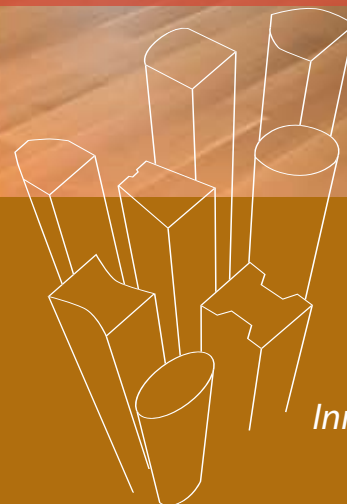




# Structurlam Products Limited

Complete HEAVY TIMBER Packages

GLULAM + CROSSLAM + PARALLAM



**STRUCTURLAM**

*Innovative Wood Specialists*



## Introduction

Structurlam Products Ltd. is a manufacturer of high quality glue-laminated beams and a premium fabricator of complete heavy timber packages. We share our customers' passion for using wood for both its strength and beauty. This passion, combined with design expertise and state-of-the-art production facilities, has resulted in more award-winning structures than any other wood products manufacturer in North America.



Art Gallery of Ontario - AGO



Toronto ON

*Rows of 60 foot sweeping arches combined with extensive glazing bring art appreciation to a new level.*

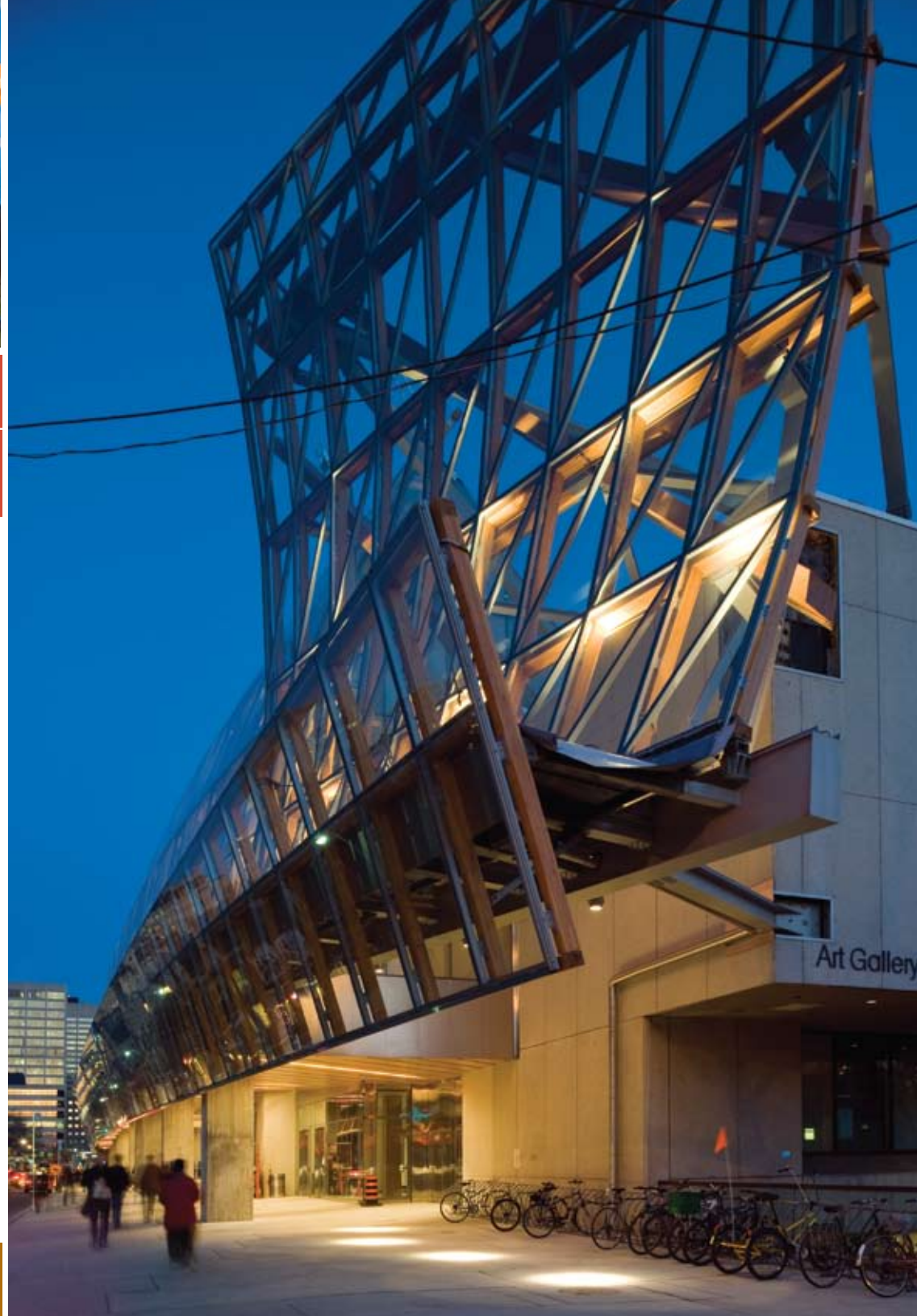




**Architect : Gehry Partners, LLP**

**Engineer : Halcrow Yolles**

Rows of 60 foot sweeping arches combined with extensive glazing bring art appreciation to a new level in Canada. The Art Gallery of Ontario (AGO) was transformed by world renown architect, Frank Gehry. Highlights of Gehry's vision include the use of Douglas-fir glulam arches, steel and glass. Controversial, swept with light, the amber of wood, and the views of sky and city, the AGO is an indelible architectural landmark.





Richmond Oval



Richmond BC

*The world's longest hybrid arches made of glulam and steel with a 320 ft clear span.*

