Information Sources 1992-1993

Office Lighting and
Progressive Architecture
Information Sources 1992-93

Information Sources Issue
Editor in charge: Thomas Fisher; Writer/Editor: Lillian Kuri

This issue is dedicated to the memory of Kenneth Labs.

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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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National Association of Home Builders (NAHB)
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American Society of Concrete Construction (ASCC)
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Portland Cement Association (PCA)
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Skokie, IL 60077
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References
Design and Control of Concrete Mixes, EBO1, PCA, 1980, 212 pp.

0310 - Concrete Formwork

References
Concrete Forming, V43/4Q, American Plywood Association (see O6100), 1990, 24 pp.
Concrete Formwork, SpecGUIDE G03500, CSI, 1986.
Concrete Formwork, SP-4, ACI, 1989, 475 pp.

0320 - Concrete Reinforcement and Accessories

Organizations
Wire Reinforcement Institute (WRI)
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Washington, DC 20036-3403
(202) 429-5125

Concrete Reinforcing Steel Institute (CRSI)
953 North Plum Grove Rd.
Schaumberg, IL 60173
(708) 517-1200

References
Anchorage to Concrete, SP-103, ACI, 1987, 322 pp.
Concrete Reinforcement, WRI, 1983, 32 pp.


0330 - Cast-in-Place Concrete

References
Architectural Concrete: Construction Documents, J. Shillito, Concrete International (ACI), Nov 1985 (reprints from PCA).
Cast-in-Place Concrete, SpecGUIDE G03500, CSI, 1989.
Residential Concrete, NAHB Bookstore, 1985, 71 pp.
Troubleshooting Site-Cast Architectural Concrete Problems, Aberdeen Group, 24 pp.

03400 - Precast Concrete

Organizations
Architectural Precast Association (APA)
1855 Lee Road, Suite 230
Winter Park, FL 32789
(407) 740-7201

National Precast Concrete Association (NPCA)
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Indianapolis, IN 46220
(317) 253-0460

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Post-Tensioning Institute (PTI)
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Phoenix, AZ 85021
(602) 870-7350

Tilt-Up Concrete Association (TCA)
2451 W Cummings Road
Hendersonville, NC 28739
(704) 891-9578

References
Tilt-Up Precast Concrete, SpecGUIDE G05410, CSI, 1990.

03500 - Comminuted Decks

References
Gypsum Concrete, SpecGUIDE G03510, CSI, 1986.
Lightweight Insulating Concrete Fill, SpecGUIDE G03521, CSI, 1989.
07100 - Waterproofing

References
Guide for Use of High Solids Content, Cold Applied Elastomeric Waterproof Membrane with Separate Sealing Course, C 889, ASTM.
Guide to the Use of Waterproofing, DampProofing, Protective, and Decorative Barrier Systems for Concrete, 513.3R, ACI (see 09000), 1995, 44 pp.

07100 - Water Repellent Coatings

References
Guidelines for Clear WaterprooFing Masonry Walls, MadA (see 04000), 24 pp.

07190/07195 - Vapor Retarders/Air Barriers

References

07200 - Insulation

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Chicago, IL 60605
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References

07400 - Roofing

References

07500 - Roofing Products Division/Rubber Manufacturers Association

References
Rubber Roofing Manufacturers Division, Rubber Manufacturers Association, 104 Wilmot Rd., Suite 201
Deerfield, IL 60015
(708) 944-8800

07600 - Skylights

References
Voluntary Specification for Skylights, 1600-00, AAA (see 08000).

07900 - Joint Sealers

Organizations
Adhesive and Sealant Council (ASC)
1627 K St. NW, Suite 1000
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Sealant, Waterproofing, and Restoration Institute (see 07000)

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National Fenestration Rating Council (NFRC)
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Silver Spring, MD 20910
(301) 589-NFRC

National Wood Window & Door Association (NWWD)
1155 Lexington Ave.
New York, NY 10017
(212) 351-5400

References
Voluntary Standard for Thermal Transmittance and Condensation Resistance of Windows, Doors, and Clad Wall Sections, 1565-1.88, AAMA.
WINDOW 4.0 (glazing properties analysis), MS DOS program, NFEC, 1991.
DIVISION 12 - FURNISHINGS

