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HOW TO USE THIS ISSUE

If you are interested in a particular subject:

Subject headings are listed alphabetically in the issue under five main categories: Practice, Design, Allied Disciplines, Technics, and Reference and Recognition.

The professional information index (page 2) provides cross-references and page numbers for each subject. This index also lists the reader service numbers of all subject-related manufacturer's literature and all associations found in the issue.

About the Five Categories of Professional Information:

DESIGN covers building types (such as health care or correctional facilities) and design considerations (such as accessibility or energy conservation). It also includes a History/Theory section which lists reference books in each area.

TECHNICS provides sources of information on building materials and technical systems.

PRACTICE covers the business side of architectural practice including education and registration, law, management, and computers.

ALLIED DISCIPLINES contains information on organizations within professions that are allied with architecture (e.g. acoustics, interior design, urban design).

REFERENCE AND RECOGNITION supplies the sources of general architectural information that can help locate further information on any architectural subject. Book publishers provide useful phone numbers and addresses to help locate works listed elsewhere in the issue. This section also lists design competitions, awards programs, and architectural and consumer publications.

Categories within each category are listed as follows:

Associations -name -address -phone -comments Conferences -with date (1991 unless otherwise specified) and location References -magazine articles in major architectural publications -books

A note on publishers of listed references:

- If the reference has been published by an association listed in this issue, the acronym of the association follows the title of the reference;
- If the reference has been published by a publisher mentioned only once in this issue, the address and phone number of the publisher are listed with the reference itself;
- If the reference has been published by a publisher mentioned more than once in this issue, the name, address, and phone number of the publisher appear in the Reference and Recognition section under the Book Publishers category.

Design

Accessibility, codes, correctional, cultural, daylighting, educational, elderly design, energy conservation, fire protection, health care, history/theory, housing, industrial, offices, presentations, preservation/restoration, recreational, religious, restaurant & hotel design, retail, security, seismic, transportation

A C C E S S I B I L I T Y (see also Elderly Design)

Associations American National Standards Institute (ANSI)

1430 Broadway New York, NY 10018 (212) 354-3300

Conferences Apr 15-16, Chicago, IL. Comments coordinates the development of standards for buildings and products. Architectural and Transportation Barriers Compliance Board (ATBCB) 1111 18th St NW, Suite 501

Washington D.C. 20036-3894 (202) 653-7848 Comments seeks to ensure that buildings are

accessible to and usable by disabled persons. Barrier Free Environments (BFE) PO Box 30634 Raleigh, NC 27622 (919) 782-7823 Comments promotes accessibility in buildings. Department of Housing and Urban Development (see Housing)

National Council on Disabilities (NCD) 800 Independence Ave SW, Suite 814 Washington, DC 20591 (202) 267-3846 Comments reviews laws and policies that af-

fect the handicapped. Paralyzed Veterans of America Barrier-Free Design Program (PVA/BFDP) 801 18th St NW Washington, DC 20006 (202) 872-1300 ext. 645 Comments promotes accessibility in build-

Comments promotes accessibility in buildings. References

Adaptable Housing: A Technical Manual for Implementing Adaptable Dwelling Unit Specifications, BFE, see above. The American National Standard for Buildings and Facilities Providing Accessibility and Usability for Physically Handicapped People, Council of American Building Officials, see Codes. "Breaking Down Barriers," Architecture, Jan 1990.

Design for Hospitality: Hotel, Motel Accessibility, PVA/BFDP, see above. Design for Hospitality: Planning for Accessible Hotels and Motels, K. Beasley, T. Daries. Nichols, 1988. "Design for Living: An Empirical Approach," P/A, July 1990.

"Designing for Independence," P/A, May 1989. "Designing to Orient the User,"

Architecture, Oct 1989.

Handicapped Requirements Handbook (Federal Programs Advisory Service, 1725 K St NW, Suite 200, Washington DC 20006): base volume with monthly updates. "Making the Past Accessible," Construction Security 101 1020

Specifier, Jul 1989. Minimum Guideline and Requirements for Accessible Design, ATBCB, see above. Modifying the Existing Campus: Building for Accessibility, S. Cotler. Association of Physical Plant Administrators, see Facility Management, 1986.

Providing Accessibility & Usability for Physically Handicapped People. ANSI, see above, 1986.

Rethinking Architecture; Design Students and Physically Disabled People, Raymond Lifchez. University of California at Berkeley

Press, 1987.

The Selective Guide on Accessible Environments for the Disabled, Department of Housing and Urban Development, see Housing.

Siting Group Homes for Developmentally Disabled Persons, PAS #397. American Planning Association, 1986. Uniform Federal Accessibility Standards, ATBCB, see above. "Wayfinding: An Orientation System for Hospitals," P/A, Nov 1989.

O C O D E S

Associations

AIA Building Performance and Regulations Committee (AIA/BPRC) 1735 New York Ave NW Washington DC 20006 (202) 626-7448 Comments manages liaison activities for the architect with the national standards, codes, and rule-making organizations. Building Officials and Code Administrators International (BOCA) 4051 West Flossmoor Rd

Country Club Hills, IL 60478 (708) 799-2300

Conferences Sep 15–20, Indianapolis, IN. **Comments** provides a forum for the discussion of building safety regulations and promotes modern construction and fire code requirements.

Council of American Building Officials (CABO)

5203 Leesburg Pike, Suite 708 Falls Church, VA 22041 (703) 931-4533

level.

Comments provides representation for the CO model code organizations at the national FA

International Conference of Building Officials (ICBO)

Officials (ICBO) 5360 South Workmen Mill Rd Whittier, CA 90601 (213) 699-0541 Conferences Sep 8–13, Spokane, WA. National Conference of States on Building Codes and Standards (NCSBCS) 505 Huntmar Park Dr, Ste 210 Herndon, VA 22070 (703) 437-0100 Conferences Aug 19–22, Charleston, SC. Comments serves the building code and public safety interests within the US. National Institute of Building Sciences

(NIBS) 1201 L Street NW, Suite 400 Washington, DC 20005 (202) 289-7800 Comments improves the regulation of building construction and technology. Southern Building Code Congress International (SBCC)

900 Montclair Rd Birmingham, AL 35213 (205) 591-1853 Conferences Oct 27–31, Tampa, FL. Comments writes model construction codes

and certifies inspectors.

References The American National Standard for Buildings and Facilities Providing Accessibility and Usability for Physically Handicapped People, CABO, see above. An Architect's Guide to Building Codes and Standards, ALA/BPRC, see above. Architectural Graphic Standards, J. Hoke.

Wiley, 1988. Building Code Requirements for Concrete Masonry Structures and Commentary,

American Concrete Institute, see Concrete, 1986.

Building Sciences (see NIBS above): monthly.

Building Standards (see ICBO above): bi-

CABO One and Two Family Dwelling Code, CABO, see above.

CABO Model Energy Code, CABO, see above.

Code News (Banks-Baldwin Law Publishing Co, University Center, Box 1974, Cleveland OH 44106, (216) 721-7373): bimonthly. "Code Sources Aid Specification," Contract, Aug 1989.

"Computers: Electronic Code Information," P/A, Jul 1990.

Construction Regulations Manual, Liebing. Wiley, 1987.

Design Guide to the Uniform Building Code. GRDA Publications, 1988 and 1989 supplements.

Directory of State Building Codes and Regulations, NCSBCS, see above. "Energy Code Revised," Custom Builder, Nov 1989.

"Exterior Wall Systems Accommodation in Building Code," Architectural Record, Dec 1989.

H-6 Design Guide: Uniform Codes for High-Tech Facilities, Alfred Goldberg and Larry Fluer. GRDA Publications, 1987. "Innovative Exteriors: Has Technology Left

Building Codes Behind?" Architectural Record, Dec 1989.

Journal of Code Enforcement (Harris Pond Office Park, 32 Daniel Webster Highway, Merrimack, NH 03054, (603) 891-1792): monthly.

List of Building Codes and Standards Publications, AIA/BPRP, see above, 1985. National Building Code, BOCA, see above. "Relating Fire Codes and Reality," Architecture, Jul 1989.

Architecture, Jul 1989. "Significant Revisions in Model Seismic Code," Architecture, Oct 1989. Southern Building Code, SBCC, see above. Uniform Codes and Standards, ICBO, see above.

CORRECTIONAL FACILITIES

Associations

AIA Committee on Architecture for Justice (AIA/CAJ) 1735 New York Ave NW Washington DC 20006 (202) 626-7361 **Comments** focus on crime prevention and security issues and the improvement of justice facilities.

American Correctional Association (ACA) 8025 Laurel Lake Court Laurel, MD 20707

(301) 206-5100 Conferences Jan 14-17, Louisville, KY; Aug 4-8, Minneapolis, MN.

Comments accredits correctional institutions. American Jail Association (AJA) 1000 Day Rd, Suite 100

Hagerstown, MD 21740 (301) 790-3930

Comments can connect architects with experts on designing jails.

Community Research Association (CRA) 115 North Neil St, Suite 302

Champaign, IL 61820 (217) 398-3120

Comments provides technical assistance for the planning of juvenile justice facilities. Federal Bureau of Prisons

Federal Bureau of Prisons Facilities Development Division (FBP/FDD)

320 First St NW, Room 254 Washington, DC 20534 (202) 514-6460

Comments has a staff of architects and engineers who are experts on designing prisons. National Criminal Justice Reference Service (NCIRS)

P.O. Box 6000 Rockville MD 20850

(800) 851-3420 References

American Jails (see AJA above): bimonthly. Architecture for Justice Exhibition Catalog (see AIA/CAJ above): annual.

Construction Bulletins, NCJRS, see above. "Correctional Facilities," P/A, Aug 1989. Correctional Facility Planning and Design, Jay Farbstein. Van Nostrand Reinhold, 1986.

Corrections Today (see ACA above): 7/yr. Criminal Justice Newsletter (Pace Communications, 443 Park Ave South, New York, NY 10016, (212) 685-5450): semi-monthly. Design Guide for Secure Adult Correctional Facilities, ACA, see above, 1983. Prison Journal (Pennsylvania Prison Society, 311 S. Juniper St, Philadelphia, PA 19107, (215) 732-5990): semi-annual.

CULTURAL FACILITIES

Associations

American Association of Museums (AAM) 1225 Eye St NW, Suite 200 Washington, DC 20005 (202) 289-1818 Conferences May 19–23, Denver, CO. Comments provides a forum for museum professionals. U.S. Institute for Theater Technology (USITT)

10 W. 19th St, Ste 5A New York, NY 10036 (212) 563-5551

Conferences Feb 19–23, Boston, MA. Comments provides information about the technical areas of theater architecture. References

Auditoria: Designing for the Performing Arts, M. Forsyth. Van Nostrand Reinhold, 1987.

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Planning Library Buildings and Facilities: From Concept to Completion, R. Holt. Scarecrow Press, 1989.

"Portfolios: Historic Theaters," P/A, Jun 1990

Public Space Design in Museums, J. Lamber. University of Wisconsin, 1985. Theater and Playhouse: An Illustrated Survey of Theatre Building from Ancient Greece to the Present Day, Richard Leacroft.

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"What Makes A Museum Design Successful," Architecture, June 1989.

O A Y LIGHTING (See also Lighting)

Associations

Daylighting Network of North America (DNNA) c/o Dr. Moji Navaab Dept. of Architecture and Urban Planning University of Michigan 2000 Bonisteel Blvd Ann Arbor, MI 48109–2069 (313) 936-0228 Comments promotes natural illumination in buildings. Illuminating Engineering Society of North America (see Lighting) Lawrence Berkeley Laboratories Windows and Lighting Program (LBL/WLP) 1 Cyclotron Rd Building 90, Room 3111 Berkeley, CA 94720 (415) 486-6847

Comments researches windows, coatings, and energy efficiency. Sky simulation facility, mobile window thermal testing facility, and free software packages dealting with the use of natural light available to professionals.

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Daylighting: Design and Analysis, C. Robbins. Van Nostrand Reinhold, 1986. Daylighting Design Guidelines for Roof Glazing in Atrium Spaces, DDGA-1, Ameri-

can Architectural Manufacturers Association, see Curtain Walls. "Energy Conservation Update," P/A, Feb

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Light, Wind and Structure: The Mystery of the Master Builders, R. Mark. MIT Press, 1990.

"Living on Borrowed Light," Architectural Record, May 1989.

"Natural Light in Museums: An Asset or Threat?", P/A, May 1990.

"New Strides in Daylight," P/A, Feb 1989. "Skylight Handbook and Software," P/A, Jan 1989

Skylight Handbook - Design Guidelines with PC Disk, SHDG-2, American Architectural Manufacturers Association, see Curtain Walls

Sunlighting as a Formgiver for Architecture, William M. C. Lam. Van Nostrand Reinhold, 1986.

E D U C A TIONAL FACILITIES

Associations

AIA Committee on Architecture for Education (AIA/CAE) 1735 New York Ave NW Washington, DC 20006 (202) 626-7589 Comments provides technical assistance to architects and promotes quality design of educational facilities. American Library Association (ALA) 50 Fast Huron St Chicago, IL 60611 (312) 944-6780 Comments provides leadership for the development, promotion, and improvement of libraries American Association of School Administrators (AASA) 1801 N. Moore St Arlington, VA 22209 (703) 528-0700 Conferences Mar 1-4, New Orleans, LA. Comments has architectural exhibit at its annual convention. Association of University Architects (AUA) c/o Arthur Tuttle Dir. Architectural and Engineering Services University of Oklahoma 1652 Cross Center Dr. Norman, OK 73019 (405)325-6006 Conferences Jun 20-22, New Haven, CT. Comments provides professional services to university administrations in the area of campus planning. **Council of Educational Facility Planners** (CEFP) 641 Chatham Ln, Ste 217 Columbus, OH 43221 (614) 442-1811 Conferences Oct 5-8, Atlanta. Comments provides information on school facilities, asbestos, radon, and other related topics through an in-house library. Reference

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ELDERLY DESIGN

(see also Accessibility, Health Care)

Associations

AIA Design for Aging Subcommittee (AIA/ DAS) 1735 New York Ave NW Washington, DC 20006 (202) 626-7429 *Comments* promotes and discusses the prin-ciples of design for the elderly. American Association of Homes for the Aging (AAHA) 1129 20th St NW, Suite 400 Washington, DC 20036 (202) 296-5960 Conferences Nov 3-7, San Francisco. Comments deals with housing and health related facilities for the elderly. References "Architecture for the Elderly," Construction Specifier, Feb 1989. Design for Aging: An Architect's Guide, AIA Press, 1986. "Designing for Independence," P/A, May 1989 "Designing for Special Needs in Nursing Homes," Architecture, Oct 1989. "Designing What Elderly Residents Want," Construction Specifier, Feb 1989. Developing Retirement Facilities, P. Gordon. Wiley, 1988. Housing an Aging Society, R. J. Newcomer, Van Nostrand Reinhold, 1986. Housing for Elderly People, M. Valins. Van Nostrand Reinhold, 1988. Housing for the Elderly: Privacy and Interdependence in Environments for the Aging, J. David Hoglund. Van Nostrand Reinhold, 1986. Housing the Aged, V. Regnier & J. Pynoos. Elsevier Science, 1987.

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Site Planning and Design for the Elderly, D.Y. Carsens. Van Nostrand Reinhold, 1985.

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The Social and Built Environment for an Aging Society, Institute of Medicine Staff. National Academy Press, 1987. "Specifying Hardware in Housing for the Elderly," Construction Specifier, Feb 1989.

ENERGY CONSERVATION (See Daylighting)

Associations

American Solar Energy Society (ASES) 2400 Central Ave, Suite B1 Boulder, CO 80301 (303) 443-3130 Conferences Aug 17-24, Denver, CO. Comments transfers technical information about solar energy. American Wind Energy Association (AWEA) 1730 North Lynn St, Suite 610 Arlington, VA 22209 (703) 276-8334 Comments represents the wind energy industry. Association of Energy Engineers (AEE) 4025 Pleasantdale Rd, Suite 420 Atlanta, GA 30340 (404) 447-5083

Conferences WORLDCON 91: Apr 23-24, Anaheim, CA; Air Quality Congress June 12-13, Boston. Comments seeks to keep people in the en-

ergy field abreast of new developments in energy technology.

Department of Energy, CE131 Building Systems Division (DOE/BSD) 1000 Independence Ave SW Washington, DC 20585 (202) 586-9870 Comments supports research to advance the

understanding of energy use in buildings. Energy Efficient Buildings Association (EEBA) c/o Howard Faulkner U.of Southern Maine, Dept of Technology 37 College Ave Gorham, ME 04038 (207) 780-5143 Conferences Mar 21–23, Indianapolis, IN. National Appropriate Technology Assistance Service (NATAS) PO Box 2525 Butte, MT 59702 (800) 428-2525 Comments informs people of better ways to conserve energy. National Climatic Center (see Climate) Northeast Solar Energy Association (NSEA) 23 Ames St

Greenfield, MA 01301

(913) 774-6051 Comments promotes the use of energy con-

servation and renewable energy sources. Solar Energy Industries Association (SEIA)

777 N. Capitol St NW, Ste 805 Washington, DC 20002 (202) 408-0660

Comments represents companies that make solar, thermal, and electric energy-related products.

Solar Energy Research Institute (SERI) 1617 Cole Blvd

Golden, CO 80401

(303) 231-1000 Comments researches, develops, and tests

solar energy technology.

Underground Space Center (see Foundations)

Conferences

World Energy Engineering Congress: Oct 23-25, Atlanta.

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FIRE PROTECTION (see also Codes)

Associations

Center for Fire Research National Institute of Standards and Technology (CFR/NIST) Bldg 224, Room A247 Gaithersburg, MD 20899 (301) 975-6850 Comments provides technological and scientific knowledge about fire. Factory Mutual Engineering and Research Corporation (FMERC) 1151 Boston-Providence Tpk Norwood, MA 02062 (617) 762-4300 Comments serves as a fire research and engineering organization. National Fire Lab (NFL) Institute for Research in Construction National Research Council of Canada Ottawa, ONT, K1A 0R6 Canada (613) 993-2204 Comments researches and tests fire prevention methods. National Fire Protection Association (NFPA) PO Box 9101 Batterymarch Park Quincy, MA 02269 (617) 770-3000 Conferences May 20-23, Boston, MA. Comments seeks to prevent fires through education and engineering technology. **Underwriters** Laboratories (see Material Standards) References Design for Fire Safety, Marchant. Butterworth, 1987. Design of Structures Against Fire, R.Anchor et al. Elsevier, 1986.

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HEALTH CARE

(see also Elderly Design)

Associations AIA Architecture for Health Committee (AIA/AHC)

1735 New York Ave NW Washington, DC 20006 (202) 626-7366 Conferences Nov 8-10, 1990, Charleston, SC. Comments addresses issues pertaining to the planning, design, and construction of health care facilities. American Hospital Association (AHA) 840 North Lake Shore Dr Chicago, IL 60611 (312) 280-6000 Comments educates members and informs the public about hospitals and health care Forum for Health Care Planning (FHCP) 1101 Connecticut Ave NW, Suite 700 Washington, DC 20036 (202) 857-1162 Comments provides a forum for information about health care facility planning. U.S. Department of Health and Human Services (HHS/DHFP) Division of Health Facilities Planning 5600 Fishers Lane, Rm 17A10 Parklawn Bldg Rockville, MD 20857 (301) 443-2265 Comments promotes efficiency in health facilities planning. **U.S.** Veterans Administration Architectural Service (USVA/AS) 810 Vermont Ave NW

Washington, DC 20420 (202) 233-2688

Comments develops standards for the U.S. Department of Veterans Affairs, and provides these standards to medical centers, architects, and engineers References

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HOUSING

Associations

AIA Housing Committee (AIA/HC) 1735 New York Ave NW Washington, DC 20006 (202) 626-7440 Comments identifies and develops design or technical resources and promotes design excellence and value of architectural services in this market. American Association of Housing **Educators (AAHE)** c/o Dr. Paul Woods Dept. of Construction Science Texas A & M University College Station, TX 77843-3137 (409) 485-1017 Comments provides information on all aspects of housing. American Society of Home Inspectors (ASHI) 3299 K St NW, 7th Fl. Washington, DC 20007 (202) 842-3096

Comments establishes standards for practicing home inspectors. **Canadian Home Builders Association**

(CHBA)

200 Elgin St, Ste 502 Ottawa, ONT k2P 1L5, Canada (613) 230-3060 Conferences May 12-15, Montreal, QUE.

Comments educates, trains, and serves as a liaison between the residential construction industry and the government.

Department of Housing and Urban Development (HUD)

451 7th St SW Washington, DC 20410 (202) 755-6422 Comments seeks to improve and develop housing. National Association of Home Builders

(NAHB) 15th & M Sts NW

Washington, DC 20005

(202) 822-0254 Conferences Jan 18-21, Atlanta. Comments serves as the voice of the Ameri-

can housing industry and as an authoritative source of information onhousing. National Association of Home Builders Research Center (NAHB/RC)

400 Prince Georges Blvd

Upper Marlboro, MD 20772-8713 (301) 249-4000 Comments conducts research and provides

product testing for the building industry. National Association of Housing and **Redevelopment Officials (NAHRO)** 1320 18th St NW

Washington, DC 20036 (202) 429-2960 Conferences Sep 29-Oct 2, Atlanta. Comments serves the housing and redevelopment industry.

National Housing Conference (NHC) 1126 16th St NW, Suite 211 Washington, DC 20036 (202) 223-4844 Comments mobilizes support for effective programs in housing and community development.

National Housing and Rehabilitation Association (NHRA)

1726 18th St NW Washington, DC 20009 (202) 328-9171 Conferences Feb 28-Mar 2, Key West, FL. Comments an information exchange for multifamily rehabilitation and apartment redevelopment. Small Homes Council **Building Research Council (SMC/BRC)** University of Illinois at Urbana/ Champaign One East St. Mary's Rd Champaign, IL 61820 (217) 333-1801 Comments researches technical housing is-

sues including energy conservation and efficient space utilization. Quality Building Council (QBC)

PO Box 541, 14 Green St Brattleboro, VT 05301 (413) 774-6051

Comments encourages the design and construction of high quality buildings by fostering increased communication and cooperation among building professionals. References

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FACILITIES

Associations

American Institute of Plant Engineers (AIPE) 3975 Erie Ave Cincinnati, OH 45208 (513) 561-6000 Comments educates and serves plant managers. Industrial Development Research Council (IDRC) 40 Technology Park Norcross, GA 30092 (404) 446-6996

nomics.

Office Parks (NAIOP)

Arlington, VA 22202

Conferences Oct 17-20, Hawaii.

Comments represents those who develop, plan, finance, construct, and manage office parks.

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1215 Jefferson Davis Highway, Suite 100

(703) 979-3400

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OFFICES/OFFICE BUILDINGS

Associations

Building Owners and Managers Association International (see Facility Management) **Business & Institutional Furniture** Manufacturers Association (see Furniture) **Contract Furnishings Council** (see Furniture) Council on Tall Buildings and Urban Habitat (CTBUH) Building 13 Lehigh University Bethlehem, PA 18015 (215) 758-3515 Conferences Nov 5-9, 1990, Hong Kong. Intelligent Buildings Institute (IBI) 2101 L St NW, Suite 300 Washington, DC 20037 (202) 457-1988 Comments resolves technical, marketing, and training issues for all sectors of the intelligent buildings community. Office Planners and Users Group (OPUG) Box 11182 Philadelphia, PA 19136 (215) 335-9400 Comments disseminates the latest trends in office layout. **Office Systems Research Association** (OSRA) c/o John Stallard 501 Grise Hall **College of Business** Western Kentucky University Bowling Green, KY 42101 (502) 745-5464

Conferences Mar 1-3, Washington, DC. Comments to increase office productivity through end-user computing. Conferences

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PRESENTATIONS

(see also Computers)

Associations American Engineering Model Society (AEMS) Walnut St Boston, MA 02108 (617) 248-1928 Comments promotes the use of models. American Institute for Design and Drafting (AIDD) 5522 Norbeck Rd, Ste 391 Rockville, MD 20853 (301) 460-6875 Conferences Apr 3-5, Phoenix, AZ. Comments provides educational programs for designers, drafters, and architects. American Society of Architectural Perspectivists (ASAP) 320 Newbury St Boston, MA 02115 (617) 846-4766 Conferences Nov 14-17, 1990, Boston. Comments provides a communications focus and sponsors events to enhance awareness of the role of the perspectivist in the design process. Architectural Modelmakers of New York (AMNY) c/o Patrick Sherwood 270 Lafayette St New York, NY 10012

(212) 226-2404 Comments a trade organization for modelmakers References

AEMS Newsletter (see AEMS above): bimonthly. ASAP Newsletter (see ASAP above): quar-

terly Architectural Presentation, R. Greenstreet,

J. Shields. Prentice-Hall, 1988. Architectural Rendering Techniques, M. Lin. Van Nostrand Reinhold, 1987

Architecture in Perspective V Catalog, ASAP, see above, 1989.

"Drafting, Information on Drawings," P/A, Oct 1989.

"Electronic Modelmaking," P/A, May 1987. Interior Presentation Sketching for Architects and Designers, M. Arends. Van Nostrand Reinhold, 1989.

Model Graphics: Building and Using Study Models, M. Keopke. Van Nostrand

Reinhold, 1988. Presenting Architectural Designs, K. Eissen. Van Nostrand Reinhold, 1990. "Presenting Ideas," P/A, Jun 1989.

"Toward a Standard Format," P/A, Dec 1989

Watercolor in Architectural Design, R.J. Kaspirin. Van Nostrand Reinhold, 1989.

PRESERVATION AND RESTORATION

Associations

AIA Committee on Historic Resources (AIA/CHR)

1735 New York Ave NW Washington, DC 20006

(202) 626-7789 Comments promotes historic building and

community preservation. Association of Specialists in Cleaning and

Restoration (ASCR) 10830 Annapolis Jct Rd, Ste 312 Annapolis Jct, MD 20701

(301) 604-4411 Conferences Feb 26-Mar 3, St. Petersburg,

FL. Comments conducts research and provides a forum for the exchange of information about cleaning and restoration.

Heritage Canada Foundation (HCF) PO Box 1358, Station B

Ottawa, ONT K1P 5R4, Canada (613) 237-1867 or (613) 237-1066 Conferences Sep 13-16, St. John's, Newfoundland.

Comments promotes the preservation and restoration of historic Canadian buildings.

National Preservation Institute (NPI)

National Building Museum Judiciary Square NW, Ste 301 Washington, DC 20001 (202) 393-0038 Comments provides specialized education, research, and technical assistance for preservation. National Trust for Historic Preservation (NTHP) 1785 Massachusetts Ave NW Washington, DC 20036 (202) 673-4000 Conferences Oct 16-20, San Francisco. Comments seeks to save our historic and architectural heritage. National Trust for Historic Preservation Library (NTHP/L) University of Maryland Architecture Library College Park, MD 20742 (301) 454-3979 ents a resource center for historic Comn sites, buildings, and objects. Office of Park Historic Architecture National Park Service (OPHA/NPS) U.S. Department of Interior 1100 L St NW, Room 4141 Washington D.C. 20013 (202) 343-8146 Comments records and monitors historic sites owned by National Parks. Preservation Action (PA)

1350 Connecticut Ave NW, Suite 401 Washington, DC 20036 (202) 659-0915 Conferences Mar 17-19, Washington, DC. Comments lobbies for historic preservation. References

Adaptations: New Uses for Old Buildings, P. Roberts. Princeton University Press, 1989. Adaptive Reuse, Richard Austin. Van Nostrand Reinhold, 1987. All About Historic Buildings: the Whole Preservation Catalog, NTHP, see above,

1988

"Analyzing Old Paint in Restoration," Architecture, Nov 1989.

Architects in Historic Preservation: Design Review in Historic Districts, AIA/CHR, see above, 1988.

The Architects Remodeling, Renovation, and Restoration Handbook, H. Leslie Simmons. Van Nostrand Reinhold, 1989.

"Behind the Facade: Rehabilitating Interiors in Historic Buildings," Construction Specifier, Jul 1988.

The Brown Book: A Directory of Preservation Information, NTHP, see above, 1989.

Building Design: Improving Spaces, E. Umlauf, P. Schreiner. PBC International, 1990.

Cleaning and Restoration (see ASCR above): monthly

"Cleaning The Carnegie," P/A, Oct 1990. Curatorial Index to Historic Preservation, NTHP, see above, 1986.

Fabrics for Historic Buildings, J. Nylander, Preservation Press, 1989.

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Guide to Historic Preservation, AIA/CHR, see above, 1987.

Historic Preservation (see NTHP above): bimonthly.

"Historic Re-roofing," P/A, Jun 1989. "Imaginative Use of Materials Becomes Key Problem for Preservation Architects," P/A, Nov 1987

Landmark Yellow Pages: Where to Find the Names, Addresses, Facts, and Figures You Need, T. Morton and R. Kuene eds. Preservation Press, 1989.

Lighting for Historic Buildings, R. Moss. Preservation Press, 1988. Princeton Architectural Press, 1990.

Preservation News (see NTHP above): monthly.

Progressive Architecture, November issues, 1976-1987.

Re-Architecture: Old Buildings/New Uses, S. Cantcuzino. Abbeville Press, 1989. "Renovation, Restoration, Rehabilitation:

Special Report," Construction Specifier, Jul 1987.

Repairing and Extending Nonstructural Metals, H. Simmons, Van Nostrand Reinhold, 1990. Repairing and Extending Weather Barriers,

H. Simmons. Van Nostrand Reinhold, 1990.

Repairing and Extending Finishes, Part 1+2, H. Simmons. Van Nostrand Reinhold, 1989

"Repointing Mortar Joints," P/A, Oct 1990. The Restoration Directory. Princeton Architectural Press, 1990.

"Restoring Modernism," P/A, Apr 1989. Restoring Old Buildings for Today: An American Sourcebook for Architects and Preservationists, William Shopsin. Watson-Guptill, 1986.

"Restoring Stonework, Part 1: Research," Construction Specifier, Sep 1989. "Restoring Stonework, Part II: Remedies," Construction Specifier, Oct 1989. "Terra Cotta Analysis and Repair," Construction Specifier, Jul 1989. "Theater Preservation Update," Architectural Record, Nov 1989. "Urban Design and Preservation,"

Architecture, Nov 1989. "Use of CADD in Restoration," Architecture, Nov 1989.

RECREATIONAL FACILITIES

Associations National Recreation and Park Association (NRPA)

3101 Park Center Dr, 12th Floor Alexandria, VA 22302 (703) 820-4940

Comments promotes a wide use of parks and recreational facilities.

References Designs for Park and Recreation Spaces, T. Walker. PDA Publishers, 1987. "In the Public Interest: Recreational Facilities," Architectural Record, Nov 1989.

Indoor Sports Spaces, J. Dartford. Van Nostrand Reinhold, 1989.

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People Places, C. Marcus, C. Frances. Van Nostrand Reinhold, 1990.

Recreation, Sports, and Leisure Resource (Lakewood Publications, Inc., 50 S. 9th St, Minneapolis, MN 55402): annual.

Sports Buildings: A Briefing & Design Guide, A. Konya. Van Nostrand Reinhold, 1986.

RELIGIOUS BUILDINGS

Associations Interfaith Forum on Religion, Art and Architecture (IFRAA) 1777 Church St NW

Washington, DC 20036

(202) 387-8333

Comments serves as a resource to those looking for quality in liturgical architecture,

design, and art. References

Synagogues of Europe: Architecture, History, Meaning, Carol H. Krinsky. MIT Press, 1985.

"Building Types Study: Religious Buildings," Architectural Record, Jan 1990. Church Architecture, J. White, S. White. Abingdon, 1988.

Encyclopedia of Indian Temple Architecture, M. Meister. Princeton University Press, 1988.

Faith and Form (see IFRAA above): 3/yr. "P/A Inquiry: Religious Buildings," P/A, Dec 1990

RESTAURANTAND HOTEL DESIGN

Associations American Hotel and Motel Association (AHMA)

1201 New York Ave NW, Suite 600 Washington D.C. 20005-3917 (202) 289-3100

Design

Conferences Apr 4-7, Hawaii. Comments represents the lodging industry. National Restaurant Association (NRA) 1200 17th St NW

Washington, DC 20036 (202) 331-5900

Conferences May 18-22, Chicago. Comments promotes the ideals and interests of the food service industry.

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Architecture of American Chain Restaurants, Philip Langdon. Knopf, 1986. "P/A Inquiry: Inside the Hotel Guest Room," P/A, Jun 1988.

Restaurant and Hotel Design International (Bill Communications, 633 Third Ave, New

York, NY 10017, (212) 986-4800): 8/yr. Restaurant Design, R. Alejandro. PBC In-

ternational, 1987. Restaurant Design 2. PBC International, 1990.

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Restaurants, Clubs, and Bars, Fred Lawson. Van Nostrand Reinhold, 1988. Restaurants USA (see NRA above): 11/yr. "A Specifier's Guide to Hotel Construction," Construction Specifer, Apr 1989. Successful Restaurant Design, R. Baraban and J. Durocher. Van Nostrand Reinhold, 1988. Vacationscape: Designing Tourist Regions, C.

ORETAIL BUILDINGS

Gunn, Van Nostrand Reinhold, 1988.

Associations

Institute of Store Planners (ISP) 25 N. Broadway Tarrytown, NY 10591 (914) 332-1806 Comments promotes the profession of store planning. International Council of Shopping Centers (ICSC) 665 Fifth Ave New York, NY 10022 (212) 421-8181 Conferences May 19-24, Las Vegas, NV. Comments provides a networking forum for retailers and the developers and owners of shopping centers. National Association of Display Industries (NADI) 470 Park Avenue South New York, NY 10016 (212) 213-2662 **Conferences** Visual Merchandising, Store Planning, and Design Market, Dec 1-4, New York. Conference Worldstore 1991 Oct 9-11, Chicago. (call (212) 391-9111). References

Arcades: The History of a Building Type, Johann Friedrich Geist. MIT Press, 1983 "Building Types Study: Retail Facilities," Architectural Record, Apr 1990. "Building Types Study: Shopping Centers," Architectural Record, Sep 1989. Designing to Sell: A Complete Guide to Retail Store Planning and Design, Vilma Barr and Charles E. Broudy. McGraw-Hill, 1986.

