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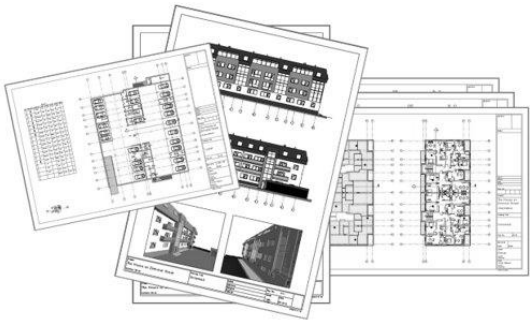
AGACAD Smart Documentation

Value Proposition

Making 2D drawings of BIM models in plain Revit is inefficient.
Do it at least **2x faster** with the Smart Documentation plugin.
Focus on designing instead of paperwork.

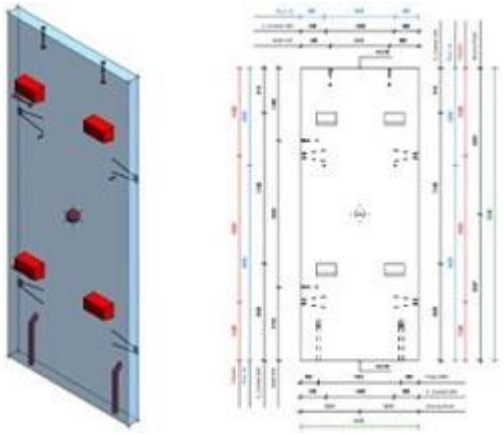
Escape the misery of repetitive tasks



Even if everything is modelled in 3D when creating BIM projects, 2D drawings are still needed for manufacturing and construction.

Manually generating design drawings takes a lot of time because it means placing views, legends, and schedules on sheet after sheet after sheet. With Smart Documentation tools, you can avoid all of this.

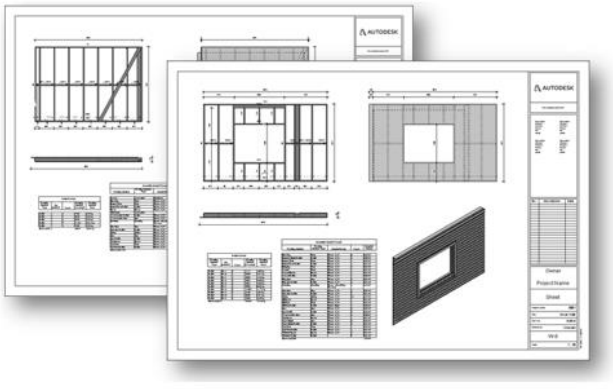
Automate the creation of high-quality documents



Save time and generate drawings the way you want, replacing hours of drafting with just a few clicks.

Quickly create shop drawings with plans, elevations, sections, various large-scale construction details, and assembly views in accordance with industry standards, including dimensions, annotation tags, text notes, legends, and schedules.

Complete projects on time & meet deadlines easily



Change architectural, structural and mechanical drawings to 100% construction drawings with ease.

Smart Documentation lets you generate detailed construction drawings during Design Development (DD) and Construction Documents (CD) stages much smarter and faster.

Do more with less efforts

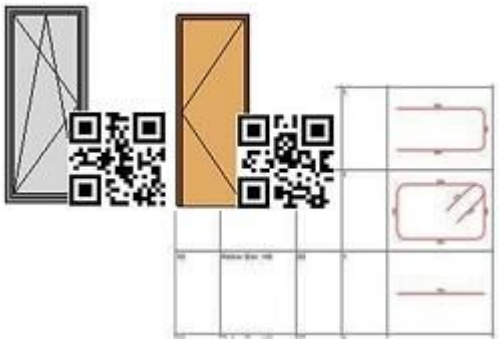
Smart Documentation saves time by automatically:

- ✓ Placing dimensions
- ✓ Placing tags
- ✓ Creating views
- ✓ Creating sheets
- ✓ Creating Assemblies & Assembly views
- ✓ Numbering / marking elements
- ✓ Creating legends
- ✓ Representing Excel data in Revit drawings

Create detailed legends and schedules quickly

Smart Documentation automates everything, ensuring your drawings and schedules are precise & error-free. Easily create custom tables with all necessary components: auto-generate rebar images with segment values and unique QR/Barcodes for elements with associated info.

