



Operational Performance of Cross Laminated Timber: Brock Commons Tallwood House

<https://research.thinkwood.com/en/permalink/catalogue2679>

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Walls
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Serviceability
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Summary:

The Tallwood House project was intended to advance the design and manufacture of mass timber products in Canada and demonstrate that mass timber is a viable structural option for mid-rise and high-rise buildings. The use of mass timber and engineered wood products in high-rise construction is becoming more common around the world leading to a growing interest in the performance of mass timber over time.

This report describes the performance of the mass timber structure in Tallwood House, between September 2017 and August 2019, based on measurements of the moisture content in the prefabricated CLT floor panels and the displacement of the vertical structural system. It is intended to initiate discussions on the performance of mass timber structure elements during building occupancy and lead to further research that can explore the influential factors.

Online Access: Free

Resource Link

<https://sustain.ubc.ca/sites/default/files/UBC%20Brock%20Commons%20Structural%20Performance%20Report%20Sept%202020.pdf>