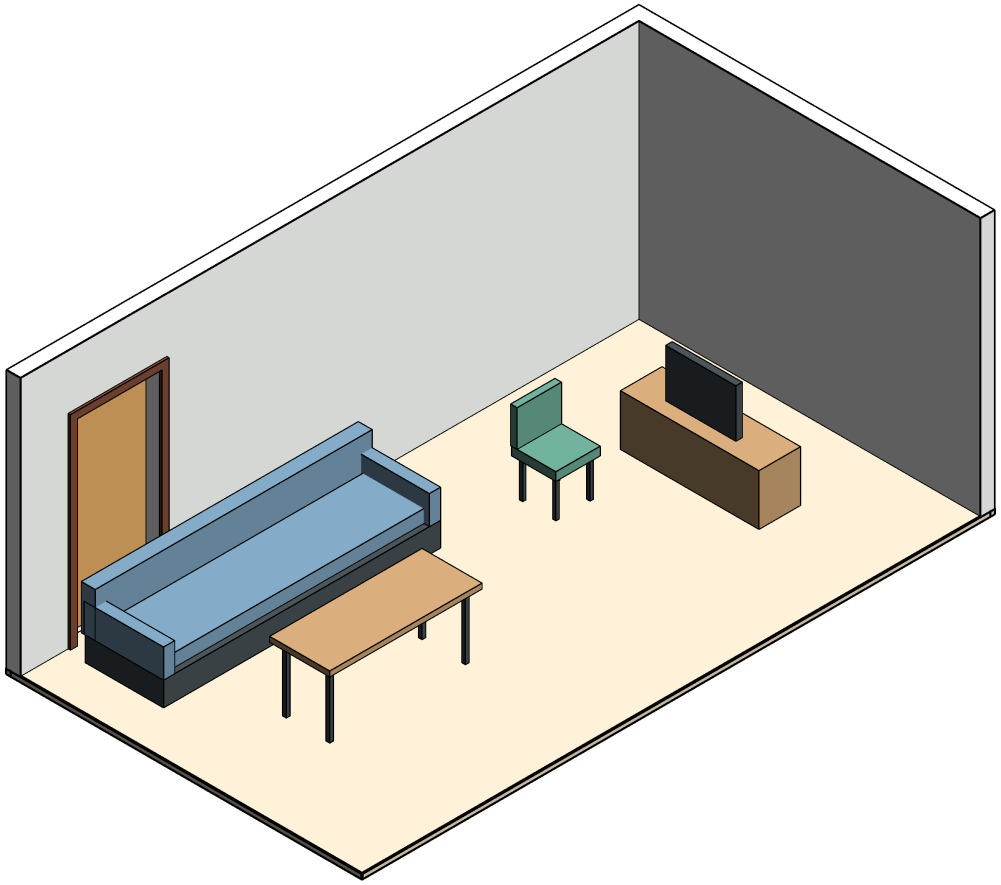
bimMajster

English

RoomDocs

RoomDocs user manual

From selected rooms to reviewed drawings



Rooms → Documentation → Sheets

Free add-in

Contents

1. Prepare a small first run 3

2. Rooms: choose exactly what to include 3

3. Documentation: configure your first floor plan 4

4. Advanced drawings and optional annotations 6

5. Sheets: choose the page and spacing 9

6. Naming: separate sheet numbers from sheet titles 12

7. Check the result before saving or exporting 12

8. Save settings for the next project 13

9. Quick troubleshooting 13

10. Before issuing the documentation 14

11. Field reference 15

First exercise: two rooms, one floor-plan row and separate sheets. Add advanced options after this result is clear.

Before you begin

Use a copy of your project for the first exercise. Prepare enclosed rooms, a sheet titleblock and the project resources you intend to use. Templates, viewport types, dimension styles and tag families come from the active project.

Installation

Follow the installation instructions provided with your download and check that the package matches your Revit version.

1. Prepare a small first run

RoomDocs is a free add-in. This guide explains the English interface in plain language. Follow the installation instructions provided with your download and check that the package matches your Revit version.

The workflow has three steps: **Rooms** chooses what to document, **Documentation** chooses the drawings, and **Sheets** arranges and names the result. You do not need to configure every option on your first run.

1. Make a test copy of your project and open that copy in the supported Revit version. Keep your original project unchanged during evaluation.
2. Check that the two rooms you want to test are placed and enclosed. Choose one simple room and one larger room.
3. Make sure the project has a suitable sheet titleblock. If you want office-standard graphics, also load the appropriate floor-plan view template and viewport type.
4. Open **RoomDocs** from its panel on the shared **bimMeister** ribbon. The window opens at **Rooms**.

For the first run, create floor plans only. Add ceiling plans, elevations, tags and dimensions after you understand the basic result.

2. Rooms: choose exactly what to include

1. Find the required room in the table. Use **Filter by parameter** and **Filter text (contains)** if the list is long. For example, choose **Number** and enter part of a room number.
2. Tick **Select** beside the first room, then tick the second room. Clicking or highlighting the room name alone does not select it for generation.
3. Check the selected-room count in the left panel. It should show the rooms you intended to include. Filtering does not clear rooms that were already checked, so a checked room may be hidden by the current filter.
4. Choose **Next** to continue to **Documentation**.

Room selection comes from the active project. Linked-room selection is outside this workflow. Loading a preset does not select rooms for you.

Expected result: only the checked rooms will be included. If the count is wrong, return to the table and correct it before continuing.

