

Journal Of Light Construction Books

Light Perspectives
The Lead Carpenter Handbook
Matter in the Floating World
JLC Field Guide to Residential Construction: The Essential Guide to Roofing
Advanced Framing
JLC Field Guide to Residential Construction
The Business of Design
Iconic Planned Communities and the Challenge of Change
The Everyday Physics of Hearing and Vision
Plant Factory
Nail Your Numbers
JLC Guide to Moisture Control
A Confederacy of Dunces
Daily Construction Log (Logbook, Journal - 124 Pages, 6 X 9)
Sony Design
The JLC Guide to Decks and Porches: Best Practices for Outdoor Spaces
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Running a Successful Construction Company
Collective Light Emission
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The Architecture of Light
Materials, Design and Manufacturing for Lightweight Vehicles
Goodnight, Goodnight Construction Site
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Crafting the Considerate House
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The Nature of Place
Complete Book of Framing
The Essential Guide to Foundations
The Essential Guide to Framing
Hypernatural

Light Perspectives

It can be argued that Japan contains a higher number of internationally significant architects and designers relative to its geographic size than anywhere else in the world. Japanese designers regularly implement radical experiments in new materials and building systems that successfully address imminent energy and resource challenges. These technological achievements are combined with an acute awareness of the ephemerality of existence, creating a rich dialogue between the concrete and the abstract.

The Lead Carpenter Handbook

Provides technical information on foundations, framing, roofing, and exteriors to residential builders and remodelers.

Matter in the Floating World

"Le Corbusier, who famously called a house 'a machine for living,' was fascinated--even obsessed--by another kind of machine, the automobile. His writings were strewn with references to autos. In his 'white phase' of the twenties and thirties, he insisted that his buildings be photographed with a modern automobile in the foreground. Le Corbusier moved beyond the theoretical in 1936, entering (with his cousin Pierre Jeanneret) an automobile design competition,

submitting plans for 'a minimalist vehicle for maximum functionality,' the Voiture Minimum. Despite Le Corbusier's energetic promotion of his design to several important automakers, the Voiture Minimum was never mass-produced. This book is the first to tell the full and true story of Le Corbusier's adventure in automobile design. Architect Antonio Amado describes the project in detail, linking it to Le Corbusier's architectural work, to Modernist utopian urban visions, and to the automobile design projects of other architects including Walter Gropius and Frank Lloyd Wright. The story is supported by many images and documents, including architects' favorite cars, sketches and models of the Voiture Minimum, and copies of Le Corbusier's correspondence with prospective manufacturers."--Dust jacket.

JLC Field Guide to Residential Construction:

This book provides a comprehensive account of developments in the area of lightweight polymer composites. It encompasses design and manufacturing methods for the lightweight polymer structures, various techniques, and a broad spectrum of applications. The book highlights fundamental research in lightweight polymer structures and integrates various aspects from synthesis to applications of these materials. Features Serves as a one stop reference with contributions from leading researchers from industry, academy, government, and private research institutions across the globe Explores all important aspects of lightweight polymer composite structures Offers an update of concepts, advancements, challenges, and

application of lightweight structures Current status, trends, future directions, and opportunities are discussed, making it friendly for both new and experienced researchers.

The Essential Guide to Roofing

Winner of the Pulitzer Prize "A masterwork . . . the novel astonishes with its inventiveness . . . it is nothing less than a grand comic fugue."—The New York Times Book Review A Confederacy of Dunces is an American comic masterpiece. John Kennedy Toole's hero, one Ignatius J. Reilly, is "huge, obese, fractious, fastidious, a latter-day Gargantua, a Don Quixote of the French Quarter. His story bursts with wholly original characters, denizens of New Orleans' lower depths, incredibly true-to-life dialogue, and the zaniest series of high and low comic adventures" (Henry Kisor, Chicago Sun-Times).

