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## **KEY=PDF - MCKENZIE HOOPER**

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### **IAQ GUIDELINES FOR OCCUPIED BUILDINGS UNDER CONSTRUCTION 2ND ED**

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Sheet Metal & Air Conditioning

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### **SUSTAINABLE CONSTRUCTION**

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### **GREEN BUILDING DESIGN AND DELIVERY**

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John Wiley & Sons 'Sustainable Construction' uses the latest US Green Building Council's Leadership in Energy and Environmental Design standard to explain the best practices in building procurement and delivery systems.

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### **HIGH PERFORMANCE BUILDING GUIDELINES**

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DIANE Publishing 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.

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### **BECOMING A GREEN BUILDING PROFESSIONAL**

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## **A GUIDE TO CAREERS IN SUSTAINABLE ARCHITECTURE, DESIGN, ENGINEERING, DEVELOPMENT, AND OPERATIONS**

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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.

## **SENSIBLE GUIDE FOR HEALTHIER SCHOOL RENOVATIONS**

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### **KEY ENVIRONMENTAL HEALTH CONSIDERATIONS WHEN RENOVATING SCHOOLS**

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Government Printing Office

## **HIGH PERFORMANCE BUILDING GUIDELINES**

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This guidebook was the most recognized first step taken in what is now a heralded sustainable program for buildings in New York City. These guidelines review sustainable strategies in the indoor environment, in site design, in water management, in material and product selection, and much more. Although they were written for the design and management of public facilities, our guidelines have been in demand from professionals in all parts of the field.

## **SUSTAINABLE BUILDINGS AND INFRASTRUCTURE**

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### **PATHS TO THE FUTURE**

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Routledge Construction is one of the biggest industries in the world, providing necessary facilities for human prosperity ranging from the homes in which we live to the highways we drive, the power plants that provide energy for our daily activities, and the very infrastructure on which human society is built. The construction sector, including the building sector, has among the largest potential of any industry to contribute to the reduction of greenhouse gas emissions. This ambitious and comprehensive textbook covers the concept of embedding sustainability across all construction activities. It is aimed at students taking courses in construction management and the built environment. Written in a lively and engaging style the book sets out the practical requirements of making the transition to a sustainable construction industry by 2020. Case studies are included throughout making the book both a core reference and a practical guide.

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## **LEED GA MOCK EXAMS (LEED V4)**

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### **QUESTIONS, ANSWERS, AND EXPLANATIONS: A MUST-HAVE FOR THE LEED GREEN ASSOCIATE EXAM, GREEN BUILDING LEED CERTIFICATION, AND SUSTAINABILITY. GREEN ASSOCIATE EXAM GUIDE SERIES**

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ArchiteG, Inc. Pass the LEED Green Associate Exam, Get Your Building LEED Certified, Fight Global Warming, and Save Money! The USGBC released LEED v4 in GreenBuild International Conference and Expo in November, 2013. The GBCI started to include the new LEED v4 content for all LEED exams in June 2014. We have incorporated the new LEED v4 content in this book. LEED (Leadership in Energy and Environmental Design) is one of the most important trends in development and is revolutionizing the construction industry. It has gained tremendous momentum and has a profound impact on our environment. From this book, you will be able to:

1. Identify your weakness through practice questions
2. Learn to work well under the pressure of timed tests
3. Check your responses against the solutions
4. Understand the solutions for the difficult questions through the explanations
5. Fully understand the scope, difficulty level, and format of the LEED Green Associate Exam
6. Learn how to pass the LEED Green Associate Exam.

There is NO official GBCI book on the LEED Green Associate Exam. "LEED GA Mock Exams" fills in the blanks and demystifies LEED. The book includes 200 questions and simulates the real exam in every aspect, including scope, difficulty level, format, and number of questions in each LEED category. It includes questions, answers, and explanations. This book is small and easy to carry around. You can read it whenever you have a few extra minutes. It is an indispensable resource for ordinary people, developers, brokers, contractors, administrators, architects, landscape architects, engineers, interns, drafters, designers, and other design professionals. All our books are available at [GreenExamEducation.com](http://GreenExamEducation.com) Check out FREE tips and info for all LEED Exams and ARE Exams at [GeeForums.com](http://GeeForums.com), you can post your questions for other users' review.

