

## Green Building Handbook Volume 2

Construction Technology 1: House Construction is a widely used and popular textbook designed specifically to support the study of domestic house construction at undergraduate degree and HNC/HND level. This third edition has been thoroughly revised to reflect new technology and construction methods. Its student-friendly layout and features take you through each step of the building process from planning to internal finishes. Construction Technology 1: House Construction • has a clear and accessible text structure for ease of use, with each chapter including definitions of key terms, review tasks and reflective summaries • features a wealth of case studies drawn from real-life building sites • includes comparative studies that allow critical evaluation of different build details or design solutions • includes an entirely new chapter on sustainable construction • uses an enhanced page layout, with improved figures and new photos, including a new plate section of colour photos A companion website featuring photographs and outline answers to the review tasks can be found at: www.palgrave.com/engineering/riley1
“Our current environmental crises—most notably, climate change—call on us to upgrade to a new way of life that will sustain us and our world far into the future. When you read this timely, accessible, and thought-provoking book, you will discover: We already have the capacities and tools to create a health and environmental revolution; Specific actions you and I can take now that will help us and our world prosper -- not just in the future, but immediately; How the strategies shared in this book can uplift our society and democracy; Why creating a high-tech and high-mature way of life could spark an economic boom ... Through science and stories, Our Earth, Our Species, Our Selves makes the case for hope, optimism, and practical solutions we can take individually and collectively to green our technology, green our economy, strengthen our democracy, and create social equality.”--Page 4 of cover.

The Structural Engineer's Pocket Book British Standards Edition is the only compilation of all tables, data, facts and formulae needed for scheme design to British Standards by structural engineers in a handy-sized format. Bringing together data from many sources into a compact, affordable pocketbook, it saves valuable time spent tracking down information needed regularly. This second edition is a companion to the more recent Eurocode third edition. Although small in size, this book contains the facts and figures needed for preliminary design whether in the office or on-site. Based on UK conventions, it is split into 14 sections including geotechnics, structural steel, reinforced concrete, masonry and timber, and includes a section on sustainability covering general concepts, materials, actions and targets for structural engineers.

Building pathology provides an interdisciplinary approach to the study of defects and performance in order to develop appropriate remedial and management solutions. It considers how the structure and materials of a building relate to its environment, its occupants and the way the building is used, so as to develop a better understanding of building failures. This book provides a well illustrated introduction to the discipline of building pathology, bridging the gap between current approaches to the surveying of buildings and the detailed study of defect diagnosis, prognosis and remediation. It features a number of case studies and a detailed set of references and further reading. This second edition has been updated to reflect changes in legislation, guidance and construction, and provides new case studies that demonstrate the breadth and depth of the subject.

"Learning how to construct more environmentally friendly buildings is increasingly a commercial and legal necessity. This new handbook provides a detailed reference for environmentally concerned purchasers of building products, complementing the Green Building Handbook Volume 1." "Invaluable for the specifier, this companion handbook will be useful to all those interested in finding greener ways of designing and making buildings."--Jacket.

Functions as a Day-to-Day Resource for Practicing Engineers... The hugely useful Structural Engineer's Pocket Book is now overhauled and revised in line with the Eurocodes. It forms a comprehensive pocket reference guide for professional and student structural engineers, especially those taking the IStructE Part 3 exam. With stripped-down basic material—tables, data, facts, formulae, and rules of thumb—it is directly usable for scheme design by structural engineers in the office, in transit, or on site. ...And a Core Reference for Students It brings together data from many different sources, and delivers a compact source of job-simplifying and time-saving information at an affordable price. It acts as a reliable first point of reference for information that is needed on a daily basis. This third edition is referenced throughout to the structural Eurocodes. After giving general information and details on actions on structures, it runs through reinforced concrete, steel, timber, and masonry. Provides essential data on steel, concrete, masonry, timber, and other main materials Pulls together material from a variety of sources for everyday work Serves as a first point of reference for structural and civil engineers A core structural engineering book, Structural Engineer's Pocket Book: Eurocodes, Third Edition benefits both students and industry professionals.

