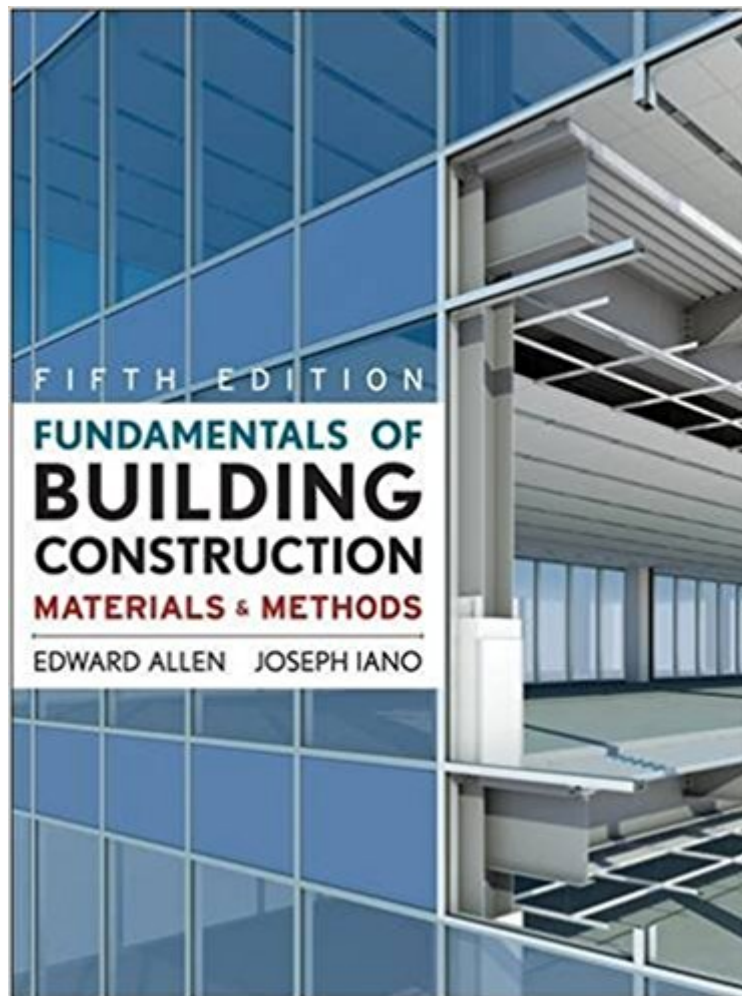




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Fundamentals Of Building Construction: Materials And Methods, 5th Edition



Synopsis

Now in its Fifth Edition, this essential textbook has been used by thousands of students annually in schools of architecture, engineering, and construction technology. The bestselling reference focuses on the basic materials and methods used in building construction, emphasizing common construction systems such as light wood frames, masonry bearing walls, steel frames, and reinforced concrete. New introductory material on the processes, organization, constraints, and choices in construction offers a better look at the management of construction. New sections covering the building envelope uncover the secrets to designing enclosures for thermal insulation, vapor retarders, air barriers, and moisture control. The Fifth Edition also features more axonometric detail drawings and revised photographs for a thoroughly illustrated approach and the latest IBC 2006, CSI MasterFormat, ASTM references, and LEED information.

Book Information

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Customer Reviews

"In the new fifth edition of Fundamentals of Building Construction, Allen and Iano set a new benchmark by incorporating sustainability issues into a mainstream construction textbook, section by section, as in this concise overview from the first chapter. We also look forward to a future edition of their outstanding book in which appropriate sustainability considerations have penetrated every topic and page." (ArchitectureWeek, April 13, 2009)

The leading book on building construction is now thoroughly renovated from the ground

up For the nuts-and-bolts on building construction practices and materials, thousands of professionals and students of architecture, engineering, and construction technology have turned to Edward Allen and Joseph Iano's Fundamentals of Building Construction. This new Fifth Edition of the bestselling reference and textbook provides the most up-to-date survey of the basic materials and methods used in building construction. Using the latest building codes, standards, and developments in materials and technologies as its basis, this book covers the complete range of construction activities—from excavating and foundations to cladding and interior finishes—and examines common construction systems such as light wood frame, masonry bearing wall, steel frame, and reinforced concrete construction. The Fifth Edition adds a host of updated and completely new information on such current topics as: The changing role of the construction contractor in the process of making buildings Construction management and methods of project delivery Controlling the movement of heat, air, and moisture through the building enclosure Sustainability and green building techniques Innovations in glass, concrete, wood, and other construction materials The 2006 International Building and Residential Codes, 2004 MasterFormat, and the latest ASTM references and LEED standards Supplemented by Exercises in Building Construction, Fifth Edition, available separately, Fundamentals of Building Construction, Fifth Edition lays the foundation every architect and construction professional needs to build a successful career.

This is an excellent book. I am currently studying for the ARE in California. I borrowed the Second Edition from a coworker of mine for my first exam. That edition was full of good, accurate information. I am studying for another exam for the ARE and decided to purchase this book for myself. This edition is a couple hundred more pages than the second edition and is still just as good, if not better, than the second edition. My coworker purchased his book for a college course he took and still occasionally references that book through his work days. I tend to get most of my questions answered by looking up things in this book. Very good price for this book.

bought this book 6+ years ago for a class and never left a review...The hardcover book arrived in pristine condition and held up to countless study sessions. I recall that the content was very informative in establishing the foundations for which to build an understanding of basic construction principles. I ended up selling this book after I had finished the course, but wish I held onto it.

This book is required for my Building Construction classes (Architecture Major). The book itself is

well written and is full of helpful drawings, details, diagrams, and photos. I opted to get the Kindle version, the ability to search the book by keyword and reducing the size and weight of the book down to my tablet being the biggest reasons. I really liked it but it has had its shortcomings. First off, it has no page numbers. Many kindle books have page numbers that coincide with their hardcopies (it may read Location 500 Page 60, Location 501 Page 60, Location 502 Page 61, etc) I can't see why it wouldn't be done here other than the fact that there are a lot of pages. Still, with the amount I am charged to buy the book I should expect these things. Next, there are periodic mistakes in the book. Some are simple like sentences with no spaces in them but other are more severe. For example in Chapter 14, Location 13563 Figures 14.43 and 14.44 the images for each Figure are exactly the same. 14.43 is supposed to show One-way sitecast concrete framing systems but instead it shows a copy of the two-way. Mistakes like these are unacceptable in a book like this. Lastly, there is on average one image for every two chapters that is "not available in this digital edition". I can understand that the copyright holders of some images may not want them available on a digital format but if that is the case why not come up with a substitute. Especially because, to my memory, all of the missing images I've seen are photographs of existing buildings (for example the end of Chapter 12 Location 11885 the photo of the sciences center at Dartmouth). Omitting the image shouldn't be the answer. The book is otherwise a fantastic book and over the 6 months I've owned it I have been able to use it as a reference even outside my BC classes.

great condition thank you

Lesson based. It has background information to most of the topics and it also goes into detail to every single thing. It also has really good visuals. Really lengthy but it is all really useful information.

This book is a must for every architect major or enthusiast. If you know nothing about building and materials; you'll learn quickly. It is well written with many pictures and steps on how to use materials.

Brilliant book good easy to read and understand and very practical I found it very useful

My step son is an architecture student at UO. His prof said this is a must have. He loves it.

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