Organizations
- American Society of Furniture Designers (ASFD) 521 S. Hamilton St. Box 2608 High Point, NC 27261 (334) 385-4074
- Business and Institutional Furniture Manufacturers Association (BIFMA) 2355 Burton St. SE Grand Rapids, MI 49506 (616) 245-1681

Contract Furnishings Council (CFC) 1190 Merchandise Mart Chicago, IL 60654 (312) 321-5653

FORMA, Center for Italian Furniture, Lighting, and Decorative Accessories Box 56609 Atlanta, GA 30343 (404) 525-0660

12500 - Kitchens

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13010 - Air Supported Structures

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13130 - Pre-Engineered Structures

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- Industrial Fabrics Association International (IFAI) 545 Cedar St., Suite 890 St. Paul, MN 55101-1086 (612) 222-2508
- Metal Building Manufacturers Association (MBMA) 1220 Keith Building Cleveland, OH 44115 (216) 241-7833

13310 - Aquatic Facilities

Organizations
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14600 - Hoists and Cranes

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15300 - Fire Protection

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15400 - Plumbing

Organizations
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American Society of Sanitary Engineering Box 40362 Bay Village, OH 44140 (216) 836-3460

National Association of Plumbing, Heating, Cooling Contractors 180 S. Washington Falls Church, VA 22040 (703) 247-4100

References

15500 - Heating, Ventilating, and Air Conditioning

Organizations
- Air Distribution Council (ADC) 111 E. Wacker Dr., Suite 200 Chicago, IL 60601 (312) 616-7378
- Air Movement and Control Association (AMCA) 30 W. University Dr. Arlington Heights, IL 60004 (708) 594-0150
- American Gas Association (AGA) 1515 Wilson Blvd. Arlington, VA 22209 (703) 841-8400
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15600 - Fire Protection

References

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Organizations
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- Edison Electric Institute (EEI) 701 Pennsylvania Ave. NW Washington, DC 20004 (202) 438-8500

National Electrical Manufacturers Association (NEMA) 2101 L St. NW Washington, DC 20037 (202) 367-8800

References

16500 - General Lighting Information

References

Hydronics Institute (HI) 35 Russo Pl. Box 218 Berkeley Heights, NJ 07922 (908) 464-2600

Institute of Heating and Air Conditioning Industries (IHACI) 606 N. Larchmont Blvd., Suite 4A Los Angeles, CA 90004 (213) 667-1158

References
- Residential Heating and Cooling, 8th edition, ASHRAE.

16500 - Air Distribution

Organizations
- Sheet Metal and Air Conditioning Contractors' Association International (SMACNA) 4201 Lafayette Center Drive Chantilly, VA 22021-1209 (703) 893-2598

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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 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 D I S
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 Western Lumber Span Tables
Pages 44
Contents S T
Applications D S
The WWPA provides this book for use in estimating the dimension, type, and grade of joists and rafters to use under a variety of loading conditions.
WWPA 100

Category Construction Methods & Equipment
Title Exterior Wall Insulation Tools
Pages 48
Contents C D I
Applications D S
Wind-Lock manufactures over 400 items used for the application, attachment, and finishing of exterior building systems.
Wind-Lock 101

Category Reference Books & Publications
Title Catalog of Publications
Pages 12
Contents D I
Applications D I S
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 APA Publications Index
Pages 6
Contents I S
Applications D I S
The APA Index lists the available brochures, source lists, and training aids for architects, builders, and engineers.
American Plywood Association 109

Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results
Applications: D Design Ideas D S Detailing and Specifying GT Graphical Tool IS Source for further Information PM Project Management.
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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 DIS
Applications DI 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 DIS
Applications DI 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 Landscape Accessories
Title Cast Iron Tree Grates
Pages 40
Contents DS
Applications DI 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 Landscape Accessories
Title Estate Furniture
Pages 25
Contents DS
Applications DI
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 DS
Applications DI S
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 DS
Applications DI DS
Sitecraft's Idea Book is a color presentation of site furnishings. These include planters, planter benches, and custom furnishings.
Sitecraft 131

