

Advanced Filter

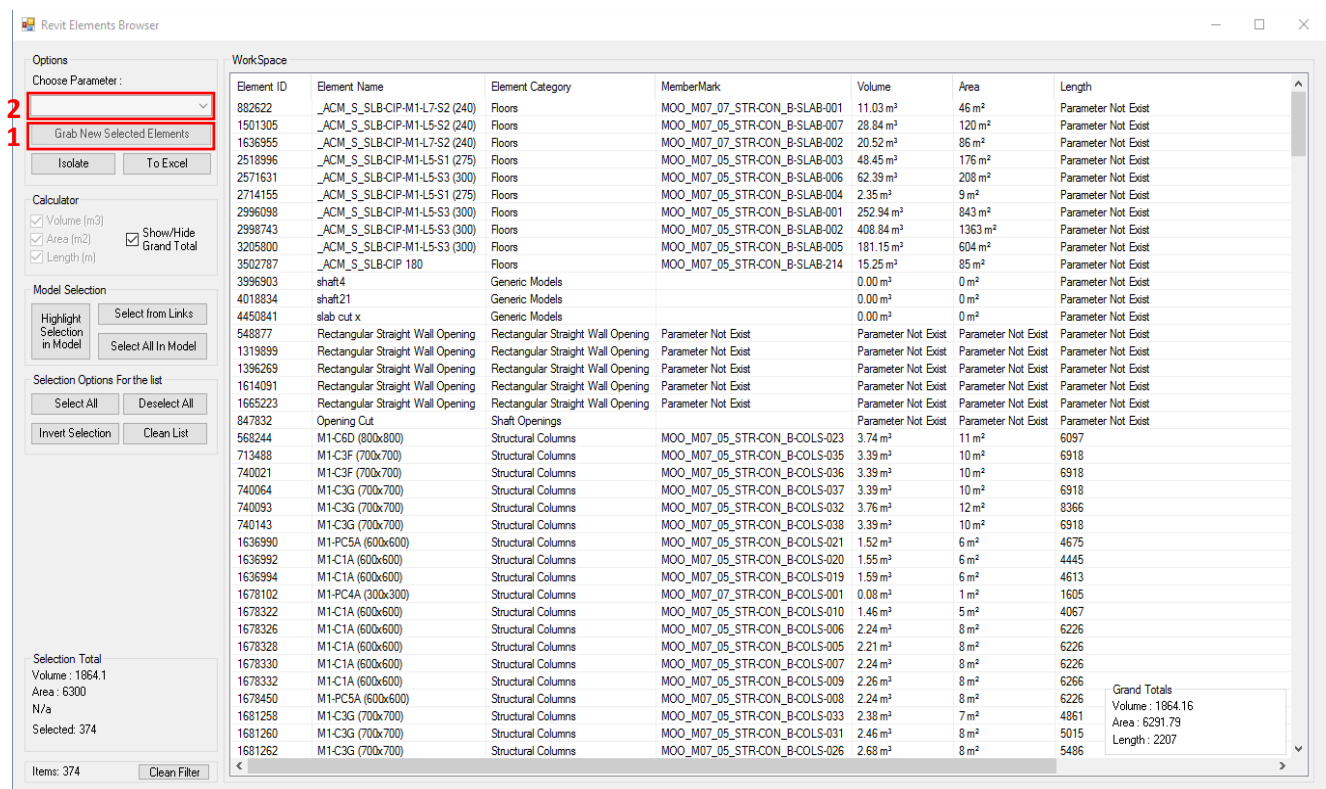
This Revit Add-in was designed as viewer for all 3D elements parameters/values, basically it can read all the values based on user selection, after that it sorts out these values in columns where each row represents the set of parameters/values for certain element. Users can filter the data based on parameters value/s. worth to mention that all data can be exported into Excel spreadsheet.



How to use the tool.

- Make sure that the **Advanced Filter Add-in** already launched and activated on Revit platform, now you can select any elements that you need inside the Revit view. Following the selection click on **Grab New Selected Elements** 1 button on the Add-In interface as shown in Figure-1. The tool will start retrieving the data from the element and view it as shown in figure 1 below.

