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Architecture *John Wiley & Sons*

THE CLASSIC ARCHITECTURAL REFERENCE, UPDATED WITH CONTEMPORARY EXAMPLES AND INTERACTIVE RESOURCES For more than forty years, the beautifully illustrated *Architecture: Form, Space, and Order* has served as the classic introduction to the basic vocabulary of architectural design. The updated and revised Fourth Edition features the fundamental elements of space and form and is designed to encourage critical thought in order to promote a more evocative understanding of architecture. *Architecture: Form, Space, and Order* distills complex concepts of design into a clear focus and brings difficult abstractions to life. The book explains form and space in relation to light, view, openings, and enclosures and explores the organization of space, and the elements and relationships of circulation, as well as proportion and scale. In addition, the text's detailed illustrations demonstrate the concepts presented and reveal the relationships between

fundamental elements of architecture through the ages and across cultures. This edition includes an access card with a redemption code for the online Interactive Resource Center, which features thirty-five animations, flashcards of key architectural terms, and an image gallery showcasing hundreds of photos that enrich the book's content.

Architecture *John Wiley & Sons*

A superb visual reference to the principles of architecture Now including interactive CD-ROM! For more than thirty years, the beautifully illustrated *Architecture: Form, Space, and Order* has been the classic introduction to the basic vocabulary of architectural design. The updated Third Edition features expanded sections on circulation, light, views, and site context, along with new considerations of environmental factors, building codes, and contemporary examples of form, space, and order. This classic visual reference helps both students and practicing architects understand the basic vocabulary of architectural design by examining how form and space are ordered in the built environment. Using his trademark meticulous drawing, Professor Ching shows the relationship between fundamental elements of architecture through the ages and across cultural boundaries. By looking at these seminal ideas, *Architecture: Form, Space, and Order* encourages the reader to look critically at the built environment and promotes a more evocative understanding of architecture. In addition to updates to content and many of the illustrations, this new edition includes a companion CD-ROM that brings the book's architectural concepts to life through three-dimensional models

and animations created by Professor Ching.

Architecture, Form, Space & Order

Van Nostrand Reinhold Company

"For more than thirty years, the illustrated *Architecture: Form, Space, and Order* has been the classic introduction to the basic vocabulary of architectural design. The updated Third Edition features expanded sections on circulation, light, views, and site context, along with new considerations of environmental factors, building codes, and contemporary examples of form, space, and order." "This classic visual reference helps both students and practicing architects understand the basic vocabulary of architectural design by examining how form and space are ordered in the built environment. Using his trademark meticulous drawing, Professor Ching shows the relationship between fundamental elements of architecture through the ages and across cultural boundaries. By looking at these seminal ideas, *Architecture: Form, Space, and Order* encourages the reader to look critically at the built environment and promotes a more evocative understanding of architecture."--BOOK JACKET.

Architecture, Form, Space & Order

Van Nostrand Reinhold Company

Hand-lettered explanations demonstrate the principles of form, space, and order that underlie architectural design. Crystal-clear illustrations and in-depth explanations cover point, line, plane, volume, proportion, scales, and more. "Recommended"--Choice. Illustrated.

Introduction to Architecture *John Wiley & Sons*

A survey of the built environment distills

the work of legendary author and illustrator Francis D. K. Ching into a single volume *Introduction to Architecture* presents the essential texts and drawings of Francis D. K. Ching for those new to architecture and design. With his typical highly graphic approach, this is the first introductory text from Ching that surveys the design of spaces, buildings, and cities. In an easy to understand format, readers will explore the histories and theories of architecture, design elements and process, and the technical aspects of the contemporary profession of architecture. The book explains the experience and practice of architecture and allied disciplines for future professionals, while those who love the beauty of architecture drawing will delight in the gorgeous illustrations included. Overview of the issues and practices of architecture in an all-in-one introductory text Includes new chapters and introductory essays by James Eckler, and features more than 1,000 drawings throughout Professor Ching is the bestselling author of numerous books on architecture and design, all published by Wiley; his works have been translated into 16 languages and are regarded as classics for their renowned graphical presentation For those pursuing a career in architecture or anyone who loves architectural design and drawing, *Introduction to Architecture* presents a beautifully illustrated and comprehensive guide to the subject.

