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Guide to LEED 2009 Estimating and Preconstruction Strategies Butterworth-Heinemann

IAQ Guidelines for Occupied Buildings Under Construction 2nd EdSheet Metal & Air ConditioningGuide to the LEED AP Building Design and Construction (BD&C) ExamJohn Wiley & Sons

What Every Librarian Needs to Know Before Starting to Build or Renovate National Academies Press

The must-have reference on construction productrepresentation—and the essential study aid for the CertifiedConstruction Product Representative (CCPR) Exam The CSI Practice Guides are a library of comprehensivereferences specifically and carefully designed for the constructionprofessional. Each book examines important concepts and bestpractices integral to a particular aspect of the building process.The CSI Construction Product Representation Practice Guideis an authoritative resource for the principles and best practicesof effective construction product representation. This easy-to-follow guide includes: Coverage of the construction process and the roles theconstruction product representative can play in it Information that clients require to select appropriate productsto meet project requirements Knowledge, preparation, and use of construction documents The role the product representative plays in an IntegratedProduct Delivery (IPD) workflow Access to a password-protected website with bonus content,including a PDF of the printed book and copies of CSI formatdocuments, such as UniFormat™ andSectionFormat™/PageFormat™ The CSI Construction Product Representation PracticeGuide is an essential resource for building productmanufacturers, sales representatives, and related professionals anda valuable study aid to help prepare for the Certified ConstructionProduct Representative (CCPR) Exam.

The Green Library Planner Scarecrow Press

Evidence has accumulated that shows that the quality of indoor environments can affect the health and productivity of adults and children. One consequence is that a movement has emerged to promote the design of schools that have fewer adverse environmental effects. To examine the potential of such design for improving education, several private organizations asked the NRC to review and assess the health and productivity benefits of green schools. This report provides an analysis of the complexity of making such a determination; and an assessment of the potential human health and performance benefits of improvements in the building envelope, indoor air quality, lighting, and

acoustical quality. The report also presents an assessment of the overall building condition and student achievement, and offers an analysis of and recommendations for planning and maintaining green schools including research considerations.

A Step-by-Step Guide to a Successful Estimate McGraw Hill Professional

This guide walks the reader step by step through the LEED 2009 for New Construction process, offering advanced techniques for estimating the actual costs, in time and money, for building green. It serves as an essential primer to price-assessment strategies for high-performance commercial and institutional projects, which include office buildings, high-rise residential buildings, government buildings, recreational facilities, manufacturing plants, and laboratories. Written by an author with more than twenty years of green construction experience on more than 80LEED registered or certified projects, the book provides real-world case studies used to demonstrate the techniques and concepts revealed in the book, covers project documentation, and provides strategies to help the reader understand the real costs and scheduling implications associated with sustainable building.
Green Schools John Wiley & Sons

This pocket-sized book is a concise guide to the basics of estimating construction costs for residential and light commercial building projects. It provides a step-by-step guide to estimating the total cost of a construction project. It takes readers through five phases that lead to a successful estimate: initial assessment, work analysis, programming, costing and cost distribution and summarization. The book's primary targets are small contractors; however, the principles set forth in the book are applicable to all contractors. The book could also serve as a textbook for estimating classes in construction management programs at universities and community colleges. The last section of the book provides useful but not readily available information for estimators on diverse topics, e.g., detailed information about Value Engineering, scheduling, subcontractor selection, bid summarization, and so on. An extensive glossary of construction terms is also included. Readers in all construction capacities will find: * A new, fresh look at the often baffling and deceptive job of estimating construction costs for residential and light commercial construction * How to assess plans,

review bonds, and evaluate the site and the project schedule before beginning a cost take-off * How to integrate a cost estimate into a general accounting program for cost management and eventual billing * Incredibly helpful appendix with common construction standards and measurements--from standards for concrete forms, to nail sizes to commercial lumber sizes, and much more!

Attributes for Health and Learning Sheet Metal & Air Conditioning

The Toxic Schoolhouse is a collection of articles on chemical hazards endangering students, teachers, and staff in the education system of the United States and Canada. Some of the articles were originally published in a special issue of *New Solutions: A Journal of Occupational and Environmental Policy*, but all have been updated and several new articles have been added. The book is organized in three sections. The first describes problems ranging from the failures of coordination, monitoring, and siting of school buildings to the hazards of exposure to toxic substances, including lead and PCBs. The second section captures the voices of activists seeking change and describes community and union organizing efforts to improve school conditions. The third section covers policy "solutions." The authors include academics, union staff and rank-and-file activists, parent organization leaders, and public health professionals.

