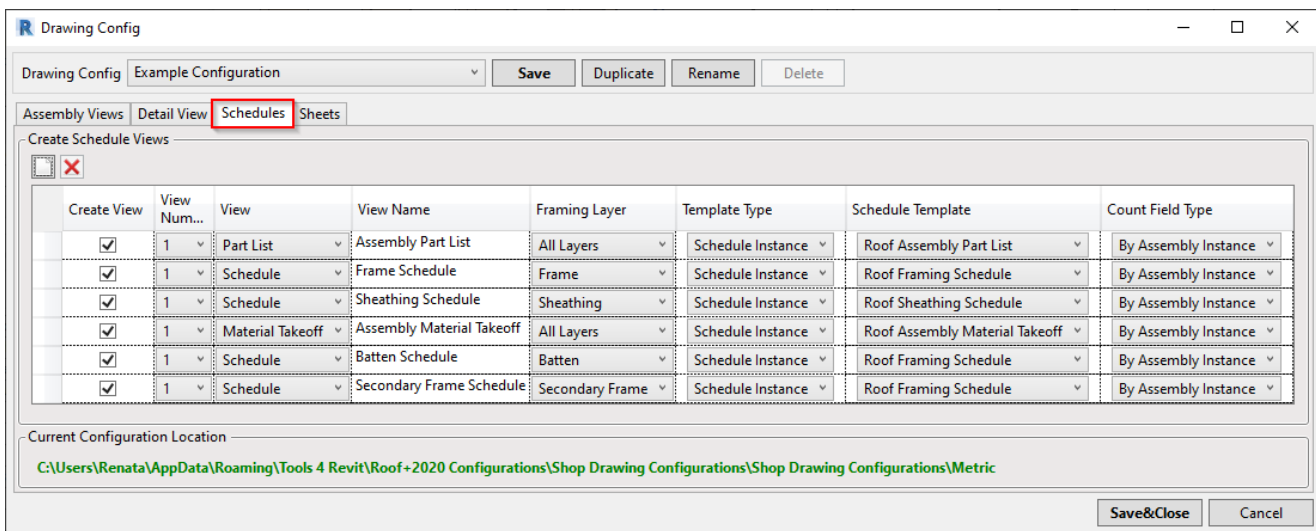
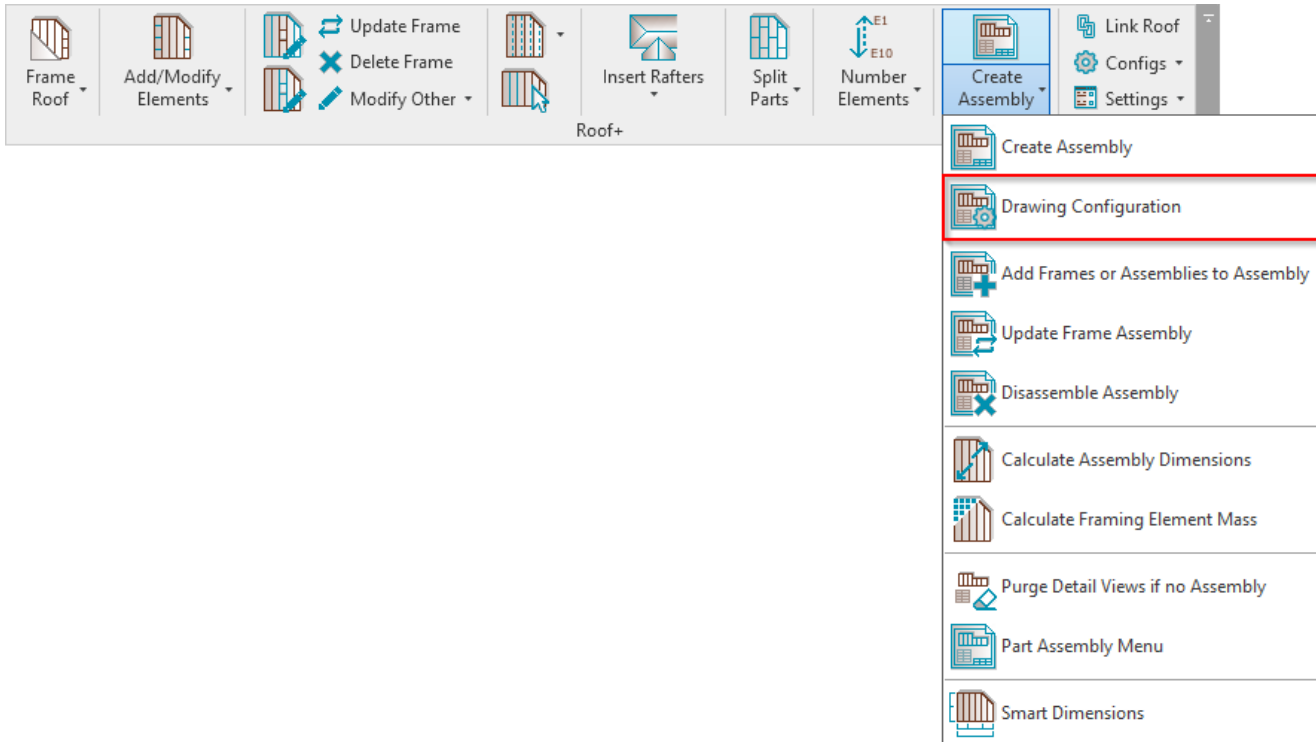


