

STRUCTURAL WOOD SYSTEMS

**The Premier Custom Manufacturer
of Glued Laminated Timbers**



STRUCTURAL WOOD SYSTEMS

Division of Harrison Industries, Inc.

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www.structuralwood.com



“Successfully serving our customers with quality material & workmanship for the past 86 years.”

About Us

Structural Wood Systems has earned the distinction of being the leading custom manufacturer of top quality structural glued laminated timber. We proudly claim to be number one in the world! Regardless of the size or complexity of your application, Structural Wood Systems can meet your requirements. Our manufacturing, engineering and sales facilities in Greenville, Alabama are all at the same location in the heart of southern pine country.

Structural Wood Systems is a full-service single source capable of satisfying all your requirements for glued laminated timber, from your initial inquiry through delivery of the finished product. Since 1925, our facility has been providing the highest quality products and services. The comprehensive services we offer you include:

- Precise custom engineering of structural glued laminated timbers and connectors
- Cost effective estimating
- Quality fabrication by our experienced production crews
- On-time delivery to the site
- Personal handling of your inquiries at every step of the order process

Engineered Laminated Timber Offers Many Advantages

Carefully selected kiln-dried southern pine, precise engineering, and experienced production crews come together at Structural Wood Systems to give your designs beauty and longevity. We have been satisfying customers for the past 86 years with quality products and services.

Our engineered timbers have become hallmarks in some of America’s most impressive architectural achievements. Undoubtedly, they offer expanded possibilities for creative expression. “Factory grown” to your exact specifications, laminated timbers are also particularly appropriate when you have specific structural or budgetary considerations.

- Laminated timbers provide long, clear spans without interior support. False ceilings and other framing cover-ups are eliminated, thus giving laminated timbers a cost advantage over steel, brick and mortar construction.
- Laminated timbers offer excellent stress levels, thermal and electrical insulating qualities, and a superior ability to absorb shocks. They are less affected by thermal expansion and contraction than other popular building materials.
- Laminated Timbers are naturally resistant to corrosion, and may be pressure-treated with preservatives for wet use conditions. Properly installed, and used, the strength and beauty will last indefinitely.
- Laminated timbers may be factory-finished in a variety of decorative textures and colors, then wrapped in protective covering and transported to your project site.
- Laminated timbers usually can be installed by local labor using mobile equipment and hand tools.

Distinctive examples of innovative structural designs using our product are displayed on these pages.

They offer the strongest testimony to the design versatility, natural beauty and craftsmanship you will achieve when you specify Structural Wood Systems Glued Laminated Timber.



Structural Wood Systems - Greenville, AL
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A photograph of the Franklin Lake House, a modern wooden structure with a prominent, wide, cantilevered roof. The building features large glass windows and a balcony. It is surrounded by tall, thin trees in a wooded area.