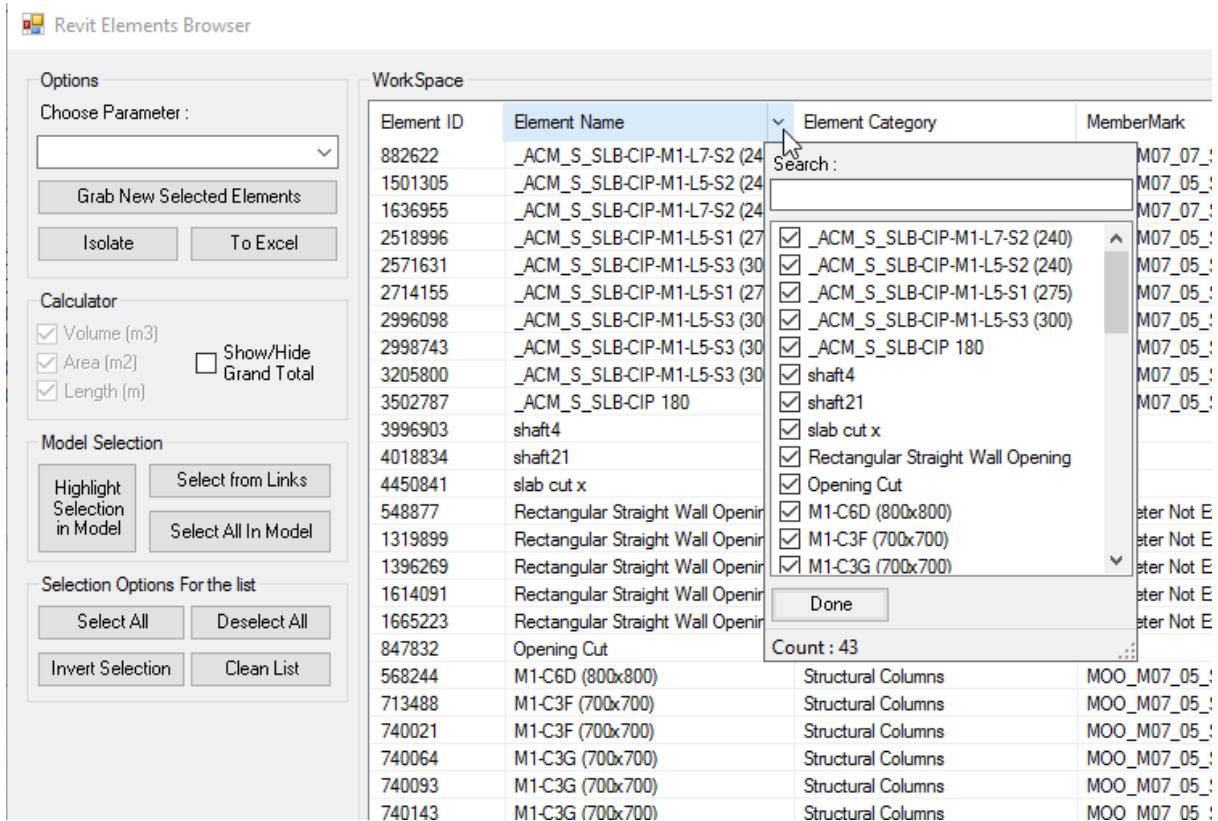
You can add the parameters you want from below **combo box 2** and the tool will add it on columns automatically.



Element ID	Element Name	Element Category	MemberMark	Volume	Area	Length
882622	_ACM_S_SLB-CIP-M1-L7-S2 (240)	Floors	MOO_M07_07_STR-CON_B-SLAB-001	11.03 m³	46 m²	Parameter Not Exist
1501305	_ACM_S_SLB-CIP-M1-L5-S2 (240)	Floors	MOO_M07_05_STR-CON_B-SLAB-007	28.84 m³	120 m²	Parameter Not Exist
1636955	_ACM_S_SLB-CIP-M1-L7-S2 (240)	Floors	MOO_M07_07_STR-CON_B-SLAB-002	20.52 m³	86 m²	Parameter Not Exist
2518996	_ACM_S_SLB-CIP-M1-L5-S1 (275)	Floors	MOO_M07_05_STR-CON_B-SLAB-003	48.45 m³	176 m²	Parameter Not Exist
2571631	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors	MOO_M07_05_STR-CON_B-SLAB-006	62.39 m³	208 m²	Parameter Not Exist
2714155	_ACM_S_SLB-CIP-M1-L5-S1 (275)	Floors	MOO_M07_05_STR-CON_B-SLAB-004	2.35 m³	9 m²	Parameter Not Exist
2996098	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors	MOO_M07_05_STR-CON_B-SLAB-001	252.94 m³	843 m²	Parameter Not Exist
2998743	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors	MOO_M07_05_STR-CON_B-SLAB-002	408.84 m³	1363 m²	Parameter Not Exist
3205800	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors	MOO_M07_05_STR-CON_B-SLAB-005	181.15 m³	604 m²	Parameter Not Exist
3502787	_ACM_S_SLB-CIP 180	Floors	MOO_M07_05_STR-CON_B-SLAB-214	15.25 m³	85 m²	Parameter Not Exist
3996903	shaft4	Generic Models		0.00 m³	0 m²	Parameter Not Exist
4018834	shaft21	Generic Models		0.00 m³	0 m²	Parameter Not Exist
4450841	slab cut x	Generic Models		0.00 m³	0 m²	Parameter Not Exist
548877	Rectangular Straight Wall Opening	Rectangular Straight Wall Opening	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist
1319899	Rectangular Straight Wall Opening	Rectangular Straight Wall Opening	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist
1396269	Rectangular Straight Wall Opening	Rectangular Straight Wall Opening	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist
1614091	Rectangular Straight Wall Opening	Rectangular Straight Wall Opening	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist
1665223	Rectangular Straight Wall Opening	Rectangular Straight Wall Opening	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist
847832	Opening Cut	Shaft Openings	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist	Parameter Not Exist
568244	M1-C6D (800x800)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-023	3.74 m³	11 m²	6097
713488	M1-C3F (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-035	3.39 m³	10 m²	6918
740021	M1-C3F (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-036	3.39 m³	10 m²	6918
740064	M1-C3G (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-037	3.39 m³	10 m²	6918
740093	M1-C3G (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-032	3.76 m³	12 m²	8366
740143	M1-C3G (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-038	3.39 m³	10 m²	6918
1636990	M1-PC5A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-021	1.52 m³	6 m²	4675
1636992	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-020	1.55 m³	6 m²	4445
1636994	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-019	1.59 m³	6 m²	4613
1678102	M1-PC4A (300x300)	Structural Columns	MOO_M07_07_STR-CON_B-COLS-001	0.08 m³	1 m²	1605
1678322	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-010	1.46 m³	5 m²	4067
1678326	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-006	2.24 m³	8 m²	6226
1678328	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-005	2.21 m³	8 m²	6226
1678330	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-007	2.24 m³	8 m²	6226
1678332	M1-C1A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-009	2.26 m³	8 m²	6266
1678450	M1-PC5A (600x600)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-008	2.24 m³	8 m²	6226
1681258	M1-C3G (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-033	2.38 m³	7 m²	4861
1681260	M1-C3G (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-031	2.46 m³	8 m²	5015
1681262	M1-C3G (700x700)	Structural Columns	MOO_M07_05_STR-CON_B-COLS-026	2.68 m³	8 m²	5486

