



Integrating Cross-Laminated Timber Panels to Construct Buildings To 20 Levels

<https://research.thinkwood.com/en/permalink/catalogue456>

Author: Chapman, John
 Year of Publication: 2014
 Country of Publication: Canada
 Format: Conference Paper
 Material: CLT (Cross-Laminated Timber)
 Application: Wood Building Systems
 Topic: Design and Systems
 Keywords: Multi-Storey
 Integrated Elements
 Language: English
 Conference: World Conference on Timber Engineering
 Research Status: Complete
 Notes: August 10-14, 2014, Quebec City, Canada
 Summary:

A worldwide interest in timber multi-storey buildings is expected due to the environmental advantages of timber construction when compared to buildings in concrete and steel. Cross-laminated Timber, or CLT, was developed in the early 1990's and glues a...

Online Access: Free

Resource Link

http://schr.ws/hosted_files/wcte2014/ed/ABS392_Chapman_web.pdf



A Theoretical Approach Towards Ressource Efficiency in Multi-Story Timber Buildings Through BIM and Lean

<https://research.thinkwood.com/en/permalink/catalogue1910>

Author: Santana-Sosa, Aida
Riola Parada, Felipe

Year of Publication: 2018

Country of Publication: Korea

Format: Conference Paper

Material: LVL (Laminated Veneer Lumber)
Timber-Concrete Composite
Light Frame (Lumber+Panels)

Application: Wood Building Systems
Walls
Columns

Topic: Design and Systems
Cost

Keywords: Multi-Story
Integrated Elements
Offsite Construction
Collaborative Work
Interdisciplinary Process

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 20-23, 2018, Seoul, Republic of Korea

Online Access: Free

Resource Link

https://www.researchgate.net/publication/331354920_A_Theoretical_Approach_Towards_Ressource_Efficiency_in_Multi-Story_Timber_Buildings_Through_BIM_and_LEAN



Timber Multi-Level Buildings to 20 Levels Based on a Central Core of Integrated CLT Panels

<https://research.thinkwood.com/en/permalink/catalogue1804>

Author: Chapman, John
Publisher: New Zealand Timber Design Society
Year of Publication: 2018
Country of Publication: New Zealand
Format: Journal Article
Material: CLT (Cross-Laminated Timber)
Application: Hybrid Building Systems
Wood Building Systems
Topic: Design and Systems
Keywords: Panels
Multi-Storey
Integrated Elements
Structural Design
Tall Wood
Language: English
Research Status: Complete

Summary:

This research investigates a new structural system based on a central core of CLT (cross-laminated timber) panels to provide more useful multi-level timber buildings that are taller and with open floor areas. Because pinus radiata is a suitable timber for the manufacture of CLT panels, the system has the potential to add value...

Online Access: Free

Resource Link

<http://www.timberdesign.org.nz/journal/multi-story-construction/timber-multi-level-buildings-to-20-levels-based-on-a-central-core-of-integrated-clt-panels/>