

Eighth Edition

Estimating in Building Construction

*Steven J. Peterson
Frank R. Dagostino*

[eBooks] Estimating In Building Construction

Eventually, you will unquestionably discover a supplementary experience and success by spending more cash. still when? get you take that you require to get those every needs subsequent to having significantly cash? Why dont you try to get something basic in the beginning? Thats something that will guide you to understand even more roughly speaking the globe, experience, some places, afterward history, amusement, and a lot more?

It is your totally own become old to exploit reviewing habit. in the course of guides you could enjoy now is **Estimating in Building Construction** below.

Estimating in Building Construction-Frank R. Dagostino 2008 Everything needed for a course in Estimating is provided in this proven text, which combines coverage of principles with step-by-step procedures. Ideal for construction,

architecture, and engineering students, it reflects the popular approach of tracing a complete project's progress. The use of computers as a key estimating tool is incorporated throughout.

Estimating in Building Construction-Steven J.

Peterson MBA, PE 2014-02-25 This is the eBook of the printed book and may not include any media, website access codes, or print supplements that may come packaged with the bound book. The only complete, up-to-date guide to estimating modern building construction projects -- now updated, expanded, and incorporating many additional workbook problems. Now updated and expanded, *Estimating in Building Construction, Eighth Edition*, brings together everything needed for a complete, modern course in estimating. Building on well-proven previous editions, it combines sound coverage of principles with step-by-step procedures to help students learn concepts more easily. Ideal for construction, architecture, and engineering students, it reflects the popular approach of tracking a complete project's progress. There are examples of estimating portions of the building that many General Contractors perform, and thorough coverage of the use of specialty subcontractors. This edition adds a new discussion of Building Information Modeling (BIM) and more detailed discussions of

estimating equipment cost, electrical, plumbing (including fire sprinklers), and HVAC. For convenience and cost savings, workbook problems that accompanied the previous edition have been incorporated into the book. Teaching and Learning Experience This book will help construction, architecture, and engineering students quickly master today's best practices for estimating building construction projects. It provides: Extensive examples and problems designed to link theory to practice: Helps students deepen the judgment skills they will need to succeed in real-world estimating Expanded and updated coverage of today's key challenges and techniques-Helps students master the latest industry practices and standards, and utilize key innovations such as Building Information Modeling Includes extensive reference resources for professional estimating: Gives students resources they can rely on throughout their careers, from sample specifications to spreadsheets

Estimating in Building Construction-Frank R. Dagostino 1989 An update of the proven estimating text by Frank Dagostino, "Estimating in Building Construction, 7/e," provides everything you need for a course in Estimating. It combines sound coverage of principles with step-by-step procedures to help students learn concepts more easily. Ideal for construction, architecture, and engineering students, it reflects the popular approach of tracing a complete project's progress. Added in this edition is a discussion of computers in estimating, different types of estimates (e.g., square foot, project comparison, and assembly estimating), how to determine labor productivity, and how to determine labor burden.

Estimating Building Costs for the Residential and Light Commercial Construction Professional-Wayne J. Del Pico 2012-04-30 How to succeed in the construction business—step-by-step guidelines for estimating To be competitive, contractors and homebuilders

need to know how to generate complete, accurate estimates for labor and material costs. This book guides readers through the entire estimating process, explaining in detail how to put together a reliable estimate that can be used not only for budgeting, but also for developing a schedule, managing a project, dealing with contingencies, and ultimately making a profit. Completely revised and updated to reflect the new CSI MasterFormat 2010™ system, the Second Edition of this practical guide describes estimating techniques for each building system and how to apply them according to the latest industry standards. Cost considerations and quantity takeoff and pricing are included for virtually every type of work found in residential and light commercial projects, from demolition, concrete, and masonry to windows and doors, siding, roofing, mechanical and electrical systems, finish work, and site construction. Complete with many new graphics and references to professional construction cost databases, the new edition provides experienced contractors and novices alike with

essential information on: How to correctly interpret plans and specifications, reflecting updates to contract documents since the first edition Computer estimating techniques and new estimating software for performing quantity takeoff The best methods for conceptual estimating as well as the extremely useful topic of parametric estimating How to allocate the right amounts for profit and contingencies, and other hard-to-find professional guidance How a unit price estimate is built along with labor issues and budgeting for subcontractor work

