

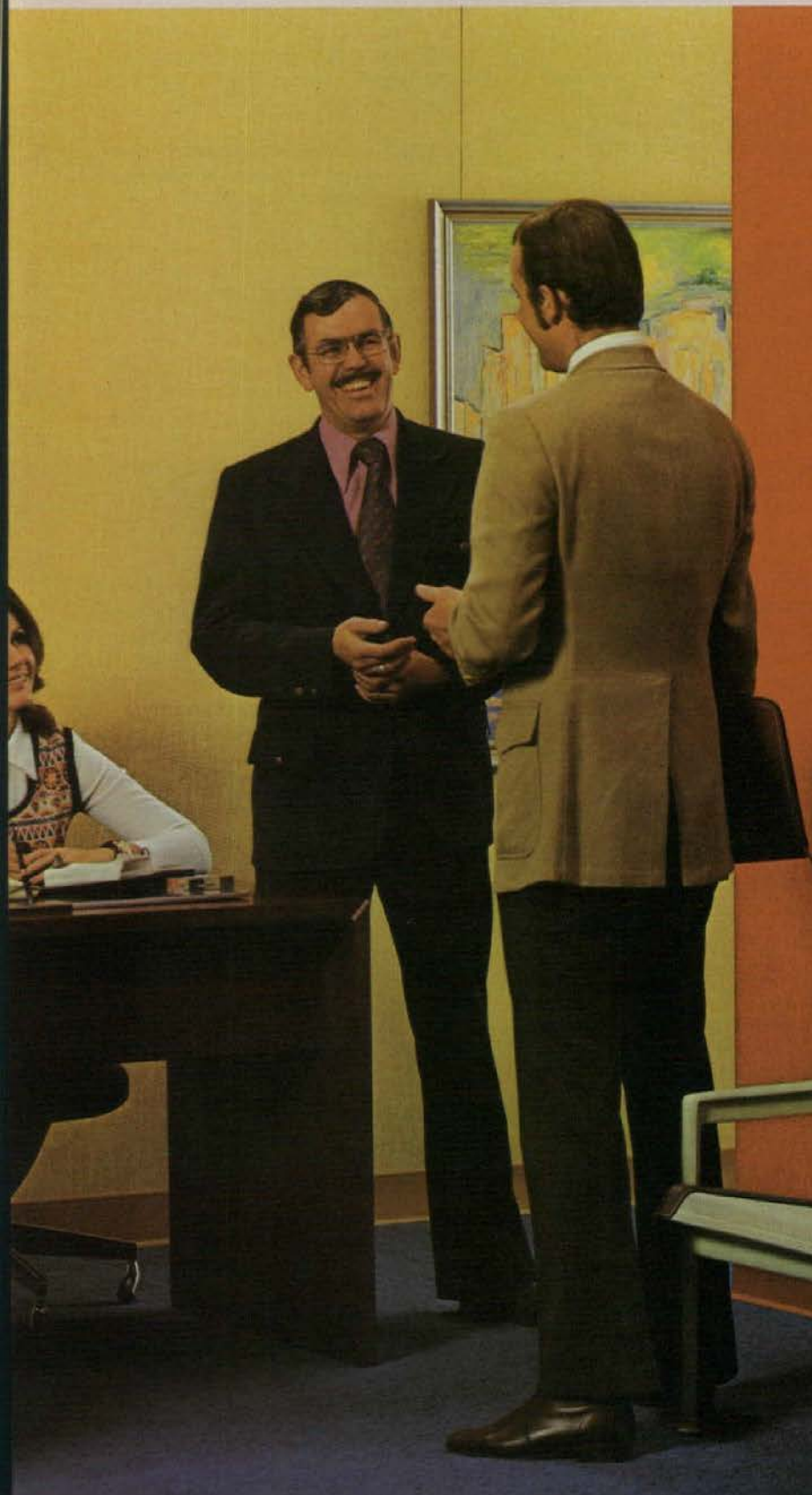
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Architect: Architectural-engineering-construction firm located in central Maine seeks design oriented architect registered in state of Maine to participate in all phases of design and construction. Scope of work involves residential, commercial and industrial buildings. Send complete resume, references and salary requirements to: P. O. Box 1126, Bangor, Maine.

