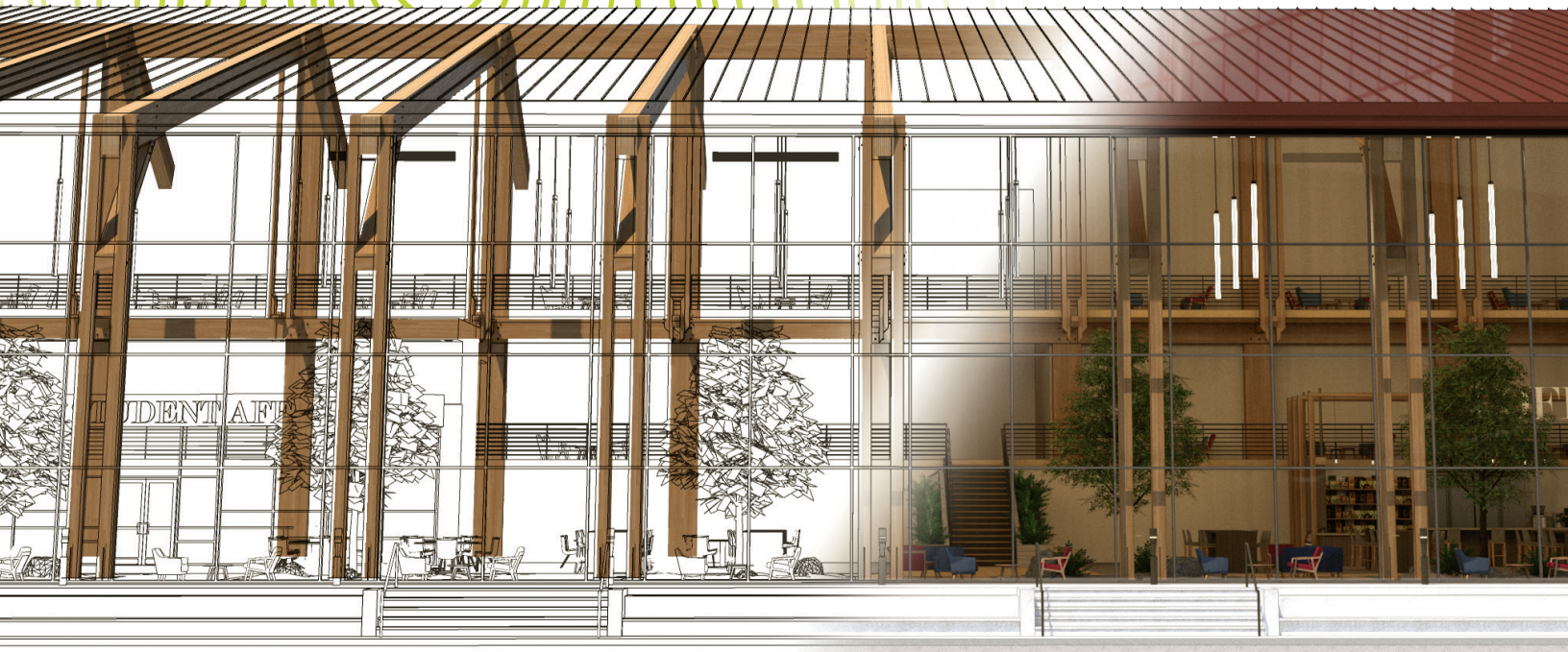
Boise Cascade®
ENGINEERED WOOD PRODUCTS

Mass Timber
SOLUTION GUIDE



THE FUTURE IS WOOD

Mass timber provides distinct advantages to architects, engineers, and end users seeking to envision, then create, buildings that function as good as they feel.

Boise Cascade is here to help bring these visions to life.

To support you at every step of the design, production and construction journey.

To build healthier, smarter structures.

To build value that reflects your values.

High performance. Always naturally beautiful.







