

CONSTRUCTION ENGINEERING

Means & Methods Engineering for Timber Construction

WoodCore's Construction Engineering services bridge the gap between the engineer of record's design and field execution. We focus on the means and methods engineering required to safely and efficiently install mass timber systems, including the temporary conditions, rigging, stability, and logistics challenges that occur during construction.

WHAT WE DO

WoodCore partners with contractors, installers, timber suppliers to engineer the construction phase of mass timber and heavy timber projects. We do not redesign the structure. Working within the architect's and SEOR's design intent, we develop engineered lift plans, temporary works, and installation strategies that help crews build safely, efficiently, and according to plan.

The result is safer lifts, smoother installation, and greater confidence in the field.

WHERE CONSTRUCTION ENGINEERING FITS

Construction Engineering focuses on the build itself. As a means and methods engineering partner, we provide engineered solutions for lifting, temporary bracing, stability, and installation logistics. Whether you're self-performing timber erection or coordinating specialty trades, we work alongside your team to reduce uncertainty in the field.



Plan

- Review design + scope
- Confirm roles, schedule, site constraints

Engineer

- Rigging & lift plans
- Bracing & temporary stability
- Safety-driven logistics concepts

Coordinate

- Work sessions with GC/installer
- Align with SEOR and timber supplier
- Finalize stamped documents

Execute & Support

- Build to engineered installation plans
- Support field execution
- Field support and adjustments as needed



*MASS TIMBER PROJECTS SUCCEED WHEN DESIGN IS ALIGNED
WITH HOW THEY'LL BE INSTALLED.*

Rigging & Lift Plans

Engineered rigging and lift plans tailored to CLT, glulam, and other engineered wood elements. We help you plan crane locations, pick sequences, lift points, and hardware assumptions to keep critical lifts safe and efficient.

Bracing & Stability

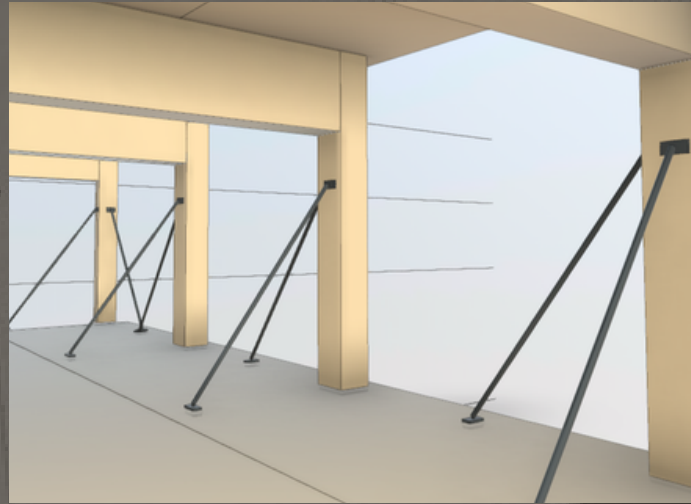
Design of temporary bracing, shoring, and stability measures for all stages of erection. We engineer the temporary conditions that occur before a structure reaches its final state, coordinating with permanent lateral systems while solving real-world sequencing and installation challenges.

Safety & Logistics

Engineering that aligns with your means and methods, schedule, and site constraints. We support staging plans, panel flow, stacking and storage strategies, and safe work zones so crews can move faster without sacrificing safety.

WHY CONTRACTORS CHOOSE WOODCORE

- Mass timber and heavy timber expertise focused on construction and installation
- Clear, stamped documentation that supports permits, inspections, and internal safety reviews.
- Reduced field rework and fewer RFIs tied to constructability gaps.
- A partner who speaks both engineering and site logistics, and can sit at the table with your supers, project engineers, and safety team.



WoodCore has supported dozens of projects through engineered lift plans, temporary stability design, and installation planning.



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the WIN Network**

ENGINEERING THE EXCEPTIONAL, BUILT FROM OUR CORE



Early Integration | Digital Precision | Build-Ready Certainty