Shared Parameters: User Guide

The office shared parameter file, worksets and model checks

05 November 2026
BBM-SHARED-PARAMETERS-GUIDE
Companion to BBM-STD-72 and Manual 3.2, 3.3

One shared parameter file for the office: `BABOOM-BIM-STANDARD\02-LIBRARIES\05-PARAMETERS\BBM-SHARED_PARAMETERS.txt`. Every project and family uses it, so a parameter has the same name and GUID everywhere and schedules, tags and exports match. It holds **248 parameters in 16 groups**.

1 What is inside

File	What it is
`BBM-SHARED_PARAMETERS.txt`	Revit shared parameter file: 248 parameters, 16 groups. Never edit it by hand.
`BBM-STD_WRKST.txt`	The office workset list: 6 worksets, e.g. Shared Levels and Grids, Core — Modeling, Links — Architecture, Links — Structure.
`BBM-QA-MODEL-CHECK.xml`	Autodesk Model Checker set-up: 5 checks (generic models, model groups and others).
`BBM-CLASSIFICATION-EQUIPMENT-SUBCATEGORIES-v01.xlsx`	Autodesk Classification Manager database: equipment family subcategories.
`CATALOGUE.html`	Every parameter with group, data type and GUID; search and filter.
`BBM-SHARED_PARAMETERS-MERGE-REPORT-2026-11-04.md`	The Revit Families copy (7) and the structural copy (27 of 29) were merged in with their original GUIDs; older files are in 98-ARCHIVE.

2 Parameter groups

Exported Parameters 29 · **02.OPENINGS** 23 · **00.GENERAL** 39 · **01.SHEETS&VIEWS** 17 · **08.LANDSCAPE** 7 · **07.MEP-HVAC** 15 · **06.MATERIALS** 2 · **09.DRAINAGE** 9 · **10.MODEL-HEALTH-CHECK** 5 · **11.COBIE** 79 · **12.STRUCTURAL-FRAMING** 9 · **13.STRUCTURAL-COLUMNS** 2 · **14.STRUCTURAL-SLABS** 2 · **15.STRUCTURAL-WALLS** 3 · **16.STRUCTURAL-FOUNDATIONS** 4 · **17.PILES** 3

3 Load it in Revit

Point Revit at it 1

Manage › Shared Parameters › Browse. Pick `BABOOM-BIM-STANDARD\02-LIBRARIES\05-PARAMETERS\BBM-SHARED_PARAMETERS.txt`. Do not copy the file to your PC.

Add to a project 2

Manage › Project Parameters › Add (New) › Shared parameter › Select. Choose the group and the parameter, then the categories.

Add to a family 3

In the Family Editor: Family Types › New Parameter › Shared parameter › Select. Type or instance as the parameter list says.

Tag it 4

Tags and schedules use the same shared parameter, so the value shows everywhere.

4 Worksets and model checks

Create the worksets 1

Collaborate › Worksets to enable worksharing. Then run the Dynamo graph `06-SCRIPTS\BBM-DYN-CREATE-WORKSETS-NO-PACKAGE-v02.dyn`: it reads BBM-STD_WRKST.txt, renames Workset1 to Core — Modeling and creates the other Manual 3.3 worksets (an .rte cannot hold worksets).

Check the model 2

Install the BIM Interoperability Tools (07-PLUGINS\07-REVIT-ADD-INS). In Revit: BIM Interoperability Tools › Model Checker › Setup, open BBM-QA-MODEL-CHECK.xml, then Run.

Classify 3

BIM Interoperability Tools › Classification Manager. In its settings choose BBM-CLASSIFICATION-EQUIPMENT-SUBCATEGORIES-v01.xlsx as the database.

Open item. The 5 checks in BBM-QA-MODEL-CHECK.xml all sit under "<--Unused-->" (created, not yet placed in a section). The BIM team files them into sections before the checker is used for issue checks.

5 Naming and rules (BBM-STD-72)

- One file only: new parameters are added to BBM-SHARED_PARAMETERS.txt by the BIM team, never a second file.
- A parameter keeps its GUID for life. Never delete and re-create one with the same name: Revit treats it as a different parameter.
- Name it for what it holds, in the group of its discipline (00.GENERAL, 01.SHEETS&VIEWS, 02.OPENINGS ...). The meaning, data type, unit and owner are recorded in the BBM-STD-72 workbook.
- Worksets are named `BBM—<discipline>-<element>`, for example BBM-A-WAL, BBM-S-CLM, BBM-M-DCT.

+ Add a new item

Drop it 1

Copy the file into `05-PARAMETERS\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 (new parameter added to the one file; other files BBM-<TYPE>-<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.

