SHOP DRAWINGS – Drawing Configuration – Schedules

Modified on: Thu, 19 Sep, 2019 at 8:43 PM

Schedules

Frame Add/Modify Roof Elements	Delete Frame	Insert Rafters	Split Parts	Create Assembly Settings •
		Roof+M		Create Assembly
				Drawing Configuration
				Add Frames or Assemblies to Assembly
				Update Frame Assembly
				Disassemble Assembly
				Calculate Assembly Dimensions
				Calculate Framing Element Mass
				Purge Detail Views if no Assembly
				Part Assembly Menu
				Smart Dimensions
R Drawing Config				– – ×

Create View View View Name Framing Layer Template Type Schedule Template Count Field Type Image: Count	Create View View View Name Framing Layer Template Type Schedule Template Count Field Image: Create View Num View Name Assembly Part List All Layers Schedule Instance × Roof Assembly Part List By Assem Image: Create View Schedule Instance × Schedule Instance × Roof Framing Schedule Instance × By Assem Image: Create View Schedule Instance × Schedule Instance × Roof Framing Schedule Instance × By Assem	Type bly Instance 👻
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Roof+M creates schedules in the roof assembly using predefined settings.

Create View - select the schedule views you want to create in the assembly.



View Name - enter a name for the selected view.

Framing Layer – select the framing layer you want to filter in the view. It can be: main Frame, Battens, Roofing, Paneling, Sheathing, etc.

Template Type - select if the template schedule should come from the current project or from the template project.

Schedule Template – select a schedule from your current project to be a template for the assembly part list, material takeoff, and other schedules.

Regular schedule which is used as a template:

Detail Views (Detail)		<roof f<="" th=""><th>raming S</th><th>chedule></th><th></th></roof>	raming S	chedule>	
Schedules/Quantities	A	В	С	D	E
	Framing Member	FM SortMark	Count	Cut Length	Framing Member Mass
Roof Assembly Part List	P.1				
Roof Connection Schedule	Board	BD-1	1	72.25	0.0000 lbm
Roof Framing Schedule	Board	BD-2	1	77.75	0.0000 lbm
Roof Framing Structural Connections - Mark Definition Schedule	Board	BD-3	1	83.25	0.0000 lbm
Roof Framing Structural Framing - Mark Definition Schedule	Board	BD-4	3	96.00	0.0005 lbm
Roof Sheathing Schedule	Common Joist	J-1	1	162.15	0.0007 lbm

Assembly schedule which is created using Roof+:

Sheets (all)	Ĭ	R-1: Sched	ule: Frame S	chedule	- Imperial Ro	oof+ 2017 Demo				
⊕ ⊕ Families	11		<fr< td=""><td>ame Scl</td><td>nedule></td><td></td></fr<>	ame Scl	nedule>					
		A	B	С	D	E				
🖃 🔠 Assemblies		Framing Member	FM SortMark	Count	Cut Length	Framing Member Mass				
- 3D View: 3D Ortho		R-1								
— Detail View: Assembly Section A		Board	BD-4	3	96.00	0.0005 lbm				
Detail View: Frame Front		Common Joist	J-1	1	162.15	0.0007 lbm				
Detail View Frame Ten		Common Joist	J-2	2	164.55	0.0015 lbm				
Detail view: Frame Top		Edge Joist	EJ-1	1	139.35	0.0006 lbm				
Detail View: Frame&Sheathing Top		Edge Joist	EJ-2	1	164.55	0.0007 lbm				
 Schedule: Assembly Material Takeoff 		Hip_Valley Board	HVB-1	1	42.61	0.0001 lbm				
— Schedule: Assembly Part List		Trimmer	BT-1	1	69.44	3.2631 lbm				
Schedule: Frame Schedule		Trimmer	π-1	1	96.00	4.5490 lbm				
Schedule: Sheathing Schedule		Trimmer	Π-2	1	96.00	10.0077 lbm				
- Sheet: R-1 - Sheet	~	12				17.8239 lbm				

Sample schedules will be loaded with **Roof+M** \rightarrow **Settings** \rightarrow **Load Families**. You can modify it or create your own with your own columns, filters, etc.

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R Select Family Catalogs for Loading -	×
Catalog Name	Load
Main Families	
Sample Details	
Sample Roofing	
Sample Schedules	✓
Sample Tags	
Notes	
Company Catalog Name Browse	Load
Browse	
Overwrite Paramet	ters 🗌
Load Additional Types Cancel OK	[

The software automatically creates additional parameters that can be used in schedules. *Example:* **Framing Member Mass** – shows the mass (or weight) of every element.

Note: Elements need to have material assigned with a **Density** value. Materials can be assigned to the element subcategory in **Revit** \rightarrow **Manage** \rightarrow **Object Styles**.

