

# EnneadTab For Revit

Shh... Secret Documentation  
2025-10-08

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## 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.



## 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)

Features:

- Fix Category Prefix Only: Automatically updates family name prefixes to match current categories
- \* Handles wrong prefixes (e.g., WALL\_Door\_EA -> DOOR\_Door\_EA)
- \* Handles missing prefixes (e.g., Door\_EA -> DOOR\_Door\_EA)
- Fix by Excel: Export/import workflow for manual editing
- Analyze hosting behaviors and category mappings



## Change Family Category

**Tooltip:** Batch change family categories with user-friendly interface and comprehensive reporting.



## 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.



## 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.



## 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



## 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.



## 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



## 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.



## 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.



## 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.



## 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.



## 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!



## 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 Keynote Exporter

**Tooltip:** Us the Keynote Exporter app to interact with the KeynoteExcel with legacy format.



## 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.



## 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.





## Repath Dwg Drive Letter

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



## Revision Cloud Color Manager

**Tooltip:** Manage revision cloud colors based on revision ID. Enable/disable color display and set custom colors for each revision across all documents.



## 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.



## 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.



## 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



## 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.



## BigRhino2Revit(For Large Batch)

**Tooltip:** Convert recent Rhino2Revit output jobs into Revit families and load them into the project.

This tool processes all recent output jobs from Rhino2Revit in Rhino and:

1. Creates new generic families from template
2. Converts job files to Revit elements using filename as subcategory
3. Saves families to temp location and loads into main project
4. Moves newly loaded families to origin point



## 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



## 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.



## 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.



## 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 esitimation, 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 desrupting shared printSet.
- Export views on sheet seperatedly 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 separate in dwg export.



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



## Move2Origin

**Tooltip:** Move family instances to the internal origin while maintaining current orientation.

Three operation modes are available:

- 1: Family is placed in 3D view with incorrect location - Select it and move it.
- 2: Family is placed somewhere in 3D view but location unknown - Select from listbox and move it.
- 3: Family is newly loaded but not yet placed - Select from list and place at origin.

Note: Some element types have location constraints and may not be movable to absolute origin.  
Report any issues to the EnneadTab team.



## 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 Rhino block containing all its Breps (or fallback Meshes).

Block names in Rhino follow the format: "FamilyName\_TypeName"

Each export includes a timestamp in the filename.



## 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.



## Rhino2Revit(For Full Control)

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

Compared to shape2family and block2family, this tool give you the maximal control over subCategory mapping to existing category so you revit will be the most clean.

Pair this usage with move2origin.

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)



## RoomOrArea2Diagram

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

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

- Exports boundaries with filleted corners and optional inner offset
- Maintains color coding from Revit color schemes
- Adds text labels for space identifiers
- Creates solid hatches for each space
- Features XAML GUI with persistent settings
- Supports both Rooms and Areas export
- Configurable corner fillet radius and inner offset distance
- Automatic settings save/restore for future use
- Framework ready for drafting view group export (future feature)



## Schedule2Excel

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



## Shape2Family

**Tooltip:** This is to handle all the incoming geometry made from Rhino's shape2revit command.



## 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 infor 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.



## Family Parameter Batch Creation

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



## 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.



## 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 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 go for the element keynote types.

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



## Internal Annotation Handler

**Tooltip:** Handle internal textnotes and dimensions in the project.

This tool allows you to show or hide all internal textnotes and dimensions at once.

Filters elements by type names that begin with '\_internal\_note' prefix.

Works across all views including dependent views while respecting ownership permissions.



## Isolate Warnings

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

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



## KeynoteTAG Reset Color

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



## Load Family From Link

**Tooltip:** Load family from linked revit file without open those links. Non-editable families (in-place and system) will be skipped.



## 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.



## 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.



## 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



## 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.



## Temporary Revision

**Tooltip:** Temporarily hide selected revisions (titleblock impact) and restore later.



## 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.



## View Template Compare

**Tooltip:** Compare multiple view templates and generate an interactive HTML report showing differences.

This tool allows users to select multiple view templates and compares their settings including:

- Category overrides (visibility, halftone, line weight, color, etc.)
- Category visibility settings
- Workset visibility
- View parameters (controlled and uncontrolled)
- Filter usage and graphic overrides

The output is an interactive HTML table where columns represent each template and rows show differences. Uncontrolled parameters are highlighted as dangerous since they can cause inconsistencies.



