

# EnneadTab For Revit

Shh... Secret Documentation  
2025-04-30

# Table of Contents

ACE	~~~~~	Page 1
Import Export	~~~~~	Page 8
Manage	~~~~~	Page 13
No Tab	~~~~~	Page 17
Resource	~~~~~	Page 18
Tools	~~~~~	Page 21
UI	~~~~~	Page 26
Browser	~~~~~	Page 28
Contents	~~~~~	Page 29
Personal	~~~~~	Page 30
Proj. 1643	~~~~~	Page 33
Proj. 1900	~~~~~	Page 37
Proj. 2001	~~~~~	Page 38
Proj. 2125	~~~~~	Page 39
Proj. 2128	~~~~~	Page 40
Proj. 2135	~~~~~	Page 41
Proj. 2151	~~~~~	Page 54
Proj. 2233	~~~~~	Page 57
Proj. 2246	~~~~~	Page 58
Proj. 2306	~~~~~	Page 59
Proj. 2314	~~~~~	Page 62
Proj. 2317	~~~~~	Page 63
Proj. 2330	~~~~~	Page 64
Proj. 2412	~~~~~	Page 65
Proj. 2419	~~~~~	Page 66

Proj. Princeton

~~~~~

Page 67

Tester

~~~~~

Page 68



## 3D Workset Views

**Tooltip:** Create 3D workset checking view in your working folder.  
Each workset will get a 3D view that only have this workset turned on.

If there are no 'Views\_\$Group' and 'Views\_\$Series' in the view parameter, such as the case in using other firm file setup, the tool will not introduce 'Views\_\$Group' and 'Views\_\$Series' to them, the new 3D workset views will be just using revit default '???' group.

[Popular]



## Batch Format Family Name

**Tooltip:** Batch rename family names to follow Healthcare standard naming convention.

Format:

CATEGORY\_MainDescription\_FIRM[\_AdditionalInfo][\_HOSTING]

Examples:

LITE\_PendantLamp\_EA\_Vitra\_CH

DOOR\_Telescopic\_EC\_TwoPanel\_WH

FURN\_Chair\_EA\_Tack

Components:

- CATEGORY: Category abbreviation or CSI Division No. (e.g., LITE, DOOR, FURN)
- MainDescription: CamelCase, no underscores or spaces (e.g., PendantLamp, Telescopic)
- FIRM: EA (EnneadArchitects) or EC (EwingCole)
- AdditionalInfo: Optional - Shape/Brand/Note
- HOSTING: Optional - WH(Wall)/CH(Ceiling)/FH(Floor)/FC(Face)



## Check Linked-View Relationship

**Tooltip:** View dependency analyzer that identifies all linked-view relationships throughout your project. This diagnostic tool generates a comprehensive report showing which views reference others, helping identify potential circular dependencies or visualization issues. Perfect for troubleshooting views that unexpectedly display or hide content, or when preparing to delete views that might be referenced elsewhere.



## Check Phase Mapping

**Tooltip:** Get the phase mapping of multiple documents.

[Popular]



## Collect Textures

**Tooltip:** Choose a new destination for texture images. Then Collect Textures copies all material texture images to this new location, and updates texture image path.



[Popular]

## ColorScheme To Excel

**Tooltip:** Use me to export selected Color Scheme To Excel. You have the option to exclude unused color.



## ColorScheme To FilledRegion Types

**Tooltip:** Doc string not set



[Popular]

## Create Sheets By Excel

**Tooltip:** Create new sheets based on data from Excel.

If you need help on what kind of Excel to prepare, you can open a sample excel and begin from there.



[Popular]

## Create Worksets

**Tooltip:** Create Worksets following the standard Ennead Workset Structure.

You can the options to create any or all from below:



## Door Calc Pt Visualizer

**Tooltip:** Visualize door calculation points by drawing detail lines from To/From points to door insertion points. Blue lines for ToRoom, red lines for FromRoom. Works on selected views.



## Duplicate Area Scheme

**Tooltip:** Duplicates a Revit area scheme to a new area scheme with all boundaries and areas.

This tool allows you to:

1. Select an existing area scheme to duplicate
2. Provide a new unique name for the duplicated scheme
3. Choose which views to include in the duplication process
4. Automatically transfer all boundaries and areas to the new scheme



[Popular]

## Export Filled Region Types

**Tooltip:** Export the filled region color setting to excel so you can use it elsewhere.



## Family RePath

**Tooltip:** Find family file path. And remap the path to a folder you picked. In this folder, families will be organised based on their category.

This will also load the repathed families back to central model.

You have the option to sync and close after the long-boring reloading.

You also have the option to dig inside the nesting family and save them.

[Popular]



## Family Tree

**Tooltip:** Family hierarchy visualization tool that reveals the complete nesting structure of complex Revit families. This utility generates a clear, hierarchical display of all nested components within the current family, showing parent-child relationships and dependency chains. Perfect for understanding complex families, troubleshooting parameter inheritance, or documenting family architecture.



## Inspect Excel Formula

**Tooltip:** Excel formula validation tool that reveals hidden calculation relationships. This quality control utility inspects spreadsheets for embedded formulas, highlighting cells with dependencies to help verify calculation accuracy. Perfect for validating critical data before importing into Revit or when reviewing calculations from external sources to prevent errors in your documentation.

[Popular]



## Inspect Local Graphic Override

**Tooltip:** For views on selected sheets, inspect if there are local graphic override or local hidden objects that is not controlled by template.

[Popular]



## Keynote Assistant

**Tooltip:** Comprehensive keynote management system that extends Revit's standard functionality. This powerful utility provides an intuitive interface for creating, editing, and organizing keynotes with additional features for categorization, search, batch operations, and translation capabilities. Perfect for maintaining consistent documentation standards and streamlining the keynoting workflow across complex projects.

[Popular]



## Legend&Schedule; Where?

**Tooltip:** Which Legend and Schedule were used? Where are they?  
If you have been wondering about those question, this tool can help you with it.

It list all the current locations for the schedules and legend, with a clickable link!

[Popular]



## Lines-In-View Locator

**Tooltip:** Line usage analysis tool that helps identify views with excessive detail and model lines. This diagnostic utility generates a ranked report of views containing the most line elements, helping pinpoint potential performance bottlenecks or documentation management issues. Perfect for troubleshooting slow performance or when establishing documentation standards for line usage.



## Links2Worksets

**Tooltip:** Convert each revit link into its own workset.



## List Families

**Tooltip:** Lists selected families in organized views.

This script allows listing of both 2D detail items and 3D families in dedicated views. Detail items are placed in a drafting view while 3D families can be placed in either a 3D view or floor plan view. Families are organized by category with labels and optional tags.

Key Features:

- Supports both 2D detail items and 3D families
- Organizes families by category with clear labeling
- Creates dedicated views for family display
- Optional tagging support
- Handles hosted families with appropriate host elements
- Creates category-specific filtered views

Note:

3D families will be visible in all project views. The script creates an internal level far from the main project levels to minimize interference.



## Merge Object Style

**Tooltip:** Consider using Ideate instead



## Monitor Link Status

**Tooltip:** Monitor and compare grid and level elements between current document and linked documents.

This tool helps track differences in grids and levels between the host document and its linked models. It identifies elements that exist in one document but not in others, and checks monitoring status.



