

OneFilter

How it works.

OneFilter a free Revit plugin to quickly find and filter Revit Families in your Revit Projects.

Filtering options:

- Filter
Find Revit families by Category, Parameter name, and Parameter value.
- Rules & Sets
Create filter chains using logical operators (AND/OR) to narrow down your selection.
- Contains
Find Revit elements such as Ducts, Walls, Windows, etc. within Areas, Masses, Rooms, Spaces, and Zones

Additional features:

- 'Contains' Tab: build a custom value (e.g., Room Name + Room Number) to insert in the desired instance parameter (e.g., location).
- Create a Section Box around the selected elements, define an offset value, and duplicate or modify the current View.

How to use it.

'Filter' Tab

- 1 – Select if you want to filter elements within the 'Whole Model', 'Active View', or 'Current Selection'.
- 2 – Select the Disciplines.
- 3 – Select the Categories.
- 4 – Select the Parameter name and the Parameter value. Then click on the 'Filter' button.
- 5 – Displays the elements found.
- 6 – Click on the "Select" button to select the marked elements in the model

The screenshot shows the DiRoots OneFilter 13.0.0 interface. The 'Filter' tab is active. The interface includes a top navigation bar with 'Filter', 'Rules & Sets', and 'Contains' tabs. Below this are radio buttons for 'Whole Model', 'Active View', and 'Current Selection'. A search bar and buttons for 'Export', 'Save Selection', and 'Isolate Selection' are also present. The main area is divided into a left sidebar for category selection and a central table of filtered elements. The sidebar shows a list of disciplines with 'Doors' selected. The table lists various door types with their counts. At the bottom, there are buttons for 'Feedback', 'Donate', 'Custom Development', 'Reset', and 'Select'.

Category	Family Name	Type Name	Count
Doors	M_Curtain Wall Dbl Glass	M_Curtain Wall Dbl Glass	6
Doors	M_Curtain Wall Sgl Glass	M_Curtain Wall Sgl Glass	12
Doors	M_Double-Flush	1730 x 2134mm	1
Doors	M_Double-Flush	1730 x 2134mm 20 Minute Rated	4
Doors	M_Double-Flush	1830 x 2134mm	2
Doors	M_Double-Glass 1	1830 x 2134mm	1
Doors	M_Single-Flush	0915 x 2134mm	63
Doors	M_Single-Flush	0915 x 2134mm 20 Minute Rated	6
Doors	M_Single-Flush Vision	0915 x 2134mm	4
Doors	M_Single-Flush-Dbl Acting	0915 x 2134mm	1
Doors	M_Single-Glass 1	0915 x 2134mm	1

'Rules & Sets' Tab

- 1 – Select if you want to filter elements within the 'Whole Model' or 'Active View'.
- 2 – Select the Disciplines.
- 3 – Select the Categories.
- 4 – Create your set of rules using logical operators (AND/OR) to narrow down your selection. Select the Parameter name and the Parameter value. Then click on the 'Filter' button.
- Note:** Logical operator between rules sets is AND.
- 5 – Displays the elements found.
- 6 – Click on the "Select" button to select the marked elements in the model

DiRoots OneFilter 1.3.0.0

Profile Please Select

Filter Rules & Sets Contains

Whole Model Active View

Export Save Selection Isolate Selection Search...

Category	Family Name	Type Name	Count	
<input checked="" type="checkbox"/>	Doors	Entrance door	Entrance door	2
<input checked="" type="checkbox"/>	Doors	Pocket_Slider_Door_5851	2.027 x 0.945	3

Total number of elements found 5 | Selected 5

Feedback Donate Custom Development Reset Select

'Contains' Tab

1 – Select if you want to filter elements within Areas, Masses, Rooms, Spaces, and Zones

2 – Select the Disciplines.

3 – Select the Categories.

4 – Select the number and name of the spatial type that you selected on step one (in the example below we are using Rooms).

5 – Click on the 'Find' button to find the elements inside the Rooms

6 – Displays the elements found inside the selected Rooms.

7 – Click on the "Set Parameter Value" to assign the default value (displayed in the green column) to an instance parameter.

Note: How to customize this value will be explained below.

DiRoots OneFilter 13.0.0

Completed 0%

Filter Rules & Sets Contains

Rooms 1

Export Save Selection Isolate Selection Search..