3. Documentation: configure your first floor plan

Open **Views & names**. Each enabled row describes one type of drawing for every selected room.

1. Tick **Use** on the first row. For this first exercise, leave the other rows off.
2. Set **View type** to **Floor plan**.
3. Choose a compatible floor-plan **View template**, or **(none)** if you are testing without an office template. A template controls the Revit settings assigned to it, so check its scale and visibility.
4. Enter **RD_** in **Prefix**, choose **Number** for **Room parameter**, and enter **FP** in **Suffix**.
5. Check the remaining fields and continue with **Next** when ready.

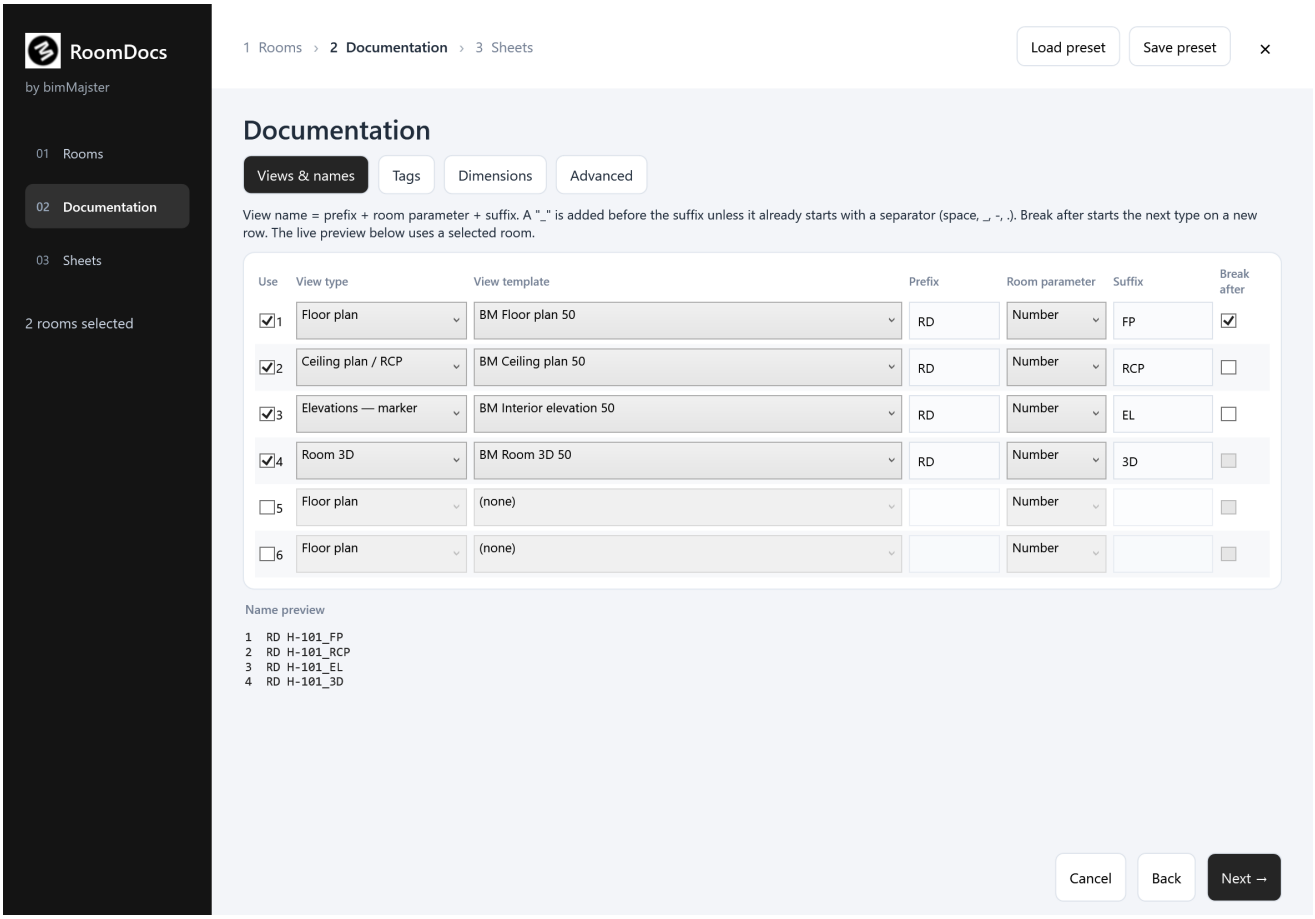
For room Number H-103, prefix RD_ and suffix FP produce RD_H-103_FP. The prefix is literal text. An underscore is added only when the suffix does not start with a separator. A live name preview shows the result.

Break after means: start the next enabled documentation type on a new layout row. It does not mean a new room, a new view or an automatic new sheet. You can leave it off for the one-row first exercise.

When the basic run works, enable additional rows for **Ceiling plan / RCP**, **Elevations - marker**, **Elevations - walls**, or **Room 3D**. Select compatible templates for each type. Repeating the same view type in another row is useful when you need another drawing configuration; keep its naming distinct.

Interface reference

3. Documentation: configure your first floor plan



Original RoomDocs interface. Example settings; follow the steps in the text.

4. Advanced drawings and optional annotations

Advanced: use the settings for the drawing type you are configuring. Adjust crop margins, offsets, rotation and elevation options deliberately. Read the unit beside each field; do not assume every distance uses the same unit.

