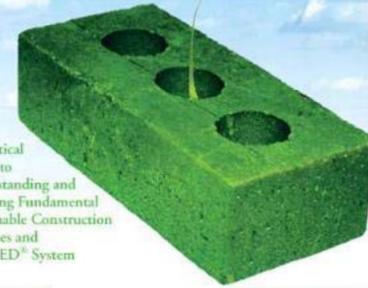


Prepare for the LEED® Green Associate Exam!

Green Building Fundamentals

Second Edition



A Practical Guide to Understanding and Applying Fundamental Sustainable Construction Practices and the LEED® System

PEARSON

Michael Montoya

[eBooks] Green Building Fundamentals

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Green Building Fundamentals-Michael Montoya 2011 This book helps readers understand the fundamental concepts of sustainable design and green building practices, which will soon become common practice on every project. It is also intended as a practical study guide for the LEED Green Associate exam, with a step-by-step study guide and an assessment (a practice exam with 80 questions and a focused discussion for each example). This book includes a discussion on why this topic is important to understand, practice, and teach along with practical examples of methods that are being used to increase a project's environmental performance and additional study resources/references. Some features include: Covers cost implications of green building practices, including initial investments, long-term cost benefits, and current market trends. Provides a practical guide to understanding fundamental sustainable design and green building practices. Includes a Focused Study Guide that helps readers prepare for the LEED-Green Associate exam. Plus! A companion student website, "MyGreenTradesKit", is now available! Click here for a brief demonstration of this outstanding resource.

Green Building Fundamentals-Mike Montoya 2011-11-21 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. This book helps readers understand the fundamental concepts of sustainable design and green building practices, which will soon become common practice on every project. It is also intended as a practical study guide for the LEED Green Associate exam, with a step-by-step study guide and an assessment (a practice exam with 80 questions and a focused discussion for each example). This book includes a discussion on why this topic is important to understand, practice, and teach along with practical examples of methods that are being used to increase a project's environmental performance and additional study resources/references. Some features include: Covers cost implications of green building practices, including initial investments, long-term cost benefits, and current market trends. Provides a practical guide to understanding fundamental sustainable design and green building practices. Includes a Focused Study Guide that helps readers prepare for the LEED-Green Associate exam.

GREEN BUILDING FUNDAMENTALS A Concise Summary of LEED® Building Certification and Professional Accreditation Systems-Dorota M. Goede B.Arch., LEED Green Assoc. 2016-01-10 This book contains synopsis for ten course modules presented for the ENVR 10032 full time course at Mohawk College, Hamilton, ON, Canada. The Green Building Fundamentals Course introduces new students to the world of green building design and construct

Fundamentals of Integrated Design for Sustainable Building-Marian Keeler 2015-02-05 "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.

Fundamentals of Sustainable Dwellings-Avi Friedman 2012-03-12 Despite a prolonged slump in the housing market, the demand for residential green building remains strong. More than ever, professionals need reliable information about how to construct or retrofit livable, sustainable, and economical homes. With Fundamentals of Sustainable Dwellings, Avi Friedman provides that resource. While other books on residential green building are often either superficial or overly technical, Friedman gets it just right, delivering an illustrated, accessible guide for architects, developers, home builders, codes officials, and students of architecture and green design. Friedman charts a new course for residential building—one in which social, cultural, economic, and environmental values are part of every design decision. The book begins with a concise overview of green building principles, covering topics such as sustainable resources and common certification methods. Each following chapter examines a critical aspect of green home construction, from siting to waste management options. Friedman provides basics about energy-efficient windows and heating and cooling systems. And he offers innovative solutions like edible landscaping and green roofs. Friedman knows that in green building, ideas are only as good as their execution. So in each chapter valuable data is assembled and a contemporary project in which designers strove to achieve sustainability while adhering to real-world constraints is featured. The result is a practical guide for every professional in the burgeoning field of residential green building.