## Open Sample Excel

**Tooltip:** Get a sample excel to fill out data in similar format.

Using those format will make it easy to generate dummy sheets in Revit.

Please note that Chinese translation will require special care when saving excel format.





## Project Initiating

**Tooltip:** A simple window that give you quick access to all kinds of function needed when a new project is starting.

- +Default Workset Creation
- +New Sheet Created From Excel
- +Quick project info filling



## Property Line From Excel

**Tooltip:** Generate detail line from the Excel survey pt data. Best used for property line geneation.



## QAQC Reporter

**Tooltip:** AI-powered quality control assistant that transforms complex model data into actionable insights. This innovative tool generates comprehensive QAQC reports for your current document and features a natural language interface powered by OpenAI, allowing you to interrogate the results through simple conversation. Perfect for project milestones, coordination reviews, or when preparing deliverables that require rigorous quality verification.

[Popular]



## Relationship Diagram

**Tooltip:** Interactive canvas to draw relationship diagram.



## Rename Nesting Family

**Tooltip:** Scans through project families and their nested components to remove '\*ConflictingName' string.

PROCESS:

- Iterates through all families in current project
- Opens each family document
- Checks nested families for '\*ConflictingName' string
- Renames affected nested families by removing the conflicting string
- Loads modified families back to project
- Logs all changes made during the process

You can also requist to locate and rename based on other rules.

[Popular]



## Repath Dwg Drive Letter

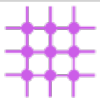
**Tooltip:** Pick the old and new drive letters to repath all linked DWGs.



## Smart Egress Path

**Tooltip:** Intelligent egress path creation tool that automates code-compliant exit routing. This utility helps you create and maintain accurate egress paths with smart dynamic updating capabilities, ensuring proper path widths and distances to exits are maintained as the design evolves. Perfect for life safety documentation and code compliance verification.

[Popular]



## Smart Match Grid Extend

**Tooltip:** Get all floor plans and area plans for each view, find all grids. Then for each end of the grid decide if it should show bubble or not based on the status of same bubble from same level in REF dict.

[Popular]



## Transfer Parameter Data

**Tooltip:** Transfer some data from one parameter to another.

When you inherited from older file some parameter is carried over and now you have duplicated parameter container. Use this to cleanup the parameter panel

[Popular]



## Update DOB Page Number

**Tooltip:** For DOB submission in NYC there requires a page number on the titleblock.



## View Reference Tree

**Tooltip:** Generate sheet and view relationship data for visualization. Data is saved to DUMP folder for later use with visualization tools.



## Wall Type Diagram

**Tooltip:** Generate walltype legend view as well as view filter. The color is picked based on related filled region type, if not available then pick new color for you.

[Popular]



## Block2Family

**Tooltip:** Converts Rhino blocks to Revit families.

This script processes block data exported from Rhino to create or update corresponding families in Revit.

Key features:

- Creates new families from Rhino block geometry
- Updates existing family instances
- Handles transformations (move/rotate) by removing old instances and creating new ones
- Preserves block parameters as family parameters
- Supports both UV projection (flat-modeled) and standing geometry
- Maintains Rhino block IDs for tracking

Input: .internal data files containing block data from Rhino

Output: Revit family instances with matching geometry and parameters

[Popular]



## Brep2Mass

**Tooltip:** Based on the brep data exported from EnneadTab for Rhino, create adaptive mass shape as native Revit object.



## Content Transfer

**Tooltip:** A simple window that enables the transfer of view templates, object styles (SubCategory), and materials. The primary distinction between this tool and the default 'Transfer Project Standard' is its selective transfer capabilities.

[Popular]



## DWG Export Update Layer

**Tooltip:** Randomize the layer color, and rename the layer to to format below:  
Category\_SubCategory

This tool does not change other existing setting for this export setting.  
It makes life in Rhino easier after exporting contents over.

[Popular]



## Ennead Exporter

**Tooltip:** A great helper for your print on deadline. Features include:

- pdf, dwg, jpg export together
- Package export files to subfolders in destination folder by assigned prefix and file type
- Prefix for auto numbering
- Email result as a link to folder.
- Time estimation, with increasing accuracy the more you export
- Identify color setting per parameter on sheet. So you can mix color and BW export together.
- Option to sync and close files after exporting done.
- Export sheets by revision mark instead of printSet, and allow selective export without disrupting shared printSet.
- Export views on sheet separately for dwg.
- Export from links or open docs.
- Merge pdf after export.
- JOKE while exporting.



## Export SubCategory Material Table

**Tooltip:** Export the OST and material table so it can be used in Rhino import when using 'map Revit SubC'.

With this tool, the layer in Rhino can be assigned with similar Revit material based on layer names.

If you have not done already, you can update dwg export layer mapping with EnneadTab first so each SubCategory in object style table become something rhino layer can match.



## Import Rhino Camera

**Tooltip:** Work with Camera exported in Rhino side to recreate the same perspective camera.

It can be useful for Enscape view recreation in Revit.



## Import Rhino Material

**Tooltip:** Import material definitions from Rhino into Revit. Creates new materials or updates existing ones based on Rhino material properties.



## Isolated Export By System Family Type

**Tooltip:** Pick category and type for the dwg export. It will isolate elements by types in the view and give individual .dwg file.

The child elements such as shared family will be isolated as well.

Use EnneadTab for Rhino to get things under type parent layers.

Currently handle Wall/Floor/Roof/Column/Stair

This tool primarily deal with the system family category that normally will be difficult to seperate in dwg export.

[Popular]



## Map Rhino Block to Revit Family

**Tooltip:** Transform the Rhino block orientation to Adaptive Revit Family. It will be searching for same name as block name.

The biggest benift is You will no longer be restricted by level based vertical up family. It can be freeform as in Rhino.



## Move2Origin

**Tooltip:** Move this family to the internal origin under current orientation.

There are 3 modes for the operation:

- 1: Family is placed on 3d view, but location is wrong.>>>You select it and move it.
- 2: Family is placed on 3d view somewhere but you don't know where.>>>You select it from listbox and move it.
- 3: The family is just loaded in, it is new, and has not been placed anywhere.>>> You select it from list and move it.

[Popular]



## Review On Miro

**Tooltip:** Intelligent Miro integration for continuous design review workflows. This powerful utility exports sheets directly to Miro with automatic version tracking - new sheets get blue crosses, updated sheets get orange stars. Allows for persistent markup across document revisions, eliminating the need to recreate comments on each iteration. Perfect for maintaining feedback history when traditional PDF markup would be lost with new backgrounds.



## Revit2Rhino

### Tooltip:

Script for exporting Revit Family Instances to Rhino.

It converts each FamilyInstance's geometry into a **single Rhino block** containing all its Breps (or fallback Meshes). The block definition is annotated with 'RevitElementID'.

This only process current view.

TO-DO: accept layer making



## Rhino Drafter

**Tooltip:** A drafter that allow you to take advantage of Rhino fast editing power. You can operate however you want for crvs and surfaces in Rhino, and transfer those content to Revit detail lines and filled regions with matching linestyle and filled region type.

Some Rhino command to consider:

- +Trim
- +Split
- +Fillet
- +CurveBoolean
- +EditControlPoints
- +Surface trim/split.

It also support nurbs crv or srf with nurbs edge, and it support AreaBoundaryLine and RoomSeperationLine drafting.

