

Overview	 AUTODESK Revit LT	 AUTODESK Revit	 AUTODESK Architecture, Engineering & Construction Collection
	Simplified 3D BIM tool for producing 3D architectural designs and documentation.	Plan, design, construct and manage buildings with powerful tools for Building Information Modelling.	Powerful BIM and CAD tools to unlock workflows for designers, engineers and contractors.
Architectural Modelling			
Walls, floors, roofs, ceilings, columns	✓	✓	✓
Component families: doors, windows, etc.	✓	✓	✓
Design options	✓	✓	✓
Rooms and areas	✓	✓	✓
Site modelling	✓	✓	✓
Stairs and ramps	✓	✓	✓
Railings	✓	✓	✓
Massing studies		✓	✓
Structural Modelling			
Structural walls, floor slabs	✓	✓	✓
Structural foundation walls and isolation	✓	✓	✓
Structural columns, beams and braces	✓	✓	✓
Slanted columns		✓	✓
Trusses		✓	✓
Steel connections		✓	✓
Reinforcement, rebar modelling		✓	✓
MEP Modelling			
HVAC duct systems		✓	✓
Mechanical equipment		✓	✓
Piping and plumbing systems		✓	✓
Fabrication parts		✓	✓
Electrical and lighting systems		✓	✓
Construction Modelling			
Parts		✓	✓
Assemblies		✓	✓
Advance Modelling			
Create groups for repeating elements	✓	✓	✓
Family editor environment	✓	✓	✓
Send Revit content to FormIt Pro		✓	✓
in-place modelling		✓	✓
Shaped edited floors and roofs		✓	✓
Global parameters		✓	✓
Conceptual massing, adaptive components		✓	✓
Collaboration			
Cloud Models for Revit	✓	✓	✓
Worksharing (multi-user environment)		✓	✓
Interference check, copy/monitor		✓	✓
Shared co-ordinates among projects		✓	✓
Revit Server		✓	✓
Shared views		✓	✓
Model Simulation & Analysis			
Area analysis		✓	✓
Route analysis		✓	✓
MEP systems analysis		✓	✓
Energy optimisation for Revit		✓	✓
Lighting analysis with Autodesk Rendering		✓	✓
Solar analysis		✓	✓
Sun and shadow studies		✓	✓
Structural analytical model		✓	✓
Structural analysis results exploration		✓	✓
Structural analysis			✓
Presentation & Visualisation			
Sketchy lines	✓	✓	✓
Shadows and ambient shadows	✓	✓	✓
Architectural depth cueing	✓	✓	✓
Displaced elements	✓	✓	✓
Realistic view styles	✓	✓	✓
Orthographic/perspective views, walkthroughs	✓	✓	✓
Smooth lines with anti-aliasing	✓	✓	✓
Occlusion culling	✓	✓	✓
Cloud rendering	✓	✓	✓
Photorealistic materials	✓	✓	✓
In-product rendering		✓	✓
Decals		✓	✓

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Support & Stability			
Automate updates and notifications	✓	✓	✓
Includes service packs, updates	✓	✓	✓
Certified hardware support	✓	✓	✓
Available dedicated phone support	✓	✓	✓
Extensive user community	✓	✓	✓
Guides, tutorials and training centre	✓	✓	✓
Access to releases from prior years	✓	✓	✓
Customise install for your company	✓	✓	✓
Network deployment		✓	✓
User Interface			
Customise menu, ribbon interfaces	✓	✓	✓
Context-sensitive ribbons	✓	✓	✓
Family library	✓	✓	✓
Edit, print logical drawing sets	✓	✓	✓
Load Autodesk Family browser	✓	✓	✓
Tailored user experience		✓	✓
Documentation			
2D detail lines, 2D detail components	✓	✓	✓
Revision tracking	✓	✓	✓
Dimensioning, tagging, annotation and text	✓	✓	✓
Phasing	✓	✓	✓
Schedules, material takeoff	✓	✓	✓
Rebar shape images		✓	✓
Embedded schedules		✓	✓
Panel schedules		✓	✓
Duct and pipe pressure loss reports		✓	✓
View Filters		✓	✓
Graphical column schedules		✓	✓
Interoperability			
DWG, DXF file format	✓	✓	✓
Images (JPG, JPEG, BMP, PNG, TIFF)	✓	✓	✓
IFC	✓	✓	✓
DWG, DXF, DGN, DWF, DWFx	✓	✓	✓
Walkthroughs and images, FBX, NWC	✓	✓	✓
Room/area reports, schedules	✓	✓	✓
Linked Rhino 3DM and FormIt AXM files		✓	✓
Import, export PDFs		✓	✓
DGN, SketchUp, DWF mark-up		✓	✓
Point clouds		✓	✓
SAT, ADSK, gbXML, ODBC, Family Types		✓	✓
Data Management			
Open, edit all Revit file types	✓	✓	✓
Link Revit files	✓	✓	✓
Tag and schedule elements in link files	✓	✓	✓
Copy/paste elements from links	✓	✓	✓
Customise the visibility of linked models		✓	✓
Work with non-native data		✓	✓
API & Automation			
Generative Design in Revit		✓	✓
Autodesk App Store access		✓	✓
Software developer kit (SDK)		✓	✓
3rd party API add-ins		✓	✓
Macros		✓	✓
Dynamo for Revit		✓	✓
System requirement			
Processor	2.5-3 GHz+	2.5-3 GHz+	2.5-3 GHz+
Microsoft Windows	10, 64-bit	10, 64-bit	10, 64-bit
Apple macOS			
Linux			
Disk space	30 GB*	30 GB*	30 GB*
RAM	8-32 GB*	8-32 GB*	8-32 GB*
Video graphics card	DirectX 11 capable, Shader Model 5, min. 4 GB of video memory	DirectX 11 capable, Shader Model 5, min. 4 GB of video memory	DirectX 11 capable, Shader Model 5, min. 4 GB of video memory
Browsers	Chrome	Chrome	Chrome