BABOOM
THE BIM WIZARD

Scripts: User Guide

Dynamo graphs for Revit and LISP routines for AutoCAD

05 November 2026
BBM-SCRIPTS-GUIDE
Companion to BBM-STD-73 Automation

Office automation scripts at `BABOOM-BIM-STANDARD\02-LIBRARIES\06-SCRIPTS`: **7 Dynamo graphs** for Revit and **32 LISP routines** for AutoCAD. Run them from the server; never edit the library copy. `CATALOGUE.html` lists every script with what it needs.

1 Dynamo graphs

Graph	Saved in	Packages it needs
`BBM-DYN-CREATE-WORKSETS-NO-PACKAGE-v02.dyn`	Dynamo 3.3	no packages
`BBM-DYN-CREATE-WORKSETS-v01.dyn`	Dynamo 3.3	Synthesize toolkit 24.11.1001
`BBM-DYN-SELECT-BY-WORKSET-v01.dyn`	Dynamo 2.5	Modelical 2022.6.15, archi-lab.net 2023.213.1722
`BBM-DYN-SET-WORKSET-FROM-EXCEL-v01.dyn`	Dynamo 2.1	archi-lab.net 2023.213.1722
`BBM-DYN-TAG-MATERIALS-v01.dyn`	Dynamo 2.5	Genius Loci 2023.2.21, archi-lab.net 2023.213.1722
`BBM-DYN-THRESHOLDS-FROM-DOOR-SADDLE-TYPE-v01.dyn`	Dynamo 2.5	Clockwork for Dynamo 2.x 2.4.0, Genius Loci 2022.9.16, Rhythm 2022.7.2, archi-lab.net 2023.213.1722
`02-TXT-NOTES-TRANSLATOR/TXTNOTS-TNLS.dyn`	Dynamo 2.5	QuasarII 2021.25.101, archi-lab.net 2023.213.1722

2 Run a Dynamo graph

Install packages 1
Open Dynamo once and install the packages in the table: Packages › Search for a Package. Graphs with "no packages" run as they are.

Open 2
In Revit: Manage › Dynamo (or Dynamo Player), then open the .dyn from the server path above. Graphs saved in Dynamo 3.3 need Revit 2025 or later.

Set inputs 3
Check each input (file paths, categories). BBM-DYN-SET-WORKSET-FROM-EXCEL still points to an old Excel export: choose your own file first.

Run 4
Press Run and check the result in the model. Undo works for one run.

Keep the folders as they are. The two CREATE-WORKSETS graphs read `..\05-PARAMETERS\BBM-STD_WRKST.txt` and the notes translator reads the two TXT NOTS workbooks next to it. Run them from the server so these paths resolve.

3 Load a LISP routine

APPLOAD 1

In AutoCAD type APPLOAD, browse to `BABOOM-BIM-STANDARD\02-LIBRARIES\06-SCRIPTS\01-LISP`, pick the .lsp or .fas file and press Load, then Close.

Type the command 2

Type the command from the table below (for example SSX or RENUM) and follow the prompts.

Load every session 3

To load it at every start: APPLOAD › Startup Suite › Contents › Add, and pick the same file.