Room 3D: choose a room-relative viewing direction, section-box margin, top cut, camera-facing cuts and scale. Side and corner directions reveal different parts of the room. A template that controls scale takes precedence. A rectangular section box around an irregular room can show neighboring geometry, so inspect the result.

Tags: enable tagging, tick a category and choose a loaded compatible family/type, or a loaded Multi-Category tag when no dedicated family exists. Select FP (floor plan), RCP (ceiling plan) or EL (elevation); room tags support FP/RCP. Position offers Auto, Centre, Above, Below, Left, Right. Edge-on doors/windows are skipped in elevations.

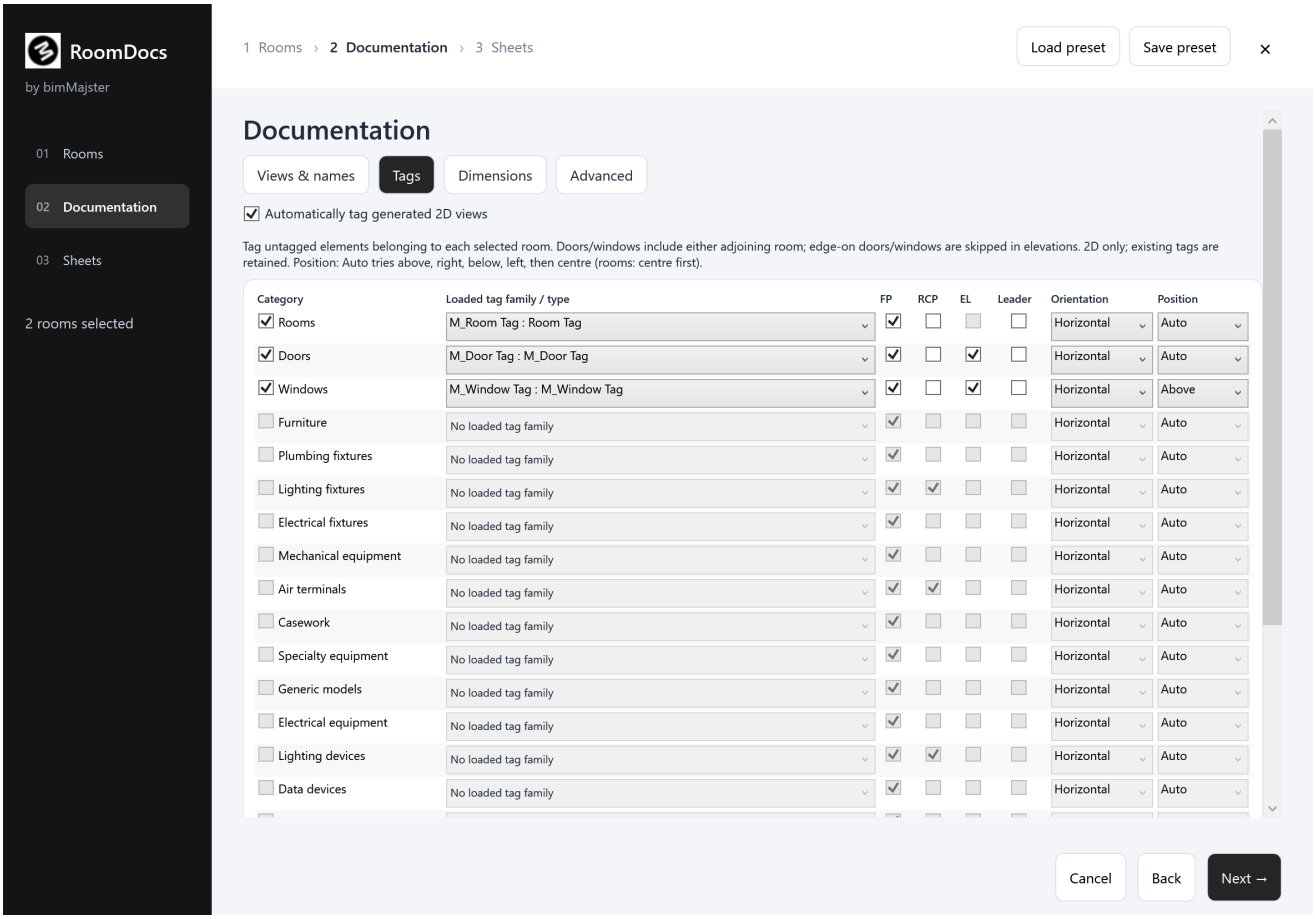
Dimensions: enable dimensioning and tick a supported drawing row. H and V enable directions independently. Choose positions, a loaded linear style and **Offset mm**. Inside positions sit inside the room at the offset; outside positions (below/above, left/right of room) sit beyond the wall face. If the crop is too tight, RoomDocs places the line inside and lists the needed extra crop offset.

Eligible floor plans and elevations are supported; RCP and 3D are not dimension targets. Floor plans require the supported rectangular room-boundary arrangement in local room axes. Elevation height needs real bounding floor and ceiling faces, not just a room upper limit. If a message requests **Areas and Volumes**, check Revit's Area and Volume Computations and the actual ceiling boundaries. RoomDocs reports an unavailable reference instead of inventing a dimension. A valid horizontal dimension can remain even when a vertical one is skipped.

Review after generation: tags, leaders, dimension text and door swings can overlap. Automatic placement still needs drawing review and sometimes manual adjustment.

