

Aia Document A101 2007

CD-ROM contains: Samples of all AIA contract documents.

In recent years, there have been many changes to the construction industry's standard form contracts, including the American Institute of Architects (AIA) and Engineer Joint Contract Documents Committee (EJCDC) documents. Additionally, a new family of contract documents, known as Consensus DOCS was created by agreement among various construction contractor, subcontractor, owner, and surety trade associations. Alternative Clauses to Standard Construction Contracts, Fifth Edition provides instant access to amendments to AIA, AGC, EJCDC and Consensus DOCS for owners, architects and contractors. This unique resource covers all major documents in use throughout the construction industry and enables you to compare between the different documents. It delivers practice-proven amendments clause-by-clause. It tells you specifically what to insert and delete in order to reach the ends your client desires. And it goes so deep, it even covers contractors amendments for agreements with subcontractors. While it is absolutely essential to stay current with these standard agreements, it is imperative that everyone involved in negotiating and drafting construction contracts also have access to practice-proven modifications that strengthen the language on behalf of clients. If the other parties to your agreement have access to this book--and you don't--you're placed at a significant disadvantage every step of the way. Let the experts from Smith, Currie & Hancock provide you with invaluable support when negotiating or drafting construction contracts. Previous Edition: Alternative Clauses to Standard Construction Contracts, Fourth Edition, ISBN 9781454845157

A Practical Guide & Mock Exam for the ARE 5.0 Programming & Analysis (PA) Division! NCARB launched ARE 5.0 on November 1, 2016. We always incorporate the latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5 Programming & Analysis (PA) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Environmental & Contextual Conditions · Codes & Regulations · Site Analysis & Programming · Building Analysis & Programming This book includes 95 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, and drag-and-place), including a case study. It will help you pass the PA division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Programming & Analysis (PA) exam in 2 weeks? The answer is yes: If you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Exam)," you have an excellent chance of studying and passing the ARE 5.0 Programming & Analysis (PA) division in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. " Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Exam)" will save you time and money and help you pass the exam on the first try! ArchiteG®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

A Practical Guide & Mock Exam for the Programming, Planning & Practice (PPP) Division of the ARE Every July, NCARB begins to recreate the Architect Registration Examination (ARE) questions based on a new guide and scope. We always incorporate this latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass all seven divisions of ARE. This book provides an ARE exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the Programming, Planning & Practice (PPP) Division of the ARE. More specifically this book covers the following subjects: ARE, IDP, and Education Requirements ARE Exam Content, Format, and Prep Strategies Codes and Regulations Environmental, Social & Economic Issues Programming & Analysis Project Budget & Financing Project & Practice Management Site Zoning Two Graphic Vignettes with Step-By-Step Solutions Using the NCARB Practice Program Software Instructions on Installing Alternate DWG Files for Use with NCARB Software The mock exam includes 85 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, and fill-in-the-blank), and two graphic vignettes. This book will help you pass the PPP division of the ARE and become a licensed architect! Can you study and pass the ARE Programming, Planning & Practice (PPP) Exam in 2 weeks? The answer is yes IF you study the right materials: If you have ZERO experience but read the right materials, you can pass with 2 weeks of prep. If you study our book, "Programming, Planning &

Practice ARE Mock Exam," you have an excellent chance of studying and passing the ARE Programming, Planning & Practice (PPP) Exam in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Programming, Planning & Practice ARE Mock Exam" will save you time and money and help you pass the exam on the first try! About the author Gang Chen holds a master's degree from the School of Architecture, University of Southern California (USC), Los Angeles, and a bachelor's degree from the School of Architecture, South China University of Technology. He has more than 20 years of professional experience. Many of the projects he was in charge of or participated in have been published extensively in Architecture, Architectural Record, The Los Angeles Times, The Orange County Register, and more. He has worked on a variety of unusual projects, including well-known, large-scale healthcare and hospitality projects with over one billion dollars in construction costs, award-winning school designs, highly-acclaimed urban design and streetscape projects, multifamily housing, high-end custom homes, and regional and neighborhood shopping centers. Gang Chen is a LEED AP BD+C and a licensed architect in California. He is also the internationally acclaimed author of other fascinating books, including Building Construction, Planting Design Illustrated, the ARE Mock Exam series, and the LEED Exam Guide series, which includes one guidebook for each of the LEED exams. For more information, visit www.GreenExamEducation.com

Best Practices for Architects and Related Professionals

Site Planning & Design ARE Mock Exam (SPD of Architect Registration Exam)

