Learning Objectives

You’ll be able to:

**Comply** with building codes and design specifications for engineered wood construction.

**Identify** design values and equations for structural engineered timber.

**Utilize** engineered wood products on your projects, including glued laminated timber, timber poles and piles, and pre-fabricated wood I-joists.

**Understand** how to properly use connectors and fasteners with engineered wood products.

**Discuss** structural design of floors and roofs.

Examine structural and non-structural engineered lumber products

Understand design values and equations for structural engineered lumber

Learn to work with glued laminated timber, timber poles and piles, and pre-fabricated wood I-joists

Explore structural composite lumber

Discuss connectors and fasteners

Continuing Education Credits

<table>
<thead>
<tr>
<th>Professional Engineers</th>
<th>International Code Council</th>
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<tr>
<td>7.0 Professional Ed. Hours/PDHs</td>
<td>0.7 CEUs (Building)</td>
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<tr>
<td>Architects</td>
<td></td>
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<tr>
<td>7.0 HSW Continuing Ed. Hours</td>
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<tr>
<td>7.0 AIA HSW Learning Units</td>
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Ryan Erick Broomé, S.E., P.E.    Principal at Redius Structural Engineering, Inc.

Mr. Broomé has 20 years’ experience working in structural design firms located in parts of Northern Utah and in Sacramento, California. Graduating from Brigham Young University in 1997 with a bachelor of science degree in Civil and Environmental Engineering, he focused on structural design classes with the goal of working as a structural engineer. Mr. Broomé’s portfolio includes residential housing, custom homes, large residential projects, small commercial projects, precast concrete, and industrial and structural plan reviews. He has taught as an adjunct instructor at Utah Valley University in the Emergency Services department, where he taught building construction types to firefighters. Mr. Broomé is a member of the Structural Engineers Association of Utah, the American Society of Civil Engineers, the American Wood Council and the International Code Council. As a member of the Structural Engineers Association of Utah, he serves on the Programs Committee.

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