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## **HVAC DUCT CONSTRUCTION STANDARDS - METAL AND FLEXIBLE 3RD ED**

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Sheet Metal & Air Conditioning

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### **COMMERCIAL INTERIORS, VERSION 2.0**

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### **REFERENCE GUIDE**

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Green Building

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## **ARCHITECTURAL SHEET METAL MANUAL**

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Sheet Metal & Air Conditioning

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## **INDOOR AIR QUALITY HANDBOOK**

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McGraw Hill Professional \* Tackles the complex environmental issue of Indoor Air Quality (IAQ) for industrial hygienists, HVAC engineers, architects and anyone else concerned with the air quality of interiors \* Infused with charts, tables, and all the major formulas and calculations necessary to monitor and characterize a particular environment \* Includes all relevant codes, standards and guidelines

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## **THE GREEN LIBRARY PLANNER**

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### **WHAT EVERY LIBRARIAN NEEDS TO KNOW BEFORE STARTING TO BUILD OR RENOVATE**

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Scarecrow 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.

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## **EDIFICAÇÕES SUSTENTÁVEIS - 4.ED.**

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### **PROJETO, CONSTRUÇÃO E OPERAÇÃO**

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Bookman Editora O livro descreve o sistema de entrega de edificações de alto desempenho e aborda temas como sustentabilidade econômica, ambiental e impacto social, do projeto até o fim do ciclo de vida da edificação. Concentra-se principalmente nas soluções práticas para os desafios logísticos e regulatórios para a implementação dos princípios da edificação sustentável. São analisados os benefícios econômicos, o custo do ciclo de vida e certificação de edificações ecológicas, com ênfase nos sistemas LEED e Golden Globes.

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## **HVAC SYSTEMS DUCT DESIGN**

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Sheet Metal & Air Conditioning

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## **THE TOXIC SCHOOLHOUSE**

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Routledge 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.

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## **ROUND INDUSTRIAL DUCT CONSTRUCTION STANDARDS 3RD ED. 2013**

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Sheet Metal & Air Conditioning

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### **BUILDING AIR QUALITY**

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#### **A GUIDE FOR BUILDING OWNERS AND FACILITY MANAGERS**

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U.S. Government Printing Office Provides the latest information about indoor air quality problems and how to prevent and correct them. Packed with valuable information on how to: develop an indoor air quality building profile; create an indoor air quality management plan; identify causes and solutions to problems as they occur, and identify appropriate control strategies. Special sections cover: air quality sampling; heating, ventilating, and air conditioning systems; mold and moisture problems, and much more. In looseleaf binder with tabbed dividers.

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#### **SHOULD YOU HAVE THE AIR DUCTS IN YOUR HOME CLEANED?**

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#### **FIBROUS GLASS DUCT CONSTRUCTION STANDARDS 7TH ED**

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#### **KITCHEN VENTILATION SYSTEMS AND FOOD SERVICE EQUIPMENT FABRICATION INSTALLATION GUIDELINES 1ST ED**

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Sheet Metal & Air Conditioning

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#### **MOISTURE CONTROL GUIDANCE FOR BUILDING DESIGN, CONSTRUCTION AND MAINTENANCE**

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#### **LEED REFERENCE GUIDE FOR BUILDING DESIGN AND CONSTRUCTION**

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#### **LEED V4 EDITION (2016)**

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#### **ENERGY SYSTEMS ANALYSIS AND MANAGEMENT 1ST ED**

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#### **HVAC AIR DUCT LEAKAGE TEST MANUAL 2ND ED**

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#### **GUIDELINES FOR LABORATORY DESIGN**

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#### **HEALTH AND SAFETY CONSIDERATIONS**

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Wiley-Interscience New York : John Wiley and Sons, [1987].