The Architecture Student's Handbook of Professional Practice

The Architect's Handbook of Professional Practice

Construction Superintendent's Operations Manual

The #1 construction law guide for construction professionals Updated and expanded to reflect the most recent changes in construction law, this practical guide teaches readersthe difficult theories, principles, and established rules that regulate the construction business. It addresses the practical steps required to avoid and mitigate risks—whether the project is performed domestically or internationally, or whether it uses a traditional design-bid-build delivery system or one of the many alternative project delivery systems. Smith, Currie & Hancock's Common Sense Construction Law: A Practical Guide for the Construction Professional provides a comprehensive introduction to the important legal topics and questions affecting the construction industry today. This latest edition features: all-new coverage of Electronically Stored Information (ESI) and Integrated Project Delivery (IPD); extended information on the civil False Claims Act; and fully updated references to current AIA, ConsensusDocs, DBIA, and EJDC contract documents. Chapters coverthe legal context of construction; interpreting a contract; public-private partnerships (P3); design-build and EPC; and international construction contracts. Other topics include: management techniques to limit risks and avoid disputes; proving costs and damages, including for changes and claims for delay and disruption; construction insurance, including general liability, builders risk, professional liability, OCIP, CCIP, and OPPI; bankruptcy; federal government construction contracting; and more. Fully updated with comprehensive coverage of the significant legal topics and questions that affect the construction industry Discusses new project delivery methods including Public-Private Partnerships (P3) and Integrated Project Delivery (IPD) Presents new coverage of digital tools and processes including Electronically Stored Information (ESI) Provides extended and updated coverage of the civil False Claims Act as it relates to government construction contracting Filled with checklists, sample forms, and summary "Points to Remember" for each chapter, Smith, Currie & Hancock's Common Sense Construction Law: A Practical Guide for the Construction Professional, Sixth Edition is the perfect resource for construction firm managers, contractors, subcontractors, architects and engineers. It will also greatly benefit students in construction management, civil engineering, and architecture.

The definitive contracting reference for the construction industry, updated and expanded Construction Contracting, the industry's leading professional reference for five decades, has been updated to reflect current practices, business methods, management techniques, codes, and regulations. A cornerstone of the construction library, this text presents the hard-to-find information essential to successfully managing a construction company, applicable to building, heavy civil, high-tech, and industrial construction endeavors alike. A wealth of coverage on the basics of owning a construction business provides readers with a useful "checkup" on the state of their company, and in-depth exploration of the logistics, scheduling, administration, and legal aspects relevant to construction provide valuable guidance on important facets of the business operations. This updated edition contains new coverage of modern delivery methods, technology, and project management. The field of construction contracting comprises the entire set of skills, knowledge, and conceptual tools needed to successfully own or manage a construction company, as well as to undertake any actual project. This book gives readers complete, up-to-date information in all of these areas, with expert guidance toward best practices. Learn techniques for accurate cost estimating and effective bidding Understand

construction contracts, surety bonds, and insurance Explore project time and cost management, with safety considerations Examine relevant labor law and labor relations techniques Between codes, standards, laws, and regulations, the construction industry presents many different areas with which the manager needs to be up to date, on top of actually doing the day-to-day running of the business. This book provides it all under one cover - for the project side and the business side, Construction Contracting is a complete working resource in the field or office.

"This book is specifically written for architecture students about to begin their careers"--

By their very nature, construction projects can create seemingly endless opportunities for conflict. Written by a best selling author with over 40 years of experiences in the construction and general contracting business, Construction Process Planning and Management provides you with the necessary tools to save time and money on your construction project. In this book, Sid Levy provides valuable advice for avoiding or working through the common problems that are a result of the long-term nature of construction projects, failure to select a ?project delivery system? appropriate to the project, incomplete drawing and specifications, unrealistic scheduling, poor communication and coordination among participants, and inadequate contract administration. From project genesis, through design development to contractor and contract selection, on to construction oversight, punch list and successful project close-out, this book will point out those pitfalls to avoid and offer practical advice at every step along the way. Administer the general construction process including solicitation of contractor's qualifications (pre-qualify bidders), comparative analysis of bid packages, recommendation for contract award, contract document negotiation and documentation of job change orders Provide Project Planning and on-site management and coordination of all construction projects Ensure compliance of building construction rules and regulations and collaborate with chief engineers to monitor quality of construction Conduct technical/plan review of construction documents and submit written responses identifying required corrections or changes Design, implement and oversee Company standards for construction policies, practices and processes

ARE 5.0 Overview, Exam Prep Tips, Hot Spots, Case Studies, Drag-and-Place, Solutions and Explanations

Project Development & Documentation (PDD) ARE 5.0 Mock Exam (Architect Registration Exam)