Architect: Established east coast architectural-engineering firm with annual volume of \$60 million in quality commercial/industrial practice seeks design partner. Unusual opportunity. Reply to Box #1361-695, *Progressive Architecture*.

Architect: International E/A firm with New York headquarters has need for registered architect with 12 to 16 years experience, strong background in design and basic talents and interest in project development to lead industrial/governmental building design division. Reply to Box #1361-696, *Progressive Architecture*.

Architect: Job captain required with production high-rise experience to assume number one position in new, aggressive architectural division of large, established A & E firm in north/central California. Salary range liberal, with full benefits. Respond in confidence. Reply to Box #1361-697, *Progressive Architecture*.

Architects: For positions in working drawings, project management and design. Many challenging projects in an office with highly qualified personnel in architecture and engineering. Location excellent in community of 300,000. Send resume or call Greg Slaybaugh, Daverman Associates, Architects and Engineers, 200 Monroe NW, Grand Rapids, Michigan 49502, (616) 451-3525.

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Architecture Librarian: For departmental library. Responsible for the acquisition, organization, and management of resource materials. Supervision of secretary/clerk and student assistants. Qualifications: M.L.S. degree and two years experience. Salary negotiable. An equal opportunity employer. Send resume, three letters of reference, and supporting documents to: John H. Spencer, Chairman, Department of Architecture, Hampton Institute, Hampton, Virginia 23668.

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District Architect: Our client is a long-established international design, engineering, and construction firm involved in large industrial, commercial, medical, and civic projects. This position would include those responsibilities of Manager of Architecture and Master Planner. Reporting to the District Vice President, he conceptualizes, develops, and designs exterior and interior plans and selects architectural materials. He is instrumental in developing national architectural recognition for the firm. Qualified architects will have eight to ten years' applicable experience in one or more project areas. Attractive compensation package with an outstanding firm. Respond in confidence by telephone or resume. Mr. John H. Johnson, Jr., Billington, Fox & Ellis, Inc., Executive Recruitment Consultants, 20 North Wacker Drive, Chicago, Illinois 60606, Telephone: (312) 236-5000.

Project Architect: An architect with at least 5 years experience, some of which should be in medical facilities planning and design. This position requires the capability to demonstrate positive management responsibilities for a variety of projects. Excellent career potential and benefits. Send replies to Perkins & Will, 1828 L Street, N.W., Washington, D.C. 20036. EOE/MF.

Project Architect: Outstanding opportunity for right individual. Key position. Young, multidisciplinary, growing, St. Louis firm. Exciting, diverse, architectural practice. Must excel in design and working drawings. Commitment to better environment and modern design essential. Individual with initiative and capability to assume substantial responsibility. Reply to Box #1361-698, *Progressive Architecture*.

Projects Managers/Architectural: Large, progressive total service-oriented architectural/engineering firm, Northeastern United States, seeking qualified projects managers—architectural, proven ability, leadership, management; thorough knowledge of design,

construction processes. Educational requirements include architectural registration. Salary range upon request; benefits competitive. An equal opportunity employer. Send confidential resume. Reply to Box #1361-699, *Progressive Architecture*.

Projects Manager/Toronto: A design oriented, progressive firm engaged in architecture and planning, has an opening for a projects manager with proven operational and managerial experiences in North America to control and schedule all firm's projects through production phases. The position also involves supervision of project teams, coordination of engineering and other disciplines through to completion. Diversified practice involves highest quality cultural, institutional, educational and commercial projects. Please send confidential resume, references, including anticipated salary to: Moffat Moffat & Kinoshita, 55 Eglinton Avenue East, Toronto, Ontario, M4P 1G8, Canada.