Exported Parameters (29)

_ghd_Ckt Ld_AC_SPL · NUMBER
BAE_Department Code · TEXT
BAE_Division Code · TEXT
BAE_Level Code · TEXT
BAE_Phase Code · TEXT
BAE_Sub Division Code · TEXT
BAE_Sub Sub Division Code · TEXT
Classification.Facility.Description · TEXT
Classification.Facility.Number · TEXT
Classification.MasterFormat.Description · TEXT
Classification.OmniClass.21.Description · TEXT
Classification.OmniClass.21.Number · TEXT
Classification.OmniClass.22.Description · TEXT
Classification.OmniClass.22.Number · TEXT
Classification.OmniClass.23.Description · TEXT
Classification.OmniClass.23.Number · TEXT
Classification.Space.Description · TEXT
Classification.Space.Number · TEXT
Classification.Uniclass.EF.Description · TEXT
Classification.Uniclass.EF.Number · TEXT
Classification.Uniclass.Pr.Description · TEXT
Classification.Uniclass.Pr.Number · TEXT
Classification.Uniclass.Ss.Description · TEXT
Classification.Uniclass.Ss.Number · TEXT
COBie.Type.category · TEXT
DoorFireRating · TEXT
DoorPanelType · TEXT
KLD_DM SHEET NUMBER · TEXT
KLD_Sheet Name Line 2 · TEXT

02.OPENINGS (23)

ASSOCIATED ROOMS · TEXT
ASSOCIATED-OPENINGS · TEXT
CORE · TEXT
DOOR-ACTION · TEXT
FRAME-DESCRIPTION · TEXT
FRAME-FINISH · TEXT
GLAZING · TEXT
HINGES · TEXT
INT-FNSH-OFSET · LENGTH
IRONMONGERY · TEXT
LEAF · TEXT
Meeting Stile · TEXT
MOVING-PARTS · TEXT
OUT-FNSH-OFSET · LENGTH
PANEL-DESCRIPTION · TEXT
PANEL-FINISH · TEXT
Profile · TEXT
Protection · TEXT
SPANDREL-PARTS · TEXT
STC · TEXT
THRESHOLD · TEXT
Ventilation · TEXT
VISION-PART · TEXT

00.GENERAL (39)

Asset_ID · TEXT
BILL NO · TEXT
BLDNG_CODE · TEXT
Classification_Code · TEXT
ClassificationRelease · TEXT
ClassificationTable · TEXT
ClassificationTitle · TEXT
Department · TEXT
Door FireProtection · TEXT
Empty · TEXT
Export Exclude · YESNO
FAR ID · TEXT
Fire_Rating · INTEGER
Fire_Rating_Source · TEXT
Fire_Rating_Standard · TEXT
FLEX · LENGTH
GRID REF. · TEXT
GRIDHD · TEXT
IDENTIFY · TEXT
LIFE EXPECTENCY · TEXT
MANAGMENT · TEXT
Model Origin OK? · YESNO
MUNICIPALITY · TEXT
PACKAGE · TEXT
PLOT_NO · TEXT
PRIORITY · TEXT
PROJECT_DESC · TEXT
RAG_COLOR · TEXT
RISER & TREAID · TEXT
SECTOR · TEXT
SECTOR_NO · TEXT
SERIAL NUMBER · TEXT
SITE · TEXT
System · TEXT
TYPE ID · TEXT
WARRANTY END DATE · TEXT
WARRANTY START DATE · TEXT
ZONE · TEXT
ZONING · TEXT

01.SHEETS&VIEWS (17)

BUILDING NAME · TEXT
CLIENT ADDRESS · TEXT
DETAIL NO. CUSTOM · TEXT
LEVEL · TEXT
N-ARROW-ANGLE · ANGLE
ORG-SET_DISCIP · TEXT
ORG-SET_SER · TEXT
ORG-SET_STATUS · TEXT
ORG-SET_SUB_DISCIP · TEXT
PHASE · TEXT
PLOT NO. · TEXT
SCALE · TEXT
SECTOR NO. · TEXT
SEQ · INTEGER
SHEET NO. CUSTOM · TEXT
SHEET-SIZE · TEXT
VIEW TYPE · TEXT

08.LANDSCAPE (7)

BOTANICAL NAME · TEXT
CALIPER · TEXT
COMMON NAME · TEXT
DELIVERY/ INSTALLATION/ PRUNED SIZE · TEXT
DENSITY (PCS/M2) · TEXT
POT SIZE · TEXT
TOPIARY TYPE · TEXT

07.MEP-HVAC (15)

AIR-FLOW · TEXT
CHILLED-WATER-FLOW · TEXT
COIL-ENTERING-TEMP (DB/WB)°C · TEXT
COIL-LEAVING-TEMP (DB/WB)°C · TEXT
ELCTRIC-POWER (kW) · TEXT
EQUIPMENT TYPE · TEXT
ESP · TEXT
POWER-DETAIL · TEXT
QUANTITY · TEXT
REMARKS · TEXT
SENSIBLE · TEXT
SERVED-AREA · TEXT
TOTAL · TEXT
UNIT REF · TEXT
UNIT-TYPE · TEXT

06.MATERIALS (2)

CATEGORY · TEXT
MATID · TEXT

09.DRAINAGE (9)

COVER LEVEL · TEXT
COVER TYPE · TEXT
DISTANCE TO NEXT MANHOLE · TEXT
FIRE RATED · TEXT
INVERT LEVEL · TEXT
MANHOLE REF. · TEXT
MANHOLE SIZE · TEXT
NEXT MANOLE REFERANCE · TEXT
REFERENCE · TEXT

