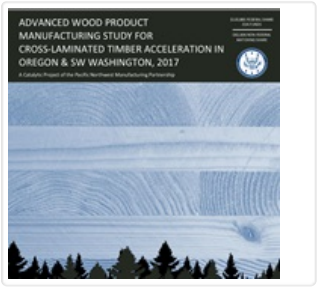

Advanced Wood Product Manufacturing Study for Cross-Laminated Timber Acceleration in Oregon & SW Washington, 2017

https://research.thinkwood.com/en/permalink/catalogue715

Organization:	Oregon BEST
Year of Publication:	2017
Country of Publication:	United States
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	General Application
Topic:	Market and Adoption
Keywords:	Market
	US
	Economic Impact
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://oregonbest.org/fileadmin/media/Mass_Timber/Accelerating_CLT_Manufacturing_in_Oregon__SW_Washington__2017__Oregon_BEST_.pdf

Apparent Sound Insulation in Cross-Laminated Timber Buildings

https://research.thinkwood.com/en/permalink/catalogue1276

Author:	Christoph Hoeller
	Jeffrey Mahn
	Dave Quirt
	Stefan Schoenwald
	Berndt Zeitler
Organization:	National Research Council of Canada
Year of Publication:	2017
Country of Publication:	Canada
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	Wood Building Systems
Topic:	Acoustics and Vibration
	Connections
Keywords:	Airborne Sound Transmission
	Adhesives
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://doi.org/10.4224/23002009

Behavior of Cross-Laminated Timber Diaphragm Panel-to-Panel Connections with Self-Tapping Screws

https://research.thinkwood.com/en/permalink/catalogue1422

Author:	Kyle Sullivan
Organization:	Oregon State University
Year of Publication:	2017
Country of Publication:	United States
Format:	Thesis
Material:	CLT (Cross-Laminated Timber)
Application:	Wood Building Systems
Topic:	Seismic
Keywords:	Lateral Load Resisting System
	Monotonic Tests
	Cyclic Tests
	Strength
	Stiffness
	Self-Tapping Screws
	International Building Code
Language:	English
Research Status:	Complete
Online Access:	Free

Resource Link

http://ir.library.oregonstate.edu/concern/graduate_thesis_or_dissertations/n009w540c

Blast-Resistant Testing for Loaded Mass Timber Structures

https://research.thinkwood.com/en/permalink/catalogue843

Organization:	Forest Products Laboratory
Year of Publication:	2017
Country of Publication:	United States
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	Walls
Topic:	Mechanical Properties
Keywords:	Exterior Walls Blast Loads Protection
Language:	English
Research Status:	In Progress

Abstract:

The objectives of this project are to develop a design methodology and to demonstrate performance for exterior bearing CLT walls used in buildings subject to force protection requirements. This methodology should be published by U.S. Army Corp of Enginee...

Online Access: Free

Resource Link

https://www.apawood.org/data/sites/1/documents/technicalresearch/rip/fplrip-4714-033-WoodWorks-Senalik-Podesto.pdf

Bonding Strength Test Method Assessment for Cross-Laminated Timber Derived Stressed-Skin Panels (CLT SSP)

https://research.thinkwood.com/en/permalink/catalogue1404

Author:	Emilio Luengo
	Eva Hermoso
	Juan Carlos Cabrero
	Francisco Arriaga
Publisher:	Springer Netherlands
Year of Publication:	2017
Country of Publication:	Netherlands
Format:	Journal Article
Material:	CLT (Cross-Laminated Timber)
Application:	General Application
Topic:	Mechanical Properties
Keywords:	Stressed-Skin Panels
	Shear Strength
	Glue Lines
	Shear Tests
	Bending Tests
	Bonding
Language:	English
Research Status:	Complete
Series:	Materials and Structures
ISSN:	1871-6873
Online Access:	Free

Resource Link

https://www.researchgate.net/profile/Eva_Hermoso/publication/318641605_Bonding_strength_test_method_assessment_for_Cross-Laminated_Timber_Derived_Stressed-Skin_Panels_CLT_SSP/links/59dc790aaca2728e201f79a9/Bonding-strength-test-method-assessment-for-Cross-Laminated-Timber-Derived-Stressed-Skin-Panels-CLT-SSP.pdf