Architecture: Form, Space, and Order, Fourth Edition Interactive Resource Center Access Card *Wiley*

The Interactive Resource Center is an online learning environment where instructors and students can access the tools they need to make efficient use of

their time, while reinforcing and assessing their understanding of key concepts for successful understanding of the course. The online Interactive Resource Center contains resources tied to the book, such as: Interactive Animations highlighting key concepts Photo Gallery of architectural precedents illustrated in the book Flashcards for focused learning For more than forty years, the beautifully illustrated *Architecture: Form, Space, and Order* has served as the classic introduction to the basic vocabulary of architectural design. The updated and revised Fourth Edition features the fundamental elements of space and form and is designed to encourage critical thought in order to promote a more evocative understanding of architecture.

Design Drawing *John Wiley & Sons*

THE CLASSIC GUIDE TO DRAWING FOR DESIGNERS, REVISED AND UPDATED TO INCLUDE CURRENT DIGITAL-DRAWING TECHNIQUES Hand drawing is an integral part of the design process and central to the architecture profession. An architect's precise interpretation and freedom of expression are captured through hand drawing, and it is perhaps the most fundamental skill that the designer must develop in order to communicate thoughts and ideas effectively. In his distinctive style, world-renowned author Francis D. K. Ching presents *Design Drawing, Third Edition*, the classic guide to hand drawing that clearly demonstrates how to use drawing as a practical tool for formulating and working through design problems. While digital tools continue to evolve, this Third Edition includes new illustrations and information on the latest digital-drawing techniques. *Design Drawing, Third Edition* covers the basics of

drawing, including line, shape, tone, and space. Guiding the reader step-by-step through the entire drawing process, this Third Edition also examines different types of drawing techniques such as multiview, paraline, and perspective drawings—and reveals how the application of these techniques creates remarkable results. In addition, *Design Drawing, Third Edition*:

- Features over 1,500 hand drawings—stunning illustrations in the author's signature style that reinforce the concepts and lessons of each chapter
- Offers new exercises and illustrative examples that range in complexity
- Presents all-new digital drawing topics, such as hybrid floor plans, digital models and fabrication, and hand-to-digital fluency
- Includes access to a new website featuring videos of the author demonstrating freehand techniques in a step-by-step manner in the studio and on location

Written and illustrated for professional architects, designers, fine artists, illustrators, instructors and students, *Design Drawing, Third Edition* is an all-in-one package and effective tool that clearly demonstrates drawing concepts and techniques in a visually stimulating format that outshines other works in the field.

Interior Design Illustrated *John Wiley & Sons*

Offers a concise and accessible presentation of important concepts for beginning designers, and experienced practitioners will appreciate its insightful and practical coverage of the relationship between building structures and interior spaces. A broad range of rich illustrations communicates visual information and ploughs fertile ground for creative ideas and inspiration.

Architectural Graphics *Elsevier*

Architectural Graphics focuses on the techniques, methodologies, and graphic tools used in conveying architectural ideas. The book takes a look at equipment and materials, architectural drafting, and architectural drawing conventions. Discussions focus on drawing pencils, technical drawing pens, set squares/templates, circle templates/compasses, line weight/line types, drafting technique, drawing circular elements, floor plan, doors and windows in plan, stairs, wall indications, plan grids, and site boundaries. The manuscript examines rendition of value and context and graphic symbols and lettering. Topics include tonal values, media and techniques, value/texture rendition, material rendition, shades and shadows, people, furniture, graphic representation symbols, and hand lettering. The text explores freehand drawing and architectural presentations, including freehand sketching, graphic diagraming, and sketching equipment. The publication is a valuable reference for architects interested in doing further studies in architectural graphics.

