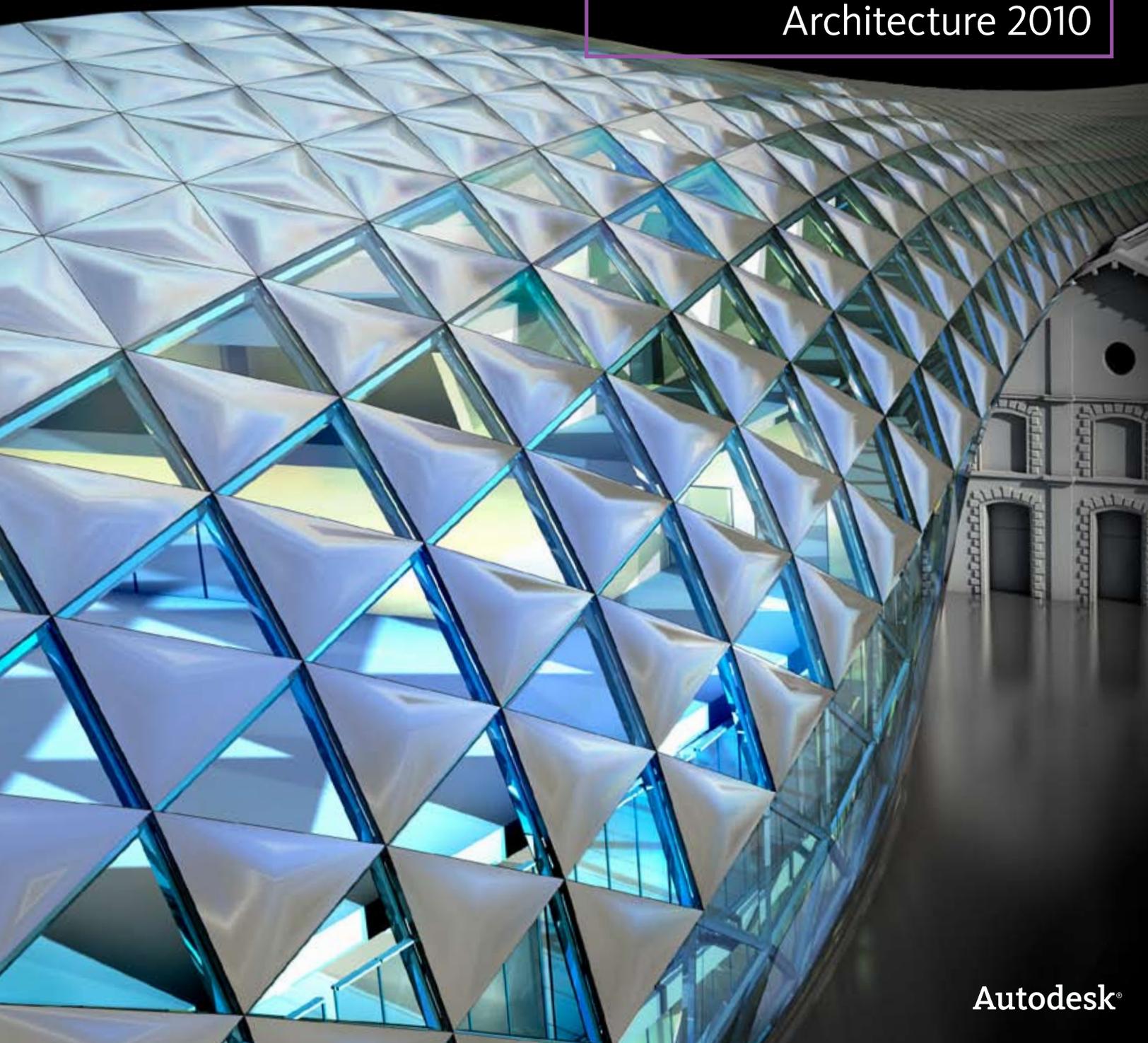


Design without compromise.

**Autodesk®  
Revit®**

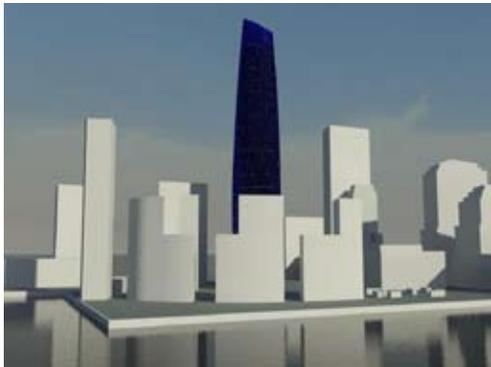
Architecture 2010



Autodesk®

# BIM—Simply a Better Way of Working

Deliver projects faster, more economically, and with enhanced potential for reduced environmental impact.



