

The book was found

Structural Elements For Architects And Builders: Design Of Columns, Beams, And Tension Elements In Wood, Steel, And Reinforced Concrete, 2nd Edition



Synopsis

Concise but comprehensive, Jonathan Ochshorn's *Structural Elements for Architects and Builders* explains how to design and analyze columns, beams, tension members and their connections. The material is organized into a single, self-sufficient volume, including all necessary data for the preliminary design and analysis of these structural elements in wood, steel, and reinforced concrete. Every chapter contains insights developed by the author and generally not found elsewhere. Appendices included at the end of each chapter contain numerous tables and graphs, based on material contained in industry publications, but reorganized and formatted especially for this text to improve clarity and simplicity, without sacrificing comprehensiveness. Procedures for design and analysis are based on the latest editions of the National Design Specification for Wood Construction (AF&PA and AWC), the Steel Construction Manual (AISC), Building Code Requirements for Structural Concrete (ACI), and Minimum Design Loads for Buildings and Other Structures (ASCE/SEI). This thoroughly revised and expanded second edition of *Structural Elements* includes an introduction to statics and strength of materials, an examination of loads, and new sections on material properties and construction systems within the chapters on wood, steel, and reinforced concrete design. This permits a more comprehensive overview of the various design and analysis procedures for each of the major structural materials used in modern buildings. Free structural calculators (search online for: Ochshorn calculators) have been created for many examples in the book, enabling architects and builders to quickly find preliminary answers to structural design questions commonly encountered in school or in practice.

Book Information

Paperback: 446 pages

Publisher: Common Ground Publishing (August 7, 2015)

Language: English

ISBN-10: 161229801X

ISBN-13: 978-1612298016

Product Dimensions: 7 x 0.9 x 10 inches

Shipping Weight: 12.6 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 2 customer reviews

Best Sellers Rank: #375,273 in Books (See Top 100 in Books) #32 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Concrete #141 in Books > Engineering & Transportation > Engineering > Reference > Architecture > Methods & Materials

Customer Reviews

Good

Got a lot more than I was expecting with this book. Fantastic

[Download to continue reading...](#)

Structural Elements for Architects and Builders: Design of Columns, Beams, and Tension Elements in Wood, Steel, and Reinforced Concrete, 2nd Edition Reinforced Concrete: Preliminary Design for Architects and Builders Principles of Structural Design: Wood, Steel, and Concrete, Second Edition Strengthening of Reinforced Concrete Structures: Using Externally-Bonded Frp Composites in Structural and Civil Engineering (Woodhead Publishing Series in Civil and Structural Engineering) Principles of Structural Design: Wood, Steel, and Concrete 2012 Wood Design Package - including the National Design Specification® for Wood Construction (NDS®) & NDS Supplement: Design Values for Wood Construction (4 volumes set) Textile Reinforced Concrete (Modern Concrete Technology) Color Drawing: Design Drawing Skills and Techniques for Architects, Landscape Architects, and Interior Designers, 2nd Edition Wood, Concrete, Stone, and Steel: Minnesota's Historic Bridges Diseno y calculo de estructuras de concreto reforzado/ Design and calculation of reinforced concrete structures: Por Resistencia Maxima Y Servicio/ for Maximum Strength and Service (Spanish Edition) Reinforced Concrete: Mechanics and Design (4th Edition) (Civil Engineering and Engineering Mechanics) Reinforced Concrete: Mechanics and Design (7th Edition) Reinforced Concrete: Mechanics and Design (6th Edition) Reinforced Concrete Structures: Analysis and Design, Second Edition (P/L Custom Scoring Survey) Reinforced Concrete: Mechanics and Design (5th Edition) Reinforced Concrete Design (5th Edition) Reinforced Concrete Design (8th Edition) Design of Reinforced Concrete, 10th Edition Reinforced Concrete Design (6th Edition) Reinforced Concrete Design (7th Edition)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)