



Structural Connectors and their Fasteners

Moderator(s): Mario Angelucci

DATE: Monday, October 5th, 2015 TIME: 3:30 pm

LOCATION: Grand Ballroom West

GUEST SPEAKERS: Mr. Brent Bunting - Simpson Strong-Tie Canada, Ltd.

DESCRIPTION: Brent Bunting, P.Eng - Structural Connectors and their Fasteners: What You Should Know to Ensure Proper Usage and Installation.

Structural connectors are used on almost every jobsite. Joist hangers, hurricane ties, column caps and bases, straps and brick ties are only some examples of connectors where specific fasteners are required to ensure proper performance. Installation using the wrong fastener or incorrect use of a connector can lead to unwanted deflection and can severely jeopardize the structural integrity of the building.

This presentation will explore the use of structural connectors and fasteners within the scope of Part 4 and Part 9 buildings. The basic fasteners will be discussed: nails, screws and bolts, along with their failure modes and why substitution for the specified fastener is not always acceptable.

BIOGRAPHY: Mr. Brent Bunting, Branch Engineer

Brent is a Branch Engineer for Simpson Strong-Tie, the worlds leader in structural connectors for wood construction. He has spent the past fourteen years developing connectors and lateral load resisting systems for the Canadian market. Brent graduated from the University of Western Ontario in 1996 with a degree in Engineering Sciences and prior to working with Simpson, spent five years working as a structural engineer specializing in timber construction. Brent is currently a member of the CSA O86 Subcommittee on Fastenings, the technical committee for the Canadian Wood Council(CWC), Engineering Guide for Wood Frame Construction and is the Chair of the Truss Plate Institute of Canada (TPIC) Technical Committee.