# SHOP DRAWINGS - Part Assembly Menu

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#### Part Assembly Menu



Part Assembly Menu – features for creating a part assembly and different part selection options.

#### **Create Part Assembly**



**Create Part Assembly** – makes shop drawings for selected framed parts. Select any frame of the floor and click Create Part Assembly. The software will create shop drawings according to predefined configurations. You can find shop drawings in Project Browser under Assemblies.

Mandatory condition: selected part needs to have Mark value assigned:

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This value will be used as the assembly name. You can find shop drawings in **Project Browser** under **Assemblies**. An assembly combines all parts in a single entity, which is scheduled and isolated to create shop drawing views with tags and dimensions.



# Select Main Parts by Layer in Floor

Part Assembly Menu	×
Create Part Assembly	
Select Main Parts by Layer in Floor	
Select Main Parts by Layer in Level	
Select Main Parts by Layer in Project	
Select Assemblies by Layer	
Disassemble Assembly	
Update Part Assembly	

Select Main Parts by Layer in Floor – selects main parts in the framed floor.

Make sure Show Parts or Show Both is selected in View Properties  $\rightarrow$  Parts Visibility:

Properties	x
Floor Plan	•
Floor Plan: Level 1	✓ ☐ Edit Type
Graphics	* ^
View Scale	1:10
Scale Value 1:	10
Display Model	Normal
Detail Level	Fine
Parts Visibility	Show Both
Visibility/Graphics Ov	Show Parts
Graphic Display Options	Show Original
Orientation	Show Both
Wall Join Display	Clean all wall joins
Discipline	Architectural
Show Hidden Lines	By Discipline

Example: Click **Select Main Parts by Layer in Floor** and you will able to select only main parts from the framed floor:



### Select Main Parts by Layer in Level

III Part Assembly Menu	×
Create Part Assembly	
Select Main Parts by Layer in Floor	
Select Main Parts by Layer in Level	
Select Main Parts by Layer in Project	
Select Assemblies by Layer	
Disassemble Assembly	
Update Part Assembly	

Select Main Parts by Layer in Level – selects main parts in floor frames of the same type in the same level.

Make sure Show Parts or Show Both is selected in View Properties  $\rightarrow$  Parts Visibility:

Properties		×
Floor Plan		Ŧ
Floor Plan: Level 1	V 🕞 Edit Typ	e
Graphics	*	^
View Scale	1:10	
Scale Value 1:	10	
Display Model	Normal	
Detail Level	Fine	
Parts Visibility	Show Both 🗸	
Visibility/Graphics Ov	Show Parts	
Graphic Display Options	Show Original	
Orientation	Show Both	
Wall Join Display	Clean all wall joins	
Discipline	Architectural	
Show Hidden Lines	By Discipline	

*Example:* Click **Select Main Parts by Layer in Level**  $\rightarrow$  Select one main part in the framed floor  $\rightarrow$  All main parts of the same type in the same level will be selected:

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# Select Main Parts by Layer in Project

III Part Assembly Menu	×
Create Part Assembly	
Select Main Parts by Layer in Floor	
Select Main Parts by Layer in Level	
Select Main Parts by Layer in Project	
Select Assemblies by Layer	
Disassemble Assembly	
Update Part Assembly	

Select Main Parts by Layer in Project - selects main parts in floor frames of the same type in the whole project.

Make sure Show Parts or Show Both is selected in View Properties  $\rightarrow$  Parts Visibility:

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Properties						×
Floo	or Plan					•
Floor Plan: Level	1		<b>~</b> 8	Edit	t Typ	be
Graphics					\$	^
View Scale		1:10				
Scale Value 1:		10				
Display Model		Normal				
Detail Level		Fine				
Parts Visibility		Show Both			4	
Visibility/Graphi	cs Ov	Show Parts				
Graphic Display	Options	Show Origina	al			
Orientation		Show Both				
Wall Join Display	/	Clean all wal	l join	s		
Discipline		Architectural				
Show Hidden Li	nes	By Discipline				

Example: Click **Select Main Parts by Layer in Project**  $\rightarrow$  select one main part in the framed floor  $\rightarrow$  all main parts of the same type in the whole project will be selected. In the image below, the main parts of the external floors are selected from all levels:

Properties		×	1 Co	{3D}	×	📋 Site
D			Те	mporary	Hide/	solate
		Ť				
Parts (3)	~ 8∰ Ec	dit Type		$\sim$		
Constraints		* ^			_	
Base Level						
Construction		*				
Link to Connecte	$\checkmark$					
Build in Place	$\checkmark$					
Framing Configu						
Part Detail Confi						
Assembly Mass						
Element Mass						
Assembly Create						
Dimensions		*				
Volume						
Area					1	
Thickness	200.0					
Excluded						
Shape is modified						

## Select Assemblies by Layer

Part Assembly Menu	×
Create Part Assembly	
Select Main Parts by Layer in Floor	
Select Main Parts by Layer in Level	
Select Main Parts by Layer in Project	
Select Assemblies by Layer	
Disassemble Assembly	
Update Part Assembly	

**Select Assemblies by Layer** – selects all part assemblies from the same floor. You just need to select one assembly and the others will automatically be selected.

### **Disassemble Assembly**

III Part Assembly Menu	×
Create Part Assembly	
Select Main Parts by Layer in Floor	
Select Main Parts by Layer in Level	
Select Main Parts by Layer in Project	
Select Assemblies by Layer	
Disassemble Assembly	
Update Part Assembly	

**Disassemble Assembly** – removes the assembly relationship between elements in the selected assembly and all associated views.

*Recommended workflow:* Instead of **Revit**  $\rightarrow$  **Disassemble**, we recommend using **Floor+M** $\rightarrow$  **Part Assembly Menu**  $\rightarrow$  **Disassemble Assembly** as it doesn't show unnecessary pop-ups and deletes the gravity point.

**Update Part Assembly** 

III Part Assembly Menu	×
Create Part Assembly	
Select Main Parts by Layer in Floor	
Select Main Parts by Layer in Level	
Select Main Parts by Layer in Project	
Select Assemblies by Layer	
Disassemble Assembly	
Update Part Assembly	

**Update Part Assembly –** updates the selected part assembly if any changes were made to the parts or to the **Drawing Configuration**.