## AutoCAD® Revit® Architecture Suite— For Maximum Flexibility and Advantage



Combining AutoCAD®, AutoCAD® Architecture, and Autodesk® Revit® Architecture software applications into a single, comprehensive package, this suite allows you to transition to building information modeling (BIM),

while protecting your legacy software, training, and design data investments. Purpose-built for BIM, Autodesk Revit Architecture delivers a powerful competitive advantage by speeding creative design work, facilitating analysis for sustainable design, and automatically delivering coordinated, consistent documentation. Support ongoing work in either AutoCAD or AutoCAD Architecture while you make the switch to BIM with Autodesk Revit Architecture, at your own pace.

Autodesk Revit Architecture is purpose-built for building information modeling (BIM). BIM is an integrated process built on coordinated, reliable information about a project from design through construction and into operations. By adopting BIM, architecture firms can use this consistent

information throughout the process to design and document innovative projects, accurately visualize appearance for better communication, and simulate real-world performance for better understanding of cost, scheduling, and environmental impact.



**BIM helps architects stay competitive in an increasingly complex business climate by giving them the ability to better predict the outcome of a building before it is built. BIM enables architects to create more sustainable, accurate designs with fewer errors and less waste, which can result in higher profits and more satisfied clients. BIM also optimizes team collaboration because it enables architects to more clearly and reliably communicate design intent to engineers, contractors, fabricators, and owners.**

# Definitive Design

From conception to construction documentation, design projects within an intuitive environment.

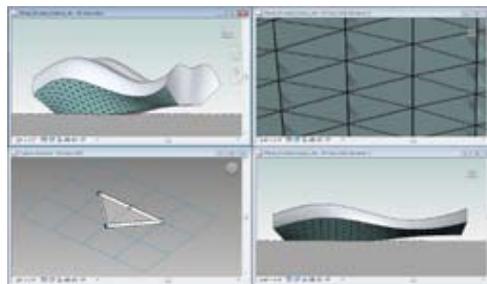
Building information modeling and Autodesk Revit Architecture are key components of our larger strategy to provide a much more comprehensive and integrated service to our clients.

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

Autodesk® Revit® Architecture software helps you explore your most innovative design concepts and forms at the earliest possible stages of your project, and maintain your vision through construction documentation. Purpose-built for building information modeling (BIM), Autodesk Revit Architecture provides superior support for sustainable design, clash detection, construction planning, and fabrication, while helping you work collaboratively with engineers, contractors, and owners. Any and all design changes along the way are automatically updated throughout your evolving design and documentation, making for more coordinated processes and reliable documentation.

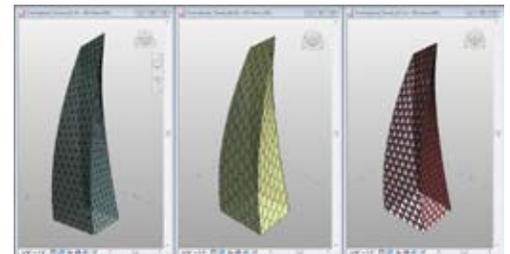
### Complete Projects, One Environment

New and innovative Autodesk Revit Architecture conceptual design features provide easy-to-use tools for free-form modeling and parametric design, and the ability to support the earliest design analyses. Sketch freely, create 3D forms quickly, and manipulate forms interactively. Prepare your models for fabrication and construction with built-in tools for conception and clarification of complex forms. Autodesk Revit Architecture automatically builds a parametric framework around your most complex forms as you continue to design, offering you greater levels of creative control, accuracy, and flexibility. Take your design from concept model all the way to construction documents, all within one intuitive environment and user interface.



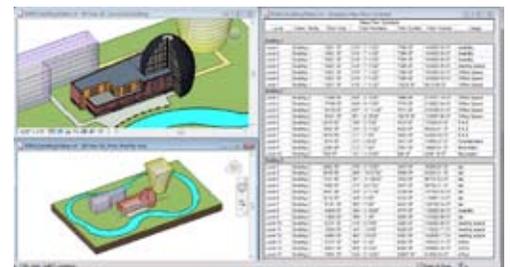
### Authoritative Decisions, Sooner

Autodesk Revit Architecture software supports early analysis of your building forms so your team can make better informed decisions at the earliest stages of your project. Use this capability to comprehensively clarify areas and volumes, perform daylighting and energy analysis, and gain insight into manufacturing viability and early construction material takeoffs.