Building Construction Estimating-Stephen D. Schuette 1994 Building Construction Estimating furnishes readers with specific details on how a general building contractor derives the cost of a project before it begins, and how the estimate fits into the total construction process. The book provides coverage of such areas as determining labor productivity and wages, selecting equipment and assigning productivity rates and costs, acquiring specialty contractor prices, and

assigning overhead costs and profit. The material is presented from the point of view of a general contractor working on a competitively bid stipulated-sum (lump-sum) contract. However, other contract methods and the effects they have on the estimating process are also discussed. Furthermore, the principles of estimating for the specialty trades are discussed from the reference of a general building contractor, and how the subcontractor's bid will affect the total project cost is presented. Of special note is the book's introduction and utilization of computers in the estimating process - enabling readers to utilize new technology in an effective and efficient manner. The book is organized in a way that first teaches the reader to perform many of the estimating activities manually, then guides them in developing a computer spreadsheet. The use of spreadsheets empowers the reader to go beyond the manual calculations and develop new and more proficient solutions to estimating problems.

Estimating for Building & Civil Engineering

Work-John Williams 2013-02-01 It deals in a practical and reasonable way with many of the estimating problems which can arise where building and civil engineering works are carried out and to include comprehensive estimating data within the guidelines of good practice. The early part of the book has been completely rewritten to contain chapters useful to students and practitioners alike for the development of the estimating process resulting in the presentation of a tender for construction works. The second and major part of the book contains estimating data fully updated for the major elements in building and civil engineering work, including a new chapter on piling, and a wealth of constants for practical use in estimating. The estimating examples are based on the current edition of the Standard Method of Measurement for Building Works (SMM7). The comprehensive information on basic principles of estimating found in 'Spence Geddes' are still as valid today as the first edition. In this edition the prevailing rates of labour and costs of materials are taken whenever

possible as a round figure. Readers will appreciate in the construction industry that prices are continually changing, rise and fall, and that worked examples should therefore be used as a guide to method of calculation substituting in any specific case the current rates applicable to it. In the case of plant output dramatic increases have been experienced in productivity over recent years and again estimators with their own records should substitute values appropriate to their work.

Construction Estimating Using Excel

-Steven Peterson 2017-01-11 For beginning to intermediate courses in construction estimating in two- and four-year construction management programs. A step-by-step, hands-on introduction to commercial and residential estimating Construction Estimating with Excel, 3/e, introduces readers to the fundamental principles of estimating using drawing sets, real-world exercises, and examples. The book moves step-by-step through the estimating process,

discussing the art of estimating, the quantity takeoff, how to put costs to the estimate, and how to finalize the bid. As students progress through the text they are shown how Microsoft Excel can be used to improve the estimating process. Because it introduces spreadsheets as a way of increasing estimating productivity and accuracy, the book can help both beginning and experienced estimators improve their skills. The Third Edition gives students a broader understanding of construction estimating with a new chapter discussing the role that estimating plays in different project delivery methods and in the design process and how to use data from RSMeans. To bring the book up to date, the material and equipment costs and labor rates have been updated to reflect current costs, and the discussion of Excel (including the figures) is based on Excel 2016. Additionally, content throughout the book has been updated to align to ACCE and ABET student learning outcomes. Student resources are available on the companion website www.pearsonhighered.com/careersresources/.

Construction Estimating and Bidding: Training Manual to Acquire Fundamental Knowledge in Estimating Building

Construction Costs-Yvon Chabot 2019-03-05

The purpose of this manual is to enable students to gain fundamental knowledge of estimating the cost of building construction projects. The procedures used for estimating vary from company to company. On the other hand, the construction industry has become, over the years, more competitive which has made construction companies to do their best in order to offer the best possible service at the least price. To overcome this constraint, it is necessary to know precisely the cost of services. And it would be the role of an Estimator. Unfortunately, there are no specific rules, as it accounts, for obtaining a good estimate, even among individuals within a company. Because of contracting method currently employed (like fast track or PPP) construction companies need precision in their estimates; in addition, as