Responsible Project Architect: With design background and 5 years experience needed by small diversified firm with design and production orientation in small western city. Salary beginning at \$15,000. Send resume, references and work examples with application. Reply to Box #1361-700, *Progressive Architecture*.

Site Planner/Landscape Architect: A design oriented site planner/landscape architect to be a part of the A/E project development team. A degree and 3-5 years experience desired. Excellent career potential and benefits. Send replies to Perkins & Will, 1828 L Street, N.W., Washington, D.C. 20036. EOE/MF.

Specification Writer: This position involves preparing architectural specifications using CSI and government formats and working with a computer master spec. An architectural degree and a minimum of 5 years experience is required, including some in hospitals and educational facilities. Excellent career potential and benefits. Send replies to Perkins & Will, 1828 L Street, N.W., Washington, D.C. 20036. EOE/MF.

Situations wanted

Architect: A.I.A., NCARB, registered in several states, seventeen years experience including five years in Europe. Strong architectural/engineering/construction/financial management background; interested in organization, client relations, consulting, coordination and of complex projects. Seeks affiliation or position with architect/engineer/developer. Prefer New York, New Jersey or Pennsylvania area but will also relocate for the right opportunity. Reply to Box #1361-682, *Progressive Architecture*.

Architect: A.I.A., NCARB certificate, multiple state registration, desires position in Palm Beach, Ft. Lauderdale, Fla. area with architect, engineer or developer. Over 25 years experience of diversified work including private practice. Design, office and project management, field supervision, meeting with [continued on page 150]

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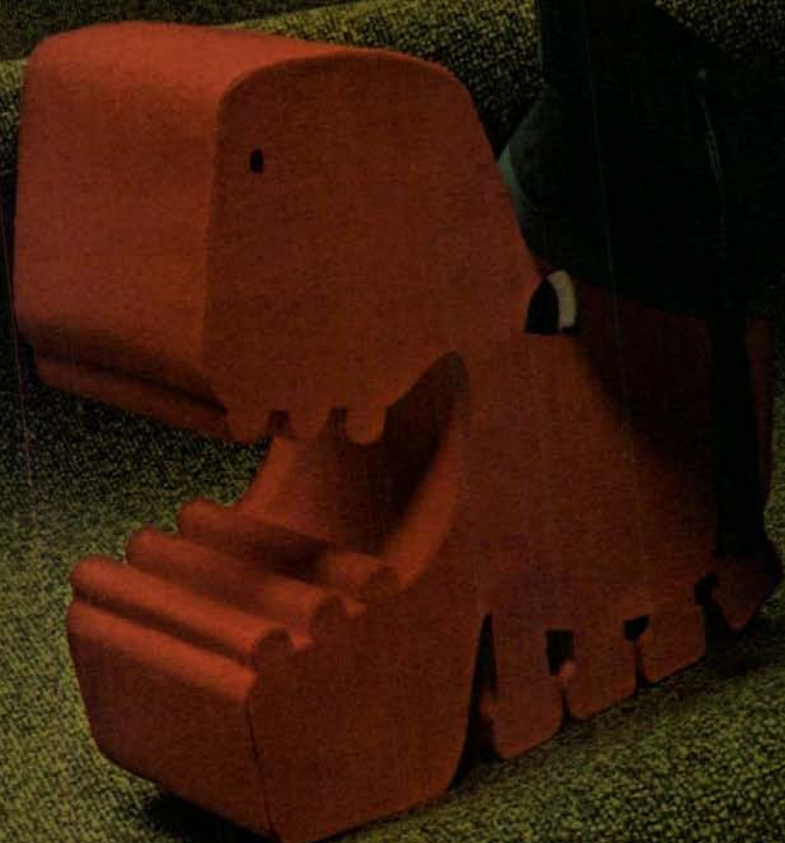


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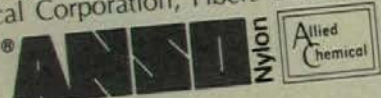
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Richard C. Slingerland, RA, ARA and David L. Slingerland, RA, AIA have formed **Slingerland Architects**, 342 Madison Ave., New York City 10017.

