



Softwood Lumber Board Glulam Connection Fire Test Summary Report

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Organization: Arup USA
 Softwood Lumber Board
 MyTiCon
 DR Johnson

Year of Publication: 2017

Country of Publication: United States

Format: Report

Material: CLT (Cross-Laminated Timber)
 Glulam (Glue-Laminated Timber)

Application: Beams
 Columns

Topic: Connections
 Fire

Keywords: Beam-to-Column Connectors
 Fire Resistance Rating
 Full Scale

Language: English

Research Status: Complete

Summary:

The Softwood Lumber Board, Arup, MyTiCon and DR Johnson have partnered to complete three full-scale fire tests for glulam beam to column connectors. The fire tests have been completed for “off-the-shelf” connectors for glulam beams, testing the connector to meet a minimum of a 1 hr fire resistance rating (FRR).

To assist the construction industry, three different configurations of glulam beam to column connections were fire tested at an approved fire testing facility. The fire tests were carried out to meet ASTM E119-16a “Standard Test Methods for Fire Tests of Building Construction and Materials”, hence meeting Chapter 7 of the IBC.

The completed fire tests and supporting reports allow engineers and architects to specify these tested connection assemblies and satisfy the requirements of the IBC. Approval by an authority having jurisdiction (AHJ) will therefore be easier for future building projects.

Online Access: Free

Resource Link

<https://www.thinkwood.com/wp-content/uploads/2018/01/reThink-Wood-Arup-SLB-Connection-Fire-Testing-Summary-web.pdf>

