



A Structural & Architectural Workflow Guide

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History



Bluebeam Revu has taken the AEC industry by storm – it has been adopted by 92 percent of the top US design firms with over two million users worldwide. Bluebeam as a company was launched back in 2002 by a group of engineers who were looking for a better solution for exporting and rendering documents.

In the early days of Portable Document Formats (PDF), the set standard for creating PDFs was separate from design software and your typical Microsoft office suites. A few engineers solved this issue with their own plugin.

This is when the company Bluebeam was formed and why most Revu users refer to Revu as Bluebeam. Revu was released in 2005 and is a PDF markup and collaboration software released for portable document formats specific to the AEC space.



BLUEBEAM® REVU® 20

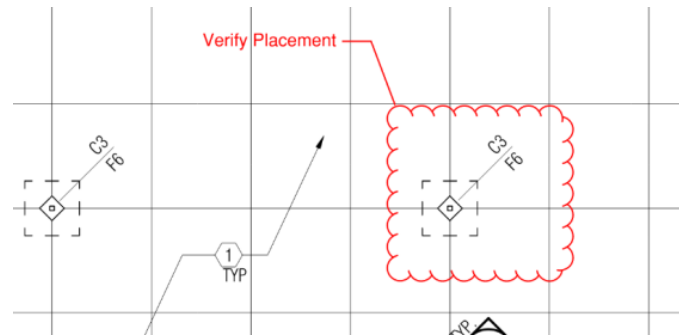
Revu is a best-in-class PDF markup and collaboration tool used by architects, engineers and contractors throughout a building project's lifecycle. This tool enables users to finish projects on time, every time with a centralized solution to create, share and mark-up PDFs. Revu's interface is intuitive and easy to navigate, with easy access to the key features you need to be more efficient and successful.

Bluebeam offers Revu in three different editions: **Revu Standard**, **Revu CAD** and **Revu eXtreme**.

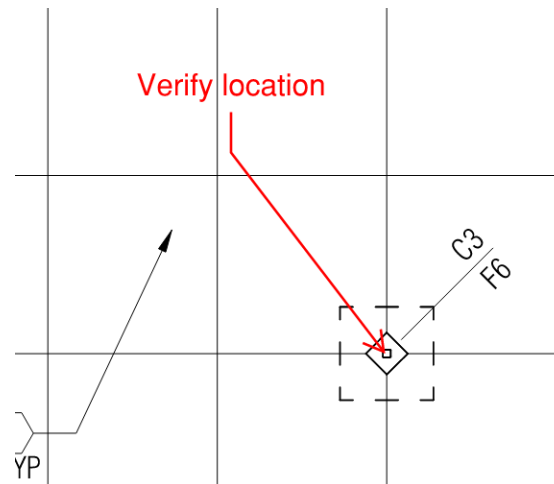
If you are looking for an edition comparison video, [check out the video I made](#) to help you make an informed decision. Remember, you can always [reach out to us](#) if you'd like to have a conversation about which edition is right for your needs.

Project Review Benefits

During a project review, you may be accustomed to using non-helpful markup tools from old software. With Revu, you are empowered to create a more efficient review process, saving you time with fewer clicks and saving your modified markups. Some helpful markup tools are the cloud + and the callout tool, featured below.



The Cloud + (Hotkey, K) already comes with a comment box associated to the revision cloud.

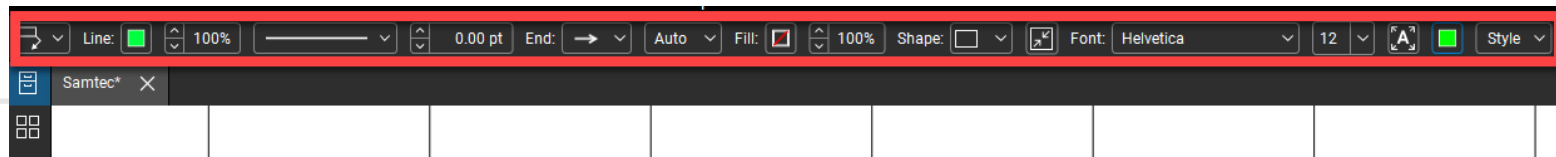


The Callout (Hot key, Q) comes with a comment and a leader already attached to it. Addition leaders can be added to it by simply selecting the markup, right-clicking and selecting add leader.

