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# Understanding Architectural Details First In Architecture

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## Understanding Architectural Details

### The Survival Guide to Architectural Internship and Career Development

*Understanding Architectural Details* Downloaded from [process.ogleschool.edu](http://process.ogleschool.edu)  
*First In Architecture* by guest

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##### Traditional Details Laurence King Publishing

A comprehensive source of traditional architectural details for anyone working with old structures. Compiling the most useful material from the first four editions of *Architectural Graphic Standards* published between 1932 and 1951, this book brings back into circulation hundreds of architectural illustrations and standards that have once again become relevant to design work. Chapters cover all facets of building construction from foundations to furnishings and are structured to follow the drawing preparation sequence of a typical rehabilitation project. Architects, designers, and others involved in rebuilding and renovating structures built in decades past will find here many of the details and information used by the original architects and builders. Impeccably organized and beautifully rendered, this handsome reference is both a terrific working tool and a wonderful addition to an architecture library.

**Building Evolutionary Architectures** First in Architecture  
This edition of the industry standard on architectural detailing includes new sections covering analysis and modification of existing details and design of new details, both basic and advanced. Revised to address sustainability and to reflect the International Building Code®, *Architectural Detailing* continues to deliver reliable, insightful information on how to design details that will be water- and airtight, control the flows of heat and water vapor, adjust to all kinds of movement, age gracefully, be easy to construct, and still look good. Conveniently organized by the three major concerns of the detailer—function, constructibility, and aesthetics—this edition features: Richly illustrated examples of detail design, case studies, and practical exercises. New and revised patterns showing form, constructibility, and aesthetics. Everything you need, whether a student or professional, to design details that work. Order your copy today.

*Siegfried Kracauer* Penguin

This is an essential aid in the initial design and planning of a project. The relevant building type is located by a comprehensive index and cross reference system, a condensed commentary covers user requirements, planning criteria, basic dimensions and other considerations of function, siting aspect etc. A system of references based on an extensive bibliography supports the text. In every section plans, sections, site layouts, design details and graphs illustrated key aspects of a building type's design. Most illustrations are dimensioned or scaled - the metric system of measurement is used throughout, and the equivalent in feet/inches can easily be read either off a graphic scale on the page or from the built-in conversion table. The illustrations are international in origin and include both well know and less famous designers. *Architects Data* is primarily a handbook of building types rather than of construction techniques and details. However its treatment of components (such as doors and windows) and of spaces for building services is extremely thorough, since consideration of this data is an essential element of the planning process. The opening pages of basic data on man and his buildings cover critical subjects such as scale, drawing practice, noise, light and space for the same reason. Particular attention has also been paid to the implications of energy conservation, means of escape from fire and the needs of the elderly and the disabled.

##### **Residential Construction** John Wiley & Sons

This is the most accessible architectural theory book that exists. Korydon Smith presents each common architectural subject - such as tectonics, use, and site - as though it were a conversation across history between theorists by providing you with the original text, a reflective text, and a philosophical text. He also introduces each chapter by highlighting key ideas and asking you a set of reflective questions so that you can hone your own theory, which is essential to both your success in the studio and your adaptability in the profession. These primary source texts, which are central to your understanding of the discipline, were written by such architects as Le Corbusier, Robert Venturi, and Adrian Forty. The appendices also have guides to aid your reading comprehension; to help you write descriptively, analytically, and

disputationally; and to show you citation styles and how to do library-based research. More than any other architectural theory book about the great thinkers, *Introducing Architectural Theory* teaches you to think as well.

##### **American Architecture** John Wiley & Sons

*Architectural Details Sketchbook* is about hand-sketches of details ranging from the Mediterranean to the American styles. It was purposely created to promote accuracy in creating details and to discourage the use of guesswork. Its main intent is to share creative ideas as well to architects, designers, students, and individuals alike based on its cultural heritage of style.

##### **A Visual Guide to 5000 Years of Building Styles** "O'Reilly Media, Inc."

This major new book offers a much-needed introduction to the work of Siegfried Kracauer, one of the main intellectual figures in the orbit of the Frankfurt School of Critical Theory. It is part of a timely revival and reappraisal of his unique contribution to our critical understanding of modernity, the interrogation of mass culture, and the recognition of both the dynamism and diminution of human experience in the hustle and bustle of the contemporary metropolis. In stressing the extraordinary variety of Kracauer's writings (from scholarly philosophical treatises to journalistic fragments, from comic novels to classified reports) and the dazzling diversity of his themes (from science and urban architectural visions to slapstick and dancing girls), this insightful book reveals his fundamental and formative influence upon Critical Theory and argues for his vital relevance for cultural analysis today. Kracauer's work is distinguished by an acute sensitivity to the 'surface manifestations' of popular culture and a witty, eminently readable literary style. In exploring and making accessible the work of this remarkable thinker, this book will be indispensable for scholars and students working in many disciplines and interdisciplinary fields: sociology and social theory; film, media and cultural studies; urban studies, cultural geography and architectural theory; philosophy and Critical Theory.

