

# For Eco Friendly Architecture

Data-driven Analytics for Sustainable Buildings and Cities  
 Houses: Robert A.M. Stern Architects  
 150 Best New Eco Home Ideas  
 Research Anthology on Environmental and Societal Well-Being Considerations in Buildings and Architecture  
 Sustainable Architecture and Urbanism  
 Design for a Sustainable Culture  
 Handbook of Green Building Design and Construction  
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 Reusable and Sustainable Building Materials in Modern Architecture  
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 Strategies for Sustainable Architecture  
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 Green Construction Project Management and Cost Oversight  
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 Devil's Workshop:  
 Big and Green  
 The Eco-Home Design Guide  
 Sustainable School Architecture  
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 Understanding Green Building Materials  
 Sustainable Construction Technologies  
 The Green Self-build Book  
 Building Better  
 Essential Sustainable Home Design  
 Container & Prefab Homes  
 Sustainable Construction  
 The Green Building Materials Manual  
 Dense + Green  
 Introduction to Architectural Science  
 The Law of Green Buildings

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## FERGUSON FIELDS

**Data-driven Analytics for Sustainable Buildings and Cities** New Society Publishers  
 For 25 years the architects who make up Jersey Devil have been constructing their own designs while living on site in tents or Airstream trailers, making adjustments to their structures in response to problems encountered during the building process. Jersey Devil is a name that has been attached to work by Steve Badanes, John Ringel, Jim Adamson, or any combination of the above, plus many other people who have participated in their diverse projects. This loose-knit group of designer-builders has created projects that critique conventional practice, both the process of making architecture and the accepted definitions of architecture itself. Jersey Devil's architecture shows a concern for craft and detail, an attention to the expressiveness of the construction materials, and a strong environmental consciousness. Devil's Workshop contains complete project descriptions, photographs, drawings, and plans on more than a dozen projects, including the Snail House, the Silo House, the Hoagie House, and the Seaside Pavillion. Essays analyze Jersey Devil's work, providing an insight into the design-build process and its historical context, and discussing the formal qualities inherent in these projects.  
**Houses: Robert A.M. Stern Architects** W. W. Norton & Company  
 The key principles of designing a pleasant, comfortable and healthy eco-home, with a foreword written by HRH The Prince of Wales, now King Charles III. Designing an eco-home is much more about working with your house's location and situation than relying on intrusive technology and hi-tech materials. With the soaring energy bills and the climate crisis, it is now more important than ever to invest in a home that is considerate of keeping heat in. In this handbook, architect Christopher Day draws on his extensive experience to explain the key principles of eco-home design, using common-sense methods. Packed full of practical information, it includes several case studies of eco-homes, reviewing (with hindsight) what worked well and what could have been better. There is also guidance on how to generate energy, upgrading old buildings, and site planning. With beautifully hand-drawn illustrations, Christopher explores how to use local topography, combined with landscaping, to improve your home's microclimate and keep your house dry and warm in the winter, and cool in the summer. There are also handy tips on how to minimise hidden environmental impacts, and ideas on ways to make your home a safe and healthy place, both emotionally and physically. The Eco-Home Design Guide is essential for anyone who wants to create a attractive, environmentally friendly home that is in harmony with its

location.

**150 Best New Eco Home Ideas** Springer Nature  
 Sustainable building from the ground up - the pros and cons of the latest green and natural materials and technologies  
**Research Anthology on Environmental and Societal Well-Being Considerations in Buildings and Architecture** Taylor & Francis  
 The latest innovative solutions of ecological construction that point the way to the future.  
**Sustainable Architecture and Urbanism** Taunton Press  
 The author outlines the major ideas and issues that have emerged in the growing movement of green architecture and sustainable design over the last thirty years. The book asks individuals to understand how the philosophy of sustainable design can affect their own work.  
**Design for a Sustainable Culture** Springer Science & Business Media  
 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.