Warren W. Calwil, AIA, 14 E. 38 St., New York City 10016.

Christopher Jaffe, Inc. and Hall-Thermotank, Ltd. have formed **Jaffe Acoustics, Inc.**, 83 East Ave., Norwalk, Conn. 06851.

Martin Santini, AIA and Ami Tanel, PEPP have formed **ECOPLAN, Inc.**, Hackensack, N.J.

Richard R. Gromm & Associates and Charles B. Hook have formed **Gromm & Hook Architects, Inc.**, 514 Earth City Plaza, Earth City, Mo. 63045.

Thomas E. Lewis, Jr., AIA has formed **Lewis Associates, Inc.**, 5750 Major Blvd., Orlando, Fla. 32805.

Victor D. Lewis, Jr. and Frank J. Clark have formed **Lewis & Clark Architects**, 114 State St., Bridgeport, Conn. 06604.

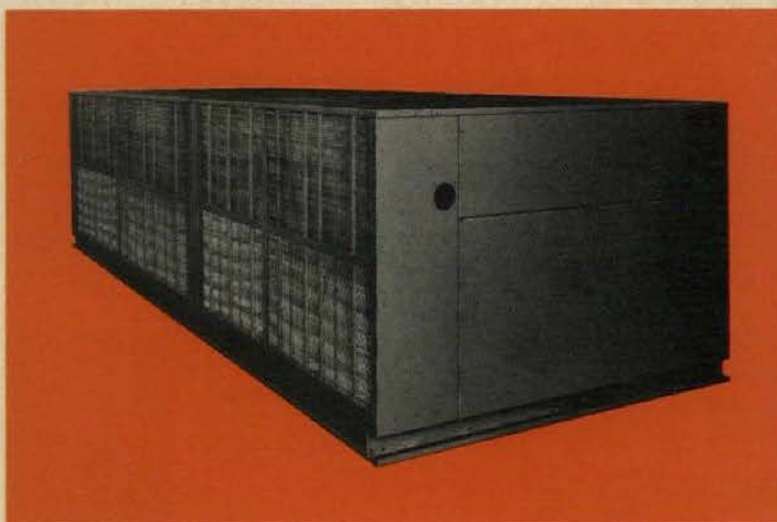
M. Richard Meyers, AIA, P.O. Box 1487, Aspen, Colo. 81611.

Myrus Associates, 111 Brampton Rd., Syracuse, N.Y. 13205.

Keith Parker, AIA and Jeff Krehbiel, AIA have formed **Parker Krehbiel Associates**, 1021-1 E. Waterman, Wichita, Kan.

Mayer, Garfield, Gawron & Associates has been formed at 1740 Westwood Blvd., Los Angeles with principals Robert J. Mayer, AIA, Arne Ward Garfield, AIA and Thomas E. Gawron, ISP.

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The new Fedders Air Cooled Chillers are only 54½ inches high and have reduced lengths of only 7' 10" for the 25 to 55 ton units and 15' 8" for the 60 to 110 ton units. Because of this compact design, weights have been reduced as much as 41%. This unique engineering achievement means significant savings in cost of materials and labor for roof supports, parapets and rigging.

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unloaded in direct response to changing load conditions to provide lower operating costs. In addition these V-line compressors have hermetic motors designed for wide voltage range tolerances to avoid voltage fluctuation problems becoming ever more prevalent today, ie: 208/240 volt models range from 187V to 264V and 440/480 volt models range from 396V to 528V.

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clients. Consultant liaison between architects and builders. Reply to Box #1361-701, *Progressive Architecture*.

Architect: Design oriented, NCARB, presently principle in firm, 16 years diversified experience including large scale university, health, municipal and urban renewal work. Accomplished in client relationship, programming, design, multiproject management and team coordination. Seeks responsible design-coordinator position with progressive firm. Will relocate for right opportunity. Reply to Box #1361-702, *Progressive Architecture*.

