Architectural Diagrams 1 Construction And Design Manual

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.

Visual Spatial Enquiry explores visual and textual ways of working within spatial research. Architects and spatial thinkers from the arts, social sciences and humanities present rich case studies from remote and regional settings in Australia to the suburbs of Los Angeles, and from gallery and university settings to community collaborations in Mongolia. Through these case studies the authors reappraise and reconsider research approaches, methods and processes within and across their fields. In spatial research diagramming can be used as a method to synthesise complex concepts into a succinct picture, whereas metaphors can add the richness of lived experiences. Drawing on the editors' own architectural backgrounds, this volume is organised into three key themes: seeing, doing and making space. In seeing space chapters consider observational research enquiries where developing empathy for the context and topic is as important as gathering concrete data. Doing space explores generative opportunities that inform new and innovative propositions, and making space looks at ways to rethink and reshape spatial and relational settings. Through this volume Creagh and McGann invite readers to find their own understandings of the value and practices of neighbouring fields including planning, geography, ethnography, architecture and art. This exploration will be of value to researchers looking to develop their cross-disciplinary literacy, and to design practitioners looking to enhance and articulate their research skills.

Provides description and analysis of Egyptian building practices.

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.

Improve Your Ability to Read and Interpret All Types of Construction Drawings Blueprint Reading is a step-by-step guide to reading and interpreting all types of construction drawings. Filled with hundreds of illustrations and study questions, this easy-to-use resource offers a complete overview of construction drawing basics for every aspect of the construction process- from site work, foundations, and structural systems to interior work and finishes. Covering all the latest technological advances, noted architect Sam Kubba offers detailed information on: Blueprint standards-ANSI, ISO, AWS, and ASME Computer-aided design (CAD) and computer-aided design and drafting (CADD) Lines, views, elevations, and dimensions Layouts of all construction drawing types-architectural, structural, mechanical, and electrical Specifications-MasterFormat and UniFormat Symbols-materials, electrical, plumbing, HVAC, and others How to avoid costly pitfalls on construction projects You'll also find a glossary of terms for quick reference, convenient tables and charts for identifying symbols and abbreviations, and much more. Inside This Skills-Building Guide to Construction Drawing Basics • Blueprint Standards • Blueprints and Construction Drawings: A Universal Language • Understanding Lines • Types of Views • Understanding Dimensions • Layout of Construction Drawings • Understanding Industrial Blueprints • The Meaning of Symbols • Understanding Schedules • Specifications • ISO Issues, Codes, and Building Regulations • Construction Business Environment

Covering every aspect of drawing preparation, both manual and computer-aided, this comprehensive manual is an essential tool for students, architects and architectural technologists. Showing what information is required on each type of document, how drawings relate to specifications, and how to organize and document your work, this handbook presents a fully illustrated guide to all the key methods and techniques. Thoroughly revised and redesigned, this fourth edition has brand new computer-generated drawings throughout and is updated to cover all aspects of computer use in the modern building design process.

This book chronicles and analyzes the role of the perspective within the history and evolution of landscape architecture and design. The first part of the book examines perspectives produced at key stages of the profession's history, beginning with their origins in Renaissance art, and moving chronologically into present day practice. It charts how both linear and atmospheric perspective helped visualize imagined landscapes, first in paintings, later real spaces, and expanding from private gardens into designs for public spaces. Used both as a visualization tool preceding construction and as a persuasive tool for publicity and prestige afterwards, it has always played a role in influencing the understanding of landscape. Shown through key images, perspective visualization has resonated between artistic influences, media, and technology, yet its role has evolved differently than it has in architecture. In distinct contrast, landscape perspectives must convey positive experiences of being outdoors while communicating key design ideas, forms, and materials. The second part of the book is an instructional chapter, which outlines and describes the perspective's key characteristics and variables. Perspective types are explained in an easy to understand way. Step by step procedures for using grids, constructing spaces, and fine-tuning pictorial composition, encourage readers to construct perspectives themselves. The third part of the book is an inspirational chapter with many diverse examples from international landscape architecture offices and practitioners. This extensive gallery showcases the perspective's remarkable versatility as a stage for projects of all sizes, as well as its capacity for story-telling and expression. The many eye-catching images illustrate the perspective's power in the digital age. With its focus on history, theory and practical aspects of the perspective and its specific role in landscape architecture, the book is an invaluable reference for researchers, students, and designers.

