

Rs Means Books 2 Repete

Construction productivity--how well, how quickly, and at what cost buildings and infrastructure can be constructed--directly affects prices for homes and consumer goods and the robustness of the national economy. Industry analysts differ on whether construction industry productivity is improving or declining. Still, advances in available and emerging technologies offer significant opportunities to improve construction efficiency substantially in the 21st century and to help meet other national challenges, such as environmental sustainability. Advancing the Competitiveness and Efficiency of the U.S. Construction Industry identifies five interrelated activities that could significantly improve the quality, timeliness, cost-effectiveness, and sustainability of construction projects. These activities include widespread deployment and use of interoperable technology applications; improved job-site efficiency through more effective interfacing of people, processes, materials, equipment, and information; greater use of prefabrication, preassembly, modularization, and off-site fabrication techniques and processes; innovative, widespread use of demonstration installations; and effective performance measurement to drive efficiency and support innovation. The book recommends that the National Institute of Standards and Technology work with industry leaders to develop a collaborative strategy to fully implement and deploy the five activities

This manual shows you, in simple, easy -to-understand language, how to calculate the amount of dirt you'll have to move, the cost of owning and operating the machines you'll do it with, and finally, how to assign bid prices to each part of the job. Using clear, detailed illustrations and examples, the author makes it easy to follow and duplicate his system. The book ends with a complete sample estimate, from the take-off to completing the bid sheet. Included in this book: -- How to set up & use an organized & logical estimating system -- How to read plans & specs -- Why a site visit is mandatory -- How to assess accessibility & job difficulty -- How soil characteristics can affect your estimate -- The best ways to evaluate subsurface conditions -- Figuring your overhead -- How to get the information you need from contour maps -- When you have to undercut -- Dealing with irregular regions and odd areas -- Factors for estimating swell and shrinkage -- Balancing the job: spoil & borrow -- Calculating machine owning & operating costs -- The two common methods of estimating earthwork quantities

Everything you need to pass Level II of the CMT Program CMT Level II 2016: Theory and Analysis fully prepares you to demonstrate competency applying the principles covered in Level I, as well as the ability to apply more complex analytical techniques. Covered topics address theory and history, market indicators, construction, confirmation, cycles, selection and decision, system testing, statistical analysis, and ethics. The Level II exam emphasizes trend, chart, and pattern analysis, as well as risk management concepts. This cornerstone guidebook of the Chartered Market Technician® Program will provide every advantage to passing Level II.

This concise student edition of the most widely used dictionary for construction and design professionals offers clear explanations of essential construction-related terms and concepts. Illustrated throughout with explanatory drawings and photographs, it is an indispensable reference for beginning and advanced students in construction, architecture, design, facility management, real estate, and other related fields. Features include: Easy-to-understand definitions of nearly 10,000 terms, phrases, and abbreviations from every area of construction More than 1,400 drawings and photographs that help clarify concepts Up-to-date coverage of new industry trends, including building automation, energy conservation, green building, historic preservation, and more An extensive reference section with plan symbols, conversions and equivalents, and more

Man-hours, labor and material costs for all common plumbing and HVAC work in residential, commercial, and industrial buildings. Anyone can quickly work up a reliable estimate based on the pipe, fittings and equipment required for the job. Every plumbing and HVAC estimator can use the cost estimates in this practical manual. Sample estimating and bidding forms and contracts also included. Explains how to handle change orders, letters of intent, and warranties. Describes the right way to process submittals, deal with suppliers and subcontract specialty work. Includes an electronic version of the book with a stand-alone Windows estimating program Free on a CD-ROM.

Current building costs for residential, commercial, and industrial construction. Estimated prices for every common building material, the labor cost to install the material and a total "installed" cost. For those jobs where you can't rely on your past experience to estimate, rely on the prices in this national standard of construction costs to get you safely in the ballpark. Provides manhours, recommended crew, and the labor cost for installation of every job and practically every type of material in construction. Provides clear descriptions on what is included in the job being estimated so you know exactly what the job and the prices for that job entail. Every cost is carefully described. It even provides suggested crew sizes, and equipment rates.

