

Form your own conclusions.

Revit®

Architecture 2009

Autodesk®

Simply a Better Way of Working

Revit® Architecture software works the way you think. The innovative building design and documentation system helps you work naturally, design freely, and deliver efficiently.

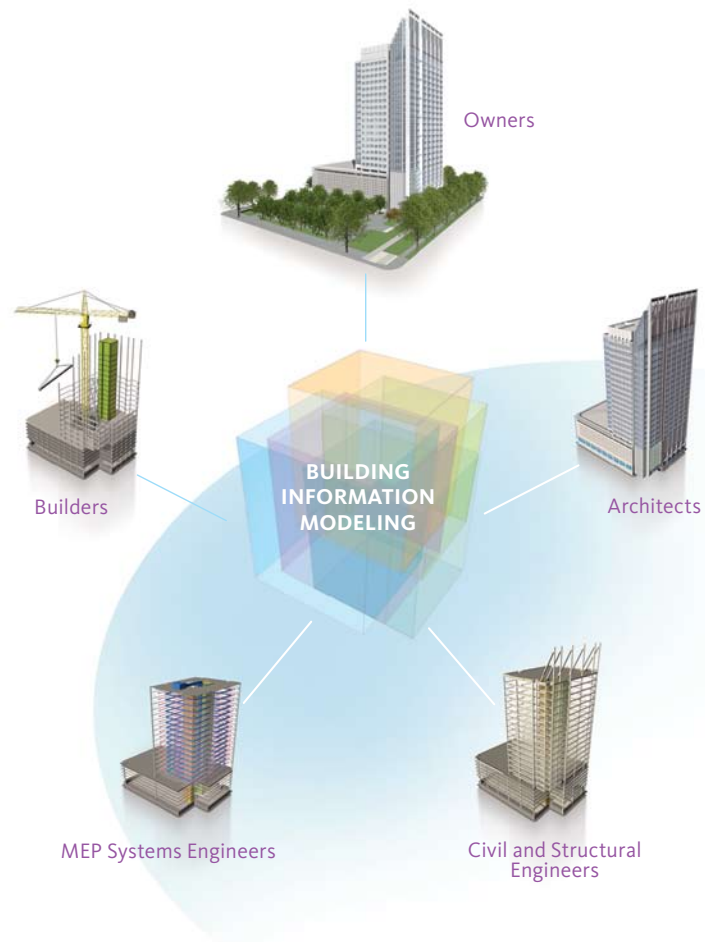
Building information modeling and Revit Architecture are key components of our larger strategy to provide a much more comprehensive and integrated service to our clients.

—Riaan de Beer
Senior Project Manager
Reno C. Negrin Architects

Building Information Modeling

Revit Architecture software is purpose-built for building information modeling (BIM), so it mirrors the real world of buildings, and helps you accurately capture your early design concepts. Drive your vision to reality through innovative design, accurate documentation, and efficient construction. Integrated bidirectional associativity helps to ensure that any change to your project

information is reflected throughout your model, while parametric components offer an open, graphical system for conceptualizing and expressing detailed design intent. More precise conceptual design better informs design decision making and enhances client understanding, while supporting more efficient and sustainable production, construction, and fabrication.



Building information modeling is the creation and use of coordinated, consistent, computable information about a building project in design—information used for design decision making, production of high-quality construction documents, predicting performance, cost estimating, construction planning, and, eventually, for managing and operating the facility.

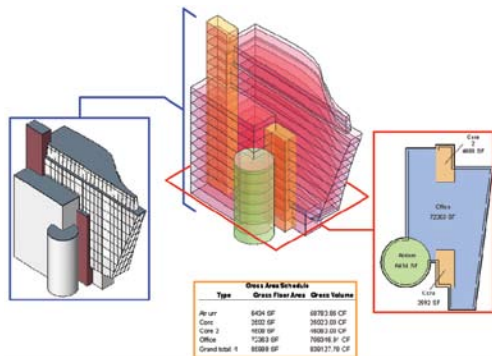
Design Thinking, Without Compromise

Revit Architecture helps you stay true to your creative and practical vision and accurately share it with others. Your design looks the way you want it to, even as it evolves.

Ever feel like it takes too long to find the right solution to your design problem? With Revit Architecture 2009, you can enhance your design efforts with software that helps you gain better insight earlier in the process. Get timely feedback on project design, scope, schedule, and budget. Support smarter, more sustainable design through the accurate analysis of materials, quantities, sun position, and solar effects. Provide vital BIM data for clash detection, construction analysis, and even fabrication—and avoid costly design mistakes and wasted efforts.