EFT (Emotional Freedom Technique) is used by an estimated 10 million people worldwide. Yet a lack of standardization has led to a field in which dozens of forms of EFT, with varying degrees of fidelity to the original, can be found. This led to the establishment of Clinical EFT, the form of EFT taught in the original EFT Manual and associated materials, and validated in over 20 clinical trials. In this volume, the most noted scholars, researchers and clinicians in the field compile a definitive outline of the EFT protocol, as it is applied in medicine, psychiatry, psychotherapy, and life coaching. This volume covers • Integrative Medical Settings • Special Populations (such as Children, Veterans, Addicts) • Sports and Business Performance • Innovations in EFT. These handbooks are essential reading for anyone wishing to understand EFT as validated in research, science, and best clinical practice.

Construction Technology 2: Industrial and Commercial Building is a widely used and popular textbook designed specifically to support the study of industrial and commercial building technology at undergraduate degree and HNC/HND level. This second edition has been thoroughly revised to reflect new technology and construction methods. Key features include: • Clear and accessible text structure for ease of use • Unique pedagogical features including comparative studies, case studies and review tasks • New material on sustainability, including green and intelligent buildings • Updated for new building regulations • Enhanced page layout, with improved figures and new photos A companion website featuring extra photographs and other additional material can be found at: www.palgrave.com/science/engineering/riley2 This volume builds on the subject matter introduced in Construction Technology 1: House Construction, but is also valuable as a standalone text. Mike Riley is Director and Alison Cotgrave is Deputy Director of the School of the Built Environment, Liverpool John Moores University, UK. Both have extensive experience of teaching Construction Technology at undergraduate and postgraduate level.

**Residential Landscape Sustainability**

**101 Rules of Thumb for Sustainable Buildings and Cities**

**Survey and Repair of Traditional Buildings**

**Practice of Climate Change Communication**

**The Oxford Handbook of International Antitrust Economics**

**Green Building Handbook: Volume 2**

**Design, Instrumentation, and Controls**

**A Guide to Building Products and their Impact on the Environment**

**Routeledge Handbook of Sustainable and Resilient Infrastructure**

**Ecopolis.**

*Environmentally responsible building involves resolving many conflicting issues and requirements. Each stage in the design process from the fundamental decisions about what, where and even whether to build has implications for the environment. Evolving out of the success of Green Building Digest, a publication described by Building Design as well-researched, authoritative and exhaustive, this practical new handbook considers the environmental issues which relate to the production, use and disposal of key building products and materials. It is designed to help specifiers and purchasers gain awareness of the potential environmental impact of their decisions. Chapter by chapter Green Building Handbook looks at a different sector of the trade from flooring to roofing, comparing the environmental effects of commonly available products with less well known green alternatives. A Best Buy section then ranks these products from lowest to highest impact.*

*How can you tell if the materials and components you are specifying have a low environmental impact? A full life-cycle assessment is a complex, time-consuming and expensive process; the environmental ratings summarised in this Guide provide a quick and easy way for designers and specifiers to assess their options. The relative environmental performance of over 250 materials and components have been assessed in this guide, using carefully researched, quantitative data derived from the BRE Environmental Database. A wide range of alternative specifications are provided for: walls floor systems floor finishes roofs windows doors ceilings paints insulation and more. The performance is measured against a range of environmental impacts including climate change toxicity fossil fuel and ozone depletion levels of emissions and pollutants mineral and water extraction. Environmental performance is indicated by a simple to use A-B-C rating system. To further aid specifiers, guidance on capital costs, typical replacement intervals and information on recycling is also provided for each material and component. An important part of BRE/EAM, the BRE's widely accepted scheme to improve the environmental performance of buildings, The Green Guide to Specification is an essential tool for architects, surveyors, building managers and property owners seeking to reduce the environmental impacts of building materials through informed choice.*

*Many books have covered the topics of architecture, materials and technology. 'New Architecture and Technology' is the first to explore the interrelation between these three subjects. It illustrates the impact of modern technology and materials on architecture. The book explores the technical progress of building showing how developments, both past and present, are influenced by design methods. It provides a survey of contemporary architecture, as affected by construction technology. It also explores aspects of building technology within the context of general industrial, social and economic developments. The reader will acquire a vocabulary covering the entire range of structure types and learn a new approach to understanding the development of design.*

