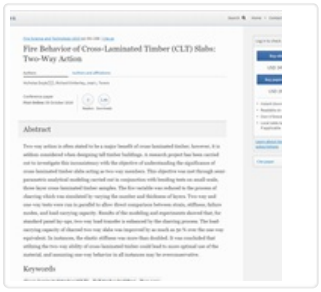


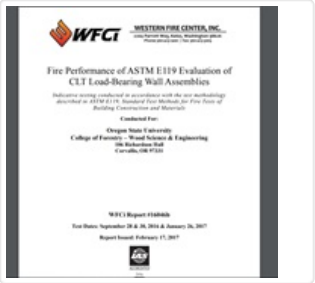
Fire Behavior of Cross-Laminated Timber (CLT) Slabs: Two-Way Action

https://research.thinkwood.com/en/permalink/catalogue1413

Author:	Doyle, Nicholas
	Emberley, Richard
	Torero, José
Publisher:	Springer, Singapore
Year of Publication:	2017
Country of Publication:	Singapore
Format:	Book Section
Material:	CLT (Cross-Laminated Timber)
Application:	General Application
Topic:	Fire
Keywords:	Analytical Model
	Bending Tests
	Small Scale
	Strain
	Stiffness
	Failure Modes
	Load Carrying Capacity
	Two-Way
	Elastic Stiffness
Language:	English
Research Status:	Complete
Series:	Fire Science and Technology 2015
ISBN:	978-981-10-0376-9
Online Access:	Payment Required

Resource Link

https://doi.org/10.1007/978-981-10-0376-9_28



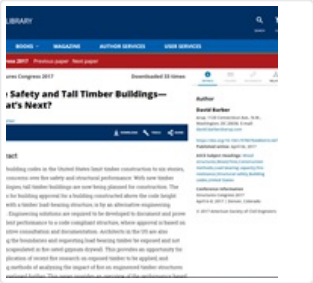
Fire Performance of ASTM E119 Evaluation of CLT Load-Bearing Wall Assemblies

https://research.thinkwood.com/en/permalink/catalogue1720

Organization:	Oregon State University
Year of Publication:	2017
Country of Publication:	United States
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	Walls
Topic:	Fire
Keywords:	Fire Resistance
	Load Bearing
	Temperature
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://tallwoodinstitute.org/clt-fire-testing-reports



Fire Safety and Tall Timber Buildings—What's Next?

https://research.thinkwood.com/en/permalink/catalogue1253

Author:	Barber, David
Organization:	Structures Congress
Publisher:	American Society of Civil Engineers
Year of Publication:	2017
Country of Publication:	United States
Format:	Conference Paper
Material:	Glulam (Glue-Laminated Timber)
Application:	Wood Building Systems
Topic:	Design and Systems
	Market and Adoption
Keywords:	Fire Safety
	Exposed Load Bearing Timber
	Concealed Connections
Language:	English
Conference:	Structures Congress 2017
Research Status:	Complete
Notes:	April 6–8, 2017, Denver, Colorado

Summary:

Model building codes in the United States limit timber construction to six stories, due to concerns over fire safety and structural performance. With new timber technologies, tall timber buildings are now being planned for construction. The process for building approval for a building constructed above the code height limits with a timber load-bearing structure...

Online Access: Payment Required

Resource Link

https://doi.org/10.1061/9780784480410.047

Pres-Lam in the US: The Seismic Design of the Peavy Building at Oregon State University

https://research.thinkwood.com/en/permalink/catalogue1475

Author:	Sarti, Francesco
	Smith, Tobias
	Danzig, Ilana
	Karsh, Eric
Year of Publication:	2017
Country of Publication:	New Zealand
Format:	Conference Paper
Material:	CLT (Cross-Laminated Timber)
	Glulam (Glue-Laminated Timber)
	Timber-Concrete Composite
Application:	Hybrid Building Systems
Topic:	Design and Systems
	Mechanical Properties
	Seismic
Keywords:	Pres-Lam
	Load Carrying Capacity
	US
	Codes
	Nonlinear Time History Analysis
Language:	English
Conference:	New Zealand Society for Earthquake Engineering Conference
Research Status:	Complete
Notes:	April 27-29, 2017, Wellington, New Zealand

Summary:

Pres-Lam is a post-tensioned rocking timber technology that has been developed over the last decade at the University of Canterbury. Pres-Lam overcomes a major challenge in timber construction, the development of a high strength moment...

Online Access: Free

Resource Link

http://db.nzsee.org.nz/2017/O5C.1_Sarti.pdf