SHOP DRAWINGS – Drawing Configuration – Schedules

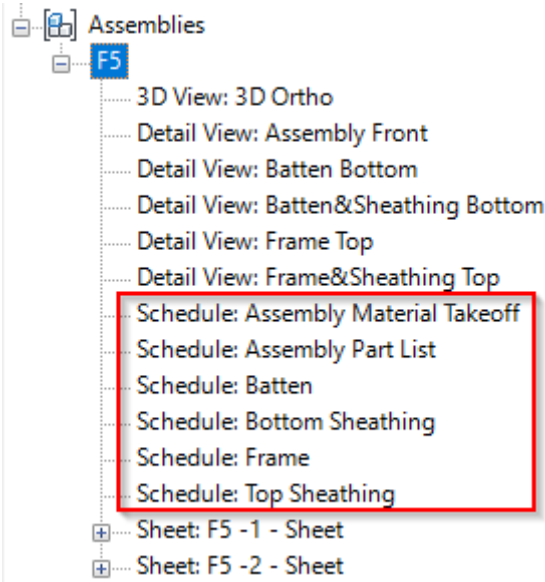
Modified on: Sat, 14 Sep, 2019 at 10:26 AM

Schedules



Roof+ creates schedules in the roof assembly using predefined settings.

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



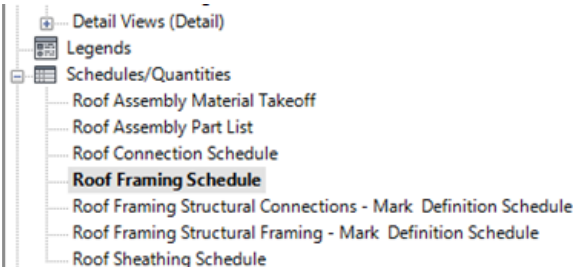
View Name – enter a name for the selected view.

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.

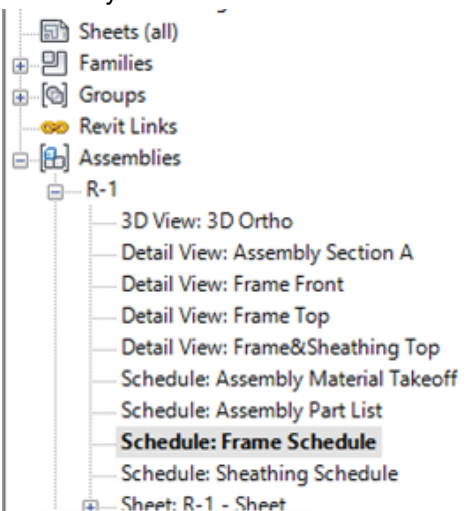
Schedule Template – select a schedule from your current project to be a template for the assembly part list, material takeoff, and other schedules.