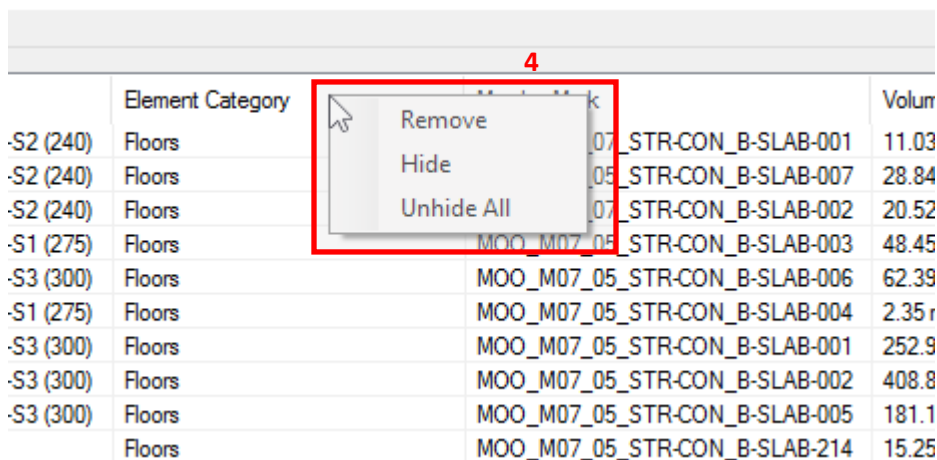
Grand Totals
 Volume : 1864.16
 Area : 6291.79
 Length : 2207

- To Start Filter By parameter, click the arrow on the column header **3**, the below list will appear. You can use it to select and deselect all items then click done. (Figure-2)



By click on the column itself, the data will sort form A-Z click again it will sort from Z-A.

- You can delete or hide selected column or unhide hidden columns, through right click on columns the below list will show **4**. (Figure-3)



- You can copy text or delete any items from the rows through right click on the items as shown in the figure below 5. (Figure-4)

Workspace

Element ID	Element Name	Element Category
882622	_ACM_S_SLB-CIP-M1-L7-S2 (240)	Floors
1501305	_ACM_S_SLB-CIP-M1-L5-S2 (240)	Floors
1636955	_ACM_S_SLB-CIP-M1-L7-S2 (240)	Floors
2518996	_ACM_S_SLB-CIP-M1-L5-S1 (275)	Floors
2571631	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors
2714155	_ACM_S_SLB-CIP-M1-L5-S1 (275)	Floors
2996098	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors
2998743	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors
3205800	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors
3502787	_ACM_S_SLB-CIP-M1-L5-S3 (300)	Floors
3996903	shaft4	Generic Models
4018834	shaft21	Generic Models
4450841	slab cut x	Generic Models
548877	Rectangular Straight Wall Opening	Rectangular Straight Wall
1319899	Rectangular Straight Wall Opening	Rectangular Straight Wall
1396269	Rectangular Straight Wall Opening	Rectangular Straight Wall
1614091	Rectangular Straight Wall Opening	Rectangular Straight Wall

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- Though double click on the item you will select it and with holding the press on control you can have multiple selection, as shown in the screen below you can have instant Materials Take-Offs and cumulative measurements for eth selected items. 6 (Figure-5)

Selection Total	1636994	M1-C1
Volume : 16.28	1678102	M1-PC
Area : 58	1678322	M1-C1
Length : 45.001	1678326	M1-C1
Selected: 9	1678328	M1-C1
	1678330	M1-C1
	1678332	M1-C1

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Finally, it is a sand box tool that you can do what you want on it just have a look for all options and decide the way you want to use it.