estimators are increasingly consulted at conceptual design stage, we will talk about conceptual estimate in chapter one and then focus on detailed estimations and its process in upcoming chapters. We all know that a good estimator needs to have a good knowledge about construction techniques and factors that influence the realization of a project. We also know that an individual who possesses a high level of experience in his/her field but also could be a poor estimator in the absence of reliable method. So, in this manual we will focus more on estimations' method rather than techniques of construction. A detailed estimate (Bid Estimate) can be analyzed in terms of the SIX principal stages of the process: 1. Quantity Takeoff 2. Recap Quantities 3. Pricing the Recap 4. Pricing Subcontractor's work 5. Pricing General Expenses 6. Summary and Bid To decode these six steps into an effective and accurate estimation method, the manual is divided into three modules. Each module is divided into chapters. The first module addresses the preparation of an estimate for construction and describes the

entire submission process. The second module deals with the methods of measurement of the constructive systems then, in the third module, establish the prices of the elements, the expenses of the general conditions and finally, close the submission.

Estimating Building Costs-Calin M. Popescu
2003-04-22 Companies live or die on the basis of estimating their costs. Preparing estimates and bidding for new jobs is a complex and often costly process. There is no substitute for on the job training -- until now. Drawing on the authors' combined experience of more than 70 years, *Estimating Building Costs* presents state-of-the-art principles, practices, and techniques for assessing these expenditures that can be applied regardless of changes in the costs of materials, equipment, and labor. The book is an efficient and practical tool for developing contracts or controlling project costs. The authors cover the major components of the direct cost: estimating procedures and cost trends related to materials,

construction equipment, and skilled and unskilled labor. They describe various types of building estimates encountered during the lifecycle of a project, as well as the role and accuracy of each. The book provides an overview of the industry, cost indexes in use, approaches to preparing a detailed estimate, and an in-depth description of the organization and function of the estimating group. Including CSI Master Format and UniFormat codes, estimating forms, a list of available estimating software packages, a detailed construction site and investigation report, the book provides a cost estimating methodology that readers can tailor to their own organizational needs.

Estimating in Building Construction-Frank R. Dagostino 2010-04-23 This package contains the following components: -0131199528: Estimating in Building Construction -0135097487: Student Workbook for Estimating in Building Construction

Estimating Building Construction-William J. Hornung 1986

Estimating in Heavy Construction-Dieter Jacob 2016-11-14 This book presents the theoretical background as well as best practice examples of estimating in heavy construction. The examples stem from practitioners in international large-scale construction projects. As distinct from other publications on estimating, this book presents specific numbers and costs are calculated precisely. In this way the book helps to avoid errors in the estimating of construction projects like roads, bridges, tunnels, and foundations.

Estimating and Project Management for Building Contractors-Michael Kitchens 1996-01-01 "A useful overview for both beginners and seasoned professionals, this book provides insight and practical guidelines on the day-to-day

processes of construction estimating and project management. Kitchens reviews the varied tasks of the estimator, project manager, and project superintendent, from the decision to bid to completing paperwork and managing project risks. He draws from his years of professional experience, as well as case histories, to examine estimate preparation, procedures to follow on bid day, job site safety, quality assurance, financial considerations, cost control, and much more. Ethics in construction, errors in estimating and project management, and information regarding training key personnel are also addressed."--BOOK JACKET. Title Summary field provided by Blackwell North America, Inc. All Rights Reserved

Industrial Construction Estimating Manual-

Kenneth Storm 2020-05-27 Industrial Construction Estimating Manual focuses on industrial process plants and enables the contractor, subcontractor, and engineer to use methods, models, procedures, formats, and

technical data for developing industrial process plant construction estimates. The manual begins with an introduction devoted to labor, data collection, verification of data, coding, productivity measurement, the unit quantity model, and computer-aided cost estimating. It goes on to provide information on construction materials, database systems, work estimating, computer-aided estimating, detailed labor estimates, bid assurance, and detailed applications to construction. Practical examples based on historical data collected from past installations are also included as well as a detailed glossary, Excel and mathematical formulas, metric/standard conversions, area and volume formulas, and boiler man-hour tables. Industrial Construction Estimating Manual aids contractors, subcontractors, and engineers with a balance-detailed estimating method using the unit quantity model and is an excellent resource for those involved in engineering, technology, and construction estimating. Provides a detailed estimating method using the unit-quantity model to prepare construction estimates Delivers

information on construction materials, databases, labor estimates, computer-aided estimating, bid assurance, and applications to construction. Utilizes historical data, from a database of previous similar work, calculates material cost and labor by category, and produces both summary and detailed man-hour and cost estimates.