Construction Management Fundamentals

The Management of Construction: A Project Lifecycle Approach

Smith, Currie and Hancock's Common Sense Construction Law

Turn to the Fourth Edition of Sweet on Construction Industry Contracts for comprehensive, up-to-date guidance on preparing, interpreting, and litigating contracts for design and construction services. You get expert and detailed analysis on: the meaning of AIA document language and other industry contract provisions modifying the AIA contracts without affecting their validity more than 600 court decisions involving AIA documents and much more The authors review and analyze the major AIA documents. They provide detailed explanations of the new provisions, expert analysis of how these provisions affect contractual rights and obligations, and practical guidance.Plus, you get the most recent information on:Scheduling Enforcement and conduct of arbitration proceedings Clauses limiting design professional liability Indemnity issues Payment and fee issues Use of a new form of liability insurance available to contractors, called a modified occurrence form (MOF) Responsibility for job safety and statutes of repose No other contracts are more widely used in the constructionindustry than the American Institute of Architects' standardforms. The American Institute of Architects Official Guide tothe 2007 AIA Contract Documents offers unparalleled insightinto the AIA's extensive portfolio of contract documents,helping the reader understand the forms and how to implement them. This guide is divided into two parts:Part One, The AIAStandard Documents, examines the role of AIA ContractDocuments, their history, and how the documents are written andupdated. It also reviews the educational and supporting resources that are part of the AIA's contract documents program; Part Two,The AIA Documents Companion, describes agreements in detail,including the purpose and rationale for provisions. Separatechapters cover the owner-contractor, contractor-subcontractor,owner-architect, and architect-consultant agreements. The guideconcludes with a chapter describing pivotal legal cases that havehelped shape and interpret AIA contracts. Samples of the most commonly used contracts are in print in theappendix, and an accompanying CD-ROM has samples of all AIAContract Documents (in PDF format for Mac and PC computers) thatreleased in 2007, as well as the Integrated Project Delivery Familyof documents that released in 2008. This book is invaluable forconstruction project owners, attorneys, contractors,subcontractors, design professionals, and others involved in theprocurement, management, and delivery of building projects. It isalso recommended for students and young professionals seeking adegree, certification, or licensure.

Handbook of Green Building Design and Construction: LEED, BREEAM, and Green Globes, Second Edition directly addresses the needs of building professionals interested in the evolving principles, strategies, and concepts of green/sustainable design. Written in an easy to understand style, the book is updated to reflect new standards to LEED. In addition, readers will find sections that cover the new standards to BREEAM that involve new construction Infrastructure, data centers, warehouses, and existing buildings.

Provides vital information and penetrating insights into three of the top Green Building Codes and Standards applied Internationally Includes the latest updates for complying with LEED v4 Practices and BREEAM Presents case studies that draws on over 35 years of personal experience from across the world

A revolutionary, collaborative approach to design and construction project delivery Integrated Project Delivery is the first book-length discussion of IPD, the emergent project

delivery method that draws on each stakeholder's unique knowledge to address problems before they occur. Written by authors with over a decade of research and practical experience, this book provides a primer on IPD for architects, designers, and students interested in this revolutionary approach to design and construction. With a focus on IPD in everyday operation, coverage includes a detailed explanation and analysis of IPD guidelines, and case studies that show how real companies are applying these guidelines on real-world projects. End-of-chapter questions help readers quickly review what they've learned, and the online forum allows them to share their insights and ideas with others who either have or are in the process of implementing IPD themselves. Integrated Project Delivery brings together the owners, architect, engineers, and contractors early in the development stage to ensure that problems are caught early, and to address them in a collaborative way. This book describes the parameters of this new, more efficient approach, with expert insight on real-world implementation. Compare traditional procurement with IPD Understand IPD guidelines, and how they're implemented Examine case studies that illustrate everyday applications Communicate with other IPD adherents in the online forum The IPD approach revolutionizes not only the workflow, but the relationships between the stakeholders – the atmosphere turns collaborative, and the team works together toward a shared goal instead of viewing one another as obstructions to progress. Integrated Project Delivery provides a deep exploration of this approach, with practical guidance and expert insight.

Project Planning & Design (PPD) ARE 5.0 Mock Exam (Architect Registration Examination)

Construction Process Planning and Management

Construction Law for Design Professionals, Construction Managers and Contractors

(PPP of Architect Registration Exam): ARE Overview, Exam Prep Tips, Multiple-Choice Questions and Graphic Vignettes, Solutions A

Programming & Analysis (PA) ARE 5.0 Mock Exam (Architect Registration Exam):

A compilation of commentaries on the various jurisdictions where there either is, or is planned, a statutory adjudication system, this is a review of such systems worldwide in the commercial and construction fields. It features analysis by specialist advisory editors on the adjudication system in place in each separate jurisdiction, together with a copy of the relevant local legislation, and permits a comparative approach between each. This book addresses statutory adjudication in a way that is practically useful and academically rigorous. As such, it remains an essential reference for any lawyer, project manager, contractor or academic involved with the commercial and construction fields.

CONSTRUCTION LAW FOR DESIGN PROFESSIONALS, CONSTRUCTIONS MANAGERS AND CONTRACTORS is a condensed -- and completely revamped -- version of the bestselling authority on engineering law, LEGAL ASPECTS OF ARCHITECTURE, ENGINEERING AND THE CONSTRUCTION PROCESS (now in its 9th edition) by Justin Sweet, Marc M. Schneier and Blake Wentz. For this new book, the authors have directed the text at engineering, architecture and construction management students. Given the authors' long and deep understanding of the intersection between the law and the construction industry, professors and students can trust this text is unparalleled. The addition of Blake Wentz to the author team emphasizes the commitment to the field. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Now updated in a valuable new edition—this user-friendly book focuses on understanding the "why" of mathematical statistics Probability and Statistical Inference, Second Edition introduces key probability and statistical concepts through non-trivial, real-world examples and promotes the development of intuition rather than simple application. With its coverage of the recent advancements in computer-intensive methods, this update successfully provides the comprehensive tools needed to develop a broad understanding of the theory of statistics and its probabilistic foundations. This outstanding new edition continues to encourage readers to recognize and fully understand the why, not just the how, behind the concepts, theorems, and methods of statistics. Clear explanations are presented and applied to various examples that help to impart a deeper understanding of theorems and methods—from fundamental statistical concepts to computational details. Additional features of this Second Edition include: A new chapter on random samples Coverage of computer-intensive techniques in statistical inference featuring Monte Carlo and resampling methods, such as bootstrap and permutation tests, bootstrap confidence intervals with supporting R codes, and additional examples available via the book's FTP site Treatment of survival and hazard function, methods of obtaining estimators, and Bayes estimating Real-world examples that illuminate presented concepts Exercises at the end of each section Providing a straightforward, contemporary approach to modern-day statistical applications, Probability and Statistical Inference, Second Edition is an ideal text for advanced undergraduate- and graduate-level courses in probability and statistical inference. It also serves as a valuable reference for practitioners in any discipline who wish to gain further insight into the latest statistical tools.