Category Earth Retainage
Title Retaining Wall Systems
Pages 8
Contents DIS
Applications DI DS
These Retaining Wall Systems are concrete modules interlocked with reinforced fiberglass pins. This brochure describes the mortarless system in detail.
Keystone 122

Category Pavers
Title Bomanite Paving
Pages 8
Contents DIS
Applications DI 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 DIS
Applications DI DS
This brochure describes Greenlee's corrosion-proof Composite Bullet fixture. This fixture provides optic control and versatility for landscape lighting.
Greenlee 127
## Division 03 - Concrete

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

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Contents Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results. Applications Codes: DI Design Ideas DS Detailing and Specifying GT Graphical Tool IS Source for further information PM Project Management.
# Division 04 - Masonry

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

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<td>These units are light-weight, concrete blocks with a permanently glazed facing. The brochure shows different types, colors, sizes, and includes specifications.</td>
<td>Burns &amp; Russell 143</td>
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<td>Discover new ways to design load bearing walls, shear walls, curtain walls, beams, and columns with Interstate Brick’s Reinforced Hollow Clay Brick.</td>
<td>Interstate Brick 144</td>
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<td>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.</td>
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<td>This granite quarrier and fabricator offers 28 granite colors and a variety of distinct finishes for design flexibility. Exterior and interior applications are discussed.</td>
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<td>Conproco offers a wide range of construction coating systems for the restoration and repair of above- and below-grade waterproofing.</td>
<td>Conproco 148</td>
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<td>This bulletin describes the risks created by lead in the environment and shows how to use Enviroklean to remove lead based paint.</td>
<td>ProSoCo 149</td>
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<td>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.</td>
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Other Relevant Products:

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

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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** 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
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Arcways - spiral & circular stairs 427
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So when you're designing a wood frame structure, specify Simpson Strong-Tie Connectors. They'll save time and money ... and you'll know the quality has no equal!

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Our 1992 catalog has 68 pages, with 14 new products, plus specification tables and full line applications.
SWEET'S 06060/SIM

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FiberBond
FiberBond is a fiber gypsum panel reinforced with recycled newspaper. Wallboard for interior walls and ceilings, new exterior sheathing designed for use on the outside of sidewall framing and new underlayment for flooring. Provides a solid, impact-resistant surface; excellent sound control; thermal insulation; and moisture resistance.

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Chadsworth Columns
Wooden Authentic Replication columns and pedestals are based on the classical Greek and Roman Orders (columns). Other column styles include contemporary, Art Deco and Architectural Stock in many wood species. Fiberglass columns and foam/stucco columns available in a variety of sizes and styles. Chadsworth...The Column Source. Free flyer. Catalog requests (800)394-5177. Sales (404)876-5410.

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NOT EVERYTHING CAN BE HIDDEN AS EASILY AS C/S SEISMIC JOINTS.

Concealing old fashioned seismic joints is sort of like trying to hide an elephant with a tablecloth. But now C/S offers a dramatic breakthrough which enables both exterior and interior seismic joints to be completely "undercover".

What's the catch? There's none! Both systems employ minimally visible gaskets for moderate movement along with recessed center plates to accept a variety of exterior and interior materials — from granite to linoleum. And should seismic accommodation be necessary, vast additional expansion capability pops into action. After cycling, patented systems allow center plates to easily return to flush position.

For information on the first, low visibility exterior and interior seismic system, call 1-800-233-8493.

THE C/S GROUP

Circle No. 867 on Reader Service Card
Division 06 - Wood and Plastics


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 Glued Laminated Timber
Title BoiseBEAM and BoiseDEK
Pages 40
Contents D S
Applications DS
BoiseBEAM 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 Prefabricated Wood Joists & Trusses
Title Wood I Beam
Pages 28
Contents C D IS
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 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.
Ralph Wilson Plastics 167

Category Prefinished Wood Paneling
Title Redwood Siding and Paneling
Pages 8
Contents D S
Applications DI DI
This brochure 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, moldings, and more.
Kentucky Millwork 170

Contents Codes
C Construction Details
D Dimensions
I Installation Instructions
S Specifications
T Test Results
Applications Codes
DI Design Ideas
DS Detailing and Specifying
GT Graphical Tool
IS Source for further Information
PM Project Management
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.