The Architecture Reference & Specification Book Updated & Revised *Rockport*

Most architectural standards references contain thousands of pages of details, overwhelmingly more than architects need to know to know on any given day. The updated and revised edition of Architecture Reference & Specification contains vital information that's essential to planning and executing architectural projects of all shapes and sizes, all in a format that is small enough to carry anywhere. It distills the data provided in standard architectural volumes and is an easy-to-use reference for the most

indispensable--and most requested--types of architectural information.

A Global History of Architecture *John Wiley & Sons*

Praise for the First Edition "Because of its exceptionally wide perspective, even architectural historians who do not teach general survey courses are likely to enjoy and appreciate it." —Annali d'architettura "Not only does A Global History of Architecture own the territory (of world architecture), it pulls off this audacious task with panache, intelligence, and—for the most part—grace." —Journal of the Society of Architectural Historians Revised and updated—the compelling history of the world's great architectural achievements Organized along a global timeline, A Global History of Architecture, Second Edition has been updated and revised throughout to reflect current scholarship. Spanning from 3,500 b.c.e. to the present, this unique guide is written by an all-star team of architectural experts in their fields who emphasize the connections, contrasts, and influences of architectural movements throughout history. The architectural history of the world comes to life through a unified framework for interpreting and understanding architecture, supplemented by rich drawings from the renowned Frank Ching, as well as brilliant photographs. This new Second Edition: Delivers more coverage of non-Western areas, particularly Africa, South Asia, South East Asia, and Pre-Columbian America Is completely re-designed with full-color illustrations throughout Incorporates additional drawings by Professor Ching, including new maps with more information and color Meets the requirements set by the National Architectural Accrediting Board (NAAB)

for "non-Western" architecture in history education. Offers new connections to a companion Web site, including Google Earth™ coordinates for ease of finding sites. Architecture and art enthusiasts will find *A Global History of Architecture, Second Edition* perpetually at their fingertips.

A Visual Dictionary of Architecture

John Wiley & Sons

The classic, bestselling reference on architecture now revised and expanded! An essential one-volume reference of architectural topics using Francis D.K. Ching's signature presentation. It is the only dictionary that provides concise, accurate definitions illustrated with finely detailed, hand-rendered drawings. From Arch to Wood, every concept, technology, material and detail important to architects and designers are presented in Ching's unique style. Combining text and drawing, each term is given a minimum double-page spread on large format trim size, so that the term can be comprehensively explored, graphically showing relations between concepts and sub-terms. A comprehensive index permits the reader to locate any important word in the text. This long-awaited revision brings the latest concepts and technology of 21st century architecture, design and construction to this classic reference work. It is sure to be by the side of and used by any serious architect or designer, students of architecture, interior designers, and those in construction.

Interior Design Illustrated *Wiley*

Francis D. K. Ching's illustrated introduction to interior design is now completely revised and even more clear and accessible than in the previous

bestselling edition. His unique approach is more useful than ever, with a reformatted, larger trim size for easy reading and an all-new full color section! The book includes new and updated material on finishes, furnishings and textiles, lighting, sustainability, acoustics, workstations, and much more. Order your copy today!

Sketch Now, Think Later *Urban Sketching Handbooks*

Urban sketcher Mike Daikubara gives beginners a crash course in location sketching that you can use in any city or town in *Sketch Now, Think Later*.