[Popular]



## Rhino2Revit

**Tooltip:** Convert .3dm and .dwg files into native Revit family elements.

Key Features:

- Assign subcategories per file
- Add new subcategories on the fly
- Use source filename as subcategory
- Support major curve conversion (except NURBS curves with control points on different CPlanes)

Best used with EnneadTab for Rhino's Rhino2Revit exporter window.

Format Support:

.3dm Files:

- Stable conversion to native Revit elements
- Individual control of Boolean, Subcategory, Visibility, Dimensions
- Requires clean source models

.dwg Files:

- More tolerant of model imperfections
- Handles lines, arcs, circles and planar NURBS curves
- Elements from same source file are grouped
- Creates Import subcategories (auto-cleaned)

[Popular]



## RoomOrArea2Diagram

**Tooltip:** Export Revit Rooms/Areas to Rhino as color-coded diagrams.

This tool creates a simplified diagram representation of Rooms or Areas in Rhino:

- Exports boundaries with filleted corners
- Maintains color coding from Revit color schemes
- Adds text labels for space identifiers
- Creates solid hatches for each space



## Schedule2Excel

**Tooltip:** Export and open schedule in excel.

[Popular]



## Srf2Adp

**Tooltip:** Convert surface in Rhino into Revit Adaptive. The sequence of the adaptive corner needs to be defined in previous step at Rhino.



## Change Family Unit

**Tooltip:** Convert between a typical imperial family and metric family by setting up unit.



## CurtainWall Location Manager

**Tooltip:** Manager your curtain wall locations by converting walls in current plan to abstract line.

You can then modify/confirm the location of CW wall in that diagram and update the actual CW wall with this tool.

Left Click: Process current view

Right Click: Process selected views

You also have the option to include EOS lines in the diagrams, as long as the floor type name contain "struc".

You can use working-view-manager to export those Abstract wall diagram views to jpgs and can review those quicker.



## DWG Manager

**Tooltip:** A simple window that help you manage DWG in the files.

You can find, select, zoom any dwgs with detailed info on creator, view association, hidden status, workset, file path and file size.

For linked dwgs, you might also open file directly, open folder directly, and repath links to a selected folder.

[Popular]



## Family Parameter Batch Creation

**Tooltip:** Help you get started with many families by adding many useful parameter quickly.

[Popular]





## Fire Rating Graphic

**Tooltip:** Fire Rating Graphic Manager

A comprehensive fire rating management system that streamlines code compliance documentation.

This powerful utility helps you:

- Assign and track fire ratings across wall types
- Generate intelligent graphics that update automatically across multiple views
- Maintain consistent fire separation documentation
- Ensure building code requirements are clearly communicated

Key Features:

- Intuitive UI for managing wall type fire ratings
- Batch updates across selected views
- Support for linked models
- Smart graphic family (Smart\_Fire\_Rating) with customizable appearance
- Real-time wall instance counting and preview

Perfect for maintaining consistent fire separation documentation and ensuring building code requirements are clearly communicated in your drawings.

[Popular]



## Identify Wrong Type Of KeynoteTAG

**Tooltip:** You should avoid using user keynotes, but if someone already did in the project, you can find them here.

Also, element keynote and material keynote should be used by it respective types.

If there is mismatch, this tool will attempt to find them. The rule is as such, if there is 'material' mentioned in the type name or family name, and the tag is pointing to a element key data, it will warn you.

The same goes for the element keynote types.

User keynote, since no one should really use it, will be highlighted as blue.

[Popular]



## Isolate Warnings

**Tooltip:** In the standalone window, you can zoom in with section box to a region that has a warning.

As you are fixing it, you will see the warning count going down. When you sync back after all the fix, the EA coins will be rewarded..

[Popular]



## KeynoteTAG Reset Color

**Tooltip:** Reset all keynote tag local override color to default. It might get its color from the other checking type button.



[Popular]

## Load Family From Link

**Tooltip:** Load family from linked revit file without open those links.



[Popular]

## Load Multiple Families To Multiple Docs

**Tooltip:** Pick many families, and load them to many projects. You can:

- 1 family >> x projects
- x families >> 1 projects
- x families >> x projects
- 1 family >> 1 project

Have bonus option to sync and close after done. And have option to pre-pick shared family loading behaviour. Handy for loading big family at end of day.



[Popular]

## Manage Working Views

**Tooltip:** Powerful working view management system that helps maintain a clean project environment. This interactive interface allows you to quickly identify, review, and organize unsheeted views with intelligent filtering by creator, view type, and more. Features include thumbnail previews for rapid visual assessment, batch view name prefixing to identify creators, and direct view deletion capabilities - all without leaving the interface. Perfect for project cleanup before submissions or when transitioning between project phases.



[Popular]

## Merge Family

**Tooltip:** Merge a few family types to a target family type:

For instance parameters, the tool tries to record as much information as it can, so after the merging, similar data can be applied back to maintain the graphical consistency.

There is a built-in check that will search for differences in type parameter data. Should differences be found, you will be prompted to decide to continue with merge or cancel.

If you find no ideal target type, you may also choose to create a new type under good family with the bad type data and type name.

This tool will work for most 2D and 3D families, as well as Tags.



## Proj. Parameter Batch Adding

**Tooltip:** Batch adding shared parameters to multiple project files. This can reduce mistake during manual operation of repeating task.

If this shared parameter has been added before, it will not add again. Note that for Revit, the spelling is not important, the GUID is important.



## Remove Not Placed Area and Rooms

**Tooltip:** This tool allows you to manage room and area accuracy by identifying and removing elements that are not properly placed in the project.

Features:

- Remove unplaced rooms and areas
- Identify unbounded/redundant elements for review
- Phase-specific room inspection
- Find elements with negative areas or missing department assignments

[Popular]



## Shake All Tags

**Tooltip:** Sometimes the tag will not update after updating the component info. This can be resolved by shifting the tags up and down to force them to update.

This tool moved all tags on the selected sheets back-and-forth by a tiny amount to force Revit to regenerate the tag and update the display. This makes sure the tags are all reading something.



## Track Detail Group

**Tooltip:** Detail group detective that helps you track down where groups are used throughout your project. This bidirectional search tool allows you to find all instances of a specific detail group across views, or identify all detail groups used within selected views. Perfect for understanding dependencies before making changes to detail groups or when cleaning up unused content.

[Popular]



## WorkSet Manager

**Tooltip:** Advanced workset organization tool that brings order to collaborative projects. This floating interface provides multiple ways to reassign elements to appropriate worksets - by category, by host element, or by type. Even handles elements inside design options (as long as they're not in groups). Perfect for cleaning up workset assignments after imports or when standardizing project collaboration structure.

[Popular]



## 01\_Family Path BIM360

Tooltip: Order by GD



## Check Design Option(Depreciated)

Tooltip: See what is inside your design option by colorize them.



## Rename Level

Tooltip: Remove '\_' in level names, and replace 'C' to 'E'



## Show Category Temporarily

Tooltip: for selected sheets, and selected categories, turn on the categories temporarily.



## rename Grids

Tooltip: Replace \_ with - in grid names



## rename scopebox

Tooltip: Rename scopebox by removing all '\_' in scopebox name



## test\_get\_rvt\_link\_data\_in\_template

Tooltip: Sen Zhang has not writed documentation for this tool, but he should!