The way people shop and buy has evolved . . . has your marketing strategy? The way people shop and buy remodeling services has evolved. Has your marketing strategy kept up? In today's modern, data-driven world dominated by social media, the most successful and profitable companies understand that great marketing is more than just ads. It's about content that will attract and retain clients. In The Remodeler Marketing Blueprint, inbound marketing expert Spencer Powell shows that it is possible to create an education-driven marketing strategy that your clients and target audience will actually enjoy. In this foundational guide for remodeling and custom building companies, Spencer shares his expertise to help builders, remodelers, and contractors harness the most powerful tool you have—the internet—to generate leads and close more sales by using the power of your companies' website to increase valuable web traffic. Easy-to-follow explanations and guided templates provide vital information on harnessing search engine optimization, gaining traction on social media, creating a repeatable and profitable system, and growing your brand. With educational, tactical, and entertaining tools, you will learn how to stop creating ads and instead create content that will transform the way you and your clients think about your marketing. This is the blueprint to drive your business into the future.

Cost and Value Management in Projects provides practicing managers with a thorough understanding of the various dimensions of cost and value in projects, along with the factors that impact them, and the managerial approaches that would be most effective for achieving cost efficiency and value optimization. This book addresses cost from a strategic perspective, offering thorough coverage of the various elements of value management such as value planning, value engineering and value analysis from the perspective of projects.

A sleeker, more comprehensive approach to construction projects BIM and Construction Management, Second Edition is a complete integration guide, featuring practical advice, project tested methods and workflows, and tutorials for implementing Building Information Modeling and technology in construction. Updated to align with the latest software editions from Autodesk, Trimble and Bentley, this book provides a common sense approach to leveraging BIM to provide significant value throughout a project's life cycle. This book outlines a results-focused approach which shows you how to incorporate BIM and other technologies into all phases of construction management, such as: Project planning: Set up the BIM project to succeed right from the start by using the right contracts, the right processes and the right technology Marketing: How to exceed customer expectations and market your brand of BIM to win. Pre-construction: Take a practical approach to engineer out risks in your project by using the model early to virtually build and analyze your project, prior to physical construction. Construction: Leverage the model throughout construction to build safer and with better quality. Field work: Learn how mobile technologies have disrupted the way we work in the field to optimize efficiencies and access information faster. Closeout: Deliver a better product to your customer that goes

beyond the physical structure and better prepares them for future operations. Additionally, the book provides a look at technology trends in construction and a thoughtful perspective into potential use cases going forward. BIM and Construction Management, Second Edition builds on what has changed in the construction landscape and highlights a new way of delivering BIM-enabled projects. Aligning to industry trends such as Lean, integrated delivery methods, mobile platforms and cloud-based collaboration this book illustrates how using BIM and technology efficiently can create value.

A pioneering physician reveals how childhood stress leads to lifelong health problems, and what we can do to break the cycle. This pioneering text provides a holistic approach to decisionmaking in transportation project development and programming, which can help transportation professionals to optimize their investment choices. The authors present a proven set of methodologies for evaluating transportation projects that ensures that all costs and impacts are taken into consideration. The text's logical organization gets readers started with a solid foundation in basic principles and then progressively builds on that foundation. Topics covered include: Developing performance measures for evaluation, estimating travel demand, and costing transportation projects Performing an economic efficiency evaluation that accounts for such factors as travel time, safety, and vehicle operating costs Evaluating a project's impact on economic development and land use as well as its impact on society and culture Assessing a project's environmental impact, including air quality, noise, ecology, water resources, and aesthetics Evaluating alternative projects on the basis of multiple performance criteria Programming transportation investments so that resources can be optimally allocated to meet facility-specific and system-wide goals Each chapter begins with basic definitions and concepts followed by a methodology for impact assessment. Relevant legislation is discussed and available software for performing evaluations is presented. At the end of each chapter, readers are provided resources for detailed investigation of particular topics. These include Internet sites and publications of international and domestic agencies and research institutions. The authors also provide a companion Web site that offers updates, data for analysis, and case histories of project evaluation and decisionmaking. Given that billions of dollars are spent each year on transportation systems in the United States alone, and that there is a need for thorough and rational evaluation and decision making for cost-effective system preservation and improvement, this text should be on the desks of all transportation planners, engineers, and educators. With exercises in every chapter, this text is an ideal coursebook for the subject of transportation systems analysis and evaluation.

