

# Add-ins(BIM Software)

- ✓ Master Purger
- ✓ Flipper

# Master Purger:

## Purger v 3.0

Choose items for analysis:

**ANALYZE**

*(Not placed on Sheets)*

Views

Schedules

Legends

**PURGE**

*(Not Used)*

Rooms

Spaces

**EXPORT**

*(Imported & Linked)*

CAD Files

**SAVE**

[Check All](#) [Uncheck All](#)

include dimension analysis

*(returns the list of dimensions that gets deleted when the CAD files are removed. Note: Slow process!)*

## Purger v 3.0

Choose items for analysis:

*(Not placed on Sheets)*

Views

- Floor Plans
- Ceiling Plans
- Sections
- 3D Views
- Elevations
- Drafting View

Schedules

Legends

*(Not Used)*

Rooms

Spaces

*(Imported & Linked)*

CAD Files

[Check All](#) [Uncheck All](#)

include dimension analysis

*(returns the list of dimensions that gets deleted when the CAD files are removed. Note: Slow process!)*

### Rooms

Total: 10 Locked: 4

### Spaces

Total: 11 Locked: 4

### CADFiles

Total: 5 Locked: 2

### Legends

Total: 2 Locked: 0

### Analysis Results : Tsss.rvt

\*All the CAD files that are either linked or imported are returned.\*

Name	View Name	WorkSet Name	Is Imported	
002_SheetWise BreakOut.dwg	All Views	Workset1	<span style="color: green;">●</span>	0
Ground Level.dwg	Level 2	View "Floor Plan: Level 2"	<span style="color: green;">●</span>	0
002_SheetWise BreakOut.dwg (2)	All Views	Workset1	<span style="color: red;">●</span>	0
architecturaLexample-imperial.dwg	All Views	Workset1	<span style="color: green;">●</span>	0
architecturaLexample-imperial.dwg (2)	All Views	Workset1	<span style="color: green;">●</span>	6

**ANALYZE**

**PURGE**

**EXPORT**

**SAVE**

## General Usage Instructions

### GENERAL NOTE:

On opening a few commands such as "EXPORT", "PURGE", "SAVE" will be disabled.  
These commands will work only after the analysis is done using the "ANALYZE" command.

### STEP 1: ANALYZE

Choose the items on which the analysis should be done.  
Click ANALYZE button to conduct analysis  
Once the analysis is complete, the results will be displayed in the results region.

### STEP 2: LOCK/UNLOCK

Two small buttons will be provided in the Results Region.  
From the results, the region selects the items that you wish to Lock or Unlock.

### STEP 3: SAVE

Once you have locked or unlocked desired items, save them by clicking the "SAVE" button.  
If not saved, the locked status will be lost and then the next time when the same file is analyzed, the items have to be locked again.

### STEP 4: EXPORT Analysis reports for decision making

If you wish to analyze the results to make a decision on whether to purge the items or not, please export the results to CSV format.  
Do analysis outside Revit and make the decision on the items that you wish to purge.  
After analysis, lock the items that you wish to keep away from purging.

Reports can be exported in CSV format.

Use the "EXPORT" button to export reports which are displayed on the screen.

Use the small export button at the bottom left corner of the tool to export Dimension Analysis Results.

### STEP 5: PURGE

Once all items are analyzed and locked, Click the "PURGE" command to purge.

# Flipper:



The screenshot shows the Flipper application interface. At the top left, there is a window title bar with the name 'Flipper' and standard window controls. Below this, the interface is divided into two main sections: 'LOAD INPUTS' and 'REPORT'. The 'LOAD INPUTS' section contains a 'Pre-Selection' button and a 'RUN RULES ON:' section with three radio buttons: 'All Families' (selected), 'Non Modified Families', and 'Modified Families'. The 'REPORT' section displays summary statistics: 'Total Families : 485', 'Total Categories : 32', 'Flippable Elements # : 19', 'Modified Elements # : 8', and 'Non-Modified Elements # : 11'. Below the report, there are navigation icons (up, down, refresh, search) and an 'Export to CSV' button. At the bottom, a table lists elements with columns for Element ID, Element Name, Category, Flip, Room Name, and Workset name.

Element ID	Element Name	Category	Flip	Room Name	Workset name
211850	Steel-Stainless-NA	Plumbing Fixtures	✘		
213811	Chrome-Polished_Chrome-CP	Plumbing Fixtures	✘		
420270	01 Cotton	Plumbing Fixtures	✘		
757198	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767797	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767856	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767857	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767870	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767871	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767916	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		
767917	Trck_BswySysyms_Cooper_RSA_Profile Se	Lighting Fixtures	✘		

## General Usage Instructions

Note: You can either pre-select the elements before running the tool or open the tool and then make the selection.

1. Open the tool. Choose between different tabs:
  - i) Flip: for flipping elements
  - ii) Rotate: for bulk rotating elements
- 2A. Click the "Load Existing" button to load pre-selected elements (elements that have been selected before opening the application).
- 2B. In case, if you have not pre-selected any elements, select items now and then click "Load New Selection"
3. Click the "Run" icon to run the application.
4. Use the "Focus" button (as glass icon) to focus on to elements that you wish to see.