Directory of Store Planners and Consultants, OSEISMIC ISP, see above, 1989. Home Furnishings Merchandising and Store

Design, M. Pegler. Van Nostrand Reinhold, 1990. Market, Supermarket and Hypermarket

Design, M. Pegler. Van Nostrand Reinhold, 1990. National Mall Monitor (2535 Landmark Dr.

Suite 207, Clearwater, FL 34621): 9/yr. "Retail in the City," Architectural Record, **June 1988**

The Retail Store: Design and Construction, W. Green. Van Nostrand Reinhold, 1986. Shopping Center Design, N. Scott. Van Nostrand Reinhold, 1989. Shopping Center World, (Communications

Channels, Inc., 6255 Barfield Rd, Atlanta, GA 30328, (404) 256-9800): monthly.

Shopping Centers and Malls, R. Rathburn. Van Nostrand Reinhold, 1989.

Shopping Centers Today (see ICSC above): monthly

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Merchants Association. PBC International, 1989.

Store Fronts and Facades, M. Pegler. Van Nostrand Reinhold, 1989.

SFCURITY

Associations

AIA Architecture for Justice Committee (see Correctional Facilities) American Society for Industrial Security (ASIS)

1655 N. Fort Meyer Dr, Suite 1200 Arlington, VA 22209 (703) 522-5800 Conferences Sep 23-26, Orlando, FL. Comments advances professionalism in the

field of security. Institute for Security Design (ISD)

74 Warren St. New York, NY 10007 (212) 285-0198

Comments designs security and fire protection equipment and systems. National Burglar and Fire Alarm

Association (NBFAA) 7101 Wisconsin Ave, Ste 1390 Bethesda, MD 20814

(202) 907-3202 Conferences May 3-9, Nashville, TN. Comments provides training programs and serves as the voice of the alarm industry. Security Equipment Industry Association

(SEIA) 2800 28th St, Suite 101 Santa Monica, CA 90405 (213) 450-4141 Conferences Facilities Security and Protection Planning, Apr 9-11, Chicago. Comments seeks to advance the security

products industry. References

Crime Prevention Through Environmental Design, C. Jeffrey. Sage, 1971. Defensible Space, O. Newman. MacMillan, 1972

Design Against Crime: Beyond Defensible Space, B. Poyner. Butterworth, 1989. Design for Security, Richard Healy. Wiley,

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Security (PO Box 5080, 1350 E. Touhy Ave, Des Plaines, IL 60018, (312) 372-6880): monthly

Security Equipment Directory, Neil Cumming. Van Nostrand Reinhold, 1987. The Security of Buildings, G. Underwood. Butterworth, 1984.

Associations

Earthquake Engineering Research Center (EERC) University of California at Berkeley 1301 South 46th St Richmond, CA 94804 (415) 231-9554 Comments tests scale models of structures to determine vulnerability to earthquakes for improving seismic-resistant design. Earthquake Engineering Research Institute (EERI) 6431 Fairmount Ave, Suite 7 El Cerrito, CA 94530 (415) 525-3668 Conferences Feb 13-16, Salt Lake City, UT. Comments seeks to advance the science and practice of earthquake engineering. National Center for Earthquake Engineering Research (NCEER) State University of New York at Buffalo Red Jacket Quadrangle Buffalo, NY 14261 (716) 636-3391 Comments conducts research to mitigate earthquake damage. Seismological Society of America (SSA) El Cerrito Plaza Professional Building, Suite 201 El Cerrito, CA 94530 (415) 525-5474 Conferences Mar 25-27, San Francisco. Comments promotes the research of seismology and public safety. University of Michigan Earthquake Testing Lab (UMI/ETL) c/o James Wight 2340 GG Brown Bldg Department of Civil Engineering Ann Arbor, MI 48109-2125 (313) 764-8495 Comments does seismic research. References Abstract Journal in Earthquake Engineering, EERC, see above, 1988. Building Configuration and Seismic Design, C. Arnold and R. Reitherman. Wiley, 1982. "Comments on the Earthquake," P/A, Mar

1990. "Design for the Big One," Architecture, Feb

1990 Design of Concrete Buildings for Earthquake

and Wind Forces, Portland Cement Association, see Concrete, 1989.

Earthquake Design of Concrete Masonry Buildings, Englekirk, Hart, and Beaver. Prentice-Hall, 1982.

Earthquake Resistant Design: For Engineers and Architects, D. Dowrick. Wiley, 1988. "Earthquake Resistant Interior Furnishings," P/A, Sep 1990.

Earthquake Spectra (see EERI above): quarterly

"Earthquakes," Construction Specifier, Jan 1990.

Earthquakes and Volcanoes (12201 Sunrise Valley Dr, Reston, VA 22092, (703) 783-3238): bimonthly.

Earthquake Engineering and Structural Dynamics (Wiley & Sons Ltd, Baffins Ln, Chichester, Sussex PO19 1UD, England): 8/vr

Seismic Design of Buildings, James Ambrose and Dimitri Vergun. Wiley, 1985. The Seismic Design Handbook, F. Naiem. Van Nostrand Reinhold, 1989. "Seismic Performance of Interiors," Architecture, April 1989. Simplified Buildings Design for Wind and Earthquake Forces, J. Ambrose and C. Ver-gun. Wiley, 1990.

'Teaming Up for Seismic Retrofit," P/A, Jun 1989

FACILITIES

Associations

OTRANSPORTATION

American Public Transit Association (APTA)

1201 New York Ave NW, Suite 400 Washington DC 20005 (202) 898-4000

Comments represents the transit industry and provides information. American Road and Transportation **Builders Association (ARTBA)** 501 School St SW Washington, DC 20024 (202) 488-2722 Conferences Feb 13-17, Orlando, FL. Comments advocates federal support for transportation development programs. Eno Foundation for Transportation (EFT) PO Box 2055 270 Saugatuck Ave Westport, CT 06880 (203) 227-4852 Comments provides research and education in the area of transportation. Federal Aviation Administration (FAA) 800 Independence Ave SW Washington, DC 20591 (202) 267-3111 Comments promotes aviation safety. Federal Railroad Administration (FRA) 400 7th St SW Washington, DC 20590 (202) 366-0881 Comments seeks to further knowledge of transportation among engineers. Institute of Transportation Engineers (ITE) 525 School St SW, Suite 410 Washington DC 20024 (202) 554-8050 Conferences Sep 22–25, Milwaukee, WI. National Parking Association (NPA) 1112 16th St NW, Suite 300 Washington, DC 20036 (202) 296-4336 Conferences May 19-22, Boston. Comments represents the interests of the parking industry. Transportation Research Board (TRB) 2101 Constitution Ave NW Washington, DC 20148 (202) 334-2934 Conferences Jan 12-16, Washington, DC. Comments stimulates highway research and other transportation studies for Congress. References The Aesthetics of Parking: An Illustrated Guide, PAS 412, American Planning Association, see Planning, 1988. Air Transport World (Penton Publications): monthly.

Conferences Sep 29-Oct 3, Toronto, ONT.

"Airport Design: Building the Terminal for Tomorrow," Construction Specifier, Apr 1988.

Airport Passenger Terminals, W. Hart. Wiley, 1986.

Airport Report (American Association of Airport Executives, 4224 King St, Alexandria, VA 22302): biweekly. "Airport Terminals," P/A, Mar 1987. "Building Types Study: Airports,"

Architectural Record, Jun 1989. Carscape: A Parking Handbook, C. Miller.

Washington Street Press (available through APA Bookstore), 1988. City Center Planning and Public Transport,

B. Simpson. Van Nostrand Reinhold, 1988. Design Recommendations for Multi-Story and Underground Car Parks, American Society of Civil Engineers, see Engineering, 1984. ITE Journal (see ITE above): monthly.

Journal of Transportation Engineering (see American Society of Civil Engineers in En-gineering): bimonthly.

Parking Area Maintenance (Aberdeen Group, see Publishers): 6/yr.

"Parking Garages," P/A, Nov 1987. Parking Structures: Planning, Design,

Construction, Maintenance and Repair, A. Chrest, M. Smith, S. Bhuyan. Van Nostrand Reinhold, 1989.

Public Streets for Public Use, Anne Vernez Moudon. Van Nostrand Reinhold, 1987. "Transit Systems for Today's Urban

Populations," Construction Specifier, Apr 1088

Transportation Builder (see ARTBA above): bimonthly.

Technics

Brick, building science, ceilings, ceramic tile, concrete, curtain walls, doors & hardware, elevators/stairs, flooring, foundations, furniture, glass, indoor air quality, insulation, lighting, masonry, material standards, metals, paint & wallcovering, plastics, roofing, sealants, waterproofing, windows, wood

BRICK

Associations

Brick Institute of America (BIA) 11490 Commerce Park Dr Reston, VA 22091 (703) 620-0010

Conferences Oct 27-30, White Sulfur Springs, WV.

Comments serves as a trade association for brick manufacturers and provides technical information to architects and engineers. References

"Brick Paving," P/A, Dec 1989. An Introduction to Load-Bearing Brickwork Design, Arnold W. Hendry. Wiley, 1987. Masonry Construction

BUILDING SCIENCE

Associations

Center for Building Technology National Institute of Standards and Technology (CBT/NIST) Gaithersburg, MD (301) 975-5900 National Research Council Canada (NRCC)Institute for Research in Construction Ottawa, ONT K1A OR6 Canada (613) 993-9580 References

Air Barriers, 07195, Construction Specifications Canada, Toronto (416) 961-4111. Architectural Details for Insulated Buildings, OCERAMICTILE Brand. Van Nostrand Reinhold, 1990. Building Failures, Addleson. Butterworth, 1989.

Building Science for a Cold Climate, Hutcheon and Handegord. Construction Technology Centre, Frederickton, New Brunswick (506) 453-5000. Canadian Building Digests, NRCC, see above). Exterior Walls: Understanding the Problems, NRCC 21203, see above Cracks, Movements, and Joints in Buildings, NRCC 15477, see above An Historical Outline of Architectural Science, Cowan. Elesvier, 1977. Humidity, Condensation, and Ventilation in Houses, NRCC 23293, see above. 1989 Handbook of Fundamentals, ASHRAE The Science and Technology of Building Materials, Cowan and Smith. Van Nostrand Reinhold, 1988. (see Heating/Ventilating/Air Conditioning).

CEILINGS

(see also Interior Design)

Associations

Association of Wall and Ceiling Industries International (AWCI) 1600 Cameron St, Ste. 200 Alexandria, Va 22314 (703) 684-2924

Conferences Mar 19-24, San Francisco. Comments educates wall and ceiling contractors and suppliers. Ceilings and Interior Systems Construction Association (CISCA) 104 Wilmot Rd, Suite 201 Deerfield, IL 60015 (312) 940-8800 Conferences Apr 14-18, Colorado Springs. Comments gathers information for the interiors systems construction industry. Gypsum Association (GA) 810 First St NE, Suite 510 Washington, D.C. 20002 (202) 289-5440 Institute of Lath and Plaster (ILP) 795 Raymond Ave St. Paul, MN 55114 (612) 645-0208 Comments promotes the lathing and plastering industry. Reference Ceiling Systems Handbook, CISCA, see above "Heads Up," P/A, May 1987. Installation of Grid Systems, CISCA, see above. Plaster and Drywall Systems Manual, 3rd Ed, J.R. Gorman, et al, McGraw-Hill, 1988. Tolerances, Variations, and Pre-existing Site Conditions for the Wall and Ceiling Industries, AWCI, see above, 1990. Walls & Ceilings, (ISI Publications): monthly. Associations

Association of Tile, Terrazzo and Marble **Contractors & Affiliates (ATTMCA)** PO Box 13629 Jackson, MS 39236 (601) 939-2071 **Ceramic Tile Distributors Association** (CTCA) 15 Salt Creek Lane, Suite 422 Hinsdale, IL 60521 (708) 655-3270 Conferences May 1-4, Miami. Comments represents distributors of ceramic tile and related products. Ceramic Tile Institute (CTI) 700 North Virgil Ave Los Angeles, CA 90029 (213) 660-1911 Conferences Feb 5-9, Los Angeles. Comments promotes the use of ceramic tile. Ceramic Tile Marketing Federation (CTMF) 1200 17th Street NW, Ste 400 Washington DC 20036 (800) 426-TILE *Comments* promotes public awareness of professionally installed ceramic tile. Italian Tile Association (ITA) 305 Madison Ave, Suite 3120

New York, NY 10165 (212) 661-0435

Conferences Oct 2-4, Bologna, Italy. Comments promotes the use of ceramic tile. Materials and Methods Standards Association (MMSA) c/o Harvey J. Powell, Noble Co. PO Box 332 Grand Haven, MI 49417 (616) 842-7844 Tile Council of America (TCA) PO Box 326 Princeton, NJ 08542 (609) 921-7050 Conferences May 1-4, Miami. Conferences Tile Expo May 1-4, Miami. References American National Standard Specifications for Ceramic Tile (ANSI A-137.1), TCA, see above, 1985. Ceramic Tile, Monograph 09M310, Con-struction Specifications Institute, see Specifications, 1984. Ceramic Tile, SpecGUIDE 609310, Construction Specifications Institute, see Specifications, 1987. "Ceramic Tile Floors," P/A, Apr 1990. Ceramic Tile Manual, G. Lavenberg. McGraw-Hill, 1988. Handbook for Ceramic Tile Installation, TCA, see above, 1990. MMSA Bulletins 1-16, MMSA, see above, 1988 "Prefabricated Exterior Ceramic Tile Cladding," P/A, Apr 1990. "Staying on Top of Tile," P/A, July 1989. "Tile in Wet Environments," P/A, Apr 1990. CONCRETE

Associations

American Concrete Institute (ACI) PO Box 19150 22400 W. Seven Mile Rd. Detroit, MI 48219-0150 (313) 532-2600 Conferences Nov 11-16, 1990, Philadelphia; Mar 17-22, Boston. Comments promotes and publishes concrete engineering and research. American Society of Concrete Construction (ASCC) 3330 Dundee Rd. Suite N-4B Northbrook, IL 60062 (708) 291-0270 Conferences Apr 3-7, Orlando, FL. Comments seeks to improve the performance of concrete construction **Concrete Reinforcing Steel Institute** (CRSI) 933 North Plum Grove Road Schaumberg, IL 60173 (708) 517-1200 Comments provides information to all sectors of the construction industry. National Precast Concrete Association (NPCA) 825 E. 64th Street Indianapolis, IN 46220 (317) 253-0486 Conferences Feb 7-12, San Antonio, TX. Portland Cement Association (PCA) 5420 Old Orchard Road Skokie, IL 60077 (708) 966-6200 Comments conducts and publishes research for the Portland Cement Industry. **Post-Tensioning Institute (PTI)** 1717 W. Northern Ave, Ste 218 Phoenix, AZ 85021 (602) 870-7540 Precast/Prestressed Concrete Institute (PCI) 175 W. Jackson Blvd, Suite 1859 Chicago, IL 60604 (312) 786-0300 Conferences Oct 13-16, Minneapolis. Comments fosters the understanding and use of prestressed and precast concrete. **Reinforced Concrete Research Council** (RCRC) c/o Sharon Wood Civil Engineering Department 2118 Newmark Laboratory 205 N. Matthews Ave Urbana, IL 61801 (217) 333-73841

Conferences Aug, Skokie, IL. Comments promotes and conducts research on reinforced concrete. Tilt-Up Concrete Association (TCA) 2431 W. Cummings Wood Lane Hendersonville, NC 28739

(704) 891-9578 Conferences Jan 30, Las Vegas, NV. Comments promotes the increased use of tilt-up concrete in construction. Wire Reinforcement Institute (WRI) 1760 Reston Pkwy, Ste 403 Reston, VA 22090 (703) 709-9207

References

Architectural Precast Concrete, 2nd ed, 306R-88, PCI, see above.

"Autoclaved Cellular Concrete," P/A, May 1990 Autoclaved Cellular Concrete, E. Pytlik and

P. DeVore. West Virginia University, Department of Technology Education, Morgantown (304) 293-3803.

Building Movements and Joints, EB086,

PCA, see above. Cold Weather Concreting, ACI, see above. Concrete (Harcourt Brace Jovanovich): monthly

Concrete Construction (Aberdeen Group): monthly.

Concrete International (see ACI above): monthly.

Concrete Repair Digest (Aberdeen Group): monthly.

Design and Control of Concrete Mixes, EB001, PCA, see above. Guide to Residential Cast-in-Place Concrete

Construction, 332R-84, ACI, see above. Hot Weather Concreting, 305R-89, ACI, see above.

"How to Make Durable Concrete," Construction Specifier, Jan 1989. "Innovative Use of Tilt-Up Concrete," Architectural Record, Sep 1989. "Interlocking Concrete Pavement," P/A, Dec 1989

"Joints in Construction," P/A Feb 1990. PCI Design Handbook, 3rd ed, PCI, see above. "Perfecting Architectural Concrete," P/A, Feb 1990.

Proceedings of Invitational Conference on A Review of Autoclaved Aerated Concrete Products, R. Mathey, W. Rossiter. NBSIR 87-3670, NTIS (703) 487-4650.

CURTAIN WALLS

Associations

American Architectural Manufacturers Association (AAMA) 2700 River Rd, Suite 118 Des Plaines, IL 60018 (708) 699-7310 Conferences Feb 7-9, Atlantic City, NJ; Apr 28-May 1, Colorado Springs, CO. Comments develops curtain wall design guides and specifications. Chicago Committee on High Rise

Buildings (CCHRB) c/o Skidmore, Owings and Merrill

33 West Monroe St Chicago, IL 60603 (312) 641-5359 Conferences Mar or Apr, Chicago. Comments publishes research on the design and construction of high-rise structures.

References

Aluminum Curtain Wall Design Guide Manual (continuing series), AAMA, see above.

Architects' Guide to Glass, Metal and Glazing (US Glass Publications): annual. Cladding of Buildings, Alan J. Brookes. Construction Industry Press, 1983. "Curtain Walls - Options and Issues," P/A, Apr 1990. Exterior Claddings on High Rise Buildings, CCHRB, see above, 1990. Exterior Walls: Understanding the Problems,

21203, National Research Council of Canada, see Building Science, 1983. Exteriors (Harcourt Brace Jovanovich): quarterly.

Glazing Manual, Flat Glass Marketing Association, see Glass.

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echnics

Installation of Aluminum Curtain Walls, AAMA, see above. Rain Screen Cladding, Anderson and Gill. Butterworth, 1988.

"Rain Screen Walls," P/A, Aug 1990. Science and Technology of Glazing Systems, STP 1054, American Society for Testing and Materials, see Material Standards, 1990.

Sealant Manual, Flat Glass Marketing Association, see Glass. "Up Against the Wall," P/A, Jun 1988.

DOORS & HARDWARE

Fechnics

Associations **Builders Hardware Manufacturers** Association (BHMA) 355 Lexington Ave, 17th Fl New York, NY 10017 (212) 661-4261 Comments provides hardware information. Door and Hardware Institute (DHI) 7711 Old Springhouse Rd McLean, VA 22102 (703) 556-3990 Conferences Oct 5-8, Denver. Comments represents and educates the door and architectural hardware industry. Steel Door Institute (SDI) 30200 Detroit Rd. Cleveland, OH 44145-1967 (216) 899-0010 Comments promotes the use of steel doors and frames for the construction industry. References American National Standards of Builder's Hardware, BHMA, see above Doors and Hardware (see DHI above): monthly Manufacturers Buyer's Guide, DHI, see above. Repairing and Extending Doors and Windows, H. Simmons. Van Nostrand Reinhold, 1989. ELEVATORS/ ESCALATORS/STAIRS

Associations

National Association of Elevator Contractors (NAEC) 4053 La Vista Rd, Suite 120 Tucker, GA 30084 (404) 496-1970 Conferences Oct 6-10, Miami Beach, FL. Comments promotes the elevator industry through publications and conferences. Refe

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Designing Staircases, W. Mannes. Van Nostrand Reinhold, 1982. Elevator Abstracts: Including Escalators, G.V. Barney, Halsted Press, 1987. "Elevator Modernization: Rising to the Task," Construction Specifier, Jul 1989. Elevator World (PO Box 6507, Loop Branch, Mobile, AL 36606, (205) 479-4514): monthly.

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"The Ups and Downs of Elevator Planning," Construction Specifier, Apr 1989. Vertical Transportation: Elevators and Escalators, G. Strakosh. Wiley, 1983.

FLOORING

Associations

Maple Flooring Manufacturers Association (MFMA) 60 Revere Dr, Suite 500 Northbrook, IL 60062 (708) 480-9138 Comments provides technical information about maple floors. National Oak Flooring Manufacturers Association (NOFMA) PO Box 3009 Memphis, TN 38173-0009 (901) 526-5016 Comments sets standards and promotes the hardwood flooring industry.

National Terrazzo and Mosaic Association (NTMA) 3166 Des Plaines Ave, Ste 132 Des Plaines, IL 60018 (708) 635-7744 Comments provides information about the terrazzo and mosaic industry. National Wood Flooring Association (NWFA) 11046 Manchester Rd St. Louis, MO 63122 (800) 422-4556 Conferences May 8-11, Reno, NV. Comments provides seminars & workshops for all segments of wood flooring industry. **Resilient Floor Covering Institute (RFCI)** 966 Hungerford Dr, Suite 12B Rockville, MD 20850 (301) 340-8580 Comments develops technical information on resilient floor coverings. Wood and Synthetic Flooring Institute (WSFI) 4415 West Harrison St. Ste 242C Hillside, IL 60162 (708) 449-2933 Comments provides information about commercial and industrial floors. Reference "Cerumic Tile Floors," P/A, Apr 1990. "Ceramic Tile, State of the Art," P/A, Jul 1989. "Floor Covering Directory," Interiors, Dec 1989. Floor Covering News (MacLean-Hunter, Ltd): 10/yr. Floor Coverings for Historic Buildings, H. Rosentiel, G. Winkler. Preservation Press, 1988 Flooring (Harcourt Brace Jovanovich): monthly. Hardwood Floors (see NWFA above): monthly. Maintenance Guide for Wool Contract Carpet, WB, see above. "P/A Technics: Flooring," P/A, Aug 1988. **Recommended Work Procedures for Resilient** Floor Coverings, RFCI, see above. "The Revolution of Carpet Tiles," Construction Specifier, April 1989. Self-Adhering Resilient Tile, RFCI, see above Solid Vinyl Floor Tile, RFCI, see above. Vinyl Composition, Solid Vinyl & Asphalt Tile, RFCI, see above. Vinyl Composition Tile, RFCI, see above. "Wood Flooring," Traditional Building, Jan 1990. Wool Carpet Specifications Guide and Resource Directory, WB, see above.

FOUNDATIONS

Associations

Underground Space Center University of Minnesota (USC/UMN) 500 Pillsbury Drive SE, Rm 790 Minneapolis, MN 55455 (612) 624-0066 Comments conducts research on foundation GLASS technology.

Reference

Building Foundation Design Handbook, K. Labs et al. USC/UMN, see above, 1988. Concrete Basements for Residential and Light Building Construction, IS208, Portland Cement Association, see Concrete, 1980. Concrete Floors on Ground, 2nd ed, EB075, Portland Cement Association, see Concrete, 1983.

Design and Construction of Concrete Slabs on Grade, SCM 11, American Concrete Institute, see Concrete, 1986.

Frost Protected Shallow Foundations for Houses and other Heated Structures, National Association of Home Builders, see Housing.

Guide to Residential Cast-in-Place Concrete Construction, 332-R-84, American Concrete Institute, see Concrete, 1984. Joints in Walls Below Ground, CR059, Portland Cement Association, see Concrete. Permanent Wood Foundations Systems:

Design, Fabrication, and Installation Manual, National Forest Products Association, see Wood.

Simplified Design of Building Foundations,]. Ambrose. J. Wiley and Sons, 1988. "Slabs and Floors," Concrete International/ American Concrete Institute, see Concrete, June 1989. 'Thermal Foundations: High-Grade Subgrades," P/A. Mar 1990.

FURNITURE

Associations American Society of Furniture Designers (ASFD) 521 South Hamilton St PO Box 2688 High Point, NC 27261 (919) 884-4074 Comments provides a forum for the exchange of information about furniture. **Business and Institutional Furniture** Manufacturers Association (BIFMA) 2335 Burton St SE Grand Rapids, MI 49506 (616) 243-1681 Comments serves as a general information source for the industry. **Contract Furnishings Council (CFC)** 1190 Merchandise Mart Chicago, IL 60654 (312) 321-0563 Comments educates people about the contract furniture industry FORMA, Center for Italian Furniture, Lighting and Decorative Accessories (A Division of the Italian Trade Commission) PO Box 56689 Atlanta, GA 30343 (404) 525-0660 Comments promotes Italian furniture, lighting, and decorative accessories. Conferences (see also Interior Design) International Furniture Fair, Jan 22-27, Cologne, West Germany (contact (212) 974-8837) Milan Furniture Fair, Apr 12-17, Milan (contact (201) 534-9044). Scandinavian Furniture Fair, Apr 24-28,

Copenhagen (contact Bella Center A/S, Center Boulevard, Denmark 2300, Kobenhavn S). References

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Communications): monthly. Furniture Production and Design (Sentinel Business Publications): 6/yr. Human Factors Design Handbook: Information and Guidelines for the Design of Modern Furniture, J. Pile. Wiley, 1979. "Seating Designs," Interiors, Sep 1989. Sourcebook of Modern Furniture, J Habegger. Van Nostrand Reinhold, 1989.

Associations

Flat Glass Marketing Association (FGMA) 3310 Harrison St Topeka, KS 66611 (913) 266-7013 Comments represents industry and provides information to engineers and architects. **Glass Tempering Association (GTA)** 3310 Harrison S Topeka, KS 66611 (913) 266-7064 Comments architectural community about the proper use of tempered glass. Laminators Safety Glass Association (LSGA) 3310 Harrison St Topeka, KS 66611 (913) 266-7014 Comments develops quality and safety standards for laminated glass. National Glass Association (NGA) 8200 Greensboro Dr, Suite 302 McLean, VA 22102 (703) 442-4890

Comments promotes the exchange of information about glass. Sealed Insulating Glass Manufacturers Association (SIGMA) 111 East Wacker Dr, Suite 600 Chicago, IL 60601 (312) 644-6610 Comments provides information and conducts applied research. Stained Glass Association of America (SGAA) 4050 Broadway, Suite 219 Kansas City, MO 64111 (816) 561-4404 *Comments* promotes the development of the stained and decorative glass craft. Conference Glass Week '91, Feb 17-21, Tucson, AZ. (contact Laminators Safety Glass Association (913) 266-7014). National Contract Glazing Conference, Nov 4-6, 1990 (contact National Glass Association (703) 442-4890). Reference Architect's Guide to Glass, Metal and Glazing (U.S. Glass Publications): annual. "Architectural Glass: Strengths, Selection, Sizes," P/A, Apr 1990. Engineering Standards Manual, GTA, see above. "Fenestration," Chapter 27, 1989 Fundamentals Handbook, American Society of Heating, Refrigerating, and Air Conditioning Engineers, see Heating/ Ventilating/ Air Conditioning. "Four Types of Low-e Glass," P/A, Jun 1990. Glass Digest (Ashlee Publishing): monthly. Glazing Manual, FGMA, see above. Glazing Reference Guides, NGA, see above. International Glass/Metal Catalog (Ashlee Publishing): annual. Practice for Determining the Minimum Thickness of Annealed Glass Required to Resist a Specified Load, E1300-89, American Society for Testing and Materials, see Material Standards. Sealant Manual, FGMA, see above. Technical Manual for Acoustical Glass, SIGMA, see above. "Thermal Performance Factor," P/A, June 1990. Voluntary Guidelines for Sloped Glazing of Organically Sealed Insulating Glass Units, SIGMA, see above. Voluntary Test Methods and Voluntary Performance Quality Assurance Criteria for Spacers for Sealed Insulating Glass Units,

Conferences Mar 19-23, Orlando, FL.

INDOORAIR QUALITY

Window 3.1 PC Program, Bostik (800) 523-

Associations

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SIGMA, see above.

American Society of Heating, Refrigerating, and Air-Conditioning Engineers (see Heating, Ventilating, and Air-Conditioning) Asbestos Information Association of North America (AIANA) 1745 Jefferson Davis Hwy, Ste 509 Arlington, VA 22202 (703) 979-1150 Comments provides public information concerning asbestos. Environmental Protection Agency (EPA) Washington, DC 20515 (202) 475-9605 Safe Building Alliance (SBA) 655 15th Street NW, Suite 1200 Washington, D.C. 20001 (202) 879-5120 *Comments* promotes building safety through education about asbestos. Conferences Air Quality Congress, June 12-13, Boston, MA (call (404) 447-5083). References Problem Buildings: Building-Associated Illness and the Sick Building Syndrome, J. Cone, M. Hodgson. Hanley and Belfus, 1989

Radon Handbook for the Building Industry, National Association of Home Builders, see Housing, 1989.

Radon Reduction in New Construction: An Interim Guide, National Association of Home Builders, see Housing. Radon Reduction in Schools: Technical Guidance, EPA, see above, 1989. Ventilation for Acceptable Indoor Air Quality, Standard 62–1989 American Soci-ety of Heating, Refrigerating, and Air Conditioning Engineers, see Heating, Ventilating, and Air-Conditioning. Your Home, Your Health, and Well-Being, D. Rousseau, W. Rea, and J. Enwright. Ten

Speed Press, 1989. **INSULATION**

Associations **Cellulose Insulation Standards Enforcement Program (CISEP)** c/o Dan Lea 1315 Talbott Tower Davton, OH 45402 (513) 222-1024 Center for Insulation Technology (CIT) Drexel University Mechanical Engineering and Mechanics Department Philadelphia, PA 19104 (215) 895-1833 Comments provides information to the industry and building communities. **Exterior Insulation Manufacturers** Association (EIMA) 30 Holley St Wakefield, RI 02879 (401) 782-3687 Comments conducts research and dissemnates information about exterior insulation. Mineral Insulation Manufacturers Association (MIMA) 1420 King St Alexandria, VA 22314 (703) 684-0084 Comments promotes energy conservation and increased thermal standards in housing. Perlite Institute (PI) 88 New Dorp Plaza Staten Island, NY 10306-2994 (718) 351-5723 Comments establishes product standards and specifications and conducts research. Polyisocyanurate Insulation Manufacturers Association (PIMA) 1001 Pennsylvania Ave NW Washington, DC 20004 (202)624-2709 Society of the Plastics Industry (SPI) 1275 K St NW, Ste 400 Washington, DC 20005 (202) 371-5200 Conferences Sep 15-17, Bloomingdale, IL. Vermiculite Association (VA) 52 Executive Park South Chicago, IL (312) 922-6222 Comments advances and diffuses the knowledge and use of vermiculite. References Architectural Details for Insulated Buildings, R. Brand. Van Nostrand Reinhold, 1990. Guidelines for Installing and Finishing Wood and Hardboard Siding over Rigid Foam Sheathing, National Forest Products Association, see Wood, 1988. "High-Grade Subgrades," P/A, Mar 1990. "Inside EIF Systems," P/A, Oct 1989. Insulation Manual: Homes and Apartments, National Association of Home Builders, see Housing. 1989 Handbook of Fundamentals, American

Society of Heating, Refrigerating, and Air Conditioning Engineers, see Heating, Ventilating, and Air-Conditioning.

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ZIP 1.0 PC Program (NIST), MS-DOS, MTS Software, St. Louis, (314) 441-1022 or PC Software Interest Group, Sunnyvale, CA (408) 730-9291.

LIGHTING

Associations **Illuminating Engineering Society of North** America (IES) 345 East 47th St, 9th Floor New York, NY 10017 (212) 705-7916 Conferences Aug, Baltimore, MD. Comments provides research and information about illumination. International Association of Lighting Designers (IALD) 18 East 16th St, Suite 208 New York, NY 10003 (212) 206-1281 Comments promotes professional lighting design. Lighting Research Center (LRC) Rensselaer Polytechnic Institute Troy, NY 12180-3590 (518) 276-8716 Comments conducts research on a wide variety of lighting topics. Lighting Research Institute (LRI) 345 East 47th St New York, NY 10017 (212) 705-7511 Comments sponsors and promotes research in lighting. International Lighting World, June 3-5, New York (National Expositions (212) 391-9111). Lighting Efficiency Congress, Apr 23-24, Anaheim, CA (call (404) 447-5083). References Architectural Lighting (Aster Publishing): monthly Bringing Interiors to Light: The Principles and Practices of Lighting Design, F. Smith and F. Bertolone. Watson-Guptill, 1986. Choosing Light Sources for General Lighting, CP-32-88, IES, see above. "Color Temperature," P/A, Aug 1990. "Computer Aided Lighting Design," P/A, Nov 1990. Design Criteria for Lighting Interior Living Spaces, RP-11-80, IES, see above. "Lighting as a Source of Positive Affect," P/A, Nov 1990. "Lockheed Building 157 POE," P/A, Nov 1990 Journal of the Illuminating Engineering Society, IES, see above. Light and Color: A Designer's Guide, M. Spivak and J. Tarner. AIA Press, 1984. Light Structures Analysis and Design, G. Nelson et al. Van Nostrand Reinhold, 1987. Lighting and Human Performance: A Summary Report, LRI, see above. Lighting Design and Application (see IES above): monthly, Lighting Dimensions (135 5th Ave, New York, NY 10010-7193, (212) 677-5997): 9/yr. Lighting Efficiency Applications, Fairmount Staff. Prentice Hall, 1989. Lighting for Historic Buildings, R. Moss. Preservation Press, 1988. Lighting Handbook, 1984 Reference Volume, HB-R-84, and 1987 Application, IES, see above. Lighting Ready Reference, RR-89, IES, see above. Lighting the Workplace, Wanda Jankowski. PBC Int'l Inc, 1988. "Natural Light in Museums: An Asset or Threat?" P/A, May 1990. Planning and Designing Lighting, Edward Effron. Little, 1987. **Recommended Practice for the Lumen** Method of Daylight Calculations, RP-23-89, IES, see above. MASONRY (see also Brick, Concrete) Associations **Building Stone Institute (BSI)**

420 Lexington Ave, Suite 2800

Conferences Jan 29-Feb 3, Acapulco, Mex.