A handy, practical resource that makes it easy to keep track of your essential homeowner information for future reference Your home is the most exciting purchase you will ever make. It's simultaneously the playground, castle and nest where your family will grow. It's also a big responsibility with lots of little details to keep track of. Fortunately, this book makes it super simple to organize everything, including: WARRANTY INFORMATION for when appliances need repair PAINT COLORS for matching existing walls and trims MAINTENANCE SCHEDULES to keep appliances running smoothly WINDOW TREATMENT DETAILS so replacements are a cinch FLOORING MATERIALS so you can keep wood shiny and tile glossy Packed with informative tips, fill-in-the-blank prompts and grid pages for sketching room layouts, this book's easy-to-understand design and thorough coverage make it impossible to overlook even the most obscure (yet vital!) detail about your wonderful home.

How to accommodate contemporary life in a historic house. This book does not repeat basic information that is readily available in many standard DIY books about carpentry, wiring, and plumbing. Rather, it shows how to adapt those DIY skills to the specialized needs of a historic house. Although there are other books about renovating old houses, this is the first that prioritizes the identification and preservation of the historic, character-defining features of a house as a starting point in the process. That is the purpose of this book: to describe and illustrate a best-practices approach for updating historic homes for modern life in ways that do not attempt to turn an old house into a new one. The book also suggests many ways to save money in the process, without settling for cheap or inappropriate solutions. Scott Hanson is a historic-building preservation professional and has 40 years' experience rehabilitating historic houses. He has illustrated this authoritative book with hundreds of step-by-step photos, illustrations, charts, and decision-making guides. Interspersed throughout are photo essays of 13 restored historic houses representing a range of periods and architectural styles: Italianate, Victorian, Queen Anne, Federal, Colonial, Colonial Revival, Greek Revival, Ranch, Adobe, Craftsman, Shingle, and Rustic. With interior and exterior photography by David Clough, these multi-page features show what can be achieved when a historic home is renovated with a desire to preserve or restore as much historic character as possible.

This no-fluff book contains detailed, step-by-step training perfect for both the complete newbie or seasoned pro looking to build a killer house-flipping business. In this book you'll discover: --How to get financing for your deals, even with no cash and poor credit! --How to evaluate a potential market or "farm" area! --What types of properties you should buy, where and from whom! --How to find great deals from motivated sellers! --How to evaluate deals quickly and accurately! --How to make competitive offers and complete your due diligence efficiently and effectively! --How to create a Scope of Work, a Budget and a Schedule! --How to hire the best contractors and manage your rehab to completion! --How to get your properties under contract for top dollar! --How to get your property to the closing table as efficiently as possible so you can collect your check!

This book is the only one you will need to pass the California General Builder (B) Exam. We give you all of the knowledge necessary by spelling out the principles and concepts covered on the exam. In addition, and perhaps most importantly, the codes are translated into an easy to read format that does away with the long and often confusing wording found in the formal California Building Code. Whether you are a novice or possess a wealth of construction knowledge, this is the book you need to prepare yourself for the California General Builder (B) exam.

This comprehensive reference explains everything you need to know about taking off and pricing detailed, unit price construction estimates. The book takes you through every step of the estimating process — from receipt of the plans, to detailed quantity takeoffs and pricing, to bidding strategies, and finally, cost control. Also includes electronic estimating forms you can access to download and customize from the book's own website. Organized for quick reference, the book features: Estimating guidance for every segment of construction by CSI MasterFormat division — the most recognized industry standard for organizing construction projects and costs Checklists and forms to streamline the estimating process What to watch out for — common errors and omissions How to calculate and apply direct and indirect costs, including overhead and profit A complete, fully updated sample cost estimate An appendix with labor hours for common construction operations

Take control of your construction contracting business and manage it through the natural highs and lows of the construction market. Learn from a team of construction business veterans led by Thomas C. Schleifer, who is commonly referred to as a construction business "turnaround" expert due to the number of construction companies he has rescued from financial distress. His financial acumen, combined with his practical, hands-on experience, has made him a sought-after private consultant. His experience and no-nonsense philosophy have truly given him a unique perspective. Important topics covered include: Understanding the primary areas of construction business failure in the next decade Minimizing business risk with real-world examples Developing a positive and competent management attitude and strategy Discover how to maneuver through this complicated and risky industry by using the authors' research and proven success strategies to

sustain and grow your business.