**Handbook of Green Building Design and Construction** Harper Design  
 Sustainable Construction Technologies: Life-Cycle Assessment provides practitioners with a tool to help them select technologies that are financially advantageous even though they have a higher initial cost. Chapters provide an overview of LCA and how it can be used in conjunction with other indicators to manage construction. Topics covered include indoor environment quality, energy efficiency, transport, water reuse, materials, land use and ecology, and more. The book presents a valuable tool for construction professionals and researchers that want to apply sustainable construction techniques to their projects. Practitioners will find the international case studies and discussions of worldwide regulation and standards particularly useful. Provides a framework for analyzing sustainable construction technologies and economic viability Introduces key credit criteria for different sustainable construction technologies Covers the most relevant construction areas Includes technologies that can be employed during the process of construction, or to the product of the construction process, i.e. buildings Analyzes international rating systems and provides supporting case studies  
**New Eco Homes** Springer Nature  
 Design your own sustainable home Many people dream of building a beautiful, environmentally friendly home. But until now there has been no systematic guide to help potential builders work through the complete process of imagining, planning, designing, and building their ideal, sustainable home. Essential Sustainable Home Design walks potential homebuilders through the process starting with key concepts, principles, and a project vision that will guide the house to completion. Coverage includes: How to clarify your ideas and create a practical pathway to achieving your dream A criteria matrix to guide design, material, and systems decisions Creating a strong, integrated design team and working with professionals and code officials to keep the project on track from start to finish. Key building science concepts that make for a high-performance, durable building Primer on building logistics, material sourcing, and protocols to ensure that the initial vision for the project comes to fruition. One-page summaries and ratings of popular sustainable building materials and system options. Ideal for owner-builders and sustainable building contractors working with clients aiming to design and build a sustainable home. Chris Magwood has designed and built some of the most innovative, sustainable buildings in North America, including the first off-grid, straw bale home in Ontario. He is co-founder and director the Endeavour Centre for Innovative Building and Living and co-editor of the Sustainable Building Essentials series. Chris is the author of Essential Prefab Straw

Bale Construction, Essential Hempcrete Construction, Straw Bale Details, More Straw Bale Building, and Making Better Buildings. **Green Design** Butterworth-Heinemann

Disaster-proof, environmentally friendly housing solutions for a changing climate. How can we adequately provide housing when disaster strikes, whether that disaster is weather related, like hurricanes, floods, and droughts, happens in a matter of minutes from an earthquake or tsunami, through a slow process like rising sea levels, or is the result of civil disorder or poverty? There is an urgent need for safe, sustainable housing designs that are cheap to build, environmentally friendly, and hardy enough to withstand severe environmental conditions. Not only is there climate change to contend with, but there are millions of people, right now, who do not have safe or adequate housing. In *Urgent Architecture* Bridgette Meinhold showcases 40 successful emergency and long-term housing projects—from repurposed shipping containers to sandbag homes. She surveys successful structures as well as highlighting promising projects that are still being developed. Every one is quickly deployable, affordable, and sustainable. This book is an essential resource for those who are interested in green building, sustainable design, eco-friendly materials, affordable housing, material reuse, and humanitarian relief.

**New Eco Homes** Princeton Architectural Press

A companion to *Understanding Green Building Guidelines*, this primer explains green building products—what they are and how to choose them. From eco-friendly sheetrock to sustainable paint finishes, the green building movement is gaining momentum. But with new products, manufacturers, and standards being introduced routinely, how are architects or designers to know what's best for their projects? This book summarizes what is available and the considerations for selecting sustainable materials.

*Urgent Architecture* Chronicle Books

Green Construction is a specialized and skilled profession, and the author has extensive experience in this field. With this in mind, the reference is designed to provide practical guidelines and essential insights in preparing competent and professional looking ?Project Analysis Reports? and ?Project Status Reports?. The book also provides numerous tips on how to phrase the language of reports in a manner that is articulate and clearly understood by Real Estate Lenders and investors, as well as being an indispensable companion for both information and stimulus.