LEED v4 Practices, Certification, and Accreditation Handbook 碁峰資訊股份有限公司

This report to the California Energy Commission's Public Interest Energy Research Program (PIER) helps Home Performance Contractors train their crews to achieve superior results in home energy retrofits. The book was updated and expanded in December of 2012 to include the impressive measured results from 15 home energy retrofits in Redding, California that were accomplished using the principles and practices outlined in this report. Homeowners may also find this information useful, when they want to understand the techniques that regularly achieve utility bill savings of 40 to 70% on an annual basis. This approach--called Measured Home Performance--is different from other means of saving energy. Most importantly, all of the home's energy features are redesigned and improved at the same time, so the synergies take effect immediately. Next, measurements are taken all the way through the process, to ensure that both the redesign and the installation are excellent. Improved comfort and energy savings are assured by high-tech field measurements, taken by the craftspeople themselves rather than by 3rd-party auditors. This process provides real-time feedback to the real decision makers--the technicians who do the work. Measurements of critical parameters like duct air leakage, while-house air leakage, supply air flow at each grill, CO concentration & draft pressure of combustion appliances and superheat and subcooling of the AC equipment make the installation quality--good or poor--are instantly clear to the crews. They can fix any shortcomings on the spot, rather than waiting days or weeks for 3rd-party testing results. Craftspeople measuring key parameters as they work transforms the workplace. Measured quality not only ensures successful results for the homeowners, it self-trains crew members in the field, where they learn more quickly than in the classroom. At the end of every day, workers know when they have achieved excellent results--a powerful motivator that works to everybody's benefit.

A Guide to Preparing for the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) Professional Accreditation Exam Sheet Metal & Air Conditioning

This all-inclusive LEED v4 Green Associate exam Study Guide is your path to a new professional credential! GBRI, a USGBC Education Partner, has carefully developed this guide to ensure all topics found on the real exam are thoroughly covered. Our expert instructors have devised an easy-to-navigate guide that comes with complimentary access to supplemental materials online! You will gain access to online on-demand study modules exploring the topics covered in the guide, mock exams structured like the real test, additional practice questions by section, flash cards, memory charts & more. Access your materials 24/7 for your convenience!

For LEED for New Construction, LEED for Core and Shell, and LEED for Commercial Interiors John Wiley & Sons Discover new approaches to green design and sustainable building with this comprehensive guide There's a substantial

amount of information designers and architects need to understand about sustainability and commercial projects, especially as expectations for professionals in the industry become clearer. Luckily, the second edition of *Sustainable Commercial Interiors* has been revamped to serve as a comprehensive guide for anyone looking to understand the latest in green and sustainable design. Fully revised throughout, this resource now includes frameworks based on the new LEED v4 rating system, and provides fifteen brand-new case studies that document green design and building strategies for all types of projects. You'll find information on materials, furnishings, finishes, product standards, and certifications, all designed to keep you in the know and prepare you for future ventures in sustainable design. The ideal professional companion for interior designers, commercial builders and developers, architects, and interior design students, this guide is an all-in-one introduction to the most essential topics in the industry, such as global environmental issues, water and energy usage, and the tools of the trade, to name just a few. The book is illustrated with full color images throughout. Fully revised and updated to include information on the new LEED v4 rating system Discusses the past, present, and future of sustainable design Considers global environmental issues, such as waste, land use, and bio-inspired design Covers water and energy usage and sustainable materials Discover the benefits of green building and adopt new approaches to sustainable design. *Sustainable Commercial Interiors* is your go-to resource for navigating new expectations for responsible interior design.

The Toxic Schoolhouse John Wiley & Sons

LEED v4 Practices, Certification, and Accreditation Handbook, Second Edition, provides users with a practical user-friendly roadmap that presents the guidelines for selecting the LEED v4 rating system to better fit a particular project (e.g. LEED for Building Design and Construction, LEED for Operations and Maintenance, LEED for Interior Design and Construction, LEED for Building Design and Construction, or LEED for Neighborhood Development). In addition, this comprehensive handbook carefully explains the modifications in the credentialing process, including the new 3-Tier system requiring applicants to first take the LEEDTM Green Associate exam, followed by the LEEDTM Professional Accreditation exam. Practical strategies and guidelines for applying LEED v4 project certification Annotated tables, checklists, charts, and references to "quantum leap," LEED v4 Includes case studies with special focus is put on key areas where most errors occur Demystifies LEED v4 requirements for project as well as personal/professional LEED Certification Appendixes including sample exam questions, acronyms and abbreviations and a glossary [IAQ Guidelines for Occupied Buildings Under Construction 2nd Ed](#) Momentum Press

The Green Library Planner is designed for library building design teams who are not actively engaged in architecture or engineering, but need an introduction to green building. With this book, the librarian and related staff will be able to design and operate the library in the best and most efficient way possible.

