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ASD/LRFD Manual for Engineered Wood Construction - American Forest & Paper Association - 2005
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ASD/LRFD: Examples, structural wood design solved example problems - Dan L. Wheat - 2005
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2015 Special Design Provisions for Wind and Seismic with Commentary - - 2015-01-01
ANSI / AWC SDPWS-2015 - Special Design Provisions for Wind and Seismic standard provides criteria for proportioning, designing, and detailing engineered wood systems, members, and connections in lateral force resisting systems. Engineered design of wood structures to resist wind or seismic forces is either by allowable stress design (ASD) or load and resistance factor design (LRFD). Nominal shear capacities of diaphragms and shear walls are provided for reference assemblies.

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Timber Construction Manual - American Institute of Timber Construction (AITC) - 2012-07-16
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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International Building Code 2018 - International Code Council - 2017
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Structural Wood Design - Abi Aghayere - 2007-07-30

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Dowel Bearing Strength - Thomas Lee

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Wood and Timber Condition Assessment Manual - Robert Jon Ross - 2004

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Steel Design - William T. Segui - 2012-08-01 STEEL DESIGN covers the fundamentals of structural steel design with an emphasis on the design of members and their connections, rather than the integrated design of buildings. The book is designed so that instructors can easily teach LRFD, ASD, or both, time-permitting. The application of fundamental principles is encouraged for design procedures as well as for practical design, but a theoretical approach is also provided to enhance student development. While the book is intended for junior-and senior-level engineering students, some of the later chapters can be used in graduate courses and practicing engineers will find this text to be an essential reference tool for reviewing current practices. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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Principles of Structural Design - Ram S. Gupta - 2019-06-17
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LRFD - - 1996

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Design of Steel Structures - Elias G. Abu-Saba - 2012-12-06
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CLT Handbook - Erol Karacabeyli - 2013-01

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Minimum Design Loads for Buildings and Other Structures - American Society of Civil Engineers - 2013
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Performance of Red Maple Glulam Timber Beams - Harvey Bright Manbeck - 1993

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American Softwood Lumber Standard - United States. National Bureau of Standards - 1986

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Design of Wood Structures-ASD/LRFD - Donald E. Breyer - 2014-09-05
THE DEFINITIVE WOOD STRUCTURE DESIGN GUIDE -- FULLY UPDATED Thoroughly revised to incorporate the latest codes and standards, the seventh edition of this comprehensive resource leads you through the complete design of a wood structure following the same sequence of materials and elements used in actual design.

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PPI PE Structural Reference Manual, 10th Edition – Complete Review for the NCEES PE Structural Engineering (SE) Exam - Alan Williams - 2021-09-21

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Masonry Structural Design, Second Edition - Jennifer Eisenhauer Tanner - 2017-05-21 Thoroughly Updated Coverage of Masonry Codes, Materials, and Structural Design This fully revised resource covers the design of masonry structures using the 2015 International Building Code, the ASCE 7-10 loading standard, and the TMS 402-13 and TMS 602-13 design and construction standards. The book emphasizes the strength design of masonry and includes allowable-stress provisions. The latest advances, materials, and techniques are clearly explained. Chapter-long case studies featuring a low-rise building with reinforced concrete masonry and a four-story building with clay masonry illustrate the topics presented. Masonry Structural Design, Second Edition, covers: • Structural behavior and design of low-rise, bearing wall buildings • Materials used in masonry construction • Code basis for structural design of masonry buildings • Basics of seismic design in masonry buildings • Introduction to MSJC treatment of structural design • Strength design of reinforced and unreinforced masonry elements • Allowable-stress design of reinforced and unreinforced masonry elements • Comparison of design by the allowable-stress approach versus the strength approach • Lateral load analysis of shear wall structure • Design and detailing of floor and roof diaphragms • Structural design of AAC masonry

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