

07-Bld-A1, Elementary Structural Analysis

Aslam Kassimali, Structural Analysis PWS Publishers Latest Edition ISBN # 0534950469

07-Bld-A2, Elementary Structural Design

Handbook of Steel Construction, Current Edition, Canadian Institute of Steel Construction

Concrete Design Handbook, Current Edition, Canadian Portland Cement Association

Wood Design Manual, Current Edition, Canadian Wood Council, Ottawa Tel: 613-247-7077

07-Bld-A3 , Construction Engineering

Project Management: A managerial approach (7th Ed.) by Jack R. Meredith and J. Mantel. published by Wiley ISBN -13 978-0471-715375

Managing construction: The contractual viewpoint by K. Collier. published by Delmar Learning. ISBN-10 0-471-71537-9

Managing the Construction Process: Estimating, Scheduling, and Project Control. by Gould, F. E. published by Prentice Hall.

07-Bld-A4, Building Engineering Systems

Civil and Environmental Engineering Systems, Charles S. Revelle, E. Earl, Whitlatch and Jeff R. Wright, 2nd edition, 2004, Pearson Prentice Hall.

Heating, Ventilating and Air Conditioning: Analysis and Design, F. C. McQuiston, J.D. Parker, and J. D. Spittle, 6th Edition, Wiley, 2005.

Heat Transfer, A.F. Mills, Prentice Hall, 1999

Engineering Principles of Acoustics, Noise and Vibration Control, Douglas D Reynolds, Pearson Allyn & Bacon, 1981.

Illumination Engineering by J. P. Murdoch 2nd Ed., Vision Communications, New York, 2000

07-Bld-A5, Building Science

JF Straube and Eric Burnett, Building Science for Building Enclosures, **Publisher:** Building Science Press, December 2005

ISBN-10: 0-97555127-4-9, **ISBN-13:** 978-0-9755127-9-1

Building Science: Concepts and Applications by Jens Pohl, published by Wiley, SBN: 978-0-470-65573-3.

Moisture Control Handbook: Principles and Practices for Residential and Small Commercial Buildings, by Joseph Lstiburek and John Carmody, published by Wiley, ISBN: 978-0-471-31863-7

07-Bld-A6, Geotechnical Materials and Analysis

R.F. Craig, Soil Mechanics, 5th Edition, Chapman Hall

B.J. Das, Principles of Geotechnical Engineering, 4th Edition, PWS-Kent

Bld-A7, Building Envelope Design

Architectural Precast Concrete: Walls and Structure, Best Practice Guide (revised 2006)

Brick Veneer Concrete Masonry Unit Backing, Best Practice Guide, Building Technology (1997).

Brick Veneer Steel Stud, Building Technology – BVSS, CMHC, ISBN 0-660-16532-5, Cat. No. NH15-132/1996E.

Glass and Metal Curtain Walls, Best Practice Guide, Building technology (re-printed 2005).

Wood-frame Envelopes, Best Practice Guide, Building Technology (Revised 2006).

<https://www.wbdg.org/systems-specifications/building-envelope-design-guide>

07-Bld-B1 Computer Programming

Excel VBA programming for dummies by John Walkenbach

BIM Handbook A Guide to Building Information Modeling for Owners, Designers, Engineers, Contractors, and Facility Managers By Rafael Sacks, Charles Eastman, Ghang Lee, Paul Teicholz

Construction Project Monitoring and Evaluation An Integrated Approach By Callistus Tengan, Clinton Aigbavboa, Wellington Didibhuku Thwala

Construction 4.0 Advanced Technology, Tools and Materials for the Digital Transformation of the Construction Industry By Marco Casini

07-Bld-B2, Advanced Structural Analysis

Ghali & A.M. Neville, Structural Analysis, Chapman & Hall, 4th Edition, John Wiley & Sons, New York, 1998 (edited by Garas & Virdi).

07-Bld-B3, Advanced Structural Design

G.L. Kulak & M.I. Gilmore, Limit States Design in Structural Steel, 6th Edition, Canadian Institute of Steel Construction, 1998

Michel Bruneau, Chia-Ming Uang, Andrew Stuart Whittaker, Ductile Design of Steel Structures – McGraw Hill Co. 1998

Edward G. Nawy, Prestressed Concrete: A Fundamental Approach, 5th edition, Prentice Hall, 2005

C.K. Wang et al, Reinforced Concrete Design, 6th Edition, Harper and Row, 1998

Handbook of Steel Construction, 7th Edition, Canadian Institute of Steel Construction, 1997

07-Bld-B5: Fire and Smoke Control in Buildings

Handbook of Smoke Control Engineering Hardcover – July 1 2012 by [ASHRAE](#)

07-Bld-B6 Building Energy Conservation Technologies

Energy Efficient Buildings with Solar and Geothermal Resources by Ursula Eicker, ISBN: 978-1-118-35224-3.

This book is published by Wiley, and can be found on Amazon: here is the link

http://www.amazon.com/Energy-Efficient-Buildings-Geothermal-Resources/dp/1118352246/ref=sr_1_fkmr0_1?ie=UTF8&qid=1447355679&sr=8-1-fkmr0&keywords=Energy+Efficient+Buildings+with+Solar+and+Geothermal+Resources+by+Ursula+Eicker%2C+ISBN%3A+978-1-118-35224-3

07-Bld-B7, Indoor Air Quality

Yuanhui Zhang, "Indoor Air Quality Engineering", ISBN 1-56670-674-2

07-Bld-B9, Building Services

Dean Heerwagen (2004), Passive and Active Environmental Controls – Informing the schematic designing of buildings, McGraw Hill, ISBN 0-07-250173-1

B. Stein et. al. Mechanical and Electrical Equipment for Buildings, Wiley, ISBN 0-4710046591-7

Norbert Lechner (2004), Heating, Cooling, Lighting – Design Methods for Architects (Second Edition), John Wiley & Sons, ISBN 0-471-24143-1javascript:parent.send('smtp')

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