State Award Winner

Mississippi AIA
Design Award 2006

Franklin Lake House
Houston, MS

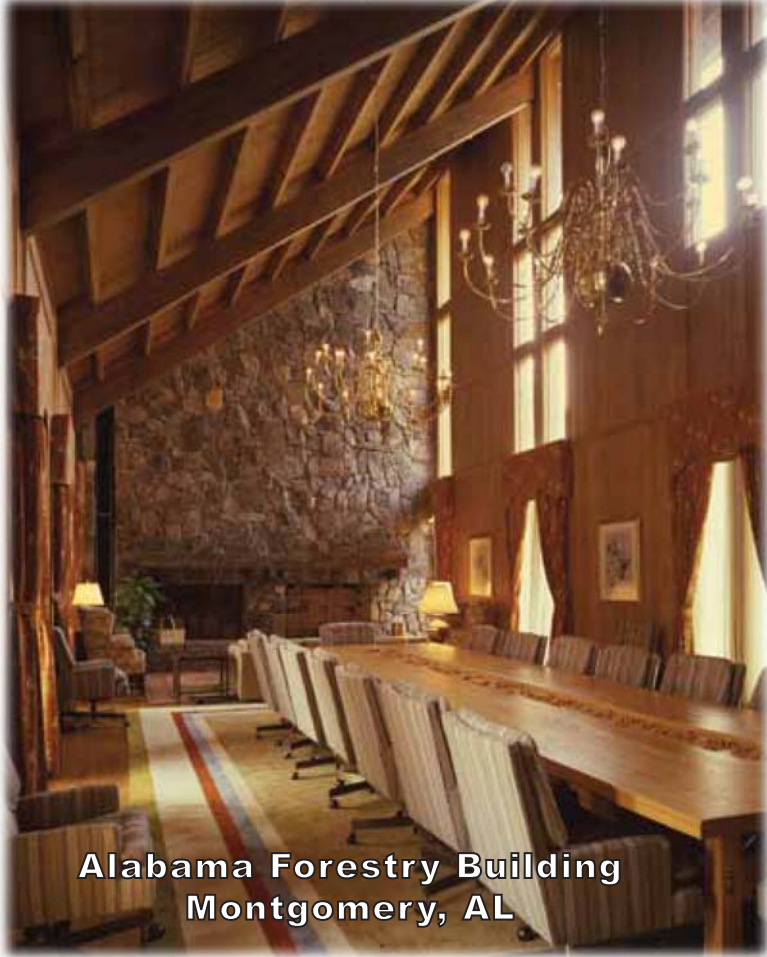
Our Wood Structures Become Showpieces

A photograph of the interior of St. George's Episcopal Church, showcasing a high, vaulted wooden ceiling with a complex, ribbed structure. The space is filled with warm wood tones and features several modern, circular pendant lights. Rows of white chairs are visible in the foreground.

National Award Winner

American Institute of Architects
Honor Award for Excellence in Architecture
1992 Allied Arts & Craftsmanship

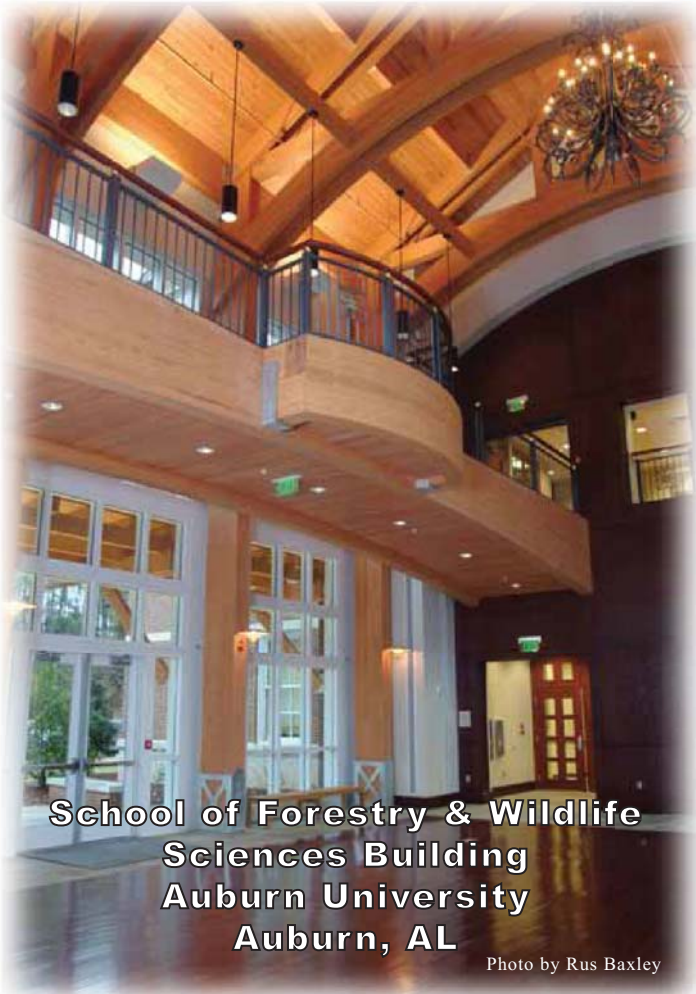
St. George's Episcopal Church
Belleville, IL