Comments provides information on stone.

New York, NY 10170

(212) 490-2530

Cast Stone Institute (CSI) Pavilions at Greentree, Ste 408 State Highway 70 Marlton, NJ 08053 (609) 858-0271 Indiana Limestone Institute of America (ILIA) Stone City Bank Bldg, Suite 400 Bedford, IN 47421 (812) 275-4426 Comments promotes the use of limestone. International Masonry Institute (IMI) 823 15th St NW, Suite 1001 Washington, DC 20005 (202) 783-3908 Conferences Oct 31-Nov 3, Hilton Head, SC. Comments promotes the use of masonry in construction. Italian Marble Center (IMC) Italian Trade Commission 499 Park Ave New York, NY 10022 (212) 980-1500 Comments promotes the use of Italian mar-ble in the United States. Marble Institute of America (MarIA) 33505 State St Farmington, MI 48335 (313) 476-5558 Conferences Oct 14–17, Quebec. Comments promotes the use of dimensional stone. Masonry Institute of America (MasIA) 2550 Beverly Blvd Los Angeles, CA 90057 (213) 388-0472 Comments conducts research and publishes technical information. Masonry Society (MS) 2619 Spruce St Boulder, CO 80302 (303) 939-9700 Conference Feb 15-18, Houston. Comments provides forum for those who design, manufacture and construct masonry structures National Concrete Masonry Association (NCMA) PO Box 781 Herndon, VA 22070–0781 (703) 435-4900 Conferences Feb 16-18, Houston. Comments conducts research, promotes use, and provides technical information about concrete masonry. National Lime Association (NLA) 3601 North Fairfax Dr Arlington, VA 22201 (703) 243-LIME Reference The Architect's Handbook of Marble, Granite, and Stone (three volumes), L.E. Corbella and R. Calenzani. Van Nostrand Reinhold, 1989. Building Code Requirements for Masonry Structures and Specifications for Masonry Structures, ACI-ASCE 530-88/530.1-88, American Concrete Institute, see Concrete. Cast Stone Technical Manual, CSI, see above. Cleaning Stone and Masonry, J. Clifton, STP 935, American Society for Testing and Materials, see Material Standards, 1986. Concrete Masonry Design Resources Catalogue, NCMA, see above. Concrete Masonry Handbook, W. Panarese and F. Randall. EB 008, Portland Cement Association, see Concrete. Contractors' Handbook on Indiana Limestone, ILI, see above. Design of Reinforced and Prestressed Masonry, W. Curtin. American Society of Civil Engineers, see Engineering, 1988. Fireplace and Chimney Handbook, MasIA, see above, 1990. "Guastevino Tile Vaulting," P/A, Sep 1989. ILI Technote on Durability and Weathering in Contemporary Atmospheres, ILI, see above.

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MATERIAL STANDARDS (see also Specifications)

Associations

American National Standards Institute (ANSI) 1430 Broadway New York, NY 10018 (212) 354-3300 Conferences Apr 15-16, Chicago. Comments coordinates the development of standards for materials and products. American Society for Testing and Materials (ASTM) 1916 Race St Philadelphia, PA 19103 (215) 299-5400 Comments publishes standards for the testing of materials. Factory Mutual Research Corp (See Fire Protection) Underwriters Laboratories (UL) 333 Pfingsten Rd Northbrook, IL 60062 (708) 272-8800 Comments conducts testing for public safety. **Underwriters Laboratories of Canada** (ULC) 7 Crouse Rd Scarborough ONT M1R 3A9, Canada (416) 757-3611 Comments writes standards for fire, life, and property safety. Reference Building Materials Directory (see UL above): updated annually. Building Materials Evaluation Handbook, F.

Wilson. Van Nostrand Reinhold, 1984. Concise Encyclopedia of Building Materials, F. Moavenzadeh, Pergamon, 1989. Building Standards (see International Conference of Building Code Officials in Codes): bimonthly.

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Durability of Building Materials and Components, S. Lee. Pergamon, 1988. Fundamentals of Building Construction: Materials & Methods, E. Allen. Wiley, 1986. International Symposium on Building Materials. Pergamon, 1989. Material Components and Design Handbook.

Wiley, 1985. Simplified Mechanics and Strength of

Materials, H. Parker and J. Ambrose. Wiley, 1986.

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METALS

Associations Aluminum Association (AA) 900 19th St NW, Ste 300 Washington, DC 20006 (202) 862-5100 Comments promotes aluminum industry. American Institute of Steel Construction (AISC) 1 E. Wacker Dr, Ste 3100 Chicago, IL 60601-2001 (312) 670-2400 Comments researches and promotes the use of structural steel. American Iron and Steel Institute (AISI) 1133 15th St NW, Suite 300 Washington, DC 20005 (202) 452-7100 Conferences May 22-23, Washington, DC. Comments collects statistical information on the use of iron and steel. American Welding Society (AWS) PO Box 351040 Miami FL 33135 Conferences Apr 16-18, Detroit. Comments seeks to advance the technology of welding. Architectural Anodizers Council (AAC) 1227 W. Wrightwood Ave Chicago, IL 60614 (312) 871-2550 Comments advances and promotes the interests of the architectural aluminum anodizing industry. Copper Development Association (CDA) Greenwich Office Park 2 Greenwich, CT 06836 (203) 625-8210 Comments provides information related to the use of copper in design to architects upon request. Lead Industries Association (LIA) 295 Madison Ave New York, NY 10017 (212) 578-4750 Comments promotes and educates about the use of lead Metal Building Manufacturers Association (MBMA) 1230 Keith Building Cleveland, OH 44115 (216) 241-7333 Comments conducts research on the behavior of metal building systems and publishes metal building standards. Metal Lath/Steel Framing Association (MLSFA) 600 S. Federal St, Suite 400 Chicago, IL 60605 (312) 922-6222 National Association of Architectural Metal Manufacturers (NAAMM) 600 South Federal St, Ste 400 Chicago, IL 60605 (312) 922-6222 Conferences Apr 14-19, San Antonio, TX. Comments promotes the use of metal in architecture. Nickel Development Institute (NDI) 15 Toronto St, Ste 402 Toronto, ONT M5C 2E3 Canada (416) 362-8850 Sheet Metal and Air-Conditioning **Contractors National Association** (SMACNA) PO Box 70 Merrifield, VA 22116 (703) 790-9890 Conferences Oct 11-15, San Antonio, TX. Comments addresses industry issues and publishes technical standards and manuals. Steel Deck Institute (SDI) PO Box 9506 Canton, OH 44711 (216) 493-7886 Comments distributes literature and sets standards for steel decks. Steel Joist Institute (SJI) 1205 48th Ave North, Suite A Myrtle Beach, SC 29577 (803) 449-0487

Comments develops and publishes standards for the steel joist industry.

References

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Diaphram Design Manual, SDI, see above. Industrial Steel Buildings: Structural LFRD Design Manual for Composite Beams and Girders with Steel Deck, SDI, see above. Metal Architecture (Modern Trade Communications): quarterly. Metal Building Review (Mill Hollow): monthly. Metal Construction News (Modern Trade Communications): monthly. 1990 Catalogue of Specifications and Load Tables, SJI, see above. Quality Standards for Anodizers, AAC, see above

Sheet Copper Applications, CDA, see above. Simplified Design of Steel Structures, H. Parker. Wiley, 1990. Standard Specifications for Aluminum Siding, Soffit and Fascia, ANSI/AAMA 1402-86, American Architectural Manfacturers Association, see Curtain Walls. Steel Deck Design Manual, SDI, see above. Structural Steel in Architecture and Buildings Technology, Irving Engel. Prentice-Hall, 1988

PAINTS, COATINGS, AND WALLCOVERING

Associations Architectural Spray Coaters Association (ASCA) 230 W. Wells, Ste 311 Milwaukee, WI 53203 (414) 273-3430 Conferences May 15-17, Tucson, AZ. Comments sets standards and provides information on the use of architectural spray coatings. Forest Products Laboratory (FPL) 1 Gifford Pinchot Dr Madison, WI 53705-2398 (608) 231-9467 Comments conducts research on paints and other finishes for wood products. National Association of Decorative Architectural Finishes (NADAF) 112 North Alfred St Alexandria, VA 22314 (703) 836-6504 National Paint and Coatings Association (NPCA) 1500 Rhode Island Ave NW Washington, DC 20005-5503 (202) 462-6272 Conferences Oct 21-23, San Francisco. Comments monitors the laws that govern the paint industry. Painting and Decorating Contractors of America (PDCA) 3913 Old Lee Highway, Ste 33B Fairfax, VA 22038 (703) 359-0826 Conferences Feb 19-22, Atlanta. Comments trade organization for painting contractors. Wallcovering Manufacturers Association and Wallcovering Information Bureau (WMA and WIB) 355 Lexington Ave New York, NY 10017 (212) 661-4261 Comments promotes the use of wallcovering. References The Cooper Hewitt Museum, 2 East 9th St, New York, NY 10028: Collection of wallpa-Finishing Wood Exteriors: Application and Maintenance, Agricultural Handbook 647, No. 001-000-044-50-8, US Government Printing Office, 1986. Paints and Surface Coatings: Theory and Practice, R. Cambourne. Halstead, 1987. Permanence of Organic Coatings, STP 781, American Society for Testing and Materials, see Material Standards, 1982.

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PLASTICS

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Roofing Industry Educational Institute

Comments educates through seminars and

CO.

Cultured Marble Institute (CMI) 435 N. Michigan Ave, Suite 1717 Chicago, IL 60611 (312) 644-0828 Conferences Feb 7-9, New Orleans, LA. Comments promotes the manufacture and sale of cultured marble and onyx products. **Decorative Laminate Products Association** (DLPA) 600 South Federal St, Ste 400 Chicago, IL 60605 (312) 922-6222 Laminate Council of America (LCA) PO Box 725 Mahwah, NJ 07430 (201) 529-1240 Society of the Plastics Industry (see Insulation) References

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Roofing Products Division Rubber Manufacturers Association (RPD/ RMA) 1400 K St NW Washington, DC 20005 (202) 682-1338 Comments provides technical information on rubber-based single-ply roofing. Single Ply Roofing Institute (SPRI) 104 Wilmot Rd, Suite 201 Deerfield, IL 60015 (708) 940-8800 Conferences Jan 14-16, Tarpon Springs, FI. Comments educates building professionals on use of single-ply roofing systems. Conferences International Symposium on Roofing Technology, Apr 17–19, Montreal (contact

National Roofing Contractors Association (708) 318-6722). References

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(see Waterproofing) Reference

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Guide for Sealed Joint Design, K. Karpati, 13027, National Research Council Canada, see Building Science.

Guide to Joint Sealants for Concrete Structures, 504R-77, American Concrete Institute, see Concrete.

Science and Technology of Glazing Systems, STP 1054, American Society for Testing and Materials, see Material Standards. Sealant Guide, Flat Glass Manufacturers Association, see Glass, 1990.

Sealants in Construction, J. Klusowski. Marcel Dekker, 1989.

Sealants: The Professionals Guide, Sealant, Waterproofing and Restoration Institute, see Waterproofing.

Voluntary Specifications and Test Methods for Sealants, 800-86, American Architectural Manufacturers Association, see Curtain Walls.

WATERPROOFING

Associations

National Roofing Contractors Association (see Roofing) Sealant, Waterproofing and Restoration

Institute (SWRI) 3101 Broadway, Suite 585 Kansas City, MO 64111

(816) 561-8230 Comments provides forum for waterproof-

ing contractors and manufacturers References

The Applicator (see SWRI above): quarterly. Clear Water-Repellent Coatings, SWRI, see above.

Building Deck Waterproofing, STP 1084, American Society for Testing and Materials, see Material Standards.

Building Foundation Design Handbook, K. Labs et al, Underground Space Center, see Foundations.

Dampproofing, SpecGUIDE 07150, Construction Specifications Institute, see Specifications.

A Guide to the Use of Waterproofing, Dampproofing, Protective and Decorative Barrier Systems for Concrete, 515.1R, American Concrete Institute, see Concrete.

Roofer and Waterproofer (1125 17th St NW, Washington, D.C. 20036, (202) 638-2540). "Roofs for Use," P/A, Jul 1990.

Standard Guide for Design of Built-Up Bituminous Membrane Waterproofing Systems for Building Decks, C-981, American Society for Testing and Materials, see Material Standards.

Standard Guide for Use of High Solids Content, Cold-Liquid Applied Elastomeric Waterproofing Membrane, C-898, American Society for Testing and Materials, see Material Standards.

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fier, Mar 1990. Waterproofing Guide, SWRI, see above, 1990

Waterproofing Manual, 3rd ed, National Roofing Contractors Association, see Roofing.

WINDOWS

Associations

American Architectural Manufacturers Association

(See Curtain Walls) Lawrence Berkeley Laboratory Windows and Daylighting Group (See Daylighting)

National Fenestration Rating Council (NFRC)

962 Wayne Ave, Ste 750 Silver Springs, MD 20910 Comments develops rating systems for fenestration products and coordinates labeling activities National Wood Window & Door Association (NWWDA) 1400 East Touhy Ave Des Plaines, IL 60018 (708) 299-5200 Conferences Feb 16-20, Naples, FL; Aug 3-7, Oakbrook, IL. Comments promotes products and sets standards for the industry. Steel Window Institute (SWI) 1230 Keith Bldg 1691 Fuelid St Cleveland, OH 44115 (216) 241-7333 Comments promotes steel windows. Vinyl Window and Door Institute (VWDI) 355 Lexington Ave New York, NY 10017 (212) 351-5400 Conferences Mar 10-13, San Diego, CA. Comments develops standards and sponsors certification programs. Refere

AWNSHADE 1.0 PC Program (Florida Solar Energy Center, Cape Canaveral (407) 783-0300).

"Condensation on Windows," P/A, Sep 1990. 1989 Fundamentals Handbook, American Society of Heating, Refrigerating and Air Conditioning Engineers, see Heating, Ven-tilating, and Air Conditioning. Specifiers Guide to Wood Windows and Doors, NWWDA, see above. SUNPATCH PC Program, MS-DOS (Archi-

tectural Science, Box 15423, San Luis Obispo, CA 93406). "Thermal Performance Factor," P/A, Jun

1990. Voluntary Guide Specifications for Aluminum

Architectural Windows, GS-001, American Architectural Manufacturers Association, see Curtain Walls.

Voluntary Specifications for Aluminum Prime Windows and Sliding Glass Doors, ANSI/ AAMA 101-88, American Architectural Manufacturers Association, see Curtain Walls.

Voluntary Specification for Field Testing of Windows and Sliding Glass Doors, American Architectural Manufacturers Association, see Curtain Walls.

Voluntary Specifications for PVC Prime Windows and Sliding Glass Doors, 101V-86, American Architectural Manufacturers Association, see Curtain Walls.

The Window Handbook: Successful Strategies for Rehabilitating Windows in Historic Buildings, (Center for Architectural Conser-

vation, Georgia Tech, Box 93402, Atlanta, GA 30377.) Window Performance and New Technology,

National Research Council Canada, see Building Science, 1988. Window Selection Guide, American Archi-

tectural Manufacturers Association, see Curtain Walls, 1988.

"Windows to the Future," P/A, Jun 1990.

O O O W

Associations

American Institute of Timber Construction (AITC) 11818 SE Mill Plain Blvd, Ste 415 Vancouver, WA 98684-5092 (206) 254-9132 Comments develops technical standards and

promotes engineered glue-laminated timber. American Lumber Standards Committee

(ALSC) PO Box 210

Germantown, MD 20875-0210 (301) 972-1700 Conferences Nov 15, 1990, Seattle, WA. nents writes lumber standards.

American Plywood Association (APA) PO Box 11700 Tacoma WA 98411 (206) 565-6600 Comments promotes plywood use and technical information. American Wood Council (AWC) 1250 Connecticut Ave NW, Suite 230 Washington, DC 20036 (202) 833-1595 Comments promotes the use of wood in construction. American Wood Preservers Association (AWPA) PO Box 849 Stevensville, MD 21666 (301) 643-4163 Conferences Apr 28-May 1, Seattle, WA. *Comments* provides a forum for all segments of the industry. American Wood Preservers Bureau (AWPB) PO Box 5283 Springfield, VA 22150 (703) 339-6660 Conferences Nov 7-9, 1990, Atlanta. Comments certifies qualified treated wood inspection agencies. American Wood Preservers Institute (AWPI) 1945 Old Gallows Road Vienna, VA 22180 (703) 893-4261 Conferences EXPO '90 Nov 8, Atlanta. Comments represents interests of wood preserving industry. Architectural Woodwork Institute (AWI) 2310 South Walter Reed Dr Arlington, VA 22206 (703) 671-9100 Comments promotes use and standards for architectural woodwork. California Redwood Association (CRA) 405 Enfrente Dr. Suite 200 Novato, CA 94949 (415) 382-0662 Comments promotes the use of redwood lumber and provides specifications. Cedar Shake and Shingle Bureau (CSSB) 515 116th Ave NE, Suite 275 Bellevue, WA 98004 (206) 453-1323 Conferences Oct 4-6, Victoria, BC. Comments promotes the use and quality control of shingles and shakes. Fine Hardwood Veneer Association (FHVA) 5603 West Raymond St, Suite O Indianapolis, IN 46241 (317) 244-3312

Comments develops markets for hardwood veneer and provides veener samples. Hardwood Plywood Manufacturers Association (HPMA)

PO Box 2789 Reston, VA 22090 (703) 435-2900 Conferences Apr 16-20, Seattle, WA; Oct 23-25, Nashville, TN. Comments promotes the use of hardwood, plywood, glue bond, and veneer. Institute of Wood Research (IWR) Michigan Tech University School of Forestry and Wood Products 1400 Townsend Dr Houghton, MI 49931 (906) 487-2464 Comments develops new building and chemical products for wood applications. National Forest Products Association (NFPA)

1250 Connecticut Ave NW, Suite 200 Washington, DC 20036 (202) 463-2700 Conferences Nov 11-14, Seattle, WA. Comments provides technical standards and research for the hardwood industry. National Hardwood Lumber Association (NHLA) PO Box 34518 Memphis, TN 38184-0518 (901) 377-1818

Conferences Sep 30-Oct 2, San Francisco. Comments inspects hardwood products.

National Particle Board Association (NPBA) 18998 Premiere Ct Gaitherburg, MD. 20879 (301) 670-0604 Southern Forest Products Association (SFPA) PO Box 52468 New Orleans, LA 70152 (504) 443-4464 U.S. Forest Products Laboratory (USFPL) 1 Gifford Pinchot Dr Madison, WI 53705 (608) 231-9200 Comments conducts research on the use of wood products. Western Wood Products Association (WWPA) Yeon Building 522 South West 5th Ave Portland, OR 97204 (503) 224-3930 Conferences Mar 12-15, San Francisco. Comments conducts research and seminars for architects and specifiers. Wood Materials & Engineering Laboratory (WMEL) Washington State University Pullman, WA 99164-1806 (509) 335-4591 Comments conducts research on wood. Wood Products Information Center World Forest Institute (WPIC/WFI) 4033 S. W. Canyon Road Portland, OR 97221 (503) 228-1367 References AITC-117 Design – Standard Specifications for Structural Glued-Laminated Timber of

Softwood Species, AITC, see above. American National Standard for Hardwood and Decorative Plywood, HPMA, see above. Architectural Flush Doors, AWI, see above. Architectural Woodwork Quality Standards, Guide Specifications, and Quality Certification Program, AWI, see above. Code Conforming Wood Design, NFPA, see above.

Construction Guides for Exposed Wood Decks, Agricultural Handbook 432, US Govternment Printing Office, 1985. Design Solutions (see AWI above): quarterly. Dimensional Stability, 0601/TG, WWPA, see above, 1987.

Fine Hardwood Selectorama, FHVA, see above.

1990 Source Book, AWI, see above. Laminated Hardwood Flooring Standard, HPMA, see above. Manual for Wood Frame Construction. WCD6, NFPA, see above, 1988. National Design Specification for Wood Construction, NFPA, see above Simplified Design of Structural Wood, H.

Parker and J.Ambrose. Wiley, 1988. Southern Pine Maximum Spans for Joists and Rafters, SPMA, see above, 1988. Southern Pine Use Guide, SPMC, see above,

1989 Span Tables for Joists and Rafters, NFPA,

see above

Structural Design Guide for Hardwood Plywood, HPMA, see above Timber Construction Manual, AITC. Wiley, 1986.

Timber Design and Construction Sourcebook: A Comprehensive Guide to Methods and Practice, K. Goetz and D. Hoor, et al. McGraw-Hill, 1989.

Western Woods Species Book: Vol 1, Dimension Lumber; Vol 2, Selects-Finish/ Commons-Boads, WWPA, see above, 1985. Western Lumber Product Use Manual. WWPA, see above, 1985.

Western Woods Use Book, 3rd ed, WWPA, see above, 1985.

Wood Frame Design for Commercial/ Multifamily Construction, WWPA, see above 1988

P/A Annual Information Sources, 1990–1991

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Fechnics

Allied Disciplines

Acoustics, engineering, environmental psychology, graphic design, HVAC, industrial design, interior design, landscape architecture, photography, planning, urban design

ACOUSTICS

Associations Acoustical Society of America (ASA) 500 Sunnyside Blvd Woodbury, NY 11797 (516) 349-7800, ext. 481 Conferences Apr 29-May 3, Baltimore, MD; Nov 4-8, Houston, TX. Comments promotes practical applications of acoustics National Council of Acoustical **Consultants** (NCAC) 830 Morris-Essex Turnpike Summit, NJ 07901 (201) 379-07081 Comments serves the needs of acoustical consultants.

References "The ABC's of Office Acoustics," P/A, Jun 1989. Acoustical Design, Templeton and Saun-ders. Van Nostrand Reinhold, 1988. "Acoustics at Anchorage," Architectural Record, Apr 1989.

Acoustics Sourcebook, McGraw-Hill. 1988. Architectural Acoustics, M.Egan. McGraw-Hill, 1988. Architectural Interior Systems: Lighting, Air

Conditioning, and Acoustics, J. Flynn and A. Segil. Van Nostrand Reinhold, 1988. Architecture of Sound: Planning and Designing Auditoria, P. Lord and D. Templeton. Van Nostrand Reinhold, 1986. "Comfortable Interior Acoustic Environments," Architecture, Mar 1989. "Controlling Sound Reflections in Rooms," Architecture, Jun 1989. Design for Good Acoustics and Noise Control, J. Moore. Scholium, 1988. Directory of Acoustical Consultants, NCAC, see above. Journal of the Acoustical Society of America (see ASA above): monthly

The Master Handbook of Acoustics, 2nd Ed, F.A. Everest. TAB Books, 1988.

NCAC Newsletter (see NCAC above): quarterly "Restaurant Acoustics," Construction Speci-

fier, 1989.

Sound & Vibration (Acoustical Publications Inc, Box 40416, Bay Village, OH 44140 (216) 835-0101); monthly Theoretical Acoustics, Philip Morse and K.

Ingard. Princeton University Press, 1987.

ENGINEERING

Associations

American Association of Engineering Societies (AAES) 1111 19th St NW, Ste 608

Washington, DC 20036-3690 (202) 296-2237

Comments seeks to advance the knowledge, understanding and practice of engineering in the public interest. **American Consulting Engineers Council** (ACEC) 1015 15th St NW Washington, DC 20005 (202) 347-7474 Conferences May 19-23, Baltimore, MD. Comments aids engineers in private practice. American Society of Civil Engineers (ASCE) 345 East 47 St New York, NY 10017 (212) 705-7496 Comments trains and educates engineers to improve and develop technology. American Society of Mechanical Engineers (ASME) 345 East 47 St New York, NY 10017 (212) 705-7722 Conferences Dec 1-6, Atlanta. Comments educates mechanical engineers on technical developments through publications and conferences. Applied Technology Council (ATC) 3 Twin Dolphin Dr, Suite 275 Redwood City, CA 94065 (415) 595-1542 Comments assists the design practitioner in structural engineering and related fields. Association of Energy Engineers (see Energy Conservation) **Canadian Council of Professional** Engineers (CCPE) 116 Albert St, Suite 401 Ottawa, ONT, Canada K1P 5G3 (613) 232-2474 Comments represents professional engineers and assists them in coordinating their activities. Canadian Society for Civil, Electrical, and Mechanical Engineering (CSCE, CSEE, and CSME) Engineering Institute of Canada 2050 Mansfield St, Ste 700 Montreal H3A 1Z2, Canada (514) 842-8121 Comments serves as an umbrella organization for the engineering societies listed above. **Engineering Information Center (EIC)**

345 East 47 St New York, NY 10017 (212) 705-7600 Engineering Societies Library (ESL) 345 East 47 St New York, NY 10017 (212) 705-7611 National Society of Architectural Engineering (NSAE) PO Box 395 Lawrence, KN 66044 (913) 843-7000

National Society of Professional Engineers (NSPE)

1420 King St Alexandria, VA 22314 (703) 684-2800

Conferences Jan 13-19, New Orleans, LA; Jul 21-27, Grand Rapids, MI. Refere

AAES Ubdate (see AAES above): quarterly. ASCE News (see ASCE above): monthly. ASME News (see ASME above): monthly. Canadian Journal of Civil Engineering (see CSCE above): bimonthly.

Civil Engineering (see ASCE above): monthly

Consulting Engineers-Canada (130 Albert St., Ottawa, ONT K1P 5G4, Canada, (613) 236-0569); 6/yr

ENR (McGraw-Hill): weekly. The Engineering Index (see EIC above): an-

nual. Engineering Index Energy Abstract (see EIC above): monthly.

Engineering Journal (see American Iron and Steel Institute in Metals): quarterly. Engineering Mechanics (see ASCE above): monthly.

Engineering Times (see NSPE above): monthly.

Engineers and the Law, B. Schumacher. Van Nostrand Reinhold, 1989. Geotechnical Engineering (see ASCE above):

monthly Handbook of Engineering Design, Roy Cullum. Butterworth, 1988.

Hydraulic Engineering (see ASCE above): monthly. Indicator (see ACEC above): quarterly.

Interpro (see ACEC above):quarterly Irrigation and Drainage Engineering (see ASCE above): bimonthly.

Journal of Construction Engineering and Management (see ASCE above): quarterly. Journal of Solar Energy Engineering (see ASME above): quarterly.

Journal of Structural Engineering (see ASCE above): monthly.

The Last Word (see ACEC above): weekly. Legal and Engineering Aspects of Structural Failure, S. Brown. Van Nostrand Reinhold, 1987.

Mechanical Engineering (see ASME above): monthly

NSAE Times (see NSAE above): semi-annual.

Practical Buildability, S. Adams. Butterworth, 1989.

Practical Studies in Systematic Design, V. Hubka et al. Butterworth, 1988. Simplified Engineering for Architects and Builders, A. Parker. Wiley, 1989. Structural Engineer (Institute of Structural Engineers, 11 Upper Belgrave St, London SW1X 8BH, England): monthly. Structural Engineering (see ASCE above):

monthly. Transactions Journal (see ASME above): quarterly.

Water Resources Planning and Management (see ASCE above): bimonthly.

ENVIRONMENTAL PSYCHOLOGY

Associations

Environmental Design Research Association (EDRA) PO Box 24083 Oklahoma City, OK 33124-0083 (405) 232-2655 Conferences Mar 12-15, Oaxtpec, Mexico. Comments seeks to improve the quality of human environments through researchbased design. Human Factors Society (HFS) Box 1369 Santa Monica, CA 90406 (213) 394-1811 Conferences Sep 2-6, San Francisco. Comments society of psychologists, engineers, and industrial designers fitting people to the tools or environments they use.

Pantone Color Institute (PCI)

480 Meadow Lane Carlstadt, NJ 07072 (201) 935-5501

Comments explores and communicates psychology of color and color-related trends. References

Applied Ergonomics (Butterworth Scientific Ltd, Box 63, Westbury House, Bury St, Guildford, Surrey, GU2 5BH, England): quarterly.

Architecture and Behavior (Subscriptions: Georgie Publishing Co., Old Post Road, Brookfield, VT 050306): monthly. The Art of Color, J. Itten. Van Nostrand

Reinhold, 1989. Behavioral Issues in Office Design, Jean Wineman. Van Nostrand Reinhold, 1986. Building Design and Human Performance, N. Ruck. Van Nostrand Reinhold, 1989.

Bulletin (see HFS above): monthly. Color and Light in Man-Made Environments, F. and R. Mahnke. Van Nostrand Reinhold, 1987

The Color Compendium, A. Hope and M. Walch. Van Nostrand Reinhold, 1989. Color in Interior Design and Architecture, R. Ladau, B. Smith, J. Place. Van Nostrand Reinhold, 1989.

Color Research and Application (Wiley): bimonthly.

Color Theory and its Application in Art and Design, G. Agoston. Springer-Verlag, 1987. Creating Architectural Theory: The Role of the Behavioral Sciences in Environmental Design, John Lang. Van Nostrand Reinhold, 1986

Design Research News (see EDRA above): quarterly.

Designing Places for People: A Handbook of Environment and Behavior (see EDRA above); irregular.

Electronic Color, R. Norman. Van Nostrand Reinhold, 1990.

Handbook of Environmental Psychology, Daniel Stokols. Wiley, 1987.

Human Behavior for Architects, Designers and Facility Managers. Whitney Library of Design, 1985.

Human Factors (see HFS above): bimonthly. Environmental Design Research: How To Do It and How To Apply It, Robert Wehrli. Wiley, 1986.

Journal of Architectural and Planning Research (Locke Science Publishing, PO Box 146413, Chicago, IL 60614, (312) 243-6000): quarterly.

"Landmark Research in Relating Color and Form," Architecture, Jul 1989.

Methods in Environmental Behavioral Research, R. Bechtel, R. Marans & W. Michelson, eds. Van Nostrand Reinhold,

1986. Post-Occupancy Evaluation, Preiser, Rabinowitz, and White. Van Nostrand

Reinhold, 1988. Principles of Color Design, W. Wong. Van

Nostrand Reinhold, 1989

Principles of Light and Color, E. Babbit. Sun Publishing, 1988. The Reproduction of Color, R. Hunt. Van

Nostrand Reinhold, 1988.

GRAPHIC DESIGN

Associations

American Center for Design (ACD) 233 E. Ontario, Suite 500 Chicago, IL. 60611 (312) 787-2018 Comments an organization of communication designers that stresses dialogue among the allied design disciplines. American Institute of Graphic Arts (AIGA) 1059 Third Ave New York, NY 10021 (212) 752-0813 Conferences Oct 3-6, Chicago. Comments promotes excellence in and the advancement of the graphic design profes-

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P/A

International Graphic Arts Education Association (IGAEA) 4615 Forbes Ave Pittsburgh, PA 15213 (412) 682-5170 Society of Environmental Graphic Designers (SEGD) 47 Third St Cambridge, MA 02141 (617) 577-8225 Comments promotes environmental graphic design as a profession. References AIGA Graphic Design (see AIGA above): annual. Active Graphic Design, Vol. 1, 2, 3, 4. Belvedere, 1990 Architectural Signing and Graphic Design, J. Follis. Watson-Guptill, 1988. Art and Design Fundamentals, M. Lazzari, C. Lee. Van Nostrand Reinhold, 1990. Basic Typography, R. Ruegg, Van Nostrand Reinhold, 1989. Design Communication, E.Burden. McGraw-Hill, 1987. Contemporary Graphic Design, R. Labuz. Van Nostrand Reinhold, 1989. Design and Technology, W. Richmond. Van Nostrand Reinhold, 1990. Design Journal (see ACD above): annual. Expressive Typography, K.Elam, Van Nostrand Reinhold, 1989. Graphic Arts Photography, F. Kagy and M. Adams. Delmar, 1988. Graphic Design Basics, Amy E. Arnston Holt, Reinhart & Winston, 1988. Graphic Design for the Electronic Age, J. White. Watson-Guptill, 1988. Graphic Design Presentations, Ed Marquand. Van Nostrand Reinhold, 1987. Graphic Design: USA (104 5th Ave, New York, NY, 10011, (212) 749-8813): monthly Interior Graphic and Design Standards, S.C. Reznikoff. Watson-Guptill, 1986. Journal of American Institute of Graphic Arts (see AIGA above): quarterly. MESSAGES (see SEGD above): quarterly. Materials and Techniques Sourcebook, SEGD. Newsletter (see AIGA above): bimonthly. Print (104 Fifth Ave, New York, NY 10011, (212) 682-0830): bimonthly, Problems: Solutions: Visual Thinking for Graphic Communications, R. Wilde, Van Nostrand Reinhold, 1989. SEGD System of Classification, SEGD, see above. Signs of the Times (407 Gilbert Ave, Cincinnati, OH 45202, (513) 421-2050): 13/year. Specifications Guide, SEGD, see above.

Statements (see ACD above): guarterly. System of Classification, SEGD, see above. Visual Communications (see IGAEA above): annual.

HEATING, VENTILATING & AIR CONDITIONING

Associations

Air Diffusion Council (ADC) 230 N. Michigan Ave, Suite 1200 Chicago, IL 60601 (312) 372-9800 Comments tests air diffusion equipment. Air Movement and Control Association (AMCA) 30 West University Dr Arlington Heights, IL 60004 (708) 394-0150 Conferences Nov 17-20, 1990, Ponte Verda, FL. Comments sets standards for air movement and controls. American Gas Association (AGA) 1515 Wilson Blvd Arlington, VA 22209 (703) 841-8400

Conferences Oct 28-31, San Diego, CA. Comments lobbies for and provides information about the gas industry.

