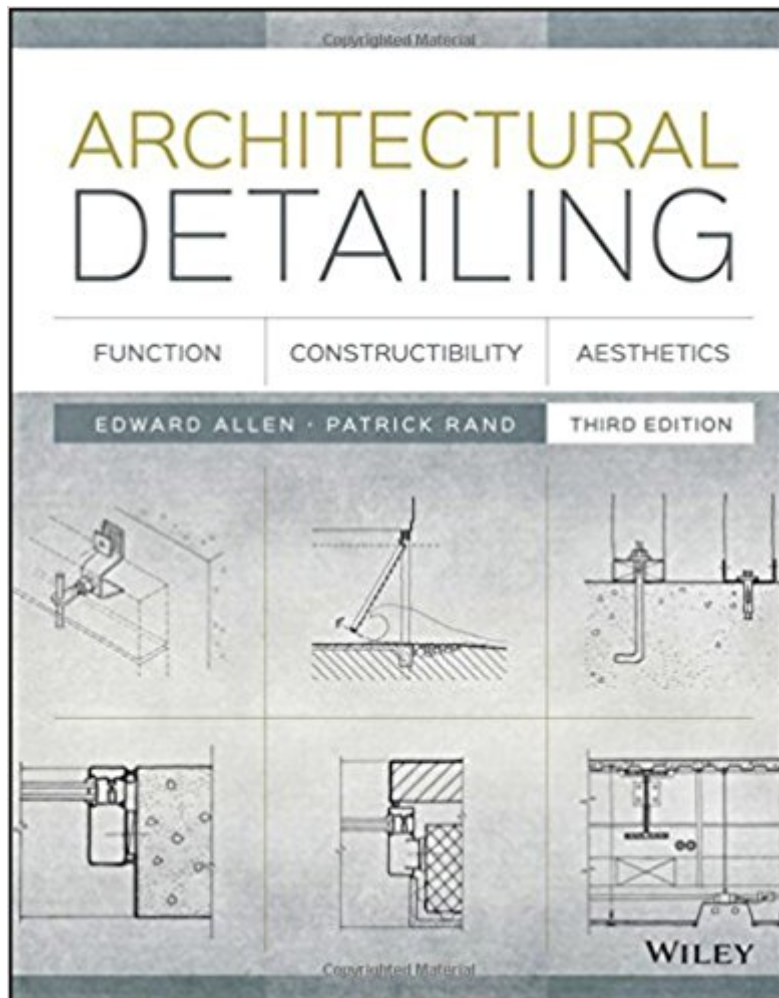




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# Architectural Detailing: Function, Constructibility, Aesthetics



## Synopsis

The industry-standard guide to designing well-performing buildings Architectural Detailing systematically describes the principles by which good architectural details are designed. Principles are explained in brief, and backed by extensive illustrations that show you how to design details that will not leak water or air, will control the flow of heat and water vapor, will adjust to all kinds of movement, and will be easy to construct. This new third edition has been updated to conform to International Building Code 2012, and incorporates current knowledge about new material and construction technology. Sustainable design issues are integrated where relevant, and the discussion includes reviews of recent built works that extract underlying principles that can be the basis for new patterns or the alteration and addition to existing patterns. Regulatory topics are primarily focused on the US, but touch on other jurisdictions and geographic settings to give you a well-rounded perspective of the art and science of architectural detailing. In guiding a design from idea to reality, architects design a set of details that show how a structure will be put together. Good details are correct, complete, and provide accurate information to a wide variety of users. By demonstrating the use of detail patterns, this book teaches you how to design a building that will perform as well as you intend. Integrate appropriate detailing into your designs Learn the latest in materials, assemblies, and construction methods Incorporate sustainable design principles and current building codes Design buildings that perform well, age gracefully, and look great Architects understand that aesthetics are only a small fraction of good design, and that stability and functionality require a deep understanding of how things come together. Architectural Detailing helps you bring it all together with a well fleshed-out design that communicates accurately at all levels of the construction process.