The Fountainhead Oxford University Press, USA

The practice of enterprise application development has benefited

from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. *Patterns of Enterprise Application Architecture* is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include

- Dividing an enterprise application into layers
- The major approaches to organizing business logic
- An in-depth treatment of mapping between objects and relational databases
- Using Model-View-Controller to organize a Web presentation
- Handling concurrency for data that spans multiple transactions
- Designing distributed object interfaces

*Space Planning Basics* McGraw-Hill Companies

Space planning involves much more than sketching a preliminary floor plan. A designer must take a client's programming needs into account and must also consider how other factors such as building codes and environmental factors affect a spatial composition. *Space Planning Basics*, now in its Third Edition, offers a highly visual, step-by-step approach to developing

preliminary floor plans for commercial spaces. The book provides tools for visualizing space and walks the designer through other considerations such as building code requirements and environmental control needs. Specific programming techniques covered include matrices, bubble diagrams, CAD templates, block plans, and more. New to this edition are coverage of the basics of stair design, an essential aspect for planning spaces.

*Understanding Architectural Details* Dom Pub

An exploration of the history and significance of the architectural survey drawing through focused studies on John Soane, Charles Robert Cockerell, Detmar Blow, Louis-Hippolyte Lebas, Henri Labrouste, Eugène Viollet-le-Duc, and Peter Märkli. When architects visit a building and want to record or identify what they see, they take out a bundle of folded sheets in search of a blank piece of paper. These sheets may be ground plans, diagrams, sketches, or ordnance maps. In one way or another, all are survey drawings, operating as both documentation and analysis, enabling an architect to examine certain conditions of the built environment, whether geometric, relational, material, or technical. This book explores the history of the survey and its multiple forms in order to understand how the methods of recording what already exists can also be used to imagine what might be. Lavishly illustrated, with works from the collection of Drawing Matter and beyond, it addresses the multiple forms of the survey through focused studies--on John Soane (1753-1837), Charles Robert Cockerell (1788-1863), and Detmar Blow (1867-1939); French architects Louis-Hippolyte Lebas (1782-1867), Henri Labrouste (1801-75), and Eugène Viollet-le-Duc (1814-79); and Swiss-based Peter Märkli (born 1953)--and an extensive section of plates with commentaries by contemporary architects. In doing so, it maintains that while all surveys begin with the site, the outcomes are as idiosyncratic as their authors--and their methods have much to offer as tools in design practice. *Survey* is the first volume of *Architecture Iconographies*, a series that considers architecture through its typologies and unique approaches to drawing, aiming to open up further possibilities for their contemporary use in design and teaching. The series is published in collaboration with Drawing Matter, based in Somerset, England, which is committed to exploring the role of drawing in architectural thought and practice.

*Victorian Architectural Details* Chronicle Books

Hundreds of rare illustrations depict wide range of design alternatives for prospective homeowners of the late 19th century. The emphasis is on architectural details — from cornices and dormer windows to piazzas and balconies.

*Thinking Design Hb* Universe Pub

Do you know a Doric column when you see one? Of course. But what about an entablature, a hypostyle, a pylon, or a pagoda? *Architecture Styles* uses beautifully engraved plates from the great works of architectural history to illustrate a show-and-tell journey round the architecture of civilizations east and west, from Ancient Egypt to the Industrial Revolution. Most of the drawings and engravings have been taken from early sources, unparalleled for their elegance and delicacy of line, as well as for the amount of fine detail they offer. Extended captions and annotation supply you with a complete naming of parts which, as well as identifying and defining the correct terminology, will help you to understand how architects have planned and made the buildings of the past, from Amenhotep to Palladio, and Vitruvius to Wren.

*A Simple Guide to Passivhaus Detailing and Design* Park Publishing (WI)

*Understanding Architectural Details - Commercial*, is dedicated to steel and concrete construction. The book is packed full of over 150 construction details in 2D, and 150 construction details in 3D. We look at the principles behind construction detailing, and delve deep into each area of the building to make sure you have a full understanding of construction design. Foundations and floors strip foundations pad foundations pile foundations raft foundations ground bearing floors suspended floors Frames concrete frame structures steel frame structures long span frames including portal frames Roofs concrete deck flat roof green roof steel deck pitched roof steel deck flat roof Basements Type A basement structures Type B basement structures Type C basement structures Walls & Cladding concrete cladding panels standing seam insulated brick slips composite metal panels insulated render masonry rainscreen timber rainscreen stone rainscreen PLUS new to this second edition: Functional Requirements Detailing Principles Materials Even more details than before! How the book will help you: Gain a better understanding of commercial construction Understand the principles of construction detailing Understand the functional requirements of a building in relation to the building regulations Learn about the different materials

available and their benefits Improve your technical ability Increase your skill set to make you more employable Save a huge amount of time searching for details, over 150 details in one place

