

# PA

PROGRESSIVE  
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# Progressive Architecture Information Sources 1992-93

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This issue is dedicated to the memory of Kenneth Labs.

## Professional Information

### 5 Design and Practice

Codes, Computers, Construction Management, Cultural Facilities, Design and Planning Education, Educational Facilities, Elderly Design, Environment, Environmental Psychology, Facility Management, Graphic Design, Health Care Facilities, Housing, Industrial Design, Industrial Facilities, Interior Design, Justice Facilities, Landscape Architecture, Law, Marketing, Offices/Office Buildings, Photography, Planning, Practice Management, Presentations, Preservation and Restoration, Project Management, Recreational Facilities, Registration, Religious Buildings, Restaurants and Hotels, Transportation Facilities, Urban Design, Women and Minorities in Architecture

### 9 Technics

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## How to Use this issue

— The professional information is organized within three broad headings (Design and Practice, Technics, and References), and each includes organizations (name, address, phone) and references (articles, books).

— The Technics listings appear in two parts. The first deals with design issues of a technical nature, while the second deals with building materials and is also organized according to CSI's MasterFormat divisions. Listings in the first part describe principles, theory, methods, and recommended practices for the design and detailing of systems and assemblies. Listings in the second part describe selection and specification criteria for building materials, manufactured systems, and other hardware.

— Commercial publishers and organizations that publish and distribute information in many fields are given in the accompanying References section. In the Technics section organizations with specialized interests regarding building materials are listed in the "narrowest scope" category that applies, and are abbreviated only under that section.

— The manufacturers' literature is grouped according to the Construction Specifications Institute's MasterFormat Divisions, in numerical order.

— We update this issue annually, but with the amount of information contained here, it is easy to overlook organizations and individual publications that readers may find helpful. We welcome suggestions for such information. Fax these to the Information Sources Editor at (203) 348-4023.

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

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(703) 931-4533

**International Conference of Building Officials (ICBO)**  
5360 South Workmen Mill Rd.  
Whittier, CA 90601  
(310) 699-0541

**National Conference of States on Building Codes and Standards (NCSBCS)**  
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Herndon, VA 22070  
(703) 437-0100

**Southern Building Code Congress International (SBCC)**  
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Birmingham, AL 35213-1206  
(205) 591-1853

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(212) 869-7440

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College of Architecture and Environmental Design  
Arizona State University  
Tempe, AZ 85287-1905  
(602) 965-1344

**Independent Computer Consultants Association (ICCA)**  
933 Gardenview Office Parkway  
St. Louis, MO 63141  
(314) 997-4633

**National Computer Graphics Association (NCGA)**  
2722 Merrilee Dr., Suite 200  
Fairfax, VA 22031  
(703) 698-9600

**International Reprographic Association (IRGA)**  
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Oak Brook, IL 60521  
(708) 571-4685

## CONSTRUCTION MANAGEMENT

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(703) 391-1200

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928 Bascom Mall, Music Hall  
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Waterloo, Ontario N2L 3G1  
(519) 888-4544

**Commonwealth Board of Architectural Education (CBAE)**  
c/o Commonwealth Association of Architects  
66 Portland Place  
London, W1N 4AD, England  
01-636-8276

**Foundation for Interior Design Education Research (FIDER)**  
60 Monroe Center, NW, 3rd Floor  
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(202) 783-2007

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Yale University School of Medicine  
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(203) 785-4667

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Columbus, OH 43221  
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Washington, DC 20004-2037  
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### Organizations

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Nashville, TN 37204  
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Minneapolis, MN 55455  
(612) 624-0066

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**American Hospital Association (AHA)**  
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(202) 857-1162

**US Department of Health and Human Services/ Division of Health Facilities Planning (HHS/DHFP)**  
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Parklawn Building  
Rockville, MD 20857  
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College Station, TX 77843-3137  
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**American Society of Home Inspectors (ASHI)**  
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**Department of Housing and Urban Development (HUD)**  
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Washington, DC 20410  
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**National Association of Home Builders (NAHB)**  
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**Institute of Business Designers (IBD)**  
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Laurel, MD 20707  
(301) 206-5100

**American Jail Association (AJA)**  
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Hagerstown, MD 21740  
(301) 790-3930

**Federal Bureau of Prisons, Facilities Development Division (FBP/FDD)**  
500 First St., NW, Room 800  
Washington, DC 20534  
(202) 514-6460

**National Criminal Justice Reference Service**  
PO Box 6000  
Rockville, MD 20850  
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Chicago, IL 60601  
(312) 372-7090

**American Society of Landscape Architects (ASLA)**  
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Washington, DC 20008  
(202) 686-2752

**Canadian Society of Landscape Architects (CSLA)**  
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Ottawa, Ontario K1P 5P9  
(613) 232-6342

**Concrete Paver Institute (CPI)**  
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Herndon, VA 22071-3406  
(703) 713-1900

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(212) 484-4000

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Bethlehem, PA 18015  
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**Office Planners and Users Group (OPUG)**  
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## PRACTICE MANAGEMENT

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**Professional Services Management Association (PSMA)**

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Charlotte, NC 28209  
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**Society of Architectural Administrators**

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**American Design Drafting Association**

PO Box 799  
Rockville, MD 20848-0799  
(301) 460-6875

**American Society of Architectural Perspectivists (ASAP)**

320 Newbury St.  
Boston, MA 02115  
(617) 846-4766

**Architectural Model Makers of New York (AMNY)**

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New York, NY 10012  
(212) 226-2404

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1735 New York Ave., NW  
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**American Institute for Conservation (AIC)**

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(202) 232-6636

**Association for Preservation Technology (APT)**

PO Box 8178  
Fredericksburg, VA 22404  
(703) 373-1621

**Campbell Center for Historic Preservation Studies**

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**Center for Architectural Conservation**

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**Historic Preservation Education Foundation (HPEF)**

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(301) 454-3979

**Office of Park Historic Architecture/National Park Service (OPHA/NPS)**

800 North Capital St., NW, Room 360  
Washington, DC 20402  
(202) 343-8146

**Preservation Action**

1350 Connecticut Ave. NW, Suite 401  
Washington, DC 20036  
(202) 659-0915

## PROJECT MANAGEMENT

### Organizations

**Project Management Institute (PMI)**

4 Woodland Ave.  
Drexel Hill, PA 19026  
(215) 622-1796

## RECREATIONAL FACILITIES

### Organizations

**National Recreation and Park Association (NRPA)**

2775 South Quincy St., Suite 300  
Arlington, VA 22206  
(703) 820-4940

## REGISTRATION

### Organizations

**Architectural License Seminar (ALS)**

Box 64188  
Los Angeles, CA 90064  
(213) 208-7112

**Council of Landscape Architectural Registration Boards (CLARB)**

12700 Fair Lake Circle, Suite 110  
Fairfax, VA 22033  
(703) 818-1300

**Institute of Design and Construction (IDC)**

141 Willoughby St.  
Brooklyn, NY 11201-5380  
(718) 855-3661

**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 East 25th St.  
New York, NY 10010  
(212) 473-1188

**The Registration Institute**

2600 Bantry Bay Dr.  
Tallahassee, FL 32308  
(904) 668-2040

## RELIGIOUS BUILDINGS

### Organizations

**Interfaith Forum on Religious, Art and Architecture (IFRAA)**

1777 Church St., NW  
Washington, DC 20036  
(202) 387-8333

## RESTAURANTS AND HOTELS

### Organizations

**American Hotel and Motel Association (AHMA)**

1201 New York Ave. NW, Suite 600  
Washington, DC 20005-3931  
(202) 289-3100

**National Restaurant Association (NRA)**

1200 17th St., NW  
Washington, DC 20036  
(202) 331-5900

## TRANSPORTATION FACILITIES

### Organizations

**American Public Transit Association (APTA)**

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

**American Road and Transportation Builders Association (ARTBA)**

501 School St. SW, 8th Floor  
Washington, DC 20024  
(202) 488-2722

**Eno Foundation for Transportation (EFT)**

PO Box 2055  
270 Saugatuck Ave.  
Westport, CT 06880  
(203) 227-4852

**Federal Aviation Administration (FAA)**

800 Independence Ave., SW  
Washington, DC 20591  
(202) 267-3111

**Federal Railroad Administration (FRA)**

400 7th St., SW  
Washington, DC 20590  
(202) 366-0881

**Institute of Transportation Engineers (ITE)**

525 School St., SW, Suite 410  
Washington, DC 20024  
(202) 554-8050

**National Parking Association (NPA)**

1112 16th St. NW, Suite 300  
Washington, DC 20036  
(202) 296-4336

**Transportation Research Board (TRB)**

2101 Constitution Ave., NW  
Washington, DC 20418  
(202) 334-2934

## URBAN DESIGN

### Organizations

**AIA Regional and Urban Design Committee (AIA/RUDC)**

1735 New York Ave., NW  
Washington, DC 20006  
(202) 626-7452

**Institute for Urban Design (IUD)**

c/o Ann Ferebee  
4253 Karensue Ave.  
San Diego, CA 92122  
(619) 455-1251

**Waterfront Center (WC)**

1536 44th St., NW  
Washington, DC 20007  
(202) 337-0356

## WOMEN AND MINORITIES IN ARCHITECTURE

### Organizations

**AIA Minority Resources Committee**

1735 New York Ave., NW  
Washington, DC 20006  
(202) 626-7539

**AIA Women in Architecture Program (AIA/WIA)**

1735 New York Ave., NW  
Washington, DC 20006  
(202) 626-7305

**Association for Women in Architecture (AWIA)**

c/o Joanne Jackson  
2711 Anchor Ave.  
Los Angeles, CA 90064  
(213) 837-6727

**California Women in Environmental Design (CAWED)**

c/o Sigrid Rupp  
SLR Architects  
1935 University Ave  
East Palo Alto, CA 94303  
(415) 328-6559

**Collaboration of Women in Architecture (C-WIA)**

c/o Nan Josephson  
Frewen Architects  
115 East Gregory Blvd.  
Kansas City, MO 64114  
(816) 444-2955

**Howard University Women in Architecture and Planning (HUWIAP)**

c/o Kathryn Tyler Pigmore  
Howard University  
School of Architecture and Planning  
Washington, DC 20059  
(202) 806-7486

**National Organization of Minority Architects (NOMA)**

c/o Robert Easter  
700 Main St., Suite 1600  
Richmond, VA 23219  
(804) 788-0338

**Organization of Women Architects and Design Professionals (OWADP)**

c/o Mui Ho  
PO Box 26570  
San Francisco, CA 94126  
(510) 644-2600

**Union Internationale des Femmes Architectes (UIFA)**

c/o Fani Hansen, AIA  
PO Box 868  
Tiburon, CA 94920  
(415) 435-5767

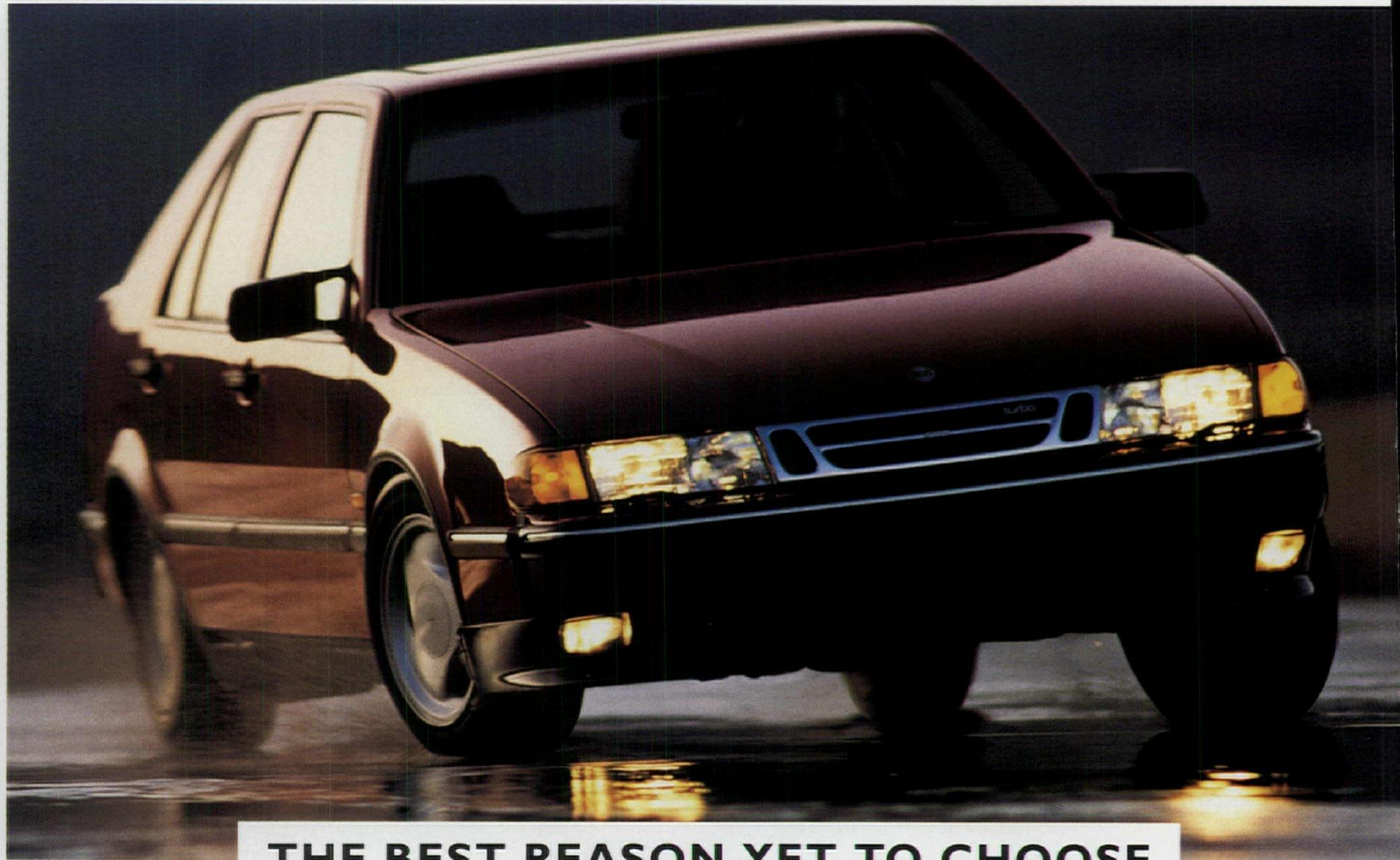
**Women and Architecture Association (WAA)**

c/o Sherry Ahrentzen  
School of Architecture and Urban Planning  
The University of Wisconsin Milwaukee  
PO Box 413  
Milwaukee, WI 53201  
(414) 229-4014

**Women in Design (WID)**

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## ACCESSIBILITY

### Organizations

#### Americans with Disabilities Act Information Office

U.S. Department of Justice  
Civil Rights Division  
P.O. Box 66738  
Washington, DC 20035-998  
(202) 514-0301

#### The Center for Accessible Housing (CAH)

School of Design  
North Carolina State University  
Box 8613  
Raleigh, NC 27695  
(919) 515-3082

#### Institute for Technology Development

Advanced Living Systems Division  
428 N Lamar Blvd.  
Oxford, MS 38655  
(601) 234-0158

#### Office of Fair Housing and Equal Opportunity (FHEO/HUD) U.S. Department of Housing and Urban Development

Accessibility Guidelines Staff  
451 7th St. SW  
Washington, DC 20410  
(202) 401-1247

### References

"Access for the Disabled, Part I, II, III," P/A, July 1992, pp. 41-42; Aug. 1992, pp. 35-36; Sept. 1992, pp. 45-46.  
*Accessibility Guidelines: Design and Construction Requirements of the Fair Housing Amendments Act of 1988*, CAH, 1992, 80 slides.  
*ADA Accessibility Guidelines*, ADA Information Office, 1991, 151 pp.  
*ADA Compliance Guidebook: A Checklist for Your Building*, Building Owners and Managers Association International, Washington, DC (202) 408-2662, 1991, 88 pp.  
*Americans with Disabilities Act Facilities Compliance Notebook*, E. Terry Associates, J. Wiley, 1992, looseleaf. ANSI A117.1  
*Providing Accessibility and Usability for Physically Handicapped People*, ANSI (see Materials and Material Standards), 1986, 84 pp.

## ACOUSTICS

### Organizations

#### Acoustical Society of America (ASA)

500 Sunnyside Blvd.  
Woodbury, NY 11797  
(516) 349-7800

#### Audio Engineering Society (AES)

60 East 40th St.  
NY, NY 10165  
(212) 661-8528

#### Concert Hall Research Group

c/o Timothy J. Foulkes  
327 F Boston Post Road  
Sudbury, MA 01776  
(508) 443-7871

#### National Council of Acoustical Consultants (NCAC)

66 Morris Ave.  
P.O. Box 359  
Springfield, NJ 07081  
(201) 379-1100

### References: Room Acoustics

*Acoustic Techniques for Home and Studio*, 2nd ed., F. Everest, TAB Books, 1984, 344 pp.  
*Acoustical Designing in Architecture*, V. Knudsen and C. Harris, ASA, 1980, 408 pp.  
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*Acoustical Uses For Perforated Metals*, T. Shiltz, Industrial Perforators Association (see 05000), 1986, 77 pp.  
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*The Master Handbook of Acoustics*, 2nd ed., F. Everest, TAB Books, 1989, 366 pp.  
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*Principles and Applications of Room Acoustics*, L. Cremer, H. Muller, T. Schultz, Elsevier Science Publishing, 1982, 2 vol., 1121 pp. total.  
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*ROOMODES* (PC DOS software), McKay Conant Brook, Inc., Westlake Village, CA (818) 991-9300.

### References: Sound Isolation

*Catalog of STC and IIC Ratings for Wall and Floor/Ceiling Assemblies*, R. Dupree, Office of Noise Control, Calif. Dept. of Health Services, Berkeley (415) 540-2604, 1981, 162 pp.  
*Controlling Sound Transmission into Buildings*, J. Quirt, BPN 56, NRCC, 1985, 36 pp.  
*How to Reduce Noise Transmission between Homes (Apartments)*, A. Warnock, BPN 44, NRCC, 1983, 20 pp.  
*Handbook of Architectural Acoustics and Noise Control*, M. Rettinger, TAB Books, 1988, 247 pp.  
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"Sound Isolation," Ch. 4, Architectural Acoustics, M.D. Egan, McGraw-Hill, 1988, pp. 171-273.  
"Sound Isolation in Floors," P/A, Mar. 1991, pp. 121-124.

### References: Building Types

*Acoustical Design of Music Educational Facilities*, E. McCue and R. Talaske, ASA, 1990, 236 pp.  
*Acoustics of Worship Spaces*, D. Lubman and E. Wetherill, ASA, 1985, 91 pp.  
*Halls for Music Performance*, R. Talaske et al., ASA, 1982, 192 pp.  
"Office Acoustics," P/A, Sept. 1992, pp. 38-42.  
*Theatres for Drama Performance*, R. Talaske and R. Boner, eds., ASA, 1987, 167 pp.

## BUILDING DOCUMENTATION

### References

*Building Surveys*, H. Stanley and P. Glover, Butterworth, 1990, 266 pp.  
*Guide to Recording Historic Buildings*, International Council on Monuments and Sites (ICOMOS), Butterworth, 1990, 80 pp.  
*Manual for the Preparation of "As Found" Drawings*, R. Patterson, Technical Paper Series 3, British Columbia Heritage Trust, Parliament Buildings, Victoria, B.C. V8V 1X4, (604) 356-1046, 1982, 20 pp.  
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*Surveying an Older House: Inspection Checklist*, C. Strelka, Building Practice Note 47, NRCC, 1984, 13 pp.

## BUILDING ECONOMICS

### References

*ASTM Standards on Building Economics*, 2nd ed. (compilation of standards produced by ASTM Subcommittee E 06.81), ASTM, 1992, 160 pp.  
*Building Economics: Theory and Practice*, R. Ruegg and H. Marshall, V.N. Reinhold, 1990, 486 pp.  
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*Life-Cycle Costing Manual for the Federal Energy Management Program*, R.T. Ruegg, HB 135, National Institute of Standards and Technology, Gaithersburg, MD, 1987, 267 pp.  
*Maintenance, Repair, and Replacement Data Base for Life-Cycle Cost Analysis (LCCA): A User's Guide to the Computer Program*, Adjunct to ASTM Standards E 917, E 964, E 1057, E 1074, and E 1121, ASTM, 1992.  
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*The NIST "Building Life-Cycle Cost" (BLCC) Program User's Guide and Reference Manual*, S. Petersen, NISTIR 4481, NTIS, 1991, 43 pp., MS DOS disk.  
*Pay Now or Pay Later: Controlling Cost of Ownership from Design Throughout the Service Life of Public Buildings*, Building Research Board, National Academy Press, Washington, DC (800) 624-6242, 1991, 70 pp.  
*Techniques for Treating Uncertainty and Risk in the Economic Evaluation of Building Investments*, H.E. Marshall, SP 757, NIST, available from NTIS, 1988, 84 pp.

## BUILDING SAFETY

### Organizations

#### American Society of Safety Engineers (ASSE)

1800 E. Oakton St.  
Des Plaines, IL 60016  
(708) 692-4121

#### Board of Certified Safety Professionals

208 Burwash Ave.  
Savoy, IL 61874  
(217) 359-9263

#### Institute for Technology Development

428 North Lamar Blvd.  
Oxford, MS 38655  
(601) 234-0158

#### National Safety Council (NSC)

1121 Spring St.  
Itasca, IL 60143  
(708) 285-1121

#### Occupational Safety and Health Administration (OSHA)

200 Constitution Ave.  
Washington, DC 20210  
(202) 523-8148

### References

*Accident Prevention for Hotels, Motels, and Restaurants*, R. Kohr, V.N. Reinhold, 1991, 340 pp.  
"Controlled Slip Resistance," P/A, Mar. 1991, pp. 112-116.  
*Guidelines for Stair Safety*, J. Archea, B. Collins, F. Stahl, NBS Building Science Series 120, #PB 298787, NTIS, 1979.  
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*Safety Code for Elevators and Escalators*, ASME A17.1-1990, American Society of Mechanical Engineers, New York (212) 605-3333, 350 pp.  
"Slip Resistance and the Designer," P/A, July 1991, pp. 45-48.  
*The Staircase: Studies of Hazards, Falls, and Safer Design*, vol. 2, J. Templer, MIT Press, 1992, 216 pp.

## BUILDING SCIENCE

### Organizations

#### AIA/ACSA Council on Architectural Research (AIA/ACSA)

c/o Association of Collegiate Schools of Architecture  
1735 New York Ave. NW  
Washington, DC 20006  
(202) 785-2324

#### Building Research Establishment (BRE)

Garston, Watford  
Herts WD2 7JR  
United Kingdom  
011 44 92 389-4040

#### Canada Mortgage and Housing Corporation (CMHC)

Canadian Housing Information Centre  
700 Montreal Road  
Ottawa, Ontario K1A 0P7  
(613) 748-2367

#### Institute for Research in Construction/National Research Council Canada (NRCC)

Ottawa, Ontario K1A 0R6 Canada  
(613) 993-2463

#### International Council for Building Research Studies and Documentation (CIB)

U.S. office c/o J.G. Gross  
Building and Fire Research Laboratory  
National Institute of Standards and Technology  
Bldg. 226, Room B250  
Gaithersburg, MD 20899  
(301) 975-5902



**National Institute of Standards and Technology (NIST)**  
Building and Fire Research Laboratory  
Bldg. 226, Room B216  
Gaithersburg, MD 20899  
(301) 975-6850

**National Institute of Building Sciences (NIBS)**  
1201 L Street NW  
Washington, DC 20005  
(202) 289-7800

#### References

*Architectural Details for Insulated Buildings*, R. Brand, V. N. Reinhold, 1990, 238 pp.  
*Building Failures: A Guide to Diagnosis, Remedy and Prevention*, L. Addleson, Butterworth, 1989, 167 pp.  
*Building Research Journal*, SHC-BRC, semi-annual refereed journal, Small Homes Council-Building Research Council (see Light Frame Construction).  
*Building Science for a Cold Climate*, N. Hutcheon and G. Handegord, Construction Technology Center, Frederickton, New Brunswick (506) 453-5000, 1983, 440 pp.  
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*Envelope Design Guidelines for Federal Office Buildings: Thermal Integrity and Air Tightness*, NIST for the General Services Administration, #PB91-112839, NTIS, 1992, 85 pp.  
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*The Science and Technology of Building Materials*, H. Cowan and P. Smith, V. N. Reinhold, 1988, 213 pp.  
*Walls, Windows and Roofs for the Canadian Climate*, J. Latta, NRCC 13487, NRCC, 1973, 111 pp.  
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## CLADDING

#### References

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*Cladding*, Council on Tall Buildings and Urban Habitat, McGraw-Hill, 1992, 224 pp.  
*Cracks, Movements, and Joints in Buildings*, NRCC 15477, NRCC, 1976, 194 pp.  
*Exterior Claddings on High Rise Buildings*, proceedings, CCHRB (see High Rise Construction), 1990, 394 pp.  
"Exterior Wall Sealant Joint Design," P/A, Nov. 1991, pp. 121-125.  
*Exterior Wall Systems*, STP 1034, ASTM, 1991, 234 pp.  
*Exterior Walls: Understanding the Problems*, NRCC 21203, NRCC, 1983, 63 pp.  
*Facts and Fictions of Rain Screen Walls*, M. Rousseau, NRCC 32332, NRCC, 1990, 8 pp.  
*Movement Control in the Fabric of Buildings*, P. Rainger, Batsford Academic and Educational Ltd., P.O. Box 4, Braintree, Essex CM7 7QY, Great Britain, 1983, 216 pp.  
*Rainscreen Cladding*, J. Anderson and J. Gill, Butterworths, 1988, 105 pp.  
"The Rain Screen Wall," P/A, Aug. 1990, pp. 47-52.  
"Repairing Early Curtain Walls," P/A, Feb. 1992, pp. 123-126.

## FIRE PROTECTION

#### Organizations

**Fire Equipment Manufacturers' Association (FEMA)**  
1230 Keith Building  
Cleveland, OH 44115  
(216) 241-7333

**Fire Research Section (FRS/NRCC)**  
National Research Council Canada  
Ottawa, Canada K1A 0R6  
(613) 993-2204

**National Fire Protection Association**  
1 Batterymarch Park  
Quincy, MA 02269  
(800) 344-3555  
(617) 770-3000

**Society of Fire Protection Engineers (SFPE)**  
One Liberty Square  
Boston, MA 02109-4825  
(617) 482-0686

**Building and Fire Research Laboratory**  
NIST  
Bldg 226 Rm B216  
Gaithersburg, MD 20899  
(301) 975-6850

**Factory Mutual Engineering Corp. (FM)**  
1151 Boston-Providence Turnpike  
Norwalk, MA 02062  
(617) 762-4300

**Underwriters Laboratory (UL)**  
333 Pfingsten Rd  
Northbrook, IL 60062  
(708) 272-8800

**Underwriters Laboratories of Canada (ULC)**  
7 Crouse Rd.  
Scarborough, Ontario M1R 3A9 Canada  
(416) 757-3611

#### References

*Approval Guide*, P7825, Factory Mutual, updated annually, over 900 pp.  
*Building Material Directory*, Underwriters Laboratories, updated annually, over 1000 pp.  
*Fire Code Summary*, Architectural Woodwork Institute (see 06200), 1986, 36 pp.  
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*The SFPE Handbook of Fire Protection Engineering*, DH-HFPE-88, NFPA, 1988, 844 pp.

## FOUNDATIONS

#### Organizations

**ASFE/The Association of Engineering Firms Practicing in the Geosciences (ASFE)**  
8811 Colesville Rd  
Suite G106  
Silver Spring, MD 20910  
(301) 565-2733

**Deep Foundations Institute (DFI)**  
Box 281  
Sparta, NJ 07871  
(201) 729-9679

**Underground Space Center (UGSC)**  
University of Minnesota  
500 Pillsbury Drive SE  
Minneapolis, MN 55455  
(612) 624-0066

#### References

*Basement and Foundation Walls*, TR68A (see 04200), 1975, 82 pp.  
*Building Foundation Design Handbook*, K. Labs, J. Carmody, et. al., UGSC, 1988, 349 pp.  
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*Concrete Floor Flatness and Levelness*, Compilation 9, ACI (see 03000), 1990, 60 pp.  
*Concrete Floors on Ground*, EB075, PCA (see 03000), 1990, 40 pp.  
*Concrete Slabs on Grade: Design, Specification, Construction, and Problem Resolution*, SCM 25, ACI (see 03000), 1992, 80 pp.  
*Design and Construction of Concrete Slabs on Grade*, SCM 11, ACI (see 03000), 1986, 185 pp.  
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*Guide for Concrete Floor and Slab Construction*, 302.1R, ACI (see 03000), 1989, 45 pp.  
*Guide to Residential Cast-in-Place Concrete Construction*, 332R, ACI (see 03000), 1984, 38 pp.  
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*Joints in Walls Below Ground*, CR059T, PCA (see 03000), 1982, 14 pp.  
*Permanent Wood Foundation System Manual*, NFPA (see 06000), 1987, 98 pp.  
*Simplified Design of Building Foundations*, J. Ambrose, J. Wiley, 1981, 338 pp.  
"Slabs for All Seasons," P/A, February 1991, pp. 30-36.  
*Residential Concrete*, NAHB Bookstore, 1983, 71 pp.