4 LISP routines

File	Command	Original name
BBM-FAS-CPDQC_V2-3-aa9cb6e289-v01.fas	compiled (.fas)	CPDQC_V2.3.fas
BBM-FAS-ChekRoadEntranceLocation_v1-3-3e2ca40f89-v01.fas	compiled (.fas)	ChekRoadEntranceLocation_v1.3.fas
BBM-FAS-ExtractData-PSRDWG-377745d837-v01.fas	compiled (.fas)	ExtractData-PSRDWG.fas
BBM-FAS-ExtractData_PSRDWG-a50a2788e4-v01.fas	compiled (.fas)	ExtractData_PSRDWG.fas
BBM-FAS-ExtractRouteLayers-ERL-7bc0d8d6d3-v01.fas	compiled (.fas)	ExtractRouteLayers-ERL.fas
BBM-FAS-PRSQC_V1-11-db788ff8de-v01.fas	compiled (.fas)	PRSQC_V1.11.fas
BBM-FAS-PRSQC_V1-14-0b7c672fb6-v01.fas	compiled (.fas)	PRSQC_V1.14.fas
BBM-FAS-RoadEntracne_V4-1-c71aae4912-v01.fas	compiled (.fas)	RoadEntracne_V4.1.fas
BBM-LSP-2c-c340ba6b2d-v01.lsp	2C	2c.lsp
BBM-LSP-2s-f2442c7d3d-v01.lsp	2S	2s.lsp
BBM-LSP-ARAHATCH-3cbfa8a680-v01.lsp	AREDIT	ARAHATCH.LSP
BBM-LSP-AsmiTools_Renum-e264d267c2-v01.lsp	RENUM	AsmiTools_Renum.lsp
BBM-LSP-CD-4c85019643-v01.lsp	CD	CD.lsp
BBM-LSP-Coordinates-c4f835f9fa-v01.lsp	NE, NE2, NE3	Coordinates.lsp
BBM-LSP-Coordinates-f8e6f76902-v01.lsp	CR	Coordinates.lsp
BBM-LSP-CopyRenameBlockV1-5-CB-RB-62d1a2645c-v01.lsp	CB, RB	CopyRenameBlockV1-5 (CB, RB).lsp
BBM-LSP-FA-be9b2606c2-v01.lsp	FA	FA.LSP
BBM-LSP-SUMLEN-3eca6e26c0-v01.lsp	SD	SUMLEN.LSP
BBM-LSP-break2-d572183ec8-v01.lsp	BREAK2	break2.lsp
BBM-LSP-chtext-a831943248-v01.lsp	CHGTEXT, CHT	chtext.lsp
BBM-LSP-close-bind-file-219182df12-v01.lsp	BN	close bind file.LSP
BBM-LSP-file-close-101eb3135a-v01.lsp	FC	file close.LSP
BBM-LSP-ir-4eeae7cb42-v01.lsp	IR	ir.LSP
BBM-LSP-layer-5b83f6acab-v01.lsp	D, EA, EC, EF, EO, ES	layer.LSP
BBM-LSP-no-221416aab3-v01.lsp	NO	no.lsp
BBM-LSP-num-da467aa92d-v01.lsp	NUM	num.LSP
BBM-LSP-ss-9ce482a6c8-v01.lsp	SS	ss.lsp
BBM-LSP-ssx-4418395e42-v01.lsp	SSX	ssx.lsp
BBM-LSP-tad-319f73656c-v01.lsp	TAD	tad.LSP
BBM-LSP-tar-c02fb5ea21-v01.lsp	TAR	tar.lsp
BBM-LSP-tt-3582bb671c-v01.lsp	Q	tt.lsp
BBM-LSP-tty-36105a4c77-v01.lsp	TTY	tty.lsp

5 Naming

Dynamo: `BBM-DYN—<WHAT-IT-DOES>—v01.dyn`. LISP: `BBM-LSP—<name>-<id>—v01.lsp` (compiled: BBM-FAS-...), where `<id>` is the start of the file checksum given when the library was built; the original name is kept in 01-LISP\ASSETS-INDEX.csv. A changed script gets the next version (v02); the old one moves to 98-ARCHIVE.

+ Add a new item

Drop it 1
Copy the file into `06-SCRIPTS\99-INTAKE` with a one-line note: what it is, where it came from, licence, who asked.

BIM team checks 2
It works, holds no client or project data, is not a duplicate (same SHA-256) and may be used by the office.

Filed and named 3
The BIM team renames it (BBM-DYN-<NAME>-v01 / BBM-LSP-<NAME>-v01) and moves it to its numbered folder. Rejected items go to 98-ARCHIVE.

Pages rebuilt 4
build_all.py regenerates this guide, the catalogue and the front page. Nothing is deleted.

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.