American Society of Heating, **Refrigerating and Air Conditioning Engineers** (ASHRAE) 1791 Tullie Circle NE Atlanta, GA 30329 (404) 636-8400 Conferences Jan 20-23, New York; Jun 22-26, Washington, DC. Comments professional organization for HVAC engineers. American Society of Mechanical Engineers (ASME) 345 East 47th Street New York, NY 10017 (212) 705-7722 Comments educates mechanical engineers on technical developments through publications and conferences. **Cooling Tower Institute (CTI)** PO Box 73383 Houston, TX 77273 (713) 583-4087 Conferences Feb 6-9, New Orleans, LA. Comments advocates improvements in cooling tower design and efficiency. **Edison Electric Institute (EEI)** 1111 19th St NW Washington, DC 20036 (202) 778-6400 Conferences Jun 2-5, San Diego, CA. Comments provides electrical utilities information. Hydronics Institute (HI) 35 Russo Pl PO Box 218 Berkeley Heights, NJ 07922 (201) 464-8200 Conferences Jun 5-7, Absecon, NJ; Oct 1-3, Hershev, PA. Comments educates heating contractors and publishes technical data. Institute of Heating and Air Conditioning Industries (IHACI) 606 North Larchmont Blvd, Suite 4A Los Angeles, CA 90004 (213) 467-1158 **Plumbing Heating Cooling Information** Bureau (see Plumbing) Conferences HVAC Building Systems Congress, April 23- OINTERIOR DESIGN 24, Anaheim, CA (call (404) 447-5083). HVAC Controls Symposium, Jun 12-13, Boston (call (404) 447-5083). Referen ASHRAE Journal (see ASHRAE above): monthly.

Air Conditioning, Heating and Refrigeration News (Business News Publishing): weekly. CTI News, (see CTI above): quarterly. Contracting Business (Penton Publishing): monthly.

"Electronic Systems," P/A, May 1989. "Energy's Impact on HVAC," P/A, Feb 1989. Engineered Systems (Business News Publishing): bimonthly.

HVAC: Design Criteria, Options, Selection, William Rowe. RS Means, 1988. Heating/Piping/Air Conditioning (Penton

Publishing): monthly. Intelligent Buildings, 88132, ASHRAE, see

above, 1988.

Kitchen Ventilation, 88144, ASHRAE, see above, 1989.

1989 Handbook of Fundamentals, ASHRAE, see above.

1990 Ventilation Directory, National Confer-ence of States on Building Codes and Standards, see Codes.

Psychometric Charts, set of five, 92200, ASHRAE, see above.

Residential Heating and Cooling, 88108, ASHRAE, see above, 1987.

Sample Specifications for Hydronic Heating, HI, see above.

Thermal Environmental Conditions for Human Occupancy, Standard 55-1981, 86145, ASHRAE, see above. "Thermal Environments and Comfort in Office Buildings," P/A, Jan 1989. Uniform Mechanical Code (see International Institute of Plumbing and Mechanical Officials in Plumbing): annual.

INDUSTRIAL DESIGN

Associations **Industrial Designers Society of America** (IDSA) 1142-E Walker Rd Great Falls, VA 22066 (703) 759-0100 Conferences Aug 21-24, Boston. Comments promotes the design profession and provides services to industrial designers.

International Council of Societies of Industrial Design (ICSID) Secretariat

Kluuvikatu 1 D 00100 Helsinki, Finland Telephone (358-0) 62 66 61 Telex 124723 MPAUL SF Telefax (358-0) 631 084 Conferences Sep 9-14, Ljubljana, Yugoslavia. Comments seeks to advance the disciplines of industrial design and collects, coordinates, and disseminates information about

industrial design. References

The American Design Adventure, A.J. Pulos. MIT Press, 1988. Design (Design Centre, 28 Haymarket, London SW1Y 4SU, England): monthly

Design Perspectives (see IDSA above): 10/yr. Ergonomics (Taylor & Francis, Ltd, Rankine Rd, Basingstoke, Hants, RG24 OPR England): monthly. Human Factors in Industrial Design: The

Designer's Companion, J. Burgess. TAB Books, 1989.

ICSID Newsletter (see ICSID above): bimonthly.

ID: International Design (Design Publications): bimonthly. Innovation (see IDSA above): 3/yr.

Modo (Ricerche Design Editrice S.r.I., Via Roma 21, 20094 Corsico, Milan, Italy): 10/

Product Design Models, R. Lucci and P. Orlandini. Van Nostrand Reinhold, 1989.

(see also Furniture)

Associations

AIA Interiors Committee (AIA/IC) 1735 New York Ave NW Washington, D.C. 20006 Comments discusses and disseminates infor-

mation about interiors. American Society of Interior Designers

(ASID) 1430 Broadway New York, NY 10018 (212) 944-9220

Conferences Jul 17-20, Denver, CO. Comments maintains films, videotapes, and slides.

Institute of Business Designers (IBD) 341 Merchandise Mart

Chicago, IL 60654 (312) 467-1950

Comments represents interior designers who specialize in commercial and institutional design.

International Federation of Interior Architects/Interior Designers (IFI) PO Box 19126

1000 GC Amsterdam, Netherlands 31 20 27 68 20

Conferences Jun 11-14. Chicago. International Society of Interior Designers

(ISID) 433 South Spring St, Ste 1014 Los Angeles, CA 90013

(213) 680-4240

Comments educates and licenses interior designers

Conferences

Contract Atlanta, Jan 26-27, Atlanta (con-tact Leslie Hinderliter (404) 231-1720). Designer's Saturday, Oct 10-12, New York (Linda Foa, 150 E. 58th St, New York, NY 10155 (212) 826-3155).

Fall Design Conference with Designer's Saturday, Oct 10-12, New York, NY (ID-CNY, 29–30 Thompson Ave, Long Island City, NY, (718) 937-7474). IDEX International Interior Design Exposition, Nov 15-17, 1990, Toronto,

ONT Canada,(416) 921-2127. Interior Design International, May 19-23, London, England (call for information: (212) 752-8400). NEOCON, June 11-14, Chicago (Merchan-

dise Mart, Chicago, IL ((312) 527-7600). Westweek, Mar 20-22, Hollywood, CA ((213) 657-0800). References

ASID Report (see ASID above): 5/yr. Architectural Detailing in Contract Interiors, W.Staebler, Watson-Guptill, 1988. Architectural Digest (Knapp Communica-

tions): monthly. Architectural Interior Systems, Flynn, Segil, and Seffy. Van Nostrand Reinhold, 1987. Architecture, Furniture, Interior Design,]. Pinchon. MIT Press, 1989.

Construction Materials for Interior Design, J. Rupp. Watson Guptil, 1989.

Contract (Gralla Publications): monthly. Designer's West (Art's Alliance Corp, 8770 Beverly Blvd, Los Angeles CA 90048 (213) 657-8231): monthly.

Interior Architecture Illustrated, F. Ching, Van Nostrand Reinhold, 1987.

Interior Design (Business Publications Ltd, Audit House, Field End Road, Ruislip, Middlesex HA49LT, England): monthly Interior Design Magazine (249 W. 17th St, New York, NY 10011 (212) 645-0067): monthly.

Interior Graphic and Design Standards, Reznikoff, Watson-Guptill, 1986. Interior Landscape Industry Magazine (111 North Canal St. Suite 545, Chicago, IL 60606, (312) 782-5505): monthly Interiors (Billboard Publications): monthly. Interiorscape (Brantwood Publications): 6/yr.

Journal of Interior Design Education and Research (Interior Design Educators Council, Dorothy Fowles, Department of Art and Design, College of Design, Iowa State University, Ames, IA 50011): semi-annual. "New Guidelines for Interior Design Education," Architecture, Aug 1989. Professional Practice for Interior Designers, Piotrowski. Van Nostrand Reinhold, 1989. "Seismic Performance of Interiors," Architecture, Apr 1989. "Technics Topics: Earthquake Resistant

Interior Furnishings," P/A, Sep 1990. World of Interiors (Pharos Publications, 234 King's Rd, London SW35UA, England): 11/vr.

LANDSCAPE ARCHITECTURE

Associations

American Society of Golf Course Architects (ASGCA) 221 North LaSalle St Chicago, IL 60601 (312) 372-7090 Comments provides information about golf course design for the general public. American Society of Landscape Architects (ASLA)

4401 Connecticut Ave NW, 5th floor Washington, DC 20008 (202) 686-2752

Conferences Oct 19-22, Kansas City, MO. Comments represents landscape architects across the U.S. and promotes education in the profession.

Canadian Society of Landscape Architects (CSLA)

PO Box 870, Station B Ottawa, ONT K1P 5P9, Canada (613) 232-6342

Comments serves and manages the affairs of the profession and provides information. Concrete Paver Institute (CPI) PO Box 781

Herndon, Va 22070 (703) 435-4900

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Comments represents producers of interlocking concrete pavers who provide technical support to project designers. Landscape Architecture Foundation (LAF) 4401 Connecticut Ave NW, Ste 500 Washington DC 20009

(202) 686-2752 Comments promotes landscape design through scientific research and education.

Referenc

ACORA (see LAF above): annual. Amenity Landscape Management, R. Cobham. Van Nostrand Reinhold, 1990. American Landscape Architecture: Designers and Places. National Trust for Historic Preservation, 1989.

Design Communication for Landscape Architects, L. Wester. Van Nostrand Reinhold, 1989.

Earthscape: A Manual of Environmental Planning, J.O. Simonds. Van Nostrand Reinhold, 1986.

Fundamentals of Landscaping and Site Planning, James B. Root. Van Nostrand Reinhold, 1987.

Garden Design Magazine (see ASLA above): quarterly.

Graphic Standards for Landscape Architecture, Richard Austin. Van Nostrand

Reinhold, 1986.

A Guide to Site and Environmental Planning, H. Rubenstein. Wiley, 1987. "High-Tech Topiaries," P/A, Mar 1989.

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above): bimonthly. Landscape Architecture (see ASLA above):

monthly. Landscape Design (Landscape Design Trust, 5A West St, Reigate, Surrey RH2 9BL,

England): bimonthly. Landscape Journal (University of Wisconsin

Press): semi-annual. Landscape Professional Practice, H. Clamp. Gower Publishers, 1988.

Life Between Buildings, J. Gehl. Van Nostrand Reinhold, 1987. Native Trees, Shrubs and Vines for Urban and Rural America, G. Hightshoe. Van

Nostrand Reinhold, 1987. "New American Landscape," Special Issue of P/A, July 1989.

The Oxford Companion to Gardens, G. and S. Jellicoe. Oxford University Press, 1986. The Poetics of Gardens, C. Moore, W. Mitchell, and M. Valkenburgh. Abrams, 1989

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PHOTOGRAPHY

Associations

Professional Photographers of America (PPA) 1090 Executive Way Des Plaines, IL 60018 (708) 299-8161 Conferences July 12–16, Dallas, TX. Comments advances the art and science of photography and provides education and marketing services for its members.

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PLANNING

(see also Landscape Architecture, Urban Design)

Associations

American Institute Of Certified Planners/ American Planning Association (AICP/APA)

1776 Massachusetts Ave NW, Suite 704 Washington, DC 20036 (202) 872-0611 Conferences Mar 23-27, New Orleans, LA. Comments represents planners and concerned citizens, provides information, and conducts research. American Society of Consulting Planners (ASCP) c/o Bruce Yoder 1015 15th St NW, Ste 600 Washington, D.C. 20005 (202) 789-0220 Comments conducts research and specialized educational programs. Canadian Institute of Planners (CIP) 126 York St, Suite 404 Ottawa, ONT K1N 5T5, Canada (613) 233-2105 Conferences Jul 7-10, Quebec City, Quebec.

Comments seeks to develop and maintain high standards in town planning. Center for Design Planning (CDP) 1208 N. McKinley St Albany, GA 31701

(912) 888-1606 Comments provides information about regional and urban economic development and design.

Council of Planning Librarians (CPL)

1313 E. 60th Street Chicago, 1L 60637 (312) 947-2163

Downtown Research and Development Center (DRDC)

1133 Broadway, Suite 1407 New York, NY 10010 (212) 206-7979 *Comments* studies and reports on downtown problems and solutions and provides a focus for recycling cities.

Environmental Design Research Association (see Environmental Psychology) Partners for Livable Places (PLP) 1429 21st St NW Washington, DC 20036 (202) 887-5990 Conferences Oct 24-27, St. Louis. Comments provides educational programs and public information to assist communites in planning. Urban Land Institute (ULI) 625 Indiana Ave NW, Suite 400 Washington D.C. 20004 (202) 289-8500 Comments works to improve land development policy. References AICP Notes on Planning (see AICP above): monthly. City Center Planning and Public Transport, B. Simpson. Van Nostrand Reinhold, 1988. City: Rediscovering the Center, William H.

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• U R B A N D E S I G N (see also Planning)

Associations

AIA Regional and Urban Design Committee (AIA/RUDC) 1735 New York Ave NW Washington, DC 20006 (202) 626-7452 Comments brings together members of the AIA and other organizations concerned with urban design and redevelopment issues Institute for Urban Design (IUD) 4253 Karensue Ave San Diego, CA 92122 (610)455-1251 Comments seeks to improve the physical form of cities through publications and programs. **Urban Land Institute** (see Planning) Waterfront Center (WC) 1536 44th St NW Washington D.C. 20007 (202) 337-0356 Conferences Oct 10-12, Washington D.C. Comments assists communities in urban waterfront enhancement. References Architecture and Urban Design (UMI Research Press): irregular. "Beyond the Cul-de-Sac," Landscape Architecture, Oct 1989. "Building Types Study: Downtowns Revised," Architectural Record, Sep 1989. "Challenges of Overcrowding," Landscape Architecture, Mar 1989. "Design Ordinance for Multi-Family Housing," P/A, Jan 1989. *Emerging Concepts in Urban Space Design*, G. Lewis, Van Nostrand Reinhold, 1988. Finding Lost Space, Roger Trancik. Van Nostrand Reinhold, 1986. An Introduction to Urban Design, J. Barnett. Harper & Row, 1982. Law in Urban Design and Planning, Richard Lai. Van Nostrand Reinhold, 1987. A New Theory of Urban Design, C. Alexander et al. Oxford University Press, 1987 The Order of the American City, M. Gandelsonas. Princeton Architectural Press, 1990 The Pedestrian Pocket Book: A New Suburban Design Strategy, D. Kelbaugh. Princeton University Press, 1989. Remaking Cities, B. Cavis. University of Pittsburgh Press, 1989. "Reordering the Suburbs," P/A, May 1989. Reweaving the Urban Fabric, G. Hermanuz, M. Gutman et al. Princeton Architectural Press, 1990. "Saving the Urban Tree," Landscape Architecture, Sep 1989. Shaping the City, R. Lewis. AIA Press, 1987. "Slow-Growth Movements Gain Momentum," Building Design and Construction, Jun 1989 "Urban Design and Preservation," Architecture, Nov 1989. Urban Design Monographs (see IUD above): quarterly. Urban Excellence: Concepts and Case Studies, P. Langdon. Van Nostrand Reinhold, 1989. Urban Update (see IUD above): 6/yr. The Urban Waterfront, Bonnie Fisher and Boris Dramov. Van Nostrand Reinhold, 1987.

P/A

Practice

Computers, construction management, education, facility management, law, marketing, practice management, project management, registration, specifications

COMPUTERS

Associations Association for Computer-Aided Design in Architecture (ACADIA) c/o Pamela Bancroft School of Architecture Montana State University Bozman, MT 59717 (406) 994-4717 Conferences Oct 4-6, Big Sky, MT. Comments examines computer use in the design curriculum. **CEPA:** Society for Computer Applications in Engineering, Planning and Architecture c/o Robert Marshall Edwards and Kelcey Inc 70 S. Orange Ave Livingston, NJ 07039 Comments propagates the use of computers in engineering and architecture. National Computer Graphics Association (NCGA) 2722 Merrilee Dr, Suite 200 Fairfax, VA 22031 (703) 698-9600 Conferences Apr 22-25, Chicago. Comments promotes computer graphics. Society for Computer-Aided Engineering (SCAE) 5411 E State St Rockford, IL 61108 (800) 338-5646 Comments fosters the advancement of computer technology and educates the engineers from a user standpoint. Conferences A/E/C Systems '91: May 7-10, Washington, DC ((215) 444-9690). AIDD: 31st Technology Exposition, Mar 8-10, Arlington, VA. (American Institute for Design and Drafting (301) 460-6875). Reprographic Association Annual Conference: May 1-5, Orlando, FL (Contact

International Reprographic Association, (708) 852-3055). Reference

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CONSTRUCTION MANAGEMENT

Associations

Construction Management Association of America (CMAA) 12355 Sunrise Valley, Suite 640 Reston, VA 22091 (703) 391-1200

Conferences Sep 26-Oct 2, San Diego, CA. Comments promotes construction management as a professional service and enhances the quality of its practice. References

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DESIGN AND PLANNING EDUCATION

Associations

AIA Architects in Education Committee (AIA/AEC) 1735 New York Ave NW Washington, DC 20006 (202) 626-7358 **AIA Professional Development Programs** (AIA/PDP) 1735 New York Ave NW Washington DC 20006 (202) 626-7348 Comments assists architects in remaining abreast of evolving techniques and materials. American Institute of Architects Students (AIA/S) 1735 New York Ave NW Washington, DC 20006 (202) 626-7472

ConferencesNov 20-25, San Francisco. American Society for Engineering Education (ASEE) 11 Dupont Circle, Suite 200 Washington, DC 20036 (202) 293-7080 Conferences Jun 16-19, New Orleans, LA. Association of Collegiate Schools of Architecture (ACSA) 1735 New York Ave NW, 3rd floor Washington, DC 20006 (202) 785-2324 Association of Collegiate Schools of Planning (ACSP) c/o Carl Patton Office of Academic Affairs University of Toledo Toledo, OH 43606 Conferences Jul 7-10, Oxford, England. Canadian Council of University Schools of Architecture (CCUSA) c/o Eric Haldenby School of Architecture University of Waterloo Waterloo, ONT Canada N2L 3G1 **Commonwealth Board of Architectural** Education (CBAE) c/o Commonwealth Association of Architects 66 Portland Place London W1N 4AD, England 01-636-8276/7596 Foundation for Interior Design Education Research (FIDER) 60 Monroe Center NW Grand Rapids, Mich. 49503-2920 (616) 458-0400 Comments accredits interior design programs. National Architectural Accrediting Board (NAAB) 1735 New York Ave NW Washington, DC 20006 (202) 783-2007 Comments accredits architectural programs. National Council for Interior Design Qualification (see Registration) National Institute for Architectural Education (NIAE) 30 West 22nd St, 5th & 6th floor New York, NY 10010 (212) 924-7000 Comments sponsors competitions and conducts Career Days in Boston, Chicago, NY, LA, Washington, D.C. References AIA Professional Development Resource Catalog, AIA/AEC, see above. Accredited Programs in Architecture (see NAAB above): annual. Architect: A Candid Guide to the Profession, Roger K. Lewis. MIT Press, 1985. "Architectural Education: Bridging the Teaching/Practice Gap," Architectural Record, July 1989.

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Practice

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• FACILITY MANAGEMENT

Associations

(AIPE) 3975 Erie Ave Cincinnati, OH 45208 (513) 561-6000 Association of Physical Plant Administrators (APPA) 1446 Duke St Alexandria, VA 22314 (703) 684-1446 Conferences Jul 21-24, Ottawa, ONT. Building Owners and Managers Association International (BOMA) 1201 New York Ave, NW Ste 300 Washington, DC 20005 (202) 408-2662 Conferences Jun 23-27, Nashville, TN.

American Institute of Plant Engineers

Comments seeks to advance the quality and influence of the industry with information and education. International Facility Management

Association (IFMA) 1 Greenway Plaza East, 11th Fl.

Houston, TX 77046-0194 (713) 623-4362 References

Corporate Facility Planning: An Inside View for Designers and Managers. S. Binder, McGraw-Hill, 1989.

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above): 6/yr. Facility Management Systems: Organizing Data for Architectural Programming, J. Hammer. Van Nostrand Reinhold, 1988.

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Management (Graphic Systems Inc, 180 Franklin St, Cambridge, MA 02139): monthly.

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LAW

Associations

American Arbitration Association (AAA) 140 West 51 St New York, NY 10020 (212) 484-4000 Conferences

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"Third Party Suits," P/A, Sep 1989. "Waiving Liens," P/A, Aug 1989.

MARKETING

(see also Practice Management)

Associations

Society for Marketing Professional Services (SMPS) 99 Canal Center Plaza, Ste 320

Alexandria, VA 22314 (703) 549-6117 *Conferences* Sep 3–6, Washington, DC. *Comments* represents marketing people in the architecture and engineering fields. **References**

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PRACTICE MANAGEMENT

Associations

National Association of Financial Managers in the Design Professions (NAFMDP) PO Box 18918 Oklahoma City, OK 73118 (405) 848-1111

Conferences Mar, Cancun, Mexico; Oct, St. Louis. Comments provides financial information

and budget software. Professional Development Institute (PDI)

1206 Bank St Ottawa, ONT K1S 3Y1 Canada (613) 523-3333 *Comments* provides professional develop-

ment services. Professional Services Management Association (PSMA)

4726 Park Rd, Ste A Charlotte, NC 28209 (704) 521-8822

Conferences Oct 10-12, Charleston, SC. References

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Administration Report (Institute of Office Management, 5 W. 36th St, New York, NY 10018): monthly.

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PROJECT MANAGEMENT (see also Practice Management)

Associations

Professional Development Institute (see Practice Management) Professional Services Management Association (See Practice Management) Project Management Institute (PMI) 4 Woodland Ave Drexel Hill, PA 19026 (215) 622-1796 References In Architeck's Cruid to Running of Laboratory

An Architect's Guide to Running a Job, Ronald Green. Van Nostrand Reinhold, 1986.

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REGISTRATION

Associations

Architectural License Seminars (ALS) Box 64188 Los Angeles, CA 90064 (213) 208-7112 Comments serves as an educational organization to help candidates prepare for the AL exam **Council of Landscape Architectural Registration Boards (CLARB)** 4 Adler Dr, Ste 6 East Syracuse, NY 13057 (315) 463-4545 Comments coordinates the landscape architecture licensing exam. Institute of Design and Construction (IDC) 141 Willoughby St Brooklyn, NY 11201 (718) 855-3661 Comments prepares candidates for the national licensing exam. National Council of Architectural **Registration Boards (NCARB)** 1735 New York Ave NW, Suite 700 Washington, DC 20006 (202) 783-6500 National Council for Interior Design Qualification (NCIDQ) 118 E. 25th St NY, NY 10010 (212) 473-1188 Comments administers the NCIDQ exam. The Registration Institute (RI) 2600 Bantry Bay Dr Tallahassee, FL 32308 (904) 668-2040 Comments prepares architects for and administers registration exams. Reference

Architect Registration Examination Handbook (see NCARB above): annual. Design Exercise Handbook, ALS, see above. Exam Fact Book, ALS, see above Exam Questions and Answers, ALS, see above. Licensed Architect: Building Design Examination Primer, K. Zinns, J. North, B. Chin. Arcade Publishers, 1986.

"P/A Reader Poll: Internship and Registration." June 1989. Structural Questions and Answers, ALS, see above.

SPECIFICATIONS

(see also Material Standards)

Associations

American Society for Testing and Materials (see Material Standards)

Construction Specifications Institute (CSI) 601 Madison St Alexandria, VA 22314 (703) 684-0300 Conferences Jun 28-30, San Diego, CA. Comments seeks to advance construction technology through communication, education, research, and service.

References Architectural Specifications Writer, J. Rudman. National Learning, 1989. "Computerized Specifications," Architectural Record, Aug 1989. Consulting Specifying Engineer (Cahners Publishing): 13/yr. Construction Specifications Writing, H. Rosen and T. Heineman. Wiley, 1990. Construction Specifier (see CSI above): monthly.

"Expert Panel Explores the Pros and Cons of Computerized Building Specifications,' Architectural Record, Jun 1989.

"Get the Most From Your Specifications Department," Construction Specifier, Jan 1990.

"How to Hire and Work with a Specifier," Construction Specifier, Apr 1989. "Microcomputer in Role of Specifications Expert," Architecture, Apr 1989. The Practical Specifier: A Manual of **Construction Documentation for Architects**, Rosenfeld. McGraw-Hill, 1985. "Software for Specifications," Architecture,

Jan 1990. Specification (Architectural Press Ltd, 9 Queen Anne's Gate, Westminster, London SW1H 9B4, England): semi-annual. Specification Writing and Management, McRobb. Dekker, 1989. Specification Writers' Handbook, J. Weyl. Pacific Odyssey, 1989. "Specifications: Custom Curtain Wall, P/A, Apr 1990. "Specifications: Fast Track Methods," P/A Nov 1989. "Specifications: Finding Consultants," P/A Jan 1989. "Specifications: Getting Physical," P/A Feb 1990 "Specifications: Good Communication, P/A, June 1989. "Specifications, Liability, and the Construction Process," Architecture, Aug 1989 "Specifications: Performance Specs, " P/A Sep 1989. "Specifications: Thinking Thin, P/A, Jul 1989 "Specifications: Witness," P/A, Apr 1989. The Specifications. Writer's Book of Checklists and Forms, H. Simmons. Wiley, 1985. "Testing a Computerized Master Specification System," Architecture, Apr "Warranties on Building Products," P/A,

Aug 1989.

Reference and Recognition

Awards programs, bibliographies, book publishers, design competitions, general information

AWARDS PROGRAMS (see also Competitions)

AIA Architecture for Health Committee (202) 626-7366 Comments Health Care Design Awards with Modern Health Care Magazine (312) 649-5355, deadline late June.

AIA Committee on Architecture for Justice

(202) 626-7366 Comments Annual Exhibit with American Correctional Association, deadline early May

AIA Committee on Regional and Urban Design (202) 626-7452 Comments Citation for Excellence in Urban Design, deadline early June.

AIA St. Louis Chapter (314) 621-3484 Comments National Architectural Competition, for AIA members, deadline March 1.

American Institute of Architects (202) 626-7390 Honor Awards, deadline Aug.

AIA/ACSA Topaz Medallion for Excellence in Architectural Education, deadline Oct. Gold Medal, deadline Aug (nominated by board members).

Kemper Award/Whitney Young Citation, deadline Sep (nominated by board members).

R.S. Reynolds Memorial Award, deadline Nov

Louis Sullivan Award for Architecture, deadline Jan 7. Library Buildings Award Program, deadline Oct.

Brick in Architecture Awards Program, deadline Jan 4. American Institute of Certified Planners

(202) 872-0611 Comments Student Projects Award, Historic Landmarks/Pioneers Program

American School and University (215) 238-5300 Comments Outstanding Educational Facility Award, deadline Apr. American Society of Architectural

Perspectivists (617) 527-6790 Comments Architecture in Perspective Drawing Award, deadline Jun 15. American Society of Interior Designers (212) 944-9220 Comments Interior Design Project Awards, deadline Apr. Interior Design Product Award, deadline Jul. American Wood Council (202) 833-1595 Comments Wood Design Awards Program,

deadline Sep. Architectural League of New York (212) 753-1722 Comments Young Architects, deadline late Mar.

Comments Design in Excellence Award, deadline Jan 31 Architectural Woodwork Institute (703) 671-9100 Comments AWI Award of Excellence, submissions accepted at any time. Associated General Contractors of America (202) 393-2040 Comments National Construction Photography Awards, deadline Jan. Association of Collegiate Schools of Architecture (202) 785-2324 Comments Topaz Medallion (with AIA), deadline late Oct; ACSA-Prestressed Concrete Institute Award, registration Feb. Association of School Business Officials International (703) 478-0405 Comments Annual Architectural Awards of Excellence and Merit, deadline Sept. The Canadian Architect (416) 445-6641 Comments Awards of Excellence Program, deadline Sep. City Club of New York (212) 921-9870 Comments Bard Awards for Excellence in Architecture and Urban Design, deadline Feb. **Contract Furnishings Council** (312) 321-0563 Comments CFC Award of Recognition. Downtown Research and Development Center (212) 206-7979 Comments Downtown Development Award, deadline Sep. Environmental Design Research Association 405 232-2655 Comments all deadlines Oct: EDRA Achievement Award, EDRA Service Award, EDRA Career Award. **Illuminating Engineering Society of North** America (212) 705-7923 Comments International Illumination Design Award Program, deadline Dec. Industrial Designers Society of America (703) 759-0100 Comments Industrial Design Excellence Awards, deadline May. Institute of Business Designers (312) 467-1950 Comments deadlines Aug: Contract Design Awards, Product Design Awards. Interfaith Forum on Religion, Art, and Architecture (202) 387-8333 Comments Design Awards Program.

Architectural Precast Association

(317) 251-1214

Sources, 1990–1991

Annual Information

P/A

Interiors Magazine (212) 764-7300 Comments Interiors Awards, deadline Sep. International Association of Lighting Designers (212) 206-1281 Comments IALD Lighting Design Awards, deadline Dec 4. ID (International Design Magazine) (212) 695-4955 Comments ID Annual Design Review, deadline May. Landscape Architecture Foundation (202) 686-0068 Comments LeGasse Medal, deadline May. National Association of Home Builders (202) 822-0254 Comments Best in American Living; Housing Hall of Fame, by nomination only; Renaissance Awards, deadline late Sept. National Association of Store Fixture Manufacturers (305) 587-9190 Comments Store Interior Design Award, deadline Sep 15. National Glass Association (703) 442-4890 Comments Award for Excellence in Design, deadline Jan 1, 1992. National Landscape Association (202) 789-2900 Comments Residential Landscape Design Award, deadline mid-Oct. National Lighting Bureau (202) 457-8437 Comments Lighting Awards Program, deadline mid-Oct. National Trust for Historic Preservation (202) 673-4162 Comments Louis du Pont Crowninshield Award, by nomination only; Preservation Honor Awards, deadline Jun; Home Resto-ration Awards, deadline May. **Portland Cement Association** (708) 966-6200 Comments Bridge Award, deadline Oct; Concrete Buildings Award Program, next offered 1991. Prestressed Concrete Institute (312) 786-0300 Comments Design Awards Program, deadline July 31. **Progressive Architecture** (203) 348-7531 Comments P/A Awards Program for projects not yet completed, deadline Sep. Red Cedar Shingle and Shake Bureau (206) 453-1323 Comments Architectural Awards Program, deadline mid July. Royal Architectural Institute of Canada (613) 232-7165 Comments Allied Arts Medal; RAIC Gold Medal, by nomination only; RAIC Student Medals Society of Architectural Historians (215) 735-0224 Comments Alice Davis Hitchcock Book Award, nomination only; Founder's Award. System Builder's Association (513) 698-4127 Comments Building of the Year, deadline Jan. The Waterfront Center (202) 3337-0356 Comments Excellence on the Waterfront, deadline Jun. Referen Architecture and Competitions (Karl Kramer Verlag, Schulze-Delitzsch Str. 15, 7000. Stuttgart 80, Federal Republic of Germany): quarterly. Awards, Honors and Prizes, Gita Siegman, Gale Research Co. 1988. Deadlines Design Competition Registry (HCI, Box 17, Hawley, MA 01339 (413) 338-4018): 15/year. Design Arts Competition Directory (DACD, PO Box 1235, Cambridge, MA 02238): annual. P/A "Calendar," monthly.

BIBLIOGRAPHIES

AIA Bibliographies

American Institute of Architects Library 1735 New York Ave NW Washington, DC 20006 (202) 626-7493 Comments list of architectural bibilographies can be obtained from the AIA Library. Art Bibliographies Modern (ABC-Clio, Riviera Campus, Santa Barbara, CA 93130-4397): semi-annual. Bibliographic Guide to Art and Architecture (GK Fall and Co, 70 Lincoln St, Boston, MA 02111): annual Vance Bibliographies 122 N. Charter St. PO Box 229 Monticello, IL 61856 (217) 762-3831 Comments list of architectural bibliographies available upon request.