LEED Core Concepts-U.S. Green Building Council 2014-04-16

Green Building Illustrated-Francis D. K. Ching 2014-03-03 "Green Building Illustrated is a must-read for students and professionals in the building industry. The combination of incredibly expressive illustrations and accessible technical writing make concepts of green building on paper as intuitive as they would be if you toured a space with experts in sustainable building." —Rick Fedrizzi, President, CEO, and Founding Chair of the U.S. Green Building Council "The authors of Green Building Illustrated deliver clear and intelligent text, augmented by straightforward but compelling illustrations describing green building basics. This comprehensive book covers everything from the definition of green building, to details of high performance design, to sensible applications of renewable energy. This is a book with appeal for all architects and designers, because it addresses general principles such as holistic and integrated design, along with practical realities like affordability and energy codes. Green Building Illustrated describes a pathway for reaching Architecture 2030's carbon emission reduction targets for the built environment."—Ed Mazria, founder of Architecture 2030 "...a neophyte will have a very good overview of all the factors involved in green building. I see some excellent pedagogy at work!" —Jim Gunshinan, Editor, Home Energy Magazine Francis D.K. Ching brings his signature graphic style to the topic of sustainable design In the tradition of the classic Building Construction Illustrated, Francis D.K. Ching and Ian M. Shapiro offer a graphical presentation to the theory, practices, and complexities of sustainable design using an approach that proceeds methodically. From the outside to the inside of a building, they cover all aspects of sustainability, providing a framework and detailed strategies to design buildings that are substantively green. The book begins with an explanation of why we need to build green, the theories behind it and current rating systems before moving on to a comprehensive discussion of vital topics. These topics include site selection, passive design using building shape, water conservation, ventilation and air quality, heating and cooling, minimum-impact materials, and much more. Explains the fundamental issues of sustainable design and construction in a beautifully illustrated format Illustrated by legendary author, architect, and draftsman Francis D.K. Ching, with text by recognized engineer and researcher Ian M. Shapiro Ideal for architects, engineers, and builders, as well as students in these fields Sure to be the standard reference on the subject for students, professionals, and anyone interested in sustainable design and construction of buildings, Green Building Illustrated is an informative, practical, and graphically beautiful resource.

Sustainable Construction-Charles J. Kibert 2012-10-03 The classic reference for high-performance green building delivery systems No longer just a buzzword, sustainable construction is going mainstream—and soon will be the norm. Revised to reflect the latest developments of the U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system and other tools, Sustainable Construction: Green Building Design and Delivery, Third Edition guides construction and design professionals through the process of developing commercial and institutional high-performance green buildings in today's marketplace. Charles Kibert provides an introduction to green building, covering the theory, history, and state of the industry as well as best practices in building procurement and delivery systems. From green building and Green Globes assessments to building hydrological systems and materials and product selection, this comprehensive text covers all of the factors involved with sustainable construction. In a clear and accessible writing style, Kibert addresses issues so that the reader can think critically and independently as part of the cutting edge in green building. The Third Edition includes up-to-date coverage of: The latest developments leading up to LEED version 4 Carbon neutral design and carbon accounting Green Globes and international building assessment systems The Living Building Challenge Environmental product declarations (EPDs) as the norm for green building products The trends in net-zero energy building design and policies Broad enough to cover the needs of faculty and students and detailed enough to serve as a professional reference, Sustainable Construction, Third Edition is a must for the builder/owner and construction manager looking to take advantage of the opportunities in this rapidly evolving field, the designer looking to be LEED certified, or anyone interested in sustainability.

