



## Development of Southern Pine Cross-Laminated Timber for Building Code Acceptance

<https://research.thinkwood.com/en/permalink/catalogue474>

Author: Hindman, Daniel  
Bouldin, John

Year of Publication: 2014

Country of Publication: Canada

Format: Conference Paper

Material: CLT (Cross-Laminated Timber)

Topic: Acoustics and Vibration  
Fire  
Mechanical Properties  
Market and Adoption

Keywords: Southern Pine  
Fire Performance  
Acoustical Performance  
International Building Code

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 10-14, 2014, Quebec City, Canada

Summary:

The current interest and growth of cross laminated timber (CLT) products has spurred interest in the manufacture of CLTs in the United States. The purpose of this paper is to explore the development of CLT materials from southern pine lumber commonly available in Virginia. A 5-layer CLT panel has been constructed using No. 2 southern pine lumber. Evaluation of mechanical properties, fire performance and acoustical performance were conducted. Results of these evaluations can guide the development and acceptance of CLT products in the International Building Code.

Online Access: Free

Resource Link

[http://schr.ws/hosted\\_files/wcte2014/1e/ABS575\\_Hindman\\_web.pdf](http://schr.ws/hosted_files/wcte2014/1e/ABS575_Hindman_web.pdf)