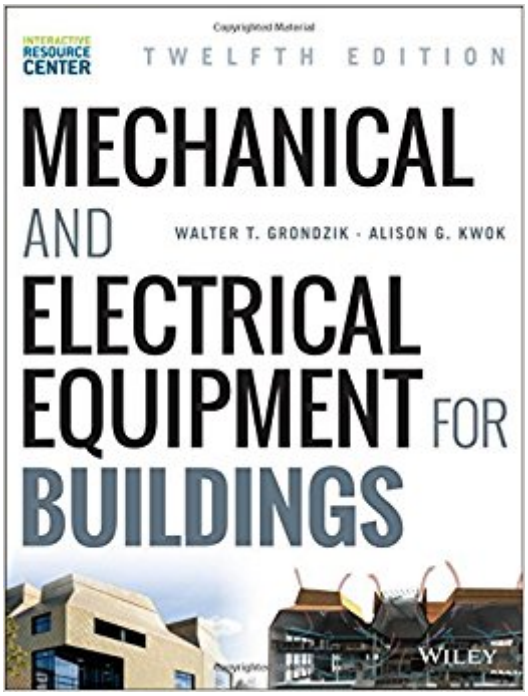
Mechanical And Electrical Equipment For Buildings



Synopsis

The definitive guide to environmental control systems, updated with emerging technology and trends The Interactive Resource Center is an online learning environment where instructors and students can access the tools they need to make efficient use of their time, while reinforcing and assessing their understanding of key concepts for successful understanding of the course. An access card with redemption code for the onlineÂ Interactive Resource CenterÂ is included withÂ all new, print copiesÂ or can be purchased separately. Â Â (***If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code ISBN: 978111899616-4). The onlineÂ Interactive Resource CenterÂ contains resources tied to the book, such as: Interactive Animations Interactive Self-tests Interactive Flashcards Case Studies Respondus Testbank (instructors only) Instructorâ ™s Manual (over 200 pages) including additional resources (Instructors only) Roadmap to the 12th Edition (Instructors only) Student Guide to the Textbook Mechanical and Electrical Equipment for Buildings, Twelfth Edition is the industry standard reference that comprehensively covers all aspects of building systems. With over 2,200 drawings and photographs, the book discusses basic theory, preliminary building design guidelines, and detailed design procedure for buildings of all sizes. The updated twelfth edition includes over 300 new illustrations, plus information on the latest design trends, codes, and technologies, while the companion website offers new interactive features including animations, additional case studies, quizzes, and more. Environmental control systems are the components of a building that keep occupants comfortable and help make the building work. Mechanical and Electrical Equipment for Buildings covers both active controls, like air conditioners and heaters, as well as passive controls like daylighting and natural ventilation. Because these systems comprise the entire energy use and costs of a building’s life, the book stresses the importance of sustainability considerations during the design process, by both architects and builders. Authored by two leading green design educators, MEEB provides the most current information on low-energy architecture, including topics like: Context, comfort, and environmental resources Indoor air quality and thermal control Illumination, acoustics, and electricity Fire protection, signal systems, and transportation Occupant comfort and building usability are the most critical factors in the success of a building design, and with environmental concerns mounting, it’s becoming more and more important to approach projects from a sustainable perspective from the very beginning. As the definitive guide to environmental control systems for over 75 years, Mechanical and Electrical Equipment for Buildings is a complete resource for students and professionals alike.

Book Information

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Customer Reviews

THE DEFINITIVE GUIDE TO THE DESIGN OF ENVIRONMENTAL CONTROL SYSTEMS With over 2,200 drawings and photographsâ ”more than 300 of them new to this editionâ ”Mechanical and Electrical Equipment for Buildings covers basic theory, preliminary building design guidelines, and detailed design procedures for buildings of all sizes, and also provides information on the latest technologies, emerging design trends, and updated codes. In addition, the companion web site includes over 30 Interactive Animations, new case studies, a test bank in Respondus, and Instructorâ ™s Manual. For more than 75 years, this classic text has been the industry standard teaching and practice reference for building environmental control systems. Authored by two leading green design educators, this instructive reference provides the most current information on low-energy architecture, including: Context, comfort, and environmental resources Indoor air quality and thermal control Illumination, acoustics, and electricity Fire protection, signal systems, and transportation This completely updated and expanded Twelfth Edition continues to help prepare generations of students for their careers in architecture, architectural engineering, and construction management, and to supply professionals with in-depth information to assist them with their decision making in practice.

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