BOOK PUBLISHERS

AIA Press 1735 New York Ave NW Washington, DC 20006 (202) 626-7575 Aberdeen Group 426 S. Westgate Addison, IL 60101 (800) 837-0870 Harry N. Abrams 100 Fifth Ave New York, NY 10011 (800) 345-1359 **Arcade Publishers** Box 5365 Berkeley, CA 94705 (415) 255-2733 Ashlee Publishing 310 Madison Ave New York, NY 10017 (212) 682-7681 Aster Publishing 859 Willamette St Eugene, OR 97440 (503) 343-1200 Auerbach Publishers 1 Penn Plaza New York, NY 10119 (212) 971-5051 Belvedere 1501 17th St, Ste 1106 Seattle, WA 98122 (206) 322-2838 **Billboard Publishers** 1515 Brodway New York, NY 10036 (212) 764-5147 Brantwood Publishers Northwood Plaza Station Clearwater, FL 33519 (813) 496-3877 Braziller 60 Madison Ave, Ste 1001 New York, NY 10010 (212) 889-0909 **Business News Publishing** PO Box 2600 Troy, MI 48007 (800) 247-2160 Butterworth 80 Montvale Ave Stoneham, MA 02180 (800) 544-1013 **Cahners** Publishing 275 Washington St Newton, MA 02150 (617) 291-5609 **Cambridge University Press** 40 W. 20th St New York, NY 10011 (800) 221-4512 **Century Communications** 6201 Howards St Niles, IL 60648 (708) 647-1200 **Construction Industry Press** PO Box 9838 San Rafael, CA 94912 (415) 927-2155

Cornell University Press 124 Roberts Pl Ithaca, NY 14850 (607) 257-7000 Craftsman Book 6058 Corte del Cedro Box 6500 Carlsbad, CA 92009 (619) 438-7828 Crisp Publications 95 First St Los Altos, CA 94022 (415) 949-4888 **DSR** Publishing PO Box 20 Scarborough, ME 04074 (207) 767-6071 Dekker, Marcel 270 Madison Ave New York, NY 10016 (800) 228-1160 Delmar 2 Computer Dr West Albany, NY 12205 (800) 347-7707 **Delta Communications** 400 N. Michigan Ave, 13th Fl Chicago, IL 60611 (312) 222-2000 **Design** Publications 330 W. 42nd St New York, NY 10036 (212) 695-4955 Doubleday & Co 666 5th Ave + 53rd St New York, NY 10103 (212) 765-6500 **Dover Publications** 31 E. 2nd St Mineola, NY 11501 (800) 223-3130 **Edgell Communications** 1 E. 1st St Duluta, MN 55802 (800) 346-0085 **Elsevier Science** PO Box 882 Madison Square Station New York, NY 10159 (212) 989-5800 Fairmont Press 700 Indian Trail Lilburn, GA 30247 (404) 925-9388 **GRDA** Publications 110 Tiburon Blvd Mill Valley, CA 94941 (415) 388-6080 **Gower Publishing Co** Old Post Rd Brookfield, VT 05036 (802) 276-3162 **Gralla** Publishers 1515 Broadway New York, NY 10036 (212) 869-1300 Greenwood Pub Co 88 Post Rd West Box 5007 Westport, CT 06881 (203) 226-3571 **Halsted Press** 605 Third Ave New York, NY 10145 (212) 850-6418 Hanley and Belfus 210 S. 13th St Philadelphia, PA 19107 (215) 546-4995 Harcourt Brace Jovanovich 7500 Old Oak Blvd Cleveland, OH 44130 (216) 243-8100 Harper and Row 10 E. 53rd St New York, NY 10022 (800) 242-7737 Harvard University Press 79 Garden St Cambridge, MA 02138 (617) 495-2600 **Hitchcock Publishing** Hitchcock Bldg Wheaton, IL 60188 (708) 665-1000

Holt, Rinehart & Winston 6277 Sea Harbor Dr. Orlando, FL 32887 (800) 782-4479 Horizon Books PO Box 3083 Fremont, CA 94539 (415) 657-6439 ICBO 5360 W. Workman Mill Rd Whittier, CA 90601 (213) 699-0541 W. Kaufmann PO Box 50490 Palo Alto, CA 94303 (415) 965-4081 **Knapp** Communications 5900 Wilshire Blvd Los Angeles, CA 90036 (213) 937-4740 Robert E. Krieger Publishing PO Box 9542 Melbourne, FL 32902-9542 (407) 724-9542 Little Books 5892 E. Jefferson Ave Denver, CO 80237 (303) 758-1282 M.I.T. Press 55 Hayward St Cambridge, MA 02142 (617) 253-2884 MacLean-Hunter Ltd 777 Bay St Toronto ONT M5W 1A7 (416) 396-5000 MacMillan Publishing Co Front and Brown Streets Riverside, NJ 08075 (800) 257-5755 McGraw-Hill Book Co 1221 Ave of the Americas New York, NY 10020 (212) 512-2000 **RS** Means Co PO Box 800 100 Construction Plaza Kingston, MA 02364 (800) 448-8182 Methuen (Heinemann Educational Books) 70 Court St Portsmouth, NH 03801 (603) 431-7894 Mill Hollow Publications 19 W. 21st St New York, NY 10010 (212) 741-2095 **Modern Trade Communications** 7450 Skokie Blvd Skokie, IL 60077 (312) 647-2200 National Academy Press 2102 Constitution Ave NW Washington, DC 20418 (202) 334-3313 National Learning 212 Michael Dr Svosset, NY 11791 (800) 645- 6337 National Technical Information Services 5285 Port Royal Rd Springfield, VA 22161 (703) 487-4600 Nichols Publishing Co 11 Harts Lane E. Brunswick, NJ 08816 (201) 238-4880 **Noyes** Publications Mill Rd at Grand Ave Park Ridge, NJ 07656 (201) 391-8484 Ohio State University Press 180 Pressey Hall 1070 Carmack Rd Columbus, OH 43210 (614) 292-6930 **Oxford University Press** 200 Madison Ave, 9th Fl New York, NY 10016 (800) 451-7556 **PBC** International 1 School St Glen Cove, NY 11542

(800) 527-2826

Mesa, AZ 85203 (602) 835-9161 Pacific Odyssey 909 South First St Arcadia, CA 91006 (818) 446-2181 Penguin Books USA 120 Woodbine St Bergenfield, NJ 07621 (800) 526-0275 Penton Publishing 1100 Superior Ave Cleveland, OH 44114 (800) 321-7003 Pergamon Press Fairview Park Elmsford, NY 10523 (914) 592-7700 **Planners** Press 1313 E. 60th St Chicago, IL 60637 (312) 955-9100 Praeger 1 Madison Ave, 11th Fl New York, NY 10010–3603 (212) 685-5300 **Prentice-Hall** Route Nine West Englewood Cliffs, NJ 07632 (201) 592-2000 Preservation Press 1785 Massachusetts Ave NW Washington, DC 20036 (202) 673-4058 **Princeton Architectural Press** 37 E. 7th Street, 2nd Fl New York, NY 10003 (800) 458-1131 **Princeton University Press** 41 William St Princeton, NJ 08540 (609) 258-4900 **Publishing Dynamics** 15 Bank St, Ste 101 Stamford, CT 06901 (203) 357-0028 **Rizzoli International** 300 Park Ave South New York, NY 10010 (212) 982-2300 WN Russell 34–60 Albertson Ave Westmont, NJ 08101 (609) 858-1057 Scarecrow Press 52 Liberty St, Box 4167 Metuchen, NJ 08840 (800) 537-7107 Victor O. Schinnerer 5028 Wisconsin Ave NW Washington, DC 20016 (202) 362-2694 Scholium International 99 Seaview Blvd Port Washington, NY 11050 (516) 484-3290 Sentinel Business Publishing 6420 Victoria Ave, Unit 8 Montreal OUE H3W 2S7 (514) 731-3523 Sheridan 145 Palisade St Dobbs Ferry, NY 10522 (914) 693-2410 Simon and Schuster 1230 Ave of the Americas New York, NY 10020 (800) 223-2336 Springer-Verlag New York 175 Fifth Ave New York, NY 10010 (800) 777-4643 St. Martin's Press 175 Fifth Ave New York, NY 10010 (800) 221-7945 Sterling Publishing Co 387 Park Ave South New York, NY 10016 (800) 367-9692

PDA Publishers

1725 E. Fountain

Sun Publishing PO Box 5588 Sante Fe, NM 87502-5588 (505) 988-2033 TAB Books 1331 Monterey Ave Blue Ridge Summit, PA 17294-0850 (800) 233-1128 **Technomic Publishing** 851 New Holland Ave, Box 3535 Lancaster, PA 17604 (717) 291-5609 Ten Speed Press PO Box 7123 Berkeley, CA 94707 (415) 845-8414 **UMI Research Press** 300 N. Zeeb Rd Ann Arbor MI 48106 (800) 521-0600 **US Glass Publications** 568 Oakwood Ave, Ste 202 Lake Forest IL 60045 (708) 295-2900 University of California Press 2120 Berkeley Way Berkeley, CA 94720 (415) 642-4247 University of Chicago Press 5801 Ellis Ave Chicago, 1L 60637 (312) 702-7899 University of North Carolina Press PO Box 2288 Chapel Hill, NC 27515-2288 (919) 966-3561 University of Texas Press PO Box 7819 Austin, TX 78713-7819 (800) 252-3206 University of Wisconsin Press 114 N. Murray St Madison, WI 53715 Van Nostrand Reinhold 115 Fifth Ave New York, NY 10003 (212) 254-3232 Volunteers in Technical Assistance 1815 N. Lynn St, Suite 200 Arlington, VA 22209 (703) 276-1800 Western States 207 Shelby St Sante Fe, NM 87501 (505) 988-1166 Whitney Library of Design Watson-Guptil Publications 1515 Broadway New York, NY 10036 (212) 764-7300 John Wiley & Sons 605 Third Ave New York, NY 10158 (212) 850-6418 DESIGN COMPETITIONS (see also Awards Programs) Association of Collegiate Schools of

Architecture (419) 537-2587 ACSA-American Wood Council Competition, deadline mid-May. Association of Student Chapters/AIA (202) 626-7472 "Housing – The Affordable Dream" Competition, deadline Dec 7, 1990. "Gateway Between U.S. and Canada" Competition, for innovative use of copper, deadline Mar 29. "Creative Uses of Sheet Metal and Photovoltaic Design" Competition, deadline May 10. **Ceramic Tile Distributors Association** (708) 655-3270 Spectrum 90: Ceramic Tile Competition. **Institute of Store Planners** (914) 332-1806 Store Design Competition, deadline Nov 3. McGraw-Edison Co (Halo Lighting Division) (312) 222-1060

Lighting Design Competition, deadline late May. National Institute for Architectural

Education (212) 924-7000 William Van Allen National Student Design Competition, Portfolio Competition, Design America Accessible Competition. Society of American Registered Architects (708) 932-4622 Student Design Competition, deadline Nov. References Architecture and Competitions (Karl Kraemer Verlag, Schulze-Delitzsch Str. 15, 7000 Stuttgart 80, Federal Republic of Germany): quarterly.

Awards, Honors and Prizes. Gita Siegman. Gale Research Co, 1988. Deadlines Design Competition Registry (HCI Box 17, Hawley, MA 01339 (413) 338-4018): 15/yr.

Design Arts Competition Directory (DACD, PO Box 1235, Cambridge, MA 02238): an-nual as of May 1991, entries still welcome. P/A Calendar: monthly.

GENERAL INFORMATION SOURCES

Associations

American Institute of Architects Library 1735 New York Ave, NW Washington, DC 20006 (202) 626-7493 Aga Khan Documentation Center MIT Bldg 10, Rm 390 77 Massachusetts Ave Cambridge, MA 02139 (617) 253-1403 Architecture and Planning Research Lab The University of Michigan College of Architecture and Urban Planning 2000 Bonisteel Blvd Ann Arbor, MI 48109-2069 (313) 764-1340 **Building and Construction Information** Exchange (BACIX) c/o Thomas Martineau AIA Productivity House, Inc 3476 Valley Creek Drive Tallahassee, FL 32312-3633 **Canadian** Centre for Architecture 1920 Baile St Montreal QUE H3H 2S6 Canada (904) 893-5665 **Community Information Exchange** 1029 Vermont Ave NW, Ste 710 Washington, DC 20005 (202) 628-2981 Comments provides information on the development of low income projects. **Engineering Societies Library** 345 East 47th St New York, NY 10017 (212) 705-7611 Library of Congress Architecture, Design and Engineering Collection Washington, DC 20540 (202) 707-6399 Comments extensive photo collection of his-toric American buildings National Building Museum Pension Bldg at Judiciary Sq NW Washington, DC 20001 (202) 272-7780 Comments an archive of American buildings. National Bureau of Standards Center for Building Technology Gaithersburg, MD 20899 (301) 975-2000 National Institute of Building Sciences 1201 L Street NW, Suite 401 Washington, D.C. 20005 (202) 289-7800 Comments provides general information on structures, building environments, and materials. National Research Council of Canada, Architecture Department Institute for **Research** in Construction Montreal Rd, Bldg M58 Ottawa ONT K1A 0R6, Canada (613) 993-9101

Comments provides publications, seminars, research, and over-the-phone information on building materials and systems.

National Technical Information Service 5285 Port Royal Rd Springfield, VA 22161 (703) 487-4600

Royal Architectural Institute of Canada 55 Murray St, Ste 300 Ottawa ONT K1N 5M3, Canada

(613) 232-7165 References

AIA Encyclopedia of Architecture, Design, Engineering, and Construction, 4 vols. Applied Mechanics Reviews (ASME, 345 E. 47th St, New York, NY 10017): monthly. Applied Science and Technology Index (H.W. Wilson Co, 950 University Ave, Bronx, NY 10452): monthly.

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der, CO 80306): annual.

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Architecture: A Bibliographic Guide to Basic Reference Works, Histories and Handbooks, D. Ehresmann. Libraries Unlimited, 1983. Avery Index to Architectural Periodicals (G.K. Hall & Co, 70 Lincoln St, Boston, MA 02111): irregular.

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ing Sciences, 1986.

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RILA (International Reperatory of the Literature of Art, c/o Clark Art Institute, South St, Williamstown, MA 01267): semiannual.

SEARCH (Search Publishing Inc, 102 Brighton Circle, Devon, PA 19333 (215) 889-0535): quarterly, with annual accumulations.

Technical Information Service (Chartered Institute of Building, Englemere, Kings Ride, Ascot, Berkshire SL5 8BJ, England): bimonthly.

Time-Saver Standards for Architectural Design Data, 6th ed, J. Callender, ed. Mc-Graw-Hill, 1982.

Time-Saver Standards for Building Types, 3rd ed, J. DeChiara. McGraw-Hill, 1990. Time-Saver Standards for Landscape, J. Harris. McGraw-Hill, 1987. Time-Saver Standards for Site Planning, J.

DeChiara. McGraw-Hill, 1984. Who Knows: A Guide to Washington Experts. Washington Researchers Publishing Co, 1986.

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Annual Information

P/A

Innovative Outdoor Lighting That Stands The Test Of Time



Booth #236, ASLA 1990 Annual Meeting, San Diego, CA

Why Specify Kim Products?

Kim has been manufacturing Landscape Lighting for over 55 years. If nothing else, experience has taught us that there's no substitute for quality materials and construction when it comes to the outdoor environment. That's why all Kim Landscape Lighting products represent a careful blend of aesthetics, performance and rugged construction.



Circle No. 537 on Reader Service Card

Landscape Elements

Outdoor lighting, fountains, tree accessories, outdoor furniture, canopies, signage, pavers, awnings, flagpoles, tree feeding systems



Fountain Systems

This comprehensive 40-page color brochure shows the many ways water can be incorporated into a design. In addition to traditional fountains, water can serve as a link between architectural elements, enhance outdoor and indoor greenery, or be combined with sculpture. **Bronzelite.** 102



Tree Feeder

Protecting trees that are surrounded by pavement, is the goal of this feeding system. This permanent durable inground root-feeding system can be adapted to meet the needs of various tree species and weather conditions. **W.A.N.E.** 103



Outdoor Lighting

The diversity of these contemporary outdoor luminaires is evident in this 120-page book. The fixtures can be used for a variety of commercial and residential applications and for gardens, parks, streets, and walks. Most products are available in several sizes to adapt to any scale project. **Bega**. 100



Outdoor Furniture

A folder contains both a fullcolor 26-page brochure of this company's tables, chairs, and benches and individual fullpage dimensioned elevations and plans of each item. This all-wood mahogany and teak furniture is designed for residential and public use. **Weatherend.** 104



Outdoor Lighting

Contemporary redwood bollards, pole, and wall-mounted fixtures are featured in this color brochure along with matching benches, planters, and other site furnishings. These incandescent and fluorescent fixtures come in a variety of styles and sizes. **WoodForm.** 101



Outdoor Lighting

A comprehensive binder filled with highly descriptive information, photos, application ideas, and technical information is available from this company. The extensive line of Modern fixtures come in several materials, including copper and aluminum, and are designed to meet all needs. **Loran**. 105 andscape Elements



Outdoor Lighting

Cast aluminum outdoor lighting, in authentic Victorian and Colonial styles, is featured in this full color 31-page catalog. Pole, wall mounted, and bollard fixtures are available in several sizes and with a choice of lanterns. Each fixture is photographed, dimensioned, and fully explained. **Sternberg.** 106



Canopy Systems

Acrylic skylight canopies and aluminum free-standing and wall-mounted walkways are featured in this catalog. Several canopy profiles are available such as pyramidal, bubble-top, and barrel-vaulted. These enclosures come in standard finishes and colors; custom finishes are available. **Mapes.** 107



Outdoor Lighting

This fold-out brochure provides an overview of this company's line of exterior fixtures. Included in the literature are brief descriptions of pole, flood, and path lights, as well as concealed lighting and bollards. More detailed information will be mailed on request. **Kim Lighting.** 108



Tree Grates

Grates of all shapes, sizes, and patterns are clearly drawn and detailed in this comprehensive guide. Grate use, however, is not limited just to trees; the colorful brochure also shows their decorative use as wall sculptures and writing surfaces. Custom work is welcomed. **Neenah.** 109



Outdoor Lighting

andscape Elements

Redwood, steel, aluminum, and bisqued and matte-glazed white clay are used to create these Modern and Post-Modern fixtures, which can be used in residential and commercial applications. The 16-page brochure provides photos of each item, application recommendations, and dimensions. Liteform. 110



Paving Stones

This catalog highlights the design possibilities of interlocking concrete pavers. These pavers are available in a large variety of shapes, patterns, and colors and may be used for residential, commercial, municipal, and industrial applications. **Concrete Paver Institute**, 114



Site Furnishings

Park furniture with tubular steel-framed benches and modular seats are featured in this well detailed catalog. Modular seats are designed for individual or row seating, linear or curved configurations, and surface or wall mounting. All the furniture is available in several colors. Kroin. 111



Signage Systems

This 24-page brochure describes an extensive line of exterior and interior signs, plaques, key chains, and other specialty items. The items are available in a variety of materials and typefaces and the text can be in English, a foreign language, or braille, with raised or engraved letters. Best. 115



Exterior Signage

Flexibility is just one feature of this company's exterior and interior signage systems. Illuminated and non-illuminated signs are available with interchangable post and panel systems, and can be base-plate or ground mounted. Design options and construction details are illustrated. Charleston. 112



Site Furnishings

Seats, tables, planters, litter receptacles, and ash urns are featured in this 20-page guide. All furniture is offered in both metal and wood, in a variety of colors, and is suitable for indoor and outdoor use. Dimensions and typical layouts are shown. LFI. 116



Outdoor Lighting

Helping to improve security around buildings and illuminating signs, this company's fixtures are able to create many dramatic effects through uplight and down-lighting. The housings are rugged and impervious to soil corrosion, fertilizers, and insecticides. Greenlee. 113



Paving Stones

This company manufactures a range of matching precast concrete products such as concrete pavers, planters, benches, and bollards. Pavers are designed as part of an integrated paving system for roof decks, pedestrian, and vehicular uses, but can also be installed directly on grade. Wausau. 117

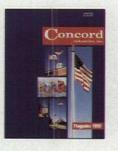
Outdoor Lighting

Pole and wall-mounted fixtures for use in parking areas, parks, residential streets, and other applications are available with baked-on enamel finishes in a choice of ten colors. The multipage brochure provides good illustrations of the fixture and its housing and also photometric tables. Spaulding. 118



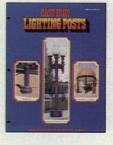
Canopy Systems

All awning needs, from systems and fabrics to both manual and powered hardware, are supplied by this company. Complete information about frame shapes and sizes, fabric characteristics, hardware types, and assembly and installation of the awning systems are clearly described and detailed. Astrup. 119



Flagpoles

Shoebase, tiltbase, and groundset-mounted flagpoles, in addition to nautical flagpoles and those with concealed halvard systems, are clearly detailed and explained in this highly informative brochure. It includes pole accessories and finishes and charts containing dimensions. Concord. 120



Lighting Posts

Cast iron pole fixtures, made to resemble fixtures from the 18th Century, are featured in this 30-page full-color brochure. Most of the posts are one-piece castings thereby eliminating nuts, bolts, and welds. The company claims that the poles are protected from vandalism. Spring City Electrical. 121

Heritage clock Four faces, 19' high, 36" diameter. Solid bronze with antique highlights, backlit faces. Location: Bank of Nova Scotia, Toronto, Ontario Interior designt Conster & Associates Interior design: Gensler & Associates CANTERBURY INTERNATIONAL P.O. Box 5730, Sherman Oaks, California 91413 Telephone 213-936-7111

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Outdoor Furniture

andscape Elements

Originally designed for an airport, this durable steel and aluminum furniture is also suitable for outdoor use. This flexible seating system allows tables to be incorporated between seats or at the end of a seat unit. A multi-page pull-out brochure provides dimensional information. **KI**. 437



Canopy Systems

This company manufactures totally integrated aluminum roll-formed canopy systems with optional skylight panels. Fascias act as both support members and as built-in gutters for roof drainage. These custom-designed canopies are used primarily for commercial applications. **Alcan.** 438



Landscape Lighting

These versatile contemporary outdoor pole luminaires allow for a variety of shape, size, mounting, color, and optical combinations. Luminaires may be used to light small areas like walkways as well as parking lots. The brochure includes a color chart and dimensional data. **McGraw-Edison.** 439



Site Furnishings

Lounges, tables, chairs, and accessories are featured in this 36-page catalog of commercial and residential outdoor furniture. The furniture is available in a large selection of styles, materials, and colors. Color chart, dimensions, specifications, and descriptions are included. **Tropitone.** 440

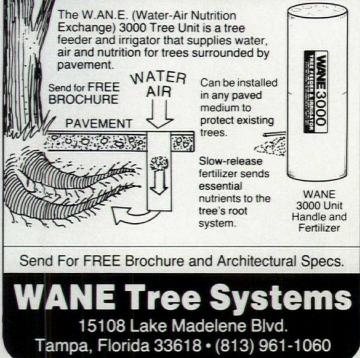


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Structures

Wood framing, metal buildings, sheathing, mortar, structural panels, expansion joints, space frames, bonding agents, concrete block, wood adhesives, fiber-reinforced cement, glulam beams, concrete



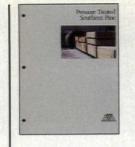
Widespan Systems

These clear-span and multispan structural systems, offering a choice of web and column types, are able to easily accommodate sprinkler and HVAC systems. Metal-panel wall systems, metal roof systems, doors, windows, gutters, roof jacks and other roof accessories can also be ordered. **Star.** 124



Panel Systems

This non-veneer fire-rated panel can be used for sheathing, flooring, lap and panel siding, and concrete forms. These easy-to-install panels come in a range of sizes and thicknesses for residential and commercial use. Construction information and details are provided in the brochure. **Louisiana-Pacific.** 125



Pressure Treated Pine

Southern pine's unique cellular structure makes it an ideal wood for pressure treatment with preservatives. This informative 15-page guide describes various applications for pressure treated wood, building tips, and finishes. It also explains grading marks. **Southern Pine Marketing Council.** 122



Mortar Color

This product is a pre-packaged dry pigment used for the integral coloring of masonry mortar. The pre-measured packaging ensures the desired color specification at the job. Colors are designed to complement, contrast, or match the adjacent brick, stone, or other masonry material. **Tamms.** 126



Sheathing

"Dens Glass", a paperless sheathing, resists weather deterioration, can be installed vertically or horizontally without loss of strength, and is resistant to rippling, buckling, and sagging. The comprehensive brochure provides a product comparison and answers application questions. **Georgia-Pacific.** 123



Wood Construction

"Gang-Lam" is a high-strength laminated lumber that can be used as beams, headers, and other building components. The company also offers lightweight joists for use in floor and roof systems. The joists resist shrinking, twisting, warping, or splitting and are made without a camber. **MiTek.** 127



Roofing Systems

Plywood-panel roofing systems, for non-residential use, can work with almost any support system and adapt to any design. Along with the many detailed explanations, property and stress tables, and construction drawings, this manual includes discussions of costs. **American Plywood Association.** 128



Building Systems

This company offers several large, clear-span building systems that maximize interior space. Single and multi-story structures can be designed with sloped or flat roofs. The 20page catalog describes and details building and roof systems and provides information on wall options. **Butler**. 129



Structural Panels

Lumber facings and polystyrene insulation have been combined to form a one-piece structural panel that can be used for wall, roof/ceiling, and floor applications. The panel is not affected by moisture or temperature changes and will not warp or twist. **AFM.** 130



Wood Framing

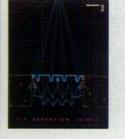
The emphasis of this extremely informative 31-page construction manual is commercial and multifamily construction, but much of the information also applies to single and two-story structures. There are many well-drawn details covering specific conditions. **Western Wood Products Association.** 131



Structures

Cementitious Additive

"Chemstar Type S", when added to mortar, reduces water penetration between the masonry units. Improved bond strength and workability are some of the benefits of adding this white limestone powder to masonry mortar, exterior plaster, and stucco. Chemstar Lime. 132



Expansion Joints

Responding to building movement caused by thermal change, sway, shear, settlement, or seismic activity is this company's specialty. Interior and exterior joints and seals are described in well-drawn details and design allowance charts are included. **C/S.** 136



Wood I-Beams

Designed to save time and labor, these wood I-Beams can be used in floor and roof systems and as window, door, and garage doorheaders. They resist shrinking and warping and provide more load bearing capacity per pound than dimensional lumber.

Georgia-Pacific. 133



Concrete Block

This English manufacturer has developed a process of combining cement, lime, sand, fuel ash, and aluminum powder to create "thermalite", a concrete building material that is light weight, high strength, and provides insulation. These blocks are light enough to be pick up with one hand. **Thermalite**. 137



Space Frames

To meet individual requirements of span, geometry, aesthetics, and structural support, six space frame systems are available each with different chord, web, and connector configurations. These systems create versatile unobstructed longspan structures. **Unistrut.** 134



Wood Adhesives

Adhesives that will adhere to wet, frozen, or treated lumber are available from this company. The resulting bonds will be non-shrinking and offer exceptional weathering resistance. The literature includes typical performance characteristics and application suggestions. **3M.** 138

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Bonding Agents

Concrete and plaster bonding agents and an acrylic admix are specifically designed to bond cementitious material to structural surfaces. The brochure fully describes these products and includes performance properties, detailed application, and specifications. **Larsen**. 135



Space Frames

This company prides itself on finding economic solutions to structural and non-structural architectural problems by utilizing steel, aluminum, and wood space frames. The frames can be preassembled on the ground and lifted in large units or erected from scaffolding. **Mero.** 139

Concrete Reinforcement

When added to a concrete mix, "Fibermesh" will increase the tensile capacity of concrete and help reduce cracking that frequently develops during the early stages of drying. Among its many features, this product can also reinforce against impact forces, shattering, and abrasion. **Fibermesh.** 140



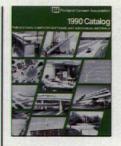
Laminated Beams

Glulam beams can be used in exposed applications or as hidden structural supports in walls, floors, and roofs. To aid in sizing simply supported beams, the catalog includes illustrations to help calculate areas, formulas to determine loads, and load tables. **Weyerhaeuser**. 141



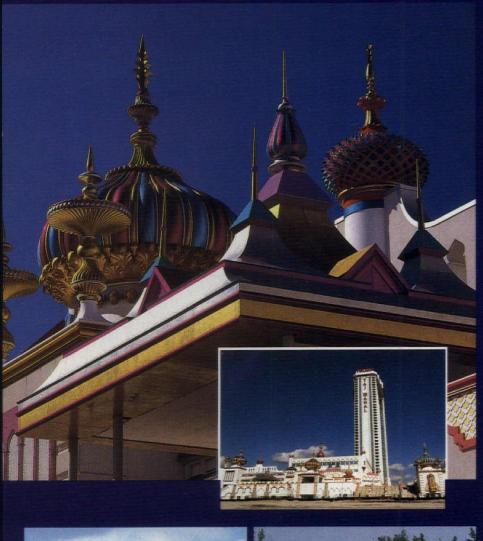
Glazed Block Systems "Spectra-Glaze" exterior and interior wall systems offer the economy of block, with the durability of a glazed surface. This system allows structures to be built and completed in one operation, with integral facings of 80 standard colors as well as custom ones.

Burns & Russell. 142



Portland Cement

This 48-page guide serves as a reference book of publications, videos, and slides dealing with Portland cement. There are countless subjects covered in these sources such as fire resistance, sealants, and formwork. None of the information is free but charge a nominal fee. **Portland Cement Association.** 143 You may never need 23,000 separate parts to complete your project, but it's a good idea to choose a company that can handle a project of this magnitude.







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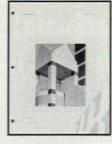
Acoustical roof and floor construction provides optimum in sound absorbing factors.

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White Cement

Whether the project requires precast or site-cast concrete, stucco, flooring, or paving, this company makes a cement mix for the job. The multi-page color catalog includes photos of finished projects, an application guide, and a guide to reference information.

Lehigh White Cement. 441



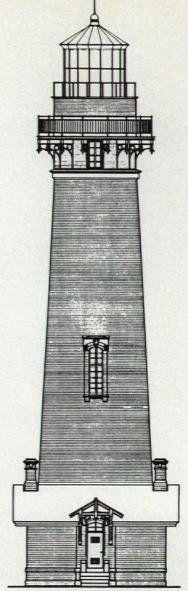
Brick

Hand- and machine-moulded brick, in standard or custom designs, come in several shades for Modern or traditional looks. Profiles, dimensions, and application ideas are included in the catalog. All bricks are shown in large-scale photos making it easy to see details and colors. **Cushwa**. 442



Concrete Texturing

This company's line of formliners for cast-in-place concrete is amply illustrated and described in this brochure. Samples of the various textures and use grades are given, along with cost information and selection criteria for the various types of liners. **Scofield**. 443



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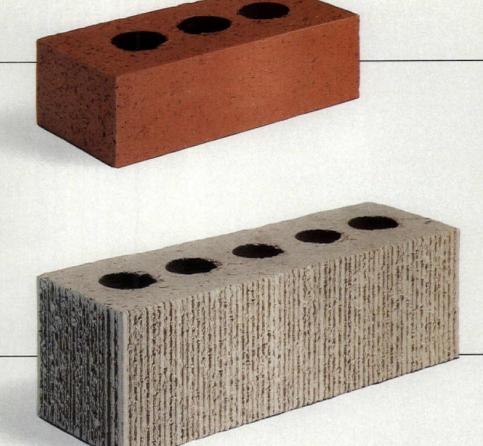
COLORS

Belden Brick is made in over 116 colors that include 2 choices in black, 28 browns, 7 tans, 8 buffs, 3 creams, 18 grays, 16 pinks, 26 reds, and 8 whites. In addition, it is made in 12 different textures, although not all our brick is made in the same range of textures. Belden also offers a choice of extruded brick or molded brick (with the character

of hand-made brick.) Each category includes a wide range of colors and textures providing more than adequate design latitude.

SIZES

Belden Brick is predominantly made in thirteen different sizes, representing the spectrum of Belden Brick colors and textures. Your design opportunities are broadened by the availability of virtually every Belden Brick color choice as pavers.





We've made hundreds of different shapes to provide special structure details, and a week seldom passes without our custommaking a new special shape to meet individual design requirements. If you need an "impossible" special shape to complement the brick structure you're planning, call Belden. We've seen the impossible become reality.

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For over 35 years, LATICRETE International has been the world leader in the manufacture of quality installation systems for ceramic tile and stone. We're so confident of the quality of our products that we are offering the unimaginable — an exclusive 5 year guarantee! No other mortar manufacturer can offer it. Our guarantee is simple — should the product fail, we will replace the installation at our expense — *labor and materials.* This even includes challenging installations on exterior facades and pools. Why take chances with your reputation and the owner's dollars?

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*Source: Building Research Bureau's Independent Architectural Survey March 1989

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Circle No. 538

Cladding and Exterior Finishes

Metal cladding, wood siding, marble, exterior insulation and finish systems, cedar shingles, porcelain panels, masonry cleaners, limestone, redwood, vinyl siding, exterior tile, crystallized glass panels, metal finishes, precast



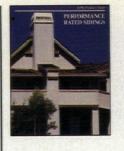
Exterior Insulation

The "energex" exterior insulation and finish system consists of four major components which provide permanent insulation, shape, and texture. Designed for new and retrofit construction, the system is light weight and can reduce dead loads and increase floor space. **Vitricon**. 146



Cedar Siding

A multi-page color brochure shows some of the possible applications for cedar siding. Standard styles as well as fancy cuts are available, and all have self-aligning groove or alignment score marks that make installation easier and reduce labor time. **Shakertown**. 147



Plywood Siding

This 22-page color brochure describes in detail the many advantages of plywood siding. Especially helpful are the large scale photos of various wood panels, showing their grain and texture. These photos provide an excellent representation of the product. **American Plywood Association**. 144



Insulation Panels

Ideal for retrofit projects, including window walls and glazing and veneer applications, these porcelain-on-aluminum panels upgrade the appearance, security, and energy efficiency of older buildings. The insulated panels are field installed without special tools. **Mapes.** 148



Marble

This brief color catalog shows the range of marble applications, from exterior use on monumental buildings andfountains to interior flooring. Recommendations are made for exterior and interior finishes and uses; a table showing properties is also provided. **Vermont Marble.** 145



Masonry Cleaners

"Sure Klean" products are designed to clean brick, concrete, and tile. The company also manufactures stain removers for specific problems such as those caused by insoluble salts, asphalt and tar, and metallic oxidation. Also available is a system which can remove efflorescence. **ProSoCo.** 149



Wood Siding

Selection of wood siding is made easier with this 11-page guide, which discusses grades, moisture content, installation, and other issues. If additional information is required, this guide provides a list of inexpensive publications and videos for purchase.

