



Building Envelope Summary: Hygrothermal Assessment of Systems for Mid-Rise Wood Buildings

<https://research.thinkwood.com/en/permalink/catalogue250>

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Organization: National Research Council of Canada

Year of Publication: 2014

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)
 Light Frame (Lumber+Panels)

Application: Wood Building Systems

Topic: Design and Systems
 Fire
 Moisture

Keywords: National Building Code of Canada
 Mid-Rise
 Building Envelopes

Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://doi.org/10.4224/21274555>



Fire Demonstration: Cross-Laminated Timber Stair/Elevator Shaft

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

Author: Su, Joseph
Muradori, Saša

Organization: National Research Council of Canada

Year of Publication: 2015

Country of Publication: Canada

Publication: Report

Material: CLT (Cross-Laminated Timber)

Application: Floors
Walls
Shafts and Chases

Topic: Fire

Keywords: Origine
Fire Resistance
Exterior Walls

Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://doi.org/10.4224/21277597>



Fire Endurance of Cross-Laminated Timber Floor and Wall Assemblies for Tall Wood Buildings

<https://research.thinkwood.com/en/permalink/catalogue1094>

Author: Su, Joseph
Roy-Poirier, Audrey
Leroux, Patrice
Lafrance, Pier-Simon
Gratton, Karl
Gibbs, Eric
Berzins, Robert

Organization: National Research Council of Canada

Year of Publication: 2014

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Walls
Floors

Topic: Fire

Keywords: Tall Wood
Full Scale
Fiberglass Wool
Encapsulated
Type X Gypsum Board
Fire Endurance Tests

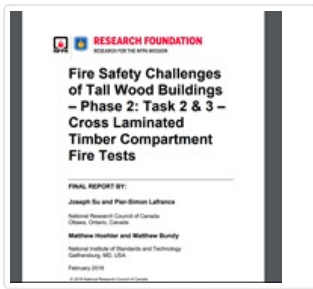
Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://doi.org/10.4224/21277598>



Fire Safety Challenges of Tall Wood Buildings – Phase 2: Task 2 & 3 – Cross Laminated Timber Compartment Fire Tests

<https://research.thinkwood.com/en/permalink/catalogue1214>

Author: Su, Joseph
Lafrance, Pier-Simon
Hoehler, Matthew
Bundy, Matthew

Organization: National Research Council of Canada

Publisher: Fire Protection Research Foundation

Year of Publication: 2018

Country of Publication: United States

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Fire


Keywords: Compartment Fire Test
Tall Wood
North America
Type X Gypsum Board
Ventilation

Language: English

Research Status: Complete

Online Access: Free

Resource Link

<https://www.nfpa.org/News-and-Research/Data-research-and-tools/Building-and-Life-Safety/Fire-Safety-Challenges-of-Tall-Wood-Buildings-Phase-2/Fire-Safety-Challenges-of-Tall-Wood-Buildings-Phase-2-Tasks-2-and-3> 



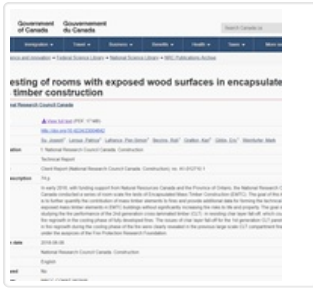
Fire Safety of Buildings in Canada

<https://research.thinkwood.com/en/permalink/catalogue1866>

Author: Su, Joseph
Organization: National Research Council of Canada
Publisher: Society of Wood Science and Technology
Year of Publication: 2018
Country of Publication: Canada
Format: Journal Article
Material: CLT (Cross-Laminated Timber)
Application: Wood Building Systems
Topic: Fire
Keywords: Fire Safety
Fire Protection
Fire Resistance
Performance Based Design
Building Codes
Language: English
Research Status: Complete
Series: Wood and Fiber Science
Online Access: Free

Resource Link

<https://nrc-publications.canada.ca/eng/view/fulltext/?id=9cc26d3a-8726-4edf-8639-13e3f0d44bfb>



Fire Testing of Rooms with Exposed Wood Surfaces in Encapsulated Mass Timber Construction

<https://research.thinkwood.com/en/permalink/catalogue1867>

Author: Su, Joseph
Leroux, Patrice
Lafrance, Pier-Simon
Berzins, Robert
Gibbs, Eric
Weinfurter, Mark

Organization: National Research Council of Canada

Publisher: National Research Council Canada. Construction

Year of Publication: 2018

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems
General Application

Topic: Fire

Keywords: Encapsulated
Mass Timber
Fire Tests
Fire Performance
Char Layer
Fire Regrowth

Language: English

Research Status: Complete

Series: Client Report (National Research Council Canada. Construction)

Online Access: Free

Resource Link

<http://doi.org/10.4224/23004642>



Full Scale Exterior Wall Test on Nordic Cross-Laminated Timber System

<https://research.thinkwood.com/en/permalink/catalogue2>

Author: Gibbs, Eric
Su, Joseph

Organization: National Research Council of Canada

Year of Publication: 2015

Country of Publication: Canada

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Walls

Topic: Design and Systems
Fire

Keywords: Full Scale
Type X Gypsum Board
Exterior Wall

Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://doi.org/10.4224/21277596>



Full-Scale Fire Resistance Tests on Cross-Laminated Timber

<https://research.thinkwood.com/en/permalink/catalogue399>

Organization: National Research Council of Canada

Year of Publication: 2012

Country of Publication: Canada

Publication:

Format: Report

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Fire

Keywords: Charring Rate

Full Scale

Fire Resistance

North America

Code

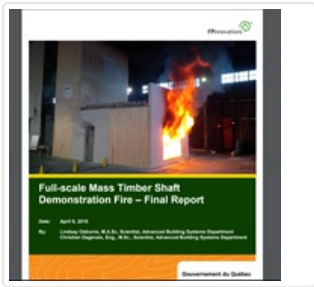
Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://www.nrc-cnrc.gc.ca/ci-ic/article/v17n4-4>



Full-Scale Mass Timber Shaft Demonstration Fire

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

Author: Dagenais, Christian
Su, Joseph
Ranger, Lindsay
Muradori, Sasa

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

Research Status: Complete

Online Access: Free

Resource Link

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



Full-Scale Standard Fire Resistance Test of a Wall Assembly for Use in Lower Storeys Of Mid-Rise Buildings

<https://research.thinkwood.com/en/permalink/catalogue347>

Author: Lafrance, Pier-Simon
Berzins, Robert
Leroux, Patrice
Su, Joseph
Lougheed, Gary

Organization: National Research Council of Canada

Year of Publication: 2014

Country of Publication: Canada

Format: Report

Material: Light Frame (Lumber+Panels)

Application: Wood Building Systems

Topic: Fire

Keywords: Fire Resistance
Mid-Rise

Language: English

Research Status: Complete

Online Access: Free

Resource Link

<http://doi.org/10.4224/21274560>