

BUILDING BIM TOGETHER

www.aga-cad.com



WOOD FRAMING

THE ONLY TRUE BIM SOFTWARE FOR TOTAL-PRECISION
FRAMING OF TIMBER CONSTRUCTIONS IN REVIT®

DESIGN - ANALYSIS - DOCUMENTATION - FABRICATION - CONSTRUCTION

- Flexible multilayer framing (incl. sheathing) of any building configuration
- Automated clash detection and generation of complete shop drawings
- Constructable BIM models, optional CNC output & more



WOOD FRAMING

NO MORE DRAFTING – JUST DESIGN AND DECIDE

Leverage the full potential of Revit® and the insights of global BIM experts to automate wood framing work for projects of all kinds.

- Perfect for both – residential and multi-story houses
- Instantly create multilayer framing for any Revit® model with fully customizable rules and templates
- Easily control all framing members, including connections, details and more
- Freely revise your model knowing framing elements will update and adapt
- Detect structural and engineering clashes; cut and frame openings
- Meet your specific needs with versatile functions and total parameter control
- One-click generation of shop drawings and cut lists; get real-time take-offs and views, automatic sorting, dimensioning
- Optional export to any CNC machines and CAD/CAM production lines, such as WEINMANN, Randek, etc
- Perform structural analyses without leaving Revit® or export your wood frames to external analysis software at any stage of the design process

Ideal for architects,
structural engineers,
and manufacturers
of timber houses or
other wood frame
constructions.



SAVE TIME, BUILD WITH ONE CLICK

Lengthy steps automated and/or eliminated.



EARN MORE

Profit boosted by faster work, better decisions.



CREATE CONSTRUCTABLE 3D MODELS

Optimized CNC and label files produced with ease.



EASILY COMPLY

Best practices built-in to meet any need or norm.



ENHANCE TEAMWORK

Deliverables on-time, accurate and ready to use.

Greater efficiency, bigger BIM benefits and ease of customization in:

DESIGN – ANALYSIS – DOCUMENTATION – FABRICATION – CONSTRUCTION

“Wood Framing Truss+ RT allows us to model almost any type of truss, any configuration. It’s intuitive and innovative and has saved us quite a bit of time, especially in the revising and updating of roofs. Overall, AGACAD’s Wood Framing Suite is a great solution for anyone working in Revit who is looking for a more comprehensive, efficient and intuitive system for modeling roof structures. The Metal Framing Truss+ add-on allows us to be more accurate in our work, while utilizing the same truss modeling capabilities of Wood Framing Truss+ RT.

It has given substance to our models, which is extremely beneficial to our clients.”

George Aslanidis, Senior CAD & BIM Technician for Structural Engineering at Thorson Baker + Associates, Inc. (TBA) (United States, Puerto Rico, Canada)

“AGA CAD’s wood framing solutions are simple to use and can be very helpful. They save a lot of time creating framing plans with immediate generation of take-offs.”

Francisco Contreras Chaves, CEO and Architect, CINCO (Chile)

“Rafter+ and Truss+ are pretty much perfect for my needs; they quite quickly frame the whole roof. That’s very good indeed. The tools are robust and don’t cause any problems in Revit itself.”

Ian Kidston, Owner, All Extension Design Service (Australia)

“This software saves me 10% to 40% of my working time, depending on the model’s complexity. These are the most useful Revit extensions I’ve seen. Others that I’ve tried didn’t help much.”

Heiner Dillmann, Owner, Müller & Neumeister (South Africa)



“The most powerful and flexible BIM software on the market for timber frame constructions.”

CHOOSE THE FULL SOLUTION SUITE OR SEPARATE MODULES

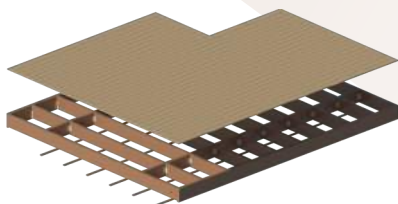
WOOD FRAMING WALL+



The Ultimate Timber Wall Software for Revit®

- Frame even complex multilayer walls with varied supporting structure, openings, complex L or T connections, etc.
- Auto-distribute nailers, siding and fastenings
- Create unique L, T or Free End connections, save them, and use them in any project
- Create all log house elements and group/number them automatically
- Distribute details on studs and plates
- Automate sheathing layouts
- Link framing/wall types, preset bearing/non-bearing
- Quickly align studs or openings that are crippled with trusses or other frames, and much more