Building Maker

Access a better workflow for routine conceptual and schematic tasks. Easily create expressive forms to produce an overall massing study. Import conceptual massing from applications such as form-Z, Rhino, Google™ Sketchup™, and AutoCAD® 2008 software, or other ACIS®- or NURBS-based applications. Turn them into mass objects in Revit Architecture. Then select faces to design walls, roofs, floors, and curtain systems. You can even use tools to extract important information such as gross area per floor.

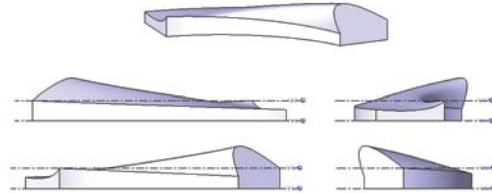


ENHANCED Design Visualization

The new design visualization feature in Revit Architecture helps you better experience your architectural projects, even before they are built. A proven, powerful tool with roots in the entertainment world—the mental ray® rendering engine—is available for your architectural projects. The advanced capabilities of mental ray in Revit Architecture enable accurate visualizations through the Autodesk® FBX® file format and easy interoperability with Autodesk® 3ds Max® Design 2009 software.

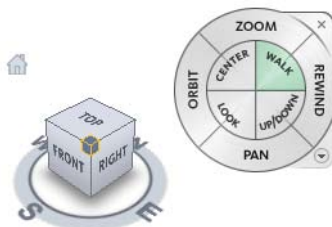
NEW Swept Blend

Extending the range of what is achievable during conceptual design and family creation, swept functionality offers more opportunity to express complex forms.



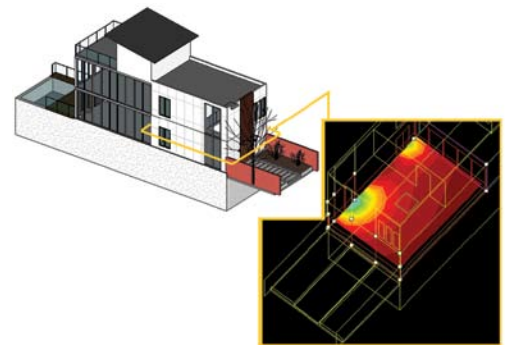
NEW Autodesk 3D UI

The Autodesk 3D UI includes ViewCube™ and SteeringWheels™ technology, two intuitive, interactive scene navigation tools that offer a familiar experience across multiple Autodesk 3D design products. The 3D UI enables you to navigate 3D scenes easily and effectively, regardless of your level of experience. Your extended team can apply the same software skills across different products and disciplines.



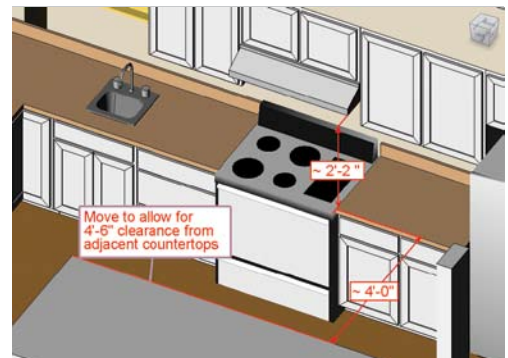
ENHANCED Interface to Energy Analysis

Export building information, including materials and room volumes, to green building extensible markup language (gbXML). Perform energy analysis and study building performance using services from Green Building Studio, Inc., and IES Ltd.



ENHANCED Design Review

Accelerate reviews with the free* Autodesk® Design Review software, the all-digital way to review, measure, mark up, and track changes to 2D and 3D designs without the original design creation software. Because the Design Review markup capabilities combine with Revit Architecture navigation and revision management capabilities, tracking changes is easy. There is no need to reenter information. This capability provides high-impact, dynamic communication of design information in a lightweight format. It is great for including nontechnical participants in the project review process.



Better for Your Business

Clients never expect less—they always want more.

Exceed client expectations with Revit Architecture software's timesaving workflow. Streamline your individual and team processes and deliver more complete documents and higher-quality designs. Win more business with clear and complete presentations. Integrate better with other Autodesk products in your workflow. With Revit Architecture, you keep your clients coming back.