Regular schedule which is used as a template:



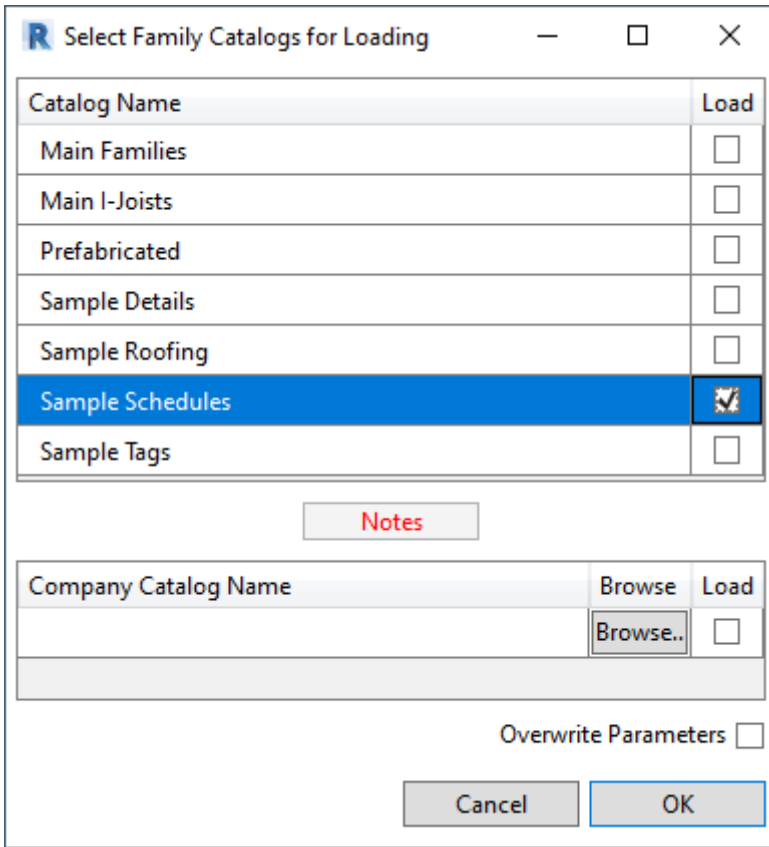
<Roof Framing Schedule>				
A	B	C	D	E
Framing Member	FM SortMark	Count	Cut Length	Framing Member Mass
R-1				
Board	BD-1	1	72.25	0.0000 lbm
Board	BD-2	1	77.75	0.0000 lbm
Board	BD-3	1	83.25	0.0000 lbm
Board	BD-4	3	96.00	0.0005 lbm
Common Joist	J-1	1	162.15	0.0007 lbm

Assembly schedule which is created using **Roof+**:



<Frame Schedule>				
A	B	C	D	E
Framing Member	FM SortMark	Count	Cut Length	Framing Member Mass
R-1				
Board	BD-4	3	96.00	0.0005 lbm
Common Joist	J-1	1	162.15	0.0007 lbm
Common Joist	J-2	2	164.55	0.0015 lbm
Edge Joist	EJ-1	1	139.35	0.0006 lbm
Edge Joist	EJ-2	1	164.55	0.0007 lbm
Hip_Valley Board	HVB-1	1	42.61	0.0001 lbm
Trimmer	BT-1	1	69.44	3.2631 lbm
Trimmer	TT-1	1	96.00	4.5490 lbm
Trimmer	TT-2	1	96.00	10.0077 lbm
12				17.8239 lbm

