



## Prototype Mass Timber Office Building Models: Material Quantities and Preliminary Life Cycle Assessment: Internal Report

<https://research.thinkwood.com/en/permalink/catalogue2547>

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Year of Publication: 2018

Country of Publication: United States

Format: Report

Material: CLT (Cross-Laminated Timber)  
Glulam (Glue-Laminated Timber)

Topic: Design and Systems  
Environmental Impact

Keywords: Mid-Rise  
Mass Timber  
Prototype  
Model  
LCA  
Life-Cycle Assessment

Language: English

Research Status: Complete

### Summary:

The goal of this work was to develop material quantity estimates of a typical mid-rise office building in the Pacific Northwest and to deliver the results to the Forestry Research Team in the University of Washington (UW) College of the Environment School of Environmental and Forest Sciences. The Forestry Research Team will then use these results to develop regionally specific life cycle inventory data to support the greater study funded by the 2015 McIntire-Stennis Research Grant, which is “to assist small and medium-sized wood products companies and Native American tribal enterprises to understand and adapt to changing market conditions” (<http://depts.washington.edu/sefsifr/2015-mcintire-stennis-grantwinners/>).

Online Access: Free

### Resource Link

<http://carbonleadershipforum.org/projects/mass-timber-optimization-and-lca/>