Select Category 2

Category	Family Name	Type Name	Create Parameter Value	Count
<input checked="" type="checkbox"/> Furniture	Bar Chair	Bar Chair	101_Kitchen & Dining	6
<input checked="" type="checkbox"/> Furniture	Table-Dining 01 (M)	1800 x 900 mm	101_Kitchen & Dining	2
<input checked="" type="checkbox"/> Furniture	Dining Chair (3)	Dining Chair (3)	101_Kitchen & Dining	8

6

Select Room 4

Number	Name
<input checked="" type="checkbox"/> 206	Master Bedroom
<input checked="" type="checkbox"/> 207	Master Bath
<input checked="" type="checkbox"/> 204	Bedroom
<input checked="" type="checkbox"/> 203	Bath
<input checked="" type="checkbox"/> 205	Bath

5 7

Find... Set Parameter Value

Total number of elements found 16 | Selected 16

Feedback Donate Custom Development Reset Select

8 – Choose how do you want to handle scenarios in which an element is in multiple Rooms.

9 – Click on a parameter to select (this is the parameter that will receive the value)

10 – Click on the ‘Apply’ button to set the value.

DiRoots. DiRoots. ? X

Filter Rules & Sets

Rooms

Select Cat

<All Disciplines>

Search..

Current wall partitions

Doors

Electrical Equipment

Entourage

Floors

Furniture

Furniture Systems

Generic Models

Hide un-checked categories

Select R

Search..

Number	
<input checked="" type="checkbox"/>	Number
<input checked="" type="checkbox"/>	206 Master
<input checked="" type="checkbox"/>	207 Master
<input checked="" type="checkbox"/>	204 Bedroom
<input checked="" type="checkbox"/>	203 Bath
<input checked="" type="checkbox"/>	205 Bath

Total number of elements found 16

Feedback Donate

Please select option for elements that are contained in multiple Areas, Mass, Rooms, Spaces or Zones:

- Set parameters values in comma separated format. (8)
- Set parameters values as the first alphabetically found container.
- Don't set parameters values.

Please select instance parameter to apply created parameter value.

Search..

Parameter	Parameter Type
Comments	Builtin
Mark	Builtin

(9)

Apply (10)

0%

ate Selection Search..

Type Name	Create Parameter Value	Count
air	101_Kitchen & Dining	6
900 mm	101_Kitchen & Dining	2
Chair (3)	101_Kitchen & Dining	8

Find... Set Parameter Value Select

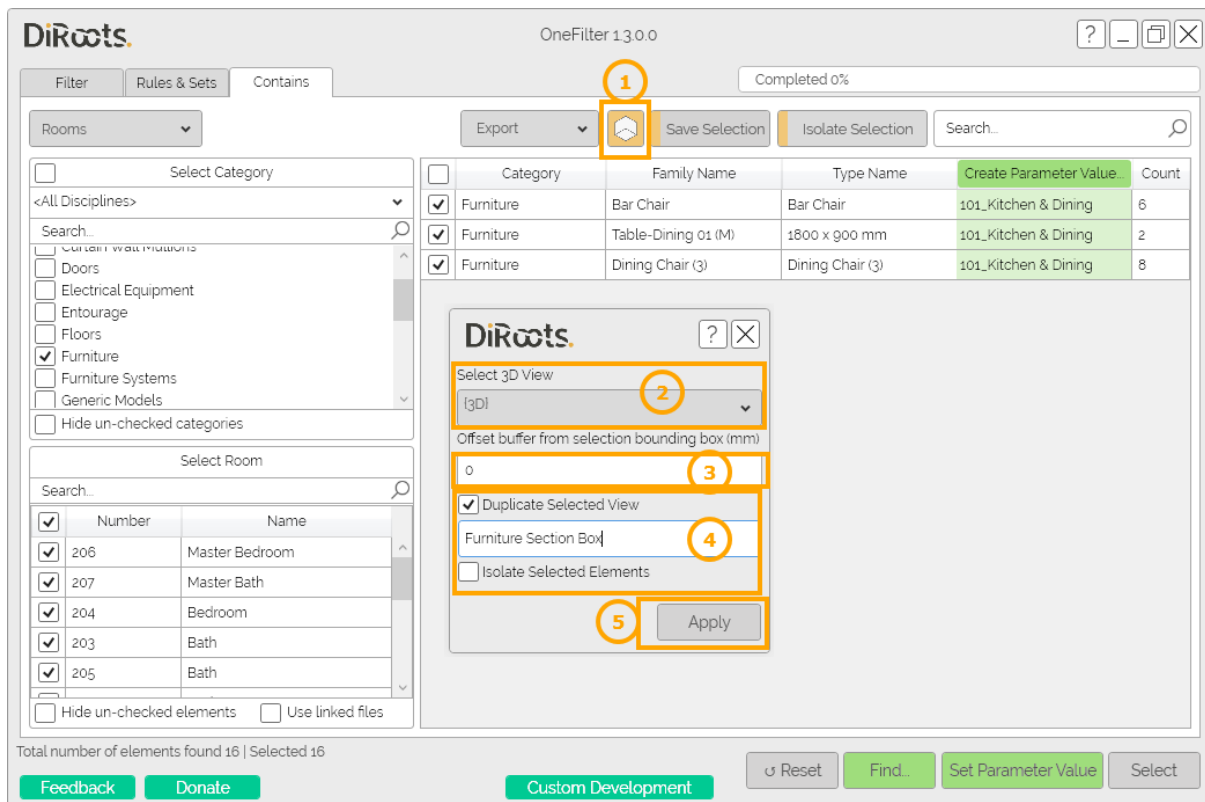
'Contains' Tab – creating a custom value to insert into an instance parameter