Advanced Framing

The Business of Design debunks the myth that business sense and creative talent are mutually exclusive and, unlike other lackluster business books, is written and illustrated to captivate a visually thinking audience. For nearly thirty years, consultant Keith Granet has helped design professionals pursue their passion and

turn a profit. From billing to branding, client management to marketing and licensing, *The Business of Design* reveals the tools necessary to create and run a thriving design business in today's ultra-competitive marketplace.

JLC Field Guide to Residential Construction

The Architecture Of LightBy Sage Russell

The Business of Design

The book is about a search for good places authentic ones and wondering about the disappearance of others. While visiting sixteen unique spots around the world, Friedman wondered what made strolling through, sitting in, dining at, or simply being there memorable. He reflected on the design of markets when he stumbled onto one at the crack of dawn in Dalian, China. He thought about the disappearance of folk art from neighborhoods when walking into a collection of life-sized sculptures in the Canadian arctic. He considered the relationship between cities and their natural environments when visiting Fargo, North Dakota, on a frigid day.

Iconic Planned Communities and the Challenge of Change

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Unlike prior biography and business-focused books on SONY, this is the first illustrated book devoted to the design innovations of the world-recognized brand. Never-before-published prototypes and design concepts make this book the ultimate insider's guide for design enthusiasts, providing readers with another elucidating example of the crucial role design plays in our everyday lives. This is the first book to document over sixty years of innovative designs by Sony, the first trailblazer in personal electronics and pioneer of the legendary and highly successful WALKMAN, Handycam, Cyber-shot, and VAIO brands, among other leading SONY products.

The Everyday Physics of Hearing and Vision

Watch veteran drywaller Myron Ferguson at work and learn all the tricks and techniques he uses to create smooth, unblemished walls and ceilings.

Plant Factory

Despite the ever-growing sophistication of synthetic and digital tools, it's the natural world that captures the imaginations of today's vanguard designers. By looking to nature as a teacher rather than simply as a source for raw materials, pioneers in the emerging biomimicry movement are developing design methods

and materials to create intelligent buildings that emulate life itself. In *Hypernatural* architecture and material experts Blaine Brownell and Marc Swackhamer present an international collection of forty-two case studies that illustrate astonishing new applications possible in this rapidly growing field, from Echoviren, a botanical pavilion that was designed to wilt into its surrounding redwood forest in Northern California, to the MIT Media Lab's Silk Pavilion, constructed by the threads of silkworms as they passed over scaffolding. Together, these projects show that by looking to nature, design can be a tool that makes our built environment more efficient, sustainable, and, most of all, livable.

Nail Your Numbers

Plant Factory: An Indoor Vertical Farming System for Efficient Quality Food Production provides information on a field that is helping to offset the threats that unusual weather and shortages of land and natural resources bring to the food supply. As alternative options are needed to ensure adequate and efficient production of food, this book represents the only available resource to take a practical approach to the planning, design, and implementation of plant factory (PF) practices to yield food crops. The PF systems described in this book are based on a plant production system with artificial (electric) lights and include case studies providing lessons learned and best practices from both industrial and crop specific programs. With insights into the economics as well as the science of PF programs,

this book is ideal for those in academic as well as industrial settings. Provides full-scope insight on plant farm, from economics and planning to life-cycle assessment
Presents state-of-the-art plant farm science, written by global leaders in plant farm advancements
Includes case-study examples to provide real-world insights

JLC Guide to Moisture Control

Learn everything from the basics to the most advanced techniques in roofing. From shingles to tiles to flashings, all types of roofs are covered in this instructional book.

A Confederacy of Dunces

From roof to basement, here's a practical guide for contractors on how to keep moisture out of a house. The editors of The Journal of Light Construction have assembled the best advice from dozens of residential construction experts on foundations and drainage, air and vapor control, exterior cladding, roof systems, and mechanical ventilation. It provides contractors and skilled prosumers with practical details and effective solutions for the kinds of serious moisture problems afflicting today's tighter and better sealed houses. And it includes a comprehensive troubleshooting guide, including advice for dealing with mold and rot.

