



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

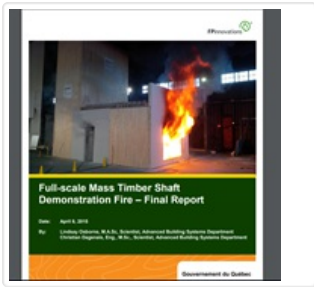
Abstract:

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

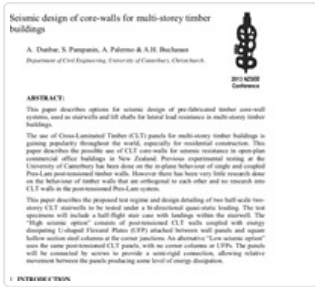
Keywords: Type X Gypsum Board
Origine
Fire Demonstration

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
Publication:
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>