



Richmond Olympic Oval Roof

Richmond, BC

When the City of Richmond was awarded the long track speed skating venue for the 2010 Vancouver Winter Olympics, they presented the design team with a tall order – to design a signature landmark building which could accommodate legacy uses and showcase BC wood products.

Fast + Epp rose to the challenge, designing an award-winning roof structure along with architects at Cannon Design. Sweeping long span timber-steel hybrid arches are a world first and support a visually entrancing array of 'Wood Wave' panels that immediately capture the attention of visitors to the venue. The roof structure conceals all mechanical and electrical services within the hybrid arches, creating striking, uncluttered architectural expression. The wave panels, constructed with extensive use of simple pine beetle kill 2 x 4s, sustainably and economically responded to the epidemic plaguing BC's forests. The perforated panel structure yields outstanding acoustic performance and sprinklers were fabricated inside the panels, making the entire structure a truly integrated design.

Fast + Epp

Status
Completed 2008

Project Cost
\$178 million

Area
506,000 ft² (47,008 m²)

Architect
Cannon Design

Client
The City of Richmond

