BABOOM CAD: User Guide

CAD tools for AutoCAD and Revit: xref graph, layer audit, layer fix, project split

05 November 2026
BBM-CAD-GUIDE
Companion to BBM-STD-66 CAD standard

Three read-only checks on a CAD folder and one layer fix that writes corrected copies. They read every DWG/DWT/DWS without opening a drawing window, never write next to the drawings, and open an HTML report in the office style. Reports are kept in `%LOCALAPPDATA%\BBM-CAD\REPORTS`.

1 Install

AutoCAD 1

Copy `BABOOM-BIM-STANDARD\02-LIBRARIES\07-PLUGINS\14-BBM-CAD\BBM-CAD.bundle` to `%APPDATA%\Autodesk\ApplicationPlugins`. Restart AutoCAD (2021 to 2027): the **BABOOM CAD** tab appears. New versions arrive by themselves from the share at the next AutoCAD start.

Revit 2

Copy the contents of `BABOOM-BIM-STANDARD\02-LIBRARIES\07-PLUGINS\14-BBM-CAD\BBM-CAD-SYNC-REVIT\<year>` (2025 or 2027) to `%APPDATA%\Autodesk\Revit\Addins\<year>`. The **CAD Sync** panel appears on the BABOOM Tools tab.

2 The four tools

Button / command	What it reports	Output
`Xref Graph` `BBM_XREFGRAPH`	who references whom; absolute vs relative paths; missing xrefs; cycles; content bound in from other drawings (0); attach instead of overlay; duplicate copies (same SHA-256); floors that do not reference a typical	BBM-XREF-GRAPH.html
`Layer Audit` `BBM_LAYERAUDIT`	every layer against BBM-STD-66 `D-MMMM[-MMMM]-S`; a proposed BABOOM layer per old layer; layers whose meaning is not readable stay on Hold for the CAD lead	BBM-LAYER-AUDIT.html + BBM-LAYER-MAPPING.csv
`Layer Fix` `BBM_LAYERFIX`	applies BBM-LAYER-MAPPING.csv to a folder: each layer renamed or merged onto its BBM-STD-66 layer with the BABOOM colour, linetype and lineweight; the entity count is checked on every file	fixed copies in %LOCALAPPDATA%\\BBM-CAD\\FIXED + BBM-LAYER-FIX-LOG.csv
`Split Check` `BBM_SPLITCHECK`	the folder tree against `01-DWG\<discipline>\00-BASE, 01-FROM-REVIT, 02-MODULES, 03-FLOORS, 04-ELEV-SECT, 05-DETAILS, 06-SHEETS`; dotted folder names; drawings outside the split; sheets with model geometry	BBM-SPLIT-CHECK.html

3 Run

Pick 1

AutoCAD: BABOOM CAD tab › CAD Sync › a button, or type the command. Revit: BABOOM Tools › CAD Sync. Choose the CAD folder.

Wait 2

The drawings are read one by one (about 2 seconds each). Revit runs a hidden AutoCAD in the background; AutoCAD 2021 or later must be installed.

Read 3

The report opens in the browser. To fix layers: change any row of BBM-LAYER-MAPPING.csv in Excel if needed, then run Layer Fix on the folder with that CSV and copy the fixed drawings back.

Read only. The checks never rename, purge or save a drawing. Fix the findings in the drawings themselves, or with the CAD lead for layer renames. Batch run without AutoCAD open: `accoreconsole.exe /s run.scr` with NETLOAD and the command.

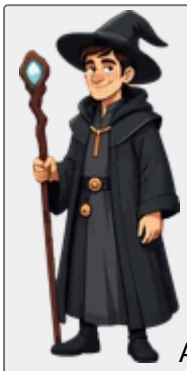
Who to ask



BABOOMThe BIM wizard

×

Ask me about the standard Ask me about the standard Ask



Ask BABOOM