Building Construction Illustrated

John Wiley & Sons

The classic visual guide to the basics of building construction, now with the most current information. For nearly three decades, *Building Construction Illustrated* has offered an outstanding introduction to the principles of building construction. This new edition of the revered classic remains as relevant as ever-providing the latest information in Francis D.K. Ching's signature style. Its rich and comprehensive approach clearly presents all of the basic concepts underlying building construction and equips readers with useful guidelines for approaching virtually any new materials or techniques they may encounter. Laying out the material and structural choices available, it provides a full understanding of how these choices affect a building's form and dimensions. Complete with more than 1,000 illustrations, the book moves through each of the key stages of the design process, from site selection to building components, mechanical systems, and finishes. Illustrated throughout with clear and accurate drawings that present the

state of the art in construction processes and materials Updated and revised to include the latest knowledge on sustainability, incorporation of building systems, and use of new materials Archetypal drawings offer clear inspiration for designers and drafters Reflects the most current building codes and CSI Master Format numbering scheme With its comprehensive and lucid presentation of everything from foundations and floor systems to finish work, *Building Construction Illustrated, Fourth Edition* equips students and professionals in all areas of architecture and construction with useful guidelines for approaching virtually any new materials or techniques they may encounter in building planning, design, and construction.

Architecture and Order *Routledge*

Architecture is a powerful medium for representing, ordering and classifying the world, and understanding the use of space is fundamental to archaeological inquiry. *Architecture and Order* draws on the work of archaeologists, social theorists and architects to explore the way in which people relate to the architecture which surrounds them. In many societies, houses and tombs have encoded cultural meanings and values which are invoked and recalled through the practices of daily life. Chapters include explorations of the early farming r archi*eye of Europe, from before the use of metals, to the Classical and Medieval worlds of the Mediterranean and Europe. Research of the recent past and present include an overview of hunter-gatherers' camp organization, a reassessment of the use of space amongst the Dogon of West Africa and an examination of mental disorders relating to the use of space in Britain.

The volume goes beyond the implication that culture determines form to develop an approach that integrates meaning and practice.

Binding Space: The Book as Spatial Practice *Routledge*

Books orient, intrigue, provoke and direct the reader while editing, interpreting, encapsulating, constructing and revealing architectural representation. *Binding Space: The Book as Architectural Practice* explores the role of the book form within the realm of architectural representation. It proposes the book itself as another three-dimensional, complementary architectural representation with a generational and propositional role within the design process. Artists' books in particular – that is, a book made as an original work of art, with an artist, designer or architect as author – have certain qualities and characteristics, quite different from the conventional presentation and documentation of architecture. Paginal sequentiality, the structure and objecthood of the book, and the act of reading create possibilities for the book as a site for architectural imagining and discourse. In this way, the form of the book affects how the architectural work is conceived, constructed and read. In five main sections, *Binding Space* examines the relationships between the drawing, the building and the book. It proposes thinking through the book as a form of spatial practice, one in which the book is cast as object, outcome, process and tool. Through the book, we read spatial practice anew.

Space Planning Basics *John Wiley & Sons*

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.

Experiencing Architecture, second edition *MIT Press*

A classic examination of superb design through the centuries. Widely regarded as a classic in the field, *Experiencing Architecture* explores the history and promise of good design. Generously illustrated with historical examples of designing excellence—ranging from teacups, riding boots, and golf balls to the villas of Palladio and the fish-feeding pavilion of Beijing's Winter Palace—Rasmussen's accessible guide invites us to appreciate architecture not only as a profession, but as an art that shapes everyday experience. In the past, Rasmussen argues, architecture was not just an individual pursuit, but a community undertaking. Dwellings were built with a natural feeling for place, materials and use, resulting in “a remarkably suitable comeliness.” While we cannot return to a former age, Rasmussen notes, we can still design

spaces that are beautiful and useful by seeking to understand architecture as an art form that must be experienced. An understanding of good design comes not only from one's professional experience of architecture as an abstract, individual pursuit, but also from one's shared, everyday experience of architecture in real time—its particular use of light, color, shape, scale, texture, rhythm and sound. *Experiencing Architecture* reminds us of what good architectural design has accomplished over time, what it can accomplish still, and why it is worth pursuing. Wide-ranging and approachable, it is for anyone who has ever wondered “what instrument the architect plays on.”