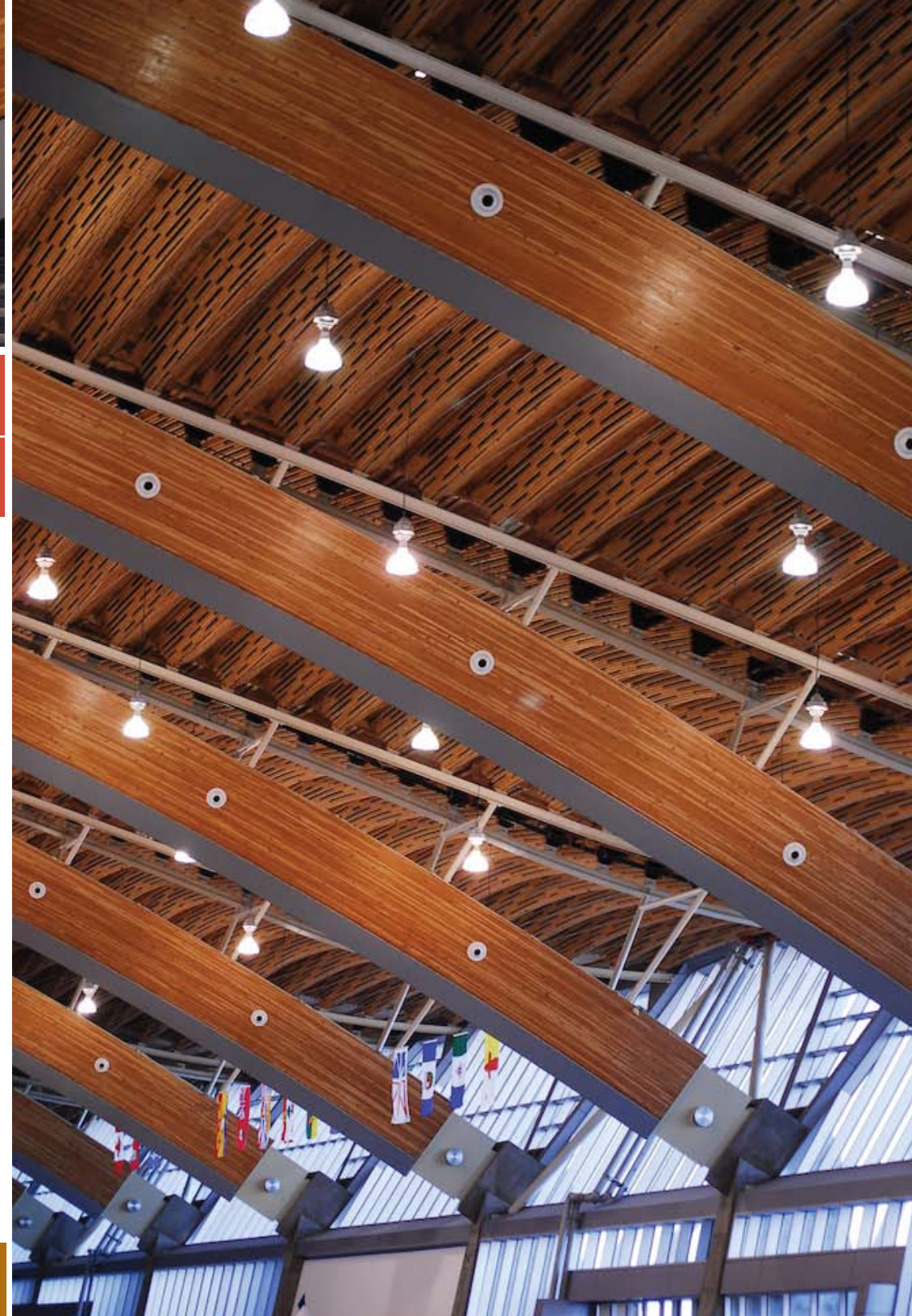




Architect : Cannon Design

Engineer : Fast + Epp

The Richmond Oval is the jewel in Structurlam's crown. Designed to represent the ebb and flow of the Fraser River estuary, the Oval's roof is a series of 15 composite glulam and steel arches which are nearly 100 metres in length. This expanse is linked by roof sections constructed from one million board feet of pine beetle-killed wood. The one of a kind "wood wave" design features arched Douglas-fir trusses and curved surface panels that give the roof a rippled appearance.





Kingsway Pedestrian Bridge



Burnaby BC

*Graceful glulam arches link areas within the Metrotown community and exemplify excellence in urban design.*





**Architect : Busby Perkins + Will**

**Engineer : Fast + Epp**

The graceful arc of the Kingsway Pedestrian Bridge exemplifies quality and is an exemplary vision in urban design. Sweeping 130 foot glulam arches made from quality Douglas-fir, span the horizon and intersect with futuristic needles of steel. Its bold stance proves that art can be functional in a metropolitan setting.





Earth Systems Science Building

Vancouver BC

*"8' x 37' cross laminated timber panels were taking flight every 9 minutes."*





**Architect : Perkins + Will**

**Engineer : Equilibrium Consulting**

Unearthing the possibilities. An exceptional academic program requires an exceptional physical space—the Earth Systems Science Building was designed to be a centre of discovery and learning. The use of CLT as the panels primary structural material helps the university achieve sustainability goals.

In addition to sustainability, a key advantage of using a CLT system is reduced construction time. Glulam beams were used to promote a sense of “openness” and to maximize viewing opportunities from the inside and out. Extending the use of outdoor space into the more inclement fall and winter months is achieved by providing a generous overhang and south facing terrace.





College of the Rockies



Cranbrook BC

*The clearly defined main entry has become a welcoming focal point and hub for the college community.*





**Architect : KMBR Architects Planners Inc.**

**Engineer : Bush, Bohlman & Partners**

College of the Rockies has created a welcoming space at the entrance to its main campus. The extensive use of glass provides indirect illumination within the space. Natural lighting makes the interior a comfortable central hub for the college community. The widespread use of wood responds to the community context, local resources and the close cultural ties between the college and the Ktunaxa Nation. The project targeted Gold certification under the LEED program.