A complete reference for Construction Superintendents, divided into three sections: Administating Construction Contracts, Supervising the Construction Process, and Construction Components and Technology. The book covers administrative procedures, review of contract documents, basic managerial practices, tips for successful job completion and more.

An Owner's Guide to Successful Projects

A Practical Guide for the Construction Professional

ARE Overview, Exam Prep Tips, Multiple-Choice Questions and Graphic Vignettes, Solutions and Explanations

The CSI Sustainable Design and Construction Practice Guide

Programming, Planning and Practice ARE Mock Exam

Legal Guide to AIA Documents, Fifth Edition is a current, comprehensive, and practical resource to help you master and use the construction industry contract terms set forth by the various agreements between owners, contractors and architects. This new Fifth Edition delivers complete coverage of the following key AIA Documents AIA Document A101: Standard Form of Agreement between Owner and Contractor and— Stipulated AIA Document A201: General Conditions of the Contract for Construction AIA Document B101: Owner Architect Agreement for Basic Services and—Large Projects AIA Document B103: Owner Architect Agreement for Basic Services and—X Large Projects AIA Document B104: Standard Form of Agreement between Owner and Architect and—Project of Limited Scope (Medium Projects) Designed to help you draft agreements that best protect your clients' interests in every situation, Legal Guide to

AIA Documents, Fifth Edition provides: Accurate and practical clause-by-clause analysis and enabling you to gain greater understanding of every AIA document provision Invaluable alternate language and allowing you to customize agreements to meet the requirements of specific circumstances Guidance you need to negotiate language, clauses and terms in contracts between architects and owners, and owners and contractors. Legal Guide to AIA Documents, Fifth Edition also includes in-depth cross-references to every other important document throughout. The author highlights all the changes from the 1997 forms to the 2007 forms and identifies where issues are most likely to arise as a result of these recent changes.

The only book on Autodesk's popular and powerful architectural project collaboration software This Autodesk Official Training Guide is the perfect detailed reference and tutorial for the powerful Navisworks software. You'll quickly learn how to use Navisworks to design, review, and collaborate while saving time, meeting budgets, and working efficiently. Covering the entire project design workflow, this book is crammed with detailed how-to instruction; real-world examples; and tips, tricks, and expertise gleaned from the expert author team. Discover how to work with more than 60 file formats, create a single 3D model, navigate and edit it, find design problems with Clash Detection, visualize schedules, and much more in this jam-packed guide. Covers all the Navisworks features in Simulate, Manage, and Freedom Explains Navisworks file types and all of the 60+ other supported file types Shows you how to navigate around a 3D model and enable snap shots and animation Addresses using Clash Detection to test and find problems, optimizing and visualizing schedules using the TimeLiner 4D simulation tool, and more Helps you create impressive visualizations and walkthroughs with lighting, effects, and textures Includes coverage of advanced tools and customizing Navisworks with scripts With an expert author team, Mastering Autodesk Navisworks 2013 is your essential guide to getting the very most out of the powerful Navisworks collaboration and design review software.

A Practical Guide & Mock Exam for the ARE 5.0 Practice Management (PcM) Division! To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5.0 Practice Management (PcM) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Business Operations · Project Work Planning · Finances, Risk, & Development of Practice · Practice-Wide Delivery of Services · Practice Methodologies This book includes eighty challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, and drag-and-place), including two case studies. It will help you pass the PcM division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Practice Management (PcM) exam in 2 weeks? The answer is yes: If you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Practice Management (PcM) ARE 5.0 Mock Exam (Architect Registration Examination)," you have an excellent chance of studying and passing the ARE 5.0 Practice Management (PcM) division in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Practice Management (PcM) ARE 5.0 Mock Exam (Architect Registration Examination)" will save you time and money and help you pass the exam on the first try! ArchiteG®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