## HIGH RISE CONSTRUCTION

#### Organizations

**Chicago Committee on High Rise Buildings**  
c/o John Zils  
Skidmore Owings & Merrill  
223 South Michigan Ave  
Chicago, IL 60604  
(312) 641-5959

**Council on Tall Buildings and Urban Habitat (CTBUH)**  
Lehigh University, Bldg. 13  
Bethlehem, PA 18015  
(215) 758-4602

**American Society of Civil Engineers (ASCE)**  
Tall Buildings Committee  
345 E. 47th St.  
New York, NY 10017  
(212) 705-7229

#### References

*High Rise Buildings: Recent Progress*, CTBUH, 1986, 310 pp.  
*Second Century of the Skyscraper*, V.N. Reinhold, 1988, 1133 pp.  
*Tall Building Systems and Concepts*, ASCE, 1980, 669 pp.  
*Tall Buildings: 2000 and Beyond*, Proceedings and Collected Papers, CTBUH, 1991, 1192 and 825 pp., respectively.  
*The Times*, CTBUH, newsletter, quarterly

## INDOOR AIR QUALITY

#### Organizations

**American Society of Heating, Refrigerating, and Air Conditioning Engineers**  
(see 15500)

**Environmental Protection Agency**  
401 M Street SW  
Washington, DC 20460  
Public Information Center (document sales): (202) 260-7751  
Indoor Air Division: (202) 233-9030  
Radon Division: (202) 233-9370  
Toxic Materials Information Hotline: (202) 554-1404

**International Society of Indoor Air Quality and Climate (ISIAQ)**  
Box 22038, Sub 32  
Ottawa, Canada K1V 0W2  
(613) 731-2559

**Radon Division - Environmental Protection Agency (EPA)**  
401 M St. SW  
Washington, DC 20406  
(202) 260-9605

#### References

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## INTELLIGENT BUILDINGS

#### Organizations

**Center for Building Performance and Diagnostics (CBPD)**  
Carnegie Mellon University  
Department of Architecture  
5000 Forbes Ave  
Pittsburgh, PA 15213-3890  
(412) 268-2350

**Intelligent Buildings Institute (IBI)**  
2101 L Street NW  
Washington, DC 20037  
(202) 457-1988

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## LIGHT FRAME CONSTRUCTION

### Organizations

**Canada Mortgage and Housing Corporation (CMHC)**  
Housing Information Center  
700 Montreal Road  
Ottawa, Ontario K1A 0P7  
(613) 748-2367

**Canadian Home Builders' Association (CHBA)**  
200 Elgin  
Ottawa, ON K2P 1L5  
(613) 230-3060

**National Association of Home Builders (NAHB)**  
Home Builder Press/NAHB Bookstore  
15th and M Sts. NW  
Washington, DC 20005  
(800) 223-2665

**National Research Center, National Association of Home Builders (NRC/NAHB)**  
400 Prince Georges Center Blvd.  
Upper Marlboro, MD 20772-8731  
(301) 249-4000

**Small Homes Council-Building Research Council (SHC-BRC)**  
University of Illinois  
1 East St. Mary's Road  
Champaign, IL 61820  
(217) 333-1801

**Structural Insulated Panel Association (SIPA)**  
1090 Vermont Ave. NW, Suite 1200  
Washington, DC 20005  
(202) 408-5003

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## LIGHTING

### Organizations

**Commission Internationale de L'Eclairage (CIE)**  
U.S. National Committee, c/o TLA Consultants  
72 Loring Ave.  
Salem, MA 01970  
(508) 745-6870

**Illuminating Engineering Society of North America (IES)**  
345 E 47th St., 9th Fl.  
New York, NY 10017  
(212) 705-7925

**International Association of Lighting Designers (IALD)**  
18 E 16th St., Suite 208  
New York, NY 10003  
(212) 206-1281

**Lawrence Berkeley Laboratory (LBL)**  
Lighting Systems Research Group  
Mail Stop 46-125  
1 Cyclotron Road  
Berkeley, CA 94720  
(510) 486-5388

**Lawrence Berkeley Laboratory (LBL)**  
Windows and Daylighting Group  
Mail Stop 90-31-11  
1 Cyclotron Road  
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**Lighting Research Center (LRC)**  
Rensselaer Polytechnic Institute  
Greene Bldg., #115  
Troy, NY 12180-3590  
(518) 276-8716

**Lighting Research Institute (LRI)**  
345 E. 47th St.  
New York, NY 10017  
(212) 705-7511

**National Lighting Bureau (NLB)**  
2101 L St. NW  
Washington, DC 20037  
(202) 457-8437

### References: Principles

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## MATERIALS AND MATERIAL STANDARDS

### Organizations

**American National Standards Institute (ANSI)**  
11 W 42nd St.  
New York, NY 10036  
(212) 642-4900

**American Society for Testing and Materials (ASTM)**  
1916 Race St.  
Philadelphia, PA 19103  
(215) 299-5400

**Canadian Construction Materials Centre (CCMC)**  
Institute for Research in Construction  
National Research Council Canada  
Ottawa, Ontario K1A 0R6  
(613) 993-2463

**Canadian Standards Association (CSA)**  
178 Rexdale Blvd.  
Rexdale, Ontario M9W 1R3  
(416) 747-4000

**International Union of Testing and Research Laboratories for Materials and Structures (RILEM)**  
Pavillon du C.R.O.U.S.  
61 Av. Du President Wilson  
94235 Cachan, CEDEX, France  
(33) 01-01-47-40-2397

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## MOISTURE PROBLEMS AND CONTROL

### References

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## PASSIVE HEATING AND COOLING

### Organizations

**Alliance to Save Energy (ASE)**  
1724 K. Street NW  
Suite 509  
Washington, DC 20006  
(202) 857-0666

**American Solar Energy Society (ASES)**  
2400 Central Avenue, Suite B-1  
Boulder, CO 80301  
(303) 443-3130

**Conservation and Renewable Energy Inquiry and Referral Service (CAREIRS)**  
P.O. Box 8900  
Silver Spring, MD 20907  
(800) 523-2929

**Energy Efficient Building Association (EEBA)**  
Northcentral Technical College  
1000 Campus Drive  
Wausau, WI 54401-1899  
(715) 675-6331

**Florida Solar Energy Center (FSEC)**  
300 State Road 401  
Cape Canaveral, FL 32920  
(407) 783-0300

**National Renewable Energy Laboratory (NREL)**  
(formerly the Solar Energy Research Institute)  
1617 Cole Blvd.  
Golden, CO 80401-3393  
(303) 231-7000

**Northeast Sustainable Energy Association (NSEA)**  
23 Ames St.  
Greenfield, MA 01301  
(413) 774-6051

### References

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## SECURITY

### Organizations

**American Society for Industrial Security (ASIS)**  
1655 N Fort Meyer Dr., Suite 1200  
Arlington, VA 22209  
(703) 522-5800

**National Burglar and Fire Alarm Association (NBFAA)**  
7101 Wisconsin Ave., Suite 1390  
Bethesda, MD 20814  
(301) 907-3202

**National Crime Prevention Council (NCPC)**  
1700 K Street 2nd Floor  
Washington, DC 20006-3817  
(202) 466-6272



**National Crime Prevention Institute (NCPI)**

University of Louisville  
Shelby Campus  
Burhans Hall  
Louisville, Kentucky 40292-0001  
(502) 588-6987

**National Criminal Justice Reference Service (NCJRC)**

National Institute of Justice  
Box 6000  
Rockville, MD 20850  
(800) 851-3420 or  
locally (301) 251-5500

**Security Industry Association (SIA)**

1255 23rd St. NW  
Washington, DC 20037  
(202) 466-7420

**References**

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**SEISMIC DESIGN TECHNOLOGY****Organizations****Building Seismic Safety Council (BSSC)**

National Institute of Building Sciences  
1201 L Street NW, Suite 400  
Washington, DC 20005  
(202) 289-7800

**Federal Emergency Management Agency (FEMA)**

Box 70274  
Washington, DC 20024  
(202) 646-2500

**References**

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EHRS #35, FEMA, 1988, 105 pp.  
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**SITE DESIGN****Organizations****American Planning Association (APA)**

Planners Bookstore/Planners Press  
1313 East 60th St.  
Chicago, IL 60637  
(312) 955-9100

**American Society of Landscape Architects (ASLA)**

4401 Connecticut Ave. NW  
Washington, DC 20008  
(202) 686-2752  
ASLA Bookstore (800) 787-2665

**National Association of Home Builders (NAHB)**  
(see Light Frame Construction)**Urban Land Institute (ULI)**

624 Indiana Ave. NW, Suite 400  
Washington, DC 20004  
(202) 624-7000

**References**

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**DIVISION 2 - SITEWORK****Organizations****American Society of Civil Engineers (ASCE)**

345 E. 47th St.  
New York, NY 10017  
(212) 705-7722

**Concrete Paver Institute/National Concrete Masonry Association (CPI/NCMA)**

2302 Horseshoe Rd.  
Herdan, VA 22071  
(703) 435-4900

**References**

- Bicycle Racks*, SpecGUIDE G02841, CSI, 1991.  
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**DIVISION 3 - CONCRETE****Organizations****American Concrete Institute (ACI)**

Box 19150  
22400 W. Seven Mile Rd.  
Detroit, MI 48219-0150  
(313) 532-2600

**American Society of Concrete Construction (ASCC)**

1902 Techny Ct.  
Northbrook, IL 60062  
(708) 291-0270

**Portland Cement Association (PCA)**

5420 Old Orchard Rd.  
Skokie, IL 60077  
(708) 966-6200

**References**

- Concrete Manual*, J.J. Waddell, International Conference of Building Officials, available from PCA, 1990, 346 pp.  
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**03100 - Concrete Formwork****References**

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**03200 - Concrete Reinforcement and Accessories****Organizations****Wire Reinforcement Institute (WRI)**

1101 Connecticut Ave. NW, Suite 700  
Washington, DC 20036-4303  
(202) 429-5125

**Concrete Reinforcing Steel Institute (CRSI)**

933 North Plum Grove Rd.  
Schaumburg, IL 60173  
(708) 517-1200

**References**

- Anchorage to Concrete*, SP-103, ACI, 1987, 322 pp.  
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**03300 - Cast-in-Place Concrete****References**

- Architectural Concrete: Design and Construction Practices*, Aberdeen Group, 1982, 48 pp.  
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*Guide to Cast-in-Place Architectural Concrete Practice*, 303R, ACI, 1982, 30 pp.  
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**03400 - Precast Concrete****Organizations****Architectural Precast Association (APA)**

1850 Lee Road, Suite 230  
Winter Park, FL 32789  
(407) 740-7201

**National Precast Concrete Association (NPCA)**

825 E 64th St.  
Indianapolis, IN 46220  
(317) 253-0486

**Precast/Prestressed Concrete Institute (PCI)**

175 W Jackson Blvd., Suite 1859  
Chicago, IL 60604  
(312) 786-0300

**Post-Tensioning Institute (PTI)**

1717 W Northern Ave., Suite 218  
Phoenix, AZ 85021  
(602) 870-7540

**Tilt-Up Concrete Association (TCA)**

2431 W Cummings Wood Lane  
Hendersonville, NC 28739  
(704) 891-9578

**References**

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*Architectural Precast Concrete*, PCI, 1989, 340 pp.  
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**03500 - Cementitious Decks****References**

- Guide for Cast-in-Place Low-Density Concrete*, 523.1R, ACI, 1986, 8 pp.  
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### References

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## 03700 - Concrete Restoration and Cleaning

### References

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*Concrete Repair and Restoration*, SpecGUIDE G03731, CSI, 1989.  
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## DIVISION 4 - MASONRY

### Organizations

#### International Masonry Institute (IMI)

823 15th St. NW, Suite 1001  
Washington, DC 20005  
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#### Masonry Institute of America (MasIA)

2550 Beverly Blvd.  
Los Angeles, CA 90057  
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#### The Masonry Society (TMS)

2619 Spruce St.  
Boulder, CO 80302  
(303) 939-9700

#### National Lime Association (NLA)

3601 North Fairfax Dr.  
Arlington, VA 22200  
(703) 243-LIME

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## 04100 - Mortar and Masonry Grout

### References

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## 04200 - Unit Masonry

### Organizations

#### Brick Institute of America (BIA)

11490 Commerce Park Dr.  
Reston, VA 22091  
(703) 620-0010

#### National Concrete Masonry Association (NCMA)

2302 Horse Pen Rd.  
Herndon, VA 22071  
(703) 713-1900

### References

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*Principles of Brick Masonry*, BIA, 1989, 93 pp.  
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*Concrete Masonry Handbook for Architects, Engineers, Builders*, EB008, W. Panarese et al., PCA (see 03000), 1991, 264 pp.  
*Concrete Unit Masonry*, SpecGUIDE G04220, 1988.  
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*Reinforced Concrete Masonry Construction Inspector's Handbook*, J. Amrhein and M. Merrigan, MasIA, 1989, 331 pp.

## 04400 - Stone

### Organizations

#### Building Stone Institute (BSI)

Box 5047  
White Plains, NY 10602-5047  
(914) 232-5725

#### Indiana Limestone Institute of America (ILIA)

Stone City Bank Bldg., Suite 400  
Bedford, IN 47421  
(812) 275-4426

#### Italian Marble Center (IMC)

Italian Trade Commission  
499 Park Ave.  
New York, NY 10022  
(212) 980-1500

#### Marble Institute of America (MIA)

33505 State St.  
Farmington, MI 48335  
(313) 476-5558

### References

"Anchored Thin Stone Veneer Systems," P/A, Nov. 1991, pp. 127-129.  
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"Quality from the Quarry," P/A, Aug. 1991, pp. 45-47.  
*Stone*, SpecGUIDE G04400, CSI, 1987.

## 04500 - Masonry Restoration and Cleaning

(see also Preservation/Restoration Technology)

### Organizations

#### International Association of Stone Restoration & Conservation (IASRC)

36 W. Gay St., Suite 304  
Columbus, OH 43215  
(614) 461-5852

### References

"Cleaning Brick Masonry," *Technical Notes on Brick Construction*, no. 20, 1990, 8 pp.  
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*The Use of Sealants in Masonry Joints*, M. Gadette and J. R. Clifton, #PB87-200150, NTIS, 1982, 29 pp.

## 04700 Simulated Stone and Cast Stone

### Organizations

#### Cast Stone Institute (CastSI)

Pavilions at Greentree, Suite 408  
State Highway 70  
Marlton, NJ 08053  
(609) 858-0271

### References

*Cast Stone Technical Manual*, CastSI, 1989, 86 pp.  
*Cast Stone*, SpecGUIDE G04435, CSI, 1987.

## DIVISION 5 - METALS

### Organizations

#### Aluminum Association (AA)

900 19th St. NW, Suite 300  
Washington, DC 20006  
(202) 862-5100

#### American Institute of Steel Construction (AISC)

1 E. Wacker Dr., Suite 3100  
Chicago, IL 60601-2001  
(312) 670-2400

#### American Iron and Steel Institute (AISI)

1101 17th St. NW  
Washington, DC 20036  
(202) 452-7100

#### Copper Development Association (CDA)

Greenwich Office Park 2  
Greenwich, CT 06836  
(203) 625-8210

#### Industrial Perforators Association

710 North Plankinton Avenue  
Milwaukee, WI 53203  
(414) 271-2263

## Metal Building Manufacturers Association

(MBMA)  
(see 13120)

## National Association of Architectural Metal Manufacturers (NAAMM)

600 S Federal St., Suite 400  
Chicago, IL 60605  
(312) 922-6222

## Nickel Development Institute (NDI)

15 Toronto St., Suite 402  
Toronto, ONT M5C 2E3 Canada  
(416) 362-8850

### References

*Degradation of Metals in the Atmosphere*, STP 965, ASTM, 1988, 456 pp.  
"Metals," H. Cowan and P. Smith, Chapter 2, *Handbook of Architectural Technology*, H. Cowan, ed., V.N. Reinhold, 1991, pp. 10-25.  
*Metals in America's Historic Buildings: Uses and Preservation Treatments*, M. Gayle and D.W. Look, #PB90-206269, NTIS, 1980, 168 pp.  
*Repairing and Extending Nonstructural Metals*, H.L. Simmons, V.N. Reinhold, 1990, 382 pp.

## 05030 - Metal Coatings

### Organizations

#### Architectural Anodizers Council (AAC)

1000 N. Rand, Suite 204  
Wauconda, IL 60084  
(708) 256-2010

#### Steel Structures Painting Council (SSPC)

4400 5th Avenue  
Pittsburgh, PA 15213-2683  
(412) 268-3327

### References

*Anodic Finishes/Painted Aluminum*, AFPA-91, AAMA (see 08000), 1991, 16 pp.  
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"Finishes for Aluminum Curtain Walls," vol. 8, *Aluminum Curtain Wall Design Guide Manual*, AAMA (see 08000), 23 pp.  
*Metal Finishes Manual*, NAAMM, 1988, 82 pp.  
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## 05050 - Metal Fastening

### References

"Structural Steel Connections," Section 9, *Standard Handbook of Fastening and Joining*, R. Parmley, McGraw Hill, 1989, 816 pp.

## 05100 - Structural Metal Framing

### Organizations

#### American Institute for Hollow Structural Sections (AIHSS)

929 McLaughlin Run Road, Suite 8  
Pittsburgh, PA 15017  
(412) 221-8880

## Metal Lath/Steel Framing Association Division of NAAMM (ML/SFA)

600 S Federal St., Suite 400  
Chicago, IL 60605  
(312) 922-6222

### References

*Detailing for Steel Construction*, AISC, 1983, 288 pp.  
*Lightweight Steel Framing Systems Manual*, NAAMM, 1987, 24 pp.  
*Manual of Steel Construction*, 9th ed., AISC, 1989, 1110 pp.  
*Simplified Design of Steel Structures*, H. Parker, J. Wiley, 1990, 437 pp.  
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*Structural Details for Steel Construction*, M. Newman, McGraw-Hill, 1988, 224 pp.  
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**05200 Metal Joists****Organizations****Steel Joist Institute (SJI)**

1205 48th Ave. N, Suite A  
Myrtle Beach, SC 29577  
(803) 449-0487

**References**

*Catalog of Specifications and Load Tables*, SJI, 1992, 67 pp.  
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*Structural Design of Steel Joist Roofs to Resist Uplift Loads*, SJI, 1990, 18 pp.

**05300 - Metal Decks****Organizations****Steel Deck Institute (SDI)**

Box 9506  
Canton, OH 44711  
(216) 493-7886

**References**

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*Steel Deck Institute Design Manual*, SDI, 1992, 51 pp.  
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**05500 - Metal Fabrications****Organizations****Lead Industries Association (LIA)**

295 Madison Ave.  
New York, NY 10017  
(212) 578-4750

**Sheet Metal and Air-Conditioning Contractors National Association (SMACNA)**

Box 22130  
Chantilly, VA 22022  
(703) 803-2980

**References**

*Architectural Sheet Metal Manual*, SMACNA, 1987, 358 pp.  
*Copper and Common Sense*, Revere Copper Products, Rome, NY (315) 338-2022, 1982, 103 pp.  
*Metal Stairs Manual*, NAAMM, 5th ed., 1992, 75 pp.  
*Sheet Metal Fabrications*, SpecGUIDE G05580, CSI, 1987.

**05700 - Ornamental Metal****Organizations****National Ornamental and Miscellaneous Metals Association (NOMMA)**

804-10 Main St., Suite E  
Forest Park, GA 30050  
(404) 363-4009

**References**

*Glossary of Architectural Metal Terms for Stairs and Railings*, NOMMA, 12 pp.  
*Pipe Railing Manual*, NAAMM, 1985, 49 pp.  
*Ornamental Metal*, SpecGUIDE G05700, CSI, 1989.  
*Metal Rail Manual*, NOMMA, 84 pp.

**DIVISION 6 - WOOD & PLASTICS****Organizations****American Plywood Association (APA)**

Box 11700  
Tacoma, WA 98411  
(206) 565-6600

**American Wood Council (AWC)**

National Forest Products Association  
1250 Connecticut Ave. NW, Suite 230  
Washington, DC 20036  
(202) 833-1595

**California Redwood Association (CRA)**

405 Enfrente Dr., Suite 200  
Novato, CA 94949  
(415) 382-0662

**Canadian Wood Council (CWC)**

Box 88880  
Seattle, WA 98138  
(800) 531-3122

**National Forest Products Association (NFPA)**

1250 Connecticut Ave. NW, Suite 200  
Washington, DC 20036  
(202) 463-2700

**Plastics Institute of America (PIA)**

227 Fairfield Road  
Fairfield, NJ 07005  
(201) 808-5950

**Southern Forest Products Association (SFPA)**

Box 52468  
New Orleans, LA 70152  
(504) 443-4464

**Western Wood Products Association (WWPA)**

Yeon Building  
522 SW 5th Ave.  
Portland, OR 97204  
(503) 224-3930

**Wood Products Center/World Forest Institute (WPC/WFI)**

4033 SW Canyon Rd.  
Portland, OR 97221  
(503) 228-0819

**References**

*Guide to Wood Species*, AWI (see 06400), 1977, 37 pp.  
"Timber and Timber Products: Properties, Deterioration, Protection," B.A. Bendtsen and A. Freas, Chapter 4, *Handbook of Architectural Technology*, H. Cowan, ed., V. N. Reinhold, 1991, pp. 53-78.  
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*Western Woods Use Book*, 3rd ed, WWPA, 1985, 306 pp.  
*Wood as a Building Material*, W. Wilcox, E. Botsai, and H. Kubler, J. Wiley, 1991, 215 pp.  
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**06100 - Rough Carpentry****References**

*The NAHB Beam Series: Wood Beams, Plywood I-Beams, Plywood Box Beams, Steel-Wood I-Beams, Flitch Plate and Steel I-Beams*, Home Builder Press, 1982, approx 400 pp.  
*National Design Specification for Wood Construction*, NFPA, 1991, 132 pp.  
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"Wood Frame Construction," P/A, Aug. 1991, pp. 37-40.  
*Wood Structural Design Data*, NFPA, 1986, 240 pp.

**06130 - Heavy Timber Construction****Organizations****American Institute of Timber Construction (AITC)**

11818 SE Mill Plain Blvd., Suite 415  
Vancouver, WA 98684-5092  
(206) 254-9132

**American Lumber Standards Committee (ALSC)**

Box 210  
Germantown, MD 20875-0210  
(301) 972-1700

**References**

*Heavy Timber Construction Details*, NFPA, 1989, 20 pp.

*Timber Construction Manual*, AITC, 1985, 800 pp.  
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**06150/06170 - Wood and Metal Systems/Prefabricated Structural Wood****References**

*Laminated Timber for Industrial, Commercial, and Institutional Buildings*, 1990, 27 pp.  
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*Wood Chord Metal Truss Joists*, SpecGUIDE G06151, CSI, 1991.

**06200 - Finish Carpentry****Organizations****Architectural Woodwork Institute (AWI)**

(see 06400)

**Decorative Laminate Products Association (DLPA)**

600 S. Federal St., Suite 400  
Chicago, IL 60605  
(312) 922-6222

**Fine Hardwood Veneer Association (FHVA)**

5603 West Raymond St., Suite O  
Indianapolis, IN 46241  
(317) 244-3312

**Hardwood Plywood Manufacturers Association (HPMA)**

Box 2789  
Reston, VA 22090-2789  
(703) 435-2900

**National Particleboard Association (NPBA)**

8 Premiere Ct.  
Gaithersburg, MD 20879  
(301) 670-0604

**References**

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*Particleboard: From Start to Finish*, NPA, 1988, 119 pp.  
*Performance Standards for Fabricated High Pressure Decorative Laminate Countertops*, ANSI A161.2, DLPA, 1979, 8 pp.  
*Specifiers Guide to Particleboard and MDF*, NPA, 6 pp.  
*Structural Design Guide for Hardwood Plywood*, HPMA, HP-SG-1986, 25 pp.  
*Wood Mouldings*, AWI, 1989, 29 pp.  
*Wood Particleboard*, ANSI A208.1, NPA, 1989, 8 pp.

**06300 - Wood Treatment****Organizations****American Wood Preservers Association (AWPA)**

Box 849  
Stevensville, MD 21666  
(301) 643-4163

**American Wood Preservers Bureau (AWPB)**

Box 5283  
Springfield, VA 22150  
(703) 339-6660

**Wood Protection Council**

National Institute of Building Sciences  
1201 L Street NW  
Suite 400  
Washington, DC 20005  
(202) 289-7800

**References**

*Pressure Treated Wood*, Monograph 06M311, CSI, 1985.  
*Quality Control and Inspection Procedures*, AWPB, 60pp.

**06400 - Architectural Woodwork****Organizations****Architectural Woodwork Institute (AWI)**

2310 S. Walter Reed Dr.  
Box 1550  
Centreville, VA 22020-8550  
(703) 222-1100

**National Hardwood Lumber Association (NHLA)**

Box 34518  
Memphis, TN 38184-0518  
(901) 377-1818

**References**

*Architectural Casework*, AWI, 1989, 17 pp.  
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*Stile & Rail Construction*, AWI, 12 pp.  
"Wood and Moisture," *Design Solutions*, Spring 1990, pp. 15-18 (reprints available from AWI).

**06600 - Plastic Fabrications****Organizations****Cultured Marble Institute (CMI)**

435 N. Michigan Ave., Suite 1717  
Chicago, IL 60611  
(312) 644-0828

**References**

*Cultured Marble*, Monograph 06M621, CSI, 1987.

**DIVISION 7 - THERMAL & MOISTURE PROTECTION****Organizations****American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE)**

1791 Tullie Circle, NE  
Atlanta, GA 30329  
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**Institute of Roofing and Waterproofing Consultants (IRWC)**

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Rolling Meadows, IL 60008  
(708) 991-9292

**National Roofing Contractors Association (NRCA)**

O'Hare International Center  
10255 W. Higgins Rd., Suite 600  
Rosemont, IL 60018  
(708) 299-9070

**Sealant, Waterproofing, and Restoration Institute (SWRI)**

3101 Broadway, Suite 585  
Kansas City, MO 64111  
(816) 561-8230

**References**

*Earth Sheltered Buildings*, NAVFAC DM 1.4, SN 008-050-00230-1, US GPO, 1984, 250 pp.



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#### 07100 - Waterproofing

##### References

*Building Deck Waterproofing*, STP 1084, ASTM, 1990, 150 pp.  
*Guide for Use of High Solids Content, Cold Liquid-Applied Elastomeric Waterproof Membrane with Separate Wearing Course*, C 898, ASTM.  
*Guide for Design of Built-Up Bituminous Membrane Waterproofing Systems for Building Decks*, C 981, ASTM.  
*Guide to the Use of Waterproofing, Dampproofing, Protective, and Decorative Barrier Systems for Concrete*, 515.1R, ACI (see 03000), 1985, 44 pp.  
*The NRCA Waterproofing and Dampproofing Manual*, NRCA, 1989, 36 pp.  
 "Waterproofing," Chapter 9, *Building Foundation Design Handbook*, UGSC/University of Minnesota (612) 624-0066, 1988, pp. 235-278.

#### 07180 - Water Repellent Coatings

##### References

*Clear Water Repellents Handbook*, SWRI, 1991, 71 pp.  
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*Specifying Water Repellents*, Monograph 07M181, CSI, 1990.  
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#### 07190/07195 - Vapor Retarders/Air Barriers

##### References

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*Vapor Retarders*, SpecGUIDE G07190, CSI, 1990.

#### 07200 - Insulation

##### Organizations

##### Mineral Insulation Manufacturers Association (MIMA)

1420 King St., Suite 410  
 Alexandria, VA 22314  
 (703) 684-0084

##### Perlite Institute (PI)

88 New Dorp Plaza  
 Staten Island, NY 10306-2994  
 (718) 351-5723

##### 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, Suite 400  
 Washington, DC 20005  
 (202) 371-5200

##### Vermiculite Association (VA)

600 S. Federal St., Suite 400  
 Chicago, IL 60605  
 (312) 922-6222

##### References

*Building Insulation*, SpecGUIDE G07210, CSI, 1989.  
*Radiant Barrier Fact Sheet*, K. Wilkes, Oak Ridge

National Laboratory, CAREIRS, Silver Spring, MD (800) 523-2929, 1991, 24 pp.  
*Roof and Deck Insulation*, SpecGUIDE G07220, CSI, 1987.  
 "Selection of Insulation Materials," Ch. 6.3, *Building Foundation Design Handbook*, UGSC/Univ. of Minnesota (612) 624-0066, 1988, pp. 142-154.  
 "Thermal Insulation and Vapor Retarders," Ch. 21 and 22, *ASHRAE Handbook*, 1989 Fundamentals vol., 40 pp.  
*Thermal Insulation Building Guide*, E. Strother and W. Turner, Krieger Publishing, Melbourne, FL (407) 724-9542, 1990, 500 pp.

#### 07240 - Exterior Insulation and Finish Systems

##### Organizations

##### Exterior Insulation Manufacturers Association (EIMA)

2759 State Road 580, Suite 112  
 Clearwater, FL 34621  
 (813) 726-6477

##### Foundation of the Wall and Ceiling Industries (see 09000)

##### References

*Exterior Insulation and Finish Systems*, SpecGUIDE G07240, CSI, 1987.  
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#### 07270 Firestopping

##### References

*Firestopping*, SpecGUIDE 07270, CSI, 1991, 25 pp.

#### 07300/07400/07500 - Roofing

##### Organizations

##### Asphalt Roofing Manufacturers Association (ARMA)

6288 Montrose Rd.  
 Rockville, MD 20852  
 (301) 231-9050

##### Cedar Shake and Shingle Bureau (CSSB)

515 116th Ave. NE, Suite 275  
 Bellevue, WA 98004  
 (206) 453-1323

##### National Tile Roofing Manufacturers Association (NTRMA)

3127 Los Feliz Blvd.  
 Los Angeles, CA 90039  
 (213) 660-4411

##### Roof Consultants Institute (RCI)

7424 Chapel Hill Rd.  
 Raleigh, NC 27607  
 (919) 859-0742

##### Roofing Communications Network (RCN)

3690 Bohicket Rd., Suite 1D  
 John's Island, SC 29455  
 (800) 522-7663

##### Roofing Industry Committee on Wind Issues (RICOWI)

c/o Chuck Goldsmith  
 13303 U.S. 19 South  
 Clearwater, FL 34642  
 (813) 536-0456

##### Roofing Industry Educational Institute (RIEI)

14 Inverness Dr. E., Bldg. H, Suite 110  
 Englewood, CO 80112-5608  
 (303) 790-7200

##### Roofing Products Division/Rubber Manufacturers Association (RPD/RMA)

1400 K St. NW  
 Washington, DC 20005  
 (202) 682-1338

##### Single Ply Roofing Institute (SPRI)

104 Wilmot Rd., Suite 201  
 Deerfield, IL 60015  
 (708) 940-8800

#### 07300 - Shingles and Roofing Tiles

##### References

*Design and Application Manual for New Roof Construction*, CSSB, 20 pp.  
*Installation Manual for Concrete Tile Roofing*, NTRMA.  
*Residential Asphalt Roofing Manual*, ARMA, 1988, 60 pp.  
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#### 07400 - Manufactured Roofing and Siding

##### References

*Manufactured Roof Panels*, SpecGUIDE G07411, CSI, 1991.  
*Precast Metal Building Panels*, Monograph 07M411, CSI, 1988.  
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#### 07500 - Membrane Roofing

##### References

*Approval Guide*, Factory Mutual (see Fire Protection), updated annually.  
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*Built-Up Roofing Systems Design Guide*, ARMA, 1990, 24 pp.  
*The Handbook of Roofing Knowledge*, NRCA, 1989, 21 pp.  
*The NRCA Low Slope Roofing Manual*, NRCA, 1989, 310 pp.  
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*Single Ply Roofing Systems*, Monograph 07M531, CSI, 1987.  
*Sprayed Polyurethane Foam Roofing Systems*, Monograph 07M546, CSI, 1990.

#### 07600 - Flashing and Sheet Metal (Field-fabricated)

##### References

*Architectural Sheet Metal Manual*, Fourth Edition, SMACNA (see 05500), 1987, 358 pp.  
*Copper and Common Sense*, Revere Copper Products, Inc., Rome, NY (315) 338-2022, 1982, 103 pp.  
*Custom Fabricated Roofing Specifications*, SMACNA, 1991, 16 pp.  
*The NRCA Construction Details*, NRCA, 1989, 74 pp.  
*Sheet Copper Applications*, CDA (see 05000), 1980, 58 pp.  
*Sheet Metal Flashing and Trim*, SpecGUIDE G07620, CSI, 1990.  
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 "Window Sill Flashings: The Why and How," P/A, June 1990, pp. 41-43.

#### 07800 - Skylights

##### References

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*PC Disk*, SHDG-2, AAMA (see 08000), 1988.  
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#### 07900 - Joint Sealers

##### Organizations

##### Adhesive and Sealant Council (ASC)

1627 K St. NW, Suite 1000  
 Washington, DC 21707  
 (202) 452-1500

##### Sealant, Waterproofing, and Restoration Institute (see 07000)

##### References

*Building Sealants: Materials, Properties, and Performance*, T. O'Connor, ed., STP 1069, ASTM, 1990, 351 pp.  
*Construction Sealants and Adhesives*, 3rd ed., J. Panek and J. Cook, J. Wiley, 1991, 375 pp.  
*Exposure Evaluation of Sealants with Low Movement Capability*, K. Karpati, NRCC 29704, NRCC, 1988, 5 pp.  
*Fenestration Sealants Guide Manual*, 850-91, AAMA (see 08000), 1991, 18 pp.  
*Guide for Use of Joint Sealants*, C 1193, ASTM, 1991, 10 pp.  
*Guide to Joint Sealants for Concrete Structures*, 504R, ACI (see 03000), 1977, 58 pp.  
*Joint Sealants*, JS-91, AAMA (see 08000), 1991, 18 pp.  
*Joint Sealers*, Monograph 07M900, CSI, 1991.  
*Sealant Manual*, Flat Glass Marketing Association (see 08800), 1990, 40 pp.  
*Sealants: The Professional's Guide*, SWRI, 1990, 76 pp.  
*Sealants and Caulking*, SpecGUIDE G07920, CSI, 1987.  
*Sealants in Construction*, J. Klosowski, Marcel Dekker, 1989, 310 pp.  
*Standard Guide for Use of Elastomeric Joint Sealants*, C 962-86, ASTM, 9 pp.

## DIVISION 8 - DOORS & WINDOWS

##### Organizations

##### American Architectural Manufacturers Association (AAMA)

1540 E Dundee Rd., Suite 310  
 Palatine, IL 60067  
 (708) 202-1350

##### National Fenestration Rating Council (NFRC)

962 Wayne Ave., Suite 750  
 Silver Spring, MD 20910  
 (301) 589-NFRC

##### National Wood Window & Door Association (NWWDA)

1400 E Touhy Ave.  
 Des Plaines, IL 60018  
 (708) 299-5200

##### Vinyl Window and Door Institute (VWDI)

355 Lexington Ave.  
 New York, NY 10017  
 (212) 351-5400

##### References

"Fenestration," Chapter 27, *ASHRAE Handbook*, 1989 Fundamentals vol., 38 pp.  
*Fire Doors and Fire Windows*, Standard NFPA 80, NFPA (see Fire Protection), 1990, 73 pp.  
*The Low-E Glazing Design Guide*, T.E. Johnson, Butterworth, 1991, 200 pp.  
*Repairing and Extending Doors and Windows*, H.L. Simmons, V.N. Reinhold, 1990, 430 pp.  
*Voluntary Standard for Thermal Transmittance and Condensation Resistance of Window, Doors, and Glazed Wall Sections*, 1503.1-88, AAMA.  
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**08100/08200/08300 - Doors and Frames****Organizations****Steel Door Institute (SDI)**

30200 Detroit Rd.  
Cleveland, OH 44145  
(216) 899-0010

**References**

*Architectural Flush Doors*, Architectural Woodwork Institute (see 06400), 1988, 16 pp.  
*Architectural Wood Flush Doors*, IS 1-A, NWWDA, 1991, 32 pp.  
*Hollow Metal Manual*, NAAMM (see 05000), looseleaf binder, 1987.  
*Smoke-Control Door Assemblies*, Standard NFPA 105, NFPA (see Fire Protection), 1989, 10 pp.  
*Standard Steel Doors and Frames* ("Fact File"), SDI, Cleveland, (216) 899-0010, looseleaf binder.  
*Specifiers Guide to Wood Windows and Doors*, NWWDA, loose-leaf binder.  
*Stile & Rail Construction*, AWI (see 06400), 1988, 12 pp.

**08400 - Entrances and Storefronts****References**

*Aluminum Store Front and Entrance Manual*, SFM-1, AAMA, 1987, 127 pp.  
*Automatic Entrance Door Assemblies*, SpecGUIDE G08461, CSI, 1991.  
*Entrances and Storefronts*, SpecGUIDE G08400, CSI, 1988.