The Space Within *Reaktion Books*

Alvar Aalto once argued that what mattered in architecture wasn't what a building looks like on the day it opens but what it is like to live inside it thirty years later. In this book, architect and critic Robert McCarter persuasively argues that interior spatial experience is the necessary starting point for design, and the quality of that experience is the only appropriate means of evaluating a work after it has been built. McCarter reveals that we can't really know a piece of architecture without inhabiting its spaces, and we need to counter our contemporary obsession with exterior views and forms with a renewed appreciation for interiors. He explores how interior space has been integral to the development of modern architecture from the late 1800s to today, and he examines how architects have engaged interior space and its experiences in their design processes, fundamentally transforming traditional approaches to composition. Eloquently placing us within a host of interior spaces, he opens

up new ways of thinking about architecture and what its goals are and should be.

101 Things I Learned in Architecture School *MIT Press*

Concise lessons in design, drawing, the creative process, and presentation, from the basics of "How to Draw a Line" to the complexities of color theory. This is a book that students of architecture will want to keep in the studio and in their backpacks. It is also a book they may want to keep out of view of their professors, for it expresses in clear and simple language things that tend to be murky and abstruse in the classroom. These 101 concise lessons in design, drawing, the creative process, and presentation—from the basics of "How to Draw a Line" to the complexities of color theory—provide a much-needed primer in architectural literacy, making concrete what too often is left nebulous or open-ended in the architecture curriculum. Each lesson utilizes a two-page format, with a brief explanation and an illustration that can range from diagrammatic to whimsical. The lesson on "How to Draw a Line" is illustrated by examples of good and bad lines; a lesson on the dangers of awkward floor level changes shows the television actor Dick Van Dyke in the midst of a pratfall; a discussion of the proportional differences between traditional and modern buildings features a drawing of a building split neatly in half between the two. Written by an architect and instructor who remembers well the fog of his own student days, *101 Things I Learned in Architecture School* provides valuable guideposts for navigating the design studio and other classes in the architecture curriculum. Architecture graduates—from young designers to

experienced practitioners—will turn to the book as well, for inspiration and a guide back to basics when solving a complex design problem.

The Experience of Architecture *Thames & Hudson*

A thought-provoking consideration of how architecture, from a doorknob to a city plan, can influence human behavior. How does the experience of turning a door handle, opening a door from one space into another, affect us? It is no wonder that the door, one of the most elemental architectural forms, has such metaphorical richness. But even on a purely physical human level, the cold touch of a brass handle or the swish of a sliding screen gives rise to an emotional reaction, sometimes modest, occasionally profound. This book aims to understand how these everyday acts are influenced by architectural form, a concept that is vital for all architects to grasp. It considers how specifically built elements and volumes, taken from a wide array of buildings and settings around the world, can affect our powers of decision. From hand-carved stairs in Greek villages to free-floating catwalks, from the elegant processional steps of Renaissance Italy to Frank Lloyd Wright's masterly manipulation of form, all provide very different experiences of stepping from one level to the next, and all affect our experience of that space. Seamlessly integrating text and image, each chapter focuses on a different aspect of our daily interactions with architecture, looking at stairs, floors and paths, moving interior spaces, perception and perspective, transparency and the relationship between a building and its setting. This book is not just for architects and designers engaged in the production of

space, but for all those who seek a richer understanding of their place in the built world.

The Eyes of the Skin *John Wiley & Sons*

First published in 1996, *The Eyes of the Skin* has become a classic of architectural theory. It asks the far-reaching question why, when there are five senses, has one single sense – sight – become so predominant in architectural culture and design? With the ascendancy of the digital and the all-pervasive use of the image electronically, it is a subject that has become all the more pressing and topical since the first edition's publication in the mid-1990s. Juhani Pallasmaa argues that the suppression of the other four sensory realms has led to the overall impoverishment of our built environment, often diminishing the emphasis on the spatial experience of a building and architecture's ability to inspire, engage and be wholly life enhancing. For every student studying Pallasmaa's classic text for the first time, *The Eyes of the Skin* is a revelation. It compellingly provides a totally fresh insight into architectural culture. This third edition meets readers' desire for a further understanding of the context of Pallasmaa's thinking by providing a new essay by architectural author and educator Peter MacKeith. This text combines both a biographical portrait of Pallasmaa and an outline of his architectural thinking, its origins and its relationship to the wider context of Nordic and European thought, past and present. The focus of the essay is on the fundamental humanity, insight and sensitivity of Pallasmaa's approach to architecture, bringing him closer to the reader. This is illustrated by Pallasmaa's