Interface reference

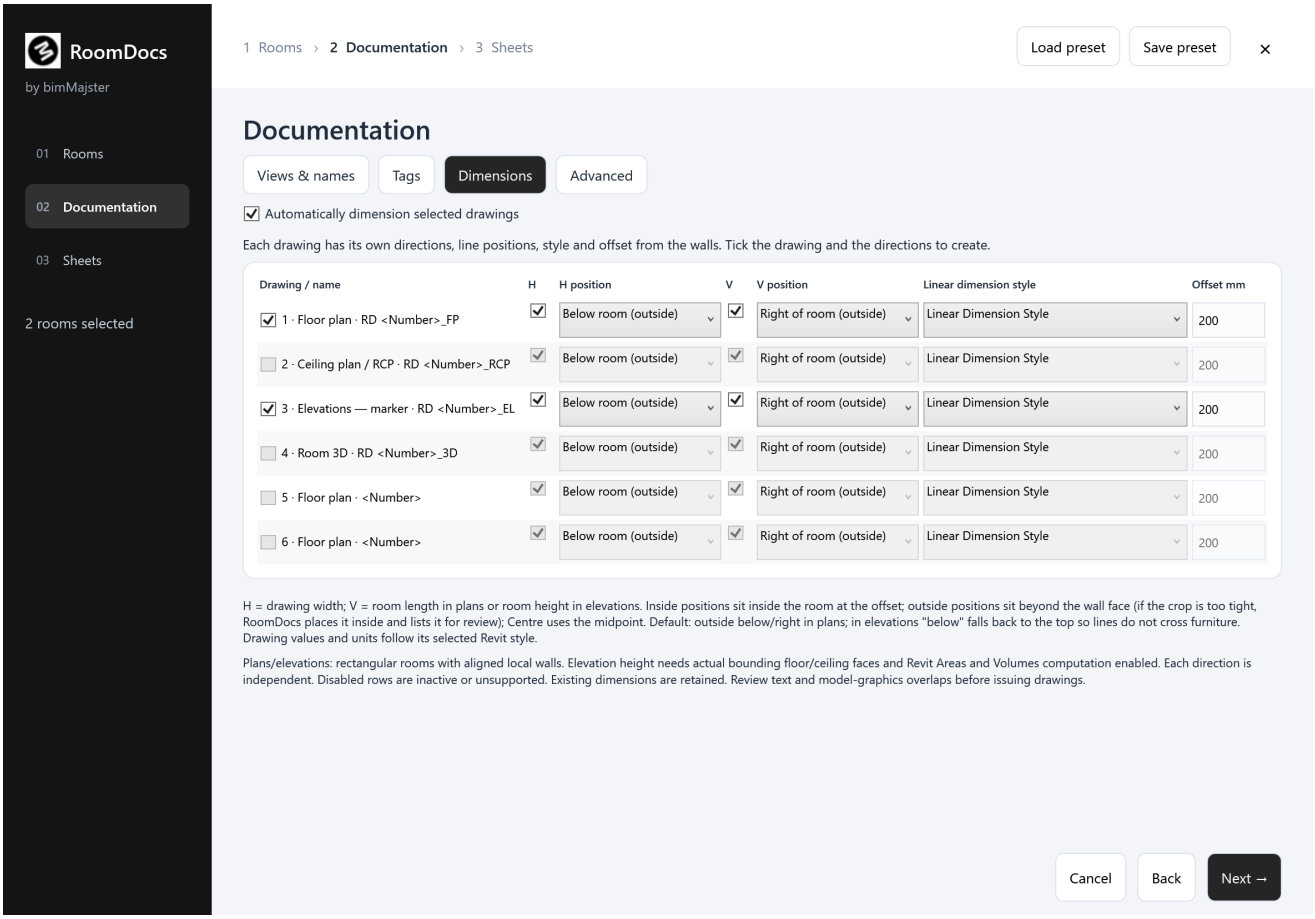
4. Advanced drawings and optional annotations



Original RoomDocs interface. Example settings; follow the steps in the text.

Interface reference

4. Advanced drawings and optional annotations



Original RoomDocs interface. Example settings; follow the steps in the text.