**08500/08600 - Metal Windows/Wood and Plastic Windows****Organizations****Aluminum Extruders Council (AEC)**

1000 N. Rand Rd., Suite 214  
Wauconda, IL 60084  
(708) 526-2010

**Steel Window Institute**

1230 Keith Bldg.  
1621 Euclid St.  
Cleveland, OH 44115  
(216) 241-7333

**Vinyl Window and Door Institute (VWDI)**

355 Lexington Ave., 4th Floor  
New York, NY 10017  
(212) 351-5400

**References**

*Specifier's Guide to Steel Windows*, SWI, 16 pp.  
*Specifier's Guide to Wood Windows and Doors*, NWWDA, looseleaf binder.  
*Voluntary Guide Specifications for Aluminum Architectural Windows*, GS-001, AAMA, 1984.  
*Voluntary Specifications for PVC Prime Windows and Sliding Glass Doors*, 101V-86, AAMA.  
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*Window Performance and New Technology*, NRCC #29348, NRCC, 1988, 69 pp.  
*Window Selection Guide*, AAMA, 1988, 58 pp.  
*"Windows to the Future,"* P/A, June 1990, pp. 47-51.

**08650 - Special Windows****References**

"Acoustical Performance of Windows," P/A, Aug 1991, pp. 115-120.  
*Repairing Old and Historic Windows*, New York Landmarks Conservancy, Preservation Press/NTHP (see Preservation/Restoration Technology), 1992, 208 pp.  
*The Window Handbook: Successful Strategies for Rehabilitating Windows in Historic Buildings*, compilation of NPS publications, HPEF (see Preservation/Restoration Technology).  
*The Window Workbook for Historic Buildings*, compiled by NPS, HPEF (see Preservation/Restoration Technology), 1986, 368 pp.

**08700 - Hardware****Organizations****Builders Hardware Manufacturers Association (BHMA)**

355 Lexington Ave., 17th Fl.  
New York, NY 10017  
(212) 661-4261

**Door and Hardware Institute (DHI)**

7711 Old Springhouse Rd.  
McLean, VA 22102  
(703) 556-3990

**References**

*DHI Handbooks*, DHI, loose-leaf binder.  
*Electro-Mechanical Hardware*, SpecGUIDE G08740, CSI, 1992.  
*Finish Hardware*, Monograph 08M710, CSI, 1985.  
*Finish Hardware*, SpecGUIDE G08710, CSI, 1989.

**08800/08900 - Glazing/Glazed Curtain Walls****Organizations****Architectural Translucent Skylight and Curtain Wall Association**

3421 M Street NW, Suite 341  
Washington, DC 20007  
(715) 842-4616

**Flat Glass Marketing Association (FGMA)**

3310 SW Harrison St.  
Topeka, KS 66611-2279  
(913) 266-7013

**Glass Tempering Association (GTA)**

3310 SW Harrison St.  
Topeka, KS 66611  
(913) 266-7013

**Laminators Safety Glass Association (LSGA)**

3310 SW Harrison St.  
Topeka, KS 66611  
(913) 266-7013

**National Glass Association (NGA)**

8200 Greensboro Dr., Suite 302  
McLean, VA 22102  
(703) 442-4890

**Sealed Insulating Glass Manufacturers Association (SIGMA)**

401 N. Michigan Ave.  
Chicago, IL 60611  
(312) 644-6610

**Stained Glass Association of America (SGAA)**

6 SW 2nd St., Suite 7  
Lee's Summit, MO 64063  
(816) 524-9340

**References**

*Aluminum Curtain Wall Design Guide Manual*, CW 1-9, AAMA, 1979, 181 pp.  
"Architectural Glass: Strengths, Selection, Sizes," P/A, April 1990, pp. 47-49.  
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"Thermal Performance Factor," P/A, June 1990, p. 45.  
*Voluntary Guidelines for Sloped Glazing*, TB-3001, SIGMA, 1990, 5 pp.  
"Wind Does Not Break Glass," P/A, Apr. 1992, pp. 148-152.

**DIVISION 9 - FINISHES****Organizations****Foundation of the Wall and Ceiling Industry (FWCI)**

1600 Cameron St  
Alexandria, VA 22314  
(703) 548-0374

**References**

*Repairing and Extending Finishes, Part I: Plaster, Gypsum Board, Ceramic Tile*, H.L. Simmons, V.N. Reinhold, 1990, 327 pp.  
*Repairing and Extending Finishes, Part II: Acoustical Treatment, Resilient Flooring, Paint, Transparent Finishes*, H.L. Simmons, V.N. Reinhold, 1990, 322 pp.  
*Tolerances, Variations, and Pre-Existing Site Conditions for the Wall and Ceiling Industries*, FWCI, 1990, looseleaf binder.

**09200 - Lath and Plaster****Organizations****Gypsum Association (GA)**

810 1st St. NE, Suite 510  
Washington, DC 20002  
(202) 289-5440

**International Institute of Lath and Plaster**

820 Transfer Rd.  
St. Paul, MN 55114  
(612) 645-0208

**References**

*Jointing and Metalwork for Portland Cement Plaster*, Monograph 09M221, CSI 1990.  
*Plaster and Drywall Systems Manual*, J. Gorman, et al., McGraw Hill, 1988, 415 pp.  
*Plastering Skills*, F. Van Den Branden and T. Hartsell, American Technical Publishers, Homewood, IL (708) 957-2200, 1984, 531 pp.  
*Portland Cement Plaster*, Monograph 09M220, CSI, 1989.  
*Portland Cement Plaster (Stucco) Manual*, PCA (see 03000), EB049M, 1980, 32 pp.  
"The Preservation and Repair of Historic Stucco," *Preservation Brief* 22, #024-005-01066-1, 1990, 16 pp.  
"Preserving Historic Ornamental Plaster," *Preservation Brief* 23, #024-005-01067-0, 1990, 12 pp.  
"Repairing Historic Flat Plaster Walls and Ceilings," *Preservation Brief* 21, #024-005-01055-6, US GPO 1989.  
"Repairing Historic Stucco," P/A, Feb. 1992, pp. 119-122.  
*Specifications for Metal Lathing and Furring*, ML/SFA 920, NAAMM (see 05000), 1991.  
*Walls and Molding: How to Care For Old and Historic Wood and Plaster*, N. Shivers, Preservation Press, 1990, 198 pp.

**09250 - Gypsum Board****References**

*Application and Finishing of Gypsum Board*, GA-216, GA, 1989, 16 pp.  
*Gypsum Board*, Monograph 09M250, CSI, 1990.  
*Using Gypsum Board for Walls and Ceilings*, GA, 1985, 37 pp.

**09300 - Tile****Organizations****Ceramic Tile Institute (CTI)**

700 North Virgil Ave.  
Los Angeles, CA 90029  
(213) 660-1913

**Italian Tile Association (ITA)**  
305 Madison Ave., Suite 3120  
New York, NY 10165  
(212) 661-0435

**Materials and Methods Standards Association (MMSA)**

c/o Harvey Powell, Noble Co.  
Box 350  
Grand Haven, MI 49417  
(616) 842-7844

**Tile Council of America (TCA)**

Box 326  
Princeton, NJ 08542  
(609) 921-7050

**References**

*American National Standard Specifications for the Installation of Ceramic Tile*, ANSI A-108 series, TCA, 1985, 57 pp.  
*American National Standard Specifications for Ceramic Tile*, ANSI A-137.1, TCA, 1988, 17 pp.  
*Bulletins 1-16*, MMSA, 1988, 28 pp.  
*Ceramic Tile*, Monograph 09M310, CSI, 1984.  
*Ceramic Tile*, SpecGUIDE G09310, CSI, 1987.  
*CTI Tile Manual*, CTI, 1991, 510 pp.  
*Handbook for Ceramic Tile Installation*, TCA, updated annually.  
"Selecting and Specifying Ceramic Tile," P/A, Apr. 1992, pp. 41-44.  
"Technics Focus: Ceramic Tile," P/A, Apr. 1990, pp. 131-157.

**09400 - Terrazzo****Organizations****National Terrazzo and Mosaic Association (NTMA)**

3166 Des Plaines Ave., Suite 132  
Des Plaines, IL 60018  
(708) 635-7744

**References**

*Terrazzo*, SpecGUIDE G09400, CSI, 1987.  
*Terrazzo Ideas and Design Guide*, NTMA, 1990, 44 pp.

**09500 - Acoustical Treatment****References**

*Acoustical Uses for Perforated Metals*, T. Schultz, Industrial Perforators Association (see 05000), 76 pp.  
"Acoustics for Small Spaces," P/A, Apr 1991, pp. 36-40.  
*Reverberant Noise Control in Rooms Using Sound Absorbing Materials*, Building Research Note 163, A. Warnock, NRCC, 1980, 7 pp.  
"Sound Absorption," Ch. 2, *Architectural Acoustics*, M. Egan, McGraw Hill, 1988, pp. 38-80.

**09545 - Special Ceiling Surfaces****Organizations****Ceilings and Interior Systems Construction Association (CISCA)**

579 W North Ave., Suite 301  
Elmhurst, IL 60126  
(708) 833-1919

**References**

*Acoustical Ceilings: Use and Practice*, CISCA Recommendations for Direct-Hung Acoustical Tile and Lay-In Panel Ceilings: Seismic Zones 0-2, CISCA, 1991, 6 pp.

**09550 - 09780 - Flooring****Organizations****Maple Flooring Manufacturers Association (MFMA)**

60 Revere Dr., Suite 500  
Northbrook, IL 60062  
(708) 480-9138

**National Oak Flooring Manufacturers Association (NOFMA)**

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Memphis, TN 38173-0009  
(901) 526-5016



**National Wood Flooring Association (NWFA)**  
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St. Louis, MO 63122  
(800) 422-4556

**Resilient Floor Covering Institute (RFCI)**  
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Rockville, MD 20850  
(301) 340-8580

**Wood and Synthetic Flooring Institute (WSFI)**  
4415 W. Harrison St., Suite 242C  
Hillside, IL 60162  
(708) 449-2933

#### References

*Addressing Moisture Related Problems Relevant to Resilient Floor Coverings Installed over Concrete*, RFCI, 1985, 8 pp.  
*Carpet*, SpecGUIDE G09650, CSI, 1989.  
*Hardwood Floors*, NWFA, monthly.  
*Laminated Hardwood Flooring Standard*, HPMA (see 06200).  
*Recommended Work Procedures for Resilient Floor Coverings*, RFCI.  
*Resilient Flooring*, SpecGUIDE G09705, CSI, 1989.  
*Resinous Flooring*, SpecGUIDE G09680, CSI, 1989.  
*Stone Flooring*, SpecGUIDE 09600, CSI, 1991, 34 pp.  
*Vinyl Composition, Solid Vinyl & Asphalt Tile*, RFCI.  
*Wood Flooring*, SpecGUIDE G09550, CSI, 1988.

#### 09800, 09900- Special Coatings, Painting

#### Organizations

**Architectural Spray Coaters Association (ASCA)**  
230 W. Wells, Suite 311  
Milwaukee, WI 53203  
(414) 273-3430

**Forest Products Laboratory (FPL)**  
1 Gifford Pinchot Dr.  
Madison, WI 53705-2398  
(608) 231-9467

**National Association of Decorative Architectural Finishes (NADAF)**  
112 N. Alfred St.  
Alexandria, VA 22314  
(703) 836-6504

**National Paint and Coatings Association (NPCA)**  
1500 Rhode Island Ave. NW  
Washington, DC 20005  
(202) 462-6272

**Painting and Decorating Contractors of America (PDCA)**  
3913 Old Lee Highway, Suite 33B  
Fairfax, VA 22030  
(703) 359-0826

#### 09800, 09900- Special Coatings, Painting

#### References

"Exterior Paint Problems on Historic Woodwork," *Preservation Brief* 10, NPS, #024-005-00885-3, 1982, 12 pp.  
*Exterior Wood in the South: Selection, Applications, and Finishes*, Southern Forest Products Association (see 06000), 1991, 56 pp.  
*Finishing Wood Exteriors: Application and Maintenance*, Agricultural Handbook 647, #001-000-044-50-8, U.S. GPO, 1986, 56 pp.  
*Finishing Exterior Wood Products*, NFPA (see 06000), 1991, 18 pp.  
"Finishing of Wood," Ch. 16, *Wood as an Engineering Material*, Agriculture Handbook 72, #001-000-04456-7, U.S. GPO, 1984, 27 pp.  
"Painting and Finishing Exterior Wood," P/A, Dec. 1991, pp. 29-34.

#### 09950 - Wallcovering

#### Organizations

**Wallcovering Manufacturers Association and Wallcovering Information Bureau (WMA and WIB)**  
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## DIVISION 12 - FURNISHINGS

#### Organizations

**American Society of Furniture Designers (ASFD)**  
521 S. Hamilton St.  
Box 2688  
High Point, NC 27261  
(919) 884-4074

**Business and Institutional Furniture Manufacturers Association (BIFMA)**  
2335 Burton St. SE  
Grand Rapids, MI 49506  
(616) 243-1681

**Contract Furnishings Council (CFC)**  
1190 Merchandise Mart  
Chicago, IL 60654  
(312) 321-0563

**FORMA, Center for Italian Furniture, Lighting, and Decorative Accessories.**  
Box 56689  
Atlanta, GA 30343  
(404) 525-0660

#### 12300 - Kitchens

#### References

*Recommended Performance and Construction Standards for Kitchen and Vanity Cabinets*, ANSI/KCMA A161.1, Kitchen Cabinets and Manufacturers Assoc., Reston, VA (703) 264-1690, 1990, 10 pp.

## DIVISION 13 - SPECIAL CONSTRUCTION

#### 13010 - Air Supported Structures

#### References

*Design of Air-Supported Structures*, Institution of Structural Engineers, #1351-5, American Society of Civil Engineers, New York, (800) 548-2723, 1984, 296 pp.

#### 13120 - Pre-Engineered Structures

#### Organizations

**Industrial Fabrics Association International (IFAI)**  
345 Cedar St., Suite 800  
St. Paul, MN 55101-1088  
(612) 222-2508

**Metal Building Manufacturers Association (MBMA)**  
1230 Keith Building  
Cleveland, OH 44115  
(216) 241-7333

#### 13150 - Aquatic Facilities

#### Organizations

**National Pool and Spa Institute**  
2111 Eisenhower Avenue  
Alexandria, VA 22314  
(703) 838-0083

## DIVISION 14 - CONVEYING SYSTEMS

#### Organizations

**National Association of Elevator Contractors (NAEC)**  
4053 La Vista Rd., Suite 120  
Tucker, GA 30084  
(404) 496-1270

#### References

*Elevators*, Monograph 14M200, CSI, 1987.  
*Elevator Abstracts: Including Escalators*, G. Barney, Halstead Press, 1987.  
*Escalators and Moving Walks*, SpecGUIDE G14300, CSI, 1989.

*Vertical Transportation: Elevators and Escalators*, 2nd ed., G. Strakosh, J. Wiley, 1983, 495 pp.

#### 14600 Hoists and Cranes

#### References

*Hoists and Cranes*, SpecGUIDE G14600, CSI, 1991.

## DIVISION 15 - MECHANICAL

#### 15300 - Fire Protection

#### References

*1989 Automatic Sprinkler Systems Handbook*, National Fire Protection Association (see Fire Protection), 1989, 700 pp.  
*Fire Sprinkler Systems*, Monograph 16M301, CSI, 1985.

#### 15400 - Plumbing

#### Organizations

**American Society of Plumbing Engineers**  
3617 Thousand Oaks Blvd, Suite 210  
Westlake Village, CA 91362  
(805) 495-7120

**American Society of Sanitary Engineering**  
Box 40362  
Bay Village, OH 44140  
(216) 835-3040

**National Association of Plumbing, Heating, Cooling Contractors**  
180 S. Washington  
Falls Church, VA 22040  
(703) 237-8100

**Plumbing Manufacturers Institute**  
800 Roosevelt Rd, Bldg C, Suite 20  
Glen Ellyn, IL 60137  
(708) 858-9172

#### References

*Plumbing Design and Installation Reference Guide*, T. Hicks, McGraw-Hill, 1986.  
*Practical Plumbing Design Guide*, J. Church, McGraw, 1987.

#### 15500 - Heating, Ventilating, and Air Conditioning

#### Organizations

**Air Diffusion Council (ADC)**  
111 E. Wacker Dr., Suite 200  
Chicago, IL 60601  
(312) 616-0800

**Air Movement and Control Association (AMCA)**  
30 W. University Dr.  
Arlington Heights, IL 60004  
(708) 394-0150

**American Gas Association (AGA)**  
1515 Wilson Blvd.  
Arlington, VA 22209  
(703) 841-8400

**American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE)**  
1791 Tullie Circle NE  
Atlanta, GA 30329  
(404) 636-8400

**American Society of Mechanical Engineers (ASME)**  
345 E. 47th St.  
New York, NY 10017  
(212) 705-7722

**Cooling Tower Institute (ETI)**  
Box 73383  
Houston, TX 77273  
(713) 583-4087

#### Hydronics Institute (HI)

35 Russo Pl.  
Box 218  
Berkeley Heights, NJ 07922  
(908) 464-8200

#### Institute of Heating and Air Conditioning Industries (IHACI)

606 N. Larchmont Blvd., Suite 4A  
Los Angeles, CA 90004  
(213) 467-1158

#### References

*ASHRAE Journal*, ASHRAE, monthly.  
*Handbook of Fundamentals*, ASHRAE, 1989.  
*HVAC: Design Criteria, Options, Selection*, W. Rowe, RS Means, 1988.  
*Residential Heating and Cooling*, 88108, ASHRAE.  
*A Practical Guide to Noise and Vibration Control for HVAC Systems*, M. Schaffer, ASHRAE, 1991, 190 pp.

#### 15880 - Air Distribution

#### Organizations

**Sheet Metal and Air Conditioning Contractors' Association International (SMACNA)**  
4201 Lafayette Center Drive  
Chantilly, VA 22022-1209  
(703) 803-2980

## DIVISION 16 - ELECTRICAL

#### Organizations

**American Council for an Energy-Efficient Economy (ACEEE)**  
2140 Shattuck Ave., Suite 202  
Berkeley, CA 94704  
(510) 549-9914

**Edison Electric Institute (EEI)**  
701 Pennsylvania Ave. NW  
Washington, DC 20004  
(202) 508-5000

**National Electrical Manufacturers Association (NEMA)**  
2101 L St. NW  
Washington, DC 20037  
(202) 457-8800

**Underwriters Laboratories (UL)**  
333 Pfingsten Rd.  
Northbrook, IL 60062  
(708) 272-8800

#### References

*Consumer Guide to Home Energy Savings*, A. Wilson and J. Morrill, ACEEE, 1991, 243 pp. (contains energy efficiency ratings of large appliances).  
*National Electrical Code Handbook*, National Fire Protection Association (see Fire Protection), 1990, 1250 pp.

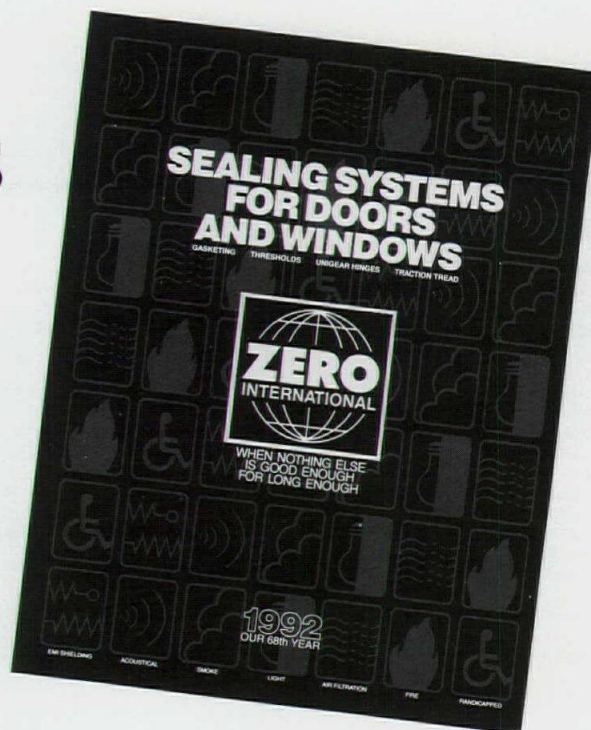
#### 16500 General Lighting Information

#### References

*Choosing Light Sources for General Lighting*, CP-32, IES, 1988, 12 pp.  
"Compact Fluorescent Lamps: What You Should Know," P/A, Aug. 1992 pp. 89-92.  
*Electronic Ballasts, Specifier Reports 1*, Lighting Research Center (see Lighting), 1992, 12 pp.  
*Guide to Performance Evaluation of Efficient Lighting Products*, Lighting Research Center (see Lighting), 1991, 56 pp.  
*Interior Luminaires*, SpecGUIDE G16510, CSI, 1990.  
*Minimum Efficiency Standards for Fluorescent and Incandescent Lamps*, A902, American Council for an Energy-Efficient Economy, Berkeley (510) 549-9914, 1990, 22 pp.  
"The High-Frequency Fluorescent Lamp System," P/A, Aug. 1992, pp. 97-100.



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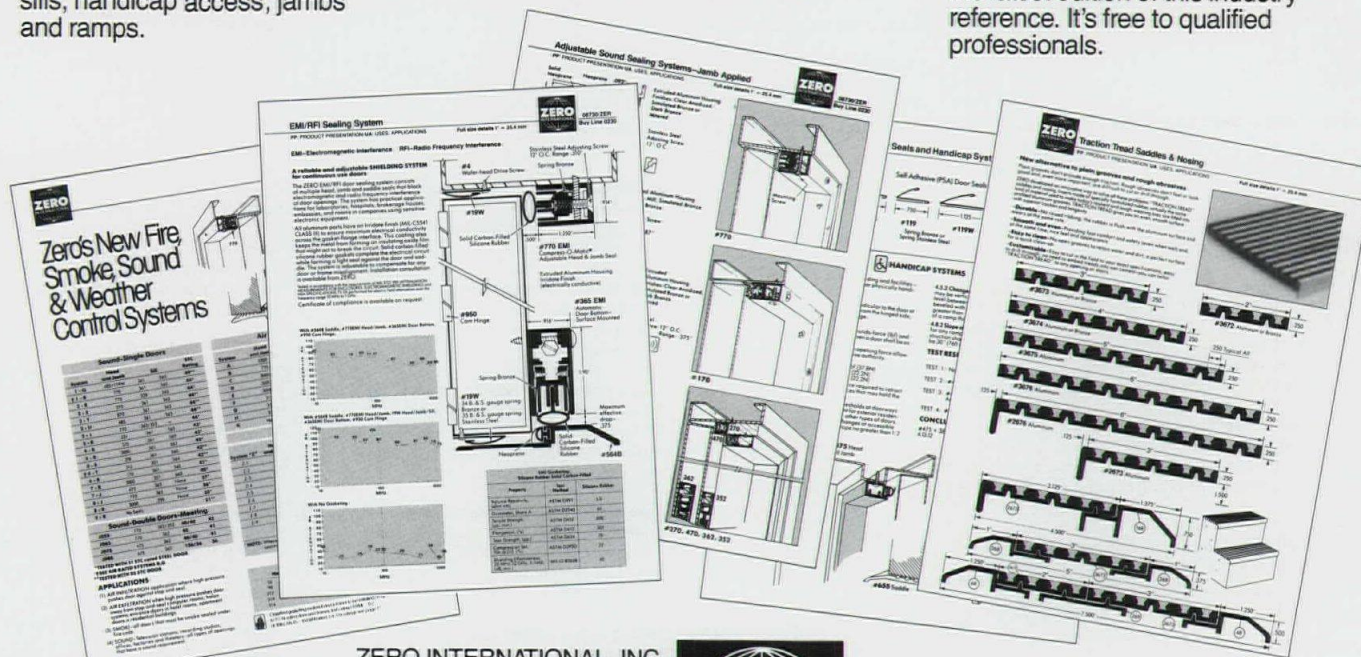
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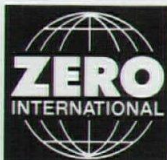
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# Reference

## Bibliographies, Publishers, General Information Sources

### BIBLIOGRAPHIES

#### Organizations

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American Institute of Architects Library  
1735 New York Ave., NW  
Washington, DC 20006  
(202) 626-7493

##### Bibliographic Guide to Art and Architecture

GK Fall and Company  
70 Lincoln St.  
Boston, MA 02111 (annual)  
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##### Garland Archives

136 Madison Ave.  
New York, NY 10016  
(212) 686-7492

##### Vance Bibliographies

122 North Charter St.  
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Monticello, IL 61856  
(217) 762-3831

##### World Architecture Index

Greenwood Publishing Group  
88 Post Road West  
Westport, CT 06881-3571  
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### PUBLISHERS

#### AIA Press

(800) 457-3239

#### AIA Bookstore

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#### Abbeville Press

(212) 888-1969

#### Aberdeen Group

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#### Harry N. Abrams

(800) 345-1359

#### American Arbitration Association

(212) 484-4000

#### American Plywood Association

(206) 565-6600

#### ANSI (American National Standards Institute)

(212) 354-3000

ASHRAE (American Society of Heating,  
Refrigerating, and Air Conditioning Engineers)  
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#### Arts & Architecture Press

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#### Hanley and Belfus

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#### Harcourt Brace Jovanovich

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#### HUD (Housing and Urban Development)

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**University of Texas Press**  
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**Yale University Press**  
(203) 432-0940

**Construction Index Architex**  
410 S. Michigan Ave., Suite 1008  
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(312) 939-3202

**Design Research Library**  
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Los Angeles, CA 90045  
(213) 641-1000

**Engineering Society Library**  
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New York, NY 10017  
(212) 705-7611

**Library of Congress, Architecture, Design, and Engineering Collection**  
Washington, DC 20540  
(202) 707-6399

**National Building Museum**  
Pension Building at Judiciary Square, NW  
Washington, DC 20001  
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## GENERAL INFORMATION SOURCES

### Organizations

**AIA Building Performance and Regulations Committee (AIA/BPRC)**  
1735 New York Ave., NW  
Washington, DC 20006  
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**AIA Information Hotline**  
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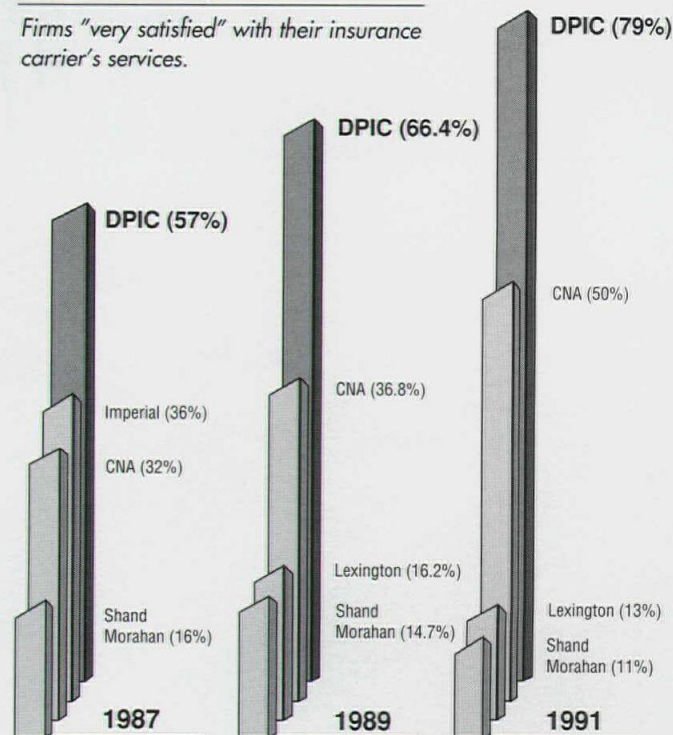
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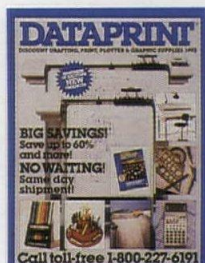
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**Reference Standards, Construction Methods & Equipment,  
Design Office Materials, Reference Books & Publications,  
Computer Systems, Computer Software Insurance**



**Category** Design Office Materials  
**Title** Dataprint - Drafting Supplies  
**Pages** 78

**Contents** D

**Applications** GT

Dataprint's 1992 catalog of discount drafting, print, plotter, and graphic supplies contains descriptions and prices for a full range of office needs.

**Dataprint** 102



**Category** Design Office Materials  
**Title** G.S. Direct Graphic Supplies  
**Pages** 48

**Contents** D

**Applications** GT

G.S. Direct's 1992 catalog lists a range of drafting materials and equipment, as well as office furniture.

**G.S. Direct** 103



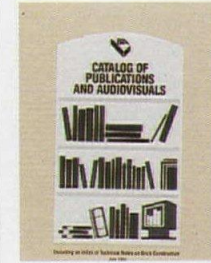
**Category** Design Office Materials  
**Title** Drafting & Graphics Supplies  
**Pages** 74

**Contents** D

**Applications** GT

Saga's 1992 catalog lists CAD products, drawing supplies, media, and furniture. It highlights Saga's own Stikybak paper.

**Saga** 104



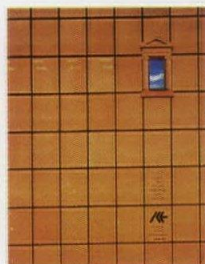
**Category** Reference Books  
& Publications  
**Title** Catalog of Publications  
**Pages** 12

**Contents** D I

**Applications** DI IS

This BIA Catalog of Publications and Audio Visuals offers material on the use of brick and a subject listing of the BIA Technical Notes.

**Brick Institute of America** 105



**Category** Reference Books  
& Publications  
**Title** Italian Furniture and Lighting  
**Pages** 60

**Contents** D

**Applications** IS

This package contains the names and addresses of Italian manufacturers, American retail stores, and Italian trade shows.

**Italian Trade Commission** 106



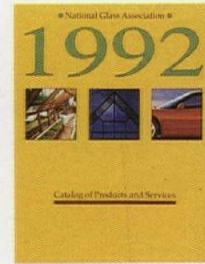
**Category** Reference Books  
& Publications  
**Title** Portland Cement Catalog  
**Pages** 53

**Contents** C D I S

**Applications** DI DS IS

This catalog contains product and service information for cement and concrete users, specifiers, and suppliers, as well as for educators.

**Portland Cement Association** 107



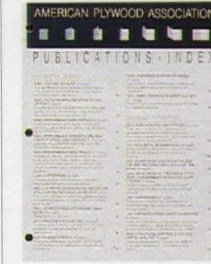
**Category** Reference Books  
& Publications  
**Title** Glass Products & Services  
**Pages** 40

**Contents** C

**Applications** DI DS IS

This is a compilation of all of the materials, services, and educational conferences offered to members of the glass industry.

**National Glass Association** 108



**Category** Reference Books  
& Publications  
**Title** APA Publications Index  
**Pages** 6

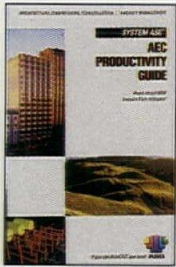
**Contents** I S

**Applications** DI DS IS

The APA Index lists the available brochures, source lists, and training aids for architects, builders, and engineers.

**American Plywood Association** 109





**Category** Computer Software

**Title** Productivity Guide

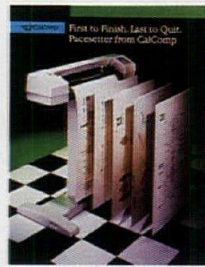
**Pages** 50

**Contents** I

**Applications** IS

This guide provides architects with a total set of software solutions from design to presentation and from construction details to specifications.

**ASG** 110



**Category** Computer Systems

**Title** Pacesetter

**Pages** 10

**Contents** D

**Applications** GT

This brochure describes Pacesetter pen plotters. They are easy to use, reliable, and have high-speed liquid inking ability.

**CalComp** 111



**Category** Computer Systems

**Title** Output Devices

**Pages** 16

**Contents** S

**Applications** GT

This pocket catalog offers complete information on the entire product line of high-speed, high-resolution output devices and pen plotters.

**Roland** 112



**Category** Computer Systems

**Title** Express Plotter 2

**Pages** 6

**Contents** D S

**Applications** GT

This Express Plotter simplifies the output of your drawings. It is easy to set-up and it has a fast plotting speed. The finished plot is labeled, cut, and stacked.

**Japan Digital Laboratory** 113



**Category** Computer Software

**Title** Electronic Catalog Library

**Pages** 7

**Contents** S

**Applications** IS

The Eclat library is an electronic catalog that allows professionals to research and specify products on their PC's. It contains full text and drawings.

**Electronic Catalog Library** 114



**Category** Computer Software

**Title** CAD Integration

**Pages** 16

**Contents** S

**Applications** GT

This brochure discusses central processing units, disk storage, monitors, digitizers, plotters, and CAD Integration.