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## **HVAC DESIGN MANUAL FOR HOSPITALS AND CLINICS**

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Ashrae "Provides in-depth design recommendations and proven, cost effective, and reliable solutions for health care HVAC design that provide low maintenance cost and high reliability based on best practices from consulting and hospital engineers with decades of experience in the design, construction, and operation of health care facilities"--

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## **MOLD REMEDIATION IN SCHOOLS AND COMMERCIAL BUILDINGS**

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## **HANDBOOK OF CONSTRUCTION TOLERANCES**

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John Wiley & Sons The comprehensive guide to construction tolerances, newly revised and updated How much may a steel frame be out of plumb? What are the expected variations of a precast concrete panel? What is required to successfully detail finish materials on masonry? Updating and expanding on its popular first edition, the Handbook of Construction Tolerances, Second Edition remains the only comprehensive reference to the thousands of industry standard tolerances for the manufacture, fabrication, and installation of construction materials and components--including all-important accumulated dimensional variations. Covering new materials and techniques developed since the book was first published, the Second Edition of this easy-to-use reference features: \* More than 100 drawings illustrating the tolerance concepts \* New sections on measuring compliance with tolerance standards; right-of-way construction; autoclaved aerated concrete; tilt-up concrete panels; interior stone wall cladding; structural insulated panels; decorative architectural glass; laminated architectural flat glass and bent glass \* New guidelines on how to incorporate tolerance requirements in drawings and specifications \* New information on how to apply tolerance information during contract administration With the Handbook, architects, engineers, contractors, interior designers, lawyers, and others involved in the construction industry will be armed with the information they need to design and detail more accurately, write better specifications, establish normal practice and standards of care, supervise construction, settle worksite disputes, and save time and money at every stage of building.

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## **SUSTAINABLE CONSTRUCTION**

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## **GREEN BUILDING DESIGN AND DELIVERY**

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John Wiley & Sons The leading green building reference, updated with the latest advances in the field Sustainable Construction is the leading reference for the design, construction, and operation of high performance green buildings. With broad coverage including architecture, engineering, and construction, this book nevertheless delivers detailed information on all aspects of the green building process, from materials selection to building systems and more. This new fourth edition has been updated to

reflect the latest codes and standards, including LEED v4, and includes new coverage of carbon accounting. The discussion has been updated to align with the current thinking on economics, climate change, net zero buildings, and more, with contributions by leaders in the field that illustrate the most recent shifts in thinking and practice. Ancillary materials including an instructor's manual and PowerPoint presentations for each chapter help bring this clear and up-to-date information into the classroom, making this book a valuable reference for working construction professionals. Also, Interactive graphics found throughout the course help activate the content and highlight key concepts for students. Sustainable construction has gone mainstream, and will one day be the industry norm. This book provides a comprehensive reference to all aspects of a project to show you how green building concepts and principles apply throughout the design and construction process. Get up to date on the latest green building codes and standards Learn about the newest technology in green building materials Adopt the best practices in procurement and delivery systems Apply sustainability concepts to all aspects of construction and design Green buildings operate at a very high level of efficiency, which is made possible only by careful consideration every step of the way. Appropriate land use, landscaping, construction materials, siting, water use, and more all play a role in a structure's ultimate carbon footprint. Sustainable Construction provides clear guidance for all aspects of green building, including the most recent advances and the latest technology.

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## **HEAT VENT AND AIR CONDITIONING DESIGN GUIDE FOR TALL COMMERCIAL BUILDINGS**

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Amer Society of Heating Tall commercial office buildings present a series of design problems that differ from those that are found in other projects in the built environment. HVAC Design Guide for Tall Commercial Buildings provides guidance in both understanding the HVAC design problems of tall commercial office buildings and in detailing their alternative solutions.

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## **GREEN SCHOOLS**

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### **ATTRIBUTES FOR HEALTH AND LEARNING**

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National Academies 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.

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## **TESTING AND BALANCING HVAC AIR AND WATER SYSTEMS, FOURTH EDITION**

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**Fairmont Press** This fully revised and updated edition of this classic bestselling reference provides all the information needed to evaluate and balance the air and water sides of any HVAC system. The third edition adds new chapters on testing and balancing clean rooms and HVAC system commissioning. The book addresses every aspect of testing, adjusting and balancing, including all types of instruments required and specific methods to adjust constant volume, single zone, dual duct, induction, and variable air volume systems. The author provides complete details for the full scope of system components, including fans, pumps, motors, drives, and electricity, as well as for balancing devices and instrument usage. The book also includes all necessary equations and a variety of useful conversion tables.