Architect: Executive V.P. manager of overseas and U.S. based offices of a large architectural and engineering firm desires a change and new challenge after 16 years of faithful service. Age 46, happily married, resume and excellent references upon request. All replies will be answered. Reply to Box #1361-703, *Progressive Architecture*.

Architect: Currently partner in medium size AE firm; over twenty years varied experience; present emphasis on client relations, project management, programming; NCARB; wish to relocate with business oriented firm producing high quality people and environmentally oriented architecture; prefer Northern West Coast or Southern Piedmont area; Reply to Box #1361-704, *Progressive Architecture*

Architect: NCARB, M. Arch. (M.I.T.), 36, family. 12 years experience all phases of practice and most building types. Strong in design, client contact and production. Interested in doing significant design in medium size office or design-build firm. Prefer Midwest. Must have partnership potential. Reply to Box #1361-705, *Progressive Architecture*.

Architect: NCARB, Illinois registration, M. Arch., 16 years experience with leading design firms. Presently in charge of design and production in small office. Would like to relocate in S.E. or N.E. and assume design responsibility with progressive team. Resume on request. Reply to Box #1361-706, *Progressive Architecture*.

Architect: Registered, 31, family, two years diversified office experience, three years comprehensive experience in design-build concept as manager of a western development firm. Desires responsible position with a development company or architectural office involved in the design-build concept. Presently employed, seeking change. Reply to Box #1361-707, *Progressive Architecture*.

Architect/Designer: Registered in Maryland and D.C., AIA and NCARB, 10 years diversified experience in all phases of architecture w/Eastern firms as designer and project architect. Seeking challenging, responsible position with architectural firm, corporation or company in Denver, Boulder Colorado

area. Resume available. Reply to Box #1361-672, *Progressive Architecture*.

Architect/Facilities Planner: With heavy experience in programming judicial, academic and municipal facilities. Some corporate and office building planning as well. Available on long or short term project basis. Free to travel. Resume and references on request. Reply to Box #1361-708, *Progressive Architecture*.

Director of Technical Services: Architect, AIA, NCARB. 14 years experience in all phases of contemporary practice including principal in own firm, and in senior corporate administrative and management positions. Desire responsible position with progressive, growth oriented real estate developer/builder. Reply to Box #1361-709, *Progressive Architecture*.

Graduate Architect: B. Arch. completing military duty June 28, 1974. Four years U.S. Air Force experience in civil engineering/heavy repair (Red Horse), rank Captain. Seeking challenging design position. Hard working individual capable of client association and assuming responsibility. Age 27, married, one child. Prefer Northwest coast region. Reply to Box #1361-710, *Progressive Architecture*.

Interior Designer: Draftsman, 34, married, 2 children. 8 years experience with large architectural and interior firms. Specializing

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The 22nd P/A awards competition will be open, as before, to all U.S. and Canadian architects and related professionals engaged by actual clients for the design of built environments. **Submissions** will be accepted in **three major categories:** architecture, urban design, and applied research. **Jurors** for this year's program and detailed **entry requirements** will be published in the **July P/A**.

Deadline for submissions will be August 31, 1974

Progressive Architecture

600 Summer Street, Stamford, Connecticut 06904

in commercial interiors, hotels and restaurants. Experience in client contacts, job supervision, interior layouts, detailed working drawings, graphics. Seeking responsible position abroad or west coast. Fluent in 2 foreign languages. Reply to Box #1361-711, *Progressive Architecture*.

Teaching Position Desired: Architect, 37, individual practice since 1971 desires teaching position design-graphics, related technical subjects in architectural school at university level. Registered Washington state, NCARB, Bachelor Architecture, Bachelor secondary education. Teaching experience community college level, architectural design-graphics, statics, estimating, specifications. Please contact Charles D. Coffinger, 10701 Hill-terrace Dr. S.W., Tacoma, Washington 98498.