The definitive contracting reference for the construction industry, updated and expanded Construction Contracting, the industry's leading professional reference for five decades, has been updated to reflect current practices, business methods, management techniques, codes, and regulations. A cornerstone of the construction library, this text presents the hard-to-find information essential to successfully managing a construction company, applicable to building, heavy civil, high-tech, and industrial construction endeavors alike. A wealth of coverage on the basics of owning a construction business provides readers with a useful "checkup" on the state of their company, and in-depth exploration of the logistics, scheduling, administration, and legal aspects relevant to construction provide valuable guidance on important facets of the business operations. This updated edition contains new coverage of modern delivery methods, technology, and project management, with sample contracts and documentation and a companion website for additional guidance. The field of construction contracting comprises the entire set of skills, knowledge, and conceptual tools needed to successfully own or manage a construction company, as well as to undertake any actual project. This book gives readers complete, up-to-date information in all of these areas, with expert guidance toward best practices. Learn techniques for accurate cost estimating and effective bidding Understand construction contracts, surety bonds, and insurance Explore project time and cost management, with safety considerations Examine relevant labor law and labor relations techniques Between codes, standards, laws, and regulations, the construction industry presents many different areas with which the manager needs to be up to date, on top of actually doing the day-to-day running of the business. This book provides it all under one cover - for the project side and the business side, Construction Contracting is a complete working resource in the field or office.

Project Management (PjM) ARE 5.0 Mock Exam (Architect Registration Examination)

Sweet on Construction Industry Contracts

Construction Contracting

Alternative Clauses to Standard Construction Contracts

Architect and Engineer Liability: Claims Against Design Professionals, 4th Edition

A Practical Guide & Mock Exam for the Site Planning & Design (SPD) Division of the ARE Every July, NCARB begins to recreate the Architect Registration Examination (ARE) questions based on a new guide and scope. We always incorporate this latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass all seven divisions of ARE. This book provides an ARE exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the Site Planning & Design (SPD) Division of the ARE. More specifically this book covers the following subjects: ARE, IDP, and Education Requirements ARE Exam Content, Format, and Prep Strategies Principles Codes and Regulations Environmental, Social & Economic Issues Materials & Technology Project & Practice Management Site Grading Site Design Four Graphic Vignettes with Step-By-Step Solutions Using the NCARB Practice Program Software Instructions on Installing Alternate dwg Files for Use with NCARB Software Instructions on Saving and Installing Various Solution Files for Use with NCARB Software The mock exam includes 65 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, and fill-in-the-blank), and four graphic vignettes solutions. This book will help you pass the SPD division of the ARE and become a licensed architect Can you study and pass the ARE Site Planning & Design Exam (SPD) in 2 weeks? The answer is yes IF you study the right materials: If you have ZERO experience but read the right materials, you can pass with 2 weeks of prep. If you study our book, "Site Planning & Design ARE Mock Exam," you have an excellent chance of studying and passing the ARE Site Planning & Design (SPD) Exam in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Site Planning & Design ARE Mock Exam" will save you time and money and help you pass the exam on the first try About the author Gang Chen holds a master's degree from the School of Architecture, University of Southern California (USC), Los Angeles, and a bachelor's degree from the School of Architecture, South China University of Technology. He has more than 20 years of professional experience. Many of the projects he was in charge of or participated in have been published extensively in Architecture, Architectural Record, The Los Angeles Times, The Orange County Register, and more. He has worked on a variety of unusual projects, including well-known, large-scale healthcare and hospitality projects with over one billion dollars in construction costs, award-winning school designs, highly-acclaimed urban design and streetscape projects, multifamily housing, high-end custom homes, and regional and neighborhood shopping centers. Gang Chen is a LEED AP BD+C and a licensed architect in California. He is also the internationally acclaimed author of other fascinating books, including Building Construction, Planting Design Illustrated, the ARE Mock Exam series, and the LEED Exam Guides series, which includes one guidebook for each of the LEED exams. For more information, visit www.GreenExamEducation.com

Management of Construction introduces all aspects of management practice to students and professionals based in the construction industry. It is also important for those involved in allied fields such as design, project development, and site monitoring and inspection. The book addresses each stage of the construction project from conception to completion, giving a perspective on the whole life cycle often missing from textbooks. The author also balances engineering concerns with the human resource and personal aspects of construction management that are so important to the successful outcome of a project.

Cut through the legalese to truly understand construction law Smith, Currie & Hancock's Common Sense Construction Law is a guide for non-lawyers, presenting a practical introduction to the significant legal topics and questions affecting the construction industry. Now in its fifth edition, this useful guide has been updated to reflect the most current developments in the field, with new information on Public Private Partnerships, international construction projects, and more. Readers will find full guidance toward the new forms being produced by the AIA, AGC, and EJDC, including a full review, comparison to the old forms, areas of concern, and advice for transitioning to the new forms. The companion website features samples of these documents for ease of reference, and end of chapter summaries and checklists help readers make use of the concepts in practice. The updated instructor support material includes scenario exercises, sample curriculum, student problems, and notes highlighting the key points student responses should contain. Construction is one of the nation's single largest industries, but its fractured nature and vast economic performance leave it heavily dependent upon construction law for proper functioning. This book is a plain-English guide to how state and federal law affects the business, with practical advice on avoiding disputes and liability. Understand construction law without wading through legal theory Get information on an emerging method of funding large-scale projects Parse the complexities presented by international and overseas projects Migrate to the new AIA, AGC, and EJDC forms smoothly and confidently This book doesn't cover legal theory or serve as a lawyer's guide to case law and commentary - its strength is the clear, unaffected common-sense approach that caters to the construction professional's perspective. For a better understanding of construction law, Smith, Currie & Hancock's Common Sense Construction Law is an efficient reference.