sketches and photographs of his own work. The new edition also provides a foreword by the internationally renowned architect Steven Holl and a revised introduction by Pallasmaa himself.

Architecture as Space

This classic work (first published in Italian in 1948, translated in 1957, and revised in 1974) examines the history of architecture in light of its essence as space, animating and illuminating architectural creations so that their beauty—or indifference—is exposed. Along with commercial and dwelling units, temples, palaces, and cathedrals, Zevi treats structures such as fountains, columns, and monuments, subjecting them all to aesthetic, cultural, and functional criteria and explaining them in easily understood terms. Beautifully illustrated with examples from the entire history of the art, this is one of the most stimulating and provocative books ever written on the history and purpose of architecture.

Architecture Form Space and Order

How Buildings Learn *Penguin*

Buildings have often been studied whole in space, but never before have they been studied whole in time. *How Buildings Learn* is a masterful new synthesis that proposes that buildings adapt best when constantly refined and reshaped by their occupants, and that architects can mature from being artists of space to becoming artists of time. From the connected farmhouses of New England to I.M. Pei's Media Lab, from "satisficing" to "form follows funding," from the evolution of bungalows to the invention of Santa Fe Style, from Low Road military surplus buildings to a High

Road English classic like Chatsworth—this is a far-ranging survey of unexplored essential territory. More than any other human artifacts, buildings improve with time—if they're allowed to. *How Buildings Learn* shows how to work with time rather than against it.

Architecture

Architecture and Disjunction *MIT Press*

Avant-garde theorist and architect Bernard Tschumi is equally well known for his writing and his practice. *Architecture and Disjunction*, which brings together Tschumi's essays from 1975 to 1990, is a lucid and provocative analysis of many of the key issues that have engaged architectural discourse over the past two decades—from deconstructive theory to recent concerns with the notions of event and program. The essays develop different themes in contemporary theory as they relate to the actual making of architecture, attempting to realign the discipline with a new world culture characterized by both discontinuity and heterogeneity. Included are a number of seminal essays that incited broad attention when they first appeared in magazines and journals, as well as more recent and topical texts. Tschumi's discourse has always been considered radical and disturbing. He opposes modernist ideology and postmodern nostalgia since both impose restrictive criteria on what may be deemed "legitimate" cultural conditions. He argues for focusing on our immediate cultural situation, which is distinguished by a new postindustrial "unhomeliness" reflected in the ad hoc erection of buildings with multipurpose programs. The condition of New York and

the chaos of Tokyo are thus perceived as legitimate urban forms.

Building Structures Illustrated *John Wiley & Sons*

A new edition of Francis D.K. Ching's illustrated guide to structural design. Structures are an essential element of the building process, yet one of the most difficult concepts for architects to grasp. While structural engineers do the detailed consulting work for a project, architects should have enough knowledge of structural theory and analysis to design a building. *Building Structures Illustrated* takes a new approach to structural design, showing how structural systems of a building—such as an integrated assembly of elements with pattern, proportions, and scale—are related to the fundamental aspects of architectural design. The book features a one-stop guide to structural design in practice, a thorough treatment of structural design as part of the entire building process, and an overview of the historical development of architectural materials and structure. Illustrated throughout with Ching's signature line drawings, this new Second Edition is an ideal guide to structures for designers, builders, and students. Updated to include new information on building code compliance, additional learning resources, and a new glossary of terms. Offers thorough coverage of formal and spatial composition, program fit, coordination with other building systems, code compliance, and much more. Beautifully illustrated by the renowned Francis D.K. Ching. *Building Structures Illustrated, Second Edition* is the ideal resource for students and professionals who want to make informed decisions on architectural design.