Western Wood Products. 150



Exterior Wall Systems

This fiber-reinforced cement wall system combines dimensional stability, water integrity, and fire protection to create a product that is suitable for commercial, institutional, and residential construction. A twopage color brochure describes the system and provides a wind-load table. **Eternit**. 151



Stainless Steel

This new publication presents a comprehensive overview of stainless steel and begins with a discussion of the various grades of stainless, including the nine most frequently used alloys. Shapes, sizes, finishes, as well as fabrication, and joining techniques are also discussed. **Nickel Development Institute.** 152



Indiana Limestone

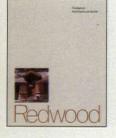
For well over 150 years this limestone has been used in private residences, retail stores, and skyscrapers. Virturally every aspect of the stone, from its application and performance characteristics to construction details are covered in several comprehensive catalogs. Indiana Limestone Institute, 153 39



Cladding and Exterior Finishes

Exterior Veneers

Porcelain enamel-on-steel is the basic material for these exterior panels. Acid proof, fire proof, and scratch and stain proof, these panels are almost maintenance free. Specifications, details, and applications are all colorfully shown in this 23-page brochure. **AllianceWall**. 154



Redwood Siding

There are many benefits to selecting redwood for exterior siding and interior paneling. Known for its weathering qualities, redwood is also naturally resistant to decay, insects, and fire. This guide to redwood defines wood grades and provides profiles. **California Redwood Association**, 158



Exterior Insulation

Protection against extreme cold, heat, and moisture penetration is provided by this versatile exterior insulation and finish system. Designed to adapt to any situation, this wall system can be curved, bent, sculpted, and finished in a variety of textures and colors. **STO**, 155



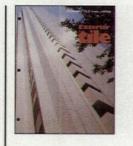
Vinyl Cladding

Each system in this company's line of vinyl siding comes complete with soffits, beaded panels, door and window surrounds, corner posts, and other components and decorative accents to create a uniform appearance. A color catalog offers application ideas and describes each style. **Wolverine.** 159



Wood Shakes and Shingles

Two very informative brochures are available on shake and shingle roofs and exterior and interior walls. Products are clearly described, and good construction details, helpful coverage and exposure tables, and useful fastener guidelines are included. **Cedar Shake & Shingle Bureau**. 156



Exterior Tile

A beautifully photographed 96-page color book, written in English and Japanese, provides ample examples of the versatility of this company's tile. In addition to the book, there is a color catalog which includes specifications and construction information and details. **Inax.** 160



Exterior Cement Board

"Durock", a lightweight cement board, can be easily attached, with nails or screws, to wood or steel-framed exteriors. Thin brick, ceramic tile, and stone aggregate set in an epoxy matrix, as well as stucco may be used as the exterior facing to create a variety of architectural treatments. **U.S. Gypsum**. 157



Glass Cladding

This four-page color brochure highlights "Neoparies", a crystallized glass that resembles granite and marble. This product, however, is more acid and alkali resistant than stone and can withstand exposure to harsh environments. The literature explains other advantages of this product. **N.E.G.** 161



Metal Finishes

This guide is packed with technical, historical, and general information on various coatings, paints, and finishes that can be applied to steel and aluminum. Three of the finishes discussed are anodic coatings, porcelains, and laminates. A list of products is also provided. **Petersen Aluminum.** 162



Insulated Wall Systems

"Senergy" is an insulated exterior wall system that combines high energy efficiency with high impact resistance. This tough, low-maintenance system is ideal for schools and shopping malls where there is high physical impact and heavy traffic. Wall colors and textures can be mixed. **Senergy.** 163



Architectural Precast

A multi-page guide is available to introduce this type of concrete, which is defined as custom-designed precast concrete units with complex shapes and varying dimensions. Much of the guide is devoted to establishing industry standards. **Architectural Precast Association.** 164



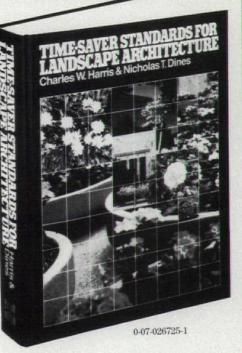
Exterior Insulation System

This exterior insulation and finish system is thoroughly explained in this brochure. A cutaway drawing shows the various layers of the the system. Detailed performance information is provided, as is a page illustrating the manufacture of the company's prefabricated panel systems. **Thermwall.** 165

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Doors, Windows, and Glazing

Wood windows and doors, plastic glazing, radiation shielding, steel windows and doors, insulating and laminated glass, hardware, skylights, industrial doors, key systems, glass block, closers, structural glazing, screens, exit devices, garage doors, interior entrance systems, aluminum windows, curtain walls



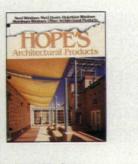
Radiation Protection

"Clear-Pb" is a shatter resistant, transparent, leaded plastic material for use in hospital and therapy units. The glazing can be fabricated into versatile modular barriers as well as large continuous window panels. Applications and specifications are included. **Nuclear Associates.** 168



Door Hardware

A complete line of interior and exterior door hardware, including keying and locking systems, are displayed in this compact 15-page catalog. All the products are pictured and fully dimensioned, with their finishes noted. An exploded axonometric is provided to help in understanding. **Russwin**. 172



Steel Windows

Long favored for their strength, durability, and low coefficient of heat transfer, steel windows can now be virtrually rust free with the application of a urethane finish. Residential, commercial, and security windows are included in this catalog. **Hope's.** 169



Wood Windows

Conventional window types are available with clad or primed frames and with the option of argon-filled glass. Retrofit applications are made easy with a "Trim Kit" that permits installation of standard-sized windows directly into existing openings. A 79-page catalog is available. **Caradco.** 166



Doors

An easy-to-follow 38-page guide explains door terminology, construction, and function and describes a variety of door types: solid, fire, specialty core, hollow core, and specialty faced doors. Comparison tables, technical data, and a list of additional publications is also provided. **Weyerhaeuser**. 170



Skylights

Pre-engineered vaulted, pyramidal, polygonal, and ridge skylights are available in a wide range of sizes. Systems can be fixed or vented with integral curb or curb-mounted units. Included in the catalog is a chart providing light and solar transmittance information. **Plasteco.** 167



Glazing

Force-resistant and bullet-resistant glass-clad polycarbonate are the two primary products of this company. This company's literature consists of individual specification sheets put together in a folder. Each sheet illustrates and describes various aspects of the glazing. Laminated Glass. 171



P/A Annual Information Sources, 1990–1991



Doors

According to the brochure, a unique construction process results in an 18-ply continuous core door that can have cutouts for panel inserts or lights and is capable of providing great durability and dimensional stability. Fire ratings and other information are also included. **TruLine.** 173

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Operable Skylights

According to the catalog, the natural heat and ventilation resulting from skylight operation will reduce energy costs. Operable and half-operable domed, barrel-vaulted, and other shaped skylights are custom made, preassembled, and factory tested.

Rollamatic Roofs. 174



Doors

In addition to carrying a very extensive line of commercial windows, doors, and skylights, custom-made products in virtually any shape and size can be specified. This thorough brochure includes product information as well as large-scale clearly drawn details. **Andersen.** 516



Steel Doors

Doors, Windows, and Glazing

Commercial steel doors and frames are subject to a battery of tests including impact, temperature, and water penetration that exceed ANSI specifications. Complete descriptions, construction features, a color chart of paint and wood-grain finishes, and other information is provided. **Steelcraft**. 175



Glass Block

The versatility of glass block is illustrated in this informative 10-page brochure. Whether installed individually or in prefabricated panels, blocks may be used for walls, skylights, or floors. The brochure includes application ideas, block types, and physical and design data. **Pittsburgh Corning**. 179



Skylights Aluminum structural skylights are available with glass, acrylic, fiberglass, and polycarbonate glazing and a choice of painted and anodized frame finishes. There also is a new thermally broken framing design. Applications are provided in this 10page brochure. Bristolite. 183



Special Purpose Doors

Intended for sound attenuation or protection from blasts, fumes, and other environmental situations, these doors are described and detailed in this 16-page catalog. Unusual requirements can be met through custom designing and personnel are available to supervise installation. **Protective Door**, 176



Windows and Doors

Storm Doors

tion. Kane. 184

Aluminum and steel doors

nations of solid panels and

come in four standard combi-

screens and in a choice of col-

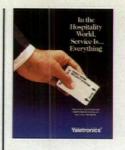
95 years of experience, can also

and enclosures to any specifica-

ors. This company, with over

manufacture screens, doors,

The unusual construction of these windows and patio doors takes advantage of the natural differences between materials. The interior surfaces are wood while the exterior is constructed of strong, weatherproof tubular aluminum. **Peachtree.** 180



Door Security

Securing a door doesn't always require a key. In this very brief brochure a computerized locking system, using plastic cards, is described. This "Guestlock" system is designed for hotel use and can accommodate up to 2,000 rooms. Each new key card invalidates the previous key. Yale. 177



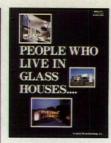
Skylights

Glass and acrylic, vented and fixed skylights are discussed in this color brochure. Some of the standard features are oneinch insulated safety glazing, double weatherstrip protection, and a moisture/warp-resistant wood curb. Optional accessories are available, including remote controls. **Thermo-Vu.** 181



Glazing System

This new structural silicone glazing system offers totally flush four-sided glazing, glass units that have more tensile strength than conventional double-sealed units. The literature includes well-drawn details and illustrates various curtain wall options. **H.H. Robertson**. 185



Sliding Doors & Windows

High performance, monumental, and multi-slide units are described in this 10-page catalog. According to the literature, this company offers the largest selection of custom sizes and the highest ratings for strength, wind loading, and water infiltration. **Arcadia.** 178



Door Controls

This company's product line includes surface-applied, over head, concealed, and floor-concealed hydraulic door closers and a complete line of electromagnetically controlled fire and life safety door closers. Accessories for tempered glass doors and entrances are also available. **Dorma.** 182



Windows

A wide range of window styles and sizes for residential use are featured in the literature. Each window has a pre-finished aluminum exterior, wood interior, and true insulated glass. Windows may be designed in a variety of combinations and the literature illustrates application ideas. **Eagle.** 186 Introducing the only roof windows and skylights with the one word guarantee.

VELUX.

11

At VELUX, our guarantee is a little different. See, we guarantee it will rain. The wind will blow. It will thunder and lightning. It will snow. And it will be 120 degrees in the shade. However, we also guarantee that we'll be around to see it all too. Trouble free.

That's what has made VELUX the world leader for the past

fifty years. Because, installed properly, the VELUX roof window or skylight will be the only one you will ever put in.

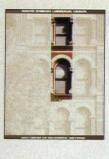
See, we don't just stand behind our windows, we guarantee your satisfaction. No ifs, ands, buts or call backs. And that's the only guarantee you'll ever need.



L

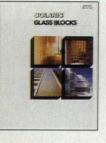
brochure, "The and Skylights", in my area with	e my free 28 page full color e Complete Guide to Roof Y a price list, and a list of dea nin 24 hours. have a VELUX representative c	lers
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Commercial Windows

This catalog surveys windows for commercial applications. Color photographs of woodclad, tilt-turn, double hungs, and gliding windows, among others, are provided. The performance and design of these windows is explained, and energy data and options are also given. **Marvin Windows**. 187



Glass Block

Various types of glass block and its applications are well illustrated in this color brochure. A good description of curved walls is given, including a typical play layout and a discussion of expansion joints. Details are clear, with expansion joints and sealants noted. **Solaris.** 191



Skylights

Atria, two-story entrances, and walkways are some of the applications shown in this multipage color brochure. Ridge, sill, and purlin details are also included as well as general specifications. All skylight systems are shipped from the factory ready for installation. **Skytech**, 188



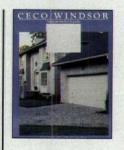
Skylights

The unique roof-mounting system of these residential skylights allows for a narrower frame and thus more daylight. Four skylight models are available to meet specific needs. Good product descriptions, illustrations, details, and other information are provided in this color catalog. **Wasco**. 192



Entrances

Oak entrances are available in four styles and feature solid raised panels and a variety of decorative glazing treatments. Prehung and ready to install, all entrances offer energy-efficient frames, anodized thresholds, adjustable oak caps, and foam core weatherstripping. **Georgia-Pacific.** 189



Garage Doors

These steel garage doors are available with raised panels, panels with patterns, and inset glass and are finished to look like wood. The short, four-page brochure highlights important features and provides installation drawings. **Ceco/Windsor.** 193



Exit Devices

Manual and electric push bar exit devices, as well as electric lock actuators, are described in this 11-page catalog. Locking systems, components, and installation methods are fully explained to facilitate selection and product use. Adams Rite. 190



Glazing Products

Interior and exterior glass in a variety of colors are shown in this brochure. The glass can be coated with a transparent metal film to give special lighting effects or can be designed to reproduce the color and texture of stone. Application and specifications are provided. **Asahi Glass.** 194



Door Hardware Residential and commercial security deadbolt and locks are some of the locking systems featured in this 32-page catalog. Padlocks, cabinet locks, and other locking devices and accessories are also listed. Each item is pictured, described, dimensioned, and specified. **Schlage**. 195



Custom Doors

This company specializes in stainless steel custom doors and entrances for commercial applications. The brochure introduces a new economical stick system that is pre-engineered and delivered to the site ready to erect. Design ideas and information on corner guards are also included. **Dawson**. 196



Solariums

Two-story and patio enclosures are among the several applications shown in this multi-page color brochure. Over 15 different glass types are offered, and a performance chart is provided to help select the ideal glazing. A color brochure provides design ideas. **Patio Enclosures.** 197



Doors

A folder of beautifully illustrated, intricately designed glass and mahogany wood doors, in standard sizes, is available. Architectural glass panels can also be adapted for use in metal doors. Custom designs, special sizes, sidelights, and other millwork may be commissioned. **Gayoso Glassworks**. 198

Doors, Windows, and Glazing

Performance beautifully expressed.

Adams Rite Series 3000 exit devices meet stringent fire codes, and do it with imagination and flair. Their performance is expressed in crisp, clean lines. And, they are available with equally sleek exterior trim.

Full-width push bars provide ease of actuation plus the security you would expect from the originator of the M.S.® Maximum Security Deadlock.

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Skylights

Doors, Windows, and Glazing

Tempered low E argon-filled glass is standard in every window produced by this company. According to this brochure, the naturally occurring gas provides twice the energy efficiency of conventional insulated glass. The 11-page brochure contains details and specifications. **Roto Frank of America.** 199



Industrial Doors

This manufacturer of cold-storage doors has expanded its line to include industrial doors such as electric sliding, folding, and manual vertical lift types. Each door type is fully described with details and dimensions. **Aluma Shield.** 203



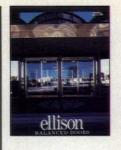
Aluminum Windows

Standard and custom windows, with or without glazing, are used in a variety of commercial applications and all meet or exceed the Architectural Aluminum Manufacturers Association's specifications. One of the standard series offers a thermal barrier of poured polyurethane. **Custom Window**. 200



Revolving Doors

Manual, automatic, and security revolving doors are available in the conventional round form, as well as in segmented and large diameter designs. Canopies are available, incorporating signage and lights. All products are described, illustrated, detailed, and sized in this 11-page brochure. **Horton.** 204



Balanced Doors

Stainless steel, bronze, and aluminum doors, along with information on accessories, options, and a barrier-free entrance, are featured in this 15-page color catalog. They are designed to minimize or eliminate problems associated with conventionally hinged doors. **Ellison**. 201



Glass Walls

This structural glass system can be custom designed to accommodate unique configurations, slopes, and curves. The maximum single-span height is 50 feet, but with intermediate attachments, the span can be much greater. A brochure provides color photos and details. **W&W Glass.** 205



Door Hardware

Damaged doors and new doors can be reinforced with security door and frame reinforcement hardware. According to the detailed catalog, reinforcement will more than double the door strength, making the door and frame as strong as the lock. Hardware includes door edge guards and strikes. **M.A.G.** 202



Doors

European designs inspired these wood doors, with their leaded, beveled, or hand-cut glass. The glass pattern can be simple or an intricate Art Nouveau and Art Deco design. This well-illustrated catalog of unique doors includes complete, but not detailed, product information. **Simpson**. 206



Insulating Glass Different types of glass are capable of responding to specific environmental and aesthetic needs. The informative 12-page brochure includes insulation and condensation comparisons and a sound-transmissions table. Southwall Technologies. 207



Wood Doors

This 8-page brochure shows the variety of styles produced from this manufacturer of wood doors. French doors, raised panel doors, and brasscame doors are the three types illustrated. More detailed information is available from the company upon request. **Karona**. 208



Aluminum Windows

Standard window types, replacement systems, and window walls are described in this 15page catalog. Windows are available in commercial and heavy commercial grades and in a wide range of finishes and colors. Performance information is also provided. **Modu-Line Windows.** 209



Glass Walls

Three curtain wall systems are available, one for low rise or slab-to-slab construction, the for low to medium rise structures, and the last for areas requiring sloped glazing by itself or in conjunction with a vertical curtain wall. Details are provided in a seven-page brochure. **Tubelite**. 210

One way or another...



Brite Vue is the best way in!

Brite Vue Swinging Doors, Revolving Doors and Column Covers form a grand entrance

Swinging doors or revolving doors...if they are Brite Vue they are meticulously engineered, built of the finest materials and are highly adaptable to creative architectural design.

REVOLVING DOORS. Brite Vue revolving doors create luxurious appearing entrances and deliver smooth, efficient performance year after year. Available in 3 or 4 wing models. Door wings and enclosures are provided in aluminum, stainless steel and architectural bronze or brass. Doors are of tempered glass. Enclosures are of curved annealed or laminated glass. Speed control mechanism is mounted in overhead canopy or in the floor.

SWINGING DOORS.

Having no vertical frame members, Brite Vue tempered glass entry doors, as shown here, provide nearly total vision areas. Rails are furnished in all popular architectural metals and finishes. Brite Vue swinging, balanced, bottom rolling and top-hung stacking doors using continuous and/or corner rails are ideal for interior or exterior applications. Full framed doors are also available.



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Impact-Resistant Doors

Two informative brochures describe door types that can withstand blasts or heavy pressure, that are bullet resistant, and that can shield against radiation. Also included is information on safes, vaults, and security gates. Door selection tables are provided as well as descriptive information. **Overly**. 211



Glazing Systems

Any glazing configuration or application is made possible with these aluminum overhead and vertical systems. Most of the systems are either mechanically assembled or welded and shipped in preassembled sections. A 19-page guide offers large-scale well-drawn construction details. **Regal**. 215



Door Pulls

Available in a variety of aluminum, bronze, brass, and stainless steel finishes, these heavy duty tubular pulls come in standard and custom sizes and designs. A brief four-page leaflet pictures and describes straight, spherical, offset pulls and push/ pull bars. **Hiawatha**. 212

This guide to roof glazing gives

application ideas and complete

details for selecting and install-

ing these glazing systems. Two

windows that pivot for easy

cleaning and stationary sky-

basic systems are available: roof



Commercial Windows

This company's expanded product line now includes casement and projected commercially rated windows. Windows are factory fabricated in both thermal and non-thermal designs; painted finishes are standard. A complete line of accessory mullions, perimeters, and trims is available. **Kawneer**, 213



Radiation Protection

Curved or flat x-ray shielding glass is available in the industry's largest sizes. The glass has high light transmittance and its surface is not easily scratched. Other product uses, specifications, comparative technical data, and design applications are discussed.

Technical Glass Products. 217



Raised Panel Doors

This brochure gives detailed information on this company's line of raised panel doors. The doors have low density hardwood cores and veneered particle board panels. Product features, specifications, dimensions, and details are among the items included. **Algoma Hardwoods.** 214



Wood Doors

Oak, walnut, teak, and mahogany are some of the woods used for these hardwood laminated doors. The unique production system ensures that every door is monitored from start to finish for flaws and imperfections. Doors of all descriptions are available. **Eggers.** 218



Aluminum Windows

Resistance to water and air infiltration, sound attenuation, and thermal efficiencies are important aspects of these aluminum commericial, institutional, and retrofit windows. To ensure that specifications have been met, on-site testing is performed for each project. **DeVac.** 219



lights. Velux 216

Windows

Skylights

Aluminum-clad and all-wood windows are fully described and detailed in this catalog. Double hung and casements are available in studio, picture, bays, and bow styles, and custom designs are welcomed. Patio doors are also available and come assembled and weatherstripped. Louisiana-Pacific. 220



Sunrooms

Double glazing, special sealants, heavy duty tubular framing, and other features make these prefabricated sunrooms weather tight and durable for commercial and residential applications. "Kleertek" is a new glazing system for curved and straight eave units. **Sunbilt**. 221



Door & Windows

Residential doors and windows are featured in this easy-to-use indexed binder. There are 63 different door models with 32 glazing options available and clearly-rendered drawings illustrate applications. Although no technical data is provided, there are pages of full-scale dimensioned details. **Tischler**. 222

Doors, Windows, and Glazing

Own The Skyline.

Someday soon, against a crowded urban skyline, a new building will stand alone like an island. It will have a glass surface with the color and clarity of a tropical lagoon. It will be made of *Azurlite* "glass from PPG. This new aquamarine-tinted float glass allows the designer to realize all the openness, aesthetics and efficiencies of daylighting with 72% light transmission. Yet, through solar heat gain management, it delivers the coolness and comfort of a 0.61 shading coefficient for 6mm glass. To personally experience the effect of this fabulous new product, we'd be glad to reveal the location of the above island. Or, you may opt for a free *Azurlite* glass sample by calling 1-800-2-GET-PPG.

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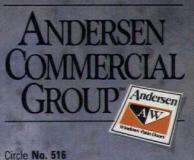
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Glass Entrances

Doors, Windows, and Glazing

This company's line of glass entrance doors is detailed in this 8-page brochure. It offers descriptions of both framed and frameless doors, illustrations of the various door styles, and framing dimensions. There also is a description of the necessary hardware and clearances. Brite Vue. 444



Door Handles

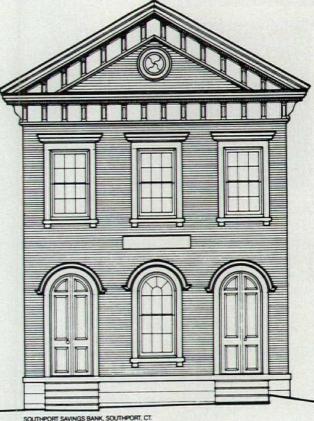
The many commercial door handles made by this company are illustrated in the 4-color catalog. Each handle is shown in its various finishes next to a drawing giving the handle's dimensions and order number. An easy-to-use index facilitates selection of the appropriate handle. Elmes. 445

PRESERVATION PLAN ON IT

Planning on restoring a house, saving a landmark, reviving your neighborhood?

No matter what your plans, gain a wealth of experience and help preserve our historic and architectural heritage. Join the National Trust for Historic Preservation and support preservation efforts in your community.

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ELIASON & Easy Swing DOUBLE ACTION PARTITION DOORS





TAIL I I AT



LISTED IN SWEETS CATALOG



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- SUPERMARKETS
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Eliason Easy Swing doors utilize gravity and offset pivots to facilitate a safe, gentle swinging action. Just a light nudge opens the door and the closing action is positive and automatic. No springs, no cam castings, no mechanical devices to fail. Doors can be specified in a variety of lightweight tempered aluminum, rigid polymer core, solid core or foam insulated models. Impact doors for use in light, medium or heavy traffic doorways. Many decor options and sizes.

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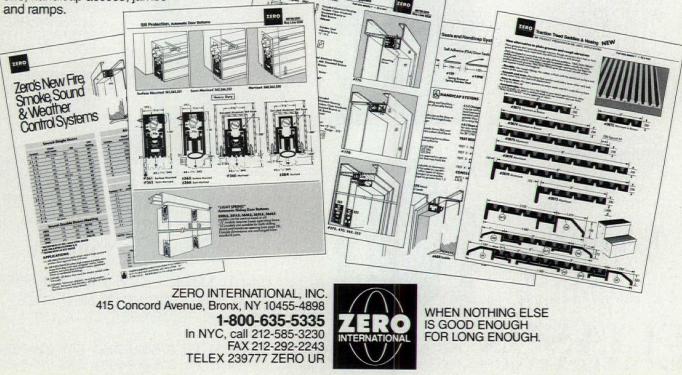
For 65 years, ZERO has been the industry standard. 1990 will be no exception.

To specify the highest quality sealing systems, just say "ZERO." More than 60% of all architects do. Zero pioneered the system concept, and delivers on a tradition of constant innovation, construction integrity and design excellence.

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56

Thermal and Moisture Protection

Insulation, waterproofing, roof pavers and accessories, metal insulation, sealants and adhesives, domes, single-ply roofing, asphalt shingles, cement tiles, weatherstripping and thresholds, tile backing, fireproofing, flashing and copings, grout



Paver System

"Pave-El", a pedestal paver system, elevates the precast concrete, stone, or other paving to allow for drainage between pavers and the structure below. This four-page spec sheet provides installation drawings in addition to other technical data. **Envirospec.** 225



Domes

Geodesic and aluminum domes manufactured by this company are said to use less material and labor than conventional construction and to lower building cost and construction time. The all-aluminum construction results in a lighter structure that will not rust or spall. **Temcor.** 229



Waterproofing

Sheet membranes for waterproofing below grade and liquid membranes for use on structural concrete above and below grade, along with sealers and water repellents, are described in this four-page leaflet. Application of these surfaceapplied systems is also shown. **Pecora.** 226



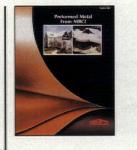
Commercial Insulation

A full line of insulation products, including batts, blankets, and semi-rigid boards, are designed for thermal and acoustical control in retrofit and new commercial construction. Clearly drawn diagrams, dimensional data, specifications, and code information, are provided. **Manville**. 230



Roof Insulation

"ACFoam" products are made of polyisocyanurate foam that can be laminated to white glass fiber, black glass fiber reinforced felt, or foil facers. Tapered products are available to create positive drainage. All products are described and illustrated in a color catalog. Atlas. 223



Preformed Metal

Fire Sealant

Tremco. 231

Preformed metals for use on roofs, walls, mansards, and soffits are discussed in this 15page color brochure. The metals come in ten different profiles. Applications of each, along with dimensions, details, and information on fasteners are provided. **MBCI**. 227

"Fyre-Shield" is a high temper-

ature smoke and fire resistant

shield, designed to seal around

penetrations in fire-rated walls

and floors. This spec sheet con-

tains performance standards

as well as other information.

and limitations of the product



Metal Roof/Wall Systems

This company offers 17 standard roofing and siding profiles including a tilelike metal roof. Their catalog includes construction details, charts of physical properties, and uniform loads. Color photos show roofing and siding applications. **Metal Sales**, 224



Sealants

A variety of sealants have been developed to meet different construction needs. Some sealants are mildew resistant; others allow for joint movement or are UV and weather resistant. Performance properties of each sealant are provided in the literature as well as information on applications. **GE**. 228

HEY'DI Cementitious Waterproofing Preventations Testing Preventations Constructions Co

Waterproofing

This unique crystallized cementitious waterproofing process can be brushed or spray applied from either the inside or outside of a foundation wall. It also can be applied between horizontal structural slabs and toppings. It is available in gray or white and special colors can be ordered. **Tamms.** 232 57



Commercial Insulation

Fiberglass batts and blankets for walls and ceilings, foil insulation, and panel insulation are clearly described and illustrated in this 13-page brochure. Product benefits, insulation design information, design considerations, and installation are some of the topics covered. **CertainTeed**. 233



Grout

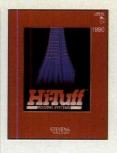
Tile grouts are designed to complement ceramic tile, to permanently secure it in place, and to protect it from damage caused by water infiltration. According to the brochure, grouts made from this white cement will result in low maintenance projects.

Lehigh Portland Cement. 237



Roofing Membrane

This lightweight reinforced Hypalon-based membrane is resistant to flame spread, pollutants, and abrasion and reflects nearly 80 percent of the sun's radiation, which can result in reduced cooling costs. The brief brochure shows installation photos. **Carlisle**. 241



Roofing Systems

Several mechanically attached roofing systems are manufactured by this company, including a single-ply Hypalon membrane and paver systems. All are described and detailed in this 15-page catalog. A table of selection criteria and physical properties is helpful. JPS Elastomerics. 234



Insulation

A 12-page brochure describes the full line of extruded polystyrene board insulation products available for residential and commercial use. Products are designed for foundations, slab-on-grade, crawl spaces, and other applications. Included in the literature are application photos. **Amoco.** 238



Membrane Roof System

The manufacturer of this system claims that it is the only one-piece membrane panel system available. Prefabricated panels, with foamed-in-place polyurethane insulation and a PVC membrane, are heat welded, panel to panel, allowing for weather tightness and expansion. Aluma Shield. 242



Laminated Shingles

This catalog serves as a selection guide to roofing shingles. These shingles can be used in virtually any application and installed over standard roof deck constructions. The laminated shingle resists cracking, splitting, warping, and shrinking. **GS Roofing.** 235



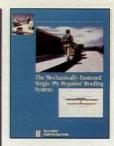
Waterproofing

This system is designed to provide waterproofing protection for below-grade applications. A high strength membrane, wall primer, liquid membrane for hard-to-reach places, and sealant comprise this system. A brief leaflet describes materials, application process, and specifications. **Mirafi**. 239



Seals

This catalog describes seals that stop smoke, fire, and sound penetration; thresholds that are skid resistant and handicapped accessible, and weatherstripping that prevents air infiltration. Test data, specifications, and detail drawings are included in the comprehensive 31-page catalog. **Pemko**. 243



Single-Ply Roofing

This mechanically fastened single-ply roofing material is heat seamed for long open spans and specially welded around vents, exhausts, and roof hatches. The membrane is wind, fire, and tear resistant and comes in a variety of colors. A color brochure describes applications. **Burkeline**. 236



Seals

A detailed 32-page catalog offers a full line of air, fire, smoke, and sound control products for doors and windows in addition to handicapped accessible thresholds. The newly developed sound control systems provide the highest STC values available. **Zero International.** 240



Roof Insulation

This insulation contains rigid foam cores, bonded to a variety of facings including nailable surfaces, for specific commercial applications. The insulation can be used with built-up roofing, modified bitumen, or single-ply membranes. A tapered system is also available for positive draining. **RMAX.** 244

Thermal and Moisture Protection



Weatherproof

Paper

For Your Roof:

When you specify the Hickman 15-Year Umbrella Warranty, we guarantee that Hickman Permasnap, Econosnap, Terminedge, or Safeguard systems, in standard sizes and configurations, when installed according to our instructions, will not blow off, leak, or cause membrane failure, even in wind conditions up to 110 miles per hour, or we will repair or replace the materials. No other warranties are expressed or implied.

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"Dens-Shield" panels are comparable in weight to conventional gypsum board and weigh one-third less than cement board. Panels are virtually unaffected by water or moisture vapor, may be installed in either direction, and do not require any special tools or fasteners. **Georgia-Pacific.** 245



Waterproofing

This heavy duty cold-applied waterproof membrane is designed for use directly under thinset ceramic tile, pavers, and other floorings. It may be used in residential applications or in heavy traffic areas. The literature includes information on assembly, installation, and limitations. Laticrete. 249



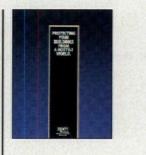
Grouting

An easy-to-use indexed reference binder is available for selecting dry set mortars and grouts for ceramic tile, pavers, marble, and stone installations. Each product is fully described, and technical data, color options, and much more are included. **C-Cure Chemical**. 253



Sealants

This company manufactures a range of sealants, adhesives, and caulking products. The literature describes surface preparation, application methods, and clean-up procedures, along with performance characteristics and specifications. An easy-to-follow chart is also provided. **DAP**. 246



Protective Membranes

This full-color, 8-page brochure describes several waterproof coatings and single-ply membranes for use on built-up roofs and concrete, masonry, stucco, and brick walls. Each system is described and the brochure also features products for preventive maintenance. **Republic Powdered Metals.** 250

Metal Roof & Wall Systems

A 32-page color brochure

connections and can be

shape. AEP-Span. 254

adjusted to any surface or

clearly describes and details

snap-seam, batten, and stand-

ing-seam roof systems, and also

several wall panel systems. The

wall framing systems use simple



Protective Coatings

Lightweight and seamless elastomeric membranes have been developed to waterproof and protect decks and other highly trafficked areas. Systems are designed to repel vehicular fluids such as gasoline and prevent concrete deterioration. A short brochure provides specifications. **Polymer Plastics**. 247



Rigid Insulation

Polystyrene foam insulation, extruded into panels, develops a continuous surface and closed-cell core. According to the literature, this uniform structure provides high insulating values, excellent moisture resistance, and a range of compressive strengths. **UC Industries.** 251



Waterproofing

Among the products covered in this easy-to-use reference binder are penetrating sealers, fluid-applied roofing, and water-containment products. For each product a Spec-Data sheet is provided with applications, technical data, and much more. **3M.** 255



Fireproofing

Structural fireproofing, with ratings of up to four hours, can be achieved for new construction and retrofit, with these two spray applied products. These products are also highly effective thermal insulators and can provide supplemental acoustical control. **Isolatek**. 248



Roofing Products

Parapet copings and reglets; perimeter fascia for built-up, single-ply, and modified roofs; and roof drains are all designed to keep water away from the structure. These products come in a choice of standard colors and finishes. The 12page brochure provides clear drawings. **WP Hickman**. 252



Metal Roofing

This 13-page color brochure describes two metal roofing systems: structural standing seam and roofing panel and siding. Applications, details, color selection chart, and some technical information are provided. More complete information is available upon request. **Merchant & Evans.** 256



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No CFC's, HCFC's No Formaldehyde No Thermal Drift UL, FM, Code Listed 20 Year R Value Warranty Non Corrosive, Non Friable Independently QC Certified Proven System Compatibility

AFM, the name brand in Expanded Polystyrene, EPS. We manufacture Contour Taper Tile and Perform roof insulations; WSG for interior and exterior wall systems; R-Control structural insulated building panels; and Fabri-tech EPS architectural shapes and void fillers. 34 manufacturers nationwide. If you specify insulations, call or write AFM for complete information.