DIANE Publishing

This comprehensive volume, often called the "HVAC bible," has been thoroughly updated to cover the latest code changes, equipment, and techniques HVAC Equations, Data, and Rules of Thumb, 3e offers all of the information an HVAC student or professional needs in one resource. The book thoroughly explains the expansion of piping systems and temperature limitations of new materials such as polyethylene, polypropylene, PVC, CPVC, and PEX. Detailed information is included for all types of facilities, including offices, hotels, hospitals, restaurants, commercial spaces, and computer rooms. This practical handbook reflects all the latest code changes—including the ASHRAE standards—and explains how to interpret and put them to use. It includes completely updated coverage of new pumps, chillers, air handling units, cooling equipment, boilers, and pipe material. You will get complete coverage of sustainability organizations that have become more

important since last edition, including LEED, USGBC, Energy Star. Features hundreds of equations and rules for everything from ductwork to air-handling systems Includes a brand-new chapter on sound, vibration, and acoustics Contains an updated list of equipment manufacturers for all products featured

Round Industrial Duct Construction Standards 3rd Ed. 2013 IAQ Guidelines for Occupied Buildings Under Construction 2nd Ed

Pass the LEED® AP ID+C EXAM With These Proven Strategies Here is the ideal study guide for understanding and preparing for the LEED® AP ID+C exam. Written by an expert who is a LEED consultant and partner at Green Education Services?a premier LEED exam preparation provider?Guide to the LEED® AP Interior Design and Construction (ID+C) Exam engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process for those seeking participation in the operation and maintenance of existing buildings that implement green practices. Guide to the LEED® AP Interior Design and Construction (ID+C) Exam features: A brief overview of the LEED Green Associate material included in the first portion of this LEED AP exam, along with specific ID+C content A collection of sample test questions and study tips to reinforce learned material. An accessible and stimulating approach that fosters quicker retention. A set of strategies for summarizing critical information and details more effectively. A wealth of material that includes drawings, charts, and diagrams to help understand concepts visually. A total of 128 sample flashcards that allow you to study on the go. Covering the detailed concepts of the LEED for Commercial Interiors Green Building Rating System, this book is an all-inclusive resource for achieving successful results on the LEED AP ID+C exam. Green Education Services (greenedu.com) is a leading provider of green jobs training related to LEED, EPA energy auditing, solar, and more for building developers, architects, engineers, interior designers, planners, commercial real estate brokers, and other construction industry professionals. A national member of USGBC and CAGBC, accredited by the EPA, and an approved AIA/CES provider, Green Education Services has helped thousands of professionals throughout the United States prepare for their credentialing exams and maintain their credential as an approved GBCI CE provider. Other Michelle Cottrell titles available from Wiley: Guide to the LEED® Green Associate Exam, Guide to the LEED® AP Building Design and Construction (BD+C) Exam, Guidebook to the LEED® Certification Process: For LEED® for New Construction, LEED® for Core & Shell, and LEED® for Commercial Interiors, Guide to the LEED® AP Operations and Maintenance (O+M) Exam.

Guide to the LEED AP Interior Design and Construction (ID+C) Exam McGraw-Hill Professional Pub

國內第一本，最完整的美國綠建築專業認證考試學習教材！【聯合推薦】

美國綠建築協會/副總裁 Jennivine Kwan 國立台灣科技大學建築系/助理教授 蔡欣君 seed 台灣永續能源環境專業協會/理事長 簡碩賢

LEED是國際間最具公信力的綠建築技術評估系統與認證，擁有專業的LEED AP證照不僅可在職場上加點，更可以在綠色市場中開創更多機會。綠色建築專業人員可以通過LEED專業認證考試 (LEED Accredited Professional

Exam) 成為LEED認證專業人員，專業認證由綠色建築認證委員會 (Green Building Certification Institute) 管理。本書針對LEED-

AP建築設計與施工有完整之介紹與模擬練習，是準備此認證不可或缺的書籍。1.以美國綠建築評估系統的六大面向作為撰寫之架構，結合理論與綠建築專業認證，奠定考照基礎。2.唯一針對LEED出版之繁體中文教材，架構完整且循序漸進，讓讀者得以一窺LEED認證的體系與內容，適用教學，亦是自修準備LEED綠建築認證的最佳書籍。3.首先介紹LEE

D流程，再解說位置與交通，接著說明基地的永續性，第5章以後就說明節水與節能，最後輔以材料與資源、室內環境品質等內容。

4.各章節提供綠建築模擬試題，讓學習者可以立即檢驗學習成果。 #碁峰資訊 GOTOP Information Inc.

