



# A NEW GENERATION OF WALLS

**Structurlam Products** has created a cross-laminated timber (CLT) wall system called EcoStructure Wall System (ESWS) that can replace traditional concrete tilt-up walls.

- ESWS provides a lightweight, pre-fabricated, esthetic wall unit up to 40' long and 10' high with the potential for added features such as external rain barriers and pre-routed electrical and plumbing channels
- the Wall Systems arrive at the job site complete and ready to install, meeting the structural, architectural and environmental requirements of a project
- Structurlam was instrumental in providing key components — engineered wood panels and pillars — for the building of the world's tallest wood building, UBC Brocks Common, in BC



## UTILIZING CANADA'S FORESTS: RESULTS EXPECTED



**20,000 M<sup>3</sup>**  
OF CLT PRODUCED  
PER YEAR

**ESWS IS**  
**5 TIMES LIGHTER**  
THAN CONCRETE  
& **1/3 THINNER**  
THAN CONCRETE



**FULL-TIME  
JOBS CREATED**  
**10**

## INNOVATING WITH WOOD

- sustainably harvested underutilized species such as beetle-killed lodgepole pine, ponderosa pine and balsam fir are used to create this high value wood product
- can manufacture a complex, cost effective CLT wall system within 1.5 mm accuracy, have it arrive at the job-site complete and ready to install with minimal erection time
- prefabrication and ease of assembly, coupled with wood's strength and dimensional stability, and environmental attributes, makes it well-suited for use in bigger and taller buildings

## POTENTIAL OPPORTUNITIES

**MARKET: ARCHITECTS HAVE INCREASED FLEXIBILITY WITH THEIR DESIGN OPTIONS**

**ENVIRONMENT: CLT PANELS ARE CARBON NEGATIVE**

**MARKET: COMPLETE AND INNOVATIVE STRUCTURAL PACKAGES FOR BUILDING APPLICATIONS**



**STRUCTURLAM PRODUCTS LTD.**  
IS A MANUFACTURER OF HIGH  
QUALITY GLUE-LAMINATED  
BEAMS AND CROSS LAMINATED  
TIMBER

**PROJECT LOCATION:**  
PENTICTON, BRITISH COLUMBIA

*Structurlam has a track record of replacing concrete floor panels with our CrossLam CLT panels. Now we have a cost-effective wood alternative to concrete walls. Our ability for just-in-time delivery of a ready-to-install, solid-wood wall panel will shave weeks off construction schedules.*

— Bill Downing, President  
Structurlam Products LP

**Investments in Forest Transformation Program:** In 2010, Natural Resources Canada's Canadian Forest Service created the Investments in Forest Industry Transformation Program (IFIT) to support Canadian companies to develop and grow markets for new and innovative high-value products using Canada's forest resources. *For more information [www.nrcan.gc.ca/forests/federal-programs/13139](http://www.nrcan.gc.ca/forests/federal-programs/13139)*

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