Introduction to Estimating for Construction-

Brian Greenhalgh 2013-01-17 Students and professionals encountering estimating for the first time need an approachable introduction to its principles and techniques, which is up to date with current practice. Introduction to Estimating for Construction explains both the traditional techniques, and best practice in early contractor involvement situations, within the framework of modern construction procurement. As well as introducing different estimating techniques, it includes: The nature of costs in construction from a cost of resources approach Modern tendering procedures and the stages of

development of construction projects How to convert an estimate into a formal tender and then into a contract Simple numerical examples of estimates Estimating and cost analysis during the construction project Summaries and discussion questions in every chapter This is an easy to read introduction to building estimating for undergraduate students, or anyone working in a quantity surveying or construction commercial management role who needs a quick reference.

Introduction to Estimating, Plan Reading and Construction Techniques-

Gary Anglin 2019-11-19 To understand Construction Estimating one must also understand plan reading and construction techniques. This book is designed to teach the construction student these three core skills in equal measure. Using hundreds of plans, sketches, and photos, the book builds case studies of the major construction divisions including concrete, masonry, carpentry, and more. Over forty cases

are divided into sections following a specially designed format: Plans: Scale drawings of floor plans, sections, or elevations. Plan Interpretation: The drawings are explained with comments. Scope of the Work: A written description of the boundaries of the work is given for each section. Construction Techniques: The construction processes and their sequence are explained. The Takeoff: A takeoff is shown at the end of each section. This approach helps foster confidence in plan reading, building methods, arithmetic, takeoffs, and estimates. The various products and terms used in the industries of structural steel, doors and hardware, and roofing are defined. The shop drawing process is explained, which is so important in many industries, as well as the role of and difference between manufacturers, fabricators, and suppliers/distributors. The book ends with a study of "front end" documents, including Division 00 General Conditions, AIA 201, and Division 01 General Requirements, and a chapter on Ethics. This textbook can be used to teach a variety of classes including plan reading,

construction techniques, and estimating 1 and 2 (takeoffs and pricing).

Student Workbook for Estimating in Building Construction-Steven J. Peterson
2010-01

Estimating and Tendering for Construction Work-Martin Brook 2016-12-08 Estimators need to understand the consequences of entering into a contract, often defined by complex conditions and documents, as well as to appreciate the technical requirements of the project. Estimating and Tendering for Construction Work, 5th edition, explains the job of the estimator through every stage, from early cost studies to the creation of budgets for successful tenders. This new edition reflects recent developments in the field and covers: new tendering and procurement methods the move from basic estimating to cost-planning and the greater emphasis placed on partnering and collaborative working the New

Rules of Measurement (NRM1 and 2), and examines ways in which practicing estimators are implementing the guidance emerging technologies such as BIM (Building Information Modelling) and estimating systems which can interact with 3D design models. With the majority of projects procured using design-and-build contracts, this edition explains the contractor's role in setting costs, and design statements, to inform and control the development of a project's design. Clearly-written and illustrated with examples, notes and technical documentation, this book is ideal for students on construction-related courses at HNC/HND and Degree levels. It is also an important source for associated professions and estimators at the outset of their careers.

Estimating Construction Costs-Robert Leroy Peurifoy 2001-12-01 Robert Peurifoy was a giant in the field of construction engineering and authored several books during his lifetime. This book last published in 1989 and will capitalize on

the well-known name of the author. In this edition, computer calculations of costs and of modeling have been added as well as updated statistics, computer related examples and new problems. Civil, Environmental, and Construction Management Engineering Majors and Professionals will benefit from having this title on their shelf. This edition retains the conceptual strengths of the Peurifoy approach and organization from the previous edition but the new problems and computer-based examples and new up-to-date construction data make it the only choice in academia or industry.