5. Sheets: choose the page and spacing

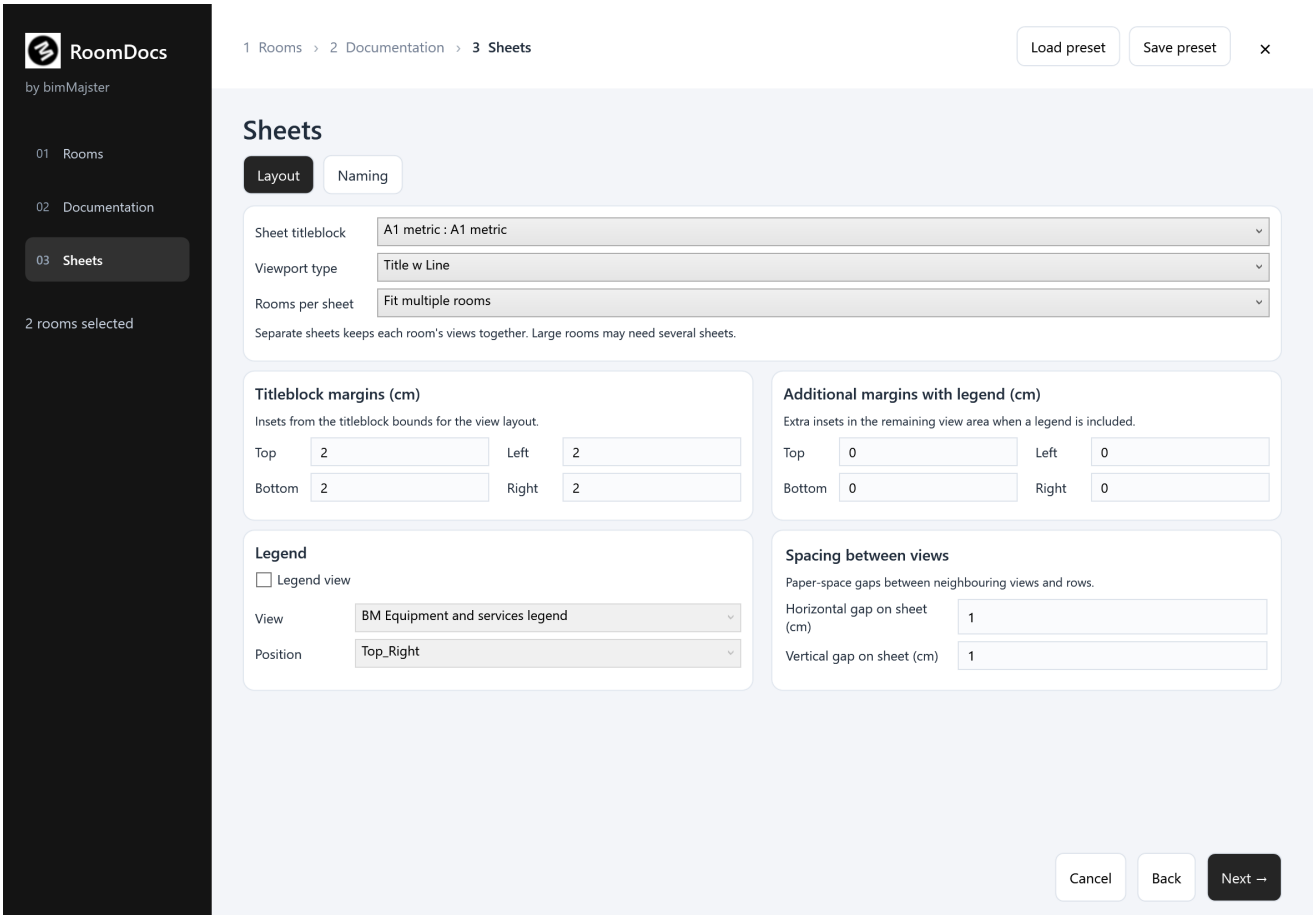
In **Sheets > Layout**, configure the destination for the generated drawings.

1. Choose **Sheet titleblock** from the titleblocks loaded in this project. This defines the sheet format.
2. Choose **Viewport type**. This controls the viewport presentation, including its title behavior.
3. For the first run, choose **Separate sheets per room** under **Rooms per sheet**. Each room stays separate; a large room can still need more than one sheet. Use **Fit multiple rooms** later if your office wants several rooms on a sheet.
4. Set **Titleblock margins** to keep drawings out of the border and title area. Enter the units shown in the interface. A larger right margin may be appropriate for a titleblock with its information panel on the right.
5. Set **Spacing between views**. These are gaps on the sheet, not distances in the model.
6. Leave **Legend view** off for the first run. Later, select a loaded legend, its position and any additional margins needed around it.
7. Choose **Next** to open **Naming**.

The titleblock, margins, gaps and view scale work together. If a drawing does not fit, review those choices. Do not rely on the tool to silently shrink an important drawing or replace your office resources.