What are the ingredients of robust, elegant, flexible, and maintainable software architecture? Beautiful Architecture answers this question through a collection of intriguing essays from more than a dozen of today's leading software designers and architects. In each essay, contributors present a notable software architecture, and analyze what makes it innovative and ideal for its purpose. Some of the engineers in this book reveal how they developed a specific project, including decisions they faced and tradeoffs they made. Others take a step back to investigate how certain architectural aspects have influenced computing as a whole. With this book, you'll discover: How Facebook's architecture is the basis for a data-centric application ecosystem The effect of Xen's well-

designed architecture on the way operating systems evolve How community processes within the KDE project help software architectures evolve from rough sketches to beautiful systems How creeping featurism has helped GNU Emacs gain unanticipated functionality The magic behind the Jikes RVM self-optimizable, self-hosting runtime Design choices and building blocks that made Tandem the choice platform in high-availability environments for over two decades Differences and similarities between object-oriented and functional architectural views How architectures can affect the software's evolution and the developers' engagement Go behind the scenes to learn what it takes to design elegant software architecture, and how it can shape the way you approach your own projects, with Beautiful Architecture.

A complete guide to preparing construction documentation from a design perspective Construction Drawings and Details for Interiors has become a must-have guide for students of interior design. It covers the essentials of traditional and computer-aided drafting with a uniquely design-oriented perspective. No other text provides this kind of attention to detail. Inside, you'll find specialty drawings, a sensitivity to aesthetic concerns, and real-world guidance from leaders in the field of interior design. Updated content is presented here in a highly visual format, making it easy to learn the basics of drawing for each phase of the design process. This new Third Edition includes access to a full suite of online resources. Students and designers studying for the National Council for Interior Design Qualification (NCIDQ) will especially appreciate these new materials. This revision also keeps pace with evolving construction standards and design conventions. Two new chapters, 'Concept Development and the Design Process' and 'Structural Systems for Buildings,' along with expanded coverage of building information modeling (BIM), address the latest design trends. Includes online access to all-new resources for students and instructors Provides real-world perspective using countless example drawings and photos Focuses on interior design-specific aspects of construction documentation Serves as a perfect reference for the contract documents section of the NCIDQ exam Written by designers, for designers, Construction Drawings and Details for Interiors remains a standout choice for the fields of interior design, technical drawing, and construction documentation. From schematics through to working drawings, learn to communicate your vision every step of the way.

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.

Diagrams play an increasingly important role in architecture and urban planning helping to communicate both complex ideas and systems relationships in a way that is simple to understand across both linguistic and cultural barriers. With bold visions and unexpected approaches diagrams contribute significantly to complex construction development tasks and ultimately their successful implementation.Additionally they are also design objects that reflect the signature of their respective creator as a fresh and inspiring art form.This book, Volume 2 of Architectural and Program Diagrams from the series Construction and Design Manual showcases over 416 pages an almost endless variety of ideas andsolutions around the topic of design and construction. It also includes an introductory essay on the importance of using diagrams in presenting architecture.

Diagram is one of the most used words in contemporary architecture and urban design. It's almost a common understanding of using diagrams to explain the design concept. However, it is more than simply showing the audience to help them understand the idea. Diagramming is an element of design in itself. On more than 750 pages this manual showcases diagrams of avant-garde architects and designers from all over the world, among others: LAVA, JDS Architects, Ju?rgen Mayer H. Architects, UNStudio, Périphérique, BIG - Bjarke Ingels Group.

