

Research Guide: Professional Reference Sources in Architecture

This is a guide to selected reference works used in the professional practice of architecture located in the USC Architecture and Fine Arts Library (AFA) in Watt Hall. For additional material, consult the USC Libraries home page, www.usc.edu/libraries.

In addition to this guide, there is also a similar guide to sources in Landscape Architecture.

Guides to Professional Practice

The Architect's Handbook of Professional Practice. New York: Wiley, 2001
LOCATION: AFA [Circ Desk] NA1996.A726 2001

The Architect's Handbook of Professional Practice: Update 2004. New York: Wiley, 2004
LOCATION: AFA [Circ Desk] NA1996.A726 2004

O'Hara, Steven and David K. Ballast. *Architecture Exam Review*. 2 vols. Belmont, CA: Professional Publications, 2005.

LOCATION: AFA [Circ Desk] NA123.B35 2005

Study guide for the Architect Registration Examination given by the NCARB. Volume one covers structural topics such as structural systems, loads, trusses, connections, construction methods, exterior forces. Volume two (non-structural topics) includes mathematics, design, systems (plumbing, electrical, acoustics), materials, specifications, contracts, etc.

O'Leary, Arthur F. *A Guide to Successful Construction: Effective Administration*. Anaheim, CA: BNI Building News, 1997.

LOCATION: AFA [Reference] TH438.O45 1997

Guide for architects in negotiating construction contracts. Uses standard AIA contracts as basis for procedures discussed.

Sabo, Werner. *Legal Guide to AIA Documents*. 3rd ed. New York: Wiley, 1991.

LOCATION: AFA [Reference] KF902.A3S23 1991

Written as a supplemental guide for architects to use as a reference when drafting the Owner-Architect Agreement, the General Conditions, Supplemental Conditions and the Owner-Contractor Agreement from the professional practice documents in the Architects Handbook of Professional Practice. Provides detailed explanations and examples of each statement in the contract.

Dictionaries/Encyclopedias

Encyclopedia of Architecture, Design, Engineering and Construction. 5 vols. New York: Wiley, 1988

LOCATION: AFA [Reference] NA31.E59 1988

The target audience of this encyclopedia is the professional in the fields of architecture, engineering, and construction. Covers architecture and engineering from the standpoints of design, education, regulation, as well as the construction industry, law, and economic considerations. Articles are written by professionals and include bibliographies. There is a subject and name index.

Encyclopedia of the Vernacular Architecture of the World. 3 vols. Cambridge: Cambridge University Press, 1997.

LOCATION: AFA [Reference] NA208.E53 1997

Glossaries

Ballast, David Kent. *Architecture, Design, and Construction Word Finder*. Englewood Cliffs, NJ: Prentice-Hall, 1991.

LOCATION: AFA [Reference] NA31.B34 1991

A list of over 12,500 terms used in architecture, interior design and construction. The first section lists terms alphabetically with proper pronunciation at the right. Also included are sections on 1) abbreviations in the field; 2) abbreviations used in architectural drawings; 3) drawing terminology; 4) the Masterformat list of section numbers and headings; and 5) trade associations. This resource is most valuable for the abbreviation definitions.

Dictionary of Architectural Abbreviations, Signs and Symbols. New York: Odyssey Press, 1965.

LOCATION: AFA [Reference]; Doheny [Book Stacks] NA31.D53

A comprehensive dictionary of abbreviations, signs and symbols used by architects and builders or in architectural plans or drawings. Included are sections on abbreviations used in text (listed alphabetically by abbreviation, definition, name and sign); abbreviations for unions, associations and societies, and degrees; letter symbols; abbreviations for use on drawings and maps; and graphic symbols used on plans and drawings.

Hornbostel, Caleb. *Construction Materials: Types, Uses, and Applications*. New York: Wiley, 1991.

LOCATION: AFA [Reference] TA403.H59 1991

Contains lengthy, detailed, scientific definitions of construction materials with tables and illustrations.

Stein, J. Stewart. *Construction Glossary*. New York: Wiley, 1993.

LOCATION: AFA [Reference] TH9.S78 1993

Defines terms in the construction industry. Divided into 16 sections according to materials, structural elements, equipment, systems, etc. Also includes definitions on professional services, construction categories, and technical-scientific data. Appendices on construction term abbreviations, weights and measures, and carpentry abbreviations.

Handbooks: Design

Allen, Edward. *Fundamentals of Building Construction: Materials and Methods*. 4th ed. Hoboken, NJ: John Wiley & Sons, 2004.

LOCATION: AFA [Circ Desk] TH145.A417 2004

Focuses on the materials and methods used in building construction. Emphasizes common construction systems such as light wood frames, masonry bearing walls, steel frames, and reinforced concrete, green design and energy-efficient construction techniques. Based on the International Building Code.

Ambrose, James E. *Building Construction and Design*. New York: Van Nostrand Reinhold, 1992.

LOCATION: AFA [Circ Desk] TH145.A58 1992

The text integrates the elements of architectural components, materials, construction elements, construction enhancement, and basic structural systems. Ambrose presents case studies and provides a practical appendix on soil properties and behavior.