**Cadpro** 115



**Category** Computer Software

**Title** MicroStation CAD

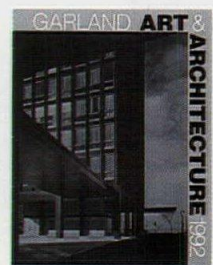
**Pages** 16

**Contents** S

**Applications** GT

This brochure describes MicroStation. This CAD software has more than 500 commands and features, including built-in rendering and graphical interface.

**Intergraph** 116



**Category** Reference Books

**Title** Garland Art & Architecture

**Pages** 48

**Contents** S

**Applications** IS

This catalog specifies the monographs on the work of famous architects, including Mies, Wright, Burnham, and LeCorbusier. Such monographs are the specialty of this publisher.

**Garland** 117



**Category** Computer Software

**Title** Lumen-Micro 5

**Pages** 8

**Contents** S

**Applications** GT

This computer program is a graphics-oriented, PC-based, indoor lighting and analysis program. Some key features are point-by-point calculations and 3D renderings.

**Lighting Technologies** 118



**Category** Insurance

**Title** Refuse Unlimited Liability

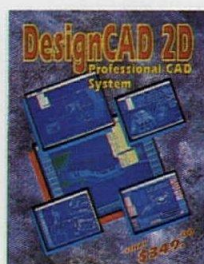
**Pages** 14

**Contents** S

**Applications** PM

This package of information provides details of how to use Limitations of Liability language in contracts and how to receive insurance premium credits of up to 25 percent.

**DPIC** 119



**Category** Computer Software

**Title** DesignCAD 2D

**Pages** 12

**Contents** S

**Applications** GT

DesignCAD has extensive drawing and editing features. Even though it offers power and flexibility, it is very easy to learn and use.

**American Small Business Computers** 120



**Category** Computer Software

**Title** Cadvance

**Pages** 12

**Contents** S

**Applications** GT

Cadvance can link Cad drawings to spreadsheets and databases. It updates information and graphics as the changes occur. Learn how to scan photos into your CAD drawings.

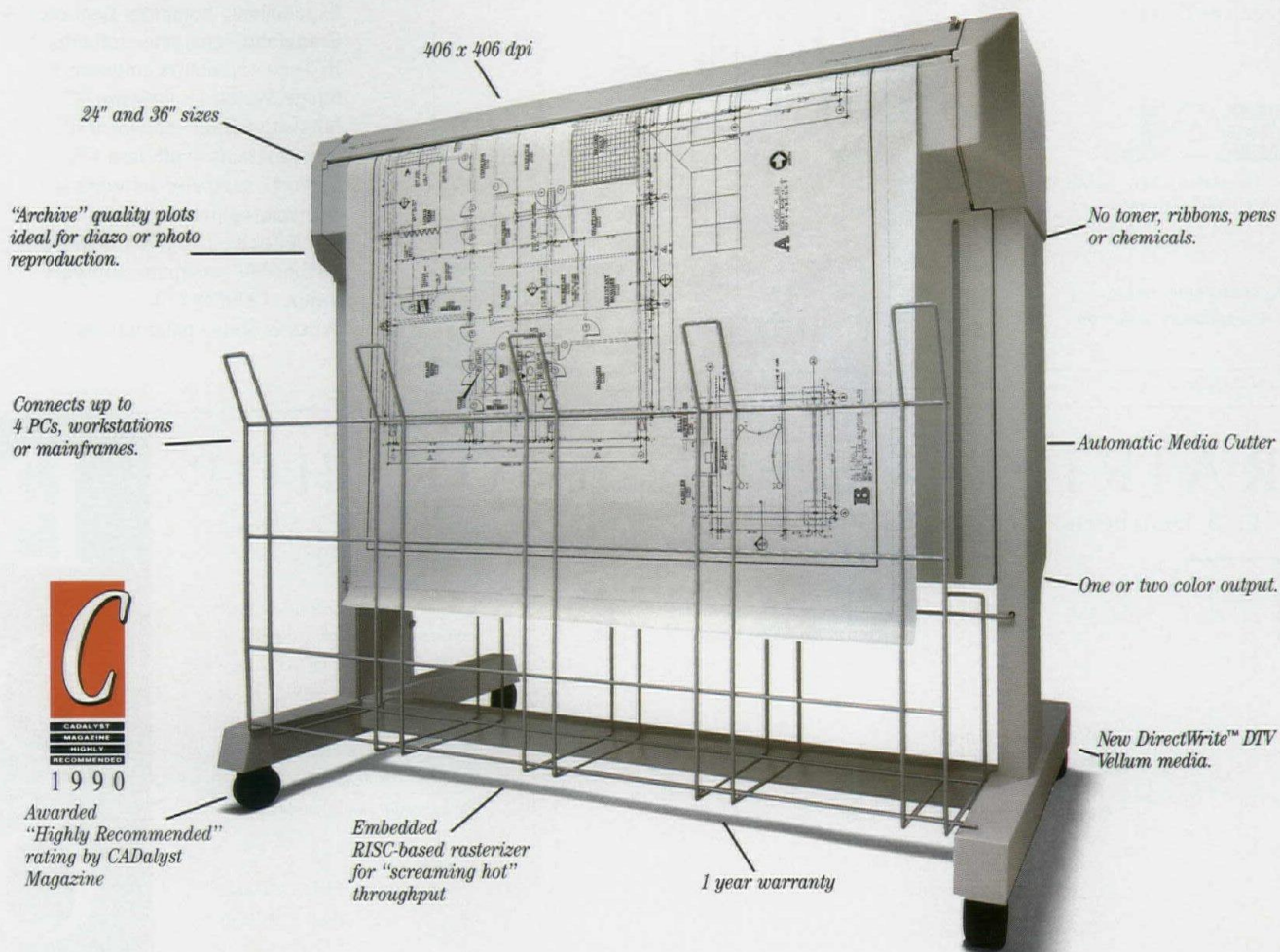
**ISICAD** 121



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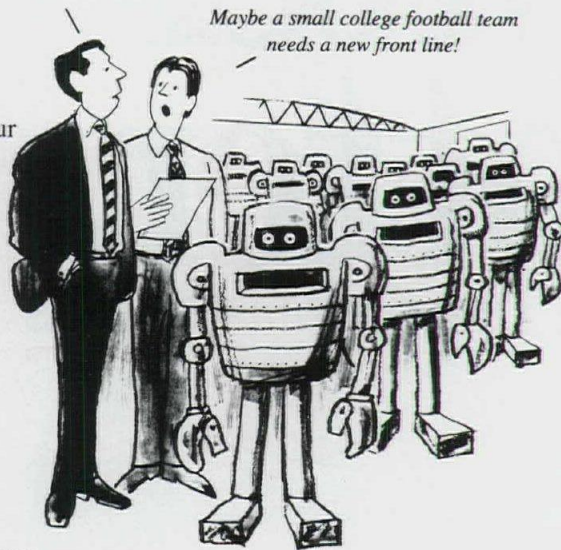


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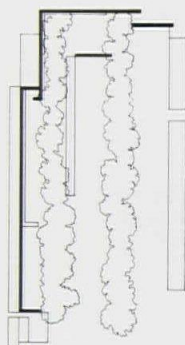


#### Other Relevant Products:

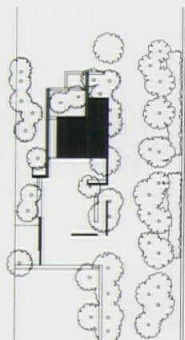
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**Drafix** - computer software 401  
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**Expoconsul** - computer systems 403  
**Graphisoft** - computer software 404  
**Hi-Tech** - computer software 405  
**Image Systems** - software 406  
**Innovative Data** - software 407  
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**Timberline** - computer software 412  
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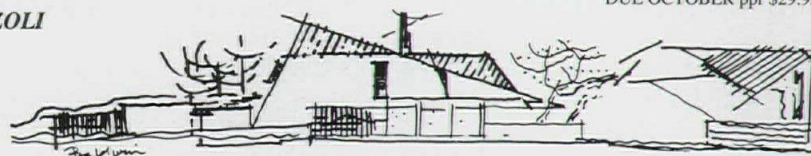
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# Division 02 - Sitework

## Earth Retainage, Pavers, Surface Drainage, Highway Privacy Walls, Landscape Accessories



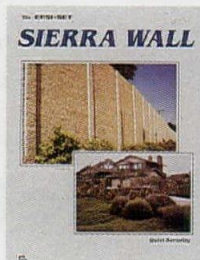
**Category** Pavers  
**Title** Decorative Paving  
**Pages** 12

**Contents** D I S

**Applications** D I DS

Sunshine Paver products include residential, poolside, commercial, and industrial applications. Complete CSI and ASTM/ANSI specifications are shown.

**Florida Brick and Clay** 124



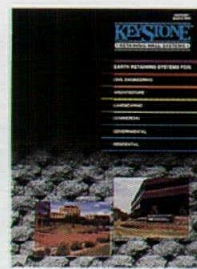
**Category** Highway Privacy Walls  
**Title** Sierra Wall - Quiet Security  
**Pages** 4

**Contents** D I S

**Applications** D I DS

This brochure describes how Easi-Set's custom precast concrete panels can be used to build privacy walls, security fences, retaining walls, and sound or sight barriers.

**Easi-Set** 125



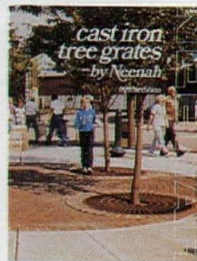
**Category** Earth Retainage  
**Title** Retaining Wall Systems  
**Pages** 8

**Contents** C D I S

**Applications** D I DS

These Retaining Wall Systems are concrete modules interlocked with reinforced fiberglass pins. This brochure describes the mortarless system in detail.

**Keystone** 122



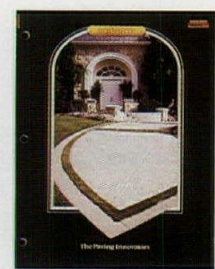
**Category** Landscape Accessories  
**Title** Cast Iron Tree Grates  
**Pages** 40

**Contents** D S

**Applications** D I DS

This updated catalog presents tree grates for urban and mall landscaping. In addition to the site-specific photographs, the catalog includes specifications.

**Neenah** 126



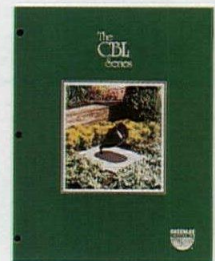
**Category** Pavers  
**Title** Bomanite Paving  
**Pages** 8

**Contents** D I S

**Applications** D I DS

This color brochure shows several installation types for over 50 patterns of paving. Two pages cover specifying details and application considerations.

**Bomanite** 123



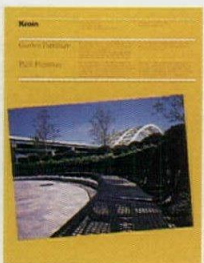
**Category** Landscape Accessories  
**Title** Landscape Lighting  
**Pages** 6

**Contents** D I S

**Applications** D I DS

This brochure describes Greenlee's corrosion-proof Composite Bullet fixture. This fixture provides optic control and versatility for landscape lighting.

**Greenlee** 127



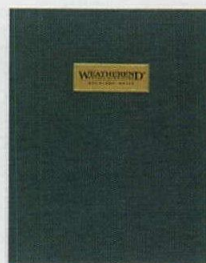
**Category** Landscape Accessories  
**Title** Garden and Park Furniture  
**Pages** 16

**Contents** D I S

**Applications** D I DS

This comprehensive series of wire-mesh furniture is designed for commercial installations. Individual and modular seating can form curved or linear configurations.

**Kroin** 128



**Category** Landscape Accessories  
**Title** Estate Furniture  
**Pages** 25

**Contents** D S

**Applications** D I

This catalog features color photographs, historical information, and specifications for this collection of elegant outdoor furniture.

**Weatherend** 129



**Category** Landscape Accessories  
**Title** Tree Feeder System  
**Pages** 8

**Contents** D I S

**Applications** DS

This product offers an approved method of feeding, watering, and aerating trees that are in paved areas such as parking lots, driveways, or streets.

**W.A.N.E.** 130



**Category** Landscape Accessories  
**Title** Sitecraft's Idea Book  
**Pages** 10

**Contents** D S

**Applications** D I DS

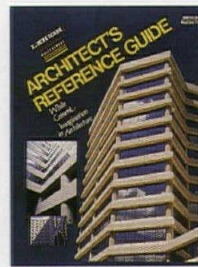
Sitecraft's Idea Book is a color presentation of site furnishings. These include planters, planter benches, and custom furnishings.

**Sitecraft** 131



# Division 03 - Concrete

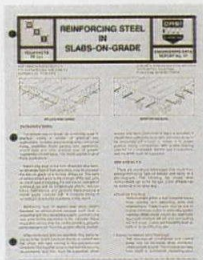
**Concrete Design Information, Concrete Materials, Concrete Reinforcement, Concrete Finishes, Precast Concrete, Cementitious Underlayment, Concrete Restoration & Cleaning**



**Category** Concrete Design Information  
**Title** Reference Guide  
**Pages** 60  
**Contents** D I S  
**Applications** DI DS  
 Lehigh Portland Cement offers this package of seven brochures describing precast concrete, cast-in-place concrete, concrete masonry units, terrazzo floors, and stucco.  
**Lehigh** 132



**Category** Concrete Materials  
**Title** Bonding Agents  
**Pages** 4  
**Contents** S  
**Applications** DS  
 This catalog provides application and specification data on bonding agents for concrete and Portland cement plaster. It includes Weld-Crete, Plaster-Weld, and Admix 101.  
**Larsen** 133



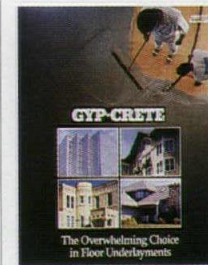
**Category** Concrete Reinforcement  
**Title** Reinforcing Steel in Slabs on Grade  
**Pages** 4  
**Contents** D T  
**Applications** DI  
 This technical engineering report discusses the use of both welded-wire fabric and reinforcing bars in a number of slab applications.  
**CRSI** 134



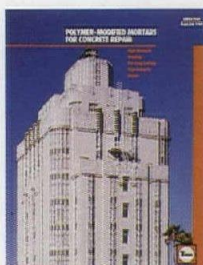
**Category** Concrete Finishes  
**Title** Concrete Coloring Systems  
**Pages** 4  
**Contents** S  
**Applications** DI DS  
 This brochure features Colorcure Concrete Sealer which is a water-based, colored, curing and finishing material. It also includes Cementone Clear Sealer.  
**Scofield** 135



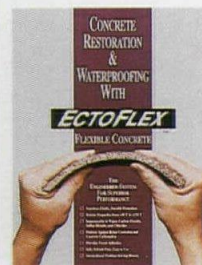
**Category** Precast Concrete  
**Title** Precast Building Panels  
**Pages** 8  
**Contents** D I S  
**Applications** DI DS  
 This brochure describes slenderwall, a lightweight precast building panel that meets both architectural and structural needs.  
**Smith-Midland** 136



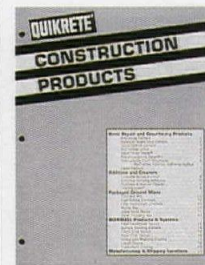
**Category** Cementitious Underlayment  
**Title** Floor Underlayments  
**Pages** 12  
**Contents** D S T  
**Applications** DS  
 This brochure describes how floor underlayments can be used for leveling uneven concrete or wooden floors, for fire and sound control, and for thermal mass.  
**Gyp-Crete** 137



**Category** Concrete Restoration & Cleaning  
**Title** Mortars for Concrete Repair  
**Pages** 8  
**Contents** T S  
**Applications** DS  
 This brochure describes eight specially formulated, polymer-modified repair mortars. Technical data and applications are given.  
**Thoro** 138



**Category** Concrete Restoration & Cleaning  
**Title** Flexible Concrete  
**Pages** 8  
**Contents** S  
**Applications** DS  
 Ectoflex is a flexible concrete restoration and waterproofing system. This brochure describes how it provides seamless protection.  
**Fibermesh** 139



**Category** Concrete Restoration & Cleaning  
**Title** Concrete Construction Products  
**Pages** 20  
**Contents** I S  
**Applications** DS  
 This catalog spotlights repair products, re-surfacing products, wall coatings, and waterproofing products for cement surfaces.  
**Quikrete** 140

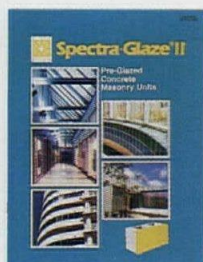
## Other Relevant Products:

**Cresset - finishes** 415  
**Grace - floors** 416  
**IJS - accessories** 417  
**Master Builders Tech. - restoration** 418  
**Syndesis - accessories** 419



# Division 04 - Masonry

## Mortar and Masonry Grout, Masonry Reinforcing & Accessories, Concrete Masonry Unit, Brick, Stone, Masonry Restoration & Cleaning, Simulated Stone



**Category** Concrete Masonry Unit

**Title** Spectra-Glaze II

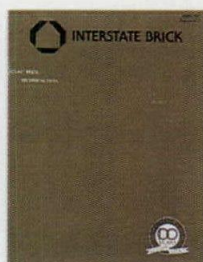
**Pages** 15

**Contents** C D S T

**Applications** DI DS

These units are light-weight, concrete blocks with a permanently glazed facing. The brochure shows different types, colors, sizes, and includes specifications.

**Burns & Russell** 143



**Category** Brick

**Title** Reinforced Brick

**Pages** 17

**Contents** C D I S

**Applications** DS

Discover new ways to design load bearing walls, shear walls, curtain walls, beams, and columns with Interstate Brick's Reinforced Hollow Clay Brick.

**Interstate Brick** 144



**Category** Concrete Unit Masonry

**Title** Astro-Glaze-SW

**Pages** 8

**Contents** C D S

**Applications** DI DS

These glazed masonry units are concrete blocks with a thermosetting glazing compound permanently molded to one or more faces. The brochure describes the shapes and finishes.

**Trenwyth** 145



**Category** Brick

**Title** Millenium Collection

**Pages** 20

**Contents** D I S

**Applications** DI DS

This brochure describes this structural glazed wall system for exterior applications. Four different series of products are detailed in this collection.

**Stark** 146



**Category** Stone

**Title** Cold Spring Granite

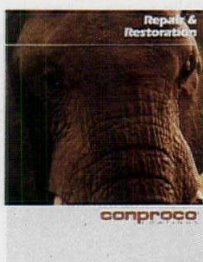
**Pages** 20

**Contents** C D S

**Applications** DI DS

This granite quarrier and fabricator offers 28 granite colors and a variety of distinct finishes for design flexibility. Exterior and interior applications are discussed.

**Cold Spring Granite** 147



**Category** Masonry Restoration & Cleaning

**Title** Repair & Restoration

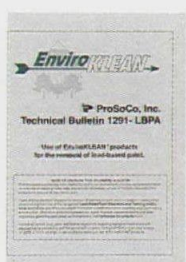
**Pages** 6

**Contents** I S

**Applications** DS

Conproco offers a wide range of construction coating systems for the restoration and repair of above- and below-grade waterproofing.

**Conproco** 148



**Category** Masonry Restoration & Cleaning

**Title** Enviroklean

**Pages** 20

**Contents** I T

**Applications** IS

This bulletin describes the risks created by lead in the environment and shows how to use Enviroklean to remove lead based paint.

**ProSoCo** 149



**Category** Simulated Stone

**Title** Wall Cladding

**Pages** 4

**Contents** D S

**Applications** DI DS

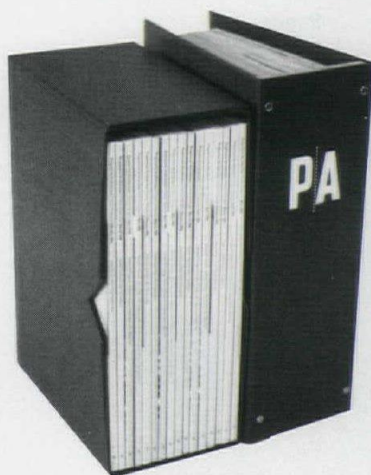
This wall cladding is made of crystallized glass but has the appearance of granite or marble. It is for exterior as well as interior use.

**N.E.G.** 150



**Other Relevant Products:**

**Amermarble - marble** 420  
**Creative Edge - stone** 421  
**Cushwa Brick - brick** 422  
**Lehigh - mortar** 423  
**Lodestar - stone** 424  
**Masterstone - stone** 425  
**Portland Cement - mortar & masonry grout** 426



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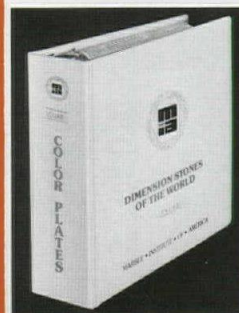
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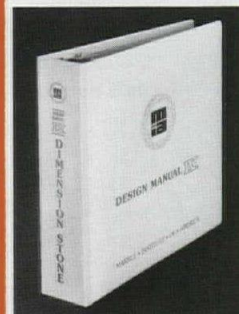
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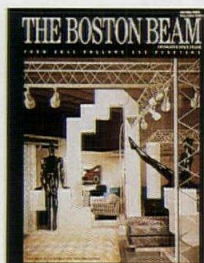
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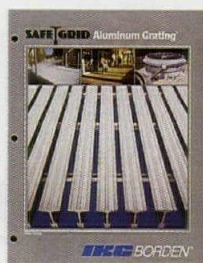


# Division 05 - Metals

**Metal Finishes, Metal Coatings, Metal Fastening, Structural Metal Framing, Gratings & Trench Covers, Sheet Metal Fabrications, Architectural Metalwork, Spiral & Circular Stairs, Metallic Laminates Railings & Handrails, Expansion Control**



**Category** Structural Metal Framing  
**Title** Decorative Space Frame  
**Pages** 6  
**Contents** D  
**Applications** DI DS  
 This decorative space frame comes in two-sided, triangular, and square configurations. It is a finished welded construction of steel tubing and wire webbing.  
**Boston Retail Products** 153



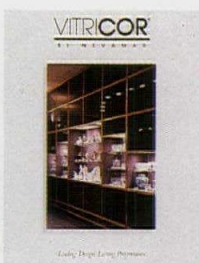
**Category** Gratings & Trench Covers  
**Title** Safe-T-Grid Aluminum Grating  
**Pages** 6  
**Contents** C D S  
**Applications** DS  
 This T-bar grating design is lightweight and strong. It is ideal for high-traffic pedestrian areas that require free passage of air and/or water.  
**IKG Borden** 154



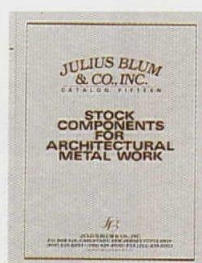
**Category** Sheet Metal Fabrications  
**Title** CADalog  
**Pages** 10 plus 2 diskettes  
**Contents** C D S  
**Applications** DS GT  
 This CADalog contains Flashing Systems and Aluminum Architectural Moldings. The diskettes contain detailed drawings and custom specifications.  
**Fry Reglet** 155



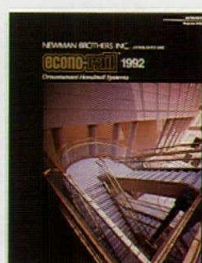
**Category** Spiral & Circular Stairs  
**Title** Custom Designed Spiral Stairs  
**Pages** 12  
**Contents** D S  
**Applications** DI DS  
 This catalog contains design ideas for spiral and custom stairs. It contains descriptions, dimensions, illustrations, and specifications.  
**Stairwaves** 156



**Category** Metallic Laminates  
**Title** Vitricor  
**Pages** 8  
**Contents** S  
**Applications** DI DS  
 This four-color brochure profiles Vitricor, an metallic-like acrylic laminate. The brochure offers suggested applications and technical information, and shows color ranges.  
**Nevamar** 157



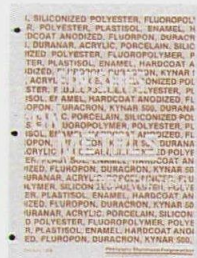
**Category** Railings & Handrails  
**Title** Stock Components for Architectural Metal Work  
**Pages** 132  
**Contents** D S  
**Applications** DS  
 Catalog 15 describes the complete line of railings and ornamental metal components. Dimensions and specifications are included.  
**Julius Blum** 158



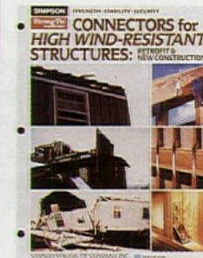
**Category** Railings & Handrails  
**Title** Ornamental Handrail Systems  
**Pages** 12  
**Contents** D S  
**Applications** DI DS  
 This brochure describes glass and wood railing systems, posts, and handrail brackets. It includes full-size railing section drawings and specifications.  
**Newman** 159



**Category** Expansion Control  
**Title** Expansion Joint Systems  
**Pages** 20  
**Contents** D S T  
**Applications** DS  
 These expansion joints are flexible seals capable of blending into any interior. They are available from 1 inch to 16 inches and eliminate unsightly metal covers.  
**C/S Group** 160



**Category** Metal Finishes  
**Title** Finishes on Metals  
**Pages** 15  
**Contents** S T  
**Applications** DS IS  
 This reference book provides information on the various coating systems used on metals. Also listed are paint brand names and Aluminum Association designations.  
**Petersen Aluminum** 151



**Category** Metal Fastening  
**Title** Connectors  
**Pages** 16  
**Contents** D S  
**Applications** DS  
 This brochure on connectors for high wind-resistant structures describes how these fasteners strengthen existing or new wood structures.  
**Simpson Strong-Tie** 152



**Other Relevant Products:**

**Arcways - spiral & circular stairs**

427

**Copper Sales - architectural**

metalwork 428

**Crownaluma - railings** 429

**EBI - metal coatings** 430

**Georgia-Pacific - metal**

fastening 431

**Hewi - railings & handrails** 432

**Historical Arts & Casting -**

metalwork 433

**KDI Paragon - railings** 434



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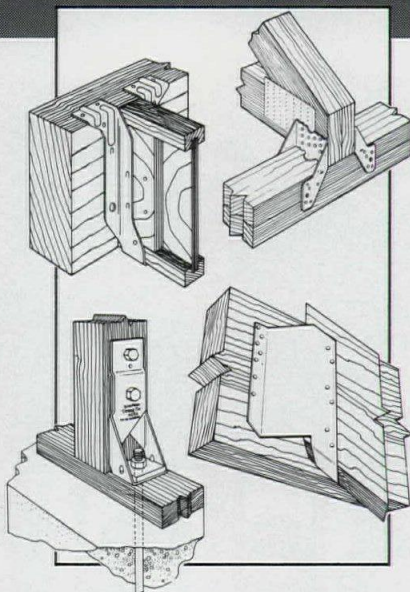


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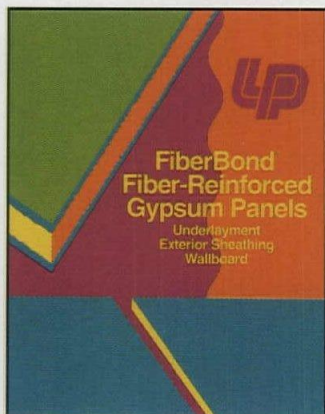
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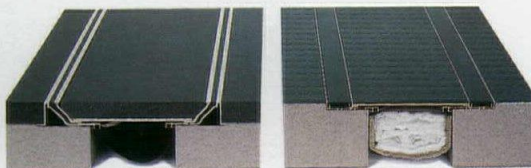
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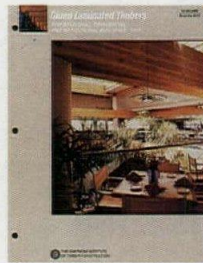


# Division 06 - Wood and Plastics

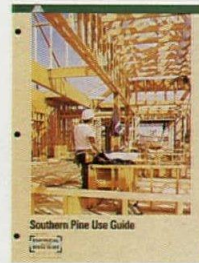
**Lumber, Processed Sheets, Connectors & Supports, Prefabricated Structural Wood, Glued Laminated Timber, Prefabricated Wood Joists & Trusses, Laminates, Prefinished Wood Paneling, Custom Casework, Plastic Fabrications**



**Category** Glued Laminated Timber  
**Title** BoiseBEAM and BoiseDEK  
**Pages** 40  
**Contents** D S  
**Applications** DS  
BoiseDEK is a laminated structural roof deck. BoiseBEAM is a beam composed of wood laminations bonded together with adhesives. Each product has specifications.  
**Boise Cascade** 163



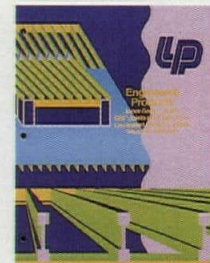
**Category** Glued Laminated Timber  
**Title** Glued Laminated Timbers  
**Pages** 28  
**Contents** D S T  
**Applications** DI DS  
This brochure provides comprehensive details on the design and engineering attributes of glued laminated timbers for commercial and industrial uses.  
**AITC** 164



**Category** Lumber  
**Title** Southern Pine Use Guide  
**Pages** 16  
**Contents** D S T  
**Applications** DS  
This Use Guide has complete product descriptions, grade recommendations, design values, and specifications for dimension lumber and pressure-treated Southern Pine.  
**Southern Pine** 161



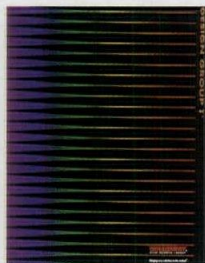
**Category** Prefabricated Wood Joists & Trusses  
**Title** Wood I Beam  
**Pages** 28  
**Contents** C D I S  
**Applications** DS  
This brochure includes a complete product description of Wood I Beam joists. It includes engineering values and specifications.  
**Georgia-Pacific** 165



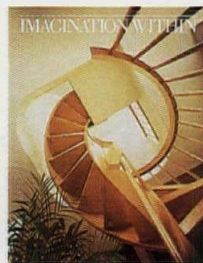
**Category** Prefabricated Structural Wood  
**Title** Engineered Products  
**Pages** 8  
**Contents** D T  
**Applications** DS  
This brochure discusses Inner-Seal I-Joists, GNI Joists, Gang Lam, and Laminated Veneer. It includes span and uniform load charts.  
**Louisiana-Pacific** 162



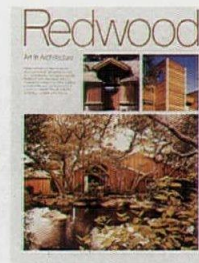
**Category** Laminates  
**Title** Mettle Mica  
**Pages** 20  
**Contents** D S  
**Applications** DS  
The October Company provides decorative laminates in metal, stone, and etched aluminum. Technical information sheets and sample swatches are included.  
**October** 166



**Category** Laminates  
**Title** Decorative Laminates  
**Pages** 24  
**Contents** S  
**Applications** DS  
This brochure describes the 234 colors and patterns of Wilsonart's collection of decorative laminates. Complete specification information is provided.  
**Ralph Wilson Plastics** 167



**Category** Prefinished Wood Paneling  
**Title** Imagine Within Idea Book  
**Pages** 44  
**Contents** D  
**Applications** DI  
This idea book features 60 different application ideas for elegant, affordable, and durable hardwood flooring, doors, cabinets, stairs, railings, and more.  
**Hardwood Institute** 168



**Category** Prefinished Wood Paneling  
**Title** Redwood Siding and Paneling  
**Pages** 8  
**Contents** D S  
**Applications** DI DS  
This booklet provides information on redwood siding and paneling for interior and exterior applications. It includes sizes, patterns, and technical information.  
**California Redwood** 169



**Category** Custom Casework  
**Title** Architectural Millwork and Casework  
**Pages** 20  
**Contents** S  
**Applications** DS  
This catalog features millwork and casework that is available in the specifier's choice of wood. It includes doors, mouldings, and more.  
**Kentucky Millwork** 170



# GAMBLE



Let's face it. With ordinary paper-faced gypsum sheathing, there's no guarantee that it will stand up to problems like rain, wind, snow or humidity. In the face of adversity, it can sag, buckle, warp and delaminate. Which can create adversity for you.

Georgia-Pacific presents an innovation in sheathing: G-P Dens-Glass® Gold. Named for its unique gold alkali-resistant coating, Dens-Glass Gold is truly the next generation in sheathing. Superior performance proves it. And a remarkable warranty backs it up.

**THE WINNING NUMBERS** What do we mean by "superior performance?" Check the box and compare the numbers. At about the same weight as ordinary gypsum sheathing, Dens-Glass Gold is a heavyweight in performance. Twice the flexural strength, in the 4' direction. Five times better in humidified deflection. Half the susceptibility to water absorption.\* Pick any number: Dens-Glass Gold outperforms the ordinary every time.

**MULTIPLE APPLICATIONS, MULTIPLE ADVANTAGES** Unlike paper-faced gypsum, Dens-Glass Gold is ideal for exterior finish systems with or without insulation. In EIFS applications, the unique gold coating eliminates the need for primer, and enhances the bonding of the system. On exteriors such as wood, brick, stucco and others, the use of building felt is normally unnecessary (unless local building codes indicate otherwise). Fiberglass mats front and back and a silicone-treated core enhance its weather-resistance, allowing interior work to proceed, rain or shine. All in all, Dens-Glass Gold saves money, labor, time and aggravation.