Vice-President/Director of Architecture: For architectural, engineering and development firm. Wisconsin, Minnesota, Michigan, registrations, NCARB pending, AIA, Bachelor Architecture, married, 6 plus years experience residential, institutional and commercial projects. Design oriented. Seeking similar position with West Coast or Florida firm. Resume and portfolio available. Reply to Box #1361-712, *Progressive Architecture*.

Architectural services

Affiliation: Progressive midwest architectural, planning, engineering, construction management firm specializing in Voc-Tech facilities,

government facilities, government centers, and police facilities wishes to joint venture with local architectural firms to pursue and carry out projects. Excellent credentials, awards, experience. Reply to Box #1361-713, *Progressive Architecture*.

Career Builders, Inc., Agency: Ruth Hirsch has specialized in Architectural placement for fifteen years, serving architects, corporations, planners, developers and interior firms. She reviews portfolios, professionally interviews designers, project architects, managers and juniors for available openings. Executive searches and personnel consultations are available to employers. Career Builders, Inc. (Agency), 501 Madison Ave., N.Y., N.Y. 10022. (212) 752-7640.

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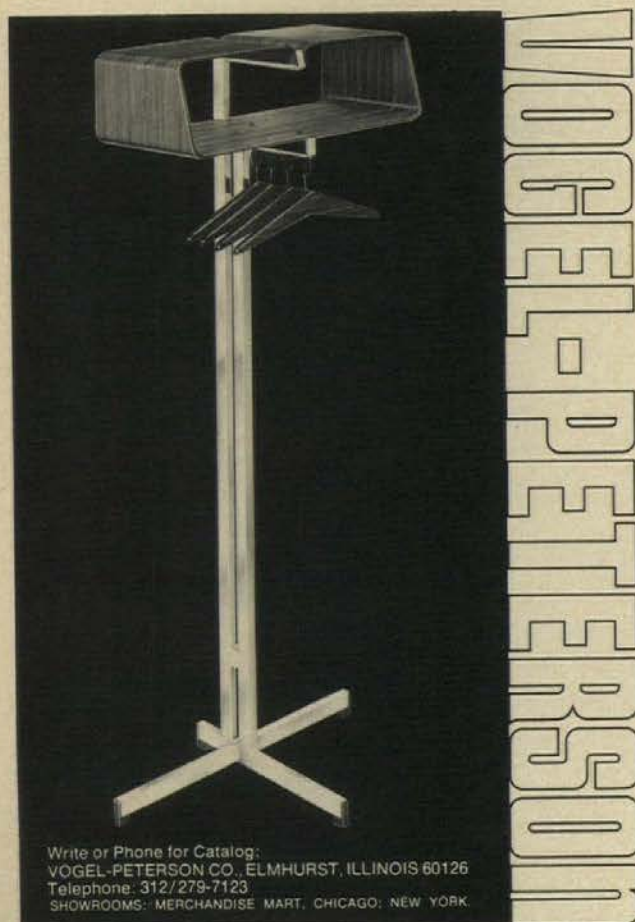
Edwards & Shepard Agency: We are a national design and architectural placement service in business to serve these professions. Bill Shepard, a Pratt graduate, is equipped to effectively evaluate the experience and qualifications of Architectural and Interior Designers, Urban Planners, Systems and

Space Planners, Construction Specialists, Exhibit, Lighting and Environmental Designers. M. Shepard conducts confidential interviews, by appointment, for recent graduates to administrators. He has access to the best prospects and can be invaluable timewise in a job search. Phone (212) 725-1280 or write: 1170 Broadway, New York, N.Y. 10001.

