



Development of Timber Buckling-Restrained Braces for Mass Timber Braced Frames

<https://research.thinkwood.com/en/permalink/catalogue2199>

Author: Murphy, Colton
 Pantelides, Chris
 Blomgren, Hans-Erik
 Rammer, Douglas

Year of Publication: 2019

Country of Publication: United States

Format: Conference Paper

Material: LVL (Laminated Veneer Lumber)
 PSL (Parallel Strand Lumber)
 Glulam (Glue-Laminated Timber)
 MPP (Mass Plywood Panel)

Application: Wood Building Systems

Topic: Seismic

Keywords: Lateral Force Resisting System
 Buckling Restrained Brace Frames

Language: English

Conference: INTER

Research Status: Complete

Summary:

Buckling Restrained Brace Frames (BRBF) are a proven and reliable method to provide an efficient lateral force resisting system for new and existing structures in earthquake prone regions. The fuse-type elements in this system facilitate stable energy dissipation at large load deformation levels. Currently, the new trend towards mass timber vertical...
 The fuse-type elements in this system facilitate stable energy dissipation at large load deformation levels. Currently, the new trend towards mass timber vertical...

Online Access: Free

Resource Link

https://www.fpl.fs.fed.us/documnts/pdf2019/fpl_2019_murphy001.pdf