The updated and highly illustrated guide to understanding how just about everything in your house works! The revised and updated third edition of *How Your House Works* is a hands-on guide that gives you the low-down on why your faucet is leaking, your dishwasher is overflowing, or your furnace is on the fritz. This comprehensive book is your reference to virtually everything in your house with richly illustrated explanations of electrical systems, heating and air conditioning, plumbing, major household appliances, foundation, framing, doors, and windows. This must-have book answers most questions homeowners face when repairs are needed or when a new house or addition is in your future. *How Your House Works* is filled with easy-to-understand illustrations that show how things should be put together and how they function. The book also highlights issues outside the house as well as clock thermostats, ventless gas heaters, moisture and mold, and passive solar heating. Using the illustrations and the author's clear explanations might save you the expense of calling a professional. This invaluable guide: Offers a colorful resource to home electrical systems, HVAC, plumbing, major household appliances, foundation, framing, doors and windows, sustainability, and much more Includes easy-to-follow information for troubleshooting problems Contains dozens of new full-color illustrations Presents new chapters on solar power and smart home technologies Helps homeowners save money on many common household repairs Written for homeowners with little or no knowledge of home maintenance or repair, *How Your House Works* is your illustrated and updated guide to understanding how appliances, electrical, plumbing, heating, air conditioning, and more work!

Ranging from suggestions for the care of musical instruments to maintaining home safety, a celebration of and guide to the finer points of home-keeping offers a contemporary, creative, and positive take on a traditional subject

One of the construction industry's longest-running, most relied-on references, *The Gypsum Construction Handbook* was first published by the U.S. Gypsum Company in 1904. For more than a century and through several editions, the book has become a trusted standard. This new 6th edition is an illustrated, comprehensive, and authoritative guide on all facets of gypsum construction. You'll find the newest product developments, installation methods, fire- and sound-rated construction information, illustrated framing-to-finish application instructions, estimating and planning information, and more. System descriptions – together with full data on products, accessories, tools, equipment, and applications – help plan and estimate projects and ensure compliance with performance criteria. Cost- and time-saving techniques keep the work on budget. New in the sixth edition are chapters on sustainable construction methods and products, building movement, fire resistance, heat transfer, sound transmission, and vapor/moisture control. The Handbook covers both new construction and repair and remodeling and includes: framing drywall and veneer plaster joint treatment and plaster finishing interior cement board ceilings conventional plaster

About This Book: Every home has a unique set of maintenance needs based on its age, location, and upgrades. Both veteran and new homeowners can get overwhelmed with the maintenance that is necessary to keep a home in good condition. This book will help you stay on schedule or catch up on jobs that need to get done - especially when life gets busy. Taking good care of your home now always pays off when it comes time to sell. This Deluxe version of the Home Maintenance Log Book is perfect for the home owner who intends to make their house their "forever home". MAINTENANCE SUGGESTIONS: A checklist of items to help you get started. As you become more familiar with your house, you can add or take away from it. DIY: To make your DIY projects manageable, there are prompts for planning, tracking the budget, and recording your progress. INSURANCE: Log the valuables in each room of the house and update as things change - helpful for insurance purposes. LOGGING & TRACKING: 12 years of home maintenance prompts to keep your house in good condition for many years. In addition to pages for notes and sketching, the following log sheets are included: Important Local & Professional Contacts House Stats Home Improvement Wishlist Indoor & Outdoor Monthly Maintenance Where Is It Log Seasonal Maintenance Log Safety Inspection Log Painting Log Home Security Maintenance Log Maintenance/Service Log Room by Room Upgrade Log Maintenance Checklist Suggestions Pest Control Log HVAC Filters Log DIY Project Tracking Room by Room Inventory Other Suggested Uses: New homeowner gift Housewarming gift Homebuyer/client gift from the realtor at closing Description: Size 8.5" x 11" Matte Soft Cover 186 black & white interior pages Perfectly bound

The key to successful project control is the fusing of cost to schedule whereby the management of one helps to manage the other. *Project Control: Integrating Cost and Schedule in Construction* explores the reasons behind and the methodologies for proper planning, monitoring, and controlling both project costs and schedule. Filling a current void the topic of project control applied to the construction industry, it is essential reading for students and professionals alike.