### Functional Forms

The Building Maker feature in Autodesk Revit Architecture helps you transform your conceptual forms into fully functional building designs. Select and add faces to design walls, roofs, floors, and curtain systems. Extract important building information, including gross area per floor. Bring conceptual massing concepts from applications such as AutoCAD® software and Autodesk® Maya® software, as well as AutoDesSys form•Z®, McNeel Rhinoceros®, Google™ SketchUp®, or other ACIS®- or NURBS-based applications into Autodesk Revit Architecture as mass objects and begin schematic design.



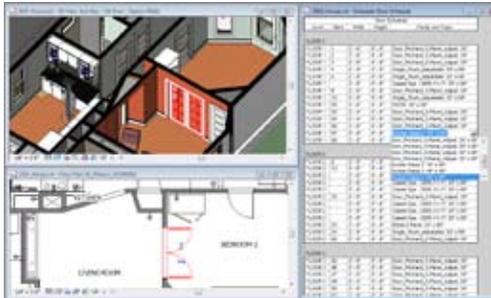
# Coordinated, Accurate Design Information

Autodesk Revit Architecture software is built to work the way architects and designers think about buildings. Work naturally, design freely, and deliver efficiently within one environment.

Autodesk Revit Architecture provides and presents every schedule, drawing sheet, 2D view, and 3D view from a single foundational database, automatically coordinating changes across all facets and presentations as your project develops and evolves.

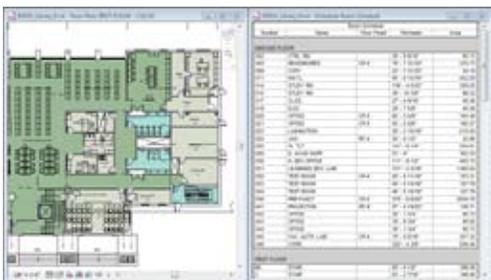
## Bidirectional Associativity

A change anywhere is a change everywhere. In Autodesk Revit Architecture, all model information is stored in a single, coordinated database. Revisions and alterations to information is automatically updated throughout the model, and significantly reducing errors and omissions.



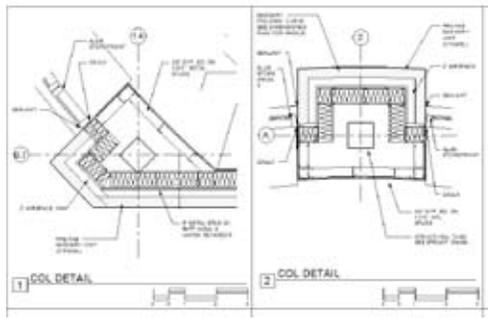
## Schedules

Schedules provide another view of the comprehensive Autodesk Revit Architecture model. Changes to a schedule view are automatically reflected in all other views. Functionality includes associative split-schedule sections and selectable design elements via schedule views, formulas, and filtering.



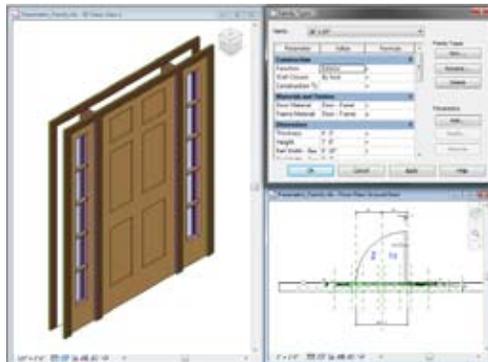
## Detailing

The extensive detail library and detailing tools provided within Autodesk Revit Architecture enable extensive presorting, easing alignment with the CSI format. Detail libraries can be created, shared, and tailored to accommodate your office standards.



## Parametric Components

A change anywhere is a change everywhere. Parametric components, also known as *families*, are the basis for all building components designed in Autodesk Revit Architecture. These components offer an open, graphical system for design thinking and form making, while providing the opportunity to adjust and express design intent at increasingly detailed levels. Use parametric components for the most elaborate assemblies, such as cabinetry and equipment, as well as for the most elementary building parts, such as walls and columns. Best of all, no programming language or coding is necessary or required.



## Material Takeoff

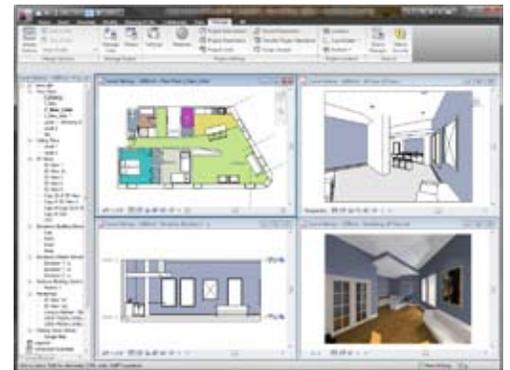
Calculate detailed material quantities with Material Takeoff. Ideal for use on sustainable design projects and for precise verification of material quantities in cost estimates, Material Takeoff significantly smooths the material quantity tracking process. As projects evolve, the Autodesk Revit Architecture parametric change engine helps ensure material takeoffs are always up to date.