**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.

<table>
<thead>
<tr>
<th>Properties</th>
<th>Dens-Glass Gold® Gypsum Sheathing</th>
<th>Regular Gypsum Sheathing</th>
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<tbody>
<tr>
<td>Flexural Strength, parallel, lbs.</td>
<td></td>
<td></td>
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<tr>
<td>face up</td>
<td>189</td>
<td>89</td>
</tr>
<tr>
<td>face down</td>
<td>180</td>
<td>80</td>
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<tr>
<td>Flexural Strength, perpendicular lbs</td>
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<tr>
<td>face up</td>
<td>148</td>
<td>111</td>
</tr>
<tr>
<td>face down</td>
<td>131</td>
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<td>end</td>
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<td>Water Absorption, % by weight</td>
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<td>Surface Water Absorption</td>
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<td>Humidified Deflection, inches</td>
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<td>1/8°</td>
</tr>
<tr>
<td>Flamespread</td>
<td>0</td>
<td>15</td>
</tr>
</tbody>
</table>

**NOTE:** Tests conducted in accordance with ASTM guidelines.

* Minimum requirements for ASTM C-79 standards specification.
* 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.
Division 07 - Thermal & Moisture Protection

Waterproofing & Damproofing, 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: CADatalog of Exterior Insulation and Finish Systems
Pages: 10 plus 2 diskettes
Contents: D S T
Applications: DS GT
This CADatalog contains product information, specifications, and standard details. It interfaces with most CAD systems.
Simplex 174

Category: Insulation
Title: Exterior Insulation and Finish Systems
Pages: 10
Contents: D S T
Applications: DI S
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 AMQFOAM and AMOCOR fanfolded insulation products, which are available for residential and commercial uses. Installation guidelines are included.
Amoco 176

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
Isolatex has reformulated its spray-applied fireproofing to achieve a higher density, greater bond, greater compressive strength, and a more uniform mix.
Isolatex 179

Category: Shingles
Title: Copper Roofing
Pages: 4
Contents: D I
Applications: DI S
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

Category: Waterproofing & Damproofing
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 & Damproofing
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: 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: Copper Roofing
Pages: 4
Contents: D I
Applications: DI S
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
When 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® 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.
This catalog contains information and special features on four different types of roof tiles. Specifications and data on the tiles are included.

**Lifetime Roof Tile**

**Applications**

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

**Roofing Tiles**

**Title**

**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.

**Preformed Roof & Wall Panels**

**Title** Tuff Span

**Pages** 8

**Contents** C 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.

**Clear-Span Construction**

**Applications**

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

**Metal Wall and Roof Systems**

**Applications**

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

**Composite Building Panels**

**Applications**

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

**Building Enclosure Systems**

**Applications**

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

**R-Control Structural Panel**

**Applications**

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

**Membrane Roofing**

**Applications**

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

**Siding**

**Applications**

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

**Membrane Roofing**

**Applications**

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**Membrane Roofing**

**Applications**

This catalog contains information and special features on four different types of roof tiles. Specifications and data on the tiles are included.
GOODYEAR HAS TAKEN A GREAT ROOFING IDEA

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-consuming 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

Circle No. 852 on Reader Service Card
1992
SyMm.
Category Membrane Roofing
Title Roofing and Waterproofing
Pages 28
Contents DS
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 DS
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 DS
Applications DS
This brochure describes steel & aluminum roofing panels, copings, gravel stops, softflats, and fascia. Materials, finishes, and specifications are included.
Petersen 195

Category Metal Roofing
Title Building Components
Pages 28
Contents DS
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 DS
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 DS
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 DS
Applications DS
This CADalog provides product data, detail drawings, and CSI-formatted specifications. It contains 31 CAD-exportable, scaled, dimensioned drawings.
Manville 199

Category Unit Skylights
Title Skylights
Pages 20
Contents DS
Applications 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 DS
Applications 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 CIS
Applications 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 DS
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
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.

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Edgewood NY 11717
Tel: (516)243-1000
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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.

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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.