The process of user-centered innovation: how it can benefit both users and manufacturers and how its emergence will bring changes in business models and in public policy. Innovation is rapidly becoming democratized. Users, aided by improvements in computer and communications technology, increasingly can develop their own new products and services. These innovating users—both individuals and firms—often freely share their innovations with others, creating user-innovation communities and a rich intellectual commons. In *Democratizing Innovation*, Eric von Hippel looks closely at this emerging system of user-centered innovation. He explains why and when users find it profitable to develop new products and services for themselves, and why it often pays users to reveal their innovations freely for the use of all. The trend toward democratized innovation can be seen in software and information products—most notably in the free and open-source software movement—but also in physical products. Von Hippel's many examples of user innovation in action range from surgical equipment to surfboards to software security features. He shows that product and service development is concentrated among "lead users," who are ahead on marketplace trends and whose innovations are often commercially attractive. Von Hippel argues that manufacturers should redesign their innovation processes and that they should systematically seek out innovations developed by users. He points to businesses—the custom semiconductor industry is one example—that have learned to assist user-innovators by providing them with toolkits for developing new products. User innovation has a positive impact on social welfare, and von Hippel proposes that government policies, including R&D subsidies and tax credits, should be realigned to eliminate biases against it. The goal of a democratized user-centered innovation system, says von Hippel, is well worth striving for. An electronic version of this book is available under a Creative Commons license.

Manhours, labor and material costs for all common plumbing and HVAC work in residential, commercial, and industrial buildings. You can quickly work up a reliable estimate based on the pipe, fittings and equipment required. Every plumbing and HVAC estimator can use the cost estimates in this practical manual. Sample estimating and bidding forms and contracts also included. Explains how to handle change orders, letters of intent, and warranties. Describes the right way to process submittals, deal with suppliers and subcontract specialty work. Included in this edition: costs for ASME "H" or "U" stamped, LFUE certified 90% or better green certified boilers, costs for emission sensing and recording equipment for boilers, costs for self-contained roof-top DX air conditioning units, costs for heat recovery ventilators, roof exhaust fans, makeup air units, ventilation exhausters, energy-efficient

exhauster arrays, air balance software, LEED certified boilers, residential heat pumps, LEED ce Contractor's General Building and Law & Business Exam Secrets helps you ace the Contractor's General Building and Law & Business Exam, without weeks and months of endless studying. Our comprehensive Contractor's General Building and Law & Business Exam Secrets study guide is written by our exam experts, who painstakingly researched every topic and concept that you need to know to ace your test. Our original research reveals specific weaknesses that you can exploit to increase your exam score more than you've ever imagined. Contractor's General Building and Law & Business Exam Secrets includes: The 5 Secret Keys to Contractor's Test Success: Time is Your Greatest Enemy, Guessing is Not Guesswork, Practice Smarter, Not Harder, Prepare, Don't Procrastinate, Test Yourself; A comprehensive General Strategy review including: Make Predictions, Answer the Question, Benchmark, Valid Information, Avoid Fact Traps, Milk the Question, The Trap of Familiarity, Eliminate Answers, Tough Questions, Brainstorm, Read Carefully, Face Value, Prefixes, Hedge Phrases, Switchback Words, New Information, Time Management, Contextual Clues, Answer Selection, Check Your Work, Answer Choice Families; Comprehensive General Building Exam review including: Site Work, Legal History, Physical Characteristics, Soil Development, Load Distribution, Building Construction, Building Foundations, Framing Construction, Ceiling & Floors, Doors & Windows, Roof Construction, Types of Construction, Lighting, Drainage Systems, Fire Protection, Security Systems, Typical Home Construction, New Technology; Comprehensive Law & Business Exam review including: Basic Accounting, Business Organizations, Construction Math, Construction Related Legislation, Contracts & Agreements, Cost Formulas, Drawings & Specifications, Field Administration & Inspection, IBC Sprinkler Requirements, Insurance & Taxes, Mediation/Arbitration, Medical Services and First Aid, OSHA Requirements, and much more... Using North America's most recognized construction cost data from RSMeans, this step-by-step guide develops problem-solving skills through over 300 sample problems and exercises. All of the major construction items, including site work, concrete and masonry, wood and metal framing, doors and windows, and more are covered. Access to a password-protected web site is included, which contains the instruction version of RSMeans Cos/Works, the electronic version of RS Means Building Construction Cost Data, and sample building plans and spreadsheets, enabling you to practice creating a complete construction estimate.