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## **FUNDAMENTALS OF INTEGRATED DESIGN FOR SUSTAINABLE BUILDING**

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**John Wiley & Sons** "Fundamentals of Integrated Design for Sustainable Building offers an introduction to green building concepts as well as design approaches that reduce and can eventually eliminate the need for fossil fuel use in buildings while also conserving materials, maximizing their efficiency, protecting the indoor air from chemical intrusion, and reducing the introduction of toxic materials into the environment. It represents a necessary road map to the future designers, builders, and planners of a post-carbon world." —from the Foreword by Ed Mazria A rich sourcebook covering the breadth of environmental building, *Fundamentals of Integrated Design for Sustainable Building* introduces the student and practitioner to the history, theory and technology of green building. Using an active learning approach, the concepts of sustainable architecture are explained and reinforced through design problems, research exercises, study questions, team projects, and discussion topics. Chapters by specialists in the green movement round out this survey of all the important issues and developments that students and professionals need to know. From history and philosophy to design technologies and practice, this sweeping resource is sure to be referenced until worn out.

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## **HANDBOOK OF AIR CONDITIONING AND REFRIGERATION**

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**McGraw-Hill Professional Pub** \* A broad range of disciplines--energy conservation and air quality issues, construction and design, and the manufacture of temperature-sensitive products and materials--is covered



in this comprehensive handbook \* Provide essential, up-to-date HVAC data, codes, standards, and guidelines, all conveniently located in one volume \* A definitive reference source on the design, selection and operation of A/C and refrigeration systems

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## **CONSTRUCTION LABOR REPORT**

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## **RESIDENTIAL DUCT SYSTEMS - MANUAL D**

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### **THIRD EDITION, VERSION 2.50**

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**DeBolsillo** The Third Edition of ANSI/ACCA Manual D is the Air Conditioning Contractors of America procedure for sizing residential duct systems. This procedure uses Manual J (ANSI/ACCA, Eighth Edition) heating and cooling loads to determine space air delivery requirements. This procedure matches duct system resistance (pressure drop) to blower performance (as defined by manufacturer's blower performance tables). This assures that appropriate airflow is delivered to all rooms and spaces; and that system airflow is compatible with the operating range of primary equipment. The capabilities and sensitivities of this procedure are compatible with single-zone systems, and multi-zone (air zoned) systems. The primary equipment can have a multi-speed blower (PSC motor), or a variable-speed blower (ECM or constant torque motor, or a true variable speed motor). Edition Three, Version 2.50 of Manual D (D3) specifically identifies normative requirements, and specifically identifies related informative material.

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## **HVAC TESTING, ADJUSTING, AND BALANCING FIELD MANUAL**

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**McGraw Hill Professional** The easy way to keep your HVAC systems humming. Meet the demand for better quality and efficiency in air systems by mastering the latest TAB (testing, adjusting, and balancing) techniques in the Third Edition of HVAC Testing, Adjusting, and Balancing Manual, by John Gladstone and W. David Bevirt. This time-saving productivity tool puts at your fingertips proven TAB methodologies, equations, and calculations for system balancing, controls, clean rooms, sound vibration and more. It's the only resource you need to: balance air and water distribution systems; adjust the total system to provide specified quantities; perform accurate electrical measurements; establish quantitative performance of all equipment; verify automatic controls; measure sound and vibration with complete confidence; and much more.

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## **ENERGY PROJECT FINANCING**

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### **RESOURCES AND STRATEGIES FOR SUCCESS**

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This practical application reference provides a resource for those seeking to utilize the innovative methods now available to finance energy projects. The full scope of current project financing practices are fully examined and assessed, including coverage of energy service performance contracting,

rate of return analysis, measurement and verification of energy savings, and more. Readers will receive the facts they need to assess a project's payback in advance, anticipate and avoid potential risks and/or hidden costs, and assure that your energy project is an overall economic success. Other topics covered include financing international projects and ESCO's (Energy Service Company's) financing.

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## **FUNDAMENTALS OF HVAC CONTROL SYSTEMS**

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**Elsevier Annotation** This book provides a thorough introduction and a practical guide to the principles and characteristics of controls, and how to apply them in the use, selection, specification and design of control systems.