## App Store

**Tooltip:** Sen Zhang has not wried documentation for this tool, but he should!



## Assistant

**Tooltip:** Your all-in-one resource center for EnneadTab and Revit mastery!

This comprehensive assistant provides quick access to:

- Learning resources and tutorials for Revit, Rhino, and CAD
- YouTube training playlists and Friday session recordings
- Family formula cheat sheets and reference guides
- Bug reporting and feedback submission tools
- Important Ennead and Autodesk websites
- Cache folder management to optimize C: drive space
- BIM360 GUID decoder to make sense of cryptic folder names
- Timesheet helper to track your daily activities
- Installation guides for other EnneadTab products

Perfect for both beginners and power users who want to maximize their productivity!



## Beer Tab

**Tooltip:** Designer's break companion that helps you maintain proper work-life balance. This essential utility provides quick access to local refreshment options when you need a mental reset. Perfect for those moments when architectural inspiration requires a change of scenery and a cold beverage.



## ChatGPT

**Tooltip:** Integrated AI assistant that brings ChatGPT directly into your Revit environment. This powerful tool provides instant answers to Revit-related questions, code compliance inquiries, design challenges, or general information needs without leaving your modeling interface. Perfect for quickly solving problems or exploring design alternatives without disrupting your workflow.



## Display Revit Warning History

**Tooltip:** Warning tracking system that reveals error trends across your project history. This powerful diagnostic tool displays comprehensive warning logs that have been automatically recorded by EnneadTab, allowing you to analyze warning patterns over time. Left-click to analyze the current document, or Shift-click to compare multiple projects.



## Documentation Hint

**Tooltip:** Quickly print all the [Did you know] documentations.



## EnneadTab Setting

**Tooltip:** Personalization control center for your EnneadTab experience. This comprehensive settings manager allows you to customize tab visibility, color schemes, notification preferences, and duck behavior. Includes options to toggle between Lite and Pro versions, manage extension visibility, and fine-tune your workflow preferences to match your project needs.



## MiniBank

**Tooltip:** Virtual achievement system that tracks your productivity and EnneadTab usage. This simple window displays your current MiniBank balance and leaderboard ranking, celebrating your contributions to the firm's digital ecosystem. Earn coins through regular tool usage, submitting bug reports, and helping colleagues. Perfect for encouraging healthy competition while building a culture of technology adoption.



## Open Ecosystem Folder

**Tooltip:** Jump to the ecosystem folder where you can inspect all the magic.



## Reload EnneadTab

**Tooltip:** Reload entire UI so can get newer buttons.....



## Soft Reload

**Tooltip:** Just download the new repo and unzip. This will not reload the Reevit for UI change.



## Tell Me Version

**Tooltip:** Version information utility that displays the current build details for all EnneadTab components. This diagnostic tool provides complete version numbers, build dates, and update status for your installation - essential for troubleshooting, submitting bug reports, or verifying you have the latest features. Perfect for confirming compatibility when working with team members or when communicating with EnneadTab support.



## Unit Test

**Tooltip:** Diagnostic validation tool that verifies core EnneadTab modules are functioning correctly. This utility runs a comprehensive series of tests on critical system components to ensure proper operation across the entire extension ecosystem. Perfect for troubleshooting after updates, when experiencing unexpected behavior, or when developing new functionality that depends on core services.



## AI Translate

**Tooltip:** Intelligent translation assistant for your Revit project. Seamlessly translate sheet names, view names, and project text elements between languages. The AI-powered engine handles context-appropriate translations with approval workflow to ensure accuracy before implementation.

[Popular]



## Align H. Curtain Grid To Detail Lines/Levels(Elevation)

**Tooltip:** Horizontal curtain grid alignment wizard that saves hours of manual adjustments. This tool automatically snaps horizontal curtain grids to the nearest intersecting detail lines or level datums in elevation views. Perfect for aligning mullions with floor levels or coordinating with other building elements for a cleaner, more integrated facade design.



## Align V. Curtain Grid To Detail Lines/Grids(Plan)

**Tooltip:** Precision curtain grid alignment tool that automatically snaps vertical curtain grids to intersecting detail lines and datum grids. Perfect for quickly coordinating facade layouts with architectural planning grids without tedious manual adjustments. Run this command in a plan view for best results.



## Apply Panel Radius

**Tooltip:** Advanced curtain panel radius management tool that automatically applies host wall curvature to panel elements. Intelligently identifies curved curtain walls and transfers radius values to panel parameters, ensuring consistent curvature throughout the facade system. Customizable parameter mapping allows for flexible implementation across different panel families.

[Popular]





## Batch Cut Elements

**Tooltip:** Powerful batch cutting utility for curtain wall systems.

This tool enables efficient creation of void cuts across multiple curtain panels.

Features:

- Batch process curtain walls or individual panels
- Support for multiple selection methods
- Intelligent void detection and validation
- Transaction-safe operations with error handling

Usage:

1. Select curtain walls or panels
2. Choose void geometry
3. Apply cuts across all selected elements

[Popular]



## Color-Code Design Option

**Tooltip:** Visual design option manager that transforms how you work with alternatives. Automatically color-codes elements belonging to different design options across selected views, making it instantly clear which elements belong to which option. Perfect for presentations, design reviews, and maintaining clarity when working with complex option sets.

[Popular]



## Detail Line By Excel

**Tooltip:** Precision detail line generator that imports survey point data directly from Excel spreadsheets. Automatically converts coordinate data into properly positioned Revit detail lines, creating grouped elements for easy manipulation. Ideal for property line creation, site boundaries, and other survey-based linework that requires exact positioning.



## Dim Text Helper

**Tooltip:** Floating dimension annotation assistant that enhances documentation productivity. Quickly add industry-standard dimension text (FOG, EOS, FTF, etc.) to selected dimensions with precise control over text positioning. Create custom annotations on-the-fly and save frequently used dimension texts for future use. Streamlines the tedious task of dimension annotation across your project.

[Popular]



## HealthCare Helper

**Tooltip:** Your ultimate healthcare project companion! Provides a comprehensive suite of tools for managing healthcare projects in Revit - from design guidelines and project setup to DGSF chart management and color palette customization. Access all healthcare-related functionality from this centralized command center.

[Popular]



## Join All Column/Floor

**Tooltip:** Automates the tedious task of joining columns and floors throughout your model. This time-saving utility identifies all column and floor elements and applies join geometry operations between them, providing a detailed completion report of successful and failed joins.



## Make Template From Current View

**Tooltip:** The big different from the Revit version is that you can use this to fix the wrong view type template that was resulted from duplicating wrong view teyp and cause revit default type group to display wrongly.



## Open Doc(s) Siliently

**Tooltip:** Batch opener for Revit files with enhanced reliability. Opens multiple documents while automatically handling warnings that would normally interrupt the process. Includes support for audit mode and detached/no-workset opening options. A comprehensive summary report is provided upon completion.



## Orient Scopebox

**Tooltip:** Intelligent scopebox alignment tool that precisely orients view boundaries to match model geometry. Using reference model lines as guides, this utility automatically calculates and applies the optimal rotation angle to selected scopeboxes. The smart algorithm typically finds the correct orientation within three iterations, even with complex angles or unusual initial positions.



## Reset Join/Cut

**Tooltip:** Troubleshooting utility for element join and cut relationships. Analyzes selected elements and removes all cutting and joining relationships, providing a detailed report of each operation. Perfect for resolving geometry conflicts or starting fresh with clean element connections.