Interface reference

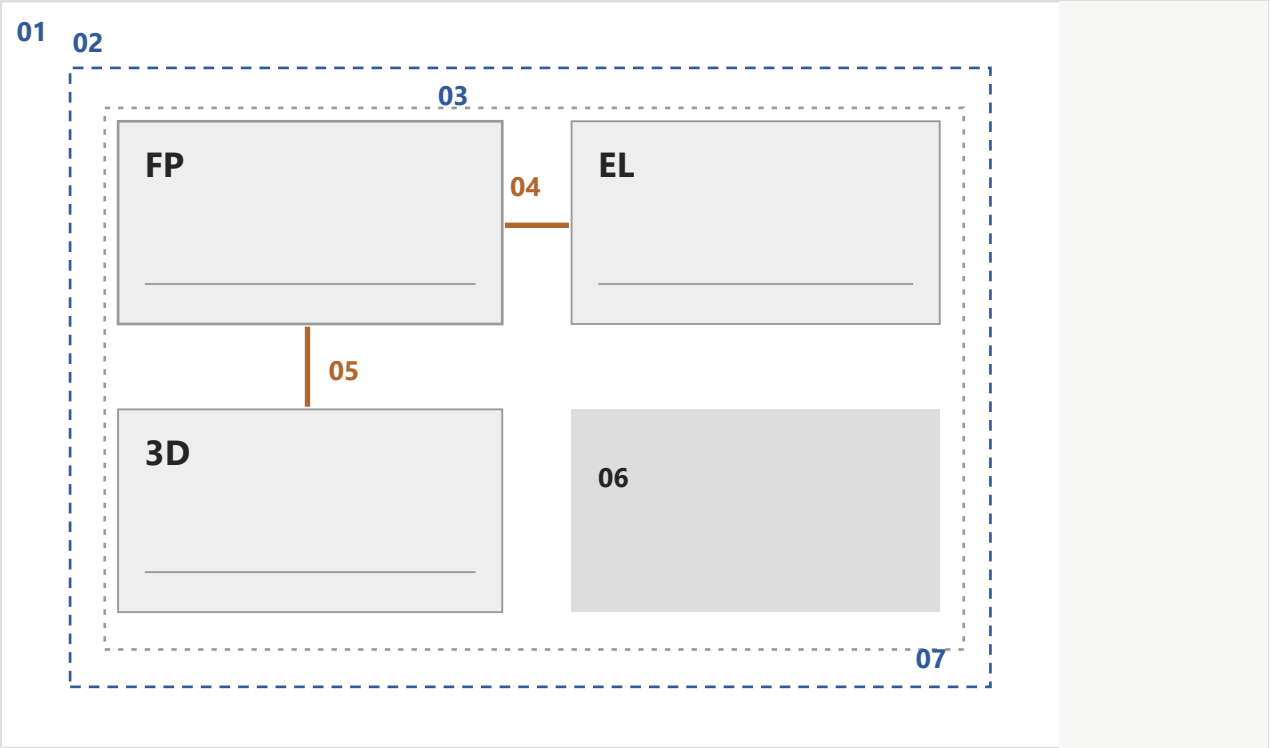
5. Sheets: choose the page and spacing



Original RoomDocs interface. Example settings; follow the steps in the text.

How sheet spacing works

These distances are measured on the sheet. They do not change room dimensions in the model.



01 Sheet boundary

02 Titleblock margins

03 View area

04 Horizontal gap

05 Vertical gap

06 Legend reservation

07 Additional margins with legend

Schematic only, not a generated sheet. Reserve the title area, then set view gaps. A legend and its margins also reduce the remaining layout area. Scale and viewport titles affect whether drawings fit.

6. Naming: separate sheet numbers from sheet titles

The **Sheet number** and **Sheet name** groups are independent. Configure both.

1. In **Sheet number**, choose the numbered sequence or an appropriate room parameter. For a simple sequence, use a recognizable prefix such as **RD-** and the intended start number. Padding controls how many digits appear, for example **001** rather than **1**.
2. In **Sheet name**, choose the wording or parameter your team uses to identify the documentation. Add a prefix or suffix only where needed.
3. If you use **Sheet Use** or **Sheet Category**, confirm the matching project parameters exist and enter the intended values. They are optional metadata, not a substitute for a sheet number or name.
4. Review the selected rooms, drawing types and names once more, then choose **Generate**.

Use a distinct test prefix so you can recognize the new output. Inspect actual generated names rather than assuming a sample format covers every numbering mode or collision case.

7. Check the result before saving or exporting

1. In Revit, locate the new views and sheets by the names or prefix you chose.
2. Open a floor plan for each test room. Check orientation, crop, graphics and scale.
3. Open each generated sheet. Check the room association, drawing order, margins, viewport titles and legibility.
4. If annotations were enabled, inspect actual dimension values, references, tag placement and any skipped-item messages. Correct overlaps before issuing drawings.
5. Save the test project only when you accept the result. For a production project, follow your office's review and saving procedure.
6. Export the accepted sheets using Revit's standard PDF export and inspect the PDF pages as well.

Generation creates a new set of native Revit views and sheets. Another run does not update the previous set in place. Keep or remove earlier output deliberately and review name collisions. Do not delete original office documentation just to repeat a test.

Your first-run check: two selected rooms, one floor-plan row and separate-room sheet packing should give you a straightforward way to verify that each intended room has its own floor-plan documentation. Do not add more options until this basic result is clear.

8. Save settings for the next project

1. When the configuration works, choose **Save preset** and give the XML file a recognizable office/task name.
2. In another project, choose **Load preset** and select that file.
3. Read any missing-resource messages. Load or explicitly map the intended templates, titleblock, viewport types, dimension styles and tag families instead of picking an unrelated replacement.
4. Select rooms again and check the configuration before generating.

Presets store configuration, not selected rooms or credentials. Keep a copy of an accepted office preset before changing it. **Cancel** or closing the setup window is not the same as generating documentation.

9. Quick troubleshooting

What you see	What to do
Selected-room count is unexpected	Check Select checkboxes and filters; highlighted text is not a checked room
A room is unavailable	Check that it is placed, enclosed and belongs to the active document
Template, titleblock or tag is missing	Load the intended resource into the project, then resolve the mapping
Drawing will not fit	Check titleblock format, margins, gaps, scale and template settings
Elevation height was skipped	Check actual bounding floor/ceiling faces and Areas and Volumes; read the message
Tags or dimension text overlap	Review placement and the office family/style; adjust manually if necessary
Another run created more views	Generation creates a new set rather than updating the old set
Panel is missing or duplicated	Check the package for your Revit year. Contact support before changing add-in registrations

For support, include the RoomDocs version, Revit year/build, exact steps and a screenshot of the problem. Use a neutral sample where possible and remove confidential customer/project information before sharing. For help, visit **https://bimmeister.com/** and choose **Contact**.

10. Before issuing the documentation

Confirm the intended rooms are present, names and numbers are correct, crops and scales are suitable, sheets are readable, references and values are meaningful, and annotation overlaps are resolved. Review every exported page. RoomDocs is a free add-in, but automatic generation still requires the same professional drawing checks as manually prepared documentation.

Final check

Check	Before issuing
[ ] Rooms	Only intended rooms included
[ ] Views	Correct room, orientation, crop and scale
[ ] Annotations	Values, references and overlaps checked
[ ] Sheets	Names, numbers, margins and titles checked
[ ] PDF	Every exported page inspected
[ ] Preset	Accepted configuration saved separately

11. Field reference

This reference supplements the step-by-step guide. Use it to choose settings for the drawings you want to create. Labels are shown in English so you can match them to the interface. Project resources such as view templates, tag types, line styles and titleblocks must already be loaded in the active Revit project when a control asks you to choose one.