Ambrose, James E. *Building Structures*. 2nd ed. New York: Wiley, 1993.

LOCATION: AFA [Circ Desk] TA658.A49 1993

Illustrates concepts, relationships and basic processes of architectural design. Emphasizes concerns of professional designers who must cope with practical problems of how to make plans for sensible buildings and determine construction details for a specific type of edifice. This edition updates all standard reference codes, industry regulations, design procedures and current products. Features demonstration examples of the development of structural systems for two buildings from preliminary planning to construction detailing.

Ballast, David Kent. *Architect's Handbook of Construction Detailing*. Englewood Cliffs, NJ: Prentice-Hall, 1990.

LOCATION: AFA [Circ Desk] TH2031.B35 1990

Ready-to-use information about critical building details to aid in the production of construction drawings.

Ching, Frank. *Architectural Graphics*. 4th ed. New York: John Wiley, 2003.

LOCATION: AFA [Circ Desk] NA2700.C46 2003

Ching, Frank. *Building Construction Illustrated*. 2nd ed. New York: Van Nostrand Reinhold, 1991.

LOCATION: AFA [Circ Desk] TH146.C52 1991

Hornbostel, Caleb. *Construction Materials: Types, Uses, and Applications*. New York: Wiley, 1991.

LOCATION: AFA [Reference] TA403.H59 1991

Preiser, Wolfgang F. E. *Universal Design Handbook*. New York: McGraw Hill 2001.

LOCATION: AFA [Circ Desk] NA2545.A1U55 2001

One-stop reference to both American and international universal design standards. CD-ROM includes new American with Disabilities Act code requirements, illustrated standards, checklists, and technical fact sheets, ready for downloading. Covers guidelines from buildings to telecommunications.

Shaeffer, R. E. *Elementary Structures for Architects and Builders*. 4th ed. Upper Saddle River, NJ: Prentice hall, 2002.

LOCATION: AFA [Reference] TA645.S479 2002

Introduction to structural analysis. The presentation is mostly quantitative.

Walker, Theodore D. *Site Design and Construction Detailing*. New York: Van Nostrand Reinhold, 1992.

LOCATION: AFA [Circ Desk] TH375.W35 1992

Handbooks: Standards

De Chiara, Joseph and John H. Callendar. *Time Saver Standards for Building Types*. 4th ed. New York: MacGraw-Hill, 2001.

LOCATION: AFA [Circ Desk] TH2760.D42 2001

Handbook for the architectural planning of buildings. Intended to assist in the process of designing the building and ensuring the building functions properly for its particular use. Entries for each building type contain descriptions and illustrations or plans of components necessary for designing building facilities (e.g., circulation patterns, site planning, landscaping).

De Chiara, Joseph, Julius Panero and Martin Zelnik. *Time Saver Standards for Interior Design and Space Planning*. New York: McGraw-Hill, 2001.

LOCATION: AFA [Circ Desk] NK2110.D35 2001

De Chiara, Joseph, Julius Panero and Martin Zelnik. *Time Saver Standards for Housing and Residential Development*. 2nd ed. New York: McGraw Hill, 1995.

LOCATION: AFA [Circ Desk] NA9051.T55 1995

De Chiara, Joseph and Lee E. Koppelman. *Time-Saver Standards for Site Planning*. New York: McGraw-Hill, 1984.

LOCATION: AFA [Circ Desk] NA2540.5.D4 1984

Dines, Nicholas T. and Kyle D. Brown. *Time Saver Standards for Landscape Architecture*. 10th ed. New York: McGraw-Hill, 2002.

LOCATION: AFA [Circ Desk] Microdisk no. 539

The 1998 print edition, SB475.9.S72T55 1998, is also shelved in the AFA Circ Desk section.

Garrison, Elena. *The Graphic Standards Guide to Architectural Finishes: Using Masterspec to Evaluate, Select, and Specify Materials*. New York: J. Wiley, 2002.

LOCATION: AFA [Circ Desk] TH2521.G69 2002

Standards for flooring, ceiling, paneling, and drywalls.

McGowan, Maryrose. *Interior Graphic Standards*. Hoboken: John Wiley, 2003.

LOCATION: AFA [Circ Desk] TH2031.M34 2003

Means Graphic Construction Standards. Kingston, MA: R. S. Means Co., 1986.

LOCATION: AFA [Circ Desk]; VKC [Reference] TH435.M428 1986

Contains detailed graphic information on construction materials in relationship to one another or as an assembly or part of a system.

Pressman, Andy. *Architectural Graphic Standards*. 11th ed. New York: Wiley, 2007.

LOCATION: AFA [Circ Desk] TH2031.A84 2007

The bible for standards in all areas of building, construction and architectural design. The book is organized according to the principles of Masterformat, published by the Construction Specifications Institute. Includes chapters on general planning and design data, sitework, standards for specific materials (wood, metals, masonry, concrete), systems (mechanical, electrical, etc.), furnishings, equipment, structural elements (doors, windows), and conveying systems. Since the 8th edition has added chapters on sports, energy and historic preservation. The 2000 edition contains a CD-ROM.

