



Development and Testing of an Alternative Dissipative Posttensioned Rocking Timber Wall with Boundary Columns

<https://research.thinkwood.com/en/permalink/catalogue1884>

Author: Sarti, Francesco
Palermo, Alessandro
Pampanin, Stefano

Publisher: American Society of Civil Engineers

Year of Publication: 2016

Country of Publication: United States

Format: Journal Article

Application: Frames
Walls

Topic: Seismic
Design and Systems

Keywords: Pres-Lam
Prestress
Post-Tensioning
Displacement
Seismic Performance
Column-Wall-Column

Language: English

Research Status: Complete

Series: Journal of Structural Engineering

Online Access: Free

Resource Link

https://ir.canterbury.ac.nz/bitstream/handle/10092/13152/12655408_2015%20ASCE%20JSTENG%20-%20SARTI%20ET%20AL%20Development%20and%20testing%20of%20an%20alternative%20dissipative%20post-tensioned%20rocking%20timber%20wall%20with%20boundary%20columns_Final_edited.pdf?sequence=1



Quasi Static Cyclic Tests of 2/3 Scale Post-Tensioned Timber Wall and Column-Wall-Column (CWC) Systems

<https://research.thinkwood.com/en/permalink/catalogue648>

Author: Sarti, Francesco
Palermo, Alessandro
Pampanin, Stefano

Year of Publication: 2014

Country of Publication: New Zealand

Format: Conference Paper

Material: LVL (Laminated Veneer Lumber)

Application: Walls

Topic: Seismic

Keywords: Post-Tensioned
Quasi-Static Testing
Column-Wall-Column
Steel
U-Shaped Flexural Plates
Displacement

Language: English

Conference: New Zealand Society for Earthquake Engineering Conference

Research Status: Complete

Notes: March 21-23, 2014, Auckland, New Zealand

Summary:

The paper presents the design and construction detailing of the quasi-static testing of two post-tensioned timber wall systems: a single (more traditional) wall system and a new configuration comprising of a column-wall-column coupled system (CWC)...

Online Access: Free

Resource Link

http://db.nzsee.org.nz/2014/oral/62_Sarti.pdf