Daily Construction Log (Logbook, Journal - 124 Pages, 6 X 9)

Laying a solid foundation is a crucial first step in building a new home or adding a new room. Learn how in this complete foundations instructions manual.

Sony Design

This book endeavours to identify terms and standards defining qualities in architectural lighting. It uses this identification to promote communication and aid dialogue between designers and engineers, building owners and planners, professionals and laymen. Its 21 chapters are arranged in three sections covering the actual qualities of light, the relationship between light and space and, finally, the dimension of light in relation to culture. In each chapter, paired terms explore the design dimensions of light. Using texts, photos, computer graphics and drawings, the team of authors investigates each pair of terms. They begin with the original cultural and historical context, move onto didactic material on perception, lighting design and lighting technology and conclude with case studies in virtual architectural situations.

The JLC Guide to Decks and Porches: Best Practices for Outdoor Spaces

In the history of planning, the design of an entire community prior to its construction is among the oldest traditions. *Iconic Planned Communities and the Challenge of Change* explores the twenty-first-century fortunes of planned communities around the world. Drawing on interdisciplinary perspectives, the editors and contributors examine what happened to planned communities after their glory days had passed and they became vulnerable to pressures of growth, change, and even decline. Beginning with Robert Owen's industrial village in Scotland and concluding with Robert Davis's neotraditional resort haven in Florida, this book documents the effort to translate optimal design into sustaining a common life that works for changing circumstances and new generations of residents. Basing their approach on historical research and practical, on-the-ground considerations, the essayists argue that preservation efforts succeed best when they build upon foundational planning principles, address landscape, architecture, and social engineering together, and respect the spirit of place. Presenting twenty-three case studies located in six continents, each contributor considers how to preserve the spirit of the community and its key design elements, and the ways in which those elements can be adapted to contemporary circumstances and changing demographics. *Iconic Planned Communities and the Challenge of Change* espouses strategies to achieve critical resilience and emphasizes the vital connection between heritage preservation, equitable sharing of the benefits of living in these carefully designed places, and sustainable

development. Communities: Bat'ovany-Partizánske, Cité Frugès, Colonel Light Gardens, Den-en Chôfu, Garbatella, Greenbelt, Hampstead Garden Suburb, Jardim América, Letchworth Garden City, Menteng, New Lanark, Pacaembú, Radburn, Riverside, Römerstadt, Sabaudia, Seaside, Soweto, Sunnyside Gardens, Tapiola, The Uplands, Welwyn Garden City, Wythenshawe. Contributors: Arnold R. Alanen, Carlos Roberto Monteiro de Andrade, Sandra Annunziata, Robert Freestone, Christine Garnaut, Isabelle Gournay, Michael Hebbert, Susan R. Henderson, James Hopkins, Steven W. Hurtt, Alena Kubova-Gauché, Jean-François Lejeune, Maria Cristina a Silva Leme, Larry McCann, Mervyn Miller, John Minnery, Angel David Nieves, John J. Pittari, Jr., Gilles Ragot, David Schuyler, Mary Corbin Sies, Christopher Silver, André Sorensen, R. Bruce Stephenson, Shun-ichi J. Watanabe.

The World Is Not a Rectangle

In this brief, accessible volume, the authors — an urban philosopher and a mathematician-physicist — explain the surprising new findings from the sciences that are beginning to transform environmental design in the modern era. Authors Michael Mehaffy and Nikos Salingaros explore fractals, networks, self-organization, dynamical systems and other revolutionary ideas, describing them to non-science readers in a direct and engaging way. The book also examines fascinating new topics of design, including Agile, Wiki, Design Patterns and other “open-source” approaches from the software world. The authors conclude that a profound