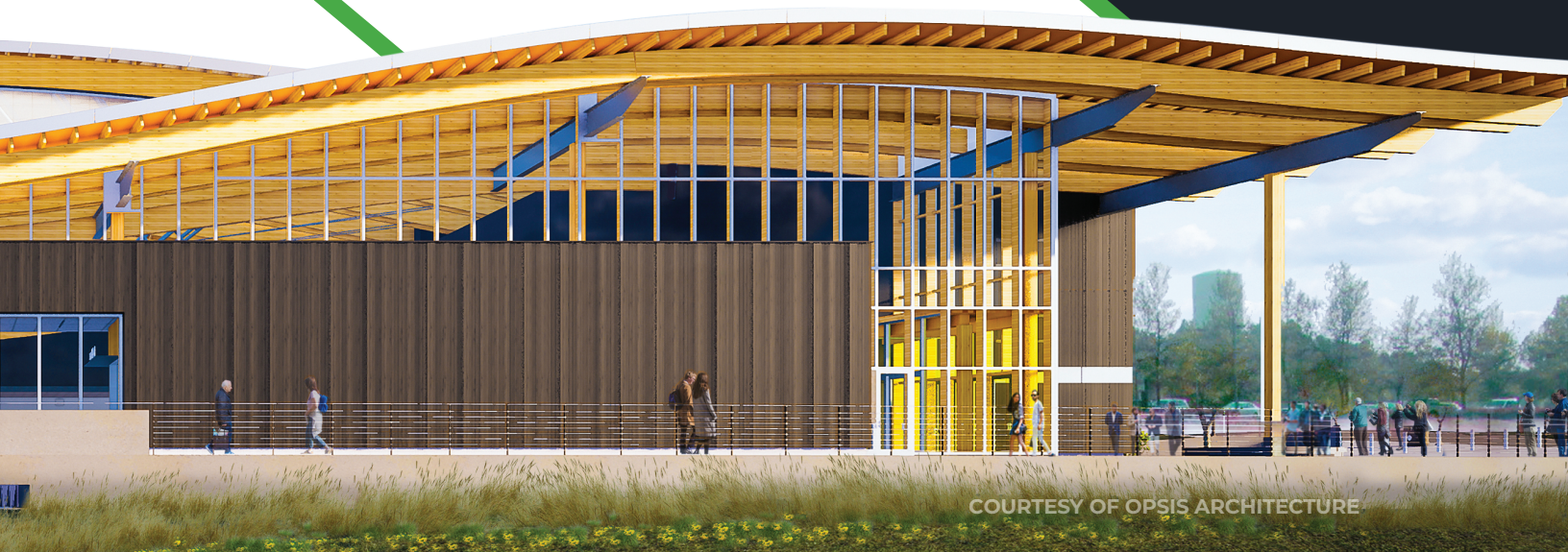
Been there. Built that.

For more than 60 years, Boise Cascade has led the building materials industry in advancing the sustainable, versatile qualities of wood. From our roots in the forests of the Pacific Northwest to today's modern, technologically-advanced mills, nobody knows wood like Boise Cascade.

Boise Cascade combines the proven engineering, manufacturing, and logistics expertise of Boise Cascade to help bring mass timber projects to life. From pre-construction planning through design, manufacturing, and installation, Boise Cascade has both the supply chain and know-how to get the job done right.

Why Mass Timber?

- **Biophilic design = spaces inspired by nature**
- **Renewable & sustainable resources**
- **Cost effective construction**
- **Flexible design options**
- **Inherent fire resistance**
- **Sequestered carbon & avoided emissions**



COURTESY OF OPSIS ARCHITECTURE

SUSTAINABLE PRACTICAL ADAPTABLE

Recent advances in engineering and manufacturing have converged with an increasing demand for sustainable structures, making mass timber construction not only feasible, but the environmentally responsible alternative to traditional concrete and steel construction.

It's easy to see why. The benefits of mass timber are both pragmatic and impactful to a wide range of stakeholders.



