

QUANTITY SURVEYING

Q: Prepare an estimate of the building shown below:

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Door D : 1.20 x 2.10
Window W : 1.00 x 1.50

Wall thickness = 30cm

Ans:

Sl. No.	Item of work	No.	L	B	H	Quantity	Remarks
1.	Earthwork in excavation using manual or mechanical means, for foundation trenches	1	39.50	0.60	0.80	18.96 m ³	Assume foundation trench 60cm wide & 80cm deep. Centerline lengths outer : (4.00 + 6.00 + 0.30 + 6.00 + 0.30) x 2 = 33.80m Inner = (6.00 + 0.30) - 0.60 = 5.70m Total c/l length = 39.50m
2.	Plain Cement Concrete of mix 1:4:8 in foundation	1	39.50	0.60	0.20	4.74 m ³	Assume 20cm thickness c/l Length same as above = 39.50m
3.	Random Rubble Masonry in cement mortar 1:6. (a) In Foundation (b) In Basement	1 1	39.50 39.65	0.60 0.45	0.60 0.45	14.22 m ³ 8.02 m ³ <u>22.25 m³</u>	Assume foundation of 60cm width & 60cm depth. Basement of size 45 x 45 cm. c/l for foundation outer = 33.80m inner = (6.00 + 0.30) - 0.60 Total = 39.50m c/l for Basement outer = 33.80m inner = (6.00 + 0.30) - 0.45 Total = 39.65m

Quantity Surveyor Formulas

J Spring



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Construction Quantity Surveying Donald Towey, 2012-05-18 The modern quantity surveyor QS plays a central role in the management of construction projects although the exact nature of the role depends on who employs the QS The Professional Quantity Surveyor engaged by the client and the Contractor s Quantity Surveyor have different roles to play in any construction project with the contractor s QS role extending beyond measurement to the day to day running of building projects estimating contract administration and construction planning as well as commercial cost and project management This book aims to provide readers with a practical guide into quantity surveying from a main contractor s perspective Readers will acquire an understanding of the skills and competencies required by the contractor s quantity surveyor Following a brief introduction the book s early chapters cover measurement methodology and the contractor s business with the rest of the chapters discussing commercial and contractual management of a construction project including day to day running from commencement through to completion in a highly practical way Construction Management JumpStart Barbara J. Jackson, 2010-06-03 Launch your career in construction management with this one of a kind book The construction management industry is expected to increase employment by 16 percent over the next decade This second edition of a bestselling introduction to construction management walks you through each stage of the construction management process Written from the constructor s perspective this book will familiarize you with all the construction management fundamentals and how Building Information Modeling BIM is impacting the construction management profession Covers interoperability of technology advances in the construction industry Explains how BIM is challenging the traditional approach to project delivery and how this affects the constructor s role Elaborates each stage of the design and construction process and the tasks associated with each of them Shows step by step how to estimate project costs administer contracts manage job site and construction operations plan and schedule a project monitor project performance manage project quality and safety and assess project risks Provides review questions at the end of each chapter to help enforce understanding The tried and true project management principles presented in this book will help ensure you a successful start to your career *A Complete System for Estimating the Quantities and Costs of Frame and Brick Houses* Alfred J. Donley, 1926 **The JCT 05 Standard Building Contract** Issaka E. Ndekugri, Michael E. Rycroft, 2009 This title helps clarify complex areas of the JCT 05 standard building contract making it an essential reference for professionals seeking to update their knowledge The book works through the contract issues thoroughly yet clearly using case law examples to demonstrate the latest amendments in regards to the Construction Act Architect's Legal Handbook Anthony Speaight, Gregory Stone, 2014-05-15 Architect s Legal Handbook The Law for Architects Fifth Edition is a collection of papers including those on International Work by Architects on European community Law affecting Architects and the Architects Professional Indemnity Insurance This collection is a comprehensive guideline to laws in England Scotland and the European community This handbook seeks to make architects

more aware of where possible legal pitfalls may lurk Coverage is updated to include changes in English Law Scottish Law English Law of Contract the Law of Tort Architect s Appointment and Collateral Warranties Architects Liability English and Scottish Land Laws and the Standard Building Contracts in England The origins and sources of the laws and the basic principles are explained which guide the reader into how these are applied in the architects relations with their clients and clients contractors A wider discussion is given on the topic of collateral warranties incorporation options and legal organizations such as partnerships and limited companies Upon the formation of the European Community institutions and treaties have arisen so a review of technical harmonization and standards right of establishment and freedom to provide services product liability and consumer protection is provided in order The international workplace for British architects is also discussed covering most countries in Europe This collection of papers will prove useful for architects and engineers especially those who want to put up their own architectural firms The book can be likewise an informative source for architectural students lawyers and professors in business and commercial law

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