

Autodesk®
Design Review
2009

AEC

Features and Benefits

Accelerate your design workflows with Autodesk® Design Review software—the free,* integrated solution for reviewing, marking up, measuring, and tracking changes to building information models and drawings. Adopting Autodesk Design Review gives team members who don't use CAD easy access to designs and reinforces the use of the complete design data that the building information modeling (BIM) process delivers.

Optimize Your Software Investment with Digital Design Reviews

Easy to use and digital, Autodesk Design Review software powers effective design review and collaboration between creators of sophisticated models and drawing with reviewers. Design Review is integrated into all Autodesk® design applications, including AutoCAD® Architecture, AutoCAD® MEP, Revit® Architecture, Revit® MEP, and Revit® Structure and Civil 3D. Design Review, in combination with the built-in publishing all Autodesk design applications provide, enables you to communicate your design to almost anyone and then import design markups from those reviewers into the original application for easy updates to your project.

The following are some of the ways that Autodesk Design Review improves critical workflows to help architectural and engineering firms and their project teams gain that elusive competitive advantage.

Accelerate Review Cycles

Save two to three days per review cycle by using Autodesk Design Review software along with a Revit Architecture, Revit MEP, Revit Structure, Civil 3D, AutoCAD®, AutoCAD Architecture, or AutoCAD MEP applications to electronically review, mark up, and revise designs.

Enable Digital Back Checks

Reduce errors that cost time and money and affect your reputation by using Autodesk Design Review software for back checking. Enable team members to automatically track and review changes and the status of changes without waiting for printouts.

Effectively Show Designs in Client Presentations

Autodesk Design Review software enables clients and project stakeholders unfamiliar with complex CAD software to fully visualize drawings and models without altering the original file. You can include interactive drawings and models in Microsoft® PowerPoint® presentation graphics program slide sets for more effective presentations and “walk through” building models with clients so they can experience the project before it is built.

Document Construction Change Orders

Use the markup and status-tracking tools in Autodesk Design Review to track the changes required throughout the construction process.

Reduce Printing and Shipping Costs

Depending on the project size, thousands of dollars per job while enabling team members to fully participate in a digital design review process. Digital distribution means no more waiting for drawings to be printed and shipped or for markups to be scanned and then faxed back to the designer.

Key Features and Benefits

Publish

The ability to publish DWF™ files is built into every Autodesk design application. It is also available free* of charge when using third-party applications with the Autodesk® DWF™ Writer application (www.autodesk.com/dwfwriter-download).

NEW DWFx Native Support

Publish automatically to DWFx format from any design application based on AutoCAD, Revit and Civil 3D. With Autodesk Design Review software, extended team members using the Microsoft's Windows Vista® operating system can begin collaborating on drawings without installing any additional software. DWFx files are XPS compliant and can be opened, viewed, printed, and searched for in the Microsoft XPS Viewer, which is included on all Vista machines.

View and Navigate

Autodesk Design Review software offers a fast, efficient way to view and navigate complete drawing and 3D models, including detailed model structures and properties. Quickly navigate between sheets and views using embedded hyperlinks and bookmarks.

NEW Integrated Search

Autodesk Design Review software enables you to search models and drawings for text, drawing, and Revit or Civil 3D object properties and other metadata from within the DWF file.

NEW Autodesk Freewheel (Software as a Service) Support

Download the plug-in to publish DWF files automatically to the Autodesk® Freewheel™ web service. Freewheel enables your clients, consultants, contractors, and suppliers to easily and securely view, share, and print 2D and 3D building designs in a common web browser, on Mac® or PC, without installing any software applications.

NEW Customizable User Interface

Enhance team productivity with the improved user interface in Autodesk Design Review software, which can be customized to suit each user's needs.

ENHANCED Navigation Tools

Easy-to-use navigation tools, including pull-apart, sectioning, and animation, give you access to rich design data. Examine 3D objects and conduct virtual walk-throughs of architectural models using the navigation wheel.

ENHANCED Rotation Capabilities

You can now rotate any type of sheet or raster file before adding markups.

Design Document Comparison

Compare multiple versions of drawings in "light table" fashion, with versions laid on top of one another. Autodesk Design Review software automatically highlights additions and deletions. You can even customize your highlight colors.