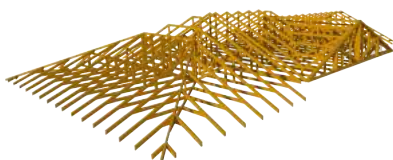
WOOD FRAMING FLOOR+



Revit® Turbocharger for Timber Frame Floors

- Create detailed multilayer timber framing for irregular floor shapes including openings
- Easily configure wooden floor framing members including battens and flooring
- Distribute details on bridgings, blockings, joists, and rim joists
- Automate sheathing layouts
- Link framing/floor types, preset bearing/non-bearing
- Align frames across segments, between floors/walls and much more

WOOD FRAMING TRUSS+ RT



Full-Power Wood Truss Creator for Revit®

- Load built-in truss families and create new types with the Truss Builder
- Build full truss systems at one go with 3D grid
- Create unique truss families based on model lines, roofs
- Auto-copy, arrange, auto-update trusses according to your roof
- Automatically cope, sort, and tag truss members

WOOD FRAMING RAFTER+



Wood Rafter Systems in Revit® for Any Geometry

- Auto-frame an entire roof based on its 3D model
- Insert rafters, trimmers, sleepers, ridge, girder, hip, valley, collar, horizontal, and batten beams easily
- Detect, frame, and update openings
- Frame, extend, trim, cope beams; manage beam systems

BUILDING BIM TOGETHER

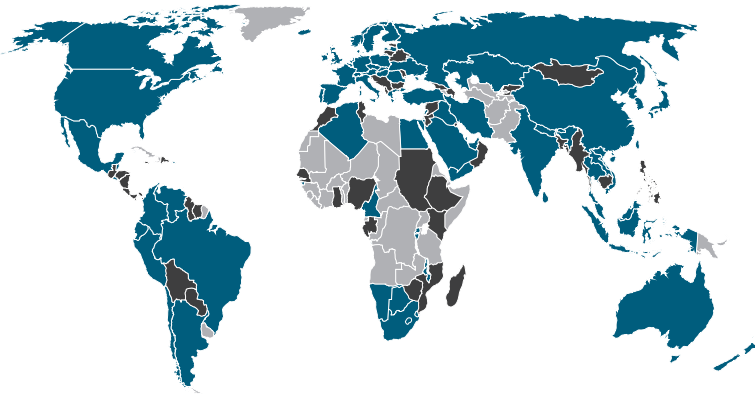
AGACAD is a leading developer of productivity solutions and best practices for Building Information Modelling. We empower you and the AEC industry to more easily secure all the benefits of BIM.

SHARING BIM ADVANCES

Added functionality in Autodesk® Revit®; Automated modelling and documentation; Project workflow integration; and more.

We work closely with top BIM practitioners, turning problems they solve and new methods they evolve into Revit-compatible software and add-ons. So that everyone can move ahead.

This keeps our clients at the cutting edge of BIM processes: to dramatically speed up projects, ensure compliance with standards, deliver better results, and boost profitability.



More than **10,000** clients in **130** countries.

Industries served:

Architecture
Engineering
Construction
Pre-fabrication
Facility management

SUPPORTING BIM PROGRESS

Founded in 1988 and based in the EU, we're a long-time European partner of Autodesk®, and an active regional participant in the development of BIM standards and techniques.



AGACAD advanced solutions for Revit®:



BIM TREE MANAGER



SMART ASSEMBLIES



CUT OPENING



PRECAST CONCRETE



T4R ADD-ONS



SMART BROWSER



INSERT ELEMENTS



SMART DETAILS

- Smart Walls
- Smart Floors
- Smart Details
- Insert Elements
- Sort Mark
- Smart Assemblies

- Excel2R
- Sort Mark
- Dynamic Legend
- Smart Sheets
- Quick Dimensions
- Smart Floors
- Smart Walls
- Sort&Cope
- RAS Manager
- U-Value
- Cut Opening Free
- Smart Browser Free
- Smart Select



MEP ENGINEERING



WOOD FRAMING



METAL FRAMING

- R-Heating
- Smart Hangers
- Smart Diffusers
- Smart Sprinklers

- Floor+
- Wall+
- Truss+ RT
- Rafter+

- Floor+
- Wall+
- Truss+
- Rafter+

START YOUR FREE TRIAL AT www.aga-cad.com

CALL OR WRITE TODAY TO GET A QUOTE
T: +370 618 55 671 | E: info@aga-cad.com