Few parts of a building work harder than its envelope (also known as its facade). The envelope is the part of the building most visible from the outside--so it should be visually appealing--but it can also have the biggest effect on the well-being and safety of its occupants--so the envelope should be help heat and cool the building, allow light into it, and provide necessary structure. Too often, a building's envelope is more aesthetically striking than functional, or vice versa. A great building envelope, though, architecturally integrates all of its elements.

La 4e de couv. indique "Architects use diagrams every day - as sketches they are convenient tools for quickly demonstrating a point, as worked through representations they present complex ideas simply and attractively for clients, and as graphics they cross language barriers. Their theoretical background is, however, not quite so well known. Alongside offering inspiring examples of these multifaceted visualisations, this volume explores some of the associated history and theory. How is the diagram a place where architecture and philosophy meet? In what ways can we critically examine their analogue and digital forms? Is the history of the diagram over? Citing the ideas of, among others, Peter Eisenman and Gilles Deleuze the philosopher Lidia Gasperoni investigates diagrammatic practices in architectural design in her absorbing introductory essay. Part of the Construction and Design Manuals series, Architectural Diagrams 2 is a practical guide for those working in creative disciplines: over 312 pages it covers the fields of architecture, interior design, and installation, with both images and quotes from carefully selected contemporary practitioners."

This book provides an introductory overview of the rapid growth in interdisciplinary research into Thinking with Diagrams. Diagrammatic representations are becoming more common in everyday human experience, yet they offer unique challenges to cognitive science research. Neither linguistic nor perceptual theories are sufficient to completely explain their advantages and applications. These research challenges may be part of the reason why so many diagrams are badly designed or badly used. This is ironic when the user interfaces of computer software and the worldwide web are becoming so completely dominated by graphical and diagrammatic representations. This book includes chapters commissioned from leading researchers in the major disciplines involved in diagrams research. They review the philosophical status of diagrams, the cognitive processes involved in their application, and a range of specialist fields in which diagrams are central, including education, architectural design and visual programming languages. The result is immediately relevant to researchers in cognitive science and artificial intelligence, as well as in applied technology areas such as human-computer interaction and information design.

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.

Since the 1980s, the diagram has become a preferred method for researching, communicating, theorising and making architectural designs, ideas and projects. Thus the rise of the diagram, as opposed to the model or the drawing, is the one of the most significant new developments in the process of design in the late 20th and early 21st centuries. Diagrams of Architecture is the first anthology to represent - through texts and diagrams - the histories, theories and futures of architecture through the diagram. Spanning the Pre-historic to the Parametric, Diagrams of Architecture illustrates over 250 diagrams and brings together 26 previously published and newly commissioned essays from leading international academics, architects, theorists and professional experts. These combine to define the past and future of the diagram's discourse. Prefaced with a critical introduction by Mark Garcia, each text investigates a central concept or dimension of the diagram ranging from socio-cultural studies, science, philosophy, technology, CAD/CAM, computing and cyberspace and virtual/digital design to methodology, environment/sustainability and phenomenological, poetic and art architecture; as well as interior, urban, engineering, interactive and landscape design. The first critical, multidisciplinary book on the history, theory and futures of the architectural diagram. Includes seminal articles on the diagram from the history and theory of architecture such as those by Peter Eisenman, Sanford Kwinter, MVRDV, Neil Spiller, Lars Spuybroek, UN Studio and Anthony Vidler. Features 14 newly commissioned articles by leading architects and theorists, including Charles Jencks, Hanif Kara, Patrik Schumacher, Neil Spiller, Leon van Schaik and Alejandro Zaera-Polo and two new interviews with Will Alsop and Bernard Tschumi. Includes a full-colour critical collection of over 250 of the most significant and original diagrams, many of which are previously unpublished, in the history of architecture from around the world.