B.O. Footing		y			
Foundation		<roof f<="" td=""><td>Framing S</td><td>Schedule></td><td></td></roof>	Framing S	Schedule>	
Level 1					-
Roof	A	В	C	U	E
Roof Framing	Framing Member	FM SortMark	Count	Cut Length	Framing Member Mass
Site Plan	R-1				
T.O. Footing	Board	BD-1	1	72.25	0.0000 lbm
Ceiling Plans	Board	BD-2	1	77.75	0.0000 lbm
Level 1	Board	BD-3	1	83.25	0.0000 lbm
3D Views	Board	BD-4	3	96.00	0.0005 lbm
Elevations (Building Elevation)	Common Joist	J-1	1	162.15	0.0007 lbm
Sections (Building Section)	Common Joist	J-2	2	164.55	0.0015 lbm
Detail Views (Detail)	Cut	Cut-1	1	91.25	0.0000 lbm
	Edge Joist	EJ-1	1	139.35	0.0006 lbm
egenas	Edge Joist	EJ-2	1	164.55	0.0007 lbm
chedules/Quantities	Hip_Valley Board	HVB-1	1	42.61	0.0001 lbm
Roof Assembly Material Takeoff	Trimmer	BT-1	1	69.44	3.2631 lbm
Roof Assembly Part List	Trimmer	π-1	1	96.00	4.5490 lbm
Roof Connection Schedule	Trimmer	π-2	1	96.00	10.0077 lbm
Roof Framing Schedule	16				17.8239 lbm

Count Field Type

Asse	mbly Views De	tail View	Schedules Sheets					
Crea	te Schedule Vie	ws —						
	×							
	Create View	View Num	View	View Name	Framing Layer	Template Type	Schedule Template	Count Field Type
	\checkmark	1 ×	Part List 🛛 🗸	Assembly Part List	All Layers 🛛 🗸	Schedule Instance \vee	Roof Assembly Part List V	By Assembly Instance 🔻
	~	1 ×	Schedule Y	Frame Schedule	Frame v	Schedule Instance \vee	Roof Framing Schedule Y	By Assembly Instance 🔻
	~	1 ×	Schedule Y	Sheathing Schedule	Sheathing ×	Schedule Instance \vee	Roof Sheathing Schedule V	By Assembly Instance
	~	1 ×	Material Takeoff 🛛 🗸	Assembly Material Takeoff	All Layers 🗸 🗸	Schedule Instance \vee	Roof Assembly Material Takeoff 💉	By Assembly Type
	~	1 ×	Schedule Y	Batten Schedule	Batten v	Schedule Instance \vee	Roof Framing Schedule V	By Assembly Instance \vee
	✓	1 ×	Schedule Y	Secondary Frame Schedule	Secondary Frame 💉	Schedule Instance V	Roof Framing Schedule v	By Assembly Instance \vee

Count Field Type – elements can be counted for one instance of the assembly (By Assembly Instance) or can be counted across multiple instances of an assembly (By Assembly Type).

Make sure that **Calculate Totals** setting is selected in your schedule template:

Project Browser - Metric+Roof+2019+Wood+Demo	🚱 {3D} 🔂 🔝		🕤 🖱 Frame Front 👘 Frame		() [®] Frame Top	Frame Schedule X		
Revit Links	<frame schedule=""/>							
⊨R-18	A	B	C	D		E	1	
R-18 B View: 3D Ortho Detail View: Assembly Section A Detail View: Frame Front Detail View: Frame Top Detail View: Frame&Sheathing Top Schedule: Assembly Material Takeoff Schedule: Frame Schedule Schedule: Frame Panel_11 Roof 300 - Frame Panel_11 Roof 300 - Frame Panel_12 JD View: 3D Ortho Detail View: Frame Front Detail View: Frame Front Detail View: Frame Schedule Schedule: Assembly Part List Schedule: Satembly Part List Schedule: Satembly Part List Schedule: Satembly Part List Schedule: Satembly Section A Detail View: Assembly Section A Detail View: Frame Front Detail View: Frame Front Detail View: Frame Top Detail View: Secondary Frame Top Schedule: Assembly Part List Schedule: Assembly Part List Schedule: Frame Schedule Schedule: Frame Schedule	A Framing Member R-18 Blocking Board Common Joist Edge Joist Trimmer Trimmer 11	В FM SortMark SBJ-1 BD-1 J-1 EJ-1 TT-1 TT-2	C Count 3 3 2 2 1 1	D Cut Length 2400.00 4148.41 4148.41 2400.00 2400.00	2.90 kg 11.80 kg 128.50 kg 65.67 kg 12.96 kg 5.75 kg 247.57 kg	E Member Mass Schedule Proper Fields Filter Fields: Framing Memb FM SoftWark Cut Length Framing Memb	perties Sorting/Grouping Formatting Appearance ver mberSortMark mber k Heading: Count Heading: Count Heading orientation: Heading orientation: Heiding orie	×
Zooms in or out using the Ctrl + mouse wheel or Ctrl +	- <i>Sa</i>		~	2:0	Main M		OK Carrel Help	5

Then it will count multiple instances of assemblies. After creating or updating the assembly, you will see all counted elements of the same assemblies.f