



# GREEN, CLEAN & PRACTICAL

Cascade Pacific Green Buildings LLC Newsletter

August 2015

## Eco-Lam™ Timber Frame Building System

The Eco-Lam™ Timber frame Building System gives the owner a sustainable heavy timber building system at half the price of regular timber frame systems relying on old growth timbers.

It not only delivers value but also excels in design flexibility, clear-span capabilities, multistory options and consistent grading quality. Using engineered wood (glu-lam beams) Eco-Lam™ Timber Framed Building System is a Pre-engineered Building System. This allows for quick concise designs with short lead times and a much lower price tag.

It's the perfect structure for those people who love the look, feel and ambiance that heavy timber presents who are on a budget. One can have an Eco-Lam™ Timber Framed Building System built for around \$80.00 per square ft. including interior finish.

Designed by a **LEED GREEN ASSOCIATE** and **Certified Sustainable Building Advisor**. The Eco-Lam Timber Framed Building System is designed for disassembly and reuse, designed preserving old growth timber, designed for heating and cool-

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*"When we started I couldn't see the depth and beauty of this design looking at the drawings. As it progressed I became more and more excited. As each section of the interior was created and the building evolved I could see it was just what I wanted."*

- Craig Bauld

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Eco-Lam™ Timber Framed Building System Gresham, OR.  
Gresham

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Eco-Lam™ Timber Framed Building System (Getting ready for paint and stain)

# Eco-Lam™ Connections

Below are some Eco-Lam™ connections.



Peak connection



Mezzanine joist connection



Mezzanine and shed rafter connection



Column rafter connection



Eave connection

## Open House

Come see for Yourself

The New Eco-Lam™ Timber Framed Building System.

Open House Coming Soon!

### The Eco-Lam™ Timber Frame Building System

Is a lot more affordable than other Timber Framed Buildings. The Eco-Lam™ system allows for more people to enjoy the beauty and elegance of heavy timber design combined with sustainable environmentally responsible materials. This combination provides green solutions at affordable price points. Structures designed to last a lifetime disassembled and to be reused to extend into another life.

One of the most important functions of a building envelope is to provide an air tight exterior seal to control the interior environment. If you are going to control the interior environment you need to insure the interior environment is free of toxic chemicals. It's very important to understand not only what goes into the building envelope materials but also what one puts inside the building envelope. What good does it do to use environmentally save materials for the exterior when you don't do the same for the interior?

CP Green Buildings LLC. Takes pride insuring materials used in our building systems are environmentally safe and MADE IN THE USA.. We design and manufacture our engineered connections locally. We purchase our engineered wood regionally, have it shipped to our remanufacturing facility to be cut drilled and fitted together before we deliver it to your jobsite.

Pre-engineered to save you time and money in a holistic manner. Save on concrete costs, save on erection costs, save on material costs, save on engineering and architectural costs. The design is integrated looking at the building envelope holistically from each contracting discipline's perspective.

## Save Time, Save Money and save The environment

The Eco-Lam™ Timber Framed Building System will save the owner time, money and the environment while providing years and years of interior environmental comfort

This 2818sq ft. building was framed and covered in 22 days of some extreme weather, heavy winds, snow and rain.

Recently during a very hot 100 degree period in the Portland area the owner invited me out to experience the comfort level of the “Man Cave” even without any cooling system installed. It was at least 20 degrees cooler in his “Man Cave” than it was outside without the use of any HVAC system.

He will be installing a mini split heating and cooling system later this fall.

Needless to say he is, “over the moon” with pride and joy over his new “Man Cave”.

“ CP Green Buildings LLC takes pride insuring materials used on our building systems are environmentally safe and MADE IN THE USA.”



SIP's being placed and positioned on the Eco-Lam Timber framed System™

The Eco-Lam™ Timber Framed Building System includes the use of Structural Insulated Panels (SIP's) to provide an airtight and highly insulated building envelope. This allows the owner to experience future energy savings year after year both in heating and cooling all while providing the owner with the utmost interior comfort.

By incorporating the Eco-Lam™ Timber Framed Building System into a Pre-engineered Building System the customer is able to save money and time. The structural engineering is incorporated with the foundation design. By pre-engineering the Eco-Lam™ Timber Frame Building System as a clear span structure we open up countless interior design capabilities to suit just about any use imaginable.



Structural Insulated Panels (SIP's) covering the Eco-Lam™ Framing System

# Let us help you design and erect your building dream!

Let our design team collaborate with you and together create a space that represents you while blending with the natural environment. Lets create a place that not only protects you from the elements but also brings nature into your space while at the same time brings you into nature.

We believe in blending personal environments with the natural using sustainable methods friendly to nature. The Pre-engineered Eco-Lam™ Timber Framed Building System offers individuals the versatility and economic savings provided in Pre-engineered Building Systems, (PEB's) while incorporating environmentally friendly and sustainable building materials.

## Sustainability, Livability and Affordability

When speaking of sustainability in constructing dwellings most people think it's more expense than conventional forms of construction. CP Green Buildings LLC. Offers two distinct building families each very different but both extremely sustainable, affordable, flexible and available nationwide. The Eco-Lam™ Pre-engineered Timber Frame Building System and the Cold Formed Pre-engineered Steel Building System both offer sustainable materials, both are designed for disassembly, both are designed by a LEED GA, both are engineered to meet the International Building Code (IBC) one is steel the other is engineered wood. CP Green Buildings LLC. Not only makes sustainability affordable but profitable. Call us toady and learn more about these great building systems.

## Contact Us

Give us a call for more information about our services and products

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