The book covers intimately all the topics necessary for the development of a robust magnetohydrodynamic (MHD) code within the framework of the cell-centered finite volume method (FVM) and its applications in space weather study. First, it presents a brief review of existing MHD models in studying solar corona and the heliosphere. Then it introduces the cell-centered FVM in three-dimensional computational domain. Finally, the book presents some applications of FVM to the MHD codes on spherical coordinates in various research fields of space weather, focusing on the development of the 3D Solar-InterPlanetary space-time Conservation Element and Solution Element (SIP-CESE) MHD model and its applications to space weather studies in various aspects. The book is written for senior undergraduates, graduate students, lecturers, engineers and researchers in solar-terrestrial physics, space weather theory, modeling, and prediction, computational fluid dynamics, and MHD simulations. It helps readers to fully understand and implement a robust and versatile MHD code based on the cell-centered FVM.

Mastering Autodesk Navisworks 2013

Handbook of Green Building Design and Construction

LEED, BREEAM, and Green Globes

Standards of Practice in Construction Specifying

Probability and Statistical Inference

Now you can keep construction design exposure to a minimum! Prepared for design and construction professionals and their attorneys, this comprehensive, up-to-date resource is written by eminent authorities in the field. Architect and Engineer Liability: Claims Against Design Professionals, Fourth

Edition details all relevant topics: risk management, alternative dispute resolution, trial conduct, handling shop drawings, insurance and surety, and more. You'll get straightforward answers to all your legal questions, as well as examples of the valuable lessons learned by leading design and construction experts.

Discover the benefits of effective risk management practices Risk management may not be a standard course in architecture school, but it is an essential concern for architects and related professionals working today. Managing Project Risk is a key resource for integrating good risk management into professional practice. Based on a popular series of articles in AIArchitect, this accessible volume offers an on-the-ground perspective of what can happen on the job and what architects can do to prevent or mitigate threatening conditions and events. With an engaging, non-legalistic style, authors Atkins and Simpson draw upon their considerable experience and upon AIA Contract Documents to show how sound risk management strategies work in a variety of real-world settings, covering such practical areas as: * Risk management fundamentals * Contracts * Relationships with clients * Understanding the architect's role in the project * Risk issues with digital drawings * The modern architectural workplace Rendering potentially dry topics lively with wit and anecdote, Managing Project Risk resonates with the experience of contemporary architects, while offering helpful suggestions applicable not only to risk management but also to project management and professional development.

A Practical Guide & Mock Exam for the ARE 5.0 Project Planning & Design (PPD) Division! NCARB launched ARE 5.0 on November 1, 2016. We always incorporate the latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5 Project Planning & Design (PPD) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Environmental conditions & context · Codes & regulations · Building systems, materials, & assemblies · Project integration of program & systems · Project costs & budgeting This book includes 120 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, case studies, and drag-and-place), including a case study. It will help you pass the PPD division of the ARE 5 and become a licensed architect! Can you study and pass the ARE 5.0 Project Planning & Design (PPD) Exam in 2 weeks? The answer is yes: IF you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Project Planning & Design (PPD) ARE 5.0 Mock Exam," you have an excellent chance of studying and passing the ARE 5.0 Project Planning & Design (PPD) Exam in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Project Planning & Design (PPD) ARE 5.0 Mock Exam" will save you time and money and help you pass the exam on the first try! ArchiteG®, ARE Mock Exam®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB.

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The Law of Performance Bonds

Legal Aspects of Architecture, Engineering & the Construction Process

Practice Management (PcM) ARE 5.0 Mock Exam (Architect Registration Examination)

Major AIA Documents

Contract Law

The CSI Sustainable Design and Construction Practice Guide is a compilation of information and recommended best practices for those who participate in the design and

construction of commercial-level sustainable facilities. It offers guidelines and standards for applying sustainable design and construction principles in practical terms. This Practice Guide includes an overview of sustainable design standards and rating systems; an overview of green products and systems, and how to evaluate them; the lifecycle of a building; and the roles and responsibilities of members of the design and construction team.

This text provides a collection of materials that can be used with any contract law casebook. In addition to the editors' helpful introduction to the materials, this volume contains relevant portions of the Restatement of the Law Second Contracts and Article 2 of the Uniform Commercial Code; materials on electronic contracting, such as excerpts from the text and comments of the Uniform Computer Information Transactions Act; portions of the text and comments of the Uniform Electronic Transactions Act; and portions of the Electronic Signatures in Global and National Commerce Act.