transformation is under way in modern design — and today’s students and practitioners will need to be aware of its implications for our future. “Lucidly describes what’s coming in the world of design — and what needs to come.” — Ward Cunningham, Inventor of wiki, and pioneer of Pattern Languages of Programming, Agile, and Scrum “Essential reading for all urban designers.” — Jeff Speck, Author of Walkable City “Brilliant.” — Charles Montgomery, Author of Happy City “Inspired, compelling and fascinating... Recognizes that a true architecture can be dug from the facts, insights, and theories, that occur with a broadening of science to include the human being.” — Christopher Alexander, Author of A Pattern Language and Notes on the Synthesis of Form Some comments on the individual chapters: “Packed with detail and beautiful in presentation.” — Gil Friend “Human society must find a path of retreat. Salingaros and Mehaffy point the way.” — David Brussat, Providence Journal “Michael Mehaffy and Nikos Salingaros have written some brilliant articles on how we can co-create cities which are truly resilient, rather than being ‘engineered resilient’.” — Smallworld Urbanism “For me, this essay was like a flash of insight, and I suddenly saw the world in a new light.” — Oeyvind Holmstad, Permaliv “We’ve just come across a very thoughtful article by Michael Mehaffy and Nikos Salingaros... [who] draw a number of lessons from biological systems and use them to draw conclusions about how resilient human systems must be designed.” — Resilient Design Institute “Salingaros and Mehaffy take us from the configuration of city spaces to the order of cells in living beings.” — Jaap Dawson, Delft Institute of Technology “If you wanted to know

where the cutting edge was in urban design, it is here.” — Patrick J. Kennedy, CarFreeInBigD “This is the single most intelligent and illuminating article I’ve seen on Archdaily in 3 years.” — Nìming Pínglùn Zhě, China Michael Mehaffy is an urbanist and design theorist, and a periodic visiting professor or adjunct in five graduate universities in four countries and three disciplines (architecture, urban planning and philosophy) including the University of Oregon (US) and the University of Strathclyde (UK). He has been a close associate of the architect and software pioneer Christopher Alexander, and a Research Associate with the Center for Environmental Structure, Alexander’s research center founded in 1967. He is currently executive director of Portland, Oregon based Sustasis Foundation, and editor of Sustasis Press. Nikos A. Salingaros is a mathematician and polymath known for his work on urban theory, architectural theory, complexity theory, and design philosophy. He has been a close collaborator of the architect and computer software pioneer Christopher Alexander. Salingaros published substantive research on Algebras, Mathematical Physics, Electromagnetic Fields, and Thermonuclear Fusion before turning his attention to Architecture and Urbanism. He is Professor of Mathematics at the University of Texas at San Antonio and has been on the Architecture faculties of universities in Italy, Mexico, and The Netherlands.

The Jlc Guide to Energy Efficiency

Running a Successful Construction Company

Research into the manufacture of lightweight automobiles is driven by the need to reduce fuel consumption to preserve dwindling hydrocarbon resources without compromising other attributes such as safety, performance, recyclability and cost. Materials, design and manufacturing for lightweight vehicles will make it easier for engineers to not only learn about the materials being considered for lightweight automobiles, but also to compare their characteristics and properties. Part one discusses materials for lightweight automotive structures with chapters on advanced steels for lightweight automotive structures, aluminium alloys, magnesium alloys for lightweight powertrains and automotive structures, thermoplastics and thermoplastic matrix composites and thermoset matrix composites for lightweight automotive structures. Part two reviews manufacturing and design of lightweight automotive structures covering topics such as manufacturing processes for light alloys, joining for lightweight vehicles, recycling and lifecycle issues and crashworthiness design for lightweight vehicles. With its distinguished editor and renowned team of contributors, Materials, design and manufacturing for lightweight vehicles is a standard reference for practicing engineers involved in the design and material selection for motor vehicle bodies and components as well as material scientists, environmental scientists, policy makers, car companies and automotive component manufacturers. Provides a comprehensive analysis of the materials being used for the manufacture of

lightweight vehicles whilst comparing characteristics and properties Examines crashworthiness design issues for lightweight vehicles and further emphasises the development of lightweight vehicles without compromising safety considerations and performance Explores the manufacturing process for light alloys including metal forming processes for automotive applications

Collective Light Emission

Running a small business can be daunting to the contractor whose expertise is in building -- not finance or law. This book helps to demystify the day-to-day challenges that contractors face. Running a Successful Construction Company is acknowledged as the leading book in its field.