Construction Estimating-Karl F. Schmid 2011-09-30 This pocket-sized book is a concise guide to the basics of estimating construction costs for residential and light commercial building projects. It provides a step-by-step guide to estimating the total cost of a construction project. It takes readers through five phases that lead to a successful estimate: initial assessment, work analysis, programming, costing and cost

distribution and summarization. The book's primary targets are small contractors; however, the principles set forth in the book are applicable to all contractors. The book could also serve as a textbook for estimating classes in construction management programs at universities and community colleges. The last section of the book provides useful but not readily available information for estimators on diverse topics, e.g., detailed information about Value Engineering, scheduling, subcontractor selection, bid summarization, and so on. An extensive glossary of construction terms is also included. Readers in all construction capacities will find:

- * A new, fresh look at the often baffling and deceptive job of estimating construction costs for residential and light commercial construction
- * How to assess plans, review bonds, and evaluate the site and the project schedule before beginning a cost take-off
- * How to integrate a cost estimate into a general accounting program for cost management and eventual billing
- * Incredibly helpful appendix with common construction standards and measurements--from standards for

concrete forms, to nail sizes to commercial lumber sizes, and much more!

Estimating Home Building Costs-W. P.

Jackson 1981 Accurately estimate every phase of residential construction costs. Shows you how to keep track of man-hours and make accurate estimates for framing, foundations, and much more. Provides and explains sample worksheets with instructions.

Construction Cost Estimating-Len Holm 2005

The most comprehensive book on the market that covers the fundamental cost estimating principles and processes used in commercial construction today. Using a single case study, the book shows readers how to prepare their estimates and to develop the necessary skills needed to be successful in the construction industry. It covers theory, types of estimates, estimating procedures and contractual aspects as well as providing practical tips on how to

estimate. Specifically details the process for developing three separate types of estimates: a budget estimate during design development, a guaranteed-maximum-price estimate for a cost-plus contract, and a bid for a lump-sum contract. The book also discusses analysis of subcontractor quotations as well as estimating job site general conditions and company overhead costs; it even includes discussion of negotiated contracts. A comprehensive reference for construction professionals such as cost estimators and project managers.

**Means Mechanical Estimating Methods:
Takeoff & Pricing for HVAC & Plumbing,
Updated 4th Edition**-Melville Mossman

2007-08-23 An easy-to-use tool for estimating heating, ventilating, and air conditioning systems, with up-to-date cost data and estimating examples. This all-in-one reference gives you the accepted standards and procedures for takeoff and pricing HVAC systems, as well as piping, plumbing, and fire protection. Includes all of the

major mechanical systems in new building construction. The book will show you how to:
Evaluate mechanical plans and specs so you can estimate all cost components
Measure, quantify, and perform takeoffs for materials, labor, and equipment
Identify and correctly apply direct and indirect costs, including overhead and profit
Use forms to improve accuracy and efficiency - with electronic forms now available on the book's own website
Compare materials and methods and select the most cost-effective way to get the job done
Train new estimators with clear instructions for estimating the mechanical trades
Make the best use of RSMeans Mechanical Cost Data and RSMeans Plumbing Cost Data
Organized for easy reference, the book gives you quick access to whatever aspect of mechanical estimating you need. It includes a glossary of mechanical terms and definitions - plus symbols used on mechanical plans, useful formulas, checklists, and conversion tables.

RSMeans Cost Data-RSMeans 2012-02-21

RSMean Cost Data, Student Edition provides a thorough introduction to cost estimating in a self-contained print and online package. With clear explanations and a hands-on, example-driven approach, it is the ideal reference for students and new professionals who need to learn how to perform cost estimating for building construction. Features include: Commercial and residential construction cost data in print and online formats Complete how-to guidance on the essentials of cost estimating A supplemental website with plans, specifications, problem sets, and a full sample estimate With more than 930 Location Factors in the United States and Canada, the data includes up-to-date system prices for more than 100 standard assemblies and in-place costs for thousands of alternatives—making it easy to customize budget estimates and compare system costs. UNIT PRICES (organized in MasterFormat 2010) 1 General Requirements 2 Existing Conditions 3 Concrete 4 Masonry 5 Metals 6 Woods, Plastics & Composites 7 Thermal & Moisture Protection 8 Openings 9 Finishes 10 Specialties 11 Equipment 12 Furnishings 13