**Alabama Forestry Building
Montgomery, AL**

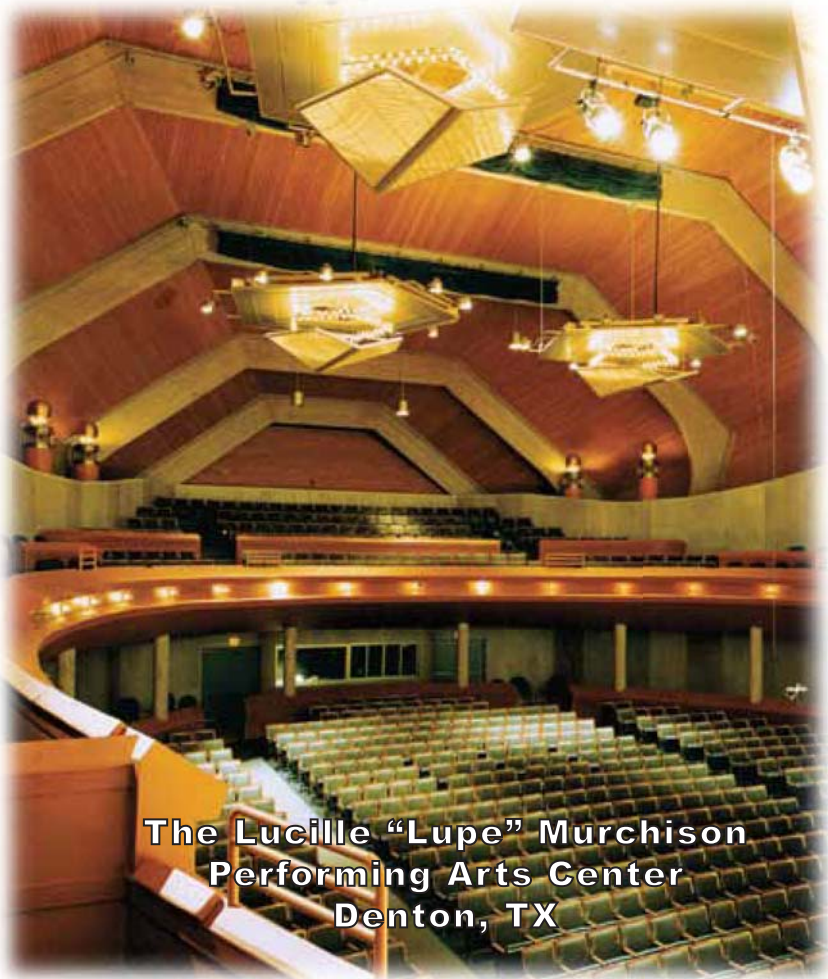


**Poynter Institute
St. Petersburg, FL**



**School of Forestry & Wildlife
Sciences Building
Auburn University
Auburn, AL**

Photo by Rus Baxley



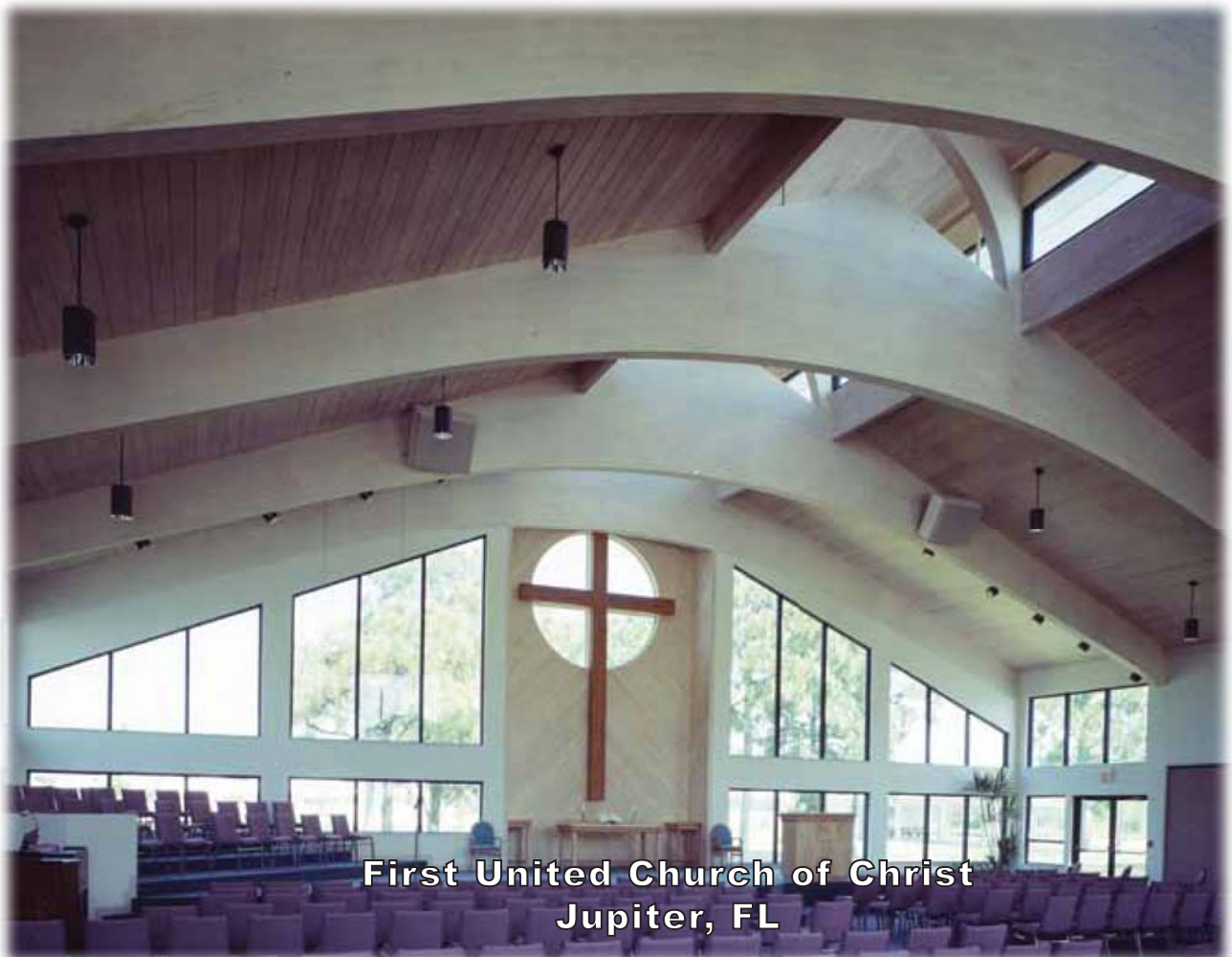
**The Lucille "Lupe" Murchison
Performing Arts Center
Denton, TX**



**Bass Pro Shops
Branson, MO**



**Shades Mountain Baptist Church
Birmingham, AL**



**First United Church of Christ
Jupiter, FL**

Iroquois Amphitheater
Louisville, KY
(136' Clear Span)



