

Architecture: Images, Maps & Plans

Research Guide

University Libraries

052306/HB

Imaging and Mapping Resources

Maps, GIS and Cartographic Data at Newman Library <http://www.lib.vt.edu/help/subjects/maps/gis.html>

For assistance with these collections and services, contact:

Bruce Obenhaus, Government Information Specialist
 E-mail: obenhaus@vt.edu
 Library Phone: (540) 231-1681
 Newman Library Office: Room 2005

Geographic Services at Newman Library (including GIS hardware, software and services; VA Base Mapping Program)
 Ed Brooks
 E-mail: gisdata@vt.edu
 Library Phone: (540) 231-9225
 Newman Library, 2nd floor in Room 2010

Aerial Imagery - Virginia Base Mapping Program

http://www.lib.vt.edu/help/subjects/maps/vbmp_ortho.htm

On January 29, 2002, the Commonwealth contracted with VARGIS LLC. of Herndon, Virginia to produce full color, leaf-off, digital orthophotography for the entire land base of Virginia. VARGIS LLC and their subcontractors successfully captured aerial imagery for the entire state of Virginia, over 27,000 frames in 6 weeks time ending in April 2002.

Newman Library has these statewide products:

- 1:4,800 scale (2' resolution) in rural areas
- 1:2,400 scale (1' resolution) in urban and suburban areas and
- 1:1,200 scale (1/2' resolution) in areas where localities choose the option to purchase higher accuracy product.
- 1 - Meter Statewide MrSID
- Statewide Digital Terrain Models (DGN)

Architectural Plans

The Art and Architecture Library has a collection of over 400 architecture plan sets. To find out what plans are in the collection, search the Art & Architecture Drawings Database: <http://www.lib.vt.edu/services/branches/artarch/aadd/search.php> Please ask library staff for assistance with this collection.

Locating Images in Journals/Magazines

Avery Index to Architectural Periodicals The Avery Index is the most comprehensive index of its kind - covering architecture, landscape architecture and urban design. Avery indexes over 1,000 scholarly and professional journals from the 1870's to the present. Link to the Avery Index from the Articles/Databases link on the library website (<http://www.lib.vt.edu/>).

To locate photographs, drawings, maps, plans, etc., included in articles use the "Limit" option in the Avery Index and limit your search to the type of illustration you are looking for – this option is located at the bottom of your search results:

Types of Illustrations (Avery)

Aerial photos
 Axonometric drawings
 Charts
 Computer drawings
 Details
 Diagrams
 Drawings

Elevations
 Figures
 Graphs
 Ill. (older articles cited in Avery use the broader category Illustrations)
 Isometric drawings
 Maps

Models
 Photos
 Plans
 Ports. (Portraits)
 Reconstructions
 Sections
 Site plans
 Sketches

For example:

These limits apply only to the Avery Index to Architectural Periodicals database

Publication Type
book review
exhibition review

Language
afrikaans
apache languages

Physical Description
charts
computer drawings

Show: Results per page:

Search Tools: [Combine Searches](#) | [Alerts](#) | [History](#) | [Command Search](#) | [Thesaurus](#) | [Indexes](#)

Books: Search in Addison using these keywords for more heavily illustrated books on architecture: Architecture and pictorial works.

- ***American Architectural Masterpieces: An Anthology Comprising Masterpieces of Architecture in the United States, American Architecture of the Twentieth Century.*** New York: Princeton Architectural Press, 1992. Includes views, plans, elevations and details. (NA705 A485 1992 ART/ARCH FOLIO)
- ***America Preserved: A Checklist of Historic Buildings, Structures, and Sites Recorded by the Historic American Buildings Survey/Historic American Engineering Record.*** 60th anniversary ed. Washington, D.C.: Library of Congress, Cataloging Distribution Service, 1995. (E159 A37 1995 ART/ARCH REF)
- ***Architecture in Detail* series.** Each piece in this series examines a contemporary building. Search Addison, the online library catalog for the title: Architecture in Detail to get a list of publications available in this series.
- **Cities/Buildings Image Database:** <http://www.washington.edu/ark2/>
- ***Comparative Analysis of 20th-Century Houses.*** Hideaki Haraguchi. London: Academy Editions, 1988. Axonometric drawings of important houses. (NA7125 H381 1989 ART/ARCH)
- ***Contemporary Masterworks.*** Colin Naylor, ed. Chicago: St. James Press, 1991. Contemporary arts series. Photographs, essays, bibliographies and occasionally plans for approximately 100 "classic" buildings. Separate sections for works of art, photography and design also included. (N6490 C65675 1991 ART/ARCH REF)
- ***Details of Modern Architecture.*** Edward R. Ford. Cambridge, Mass.: MIT Press, 1990. 2 vols. (NA2840 F67 1990 ART/ARCH Reserve)
- ***Drawings of Great Buildings.*** Werner Blaser, ed. Basel: Birkhauser, 1983. (NA2706 U6 D72 1983 ART/ARCH REF and Stacks)
- ***Global Architecture.*** Tokyo: A.D.A. Edita. No.1 (1970)-- . Index nos. 1-67, 1970-85. (Located on reserve and in folio stacks - ART/ARCH. Search Addison for the title: *Global Architecture* to see a complete listing.)
- ***Landscape Architecture: An Illustrated History in Timelines, Site Plans, and Biography.*** William A. Mann. NY: John Wiley, 1993. (SB470.5 M37 1993 ART/ARCH)
- ***The Landscape of Man: Shaping the Environment from Prehistory to the Present Day.*** Geoffrey and Susan Jellicoe. New York, N.Y.: Thames and Hudson, 1995. (SB470.5 J43 1995 ART/ARCH)
- ***Phaidon Atlas of Contemporary World Architecture.*** London: Phaidon, 2004. (NA687 P43 2004 ART/ARCH Reference Folio)
- ***Planet Architecture Series.*** A series of interactive CD-ROMs, each focusing on a specific architect or firm. Search Addison, the online library catalog for the title: Planet Architecture to get a list of CD-ROMs available in this series.