Fundamentals of Sustainability in Civil Engineering-Andrew Braham 2020-12-20 This book provides a foundation to understand the development of sustainability in civil engineering, and tools to address the three pillars of sustainability: economics, environment, and society. It includes case studies in the five major areas of civil engineering: environmental, structural, geotechnical, transportation, and construction management. This second edition is updated throughout and adds new chapters on construction engineering as well as an overview of the most common certification programs that revolve around environmental sustainability. Features: Updated throughout and adds two entirely new chapters Presents a review of the most common certification programs in sustainability Offers a blend of numerical and writing-based problems, as well as numerous application-based examples that utilize concepts found on the Fundamentals of Engineering (FE) exam Includes several practical case studies Offers a solution manual for instructors Fundamentals of Sustainability in Civil Engineering is intended for upper-level civil engineering sustainability courses. A unique feature is that concepts found in the Fundamentals of Engineering (FE) exam were targeted to help senior-level students refresh and prepare.

Agatha Webb-Anna Katherine Green 2020-07-16 Reproduction of the original: Agatha Webb by Anna Katherine Green

Healthy Buildings-Joseph G. Allen 2020 A healthy building does more than conserve resources: it improves the health and productivity of the people inside. Joseph Allen and John Macomber look at everything from the air we breathe to the water we drink to how light, sound, and materials impact our performance and wellbeing and drive business profit.

Essential Building Science-Jacob Deva Racusin 2016-12-05 Poor heat and moisture handling are enemies of durability, comfort and high-performance house design. Essential Building Science provides a highly visual, non-technical introduction to the fundamentals of building physics and the critical skills needed to develop thermal and moisture strategies for creating better new buildings and dramatically improving old ones. Good science plus critical thinking equals high-performance building.

Silas Marner-George Eliot 1861 A gentle linen weaver in a small English town is wrongly accused of a theft goes into seclusion and finds redemption in his unselfish love for an abandoned child who mysteriously appears at his cottage.

From Pit Boots to Green Wellies-Margaret Foster 2010

LEED v4 Green Associate Exam Guide (LEED GA)-GangChen 2014-08-01 Pass the LEED Green Associate Exam, Get Your Building LEED Certified, Fight Global Warming, and Save Money! The USGBC released LEED v4 at the GreenBuild International Conference and Expo in November 2013. The GBCI started to include the new LEED v4 content for all LEED exams in late Spring 2014. We have incorporated the new LEED v4 content in this book. Starting on December 1, 2011, GBCI began to draw LEED Green Associate Exam questions from the second edition of Green Building and LEED Core Concepts Guide. We have incorporated this information in our book. LEED (Leadership in Energy and Environmental Design) is one of the most important trends of 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 learn how to do the following: 1. Pass the LEED Green Associate Exam. 2. Use LEED exam preparation strategies, study methods, tips, suggestions, mnemonics, and exam tactics to improve your exam performance. 3. Effectively understand, digest, and retain your LEED knowledge. 4. Understand the process of registering and certifying a building for LEED. 5. Understand the scope, main intent, core concepts and strategies, as well as identify the regulations, recognition, and incentives for each major LEED category. 6. Identify the strategies for case studies. 7. Identify the synergy in case studies. 8. Implement the most important LEED related codes and building standards. 9. Get points for categories not yet clearly defined by the USGBC. This book fills in the blanks and demystifies LEED. It uncovers the secrets, codes, and jargon for LEED as well as the true meaning of "going green." It provides a solid foundation and fundamental framework for LEED. It covers every major aspect of LEED in plain and concise language, and introduces it to ordinary people. This guide is small and easy to carry around. You can read it whenever you have a few extra minutes. It is an indispensable book for ordinary people, developers, brokers, contractors, administrators, architects, landscape architects, civil, structural, mechanical, electrical and plumbing engineers, interns, drafters, designers, and other design professionals. What others are saying about "LEED Green Associate Exam Guide"...(Part I) "Finally! A comprehensive study tool for LEED GA Prep!" "I took the one-day Green LEED Green Associate course and walked away with a power point binder printed in very small print—which was missing MUCH of the required information (although I didn't know it at the time). I studied my little heart out and took the test, only to fail it by 1 point. Turns out I did NOT study all the material I needed to in order to pass the test. I found this book, read it, marked it up, retook the test, and passed it with a 95%. Look, we all know the LEED Green Associate Exam is new and the resources for study are VERY limited. This one's the VERY best out there right now. I highly recommend it." --Consultant VA "Complete overview for the LEED Green Associate exam" "I studied this book for about three days and passed the exam ... if you are truly interested in learning about the LEED system and green building design, this is a great place to start." --K.A. Evans See all our books at GreenExamEducation.com Check out FREE tips on the easiest way to pass the LEED Green Associate Exam and info for all LEED Exams and ARE Exams at GeeForums.com, you can post your questions for other users' review.