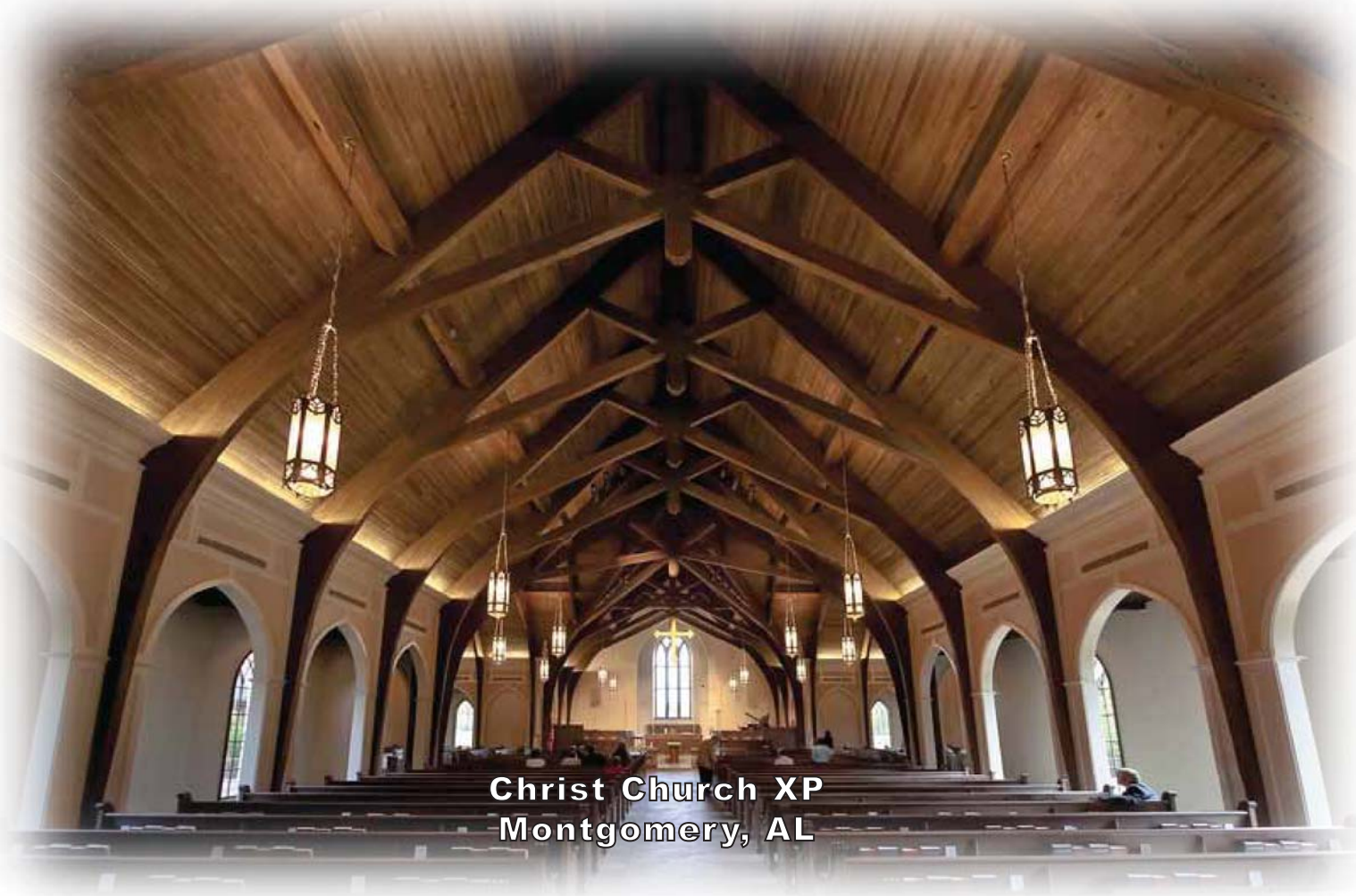
We Make Architects & Engineers Look Great!



Pinckneyville Park Hockey Rink Cover
Norcross, GA



60' Performance Shelter
Burlington, NC



**Christ Church XP
Montgomery, AL**



**Kansas City Zoo Carousel Shelter
Kansas City, MO**

***Architecturally Pleasing and Low Maintenance
Wood is a Natural Choice***



**Pedestrian Bridge
Destin, FL**

***Modern Timber Bridges are popular for Pedestrian,
Golf Cart, & Vehicular applications.***



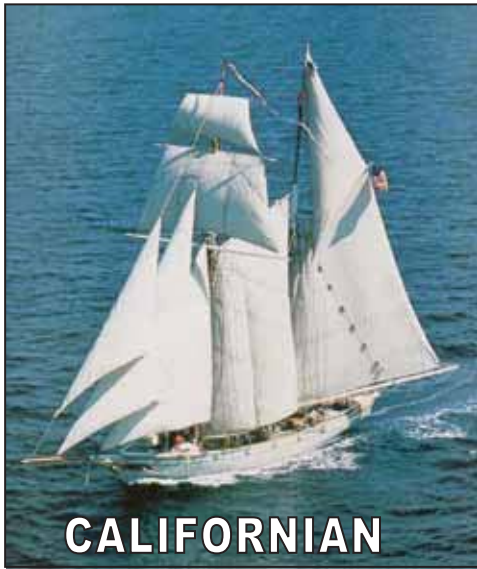
**Cedar Creek Bridge
Conecuh County, AL**

Longevity and Ease of Erection



**Five Mile Bridge
Grundy County, IL**

Ship Frames, Keel, Keelson, Stem, Stern Knee, Mast, Deck, No Problem!