Schedules

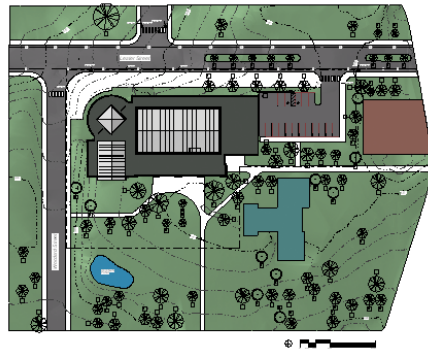
Schedules are just another view of the Revit Architecture model. Changes to a schedule view are automatically reflected in every other view, and vice versa. Functionality includes associative split-schedule sections and conditional filtering.

Interference Check

Use interference checking to scan your model for collisions between elements.

Site Terrain Surfaces

Provide site context for the building and create all contour lines and hatch patterns in sections and elevations, saving time and minimizing tedious hatching chores.



Material Takeoff

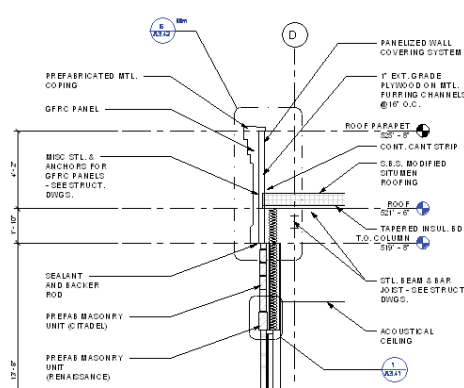
Calculate detailed material quantities with the Material Takeoff tool. Appropriate for applications such as sustainable design, and for checking material quantities in cost estimates, Material Takeoff simplifies the tracking of material quantities. As a project evolves, the Revit Architecture parametric change engine helps to ensure that material takeoffs are always up-to-date.

NEW Worksharing Monitor (Available Through Autodesk Subscription—English Only)

Manage team collaboration by gaining crucial visibility into the Revit platform's model sharing and synchronization process. The Revit worksharing monitor helps to bring remote model instances back into the central file, enabling project teams to choose the best way to synchronize and collaborate in order to meet project requirements.

Detailing

Take advantage of the extensive detail library and detailing tools provided in Revit Architecture. Presorted to align with the CSI format, detail libraries can be tailored to accommodate your office standards. Create and share your own detail library.



Central File Access			
Demo_House_10-0-local.RVT (Local)			
Central File: Demo_House_10-0-workshared.RVT			
Current User	Action	Progress	Step / Time Remaining
User B (yant)	Saving to central	<div style="width: 100%;"></div>	Saving changes to central
User C (lan)	Working in local		
User A (xiaoyu)	Saving to central	<div style="width: 100%;"></div>	Waiting

Editing Requests - 2 pending

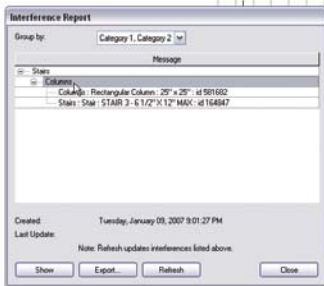
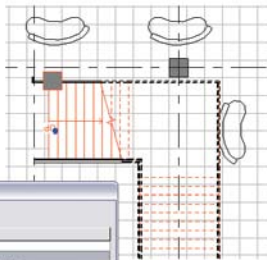
Notifications - 3 active

NEW Batch Printing (Available Through Autodesk Subscription—English Only)

Deliver printed document sets with greater ease and avoid costly, time-consuming printing errors. Revit Architecture software's new batch printing utility offers better management and improved document control to help ensure that your information is published on time, as expected.

Coordination Monitor

Coordinate changes across models. Work smarter with engineers from other disciplines. Monitor changes to grids, levels, columns, walls, and slabs. Approve or reject changes, and attach comments for review.



On Your Screen, the Way You Think

Revit Architecture helps drive your building designs forward, without getting in the way.

Work in any view. Design throughout the different phases of your process, and revise even major design elements as you progress. Create comprehensive design proposals faster. Use intuitive 3D views and instant shadows to realize your ideas as they evolve. Every change you make is automatically and instantly updated across all plans, schedules, and construction documents, helping to make versioning errors a thing of the past.

Stacked Walls

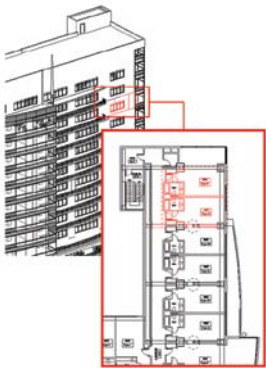
This wall type is ideal for walls of varying thickness and vertical materiality. Use Revit Architecture to stack different wall types and control them as one entity.