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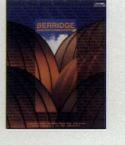
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Metal Systems

Thermal and Moisture Protection

This company is in the business of fabricating metal roofing and siding panels for all types of industrial, commercial, and institutional buildings. The systems are available in a variety of metals, profiles, finishes, and colors. The catalog describes the systems and provides technical data. **Steelite**. 257



Retrofit Roofing

This retrofit metal roofing system is designed to be used over existing sloped or flat built up roofs and comes in a variety of standard profiles and colors. Eave, ridge, and section details are included in the catalog along with a table of section properties. **Berridge**. 261



Cement Panel

Manufactured in Canada, these fiber-reinforced cement building panels have been developed for a wide range of interior and exterior applications. These boards are chemical resistant, have a high strength to weight ratio, and are dimensionally stable. **Supradur.** 258



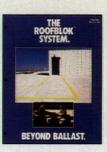
Roof Systems

This supplier of metal wall and roof-panel systems has put out a 24-page color catalog explaining its products, some of which can be applied vertically or horizontally. Included are application ideas, wind load and span charts, and other technical information. **E.G. Smith**. 259



Metal Cladding

"Una-Clad" is available in steel, aluminum, copper, stainless steel, and other materials and can be fabricated into column covers as well as roofing systems and details. The color brochure describes the products' various applications, installations, life expectancies, and maintenance. **Una-Clad**. 263



Roof Systems

This ballast paver system can be installed over virtually any single ply roof. According to the literature, the paver system has met the challenge of preventing wind uplift, protecting against membrane puncture, providing fire resistance, and offering a walkable surface. **Roofblok.** 260



Clay Tile Roofs

Very complete and detailed information is provided by this company. The color brochure shows the array of colors, patterns, and finishes available. The technical bulletin covers construction from tools and supplies to nailing instructions. **Ludowici-Celadon**. 264



Roof Systems Metal standing-seam and batten-seam panels, along with other systems are described in this color brochure. Each system is illustrated and applications are recommended. Technical data concerning snow loads, dimensions, and installation are also included. Fashion. 265



Asphalt Shingle.

Class A- and C- fire rated shin-

commercial use, are highlighted

in a 20-page color catalog. The

high manufacturing standards

sional tolerance than others in

gles, for residential and light

company prides itself on its

and claims a smaller dimen-

the industry. CertainTeed. 262

Asphalt Shingles

The range of asphalt shingles made by this company are illustrated in this brochure. Photos of installations and of the various shingle colors are provided, along with a shingle selection guide that includes dimensional data, warranties, fire ratings, and detail drawings. **GAF.** 266



Roofing Systems

These metal roofing panels are suited for a wide variety of applications in residential and commercial construction and are designed to be applied over solid wood or metal decking. A 20-page catalog provides application ideas as well as technical data and construction details. **ECI**. 267



Waterproofing

A new bituthene waterproofing system replaces solvent-based primers with water-based surface conditioners designed to meet OSHA and Volatile Organic Compounds regulations. This virtually odorless, nonflammable waterproofing can be applied above-grade and below. **WR Grace**. 268



Single Ply Roofing

Contained in a folder is a package of information on single ply roofing. There is an historical overview of the market, a company profile and fact sheet, and product profiles. The latter provide information on cost, installation, dimensions, chemical resistance, fire rating, and weathering. Cooley. 446



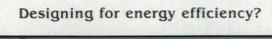
Roof Walkway Systems

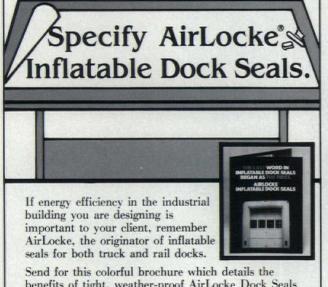
Roofs can be protected from damage by foot traffic with this walkway system. Designed to go on any roof, this system can be factory or site assembled. No special tools are required for assembly and the roof is not penetrated during installation. Unistrut. 447



Waterproof Linings

"Delifol", a high strength pliable polyester watertight sheeting, has a multitude of applications ranging from water tank and pool linings to structure waterproofing. According to the brochure, this product is quick, easy, and economical to install. Recreonics. 448





benefits of tight, weather-proof AirLocke Dock Seals for containing heated or conditioned air. Choose from among the styles illustrated for the best installation

for your client. Call or write:

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The patented system for turning a plain roof into a pedestrian plaza. PAVE-EL reliably protects both roof and paver stone, both membrane and insulation



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Interior Finishes

Tile, partition systems, cast marble, sports flooring, mouldings, vinyl and rubber flooring, paint, floor underlayment, entrance mats, metal mesh, acoustical ceilings, metal ceilings, marble flooring, interior finish systems, carpet, laminates, wall coverings, wood flooring, colored stainless steel, column covers, spray-on finishes



Ceramic Tile

Twenty six different ceramic tile patterns are featured in this multi-page spiral-bound guide to floor and wall tiles. Tiles are clearly shown in the full-color photographs. Color charts, specifications, dimensions, and product characteristics are provided for each tile. **Laufen**. 269



Partitions

Fully glazed, partly glazed, or solid systems are available in a variety of finishes and fabrics. Since the manufacturer believes flexibility is essential, accessories such as chalkboards can be easily integrated into the systems. Details and elevations are clearly drawn. **Dowcraft**. 270



Floor Tiles and Wall Panels

This four-page color leaflet illustrates the patterns and colors of these polished and honed cast-marble tiles that can be used in both floor and wall applications. Descriptions, specifications, and technical, installation, and maintenance data are also included. **ArmStar.** 271



Ceramic Tile

This new full-color 60-page catalog is a reference guide for the selection of ceramic tile. Installation photos, specifications, applications, sizes, colors, and trim information are provided for each product. **Dal-Tile**. 272



Sports Courts

This company manufactures and installs basketball floors and sports courts for racquetball, handball, and squash. In addition to flooring, this company also supplies ceiling, lighting, and door systems, as well as other accessories. **Robbins.** 273



Mouldings

These decorative trims are made from a high-density polyurethane that makes them lightweight, durable, and easyto-install. The 15-page color catalog provides complete information on ceiling medallions, mouldings, and other trims, including illustrations. **Outwater Plastic.** 274



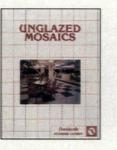
Resilient Floors

This diverse line of commercial products includes inlaid sheet vinyl, rubber and vinyl tiles, and specialty products. A 32page catalog details each product and provides an easy-tofollow application chart covering eight major categories. Other company literature is discussed. **Tarkett.** 275



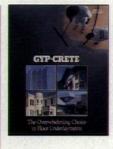
Paint System

"ColorAnswers" system offers a simple way of comparing and specifying paint colors. A fan deck is used as a key to a boxed set of color samples, each of which has the light reflectance value of the color printed on its back. Larger samples are available upon request. Sherwin Williams. 276



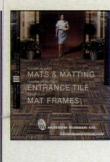
Interior Tiles

Several brochures explaining quarry, ceramic, porcelain, and unglazed mosaic tiles are available from this company. Applications of each tile, color selections, and dimensions and technical information covering slip-resistance, tile surfaces, and maintenance are provided. Florida Tile. 277



Underlayment

Five gypsum and portland cement underlayment floors are available to meet particular residential and commercial construction needs, such as correcting a damaged floor or enclosing a radiant floor. Each floor provides sound control, fire resistance, and high strength. **Gyp-Crete.** 278



Mats and Matting

Rubber and vinyl entrance mats and floor mattings for commercial use are described in this eight-page booklet. Mats can be recessed into aluminum frames or surface-laid and can be custom designed to include a logo. Details, colors, and specifications are included in the literature. **Musson.** 279



Resilient Floor

This company specializes in solid vinyl floor tile, static-control flooring, bases, and sheet vinyl for commercial applications. Several color brochures are available covering the different product lines. Each one includes color photos, dimensions, specifications, and technical data. **VPI**. 283



Architectural Mesh

Brass and stainless steel are woven into panels for walls or any high contact area like elevator cabs. The mesh comes in a variety of textures, patterns, and finishes. Virtually scratch, dent and corrosion resistant, the mesh requires a minimum of maintenance. **Cambridge Architectural Mesh.** 280



Ceiling Panels

Ornamental ceiling panels are offered in eight different patterns from Victorian to Art Deco and in a variety of sizes. The panels may be used in either lay-in suspended grid ceilings or nail-up applications for ceilings or walls. A two-page leaflet provides information on patterns. **Chicago Metallic**. 284



Wall Systems

"SystemsWall" is a movable demountable wall system designed to allow quick and efficient changes within the office. Create totally new configurations or just remove and replace individual panels without disturbing adjacent ones. The color brochure provides diagrams of panel combinations. **KI**. 281



Movable Partitions

This company specializes in movable office partitions, with glass or solid panels, for newly constructed or existing spaces. Both floor to ceiling and open office interior systems are available. The systems and installation procedures are clearly described in the brochure. **Trendway**. 285



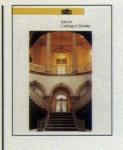
Acoustical Ceilings

A 20-page color brochure illustrates and describes eight different textured acoustical ceilings, all with UL Class A fire ratings, and shows possible applications. Technical data covers edge details, color availability, grid compatibility, and acoustical performance. **Armstrong.** 282



Marble Tiles

Color photographs and dimensions of patterned marble tiles are presented in this 36-page catalog. The accompanying text is provided in English and Italian, as is the technical data, which explains repairs, packaging, and maintenance procedures. **BiMarmi**. 286



Protective Wall Coatings For use in high traffic areas, these acrylic wall coatings create durable seamless surfaces. Coatings are applied with trowel, spray, roller, or brush. There are over 350 colors to select from and a wide array of textures and patterns. A color catalog shows applications and a variety of textures. **ST0**. 287



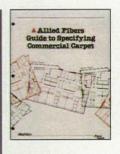
Unglazed Tile

This eight-page brochure describes the "Quantum II Stain Shield," a naturally fired ceramic that is stain-resistant and can be used in high trafficked areas such as airports and malls. Maintenance and installation recommendations, color charts, and technical data are included. **Buchtal**. 288



Mats and Gratings

The self-cleaning carpet, vinyl, and aluminum treads, recessed in these grates and roll up mats, are an effective way of removing dirt from shoes and preventing slippery floors. The two-page leaflet provides product descriptions, specifications, and details. **J.L. Industries.** 289



Commercial Carpet

This is an easy-to-understand guide to selecting commercial carpets. It provides an overview of the specification process from selecting an installation contractor, to subfloor preparation, to clean up. Also included is a sample specification and installation worksheet and a glossary. **Allied Fibers.** 290

nterior Finishes

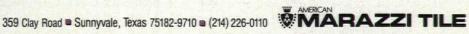
The first floor tile that warrants a 10 or 15 year warranty.





Finally there's a floor covering product that's especially made for today, the 90's and beyond. A floor covering product that can take the constant pounding and grinding of daily wear, yet continue to clean as easily as the first day it was installed. It's a ceramic tile called Marazzi Enduro® and it carries a 10 year limited warranty on its "Gloss" and "Ocean" series, and a 15 year limited warranty on its "Matt" series, for both wear and cleanability. If it wears out or becomes uncleanable before the warranty expires, it's on us. We'll replace it. We'll also pay for the material and the labor cost. For more information on the available colors, sizes and textures call or write the company that invented and patented this revolutionary flooring product, and receive your personal product kit along with our certificate of promise. We guarantee ... it warrants your attention.





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Laminates

nterior Finishes

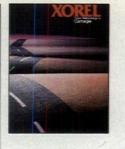
According to the literature,

"Vitricor", an acrylic laminate, has a relective gloss appearance similar to hand-lacquered finishes. However, it is a practical stain-resistant surface that can be used in both decorative and functional applications. There are 18 stock colors. **Nevamar**. 291



Hardwood Floors

A 20-page color brochure is full of design ideas, flooring patterns, and complete descriptions of this company's products. Color and finishes are also shown for the factory finished line of parquet, plank, herringbone, and custom-designed floorings. **Hartco**. 295



Fabric Wallcovering

Designed for high traffic areas, these coverings can be applied to any vertical surface including plaster walls and acoustical panels. The washable durable fabrics come in 106 stock colors and five weaves. Color samples and the results of toxicity, stain resistance, and other tests are included. **Xorel Fabrics**. 292



Marble

This company maintains a large inventory of polished and flamed-finished stone as well as marble tiles and granite pavers. Information on the company and its production capacity are included in the eight-page brochure, along with color samples and applications.

Granite & Marble World Trade. 296



Resilient Floors

Muted patterns and neutral colors are the basis for this innovative commercially graded flooring. Floors are available in a choice of widths and borders and are designed specifically for creative custom applications. The catalog illustrates patterns and colors. Mannington. 293



Metal Laminates

Designed for use on interior vertical and horizontal surfaces, metal laminates offer superior dent and crease resistance when compared to solid metal products. The color catalog also features solid metals and metal strips. Metal finishes come in a variety of colors. **Formica**. 297



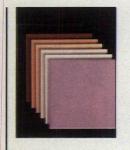
Carpet Fiber

The color in "Antron Lumena" is an integral part of each fiber, resulting in colorfastness. Since carpets made of this fiber can normally be cleaned with mild detergent they are intended for use in spaces that will require frequent care. Fiber description and performance are provided in the literature. **Dupont** 294



Resilient Floors

This 12-page brochure features commercial sheet vinyl. Inlaid mosaic, random chip, and geometric designs are some of the patterns highlighted and each is described and color samples provided. Information is also included on installation procedures and maintenance. **Congoleum.** 298



Ceramic Tile

"Interni Plus" is a solid glazed tile that is slip and frost resistant. This interior and exterior tile can also be used in high traffic areas such as shopping malls and in commercial kitchens. The brochure features color selections, tile profiles and dimensions, and other information. **Vogue**. 299



Decorative Coatings

Several types of textured acrylic coatings, designed to meet specific needs for flexibility, water resistance, or weatherproofing are available. These coatings act as protective and decorative finish coats for interior or exterior use. A two-page catalog describes the finishes. **Tamms.** 300



Rubber Floors

These raised-pattern tiles, designed to cushion and help reduce noise, are non-conductive and help resist scuffing. They are ideally suited to high traffic applications such as terminals, malls, and schools. A catalog describing the product also includes details and profiles. **Roppe.** 301



Acoustic Ceilings

"Sonex" melamine ceiling tiles come in four distinctive raised patterns and three colors and can be installed in a variety combinations. The four-page color brochure includes application ideas, specifications, color samples, a sound absorption comparison chart, and installation tips. **illbruck**. 302

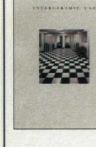


Laufen's Charleston 12 x 12 Floor, Charleston 8 x 10 Wall and Nautilus Bath Fixture Collection.

There's A New Wave In Designer Tile.

Tile should have impact. Be bright, bold . . . even radical. That's why Laufen International has designed tile with the kind of graphics, colors and textures that will make your head swim. So brace yourself. Tile like this is bound to make a splash.

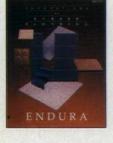




Ceramic Tiles

nterior Finishes

This company manufactures a single-fired, vitreous, hard glazed tile that is known for its strength and durability. Commercially rated, it is recommended for residential and moderate-to-heavy commercial applications either inside or out. **Interceramic**. 303



Rubber Flooring

The literature claims that "Endura" has achieved recognition as the highest quality and best performing flooring material. This durable material is ideal for commercial and residential applications and where slip resistance is required. The color brochure includes color selections. **Endura**. 307



Rubber Flooring

Tile, cove, and carpet base and stair treads are available in dozens of standard colors. Custom colors also can be produced to match almost any hue or tint. This multi-page color brochure provides a full description of the products, including profiles, dimensions, and maintenance information. **Burke**. 304



Wood Floor

During the production process an acrylic finish is forced into the wood, resulting in a floor that never requires restaining and is easy to maintain. The floors are ideal for high-traffic areas and are resistant to abrasion and impact. A color catalog shows applications and sizing data. **PermaGrain.** 308



Ceramic Tile

This company puts out an extensive line of tile and natural stone products in a wide variety of colors, sizes, and shapes. Grouts, mortars, adhesives, and other installation products are also available. This 55-page guide offers complete information and application ideas. **American Olean**. 305



Colored Stainless Steel

A large range of colors are created by applying a thin chrome oxide film to stainless steel. The colored stainless is also available in polished and brushed finishes as well as over 65 threedimensional textures. The product performs better than natural stainless in tests. **Prismatic Stainless Steel.** 309



Gypsum Wallcoverings

For renovation or new construction this gypsum-coated fabric covers block, gypsum board, ceramic tile, plaster, and plywood. Applied from a roll, "Flexi-Wall" will create a decorative, durable surface that will hide cracks, patches, mortar joints, and other irregularities. Flexi-Wall. 306



Stone

This company stocks 24 different types of stones that can be used in combinations to create unique designs. Some of the stock designs range from traditional to Art Nouveau and Art Deco patterns. The stones are created for interior surfaces only. **Lodestar.** 310



Column Covers An array of mirrored and colored stainless and aluminum covers, prematched to "Formica" brand laminates, are vividly shown in a four-page brochure. Covers are custom fabricated in lengths up to 16 feet and are available with flush or revealed bases. Details are provided. **C/S.** 311



Resilient Tile

Vinyl, vinyl composition, and rubber tiles, as well as inlaid borders, cove bases, and adhesives for commercial and residential use are described in detail in this informative 32-page color catalog. Easy to follow tables provide information on light reflective values, subfloors, and packing data. **Azrock.** 312



Wall Finishes

This spray-on wall product leaves a seamless low-luster finish that is said to be as economical as paint and as durable as vinyl. Designed for commercial applications, this finish can be easily scrubbed to remove dirt and stains. A cost analysis is provided in the color brochure. **Polomyx.** 313



Quartzite

Harder than granite, this material is suitable for both interior and exterior flooring and can be exposed to weather and heavy traffic without sealing. A folder includes large-scale photos in which pattern, texture, and color can be clearly seen. A Spec-Data sheet is also provided. Idaho Quartzite. 314

P/A Annual Information Sources, 1990–1991

For colors in rubber flooring, take your cue from Endura.

The 15 standard colors in the Endura palette are carefully chosen for the way they'll harmonize with contemporary designs. There's an excellent selection of custom colors, too, and no one does them for smaller minimums. When you include rubber flooring in your plans, Endura's colors are a nice break from the ordinary.

E N D U R A°

ENDURA Rub Sawyer Road, Waltham, oring, Two University Office Park, 2254-9045 (617) 647-5375 Fax (617) 647-0919 Circle No. 544



nterior Finishes

Wood Floors

A 15-page color brochure is filled with design ideas and flooring patterns; special designs can be created in any wood or combinations of wood. Borders, beveled edges, handdistressed texture, and matching architectural millwork are some of options available. **Kentucky Wood Floors.** 315



Storage Systems

Versatile vinyl-coated metal shelving and storage products, for closet and room use, are clearly shown in this two-page leaflet. Examples of closet arrangements with typical dimensions are provided in addition to installation details and load capacity charts. **Closetmaid**. 319



Hardwood A 44-page color booklet is filled with ideas for using hardwood to create durable interior surfaces. Staircases, cabinets, floors, as well as specialty items are featured. Although over 40 species of wood are available, only photo samples of the most popular ones have been included. Hardwood Institute. 323



Wood Millwork

This is an extremely comprehensive 120-page guide to custom architectural millwork. Included among its many products are mouldings, stileand-rail paneled doors, mantels, stair parts, as well as specialty items like store fixtures. Dimensions, profiles, and much more is provided. **Boise**. 316



Laminates

A seven-page color brochure describes "solicor", a laminate that has color through-out the thickness of the sheet, eliminating the seam line. The product is intended for interior horizontal and vertical surfaces and the layered bonded sheets permit color sandwiching, and decorative beveling. **Wilsonart**. 320



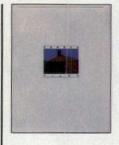
Resilient Floors

Three commercial resilient floor coverings, sheet vinyl, anti-slip flooring, and electrically conductive tile, are all available from this company. Each type is highlighted in a color brochure that includes features, color charts, application ideas, and specifications. **Forbo.** 324



Solid Surface Material

Over 20 decorator colors are available that closely simulate natural granite, marble, and gemstones, but are more durable. This product can be used for countertops, interior walls, custom furniture, and as column covers. Two brief brochures show product application. **Avonite.** 317



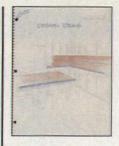
Tiles

A multi-page brochure describes the philosophy behind this tile company. These handmade tiles are manufactured one-at-a-time and their slightly rounded edges and corners help to make them unique. Glazed and unglazed tiles come in standard sizes and shapes. **Seneca.** 321



Carpet

Commericial carpets are thoroughly discussed in this very informative 132-page spiralbound guide. Color photos of each style are included followed by an easy-to-use specifications table as well as information on yardage, carpet construction, installation methods, and much more. **Mohawk**. 325



Ceramic Tile

This 22-page spiral-bound color brochure includes pages of photos of ceramic tile applications, descriptions of each product, its uses, and features. Tiles are available in a variety of shapes and sizes and in over 100 colors. **Latco.** 318



Ceiling Systems

This company is the producer of integrated ceiling systems and components for a wide variety of commercial and retail applications. A 16-page color brochure features grids, linear metal systems, metal panels, and baffles. Finishes, colors, materials, and other information are provided. **Alcan.** 322



Tile Installation

"Laticrete" system, according to the literature, is the most versatile tile installation system available. The system enables ceramic tile and natural stone to be installed over virtually any existing or new surface, including vinyl and old ceramic tile. Directions for use are included. Laticrete. 326

THE MINERAL COLLECTION

Clear, Fresh Color From Crossville Ceramics

As clear and cool as a fresh water stream, The Mineral Collection from Crossville Ceramics captures the lucid hues of nature and brings them to porcelain.

Extend your design possibilities with Crossville Ceramics porcelain tile—the only large-unit porcelain tile made in the United States. To view the entire Crossville line, phone 615/484-2110. Circle No. 512 on Reader Service Card



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NEW SAND Nature captured for man's environment. The New Sand vinyl tile offers a new dimension in texture-no comparison exists.

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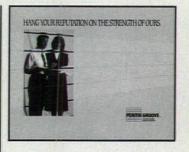
Stone

This Italian-based company has produced a 50-page glossy booklet devoted almost entirely to large-scale photos of marble, granite, and travertine. Textures, patterns, and colors are all clearly seen. The booklet is published in Italian, English, French, and German. **IMEG.** 449



Marble

A process of combining a polyester-based material with natural marble has produced a product with flexible strength, low absorption rate, and resistance to abrasion and impact. This product is recommended for high-traffic areas and residential use. **Rover.** 451



Display Systems

This fold-out brochure discusses the attributes of slatted display panels. It explains how the hanging strength of the panels is determined and gives the various dimensions of the slats. Illustrations of the surface materials, including wood grains and plastic laminates, are also shown. **Perma Groove.** 453



Hardwood Flooring

Parquet and strip wood floo manufactured by this comp go through a multi-step Swa ish finishing process resultin in a surface that requires or routine care. The color cata shows applications, illustrate patterns, provides dimensio and describes installation pr dures. **Robbins Sykes.** 450



Fabric Systems

"Snap-Tex" system can be in stalled on plaster, concrete, or brick and can accept a ra of fabrics. Using this fabric tem eliminates wall preparations, improves acoustics, an creates tackable surfaces. A two-page leaflet illustrates se eral applications and provide details. **Snap-Tex.** 452



Wool Carpets

A highly informative, 48-page catalog lists the major woolcarpet manufacturers, with a chart of what each company produces. The chart include such information as the percentage of wool in each carp the type of pile, and the num ber of colors.

74



Thermal and Moisture Protection









1427 CREME



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The Wool Bureau of Canada Limited Interior Textiles Division: 33 Yonge Street. Suite 820 Toronto, Ontario, M5E 1G4. Canada

Furnishings

Workstations, casegoods, chairs, presentation boards



Work Stations

Designed for comfort and efficiency, this workstation provides a form that encourages productivity. Completely modular, all components can be inter-connected for individual or shared use. A color fold-out brochure describes the systems and accessories. **Wright Line.** 329



Contract Stacking Chairs

Basic seating styles include a side chair, an armchair, and a side chair with retractable tablet arm and bookrack underneath. All the chairs have steel-rod frames and are fully stackable. Extensive color and texture options are available and the literature includes color selection and dimensions. **Thonet.** 333



Task Seating

"Cyborg" chairs are designed for people who sit for long periods of time. According to the literature, the body must be kept moving if it is to sit comfortably, which these chairs accomplish. A color guide fully explains their action and provides other information. **Rudd.** 330



Media Products

A color brochure clearly illustrates and describes a wide range of media-related office furniture and equipment. Stands for copiers and audiovisual equipment, rolling carts for television monitors, computer furniture, and projection screens are just some of the products displayed. **Bretford**. 334



Office Furniture

Chairs

Italian designed, but hand-

crafted in America, these con-

temporary chairs and settees,

with Classical frames, are de-

scribed in this two-page color

Panels, worksurfaces, storage facilities, and system accessories are profiled in this 15-page, full-color brochure. Photographs, a brief description, and a dimensional drawing of each product is included. Shaw/Walker. 327



Office Furniture

This 80-page color book displays an extensive line of secretary, stackable, upholstered, and outdoor seating and outdoor and indoor tables. A wide array of wood finishes, fabrics, and colors are available. Each item is clearly photographed and dimensioned. **Loewenstein.** 328



Presentation Boards

This company carries a complete and extensive line of office furniture, seating, and partitions. Highlighted in this brochure are presentation boards. Features include retractable projection screens, magnetic porcelain writing surfaces, and fabric-covered tackboards. **Haworth**. 332





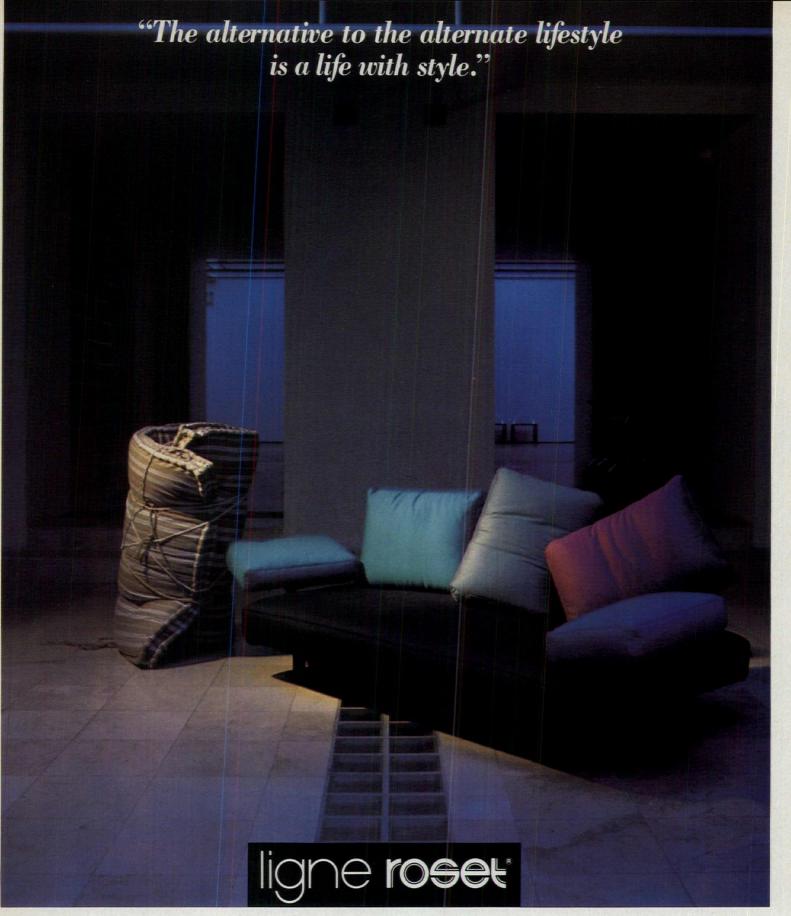
Furniture Systems

According to the literature, "Archetype" is a factory-produced office storage system with a built-in appearance. It consists of modular storage and filing cabinets that may be used alone or with standard walls or demountable wall panels. The catalog provides layout information. **JG Furniture**. 335



Chairs

The IBD award-winning "Kobe" chair is presented in this brochure. The chair is available in two versions, with wood capped or upholstered arms, and can be used as a guest, side, or conference table chair. All the chairs have a steel-reinforced hardwood frame. **Tuohy.** 336





Circle No. 529

Innovative and designed for comfort, the Shogun sofa created by Claude Brisson for Ligne Roset, triples as a bed and a chaise. It also features individually and fully adjustable cushions. Select from over 50 leathers and 250 fabrics in a wide array of colors and patterns.

DuPont's registered trademark for the polyester fiber made only by DuPont.

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Special Components and Equipment

Elevators, security systems and enclosures, emergency lighting, dock levelers, projection screens, security gates and screens, handrails, ice rinks, rail systems, surveillance equipment, alarm systems, access floors, disposal systems, floor grates, stair lifts, industrial lifts, lockers, fire protection equipment, exhibition systems, conveyors, explosion relief panels, stair systems, movable walls



Elevators

This 15-page planning guide includes both a selection of preengineered elevators and details of this company's customdesign capabilities. Typical plans for elevators serving low, mid, and high rise buildings and freight elevators are included in the guide. **Dover.** 337



Security System

Whether for use in a guard tower or front door, bullet-resisting, penetration-resisting, and blast-resisting systems are designed, tested, fabricated, and certified by this company. Ballistic tables, certification information, and other technical data are included in the brochure. **Chicago Bullet Proof.** 338



Emergency Lights

This 78-page book has an extensive selection of emergency lighting equipment and provides technical data on lamps and voltage drop protection. Among the products listed are emergency lights for decorative, industrial, and commercial applications, and stand by power systems. **Lightalarms**. 339



Dock Levelers

A complete line of dock products including, docklevers, truck restraints, seals and shelters, bumpers, docklights, and a full array of high speed doors, are featured in this catalog. Easy-to-follow specification charts are provided as well as clear illustrations. **Kelley**. 340



Projection Screens

A variety of seamless projection screens, including electric screens, suitable for wall or ceiling installation, as well as portable tripod screens, are just some of the featured items. The 16-page brochure illustrates and explains each screen and installation details have been provided. **Bretford.** 341



Ice Rinks

Everything you want to know about ice rink dasher boards is in this brochure. Photos and drawings show how the boards are installed, what the different components of the system includes, and what options are available. The literature ends with a selection guide. **Holmsten Rinkmaster.** 342

Explosion Vents

Custom designed "Explovent" panels allow the release of explosive pressures with a reliability that is verified through field tests and conforms to N.F.P.A. guidelines. Panels are available in three core materials: semirigid fiberglass, aluminum honeycomb, and translucent polycarbonate. **C/S.** 343



Decorative Railings

Simple polished brass railings and custom-designed wood railings with etched glass infill panels are all available from this versatile manufacturer. The 12-page color brochure includes design ideas, bracket and fitting options, clearly drawn details.

Newman Brothers. 344



Metal Railings

This 132-page hard bound book entitled "Stock Components for Architectural Metal Work" is much more than just a listing of parts. Each railing system, treillage, and ornamental panel is illustrated and described and installation information and technical data are provided. Julius Blum. 345



Fire Barrier

In large open areas, such as airports, lobbies, and offices, "FireGuard," a versatile fire _____ barrier, can eliminate the need for a fire-rated wall. This 18page booklet shows application photos and briefly describes the system, as well as providing information on fire rating and testing standards. **Won-Door**. 346 85



Elevators

Special Components and Equipment

Residential elevators, mechanical incline chairs, and "Homewaiters" for use in office or home are among the lifting devices available from this company. Several brochures are available providing photos, information, clearly drawn details, and installation data for each product. **Inclinator**. 347



Fluorescent Lighting

Recessed fluorescent fixtures for commercial applications are offered in a wide variety of styles, aperture sizes, wattages, and trims. Effects can range from general ambient and task lighting to wall washing. The housing for each fixture is illustrated and dimensioned. **Halo.** 351

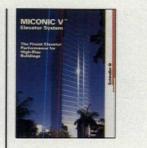


Key Control Systems A wide range of key storage systems, including wall and portable units, cabinets, and drawers, provides a systematic, secure, and convenient method for filing keys. The systems are described and illustrated in a 16-page brochure and the installation procedure is explained. Telkee. 355



Railing Systems

These contemporary nyloncoated tubular railings are intended for both interior and exterior applications and are suited for residential as well as commercial use. The color brochure includes descriptions of these railings and also features molded nylon bath, cabinet, and hardware. **Normbau**. 348



Elevators

Elevator vibration, jerk, and noise have all been reduced by the introduction of the "Miconic V" system. The system's monitoring devices also detect changes in demand, thereby enabling the elevator to provide optimal service. Door-close monitoring and other features are available. **Schindler**. 352



Disposal Systems

According to the brochure, shredding can reduce waste handling costs by reducing the number of containers required. These shredders operate at a low RPM, which helps to keep noise levels down and create a minimum of dust. Systems can be arranged in any configuration. **Blower Application**. 356



Security Equipment

Bullet resistant doors and frames, windows, guard enclosures, banking equipment, modular partitions, and specialty products are supplied by this company. Each product is clearly explained and suggested application use and other information provided. **National Bullet Proof.** 349

Complex Perfore to each a set of the sense of the sense

Smoke Detection System

This information folder profiles the "TrueAlarm System." The folder includes detailed descriptions, dimensional drawings, and specifications for the smoke sensor, addressable interface module, and monitoring and control system. A listing of features is also provided. **Simplex.** 353



Grating

This company's specialty is steel products with "holes" in them. The 48-page catalog features catwalks, screens, treads, and other products that are available in carbon steel, stainless steel, galvanized aluminum, fiberglass, as well as other materials. **McNichols.** 357



Surveillance Equipment

Cameras, monitors, video recorders, and housings and mounts are listed in this 18page catalog of closed-circuit video equipment. The catalog includes photographed items, dimensions, features, and rating classifications. **Burle**, 350



Access Floors

Designed to eliminate deflection, lateral movement, rockers, and hollow sounding floors, the patented "Tec-Crete" is the only steel pan and concrete panel available. Flooring systems and accessories, such as access boxes, grilles, and panel lifters, are explained in the literature. **C-TEC**. 354



Stair Lift

Appropriate for outdoor or indoor use, and for retrofit or new construction, this lift system is designed for virtually any stairway configuration. The well-organized and detailed 31page catalog explains the range of features and benefits of each system and gives layout information. **Garaventa.** 358



No matter what kind of business customer you're building for these days, warm and comfortable is in. And research clearly demonstrates the heating offices and stores. We're heating manufacturing plants and

sidiary of Europe's hydronic heating leader. In more than 600,000 installations from Amsterdam to Zurich, we've been putting radiant heat

to work. Whether you're building with suspended concrete flooring, pre-stressed concrete or slab-on-grade, we have the experience and

most comfortable form of heating is radiant heating.