Mysteries and folkways of New York City revealed in an entertaining collection of graphic art The life and legend of New York City, from the size of its skyscrapers to the ways of its inhabitants, is vividly captured in this lively collection of more than 250 maps, cross sections, ﬂowcharts, tables, board games, cartoons and infographics, and other unique diagrams spanning 150 years. Superstars such as Saul Steinberg, Maira Kalman, Christoph Niemann, Roz Chast, and Milton Glaser butt up against the unsung heroes of the popular press in a book that is made not only for lovers of New York but also for anyone who enjoys or works with information design.

Discover BIM: A better way to build better buildings Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Information on the ways in which professionals should use BIM to gain maximum value New topics such as collaborative working, national and major construction clients, BIM standards and guides A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

The drawing architect – for centuries, this term was just as ?tautological as the 'baking baker' or the 'gardening gardener'. ?Nevertheless, in this compendium one has to begin with reference to the fact that the acquisition of drawing skills is by no means a minor field of study for architects. Design methodology, also referred to as methodology of space and the representation of the human body, plays an important role – once more – in the present-?day field of architectural activity. This book explores ?options for illustration, as well as contemporary practice with architectural presentation. It deals with the following topics: The history and theory of architectural drawing, covering a wide spectrum of issues in terms of art and architectural ??history, examples are provided by two design collections; ten architects present their architectural concepts based on a selection of drawing and presentation techniques; ten exercises for freehand drawing; demonstrative examples and practical exercises which ???illustrate technical drawing and the fundamental principles of perspective.

As a beginning design student, you need to learn to think like a designer, to visualize ideas and concepts, as well as objects. In the second edition of Diagramming the Big Idea, Jeffrey Balmer and Michael T. Swisher illustrate how you can create and use diagrams to clarify your understanding of both particular projects and organizing principles and ideas. With accessible, step-by-step exercises that interweave full color diagrams, drawings and virtual models, the authors clearly show you how to compose meaningful and useful diagrams. As you follow the development of the four project groups drawn from the authors' teaching, you will become familiar with architectural composition concepts such as proportion, site, form, hierarchy and spatial construction. In addition, description and demonstration essays extend concepts to show you more examples of the methods used in the projects. Whether preparing for a desk critique, or any time when a fundamental insight can help to resolve a design problem, this new and expanded edition is your essential studio resource.

Get a realisitic guide to producing construction documents that clearly communicate the interior space of new construction, remodeling, or installation projects with Construction Drawings and Details for Interiors. This highly visual book: includes such details as furniture, finishes, lighting, and others. features authors? drawings as well as those from practicing professionals. covers drafting fundamentals and conventions; drawing types, plans, and schedules; and computer-aided design. addresses graphic language as a communication tool. details the process of creating construction documents, the use of computers, and various reproduction systems and standards. includes examples of both residential and commercial interiors. is an essential reference for NCIDQ examination. Order your copy today.

People involved in architecture need to be familiar with construction methods in order to be in control of their designs. New technical requirements impact on our buildings and call for up-to-date specialist knowledge, which leads to new forms of architecture. This handbook uses clearly comprehensible 3D isometric diagrams to introduce the world of contemporary construction, from concept through to the detail; photographs are used to illustrate the content. The three main chapters deal with the structure, the building envelope, and the fit-out, starting with a clear introduction to the construction principles of modern building methods. Using drawings of selected built examples at scales of 1:10 and 1:20, a deeper examination of details is possible.