Rooms: filters, selection and sorting

Control or action	How to use it
Filter by parameter and **Filter text (contains)**	Two parameter/text pairs are available. Choose a room parameter, then type a value fragment. The list filters by whether the parameter contains that text. Use both pairs to narrow the list further.
Select	Tick the checkbox to include a room. Filtering and sorting preserve checked rooms, including rooms temporarily hidden by the filters. The selected count reports the checked rooms.
Sort by **Room name** or **Number**	Click either column heading to sort ascending; click the same heading again to reverse the order. Sorting does not change which rooms are checked. The **Select** heading is not a sort control.
Space key	With a room row focused and the checkbox itself not focused, press Space to toggle that row.

Example: To locate rooms on level 1 with numbers beginning H-, set one filter to a level parameter and its value fragment, then use the second pair with **Number** and H-. Check the intended rooms and confirm the count; do not infer selection from row highlighting.

Documentation: advanced drawing controls

Open **Advanced** to configure drawing families of settings. Each group affects only the relevant view rows, except plan rotation and Room 3D settings as described below.

Control	Meaning and practical use
Floor plan crop offset (cm)	Expands the floor-plan crop beyond the room boundary by the entered offset. Start with a small value and inspect the crop around doors, fixtures and nearby geometry.
Floor plan **Create filled region** and line-style choice	Adds a filled region associated with the floor-plan crop using a loaded filled-region type and selected detail-line style. Choose a graphic that reads clearly over the plan; check the result in Revit.

Control	Meaning and practical use
RCP crop offset (cm)	Expands the ceiling-plan crop beyond the room boundary. It does not change floor-plan crop settings.
RCP **Create filled region** and line-style choice	Controls the filled region and its line style for ceiling-plan rows. These choices are separate from the floor-plan group.
Elevation crop offset (cm)	Adds space around generated interior elevation crops. If the crop cuts off a fixture or finish edge, increase the offset modestly and review again.
Minimum wall segment width	Sets a lower width threshold for elevation segments. For **Elevations - walls**, shorter boundary segments are omitted when below this threshold. The threshold also applies to marker-generated elevation width checks. Use the project length units displayed by the interface (cm in metric projects, ft in imperial projects); do not treat it as a minimum room width.
Elevation **Create filled region** and top/bottom/left/right line-style choices	Applies the filled region option and individual edge line styles to both elevation types. Select loaded styles that are legible at the intended sheet scale.
Elevations - marker	Places an elevation marker for the room and creates marker-based views in the marker's directions. Use this when you want the marker-driven set of views. The row's view template and naming still come from **Views & names**.
Elevations - walls	Creates views from eligible room boundary wall segments. The minimum segment-width threshold filters short segments. Use this when the desired views should follow individual qualifying walls.
Plan rotation	Choose whether room-aligned plans are rotated. Rotation is also used to define the local axes for Room 3D. If a room boundary has no usable straight segment, Room 3D falls back to an unrotated frame.

Example: If a wall-based elevation is created for a short return that is not useful on the sheet, raise **Minimum wall segment width** enough to exclude that segment, then inspect all affected rooms. Keep the threshold low enough to retain meaningful walls; it is shared across the configured elevation generation, not a per-wall override.

Room 3D camera and clipping

The Room 3D group supplies shared camera, clipping and scale settings for Room 3D rows. Give each row its own name and view template under **Views & names**. The camera choices are room-relative: **Back left**, **Back**, **Back right**, **Left**, **Right**, **Front left**, **Front** and **Front right**.

Control	Meaning and practical use
Direction	Select one of the eight room-relative directions to choose which side of the room the camera faces from. Try an adjacent direction when a wall hides important contents.
Open ceiling automatically	Looks for an actual ceiling, floor or roof underside above the room and lowers the top of the 3D section box to open the view. If no suitable cover is found, the automatic adjustment is not applied.
Top cut (mm)	Lowers the top of the section box by this amount. With **Open ceiling automatically** enabled and a cover detected, the cut is measured down from that cover underside. Otherwise it is measured down from the room solid top. Use a modest cut to reveal the room interior while retaining enough upper context. A cut that removes nearly all room height is rejected.
Cut camera-facing walls and **Front cut (mm)**	When enabled, moves the section-box planes on the camera-facing sides inward by the specified front cut. This opens the view from the selected direction. A cut that leaves almost no room width or depth is rejected.
Room margin (mm)	Adds horizontal clearance around the room section box. Increase it only when nearby contents need to remain visible; a rectangular box may include adjacent geometry around an irregular room.
Bottom margin (mm)	Extends the section box below the room's lowest sampled geometry. Use a small value to retain floor context.
Camera elevation (°)	Sets the camera's elevation angle. A higher angle shows more of the floor; a lower angle gives a more eye-level view.
View scale 1 :	Sets the intended 3D view scale. A view template that controls scale takes precedence, so review the resulting view when a template is assigned.

Example: For a view from the front-left corner, start with **Front left**, automatic ceiling opening on, a small **Top cut (mm)**, and **Cut camera-facing walls** on. If the camera-side opening removes too much wall, reduce **Front cut (mm)**. Check the final section box and crop in Revit; irregular room geometry can make the box include neighboring elements.