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Reader Service No. 893

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.
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
- Carisle 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
- Kenenergy - unit skylights 449
- Laticrete - waterproofing 450
- Louisiana Pacific - insulation 451
- Ludowici Celadon - roofing tiles 452
- Manville - built-up roofing 453
- MBCI - roof and wall panels 454
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- Norton - sealants 459
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- Parex - eifs 462
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- Skytech - skylight structures 470
- Skywall - skylight structures 471
- Sparfil - eifs 472
- Steeite - metal roofing 473
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- Thoro - waterproofing 475
- Trenco - 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 polyurethane 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

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2204 Ravine Road
Kalamazoo, MI 49004
Phone: 616 385-5942
Fax: 616 385-5937

Circle No. 889 on Reader Service Card

**Category**: Doors & Frames  
**Title**: Steel Doors, Frames, and Entrance Systems  
**Pages**: 22  
**Contents**: D S T  
**Applications**: 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**: 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.  
**Dynafair** 211

**Category**: Coiling Doors & Grilles  
**Title**: Security Grilles and Closures  
**Pages**: 114  
**Contents**: D S  
**Applications**: 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**: 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**: 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 Doors and Grilles  
**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 Traffic 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

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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
These brochure describes that interlocking extruded aluminum shapes can be configured to construct facades, en-tranceways, and store fronts.
Kil 219

Category Entrance & 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 Entrance & 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 Entrance & Storefronts
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 Entrance & Storefronts
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 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 223

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

Contents Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results. Applications Codes: DI Design Ideas DS Detailing and Specifying GT Graphical Tool IS Source for further Information PM Project Management.
Judging from the sitelines, are these fixed or operable windows?
Category: Wood Windows & Doors
Title: Clad Wood Windows and Doors
Pages: 16
Contents: Application DS
Applications: 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: Wood Veneered Products
Pages: 64
Contents: Application DS
Applications: These clad-wood windows and patio doors are clad in factory-finished aluminum with choices of three baked-on colors: white, beige, and bronze.
Wenko 228

Category: Clad Wood Windows and Doors
Title: Clad and Wood Windows and Patio Doors
Pages: 40
Contents: Application DS
Applications: 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: Application DS
Applications: 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: Application DS
Applications: 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: Application DS
Applications: 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: Application DS
Applications: This catalog of locks and security products features products for commercial, residential, and retail uses.
Schlage 233

Category: Finish Hardware
Title: Touchbar Exit Devises
Pages: 32
Contents: Application DS
Applications: These exit devises 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: Operators
Title: Magic Door
Pages: 10
Contents: Application DS
Applications: 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: Application DS
Applications: 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: Application DS
Applications: 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.

Equiline™ 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.

Equiline. The obvious choice.

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

Kawneer

The Mark of Responsibility
Accuride slides are perfect for either office or residential drawer applications. The slides allow drawers to glide smoothly.

Accuride 239

Applications

This catalog features brass cabinet hardware. You can customize your project hardware by selecting from hundreds of styles and finishes.

Colonial Bronze 240

Applications

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

Applications

This structurally engineered preglazed waterproof glass block can be used in such applications as skylights, sidewalks, skybridges, stair treads, walls, and much more.

Circle Redmont 242

Applications

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

Applications

This literature contains information on Stik II window glazing tapes and pressure-sensitive foam tapes. These tapes have exterior and interior applications.

October 244

Applications

Containing information on the differences between roof windows and skylights, this brochure describes glazing and flashing options, as well as specifications.

Velux 247

Applications

This catalog describes Chase-Durus traffic doors for industrial, commercial, and institutional applications. Included are motorized traffic doors and gravity-operated impact doors.

Chase-Durus 249

Applications

This slim brochure provides color samples for EFCC’s commercial windows, storefronts, and curtain wall systems. Various silicon-polyester and fluoropolymer coatings are shown.

EFCC 250

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

Chicago's famed Merchandise Mart was in need of new windows. Over 2,000 in all. But we were faced with a logistics problem. We had to complete the project without interfering with the thousands of people who conduct business at the Mart every day. We needed a company that was willing and able to perform the installation at night.

We awarded the job to EFCO.

"To honor the past, we used a gable-ended pitched roof design for this city hall," said architect John Weidt. "For the days ahead, a contemporary entry/wing was defined using a crisp, clean curtain wall design."

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For the name of your Andersen representative, call 1-800-426-7691. Or write Andersen Commercial Group, Box 12, Bayport, MN 55003.

