

Autodesk Building Design Suite 2016

[Autodesk Building Design Suite 2016](#) is a portfolio of interoperable design software that supports [Building Information Modeling](#) (BIM)- and CAD-based workflows to help professionals design, simulate, visualize, and construct better buildings. With perpetual license and Desktop Subscription licensing options, design and construction professionals can access a collection of tools for use across the building project lifecycle. Autodesk Building Design Suite 2016 helps architects, engineers and construction professionals produce compelling visualizations to present ideas more clearly; use integrated analysis to help inform design and construction decisions; create more consistent and high-quality documentation, and gain valuable insight across the building lifecycle.

Three editions of Autodesk Building Design Suite 2016 are available to support the needs of design and construction professionals. Each offers a convenient package that can help users do more, achieve better results faster, and collaborate more effectively.

Autodesk Building Design Suite Standard 2016 – is for building designers, drafters and detailers who need a foundational set of tools to design, document, and share drawings in the DWG file format. The Standard edition includes: [Autodesk AutoCAD 2016](#), [Autodesk AutoCAD Architecture 2016](#), [Autodesk AutoCAD MEP 2016](#), [Autodesk Showcase 2016](#), [Autodesk AutoCAD Raster Design](#), and [Autodesk ReCap 2016](#). Cloud services, including [Rendering](#) and [Autodesk Green Building Studio](#), extend the functionality of software and are available to users who purchase an [Autodesk Maintenance Subscription or Desktop Subscription](#).

Autodesk Building Design Suite Premium 2016 – is for architects, MEP and structural engineers, and construction professionals who need an optimized set of tools for building design and construction. The Premium edition includes all of the products in the Standard edition and adds: [Autodesk Revit 2016](#), [Autodesk 3ds Max 2016](#), and [Autodesk Navisworks Simulate 2016](#). Additional cloud services, including [Structural Analysis for Revit](#), [Energy Analysis for Revit](#), and [Lighting Analysis for Revit](#) are available to users who purchase an Autodesk Maintenance Subscription or Desktop Subscription.

Autodesk Building Design Suite Ultimate 2016 – is for architecture, engineering and construction professionals who need the power of BIM and an advanced set of tools for design and construction. The Ultimate edition includes all of the products in the Premium edition and adds: [Autodesk Navisworks Manage 2016](#), [Autodesk Robot Structural Analysis Professional 2016](#), and [Autodesk Inventor 2015](#). InfraWorks 360 LT is a cloud service which is available to users who purchase an Autodesk Maintenance Subscription or Desktop Subscription.

An easy-to-read comparison chart showing which software products are included in each suite edition is available [online](#).

Enhancements to Software in the Suite

- **Autodesk AutoCAD 2016** – One of the world's leading CAD applications. New to the 2016 release is the BIM Coordination Model, which helps users avoid clashes in their designs by enabling use of Navisworks models as underlays in AutoCAD. Enhancements to PDF export performance and usability improve their use in communication with stakeholders.

- **Autodesk AutoCAD Architecture 2016** – The version of AutoCAD specifically for architects. Enhancements include a new styles browser palette for dynamic search and import, and streamlined sections and elevations features.
- **Autodesk AutoCAD MEP 2016** – The version of AutoCAD specifically for MEP engineers. The 2016 release includes more options for elbow duct fitting, and multiple enhancements that help improve user productivity.
- **Autodesk Showcase 2016** – Presentation and 3D visualization software for transforming AutoCAD and Revit models into interactive walk-throughs and presentations.
- **Autodesk ReCap 2016** – Software to capture and integrate 3D reality data from laser scans and photos directly into your design process. Enhancements include support for new native laser scan formats; smart measurement tools to help measure diameters and distances with automatic shape fitting; and ability to add tags, notes, pictures and hyperlinks to ReCap files and have them automatically sync between a desktop and the cloud.
- **Autodesk Revit 2016** -- Built for Building Information Modeling (BIM), Autodesk Revit software combines features for architectural design, MEP and structural engineering, and construction in a single comprehensive application. The 2016 release supports user productivity with improved Revit software performance and usability enhancements. New features include MEP fabrication detailing within Revit, improved structural reinforcement detailing, and improved workflows specific to steel connection design and detailing.
- **Autodesk 3ds Max 2016** -- A powerful tool to help architects, engineers and contractors create more convincing visualizations. With a tighter integration between Revit and 3ds Max in the 2016 release, users can directly import and file link Revit models up to ten times more quickly than before and with cleaner geometry. Additional enhanced features include improved instancing, additional BIM data, and multiple cameras.
- **Autodesk Navisworks Simulate and Manage 2016** – Comprehensive project review software that provides 5D analysis and communication capabilities that assist users in demonstrating design intent and simulating construction. Enhancements include support for attaching Navisworks models in AutoCAD and overall interoperability features which allow users to review and collaborate with the entire project team with third party software support. Enhanced quantification features include support for 2D PDF sheets, allowing for integrated model and sheet-based takeoff with the most common industry formats. Deeper integration between Navisworks and BIM 360 Glue delivers a ‘cloud-connected experience’, supporting shared Navisworks data and workflows with BIM 360 projects.
- **Autodesk Inventor 2016** – 3D CAD software for mechanical design enables MEP engineers and contractors to integrate manufacturer building components into their design process. Connected workflows allow for the design of custom building components leveraging 3D mechanical design, documentation, and product simulation. Inventor 2016 provides an open product development ecosystem that delivers a robust package of customer-requested productivity improvements.

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