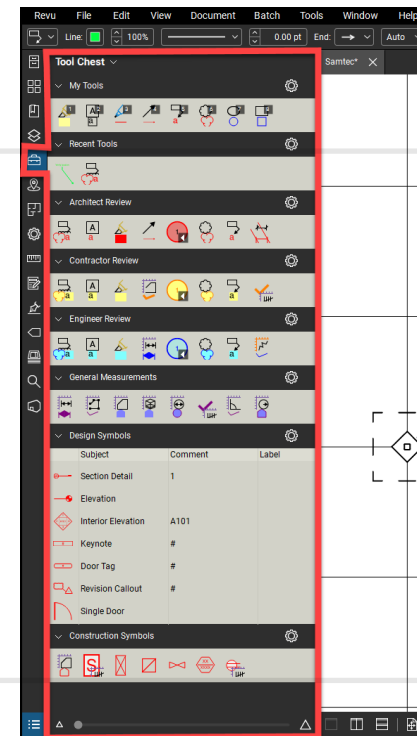
Project Review Benefits (continued)

Measurements

While placing any markup, you'll have the option to modify the way your markup looks with the options bar. I like to call this tool the dynamic options bar, since the options change per the type of markup you are using (the options can also be found in the properties panel). Another important part of the options or properties of the markup is the subject data, which plays a big part in your markups list. We'll briefly talk about this later. (Tip: [watch this video](#) on the markups list.)




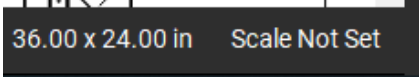
Revu equips users for success and enables them to modify its easy-to-use markup tools. Once modified, you can easily save these markups in the Tool Chest Panel to be reused later. This eliminates the need to copy them over from an old set, or worse, recreating them each time you have a new set to review. If you want more info on how to do this, [watch this video](#) or [contact us](#).



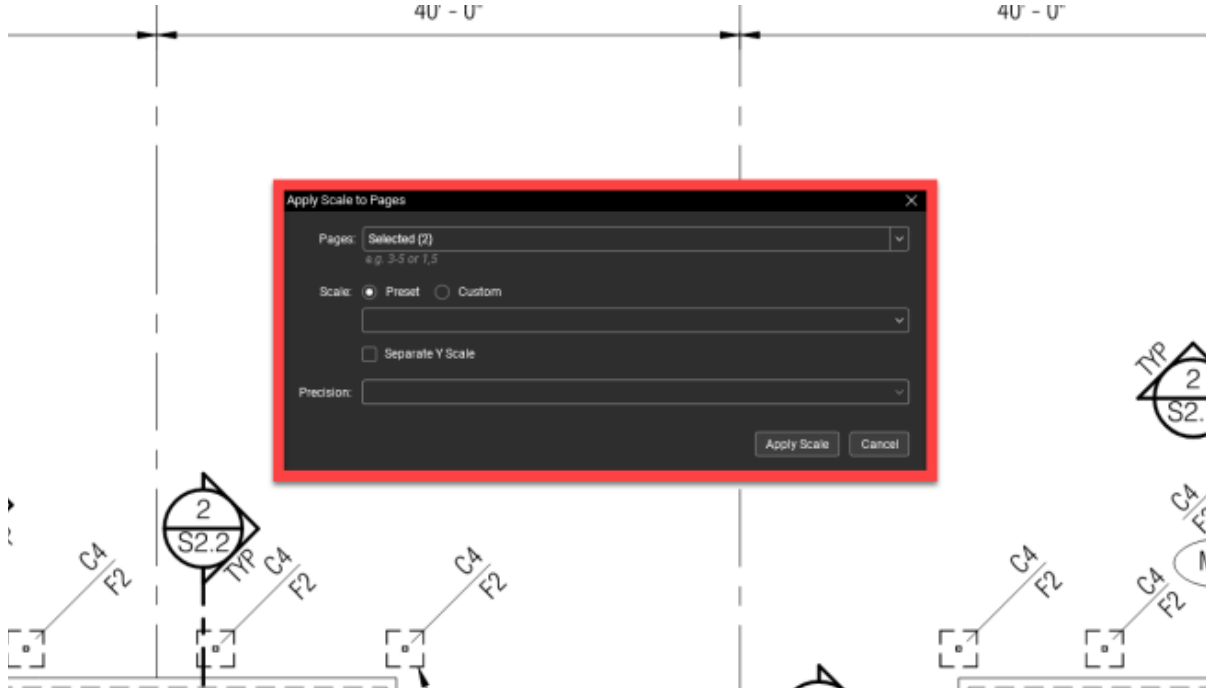
Project Review Benefits (continued)

