

British Columbia Timber Building Technical Tour

October 3 to October 7, 2022

AIBC credits - TBC

BC Housing CPD credit - TBC

The Centre for Advanced Wood Processing (CAWP) at the University of British Columbia (UBC) is pleased to announce the British Columbia Timber Building Technical Tour to showcase leading manufacturers of mass-timber building components, prefabricated energy efficient homes, and modular building systems fabricators.

The UBC CAWP has been leading tours to Europe for over 20 years. This year's tour is an opportunity for participants to visit some of BC's leading mass-timber building component and prefabricated building systems manufacturers, many of whom have attended our past tours to Europe and have adopted and implemented principles and technologies into their manufacturing practices.

These companies provide building solutions to meet the sustainability and green building requirements of advanced energy efficient materials and mass-timber products for single family, multi-family, and non-residential construction.



Source: www.yasodhara.org

Itinerary:

Monday October 3rd

The tour will start at UBC and travel through picturesque BC by coach bus. The first stop of the tour will be at StructureCraft in Abbotsford, BC. StructureCraft is an Engineer-Build company specializing in timber and hybrid-timber structures. In addition to engineering and building services, the company manufactures DowelLam, Dowel Laminated Timber (DLT), the first all-wood mass timber panel in North America.



Paradigm Panel – Robotic framing line

The second stop for the day will be at Paradigm Panels in Barrier, BC. Paradigm is one of the first automated panel processing lines in North America to incorporate robots into their operations. The company produces open and closed wall systems for both single family and multi-family residential projects.

Tuesday October 4

On day two, the first stop will be at award winning Daizen Joinery in Kamloops, BC. Daizen is a specialty timber frame company combining precision CAD/CAM technology and Japanese handcrafted workmanship to deliver custom timber frame structures. Daizen is one of the most successful and innovative timber frame operations in the BC Interior with clients throughout Western Canada, the Pacific Northwest, California, and Hawaii.



Daizen Joinery

The second stop of the day will be at Adaptive Homes in Revelstoke, BC. Adaptive Homes is a manufacturer of high performance modular homes. The focus of the company is to produce affordable, environmentally sustainable, and energy efficient homes.

The tour will then make its way through the Shuswap Region into the Kootenay's where the group will unwind for the day.

Wednesday October 5

On day three, the tour will start with a short ferry ride to Kootenay Bay to visit Yasodhara Ashram, a yoga retreat founded in 1963 and the home of the award winning Temple of Light designed by Patkau Architecture. The visit will be guided by representatives from Spearhead Timberworks, the company responsible for manufacturing this architectural marvel.



Temple of Light

Upon the completion of the visit, we will hop back onto the ferry to visit Spearhead Timberworks. Spearhead is a multi-faceted value-added manufacturing company specializing in the design and fabrication of architectural timber and steel. The company supplies a wide range of building components from structural timber and steel, to panelized wall and roof assemblies, millwork and finish materials. In 2021 the company commissioned one of the largest 5-axis timber processing centres in North America. This machining centre has increased the manufacturing capabilities by giving the company the flexibility to work on free-form structures.

The third stop of the day will be at Purcell Timber Frame Homes in Nelson. Purcell builds world-class prefabricated luxury homes with a focus on natural, healthy, and sustainable homes. The homes are typically built from the highest quality BC Douglas fir and western red cedar and sold throughout North America.

Thursday, October 6

On day four, we will first Kalesnikoff. Kalesnikoff has been in the sawmilling business since 1940, supplying specialty products for both the domestic and international markets. In 2019 the company announced its decision to vertically integrate and invest into a new manufacturing facility to produce Glulam beams, Cross-Laminated Timber (CLT), and Glue-Laminated Timber (GLT) panels. The glulam line was commissioned in 2020 with the CLT production line following suit in 2021.



Kalesnikoff

The second stop will be at Structurlam, the pioneer of mass-timber CLT and GLT manufacturing in BC. The company is the first CLT manufacturer in North America and the supplier of CLT to the UBC Brock Commons, one of the world's tallest hybrid mass-timber wood buildings.

The day will wrap up at TIME Winery in Penticton, BC. This facility was home to the Pen Mar movie theatre (1956 to 2012) and after a large renovation which incorporated CLT, curved glulam, and NLT, it is now home to Time Winery, the south Okanagan's first urban winery.

Friday October 7



Nicola Logworks

On the final day, we will visit Nicola Logworks, a custom log home builder in the Nicola Valley specializing in post and beam log house with specialty joinery. Owner John Boys and his team's experience with massive log and timber joinery was called upon in the first installation of CLT in Canada on the UBC Campus. For more information.

UBC initiated the Timber Building Tours in 2001, and it has grown in popularity with each successive offering. A maximum participation limit of 25 people is in effect to allow building tours to be kept to a manageable size. Thanks to generous funding support from Forestry Innovation Investment, the tour (including the cost of hotels, transportation) can be offered to BC members of the architectural, engineering, and wood manufacturing communities at a special rate of \$1995. (The full cost is \$2495 per person). Breakfast and lunch during the tour will be provided by the hotel. Participants will be required to pay for their own dinners. If you would like to know more about the British Columbia Timber Building Tour, please email: jason.chiu@ubc.ca or call Jason Chiu at 604 822-0082.