

BUILDING BETTER

BY ROSBORO

ROSBORO is North America's premier supplier of glulam beams and the innovator of **X-Beam®** - the industry's only full-framing-width stock architectural glulam.

Our vertically integrated log-to-beam manufacturing process provides our customers with an unmatched range of high-quality stock and custom glulam products as well as western species studs and dimension lumber.



HIGHLIGHTS



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No Prior Select Lumber
What does it mean?



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Best Practices from Jared
Conversion Tables



Rosboro's Unsung Heroes
Log Yard Team



Everything was exposed on the inside – so aesthetic value, in addition to structural integrity, was important. Rosboro gives both structure and the finished look with a single product.”

– Michael Ratliff
Director of Business Development, Timberlyne

Spotlight State Nebraska Bank & Trust



STATE NEBRASKA BANK & TRUST

For a unique bank / basketball court project, the owners were faced with choosing between either a SIP roof with a separate expensive veneer wood plank ceiling, or a cheap but uninspiring acoustical tile drop ceiling. Then architecture firm Hokey Ley was approached with a third option: a roof of architectural glue laminated decking exposed from below. Laminated decking utilizes 2x4 & 2x6 lamstock glued together and orientated in a plank position to achieve high strength properties and the bonus appeal of natural Douglas Fir.

A full case study of the project can be found at:
<https://rosboro.com/project/nebraska-state-bank-trust>



Industry Brief Rosboro Laminated Decking



MASS TIMBER. If you're involved in the construction industry, chances are you're at least aware of the emerging market for mass timber buildings. With several North American manufacturing plants already operational and even more under construction, many in the industry are betting that this trend will stick. What is mass timber? In short, mass timber structures are constructed from engineered wood products typically made of large, solid wood panels, columns and beams built in factory conditions and assembled on site. While these systems have been used in Europe and other parts of the world for decades, mass timber has just recently begun to gain real traction in North America.

Most recently, the International Code Council approved changes to the 2021 International Building Code that allows mass timber structures up to 18 stories. This change has further fueled adoption of these systems and the number of projects in the pipeline continues to grow. In addition to the widely known CLT (Cross Laminated Timber), various alternatives have been introduced including MPP (Mass Plywood Panels), DLT (Dowell Laminated Timber), NLT (Nail Laminated Timber) and our personal favorite RLD (Rosboro Laminated Decking). Each boast their own benefits, but all can deliver the biophilic aesthetics that people gravitate to. Biophilia is our instinctual draw to nature. It's the motivation behind long hikes, stopping at scenic overlooks, and the reason your mood is warmer in a building where natural wood is a visible design element. Exposed wood used in the

right application will promote the benefits of biophilic design which can be summed up as overall happiness and well-being. This is a primary driver of mass timber's appeal to the design community.

For developers and construction companies, mass timber's biggest benefit is undoubtedly its accelerated speed of construction. Offsite fabrication producing precision milled components that assemble in Lego-like fashion can shave several weeks off traditional concrete/steel building schedules. Time is money and if your building can be occupied sooner, it is a no brainer for everybody involved. In one recent example, the Nebraska State Bank & Trust Building in Wayne, Nebraska, the entire RLD roof was assembled in less than a week and “-much quicker than the original design would have taken.” – Michael Ratliff Texas Timber Frames. RLD was also the preferred choice for a mezzanine project in Swinerton's new North Carolina office. Unlike CLT, which is typically produced in 8' widths (or larger), RLD can be produced in much smaller section sizes (1'-4') allowing forklifts to place the panels in place without the need for expensive cranes.

Visit our website: rosboro.com/resource-library/ and view the 'Rosboro Mass Timber' drop down menu for laminated decking design and technical information.



NO PRIOR SELECT lumber



Why NO PRIOR SELECT?

Many lumber producers sort out the best boards to make premium grades for home centers, leaving professional builders to pick through #2 & Better units looking for straight pieces. Rosboro studs are NO PRIOR SELECT, meaning our #2 & Better actually contains the "better" part of the grade. Dealers and builders highly value NO PRIOR SELECT studs because they get the straight sticks they need without excessive culls and waste.



WHAT not to DO...

EXTERIOR USE BEAMS

Deck season is upon us and the watchouts all remain the same. Any beam used in exterior applications should be pressure treated with an AWP approved treatment or built with a naturally durable species such as Alaskan Yellow Cedar (AYC).

- DO NOT completely wrap beams (even if they're treated).
- Fascia can be applied with adequate spacers between the beam and cover board. DO NOT create a bucket for moisture to become trapped.
- Ensure water can properly drain and no standing water accumulates.
- Oil based paints and stains are recommended, stay away from water based products.

**Rosboro is not a treating facility. Any questions directly related to treatments please contact a treating facility.*



Example of a treated beam that was wrapped. Moisture was trapped and accelerated deterioration.

BEST PRACTICES by Jared

TIPS of the TRADE

Jared Hensley, P.E., Director of Engineering

Substitution of Glulam Beams for Steel or Solid-Sawn Lumber

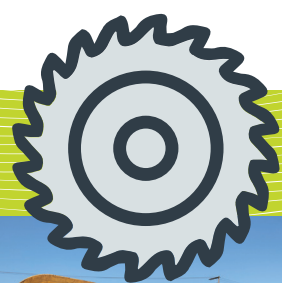


APA

Looking to incorporate glulam beams into a pre-engineered design or remodel that utilizes solid-sawn wood or steel?

Equivalent size conversion tables are available that provide replacement options for floor and roof beam applications. Simply look up the beam you are wanting to replace, the glulam member shown is the equivalent size that can support equal or greater loading based on code minimum acceptance.

<https://rosboro.com/resource-library/> - Then view the 'Glulam Conversion Tables' drop down menu for additional tables.



ROSBORO'S Unsung Heroes



LOG YARD TEAM

Rosboro's log yard team is responsible for unloading, scaling, sorting, decking, and feeding our mills.



Truly Green

Rosboro's mission is to leave the Earth better than we found it. We source logs through state, federal, and private timber sales and adhere to the Oregon Forest Practices Act. We work with locally-based conservation groups to reforest our timberlands responsibly. Learn more about our commitment to sustainability.

Our Products

Western Structures™ Custom Glulam
 X-Beam™ | Next-Generation Glulam 24F-V4
 X-Rim™ | Next-Generation Rim
 X-Beam™ Columns
 1.6E ESL | Engineered Structural Lumber
 Rosboro Laminated Decking™
 Dimension Lumber
 Studs

ROSBORO NEWSLETTER 2021.2

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