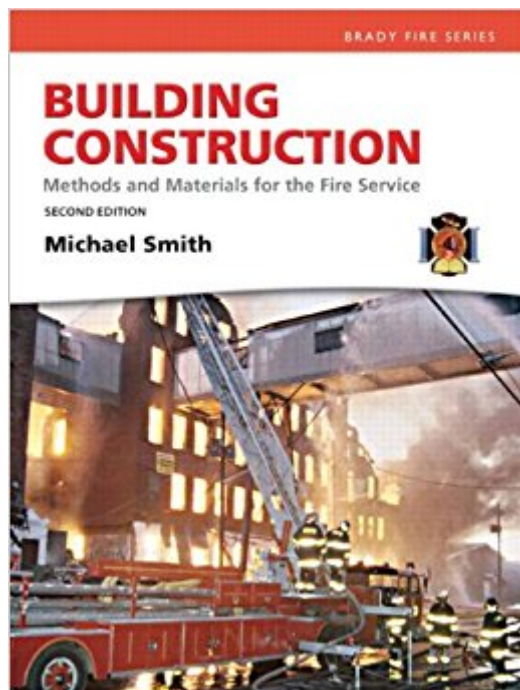


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# Building Construction: Methods And Materials For The Fire Service (2nd Edition) (Brady Fire)



## Synopsis

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**Building Construction: Methods and Materials for the Fire Service, Second Edition**, emphasizes the impact that an understanding of the principles of building construction has on firefighting strategy. Written by an author with extensive knowledge and experience in both the fire service and construction industries, it explains building materials and processes that are involved in the construction of structures and provides students with the knowledge required to operate safely and effectively within residential or commercial buildings. Discussions of actual incidents experienced by the author and case studies containing critical thinking questions give students a better understanding of what to expect in the field.

## Book Information

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## Customer Reviews

**Building Construction, 2e** Michael Smith

The understanding and knowledge of building construction is critical for all firefighters strategy and safety. As the construction of new buildings and the materials used to build them continues to evolve, the need for fire service professionals to have up-to-date resources is more critical than ever. This second edition text is written to the Fire and Emergency Services Higher Education (FESHE) curriculum guidelines and outcomes, and incorporates the most recent NFPA Standards. The author, who ascended the ranks in the fire

service for 35 years, and also served 30+ years in the construction industry as a master builder, brings his insight and unique experience to the many facets of construction that only someone who has constructed buildings would know. • Along with key terms and review questions, a multitude of new features are also incorporated, including • Building Green •, which addresses the impact that • going green • has had in the building industry, as well as • Firehouse Discussion • which examines the role that a building can have on the outcome of an incident. • Features Include: Up-to-Date information meeting the FESHE guidelines for Building Construction Brand new material on lightweight buildings, elevator systems, windows and doors installed to thwart terrorism and much more • Expanded information on trusses to include manufactured products and assemblies New • First Response • feature that centers in on various building occupancies New • Firehouse Discussion • that reflects the author's vast experiences as well as allows readers to apply that knowledge if presented with similar circumstances Full Online Courseware available Thoroughly updated full color art program Introduction, Key Terms, and End of Chapter Review Questions throughout to reinforce • learning and retention of key concepts New ResourceCentral solution offering unique book-specific online resources for both students and instructors • Visit [www.bradybooks.com](http://www.bradybooks.com) for • • Other Titles of Interest: Smith, Strategic and Tactical Considerations on the Fireground, 3e (0-13-215881-7) Ford, Fire and Emergency Services Safety and Survival (0-13-701548-8) Gorbett, Fire Dynamics (0-13-507588-2) Bruegman, Advanced Fire Administration (0-13-502830-2)

Michael Smith • worked for over 35 years with the fire service, retiring at the rank of Deputy Fire Chief. He has also worked for over 30 years in the construction industry, because very few firefighters made enough money to work only one job. He holds an A.S. degree in Fire Science; a B.S. degree in Construction Management; and an M.A. degree in Fire and Public Administration. He is a graduate of the Executive Fire Officers Program at the National Fire Academy. He is also a Certified Municipal Manager from George Washington University. • He is currently involved with Lecturing, Consulting, and Emergency Management for the Federal Government and the US Military. He can be reached through the publisher.