You can use this book to design a house for yourself with your family; you can use it to work with your neighbors to improve your town and neighborhood; you can use it to design an office, or a workshop, or a public building. And you can use it to guide you in

the actual process of construction. After a ten-year silence, Christopher Alexander and his colleagues at the Center for Environmental Structure are now publishing a major statement in the form of three books which will, in their words, "lay the basis for an entirely new approach to architecture, building and planning, which will we hope replace existing ideas and practices entirely." The three books are The Timeless Way of Building, The Oregon Experiment, and this book, A Pattern Language. At the core of these books is the idea that people should design for themselves their own houses, streets, and communities. This idea may be radical (it implies a radical transformation of the architectural profession) but it comes simply from the observation that most of the wonderful places of the world were not made by architects but by the people. At the core of the books, too, is the point that in designing their environments people always rely on certain "languages," which, like the languages we speak, allow them to articulate and communicate an infinite variety of designs within a forma system which gives them coherence. This book provides a language of this kind. It will enable a person to make a design for almost any kind of building, or any part of the built environment. "Patterns," the units of this language, are answers to design problems (How high should a window sill be? How many stories should a building have? How much space in a neighborhood should be devoted to grass and trees?). More than 250 of the patterns in this pattern language are given: each consists of a problem statement, a discussion of the problem with an illustration, and a solution. As the authors say in their introduction, many of the patterns are archetypal, so deeply rooted in the nature of things that it seemly likely that they will be a part of human nature, and human action, as much in five hundred years as they are today.

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 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 under-standing 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.

An inside view of how one of the world's leading architecture and engineering practice does business Sustainable Built Environments: Principles and Practice offers detailed, environmentally sound design solutions to a wide range of building engineering challenges. The text uses case examples and project data provided by engineers and designers at Arup Associates. It covers a broad range of relevant issues, with focused commentaries and explanations presented in an accessible format for use by students, busy practitioners and informed clients. Whilst this book stresses the importance of a unified approach to design, the text is divided into six principal chapters, each addressing an important aspect of sustainable architecture and engineering. These chapters (Master Planning, Transport, Energy, The Building Envelope, Environmental Services, and Materials) may be read on their own or in sequence as part of a narrative. Throughout the book, photographs, architectural and engineering drawings and diagrams, examples, and other data illustrate the case studies. Numerous web links are provided to additional information. This inspirational book: Focuses on the work of Arup Associates, the award winning architectural and engineering practice Uses real-life examples of functioning buildings and structures to provide information and guidance on the development of sustainable solutions Is packed with informative illustrations Sustainable Built Environments: Principles and Practice is a unique text that will inform and inspire architects and engineers, as well as students of those disciplines, around the globe.

A comprehensive, richly illustrated catalog focusing on materials used in great twentieth-century architecture Viewed primarily in technical terms pertaining to construction, material has often been overlooked in the discourse on architectural design. Yet, it is material that breathes life into architecture by realizing concepts into meaningful physical forms. Whether it is wood, glass, steel, plastic, or concrete, material can be employed with unlimited flexibility and carries both visual and emotional characteristics through its expression. The first book of its kind to focus on materiality from a design perspective, Material Precedent is masterfully presented, with an impressive collection of crisp line drawings along with historical, material, tectonic, and typological analysis of twentieth-century buildings, providing readers with detailed instruction that traces the traditions and trends of material as the defining premise in the making of architecture. This unrivaled text: Is illustrated throughout with detailed line drawings Is perfect for use in a design studio or simply for understanding the role of materials in buildings, for a designer of any level Includes a companion Web site By cataloging and comparing the concepts behind modern building science using architectural precedent, Material Precedent examines structure, form, effect, detail, sustainability, and performance through material application to provide

a comprehensive analysis of the materiality of architecture.

As the digital economy changes the rules of the game for enterprises, the role of software and IT architects is also transforming. Rather than focus on technical decisions alone, architects and senior technologists need to combine organizational and technical knowledge to effect change in their company's structure and processes. To accomplish that, they need to connect the IT engine room to the penthouse, where the business strategy is defined. In this guide, author Gregor Hohpe shares real-world advice and hard-learned lessons from actual IT transformations. His anecdotes help architects, senior developers, and other IT professionals prepare for a more complex but rewarding role in the enterprise. This book is ideal for: Software architects and senior developers looking to shape the company's technology direction or assist in an organizational transformation Enterprise architects and senior technologists searching for practical advice on how to navigate technical and organizational topics CTOs and senior technical architects who are devising an IT strategy that impacts the way the organization works IT managers who want to learn what's worked and what hasn't in large-scale transformation