ENR. John Wiley & Sons

High performance buildings maximize operational energy savings; improve comfort, health, & safety of occupants & visitors; & limit detrimental effects on the environment. These Guidelines provide instruction in the new methodologies that form the underpinnings of high performance buildings.

They further indicate how these practices may be accommodated within existing frameworks of capital project administration & facility management. Chapters: city process; design process; site design & planning; building energy use; indoor environment; material & product selection; water mgmt.; construction admin.; commissioning; & operations & maintenance.

A Guide to Careers in Sustainable Architecture, Design, Engineering, Development, and Operations ArchiteG, Inc.

Ideal for architects, engineers, or contractors seeking the LEED Building Design & Construction (BD&C) credential, the book is a clearly organized study guide that includes sample quizzes throughout at the end of each section. Authored by an expert who teaches seminars on LEED BD&C to professionals, this LEED exam prep book stands out from its competitors in its engaging and stimulating approach. Material includes include drawings, charts, and diagrams to help the reader visually understand the concepts.

A Must-Have for the LEED AP BD+C Exam: Study Materials, Sample Questions, Green Building Design and Construction, LEED Certification, and Sustainability National Academies Press

Prepare for the LEED Green Associate v4 exam with an expert who has been there – and passed!

Guide to the LEED Green Associate V4 Exam is a comprehensive study guide for the LEED Green Associate v4 exam. Written by a LEED expert and consultant who actually passed the exam, this guide provides a first-hand account of preparation strategies that work. The book is designed to work with how people study, organized for quick navigation, with sample questions and flashcards throughout. The companion website offers additional study aids, including more sample test questions and flashcards. The book covers all topics and principles included on the exam, and provides all the information necessary to pass. Passing the LEED Green Associate v4 exam is the only way to get the Green Associate credential, so a complete, comprehensive study guide is essential. The Guide to the LEED Green Associate Exam has been updated specifically to align with the most current version of the exam. Topics include: The three tiers of the credentialing process Concepts and processes of sustainable design LEED design strategies and technologies How and what to study for the exam Beyond just providing information, this book offers the insight of someone who's been there, and can manage expectations and eliminate surprises. Motivating, engaging, and packed with expert advice, the Guide to the LEED Green Associate Exam helps eager professionals prepare for – and pass – the LEED Green Associate v4 exam.

Paths to the Future Sheet Metal & Air Conditioning

Evidence has accumulated that shows that the quality of indoor environments can affect the health and productivity of adults and children. One consequence is that a movement has emerged to promote the design of schools that have fewer adverse environmental effects. To examine the potential of such design for improving education, several private organizations asked the NRC to review and assess the health and productivity benefits of green schools. This report provides an analysis of the complexity of making such a determination; and an assessment of the potential human

health and performance benefits of improvements in the building envelope, indoor air quality, lighting, and acoustical quality. The report also presents an assessment of the overall building condition and student achievement, and offers an analysis of and recommendations for planning and maintaining green schools including research considerations.

Guide to the LEED AP Building Design and Construction (BD&C) Exam John Wiley & Sons

A career guide for professionals in sustainable architecture, design, planning, development, and related consulting. For those considering a new career or a career change focused on green and sustainable building and design, *Becoming a Green Building Professional* offers practical information on educational requirements, career options, guidance and tips, and first-hand interviews with green building professionals. Perfect for underemployed architects and other building and design professionals who want to reinvent and renew their careers, as well as students considering such a career, this is a vital and informative guide to a growing field.

Construction Estimating John Wiley & Sons

Here is the ideal guide for understanding and preparing for the LEED AP O+M exam. Written by an expert who is a LEED consultant and partner at Green Education Services—a premier LEED exam preparation provider—*Guide to the LEED AP Operations + Maintenance (O+M) Exam* engages readers by breaking down difficult concepts in sustainable design and engineering in a clearly organized, straightforward manner that helps streamline the learning process. Covering the detailed concepts of the LEED for Existing Buildings: Operations + Maintenance green building rating system, this book is an all-inclusive resource for achieving successful results on the LEED AP O+M exam.