



Architectural Detailing: Function, Constructibility, Aesthetics

By Edward Allen, Patrick Rand

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Architectural Detailing: Function, Constructibility, Aesthetics By Edward Allen, Patrick Rand

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.

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Editorial Review

Review

"...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."

—*East-West News Service*, May 2016

From the Back Cover

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.

About the Author

EDWARD ALLEN, FAIA, has been a member of the faculties at both Yale University and the Massachusetts Institute of Technology, and has frequently taught as a guest at institutions across the United States for over 30 years. He is the bestselling author of *The Architect's Studio Companion*; *Shaping Structures: Statics*; and *Fundamentals of Building Construction*.

PATRICK RAND, FAIA, is a Distinguished Professor in the School of Architecture at North Carolina State University. He has been recognized nationally for his innovative teaching and research regarding construction materials.

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