- 1 – Click on the 'Create Parameter Value' button.
- 2 – Select the parameters and use the arrows described on number 4 to add the parameters.
- 3 – Select the field separator.
- 4 – Arrows to add or remove parameters.
- 5 – Click on the 'Apply' button to create the custom value.

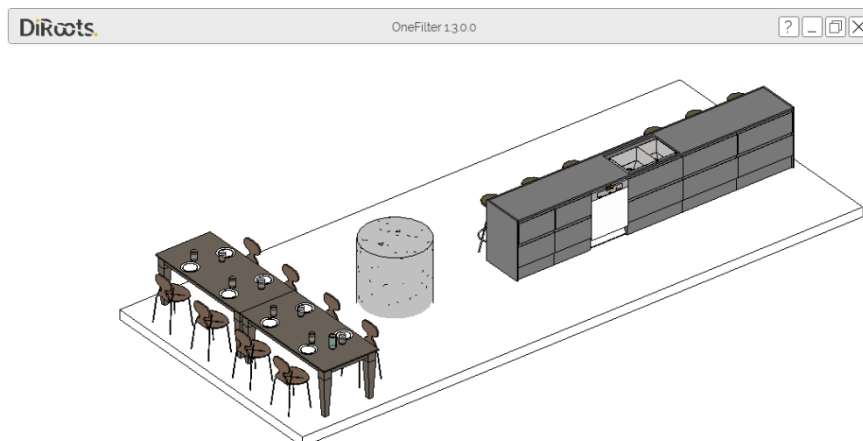
The screenshot displays the DiRoots software interface. On the left, there is a sidebar with a 'Filter' section and a 'Rooms' dropdown menu. Below this is a list of disciplines with checkboxes, including 'Furniture' which is checked. A table below the disciplines shows selected rooms with their numbers and names. The main panel is titled 'Please move parameters from left to right list to build custom parameter value.' It contains two lists: a left list of parameters (including 'Image' which is highlighted with a blue bar and a circled '2') and a right list labeled 'Number Name'. Between these lists are two arrows (a right-pointing arrow and a left-pointing arrow) with a circled '4' next to them. Below the left list is a 'Field Separator' dropdown menu with a circled '3' next to it. At the bottom of the main panel is an 'Apply' button with a circled '5' next to it. On the right side of the interface, there is a search bar with a circled '1' next to it, and a table with a header 'Create Parameter Value' and 'Count'. The table contains three rows of data: '101_Kitchen & Dining' with a count of 6, '101_Kitchen & Dining' with a count of 2, and '101_Kitchen & Dining' with a count of 8. At the bottom of the interface, there are several buttons: 'Feedback', 'Donate', 'Custom Development', 'Reset', 'Find...', 'Set Parameter Value', and 'Select'.

Create a Section Box around the selected elements, define an offset value, and duplicate or modify the current View.

- 1 – Click on the Section Box button.
- 2 – Select the View to be modified or duplicated.
- 3 – Set the offset.
- 4 – In case you want to duplicate the View, you need to name it.
- 4 – Click on the ‘Apply’ button to create the Section Box



The result:



Disruptive Roots in a Digital era of connection.