Fire Demonstration: Cross-Laminated Timber Stair/Elevator Shaft

https://research.thinkwood.com/en/permalink/catalogue1277

Author:	Joseph Su
	Saša Muradori
Organization:	National Research Council of Canada
Year of Publication:	2015
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	Floors
	Walls
	Shafts and Chases
Topic:	Fire
Keywords:	Origine
	Fire Resistance
	Exterior Walls
Language:	English
Online Access:	Free

Resource Link

http://doi.org/10.4224/21277597

Full-Scale Fire Test of a Mass Timber Vertical Shaft in Support to Tall Wood Buildings Canadian Initiative

https://research.thinkwood.com/en/permalink/catalogue1673

Author:	Lindsay Ranger
	Joseph Su
	Christian Dagenais
Year of Publication:	2016
Country of Publication:	Austria
Format:	Conference Paper
Material:	CLT (Cross-Laminated Timber)
Application:	Wood Building Systems
	Shafts and Chases
Topic:	Fire
Keywords:	Full Scale
	Fire Test
	Canada
	Tall Wood
Language:	English
Conference:	World Conference on Timber Engineering
Notes:	August 22-25, 2016, Vienna, Austria p. 3881-3887

Abstract:

A full-scale demonstration fire was conducted at National Research Council Canada (NRCC) to show that a 2-hr non-standard severe design fire in an apartment would have little or no effect on an adjacent elevator or stair shaft. The test was performed to support the approval of an alternative solution for a deemed-to-satisfy 2-hr...

Online Access: Free

Resource Link

http://repositum.tuwien.ac.at/obvutwoa/content/pageview/1649393

Full-Scale Mass Timber Shaft Demonstration Fire

https://research.thinkwood.com/en/permalink/catalogue3

Author:	Christian Dagenais
	Joseph Su
	Lindsay Ranger
	Sasa Muradori
Organization:	FPInnovations
	National Research Council of Canada
Year of Publication:	2015
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	Shafts and Chases
Topic:	Fire
Keywords:	Type X Gypsum Board
	Origine
	Fire Demonstration
Language:	English
Online Access:	Free

Resource Link

http://www.mffp.gouv.qc.ca/publications/forets/entreprises/rapport-resistance-feu-ang.pdf

Seismic Design of Core-Walls for Multi-Storey Timber Buildings

https://research.thinkwood.com/en/permalink/catalogue134

Author:	Andrew Dunbar
	Stefano Pampanin
	Alessandro Palermo
	Andrew Buchanan
Year of Publication:	2013
Country of Publication:	New Zealand
Format:	Conference Paper
Material:	CLT (Cross-Laminated Timber)
Application:	Shafts and Chases
Topic:	Design and Systems
	Seismic
Keywords:	Multi-Storey
	Prefabrication
	Pres-Lam
	Residential
	Quasi-Static Loading
	Energy Dissipation
	U-Shaped Flexural Plates
Language:	English
Conference:	New Zealand Society for Earthquake Engineering Conference
Notes:	April 26-28, 2013, Wellington, New Zealand

Abstract:

This paper describes options for seismic design of pre-fabricated timber core-wall systems, used as stairwells and lift shafts for lateral load resistance in multi-storey timber buildings. The use of Cross-Laminated Timber (CLT) panels for multi-storey timber buildings is gaining popularity throughout the world, especially for residential construction...

Online Access:	Free

Resource Link

http://www.nzsee.org.nz/db/2013/Poster_52.pdf

Seismic Design of Core-Wall Systems for Multi-Storey Timber Buildings

https://research.thinkwood.com/en/permalink/catalogue1149

Author:	Andrew Dunbar
Organization:	University of Canterbury
Year of Publication:	2014
Country of Publication:	New Zealand
Format:	Thesis
Material:	CLT (Cross-Laminated Timber)
Application:	Wood Building Systems
	Shafts and Chases
Topic:	Seismic
	Design and Systems
Keywords:	Post-Tensioned
	Core-Walls
	Quasi-Static
	Seismic Loading
	Multi-Storey
	U-Shaped Flexural Plates
Language:	English
Online Access:	Free

Resource Link

http://hdl.handle.net/10092/9047

Seismic Testing of Post-Tensioned Pres-Lam Core Walls Using Cross Laminated Timber

https://research.thinkwood.com/en/permalink/catalogue1292

Author:	Daniel Moroder
	Tobias Smith
	Andrew Dunbar
	Stefano Pampanin
	Andrew Buchanan
Publisher:	ScienceDirect
Year of Publication:	2018
Country of Publication:	Netherlands
Format:	Journal Article
Material:	CLT (Cross-Laminated Timber)
Application:	Shafts and Chases
	Walls
Topic:	Seismic
	Connections
Keywords:	Pres-Lam
	Core Walls
	Quasi-Static
	Seismic Loading
	Screws
	U-Shaped Flexural Plates
	Energy Dissipation
Language:	English
Series:	Engineering Structures
Online Access:	Payment Required

Resource Link

https://doi.org/10.1016/j.engstruct.2018.02.075