Capacity-Based Design for Cross-Laminated Timber Buildings

https://research.thinkwood.com/en/permalink/catalogue1255

Author:	Md Shahnewaz
	Thomas Tannert
	Shahria Alam
	Marjan Popovski
Organization:	Structures Congress
Publisher:	American Society of Civil Engineers
Year of Publication:	2017
Country of Publication:	United States
Format:	Conference Paper
Material:	CLT (Cross-Laminated Timber)
Application:	Wood Building Systems
	Shear Walls
Topic:	Mechanical Properties
	Connections
Keywords:	In-Plane Stiffness
	Strength
	Non-Linear Springs
	Finite Element Analysis
	Hysteretic Behaviour
	Cyclic Loading
Language:	English
Conference:	Structures Congress 2017
Research Status:	Complete
Notes:	April 6–8, 2017, Denver, Colorado

Abstract:

The use of cross-laminated timber (CLT) in residential and non-residential buildings is becoming increasingly popular in North America. While the 2016 supplement to the 2014 edition of the Canadian Standard for Engineering Design in Wood, CSAO86, provides provisions for CLT structures used in platform type applications, it does not provide guidance for the in-plane...

Online Access:	Payment Required

Resource Link

https://doi.org/10.1061/9780784480427.034

A Comparison of the Energy Saving and Carbon Reduction Performance between Reinforced Concrete and Cross-Laminated Timber Structures in Residential Buildings in the Severe Cold Region of China

https://research.thinkwood.com/en/permalink/catalogue1207

Author:	Haibo Guo
	Ying Liu
	Yiping Meng
	Haoyu Huang
	Cheng Sun
	Yu Shao
Publisher:	MDPI
Year of Publication:	2017
Country of Publication:	Switzerland
Format:	Journal Article
Material:	CLT (Cross-Laminated Timber)
Application:	Wood Building Systems
Topic:	Energy Performance
	Environmental Impact
Keywords:	Energy Consumption
	Carbon Emissions
	Residential
	Severe Cold Regions
	Simulation
	Reinforced Concrete
	Life-Cycle Assessment
Language:	English
Research Status:	Complete
Series:	Sustainability
ISSN:	2071-1050

Abstract:

This paper aims to investigate the energy saving and carbon reduction performance of cross-laminated timber residential buildings in the severe cold region of China through a computational simulation approach. The authors selected Harbin as the simulation environment, designed reference residential...

Online Access:	Free

Resource Link

https://doi.org/10.3390/su9081426

Components and Consequences of Cross-Laminated Timber Delamination

https://research.thinkwood.com/en/permalink/catalogue1412

Author:	Richard Emberley
	Arne Inghelbrecht
	Nicholas Doyle
	José Torero
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:	Delamination
	Failure Modes
	Charring
	Thermal Penetration Depths
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_27

Cross-Laminated Timber Manufacturing Plant Project Report: Industry Trends, Manufacturing Process, Machinery, Raw Materials, Cost and Revenue

https://research.thinkwood.com/en/permalink/catalogue406

Organization:	Research and Markets
Year of Publication:	2017
Country of Publication:	United States
Format:	Report
Material:	CLT (Cross-Laminated Timber)
Application:	General Application
Topic:	Market and Adoption
Keywords:	Market Manufacturing Global
Language:	English
Research Status:	Complete
Online Access:	Payment Required

Resource Link

https://www.researchandmarkets.com/reports/4071792/cross-laminated-timber-market-global-industry#rela0

Cross Laminated Timber Properties Including Effects of Non-Glued Edges and Additional Cracks

https://research.thinkwood.com/en/permalink/catalogue1398

Author:	John Nairn
Publisher:	Springer Berlin Heidelberg
Year of Publication:	2017
Country of Publication:	Germany
Format:	Journal Article
Material:	CLT (Cross-Laminated Timber)
Application:	General Application
Topic:	Serviceability
	Moisture
Keywords:	Cracks
	Thermal Expansion
	Moisture Expansion
	In-Plane
Language:	English
Research Status:	Complete
Series:	European Journal of Wood and Wood Products
ISSN:	1436-736X
Online Access:	Free

Resource Link

https://pubag.nal.usda.gov/?page=1435&per_page=100&search_field=all...&sort=date-desc