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CITY HALL.  ARCHITECT:
CHASKA,  JOHN WEIDT.
MINNESOTA.  GROVER, LTD.
DESIGN  THE WEIDT
ARCHITECT:  EDINA, MN.
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6. Andersen® Extension Jamb
7. Sealant/Joint Backing
8. Sheathing
9. 5' Pntd Steel Column
10. Steel Plate Welded to Metal Studs
11. Metal Panel
12. Insulation Typical
13. Steel Plate W/7" Welded to Column
14. Steel Plate W/Plotted Holes Welded to T
15. Through Bolt
16. Metal Panel/Metal Stud Wall
Free X-Ray Room Planning Guide

New guide illustrates user-designed installations of CLEAR-Pb® Lead-Plastic Modular Barriers and Windows in hospitals, radiation therapy centers. CLEAR-Pb is a transparent lead-impregnated plastic sheet in lead equivalencies from 0.3 to 2.0 mm; over 200 stock sizes up to 6x8 ft. (larger on special order).

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Karona has combined the finest natural woods with the latest technology, to produce doors of uncompromising quality.

For more information on our interior and exterior door collections, write Karona, P.O. Box 128, Grandville, MI 49468

Karona

Other Relevant Products:

Air Louvers - doors & frames 482
Alcoa - vinyl windows 483
Architectural Components - doors 494
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Dorma - door hardware 488
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Hiawatha - door hardware 494
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Telkee - door hardware 516
Tubelite - entrances & storefronts 517
Von Duprin - locks 518
Vistawall - glazed curtain walls 519
The verdict is in. The complete line of Chase-Durus traffic doors is judged to be of the very highest quality, reliability and aesthetic appeal. In reality, there is no "or equal" for this wide range of doors:

- **Speedor** automated high-speed roll-up doors
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- **Durulite** insulated impact traffic doors in various configurations and full range of colors
- **Durulite** corrosion-resistant personnel doors
- **Chase-Durus** solid core doors, service doors, flexible doors — and a whole lot more

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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, Keram-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.

At Buchtal Ceramics, we choose our words carefully. Much like an architect chooses a building material. That's why when we say Chroma® 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 2x10 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.

7th Street North Parking Garage Minneapolis, MN
Architect: The Stageberg Partners, Minneapolis, MN
Product: 6x6 in 140 Intense Yellow, 141 Intense Orange, 142 Intense Red, 794 Purple, 761 Creme, 146 Intense Blue Green, 726 Cobalt Blue

Circle No. 850 on Reader Service Card
This catalog is a reference guide for the selection of ceramic tile. The information includes colors, sizes, trims, specifications, and installation photos.

Ro-Tile 262

Ro-Tile, which has a semi-gloss finish, Ro-Stone, which looks like unpolished natural stone, and Ro-Brick, which is a veneer brick.

Lacticrete 263

Containing information on installation materials and systems for ceramic tile, stone, and marble, this catalog includes products such as grout, adhesives, and sealants.

Decoustics 264

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.

Almute 265

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 266

This catalog describes different commercial ceilings, including ceiling panels and suspended systems. It offers design ideas, as well as specifications.

USG 267

This is a computer-assisted product selection and specification program for acoustical ceilings. It requires DOS version 3.3 or higher.

Armstrong 268

This catalog describes Armstrong’s full line of commercial floors, including vinyl tile, static dissipative tile, rubber tile, and slip-resistant flooring.

Flexco 269

This catalog offers Flexco’s complete line of rubber and vinyl flooring products. Detailed specifications are included.

Colorlight 270

This is a single source catalog for color-matched vinyl, rubber flooring, and accessories. The 18 flooring colors match all wall bases, moldings, and adhesives.

