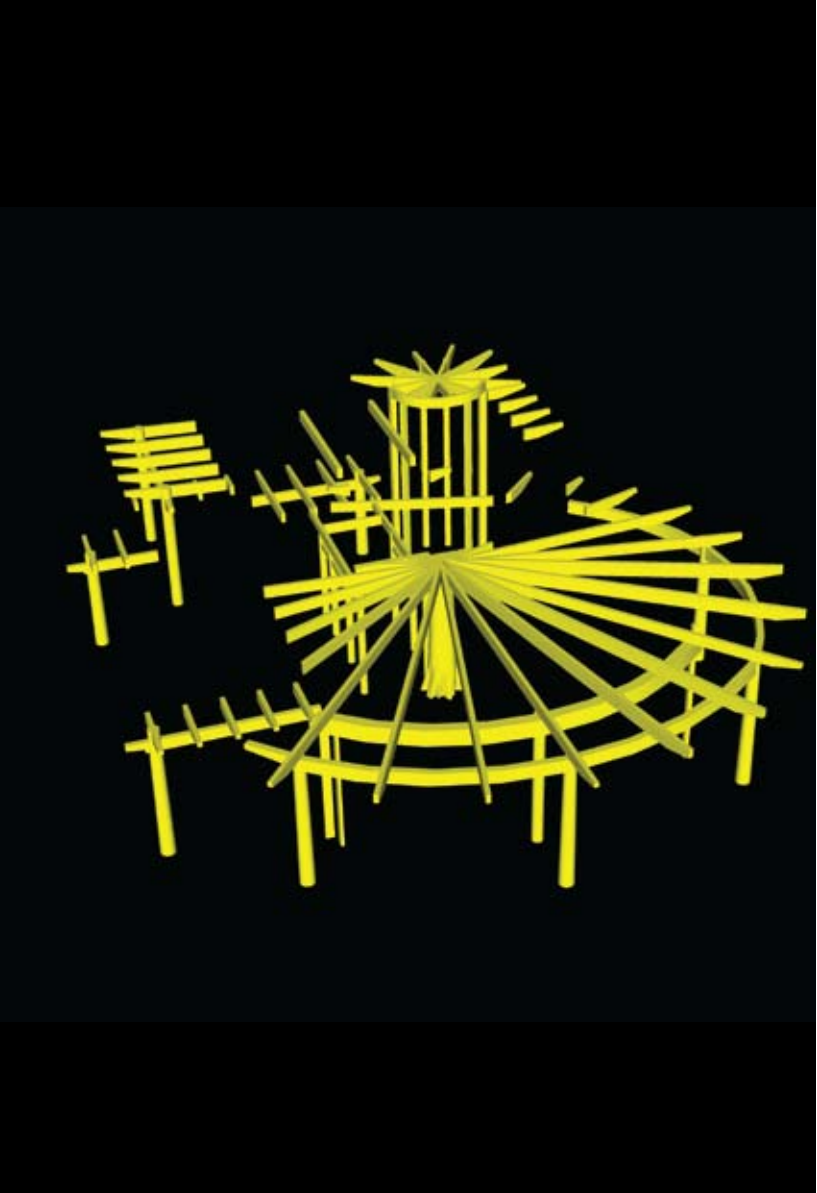




FRASER WOOD
extending the reach of natural timbers





About FraserWood

Founded in 1998 and based in Squamish, British Columbia, FraserWood Industries is an experienced and respected provider of timber products and services. From our 50,000 square-foot fabrication facility, where we also operate North America's premier Radio Frequency (RF) timber dryers, FraserWood has built a reputation for optimizing glue laminate (glulams) and solid-sawn timbers for commercial and residential applications. Our clients rely on us for innovative and flexible solutions to ensure their projects are erected smoothly and without costly rework. FraserWood honors that trust with a diligent commitment to service by developing products that expand the possibilities of timber design.

Products

Conventional Glulams: Glulam beams that offer design flexibility, cost efficiency and durability. Available in the widest variety of standard species, sizes, grades, appearances, finishes and textures. Also available in a range of custom sizes, appearances, finishes and textures.

Green Timbers: Highest structural and appearance grade coast Douglas fir, white spruce, yellow cedar, western red cedar and Port Orford cedar.



GrainMatched™ Glulam: Manufactured from a solid sawn timber, the slices are dried and reassembled resulting in timbers that are virtually indistinguishable from, yet stronger than, solid-sawn timber. They can be manufactured to most curve, depth and length combinations.

Turned Posts: Kiln-dried and finish-turned on the an industrial-sized lathe to achieve diameters with a tolerance of +/- 1/8 inch. The final product is appealing, smooth and stable.

RF-Dry Timbers: From the world's leading authority on Radio Frequency Drying of heavy timbers, FraserWood offers coast Douglas fir, white spruce and Port Orford cedar.



Services

3D Modeling: Converted to CNC machine language for meticulously accurate fabrication and pinpoint consistency with architectural drawings.

CNC Manufacturing: Computer-controlled mills allow us to take even the most complicated geometries from CAD drawings to spot-on precision joinery.

Custom Finishes and Textures: From weathered to highly polished appearances – traditional or original textures and finishes that meet exacting specifications.

Engineering and Installation Support: An experienced team of professionals to answer the demands of the project.



Glulam in Commercial Applications

From our perspective, there's no limit to what we can accomplish with glulams in the commercial building sector. These images of the wave-like O'Siem Pavilion, located in downtown Squamish, attest to FraserWood's ability to take on the most challenging projects and help transform glulam beams into uniquely expressive structures. Along with fabricating the multi-curved glulams, we used 3D modeling to assure the successful integration of the steel curved columns and beams – and our team was involved throughout the construction of this remarkable pavilion.