*Ebook Volume 2 of 3: A comprehensive, state-of-the-art guide to site planning, covering planning processes, new technologies, and sustainability, with extensive treatment of practices in rapidly urbanizing countries. Ebook Volume 2 of 3: Cities are built site by site. Site planning—the art and science of designing settlements on the land—encompasses a range of activities undertaken by architects, planners, urban designers, landscape architects, and engineers. This book offers a comprehensive, up-to-date guide to site planning that is global in scope. It covers planning processes and standards, new technologies, sustainability, and cultural context, addressing the roles of all participants and stakeholders and offering extensive treatment of practices in rapidly urbanizing countries. Kevin Lynch and Gary Hack wrote the classic text on the subject, and this book takes up where the earlier book left off. It can be used as a textbook and will be an essential reference for practitioners. Site Planning consists of forty self-contained modules, organized into five parts: The Art of Site Planning, which presents site planning as a shared enterprise; Understanding Sites, covering the components of site analysis; Planning Sites, covering the processes involved; Site Infrastructure, from transit to waste systems; and Site Prototypes, including housing, recreation, and more. Each module offers a brief introduction, covers standards or approaches, provides examples, and presents innovative practices in siders. The book is lavishly illustrated with 150 photographs, diagrams, and examples of practice.*

*Gillan Hale was born to free parents, and his life was untouched by slavery until his preacher father took him on a trip to minister to the Virginia slaves. Gillan went beautiful Queen Esther from the moment he sees her, but the only way to purchase her is by distilling illicit whiskey—against his family’s advice. Though Gillan achieves his aim, his talent for making fine whiskey earns the wrath of jealous white neighbors, who kidnap Gillan’s family and scatter them to plantations throughout the South. Gillan escapes from his new owners, yet he can never be truly free until he finds his lost loved ones, and faces the legacy of his own rash decisions. The Knees of Gullah Island follows Gillan, Queen Esther and their son, Joseph, in the years surrounding the Civil War and Reconstruction, when the destiny of a nation hung in the balance. Filled with richly drawn characters and details that bring the past to vibrant life, this is a timeless story of love, loss, hope and rebirth.*

*Buildings and construction are a major contributor to the climate and biodiversity emergency. They account for nearly 40% of energy-related carbon dioxide (CO2) emissions. It is more important than ever for architects to design responsibly and create low-carbon, low-energy buildings for a sustainable future. 101 Rules of Thumb sets out the essential elements of low-energy architecture in a fresh, intuitive way. Where ever-changing technology and complex legislation can cloud the designer’s thought-process, this book equips you with the fundamentals you need to minimise CO2 emissions, design for low-energy use and work with, not against, the forces of nature. With reliable, simple rules of thumb, each page focuses on a single piece of guidance along with a clear hand-drawn illustration. The emphasis is on passive low-energy principles, and the rules of thumb cover all the design fundamentals from site and location to orientation and form, peppered with ideas to help the designer think outside the box, drawing inspiration from traditional methods, photoperiodic plants, and the black-tailed prairie dog. An extended, fully updated narrative bibliography explores the sources in detail and provides a valuable springboard for further study. Applicable throughout the world in any climate region, 101 Rules of Thumb is a global primer to be dipped into at any time as a quick means of reference on what’s important when designing a new or retrofitted low-energy building. The rules cover: Site and location Orientation and form The low-energy building envelope Carbon-free heating, cooling, and lighting Passive low-energy principles.*

*Heating and Cooling of Buildings: Principles and Practice of Energy Efficient Design, Third Edition is structured to provide a rigorous and comprehensive technical foundation and coverage to all the various elements inherent in the design of energy efficient and green buildings. Along with numerous new and revised examples, design case studies, and homework problems, the third edition includes the HCB software along with its extensive website material, which contains a wealth of data to support design analysis and planning. Based around current codes and standards, the Third Edition explores the latest technologies that are central to design and operation of today’s buildings. It serves as an up-to-date technical resource for future designers, practitioners, and researchers wishing to acquire a firm scientific foundation for improving the design and performance of buildings and the comfort of their occupants. For engineering and architecture students in undergraduate/graduate classes, this comprehensive textbook:*

