



Cross-Laminated Timber Shear Connections with Double-Angled Self-Tapping Screw Assemblies

<https://research.thinkwood.com/en/permalink/catalogue544>

Author: Hossain, Afrin
Danzig, Ilana
Tannert, Thomas

Publisher: American Society of Civil Engineers

Year of Publication: 2016

Country of Publication: United States

Format: Journal Article

Material: CLT (Cross-Laminated Timber)

Application: General Application

Topic: Connections
Mechanical Properties

Keywords: Self-Tapping Screws
Shear Resistance Performance
Shear Connection
Quasi-Static
Reverse Cyclic Loading
Lateral Load

Language: English

Research Status: Complete

Series: Journal of Structural Engineering

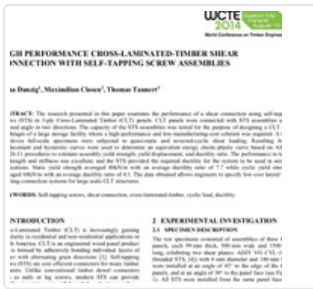
Summary:

The research presented in this paper examines the shear resistance performance of self-tapping screws (STS) in three-ply cross-laminated timber (CLT) panels. Specifically, the feasibility of using innovative STS assemblies with double inclination of fast...

Online Access: Free

Resource Link

https://www.researchgate.net/profile/Afrin_Hossain/publication/303794366_Cross-Laminated_Timber_Shear_Connections_with_Double-Angled_Self-Tapping_Screw_Assemblies/links/5c4f62ca299bf12be3ea2852/Cross-Laminated-Timber-Shear-Connections-with-Double-Angled-Self-Tapping-Screw-Assemblies.pdf



High Performance Cross-Laminated-Timber Shear Connection with Self-Tapping Screw Assemblies

<https://research.thinkwood.com/en/permalink/catalogue504>

Author: Danzig, Ilana
Closen, Maximilian
Tannert, Thomas

Year of Publication: 2014

Country of Publication: Canada

Format: Conference Paper

Material: CLT (Cross-Laminated Timber)

Application: Wood Building Systems

Topic: Connections
Mechanical Properties

Keywords: Self-Tapping Screws
Panels
Full Scale
Quasi-Static
Reverse Cyclic Loading

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 10-14, 2014, Quebec City, Canada

Summary:

The research presented in this paper examines the performance of a shear connection using self-tapping screws (STS) in 3-ply Cross-Laminated Timber (CLT) panels. CLT panels were connected with STS assemblies at an inclined angle in two directions. The ca...

Online Access: Free

Resource Link

http://schr.ws/hosted_files/wcte2014/4e/ABS353_Danzig_web.pdf



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