AUTODESK DESIGN REVIEW FEATURES AND BENEFITS

Online Content Search

Drive productivity and process improvements through one-click access to online parts catalogs directly from Autodesk® Design Review software.

Full Design Intelligence

Access data integral to engineering and architectural design review, including drawing scale, sheet set details, and object and markup properties.

Embed Data in Microsoft Office Applications

Drag your designs into Microsoft PowerPoint or Word so that team members can see the design in presentations, construction documentation, change orders, and estimates.

Print

Rich printing options enable you to generate output that has the same print fidelity as the CAD application.

***ENHANCED* Batch Printing**

Autodesk Design Review software now enables you to print multiple DWF files, customize print settings, and save your batch printing configuration for later use with the Batch Print wizard. Save time by easily printing large numbers of DWF files overnight or as part of an automated process.

Preview, Select Preferences, and Print

Preview files before printing, and print files to scale with fidelity that matches that of Autodesk design software. Print options include Fit to Page, Print Current View, Tile Across Multiple Sheets, and Print Multiple Pages or Page Ranges. Easily select paper sizes, and preview the sheet or view to be printed before sending the DWF file to the printer.

Printer Integration

Autodesk partnerships with HP, Océ, KIP, and PLP, among others, make printing to your hardware device easier than ever. If you're connected to a supported HP Designjet® Color Inkjet Wide-Format Printer, select the HP Instant Printing feature to print an entire sheet set automatically rotated or scaled to best fit the printer roll size. You can also combine this feature with batch printing.

Mark Up and Annotate

Get everything you need for clear and concise markup and annotation, including redline, freehand, stamping, and custom symbol tools.

***ENHANCED* 2D and 3D Markup**

All viewing and markup features are available for both models and drawings. Markups made on models (3D) persist and are visible within the model view, making it more intuitive for team members to capture and review feedback.

Custom Stamps, Smart Shapes, and Freehand Markup Tools

Add custom symbols and comments to sheet sets and 3D views electronically, including familiar markup call-outs, standard shapes, freehand drawings, and text. Measure

Powerful 3D measurement tools include the ability to measure lines, polylines, areas, angle of radius, and point location.

ENHANCED 3D Measurement Tools

Use built-in measurement tools to measure distance, length, and angles in 3D models.

Locate points (based on the active coordinate system) and relative distance.

Measurements made on 3D models persist within the model view, remaining always available for reference.

User Coordinate Support

A robust built-in user coordinate system provides greater flexibility in measuring models.

Combine Project Documents

Drag project information into your DWF file to quickly and easily build a complete project file that includes product specifications, timelines, and more.

Combine All Design and Project Data

Share, review, and mark up on drawings and models—as well as project-related documents from Microsoft Office and other applications—in a single file. Design Review supports adding, deleting, reordering, and renaming sheets and models within the Navigator window. Publishing to DWF format from Office and third-party applications is simple with the free* Autodesk DWF Writer application.

Capture Graphical Information

Capture graphical information such as product specifications or color samples from the web or from other applications with the Snapshot tool, and then add it to your review set in Design Review.

Circulate Designs, Track and Import Changes

Increase team productivity with digital markup tools that allow reviewers' changes to be quickly and easily implemented in the Autodesk® design software.

ENHANCED Save and Import of All Markups (Now with DWFx)

Import markups from DWF or DWFx format into the original Autodesk design software.

You can systematically walk through a review set, navigating markups in the Markup Set Manager for fast, easy revisions in AutoCAD, AutoCAD Architecture, AutoCAD MEP, Revit Architecture, Revit MEP, Revit Structure and Civil 3D products.

AUTODESK DESIGN REVIEW FEATURES AND BENEFITS

Automatically Track All Markups

Automatically track your project's status with automatic recording of markups, text annotations, dimensions, review status, and notes.

Complete the Review Cycle

Save DWF files with markups, redlines, and annotations, and send them to the CAD user or other project team members.

Manage Markups in Autodesk Buzzsaw

Autodesk Design Review software is fully integrated with the Autodesk® Buzzsaw® on-demand collaborative project management solution. This integration makes it possible to instantly communicate changes to the project team and keep track of markup versions.

*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of the software.

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