Drawing *John Wiley & Sons*

Focusing on the creative and inventive significance of drawing for architecture, this book by one of its greatest proponents, Peter Cook, is an established classic. It exudes Cook's delight and catholic appetite for the architectural. Readers are provided with perceptive insights at every turn. The book features some of the greatest and most intriguing drawings by architects, ranging from Frank Lloyd Wright, Heath-Robinson, Le Corbusier, and Otto Wagner to Frank Gehry, Zaha Hadid, Coop Himmelb(l)au, Arata Isozaki, Eric Owen Moss, Bernard Tschumi, and Lebbeus Woods; as well as key works by Cook and other members of the original Archigram group. For this new edition, Cook provides a substantial new chapter that charts the speed at which the trajectory of drawing is moving. It reflects the increasing sophistication of available software and also the ways in which 'hand drawing' and the 'digital' are being eclipsed by new hybrids—injecting a new momentum to drawing. These 'crossovers' provide a whole new territory as attempts are made to release drawing from the boundaries of a solitary moment, a single-viewing position, or a single referential language. Featuring the likes of Toyo Ito, Perry Culper, Izaskun Chinchilla, Kenny Tsui, Ali Rahim, John Berglund, and Lorene Faure, it leads to fascinating insights into the effect that medium has upon intention and definition of an idea or a place. Is a pencil drawing more attuned to a certain architecture than an ink drawing, or is a particular colour evocative of a certain atmosphere? In a world where a Mayer drawing is creatively contributing something different from a Rhino drawing, there is much to demand of future techniques.

The Theory of Architecture *John Wiley & Sons*

The Theory of Architecture Concepts, Themes & Practices Paul-Alan Johnson Although it has long been thought that theory directs architectural practice, no one has explained precisely how the connection between theory and practice is supposed to work. This guide asserts that architectural theory does not direct practice, but is itself a form of reflective practice. Paul-Alan Johnson cuts through the jargon and mystery of architectural theory to clarify how it relates to actual applications in the field. He also reveals the connections between new and old ideas to enhance the reader's powers of critical evaluation. Nearly 100 major concepts, themes, and practices of architecture—as well as the rhetoric of architects and designers—are presented in an easily accessible format. Throughout, Johnson attempts to reduce each architectural notion into its essential concept. By doing so, he makes theory accessible for everyday professional discussion. Topics are arranged under ten headings: identification, definition, power, attitudes, ethics, order, authority, governance, relationship, and expression. Areas covered under these headings include: * Utopic thought in theories of architecture * Advocacy and citizen participation in architecture * The basis of architectural quality and excellence * The roles of the architect as artist, poet, scientist, and technologist * Ethical obligations of architecture * Rationales for models and methods of design * How authority is determined in architecture * How architects structure their concepts * Conventions of communication within the architectural profession Each section begins by showing the etymology of key terms of

the topic discussed, along with a summary history of the topic's use in architecture. Discussions probe the conceptual and philosophical difficulties of different theories, as well as their potential and limitations in past and present usage. Among the provocative issues discussed in terms of their relationship to architecture are chaos theory, feminism, service to the community, and the use of metaphor. Johnson points out with stunning clarity the intentions as well as the contradictions and inconsistencies of all notions and concepts. All architects and designers, as well as students and teachers in these disciplines, will gain many insights about architectural thought in this groundbreaking text.

Understanding Architecture *Routledge*

A comprehensive introduction to architecture and architectural history and exceptional in its approach, this book explores architecture as a current practice in relation to history and in relation to the wider context of cultures, conservation and the environment. This new edition brings in the new emphasis on sustainability, urbanism, urban regeneration and cultural identity, in order to take a holistic approach to the subject of architecture. Highly illustrated, this book enables the reader to make sense of the experience of architecture and the built environment by understanding more about the form, construction, meaning and history of the subject.

