



# Estimating Building Construction

**Yvon Chabot**



## **Estimating Building Construction:**

**Estimating Building Costs** Calin M. Popescu, Kan Phaobunjong, Nuntapong Ovararin, 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

## **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

*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 Building Costs** William Arthur, 1917      The New Building Estimator William Arthur, 1913

**The New Building Estimator** William Arthur, 2015-08-05 Excerpt from *The New Building Estimator A Practical Guide to Estimating the Cost of Labor and Material in Building Construction From Excavation to Finish With Various Practical Examples of Work Presented in Detail and With Labor Figured Chiefly in Hours and Quantities A Handbook for Architects* The Building Estimator of which the present book is an outgrowth had only 150 pages and an Index of two this edition contains 732 pages and an Index of seventeen In such a large work as this now is a good Index is of great value and it is suggested that it be frequently consulted The belief is that the increase in value has more than kept pace with the bulk An endeavor to keep down the thickness has been made by using a thinner paper than in former editions The field of building is always expanding and the author and publishers try to keep the New Building Estimator abreast of every progressive development Therefore in addition to the main part of the book dealing with the standard construction there are detailed figures on reinforced concrete and many chapters on Square Cubic Foot and Comparative Costs on Physical Valuation and Depreciation that serve alike for architects contractors insurance and other appraisers and railroad engineers Many states have already valued their railroads and the same work has been recommended by high authority for the nation at large while all the buildings of great cities like Philadelphia Cleveland St Paul Denver etc have been assessed on a square foot basis The figures are here put in compact form for the use of all The ordinary tabulated matter is given but there are also special tables for

quick calculation Including a series for estimating plaster An hourly Wage Table has been prepared for this edition in order to save weekly calculations The ordinary wage table is of no use to builders who pay by the hour only The book has from the first been received with favor by the trade press by architects railroad engineers contractors appraisers assessors students and others About the Publisher Forgotten Books publishes hundreds of thousands of rare and classic books Find more at [www.forgottenbooks.com](http://www.forgottenbooks.com) This book is a reproduction of an important historical work Forgotten Books uses state of the art technology to digitally reconstruct the work preserving the original format whilst repairing imperfections present in the aged copy In rare cases an imperfection in the original such as a blemish or missing page may be replicated in our edition We do however repair the vast majority of imperfections successfully any imperfections that remain are intentionally left to preserve the state of such historical works

The New Building Estimator William Arthur,1913 Estimating Building Costs Wayne J. DelPico,2004-08-02 Means catalog no 67343 P 4 of cover **Estimating Building Costs for the Residential and Light Commercial Construction Professional** Wayne J. Del Pico,2023-08-08 Estimating Building Costs Few aspects of a construction project are more fundamental than the cost estimate which can mean the difference between a professionally executed project and a financial and legal disaster Properly handled a construction cost estimate can protect both the contractor and the client from losing money on a project The estimate is the first step toward a successful project For contractors therefore the knowledge required to construct an accurate price estimate is critical Estimating Building Costs for the Residential and Light Commercial Construction Professional provides this knowledge in a thorough and comprehensive guide It takes readers step by step through the process of constructing a cost estimate and provides guidance for incorporating cost estimates into budgeting scheduling project management and more The result is a fundamental guide to this critical aspect of the construction industry Readers of the third edition of Estimating Building Costs for the Residential and Light Commercial Construction Professional will also find Fully updated text to reflect the new CSI MASTERFORMATM 2020 Analysis of cost considerations quantity takeoff pricing and more Step by step guidance for developing a comprehensive cost estimate All new sections covering scope of work wage scales in the US and a project overhead checklist Considerations for adding profit and contingencies to an estimate Estimating Building Costs for the Residential and Light Commercial Construction Professional is an essential resource for contractors in residential and light commercial construction as well as students studying construction management and construction estimating

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**Estimating in Building Construction** Frank R. Dagostino,Steven J. Peterson,2011 The seventh edition of this text continues to provide construction architecture and engineering students with the solid understanding of quantification they need before they advance to computerized estimating This edition uses extensive examples and exercises to demonstrate estimate methodology and organization Additionally charts illustrations and web links are employed throughout to assist in the student s understanding Book Jacket

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**Estimating Building Construction** William J. Hornung,1986 The New Building Estimator William Arthur,1917 *Building Construction Estimating* Stephen D. Schuette,Roger W. Liska,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 Building Costs** Charles Francis Dingman, 1923

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