In the Wars of the Roses-Evelyn Everett-Green 2019-06-14 It was no small act of heroism to which the boy made up his mind in those few moments. Those were lawless days, and human life was held very cheap. The band of fierce men who had believed they were carrying off a prince, would think nothing of running him

through with their swords when they discovered how they had been tricked, and that by a mere child. Paul set his teeth hard and braced himself up for the task he had set himself. He knew his peril he realized it too; but he was a soldier's son, and had he not said he would live and die for the prince? Would he ever be worthy of the knighthood every lad looked forward to as the goal of his ambition, if he shrank now from the task he had set himself? Hardly had that resolution been taken before there sprang out from the thick underwood two or three fierce-looking men, armed to the teeth.

Streamline Prep Act Fundamentals

Streamline Prep Act Fundamentals-Josh Covitt 2016-02-10 With nearly 30 years experience teaching in classrooms, tutoring in living rooms and developing programs for large test prep companies, Josh Covitt, the Math Whiz, and Ryan Darst, the Verbal Dude, have created a strategy-driven system of their own for the SAT and ACT. They realized that so many students at all levels - regardless of school district, neighborhood or GPA - were making the same mistakes over and over again, and those mistakes were mostly due to poor test-taking fundamentals. The core of Streamline's innovative and fresh approach is an emphasis on meta-fundamentals and a simple yet effective hub of strategies, de-emphasizing busy work and drills, which are far too common (and boring!) in today's test prep industry.

The Color Green-C. Royce

The Color Green-C. Royce 2016-09-28 'At Last An Expose Revealing The Social And Economic History Both Of The Dollar And Of American Finance!...

That Time at the Zoo-Marilyn Green

That Time at the Zoo-Marilyn Green 2016-09-23 Join Clair and her family on an adventure to the Zoo. Sing along as Clair learns that trying new things is lots of fun!!

The Eb-5 Handbook-Ali Jahangiri

The Eb-5 Handbook-Ali Jahangiri 2014-08-18 "Outstanding. A great entry point for the developer and investor." - Brian Calle, Orange County Register "Combines the experience of the authors to give a unique perspective on the important EB-5 program which drives capital formation and jobs across our country." - Congressman Jared Polis Whether you are a foreign investor seeking a United States green card or a domestic developer sourcing capital for your latest project, the United States EB-5 visa program offers unique opportunity. In an industry known to be difficult to understand, The EB-5 Handbook breaks down the EB-5 program into its simple basics- investment, economic growth, and green cards. In The EB-5 Handbook, investors and developers alike will learn the essentials of the program, the benefits it can offer, and how to get started on their EB-5 journey with sections uniquely tailored to each party. Ali Jahangiri of EB5 Investors Magazine has brought together an all-star team of experts from nearly every segment of the industry. The authors - Jeff Campion, Linda He, David Hirson, Linda Lau, Dawn Lurie, Joseph McCarthy, Al Rattan, Reid Thomas, John Tishler, Kyle Walker, and Kevin Wright - and the editors - Elizabeth Peng and Cletus Weber -all have an established history of success working with EB-5 investors and developers. The EB-5 Handbook is the first book of its kind to bring together such a diverse group of authors to increase transparency and knowledge of the EB-5 program.