*People across the world are becoming more aware of the need for the buildings and cities they live and work in to be sustainable, but the issue of how to be sustainable can seem a confusing and complex one. These rules of thumb provide universal guidelines for the sustainable design of both buildings and the urban realm. It’s a global primer and textbook for anyone interested in understanding sustainability in the built environment, an ideal starting point for students as well as an aide memoir for more experienced readers and practitioners interested in this field.*

**Principles for Evaluation**

**Green Building Handbook**

**A Checklist Tool**

**The Book of Life**

**Traditional Construction for a Sustainable Future**

**Landscape and Sustainability**

**Our Earth, Our Species, Our Selves**

**Fundamentals of Integrated Design for Sustainable Building**

**Materials for a Healthy, Ecological and Sustainable Built Environment**

**Green Wings Sketchbook**

**Building with Reclaimed Components and Materials**

This unique book addresses the issue of sustainability from the point of view of landscape architecture, dealing with professional practices of planners, designers and landscape managers. This second edition contains updated and new material reflecting developments during the last five years and comprehensively addresses the relationship between landscape ecology and sustainability. Much in the text is underpinned by landscape ecology, in contrast to the idea of landscape as only appealing to the eye or arising cerebrally to be fine art. Landscape and Sustainability establishes that the sustainability agenda needs a new mindset among professionals: the driving question must always be ‘is it sustainable?’ Developing theory into practice, from the global to the local scale and from issues of policy and planning through to detailed design and implementation and on to long-term maintenance and management, the contributors raise and re-examine a complex array of research, policy and professional issues and agendas to contribute to the necessary ongoing debate about the future of both landscape and sustainability.

Principles for Evaluating Building Materials in Sustainable Construction: Healthy and Sustainable Materials for the Built Environment provides a comprehensive overview of the issues associated with the selection of materials for sustainable construction, proposing a holistic and integrated approach. The book evaluates the issues involved in choosing materials from an ecosystem services perspective, from the design stage to the impact of materials on the health of building users. The three main sections of the book discuss building materials in relation to ecosystem services, the implications of materials choice at the design stage, and the impact of materials on building users and their health. The final section focuses on specific case studies that illustrate the richness of solutions that existed before the rise of contemporary construction and that are consistent with a sustainable approach to creating built environments. These are followed by modern examples which apply some, if not all, of the principles discussed in the first three sections of the book. Provides a holistic and integrated approach to the issues associated with the selection of materials for sustainable construction Provides a thorough understanding of ecosystem services based on ecology research for built environment design Provides an original review of the impact of materials on human health Provides case studies to illustrate the points above

More than any other area of regulation, antitrust economics shapes law and policy in the United States, the Americas, Europe, and Asia. In a number of different areas of antitrust, advances in theory and empirical work have caused a fundamental reevaluation and shift of some of the assumptions behind antitrust policy. This reevaluation has profound implications for the future of the field. The Oxford Handbook of International Antitrust Economics has collected chapters from many of the leading figures in antitrust. In doing so, this two volume Handbook provides an important reference guide for scholars, teachers, and practitioners. However, it is more than a merely reference guide. Rather, it has a number of different goals. First, it takes stock of the current state of scholarship across a number of different antitrust topics. In doing so, it relies primarily upon the economics scholarship. In some situations, though, there is also coverage of legal scholarship, case law developments, and legal policies. The second goal of the Handbook is to provide some ideas about future directions of antitrust scholarship and policy. Antitrust economics has evolved over the last 60 years. It has both shaped policy and been shaped by policy. The Oxford Handbook of International Antitrust Economics will serve as a policy and research guide of next steps to consider when shaping the future of the field of antitrust.