**Architectural Details Sketchbook** Routledge

Along with plan and elevation, section is one of the essential representational techniques of architectural design; among architects and educators, debates about a project's section are common and often intense. Until now, however, there has been no framework to describe or evaluate it. Manual of Section fills this void. Paul Lewis, Marc Tsurumaki, and David J. Lewis have developed seven categories of section, revealed in structures ranging from simple one-story buildings to complex structures featuring stacked forms, fantastical shapes, internal holes, inclines, sheared planes, nested forms, or combinations thereof. To illustrate these categories, the authors construct sixty-three intricately detailed cross-section perspective drawings of built projects—many of the most significant structures in international architecture from the last one hundred years—based on extensive archival research. Manual of Section also includes smart and accessible essays on the history and uses of section.

*Understanding Passivhaus* Routledge

A concise guide to the process from architectural education to internship and career development. It also covers issues related to obtaining a first professional job after graduation, and the various questions and problems involved in going from education to practice.

*The Globotics Upheaval* John Wiley & Sons Incorporated

The software development ecosystem is constantly changing, providing a constant stream of new tools, frameworks, techniques, and paradigms. Over the past few years, incremental developments in core engineering practices for software development have created the foundations for rethinking how architecture changes over time, along with ways to protect important architectural characteristics as it evolves. This practical

guide ties those parts together with a new way to think about architecture and time.

*Architectural Graphics* John Wiley & Sons

Detail in Contemporary Concrete Architecture provides analysis of both the technical and the aesthetic importance of details in modern concrete architecture. Featuring the work of renowned architects from around the world, this book presents 49 of the most recently completed and influential concrete designs for both residential and commercial architecture. The projects are presented in clear and concise layouts over four pages. All of the drawings are styled consistently and presented at standard architectural scales to allow for easy comparison. Each project is presented with colour photographs, site plans and sections and elevations, as well as numerous construction details. There is also descriptive text, detailed captions and in-depth information for each project.

*A Visual Guide to Construction Detailing* John Wiley & Sons

The trendsetting architect Rem Koolhaas has carried it out to perfection, whereas the next generation of international stars refined it even more, giving us the unconventional presentation of designs and ideas in the form of diagrams. This method of presentation is easy to understand when dealing with the client and can be communicated internationally, beyond language and cultural barriers - a product of our globalised world. However, diagrams are now much more than explanations and form their own discipline in creative professions connected to design and construction. What looks simple is in fact a complex matter. This title in the series Construction and Design Manual is in its second edition and assembles 384 pages of diagrams by avant-garde architects and designers who specialise in public space, landscape architecture and urban planning.

*How Designers and Architects Created the Digital Landscape* Taunton Press

The significant "isms" of architectural history, ranging from the ancient Greeks and Romans, to the Renaissance, to the present day, are presented in sixty illustrated and well defined spreads

illuminating a variety of architectural movements and periods. 12,500 first printing.

**For Building Restoration, Renovation, and Rehabilitation** Routledge

A clearly distilled architectural atlas based on 144 major designs from ancient times to the twenty-first century, showcasing the cultural dimension of building. However disparate the style or ethos, beneath architecture's pluralism lies a number of categorical typologies. In Thinking Design, Austrian architect Andreas Lechner has condensed his profound typological understanding into a single book. Divided into three chapters--Tectonics, Type, and Topos--Lechner's book reflects upon twelve fundamental typologies: theater, museum, library, state, office, recreation, religion, retail, factory, education, surveillance, and hospital. Encompassing a total of 144 carefully selected examples of classic designs and buildings, ranging across an epic sweep from antiquity to the present, the book not only explains the fundamentals of collective architectural knowledge but traces the interconnected reiterations that lie at the heart of architecture's transformative power. As such, Thinking Design outlines a new building theory rooted in the act of composition as an aesthetic determinant of architectural form. This emphasis on composition in the design process over the more commonplace aspects of function, purpose, or atmosphere makes it more than a mere planning manual. It reveals also the cultural dimension of architecture that gives it the ability to transcend not only use cycles but entire epochs. Each example is meticulously illustrated with a newly drawn elevation or axonometric projection, floor plan, and section, not only invigorating the underlying ideas but also making the book an ideal comparative compendium.

**Architectural Detailing** John Wiley & Sons

Understanding Architectural Details - Residential, provides students with clear and concise construction information to help improve understanding of construction detailing. It is packed with 2d detail examples and 3d colour details.

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