## See You Again

**Tooltip:** Smart session scheduler that prepares your Revit environment for your next work session.

This time-saving utility allows you to:

- Schedule your current Revit files to reopen automatically
- Choose when they reopen: in minutes, tomorrow morning, or next Monday
- Skip the lengthy file loading process when you return to work
- Maintain your exact workspace configuration between sessions

Perfect for teams working with large projects that take significant time to open each day.



## Set FilledRegion Border Style

**Tooltip:** Specialized filled region styling tool that allows precise control over border line appearance. Quickly apply consistent line styles to multiple filled regions simultaneously, enhancing drawing clarity and graphical standards. Works with individual selections even when regions are nested within groups by using tab-selection technique.



## Super Renamer

**Tooltip:** A powerful simple window that provides efficient access to a comprehensive suite of renaming functions.

- Add or remove prefixes for selected views with a single click
- Convert Views and Sheets to uppercase for consistent documentation
- Format view names based on detail number and sheet number with customizable patterns
- Rename families directly without navigating through the project browser
- Toggle between different naming conventions with ease

This tool streamlines the tedious process of maintaining naming consistency throughout your project.

[Popular]



## Sync All Open Proj and Close

**Tooltip:** End-of-day project synchronization tool that tidies up your work environment with one click. This utility automatically synchronizes all open project documents with their central files, then cleanly closes everything. Perfect for when you're heading home and want to make sure all your work is safely submitted to the central model.

[Popular]



## Sync All Open Proj

**Tooltip:** Project synchronization tool that keeps all your work up-to-date with a single click. This utility automatically synchronizes every open Revit project with its central file while keeping them open for continued work. Perfect for regular syncing throughout the day to prevent data loss and ensure changes are visible to your team.



## Tag Aligner

**Tooltip:** Precision tag alignment assistant that brings order to your documentation. This floating interface allows you to quickly align multiple tags horizontally or vertically based on a reference tag. Perfect for creating clean, professional drawings with consistently aligned annotations that improve readability and presentation quality.



## Toggle Contents

**Tooltip:** Master visibility controller for Revit elements. Efficiently manage pin/unpin status, visibility settings, and annotation bubble heads across multiple categories and views. Perfect for cleaning up views, preparing documentation, and enforcing standards across your project.

[Popular]



## Open App Store

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Ownership Inspect

**Tooltip:** Element ownership detective that reveals who's controlling what in your model! This comprehensive scanner examines all categories of elements and reports which team members have ownership of various objects. Perfect for troubleshooting editing conflicts, identifying workset patterns, and understanding collaboration dynamics across your project.



## Pick Absolute Similar

**Tooltip:** Advanced element matching wizard that finds truly identical elements throughout your model. Unlike Revit's built-in selection tools, this utility performs deep parameter comparison to identify elements that are genuinely identical in all important aspects. Perfect for finding all instances that share specific parameter values when you need precise selection control.



## Place Views On Sheets

**Tooltip:** Monitor for new views in the project and allow quick renaming through a non-blocking interface.



## Prefilter Selection

**Tooltip:** Just like the prefilter selection in Rhino, this allow you to narrow down selection beofre heavy window selection and post filter.

Very helpful when the drawing is very crowded.

You can enable multiple category at same time.

Let Sen.Z know if you would like to add more to the category list.

[Popular]



## Search Command

**Tooltip:** Intelligent command search engine for Revit. This powerful search utility helps you locate tools across both EnneadTab and native Revit interfaces with ranked results based on name and documentation matches. Features include visual previews of tool locations, direct activation capability, and detailed documentation display with links to help resources. Perfect for quickly accessing functions without navigating through ribbon panels or when you can't remember where tools are located.

[Popular]



## Toggle Warnings

**Tooltip:** Show warnings in the active view.



## What Happened?

**Tooltip:** A simple window that give you information of the creator, editor and owner of selected elements and active view.

[Popular]



## Family Browser

**Tooltip:** A simple window that can help you search the family from AppliedComputing Library.

Disclaimer: EnneadTab only help you find the family, but is not participating in the creation and maintainance of the family library.



## MetaData Exporter

**Tooltip:** Process all the family file to generate a metadata file for usage later.



## How to Use Ennead Library

**Tooltip:** Click the icon to load the family, some older revit version family will be upgraded during the process. Then you can start to use it.





## Discover Line Pattern

**Tooltip:** Find the line patterns that are similar in definition but slightly different.



## Export GIF From Archive Model

**Tooltip:** Attempt to export the same axon view from archive files



## Find Louvers

**Tooltip:** Filter selection for panels with 'is\_double pane spandrel' and 'is\_louver lower' checked.



## Floor Drafter

**Tooltip:** TO-DO: this has potential, should revisit when there is a demand



## GUI Match Pink

**Tooltip:** Attempt to match sketch element. DO NOT USE, see newer api for eketch class.



## Hide Section in Elevation by Orientation

**Tooltip:** Hide the wall section marks in elevations if its defined orientation does not match the orientation of the elevation.

This will resolve the issue of seeing wall section mark from the other side of the building, but you cannot change view depth per design reason.



## List All Unit Ids

**Tooltip:** List all ForgeId for units



## Modify LineStyle in Group(For A.Chi)

**Tooltip:** WORK IN PROGRESS, attempt to edit the linestyle usage that is bound to groups.



## Refomula Label

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Rename All Fam

**Tooltip:** Batch rename Revit families by replacing '\_INT' and '\_EXT' suffixes with company suffix.

Key Features:

- Processes all families in the current document
- Handles naming conflicts automatically
- Provides detailed progress feedback
- Logs failed rename operations



## Replace Keynote With Symbol

**Tooltip:** Find and replace user keynote with annotation symbol.



## Temp Graphic Test

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Temp

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Transfer Sheet Order

**Tooltip:** Get the sheet order parameter value to a new format.



## resize\_wall\_tags

**Tooltip:** Resize wall tags leader length to a user defined model space distance.



## sum\_area\_from\_link

**Tooltip:** Sum all the area from link.



## test\_coloner

**Tooltip:** Test to clone from url using LibGit2Sharp.dll



## test\_schema

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## **(OLD)Excel2Diagram**

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## **Align Key Plams**

**Tooltip:** Align all keyplan to one source location viewpotty.



## **AreaPlan to RoomPlan**

**Tooltip:** Convert all area boundary line to room seperation line, area to room in current view



## **Assign Linked Views to PlanSet 7**

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## **Excel2Diagram**

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## **Fillet Area Corner**

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Load Color Template

**Tooltip:** Update color scheme with office template excel version

J:\1643\2\_Master File\B-70\_Programming\01\_Program & Analysis\2024-04-11 Color Scheme\_LHH.xls.

NOTE: excel should be saved with .xls instead of .xlsx format

Also note, the column header should be as such:

A: Department(Section Name)

B: Department Abbr.

C: Department Color

D: Program(SubSection Name)

E: Program Abbr.

F: Program Color

ANYTHING ELSE IN THE EXCEL FILE WILL BE IGNORED, including the hex code text on color cell and red, green, blue value number.

Those manual color text cannot be trusted on the long run.



## Match Phase Sheet Layout

**Tooltip:** Use me to batch align viewports over many sheet. It search the matching rule by detail number, then apply same title offset and title line length. This is built or LHH phasing diagrams and works way better than Ideate for this senario.