## 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.



## App Store

**Tooltip:** Launches the EnneadTab App Store, providing access to a curated collection of productivity tools, utilities, and extensions for Revit. Users can easily browse, install, and update plugins to enhance their workflow.



## 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.



## Check Error Log

**Tooltip:** Opens the EnneadTab error log Google Form in your default browser. This allows you to view and submit error reports, track known issues, and stay updated on bug fixes and improvements. Essential for troubleshooting and providing feedback to the EnneadTab development team.



## Display Revit Warning History

**Tooltip:** Doc string not set



## 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.....



## Remote Fix Code

**Tooltip:** Emergency code fix tool for remote debugging and editing using VS Code Dev



## Revit Remote Server

**Tooltip:** Standalone Remote Server Script (no EnneadTab/proDUCktion dependency).



## 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.



## 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.



## Area2Mass

**Tooltip:** Convert area/room boundaries into loadable Revit mass families by using boundary segment curve loops to build mass extrusions in mass family, then load into project using internal coordinates like Block2Family.



## 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



## 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.



## 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.



## Disallow Wall End Joins

**Tooltip:** Disallows wall end joins by wall type. This tool allows you to select specific wall types and disable their end joins, preventing automatic joining behavior at wall endpoints.



## Explode Axon

**Tooltip:** Create an exploded axon by displacing elements of a selected category per level grouping in a 3D view.



## 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.



## Join Selected Elements

**Tooltip:** Automates the tedious task of joining vertical and horizontal elements throughout your model.

This utility now allows you to select which categories to join:

- Horizontal elements: multi-pick from Floor, Ceiling
- Vertical elements: multi-pick from Column, Structural Column

The tool will join all selected vertical elements to all selected horizontal elements, and provide 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 type and cause revit default type group to display wrongly.



## NYU Export CAD Layer Mapping

**Tooltip:** Apply NYU CAD Layer Standards to DWG Export Settings. This tool maps Revit categories to NYU standard layer names and colors. All subcategories will use the parent category's layer settings.



## Open Doc(s) Silently

**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.



## Pim Number Fixer

**Tooltip:**

Pim Number Fixer

This tool allows users to batch rename DWG and PDF files by updating or inserting a PIM number into their filenames. It provides a simple UI to select files, preview the new filenames, and perform the renaming operation. The tool also remembers the last used PIM number for convenience.

Typical use cases:

- Standardizing file naming conventions for project documentation.
- Quickly updating PIM numbers in multiple files after project changes.

Note: This tool operates on the file system and does not require an open Revit document.



## Random Deselect

**Tooltip:** Random deselection tool for Revit elements.

This tool allows you to randomly deselect a portion of your currently selected elements. Perfect for when you have too many elements selected and want to reduce the selection to a manageable subset for further operations.

Features:

- Uses PyRevit input slider to control percentage of elements to keep
- Random selection ensures unbiased element reduction
- Preserves original selection order for consistency
- Safe operation with proper error handling

Usage:

1. Select elements you want to work with
2. Run this tool
3. Use the slider to set percentage of elements to keep (0-100%)
4. Confirm to apply random deselection



## 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.



## 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.



## 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.



## BIM Client

**Tooltip:** BIM Client tool for managing BIM data and workflows. This tool provides a centralized interface for BIM operations and data management.



## Open App Store

**Tooltip:** Opens the EnneadTab App Store interface, allowing users to browse, install, and manage available add-ons and extensions for Revit. Provides a centralized location for discovering new tools and keeping existing ones up to date.



## 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 before 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.



## 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.



## 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.





## 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.

# Tailor Scripts Information

This documentation excludes EnneadTab Tailor scripts from the main content.

**208** tailor-related scripts were skipped for **Revit**.

Tailor scripts are project-specific customizations and are not included in the general documentation.