CALIFORNIAN



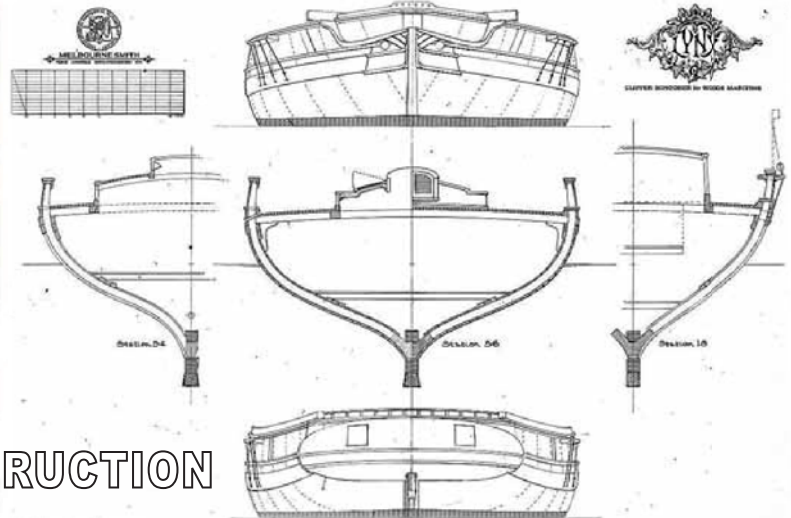
Privateer LYNX



US Brig NIAGRA



LYNX CONSTRUCTION



Heavy Timber Construction - Fire Performance

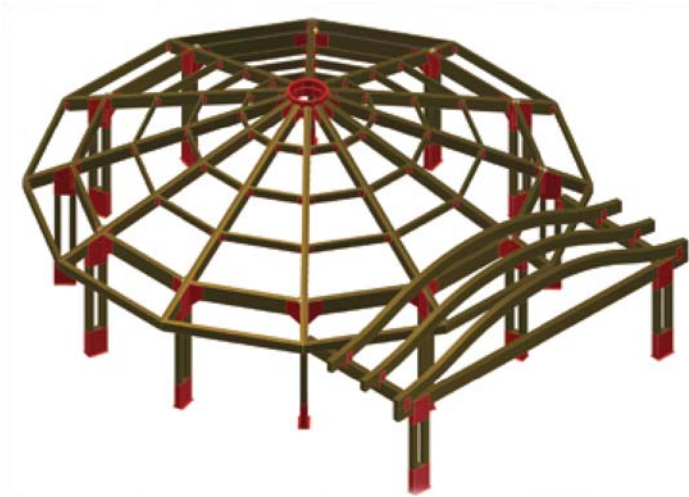


Above: Equivalent strength steel beam and glulam beam following fire test under full load. Steel beam collapsed after only 30 minutes exposure, while glulam member remained straight and true, charring only 3/4" on exposed surfaces.

Below: Typical glulam beam following test. Note that the outer surface of beam has charred, while inner areas remain unburned. The charred outer material acts as an insulator during fire, reducing the rate at which the inner material will burn.



***Structural Wood Systems is NOT just a laminated wood supplier.
We offer all of these services from a single source.***



Engineering

State of the art design and engineering with registered in-house professional engineers. Detailed shop drawings of laminated wood and steel connections prepared for customer approval before manufacturing begins.



Estimating and Sales

Assistance from the development stage of a project through the pricing of materials as finalized on construction drawings. Timely and accurate quotes from a staff with thousands of past projects experience.



Steel Fabrication

Custom connecting steel completely fabricated at the same location to ensure quality and fit.



Glulam Manufacturing & Fabrication

Complete manufacturing including lumber selection, gluing, all fabrication cuts and hole drilling with pre-fitting all under one roof.

Continuous Quality Control



Shipped from our door to yours.

Make us a member of your team of design professionals.



We often begin as a consultant to the project architect. Then as a specified glulam supplier, we continue working along-side the contractor until the timber portion of the project is completed.

Wayne Lee
President

For more information please call, email, or visit us online at:

www.structuralwood.com

Design standards, manufacturing standards, technical notes, and other publications are available for free download.

*14" x 85" x 104' Beam Manufactured In 1986
for Zoo Waters Building - Indianapolis Zoo
Indianapolis, IN*



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