This valuable resource for developers and designers will help to develop design solutions sympathetic to the environment and improve the sustainability of residential landscapes. The landscapes around housing have a crucial role in creating a more sustainable future with carbon-neutral homes. This book shows how to improve the sustainable profile of new residential developments through landscape planning, design and management - by conserving resources and minimising pollution, and by enhancing ecological diversity. This may be achieved without significant additional capital outlay. The residential landscape sustainability checklist gives housing developers, landscape architects, architects and planners a tool with which to assess the environmental implication of their schemes throughout the design process - from site planning to detailed design. The checklist focuses on residential housing developments but many features of the tool - including improving energy efficiency, materials selection, planting design and management - can also be applied to a wide range of different types of development, from school grounds to retail parks.

This key handbook provides a detailed reference for environmentally concerned purchasers of building products, and complements the Green Building Handbook Vol 1. Following the format of the original, this book discusses current issues in green building before moving on to consider eight building component types: fencing products, flat roofing membranes, glazing products, electrical wiring, adhesives, straw bale building, interior decoration and indoor air quality and ventilation. Invaluable for the specifier, this companion handbook will be useful to all those interested in finding greener ways of designing and making buildings.

The first textbook in sustainable construction bringing together the whole range of topics from planning through to facilities management in an accessible and engaging way, and complete with illustrations and photographs. Written by experts and including real-world case studies, this book can be used as a core text or across several modules.

To best serve current and future generations, infrastructure needs to be resilient to the changing world while using limited resources in a sustainable manner. Research on and funding towards sustainability and resilience are growing rapidly, and significant research is being carried out at a number of institutions and centers worldwide. This handbook brings together current research on sustainable and resilient infrastructure and, in particular, stresses the fundamental nexus between sustainability and resilience. It aims to coalesce work from a large and diverse group of contributors across a wide range of disciplines including engineering, technology and informatics, urban planning, public policy, economics, and finance. Not only does it present a theoretical formulation of sustainability and resilience but it also demonstrates how these ideals can be realized in practice. This work will provide a reference text to students and scholars of a number of disciplines.

This comprehensive handbook 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, 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 up 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.

**How to Thrive While Creating a Sustainable World**

**Architecture Today**

**The Green Guide to Specification**

**Clinical EFT Handbook**

**New Architecture and Technology**

**International Practice**

**An Environmental Profiling System for Building Materials and Components**

**Global Shipbuilding Industry Handbook Volume 2. Eastern Europe - Strategic Information and Contacts**

**The Knees of Gullah Island**

**Structural Engineer's Pocket Book**

**Aquarian**

**2011 Updated Reprint. Updated Annually. Korea South Energy Policy, Laws and Regulation Handbook**

**Interest in green and sustainable design is growing throughout the world. Both national and local governments are active in promoting reuse and recycling in order to reduce the amount of waste going to landfill. This guide identifies how building designers and constructors can minimize the generation of waste at the design stage of a building project by using reclaimed components and materials. Authoritative, accessible and much-needed, this book highlights the opportunities for using reclaimed components and materials and recycled-content building products for each element of a building, from structure and foundations to building services and external works. Current experience is illustrated with international case studies and practical advice. It discusses different approaches to designing with recycling in mind, and identifies the key issues to address when specifying reclaimed components and recycled materials in construction work. This book will be invaluable for building professionals including architects, specifiers, structural and service engineers, quantity surveyors, contractors and facilities managers as well as students of architecture and civil engineering. Published with NEF**

**This comprehensive handbook provides a unique overview of the theory, methodologies and best practices in climate change communication from around the world. It fosters the exchange of information, ideas and experience gained in the execution of successful projects and initiatives, and discusses novel methodological approaches aimed at promoting a better understanding of climate change adaptation. Addressing a gap in the literature on climate change communication and pursuing an integrated approach, the handbook documents and disseminates the wealth of experience currently available in this field. Volume 2 of the handbook provides a unique description of the theoretical basis and of some of the key facts and phenomena which help in achieving a better understanding of the basis of climate change communication, providing an essential basis for successful initiatives in this complex field.**

