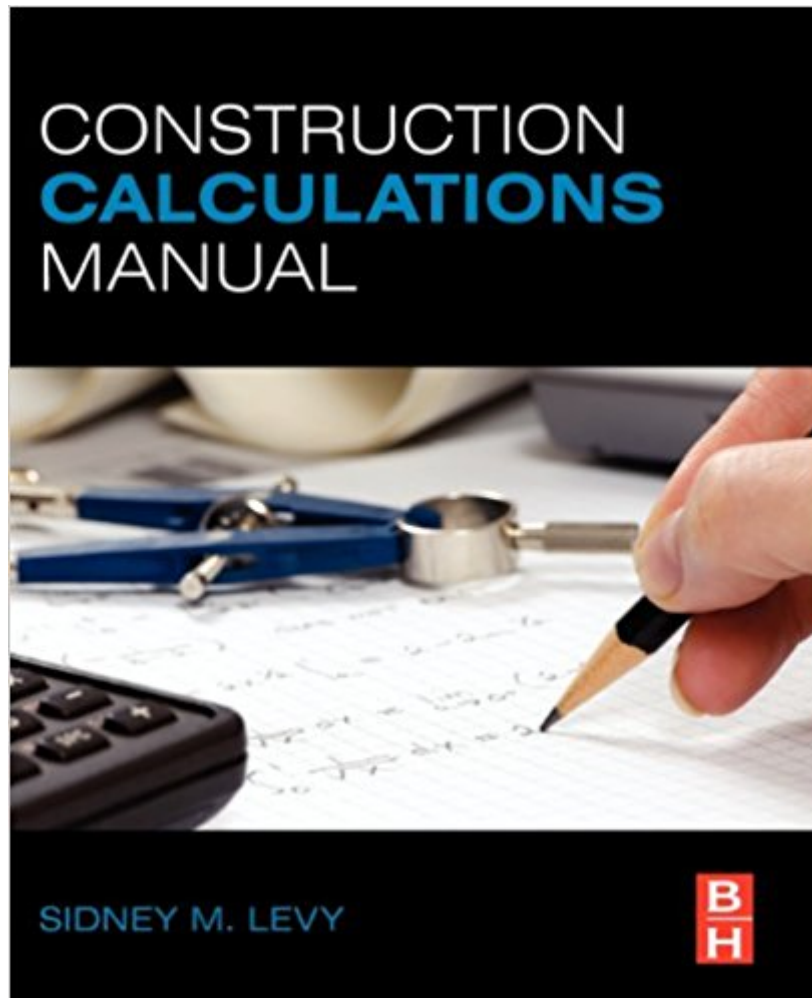




Ebook Directory
the best source of ebook

The book was found

Construction Calculations Manual



Synopsis

Construction Calculations is a manual that provides end users with a comprehensive guide for many of the formulas, mathematical vectors and conversion factors that are commonly encountered during the design and construction stages of a construction project. It offers readers detailed calculations, applications and examples needed in site work, cost estimation, piping and pipefitting, and project management. The book also serves as a refresher course for some of the formulas and concepts of geometry and trigonometry. The book is divided into sections that present the common components of construction. The first section of the books starts with a refresher discussion of unit and systems measurement; its origin and evolution; the standards of length, mass and capacity; terminology and tables; and notes of metric, U.S, and British units of measurements. The following concepts are presented and discussed throughout the book: Conversion tables and formulas, including the Metric Conversion Law and conversion factors for builders and design professionals Calculations and formulas of geometry, trigonometry and physics in construction Rudiments of excavation, classification, use of material, measurement and payment Soil classification and morphology, including its physicochemical properties Formulas and calculations needed for soil tests and evaluations and for the design of retaining structures Calculations relating to concrete and masonry Calculations of the size/weight of structural steel and other metals Mechanical properties of wood and processing of wood products Calculations relating to sound and thermal transmission Interior finishes, plumbing and HVAC calculations Electrical formulas and calculations Construction managers and engineers, architects, contractors, and beginners in engineering, architecture, and construction will find this practical guide useful for managing all aspects of construction. Work in and convert between building dimensions, including metric Built-in right-angle solutions Areas, volumes, square-ups Complete stair layouts Roof, rafter and framing solutions Circle: arcs, circumference, segments

Book Information

Paperback: 700 pages

Publisher: Butterworth-Heinemann; 1 edition (October 7, 2011)

Language: English

ISBN-10: 0123822432

ISBN-13: 978-0121822088

Product Dimensions: 7.5 x 1.4 x 9.2 inches

Shipping Weight: 2.5 pounds (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #3,586,430 in Books (See Top 100 in Books) #74 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Roofing #389 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Estimating #426 in Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Contracting

Customer Reviews

This book contains all the detailed calculations you would need regarding site work, piping and pipe fitting, cost estimation, and overall project management. This is a comprehensive one-stop-shop book is aimed at the construction professional in the Architectural Engineering and Construction sectors and is a valuable construction calculations guide ranging from most common to the very difficult. This text covers all aspects in construction; It's all in here. Topics include: Site work, concrete and masonry, steel and misc. metals, lumber (trim and framing), thermal & sound insulation, interior finishes, plumbing & HVAC, electrical calculations and unit conversion tables. If you are looking for an all inclusive reference book that furnishes all the above topic ranges then do not hesitate to include this essential book to your library. I am very pleased with my purchase.

[Download to continue reading...](#)

Pantry Stuffers Rehydration Calculations Made Easy: U.S. Measurements / Pantry Stuffers Rehydration Calculations Made Easy: Metric Measurements Demystifying Opioid Conversion Calculations: A Guide for Effective Dosing (McPherson, Demystifying Opioid Conversion Calculations) Construction Calculations Manual 2016 National Construction Estimator (National Construction Estimator) (National Construction Estimator (W/CD)) Construction Contract Dispute and Claim Handbook, Introduction, and Division 01: A Primer on the Nature of Construction Contract Disputes for Attorneys, ... (Construction Contract Dispute Handbook) Glass Construction Manual (Construction Manuals (english)) Electrician's Calculations Manual, Second Edition (P/L Custom Scoring Survey) Water and Wastewater Calculations Manual Rolls-Royce Merlin Manual - 1933-50 (all engine models): An insight into the design, construction, operation and maintenance of the legendary World War 2 aero engine (Owners' Workshop Manual) RMS Titanic Manual 1909-12 (Olympic Class): An insight into the design, engineering, construction and history of the most famous passenger ship of all time (Owners' Workshop Manual) NASA Space Shuttle Manual: An Insight into the Design, Construction and Operation of the NASA Space Shuttle (Owners' Workshop Manual) Smith, Currie and Hancock's Common Sense Construction Law: A Practical Guide for the

Construction Professional Construction Defect Claims: Handbook for Insurance, Risk Management, Construction/Design Professionals Construction Management JumpStart: The Best First Step Toward a Career in Construction Management Carpentry & Building Construction Student Edition (CARPENTRY & BLDG CONSTRUCTION) Building Construction Cost with Rsmeans Data (Means Building Construction Cost Data) RSMeans Building Construction Cost Data 2012 (Means Building Construction Cost Data) The Construction MBA: Practical Approaches to Construction Contracting Building Construction Cost Data (Means Building Construction Cost Data) The Blue Book Network Guide to Construction Costs 2014 (Architects, Contractors, Engineers Guide to Construction Costs)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)