## Phase Diagram Layout update

**Tooltip:** layout viewport on sheet based on the phasing and level name



## Rename Views

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Smart Match Grid Graphic

**Tooltip:** This use the grphaical extend setup on all main LifeSafety view as guide to set all plan view grid visual.

It is the best invention since ketchup.



## Text Area --> Area

**Tooltip:** Get the text type parameter value to area value by removing the 'SF' in the value and convert to float type



## Update Keyplan

**Tooltip:** Auto pick keyplan based on the first doc view phase



## Update Life Safety Info

**Tooltip:** Update the life safety information data



## Update WWR chart

**Tooltip:** Update the window wall ratio chart by reading filled region in groups



## capitalize\_data

**Tooltip:** Make all area data capitalized



## change\_para\_key\_group

**Tooltip:** Change parameter keygroup of LifeSafetKey



## grid\_magic\_name

**Tooltip:** Format grid name



## publish\_360

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## **shift\_phase**

**Tooltip:** shift the created phase from 7 to 6



## **update\_delta\_area\_graphic**

**Tooltip:** update the delta area graphic



## **update\_grid\_bldgld**

**Tooltip:** Update grid bldgld with its scopebox information



## **update\_level\_relative\_value**

**Tooltip:** Update the relative value of the level so one level can display two set of datum.



## Open Favorite Views by Set

**Tooltip:** Open many views by picking from print sets.





## Assign Target

**Tooltip:** Assign targets for symbol families. Pick a symbol family and assign glass/opaque targets.



## Window Wall Ratio Sum

**Tooltip:** Facade Glass vs Opaque Study for Cost estimation



## 2124\_Replace Room Tag

**Tooltip:** Replacing one type of roomtag on many sheets to another type.

This process is not the same as merging. It is just doing selected replacement.



## Align Viewports

**Tooltip:** Align selected viewports to the right handside, with view title coming to right as well.



## Find All Door Not Tagged

**Tooltip:** Find doors from this project that are not tagged yet. You can pick sheets to process. Only plan views will be considered.

Requested by J.H.Park



## Find dup BEA room number

**Tooltip:** Find room with duplicated BEA room number per phase.



## Offset View Crop

**Tooltip:** Expand or shrink view crop on multiple viewports.



## Set Filled Region Boundary Linestyle

**Tooltip:** Set the filled region border line to a specific line style



## Randomly Reduce Panel Selection to 5 pack, requested by Chiwhei

**Tooltip:** Randomly deselect from selection input.



## 01\_remove not placed area(Legacy)

**Tooltip:** Legacy, now in review panel



## 02\_fill in default discount ratio if has not been filled

**Tooltip:** Doc string not set



## 03.0\_Assign Bldg ID data by Scopebox

**Tooltip:** xxx



## 03.2\_change furnichure level by bldg id

**Tooltip:** Relocate the furnichure level of the selected elements by building ID



## 04.1\_efficiency block data filler

**Tooltip:** Get the data reading based on the rule from Efficiency schedule, process them and fill to the graphical symbal data calculator on sheets, which shows the workstation seat count, net area and gross area, and what is the efficiency rate of this level.



## 05\_area to excel 2.0, N3 Only

**Tooltip:** Gather the data of GFA area plans and publish it to Excel in the format requested by the client.



## 06\_fix keyplan

**Tooltip:** Batch apply keyplan instance parameter to many sheets.



## 07\_sheet, floor, level and grid plot number

**Tooltip:** Assign plot ID to all sheet, floor, level and grid elements in project. This is critical for having a accurate shcedule from linked file.



## 08\_prefix views

**Tooltip:** Prefix user input text before view names. Good for organizing workings such as slab edge drawings and GFA drawings.



## 09\_add node to surf, N3 spehere only

**Tooltip:** Set surface divider number on selected face.



## 10\_By List: multiple panel radius by host wall

**Tooltip:** pick panel types to be fixed, it will update the 'R' or 'r' parameter based on the curved host wall



## 11\_prefix grids

**Tooltip:** Prefix grid name with 'temp'



## 12\_turn on elevator note and update data

**Tooltip:** Turn on elevator notes about the base level and top level of the elevator model, its usage mark, and when was the last time this scheck was run.



## 15.1\_fix color\_room department 2.0

**Tooltip:** Find the room department that is using names other than agreed name list. And attempt to fix it.

Name list location:

I:\2135\6\_Team\CH\2022-03-05 Color Scheme\Room Department Script.txt



## 16\_fix color\_area department

**Tooltip:** If area department is not part of user allowed list, find them and replace them.



## 17\_fix color\_area office layout function

**Tooltip:** Get areas with department assignment outside predefined name list. And attempt to fix them.



## 18\_set bullit point by/to revision on sheet

**Tooltip:** Transfer the data between issuing parameter and titleblock revision schedule. Also can transfer issue data from last round to current round.



## 19\_[PDF and DWG and JPG exporter] <-----

**Tooltip:** The original flavour auto-exporter. It export pdf and dwgs and jpg, package them to different folders, and control the print by issuing parameter. The paper size and color setting is picked automatically by sheets parameter.



## 20\_copy material from link, load family(beta) from link

**Tooltip:** Copy graphical property of material from link, but keep the keynote data untouched.



## 21.1\_Open Many Bili Proj

**Tooltip:** Open many Bili projects together.



## 23\_frit gradient

**Tooltip:** Apply grediant frit pattern to the ADP family instance.



## 24.1\_Show/Hide Markups and Office layout 2.0

**Tooltip:** For office markup elements( internal textnotes, sketch dims, etc), the tool goes thru the entire file and find them on each view, then it either hide and show them based on your choice.



## 25\_remove near or overlapped area or room tags

**Tooltip:** Remove area tag or room tags that is visually very close on same view.



## 26\_align dim across sheet

**Tooltip:** NOT IN USE



## 27\_TAG MANY VIEWS---

**Tooltip:** Select views from project browser, remove tags that are too close to other tags( if they are tagging the same element).

It then tags Objects with user selected type



## 28\_Set/Reset Empty Titleblock.

**Tooltip:** Some LDI prefer a totally empty titleblock. Unfortunately, the revision schedule cannot be turned on/off by parameter control. SO this tool, will remove the sheet revisions, and store that information at the issue parameters. Then the titleblock can be turned empty. After the export, the tool can be used to recover sheet revision schedule.

Why not switch to another empty titleblock family? Because when switching, non-shared-instance-parameter will reset. So you will lose any local setting.



## 29\_transfer area to other scheme

**Tooltip:** Get the area boundary lines and areas from one area scheme to another.



### 3.3\_recreate room on correct level

**Tooltip:** Get the rooms that does not have associate level matching building id, then try to recreate this room in the coorrect associate level. This is a common problem in early SD/DD where rooms are created in similar height levels and the information locked to it.



### 30\_remove dup area boundary line

**Tooltip:** Remove duplicated the area boundary line for each view.



### 31\_what is in design option?(Legacy)

**Tooltip:** Legacy, now you can do better in color code design option



### 33\_check monitoring status(Site File only)

**Tooltip:** In the revit file with copy/monitor status, compare how many levels and grids have two way monitor status and how many have one way monitor.