In the Days of Chivalry-Evelyn Everett-Green

In the Days of Chivalry-Evelyn Everett-Green 2018-04-25 In the Days of Chivalry By Evelyn Everett-Green

Gawain and the Green Knight-John Chater

Gawain and the Green Knight-John Chater 2014-01-19 A year after beheading the magical Green Knight in a Christmas game, Sir Gawain must travel to the distant green chapel, prepared to receive the return blow. A guest of the merry Lord Bertilak, all is not as it seems as Gawain struggles to fulfil his quest (and also protect his virtue from the seductive desires of his host's beautiful wife). Gawain and the Green Knight is a late 14th century poem, written originally in Middle English. The story is a Christian romance, in which a hero from the court of King Arthur undertakes a quest that tests his honour, strength and faith. The poem is violent and comic in turns, from the horror of the Green Knight's appearance in Camelot to the sensual yet farcical attempts of Lady Bertilak to seduce him (a meticulous game of cat-and-mouse, conducted within the four posts of his bed). Gawain's strength is in his devotion to the Virgin Mary, whose image is painted on the inside of his shield. It is she who is most often in his prayers and who saves him at the moment of his greatest temptation. It is his sensitive devotion to her and his humble loyalty to God, King Arthur and the code of chivalry that gives the story its heart. Though flawed, Gawain conducts himself with selfless knightly courage, courtesy and honour. This is his real triumph - to do his very best, not to be perfect. He remains the most lovable of heroes. The original poem survives in a single manuscript known as the 'Cotton Nero A.x.', which also contains three other Christian poems (Pearl, Purity and Patience). One author, known as the 'Pearl Poet' or 'Gawain Poet', is believed to have penned all four, though his (or her) name is unknown.

Fundamentals of Integrated Design for Sustainable Building-Marian Keeler

Fundamentals of Integrated Design for Sustainable Building-Marian Keeler 2016-04-08 The Fully Updated, Indispensible Study of Sustainable Design Principles Fundamentals of Integrated Design for Sustainable Building is the first textbook to merge principles, theory, and practice into an integrated workflow. This book introduces the technologies and processes of sustainable design and shows how to incorporate sustainable concepts at every design stage. This comprehensive primer takes an active learning approach that keeps students engaged. This book dispenses essential information from practicing industry specialists to provide a comprehensive introduction to the future of design. This new second edition includes: Expansive knowledge—from history and philosophy to technology and practice Fully updated international codes, like the CAL code, and current legislations Up-to-date global practices, such as the tools used for Life-Cycle Assessment Thorough coverage of critical issues such as climate change, resiliency, health, and net zero energy building Extensive design problems, research exercise, study questions, team projects, and discussion questions that get students truly involved with the material Sustainable design is a responsible, forward-thinking method for building the best structure possible in the most efficient way. Conventional resources are depleting and building professionals are thinking farther ahead. This means that sustainable design will eventually be the new standard and everyone in the field must be familiar with the concepts to stay relevant. Fundamentals of Integrated Design for Sustainable Building is the ideal primer, with complete coverage of the most up to date information.

The Search Is Over-Tara Carr

The Search Is Over-Tara Carr 2016-05-06 Every highway is leading me back to you... Josie McMann had a rough start in life. The only daughter of a single mother, she learned early on that hard work and independence were the only way to get anywhere. Losing her mother as a teenager left Josie without any family until her best friend Janie's family took her in. But moving in with them meant living a lifestyle Josie had never imagined. Thrust into a world of wealth where image is everything, Josie tried to keep her feet firmly planted on the ground, but her growing attraction for one of her three best friends, Connor, ultimately led to her leaving the small town of Harbortown, Connecticut, for good. Now, thirteen years later, she has no choice but to return to her hometown and the people she left. Spending time with her best friends is easier said than done when she realizes she's never truly gotten over Connor. Connor James Anderson has spent his entire adult life bouncing from one woman to the next, replacing his old substance addictions with sex. "Relationship" is a foreign word to him. When a summer series of events forces him and Josie to spend more time together than they have in years, Connor starts to wonder if maybe his life of money, fast cars, and women isn't really what he was looking for after all. Are their old feelings enough to rekindle their romance? Or will the secrets they've been keeping from each other all these years tear them apart?