Family Editor

A graphical editing mode for the creation of Parametric Components, the Family Editor enables easy creation, customization, and direct loading of doors, windows, annotation types, and virtually anything else.

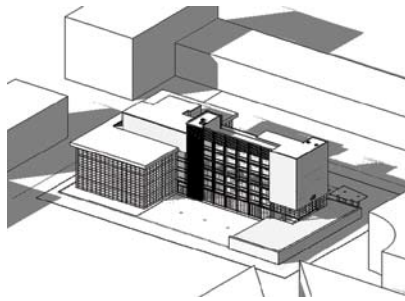
Revit Groups

Revit groups provide a modular design technique ideal for building types comprising many rooms of similar size, shape, or configuration such as hospitals, hotels, and apartment buildings.



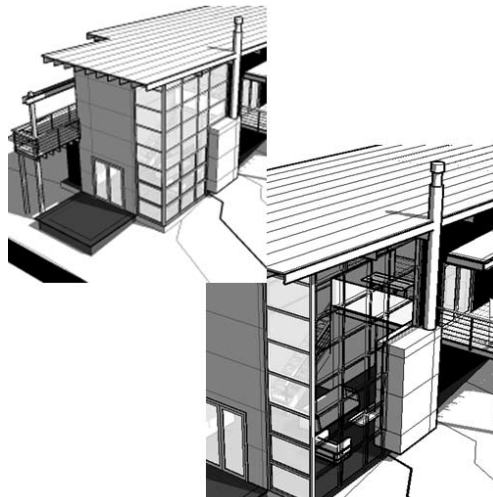
Sun Studies

Revit Architecture sun studies enable you to quickly analyze sun positions and solar effects while informing and influencing design strategy. Choose a specific date and time, or time frame, to generate a still or animated sun study.



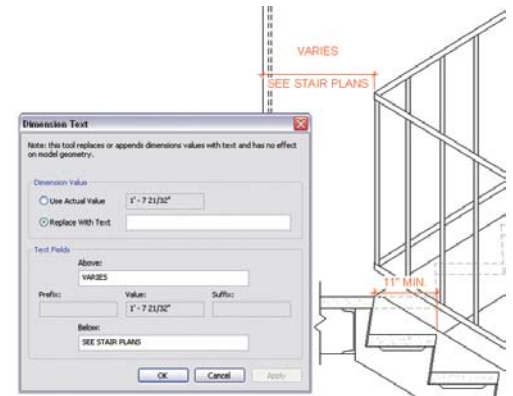
Graphic Overrides

Graphic overrides provide the ability to modify the graphic representation for a single element, thereby offering additional options for how elements appear in views. Graphic overrides also provide a visual method for hiding or revealing single elements or groups of elements by view. Settings are visually retained from session to session, reducing setup time in anticipation of plotting and printing.



ENHANCED Dimension Improvements

Dimension improvements offer new flexible options for expressing dimension text by conveying more than just length values in the dimension string. New dimension text enables you to add a variety of supplemental text to a dimension string without damaging the integrity of the building information model by overriding dimension values.



ENHANCED Revision Schedules

Enhancements give added flexibility and control to the display of revision schedules. New attributes enable you to reverse the direction of schedules and to control whether the schedule should build dynamically or be of fixed size. In addition, a new Issued By property has been added and schedules can be rotated on title blocks to achieve the various needs of individual firms.

ENHANCED Room Tag Improvements

Enhancements to the behavior of room tags offer new flexibility to project documentation, as well as tighter integration between rooms and tags. The ability to move room tags based on their proximity to the room origin and to tag all rooms that have not been previously tagged saves time, while free rotation of room tags invites new documentation styles.

In Revit Architecture every schedule, drawing sheet, 2D view, and 3D view is a direct presentation of information from the same underlying database. As you and your team work on the same building information, Revit Architecture automatically coordinates changes across all other representations of the project.

AutoCAD Revit Architecture Suite

AutoCAD® Revit® Architecture Suite is a bundle consisting of Revit Architecture and AutoCAD software with a single serial number and a single authorization code. This combination enables you to maintain your investment in technology and training, while offering the competitive advantage of building information modeling, and provides the flexibility to move to a new technology platform when you are ready. For more information, visit www.autodesk.com/revitarchitecturesuite.

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