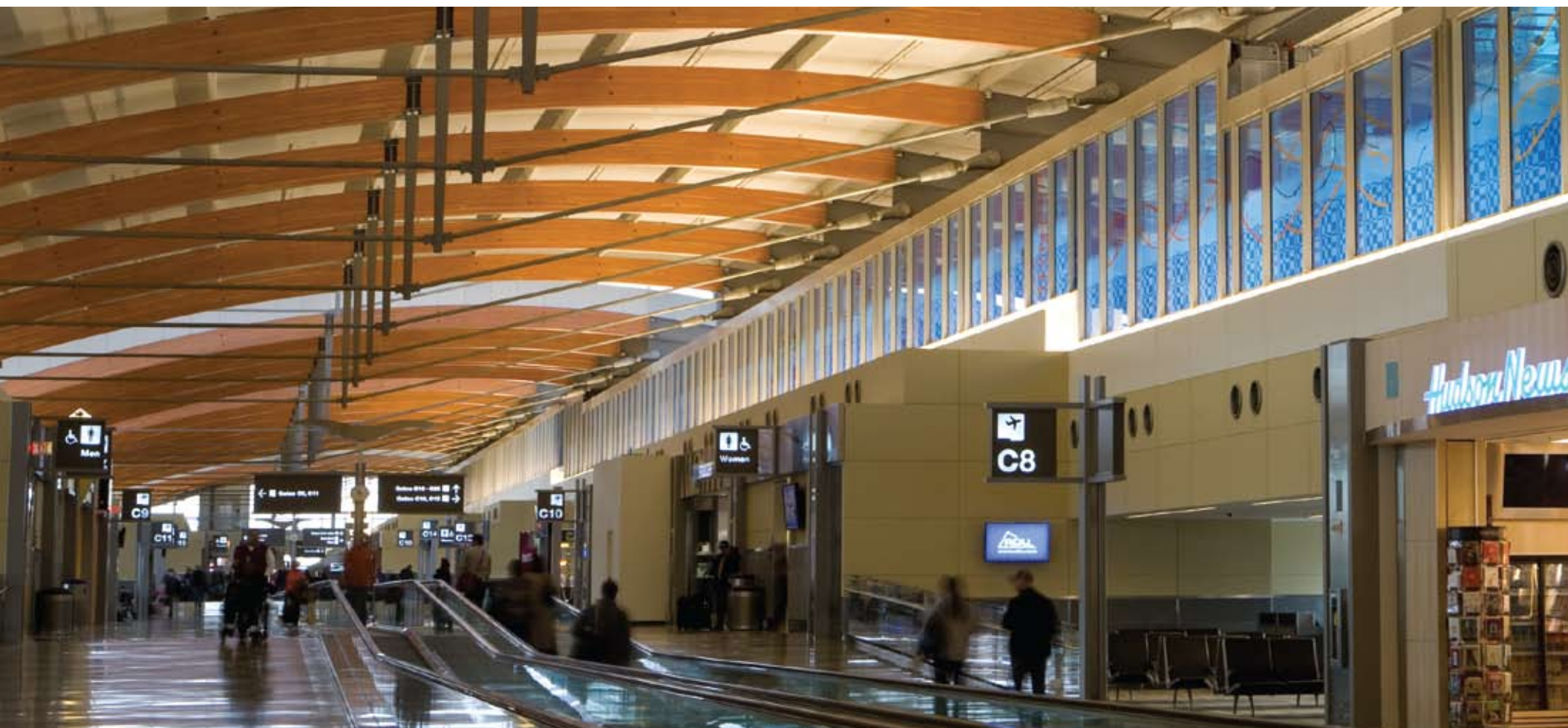




Raleigh-Durham International Airport

Raleigh NC

*Amazing airport architecture that showcases one-of-a-kind connectors and the longest glulam beams in the USA.*





**Architect : Fentress Bradburn**

**Engineer : ARUP Engineering**

Architects for the Raleigh Durham International Airport created a design that seeks to connect the traveller with the hilly terrain of the region. The use of glulam beams on the interior reflects the strong legacy of wood craftsmanship of the region. The roof encompasses a hybrid structural system that includes the largest glulam truss system in the US and one-of-a-kind steel connectors. It is a combination of glulam, wood, steel, and long spans supported by tension cables extending down to the roof from a steel mast above the roof.





Scholten Residence



Summerland BC

*A seamless transtion between exterior and interior is created by the use of glulam beams.*



*Photos supplied by Michael Elkan Photography*



**Architect : Clive Grout Architect Inc.**

**Engineer : Equilibrium Consulting Inc.**

A seamless transition between exterior and interior is created by the use of glulam beams. The overhanging glulam beams provide built-in shade during the heat of the day and take on the natural beauty of the surrounding landscape. The structural strength of the glulam beams allows for pivoting walls made of glass and wood.

As a great alternative to conventional framing, glulam beams allow for both unparalleled views and stargazing right from your own bedroom.

Photos supplied by Michael Elkan Photography





The Cove Lakeside Resort

West Kelowna BC

*Lakeside resort that was designed from historic references and includes extensive use of wood and stone.*





**Architect : Coast Architectural Group**

**Engineer : Elbury Dolan Consulting Ltd.**

Tucked away in its own private niche on Okanagan Lake, The Cove Lakeside Resort is aptly named. This resort hotel features clean, contemporary lines with a perfect balance of multi-stained glulam and stone. The private patio of the Grand Reserve Room was manufactured to replicate the natural look of heavy timber with a rustic finish and dark stain. The entrance to the resort was stained in lighter, softer tones to perfectly blend with the Okanagan landscape.





