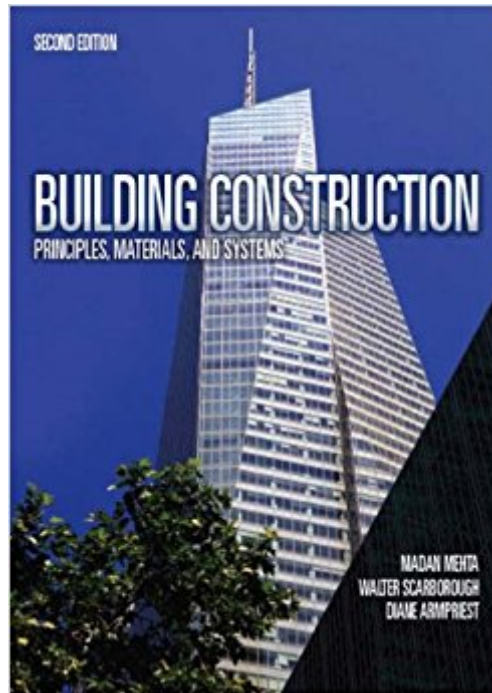




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# Building Construction: Principles, Materials, & Systems (2nd Edition)



## Synopsis

The science of building construction and design is evolving more quickly than ever before. The second edition of this outstanding text builds on the previous version. It incorporates the latest updates available, features hundreds of new pieces of artwork, and is now in FULL COLOR! Written by an author team with decades of experience in architecture, building construction, engineering, and teaching, Building Construction: Principles, Materials & Systems 2nd Edition is a comprehensive and fully illustrated introduction to construction methods and materials. Continuing on with the book's unique organization, Principles of Construction are covered in Part One and Materials and Systems of Construction are covered in Part Two. Emphasizing a visual approach to learning, it includes more than 1,400 original illustrations and an extra large trim size (9" x 12") that provides an open and inviting layout that readers are sure to appreciate. Plus! A completely revamped and expanded companion website, "MyConstructionKit", is also available!

## Book Information

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## Customer Reviews

Madan Mehta, B.Arch., M.Bdg.Sc., Ph.D., P.E., is a faculty member at the School of Architecture, University of Texas at Arlington, and teaches courses in construction and structures. He was previously the Director of the Architectural Engineering Program at King Fahd University, Saudi Arabia. A licensed professional engineer (Texas), Fellow of the Institute of Architects (India), and Member of the American Society of Civil Engineers, he has worked in India, Australia, the United Kingdom, Saudi Arabia, and the United States. With academic credentials in both architecture and

engineering, he ran a comprehensive architecture/engineering practice while working as a faculty member at the Delhi School of Architecture, and he worked for a large general contractor in the United States during a leave of absence. He is the author of several full-length books and monographs on building construction, architectural structures, and architectural engineering. Â Walter R. Scarborough, CSI, SCIP, AIA, is Vice President and Regional Manager for Hall Building Information Group, LLC.Â He is a specifications consultant and registered architect (Texas) with over 35 years of comprehensive technical architectural experience in specifications, document production, and construction contract administration.Â He has produced documents and administered construction for a large number and variety of building types. Previously the Director of Specifications for 10 years for one of the largest architectural firms in the world, he was responsible for building sciences research, manager of a department of specifiers, and master specification development and maintenance, in addition to being the specifier for major healthcare, sports, detention, municipal, and commercial projects, some valued in the hundreds of millions of dollars.Â He is active in the Construction Specifications Institute (CSI) at the local level (past president, secretary, and technical director) and national level (Education Committee and Practice Guide Task team), holds several CSI certifications, is Chairman of the Instituteâ€™s Education Committee, was awarded CSIâ€™s prestigious J. Norman Hunter Memorial Award for advancing building sciences and specifications, and is the revision author for CSIâ€™s Project Delivery Practice Guide and its associated education program. Â Diane Armpriest, M.L.A., M. Arch., is Associate Professor and Chair, Faculty of Architecture and Interior Design, College of Art and Architecture, University of Idaho. Before joining the faculty in 2001, she worked as an architectural project manager, and as a project developer and construction manager for neighborhood nonprofit housing providers. Her teaching and research interests include the pedagogy of architectural building construction technology, the expression of structure and materials in Northwest regional architecture, and the relationship between building and site. Previously, she was Associate Professor of Landscape Architecture at the University of Cincinnati. Highlights of her work there include research in resource-efficient design and construction and working with students on design-build projects.

The condition the book arrived in was terrible. Any moment now, the pages will completely fall out. I get that because it's a rental, it's been passed around, but definitely not worth the \$30.

As a student studying Construction Management, I found this to be a terrific textbook. The diagrams and picture explanations I found to be very helpful, and there is a plethora of helpful information. My

one complaint has nothing to do with the content of the book however. My biggest frustration with this textbook had to do with the kindle experience. First of all, this did work fine on my Kindle HD, albeit with a small screen, it was difficult to pan around a large textbook page. My options for viewing it on a computer were limited because it cannot be viewed on the kindle cloud reader for viewing on web browser and it is not available for viewing on kindle for windows 8. So if you have a new laptop or computer and want to view the content on a bigger screen than a kindle you are out of luck. That needs to change. Please allow me to read this on a windows 8 device.

So far I love this book. I am currently taking a heavy construction methods class. This book is also being used for light construction(residential) class at my institution as well. I am about half way through the course so I have not read the whole book. But so far, it's an easy read with lots of info. I love the side bars. They contain additional information about subject being discussed in that particular section. The questions at the end of each chapter are some what challenging. They are in sequential order so you don't have to look all over the chapter to find the answers. I have had books that quiz you on info that even isn't in the material being covered in that particular chapter. Some may think I am being silly but I believe one should be challenged to learn the material not be tested on how effectively you can comb through hundreds of pages. There is a ton of info in this text. I also like the fact that it discusses sustainable construction in every chapter. In each section it explains how the material being discussed in the chapter pertains to sustainable practices. Being a LEED AP(US Green Building Council Leadership in Energy and Environmental Design Accredited Professional), I believe it is extremely important that today's construction professionals embrace and fully understand sustainability as it pertains to construction. So called "green building" is quickly becoming a standard practice in the US and throughout the developed world. This is a great text book. I definitely plan on keeping it for reference material as I continue my career. I would recommend this book for anyone who is interested in learning the basics about construction materials and methods.

This book has everything. I bought it for a Construction Materials and Methods class. I do not plan to sell back the book as it will be a great book to reference back to. The only downside was the ConstructionKit CD for interactive learning/testing that came with my Used copy is no longer supported by Pearson. I imagine this won't be an issue if you buy New.

Best book for anyone interested in learning about the building construction process. The color

pictures in the book and even more clarity to the material. Currently thus is required reading for me for a class, but I will keep this book in my personal library for years to come as I build on my skills as a construction project manager and architect. It is a priceless resource!

Excellent content for someone looking for an overview of up to date building methods... a few surprising things that I was not aware of which allowed me to use this as a springboard to find the more detailed information I required.

I bought this book for preparing the ARE Exam. This book gave me all the fundamental information that I need. All the explanation is very detailed with Photos, tables, illustrations. Quick quiz at the end of each section is great. If somebody wants to understand the construction at the site, it will be the right book.

Does a pretty good job at keeping up with the new book that came out. I'm in a class that uses the newest version of this book and with a few new illustrations and color images, there isn't much difference.

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