DESCRIPTION

Written for the practicing architect, *Structural Design* addresses the process on both a conceptual and a mathematical level. Most importantly, it helps architects work with structural consultants and understand all the necessary considerations when designing structural systems. Using a minimum of simple math, this book shows you how to make correct design calculations for structures made from steel, wood, concrete, and masonry. What’s more, this edition has been completely updated to reflect the latest design methods and codes, including LRFD for steel design. The book was also re-designed for easy navigation. Essential principles, as well as structural solutions, are visually reinforced with hundreds of drawings, photographs, and other illustrations--making this book truly architect-friendly.

ABOUT THE AUTHOR

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**NEW TO EDITION**

- Thoroughly redesigned for easy reading and navigability
- Completely updated to reflect the latest design methods and codes, including LRFD for steel design
- Approximately 700 illustrations, including black-and-white photos, architectural and technical drawings, line diagrams, and freehand sketches
- Real-world examples and sample problems have been significantly enhanced with more thorough step-by-step descriptions
- Provides information on new materials or combinations of materials, composites, and stressed-skin

**FEATURES**

- Covers of all of the primary structural materials (steel, wood, reinforced concrete, and masonry) in one volume
Essential principles as well as structural solutions are visually reinforced with hundreds of architectural drawings, photographs, and other illustrations, making this book truly architect-friendly.

- Provides just enough mathematics (simple algebra, trigonometry, and solutions of some simple equations) to help the reader make the correct decisions for structures made from steel, wood, concrete, and masonry.

- Real-world examples, sample problems, and useful references are included throughout.

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