- **Scale Models: Houses of the 20th Century.** Friedrich Kurrent, ed; [translation from German into English, Gail Schamberger. Boston; Basel; Berlin: Birkhauser, 1999. (NA7125 R3813 1999 ART/ARCH)
- **Single Building Series.** Gloucester, Mass.: Rockport Publishers ; Cincinnati, Ohio : Distributed to the book and art trade in the U.S. by North Light Books, c1999. Each piece in this series examines a contemporary building. Do a title search in Addison for *Single Building* to get a complete list of the titles in this series.
- **World Architecture Index: A Guide to Illustrations:** Indexes roughly 7,200 architectural works reproduced in 100(+) books covering architecture, engineering and planning. Provides citations to works containing reproductions of exterior and interior views, plans, elevations and sections. The titles of the works that are indexed are abbreviated. Consult the abbreviation key at the front of the index.
- **World Atlas of Architecture.** Boston, Mass.: G.K. Hall, 1984. (NA200 W67 1984 ART/ARCH REF)

Architectural Guidebooks: Architectural Guidebooks may offer historical background, maps of the area, walking tour itineraries, photographs, and drawings. To locate guidebooks in Virginia Tech libraries, search ADDISON using the following subject headings:

Architecture – Guidebooks
 Architecture – (country/state) – (city/county) – Guidebooks
 Buildings – (country/state) – (city/county) – Guidebooks
 Historic Buildings – (country/state) – Guidebooks
 Historic Sites – (country/state) – Guidebooks
 Monuments – (country/state) – Guidebooks
 City (country) – Guidebooks

Websites, Databases & CD-ROMs

- **Architecture, Design, and Engineering: Library of Congress Prints and Photographs Portfolio 5:** <http://lcweb.loc.gov/rr/print/guide/port-5.html>
- **American Landscape and Architectural design, 1850-1920 (Lib of Congress/Harvard Univ):** <http://memory.loc.gov/ammem/award97/mhsdhtml/aladhome.html>
- **Emporis Research Database (VT subscribes):** [Link to the complete version of Emporis from the library's website under "Articles/Databases"](#). Updated weekly, this database provides data on architecture, construction, and real estate developments from all over the world. Search by company (consultancies, contractors, design firms, engineering firms, suppliers), building type, style, construction timeframe (complete, under construction, approved, proposed, demolished, visionary, on hold), exact location and address, total height, structural height, number of floors and cubical space, date of construction project, structural system, materials, etc. Contains roughly 300,000 photos of buildings.
- **Geography and Map Division, Library of Congress:** <http://memory.loc.gov/ammem/gmdhtml/gmdhome.html>
- **Google Image Search:** <http://www.google.com/>
- **Great Buildings Collection [CD-ROM]: An Interactive Library of Architecture.** Kevin Matthews. Eugene, Ore.: Artifice, Inc., 2000. (NA200 M36 2000 ART/ARCH CD-ROM shelf) Website is also available, but with fewer images than the CD-ROM: <http://www.greatbuildings.com/>
- **Historic American Buildings Survey (HABS) and the Historic American Engineering Record (HAER):** "Includes digitized images of measured drawings, black-and-white photographs, color transparencies, photo captions, data pages including written histories, and supplemental materials. The collections document achievements in architecture, engineering, and design in the United States and its territories through a comprehensive range of building types and engineering technologies including examples as diverse as the Pueblo of Acoma, houses, windmills, one-room schools, the Golden Gate Bridge, and buildings designed by Frank Lloyd Wright." http://lcweb2.loc.gov/ammem/collections/habs_haer/
- **Luna Insight – VT's Digital Image Database:** Search image collections, manipulate selected images, and create image-based presentations for classroom and professional use. Individual images can also be exported for use in other presentation software, such as PowerPoint and web pages. The Insight software and digital image

collections hosted on the Virginia Tech site are available for use by Virginia Tech students and faculty. http://www.lib.vt.edu/services/branches/artarch/services_insight.html

- **US Geological Survey:** <http://www.usgs.gov/>

Find More Images Online

- **Getty Images:** <http://www.gettyimages.com/>
- **Google Image Search:** <http://www.google.com/>
- **Image Finder (UC Berkeley):** <http://sunsite.berkeley.edu/ImageFinder/>

Videos, DVD's and CDROMs

The Art & Architecture Library has over 800 videos, DVDs and CDROMs on a wide variety of art and architecture topics.

Select "material type" VHS or DVD, for instance, in an Advanced Search in Addison.

The screenshot shows the University Libraries website's Advanced Search page. The 'Material Type' dropdown menu is expanded, displaying a list of options including VHS, DVD, and Vinyl record. A callout box with a black border and white background points to the 'Material Type' dropdown with the text: 'Select "material type" VHS or DVD, for instance, in an Advanced Search in Addison.'

Library Scanner The Art & Architecture Library has a computer workstation equipped with a flatbed/slide scanner for public use. If you need instructions on how to use the scanner, please inquire at the circulation desk.

Need Help? Please consult a librarian. Heather Ball is the Art and Architecture Librarian at Virginia Tech and can be reached via e-mail: h.ball@vt.edu, or by phone: (540) 231-9272. For more information about the Art and Architecture Library at Tech, visit the library online at: <http://www.lib.vt.edu/services/branches/artarch/>