Johnsonite 271

These vinyl floor tiles come in a variety of compositions. This brochure offers information on accessories along with technical information and specifications.
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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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<td></td>
<td>This nylon carpet fiber is intended for any commercial applications. These carpets are resistant to soiling and easy to clean.</td>
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<td>Du Pont 273</td>
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<td>Coatings</td>
<td>Guide to Specifying Commercial Carpet</td>
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<td>IS</td>
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<td></td>
<td>This brochure offers attractive carpets for high traffic applications. It also contains a step-by-step specification guide.</td>
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<td>Allied-Signal 274</td>
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<td>Artist Colors</td>
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<td>This information kit describes the many uses of acrylic paint products. The kit includes actual hand-painted charts showing the available colors.</td>
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<td>Golden Artist 275</td>
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<tr>
<td>Coatings</td>
<td>Multicolor System</td>
<td>30</td>
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<td>These multicolor coatings include Plextone, which is a waterbase interior coating, and Omniplex, which is for counter tops, cabinets, and architectural woodwork.</td>
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<td>These low-biocide no-fungicide paint products have a high opacity, colorfastness, levelability, and washability. This brochure contains color samples.</td>
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<td>Xorel is a wallcovering, panel, and upholstery fabric. This brochure contains fabric performance data and applications.</td>
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<td>Carnegie 279</td>
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<td>Coatings</td>
<td>Acrovyn Interiors</td>
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<td>These high-impact wall coverings and prelaminated panels are offered in 11 stonede patterns, 72 solid colors, and 16 textures. Included are column covers and moldings.</td>
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<td>C/S Group 280</td>
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<td>Coatings</td>
<td>Environmental Wallcoverings</td>
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<td>This brochure shows how wall coverings can be used to create interior rooms that have an outdoor ambiance. Specifications are included.</td>
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<td></td>
<td>Korseal 281</td>
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<td>Sanitary Wall &amp; Ceiling Panels</td>
<td>Hang Your Reputation on the Strength of Ours</td>
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<td>This fiberglas-reinforced plastic panel meets the needs of buildings requiring minimal maintenance and sanitation control. Specifications are included.</td>
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<td>Kemlite 282</td>
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<td>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.</td>
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<td>Mountain Lumber 284</td>
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<td>This fold-out brochure discusses the hanging strength of these display panels and gives guidelines for specifying various panel styles.</td>
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<td>Kemlite 282</td>
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<td>Mountain Lumber 284</td>
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</table>
New Adjusta-Nose Treads

New Design Nose will easily adjust and adhere to steps with return angle nosings between 90° and 60°; allows good fit on stairways designed for safety (especially visually impaired and handicapped).

Shown is our medium gauge Diamond Design Tread in 11 marbleized 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 Gni-Strip and Smooth Surface treads.

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Progressive Architecture

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<tr>
<th>Year Range</th>
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<tr>
<td>1960-1969</td>
<td>$25</td>
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<td>1970-1979</td>
<td>$17.50</td>
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<td>1980-1989</td>
<td>$10</td>
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<td>1990-present</td>
<td>$7.50</td>
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Louisiana-Pacific
Reader Service No. 890

Other Relevant Products:
Action Floor Systems - wood flooring 520
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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: DS
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: DS
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: DS
Applications: 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: DS
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: DS
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: Grilles & Screens
Title: VINYLattice
Pages: 8
Contents: DS
Applications: 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: DS
Applications: 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: DS
Applications: 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: DS
Applications: DS
This brochure covers interior and exterior signage types. The information includes photos, ADA signage, materials, finishes, design information, and specifications.
Charleston 294

Contents Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results
Applications Codes: DI Design Ideas DS Detailing and Specifying GT Graphical Tool IS Source for further information PM Project Management.
Category: Signage & Graphics  
Title: Sign Systems  
Pages: 12  
Contents: D S  
Applications: D I  
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: D S  
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: D S  
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: D S  
Commercial fire safety 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: D I  
This brochure contains fire and safety glazing products with 20 to 120 minute ratings. It contains product applications, performance data, and specifying details.  
O’Keefe 299

Category: Fire Protection Specialties  
Title: Fire Extinguisher and Hose Cabinets  
Pages: 16  
Contents: D S  
Applications: D S  
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: D S  
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 S  
Applications: D I  
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: D I  
This operable wall system is acoustically absorbent 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: D I  
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: D I  
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: D I  
TAB’s high-density mobile storage system is available in a standard metal frame or with self-edged and radius 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 important 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 participation 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.
Have You Hugged a Truck Today?