This usually happens when somewhere in the life cycle one side the element is recreated/deleted or massively renamed, which means other link file need to catchup. This takes you further than the native copy/monitor review.



### 34\_uncheck view note and translation from template

**Tooltip:** Unbind the checkbox for view note and translation parameter from the view templates.



### 35\_Elevation and Grid orth-direction

**Tooltip:** Check if all of your grids and elevations is orthoganal.



### 36\_repeat ADP

**Tooltip:** For selected ADP componenets that have been placed. Run 'Repeat' Command for all of them. This saves you huge time on waiting for recalculating patterned placement.





### **37A\_set protected element(grid, level, scopebox)(NOT IN USE)**

Tooltip: NOT IN USE



### **37B\_set protected element without name(NOT IN USE)**

Tooltip: NOT IN USE



### **37C\_review protected elements(NOT IN USE)**

Tooltip: NOT IN USE



### **38\_Purge SubC**

Tooltip: Purge Subcategory(Danger)



### **39\_wall max\_height**

Tooltip: Find the geometrical max height of walls and store that data at 'Element\_Max\_Height\_Report' parameter



### **40\_Floor to Filled region**

Tooltip: Recreate a filled region using the same shape as the floor.



### **41\_ check if sheet on schedule**

Tooltip: Force to make all sheets check this 'Appears In Sheet List'. You are suggested to always use other method to filter sheets in schedule, because a QAQC sheet schedule should be able to see every sheet, including the ones not for documentation.



## 42\_inspect material keynote, material, family and object style

**Tooltip:** Inspect the material keynote, material, subCategory relationship and where there are being used.



## 44.1\_update internal dim selection set

**Tooltip:** Find the dims of internal dim type, and update the selection filter set for filter control.



## 44\_set/recover no color elevation/sections/plans

**Tooltip:** For many categories, set or recover the color and surface pattern status so the dwg can have non-solid hatch. Many LDI prefer the dwg this way, while office pdf would prefer to show full foreground and background surface pattern.



## 45\_transfer material color background

**Tooltip:** Make material foreground graphic to background graphic



## 46A\_move elements south 4500 thru copy/delete(NOT IN USE)

**Tooltip:** NOT IN USE



## 46B\_move elements south 4500 thru move(NOT IN USE)

**Tooltip:** NOT IN USE



## 47\_Isolate export type for Wall/Floor/Roof/Column/Stair(Legacy)

**Tooltip:** Legacy, now in Output panel



## 48\_load many families to many docs

**Tooltip:** Legacy, not under Family Panel



## 49\_Export No Sheet View as Jpgs(Depreciated)

Tooltip: Depreciated



## 50\_Delete view based on jpgs in folder(Legacy)

Tooltip: Legacy, now in view panel



## 51\_rename detail num

Tooltip:

This function renames views in Revit based on their associated level and name. It first selects the views to be renamed. It then loops through each view in the selection and extracts the associated level and key from the view name. The key is used to identify the type of view, and is used in the new view name. The associated level and key are combined to form a new detail number for the view, which is set as the view's "Detail Number" parameter. If the associated level cannot be extra



## 52\_Assign Walltype Filter

Tooltip: Batch create walltype filters with defined color to many view templates.

This is handy when doing the colored wall type diagram elevation.



## 53\_Make walltype legend(Legacy)

Tooltip: Legacy, now do it in output panel



## 54\_Create Shared Para(Legacy)

Tooltip: Legacy, now do output panel



## 55\_Add field to schedule(Depreciated)

Tooltip: Depreciated



## 56\_Create revisions(Depreciated)

Tooltip: Depreciated



## 57\_break composite floor

Tooltip: For composite floor element, recreate the finish and structrue slab as seperate element. It will use the source footprint for both outcomes.



## 58\_Copy selected template to other open doc

Tooltip: Copy selected view templates to other open models.



## 60\_detect\_FOG

Tooltip: Detect the FOG of curtain to the nearest palleral grid line.

The result is ranked by how off the distance are to the nearest whole number.

It also provide links to the problem curtain wall, and will attempt to create a working view to help you fix them.



## 61\_Import Rhino camera(Legacy)

Tooltip: Legacy, now in view panel



## 62\_check sheet value

Tooltip: Check esential sheet value has been assigned.



## 63\_Get model GUID

Tooltip: Get the GUID for current model. This is the identifier on BIM360 server.



## 64\_3D workset views(Legacy)

**Tooltip:** Legacy, now do it in view panel



## 65\_replace\_dim\_text

**Tooltip:** Replace the dim text that is below the dim number in current document from A to B.

For example, changing from 'FOG' to 'F.O.G.'



## 66\_bundle Rhino(NOT IN USE)

**Tooltip:** NOT IN USE



## 67\_mark preserve color fillregion and detail item type

**Tooltip:** Sometimes you want to set certain filled region and detail item to be graphically controlled separately from the category graphic. So you can use filter to assign special graphic. But the setting inside the type parameter might not be reflected on the type name. So this tool will lookup for those conditions and append '\_preserved color' in type name as it is easier to be found.



## 68\_stair\_end\_with\_riser(Checker)

**Tooltip:** Check if the stairs are ending with a riser.



## 69\_stair\_end\_with\_riser(Fixer)

**Tooltip:** Try to fix stairs that has end with a riser checked.



## 70\_FRW Dims(NOT IN USE)

**Tooltip:** NOT IN USE, attempt to auto dimension distance between FRW windows



## 71\_check\_level\_id

**Tooltip:** Print out all levels, ranked by elevation, to show level names and its level id data



## 72\_fix\_area\_view\_title(NOT IN USE)

**Tooltip:** NOT IN USE



## 73\_find\_EOS\_in\_FOG\_family

**Tooltip:** Find the modular marker family that have the EOS instance parameter turned on/off.



## 74\_bring\_size\_from\_old\_door

**Tooltip:** Get door size data from old file. Apply to current file by matching GUID.



## 75\_Fix Wall And Room sp\_line Overlap

**Tooltip:** In the standalone window, you can zoom in with section box to a region that have wall and room separation line overlay warning.

As you are fixing it, you will see the warning count going down.



## 76\_load 2D family from container link(Legacy)

**Tooltip:** Legacy, now in family panel



## 77\_Create/Update detail item from CAD

**Tooltip:** For each selected dwg file, create new detail item family and load in the dwg, save family as the same name as the dwg, then load the family to project.

This batch process is handy when your consultant gives you dozens of CAD drawing and you need to convert all of them to detail item family.

You should also checkout EnneadTab for CAD for some CAD batch processing related to this workflow.



## 78\_Mark RFR

**Tooltip:** Mark detail items on this QAQC view with info about how many of this instance have been placed on other views of the document. And if more than one, which view.

Handy after you brought in many contents from container file on day one and one day ten, you want to know how many have been deployed on the document.



## 79\_map\_instance\_property(legacy)

**Tooltip:** Legacy, now under family panel



## 80\_tag\_room\_too\_high

**Tooltip:** Get rooms that is overlapping other rooms, and tag them in views from selected sheets.



## 81\_find\_section\_mark\_not\_from\_sheet

**Tooltip:** Locate sections in the viewport of the sheet that is referring to views from other sheet. For system drawing, most detail section mark should refer to current sheet.



## 82\_Link Dummy Callout To View From Link

**Tooltip:** Assign a stable ID when creating the dummy reference. So even if future session, the dummy callout can still find the desired view data in the link file, and update the view detail number and sheet number shown on the small circle.