Stamps

Revu offers the ability to apply a set scale to a document, enabling you to verify and add to-scale measurements. To do this, select the **calibration**

tool . You can also do this by selecting the **scale not set icon** in the lower right corner of your navigation bar  36.00 x 24.00 in Scale Not Set

or from your **measurement panel** . Next, a window will populate to set a scale (below).



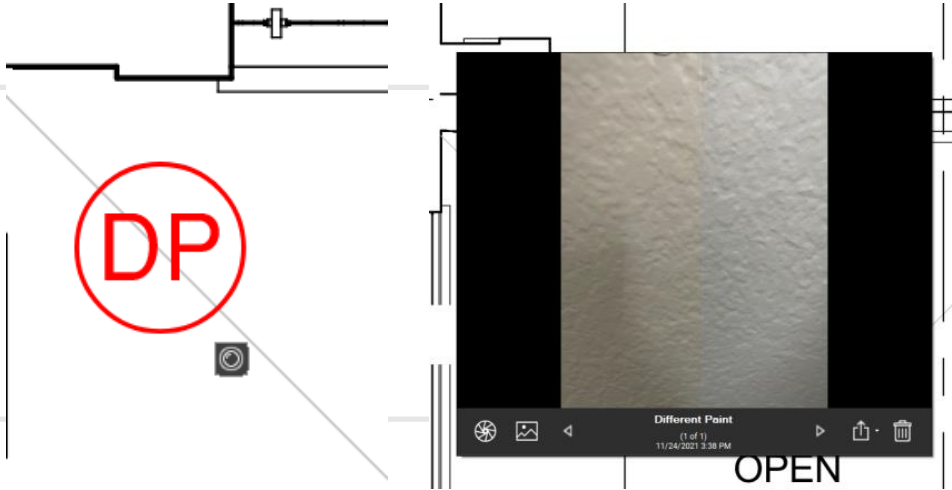
Verifying measurements is key in any project review workflow. Revu gives you all the necessary tools to successfully accomplish this task. If you want more info on how to do this, [watch this video](#) or [contact us](#).

Punch List Benefits

Revu is not *just* a comment and markup solution, it is so much more. Another way to use Revu is for your punch walkthroughs. You can create custom symbols that host data to them. One example is a paint touch up Punchkey, shown to the right.

	Subject	Comment	Label
	Painting	Painting: Touch Up	
	Painting	Painting: Uneven Surface	
	Painting	Painting: Different Paint	
	Painting	Painting: Bubble on Surface	
	Painting		

After placing a punch, you can even attach a photo or any necessary content to the symbol you have placed. In the example, you will see the symbol placed with a new eyeglass icon displayed next to it. When you click on the eyeglass, the photo displays.





Punch List Benefits (continued)

The photo can be attached to the symbol from either a file or a camera, which is a fantastic solution for a mobile device when you are out in the field doing a walkthrough. You can then tie this in with a summary report from the [Markups List](#) and attach running statuses of any changes to the Punch item, allowing you to keep track of where it is in the review process. These statuses can even change the color of the markup to give you a visual indication of when they are closed.

A1.2.0 - 2ND FLOOR REFERENCE PLAN.pdf Markup Summary

Painting (1)

	<p>Subject: Painting Page Label: 1 Author: mechave Date: 11/24/2021 3:46:24 PM Status: Review: Completed set by mechave on 11/24/2021 at 3:46:18 PM HED statuses: Open set by mechave on 11/24/2021 at 3:46:10 PM Closed set by mechave on 11/24/2021 at 3:46:24 PM Color: ■</p>	<p>Painting: Different Paint</p>	
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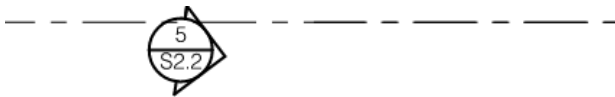
Revu allows you to create these symbols and save them in a Tool Set, where they live in your Tool Chest. They can then be shared and exported to your fellow teammates to help set a standard markup convention. These Symbols can also have a set scale to them, which means when they are used, the symbol will scale with the desired scale of the PDF. If you want more info on how to do this [reach out to us](#).