Glulam from FraserWood

- APA and CSA certified layups and structural grades
- Species: Douglas fir, southern pine, hem-fir, Port Orford cedar, yellow cedar
- Straight or curved glulams
- Appearances: industrial, architectural, premium, hand selected, SelectSpec™
- Glues: Resorcinol (brown) and clear
- Standard widths up to 12 ¼" and depths up to 60 ½"
- Texturing: Smooth, bandsawn, circular sawn, wire brush, walnut blasted
- Treatments and Finishes: Preservative treatments, as well as protective and appearance stains and finishes
- Custom capability that expands on all these selections



Custom Glulam Fabrication

- Curved, tapered, and straight timbers
- Steel connections and hardware
- Shop drawings and 3D renderings
- CNC technology and precision cutting
- Full range capabilities through 24f-EX (Canadian) and 24F-V (U.S.) grades for softwood timbers
- CAN/CSA and APA-EWS certifications



Steel Weldments and Connectors

As part of our full-service support for our clients, FraserWood supplies the required steel weldments and connectors which we custom fabricate.



Solid Sawn Timber in Commercial Applications

In the North American commercial building industry there's a growing interest in wood as a sustainable building material. In March 2011 the U.S. Department of Agriculture (USDA) introduced a strategy to promote such use, stating "Wood has a vital role to play in meeting the growing demand for green building materials." Canadian regions have recently introduced Wood First initiatives for encouraging use of glulam and solid-sawn timber. That means commercial builders, architects, and engineers need adaptable solutions and capable sources for glulam and solid-sawn timbers. FraserWood is the specialist to provide those resources, with field-tested knowledge and a suite of groundbreaking products.

Among our team are engineers, scientists, and R&D specialists with advanced knowledge of the physical capabilities of natural wood. Unwilling to remain static, our manufacturing crew is continually setting new industry standards, including North America's most advanced timber drying operation, which satisfies the need for timbers with long-term appearance and structural performance.



Ideal for commercial projects, our structural grade HeartDry™ solid-sawn timbers exceed CSA 086 and National Design Specifications for Wood Construction requirements for dry timber. HeartDry™ minimizes checking and results in a stable, tight building for generations.



Three Levels of Excellence

- **Face Dry™:** Maximum 19% moisture content 1¼ inch from the surface
- **HeartDry™:** Maximum 19% moisture content 3 inches from the surface; average 17% or less.
- **HeartDry15™:** Maximum 15% moisture content 3 inches from the surface; average 13% or less.
- Custom levels of drying available





Glulam in Residential Applications

FraserWood understands and maximizes the benefits of glulam timbers. Their strength, dimensional stability, and connection capacity advantageously frame larger spaces while capitalizing on the warm, natural, and renewable attributes of wood. For exposed applications in particular, glulam has become a favored choice for its refined appearance and great capacity to assume shapes and sizes that would otherwise be impossible to achieve. Conspicuous among these traits are glulam's potential for long spans and curves that lend drama and impact to a finished structure.



FraserWood uses 3D modeling and expert fabrication to produce square, straight, and true members for both standard and custom glulam timbers. We offer standard APA and CSA certified layups and appearance grades (industrial, architectural, premium), as well as super premium, SelectSpec™ grade of all hand-selected heartwood, flatsawn laminations, which greatly limits color striations, half-knot discontinuities, and glue lines.



Beyond Custom

When a project demands a natural-looking timber, FraserWood offers state-of-the-art, agency certified GrainMatched Glulams. This product meets all CSA and APA requirements for glue laminate timbers, matching the strength, stability, and connection capacity of conventional glulam timbers.

FraserWood GrainMatched™ Glulam

- Crafted from superior western woods timber
- Virtually indistinguishable from solid-sawn timber
- Able to be produced as curved timber
- Exceptional strength, stability, and connection capacity
- Meets all AITC, APA and CSA requirements
- Agency certification available
- FSC® certification available



Solid Sawn Timber in Residential Applications

Residential architects, engineers, and builders know what they want to achieve with solid-sawn timbers, they just need a trusted partner to make it happen. By enhancing the visual attributes of natural timber and maximizing its structural potential, FraserWood has helped create residences of enduring quality and beauty.

Meeting challenging specification and connection demands, our structural grade HeartDry™, FaceDry™, and green solid-sawn timbers offer superior appearance with small knots, dense grain, consistent color, and no wane. Our selection of textures and finishes accentuate the wood's natural look, helping achieve the architectural intent.



Courtesy of British Columbia Timberframe Company



Courtesy of West Coast Log Homes

Through FraserWood's industry leading drying process, we ensure that the finished product remains tight and straight many years after installation. This high standard applies to all our dried products, from large timber trusses to multi-story posts to steel and timber connections. The FraserWood team is there to assist at every stage of the process. We utilize 3D CAD models in fabricating timbers, ensuring a seamless conformity of components and enabling a coordinated, cost-effective construction project.

FraserWood Dry Timber

- Crafted from superior western woods timber
- Graded for peak performance and appearance
- Exceptional stability and connection capacity
- Custom requested levels of dry
- FSC® certification available



Courtesy of Kettle River Timberworks



FraserWood Makes it Possible

From honoring the craft of mortice & tenon joinery to fabricating innovative engineered-wood beams, FraserWood Industries offers a unique mix of timber products and services that elevate the potential of wood structures. We support architects, engineers, and builders in their pursuit to design and construct commercial and residential buildings of exceptional beauty and stability. We invite you to find out how we can make your next timber project a stunning reality.



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