Benefits for architects, engineers, and specifiers

- Unmatched potential to create stunning buildings inspired by nature
- Greater design flexibility thanks to increased ceiling heights and adaptable material choices
- Cost effective construction — lighter materials, fewer trucks, less labor, faster construction, smaller concrete footings, less bracing materials
- Prefabricated materials allow for simplicity of construction and assembly
- Strong — allowing for excellent performance even in areas that require seismic considerations when designing

Benefits for owner/developers, end users, and other stakeholders

- Excellent usability and functionality thanks to the natural characteristics of wood: warmth, insulation, acoustics
- Enhances environmental and sustainability programs through renewability, carbon sequestration, and avoided emissions in transit and production
- Inherent fire resistance, with a char rate similar to solid wood, to address life safety code requirements
- Faster construction can mean less construction traffic, lower labor costs, and quicker revenue streams



Building Codes Embrace Mass Timber

With the addition of tall wood provisions in the latest model building codes, buildings constructed from wood of 12 stories in Canada and 18 stories in the U.S. are allowed. Many states and provinces have already adopted these provisions.

THE BOISE CASCADE ADVANTAGE

From concept to ribbon-cutting, Boise Cascade puts our decades of experience in engineered wood manufacturing, construction, and logistics to work for you.

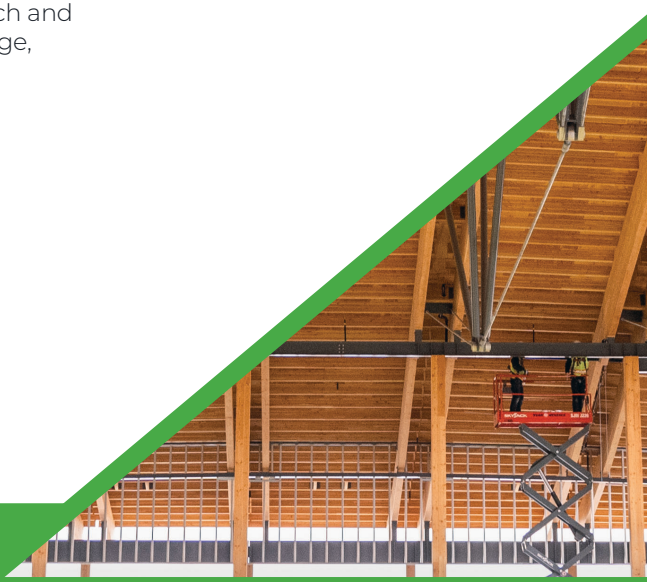
Our team can walk you through every step of the process, including budgetary analysis, code review, and more. Boise Cascade can be a true partner in your project, reducing risk, and increasing opportunity in every phase.

Expertise Everywhere

Our team of subject matter experts includes Boise Cascade's research and development, structural engineering, design, construction knowledge, and cost analysis. All working together. All working for you.

Built for You

With a network of mills and manufacturing facilities, Boise Cascade can design and manufacture custom mass timber solutions to bring your vision to life.



START-TO-FINISH SUPPORT

SUPPLY

- Provide material based on design drawing of record
- Product manufacturing
- Standard and custom size product

DESIGN-ASSIST

- Coordinate with architect and engineer of record regarding mass timber elements
- Schematic design and connection detailing
- Grid and product optimization

COST ANALYSIS

- Budgetary pricing
- Fabrication costing
- Coordinate accessory components



Spec Smart

There are many ways to approach a mass timber project. Because Boise Cascade works across multiple technologies and materials, we can provide unbiased insights to ensure you specify the right product for each application in your mass timber project.



PROJECT SUPPORT

- Submittal packages
- Shop drawings and fabrication models
- Provide support to authority having jurisdiction

INSTALLATION SUPPORT

- Logistics and material coordination
- Provide product and installation guidance
- Technical assistance



Unsure of the right tool for the job?

Boise Cascade Commercial Solutions can help with your mass timber projects. Contact us to review what solutions might work best for you: 833.769.0257



BOISE CASCADE MASS TIMBER PRODUCTS

Boise Cascade® Veneer Laminated Timber (VLT)

Boise Cascade® VLT combines a higher strength-to-weight ratio relative to other mass timber technology, providing flexibility in design and performance.

Manufactured using advanced veneer technology, Boise Cascade VLT panels are an excellent solution for structural, floor, and roof applications. Available thicknesses from 2-1/8" to 12-¾" and manufactured to lengths up to 60' long.

Versa-Lam® Laminated Veneer Lumber (LVL)

Proven, stable, consistent, and durable, Versa-Lam® LVL high-capacity beams and columns are ideal for mass timber structural applications.