Special Construction 14 Conveying Equipment 21 Fire Suppression 22 Plumbing 23 Heating, Ventilating & Air Conditioning 26 Electrical 27 Communications 28 Electronic Safety & Security 31 Earthwork 32 Exterior Improvements 33 Utilities ASSEMBLIES A Substructure B Shell C Interiors D Services E Equipment & Furnishings F Special Construction G Building Site Work REFERENCE INFORMATION Equipment Rental Costs Crews Cost Indexes Reference Tables Square Foot Costs

Roofing Construction & Estimating—Daniel Benn Atcheson 1995 Everything you need to know to estimate, build, and repair practically every type of roof covering: asphalt shingles, roll roofing, wood shingles & shakes, clay tile, slate, metal, built-up, and elastomeric. Shows how to measure and estimate most roofs (including estimating shortcuts discovered by the author), how to install leak-proof underlayment and flashing, and how to solve problems with insulation, vapor barriers, and waterproofing.

Over 300 large, clear illustrations that help you find the answers to all your roofing questions.

Building Design and Construction

Handbook-Frederick S. Merritt 1982 Provides updated, comprehensive, and practical information and guidelines on aspects of building design and construction, including materials, methods, structural types, components, and costs, and management techniques.

Estimating for Residential Construction-

David Pratt 2011-04-18 ESTIMATING FOR RESIDENTIAL CONSTRUCTION, 2E provides a very visual, reader-friendly introduction to processes as it details the steps involved in accurately preparing a cost estimate. In his signature clear, straightforward writing style, proven author David Pratt explains how to price excavation and site work, concrete, carpentry, masonry, plumbing, heating, and electrical work, as well as the general expenses and sub-trade

work. He also covers the impact of green building practices. The book offers specifics on how to prepare a bill of materials from a takeoff, summarize and prepare a bid for a custom home, assess markup on an estimate, and review a bid before it is submitted to the client. It covers the basic math of residential work early on, devotes an entire chapter to remodeling, and provides tips of the trade from professionals in every chapter. In addition, the Second Edition is linked to a Student Companion Website, where instructors and students can access spreadsheets to assist in estimating tasks and problems. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Print Reading for Construction-

Walter Charles Brown 2012-03-01 Print Reading for Construction is designed to assist students in reading and understanding residential and commercial prints. The 2013 edition of this text has been extensively revised and features five

new print reading projects, including two new unit-based projects with end-of-unit activities and three new advanced projects at the end of the text. This practical text is suitable for vocational students, apprentices, and building trades workers who want to increase their knowledge of print reading and construction drawings. The combination text and workbook presents a thorough discussion of print reading techniques, starting with the basics of print reading and progressing to advanced topics. * Includes more than 125, 17" x 22" foldout prints, which provide learners with realistic on-the-job experiences. * Provides four comprehensive print reading projects at the end of the text. * Full color is used throughout the text to enhance student comprehension of the subject matter. The Instructor's Resource CD contains electronic versions of the foldout prints that accompany the Print Reading for Construction textbook. The electronic prints are provided in PDF format. These prints can be projected by the instructor during a lecture or used in place of the paper prints by the student when completing the print

reading activities.

Estimating and Tendering for Building

Work-Ronald Carl Smith 2013-12-19 "...my message to lecturers in building/quantity surveying is to 'put it on your course list for essential reading' and to students and practitioners 'buy it' " Building Technology & Management Provides a practical introduction to understanding the costs encountered on a building project together with an appreciation of the many factors influencing them.

Estimating Losses from Future Earthquakes- 1989-01-15

Green Building-RSMeans 2010-11-11 A unique cost reference, updated and expanded, for architects, engineers, contractors, building owners, and managers Green building is no longer a trend. Since the publication of the

widely read first edition of this book, green building has become a major advancement in design and construction. Building codes and standards have adopted much stricter energy efficiencies. Businesses, institutions, and communities have discovered huge savings, along with health and marketing advantages, in sustainable building. Private facilities, as well as public buildings for Federal, state, and local governments are increasingly required to design and build sustainably in both new construction and renovation. This Third Edition has been updated with the latest in green building technologies, design concepts, standards, and costs. The chapters, case studies, and resources give you practical guidance on green building, including the latest on: Green building approaches, materials, rating systems, standards, and guidelines Energy efficiencies, implementing energy modeling tools Designing and specifying, as well as commissioning, green building projects Often-specified products and materials, as well as a sample spec Goals and techniques for health, comfort, and productivity Evaluating the