Totalled-Stacey Grice

Totalled-Stacey Grice 2014-05-17 Totalled is a full length, new adult, contemporary romance novel. Due to mature content, profane language, and sexual situations, this book is recommended for ages 18 and up. Bree Murphy is stuck. Forced to grow up too fast after the tragic death of her mother, she has little time for any sort of life for herself. Now in her early twenties, she is coming to the realization that she deserves to put herself first. Drew Dougherty is also stuck, in a state of merely existing. Memories and secrets of the day he lost both of his parents haunt him, forcing him to cope the only way he knows how...by fighting. When these two worlds collide, hidden truths are revealed and relationships are put to the ultimate test. At a crossroad in their lives, they must decide if taking a risk is worth everything. Or will their love be... Totalled.

Tree of Life-Tracey Jimerson

Tree of Life-Tracey Jimerson 2014-08-26 How does a woman, who had everything, find her way in this world when all the meaning has been removed? Mara Dalton has a life that most women only dream of. She has an amazing husband, a new baby boy and owns her own company. When her husband and son are killed tragically just days before Christmas, Mara stops living as well. For years she tries to live but finds herself only existing. She attempts to avoid reliving another year of horrible

memories at Christmas by leaving her home; which has become her tomb. While traveling with not much of a plan other than avoidance, she discovers a small town in Alabama. The quaint town seems the perfect place to avoid the holiday and her pain. She finds more than she bargained for in the Lambert family; a family whose roots are buried deep in their small southern town. Mara discovers the one thing she has lost, herself. She struggles to allow herself to live again, at the same time breathing life into the town and the Lamberts. Sometimes we don't get to choose where we lay our roots, it chooses us.

Code of Silence-Maureen Green 2014

Code of Silence-Maureen Green 2014

ASHRAE Greenguide- 2018

ASHRAE Greenguide- 2018 "Provides information on green-building design. Concerned with sustainable, high-performance projects"--

GM&Co: Notebook Journal Dot-Grid, Lined, Graph, 120 Pages 5. 5 X8. 5-Gabriela Mongomory 2017-01-28

GM&Co: Notebook Journal Dot-Grid, Lined, Graph, 120 Pages 5. 5 X8. 5-Gabriela Mongomory 2017-01-28 - 3 Patterns : Dot-Grid 50 Pages , Lined 35 Pages , Grid 35 Pages - Perfect for making lists, creating poetry, or writing down your life reflections - High-quality -- Matte cover for a professional finish - Perfect size at 5.5"x8.5" --Perfect Size for notebook - Fountain pen friendly - Made in USA

Journal of Green Building- 2007

Building Green-Clarke Snell 2009

Computer Graphics and CAD Fundamentals-Noel M. Morris 1986

Contractor's Guide to Green Building Construction-Thomas E. Glavinich 2008-04-07

Building Green-Clarke Snell 2009 Text and illustrations take you through the construction of a small building that incorporates a wide spectrum of alternative techniques and materials.

Computer Graphics and CAD Fundamentals-Noel M. Morris 1986

Megatrends and Their Consequences for German Real Estate-Michail Farmakis 2010-06

Contractor's Guide to Green Building Construction-Thomas E. Glavinich 2008-04-07 Written for contractors and endorsed by the Associated General Contractors of America Written specifically for contractors, this "how-to" book enables you to meet the challenges of green building construction. You'll discover how constructing environmentally friendly, sustainable buildings influences project management, delivery, documentation, and risk. Moreover, the book guides you through these important considerations at all phases of a green construction project, including: Bidding and contracting Managing green design when the contractor works as a design builder Subcontracting Procurement Construction management Project commissioning and closeout This book is endorsed by the Associated General Contractors of America (AGC) and was written with the assistance and advice of a specially assembled AGC task force. With a focus on the green building process from the contractor's viewpoint, the book avoids endorsing any one green building rating system in favor of presenting the business fundamentals common to them all. Throughout the presentation, flowcharts and other features offer working tools for successfully managing green construction projects. Plus, real-world case studies developed through discussions with the actual contractors involved help you understand exactly what to expect and how to best manage constructing a green building. In short, this is one book that you need to have on hand to be a part of the rapidly growing green building movement.