Boise Cascade has been manufacturing LVL for more than 30-years. Our unique manufacturing process allows us to produce the largest LVL available, up to 4' wide x 4' deep and 60' in length.

BOISE GLULAM®

With the ability to create stunning structural elements such as arches or curved and long-spanning beams, BOISE GLULAM® delivers. This proven mass timber technology bonds dimensional lumber with water-resistant adhesives to provide great strength and design versatility.

Available in lengths limited only by transportation logistics and on-site limitations.
BOISE GLULAM allows for wide open spaces filled with the eye-catching beauty of wood.

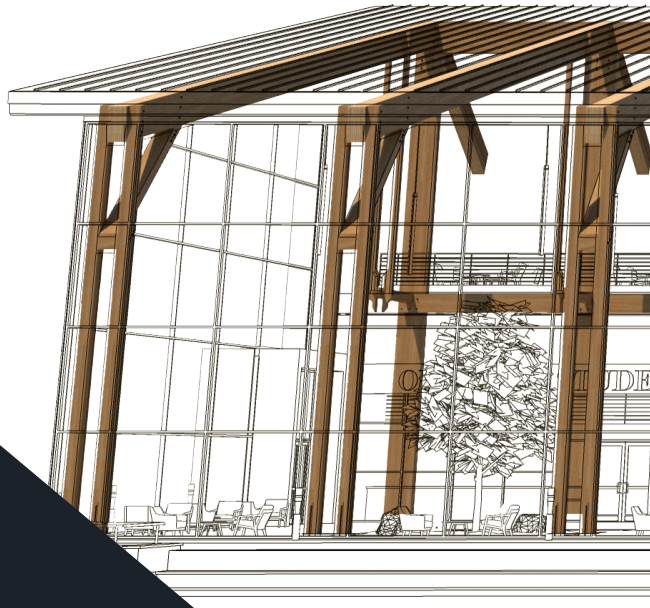
Other Products

The possibilities for mass timber solutions are virtually endless. What's important is ensuring you choose the correct products for the application and its constraints. That's why Boise Cascade established a network of trade partners — including our own custom solutions — to help you source the full range of mass timber options.



See Our Project Portfolio

Out of consideration for our architect, engineer, contractor, and owner partners, we only provide project details upon request. Please contact us for details on past, current, and future projects.



LET'S GET STARTED

Whether projects are large or small in scope, Boise Cascade has the experience, capacity, and agility to help you deliver.

Whether you're facing budget concerns, design challenges, or just don't know what you don't know, we can assist with your mass timber projects.

Quick Project Evaluation

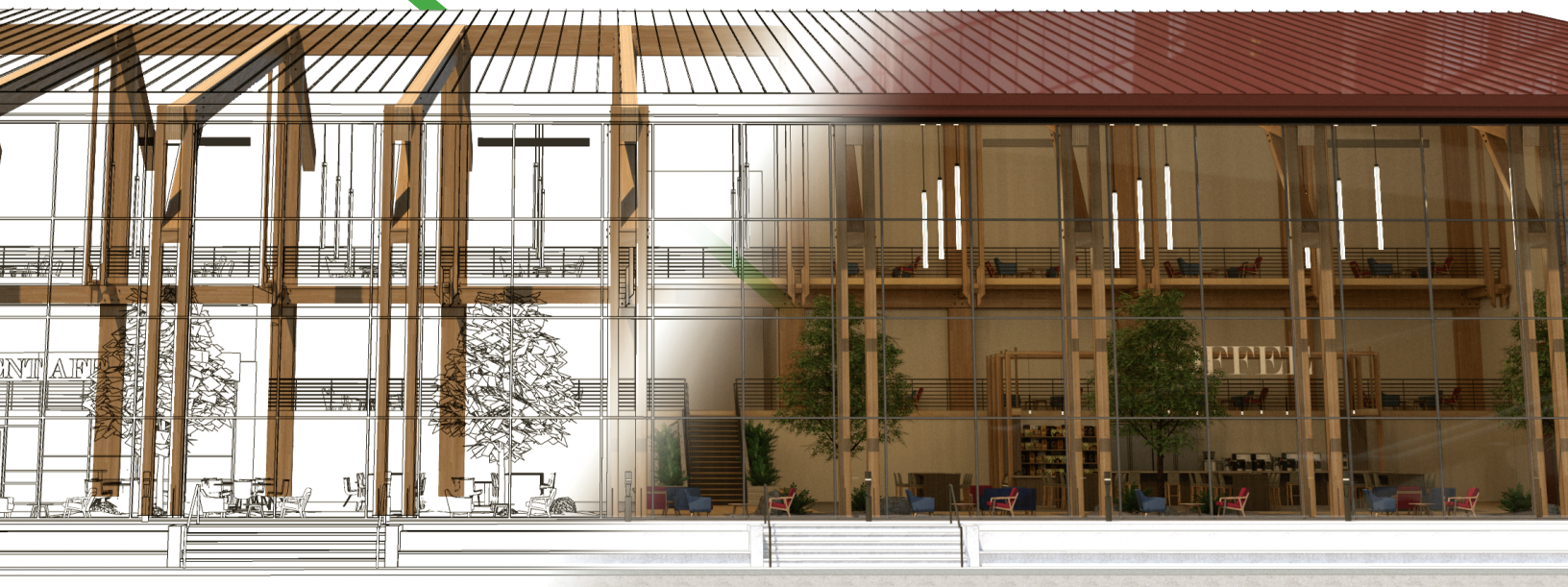
Assess existing design, structural efficiency, cost estimation.