# GUARANTEE



## THE WORLD'S STRONGEST SHEATHING GUARANTEE

G-P offers the industry's strongest sheathing warranty. Dens-Glass Gold is warranted against delamination, warping and related moisture damage for up to six months of continuous exposure to weather—plus a five-year limited warranty against manufacturing defects. In other words, if Dens-Glass Gold does not perform, G-P will replace it.\*

If you've been gambling on ordinary paper-faced sheathing, it's time you did an about-face. Ask for G-P Dens-Glass Gold. Sheathing made extraordinary.

Properties	1/2" Dens-Glass Gold® Gypsum Sheathing	1/2" Regular Gypsum Sheathing
Flexural Strength, parallel, lbs.		
face up	100	40 <sup>1</sup>
face down	94	40 <sup>1</sup>
Flexural Strength, Perpendicular lbs		
face up	141	110 <sup>1</sup>
face down	151	110 <sup>1</sup>
Hardness, lbs. core	29	15 <sup>1</sup>
end	25	15 <sup>1</sup>
edge	41	15 <sup>1</sup>
Water Absorption, % by weight	5.0	10.02
Surface Water Absorption	.83	1.6
Humidified Deflection, inches	1/4"	10/8"
Flamespread	0	15

NOTE: Tests conducted in accordance with ASTM guidelines.

<sup>1</sup> Minimum requirements for ASTM C-79 standards specification.

<sup>2</sup> Maximum requirements for ASTM C-79 standards specification.

\* For a free 20-page brochure including warranty information, specifications and physical properties, call Georgia-Pacific: **1-800-447-2882**, Operator #737. Look for us in Sweet's Section #09250 GEN.

"Dens-Glass" is a registered trademark and "Georgia-Pacific. Ask for it" is a trademark of Georgia-Pacific Corporation. ©1990, Georgia-Pacific Corporation. All rights reserved. Simulation of actual test.

**Georgia-Pacific**



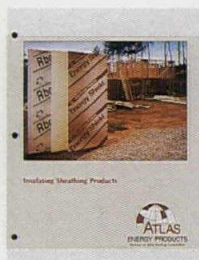
# GEORGIA-PACIFIC. ASK FOR IT.™

Circle No. 853 on Reader Service Card



# Division 07 - Thermal & Moisture Protection

**Waterproofing & Dampproofing, Insulation, Fireproofing, Shingles, Roofing Tiles, Preformed Roof & Wall Panels, Composite Building Panels, Siding, Membrane Roofing, Metal Roofing, Metal Flashing & Trim, Roof Accessories, Unit Skylights, Skylight Structures, Sealants**



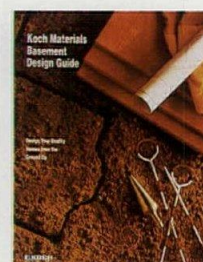
**Category** Insulation  
**Title** Insulating Sheathing Products  
**Pages** 6  
**Contents** C D  
**Applications** Ds  
 Atlas Energy Shield Sheathing provides an envelope of insulation that covers both batt and stud. Physical properties, thermal values, and test results are listed.  
**Atlas** 173



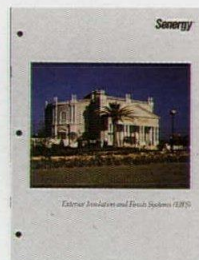
**Category** Insulation  
**Title** CADalog of Exterior Insulation and Finish Systems  
**Pages** 10 plus 2 diskettes  
**Contents** D S  
**Applications** DS GT  
 This CADalog contains product information, specifications, and standard details. It interfaces with most CAD systems.  
**Simplex** 174



**Category** Waterproofing & Dampproofing  
**Title** Above Grade Waterproofing  
**Pages** 6  
**Contents** I S  
**Applications** DS  
 This is an easy and fast visual reference guide to thermal and moisture protection for concrete and masonry. Information on curing time is included.  
**Conproco** 171



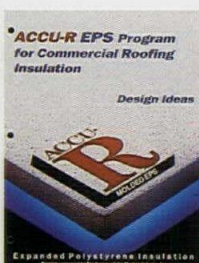
**Category** Waterproofing & Dampproofing  
**Title** Basement Design Guide  
**Pages** 26  
**Contents** D I S  
**Applications** DS  
 This guide highlights construction techniques and design considerations for a dry basement. It explains drainage and thermal protection systems.  
**Koch** 172



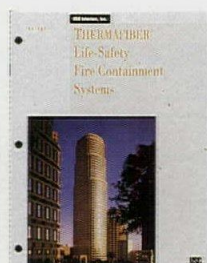
**Category** Insulation  
**Title** Exterior Insulation and Finish Systems  
**Pages** 10  
**Contents** D S T  
**Applications** DI DS  
 Senergy's EIFS can be used to create versatile building facades. This catalog contains shapes and colors.  
**Senergy** 175



**Category** Insulation  
**Title** Foam Products  
**Pages** 12  
**Contents** D I  
**Applications** DS  
 This brochure details AMOFOAM and AMOCOR fanfolded insulation products, which are available for residential and commercial uses. Installation guidelines are included.  
**Amoco** 176



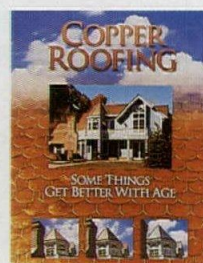
**Category** Roof & Deck Insulation  
**Title** Expanded Polystyrene Insulation  
**Pages** 8  
**Contents** D S  
**Applications** DS  
 This brochure provides a detailed overview of EPS insulation product characteristics, properties, and usage. The drawings illustrate the various product applications.  
**Society for Plastics Industry** 177



**Category** Fireproofing  
**Title** Thermafiber  
**Pages** 20  
**Contents** D S T  
**Applications** DS  
 Thermafiber is a fireprotection insulation. The information includes fire ratings, testing methods, test results, and specifications.  
**USG** 178



**Category** Fireproofing  
**Title** Sprayed Fireproofing Products  
**Pages** 8  
**Contents** D I S  
**Applications** DS  
 Isolatek has reformulated its spray-applied fireproofing to achieve a higher density, greater bond, greater compressive strength, and a more uniform mix.  
**Isolatek** 179



**Category** Shingles  
**Title** Copper Roofing  
**Pages** 4  
**Contents** D I  
**Applications** DI DS  
 These shingles are made of copper bonded to the top surface of fiberglass-reinforced shingles. They are lightweight and weather to a green patina.  
**Tegola** 180



# **PAC-CLAD<sup>®</sup>**

## **Metal Roofing Panels**

**W**hen an electrical fire damaged St. Paul's Middle School in Brooklandville, Maryland, school officials decided it was time for a total renovation.

The school, originally a carriage house built in the 1700's, had expanded over the years with the addition of classrooms, a chapel, and more. Now a well-known landmark, a primary consideration was to maintain the building's original character.

For the roof, PAC-CLAD Metal Roofing Panels were selected by the architectural firm of Grieves & Associates. Not only did the panel's Arcadia Green match the existing color, the integral standing seam profile duplicated the original appearance and provided the owner with a UL 90 assembly.

PAC-CLAD panels are available in 23 standard colors. The Kynar 500<sup>®</sup> finish is covered by a non-prorated 20 year warranty. For technical information and assistance, please contact Petersen Aluminum Corporation at **1-800-PAC-CLAD**.



955 Estes Avenue, Elk Grove Village, IL 60007  
**1-800-PAC-CLAD or 1-708-228-7150 FAX: 1-800-722-7150**

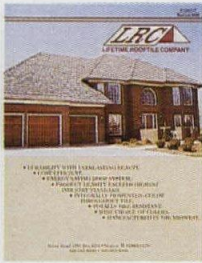
Other Plant Locations:  
 Annapolis Junction, MD Tyler, TX  
 1-800-344-1400 1-800-441-8661

Circle **No. 875** on Reader Service Card

**Project:** St. Paul's Lower School Building  
 Brooklandville, MD  
**Architect:** Grieves & Associates  
**General Contractor:** Henry H. Lewis Contractors Inc.  
**Roofing Contractor:** Pick Brothers  
**Custom Color:** Arcadia Green  
**Profile:** Integral Standing Seam



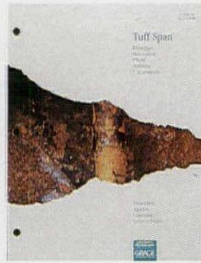




**Category** Roofing Tiles  
**Title** Lifetime Rooftile  
**Pages** 4  
**Contents** D S  
**Applications** DS

This catalog contains information and special features on four different types of roof tiles. Specifications and data on the tiles are included.

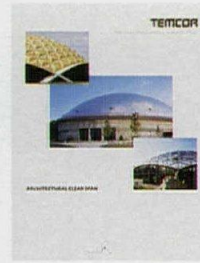
**LRC** 181



**Category** Preformed Roof & Wall Panels  
**Title** Tuff Span  
**Pages** 8  
**Contents** C D S  
**Applications** DS

Tuff Span is a sandwich system of plastic paneling that is insulated and fiberglass reinforced. Specifications are included.

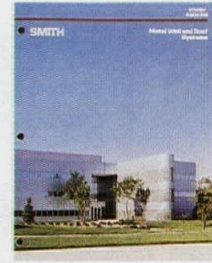
**Grace** 182



**Category** Preformed Roof & Wall Panels  
**Title** Clear-Span Construction  
**Pages** 16  
**Contents** D S  
**Applications** DI DS

Clear-Span Roof Systems are all-aluminum structures that are custom engineered in any size up to 700 feet in span.

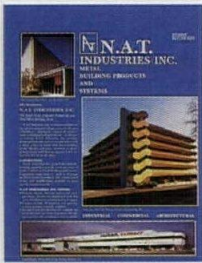
**Temcor** 183



**Category** Perforated Roof & Wall Panels  
**Title** Metal Wall and Roof Systems  
**Pages** 28  
**Contents** D S  
**Applications** DS

E.G. Smith manufactures and erects metal panel curtainwall systems. The brochure explains its full erection services.

**E.G. Smith** 184



**Category** Preformed Roof & Wall Panels  
**Title** Steel Aluminum Roofing & Siding Panels  
**Pages** 8  
**Contents** D S  
**Applications** DS

The products detailed in this brochure include exposed fasteners, concealed fasteners, and standing seam panels.

**N.A.T.** 185



**Category** Preformed Roof & Wall Panels  
**Title** Building Enclosure Systems  
**Pages** 28  
**Contents** D S  
**Applications** DS

This catalog contains information and case history photos of panels, coating systems, roofing, and ventilation.

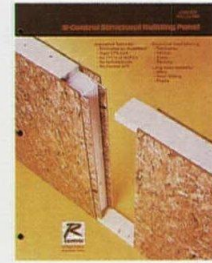
**Steelite** 186



**Category** Composite Building Panels  
**Title** Architectural Building Panels  
**Pages** 8  
**Contents**

These insulated porcelain-on-aluminum panels are for retrofit applications such as window replacement and enclosure, curtain walls, glazing, and veneers.

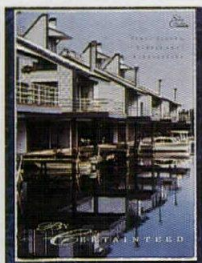
**Mapes** 187



**Category** Composite Building Panels  
**Title** R-Control Structural Panel  
**Pages** 8  
**Contents** D S  
**Applications** DS

This R-Control Panel is a strong one-piece structural system that provides insulation in exterior walls, roofing, and flooring. Specifications are included.

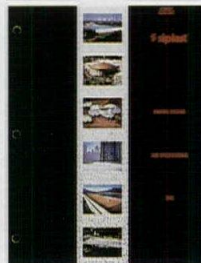
**AFM** 188



**Category** Siding  
**Title** Vinyl Siding and Accessories  
**Pages** 20  
**Contents** D I S  
**Applications** DS

This brochure illustrates the complete selection of vinyl siding available from CertainTeed as well as the design, color, and application of each style.

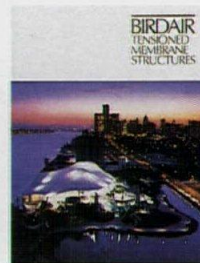
**CertainTeed** 189



**Category** Membrane Roofing  
**Title** Roofing Systems  
**Pages** 24  
**Contents** D I S  
**Applications** DS

This catalog is a complete listing of Siplast's line of roofing systems. Clear illustrations show specifications, details, and slope requirement information.

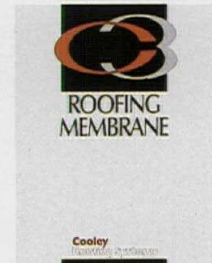
**Siplast** 190



**Category** Membrane Roofing  
**Title** Tensioned Membrane Structures  
**Pages** 28  
**Contents** S  
**Applications** DI DS

Birdair is a full service contractor specializing in tensioned membrane structures. This brochure contains over 50 photographs and project descriptions.

**Birdair** 191



**Category** Membrane Roofing  
**Title** C-3 Roofing Membrane  
**Pages** 80  
**Contents** C D S  
**Applications** DS GT

C-3 is a heat-welded, reinforced single-ply, thermoplastic alloy roof system. This complete guide includes specifications and detailed drawings.

**Cooley** 192



# GOODYEAR HAS TAKEN A GREAT ROOFING IDEA



## AND EXPANDED ON IT.

**Introducing 10' 3" wide Versiweld™ Roofing System for ballasted applications.**

At Goodyear, one great idea often leads to another. In this case, we've taken our one-of-a-kind, white 6' wide Versiweld single-ply mechanically-fastened system and made it *two-of-a-kind* with the development of a black 10' 3" wide roll especially for ballasted applications.

New Versiweld's wider membrane and heat-weldable seams significantly reduce your installation time. In fact, with Versiweld membrane you can complete 100' of seams in a quarter of the time required for standard EPDM systems. The unique size of the roll gives you a net coverage of 1,000 square feet to make estimating easier than ever. The seams form a strong molecular bond that's impervious to moisture, while the absence of plasticizers in the membrane eliminates shrinking and cracking. New Versiweld ballasted systems also eliminate the need for time-con-

suming primers, adhesives and caulking.

Versiweld Roofing System's 45 mil or optional 60 mil polymer membrane gives your ballasted installations a degree of durability that resists punctures and tearing. And Goodyear backs the Versiweld Roofing System's performance with warranties of up to 20 years.

If you're looking for a sizable improvement in ballasted systems, ask for Goodyear's new 10' 3" wide Versiweld Roofing System. For more information, contact your Goodyear Field Sales Engineer or Full Service Distributor. Or call 1-800-992-7663. In Ohio call 1-800-231-5867.

**Challenge Us.**

*We're not satisfied until you are.*

**GOODYEAR**

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**Category** Membrane Roofing  
**Title** Roofing and Waterproofing Systems  
**Pages** 28  
**Contents** D S  
**Applications** DS

This manual contains information and specifications on built-up roofing, waterproofing, and damproofing. It also includes bitumen membrane systems.  
**Koppers** 193



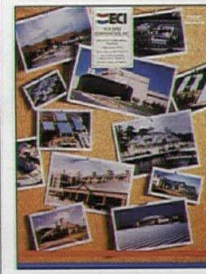
**Category** Membrane Roofing  
**Title** Single-Ply Roofing Systems  
**Pages** 16  
**Contents** D I S  
**Applications** DS

This EPDM roofing manual guides specifiers in the selection and application of all Firestone single-ply roofing systems. It outlines advantages and installations.  
**Firestone** 194



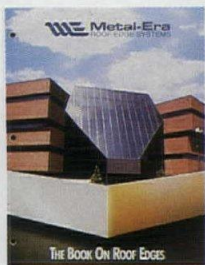
**Category** Metal Roofing  
**Title** Pac-Clad  
**Pages** 32  
**Contents** D S  
**Applications** DS

This brochure describes steel & aluminum roofing panels, copings, gravel stops, soffits, and fascia. Materials, finishes, and specifications are included.  
**Petersen** 195



**Category** Metal Roofing  
**Title** Building Components  
**Pages** 28  
**Contents** D S  
**Applications** DS

This brochure features the patented VersaLok SSR system and ECI's field-assembled insulated wall systems. Products include single-skin and foamed insulated panels.  
**ECI** 196



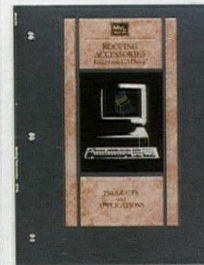
**Category** Metal Flashing & Trim  
**Title** Roof Edge Systems  
**Pages** 16  
**Contents** D S  
**Applications** DS

This brochure outlines commercial and industrial roof termination products such as copings, gutters, pitch pans, reglets, drain bars, and fascia.  
**Metal-Era** 197



**Category** Metal Flashing & Trim  
**Title** Leading Edge  
**Pages** 12  
**Contents** D S  
**Applications** DS

Hickman features copings, gravel stops, roof edging, expansion joints, reglets, roof drains, and accessories. Detailed drawings and specifications are included.  
**Hickman** 198



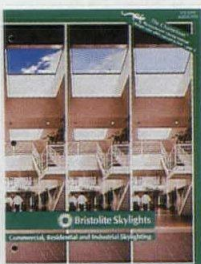
**Category** Roof Accessories  
**Title** CADalog of Roofing Accessories  
**Pages** 10 plus 2 diskettes  
**Contents** D S  
**Applications** DS GT

This CADalog provides product data, detail drawings, and CSI-formatted specifications. It contains 31 CAD-exportable, scaled, dimensioned drawings.  
**Manville** 199



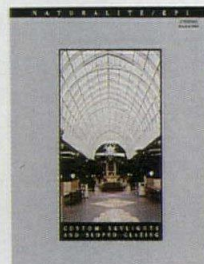
**Category** Roofing  
**Title** Waterproof by Design  
**Pages** 8  
**Contents** S  
**Applications** DS

This brochure describes Premium Polymers, CFC-free roofing, which has no insulation joints, fasteners, seams, or felts.  
**Premium Polymers** 200



**Category** Unit Skylights  
**Title** Skylights  
**Pages** 20  
**Contents** D S  
**Applications** DI DS

Bristolite provides skylights for commercial, residential, and industrial markets. This catalog includes specifications and architectural drawings.  
**Bristolite** 201



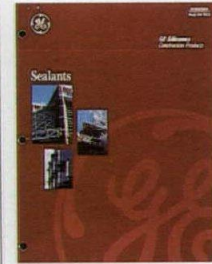
**Category** Skylight Structures  
**Title** Custom Skylights & Sloped Glazing  
**Pages** 16  
**Contents** D S  
**Applications** DI DS

This catalog illustrates the various skylight systems available from Naturalite. They offer in-house extruding, anodizing, and painting.  
**Naturalite/EPI** 202



**Category** Unit Skylights  
**Title** Thermo - Vu Sun Lite Skylights  
**Pages** 8  
**Contents** C I S  
**Applications** DI DS

Thermo-Vu Skylights come with five-year warranties on materials and workmanship. Aluminum frames and vinyl curbs and flashing can be accommodated with insulated glass or acrylic.  
**Thermo-Vu** 203



**Category** Sealants  
**Title** Silicone Construction Sealants  
**Pages** 8  
**Contents** D S T  
**Applications** DS

In addition to GE's full line of wall sealants, this brochure addresses one-part and two-part structural glass and insulating glass sealants.  
**GE** 204



**COMMERCIAL**  
**RESIDENTIAL AND**

# Quality • Service Reliability

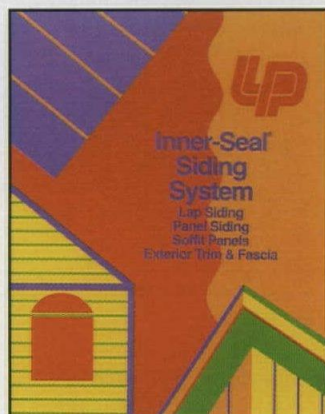
Thermo-Vu Skylights reflect the standards of superb design while providing you with an exceptionally versatile skylight. Commitment to quality service and reliability is seen with unsurpassed product performance.

**Circle No. 878**

Skylights by  
**Thermo-Vu**  
**Sun\*lite**

51 Rodeo Drive  
Edgewood NY 11717  
Tel: (516)243-1000  
Fax: (516)243-1004  
Outside 516, 212, 718: 1-800-883-LITE (5483)

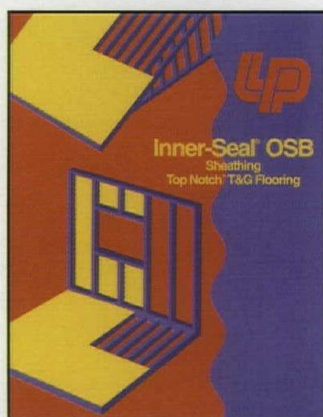
CUSTOM SKYLIGHT SPECIALISTS

### Inner-Seal Siding Systems

A complete line of exterior products made from Inner-Seal OSB - lap and panel sidings, soffit panel, trim and fascia board, with a protective overlay that's pre-primed to hold paint and stain longer. Uniformly strong and consistent composition throughout. Exceptional moisture resistance to prevent warping, splitting and buckling.

**Louisiana-Pacific**  
Reader Service No. 891



### Inner-Seal OSB Structural Panels

A complete line of structural panel products made from Inner-Seal OSB - Top Notch T&G Flooring is a more stable and durable OSB subflooring. Improvements for greater moisture resistance include notches in tongue to aid water run-off. Inner-Seal Sheathing panels are available in a wide range of thicknesses and are perfect for use in remodeling or new construction.

**Louisiana-Pacific**  
Reader Service No. 893

# Waterproof By Design



Waterproof by Design is more than a concept at Premium Polymers.

It's the nature of our roofing system. Seamless, energy efficient, versatile and void of CFC's and VOC's,

Premium Polymers is your Engineered Roofing Resource.



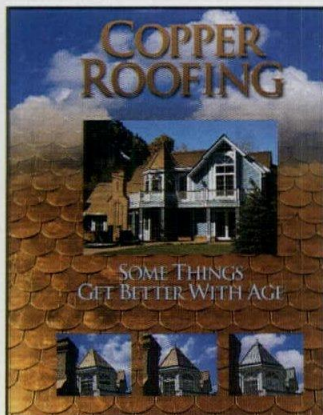
**PREMIUM POLYMERS**

The Engineered Roofing Resource

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512-272-5531 Fax: 512-272-8618  
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Circle No. 864 on Reader Service Card





#### **Tegola USA**

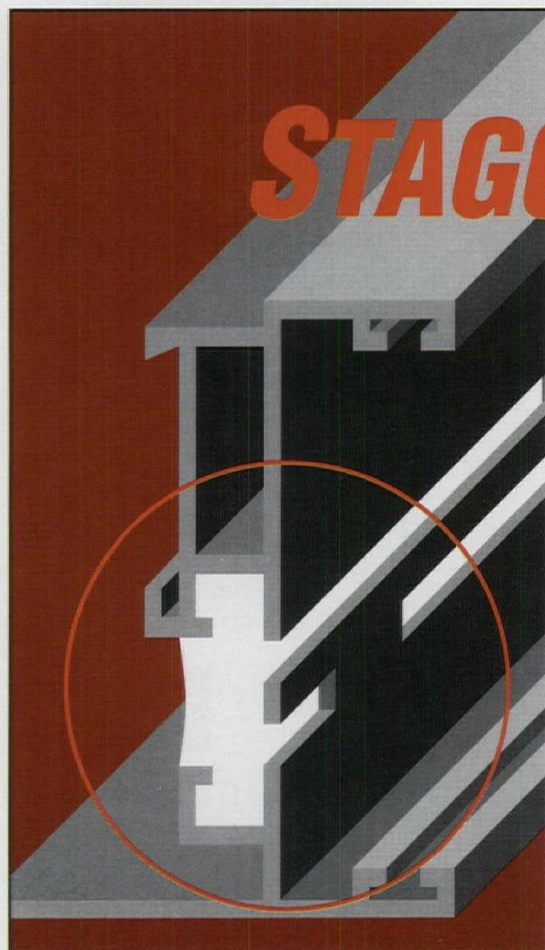
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Tegola Canadese produces Prestige copper shingles, a fiberglass reinforced asphalt shingle with a sheet of copper bonded to its top surface. Lightweight (240#sq.). Class A fire-rated. 30-year limited warranty. For a brochure contact Tegola's U.S. Sales Manager at P.O. Box 590444, Orlando, Florida 32859 or call 1-800-545-4140.

#### **Other Relevant Products:**

**Bender Roof** - roof tiles 435  
**Bethlehem Steel** - metal roofing 436  
**BP** - shingles 437  
**Carlisle SynTec** - built-up roofing 438  
**Cedar Valley Shingle** - siding 439  
**Copper Sales** - roof & wall panels 440  
**Curveline** - roof & wall panels 441  
**Eastern Exterior** - eifs 442  
**Fry Reglet** - flashing & trim 443  
**Futura Coatings** - waterproofing 444  
**GAF** - shingles 445  
**GeoTech** - waterproofing 446  
**GMX** - Waterproofing 447  
**Huls America** - waterproofing 448  
**Kenergy** - unit skylights 449  
**Lacticare** - waterproofing 450  
**Louisiana Pacific** - insulation 451  
**Ludowici Celadon** - roofing tiles 452  
**Manville** - built-up roofing 453  
**MBCI** - roof and wall panels 454  
**Metal Sales** - metal roofing 455  
**Met-Tile** - roof tiles 456  
**Neoguard** - water repellent 457  
**Nervastral** - flashing & trim 458  
**Norton** - sealants 459  
**O'Keeffe** - skylight structures 460  
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**Parex** - eifs 462  
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**RMax** - roof insulation 465  
**Regal** - skylight structures 466  
**Roofblok** - roof ballasts 467  
**Sheet Metal & Air Conditioning** 468  
**Simplex** - air infiltration barriers 469  
**Skytech** - skylight structures 470  
**Skywall** - skylight structures 471  
**Sparfil** - eifs 472  
**Steelite** - metal roofing 473  
**Supradur** - shingles 474  
**Thoro** - waterproofing 475  
**Tremco** - firestopping 476  
**Trocal Roofing** - membrane roofing 477  
**UC Industries** - roof insulation 478  
**U-Flow Roof Drain Systems** 479  
**Velux** - unit skylights 480  
**Wasco** - unit skylights 481



*The most significant thermal barrier development in 20 years!*

# STAGGERSKIP+SASS

**Attention: Designers of Aluminum Windows, Doors and Curtainwalls – With AZON's unique StaggerSkip debridging method, you get:**

■ Uncompromising thermal efficiency — two times better than the dual strip glass-filled nylon systems ■ Unparalleled shear and tension pull strength and torsion resistance — nearly twice as strong as some other popular systems ■ High flexural modulus ■ Wide thermal barriers with strong, ultra-slim, low profiles ■ The world's strongest thermal barrier commercially available when used in conjunction with SASS, AZON's new high-performance polyurethane. SASS has the highest tensile strength of any unfilled poly

urethane in the world — half that of aluminum ■ No dry shrinkage using AZON's StaggerSkip technology and recommended treatment for problem surfaces ■ All the benefits of StaggerSkip technology and recommended treatment for problem surfaces

AZON USA, INC.  
 2204 Ravine Road  
 Kalamazoo, MI 49004  
 Phone: 616 385-5942  
 Fax: 616 385-5937

**AZON**

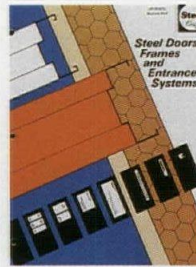
*First in Technology  
 First in Machinery  
 First in Chemicals*

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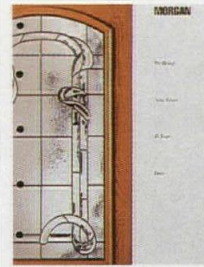


# Division 08 - Doors & Windows

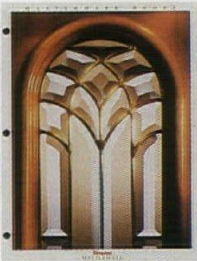
**Doors & Frames, Specialty Doors, Traffic Doors, Coiling Doors & Grilles, Sectional Doors, Door Opening Assemblies, Entrances & Storefronts, Metal Windows & Doors, Wood Windows & Doors, Plastic Windows, Finish Hardware, Operators, Weather Stripping & Thresholds, Cabinet & Drawer Hardware, Glass, Glazing Accessories, Sloped Glazing Systems**



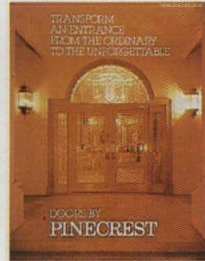
**Category** Doors & Frames  
**Title** Steel Doors, Frames, and Entrance Systems  
**Pages** 22  
**Contents** D S T  
**Applications** DI DS  
This catalog contains insulated, embossed, and fire-rated doors and frames. It includes retrofit units. Specifications are in CSI format.  
**Steelcraft** 205



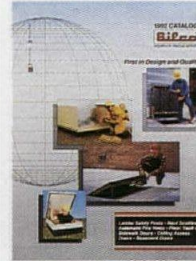
**Category** Doors & Frames  
**Title** Wood Doors  
**Pages** 32  
**Contents** D  
**Applications** DS  
This catalog contains high style wood entrance and interior doors. Included in the catalog is the new 8' entrance door, entrance trims, and mantels.  
**Morgan** 206



**Category** Doors & Frames  
**Title** Mastermark Doors  
**Pages** 24  
**Contents** D S  
**Applications** DS  
This catalog contains photos and descriptions that highlight different door options. It includes specifications and wood finishing instructions.  
**Simpson** 207



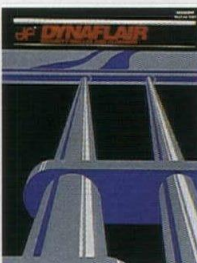
**Category** Doors & Frames  
**Title** Entrance Doors  
**Pages** 114  
**Contents** D S  
**Applications** DI DS  
This catalog contains designs ranging from elegant hand-carved doors to metalized doors. The doors are custom manufactured to the requirements of each installation.  
**Pinecrest** 208



**Category** Specialty Doors  
**Title** Doors for Special Services  
**Pages** 24  
**Contents** D S  
**Applications** DI DS  
This catalog contains roof scuttles, automatic fire vents, and floor, vault, and sidewalk doors. It includes data, cross sections, and specifications.  
**Bilco** 209



**Category** Specialty Doors  
**Title** Watertight Doors, Barriers, and Hatches  
**Pages** 20  
**Contents** D S  
**Applications** DS  
This brochure describes specialty doors for flood protection and chemical spill containment. It includes specifications.  
**Presray** 210



**Category** Coiling Doors & Grilles  
**Title** Security Grilles and Closures  
**Pages** 16  
**Contents** D S  
**Applications** DS  
These versatile overhead rolling and side-sliding security closures can be used in malls, banks, airports, schools, and shop fronts. They are custom made.  
**Dynaflair** 211



**Category** Coiling Doors & Grilles  
**Title** Rolling Doors, Grilles, and Electric Operators  
**Pages** 24  
**Contents** D S  
**Applications** DS  
This catalog describes Overhead Door's full line of rolling steel door products for commercial and industrial uses.  
**Overhead Door** 212



**Category** Coiling Doors & Grilles  
**Title** Rolling Doors  
**Pages** 32  
**Contents** D S  
**Applications** DS  
This catalog contains information on rolling doors, grilles, shutters, and upward acting sectional doors. It includes photos, detailed drawings, and specifications.  
**Atlas** 213



**Category** Coiling Doors & Grilles  
**Title** Rolling Service Doors, Fire Doors, Counter Doors, Grilles, and Closures  
**Pages** 24  
**Contents** D I S  
**Applications** DS  
This catalog includes steel and aluminum rolling service doors, fire doors, counter doors, grilles, and closures. It includes specifications and installation instructions.  
**Cornell** 214





**Category** Sectional Doors  
**Title** Commercial Sectional Overhead Doors

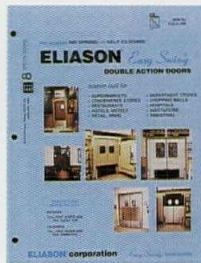
**Pages** 32

**Contents** D S

**Applications** DS

This catalog includes both insulated and non-insulated steel sectional overhead and rolling doors.

**Wayne-Dalton** 215



**Category** Traffic Doors  
**Title** Double Action Doors

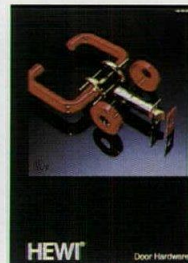
**Pages** 8

**Contents** D S

**Applications** DS

These double action interior doors are for use in restaurants, supermarkets, malls, and wherever swinging doors are needed. Usage and specifications data are included.

**Eliason** 216



**Category** Door Opening Assemblies  
**Title** Door Hardware

**Pages** 16

**Contents** D S

**Applications** DS

HEWI manufactures lever handles, pull handles, hinges, door stops, and entrance accessories. The information includes a variety of fasteners and custom designs.