Written in a conversational manner, this book will clarify the nuts and bolts of green construction, finance, and cost monitoring? as a profession, and will outline the many attributes required to being successful in this field. Moreover, it will scrutinize the mechanics of organizing monthly meetings, contractor payment certifications, budgets, change orders, construction schedules, code compliance, waivers of lean, and much more. Drawing on over 30 years of personal experience across the world - both as an employee and as an employer, the reader will learn how to plan and implement sound business strategies and form alliances in a global context. The book also offers important information and penetrating insights into the process of setting up and working as a due-diligence consultant. In a clear, practical style, it will be explained how to identify opportunities for business development and how to maximize return. It will also articulate how to meet new challenges as well as avoid many of the pitfalls along the way. For the individual professional, this guide provides useful information and tips to help secure a high paying professional position. The book will include amongst other things, up-to-date information on hundreds of useful contacts. Topics covered in this guide include: types of services offered, the consultant's role on the construction loan team, what the lender needs to know, and marketing techniques. The guide will also include a comprehensive appendix that will contain numerous sample letters (e.g. for marketing and certification), building loan agreements, AIA forms, lender/consultant agreement, closeout documents and much more. Likewise included will be an extensive list of useful references from a variety of resources, and much more. Indeed, this handbook will be the most detailed & comprehensive program on the market. It meets all the criteria of a major work and will provide vital and absorbing reading. Provides a detailed blueprint of how to conduct monthly meetings, investigations, understand typical client/consultant agreements, analyze contractor requisitions Includes sample letters, reports, forms and agreements for easy reference. Practical guidelines for preparing Property Analysis and Property Status Reports Includes a glossary of important terms, abbreviations and acronyms

*Green from the Ground Up* Simon and Schuster

A stunning, full-color showcase of the latest innovations in sustainable architecture and eco-friendly design, featuring thirty-five diverse homes. Today's architects, designers, building craftsman, and homeowners are becoming more environmentally conscious, choosing eco-friendly living spaces with small carbon footprints that are built with sustainable materials. New Eco Homes explores various aspects of modern eco design, from its environmental and economical benefits, to factors considered when choosing materials: how much energy went into manufacturing the product, whether it is long lasting, and whether it can be recycled or safely disposed of as it eventually

breaks down. It also examines important details involved in building, such as climate regulation, drainage systems, and regional planning. Each of the thirty-five projects contain photographs, floor plans, and detailed drawings that illustrate certain sustainable features, revealing how much the parameters of ecological design have expanded in just a few short years. New Eco Homes includes an introductory interview with an international specialist in green building, site plans, architectural drawings, and a complete directory of resources. Combining concern for the environmental with aesthetic sensibility, it is an essential resource for architects, designers, and homeowners interested in creating warm and inviting homes that are not only beautiful to inhabit, but help protect and conserve our natural environment as well.

**Reusable and Sustainable Building Materials in Modern Architecture** IGI Global

A stunning, full-color showcase of the latest innovations in sustainable architecture and eco-friendly design, featuring thirty-five diverse homes. Today's architects, designers, building craftsman, and homeowners are becoming more environmentally conscious, choosing eco-friendly living spaces with small carbon footprints that are built with sustainable materials. New Eco Homes explores various aspects of modern eco design, from its environmental and economical benefits, to factors considered when choosing materials: how much energy went into manufacturing the product, whether it is long lasting, and whether it can be recycled or safely disposed of as it eventually breaks down. It also examines important details involved in building, such as climate regulation, drainage systems, and regional planning. Each of the thirty-five projects contain photographs, floor plans, and detailed drawings that illustrate certain sustainable features, revealing how much the parameters of ecological design have expanded in just a few short years. New Eco Homes includes an introductory interview with an international specialist in green building, site plans, architectural drawings, and a complete directory of resources. Combining concern for the environmental with aesthetic sensibility, it is an essential resource for architects, designers, and homeowners interested in creating warm and inviting homes that are not only beautiful to inhabit, but help protect and conserve our natural environment as well.