With automation, create the necessary project views at least 2x faster, and up to 10x faster make legends or renumber elements according to any project changes.



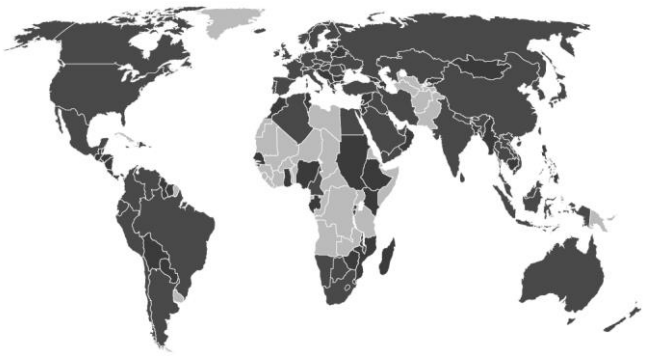
Suitable for a variety of industries & disciplines

Quickly create accurate construction drawings from 3D architectural, structural, and MEP models.

Total integration with Revit lets you generate high quality content, including auto-dimensioned and auto-tagged views in a matter of seconds.

Close partnership adds value

AGACAD has been part of the AEC industry for more than three decades now. Through years of customer consultation and product testing, we have simplified and perfected the construction documentation process. Our being part of the Arkance Group and having a large network of partners around the world ensures that you get timely support.



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Confident in what we say.

Here is an **example of various documentation tasks** in a real project.

Stage	**TASK NAME** creating 4-storey apartment building	**Time using plain Revit (min)**	**Time using Revit + Smart Documentation (min)**
Views	Create views for 10 elements (3D view, Plan View, Sections, Elevations)	30	2
	Create tagged & dimensioned views for 10 elements (3D view, Plan View, Sections, Elevations)	60	10
	Update views when changes are made to 10 elements	30	5
Assembly Views	Create 1 assembly with assembly views & schedules (with applied view templates)	0,5	0,1
	Dimension & tag Assembly Views	4	1
	Update 1 Assembly, its Views & Sheets when changes are made to Assembly	3	0,5
	Place assembly views onto sheet	2	0,2
Numbering & Tags	Renumber 20 grids when new grids are added or naming is inconsistent	4	0,25
	Create specific mark for elements & mark 100 elements	5	0,1
	Mark 100 elements with specific mark by selecting them one-by-one	15	3
	Fill 100 door' swing direction in parameter value	5	0,1
	Fill coordinate/elevation values in parameter value for any of 100 elements	15	0,1
	Batch tag 100 elements in view according to rules, filter elements by tag or by parameter value, specify tag position, use multiple tags for same category elements	15	2
	Move 100 tags that intersect/overlap	5	1
Dimensions	Create dimension chains for 10 parallel elements	5	0,5
	Dimension 1 façade of the building	4	1
	Add 100 dimensions in view (dimensions between elements)	10	2
	Add 100 dimensions in view (dimensions of elements, to the closest structure: wall, floor, column, etc.)	15	3

Legends & Data	Create tables with images using parameter from families and calculating totals. Use real images in Legend Views, arrange tables vertically & horizontally, combine multiple families, use linked elements, split across pages.	60	3
	Import MS Excel spreadsheets into Revit projects, including style settings	40	1
	Update Revit table per changes made in Excel	20	0,5
Sheets	Create 4 sheets for repetitive levels exactly according to the template sheet (position of viewports)	10	1
	Add new views to already-created 4 sheets (position in sheet must be the same)	3	0,5
	Update 4 sheets replacing views, legends & schedules with new ones	3	0,5
	Distribute many views (40 pcs) on sheets in set order	15	1
	TIME spent on all the above steps:		
	minutes	379	39
	hours	**6,3** *using plain Revit*	**0,65** *using Revit + Smart Documentation*

Table shows time per task, not total project documentation time (which depends on the number of recurring tasks).

Important!

The above time estimate does not include the time needed to learn how to use Smart Documentation or how to create, test, and adapt configurations according to company needs. These activities can take around 10 hours, depending on the engineer's proficiency in Revit, company' standards, project complexity, etc.

Several hours invested into the configurations can **save hundreds of hours per year** in project documentation.


Tools for Different Purposes


Efficiency


Time-Saving Automation


High Quality


Easy To Learn


Qualified Support


Guaranteed ROI