Out of the question? Out of the price range? Not with the Wirsbo underfloor radiant hydronic heating system that uses WirsbopePEX, the world's number one choice. By combining Wirsbo's

patented crosslinked polyethylene tubing technology with lowtemperature hydronics, you can provide unparalleled comfort at a fraction of the cost of conventional forced-air heating systems.

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Wirsbo-pePEX's unique five-layer oxygen diffusion barrier assures years of trouble-free operation.

airplane hangars. We're heating hospitals and day-care centers. We're

heating landscape nurseries and sports facilities. We're also melting snow on streets, sidewalks, parking ramps and other outdoor surfaces, and controlling ground frost in football fields and racetracks.

Underfloor radiant heating is reliable, economical, trouble-free, vandalproof and, best of all, comfortable. It's a difference people can feel — and an exciting point of difference for a property, whether its occupants will be headquarters and sales offices or retail shops and restaurants.

Call us. We have the proven technology that can make radiant heat work effectively. And the track record that demonstrates its long-term viability. We'll help you make building your next commercial/office complex a little less complex. And a lot more rewarding.

world leader in hydronic systems



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special Components and Equipment

Vertical Lifts

This company specializes in the design and production of vertical material handling equipment. An easy-to-read, clearly detailed 23-page color brochure explains the variety of hydraulic and mechanical systems that are available. The brochure discusses safety features. **PFLOW.** 359



Lifts and Levelers

The mechanism described in this brochure serves as both a lift and a dock leveler. It has a rugged steel frame and an hydraulic lift that can accommodate loads up to 16,000 pounds. The brochure includes a diagram of the equipment along with specifications. **Rite Hite.** 363



Lockers

This company offers lockers in 14 standard colors plus twotone styles as well. All lockers can be customized with extra shelves, hooks, and poles. The 15-page catalog describes the many varieties of lockers available, including single and multi-tier and those with solid and mesh panels. **Lyon.** 360



Security Hardware

This company supplies a wide variety of security devices for heavy duty use that are designed to be tamper-resistant and have working parts of corrosion-resistant materials. Featured in this brochure are electric strikes. The literature provides an easy-to-use selection guide. **Folger Adam.** 364



Movable Walls

"Design Option Wall" is a full height movable steel panel wall system available with solid and full- or partial-glass panels. Wood doors are standard and available in a variety of prefinished colors and stains. The multi-page color brochure describes options and provides details. **Clestra Hauserman.** 361



Access Floors

Flooring systems with woodcore, steel, aluminum, and cementitious panels have been developed to meet design needs in clean computer rooms or to resist static and dynamic loads. The 16-page catalog also features accessory options, illustrations of understructure, and performance tables. **Tate**. 365



Fire Protection

Extinguishers, extinguisher cabinets, and accessories are featured in this informative 12page catalog. Equipment in an array of sizes, styles, and finishes is available and is completely described and dimensioned. UL ratings and Coast Guard approvals are also noted. J.L. Industries. 362



Railing Systems

A system composed of nylon tubes, elbows, and straight and angled connectors is available in 13 colors and two diameters. Infill panels can be added to the system to meet safety requirements. The literature includes design ideas and installation details. **WW Glass.** 366

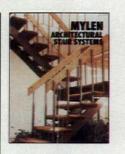


Wheelchair Lift This inclined stairway lift is designed for carrying a person in a wheelchair or a seated passenger up three flights of stairs. The parallel steel tubes supporting this system may be fastened to any structurally sound wall and can transverse almost any stair. Cheney. 367



Domes

A single-page flyer highlights "Meroform" light-weight domes, half spheres, and spherical segments. Designed primarily for exhibition purposes, the structures may be used inside or out. Structure, material, and other information is briefly discussed. **Mero**. 368



Stair Systems

This wood stair system has an open front and back. Stringers, balusters, treads, and rails come in a choice of styles and components may be specified for other systems as well. The fourpage color leaflet provides design ideas. Installation instructions and hardware come with every order. **Mylen**. 369

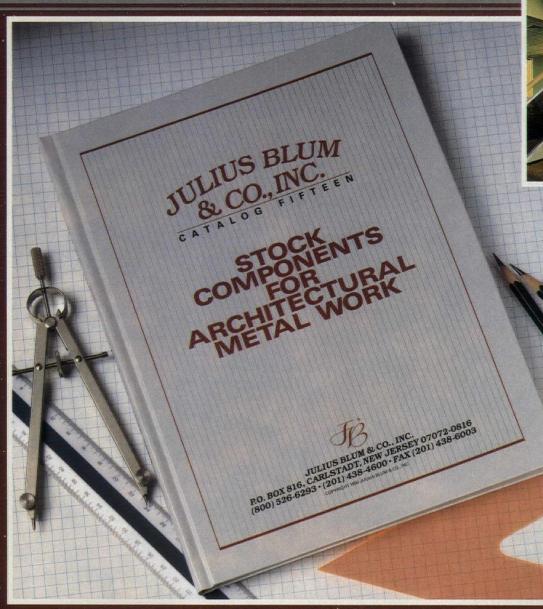


Conveyors

A wide selection of floor-tofloor, bulk, and parts conveyors, for use in a variety of situations, are manufactured by this company. Among the conveyor types available are slider belts, rollerbeds, wire mesh, and hinged. Each system is clearly illustrated and described. **Titan.** 370

88

CATALOG 15 YOUR COMPLETE SOURCE



JULIUS BLUM & CO., INC. PO BOX 816, CARLSTADT, NEW JERSEY 07072

Since 1910, Julius Blum & Co. has provided ornamental metal components of high quality to the architectural trades. Today, Julius Blum & Co. is the industry's most complete source for architectural metals. Our latest publication, Catalog 15, describes our full line of architectural metal components:

JB* Glass Rail — Metal railing components for use with 1/2" and 3/4" tempered glass.

Connectorail[®] — Non-welded pipe railing system in aluminum, bronze and stainless steel.

Colorail — Extruded plastic handrail in 12 stock colors and 10 stock shapes.

Carlstadt Railing Systems — Versatile post and rail systems in aluminum, bronze, stainless steel, and acrylic/wood.

Traditional Railings — Handrail, treillage, fittings, and decorative ornaments in aluminum, bronze, steel, and stainless steel.

Elevator Cab Components — Elevator sills, handrail and brackets suitable for vertical mounting in elevator cabs.

Handrail Brackets — Wall, post and vertical mounting brackets for all handrail types.

Expansion Joints, Thresholds and Mouldings

Tubing, Bars & Shapes in Bronze, Aluminum, Steel and Stainless Steel.

Catalog 15 also includes a complete Engineering Data section to assist in the proper structural design of various handrail systems.

. Contact Julius Blum & Co. for your copy of Catalog 15.





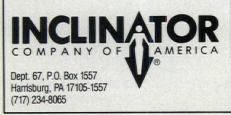


Presenting the "Elevette" from Inclinator Company.

Once used exclusively for improved accessibility (and still tax deductible if recommended by a doctor), residential elevators have become a desirable luxury/ convenience option in many upscale homes. And Inclinator Company is leading the way with the Elevette.

The Elevette is custom-built to your specifications, and comes in a variety of sizes and weight capacities. Inclinator Company even offers several interior design options to match every decor.

Send for free information of the best way to meet the needs of your upscale clients. The Elevette.





Classical Columns

The five Classical orders, as well as variations, are faithfully reproduced in wood by this company. Columns can be structural or decorative and designed for interior or exterior use. All columns are available with plain or fluted shafts and with several capitals to choose from. **Chadsworth.** 455



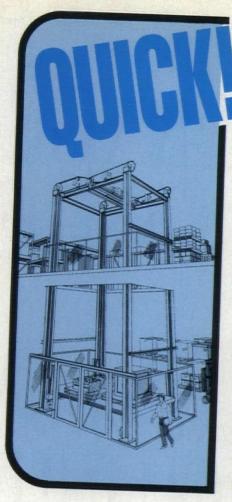
Folding Partitions

Enclose or expand space by using folding partitions. The lowprofile suspension system minimizes intrusion yet allows for easy, electric or manual manipulation of the panels. Details of installation, fire and sound ratings, and more are included in a color catalog. **EMC0**. 456



Access Floors

Wood-core access panels have an enclosed steel construction and are capable of supporting concentrated loads of up to 1,400 pounds. They are designed with mitered corner trim edges that will not rise up, push down, or pull off. Four systems are available. **Unistrut.** 457



What's a **Vertical Reciprocating Conveyor?**

Can you picture it in your mind? Probably not. Suppose we said it's like a specialized elevator (built to carry materials only-no passengers). Now have you got the picture?

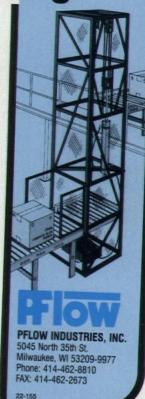
Although Pflow makes six models and hundreds of variations of Vertical Reciprocating Conveyors (VRCs), we sense a product identity problem. Even material handling people don't readily recognize or think about a VRC. On the other hand, we can't call our VRCs elevators because they're not elevators. They don't carry people. Most important, they do not fall under the elevator code. They are covered by the conveyor code (ANSI B20.1).

Why is this important? Because VRCs cost 1/2 as much as elevators-or less. They can carry materials weighing ounces to 12,000#'s. They have a vertical travel from a couple of inches to 100 feet.

We've got 3500 or so successful installations coast-to-coast. Yet people continue to forget about them. So here's what we propose. Think of VRCs as very "special" elevators which carry materials only. Then when you design a material handling system, think vertically as well as horizontally.

Want all the facts on VRCs? Contact:

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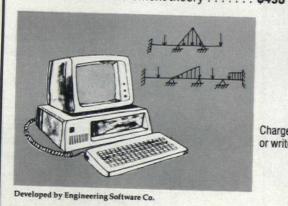


Solve Structural Design Problems on your PC

Beam Design:

QuickBEAM — A finite element program for design of simply supported, fixed, or cantilever beams. Handles up to 20 nodes with 19 connecting beam segments, distributed or point loads, moments, full or partial spans with varying cross sections.

Graphics let you view the problem showing boundary conditions, node locations, forces, moments, and distributed loads. Problem solution plots shear, moments, deflections over the length of the beam. Although the program uses finite element methods, the user doesn't need to know finite element theory \$495



Materials Library:

QuickSHAPE — Automatically retrieves properties and specs of more than 1,100 AISC shapes including channels, structural tees, and single & double angles. Provides all dimensions, weights, moments of inertia, and section modulii; then combines with these structural design programs to eliminate tedious manual calculations. Program accepts user defined properties and specs for other materials. \$295

Properties Calculator:

QuickMOMENT — Calculates section properties on demand and inserts them into the structural design programs. If it's a regular shape, just select the type . . . tube, circular, trapezoid, I section, etc., enter dimensions, and *QuickMOMENT* will calculate all of the section properties. You can build irregular shapes with contiguous rectangles on the computer monitor. ... \$295 Complete integrated beam design software package . . . includes QuickBEAM. QuickSHAPE, and QuickMOMENT

four 51/4" disks and user manual (save \$90)	-2, and <i>QUICKNIOMENT</i> — \$995
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e to: Penton Education Division 1100 Sup	verior Avenue Cleveland Obio 44114

91

EMERGENCY·L RATICA NSID

*

91/4

TSI

Beghelli, the Italian leader in emergency lighting products, has now created a totally new kind of lamp: PRATICA BELLA, Practical and Beautiful. Practical because it is easy to install and maintain. Beautiful because it is a creation of Italian design, which adds a pleasant and elegant look to emergency lighting. A very special style that is capable of

integration and provides the finishing touch to your important projects. PRATICA BELLA, available in black, white,

and burgundy colors, is part of a complete line of lighting/emergency lighting products manufactured by Beghelli. These products, along with a commitment to quality/assistance and service, are now available in the United States.

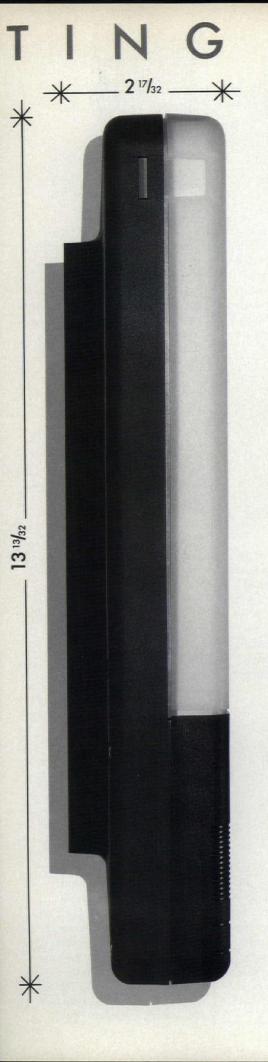
So, when you are thinking of an emergency lamp to complete your project, think of Beghelli, think of PRATICA BELLA.



in the darkness, a light. Beghelli Inc. - P.O. Box 8053 - Jacksonville, FL 32216

Phone (904) 6464416

Design: Eros Bollani





Molded Fiberglass

FRP (Fiber Glass Reinforced Plastic) is strong, lightweight, non-corrosive, and dimensionally stable. Its use in creating architectural ornament and moldings is illustrated in this 4-page brochure. A technical page gives the material's physical properties and examples of its application. **MFG**. 458



Security Products

"Vantage Wall" is a heavy-duty security panel made of woven steel rods, of various diameters, welded into slots inside a heavy steel frame. It is intended for use in correctional institutions, security windows, and enclosures. Product descriptions and specifications are included. **Kane.** 459



Kitchen Cabinets

This compact four-page leaflet offers an array of cabinets and accessories, such as appliance garages, lazy susans, and pullout trays. The literature illustrates the various cabinets, providing dimensions as well as other information on construction, drawers, and more. **Kitchen Kompact.** 460

Planning an Ice Rink?



Award-Winning Project Features Rinkmaster Ice

Racine on the Lake, Racine, WI, includes a marina, park, "Festival Hall," and an outdoor Rinkmaster ice rink which provides ice from October to March. Zimmerman Design Group was the architect.

Rinkmaster serves architects with these complete services:

- 1. Typical ice rink plans, specifications, options.
- 2. Preliminary cost estimate.
- 3. Customized plans and specifications for your project.

93

- Accurate project cost estimate for budget protection.
- 5. Total ice rink responsibility including: refrigeration, installation, concrete rink floor, subfloor heating, waste heat recovery, dasher boards, ice resurfacer, nets, scoreboards, etc.

FREE Full color brochure, ice rink specifying guide & checklist.



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Plumbing and Mechanical Equipment

Louvers, fans, heating and cooling systems, drinking fountains, washroom and kitchen fixtures and fittings, odor absorbers

Louvers

This 72-page manual is full of installation photographs and descriptions of extruded aluminum and fabricated-steel louvers and mechanical dampers. Fixed, operable, horizontal, vertical, and special-purpose louvers are available. Sizing and technical information is provided. Airstream. 373



High-performance louvers, and those that permit low water penetration, low pressure drop, and high free area are available in galvanized steel or extruded aluminum. The 16-page catalog includes application photos, explanations, and details for these louvers. Ruskin. 377



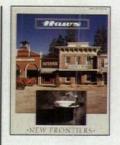
Radiant Heat

This company's durable plastic tubing is able to withstand a wide range of temperature and pressure combinations. The tubing is adaptable to the needs of virtually all forms of hydronic underfloor heating. An informative brochure explains the system and compares it to forced-air heating. Wirsbo. 374



Louvers

This easy-to-use reference binder is filled with specifications sheets on dampers, louvers, and roof accessories. Products come with a factory finish that has gone through a high temperature baking process to ensure a complete paint to metal bond. EMPCO. 371



Drinking Fountains

This 20-page catalog features a wide selection of pedestal, wallmounted, and handicappedaccessible fountains for interior or exterior applications. Each model is photographed, described, and detailed. Installation tips and recommended mounting heights are also provided. Haws. 375



Fans and Heaters

An extensive range of fans meet virtually any ventilation need. All-house, exhaust, and room-to-room wall fans are some of the types featured in the brochure. Room heaters are also featured. Details, specifications, and accessories are provided for both product lines. **NuTone. 372**



Fixtures

Whirlpools, lavatories, bidets, and more are featured in this comprehensive 47-page color catalog. Each product is photographed, described, and dimensioned. In addition to bathroom fixtures, faucets for kitchens and bathrooms are also included.

American Standard. 376



Electricity Information

A series of guides to electric use are available from this trade organization. Tables comparing initial costs, operating costs, and maintenance costs of the various competing systems are included. In addition, other features are discussed such as meterability and dependability. **Edison Electric Institute. 380**



Louvers

EUROCAST

Bath Tubs

Standard tubs, contoured tubs, and tubs for two all have an acid-resistant, durable surface and come in six standard colors, though custom designs can be applied. Made of heavy duty porcelain enameled metal, these tubs have the strength of cast iron, but half the weight. **EBI.** 378



Faucets

All brass faucets, fixtures and accessories for kitchen, lavatory, and bath are clearly displayed in this multi-page catalog. Special features include double swivel spouts, handicapped faucets, and fast fill and energy saving valves. They are suitable for either residential or commercial use. Kroin. 379



Water Conservation

This multi-page fold-out brochure introduces "MVP", a selfclosing water-metering cartridge. Pictured in the literature are a variety of metering faucet sets including a single lavatory fitting, single inlet with valve and spout, and single water inlet. **Chicago Faucets.** 381



Washroom Accessories

This comprehensive 51-page catalog is a source for virtually all commercial, hospital, and hotel bathroom accessories. Products are clearly shown and dimensioned, and mounting heights are provided for both handicapped and non-handicapped use. **Bobrick.** 385



Louvers

Louvers that will limit water penetration or help lower noise and sound levels, as well as other standard fixed and operable types, are covered in a 28page brochure. Each type is described and detailed, and performance data is furnished. **C/S.** 389



Toilets

Standard and water-saving toilets, as well as bidets and heavyuse commercial toilets are shown in this multi-page foldout catalog. Toilets are available in one and two pieces, with elongated and rounded bowls, and in a variety of colors. Dimensioned drawings are also included. **Briggs.** 382



Laundry Room

Planning for laundry facilities in multi-family dwellings is made easier with this clearly written guide. The guide discusses optimal laundry room locations, room sizes, and recommended and optional equipment. Also included is a typical floor plan with equipment and accessories laid out. **Web**. 386



HVAC

Valance heating and cooling system is a forced-water system that eliminates the need for fans or blowers. It is ideal for installations where air movement and noise must be minimized. This four-page leaflet describes the features of the system and includes an installation detail. **Edwards**. 383



Heating Enclosures

The wide range of baseboard enclosures and elements meet most hot water or steam heating requirements. Filler and corner pieces allow these enclosures to take on virtually any configuration. Profiles, details, rating charts, and more are found in this 27-page brochure. **Slant/Fin.** 387



Faucets

This four-color, 32-page catalog illustrates the many styles and configurations of faucets, sinks, shower heads, and bathroom accessories available from this company. Also included is information on the patented cartridge system and specification and detail sheets on each product. **Moen.** 384



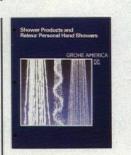
Washroom Hardware

This 340-page guide is more than a comprehensive list of bathroom accessories; it is a reference source as well. The guide provides information on designing custom grab bars, care of metal finishes, comparisons on the cost of paper towels vs. dryers, and much more. **Tubular Specialties.** 388



Bathroom Accessories

This versatile collection of shelves, mirrors, towel bars, and other items allows for a variety of combinations and designs. These products are made of nylon and are available in 13 colors. A 16-page catalog illustrates each product and provides dimensions and limited descriptions. **Hewi**. 390



Faucets

A series of brochures by this company illustrate its varied line of faucets and other plumbing fixtures. Some brochures show informative cutaway diagrams and others show the types of spray possible with different hand-held shower heads. **Grohe.** 391



Odor Removal

Absorbers, using activated carbon to remove gas, vapor, and odors from the air, can be integrated with most air handling equipment. They are recommended for commercial, industrial, hospital, and other health care uses. Both the disposable and rechargeable units are explained. **Farr.** 392 PPG Place, Pittsburgh, PA. Architects: Philip Johnson & John Burger

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Lighting and Electrical Equipment

Lighting fixtures, cabling, outlets, lighting controls, lamps, wire management systems



Halogen Lamp

This 12-page brochure introduces a new product, "Capsylite" PAR lamps. This lamp offers a wide selection of beam patterns, better beam control, and a more even distribution of light. Each lamp is described and beam spread diagrams and specifications are provided. GTE Sylvania. 395



Lighting Controls

This 45-page color catalog highlights lighting control systems that can dim virtually any light source. Infrared wireless, wallbox controls and accessories, modular systems, and prepack systems are all photographed and described. Controls come in a variety of styles and color. Lutron. 399



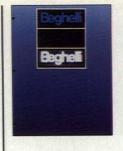
Poke-Through Outlets

These poke-through outlets, for electrical, power, and communications cables, have fire ratings of up to four hours and will virtually eliminate smoke spread. The multi-page foldout brochure provides a clear diagram of this below-floor unit and information on accessories. Thomas & Betts. 396



Lighting Update

Italian-designed table, floor, wall, and ceiling fixtures are featured in this 60-page fullcolor catalog. Each fixture is well photographed and briefly described and dimensioned, and lamp and reflector data is provided. Artemide. 400



Emergency Lights

Italian designed and manufactured, each product has simple clean lines that conceal electronic components. The 24page color brochure covers lighting fixtures, handlamps, and energy saving fixtures. Illustrations, details, technical data, and specifications are provided. Beghelli. 393



Lighting Controls

Wire Management

"Systems for Industrial and

duct, surface-mounted, and

Commercial Applications" is a

49-page guide to trench, floor-

wall-duct supply systems. Each

system is described and compo-

nents and accessories, specifica-

tions, and installation instruc-

tions are provided, along with

details. American Electric. 401

The "Style Line" series of switches, dimmers, receptacles, and communication outlets are described in this 17-page product information guide. Specifications and electrical information are included, as well as photographs of the various control products. Hubbel. 397



Lighting

Several catalogs are published by this company, each featuring a specific type of lighting fixture. This collection of handcrafted lighting includes floor, table, recessed, pendant, wall, ceiling, and outdoor fixtures. The literature features fullpage photographs, descriptions, and other information. IPI. 394



Commercial Fixtures

recessed fixtures are designed to be compatible with standard ceiling grids. An easy-to-use binder, indexed by fixture type, provides comprehensive product information, including photometric charts and application ideas. Zumtobel. 398

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Lighting and Electrical Equipment

These surface-mounted and



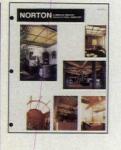
Track Lighting

A variety of cylinders, gimbal lampholders, and other fixtures are available for general, accent, and task lighting in residential or commercial applications. All fixtures have a highly reflective, specular white interior finish for optimum lighting efficiency and a black baffle to reduce eye strain. Con-Tech. 402



Prismatic Lighting

Interior lighting for large open areas, such as malls and lobbies. are highlighted in this fourpage brochure. The literature claims that efficient HID lamps combined with energy-efficient ballasts provide the most usable light per watts consumed. Holophane. 403



Luminous Ceilings

Luminous ceiling fixtures are designed to enhance the appearance of the ceiling and the overall look of the room. Louvers, available in wood, aluminum, and plastic, as well as coffers, baffles, and mirrored surfaces, are illustrated and described in this multi-page brochure. Norton. 407



Wire Management

This extensive 140-page guide to electrical components and accessories represents only some of the items available from this company. Among the many products listed are those for modular furniture, wiring closets, and cable systems. Also included in the guide is a helpful glossary of terms. AMP. 404



Sconces

Ceramic sconces, providing indirect glare-free lighting, are the only fixtures manufactured by this company. Sconces are available in a variety of shell, cone, cylinder, and other shapes. The literature includes fixture dimensions and wiring information. Justice. 405



Access Floor Unit

"Floor-Mate" is an all-metal diecast steel electric outlet unit that is designed to resist impact and piercing. The unit includes a patented cable exit that protects wires from accidental shearing or damage. The fourpage leaflet provides installation advice. Raceway. 406



Lighting Fixtures

There is a wealth of information in this 44-page catalog of lighting fixtures. Color coded to ease the selection of products, the catalog contains a photograph of each fixture, along with data on its finishes, lamps, and dimensions. A useful index is on the back cover. NuTone, 410



Wiring Devices.

This multi-page fold-out brochure introduces "TLC", a low voltage switching system for lighting. The system can be fully automated, user directed, or a combination of both. Wiring between switches and relay panels can run above the ceiling, thus eliminating conduits. GE. 411



Track Lighting

Tracks for this lighting system

can be suspended by wires or

attached to the ceiling. A vari-

ety of connector shapes allows

ations. Tracks and fixtures

come in several colored and

plain metallic finishes; prices

multi-page brochure. Flos. 408

for all items are included in the

for virtually unlimited configur-

Interior Lighting Fixture Inconspicuous lighting fixtures is this company's specialty. Called the "little inch" because of its narrow dimension, these fixtures, designed for use beneath cabinets or shelves, provide task lighting or can accent a surface. Fixtures are available with fluorescent or incandescent lamps. Alkco. 412



Electrical Conduit

This four-page leaflet pictures,

briefly describes and dimen-

sions jacketed metallic, non-

jacketed metallic, and non-me-

tallic flexible electrical conduits.

Conduits are also available in a

variety of colors. More detailed

information can be supplied by

requesting additional catalogs.

Cold Cathode Lighting

This versatile lighting, available in 18 mercury and 7 neon colors, can be fabricated to any shape and size, allowing the light to conform to the design. Long lamp life results in reduced maintenance and, unlike a hot cathode lamp, these dim uniformly, eliminating flickering. National Cathode. 413



Classic Fixtures

Brass, copper, and aluminum pendant fixtures suitable for residential and commercial applications are featured in this 23-page brochure. Lacquered finishes are applied to protect and preserve the appearances of each fixture. Also available are indirect fixtures with HID lamps. Art Directions. 414

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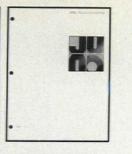
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Lighting Control System

This brochure describes "Lite-Touch 2000", a microprocessor-based lighting control system that permits virtually complete lighting flexibility. The system can be connected to security systems and also can be operated from touch-tone phones. **LiteTouch**. 461



Recessed Lighting

This comprehensive 70-page color brochure covers virtually every type of recessed lighting: general, accent, wall-wash, and task. A separate page is devoted to each fixture and information on lamps, reflectors, housing details, optional trims, and photometric data are provided. **Juno.** 462



Industrial Lighting

Lighting for warehouses, clean rooms, and food processing areas are just a few of the applications discussed in this very instructive 170-page handbook. In addition to the detailed product information, the handbook also provides definitions of lighting terminology and much more. **Guth.** 463



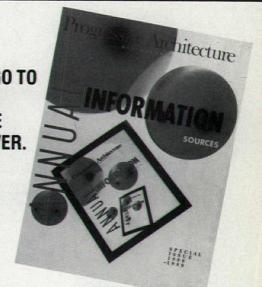
Dimmers & Fan Controls

Touch, slide, toggle, and rotary dimmers are detailed in this 12-page brochure, along with maximum wattage ratings, and brief product descriptions. Also featured is the "Luma VI", a single control device that provides dimming functions with preset capabilities for six circuits. **Pass & Seymour.** 464

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Office Equipment and Services

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Software

According to the literature, "AutoCAD" is the most widely used design software in the world, with applications in appliances, consumer products, and foodservice, as well as architecture. The software also enables three-dimensional designing. **Autodesk.** 417



Filing Cabinet

"Econoline", a plan file cabine that opens from the top, saves floor space when compared to flat file drawers. Information can be easily retrieved or added to folders without removal from the cabinet. The design keeps drawings flat and smooth and cabinet protects files from water. **Ulrich.** 421



Flatbed Plotters

Flatbed plotters can use a greater variety of paper types than paper-moving plotters, including plotter paper, coated paper, drafting film, tracing paper, and others. This informative four-page brochure explains other features of this plotter, including automatic pen control. **Roland** 418



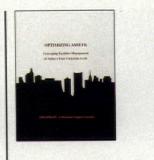
CAD Software

This company specializes in integrated CAD programs forbuilding, plant, and mechanical designs. The programs permit rapid movement between disciplines, such as HVAC, plumbing, structural, and electrical. Training seminars and video tapes are available to aid in using these products. **ASG**. 422



Drafting Supplies

Virtually everything needed from technical pens and computer supplies to drafting tables can be found at discount prices in this comprehensive 65-page catalog. All items can be mail or phone ordered and the company promises same-day shipping. **Dataprint.** 415



Management Services

"Drawbase" is an integrated database used by building designers and managers to generate information on cost estimates, return on equity, lease status, material counts, and asset inventories. In addition, it can be used for space planning and space accounting. **CADworks.** 419



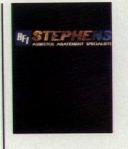
Insurance

This company's program of professional liability insurance for architects and engineers is described in this three-page fold-out brochure. Education programs that can lead to reduced premiums are available. **Design Professionals Insurance Company.** 423



Drafting Materials

Technical pens and ink, lettering devices, templates, portable drawing boards, squares, triangles, and curves, and erasers of all kinds are among the many products featured in this 32page catalog. Also included in the catalog is a description of ink-on-film drafting. **Koh-I-Noor**, 416



Asbestos Abatement

This company provides individualized asbestos abatement services to meet specific needs and strictly adheres to all safety regulations. In addition to asbestos removal, other services include re-insulating, and respraying fireproofing, and coordinating waste disposal. **BFI/Stephens.** 420



Design Software

According to the literature, Apple-compatible "Dreams" is a precision drawing and drafting program that is easy to use and allows designers to think more about design and less about the computer. It can create scaled drawings as well as illustrations for presentations.

Innovative Design Data. 424



Code Software

The literature claims "Codebuster" reduces the time spent on building code research by excluding requirements that are not applicable to a specific project. The program presents a series of questions that, when answered, will tell the designer whether the project meets the code. **Architech.** 425



Computer Graphics

This company offers illustrated case studies of how users have applied its computer system to common problems faced by architects. One case study discusses the use "Project Architect" and "ModelView" software to communicate a complicated design to a client. **Intergraph.** 429



Asbestos Containment

According to this four-page brochure, if asbestos is in good condition it does not need to be removed but can be wrapped. An easy-to-apply fiberglass wrap, molds to virtually any shape, angle, or size. Applications and other information is provided. **3M**. 426



Books

A 15-page catalog lists 60 newly published and standard reference books, covering topics of interest to architectural professionals including design, building, and management. Books may be examined free of charge for 15 days and mail and phone orders are accepted. John Wiley & Sons. 430



Louver Software This spec-sheet introduces "Louvercad", a program of drawings and details for dampers, louvers, and related items. The standard detail can be reduced, flipped, rotated, and further modified to meet exact specifications and lettering can be added or deleted. Airstream. 433



Plotter Supplies

This 24-page catalog features a comprehensive range of plotting tools such as disposable liquid inkpens, refillable liquid ink plotter points, inks, adaptors, and much more. Products are illustrated and described, and a table of tips for troublefree plotting is included. **Staedtler**. 434



Software

The "Vertex Detailer" provides 25,000 pre-drawn building components that can be combined to create building details. The 6-page brochure describes the program and includes sample details. A typical detail is analyzed to illustrate relative line weights, notes, title blocks, and other features. **Vertex.** 427



Plotters

Technical information on this company's line of laser monochrome plotters is presented in this brochure. It features a discussion of the plotters' capabilities and a listing of its specifications. Ordering information is also given, along with samples of the plotters' output. **Versatec.** 431



Blueprinters

Single lamp, portable, table, and wall-mounted models, andsix-lamp production printers are featured in this brief catalog. Each model is described and priced. In addition, accessories such as roll boxes, feedboard extensions, and ammonia arrestors are also available. **Diazit** 435



Asbestos Tile

Rather than removing vinyl asbestos tiles, this company has developed an encapsulation process that meets EPA standards. The two-step process involves locking in the asbestos fibers and then applying an underlayment. The literature briefly describes the product and its benefits. **Gyp-Crete**. 428



Filing Systems

Any storage equipment can be mobilized and transformed into a high-density system that maximizes capacity by stacking equipment together when not in use, thereby eliminating nonproductive aisles. A multi-page fold-out brochure illustrates applications. **Spacesaver**. 432



Pen Plotters

These pens can reduce plotting time by achieving a speed of 42 inches-per-second and by minimizing pen changes and movement. A multi-page pullout brochure includes sample drawings and describes the efficiency, flexibility, and durability of these pens. **CalComp.** 436

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Books

Office Equipment and Services

Books included in this 48-page catalog range in subject from treatment of great works of architecture and building functions to treatises in architectural technology. The majority of the titles originated in England, where this company is the largest publisher of architectural books. Butterworth. 465



Facilities Software

This facilities management software for the Macintosh has advanced modeling features such as rapid movement from 2 to 3D images, tearoff panels for routing systems, and automatic database listing and report generation. This 4-page brochure includes photographs of the software as it appears on the screen. Schlumberger. 466

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Drafting Supplies

The 24 pages of this catalog includes a variety of supplies for architects and designers. Pens, pencils, paper, computers, desks, chairs, files, lamps, portfolios, and attache cases are just some of the items illustrated. Dimensions and prices of all items also are given. Charrette, 467



Still Video Transceiver

The "SV9610" transceiver sends and receives high quality still color video images that can be simultaneously sent to multiple locations. The transceiver also automatically switches from voice to data mode, eliminating the need for a dedicated telephone line. Kodak. 468



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