



Apparent Sound Insulation in Cross-Laminated Timber Buildings

<https://research.thinkwood.com/en/permalink/catalogue1276>

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Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Acoustics and Vibration

Connections

Keywords: Airborne Sound Transmission

Adhesives

Language: English

Research Status: Complete

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Resource Link

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Connection and Performance of Two-Way CLT Plates Phase II

<https://research.thinkwood.com/en/permalink/catalogue2086>

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Organization: University of British Columbia

Year of Publication: 2019

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)
PSL (Parallel Strand Lumber)
LVL (Laminated Veneer Lumber)

Application: General Application

Topic: Mechanical Properties
Connections

Keywords: Deflection
Two-Way
Bending
Finite Element Method
Model

Language: English

Research Status: Complete

Summary:

In Phase I of Developing Large Span Two Way CLT Floor System (2017-18) we studied the performance of a steel plate connection system for the minor direction of CLT plates. The connected specimens had higher stiffness and strength compared to intact members under bending. In Phase II (2018-19) we designed and tested another connector based on...

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<http://team.sites.olt.ubc.ca/files/2019/04/TEAM-Report-2018-07-Phase-II-Connection-and-performance-of-Two-way-CLT-Plate.pdf>