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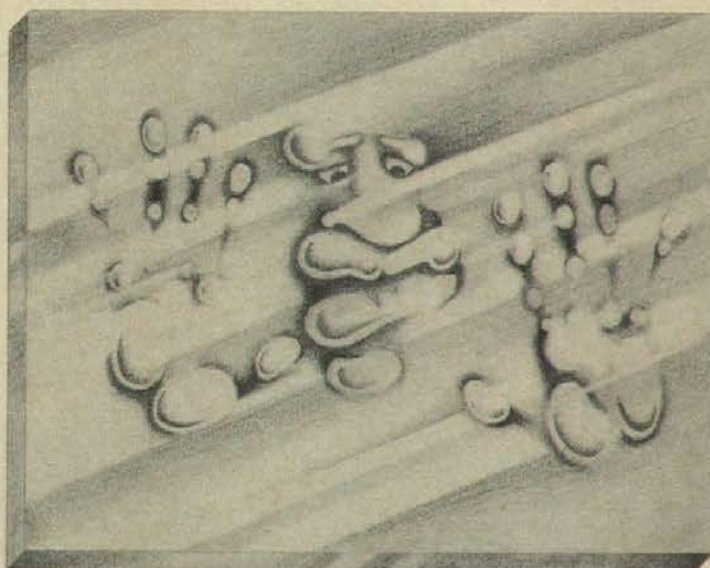
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If you're looking into the use of plastic glazing, here are some things to think about.



The use of plastics in construction is growing every day, particularly in windows and walls. Plastics are also being used to protect or fabricate frames and exterior wall components. Acrylic and polycarbonate sheet now qualify for use for safety glazing.

Plastics offer many advantages, such as light weight, durability, reasonable cost and handsome appearance. But they also offer special glazing problems that we — Tremco — can help you solve.

Pre-specification checkpoints.

Before you specify plastic glazing and frame components, you need to know the physical properties and performance characteristics of the plastic.

Many sealants that you can use with glass can't be used with plastic. Sealants must be compatible with each other and the plastic.

Plastic has much greater thermal expansion than glass, wood or metal. So you have to allow for greater movement, especially when you consider that building exteriors are subject to temperature changes ranging over 100°F. in minutes.

Plastics create new tolerance demands

because of their movement factors. A glazing system for plastic must allow for additional movement, and also be highly adhesive, unaffected by ultraviolet and permanently elastic even at low temperatures.

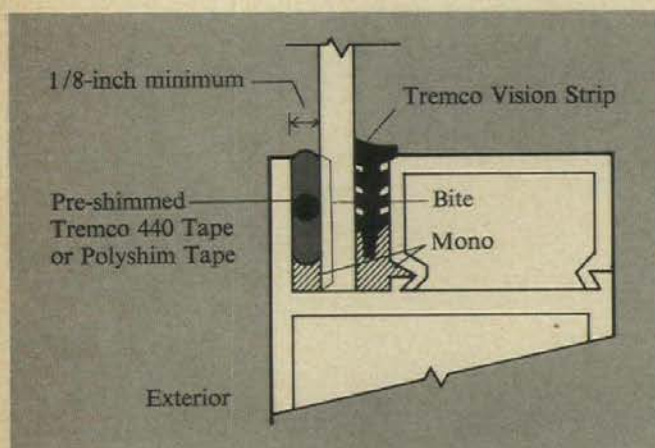
Designing the sash.

In general, plastic sheets need more "bite" than glass so the sash rabbet must be deeper. The depth and width requirements of the rabbet are determined by the type, thickness and windload requirement of the plastic sheet. Check the manufacturer's recommendation for maximum size limitations.

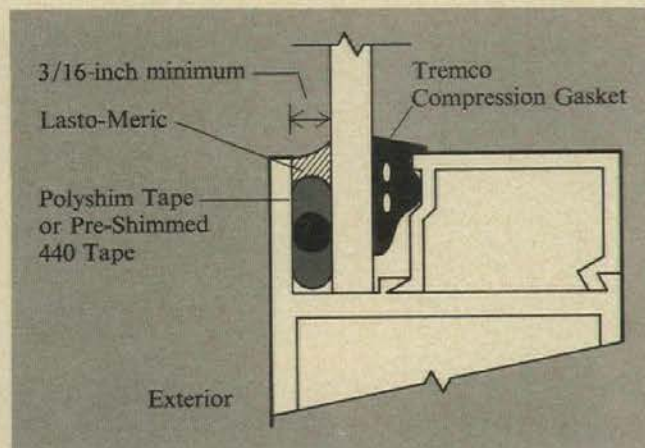
At this point, it's a good idea to talk to your Tremco man. With his experience, he can recommend the right sealing systems to secure the sheet into the rabbet and to seal the sheet perimeter. He can also check for sealant compatibility and adhesion, especially important on sheets with special coatings.

