Templates and CAD: User Guide

Revit templates, AutoCAD template, layers, plot styles

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BBM-TEMPLATES-AND-CAD-GUIDE
Companion to BBM-STD-65 and BBM-STD-66

The office templates at `BABOOM-BIM-STANDARD\01-TEMPLATES`. Every new Revit project starts from the current office template; every new AutoCAD drawing from the office .dwt. Older template revisions are in 98-ARCHIVE: never start a project from an archive.

1 What is inside

File	Use
`02-REVIT/BBM-GEN-TMP-R23-REV04.rte`	The one office Revit template for every discipline: architecture, structure and MEP (O-DEC-188) (Revit 2023)
`01-AUTOCAD/BBM-CTB-PLOT66-v01.ctb`	Plot style table
`01-AUTOCAD/BBM-DWS-BBM-layers-v02.dws`	CAD standards file (layers): attach in AutoCAD Standards
`01-AUTOCAD/BBM-DWT-BBM-template-v02.dwt`	AutoCAD drawing template: start new drawings from it
`01-AUTOCAD/BBM-LIN-FENCE-LINE-ef9a36b2f6-v01.lin`	Linetype definition
`01-AUTOCAD/BBM-CTB-STR-A2-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-A3-BORE-HOLE-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-A3-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-A3-NC-COLUMN-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-A3-WITH-ARCHITECTURAL-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-BUILDING-INFORMATION-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-FOR-EXIST-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-PILE-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-WITH-ARCHI-CTB-v01.ctb`	Plot style table (structural)
`01-AUTOCAD/BBM-CTB-STR-WITH-COLOR-CTB-v01.ctb`	Plot style table (structural)

2 Start a Revit project

New project 1
File › New › Project › Browse, and pick the office .rte above from the server. Choose Project, then OK.

Save it 2
Save into the project folder copied from 00-FOLDER-STRUCTURE, named by the BEP naming rule.

Load the rest 3
Shared parameters: 05-PARAMETERS guide. Families and details: their catalogues.

3 Start an AutoCAD drawing

New drawing 1
Copy BBM-DWT-BBM-template-v02.dwt from 01-AUTOCAD into your AutoCAD Templates folder (or point QNEW at it); NEW then starts every drawing from it.

Layers check 2
STANDARDS › add BBM-DWS-BBM-layers-v02.dws from 01-AUTOCAD, then CHECKSTANDARDS checks the layers against BBM-STD-66.

Plot 3
Copy the .ctb into your AutoCAD Plot Styles folder (OPTIONS › Files › Printer Support File Path › Plot Style Table Search Path) and pick it in the plot dialog.

4 New template revisions

Only the BIM team changes a template (BBM-STD-65): the new revision gets the next REV number, the old one moves to 98-ARCHIVE, and build_all.py refreshes the front page. Report a template problem to the BIM team.

One template for every discipline. Architecture, structure and MEP all start from the same office template. It carries each discipline's view templates, filters, line styles, MEP system types and structural settings, but no loadable model families or details: load those from the family and details catalogues; MEP fittings, profiles and railing parts come in with the Load discipline kit button on the BABOOM ribbon. The old structural (R21) and MEP (R19) templates are retired to 98-ARCHIVE.

Who to ask
The BIM team: questions, corrections, installs and new items. Do not edit files in the library; it is read-only for users.