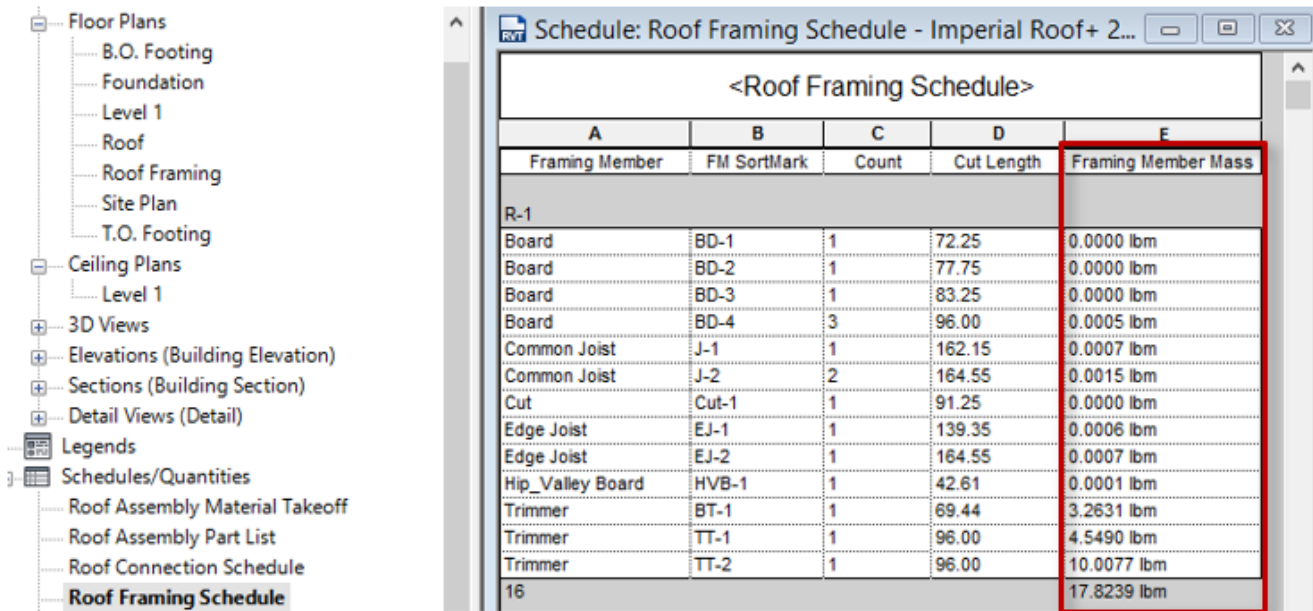
Sample schedules will be loaded with **Roof+** → **Settings** → **Load Families**. You can modify it or create your own with your own columns, filters, etc.



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 → Manage → Object Styles.



Count Field Type

Create View	View Num...	View	View Name	Framing Layer	Template Type	Schedule Template	Count Field Type
<input checked="" type="checkbox"/>	1	Part List	Assembly Part List	All Layers	Schedule Instance	Roof Assembly Part List	By Assembly Instance
<input checked="" type="checkbox"/>	1	Schedule	Frame Schedule	Frame	Schedule Instance	Roof Framing Schedule	By Assembly Instance
<input checked="" type="checkbox"/>	1	Schedule	Sheathing Schedule	Sheathing	Schedule Instance	Roof Sheathing Schedule	By Assembly Instance
<input checked="" type="checkbox"/>	1	Material Takeoff	Assembly Material Takeoff	All Layers	Schedule Instance	Roof Assembly Material Takeoff	By Assembly Type
<input checked="" type="checkbox"/>	1	Schedule	Batten Schedule	Batten	Schedule Instance	Roof Framing Schedule	By Assembly Instance
<input checked="" type="checkbox"/>	1	Schedule	Secondary Frame Schedule	Secondary Frame	Schedule Instance	Roof Framing Schedule	By Assembly Instance

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:

The screenshot shows the Revit interface with a schedule template for 'Frame Schedule'. The table below represents the data shown in the schedule:

Framing Member	FM SortMark	Count	Cut Length	Framing Member Mass
R-18				
Blocking	SBJ-1	1	2400.00	2.90 kg
Board	BD-1	3	2400.00	11.80 kg
Common Joist	J-1	3	4148.41	128.50 kg
Edge Joist	EJ-1	2	4148.41	85.67 kg
Trimmer	TT-1	1	2400.00	12.96 kg
Trimmer	TT-2	1	2400.00	5.75 kg
11				247.57 kg

The 'Schedule Properties' dialog box is open, showing the 'Count' field selected in the 'Fields' list. The 'Calculate totals' checkbox is checked, and the 'By Assembly Instance' option is selected in the dropdown menu.

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