



Solutions for upper mid-rise and high-rise mass timber construction: numerical models for post-tensioned shear wall system with energy dissipators

<https://library.fpinnovations.ca/en/permalink/fpipub52872>

Author: Chen, Zhiyong
Popovski, Marjan

Contributor: Natural Resources Canada. Canadian Forest Service

Date: May 2019

Material Type: Research report

Physical Description: 43 p.

Sector: Wood Products

Field: Sustainable Construction

Research Area: Building Systems

Subject: Cross Laminated Timber
Performance
Building construction
Building materials
Loads

Language: English

Abstract: The latest developments in seismic design philosophy in modern urban centers have moved towards the development of new types of so called “resilient” or “low damage” structural systems. Such systems reduce the damage to the structure during an earthquake while offering the same or higher levels of safety to occupants. One such structural system in mass timber construction is the “Pres-Lam” system developed by Structural Timber Innovation Company (STIC) and Prestressed Timber Limited (PTL), both from New Zealand. FPInnovations has acquired the Intellectual Property rights for the Pres-Lam system for use in Canada and the United States.

Documents



19823.pdf

 Read Online

 Download