



# Multi-storey Continuous CLT Shear Wall Testing

## Prince George, BC

To support the associated elementary school projects in pushing the boundaries forward for wood construction in seismic zones, this testing project aims to establish the seismic behaviour of two-storey continuous cross-laminated (CLT) timber shear walls in comparison to typical single-storey CLT shear walls and ensure they are able to provide necessary ductility in a seismic event.

Working with the University of Northern British Columbia (UNBC), Fast + Epp aimed to complete a series of monotonic and reversed cyclic tests on CLT shear walls. The test setup was developed to determine the behaviour of these types of shear walls for the project specific application, as well as provide a basis to further develop this type of system for the engineering community.

The multi-storey continuous CLT panel shear walls will allow for more efficient and cost-effective construction – reducing construction time, material handling, and the number of connectors required. The lab testing of these shear walls is complete, with data analysis underway. Results are intended to be published in 2021.

## Fast + Epp

### Project Partner

Thomas Tannert, University of Northern British Columbia

### Project Type

Testing Program

### Funding

None

### Associated Projects

Sir Matthew Begbie Elementary School, Bayview Elementary School

### Publications and Links

None