Scott, James G. *Architectural Building Codes: A Graphic Reference*. New York: Van Nostrand Reinhold, 1997.

LOCATION: AFA [Reference] KF5701.S38 1997

A guide to US building laws. Approaches codes and standards from a theoretical point of view and then provides them with practical grounding. The library also contains a variety of Uniform Building codes. They are listed in the USC libraries' catalog, HOMER (<http://library.usc.edu>)

Steffy, Gary R. *Time Saver Standards for Architectural Lighting*. New York: McGraw Hill, 2000.

LOCATION: AFA [Circ Desk] TK4188.S753 2000

U.S. Green Building Council. *Commercial Interiors, Version 2.0: Reference Guide*. 3rd edition. Washington, DC: U.S. Green Building Council, 2006.
LOCATION: AFA [CIRC DESK] NA2542.36.U84 2006

U.S. Green Building Council. *Core & Shell Development, Version 2.0: Reference Guide*. 1st edition. Washington, D.C.: U.S. Green Building Council, 2006.
LOCATION: AFA [CIRC DESK] NA2542.36.U84 2006b

U.S. Green Building Council. *Existing Buildings, Version 2.0: Reference Guide*. 2nd edition. Washington, D.C.: U.S. Green Building Council, 2006.
LOCATION: AFA [CIRC DESK]: TH880.U84 2006

Watson, Donald, et al. *Timesaver Standards for Architectural Design: Technical Data for Professional Practice*. New York: McGraw-Hill, 2005.
LOCATION: AFA [Circ Desk] TH151.T55 2005

Directories

American Institute of Architects. *Pro-File*. Topeka, KS: Archimedia, 1983- Bi-annual,
LOCATION: AFA [Circulation Desk] NA53.P76
Pro-File contains listings of architectural firms in the United States and the names, addresses and firm affiliations of AIA members. Entries are listed geographically by state and city. Each entry includes the firm's address and phone number, principal architects, personnel by discipline and work distribution. AFA has the latest 2 years.

California Board of Architectural Examiners. *Roster of Licensed Architects*. Sacramento: California Board of Architectural Examiners, 1986- Annual.
LOCATION: AFA [Reference] NA124.C2A28
Alphabetical list of architects licensed in the state of California. Includes address, license number, type and expiration date.

Indexes (How to Find Articles)

Avery Index to Architectural Periodicals.

USC Electronic Resources, <http://www.usc.edu/libraries>. Select the databases link.

A comprehensive listing of journal articles published worldwide on architecture and design, archaeology, city planning, interior design, and historic preservation. Coverage is from the 1930s (with selective coverage dating back to the 1860s) to the present. Includes the *Burnham Index to Architectural Literature*.

Compendex (Engineering Village 2), 1970-

USC Electronic Resources, <http://www.usc.edu/libraries>. Select the databases link.

CompendexWeb is the most comprehensive bibliographic database of engineering research literature, containing references to over 5000 engineering journals and conferences.

ICONDA (International Construction Database), 1976-

USC Electronic Resources, <http://www.usc.edu/libraries>. Select the databases link. Indexes close to 600 periodicals in all aspects on planning and building. Specifically covers architecture design and planning; construction of industrial, commercial, and residential structures; structural design; material properties and testing; public works and major construction projects; urban planning; finance and management; soil mechanics and geotechniques; maintenance, restoration, and conservation techniques; construction equipment and methods; CAD (Computer-Aided Design)

Specifications and Trade Literature

Blue Book. *Building and Construction; Los Angeles, Ventura, Kern, and Santa Barbara Counties*. Jefferson Valley: NY: Contractors Register, Inc., 1989- Annual

LOCATION: AFA [Stacks] TH13.C2B58

Contains a classified and alphabetical list of general contractors, subcontractors, architects, engineers, material and equipment dealers, manufacturers, and providers of construction related services. AFA has 2000.

Building Construction Cost Data. Duxbury, MA: Robert Snow Means Co., 1942-

LOCATION: AFA [Reference] TH435.B84

Helps quickly estimate the cost of building elements. AFA has the 2002 edition.

National Construction Estimator. Carlsbad, CA: Craftsman Book Co. 1942- Annual

LOCATION: AFA [Reference] TH435.N3

Lists estimated construction costs to general contractors nationwide. Includes costs for materials, services, equipment, labor, and taxes and insurance. AFA has 2004.

Sweet's Catalogue File. New York: McGraw-Hill. Annual.

LOCATION: AFA [Reference] TH455.S7864

Bound volumes of catalogues and flyers from various product manufacturers. Arranged by specification numbers from MASTERSPEC (American Institute of Architects) and SPECTEXT (Construction Specification Institute). Very useful for illustrative material of various products. AFA keeps latest year only.

Getting Help

Ask a Librarian

http://www.usc.edu/libraries/services/ask_a_librarian/

or

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