cost versus value of green products over their life cycle Low-cost green strategies, and special economic incentives and funding Building deconstruction and cost considerations With a new chapter on greening of commercial real estate, this reference is a one-stop resource for the latest in green building approaches and implementation. The contributors, all prominent leaders in green building, include: Mark Kalin, FAIA, FCSI, author of the original GreenSpec Andy Walker, Ph.D., PE, senior engineer with NREL Joseph Macaluso, AACE, certified cost consultant

Construction Accounting and Financial Management-Steven J. Peterson 2011-12-27 CONSTRUCTION ACCOUNTING & FINANCIAL MANAGEMENT, 3/e helps construction professionals and construction management students master the principles of financial management, and adapt and apply them to the challenge of profitably managing construction companies. It integrates content that has

traditionally been taught through separate accounting, finance, and engineering economics texts. Students learn how to account for a construction company's financial resources; how to manage its costs, profits, and cash flows; how to evaluate different sources of funding a company's cash needs; and how to quantitatively analyze financial decisions. Readers gain hands-on experience through 220 example problems and over 390 practice problems, many of them based on situations actually encountered by the author. This edition adds more than 100 new discussion questions, and presents financial equations and accounting transactions more visually to support more intuitive learning.

Square Foot Costs with Rsmeans Data-

Rsmeans 2020-10-21 This easy-to-use guide gives you the building components required to develop accurate assemblies-level cost estimates, evaluate trade-off costs and verify unit price estimates. Be prepared to estimate any job with this indispensable cost reference. An accurate

estimate of costs to build your particular project depends on location, project scope, specific components used and current market conditions.

RSMeans Estimating Handbook-

RSMeans 2009-08-28 This comprehensive reference covers the full spectrum of technical data required to estimate costs for major construction projects. Widely used in the industry for tasks ranging from routine estimates to special cost analysis projects, the book has been completely updated and reorganized with new and expanded technical information. **RSMeans Estimating Handbook** will help construction professionals: Evaluate architectural plans and specifications Prepare accurate quantity takeoffs Compare design alternatives and costs Perform value engineering Double-check estimates and quotes Estimate change orders **FEATURES:** This new edition includes expanded coverage of: Construction specialties—green building, metal decking, plastic pipe, demolition items, and more Preliminary or square foot estimating tools

Updated city cost indexes to adjust costs—by trade—for 30 major cities
Historic indexes to factor costs for economic effects over time
Complete reorganization to the newest CSI MasterFormat classification system

Building Trades Printreading-Thomas E. Proctor 2000-03

2020 National Construction Estimator-

Richard Pray 2019-10 Current building costs for residential, commercial, and industrial construction. Estimated prices for every common building material. Provides manhours, recommended crew, and gives the labor cost for installation. Complete estimates for just about every item used in residential, commercial, or industrial construction." --

2018 National Construction Estimator-

Richard Pray 2017-10 66th Annual Edition -

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.

Estimating with Microsoft Excel-Jay C.

Christofferson 2010 The author takes readers through generating an estimating workbook in Microsoft Excel 2007 step by step to save time and avoid costly errors. The book includes

formulas for calculating common materials and other project costs. The accompanying CD contains sample Excel workbooks that address the various stages of the estimating process.

Modelling Forest Growth and Yield-Jerome K. Vanclay 1994 This book provides an introduction to growth modeling in mixed forests, with emphasis on the tropics. It is not intended as a 'how-to' manual with step-by-step instructions, as there is no single best way to model such forests. Rather it reviews different approaches, highlighting their strengths and limitations. It emphasizes empirical-statistical models rather than physiological-process type models, because of the proven utility of the former in forest

management. Each chapter includes exercises that can be completed manually or on PC and spreadsheet. The book will serve as a reference manual for practitioners and as a text for advanced level students taking courses in forest modeling.

Fundamentals of Construction Estimating-David Pratt 2011 An international edition of this product is available for sale overseas and in international markets.