



Study of Massive Timber Walls based on NLT and Post Laminated LVL

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Author: Zhang, Chao
Lee, George
Lam, Frank

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Material: LVL (Laminated Veneer Lumber)
NLT (Nail-Laminated Timber)

Application: Shear Walls

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Mechanical Properties

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Glue Lines
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Sheathing
Load Carrying Capacity
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Shear Strength

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Summary:

Currently the massive timber shear walls are mainly made from Cross Laminated Timber (CLT), which possesses a high in-plane shear strength and rigidity. But only part of its elements (mainly the vertically aligned laminae) are engaged in carrying the vertical load and that could be a limitation when designing taller timber structures or wherever higher...

Online Access: Free

Resource Link

<http://team.forestry.ubc.ca/files/2018/05/TEAM-Report-2017-07-Mass-Timber-Walls-based-on-NLT-and-Post-Laminated-LVL-1.pdf>