A Practical Guide & Mock Exam for the ARE 5.0 Project Development & Documentation (PDD) Division! NCARB launched ARE 5.0 on November 1, 2016. We always incorporate the latest information into our books. To become a licensed architect, you need to have a proper combination of education and/or experience, meet your Board of Architecture's special requirements, and pass the ARE exams. This book provides an ARE 5.0 exam overview, suggested reference and resource links, exam prep and exam taking techniques, tips and guides, and a realistic and complete mock exam with solutions and explanations for the ARE 5 Project Development & Documentation (PDD) Division. More specifically this book covers the following subjects: · ARE 5.0, AXP, and education requirements · ARE 5.0 exam content, format, and prep strategies · ARE 5.0 credit model and the easiest way to pass ARE exams by taking only 5 ARE divisions · Allocation of your time and scheduling · Timing of review: the 3016 rule; memorization methods, tips, suggestions, and mnemonics · Integration of Building Materials & Systems · Construction Documentation · Project Manual & Specifications · Codes & Regulations · Construction Cost Estimates This book includes 120 challenging questions of the same difficulty level and format as the real exam (multiple-choice, check-all-that-apply, fill-in-the-blank, hot spots, case studies, and drag-and-place), including a case study. It will help you pass the PDD division of the ARE 5.0 and become a licensed architect! Can you study and pass the ARE 5.0 Project Development & Documentation (PDD) in 2 weeks? The answer is yes: IF you study the right materials, you can pass with 2 weeks of prep. If you study our book, "Project Development & Documentation (PDD) ARE 5.0 Mock Exam (Architect Registration Exam)," you have an excellent chance of studying and passing the ARE 5.0 Project Development & Documentation (PDD) in 2 weeks. We have added many tips and tricks that WILL help you pass the exam on your first try. Our goal is to take a very complicated subject and make it simple. "Project Development & Documentation (PDD) ARE 5.0 Mock Exam (Architect Registration Exam)" will save you time and money and help you pass the exam on the first try! What others are saying about ARE Mock Exam series ... "Great study guide..." "This was a great resource supplement to my other study resources. I appreciated the mock exam questions the most, and the solutions offer an explanation as to why the answer is correct. I will definitely check out his other ARE exam resources! UPDATE: Got my PASS Letter!" —Sean Primeaux "Tried everything 4 times before reading this book and PASSED!" "I had failed this exam 4 times prior to getting this book...I had zero clue as to what I was doing wrong. I read Ballast, Kaplan and random things on the forum but for the life of me couldn't pin point where I was missing it until I read THIS BOOK! Gang did an excellent job...I remember going through the ramp and reading Gang's book and saying Ohhhh like 4 or 5 times. I read his book several times until I became comfortable with the information. I went in on test day and it was a breeze. I remember walking out of there thinking I couldn't believe I struggled so much before. The tips in here are priceless! I strongly recommend this book..." —hendea1 "Add this to your ARE study" "This was a very helpful practice exam and discussion. I really appreciated the step-by-step review of the author's approach... As I studied it last before taking the test, Gang Chen's book probably made the difference for me." —Dan Clowes ("XLine") "Good supplemental mock exam" "I found the mock exam to be very helpful, all of the answers are explained thoroughly and really help you understand why it is correct...Also the introduction and test taking tips are very helpful for new candidates just starting the ARE process." —Bgrueb01 "Essential Study Tool" "I have read the book and found it to be a great study guide for myself. Mr. Gang Chen does such a great job of helping you get into the right frame of mind for the content of the exam. Mr. Chen breaks down the points on what should be studied and how to improve your chances of a pass with his knowledge and tips for the exam and practice vignettes. I highly recommend this book to anyone...it is an invaluable tool in the preparation for the exam as Mr. Chen provides a vast amount of knowledge in a very clear, concise, and logical matter." —Luke Giaccio "Wish I had this book earlier" "...The questions are written like the NCARB questions, with various types...check all that apply, fill in the blank, best answer, etc. The answer key helpfully describes why the correct answer is correct, and why the incorrect answers are not. Take it from my experience, at half the cost of other mock exams, this is a must buy if you want to pass..." —Domiane Forte ("Vitruvian Duck") "This book did exactly like the others said." "This book did exactly like the others said. It is immensely helpful with the explanation... There are so many codes to incorporate, but Chen simplifies it into a methodical process. Bought it and just found out I passed. I would recommend." —Dustin "It was the reason I passed." "This book was a huge help. I passed the AREs recently and I felt this book gave me really good explanations for each answer. It was the reason I passed." —Amazon Customer "Great Practice Exam" "... For me, it was difficult to not be overwhelmed by the amount of content covered by the Exam. This Mock Exam is the perfect tool to keep you focused on the content that matters and to evaluate what you know and what you need to study. It definitely helped me pass the exam!!" —Michael Harvey ("Harv") "One of the best practice exams" "Excellent study guide with study tips, general test info, and recommended study resources. Hands down one of the best practice exams that I have come across for this exam. Most importantly, the practice exam includes in depth explanations of answers. Definitely recommended." —Taylor Cupp "Great Supplement!!" "This publication was very helpful in my preparation for my BS exam. It contained a mock exam, followed by the answers