Architect's Pocket Book *Routledge*

This pocket book includes everyday information which the architect/designer has to find from a wide variety of sources. The book includes data about

planning, structure, services, building elements, materials and useful addresses.

Conditional Design *BIS Publishers*

Conditional design is the sequel to Operative Design. This book will further explore the operative in a more detailed, intentional, and perhaps functional manner. Spatially, the conditional is the result of the operative. It is not a blind result however. Both terms work together to satisfy a formal manipulation through a set of opportunities for elements such as connections and apertures.

Structure As Architecture *Routledge*

Structure As Architecture provides readers with an accessible insight into the relationship between structure and architecture, focusing on the design principles that relate to both fields. Over one hundred case studies of contemporary buildings from countries across the globe including the UK, the US, France, Germany, Spain, Hong Kong and Australia are interspersed throughout the book. The author has visited and photographed each of these examples and analyzed them to show how structure plays a significant architectural role, as well as bearing loads. This is a highly illustrated sourcebook, providing a new insight into the role of structure, and discussing the point where the technical and the aesthetic meet to create the discipline of 'architecture'.

Occupational Outlook Handbook

The Environmental Design Pocketbook *Routledge*

The Environmental Design Pocketbook 2nd ed places the information you need

for sustainable, low energy building design at your fingertips. Packed with diagrams, tools and tips, it cuts through the complex mass of technical data and legislation that faces the designer, and distils all the key guidance into a single reference that is quick, easy to use and points to the facts, figures and performance data that are most important. This 2nd edition is now fully up-to-date with the latest Building Regulations Part L and F legislation (England and Wales), RIBA Plan of Work 2013, new information on the Green Deal and Zero Carbon and contains revised references and further reading sections throughout. Whether used in the classroom, office or on-site, the book guides the designer through the entire process; from the fundamentals to the building details. From future-proofing for a changing climate to rainwater harvesting, retrofit, and zero-carbon technologies - the Pocketbook has got it covered.

Architecture

Introduction to Architectural Technology 2e *Laurence King Publishing*

Understanding the relationship between design and technology is critical to the understanding of architecture. This book clearly explains the core aspects of architectural technology: structural physics, structural elements and forms, heating, lighting, environmental control, and computer modelling. Hundreds of photographs, diagrams, and screengrabs demonstrate common architectural forms and construction techniques. Historical and contemporary examples chart significant moments in architectural engineering and the development of materials science

Includes an examination of computer-aided design (CAD) and the use of building information management (BIM) technology for predicting and analyzing the behavior of buildings. Written by three experienced teachers, this essential introduction to architecture will help students to integrate their design thinking with the appropriate structural and environmental solutions.

Form & Space in Japanese Architecture *Documan Press Ltd*

This groundbreaking book, first published in the 1950's & long out-of-print, has been greatly expanded with more than 100 new photographs superbly printed from all new laser-scanned plates. Not a historical survey, the book illuminates principles underlying traditional Japanese architecture's elegant forms & lyrical spaces with examples from renowned palaces to obscure temples -- documented during Carver's years in Japan. Reviewing the first edition of **FORM & SPACE IN JAPANESE ARCHITECTURE**, critics wrote, "Carver teaches through his camera how to see Japanese architecture from an angle quite new & different...he shows the oldest is akin to the newest"; "...his fresh sense makes even we Japanese find new ways of looking at Japanese architecture which has escaped most people --there is almost no other book of its kind." Architect Walter Gropius called it "outstanding, particularly as a stimulation for the contemporary architect...an extraordinary collection of photographs...of all the books it has the best understanding of what I believe to be Japanese architecture." Norman Carver, Jr. also produces the acclaimed series on world vernacular architecture, including **ITALIAN HILLTOWNS**, **IBERIAN**

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