**Designing the Sustainable School** Bloomsbury Publishing

In this timely book, author Marcus Fairs helps readers understand the shift of green design from marginal to mainstream by featuring products and buildings that address immediate concerns about global warming and environmental degradation. Through vast architectural projects to modest one-off pieces of salvaged furniture, the book shows how the design world is responding to the environmental challenges of this century. Author Fairs demonstrates key developments in sustainable design as seen in lighting, houseware, furniture, textiles, products, interiors, architecture, and transportation, including the innovative use of fuel-cell technologies and ultra-lightweight materials. The book shows how the introduction of eco-friendly materials is changing the products around us and charts the rise of low-energy lighting sources and their impact on lighting design. Emerging trends in green design are also covered, from recycling (reusing existing objects to create new products) to ethical sourcing (ensuring products come from sustainable sources). By presenting existing green innovations as well as visionary projects, *Green Design* paints a bright future in which technology and ethics merge for the benefit of people and the planet.

**Green Building** North Atlantic Books

A guide to how prefabrication can assist those looking to build an energy-efficient home that won't break the bank. Prefabulous and Sustainable dispels the negative myths associated with prefab homes and shows the reader how beautiful and remarkably green these homes can be. In this unique, hands-on guide for homebuilders, author Sheri Koonen showcases twenty-five examples of how factory-built homes can be greener, more efficient, sturdier, and even more cost-effective than site-built homes. This practical manual gives you all the tools needed to customize a sustainable, prefab home at an affordable price. Koonen outlines the materials, strategies, and systems used to create a sustainable living environment. Stunning photography and user-friendly floor plans and resource guides prove that green living is not as complicated as one might think—and is attainable for everyone. Praise for *Prefabulous + Sustainable* "Authoritative and beautiful. Once again, Koonen builds her case for pre-fab thoroughly, and presents it in a compelling, well-organized package." —Allen Norwood, NAREE Book Competition Head Judge "[Prefabulous + Sustainable] will soon become required reading for anyone interested in quality housing for the twenty-first century." —Bob Berkebile, Fellow of the American Institute of Architects

Braun Publishing

When it comes to architecture, there has been a focus on sustainable buildings and human well-being in the built environment. Buildings should not only be environmentally friendly and sustainable, but dually focused on human health, wellness, and experience. This includes considerations into the quality of buildings, ranging from ventilation to thermal comfort,

along with environment considerations such as energy usage and material selection. Specific architectural choices and design for buildings can either contribute to or negatively impact both society and the environment, leading research in the field of architecture to be focused on environmental and societal well-being in accordance with the built environment. The *Research Anthology on Environmental and Societal Well-Being Considerations in Buildings and Architecture* focuses on how the built environment is being constructed to purposefully enhance societal well-being while also maintaining green standards for environmental sustainability. On one side, this book focuses on the specific building choices that can be made for the purpose of human well-being and the occupants who will utilize the building. On the other side, this book also focuses on environmental sustainability from the standpoint of green buildings and environmental concerns. Together, these topics allow this book to have a holistic view of modern architectural choices and design. This book is essential for architects, IT professionals, engineers, contractors, environmentalists, interior designers, civil planners, regional government officials, construction companies, policymakers, practitioners, researchers, academicians, and students interested in architecture and how it can promote environmental and societal well-being.

*Strategies for Sustainable Architecture* Routledge

Having designed more than 75 K-12 school projects, and with a long-standing commitment to sustainability and a passion for architecture, Alan Ford is perfectly positioned to present this illuminating collection of sustainable school projects from around the world. *Designing the Sustainable School* is a compendium of ideas illustrating how some very talented architects and committed facility planners are meeting the challenge of creating better schools for the 21st century. They are creating schools that are eco-friendly, embody high-performance design principles, are rich in architectural character, and enhance the health and well-being of students and teachers. The projects represent a wide range of design solutions, aesthetics, location, and scale, ranging in size from the Aga Khan Award-winning three-room schoolhouse in Burkina Faso by Diebedo Francis Kere, to the 2500-student, 260,000-square-foot high school in Santa Ana, California by LPA Architects. Each of the 45 featured projects is presented with an overview of the components of the high-performance "tool kit" employed by architects to achieve sustainable design goals. Collectively, these demonstrate the breadth of tools that today's architects can employ to build a sustainable future for our children.