and brief explanations to the answers. I would recommend this as an additional study material for this exam.” —Cynthia Zorrilla-Canteros (“czcante”) “Fantastic! ” “When I first began to prepare for this exam; the number of content areas seemed overwhelming and daunting at best. However, this guide clearly dissected each content area into small management components. Of all the study guides currently available for this test - this exam not only included numerous resources (web links, you tube clips, etc..), but also the sample test was extremely helpful. The sample test incorporated a nice balance of diagrams, calculations and general concepts - this book allowed me to highlight any "weak" content areas I had prior to the real exam. In short - this is an awesome book!” —Rachel Casey (RC) ArchiteG®, Green Associate Exam Guide®, GA Study®, and GreenExamEducation® are registered trademarks owned by Gang Chen. ARE®, Architect Registration Examination® are registered trademarks owned by NCARB. Construction management is about controlling time, cost, quality, and safety, and acting in a socially, politically, and environmentally acceptable manner. Undergraduate non-construction majors and graduate Construction Management students need a general, yet comprehensive, text that covers the fundamentals of construction so that they may operate within the aforementioned parameters. The first edition of Construction Management Fundamentals gives students a solid understanding of construction so that, as designers and constructors, they will be better prepared to make intelligent design decisions and to interact in a meaningful and productive manner. For those students who may take only one or two construction courses, the material is covered in a logical, simple, and concise format.

Managing Project Risk

International Contractual and Statutory Adjudication

A Practical Guide to Company Management

Integrating Project Delivery

Selected Source Materials

This valuable reference, edited by one of the most respected names in construction law, presents the modifications and alternative clauses used by experienced attorneys in changing the most frequently discussed and controversial sections of the standard forms. In presenting selected alternative contract clauses to the AIA contracts, this book addresses the concerns of owners, developers, contractors, subcontractors and others who wish to supplement or modify the standard forms, and provides a complete rationale for each suggested modification. Attorneys for the various parties, on a variety of construction projects, can now easily shift project risks and liabilities to better project client interests by employing proven alternative clauses for contracts between owners and architects, and owners and contractors are included, and certain improvements to AIA's cost-plus construction contract forms are presented. The outstanding contributors to this work also address payment disputes that delay damage issues and other frequently contested and amended 'hot spots.' the most comprehensive sourcebook of its kind, Alternative Clauses to Standard Construction Contracts points up the benefits and limitations of each clause as seen from the standpoint of each party involved. In recent years, there have been many changes to the construction industry's standard form contracts, including the American Institute of Architects (AIA) and Engineer Joint Contract Documents Committee (EJCDC) documents. Additionally, a new family of contract documents, known as Consensus DOCS was created by agreement among various construction contractor, subcontractor, owner, and surety trade associations" "Alternative Clauses to Standard Construction Contracts, Third Edition" provides instant access to amendments to AIA, AGC, EJCDC and Consensus DOCS for owners, architects and contractors. This unique resource covers all major documents in use throughout the construction industry and enables you to compare between the different documents. It delivers practice-proven amendments clause-by-clause. It tells you specifically what to insert and delete in order to reach the ends your client desires. And it goes so deep, it even covers contractors amendments for agreements with subcontractors. While it is absolutely essential to stay current with these standard agreements, it is imperative that everyone involved in negotiating and drafting construction contracts also have access to practice-proven modifications that strengthen the language on behalf of clients. If the other parties to your agreement have access to this book--and you don't--you're placed at a significant disadvantage every step of the way. Let the experts from Smith, Currie & Hancock provide you with invaluable support when negotiating or drafting construction contracts.

The primary focus of this text is to provide a bridge for students between the academic world and the real world. This bridge is built through an understanding of what is law, how law is created, how law affects almost every activity of human conduct, and how legal institutions operate. Intended mainly for architectural and engineering students, but increasingly for those in business schools and law schools, this text features a clear, concise, and jargon-free presentation. It probes beneath the surface of legal rules and uncovers why these rules developed as they did, outlines arguments for and against these rules, and examines how they work in practice. Updated with the most recent developments in the legal aspects of architectural, engineering, and the construction processes, this text is also a valuable reference for practitioners that has been cited in over twenty-five court decisions. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Architects must be proficient in a variety of business practices to contribute to, manage, or launch a successful firm. They are responsible for the same kind of legal, financial, marketing, management, and administrative activities as any other professional. Within these broad categories, however, there are many details, including professional standards and documents, that are unique to the profession of architecture.

Magnetohydrodynamic Modeling of the Solar Corona and Heliosphere

Pre-Construction Issues 2009 Edition

The American Institute of Architects Official Guide to the 2007 AIA Contract Documents

Smith, Currie & Hancock's Common Sense Construction Law

Legal Guide to AIA Documents

Construction Specifications provide critical information necessary to convey the design intent of the Architect and the legally enforceable contract requirements. Many are considered by the Architect in the development of written construction documents, including project delivery method, project ownership, sustainability, and code requirements. This companion guide to the 2013 AIA National Convention Presentation "Architect's Guide to Construction Specifications" provides excerpts from important industry publications regarding the preparation of construction documents. Material was carefully selected from the following books: - CSI Construction Specifications Practice Guide - Architect's Handbook of Professional Practice 14e Additional excerpts have been provided from CSI Formats to provide an overview of organizational standards for Specifications including: - MasterFormat - SectionFormat/PageFormat - PPDFormat Additional examples for comment document types, which can also be used as templates: Outline Specification; ShortForm Specification; Certification and Seals Page; and AIA e-only book is an essential companion to the presentation or can stand alone as a necessary reference providing users ready access to key understanding of the methods for organizing structures for building information; and other components that should be considered in the preparation of a project manual.