Kitchens & Baths

Collective Light Emission: Many quantum emitters covers several recent and essential topics related to collective light emissions from many quantum emitters. Light-matter interactions in quantum systems form one of the complicated dynamical systems. Owing to its complexity, researchers have developed new means and techniques to investigate such systems with better control of parameters and better precision to observe interesting phenomenon. These

advancements provide new insights to this research direction, and this book dives into the recent progress and future of it. The book includes the basic mechanism, well-known super- and sub-radiant phenomena in free space and nanophotonic platform, applications in quantum systems, and perspectives to future directions. Additionally, several updates of this ongoing research and challenges confronted in experiments and theories are included. Key Features A detailed introduction of recent progress of cooperative phenomena of light Stimulating deliberation on distinct features from light-induced atom-atom correlations New angle to the collective radiation Insights to quantum engineering of light Includes future prospective and opportunities

The Architecture of Light

Erecting solid, sturdy rooms requires a skilled hand in framing. This comprehensive guide offers easy-to-follow steps for framing a room and a trouble-shooting section to help avoid common mistakes.

Materials, Design and Manufacturing for Lightweight Vehicles

As the sun sets behind the big construction site, all the hardworking trucks get ready to say goodnight. One by one, Crane Truck, Cement Mixer, Dump Truck,

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Bulldozer, and Excavator finish their work and lie down to rest—so they'll be ready for another day of rough and tough construction play! With irresistible artwork by best-selling illustrator Tom Lichtenheld and sweet, rhyming text, this book will have truck lovers of all ages begging for more. Plus, this is the fixed format version, which will look almost identical to the print version. Additionally for devices that support audio, this ebook includes a read-along setting.

Goodnight, Goodnight Construction Site

Humans receive the vast majority of sensory perception through the eyes and ears. This non-technical book examines the everyday physics behind hearing and vision to help readers understand more about themselves and their physical environment. It begins wit

Plant Physics

Provides technical information on Electrical, Plumbing, HVAC and Energy, and Interiors to residential builders and remodeles.

Design for a Living Planet

Unveil the hidden tricks of a professional roof cutter. Quick layouts, cutting and framing techniques for every type of roof, ceiling and wall imaginable, plus an appendix with key calculations using Construction Master calculator make this an invaluable resource.

Crafting the Considerate House

Find practical engineering and advanced framing techniques for builders and remodelers. Advice on using the latest building materials and methods helps create strong, durable, high-quality structures

Lightweight Polymer Composite Structures

The most comprehensive guide to material selection & installation It takes a wise choice of building materials and details to create durable, attractive, and affordable custom homes and remodeling projects. Best Practices Guide to Residential Construction provides up-to-date, field-tested recommendations that help professionals balance cost and performance when designing and building residential projects. Steven Bliss, former editorial director of The Journal of Light Construction and founding editor of Progressive Builder, draws on his extensive knowledge as a practicing builder, designer, and construction editor to help

building professionals select the right materials for every job and install them with confidence. This one-stop resource covers the real-world challenges of material selection and installation so designers, contractors, and building owners can make informed decisions for all major building components. Useful to architects, designers, and specifiers--as well as contractors, builders, and developers--Best Practices Guide to Residential Construction features: * More than 200 photos and illustrations of critical residential construction details * Installation tips and cautions that help prevent costly product failures * Descriptions of the latest composites and synthetics that are changing the way we build * Easy-to-use charts for making quick product comparisons * An authoritative guide to indoor air quality and healthy house construction