DIVLearning a new discipline is similar to learning a new language; in order to master the foundation of architecture, you must first master the basic building blocks of its language – the definitions, function, and usage. Language of Architecture provides students and professional architects with the basic elements of architectural design, divided into twenty-six easy-to-comprehend chapters. This visual reference includes an introductory, historical view of the elements, as well as an overview of how these elements can and have been used across multiple design disciplines./divDIV /divDIVWhether you're new to the field or have been an architect for years, you'll want to flip through the pages of this book throughout your career and use it as the go-to reference for inspiration, ideas, and reminders of how a strong knowledge of the basics allows for meaningful, memorable, and beautiful fashions that extend beyond trends./divDIV /divDIVThis comprehensive learning tool is the one book you'll want as a staple in your library./divDIV /div

The practical, comprehensive handbook for creating effective architectural drawings In one beautifully illustrated volume, The Professional Practice of Architectural Working Drawings, Fourth Edition presents the complete range of skills, concepts, principles, and applications that are needed to create a full set of architectural working drawings. Chapters proceed logically through each stage of development, beginning with site and floor plans and progressing to building sections, elevations, and additional drawings. Inside, you'll find: Coverage of the latest BIM technologies Environmental and human design considerations Supplemental step-by-step instructions for complex chapters Five case studies, including two that are new to this edition Hundreds of computer-generated drawings and photographs, including BIM models, three-dimensional models, and full-size buildings shown in virtual space Checklists similar to those used in architectural offices Tips and strategies for complete development of construction documents, from schematic design to construction administration With an emphasis on sustainability throughout, this new edition of The Professional Practice of Architectural Working Drawings is an invaluable book for students in architecture, construction, engineering, interior design, and environmental design programs, as well as professionals in these fields.

Updated and expanded, this Fourth Edition of the most trusted reference in architecture offers the most comprehensive coverage of architectural and construction terms available. This classic dictionary now features nearly 25,000 definitions (including 2,800 new terms), 2,500 illustrations (including 200 new illustrations), and maintains its extraordinary visual appeal and easy-to-read page design.Prepared by a renowned architectural editor in association with expert contributors and incorporating the work of many standards groups, the book presents clear, concise definitions of terms in nearly 80 working areas. The Fourth Edition covers new industry terms which have emerged due to changes in engineering and building technologies, organizations, materials, and legal developments, and has been expanded to include more historic architectural styles. New terms include:LegalArchitectural Barriers ActWheelchair AccessibleMaterialsFibrous ConcreteLatex MortarPolymer-Based StuccoConcrete Compliance ConformityRefractory MortarOrganizationsBuilding Research Establishment (formerly Building Research Station) of Great BritainASTMHistoric Architectural StylesAnglo-PalladianismFrench VictorianIsabellinoMudajarMozarabicNeo-Rococo

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.

With Points + Lines: Diagrams and Projects for the City, influential architect and theorist Stan Allen proposes a series of new architectural strategies for the contemporary city. Organized in the form of a user's manual, it juxtaposes texts outlining Allen's theoretical principles with his projects, in which those principles are demonstrated in practice. Finding inspiration in the artistic minimalism and postminimalism of the 1970s, Allen uses the city's vitality and infrastructure to support projects that reflect and augment the urban experience. Included in this volume are three essays by Allen along with six projects, including his designs for the Cardiff Bay Opera House in Wales, the Museo del Prado in Madrid, the Souks of Beirut, the Logistical Activities Zone of Barcelona, the Korean-American Museum of Art in Los Angeles, and the National Diet Library in Kansai Kan, Japan. Allen's work is introduced by K. Michael Hays; R.E. Somol provides an afterword. In addition, the book contains a complete, illustrated chronology of Allen's projects.