I needed this book for my fire technology class on building construction. The book is not very long which is nice because you are not bombarded with a a large amount of extra frivolous facts and information in the chapters like other textbooks. The price and delivery were good so it made it better than buying from the college bookstore on campus which wanted almost double for what I

paid here.

So much cheaper than buying at the campus bookstore!

very informative book

good book

Cool

Awesome

Geeze I hate this book. Some honest review mixed in but mostly me just complaining like a baby. Several years ago I studied the first edition for a Lieutenant test that I didn't get promoted on and am currently reading the Second edition for a Captains test. Typical big headed, highly educated former Chief who forgets he is writing a book for firefighters and not your typical brainiac. Had three words on one page I had to look up. Seriously, "undulation"? You couldn't have just said wave like motion? Also the little sections at the end of each chapter called "the first response". It's on a black back ground to look like a chalk board. Makes it impossible to use a highlighter and underline words or sentences you want to make note of. You know darn well the great majority of the people buying your book only did so because it was on the list of study material for a promotional test. Couldn't have made it more study friendly? I'll admit, there is some good stuff in the book and some that has no business being in it. Knowing the great detail and definitions that was used to describe the forces of stress applied to a structural member or the different types of lines on a set of construction plans and blue prints, is way more useless than other information I know you could have shared. Oh and the formulas for flame spread ratings? I can't make heads or tails of those. The one for less than five minutes, how are you supposed to get a different rating other than the same one every time? There is no variable to plug in. Also the pictures are a joke. My favorite is the one of the Washington monument to show the line of demarcation. Looks like my five year old drew it with her crayons. Ok had to vent and make my self look like an idiot for your entertainment. I feel better. I got to get back to reading then get some much needed sleep. Ok I'll say this. Branigans book was a real pill to read as well. At least this one is a lot shorter. Maybe I just hate reading construction books. Can't think of any I liked or didn't complain about.

Book is filled with errors, incorrect graphics, contradictions and flat nonsense. Pg 75 "Walls constructed of masonry, concrete, or stone share the same name: lintels." Pg 109 "Many materials have been used as insulation over the years. Since the early 1990s these have included cellulose, mineral wool, straw panels, and fiberglass, among others. Cellulose is the oldest insulating material used in buildings in the United States." Pg 89 The roof pitch calculation contradicts itself with regard to span and run definition. Pg 61 "Wood is the one natural product used in the building industry." That after starting the chapter with natural stone being one of the first building materials ever used. Pg 116 uses the wrong pump names by using jockey pump to describe what is actually the lead pump which is properly described on page 126. Pg 150 "The roof covering can be slate or metal sheeting (see Figure 6-35)." Figure 6-35 is a heavy timber frame to masonry wall connection. Pg 193 "The brief initial report in Phase I should be no more than 4 seconds in length and should provide information that is specific and informative." It is actually describing Phase II per page 186, "Phase I is pre-incident information. Phase II is initial size-up..." Pg 204 "Type II construction is the predominant form of building for high-rise structures." Page 133 describes type I as being the building type for high-rise buildings and on page 141 the type II section says nothing about high-rise buildings. Pg 217 lists "staging" as part of the "command staff" in the ICS system which is wrong. There are many others, but the greatest gem started the book in the third paragraph on pg 2 "The force (of gravity) increases for every inch that a structure rises above the ground." The 100% opposite is true. I have little faith in the information this book is trying to communicate. Was there no editing done? Did anyone read this book through before publishing? I've read it twice now, due to a promotional test, and it is a maddening read. It's supposed to be a BUILDING CONSTRUCTION book! If you have a choice, I wouldn't recommend buying this book. You just don't know what information is accurate.

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