**HEWI** 217



**Category** Door Opening Assemblies  
**Title** Swinging and Sliding Pocket Door Hardware

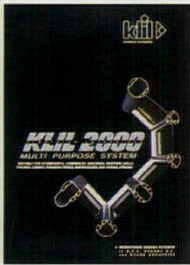
**Pages** 8

**Contents** D S

**Applications** DI DS

This patented hinge assembly eliminates bi-fold and sliding doors. This hinge apparatus allows a door to slide into the closet.

**Stor-A-Door** 218



**Category** Entrance & Storefronts  
**Title** Aluminum Extrusions

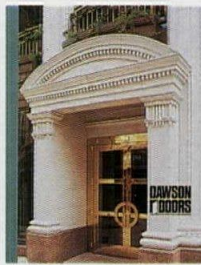
**Pages** 24

**Contents** S

**Applications** DI DS

This brochure describes that interlocking extruded aluminum shapes can be configured to construct facades, entranceways, and store fronts.

**Kelil** 219



**Category** Entrances & Storefronts  
**Title** Custom Entrances

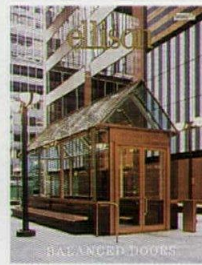
**Pages** 16

**Contents** C D S

**Applications** DS

Dawson features their custom made doors and entrances in stainless steel or muntz metal. Elevations and construction details are included.

**Dawson** 220



**Category** Entrances & Storefronts  
**Title** Balanced Doors

**Pages** 20

**Contents** D I S

**Applications** DS

This catalog includes balanced, pivoted, and hinged doors in bronze, stainless steel, steel, or aluminum. Detailed drawings and specifications are included.

**Ellison Bronze** 221



**Category** Metal Windows & Doors  
**Title** Industrial Doors

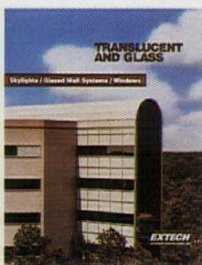
**Pages** 12

**Contents** D S

**Applications** DS

This brochure contains high-speed power-operated traffic doors and double-impact doors for interior and exterior applications. It includes a special line of freezer doors.

**Kelley** 222



**Category** Metal Windows & Doors  
**Title** Industrial windows

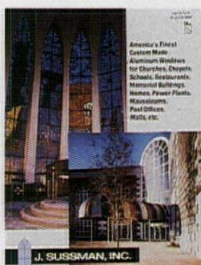
**Pages** 16

**Contents** D S

**Applications** DS

These top-hinged and sliding stainless steel industrial windows and skylights allow the passage of air and light. Specifications and detailed drawings are included.

**Extech** 223



**Category** Metal Windows & Doors  
**Title** Custom Aluminum Windows

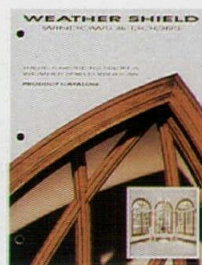
**Pages** 12

**Contents** D S

**Applications** DS

These custom aluminum windows are for churches, restaurants, and landmark commercial buildings. They come in complex shapes and sizes and have authentic muntins.

**J. Sussman** 224



**Category** Wood Windows & Doors  
**Title** Catalog of Windows and Doors

**Pages** 198

**Contents** D S T

**Applications** DS

This catalog offers a very large selection of wood windows and doors. Performance data, test data, and specifications are included.

**Weather Shield** 225



**Category** Wood Windows & Doors  
**Title** Wood Windows and Doors for Non-Residential Applications

**Pages** 44

**Contents** C D S T

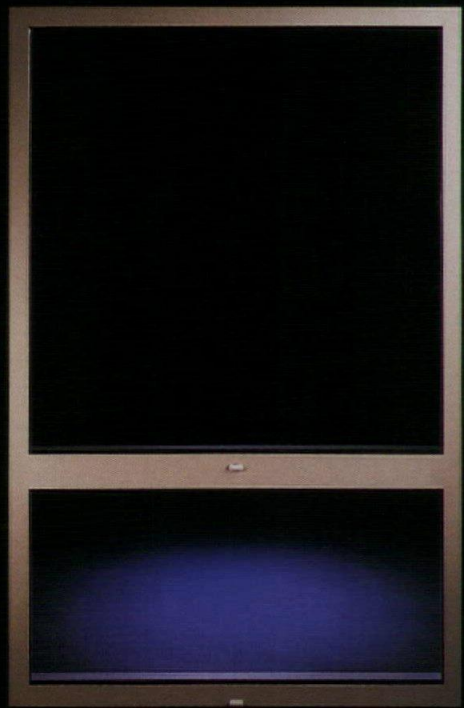
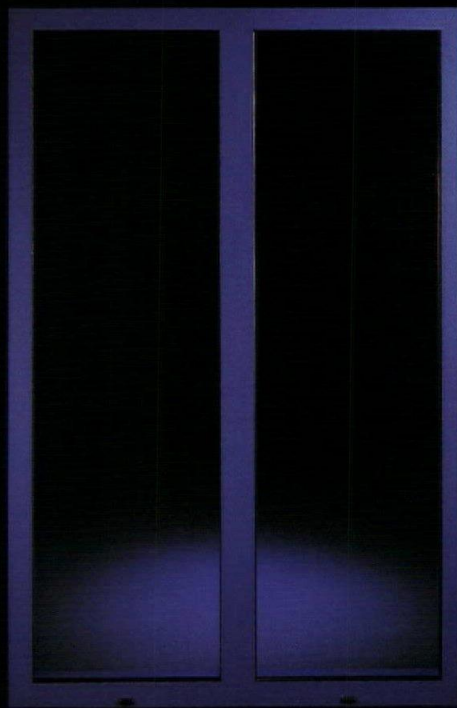
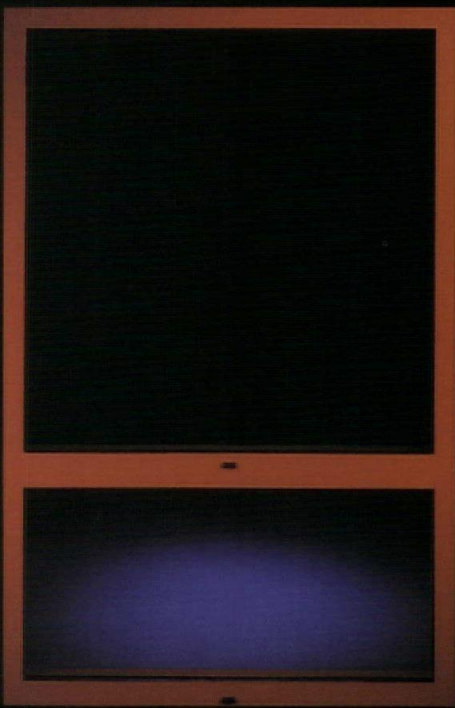
**Applications** DI DS

This brochure describes the commercial capabilities of Marvin's entire line of wood and clad wood windows and doors.

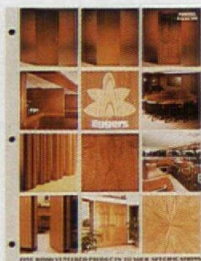
**Marvin** 226



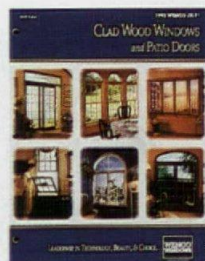
**Judging  
from  
the  
sitelines,  
are  
these  
fixed  
or  
operable  
windows?**



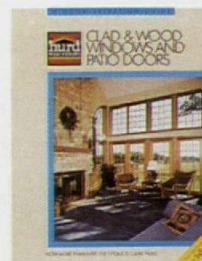


**Category** Wood Windows & Doors**Title** Wood Veneered Products**Pages** 16**Contents** D S**Applications** DS

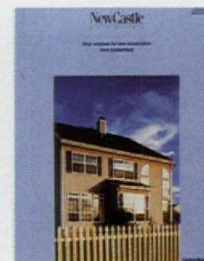
This brochure describes Eggers system of preparing doors to fit any size opening and their system of matching your needs with their many veneers and finishes.

**Eggers** 227**Category** Wood Windows & Doors**Title** Clad Wood Windows and Doors**Pages** 64**Contents** D S**Applications** DS

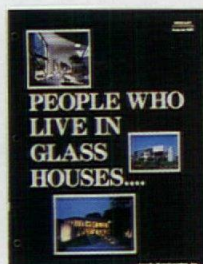
These clad-wood windows and patio doors are clad in factory-finished aluminum with choices of three baked-on colors: white, beige, and bronze.

**Wenco** 228**Category** Wood Windows & Doors**Title** Clad and Wood Windows and Patio Doors**Pages** 40**Contents** D S T**Applications** DI DS

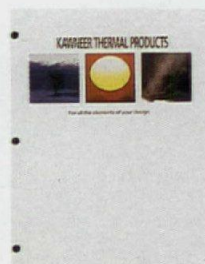
This catalog contains wood and aluminum-clad wood windows with glazing options that have an R value of 5.5.

**Hurd** 229**Category** Plastic Windows**Title** Vinyl Windows**Pages** 12**Contents** D S**Applications** DS

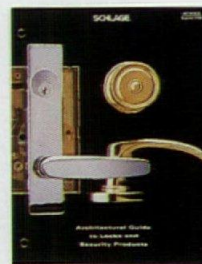
This brochure introduces the NewCastle line of vinyl windows in a wide selection of styles, shapes, and sizes. Performance data and specifications are included.

**CertainTeed** 230**Category** Sliding Doors & Windows**Title** Glass Houses**Pages** 12**Contents** D S**Applications** DS

This brochure on sliding glass windows and doors includes information on Arcadia's high performance, monumental, and multislide series.

**Arcadia** 231**Category** Finish Hardware**Title** Thermal Window Products**Pages** 6**Contents** D S**Applications** DS

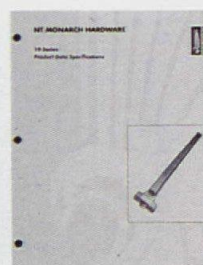
This brochure details Kawneer's complete line of thermal framing, curtain wall, and ribbon window products, such as the Thermal Spacer, Plastic Clip, and Gasket.

**Kawneer** 232**Category** Finish Hardware**Title** Architectural Guide to Locks and Security Products**Pages** 34**Contents** D S**Applications** DS

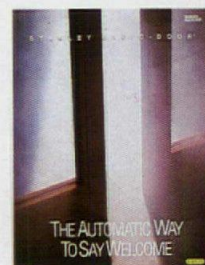
This catalog of locks and security products features products for commercial, residential, and retail uses.

**Schlage** 233**Category** Finish Hardware**Title** Touchbar Exit Devices**Pages** 32**Contents** D S**Applications** DS

These exit devices are for fire doors with a rating up to 3 hours. All have matching 1-piece touchbars and they come in a wide variety of finishes.

**Adams Rite** 234**Category** Finish Hardware**Title** Exit Devices**Pages** 8**Contents** D I S**Applications** DS

This brochure is a guide to this company's line of exit devices. It offers exact details for specifying and ordering each product.

**NT Monarch** 235**Category** Operators**Title** Magic Door**Pages** 10**Contents** D S**Applications** DS

This catalog describes swinging and sliding automatic door systems for commercial, institutional, or industrial uses. It includes door operators, sensors, and much more.

**Stanley** 236**Category** Weatherstripping & Thresholds**Title** Sealing Systems for Doors and Windows**Pages** 32**Contents** D S**Applications** DS

This catalog describes hundreds of door sealing components to stop sound, fire, smoke, light, and air.

**Zero** 237**Category** Weatherstripping & Thresholds**Title** Thresholds, Sills, and Gaskets**Pages** 68**Contents** D S T**Applications** DS

Illustrations, detailed drawings, and specifications describe Pemko's vast line of weatherstripping and threshold products.

**Pemko** 238



**Yes.**

Sometimes the obvious is not so obvious.

Equine™ is a high performance operable and fixed window system providing no build-up of sitelines between fixed and operable units.

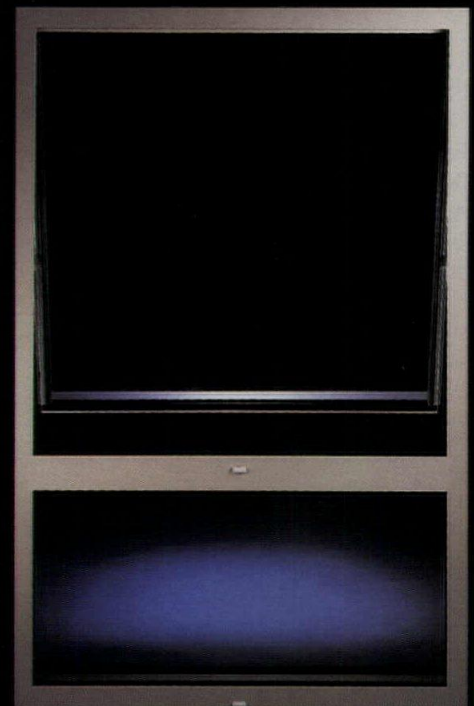
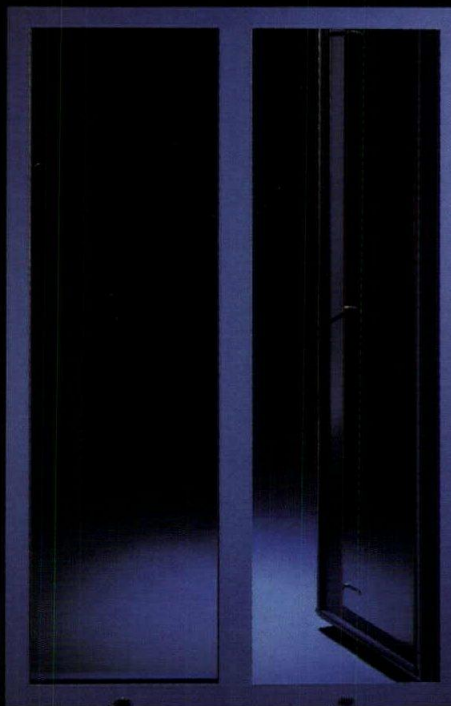
It's available in both thermal and non-thermal options, a variety of sizes and finishes that accommodate nearly every design need, and glazing choices that reduce on-site labor.

Engineered, structural integrity and a clean, uninterrupted siteline, from the company that pioneered high performance windows.

Equine. The obvious choice.



*The 8350 T-L EQUINE™ window employs the Pour and Debridge thermal break utilizing the Iso-Lock® process to eliminate expansion and contraction of the urethane.*



**The Mark of Responsibility**

Technology Park—Atlanta 555 Guthridge Court Norcross, GA 30092 404-449-5555

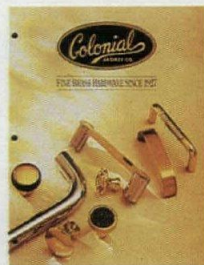
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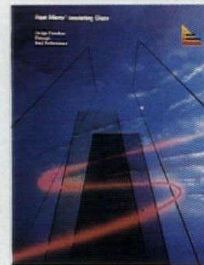




**Category** Cabinet & Drawer Hardware  
**Title** Slides for Furniture and Cabinetry  
**Pages** 12  
**Contents** D S  
**Applications** DS  
 Accuride slides are perfect for either office or residential drawer applications. The slides allow drawers to glide smoothly.  
**Accuride** 239



**Category** Cabinet & Drawer Hardware  
**Title** Fine Brass Hardware  
**Pages** 8  
**Contents** D  
**Applications** DS  
 This catalog features brass cabinet hardware. You can customize your project hardware by selecting from hundreds of styles and finishes.  
**Colonial Bronze** 240



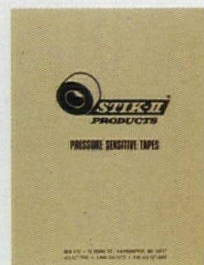
**Category** Glass  
**Title** Heat Mirror Insulating Glass  
**Pages** 12  
**Contents** D S  
**Applications** DI DS  
 This insulating glass has a suspended film that provides up to R-4.3 insulation, as well as solar shading without the tinting of glass.  
**Southwall** 241



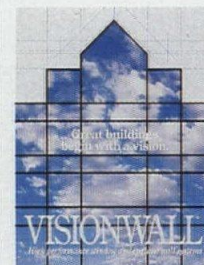
**Category** Glass  
**Title** Glass Block Panels  
**Pages** 8  
**Contents** C D S  
**Applications** DI DS  
 This structurally engineered preglazed waterproof glass block can be used in such applications as skylights, side-walks, skybridges, stair treads, walls, and much more.  
**Circle Redmont** 242



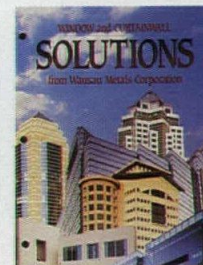
**Category** Glass  
**Title** Glass Block Products  
**Pages** 14  
**Contents** D S  
**Applications** DS  
 The wide variety of patterns, shapes, and sizes of Pittsburgh Corning's glass block allows panels to be shaped in straight, curved, and serpentine configurations.  
**Pittsburgh Corning** 243



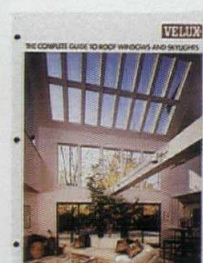
**Category** Glazing Accessories  
**Title** Pressure Sensitive Tapes  
**Pages** 16  
**Contents** D I S T  
**Applications** DS  
 This literature contains information on Stik II window glazing tapes and pressure-sensitive foam tapes. These tapes have exterior and interior applications.  
**October** 244



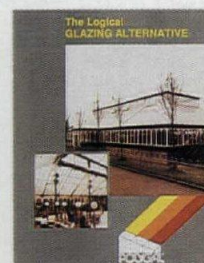
**Category** Glazed Curtain Walls  
**Title** Window and Curtain Wall Systems  
**Pages** 8  
**Contents** S T  
**Applications** DI DS  
 This brochure contains photos, technical illustrations, performance characteristics, and test data on Visionwall's curtain wall system.  
**Visionwall** 245



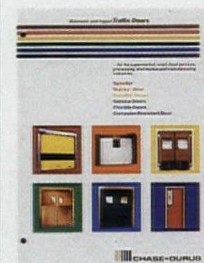
**Category** Glazed Curtain Walls  
**Title** Window and Curtain Wall Solutions  
**Pages** 54  
**Contents** S  
**Applications** DI  
 This brochure offers many types of fixed and operable aluminum windows and curtainwalls. It includes technical drawings.  
**Wausau** 246



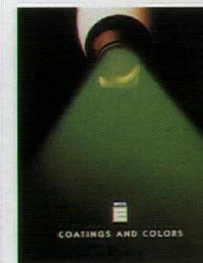
**Category** Sloped Glazing Systems  
**Title** Roof Windows and Skylights  
**Pages** 28  
**Contents** D I S  
**Applications** DI DS  
 Containing information on the differences between roof windows and skylights, this brochure describes glazing and flashing options, as well as specifications.  
**Velux** 247



**Category** Sloped Glazing Systems  
**Title** Polyclip Locking Panel  
**Pages** 8  
**Contents** D I S  
**Applications** DI DS  
 This integrated fastening system is a unique design that allows panels to be attached to your supports and joined together without extrusions or retainers.  
**Polygal** 248



**Category** Traffic Doors  
**Title** Automatic and Impact Doors  
**Pages** 16  
**Contents** C D I  
**Applications** DS  
 This catalog describes Chase-Duruis traffic doors for industrial, commercial, and institutional applications. Included are motorized traffic doors and gravity-operated impact doors.  
**Chase-Duruis** 249



**Category** Windows  
**Title** Coatings and Colors  
**Pages** 4  
**Contents** S  
**Applications** DI  
 This slim brochure provides color samples for EFCO's commercial windows, storefronts, and curtain wall systems. Various silicon-polyester and fluoropolymer coatings are shown.  
**EFCO** 250



## WE WERE LOOKING FOR A WINDOW COMPANY THAT ISN'T AFRAID OF THE DARK.



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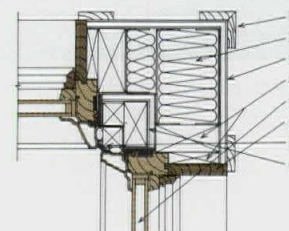


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JOHN WEIDT.	GROVER, LTD.
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INSIDE CORNER DETAIL

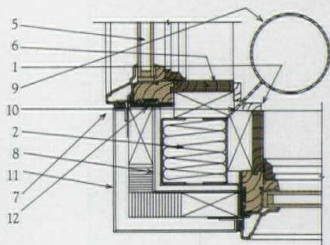
	STANDARD
	OPTIONAL



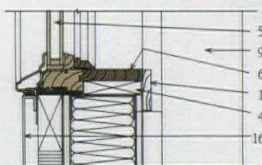
CAPTURE TWO DIFFERENT ERAS.



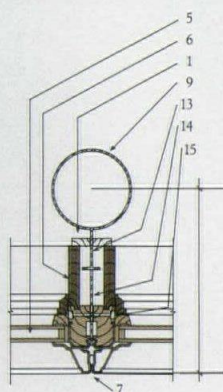
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OUTSIDE CORNER DETAIL



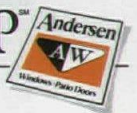
SILL DETAIL



TYPICAL MULLION DETAIL

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11. METAL PANEL
12. INSULATION TYPICAL
13. STEEL PLATE W/T" WELDED TO COLUMN
14. STEEL PLATE W/SLOTTED HOLES WELDED TO "T"
15. THROUGH BOLT
16. METAL PANEL/METAL STUD WALL

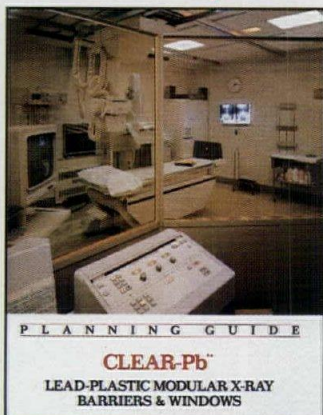
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### Other Relevant Products:

**Air Louvers - doors & frames** 482  
**Alcoa - vinyl windows** 483  
**Architectural Components - doors** 484  
**Ceco/Windsor - sectional doors** 485  
**Chelsea - vinyl windows** 486  
**Dor-o-matic - operators** 487  
**Dorma - door hardware** 488  
**Eagle Window & Door** 489  
**Euroglass Glasrep - glazing** 490  
**Extech - translucent walls** 491  
**General Products - entrance doors** 492  
**G-U Hardware - door hardware** 493  
**Hiawatha - door hardware** 494  
**Hope - windows & doors** 495  
**Horton Automatics - operators** 496  
**Industrial Acoustics - doors** 497  
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**J.L. Industries - specialty doors**  
**Laminated Glass** 500  
**L.E. Johnson - specialty doors** 501  
**Louisiana Pacific - windows & doors** 502  
**Mannix - windows** 503  
**Maywood - patio doors** 504  
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**National Wood Window & Door Association** 507  
**Nicolai Doors** 508  
**Norton - glazing accessories** 509  
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**Raynor Garage Doors** 511  
**Regal - specialty doors** 512  
**Sectos - windows** 513  
**Skytech - doors** 514  
**Technical Glass Products** 515  
**Telkee - door hardware** 516  
**Tubelite - entrances & storefronts** 517  
**Von Duprin - locks** 518  
**Vistawall - glazed curtain walls** 519

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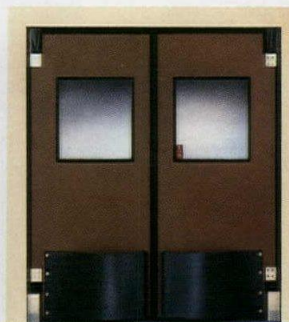
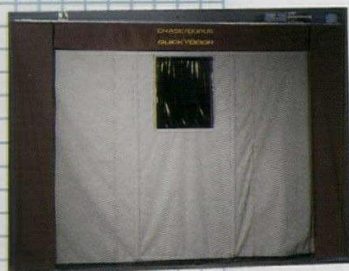


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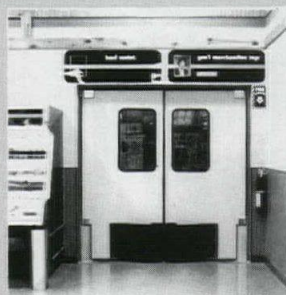
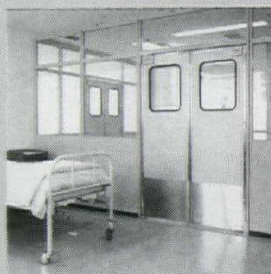
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# CERAMIC COMPOSITIONS

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In addition to the conventional method of tile installation used in the project shown here, Buchtal offers a new prefabricated system, Keraion-Quadro, which invisibly fastens large format tile to metal grids on



new or existing substrates. So when you're looking for an innovative sequel to your last facade, call us for more details.



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*At Buchtal Ceramics, we choose our words carefully. Much like an architect chooses a building material. That's why when we say Chroma<sup>®</sup> offers the designer the most extensive palette of modular sizes and colors in glazed ceramics, you can believe it's true. ♦ With 71 colors and sizes from 2×10 strips to two-foot square panels, dramatic design statements are inevitable with Chroma. Architects like you have been using Chroma all over the world for dozens of applications. In banding, to identify spaces and define circulation patterns. As colorful medallions to punctuate a never-ending wall. Or to fully expose an entire facade. ♦ And Chroma's performance attributes take the mystery out of specifying glazed tile. Chroma is frost-proof, acid-resistant, and colorfast. And offers high bond and breaking strengths. ♦ With Chroma, we wrote the book on glazed ceramic tile. ♦*

*Chroma glazed ceramic tile is featured in our catalog in Sweet's File 09300/BUB. Or contact Buchtal Ceramics directly at 1325 Northmeadow Parkway Suite 114 Roswell, GA 30076 (404) 442-5500 Fax: (404) 442-5502. ♦ In the meantime, every picture tells a story.*

**BUCHTAL**   
C E R A M I C S

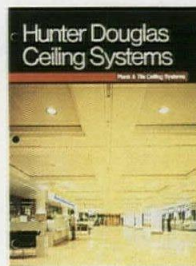
7th Street North Parking Garage Minneapolis, MN  
Architect: The Stageberg Partners, Minneapolis, MN

Product: 6×6 in 140 Intense Yellow, 141 Intense Orange, 142 Intense Red, 794 Purple, 761 Creme, 146 Intense Blue Green, 726 Cobalt Blue



# Division 09 - Finishes

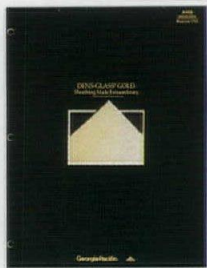
**Ceiling Systems, Gypsum Board, Gypsum Board Accessories, Tile, Tile Accessories, Acoustical Systems, Resilient Flooring, Carpet, Coatings, Wall Coverings, Wall & Ceiling Panels, Flooring**



**Category** Ceiling Systems  
**Title** Plank and Tile Ceiling System  
**Pages** 16  
**Contents** D S  
**Applications** DI DS  
 This metal plank and tile system offers many options with suspended systems and perforated patterns. The brochure describes shapes, sizes, colors, and finishes.  
**Hunter Douglas** 251



**Category** Gypsum Board  
**Title** Gypsum Construction Guide  
**Pages** 140  
**Contents** D I S  
**Applications** DS  
 This gypsum wallboard construction guide is a complete reference library. It is written in the CSI/Master Format Numbering System and contains thorough technical data.  
**Gold Bond** 252



**Category** Gypsum Board  
**Title** Dens-Glass Gold Sheathing  
**Pages** 18  
**Contents** D S  
**Applications** DS  
 This fiberglass-faced sheathing panel is water resistant, fire resistant, and has high-strength characteristics. It is ideal for exterior substrate applications.  
**Georgia-Pacific** 253



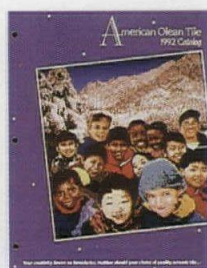
**Category** Gypsum Board Accessories  
**Title** Architectural Moldings  
**Pages** 8  
**Contents** D S  
**Applications** DI DS  
 This collection of aluminum architectural trims helps to create a neater appearance for plaster and drywall installations. Finishes and specifications are included.  
**Fry Reglet** 254



**Category** Gypsum Board Accessories  
**Title** Orac Decor  
**Pages** 20  
**Contents** D S  
**Applications** DI DS  
 These cornice, panel, and moulding accessories are manufactured with high density polyurethane. They are strong, lightweight, and easy to install.  
**Outwater** 255



**Category** Gypsum Board Accessories  
**Title** Fine Art of Mouldings  
**Pages** 20  
**Contents** D I S  
**Applications** DI DS  
 This brochure describes the use of ornamental plaster for cornice and panel mouldings, fireplace surrounds, arches, and columns. It includes installation instructions.  
**Hyde Park** 256



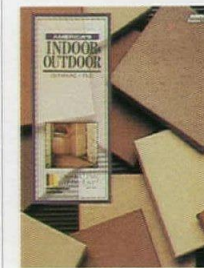
**Category** Tile  
**Title** Tile Catalog  
**Pages** 60  
**Contents** D I S  
**Applications** DI DS  
 This reference catalog contains information on glazed floor and wall tile, porcelain pavers, quarry tiles, mosaics, marble, and slate. Installation products are included.  
**American Olean** 257



**Category** Tile  
**Title** Architectural Ceramic Binder  
**Pages** 220  
**Contents** D S  
**Applications** DI DS  
 This 3-ring binder contains 12 color tile brochures, technical data, and specifications. It includes a registration card for future updates.  
**Buchtal** 258



**Category** Tile  
**Title** Glass Mosaics  
**Pages** 16  
**Contents** D S  
**Applications** DI DS  
 These glass mosaic wall coverings can be used for interior and exterior applications such as swimming pools, facades, walkways, floors, and walls.  
**Bisazza** 259

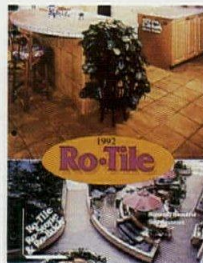


**Category** Tile  
**Title** Indoor/Outdoor Ceramic Tile  
**Pages** 6  
**Contents** D S  
**Applications** DI DS  
 This brochure describes the design versatility of this indoor/outdoor all-weather ceramic tile. It includes performance specifications and color swatches.  
**Metropolitan Ceramics** 260

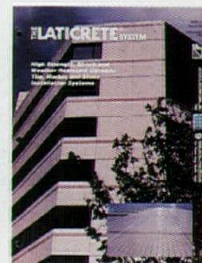




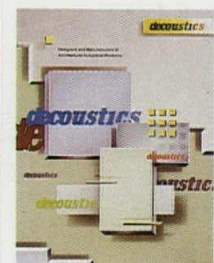
**Category** Tile  
**Title** Ceramic Tiles  
**Pages** 48  
**Contents** D I S  
**Applications** DI DS  
This catalog is a reference guide for the selection of ceramic tile. The information includes colors, sizes, trims, specifications, and installation photos.  
**Dal-Tile** 261



**Category** Tile  
**Title** Floor Tiles  
**Pages** 12  
**Contents** D S  
**Applications** DI DS  
This catalog contains information on Ro-Tile which has a semi-gloss finish; Ro-Stone, which looks like unpolished natural stone; and Ro-Brick, which is a veneer brick.  
**Ro-Tile** 262



**Category** Tile Accessories  
**Title** Tile Installation Systems  
**Pages** 16  
**Contents** D I S  
**Applications** DI DS  
Containing information on installation materials and systems for ceramic tile, stone, and marble, this catalog includes products such as grout, adhesives, and sealants.  
**Laticrete** 263



**Category** Acoustical Systems  
**Title** Decoustics  
**Pages** 24  
**Contents** D S  
**Applications** DI DS  
Decoustics are commercial interior acoustical products such as wall and ceiling panels, baffles, screens, and banners. The brochure includes a data chart for each product.  
**Decoustics** 264



**Category** Acoustical Treatments  
**Title** Almute  
**Pages** 22  
**Contents** D S T  
**Applications** DI DS  
This brochure describes Almute, which is a sintered aluminum sound-absorbing panel that can be affixed to walls or ceilings. Almute is air permeable and non-fibrous.  
**Peer** 265



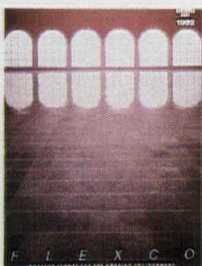
**Category** Acoustical Systems  
**Title** Ceiling Systems  
**Pages** 52  
**Contents** D S  
**Applications** DI DS  
This catalog describes different commercial ceilings, including ceiling panels and suspended systems. It offers design ideas, as well as specifications.  
**USG** 266



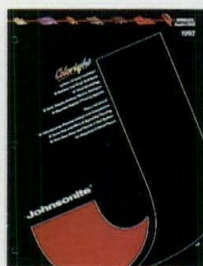
**Category** Acoustical Systems  
**Title** CeloCadd - Acoustical Ceiling Systems  
**Pages** 40 plus 1 diskette  
**Contents** D S  
**Applications** DS GT  
This is a computer-assisted product selection and specification program for acoustical ceilings. It requires DOS version 3.3 or higher.  
**Celotex** 267