Voiture Minimum

The bestselling step-by-step framing guide—updated and expanded to meet 2018 codes and standards Complete Book of Framing, Second Edition—Updated and Expanded is a comprehensive guide to rough carpentry and framing, written by an expert with over forty years of framing experience. This book guides the reader through step-by-step framing instructions for floors, walls, roofs, door and window openings, and stairs. Hundreds of full-color illustrations and photos enable novice and professional framers to understand and master framing techniques. This Updated and Expanded Second Edition includes the framing techniques of the

2018 International Building Code (IBC), International Residential Code (IRC), and updated OSHA rules. It also includes new coverage of today's electric tools, wind and earthquake framing, medical and physiological factors of framing, and a revised safety chapter. Builders will find information on nailing patters, overall layout, engineered wood patterns, and green framing. In addition, the book offers readers tools and techniques for preparing for a job and managing a team. This Second Edition—Updated and Expanded: Includes hundreds of full-color illustrations depicting step-by-step framing techniques Offers guidance on today's electric tools and structural enhancements for natural disasters Features a revised chapter on safety to reflect the medical and physiological factors of framing Meets the framing techniques of the 2018 International Building Code (IBC), International Residential Code (IRC), and Occupational Safety and Health Administration (OSHA) standards Complete Book of Framing: An Illustrated Guide for Residential Construction, Second Edition—Updated and Expanded is an excellent resource for framers, carpenters, and contractors of all experience levels. Framer-friendly tips throughout the book show how to complete framing tasks efficiently and effectively.

Best Practices Guide to Residential Construction

PERFECT BOUND, GORGEOUS SOFTBACK WITH SPACIOUS RULED PAGES. LOG INTERIOR: Click on the LOOK INSIDE link to view the Log, ensure that you scroll

past the Title Page. Record Page numbers, Subject and Dates. Customize the Log with columns and headings that would best suit your need. Thick white acid-free paper reduces the bleed-through of ink. LOG EXTERIOR COVER: Strong, beautiful paperback. BINDING: Professional trade paperback binding. The binding is durable; pages will remain secure and will not break loose. PAGE DIMENSIONS: 6 x 9 inches) 15.2 x 22.9 cm (Makes for easy filing on a bookshelf, travel or storage in a cabinet or desk drawer). Other Logs are available, to find and view them, search for Logbook Professionals on Amazon or simply click on the name Logbook Professionals beside the word Author. Thank you for viewing our products.
LOGBOOK PROFESSIONALS TEAM

Drywall

Get to know Zaha Hadid in this nonfiction picture book about the famed architect's life and her triumph over adversity from celebrated author-illustrator Jeanette Winter. Zaha Hadid grew up in Baghdad, Iraq, and dreamed of designing her own cities. After studying architecture in London, she opened her own studio and started designing buildings. But as a Muslim woman, Hadid faced many obstacles. Determined to succeed, she worked hard for many years, and achieved her goals—and now you can see the buildings Hadid has designed all over the world.

Residential Structure & Framing

Crafting the Considerate House tells the story of designing and building a home for our times-one that is mindful of both environmental and dollar costs, yet responsive to our needs and wants. In his fast moving narrative David Gerstel - a highly skilled builder and an author with several admired books that have enjoyed strong sales for decades to his credit - involves the reader in the challenge and excitement of creating a house that is highly energy efficient, healthy, and a pleasure to live in. You experience the project up close from the first imaginings through the final construction of interior finishes. You meet and share in the camaraderie of the remarkable craftspeople who worked alongside the author. Even as you are entertained by the lively and thoughtful chronicle, you are educated in the crafting of a sturdy, dollarwise, and striking home.

Welcome to Your World

A complete guide to estimating accurately and bidding wisely. Includes guidance on: Selecting the right jobs to bid. Accurately figuring labor costs and obtaining reliable sub and supplier quotes. Astutely marking up for overhead and profit. And moving beyond the competitive bid rat race to getting paid for estimates.