**Full coverage of electronics, MEMS, and instrumentation and control in mechanical engineering This second volume of Mechanical Engineers' Handbook covers electronics, MEMS, and instrumentation and control, giving you accessible and in-depth access to the topics you'll encounter in the discipline: computer-aided design, product design for manufacturing and assembly, design optimization, total quality management in mechanical system design, reliability in the mechanical design process for sustainability, life-cycle design, design for remanufacturing processes, signal processing, data acquisition and display systems, and much more. The book provides a quick guide to specialized areas you may encounter in your work, giving you access to the basics of each and pointing you toward trusted resources for further reading, if needed. The accessible information inside offers discussions, examples, and analyses of the topics covered, rather than the straight data, formulas, and calculations you'll find in other handbooks. Presents the most comprehensive coverage of the entire discipline of Mechanical Engineering anywhere in four interrelated books Offers the option of being purchased as a four-book set or as single books Comes in a subscription format through the Wiley Online Library and in electronic and custom formats Engineers at all levels will find Mechanical Engineers' Handbook, Volume 2 an excellent resource they can turn to for the basics of electronics, MEMS, and instrumentation and control.**

**Now in its 3rd edition, the bestselling Ecohouse continues to be both a technical guide and an inspiration for thousands of architects, designers and eco-builders all over the world. As the need to slow climate change becomes increasingly urgent, growing numbers of people are looking to dramatically reduce the carbon footprint of their buildings by using more ecologically sound techniques. Ecohouse provides design information about the latest low-impact materials and technologies, showcasing the newest and best 'green' solutions with international case studies demonstratng sustainable design in action around the world. This edition has been expanded to include advice on powering Ecohouses using renewable energy - including wind, micro hydro and heat pumps - and an introduction to low impact building materials such as lime, earth and hemp. New case studies from across the globe have been added to inspire readers with real life examples of how to make an Ecohouse work Just reading this book won't save the world from the impact of climate change - but if everyone from governments down to householders followed its advice we might just begin to turn the tide. Additional audience: Eco-enthusiasts and green self-builders will appreciate the handy hints and references on refurbishment and advice on how to kit out their Ecohouse with the greenest appliances and fittings. Lecturers and students on sustainable design and construction courses will find the latest real-world case studies fascinating and a great source of inspiration for their studio project work.**

**Understanding the unique requirements of traditional buildings is crucial to providing appropriate guidance on their care and repair. This book will help practitioners identify the particular issues relating to older buildings and the problems they may encounter when surveying and repairing them. With the use of examples, the author provides invaluable information on how traditional buildings perform, emphasizing the need for a sensitive and sustainable approach which also takes account of the specific needs of the building. The book examines all aspects to be included in any assessment for survey and repair, and points out in detail the potential pitfalls. It also explores the controversial issues surrounding the treatment of damp and timber decay, advocating solutions that are appropriate to older buildings rather than using standard, often damaging, methods of treatment. The extensive case studies not only illustrate good conservation in practice but also how projects can go badly wrong, and how mistakes could have been avoided. This title explores the causes of movement and the actions required. It advises on alternatives to chemical treatment for damp and timber decay. It provides fully illustrated case studies with numerous photographs. It emphasizes a sustainable approach to conservation. It outlines the key legislation issues. It includes the Historic Buildings Protection Fines Database and other useful appendices.**

**Killian knows all about vampires and aliens. They're not real. But when a handsome swimmer climbs into her storm-tossed boat an hour from her summer destination, the worlds of fantasy and reality suddenly collide... Cutleya Island has no mall, no social scene, and no action. But it does have a mysterious stone tower, ageless islanders, and a secret as astonishing as a mermaid's tale... Before the summer is through, Killian will find the truth of her family's past...and the role she is destined to play in a centuries-old curse.**

**[View other cover designs by searching the Series Title or just the Title.] Product quality is higher than shown in store-created imagery. Carry and use this 8.5x11 sketchbook for sketches, drawings, watercolors, diagrams, sports play book, scrapbook, field notes, mapping, designs, logs, etc. Yes, it can serve any of these needs and more. 150+ blank pages with light gray page numbers. Also includes: blank field title page to fill in 3-page double-column blank table of contents HIGH GLOSS FINISH for extra protection on the go See other designs available from "N.D. Author Services" (NDAuthorServices.com) in its multiple series of 600, 365 or 150 page Mega-Journals, Journals, Notebooks, Sketchbooks, etc. Many available in Blank, Grid, Hex, Lined, Meeting, Planner and other interior formats. Over 10,000 individual variations across pg. count + cover design + interior format as of 2018.**

