



## HOW BC FOREST PRODUCTS ARE USED TODAY

### ENGINEERING ON DISPLAY AT LONDON VANCOUVERISM EXHIBIT

#### **Richmond Speed Skating Oval, Richmond, British Columbia Fast + Epp Engineers**

The Richmond Speed Skating Oval is designed as a first-class facility for the 2010 Olympic and Paralympic Games, and will be converted for community multi-sport and wellness activities afterwards. It has been designed to LEED silver level. The most unique and spectacular element of the building design is the wood-framed roof, which is 2.6 hectares (6.5 acres) in area and features some of the longest clear spans in North America –nearly 100 metres. The innovative roof design is the only one like it in the world and uses glulam assemblies and a unique curved panel system giving the roof a rippled appearance.

#### **Whistler Public Library, Whistler, British Columbia Hughes Condon Marler Architects Fast + Epp Engineers**

The Whistler Public Library is built to a LEED Gold standard and features a new innovative roof design made out of binding hemlock together to produce an exceptionally strong and sound-absorbent material. Hemlock grows abundantly in the Province of British Columbia's forests, but has traditionally not been used widely by architects and builders. By re-purposing an under-used product, the project showcases a new innovative application for this sustainable material.

#### **Central City, Surrey, British Columbia Bing Thom Architects Fast + Epp Engineers**

Central City is a unique multi-use public building that brings the outdoors inside with open spaces and daylight. A focal point for urban redevelopment and revitalization in Whalley, the building soars 23 stories and is a recognizable Surrey landmark from miles away. The engineers developed innovative long-span wood roof systems with a variety of techniques, including composite trusses, space frames and wide use of peeler cores, a byproduct of the plywood industry.

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**Squamish Adventure Centre  
Iredale Architects**

The Squamish Adventure Centre is a landmark building that welcomes visitors along the scenic Sea-to-Sky Highway between Vancouver and Whistler. Constructed of local Douglas-fir, the structure comprises over 1,000 uniquely crafted elements detailed and precision-milled in the finest tradition of Canadian timber frame building.

**Brentwood Skytrain  
Busby Perkins and Will Architects  
Fast + Epp Engineers**

Brentwood station is one of the flagship Sky Train stations built for the Millennium Line. The station platform's sleek and dynamic enclosure is derived from the structural components of wood and steel which have been custom-designed to form the elegant curved profile of the station. The unexpected use of wood gives this high-tech urban node a truly west coast feel—and shows that BC's locally grown building material can be as modern as steel or concrete.

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