

Sustainable Building Design Manual

Volume 2

Sustainable Building Design Practices

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Green Building Design Manual

Walter T. Grondzik



Green Building Design Manual:

Handbook of Green Building Design and Construction Sam Kubba, 2012-06-26 Creating contract plans and specifications to ensure building performance

Sustainable Building - Design Manual, 2004-01-01 The second volume targets practitioners and focuses on the process of green architecture by combining concepts and technologies with best practices for each integral design component

Green Building Materials Ross Spiegel, Dru Meadows, 2010-11-09 GREEN BUILDING MATERIALS THE ULTIMATE USER'S MANUAL TO GREEN BUILDING MATERIALS To properly select and specify green building materials successful architects need authoritative real world advice on how to select and use nontoxic recycled and recyclable products and how to integrate these products into the design process in order to capitalize on the many practical and economic advantages of going green Green Building Materials Third Edition is the most reliable up to date resource to meet today's green building challenges from reducing waste and improving energy efficiency to promoting proper code compliance and safeguarding against liability claims Written by two nationally known experts on green building methods and materials Green Building Materials Third Edition offers in depth practical information on the product selection product specification and construction process This new Third Edition is an excellent hands on guide to today's newest range of green building materials what they are where to find them how to use them effectively and how to address LEED requirements Organized by CSI MasterFormat category for fast access to specific information it features A new chapter on eco labels green standards and product certification A new appendix providing reference information for sustainability standards and standards development organizations New sample specifications including green power requirements vegetated green roof systems rainwater harvesting and water reuse systems Revised and updated review of trends affecting the future of green building materials Updated approach and reference information for the product selection process Green Building Materials Third Edition is an essential tool for designing environmentally friendly buildings ones made from materials that preserve the Earth's natural legacy for future generations

Handbook of Green Building Design and Construction Sam Kubba, 2016-10-15 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

Sustainable Construction Charles J. Kibert, 2016-05-02 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 *Green Building Handbook: Volume 1* Tom Woolley, Sam Kimmins, Rob Harrison, Paul Harrison, 2002-09-11 Green Building Handbook provides a detailed reference for environmentally concerned purchasers of building products with at a glance tables for buyers and specifiers **Green Building Handbook: Volume 2** Tom Woolley, Sam Kimmins, 2003-09-02 This new handbook provides a detailed reference for environmentally concerned purchasers of building products Invaluable for the specifier this handbook will be useful to all interested in finding greener ways of designing and building **The Integrative Design Guide to Green Building** 7group, Bill Reed, 2009-04-13 The members of 7group and Bill Reed are examples writ large of the kind of leadership that is taking this idea of green building and forming it into reality by helping change minds building practice and design process from the Foreword by S Rick Fedrizzi President CEO and Founding Chair U S Green Building Council A whole building approach to sustainability The integrative design process offers a new path to making better green building decisions and addressing complex issues that threaten living systems In *The Integrative Design Guide to Green Building Redefining the Practice of Sustainability* 7group s principals and integrative design pioneer Bill Reed introduce design and construction professionals to the concepts of whole building design and whole systems With integrative thinking that reframes what sustainability means they provide a how to guide for architects designers engineers developers builders and other professionals on incorporating integrative design into

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PPI NCIDQ Interior Design Reference Manual, 7th Edition—Includes Complete Coverage of Content Areas for All Three Sections of the NCIDQ Exam

David Kent Ballast,2021-07-20 Covers all three sections of the NCIDQ exams Pass your exams the first time with comprehensive reading materials on all topics Features include complete coverage of content areas for all three sections of the NCIDQ Exam updated for the IBC 2018 changes included in the exam over 200 figures in SI and U S measurements to illustrate design details study guidelines exam tips and tables to support exam preparation

Air-conditioning System Design Manual Walter T. Grondzik,2007 The Air Conditioning Manual assists entry level engineers in the design of air conditioning systems It is also usable in conjunction with fundamental HVAC R resource material as a senior or graduate level text for a university course in HVAC system design The manual was written to fill the void between theory and practice to bridge the gap between real world design practices and the theoretical calculations and analytical procedures or on the design of components This second edition represents an update and revision of the manual It now features the use of SI units throughout updated references and the editing of many illustrations Helps engineers quickly come up with a design solution to a required air conditioning system Includes issues from comfort to cooling load calculations New sections on Green HVAC systems deal with hot topic of sustainable buildings

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