**A Design Handbook for Reuse and Recycling**

**Green Building Handbook: Volume 1**

**Construction Technology 2: Industrial and Commercial Building**

**Site Planning, Volume 2**

**A Guide to Building Products and Their Impact on the Environment**

**A Conservation and Sustainable Approach**

**Structural Engineer's Pocket Book British Standards Edition**

**Eurocodes, Third Edition**

**Sketch Book Notebook**

**Building Pathology**

**Total Sustainability in the Built Environment**

Subtitled 'A manual for her house' for energy efficiency. Here she reveals the concepts, structures and techniques that lie behind the realization of her ideals. By using her own house as a case study, Roof guides the reader through the ideas for energy-efficient design or 'eco-design'. Now in its fourth edition, the bestselling Ecohouse continues to be both a technical guide and an inspiration for thousands of architects, designers and eco-builders all over the world. Ecohouse provides design information about the latest low-impact materials and technologies, showcasing the newest and best 'green' solutions. Revised and updated, this edition also includes new case studies inspiring readers with more real-life examples of how to make an ecohouse work.

Since the spread of classical design and construction amongst the upper echolons of British society in the late seventeenth century, traditional construction methods have largely fallen by the wayside. Centuries later, as the construction industry faces up to its environmental responsibilities, this book explores its rich and ancient tradition to provide tried and trusted solutions to modern day construction problems. By way of introduction, the ancient and historical lifestyles that dictated the nature of traditional construction are explored, before focusing on its health and ecological benefits. As well as cultural background, this book includes a detailed scientific description of traditional building materials and their constituents which draws a sharp contrast with modern petrochemical-based materials. The studies of traditional buildings included reveal the sustainability of features such as natural ventilation and breathing walls, and comparisons with modern construction methods show how they could prevent 'sick building syndrome'. The author argues that maintenance for long life, by contrast with the modern concept of life-cycle costing, is at the nub of sustainability and underlies the contribution traditional building construction can make to tackling climate change. Over 250 original photos, and over fifty bespoke diagrams illustrate the features, techniques, and characteristics of traditional construction that could make such a valuable contribution to the industry today. The inclusion of a close study of how these methods relate to British building regulations makes this book a practical guide for construction professionals, as well as an authoritative resource for students and policy-makers.

2011 Updated Reprint. Updated Annually. Global Shipbuilding Industry Handbook, Volume 4.Russia and Eastern Europe This comprehensive handbook provides a detailed, practical guide to understand the design and manufacture of plastic products. It will expand the reader's understanding of plastics technology by defining and focusing on past, current, and future technical trends. The content is presented so that both technical and nontechnical readers can understand the interrelationships of materials to processes. Different plastic products are examined and their related critical factors are shown, from meeting performance requirements in different environments, to reducing costs and targeting for zero defects. Examples used include small to large, and simple to complex shapes. Information is included on static properties (tensile, flexural), dynamic properties (creep, fatigue, impact) and physical and chemical properties. Extensive reference sources and useful data and physical and chemical constants are also provided. Volume 2 offers detailed coverage of most major plastics processing techniques, including injection molding, extrusion, blow molding, and thermforming.

Upton Sinclair, one of America's foremost and most prolific authors, addresses the cultivation of the mind and the body in this 1922 volume. Sinclair's goal was to attempt to tell the reader how to live, how to find health, happiness and success, and how to develop fully both the mind and the body. Part One: The Book of the Mind covers such subjects as faith, reason, morality, and the subconscious. Part Two: The Book of the Body develops such subjects as errors in diet, the fasting cure, food and poisons, work and play, and diseases and their cures .

**Principles and Practice of Energy Efficient Design, Third Edition**

**101 Rules of Thumb for Low-Energy Architecture**

**Ecohouse**

**Korea, South Energy Policy, Laws and Regulation Handbook Volume 1 Strategic Information and Regulations**

**Mechanical Engineers' Handbook, Volume 2**

**Principles and Practice**