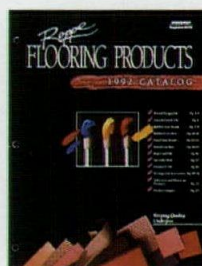
**Category** Resilient Flooring  
**Title** Commercial Floors  
**Pages** 48  
**Contents** D I S  
**Applications** DI DS  
This catalog describes Armstrong's full line of commercial floors, including vinyl tile, static dissipative tile, rubber tile, and slip-resistant flooring.  
**Armstrong** 268



**Category** Resilient Flooring  
**Title** Working Floors for the Working Environment  
**Pages** 22  
**Contents** D S T  
**Applications** DS  
This catalog offers Flexco's complete line of rubber and vinyl flooring products. Detailed specifications are included.  
**Flexco** 269



**Category** Resilient Flooring  
**Title** Coloright  
**Pages** 16  
**Contents** D S  
**Applications** DI DS  
This is a single source catalog for color-matched vinyl, rubber flooring, and accessories. The 18 flooring colors match all wall bases, mouldings, and adhesives.  
**Johnsonite** 270

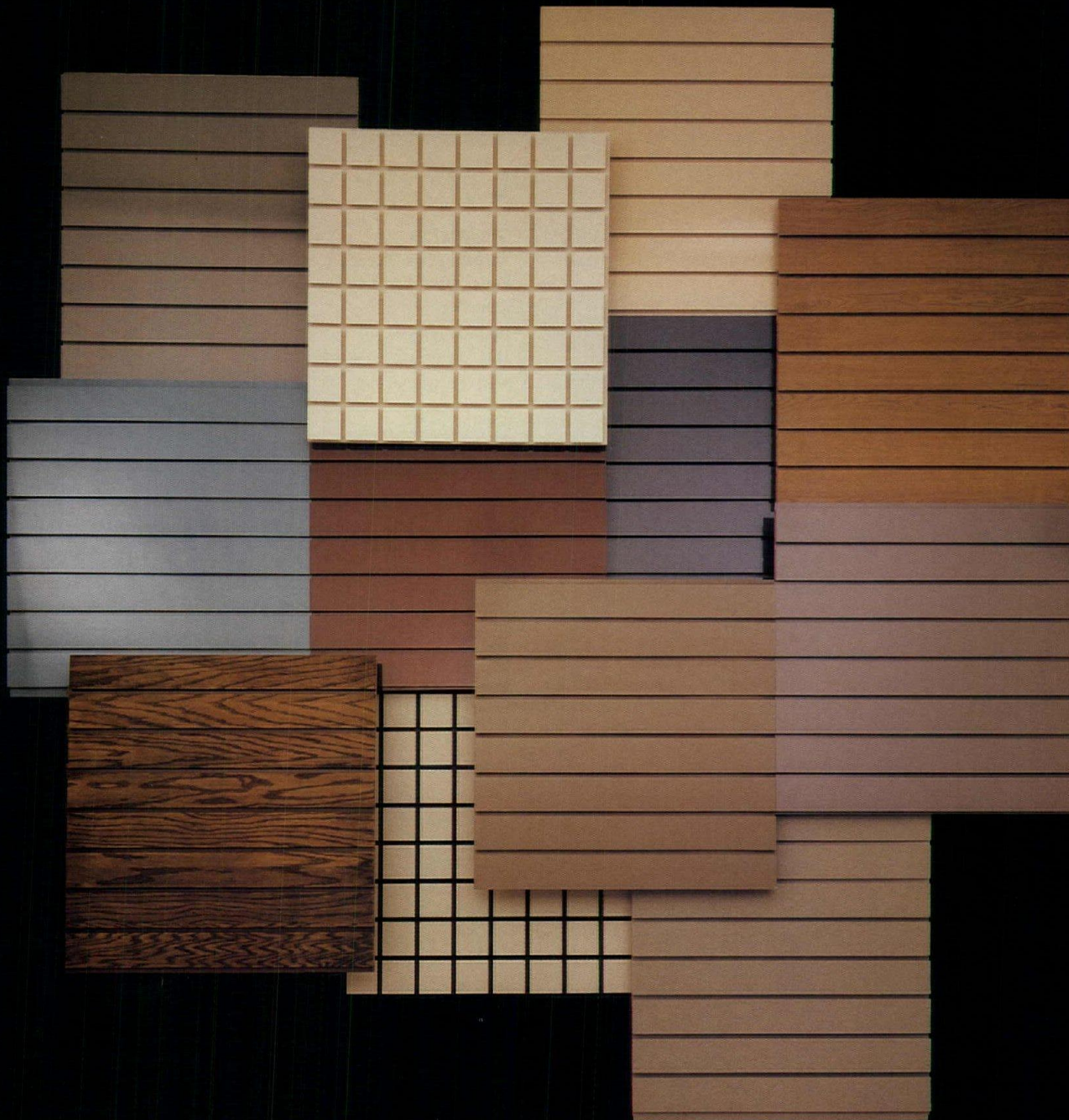


**Category** Resilient Flooring  
**Title** Flooring Products  
**Pages** 24  
**Contents** D S  
**Applications** DI DS  
This flooring products brochure is a comprehensive guide to rubber and vinyl flooring products and accessories. It contains sample information and specifications.  
**Roppe** 271



**Category** Resilient Flooring  
**Title** Vinyl Tile Floors  
**Pages** 36  
**Contents** D I S  
**Applications** DI DS  
These vinyl floor tiles come in a variety of compositions. This brochure offers information on accessories along with technical information and specifications.  
**Azrock** 272





# WE'RE STRONG ON VALUE.

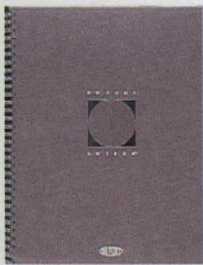
When you specify quality Perma Groove Q150 slatwall panels, you not only get one of the strongest MDF panels made, you get the added strengths of Perma Groove's versatility, expertise and on-time personal service. That means value...*genuine* value. Talk to us about your panel needs. **Call 612/469-4961 or fax 612/469-4972**



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**Category** Carpet  
**Title** Antron Legacy Nylon  
**Pages** 66  
**Contents** D S  
**Applications** DI DS

This nylon carpet fiber is intended for any commercial applications. These carpets are resistant to soiling and easy to clean.

**Du Pont** 273



**Category** Carpet  
**Title** Guide to Specifying Commercial Carpet  
**Pages** 18  
**Contents** D S  
**Applications** DS

This brochure offers attractive carpets for high traffic applications. It also contains a step-by-step specification guide.

**Allied-Signal** 274



**Category** Coatings  
**Title** Artist Colors  
**Pages** 20  
**Contents** I S  
**Applications** DS

This information kit describes the many uses of acrylic paint products. The kit includes actual hand-painted charts showing the available colors.

**Golden Artist** 275



**Category** Coatings  
**Title** Deck Coating Systems Catalog  
**Pages** 10 plus 1 diskette  
**Contents** D S  
**Applications** DS GT

This Catalog contains coatings, abrasives, tapes, grouts, fasteners, and many more construction products from 3M. This program runs on PC computers and it contains drawings.

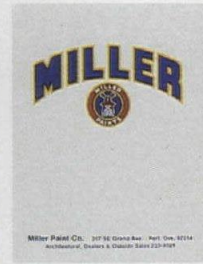
**3M** 276



**Category** Coatings  
**Title** Multicolor System  
**Pages** 30  
**Contents** S  
**Applications** DI DS

These multicolor coatings include Plextone, which is a waterbase interior coating, and Omniplex, which is for counter tops, cabinets, and architectural woodwork.

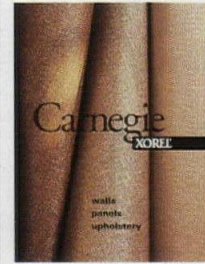
**Seagrave** 277



**Category** Coatings  
**Title** Paint Products  
**Pages** 16  
**Contents** S  
**Applications** DS

These low-biocide no-fungicide paint products have a high opacity, colorfastness, levelability, and washability. This brochure contains color samples.

**Miller** 278



**Category** Wall Coverings  
**Title** Xorel - Walls, Panels, and Upholstry  
**Pages** 30  
**Contents** S T  
**Applications** DI DS

Xorel is a wallcovering, panel, and upholstery fabric. This brochure contains fabric performance data and applications.

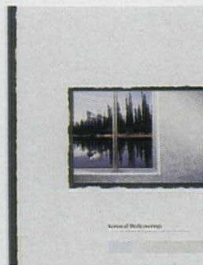
**Carnegie** 279



**Category** Wall Coverings  
**Title** Acrovyn Interiors  
**Pages** 16  
**Contents** D S  
**Applications** DI DS

These high-impact wall coverings and prelamated panels are offered in 11 stone patterns, 72 solid colors, and 16 textures. Included are column covers and mouldings.

**C/S Group** 280



**Category** Wall Coverings  
**Title** Environmental Wallcoverings  
**Pages** 8  
**Contents** S  
**Applications** DI DS

This brochure shows how wall coverings can be used to create interior rooms that have an outdoor ambience. Specifications are included.

**Korseal** 281



**Category** Sanitary Wall & Ceiling Panels  
**Title** Wall and Ceiling System  
**Pages** 4  
**Contents** D S T  
**Applications** DS

This fiberglass-reinforced plastic panel meets the needs of buildings requiring minimal maintenance and sanitation control.

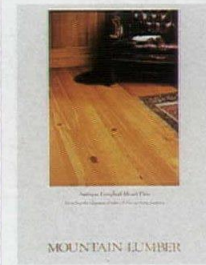
**Kemlite** 282



**Category** Wall and Ceiling Panels  
**Title** Hang Your Reputation on the Strength of Ours  
**Pages** 6  
**Contents** I  
**Applications** DI

This fold-out brochure discusses the hanging strength of these display panels and gives guidelines for specifying various panel styles.

**Perma Groove** 283



**Category** Flooring  
**Title** Mountain Lumber  
**Pages** 2  
**Contents** S  
**Applications** DI

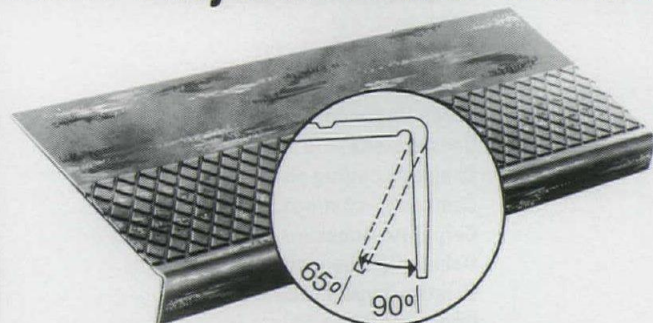
This four-color brochure illustrates the various grades of pine flooring available from this company. A short history of the material and the company are also given.

**Mountain Lumber** 284



# MUSSON

## New Adjusta-Nose Treads



New Design Nose will easily adjust and adhere to steps with return angle nosings between 90° and 65°; allows good fit on stairways designed for safety (especially visually impaired and handicapped).

Shown is our medium gauge Diamond Design Tread in 11 marbled or 9 solid colors with extra long 2" depth nose for pan-filled or molded concrete steps. Adjusta-Nose also available on Disc-O-Tred, Long nose Grii-Strip and Smooth Surface treads.



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Antique Chestnut

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Browne, Eichman, Dalgliesh,  
Gilpin & Paxton, P.C.

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Antique Oak, and Antique Chestnut

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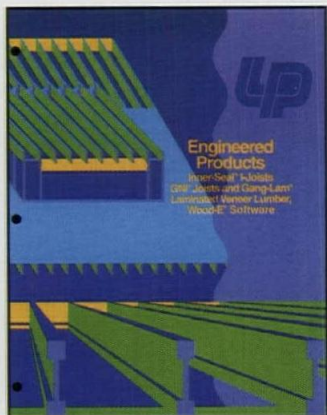


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#### Engineered Wood Products

Engineered wood products are designed to eliminate the common problems of solid sawn lumber. Gang-Lam LVL, Inner Seal Joists and GNI Joists are stronger, more stable and easier to handle than solid sawn lumber. Catalog includes span and uniform load charts, and information on new Wood-E Cut and Wood-E CAD engineering software also available.

**Louisiana-Pacific**  
 Reader Service No. 890

#### Other Relevant Products:

- Action Floor Systems - wood flooring** 520
- Aristocast Originals - gypsum** 521
- Armstrong World - ceiling panels** 522
- Bloomsburg Carpet** 523
- Bomanite - coatings** 524
- Bruce Hardwood Floors** 525
- Caesar Stone -tile** 526
- Chelsea - ceiling panels** 527
- Conproco - coatings** 528
- Corporate Acoustics Systems** 529
- Dakota Granite - stone flooring** 530
- Domtar - gypsum board** 531
- Dryvit - coatings** 532
- Eckel - acoustical products** 533
- EFCO - coatings** 534
- Endura - resilient flooring** 535
- Flexi-Wall - plaster** 536
- Florida Brick & Clay - tile** 537
- General Polymers - terrazzo** 538
- Granstone - Portland cement plaster** 539
- Huntington/Pacific - tile** 540
- IMC - stone flooring** 541
- Intaglio - metal tile** 542
- Jason - resilient flooring** 543
- Kentucky Wood Floors** 544
- Lees Commercial Carpet** 545
- Lonseal - resilient flooring** 546
- Louisiana Pacific - gypsum** 547
- MDC - wall coverings** 548
- Mercer - resilient flooring** 549
- Monsanto - lath & plaster** 550
- Mountain Lumber - wood flooring** 551
- Multicolor Specialties - paint** 552
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- Nafco - resilient flooring** 554
- National Products - wall coverings** 555
- Nello Walls- acoustical products** 556
- Neoguard - resilient flooring** 557
- Parex - stucco** 558
- Plastic Components - lath & plaster** 559
- PJV Tile, Marble, & Stone** 560
- Seneca Tiles** 561
- Silikal North America Flooring** 562
- Snap-Tex - acoustical products** 563
- Stark Ceramics - tile** 564
- Systems Development - acoustics** 565
- TEC - tile** 566
- Tectum - acoustical products** 567
- Thoro - Portland cement plaster** 568
- VPI - resilient flooring** 569
- Weather-Bos - paint** 570



# Division 10 - Specialties

**Toilet and Bath Accessories, Grilles & Screens, Wall & Corner Guards, Signage & Graphics, Lockers, Fire Protection Specialties, Pedestrian Control Devices, Protective Covers, Operable Partitions, Storage Shelving**



**Category** Toilet & Bath Accessories  
**Title** Toilet, Dressing, and Shower Compartments  
**Pages** 16  
**Contents** D S  
**Applications** DS  
 This catalog contains information on toilet, dressing, and shower compartments that are easy to maintain and can withstand abuse.  
**Metpar** 285



**Category** Toilet & Bath Accessories  
**Title** Electric Hand and Hair Dryers  
**Pages** 4  
**Contents** D S  
**Applications** DS  
 This catalog contains hand and hair dryers in push button or no-touch styles and in surface or semi-recessed mountings. It includes specifications and color charts.  
**Jetair** 286



**Category** Toilet & Bath Accessories  
**Title** Sanitary Partitions  
**Pages** 8  
**Contents** D S  
**Applications** DI DS  
 This brochure contains sanitary partitions and lockers. The solid-core, melamine panels are designed for wet, harsh environments.  
**W&W** 287



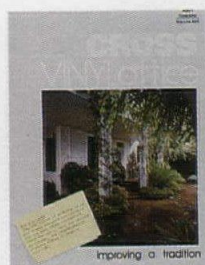
**Category** Toilet & Bath Accessories  
**Title** Creative Hospital and Washroom Accessories  
**Pages** 48  
**Contents** D S  
**Applications** DS  
 This catalog contains information on the design, function, and mounting of this company's hospital and public washroom accessories.  
**AJ** 288



**Category** Toilet & Bath Accessories  
**Title** Washroom Equipment  
**Pages** 52  
**Contents** D S  
**Applications** DS  
 This catalog contains photos, dimensioned drawings, and data on Bobrick's line of stainless steel, commercial washroom accessories, including toilet compartments.  
**Bobrick** 289



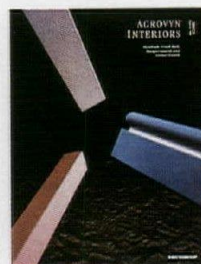
**Category** Toilet & Bath Accessories  
**Title** Sanitary Fittings and Washbasins  
**Contents** D  
**Applications** DI DS  
 This catalog describes Kroin's system of all-brass faucets, fixtures, and accessories for the kitchen, lavatory, and bath.  
**Kroin** 290



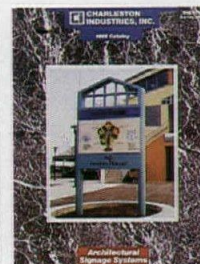
**Category** Grilles & Screens  
**Title** VINYLattice  
**Pages** 8  
**Contents** D I S  
**Applications** DI DS  
 These vinyl lattice panels for porches and decks are reinforced with polyester cord. They are available in a variety of sizes, patterns, and shapes.  
**Cross** 291



**Category** Wall & Corner Guards  
**Title** Boston Bumper  
**Pages** 20  
**Contents** D I S  
**Applications** DI DS  
 Boston Bumpers are vinyl wall and corner guards that absorb impact and maintain their configuration. They can be used for doors, displays, and high-traffic corridors.  
**Boston Retail** 292

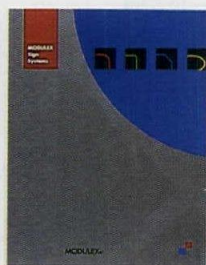


**Category** Wall & Corner Guards  
**Title** Acrovyn Wall Protection  
**Pages** 24  
**Contents** D S  
**Applications** DI DS  
 This catalog contains handrails, crash rails, and corner guards in many different colors and patterns. Detailed drawings and specifications are included.  
**C/S Group** 293

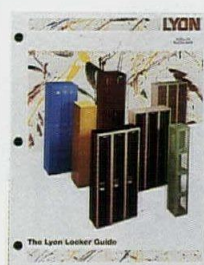


**Category** Signage & Graphics  
**Title** Architectural Signage Systems  
**Pages** 12  
**Contents** D S  
**Applications** DI DS  
 This brochure covers interior and exterior signage types. The information includes photos, ADA signage, materials, finishes, design information, and specifications.  
**Charleston** 294

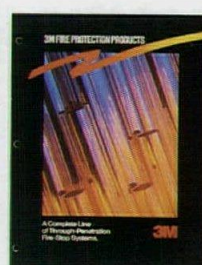


**Category** Signage & Graphics**Title** Sign Systems**Pages** 12**Contents** D S**Applications** DI DS

Detailing all of the size specifications for Modulex's line of interior and exterior signage, this brochure describes the custom signs that are possible.

**Modulex** 295**Category** Lockers**Title** Locker Guide**Pages** 20**Contents** D S**Applications** DS

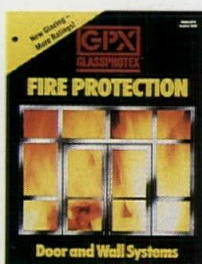
This catalog offers a wide variety of lockers for every type of application. The lockers come in 16 different colors and can be custom made. Specifications are included.

**Lyon** 296**Category** Fire Protection Specialties**Title** Through-Penetration Fire-Stop Systems**Pages** 12**Contents** D S**Applications** DS

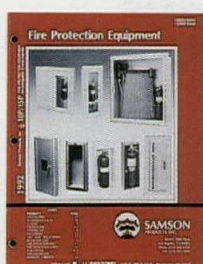
This brochure describes products that help prevent fire, smoke, toxic fumes, and moisture from passing through penetrations in fire-rated walls and doors.

**3M** 297**Category** Fire Protection Specialties**Title** Fire Safety Devices**Pages** 20**Contents** D S T**Applications** DS

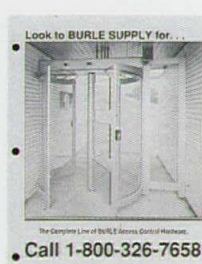
Commercial fire systems devices are described in this catalog. These include smoke detectors, signaling devices, and supervisory devices for monitoring sprinkler systems.

**System Sensor** 298**Category** Fire Protection Specialties**Title** Door and Windows**Pages** 8**Contents** D S T**Applications** DS

This brochure contains fire and safety glazing products with 20 to 120 minute ratings. It contains product applications, performance data, and specifying details.

**O'Keeffe** 299**Category** Fire Protection Specialties**Title** Fire Extinguisher and Hose Cabinets**Pages** 16**Contents** D S**Applications** DS

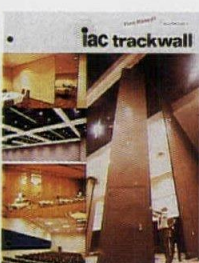
Samson provides a wide selection of fire extinguisher, hose, and valve cabinets. They can be recessed or surface mounted.

**Samson** 300**Category** Pedestrian Control Devices**Title** Access Control Hardware**Pages** 12**Contents** D S**Applications** DS

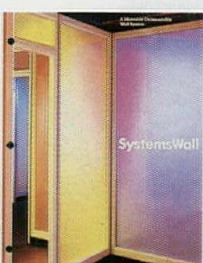
This brochure highlights full-height and waist-high turnstiles. It includes sliding and swinging gate operators, electromechanical locks, barrier gates, and accessories.

**Burle** 301**Category** Protective Covers**Title** Architectural Fabric Systems**Pages** 10**Contents** D I S**Applications** DI DS

This brochure offers information on this company's complete line of fabric systems for mansards, walkway and entrance covers, canopies, awnings, banners, and much more.

**Architectural Fabric Systems** 302**Category** Operable Partitions**Title** Trackwall**Pages** 12**Contents** D S T**Applications** DI DS

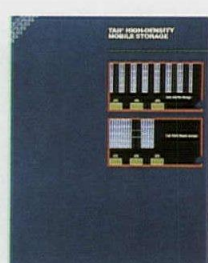
This operable wall system is acoustically absorbant and fire resistant. It is available in single-wall, double-wall, and single perforated wall and septum systems.

**IAC** 303**Category** Operable Partitions**Title** SystemsWall**Pages** 16**Contents** D S**Applications** DI DS

This brochure describes how Krueger's demountable partitions can be a barrier or partial barrier while channeling power cables throughout the system.

**Krueger** 304**Category** Operable Partitions**Title** Movable Wall Systems**Pages** 8**Contents** D S**Applications** DI DS

This brochure contains complete descriptive and photographic information on Virginia Metal's movable walls. It contains a step-by-step guide to specifications.

**Virginia Metal** 305**Category** Storage Shelving**Title** High-Density Mobile Storage**Pages** 20**Contents** D S**Applications** DI DS

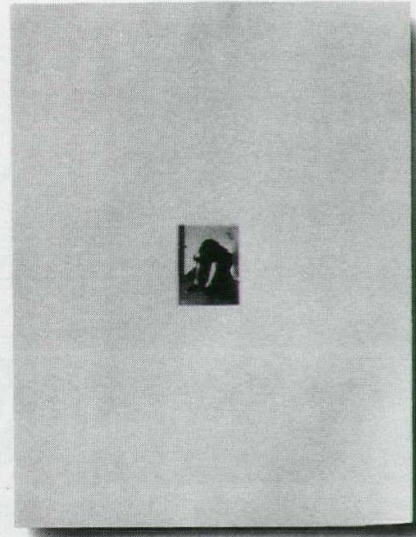
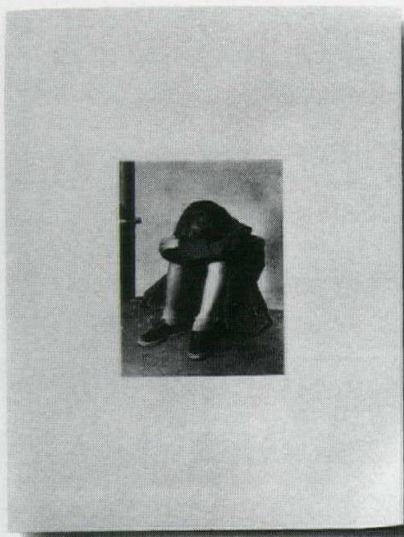
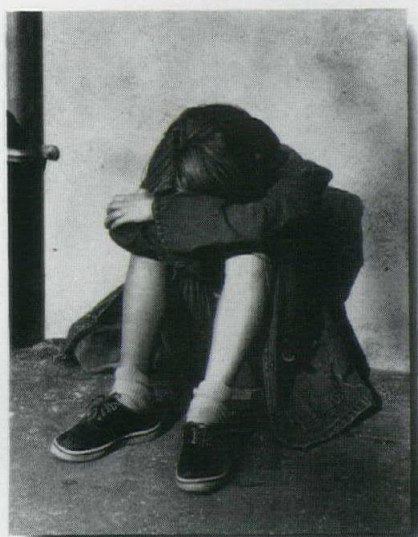
TAB's high-density mobile storage system is available in a standard metal frame or with self-edged and radiused treatments. A wide range of colors and textures are offered.

**TAB** 306



**The people at Xerox are experts at  
enlarging and reducing things.  
Just look what they've done for the  
child abuse problem in Kansas City.**

Every hug, each bit of praise, every minute of one-to-one attention Xerox employees give the children at the Niles Home helps lessen the pain these abused children must suffer. But, more impor-



tant perhaps, is the impact their time and effort has on the battered children problem as a whole.

That's what Xerox Chief Executive Officer and President Paul Allaire had in mind when he helped pioneer Xerox's Community Involvement Program (XCIP) in 1974. XCIP provides a means to channel funds to employees for community projects.

Some of the social problems on which Xerox employees have already had meaningful impact are youth at risk, environmental problems, illiteracy, AIDS, and the disabled.

This is the kind of corporate activism that the Points of Light Foundation is hoping to promote.

The Foundation is a non-profit, non-partisan organization founded in 1990 in hopes of encouraging community service. And like Xerox we are committed to solving serious social problems on a local level — with innovative solutions.

And although employees often donate time to these social programs during business hours, companies have reported only positive effects on their businesses, such as enhanced employee self-esteem and morale, and improved leadership and teamwork. Of course, without the support and par-

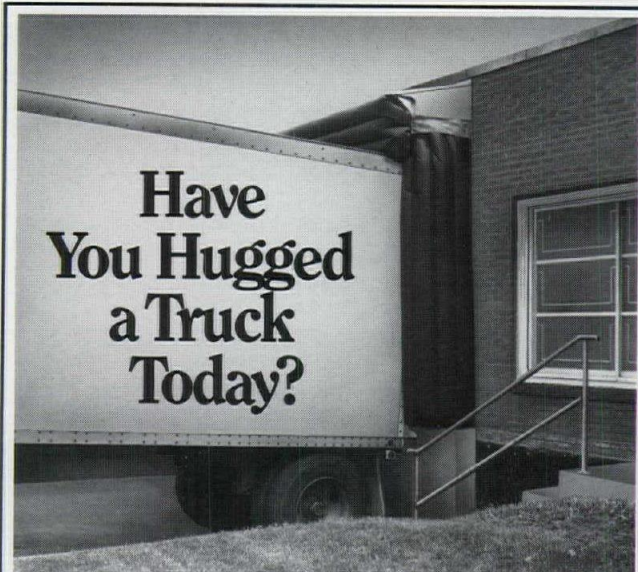
ticipation of people such as Xerox's President and CEO, Paul Allaire, programs like these would never be possible. It takes the power only our nation's business leaders can provide to solve their communities' problems.

For more information on corporate involvement in community service, contact the Points of Light Foundation at 1-800-888-7700.

But please call us soon. Because although a program like Xerox's may be very difficult to duplicate, we would really like to help you try.







Hugging a truck sounds a little ridiculous. It's not, however, when you're doing the hugging with a dock seal from AirLocke, because the end result will save you money.

And AirLocke perimeter seals literally do hug the backs of trucks at your dock, leaving the rear opening totally unobstructed for loading and unloading. Inflated by an electric-powered blower, the seals are designed to inflate down against the top and inward against the sides of semi-trailers and trucks, effectively keeping rain, snow, dust, and other undesirables outside, and costly conditioned air inside.

Call for details or ask for color brochure Form No. AL 86-302.

## AirLocke DOCK SEAL

Division of O'Neal Tarpaulin Co.  
549 W. Indianola Ave., Youngstown, OH 44511  
Phone: (216) 788-6504 • FAX: (216) 788-6705  
Toll Free 1-800-538-2388

Circle **No. 897** on Reader Service Card

### Other Relevant Products

Cooley Sign Systems 571

Composite Technology - louvers 572

Dowcraft - operable partitions 573

Empco - louvers 574

Hastings Tile - toilet & bath accessories 575

Hewi - toilet & bath accessories 576

J.L. Industries - fire protection specialties 577

Larsens - fire protection 578

Linido - toilet & bath accessories 579

Mapes - protective covers 580

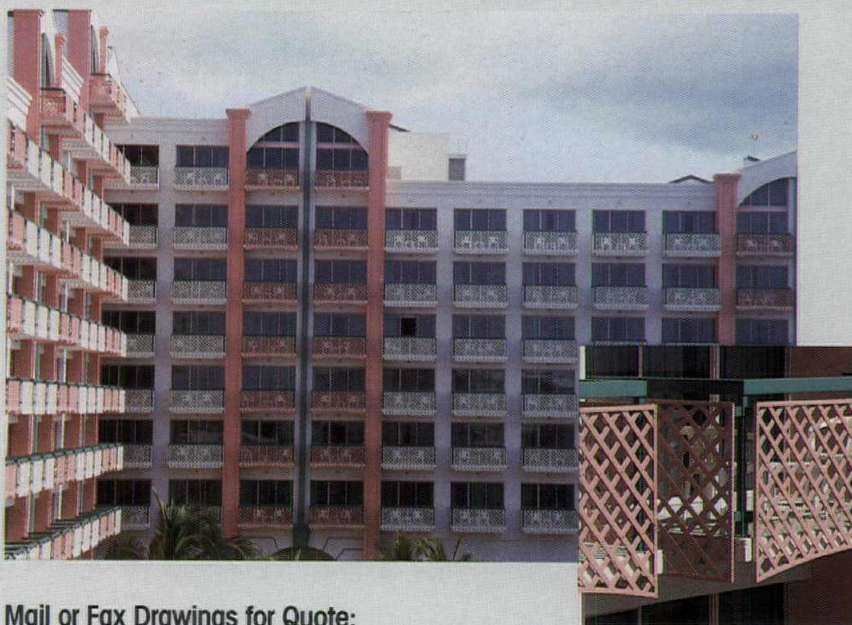
Office Specialty - lockers 581

Safety Tech. - protective covers 582

Tsao-Cls - hat & coat rack accessories 583

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3174 Marjan Drive Atlanta, Georgia 30340  
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- Entire installations can be shipped in pre-assembled sections.
- Reduces labor costs and waste.
- Custom orders are welcome.