PDF Management

Managing PDFs can be a daunting task - clicking endlessly to edit, combine, slip sheet, export or even rearrange sheets. Revu empowers users to do all those tasks with less clicks, so you can get back to doing other tasks during your review process. You can easily bring new PDFs into a revised set and bring all your old markups over in one easy command called Slip Sheet. You can even rotate pages by portrait or landscape, so you don't have to go searching for specific pages that are not landscape. Revu will do all the searching for you and rotate them to your desired orientation.

Exporting

Revu can export PDF vector data by either page region or entire document. Export out to either Excel, Word or PowerPoint. Talk about streamlining a process! For example, when you need to get a door or footing schedule out to Excel quickly, instead of typing the data, simply export it directly into Excel.



FOOTING SCHEDULE			
MARK	SIZE	BASE PLATE	REMARKS
F1	1'-6"x12"xCONT.	2-#4 CONT.	
F2	2'-6"SQx12" THK.	3-#5 EA. WAY	
F3	3'-6"SQx12" THK.	4-#5 EA. WAY	
F4	4'-0"SQx12" THK.	4-#5 EA. WAY	
F5	4'-6"SQx12" THK.	4-#5 EA. WAY	
F6	5'-6"SQx12" THK.	5-#5 EA. WAY	
F7	3'-0"x12"xCONT.	4-#4 CONT.	

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F4	4'-0"SQx12" THK.	4-#5 EA. WAY	
F5	4'-6"SQx12" THK.	4-#5 EA. WAY	
F6	5'-6"SQx12" THK.	5-#5 EA. WAY	
F7	3'-0"x12"xCONT.	4-#4 CONT.	

This is also useful when using the find and replace tool in Revu. Find, replace and export the modified data back into Microsoft Word. If the Word Document is accidentally deleted, you can recreate the Word Doc from the PDF.

PDF Management (continued)

Bookmarks

Bookmarks are useful for managing and navigating a large set. You can quickly create these from the design software with the Revu add-in or from within Revu. In just a couple steps, you can create bookmarks for over 100 pages by selecting a region of data directly from the title block.

DRAWN BY: M.J.E
JOB NO: 1724
DATE: 2019.03.13
REVISIONS

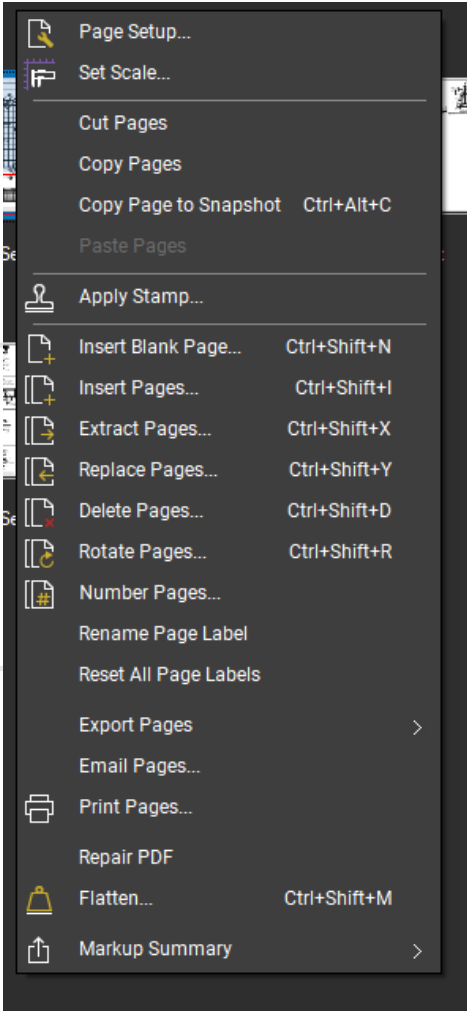
FOUNDATION PLAN
S1.1
CONSTRUCTION DOCUMENTS

Bookmarks [dropdown] [icon] [icon] [dropdown]

- S0.1_STANDARD STRUCTURAL NOTES
- S1.1_FOUNDATION PLAN
- S2.1_FOUNDATION DETAILS
- S2.2_FOUNDATION DETAILS
- S3.1_ROOF FRAMING PLAN
- S4.1_ROOF FRAMING DETAILS
- S4.2_ROOF FRAMING DETAILS

These bookmarks can even be used after to create page labels and a page index with hyperlinks to each page.