*Understanding Sustainable Architecture* Monsa Publications

"The facade is like the skin of a building, showing the exterior image and composition of the building. From the perspective of environmental protection, *Eco-Friendly Building Facade* provides readers with numerous building facade cases. Each case follows the eco-friendly principles, such as daylighting, shading, ventilation, low consumption, noise reduction, rainwater collection, prefabrication and high flexibility. All of them are accompanied by detailed graphic information to interpret the design details of the facade. Peter Luger, a professor of architecture from Germany, is invited to write the preface of this book and express his unique views on sustainable design. Professor Peter Luger, with over 20 years of experience, is a certified passive house designer. He's office has made outstanding contributions in the field of low energy consumption and sustainable building design, three of which have obtained the German national sustainable building certification. Environmental protection is the focus of future architectural design, and environmental protection facade will become the top priority. This book collects the detailed knowledge of eco-friendly building façade to introduce what the façade is, what features do eco-friendly façades have, and how to apply them in the projects. Each case is interpreted in depth from two aspects: project brief and key points which focus on the role and application of façade in environmental protection, such as the choice of building orientation, material composition, energy saving facilities and other points to be considered. It is a useful reference work for readers in the architectural field. Wide range of building types, from common building like office, performance centers, residential and commercial buildings to uncommon buildings like parking lots and memorials. The highly authoritative works are selected from famous architects and national public projects, such as Daiwa Ubiquitous Computing Research Building and Aix En Provence Conservatory of Music designed by Kengo Kuma, Helios Building (the head offices of the National Solar Energy Institute) supported by government. Most of projects were received the Gold Medal for World Green Design Award." -- artpower.com.cn. **The Philosophy of Sustainable Design** National Geographic Books "Prefabricated architecture is turning into an important trend in the world of contemporary design. The modularity allows for greater design flexibility and makes them more affordable. Nowadays, architectural projects made with recycled loading containers are becoming increasingly popular and, considering the need for more sustainable construction, increasingly necessary. This book presents 14 Eco-Friendly architectural projects committed to environmental conservation based on sustainable construction, featuring prefabricated homes made of

wood, steel, etc., as well as container homes."--Page 4 of cover.

**Building a Sustainable Home** Images Publishing

The green building movement has produced hundreds of "how-to" books and websites that are filled with tips about green building and what homeowners should do to go green. While helpful and informative, when it comes to making actual purchasing and installation decisions, these books do not make it any easier for a homeowner to prioritize against a budget. Here, Schifman shares

her knowledge and experience for others to use in their journey toward a greener way of living. Whether the reader is building a new home or doing a minor remodel, a homeowner needs a framework by which to guide their decisions. These decisions are based on values, and the author posits that there are really only three reasons to go green: For Our Health: By building more sustainably, we reduce our exposure to harmful chemicals and toxins. For Our Wealth: By building a more durable home and

being more efficient with resources like water and electricity, we reduce our monthly utility bills and ongoing maintenance expenses. For Our Soul: Collectively doing the right thing for our planet does make a difference—and that is soul-nourishing. Learn the logistics of choosing windows, insulation, appliances, and lighting. Find out about FSC certified wood and about using reclaimed materials. Here is everything you need to make your home sustainable.

Best Sellers - Books :

- [Dog Man: Twenty Thousand Fleas Under The Sea: A Graphic Novel \(dog Man #11\): From The Creator Of Captain Underpants](#)
- [It Starts With Us: A Novel \(2\) \(it Ends With Us\) By Colleen Hoover](#)
- [Demon Copperhead: A Pulitzer Prize Winner By Barbara Kingsolver](#)
- [Bluey And Bingo's Fancy Restaurant Cookbook: Yummy Recipes, For Real Life By Penguin Young Readers Licenses](#)
- [The Alchemist, 25th Anniversary: A Fable About Following Your Dream By Paulo Coelho](#)
- [Verity](#)
- [I Love You To The Moon And Back By Amelia Hepworth](#)
- [Icebreaker: A Novel \(the Maple Hills Series\) By Hannah Grace](#)
- [Oh, The Places You'll Go!](#)
- [Girl In Pieces By Kathleen Glasgow](#)