Roof Cutters Secrets

Find the most advanced professional techniques for designing, framing, and troubleshooting residential structures. Every page has been field-tested and jobsite proven by practicing construction professionals, so success is guaranteed.

The Nature of Place

One of the nation's chief architecture critics reveals how the environments we build profoundly shape our feelings, memories, and well-being, and argues that we must harness this knowledge to construct a world better suited to human experience. Taking us on a fascinating journey through some of the world's best and worst landscapes, buildings, and cityscapes, Sarah Williams Goldhagen draws from recent research in cognitive neuroscience and psychology to demonstrate how people's experiences of the places they build are central to their well-being, their physical health, their communal and social lives, and even their very sense of themselves. From this foundation, Goldhagen presents a powerful case that societies must use this knowledge to rethink what and how they build: the world needs better-designed, healthier environments that address the complex range of human individual and social needs. By 2050 America's population is projected to increase by nearly seventy million people. This will necessitate a vast amount of

new construction—almost all in urban areas—that will dramatically transform our existing landscapes, infrastructure, and urban areas. Going forward, we must do everything we can to prevent the construction of exhausting, overstimulating environments and enervating, understimulating ones. Buildings, landscapes, and cities must both contain and spark associations of natural light, greenery, and other ways of being in landscapes that humans have evolved to need and expect. Fancy exteriors and dramatic forms are never enough, and may not even be necessary; authentic textures and surfaces, and careful, well-executed construction details are just as important. Erudite, wise, lucidly written, and beautifully illustrated with more than one hundred color photographs, *Welcome to Your World* is a vital, eye-opening guide to the spaces we inhabit, physically and mentally, and a clarion call to design for human experience.

Complete Book of Framing

From Galileo, who used the hollow stalks of grass to demonstrate the idea that peripherally located construction materials provide most of the resistance to bending forces, to Leonardo da Vinci, whose illustrations of the parachute are alleged to be based on his study of the dandelion's pappus and the maple tree's samara, many of our greatest physicists, mathematicians, and engineers have learned much from studying plants. A symbiotic relationship between botany and the fields of physics, mathematics, engineering, and chemistry continues today, as

is revealed in *Plant Physics*. The result of a long-term collaboration between plant evolutionary biologist Karl J. Niklas and physicist Hanns-Christof Spatz, *Plant Physics* presents a detailed account of the principles of classical physics, evolutionary theory, and plant biology in order to explain the complex interrelationships among plant form, function, environment, and evolutionary history. Covering a wide range of topics—from the development and evolution of the basic plant body and the ecology of aquatic unicellular plants to mathematical treatments of light attenuation through tree canopies and the movement of water through plants' roots, stems, and leaves—*Plant Physics* is destined to inspire students and professionals alike to traverse disciplinary membranes.

The Essential Guide to Foundations

The Journal of Light Construction has assembled an all-star team of national building and energy experts to help you understand energy efficient construction methods and apply them to your new construction and remodeling projects. This practical book describes in detail the proven field-tested techniques that are both cost-effective and resource-efficient. Many energy-efficient building techniques are overly complicated. They're costly. And they frequently fail to deliver the promised energy performance. In contrast, this hands-on book from JLC cuts through the confusion and identifies the best building techniques and materials to help you achieve superior energy performance in all your projects. Without

breaking the bank.

The Essential Guide to Framing

Discover an efficient and costeffective jobsite management and training system. Learn how to implement the system and recruit, train and manage lead carpenters.

Hypernatural

Practical, detailed solutions to every problem you're likely to approach when constructing or remodeling kitchens and baths. Over 50 articles from the Journal of Light Construction plus up-to-date reference material on codes, safety, space planning and construction methods for kitchens and bathrooms. Includes over 400 photos and illustrations. If you're looking for a complete reference on designing, remodeling, or constructing kitchens and baths you should have this book.

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