## Interference Check

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

## ENHANCED Intuitive User Interface

Autodesk Revit Architecture features a streamlined user interface. Find your favorite tools and commands faster, locate lesser-used tools more efficiently, and discover relevant new features more easily. The result is less time searching through menus and toolbars, and more time getting your work done.



# Exceed and Succeed

Streamline individual and team processes. Deliver more complete documents and higher-quality designs. Most importantly, win more business with clear and complete presentations.

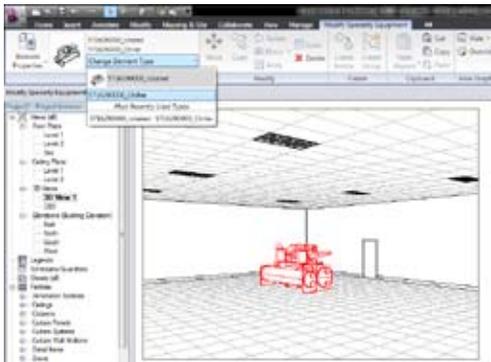
## Design Visualization

Create and capture fully photoreal design ideas and contextual environments to experience your project, even before it is built. Integrated mental ray® rendering software is easy to use and delivers high-quality output, faster render times, and a superior design presentation.



## ENHANCED Interoperability

Interoperability enhancements enable you to work more efficiently with members of your extended project team. Now you can export your building model or site, complete with critical metadata, to AutoCAD® Civil 3D® software. You can also import accurate, data-rich models from Autodesk® Inventor® software, efficiently speeding time to fabrication.

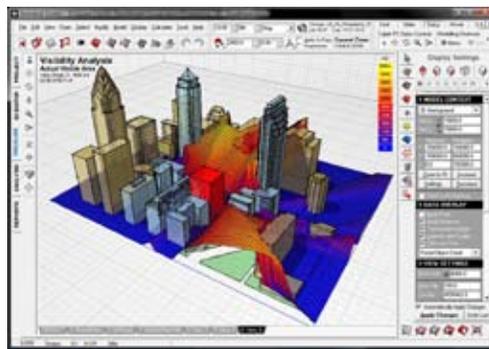


## NEW Native 64-bit Support

New native 64-bit support enhances Autodesk Revit Architecture software's ability to handle large projects and helps improve performance and stability for memory-intensive tasks such as rendering, printing, model upgrading, and file importing and exporting.

## Support Sustainable Design

Autodesk Revit Architecture supports sustainable design processes from the earliest stages. Export building information, including materials and room volumes, to green building extensible markup language (gbXML). Perform energy analysis using Autodesk® Green Building Studio® web-based services, and study building performance employing Autodesk® Ecotect™ software. Use Autodesk® 3ds Max® Design software to evaluate indoor environmental quality in support of LEED® 8.1 certification.



## Product Downloads Exclusive to Autodesk® Subscription

### Worksharing Monitor

Manage team collaboration by gaining crucial visibility into the Revit® model sharing and synchronization process. The Revit worksharing monitor helps bring remote model instances back into the central file, enabling project teams to choose the optimal method for synchronization and collaboration to exceed project requirements.

### Batch Print

Deliver printed document sets with greater ease and avoid costly, time-consuming printing errors. Autodesk 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.

### Globe Link

Globe Link for Revit® 2009 platform products helps users streamline preliminary project planning processes by allowing them to present to clients conceptual designs in context with information about the project site.

With Globe Link, users can publish 3D building information models directly from Revit® Architecture software into Google Earth™ mapping service. Users can also acquire site information from Google Earth mapping service and import it into Revit® 2010 software applications for building and site layout purposes. Globe Link is optimized for Google Earth version 4 mapping service.

Architecture is a competitive environment, and the purpose of any technology is to allow us to make the best use of the skills and experience of our professional staff. Autodesk Revit Architecture eliminates many tedious tasks, and our staff members are very enthusiastic about using it.

—Rodd Perey  
Design Technology Director  
Architectus Sydney

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Access specialists worldwide who can provide product expertise, a deep understanding of your industry, and value that extends beyond your software purchase. To purchase Autodesk Revit Architecture software, contact an Autodesk Premier Solutions Provider or Autodesk Authorized Reseller. Locate a reseller near you at [www.autodesk.com/reseller](http://www.autodesk.com/reseller).

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