



Timber Construction Manual

By American Institute of Timber Construction (AITC)

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Timber Construction Manual By American Institute of Timber Construction (AITC)

THE DEFINITIVE DESIGN AND CONSTRUCTION INDUSTRY SOURCE
FOR BUILDING WITH WOOD— NOW IN A THOROUGHLY UPDATED
SIXTH EDITION

Since its first publication in 1966, *Timber Construction Manual* has become the essential design and construction industry resource for building with structural glued laminated timber. *Timber Construction Manual, Sixth Edition* provides architects, engineers, contractors, educators, and related professionals with up-to-date information on engineered timber construction, including the latest codes, construction methods, and authoritative design recommendations. Content has been reorganized to flow easily from information on wood properties and applications to specific design considerations.

Based on the most reliable technical data available, this edition has been thoroughly revised to encompass:

- A thorough update of all recommended design criteria for timber structural members, systems, and connections
- An expanded collection of real-world design examples supported with detailed schematic drawings
- New material on the role of glulam in sustainable building practices
- The latest design and construction codes, including the 2012 National Design Specification for Wood Construction, AITC 117-2010, and examples featuring ASCE 7-10 and IBC 2009
- More cross-referencing to other available AITC standards on the AITC website

Since 1952, the AMERICAN INSTITUTE OF TIMBER CONSTRUCTION has been the national technical trade association of the structural glued laminated timber industry. AITC-recommended building and design codes for wood-based structures are considered authoritative in the United States building industry.

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Timber Construction Manual By American Institute of Timber Construction (AITC) Bibliography

- Sales Rank: #228169 in Books
- Published on: 2012-07-31
- Original language: English
- Number of items: 1
- Dimensions: 9.60" h x 1.54" w x 6.50" l, 2.25 pounds
- Binding: Hardcover
- 672 pages

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Editorial Review

From the Back Cover

The leading design and construction industry source for building with wood— now in a thoroughly updated Fifth Edition

Since its first publication in 1966, Timber Construction Manual has become the definitive design and construction industry source for building with wood, both sawn lumber and structural glued laminated timber. Timber Construction Manual, Fifth Edition features an improved organization of content to provide architects, engineers, contractors, educators, the laminating and fabricating industry, and all others having a need for reliable, up-to-date technical data and recommendations on engineered timber construction with essential knowledge of wood and its application to specific design considerations.

Based on the most reliable technical data available, this defining guide has been thoroughly revised to encompass:

- The latest design procedures for timber construction, featuring thorough updates of all recommended design criteria for timber members, systems, and fasteners
- A simplified design procedure for pitched and tapered curved beams
- An entirely new chapter on Load and Resistance Factor Design (LRFD) and an updated section on the chemical properties of wood
- The latest design and construction codes, including the 2001 National Design Specification for Wood from the National Forest Products Association, AITC 117-2004, and examples featuring ASCE 7-02 and IBC 2003
- More cross-referencing to other available AITC standards and less superfluous full citations result in a leaner book with more useful, up-to-date information

About the Author

Since 1952, the AMERICAN INSTITUTE OF TIMBER CONSTRUCTION has been the national technical trade association of the structural glued laminated timber industry. AITC-recommended building and design codes for wood-based structures are considered authoritative in the United States building industry.

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