Solar Today- 2005

Megatrends and Their Consequences for German Real Estate-Michail Farmakis 2010-06

Megatrends and Their Consequences for German Real Estate-Michail Farmakis 2010-06 Bachelor Thesis from the year 2010 in the subject Business economics - Miscellaneous, grade: 1,3, European Business School - International University Schloss Reichartshausen Oestrich-Winkel (Real Estate Management Institute), language: English, abstract: At the beginning of 2009, the owner of the Empire State Building unveiled his plan to "go green." The world famous skyscraper was completed in 1931 in New York, USA. The Art Deco building is currently in the midst of a \$500m renovation, where \$100m of these funds are designated for the green initiative. The green renovations are expected to decrease energy expenditures by 38 percent or \$4.4m annually (Jonas, 2009). The example of the Empire State Building is not unique, since increased environmental awareness has affected nearly every industry. Companies across all industries and nations have launched green initiatives in order to improve their environmental performance and in response to the expressed concerns regarding their immediate environment. Currently, corporations compete to adopt and implement sustainable policies. Particularly the role of the real estate industry in reducing the environmental burden is considered to be the most important, as this industry is one of the largest emitters of harmful chemical substances and a major user of natural resources (Nelson, 2007, p. i). However, it is not enough to consider only the ecological aspects of real estate. This is because real estate, as a commodity, has an enormous economical impact. Other dimensions including economic and social aspects must also be examined. The term sustainability unites the three relevant dimensions. Over the last 20 years, bringing environmental protection to the same level as economic development and social concerns, sustainability has become a worldwide guiding principle. Sustainable development takes the future of mankind into account (Grunwald & Kopfmu ller, 2006, p. 7). In the context of global challenges, sustainability means en"

Green Building-Andrea Keenan 2002

Green Building-Andrea Keenan 2002 A guide to estimating, designing and building sustainable construction.

ASHRAE Handbook- 2005

Green Building Products-Alex Wilson 2006

Green Building Products-Alex Wilson 2006 Interest in sustainable, green building practices is greater than ever. Whether concerned about allergies, energy costs, old-growth forests, or durability and long-term value, homeowners and builders are looking for ways to ensure that their homes are healthy, safe, beautiful, and efficient. In these pages are descriptions and manufacturer contact information for more than 1,400 environmentally preferable products and materials. All phases of residential construction, from sitework to flooring to renewable energy, are covered. Products are grouped by function, and each chapter begins with a discussion of key environmental considerations, and what to look for in a green product. Over 40% revised, this updated edition includes over 120 new products. Categories of products include: Sitework and landscaping Outdoor structures Decking Foundations, footers and slabs Structural systems and components Sheathing Exterior finish and trim Roofing Doors and windows Insulation Flooring and floor coverings Interior finish and trim Caulks and adhesives Paints and coatings Mechanical systems/HVAC Plumbing, electrical and lighting Appliances Furniture and furnishings Renewable energy Distributors and retailers An index of products and manufacturers makes for easy navigation. There is no more comprehensive resource for both the engaged homeowner and those who design and build homes.

Green from the Ground Up-David Johnston 2008

Green from the Ground Up-David Johnston 2008 This thorough, informative, and up-to-date reference on environmentally conscious, energy-efficient home construction gives builders and architects the tools to respond to growing requests from homeowners for green houses.

Fundamentals of Residential Construction-Edward Allen 2006-02-24

Fundamentals of Residential Construction-Edward Allen 2006-02-24 Publisher Description