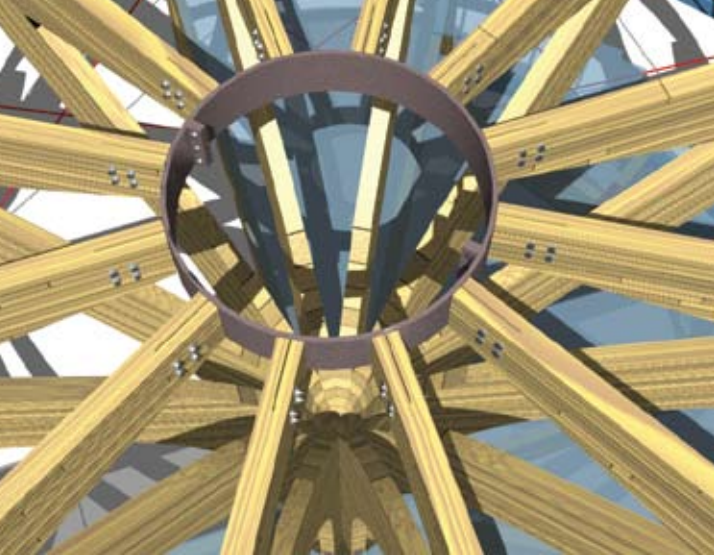
## The Structurlam Advantage

The area where we live is blessed with excellent raw material for glulam (interior Douglas-Fir). We enjoy taking this quality fibre and producing the world's finest glulam products. We especially enjoy taking complicated heavy timber projects from concept to reality. We want to be on the forefront of technology as we show the world the advantages, in terms of strength, beauty and sustainability, of building with wood.

Structurlam has been involved in the heavy timber industry for over 45 years. As the industry has grown and evolved, Structurlam has pioneered the use of technology and systems, which have become standard in the industry. The Structurlam Advantage includes:

1. One of the first in North America to perfect the use of 3D CAD software that allows us to be 100% accurate by identifying any errors quickly.
2. Use of sustainably harvested wood and offer premium Douglas-fir and Yellow Cedar as beautiful, renewable building materials.
3. One of the first to pioneer the launch of white glue which gives your heavy timbers transparent lamination lines.
4. Complete packages that make even elaborate projects easy to assemble and install.
5. An established partnership with a firm of engineers there to provide engineering design expertise.
6. A choice of finish that provides the look you want, from classic smooth to a rustic finish that resembles solid timber.

Structurlam is committed to promoting a clean environment and minimizing our environmental footprint. We apply this philosophy to both our products and our manufacturing processes.



## From Design to Installation | The Structurlam Process

It is no simple task to bring a design to life using wood, especially with today's designs of ever-increasing beauty and complexity. You need to have the right people, the right technology, and the right fibre. You will also need a process to bring it all together. Over the past 45 years, Structurlam has developed an efficient process to deliver heavy timber packages of the highest quality that meet project deadlines. We can work with your drawings after the design is complete. We can bring greater value and savings to a project if we are brought in early in the process - typically at the budget stage. We understand heavy timber construction, including glulam, solid sawn or Parallam. Our knowledge and manufacturing capabilities, allows us to make design suggestions that add value to your project by reducing costs.

Structurlam uses your final drawings to develop a 3D model of the project. This model is used to design the wood members and steel connectors. We also use the model to identify where additional efficiencies could be realized. The shop drawings for fabricating both the wood members and the steel connectors are then created from the 3D model. The digital file is downloaded directly to our CNC machines for fabrication ensuring precise measurements. Finally, we use the model to develop a material list for efficient purchasing, loading diagrams to optimize freight and assembly drawings for efficient and safe on-site erection.

Structurlam's process combines the expertise of our people with sophisticated timber design technology to ensure accurate fabrication where every piece is a perfect fit and no detail is missed. The end result is a building with optimized structural performance, rapid assembly and superior aesthetic appeal.

• educational • cultural • recreation + sport • public • commercial • residential • industrial

View our portfolio at [www.structurlam.com](http://www.structurlam.com).



**APA EWS**

Certified to CSA 0122 & 0177  
ANSI / AITC A190.1 standards



**FSC**

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Responsible Forest Management

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