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**CROWN** *aluma* FRAME

**CROWN** *aluma* RAIL

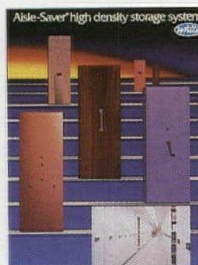
**CROWN** *aluma* LATTICE

Circle **No. 881** on Reader Service Card

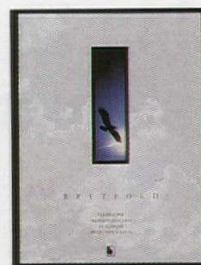


# Division 11 - Equipment

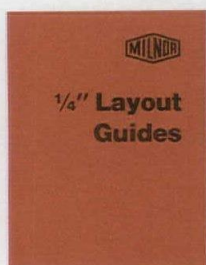
**Library Equipment, Projection Screens, Laundry & Dry Cleaning Equipment, Commercial Equipment, Loading Dock Equipment, Detention Equipment, Residential Equipment**



**Category** Library Equipment  
**Title** High Density Storage System  
**Pages** 20  
**Contents** D S  
**Applications** DI DS  
 This brochure describes the Aisle-Saver system, which allows the user to open an aisle wherever necessary. End panels can be steel, fabric, wood veneer, or glass.  
**White** 307



**Category** Projection Screens  
**Title** Seamless Projection Screens  
**Pages** 10  
**Contents** D S  
**Applications** DS  
 This catalog contains projection screens made from smooth, seamless surface fabrics. It features rear projection screens, electric screens, and scissor-action screens.  
**Bretford** 308



**Category** Laundry & Dry Cleaning Equipment  
**Title** Layout Guides  
**Pages** 50  
**Contents** D  
**Applications** DS GT  
 This package contains layout guides for batch washers and high capacity washer-extractors. The guides come in 1/4", 1/8", 1:50, and 1:1000.  
**Milnor** 309



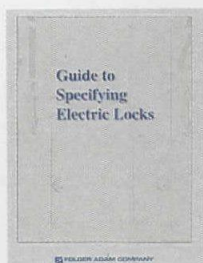
**Category** Commercial Equipment  
**Title** Océ 7000 Copier  
**Pages** 2  
**Contents** D  
**Applications** GT  
 The Océ 7000 is one of the smallest plain-paper copiers for large-size documents. It copies technical and architectural drawings and much more.  
**Océ-Bruning** 310



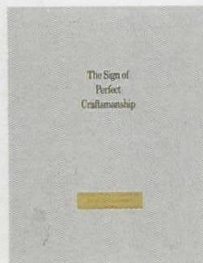
**Category** Loading Dock Equipment  
**Title** Docklevelers  
**Pages** 16  
**Contents** D S  
**Applications** DS  
 This brochure features photographs of mechanical and hydraulic dock levelers in use. It includes load capacity and specifications.  
**Kelley** 311



**Category** Detention Equipment  
**Title** Detention Specialties  
**Pages** 4  
**Contents** D S  
**Applications** DS  
 This catalog contains heavy-gauge fire extinguisher, fire hose, and valve cabinets. They are available with different security locks and opening assemblies.  
**J.L. Industries** 312



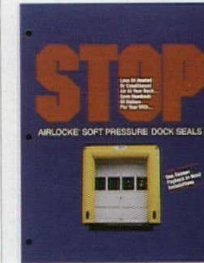
**Category** Detention Equipment  
**Title** Guide to Specifying Electric Locks  
**Pages** 8  
**Contents** D S T  
**Applications** DS  
 This guide to electric-lock and security detention systems describes application considerations, benefits, and limitations. It has a glossary of terms and functions.  
**Folger Adam** 313



**Category** Residential Equipment  
**Title** Kitchen Range Hoods  
**Pages** 24  
**Contents** D S  
**Applications** DI DS  
 This brochure is a "how to" book of kitchen range ventilation requirements. The information compares hood size to cooktop size and gives information on ducting.  
**Abbaka** 314



**Category** Residential Equipment  
**Title** Home Products Catalog  
**Pages** 94  
**Contents** D  
**Applications** DS  
 This catalog describes video surveillance, radio-intercoms, exhaust fans, electric heaters, range hoods, central vacs, security systems, and much more.  
**NuTone** 315



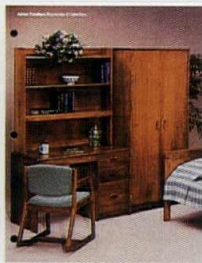
**Category** Loading Dock Equipment  
**Title** AirLocke Soft Pressure Dock Seals  
**Pages** 4  
**Contents** I  
**Applications** DS  
 This color, four-page catalog describes an entire line of inflatable dock seals, designed to reduce loss of conditioned air while keeping out rain, snow, insects, and dust.  
**AirLocke** 316



# Division 12 - Furnishings

Furnishings

**Blinds & Shutters, Furniture & Accessories, Office Furniture, Tables & Credenzas, Floor Mats, Auditorium & Theater Seating, Laboratory Furniture**



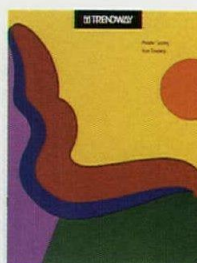
**Category** Furniture & Accessories  
**Title** Roomate 2 Collection  
**Pages** 8  
**Contents** D  
**Applications** DS  
This line of furnishings includes wardrobes, desks, platform and bunk beds, bookshelves, and chairs. They are available in stained solid red maple.  
**Adden** 319



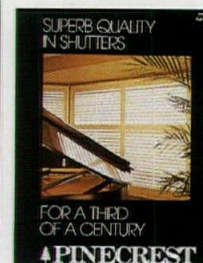
**Category** Furniture & Accessories  
**Title** Reading Series Chairs  
**Pages** 25  
**Contents** D  
**Applications** DS  
This brochure offers drawings and dimensions on Pasenella's line of Reading Chairs, Ottomans, Settees, and Sofas.  
**Pasenella** 320



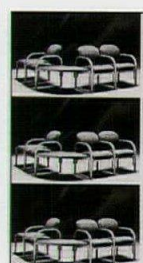
**Category** Blinds & Shutters  
**Title** Commercial Window Treatments  
**Pages** 60  
**Contents** D S T  
**Applications** DS  
This folder contains brochures on the making of the Bali blind, the company's contract sales service, and its contract guarantees, along with Bali's full product catalog.  
**Bali** 317



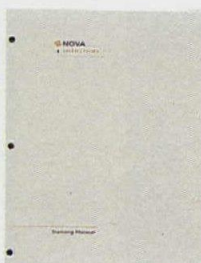
**Category** Furniture & Accessories  
**Title** Prelude Seating  
**Pages** 12  
**Contents** D  
**Applications** DS  
The Prelude line of chairs offers management chairs, guest chairs, and drafting chairs. They have a lightweight fiberglass base and are available in over 70 fabrics.  
**Trendway** 321



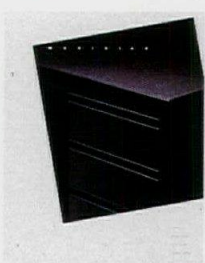
**Category** Blinds & Shutters  
**Title** Custom Shutters  
**Pages** 34  
**Contents** D I S  
**Applications** DI DS  
Pinecrest shutters are available in many shapes and sizes. The lower shapes come in flat, curved, narrow, wide, fixed, fan top, rake, and arch.  
**Pinecrest** 318



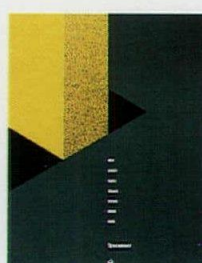
**Category** Furniture & Accessories  
**Title** 1050 Series Seating  
**Pages** 4  
**Contents** D  
**Applications** DS  
This brochure describes Condi's armless, open arm, and panel arm seats, which can be assembled with or without tables. They are intended for lobbies and office settings.  
**Condi** 322



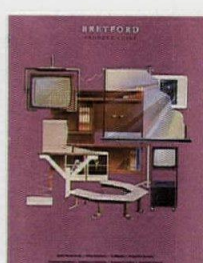
**Category** Office Furniture  
**Title** Nova Solutions  
**Pages** 22  
**Contents** D T  
**Applications** DS IS  
This is a training manual about Nova's computer furniture system, which is designed for the needs of the user. It contains controlled studies about the furniture's unique design.  
**Nova** 323



**Category** Office Furniture  
**Title** 6000 Series  
**Pages** 12  
**Contents** D  
**Applications** DS  
Meridian's 6000 series desks, credenzas, and computer support furniture are illustrated in full-page, full-color photographs that depict the options available.  
**Meridian** 324



**Category** Office Furniture  
**Title** High Density Mobile Storage Systems  
**Pages** 4  
**Contents** D S  
**Applications** DS  
Spacesaver's high density mobile storage system makes it possible to mount storage equipment on the carriages safely.  
**Spacesaver** 325



**Category** Office Furniture  
**Title** Product Guide  
**Pages** 66  
**Contents** D S  
**Applications** DS  
This catalog contains training room, office, and computer furniture. It also contains a 10 page section on projection screens.  
**Bretford** 326



*The Weatherend Story.*



Imagine  
a time long ago  
and a place  
not so far away  
an estate in Maine  
called Weatherend.  
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rooms and gardens  
with furniture  
tables benches chairs  
whose sinuous curves  
mirrored the lines  
of the sea. That was  
long ago but listen  
to the story of  
Weatherend today  
a story of artisans and  
time-honored  
boatbuilding techniques  
and furniture as durable  
as it is beautiful.

**Weatherend®**  
ESTATE FURNITURE

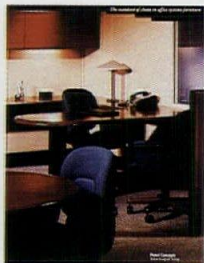
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now you tell yours and  
tell it with Weatherend  
furniture to create  
an interior or landscape  
destined to become a  
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For a portfolio of our complete collection write Weatherend® Estate Furniture, P.O. Box 648, Rockland, Maine 04841 or call 207/596-6483.





**Category** Office Furniture

**Title** Office Systems

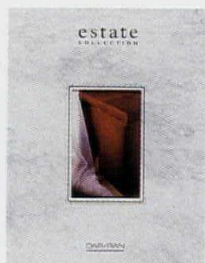
**Pages** 36

**Contents** D S

**Applications** DI DS

Executive, Managerial, Staff, and Support Systems are available in wood or metal componentry. This office furniture has storage and cable management options.

**Panel Concepts** 327



**Category** Office Furniture

**Title** Estate Collection

**Pages** 10

**Contents** D

**Applications** DS

This collection of desks and workstations are ideally suited for upper management applications. Dark, natural, light brown, and amber cherry finishes are available.

**DAR/RAN** 328



**Category** Office Furniture

**Title** Technology Furniture

**Pages** 36

**Contents** D S

**Applications** DS

This catalog shows the adjustable mobile carts and workstations for residential and office computer uses. Each product includes dimensions and specifications.

**Anthro** 329



**Category** Office Furniture

**Title** Desk Based Workstations

**Pages** 14

**Contents** D S

**Applications** DS

This brochure shows the how workstations can be custom made by the specifier, from Haskell's variety of desk, table, and chair units.

**Haskell** 330



**Category** Tables & Credenzas

**Title** Table Sourcebook

**Pages** 70

**Contents** D S

**Applications** DS

This catalog contains photos and diagrams of a full range of conference, folding, dining, and occasional tables. The tables can be custom specified.

**Johnson** 331



**Category** Rugs

**Pages** 20

**Contents** D

**Applications** DS

This package contains color photographs of Christine Vanderhurd's rugs along with a listing of sizes and prices.

**Christine Vanderhurd** 332



**Category** Floor Mats

**Title** CADalog of Mats and Grates

**Pages** 10 plus 1 diskette

**Contents** D S

**Applications** DS GT

This CADalog is menu driven to guide the user to the selection of entrance mats or grate systems. It provides drawings and specifications for construction documents.

**Arden** 333



**Category** Floor Mats

**Title** Pedigrid Pedimat

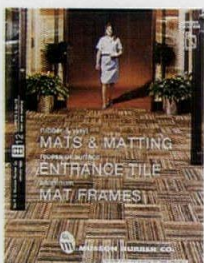
**Pages** 8

**Contents** D S

**Applications** DI DS

Pedimat has aluminum hinged tread rails with 100% nylon carpet treads in 25 different hues. These carpets can be easily personalized with logos and trademarks.

**C/S Group** 334



**Category** Floor Mats

**Title** Mats and Matting

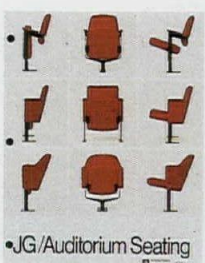
**Pages** 8

**Contents** D S

**Applications** DI DS

This brochure features surface entrance matting made of rubber, vinyl, fluff cord, or tile. It includes roll-up mats and aluminum mat frames.

**Musson** 335



**Category** Auditorium & Theater Seating

**Title** Auditorium Seating

**Pages** 16

**Contents** D I S

**Applications** DI DS

This brochure details three types of auditorium seating. It includes in-use photos, dimensions, specifications, and installation instructions.

**JG** 336



**Category** Auditorium & Theater Seating

**Title** Auditorium Seating Elements

**Pages** 20

**Contents** D

**Applications** DI DS

This brochure offers individual components of auditorium seating such as seats, arm supports and tables. The seating is custom made.

**Irwin** 337



**Category** Laboratory Furniture

**Title** Laboratory Environments

**Pages** 8

**Contents** S

**Applications** DI

This company's line of laboratory furniture, including desks, fume hoods, lab benches, and tables, are illustrated in a four-color brochure.

**Kewaunee** 338



**Other Relevant Products:**

**American Seating - Lab. seating** 584  
**Cano - office systems** 585  
**Diazit - storage furnishings** 586  
**Geiger Internat. - office furnit.** 587  
**Girsberger Office Seating** 588  
**Gunlocke - desks** 589  
**Halcon - furniture systems** 590  
**ICF - Aalto chairs** 591  
**JG Furniture - office systems** 592  
**JL Industries - floor mats** 593  
**Knoll - furniture systems** 594  
**Krueger - outdoor seating** 595  
**Mero - furniture systems** 596  
**Modu Form - furniture systems** 597  
**Nisnevich - furniture** 598  
**Playscapes - furniture access** 599  
**Richards-Wilcox - office furnit.** 600  
**Schumacher - fabrics** 601  
**TAB - office systems** 602  
**Vecta - furniture** 603

**INFORMATION**

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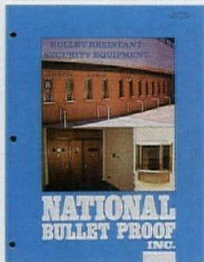
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# Division 13 - Special Construction

**Integrated Ceilings, Shelters & Booths, Bullet Resistant Protection, Pre-engineered Structures, Glazed Structures, Swimming Pools**



**Category** Bullet Resistant Protection  
**Title** Bullet Resistant Security Equipment

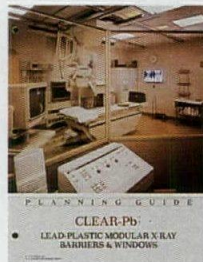
**Pages** 12

**Contents** D S

**Applications** DS

These bullet resistant security detention cells, enclosures, doors, and windows are made of Balistex steel and are also fire resistant.

**National Bullet Proof** 341



**Category** Radiation Protection  
**Title** Modular X-Ray Barriers and Windows

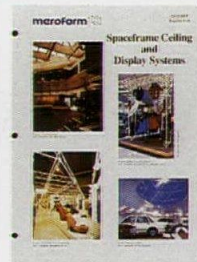
**Pages** 24

**Contents** D S T

**Applications** DS

These modular x-ray barriers and windows are made of a lead-impregnated transparent plastic that is shatter-resistant.

**Nuclear** 342



**Category** Integrated Ceilings

**Title** Space Frame Systems

**Pages** 4

**Contents** D

**Applications** DI DS

Three space frame systems for ceilings and displays are detailed in this brochure: a tube and node system, a lightweight steel truss, and a panel connector system.

**Meroform** 339



**Category** Shelters & Booths

**Title** Audiometric Booth

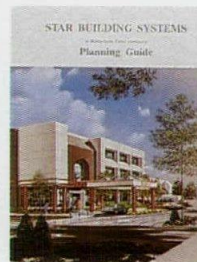
**Pages** 2

**Contents** D S

**Applications** DS

This brochure describes Eckel's pre-assembled audiometric booths for medical offices. The booth is finished with a polyurethane enamel and can pass through 30" doorways.

**Eckel** 340



**Category** Pre-engineered Structures  
**Title** Building Systems Planning Guide

**Pages** 14

**Contents** D S

**Applications** DI DS

This brochure contains structural framing systems, walls, roofs, and accessories. The pre-engineered products are factory assured.

**Star** 343



**Category** Pre-engineered Structures  
**Title** CADalog of Structural Building Panels

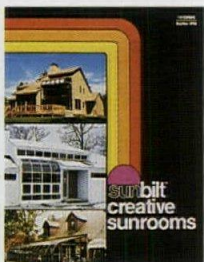
**Pages** 10 plus 3 diskettes

**Contents** C D S

**Applications** DS GT

This CADalog is a computerized version of R-Control products. It includes detail drawings and specifications and runs on PC's.

**AFM** 344



**Category** Glazed Structures  
**Title** Creative Sunrooms

**Pages** 8

**Contents** D I S

**Applications** DI DS

This brochure details Sunbilt's heavy duty aluminum sunroom structure with 1" insulating glass. It has both residential and commercial applications.

**Sunbilt** 345



**Category** Glazed Structures  
**Title** Summer Rooms - Winter Gardens

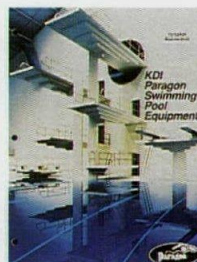
**Pages** 18

**Contents** D S

**Applications** DI DS

This brochure displays traditional English garden rooms in many different designs. Wood or aluminum construction is available with double glazing.

**Amdega** 346



**Category** Swimming Pools  
**Title** Swimming Pool Equipment

**Pages** 16

**Contents** C D S

**Applications** DS

This catalog contains railings, diving towers, starting platforms, and pool accessories. A construction drawing accompanies each product description.

**KDI Paragon** 347



**Category** Swimming Pools  
**Title** Swimming Pool, Aquatic, and Recreational Equipment

**Pages** 160

**Contents** D

**Applications** DS

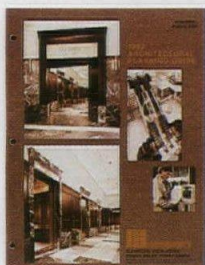
This catalog is an informational source about Recreonics' swimming pool systems as well as an equipment Buyers' Guide & Operations Handbook.

**Recreonics** 348



# Division 14 - Conveying Systems

**Elevators, Material Lifts, Wheelchair Lifts, People Mover Systems**



**Category** Elevators  
**Title** Elevators and Escalators

**Pages** 16

**Contents** D S

**Applications** DS

This catalog includes passenger, service, and freight elevators, available in hydraulic, gearless, and geared systems. It also includes escalators and power walks.

**Montgomery** 351



**Category** Wheelchair Lifts  
**Title** Carrier Lift

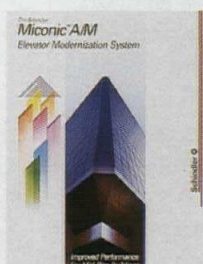
**Pages** 6

**Contents** D S

**Applications** DS

This wheelchair lift provides accessibility for straight and curved stairways. This brochure contains application photos and specifications.

**American Stair-Glide** 352



**Category** Elevators  
**Title** Miconic A/M

**Pages** 4

**Contents** S

**Applications** DI

This full-color brochure features Schindler's new Miconic™ A/M Traction Elevator Modernization System for mid-rise buildings. It reduces passenger waiting time and improves ride quality.

**Schindler** 355



**Category** Material Lifts

**Title** Production Lift Tables

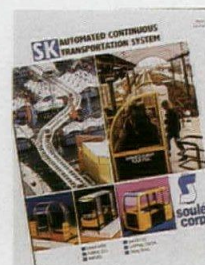
**Pages** 8

**Contents** D S

**Applications** DS

Advance Lifts manufactures stainless steel production lift tables with travel heights of 24, 36, or 48 inches and capacities ranging from 2,000 to 6,000 lbs.

**Advance Lifts** 349



**Category** People Mover Systems  
**Title** Automated Continuous Transportation System

**Pages** 4

**Contents** D S

**Applications** DI DS

This automated people mover is designed for use in transporting people between remote sites such as terminals and parking lots.

**Soule** 353



**Category** Elevators

**Title** Elevette

**Pages** 6

**Contents** D S

**Applications** DS

This residential elevator offers a solution to handicapped accessibility in multi-story houses. It has a light-weight aluminum frame and is moderately priced.

**Inclinator** 643



**Category** Wheelchair Lifts  
**Title** Stair-Lift

**Pages** 8

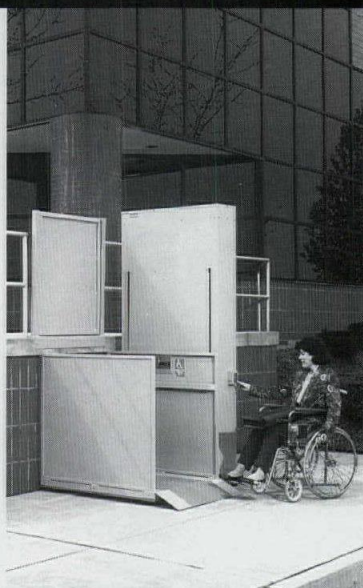
**Contents** C D I S

**Applications** DI DS

The Garaventa Stair-Lift complies with ADA regulations. This newly revised Design and Planning Guide helps answer concerns on codes, layouts, contracts specifications, and more.

**Garaventa** 354





## SOME FOLKS NEED A LITTLE LIFT.

Eliminate any problems that steps can cause to people with physical limitations with the new LIFT-ette vertical platform lift from Inclinator.

The LIFT-ette can lift a wheelchair, its occupant and an attendant from four to twelve feet. And because it can be adapted for usage both indoors and out, it's perfect for schools, churches, meeting halls, office buildings and homes.

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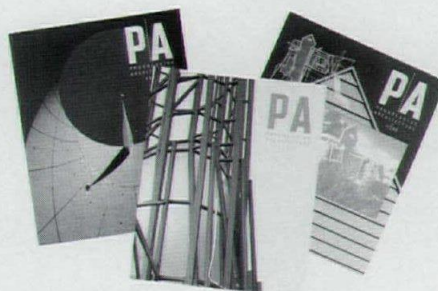
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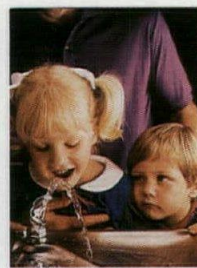
Gerry Katz  
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# Division 15 - Mechanical

**Water Coolers & Drinking Fountains, Cooling Towers, Convectors & Radiators, Unit Heaters, Radiant Heating Systems, Mechanical Controls, Duct Accessories, Water Closets**



**Category** Water Coolers & Drinking Fountains

**Title** Quality and Refreshing

**Pages** 24

**Contents** D S

**Applications** DI DS

This catalog details water coolers and drinking fountains. It includes wall-mount, floor-standing, and barrier-free systems.

**Halsey Taylor** 356



**Category** Water Coolers & Drinking Fountains

**Title** Catalog #192

**Pages** 20

**Contents** C D

**Applications** DS

This catalog contains indoor and outdoor drinking fountains and water coolers. New sensor-operated water coolers are featured.

**Haws** 357



**Category** Cooling Towers

**Title** Protec Cooling Towers

**Pages** 5

**Contents** D S

**Applications** DS

This brochure describes the fiberglass round bottle-type cooling tower. It includes dimension specifications and a model capacity chart.

**Protec Cooling Towers** 358



**Category** Convectors & Radiators

**Title** Radiant Heat

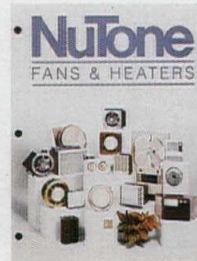
**Pages** 8

**Contents** D T

**Applications** DI DS

These elegant panel radiators are for use with hot water heating systems. The brochure includes convective, vertical, ceiling, perimeter, and wall-panel radiators.

**Runtal** 359



**Category** Unit Heaters

**Title** Fans and Heaters

**Pages** 32

**Contents** D S

**Applications** DS

This catalog contains ceiling, wall, under-cabinet, and register-style heaters. It includes range ventilators, attic fans, and whole-house ventilation systems.

**NuTone** 360



**Category** Radiant Heating Systems

**Title** Infloor Heating Systems

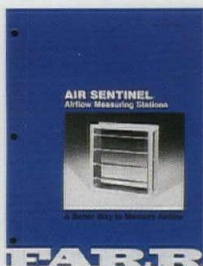
**Pages** 4

**Contents** D S

**Applications** DS

This brochure describes the Infloor hot water heating system, which is attached to the subfloor and embedded in a gypsum underlayment called Thermo-Floor.

**Gyp-Crete** 361



**Category** Mechanical Controls

**Title** Airflow Measuring Stations

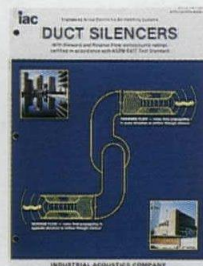
**Pages** 8

**Contents** D S

**Application** DS

This brochure describes a new line of measuring stations for accurate measurement of airflow in HVAC systems. It supplies adequate airflow as required by ASHRAE.

**Farr** 362



**Category** Duct Accessories

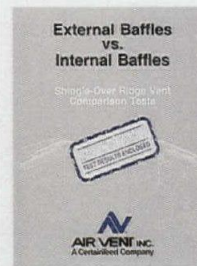
**Title** Duct Silencers

**Contents** D I S

**Applications** DS

This catalog details rectangular and cylindrical duct silencers. These products achieve consistent noise-abatement results. Specifications are included.

**Industrial Acoustics** 363



**Category** Duct Accessories

**Title** External vs. Internal Baffles

**Pages** 6

**Contents** D S T

**Applications** DS

Eleven different shingle-over ridge vent test results are part of this brochure which describes Air Vent's external wind baffles in comparison to other ridge vents.

**Air Vent** 364



**Category** Water Closets

**Title** Low Consumption Toilets and Urinals

**Pages** 4

**Contents** S

**Applications** DI

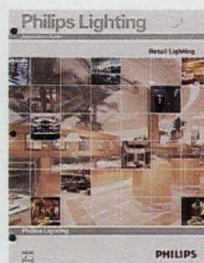
This brochure provides color photographs of each quality low-consumption product manufactured by Briggs, as well as a description of each.

**Briggs** 365

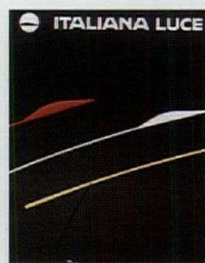


# Division 16 - Electrical

**Meters, Lighting, Ballasts, Interior Luminaires, Exterior Luminaires, Luminous Ceilings, Emergency Lighting, Lighting Control Equipment, Electrical Feeds**



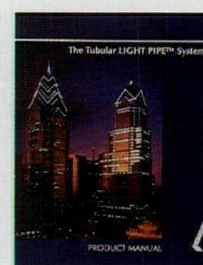
**Category** Lighting  
**Title** Office and Retail Lighting  
**Pages** 76  
**Contents** D S  
**Applications** DI DS  
 These two application guides provide information on retail lighting and office lighting. The guides offer a variety of light source suggestions.  
**Philips** 368



**Category** Lighting  
**Title** Lamps  
**Pages** 80  
**Contents** D  
**Applications** DI DS  
 This catalog contains Italian contemporary lighting designs. These fixtures are available in floor, wall, ceiling, and table designs.  
**Italiana Luce** 369



**Category** Lighting  
**Title** Track Lighting  
**Pages** 24  
**Contents** D I  
**Applications** DS  
 This brochure includes track and low voltage recessed lighting. The track lighting is available in low voltages using halogen light sources.  
**Con-Tech** 366



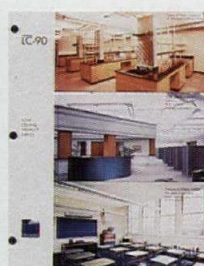
**Category** Lighting  
**Title** Tubular Light Pipe System  
**Pages** 18  
**Contents** D I S  
**Applications** DI DS  
 This Tubular Light Pipe System is ideal for areas that are difficult to illuminate. The light pipe carries the beam from point sources over long distances.  
**TIR** 367



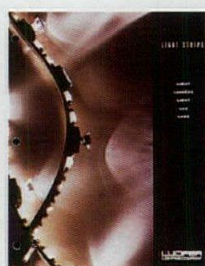
**Category** Ballasts  
**Title** Fluorescent Lamp Ballasts  
**Pages** 32  
**Contents** D S T  
**Applications** DS  
 This catalog of fluorescent light ballasts describes energy cost savings. It includes electrical data, wiring diagrams, and dimensions.  
**Advance** 370



**Category** Interior Luminaires  
**Title** Indirect Parabolic Reflector  
**Pages** 12  
**Contents** D S  
**Applications** DI DS  
 This reflector for indirect linear fluorescent fixtures allows greater spacing between units. This brochure contains product descriptions and specifications.  
**Columbia** 371



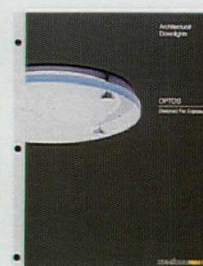
**Category** Interior Luminaires  
**Title** Indirect/Direct Luminaires  
**Pages** 6  
**Contents** D S  
**Applications** DI DS  
 This brochure describes the LC-90 and the Elliptical LC-91 indirect/direct luminaires. Both fixtures feature semi-specular parabolic baffles for glare control.  
**Litecontrol** 372



**Category** Interior Luminaires  
**Title** Light Strips  
**Pages** 25  
**Contents** D I S  
**Applications** DI DS  
 This brochure contains information on lighting strips that offer flexibility in a discrete profile. The strips can fit straight or curved applications.  
**Lucifer** 373



**Category** Interior Luminaires  
**Title** Milano Torino Lights  
**Pages** 35  
**Contents** D  
**Applications** DS  
 This collection of lamps was designed by architects from Turin, Italy. They are made of very diverse materials and are decorative as well as functional.  
**Artemide** 374



**Category** Interior Luminaires  
**Title** Architectural Downlights  
**Pages** 6  
**Contents** D S  
**Applications** DS  
 Optos is an architectural downlight designed by Ettore Sottsass. It has interchangeable rings, reflectors, and glass accessories.  
**Zumtobel** 375



**Project** Babson College  
Recreation & Special Events Center  
**Location** Wellesley, Massachusetts  
**Architect** Ellenzweig Associates, Inc.  
**Engineer** Lottero & Mason  
**Fixture** MOD-66, Wall Indirect/Direct  
MOD-66, Pendant Indirect  
**Photo** Charles Mayer, Hansen/Mayer

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**Category** Interior Luminaires  
**Title** Richard Meier Collection

**Pages** 4

**Contents** D S

**Applications** DS

This brochure describes Richard Meier's first lighting collection. This lighting combines a sculptural coupling of form and function.

**Baldinger** 376



**Category** Interior Luminaires

**Title** Wall Luminaires

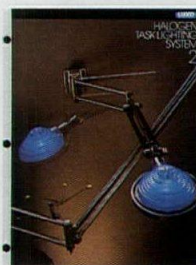
**Pages** 12

**Contents** D S

**Applications** DS

This catalog features recessed wall luminaires for steps and walkways. The aluminum die cast luminaires use low voltages and are very versatile.

**Bega** 377



**Category** Interior Luminaires

**Title** Halogen Task Lighting

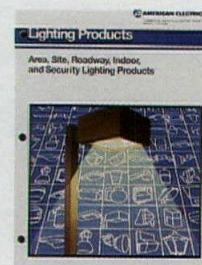
**Pages** 4

**Contents** D S

**DI** DS

This brochure uses color photos and detailed line drawings to illustrate the various types and uses for this flexible and foldable task lighting system.

**LUXO** 378



**Category** Exterior Luminaires

**Title** Lighting Products

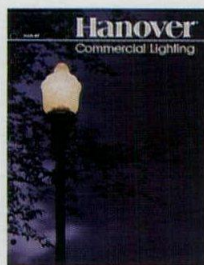
**Pages** 184

**Contents** D S

**Applications** DS

This catalog contains lighting for area, site, roadway, indoor, and security applications. It includes mechanical and electrical specifications.

**American Electric** 379



**Category** Exterior Luminaires

**Title** Commercial Lighting

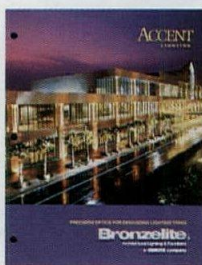
**Pages** 35

**Contents** D S

**Applications** DI DS

This catalog details Hanover's heavy-duty cast titanium/aluminum commercial-grade light fixtures, poles, and accessories. It includes photometric data.

**Hanover** 380



**Category** Exterior Luminaires

**Title** Architectural Lighting and Fountains

**Pages** 12

**Contents** D S

**Applications** DI DS

This brochure details exterior accent lighting. This includes flood, spot reflector, and horizontal lighting systems.

**Bronzelite** 381



**Category** Luminous Ceilings

**Title** Ceiling Louvers

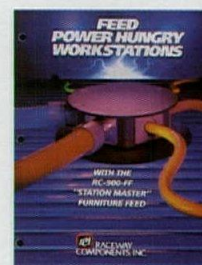
**Pages** 32

**Contents** D I S

**Applications** DS

Parabolic lighting louvers which eliminate glare in offices and other interior applications are described. This brochure includes installation and specification instructions.

**American Louver** 382



**Category** Electrical Feeds

**Title** Station Master

**Pages** 4

**Contents** S

**Applications** DS

This brochure describes the new FF "Station Master" furniture Feed fitting. The roundish, series design of the poke-through feed for power and low tension conductors.

**Raceway Components** 383



**Category** Lighting

**Title** Kim Lighting

**Pages** 6

**Contents** S

**Applications** DI

This fold-out brochure provides an overview of the company's exterior lighting fixtures, including area, flood, and landscape lighting, as well as bollards, concealed lighting, and underwater fixtures.

**Kim Lighting** 384



**Category** Lighting Control Equipment

**Title** MicroDim

**Pages** 6

**Contents** D S

**Applications** DS

MicroDim provides precise lighting control while offering a stylish appearance. This brochure displays the various styles and describes the technical features.

**Leviton** 385



**Category** Lighting Control Equipment

**Title** Wiring Devices

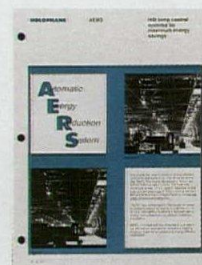
**Pages** 16

**Contents** D S

**Applications** DI DS

This catalog describes switches, dimmers, receptacles and communication outlets that are available in brown, ivory, white, gray, and black wall plates.

**Hubbell** 386



**Category** Lighting Control Equipment

**Title** HID Lamp Control System

**Pages** 6

**Contents** D S

**Applications** DS

This control system allows the conserve energy by operating of, or all of an HID lighting system at a reduced rate of energy consumption.

**Holophane** 387



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