Get-to-Know-Us Conversation

A short call to understand your needs and how Boise Cascade's mass timber products might be a fit for you.

Project Engagement

An in-depth discussion of your project details, culminating in a proposal from Boise Cascade.



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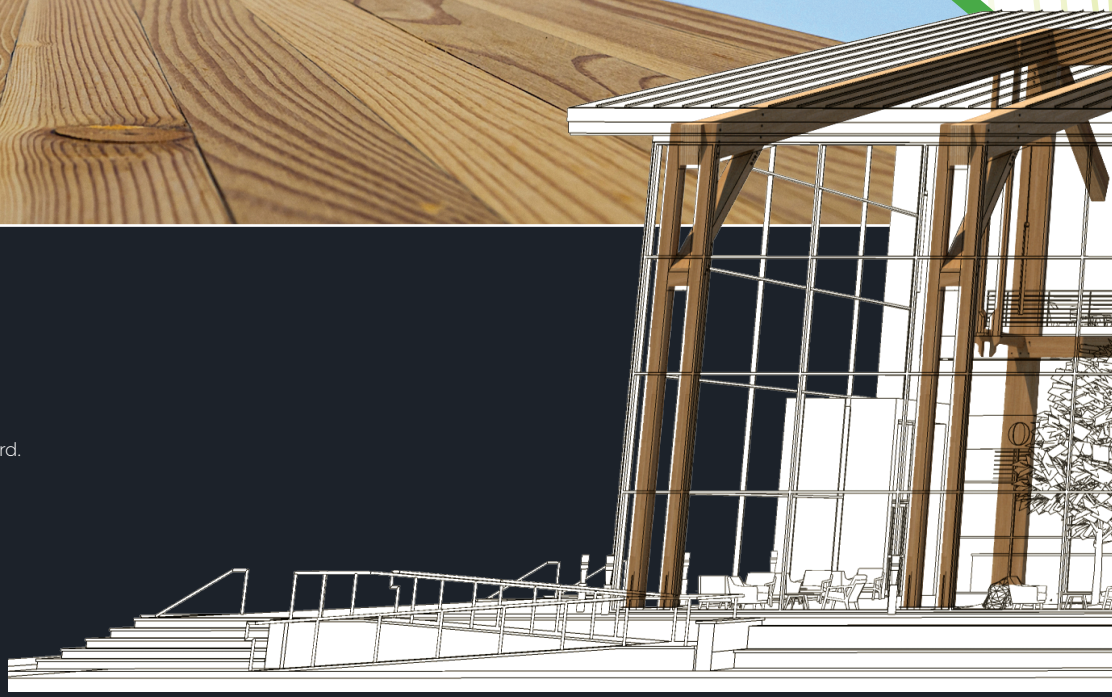

Proud to be part of the organizations
propelling the mass timber movement forward.

bc.com
833.769.0257

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