10.MODEL-HEALTH-CHECK (5)

AUDIT DATE · TEXT
HYPERLINK · URL
NO. OF WARNINGS · TEXT
PURGED DATE · TEXT
REVIEWED DATE · TEXT

11.COBIE (79)

COBie · YESNO
COBie.Component.Area · AREA
COBie.Component.AssetIdentifier · TEXT
COBie.Component.BarCode · TEXT
COBie.Component.Description · TEXT
COBie.Component.InstallationDate · TEXT
COBie.Component.Length · LENGTH
COBie.Component.Name · TEXT
COBie.Component.SerialNumber · TEXT
COBie.Component.Space · TEXT
COBie.Component.TagNumber · TEXT
COBie.Component.WarrantyStartDate · TEXT
COBie.CreatedBy · TEXT
COBie.CreatedOn · TEXT
COBie.ExternalIdentifier · TEXT
COBie.Facility.AreaMeasurement · TEXT
COBie.Facility.AreaUnits · TEXT
COBie.Facility.Category · TEXT
COBie.Facility.CurrencyUnit · TEXT
COBie.Facility.Description · TEXT
COBie.Facility.LinearUnits · TEXT
COBie.Facility.Name · TEXT
COBie.Facility.Phase · TEXT
COBie.Facility.ProjectDescription · TEXT
COBie.Facility.ProjectName · TEXT
COBie.Facility.SiteDescription · TEXT
COBie.Facility.SiteName · TEXT
COBie.Facility.VolumeUnits · TEXT
COBie.Floor.Category · TEXT
COBie.Floor.Description · TEXT
COBie.Floor.Elevation · LENGTH
COBie.Floor.Height · LENGTH
COBie.Floor.Name · TEXT
COBie.Space.Category · TEXT
COBie.Space.Description · TEXT
COBie.Space.GrossArea · AREA
COBie.Space.Name · TEXT
COBie.Space.NetArea · AREA
COBie.Space.RoomTag · TEXT
COBie.Space.UsableHeight · LENGTH
COBie.System.Category · TEXT
COBie.System.Description · TEXT
COBie.System.Name · TEXT
COBie.Type · YESNO
COBie.Type.AccessibilityPerformance · TEXT
COBie.Type.Area · AREA
COBie.Type.AssetType · TEXT
COBie.Type.Category · TEXT
COBie.Type.CodePerformance · TEXT
COBie.Type.Color · TEXT
COBie.Type.Constituents · TEXT
COBie.Type.CreatedBy · TEXT
COBie.Type.CreatedOn · TEXT
COBie.Type.Description · TEXT
COBie.Type.DurationUnit · TEXT
COBie.Type.ExpectedLife · TEXT
COBie.Type.ExternalIdentifier · TEXT
COBie.Type.Features · TEXT
COBie.Type.Finish · TEXT
COBie.Type.Grade · TEXT
COBie.Type.Length · LENGTH
COBie.Type.Manufacturer · TEXT
COBie.Type.Material · TEXT
COBie.Type.ModelNumber · TEXT
COBie.Type.ModelReference · TEXT
COBie.Type.Name · TEXT
COBie.Type.NominalHeight · LENGTH
COBie.Type.NominalLength · LENGTH
COBie.Type.NominalWidth · LENGTH
COBie.Type.ReplacementCost · CURRENCY
COBie.Type.Shape · TEXT
COBie.Type.Size · TEXT
COBie.Type.SustainabilityPerformance · TEXT
COBie.Type.WarrantyDescription · TEXT
COBie.Type.WarrantyDurationLabor · TEXT
COBie.Type.WarrantyDurationParts · TEXT
COBie.Type.WarrantyDurationUnit · TEXT
COBie.Type.WarrantyGuarantorLabor · TEXT
COBie.Type.WarrantyGuarantorParts · TEXT

12.STRUCTURAL-FRAMING (9)

BOTTOM STEEL EXTRA · TEXT
BOTTOM STEEL-CONT. · TEXT
NO. OF LEGS · TEXT
SIDE BAR/FACE · TEXT
Sorting No. · TEXT
STIRRUPS(L/3) · TEXT
STIRRUPS(REST) · TEXT
TOP STEEL-CONT. · TEXT
TOP STEEL-EXTRA · TEXT

13.STRUCTURAL-COLUMNS (2)

COLUMN MAIN BARS · TEXT
COLUMN TIES · TEXT

14.STRUCTURAL-SLABS (2)

BOTTOM MESH · TEXT
TOP MESH · TEXT

15.STRUCTURAL-WALLS (3)

HORIZONTAL E.F. · TEXT
TIES · TEXT
VERTICAL E.F. · TEXT

16.STRUCTURAL-FOUNDATIONS (4)

BOTTOM BARS-LONG · TEXT
BOTTOM BARS-SHORT · TEXT
TOP BARS-LONG · TEXT
TOP BARS-SHORT · TEXT

17.PILES (3)

ALLOWABLE WORKING LOAD(KN) · INTEGER
LATERAL LOAD(KN) · INTEGER
UPLIFT LOAD(KN) · INTEGER