Tags: targets, placement and existing tags

Use Tags to configure one rule per category for FP (floor plans), RCP (ceiling plans) and EL (elevations); room tags support FP/RCP only. A category without its own family can use a loaded Multi-Category tag. Edge-on doors/windows are skipped in elevations. Position per category: Auto, Centre, Above, Below, Left, Right.

Setting	Meaning and practical use
Category and loaded tag family/type	Enable a category and choose a compatible loaded symbol. A category without its own family can use a loaded Multi-Category tag. Load missing families in Revit and reopen RoomDocs.
FP, **RCP**, **EL**	Choose which generated 2D drawing types receive that category's tags. Do not enable a target unless a matching view row is enabled.
Leader	Creates the tag with a leader. Review its connection and any crossings after placement, before issuing drawings.
Orientation: Horizontal or Vertical	Orientation sets Horizontal or Vertical. The Position column offers Auto, Centre, Above, Below, Left, Right per category.
Existing tags	Existing tags for the same room/element in a view are retained and not duplicated by this operation. They can still overlap newly placed tags, so review the result.
Doors and windows	A door or window is considered for either room adjoining it in the view's phase. This can result in a tag in each adjoining room's generated view. Other element categories are associated with their owning room.
Placement review	Placement checks nearby tag bounds and crop boundaries and tries a set of nearby positions. It cannot guarantee a collision-free drawing; inspect tag graphics and leaders manually.

Example: For door tags on floor plans, enable the **Doors** category, choose its loaded tag type, tick **FP**, and leave other targets off. Enable **Leader** and review its connection after placement. Review both sides of a shared door because each adjoining room may be documented.

Dimensions: per-drawing choices

Under Dimensions, enable dimensioning, tick a supported drawing row and choose directions independently. Each row has its own positions, loaded linear dimension style and offset.

Setting	Meaning and practical use
Drawing row	Tick a generated floor plan or elevation. Ceiling plans and 3D views are not supported dimension targets. Rows that are inactive or unsupported cannot be selected.
H and **H position**	H measures room width. Positions: Bottom (inside), Centre, Top (inside), Below room (outside), Above room (outside).
V and **V position**	V measures plan length or elevation height. Positions: Left (inside), Centre, Right (inside), Left of room (outside), Right of room (outside).

Setting	Meaning and practical use
Linear dimension style	Select a loaded linear Revit dimension style. The style determines the displayed units and formatting.
Offset mm	Inside: offset within room. Outside: beyond wall face. Tight crop: RoomDocs uses inside; review lists extra crop offset. 50-2000 mm.
Existing dimensions	Existing dimensions are retained. Check for duplicates or overlaps with the newly created dimensions.

Example - width only: Tick H, choose Bottom (inside), and leave V off. Select the office linear style and an Offset mm such as 200. For elevation height, use V with Left (inside), Centre or Right (inside); actual bounding floor/ceiling faces and Revit Areas and Volumes computation are required.

Dimensioning is supported for rooms with a rectangular room-boundary arrangement and aligned local walls. It is not a general dimensioning tool for arbitrary room outlines. Inspect the references, values and overlaps in each generated drawing.

Names, retained settings and portable presets

Item	What it does
View name	Combines the row's literal prefix, selected room parameter, separator and suffix. For room number H-103, prefix RD_, parameter **Number** and suffix FP produce RD_H-103_FP.
Sheet number	Use a literal prefix such as RD-, a start number such as 1, and padding such as 000 to produce RD-001. Sheet number and sheet name are configured separately. Check generated names for collisions.
Last-used settings	RoomDocs retains many interface settings on the same user's Revit setup for a later session. These are convenience defaults, not a file you can carry to another workstation or project.
Save preset / **Load preset**	Save or load an explicit .roomdocs.xml configuration for documentation and sheet settings. A preset does not store checked rooms or credentials. Project resources are identified by their names; when a resource is missing, map the intended replacement explicitly and verify it.

Example: Save an office preset with the preferred view rows, names, tag/dimension options and sheet layout. In a new project, load the preset, resolve any missing templates or types, select rooms again, and review all settings before choosing **Generate**.

What's new in 1.1

bimMajster RoomDocs 1.1.0

Tags

20 categories (new: casework, specialty equipment, generic models, electrical equipment, lighting devices, data, communication, fire alarm, nurse call and security devices, sprinklers). Categories without their own tag family can use a loaded Multi-Category tag.

Position per category: Auto, Centre, Above, Below, Left, Right. Labels avoid existing tags, dimensions, text, elevation markers and the tagged element. Doors and windows seen edge-on in elevations are skipped. Room tags are off for ceiling plans by default.

Dimensions

New outside positions: below/above the room and left/right of the room, at the chosen offset. If the crop is too tight, the line is placed inside and the review lists the extra crop offset needed.

Fixed: plan dimensions were skipped in newly generated views ("not measurable/visible").

The default style is a plain linear style.

Interface

Live view-name preview; separators are no longer doubled ("_" is not added when the suffix starts with a separator).

Larger window; room list uses the window height; Select all shown / Clear selection.

Ceiling plans without a template use the floor plan's scale and hide elevation markers.

AI agents and automation

Public API **Interior_View_Generator.RoomDocsApi**: **Capabilities()**, **InspectRooms(doc)**, **Generate(doc, requestJson)**. JSON in/out, dry run, optional tag and dimension rules per request, no dialogs, one Undo step. Works with Revit MCP servers, pyRevit, Dynamo or other add-ins. See AGENT-API.md.