The Boeing 747 is minutes from inflicting a nuclear event of Hiroshima proportions on Los Angeles! Can the man hand-picked by the President unravel the web of espionage, extortion and smoldering revenge in time? United States National Security Agency contractor Edward Snowden rocks the White House to its foundation when he provides secret NSA documents to the Washington Post alleging that the U.S. gathers telephone and email records of its citizens and electronically spies on its international neighbors. President Garrison Cross and the U.S. face unyielding condemnation from leaders around the world and Democrats and Republicans alike at home. If Cross needs any more heat it comes when he learns that a CIA mole has outmaneuvered the FBI and a Russian scientist has escaped from a closed Soviet weapons factory known as Kremlyov with a cache of weapons-grade nuclear material, whereabouts unknown. The besieged President jerks the FBI out of the loop and brings in Cam Warfield, a darkside intel veteran who runs a counterterrorism training center for the Army and lives with the beautiful Dr. Fleming DeGrande on her ranch in suburban Virginia. But the vengeful FBI director pulls the rug from under Warfield and the nukes end up in treacherous hands. Then just crucial minutes off the coast of Los Angeles a duplicate of the Hiroshima atom bomb sits in the belly of a Boeing 747 traveling at 500 miles an hour. With minutes left before disaster Warfield believes he can convince the pilot to abort but it is then that he confronts his biggest and most unexpected challenge yet: the very man who commissioned him, who's sitting in the Oval Office in Washington, D.C.! More than once Warfield narrowly escapes death as the case leads him to Tokyo and Vegas, Paris and Atlantic City—where he runs headlong into the mole's lair.

Current prices in dollars and cents and detailed descriptions for hard-to-find items needed on most insurance, repair, remodeling, and renovation jobs. All price items include labor, material, and equipment breakouts, plus special charts that tell you exactly how these costs are calculated. Includes many reinstall/salvage cost estimates, hundreds of sample product images and unique architectural items. Simplify the estimating process with the latest data, materials, and practices Electrical Estimating Methods, Fourth Edition is a comprehensive guide to estimating electrical costs, with data provided by leading construction database RS Means. The book covers the materials and processes encountered by the modern contractor, and provides all the information professionals need to make the most precise estimate. The fourth edition has been updated to reflect the changing materials, techniques, and practices in the field, and provides the most recent Means cost data available. The complexity of electrical systems can make accurate estimation difficult, but this guide contains all the necessary information in one place. An electrical estimate represents the total cost for materials, labor, overhead and profit, but accuracy is virtually impossible without a basic knowledge of the field, and real-world experience in the type of work required. Inaccurate estimates lead to problems with customer satisfaction, which often create payment issues. A thorough, complete, and accurate estimate is in the best interest of all parties involved in the work. Electrical Estimating Methods provides more than just data. Detailed discussions about the work itself help highlight factors that may escape notice, and access to the latest cost data helps tie everything together. Features include: Discussion of current equipment, materials, and processes Means data for both residential and commercial projects Case studies that illustrate best practices Online access to the latest Means data for fast access on the job The book discusses specific situations as well as general practices, and provides comprehensive guidance to the creation of a true, current, estimation of costs. For electrical contractors and estimators, Electrical Estimating Methods contains must-have content that simplifies the estimating process.

Discover BIM: A better way to build better buildings Building Information Modeling (BIM) offers a novel approach to design, construction, and facility management in which a digital representation of the building product and process is used to facilitate the exchange and interoperability of information in digital format. BIM is beginning to change the way buildings look, the way they function, and the ways in which they are designed and built. The BIM Handbook, Third Edition provides an in-depth understanding of BIM technologies, the business and organizational issues associated with its implementation, and the profound advantages that effective use of BIM can provide to all members of a project team. Updates to this edition include: Information on the ways in which professionals should use BIM to gain maximum value New topics such as collaborative working, national and major construction clients, BIM standards and guides A discussion on how various professional roles have expanded through the widespread use and the new avenues of BIM practices and services A wealth of new case studies that clearly illustrate exactly how BIM is applied in a wide variety of conditions Painting a colorful and thorough picture of the state of the art in building information modeling, the BIM Handbook, Third Edition guides readers to successful implementations, helping them to avoid needless frustration and costs and take full advantage of this paradigm-shifting approach to construct better buildings that consume fewer materials and require less time, labor, and capital resources.

[Copyright: 1d192020a1655ca5c1070b3fd6005cef](https://www.rsmeans.com/1d192020a1655ca5c1070b3fd6005cef)