### 83\_Update Linked Dummy Callout

**Tooltip:** Update the view detail number and sheet number data based on the linked dummy callout. You need to have the related link loaded for it to find the linked view.



### 84\_sheet\_translator

**Tooltip:** DO NOT USE, use newer AI translator



### 85\_adjust\_line\_pattern\_definition

**Tooltip:** Adjusting the line pattern definition to remove very similar but different definition, WIP



### 88\_find\_empty\_tag

**Tooltip:** Find keynote tags that is current empty.



### 89\_identify\_level\_for\_cw\_panel

**Tooltip:** Find the nearest level by boundingbox lowest Z, then apply vent level as Comments



### 92\_adjust\_fin

**Tooltip:** Adjust fin height by intersecting detail line.



### Alias not set

**Tooltip:** xxx



### Note: toolbar version 12.1

**Tooltip:** If 2135 toolset not working for you, restart you revit to receive current update





## (Un)Register Area Comment Live Updater

**Tooltip:** Registration tool for automatic Area comment updates from Excel data. Monitors area elements for changes and syncs with external data.



## Colorize Pills

**Tooltip:** Colorize the diagram pills, requested by Gayatri



## DEPRECATED: Confirm RGB

**Tooltip:** Even when you type in the RGB value in excel, that might get changed by someone in the future and cannot be trusted. I suggest to NOT include RGB value in the excel so there is only one source of truth, but if the team REALLY need to have RGB value in excel written out, run this to confirm the color of cell is matching the number in excel



## DEPRECATED: Load Color Template

**Tooltip:** Update color scheme with office template excel version

J:\2151\2\_Master File\B-70\_Programming\03\_Colors\Color Scheme\_NYULI\_Active.xls.

NOTE: excel should be saved with .xls instead of .xlsx format

Also note, the column header should be as such:

A: Department

B: Department Abbr.

C: Department Color

D: Program

E: Program Abbr.

F: Program Color

ANYTHING ELSE IN THE EXCEL FILE WILL BE IGNORED, including the hex code text on color cell and red, green, blue value number.

Those manual color text cannot be trusted on the long run.



## DEPRECATED: Query Main Excel

**Tooltip:** Use the shaed excel file to read the correct naming for department and program type. Provide solution to batch fix.



## DEPRECATED:Detailed Program Chart Update

**Tooltip:** Basic area summary checker that update the data in special calculator.

This is also hooked to the sync event for this project. Request by Gayatri



## DGSF Area Data Name Check

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Match Container

**Tooltip:**

Use container file as base to compare BIM data to other major NYULI docs for consistency.



## Pick Name

**Tooltip:** Pick your pill, then assign name from a list. Request by Gayatri



## Set Linked View

**Tooltip:** Set linked view for projects by a map.



## Show Parking Mark

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Transfer In Excel Target

**Tooltip:** Extract program information from Excel and transfer target value based on program name.



## Update Dummy Patient Room

**Tooltip:** Update the data for dummy patient room so its data is correct in schedule.



## Update Material Setting

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Update Parking Data

**Tooltip:** Update tehe parking dataso it make sense in schedeuL.

Note: this tool is to be run so first all parking stall update instance parameter.  
For the Site file it do the additional super summery.



## Get Special Selection

**Tooltip:** Based on the special brep defined in Rhino file, highlight specific panel instances in the current document.



## Checker Board Selection

**Tooltip:** Get checker board A/B selection from the curtain wall, requested by Furui



## **(Deprecated)Format Egress Doors**

**Tooltip:** Make sure all door with Egress Id is accounted in the calculator collection.



## **(Deprecated)Format Egress Stairs**

**Tooltip:** Make sure all egress stair has consistent width on run, and push that to calculator stair width



## **(Deprecated)Format New Area**

**Tooltip:** Make sure all areas have at least a valid discount data.

Make sure all areas have department data.



## **(Deprecated)Format New Rooms**

**Tooltip:** Make sure all room 'Rooms\_\$LS\_Occupancy Manual' is at-least zero.

Also transfer the name of the life safety key to the title so you can see it on tags.



## **(Deprecated)Format New Sheets**

**Tooltip:** Make sure all sheets have a default Print\_In\_Color value.

Make sure all sheets show in shecule



## **(Deprecated)Update Stair Capacity Calculator**

**Tooltip:** Gather the room life safety data from rooms of each level can sum and feed into the Stair Capacity Calculator for capacity required.



## **All Cap Sheet Name and View Name**

**Tooltip:** Make sure all sheet names and view names are capped.



## Auto Detail Num

**Tooltip:** Set the smallest detail number on sheet viewport to be 10.



## CAP\_ALL\_ROOM\_NAME

**Tooltip:** Make all room name as full CAP



## Excel Sheet Creator

**Tooltip:** Create new sheets based on data from Excel



## Factory Internal All-In-One Check

**Tooltip:** All In One Checker



## Line2Structure

**Tooltip:** Convert line in Rhino into Revit Structure frame. Become a archi-column, strcutre column or frame needs to be defined in previous step at Rhino.



## Remove Sheet Name Prefix Underscore

**Tooltip:** Remove the sheet name underscore prefix.



## Set Revision By BlackSquare

**Tooltip:** Transfer the data between issuing parameter and titleblock revision schedule. Also can transfer issue data from last round to current round.



## Transfer Old Room Data

**Tooltip:** Transfer room occupancy load data from old parameter to new parameter. See detail in script





## All In One Checker

**Tooltip:** Basic area summery checker that update the data in special calculator.

This is also hooked to the sync event for this project.



## Assign Mirrored Panels

**Tooltip:** For Ethan's beautiful diagram.



## Assign Door Mat

**Tooltip:** Assign materials to door panels and frames in the current phase using instance parameters Door\_{\$Panel\_Material} and Door\_{\$Frame\_Material}



## Check DWG Export Layer Mapping

**Tooltip:** check NYU CAD export layer mapping rule



## Cleanup Dr Tag

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Room To Door Mark

**Tooltip:** Update door marks based on their To Room parameter values. If multiple doors lead to the same room, append A, B, C etc. to make them unique.



## Test Door Data

**Tooltip:** Process door fire rating parameters by transferring 'Bad' values to other fire rating parameters.

This script will:

1. Find all doors with 'Bad' fire rating values
2. Transfer these values to other fire rating parameters on the same door
3. Mark the original parameters as 'Transferred out'



## Update Dr Style Name

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Update Life Safety

**Tooltip:** This tool updates life safety parameters in a Revit project, ensuring compliance with occupancy and egress requirements.



## Welcome Sparc

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Chained Family Loading

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Chained Family Opening

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Print All Family Name

**Tooltip:** Sen Zhang has not writed documentation for this tool, but he should!



## Fire Door Checker

**Tooltip:** Find rated walls and doors in the model and highlight them in schedules.

Main Steps:

1. Locate all rated walls based on fire rating parameter
2. Find doors hosted on rated walls
3. Cross reference with door schedule
4. Highlight rated doors in schedule by changing text color to red

Optional:

- Creates a report of findings
- Allows for parameter verification



## Associate Parameter To Family

**Tooltip:** Associate parameters to family, to be fulfilled by Colin



## Test Encoder 2025

**Tooltip:** Sen Zhang has not wrote documentation for this tool, but he should!