PDF Management (continued)



Revu allows you to edit and manage your PDFs more efficiently than ever before. To the right you will see more empowering options, such as insert pages, extract pages, apply a stamp, etc.

Document management is just one part of the entire process. Revu allows you to streamline this process so you can allocate more time where you need to. If you want more info on document management watch this [video](#) or [reach out to us](#).

Studio

In our current climate, Cloud collaboration and storage has become a necessity in every firm. Consider Bluebeam Revu's powerful solution for document collaboration and storage. Some of us might already own a license of Revu but fall into the 40% of users not taking advantage of Studio, which comes free with every license and version of Revu.

There are two aspects to Studio: Projects and Sessions. With Studio Projects, you can store and share an unlimited number of PDFs and any other file type in the cloud. This enables you to bridge the gap from your remote work environments. You can also manage access rights for project collaborators to view and edit these files, enabling you to be selective with your consultants. Studio Sessions enables you to collaborate in real-time on 2D or 3D PDFs. Studio is in the Panel Access Bar of your Revu interface.

Studio Projects

In our current climate, employees are either fully remote or in a hybrid environment working at home, in an office or on a jobsite. These two use cases are excellent examples of where Studio Projects shines. For example, I am working on a project from my remote environment, but also need access to the latest if I go into the office or another colleague needs to work on the same project. With Studio, I can store this project in the Cloud, which has file locking. With file locking, you don't have to worry about someone else working on the project when you have it open. It is a check-in, check-out system. Additionally, it allows you to send that same project to a client, even if it is too large to send over email. You can simply send a share link for a client to download a copy. Studio Projects has no limitations to invites, file sizes or file types.

Studio Sessions

With Studio Sessions, you can collaborate on 2D or 3D PDFs simultaneously, eliminating the need to go to in-person coordination meetings. Sessions also has a running record report that lists everything that has taken place in the session - from chat all the way to the time someone joined the session. These detailed reports can be useful down the road. You do not have to worry about someone else overriding a markup in a document at the same time as you. When you make a markup in a studio session, the only person that can modify that markup is the original owner. If your project partners do not own a license of Revu, fear not. When you send an invite to someone it will prompt them to download a free trial of Revu. After the 30-day free trial it will turn into view mode. When in view mode the project partner can still markup a document in your studio session.

Feel free to check out our [YouTube videos](#) for a high-level overview of how to set up a Studio Project or Studio Session.

conclusion:

Revu is designed around the AEC industry and Bluebeam is always seeking new ideas for more solutions in Revu. If you are looking to learn even more about Revu, [register for ATG's Morning Coffee Revu](#) - happening every Tuesday at 8:30 a.m. CST! I am joined by Jason Artley, another Bluebeam Certified instructor at ATG, to talk about all things Bluebeam. Also, if you'd like a demo or have any other questions, [reach out](#) and don't forget to subscribe to ATG's social media to keep up to date on all things Bluebeam.



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Michael is a dedicated technical specialist assisting the AEC Industry with over six years of experience. With his detail-oriented approach and strong passion for success, he strives to find more efficient workflows and processes by utilizing BIM.

With his help, firms can create custom content and transition from AutoCAD to Revit. He has an Associate of Applied Science with an emphasis in Computer Aided Design. Michael has worked with Engineers and Architects to create construction documents for projects, including Commercial, Industrial, Residential and Structural.

He has experience with mechanical fabrication drawings and production sets. Michael also enjoys giving back - he won a design competition with Habitat for Humanity and he teaches his fellow industry colleagues how to become more efficient in BIM to make the software work for them, rather than against them.



Applied Technology Group is a Platinum Autodesk Business Partner. Founded in North Little Rock, Ark., in 1992 as a local computer services company, ATG has grown to become a leading design technology partner with the purpose of assisting customers in maximizing the value and adoption of advanced technologies so they can perform competitively in the AEC sector.

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