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

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
Lindco - 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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Phone: 800 521-9878 Fax: 404 457-5125

CIRCLE NO. 897 ON READER SERVICE CARD
Division 11 - Equipment


Category: Library Equipment
Title: High Density Storage System
Pages: 20
Contents: D S
Applications: 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 300

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: Oce 7000 Copier
Pages: 2
Contents: D
Applications: GT
The Oce 7000 is one of the smallest plain-paper copiers for large-size documents. It copies technical and architectural drawings and much more.
Oce-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-guage fire extinguisher, fire hose, and valve cabinets. They are available with different security locks and opening assemblies.
J.L. Industries 312

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: D
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

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: Stop Airlocke Soft Pressure Dock Seals
Pages: 4
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
Division 12 - 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: 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: 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 arms. They are intended for lobbies and office settings.
Condi 322

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: Blinds & Shutters
Title: Custom Shutters
Pages: 34
Contents: D I S
Applications: DI DS
Pinecrest shutters are available in many shapes and sizes. The louver shapes come in flat, curved, narrow, wide, fixed, fan top, rake, and arch.
Pinecrest 318

Category: Office Furniture
Title: Nova Solutions
Pages: 22
Contents: D T
Applications: DS
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

Contents Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results
Applications Codes: DI Design Ideas DS Detailing and Specifying GT Graphical Tool IS Source for further Information PM Project Management.
Imagine a time long ago and a place not so far away an estate in Maine called Weatherend. This place had 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
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We've told our story now you tell yours and tell it with Weatherend furniture to create an interior or landscape destined to become a legend in its own time.

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Category: Office Furniture
Title: Office Systems
Pages: 36
Contents: D S
Applications: DS
Executive, Managerial, Staff, and Support Systems are available in wood or metal components. 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
Title: Table Sourcebook
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: 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: 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

Contents Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results
Applications Codes: DI Design Ideas DS Detailing and Specifying GT Graphical Tool IS Source for further Information PM Project Management
Other Relevant Products:

- American Seating - Lab. seating 584
- Cano - office systems 585
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- Geiger Internat. - office furnit. 587
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- Gunlocke - desks 589
- Halcon - furniture systems 590
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- 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

Sometimes, a simple lab can be just as intimidating as something a bit larger.

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To find out more about our laboratory planning and CAD capabilities, call us at 1-704-873-7202 or fax 1-800-932-3296. And see your next lab from a little different angle.
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**: Pre-engineered Structures  
**Title**: Building Systems Planning Guide  
**Pages**: 14  
**Contents**: D S  
**Applications**: DS  
This brochure contains structural framing systems, walls, roofs, and accessories. The pre-engineered products are factory assured.  
**Star** 343

**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**: 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

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Contents Codes: C Construction Details D Dimensions I Installation Instructions S Specifications T Test Results  
Applications Codes: DI Design Ideas DS Detailing and Specifying GT Graphical Tool IS Source for further Information PM Project Management.
Division 14 - Conveying Systems

Elevators, Material Lifts, Wheelchair Lifts, People Mover Systems

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: 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 lightweight aluminum frame and is moderately priced.
Inclinator 643

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: 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: 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

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
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.

For a free brochure about the LIFT-ette write to:

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P.O. Box 1557
Harrisburg, PA 17105-1557

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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
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 Therma-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


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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 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 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/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 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 Light Strips
Pages 25
Contents DI 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
Location: Wellesley, Massachusetts
Engineer: Lottero & Mason
Fixture: MOD-66, Wall Indirect/Direct
MOD-66, Pendant Indirect
Photo: Charles Mayer, Hansen/Mayer

Litecontrol Corporation
100 Hawks Avenue
Hanson, MA 02341
(800) 852-3455
(617) 294-0100
This brochure describes Richard Meier's first lighting collection. This lighting combines a sculptural coupling of form and function.

Baldinger 376

This catalog features recessed wall luminares for steps and walkways. The aluminum die cast luminares use low voltages and are very versatile.

Hanover 380

Parabolic lighting louvers which eliminate glare in offices and other interior applications are described. This brochure includes installation and specification instructions.

American Louver 382

MicroDim provides precise lighting control while offering a stylish appearance. This brochure displays the various styles and describes the technical features.

Leviton 385

This control system allows the conservation of energy by operating some or all of an HID lighting system at reduced rates of energy consumption.

Holophane 387
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