## Book Information

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## Customer Reviews

"...this book presents the drawings alongside a clear description of the function of each individual element. This book would be valuable for anyone who wants to learn how and why things are built, rather than just copying some random detail from a google image search."â "East-West News Service, May 2016

THE CLASSIC DETAILING TEXT, UPDATED WITH THE LATEST DEVELOPMENTS IN PRACTICE AND CODES Architectural Detailing is the go-to text for learning to design details that perform well and look great. Systematically laying out the principles of quality architectural detailing in a highly visual format, this book demonstrates the proper integration of appropriate detailing into ambitious designs, not just safe ones. This new third edition has been updated to include information on new materials, assemblies, and construction methods, and employs recently built works in order to extract underlying principles that can serve as a basis for new patterns. While primarily US-centric in regulatory matters, the text is fully aligned with International Building Codes, and touches on other jurisdictions and geographical settings to provide a well-rounded reference on architectural detailing. Understand detailing patterns related to function, constructibility, and aesthetics Learn how detailing patterns are applied during the design process Follow along with the detailing process of wood, concrete, and brick veneer buildings Apply detailing principles and patterns through hands-on exercises With comprehensive coverage and over 500 illustrations, Architectural Detailing is the most current and useful reference to guide designers through the process of architectural detailing.

Excellent! This book will teach you how to fish. The primary use for me has been to establish a framework for detailing future projects - giving me the "why" and "how" of a WIDE variety of detailing patterns rather than the what. It provides a set of principles in support of detailing projects for protection from water, graceful aging, using the minimum number of parts, etc. etc. etc. etc., and then lets the architect do what architects do best - create meaningful solutions that both accomplish their purpose and reinforce the essence of the project. It goes so far beyond providing cut-and-pasteable solutions. The "patterns" developed in the book are rich and diverse. Although some patterns are essential for nearly all details of a certain type (i.e. removing water from a wall), many are just good ideas. They encourage the architect to create a "hierarchy of values" for their

details and apply the patterns that are most relevant to each detail according to that hierarchy. I could even see an architect explaining how she/he is planning to address a client's needs by pointing to particular detailing patterns that she/he will use throughout the project to ensure quality/efficiency. By teaching us how and why to fish rather than providing a list of currently popular fish, this book is certain to have a long and useful life. I have no doubts that this will be the definitive architectural detailing text of its kind for both students and new and old professionals for many, many years to come.

When considering architectural merit, we are all too often seduced by elaborate expressions of form and material. Unfortunately, the resulting oversight keeps many of us from discovering a building's more subtle -- yet no less interesting and important -- architectural achievements, often times revealed only through the closer study and examination of a building's details, both individually and as part of a greater whole. "Architectural Detailing" allows for just that: this well-illustrated book provides a reference for further examination and understanding of detailing systems employed in many of the buildings the stand around us. Understanding these systems, which the book often presents in their most principal form, allows architects -- both practicing and aspiring -- along with other building professionals and lay persons alike, to readily grasp the fundamentals of well-designed building details.

I've been working in the architectural industry under the direction of the project architect for just about three years now. I remember my first couple of years being terrified of details, particularly those of consultants. The information in them was far too abstract for me to truly understand, and me creating my own details was too daunting of a task. I'm at a point now where I can much better understand and appreciate details, and I've finally begun coordinating and drawing my own from the various disciplines. There's certainly still room for improvement, and I've found this book to be a tremendous resource for me. Since many design professionals do not have actual construction experience (myself included), it is difficult to imagine some of the nuances of the various building components and how they actually come together in the field. This book makes you think about the realities of construction and articulates some simple yet often overlooked principles in construction. Effective details result in faster and cheaper assemblies, both in material and labor. Your clients will appreciate the lower budget and shortened schedule. Construction professionals will respect you for understanding and appreciating the realities of construction. It has always been my goal to not design from the ivory tower, and this book has served me well in paving the path to my becoming

a well-rounded architect. I would strongly recommend this book to any soon-to-be design professional who is serious about learning the nuts-and-bolts of building components and how to detail them.

I was hoping that this book would assist staff in developing details for CDs. Unfortunately, it contains little useful information in that regard. This book is essentially a primer, notes from an "Architectural Detailing 101" course -- heavy on discussion, light on actual details.

Simple illustrations of clearly articulated concepts. Provides various ways to improve and think about improving building performance. Outlines detailing patterns for easy incorporation into your design. Provides examples of real-world application of these principles. In sum, another great publication from Ed Allen and Pat Rand.

good book

I'm about half-way through this book and have already found it immensely helpful. The explanations of the detail patterns it outlines are very well written, easy to understand, and appropriately illustrated. Many aspects of building design are covered. This should be required reading for all architecture students.

digging deeper. After Ching's book, this was my choice at school library. Solving communication issues requires a standard for architectural expression.

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