Glazing methods will vary according to the maximum sash opening, or long dimension.

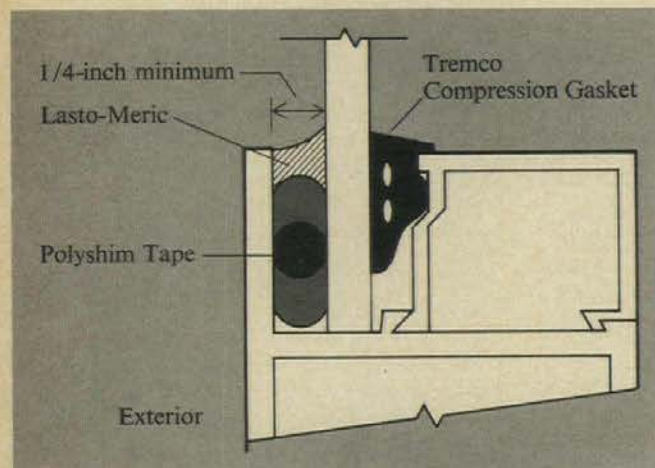
Shown here are three methods of glazing acrylic or polycarbonate plastic along with the recommended Tremco products. Each method is based on the long dimension. If the long dimension is over 72 inches, you should dis-



Maximum sash opening up to 36 inches.



Maximum sash opening 36 to 48 inches.



Maximum sash opening 48 to 72 inches.

cuss the installation with your Tremco man and get his recommendations.

Extra technical assistance.

Remember, your Tremco man will be happy to meet with you to discuss the use of plastic

glazing anytime. While you're still in the thinking stage, at the drawing board or when you're making specific recommendations.

Although the use of plastics is relatively new, he can draw on the experience of a company that's been solving all kinds of glazing and sealant problems for more than 45 years.

We have some 15 basic job-proven sealants to choose from, such as MONO®, Polyshim® tape and Lasto-Meric®, as well as compression gaskets. You may also have use for our unique TREMproof® waterproofing systems and Tremline roof edging systems.

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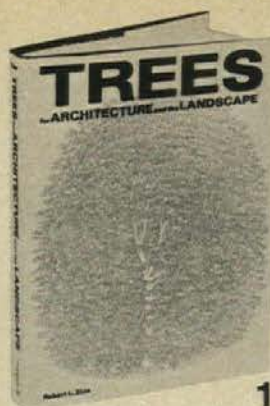
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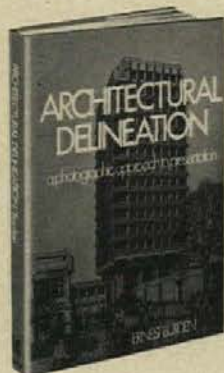
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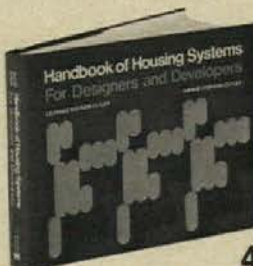
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Technical/ Design

1 Trees: For Architecture and Landscape

By Robert L. Zion,
168 pp., illus., ... \$25.00

Everything an architect should know about using trees to complement the buildings he designs. Includes aesthetic factors such as leaf and bark texture, height, spread, density and coloration — practical considerations such as cost, planting, maintenance, and rate of growth.

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2 Architectural Rendering The Techniques of Contemporary Presentation

By Albert O. Halse, 326 pp., illus.,
2nd edition, 1972 ... \$21.50

This completely up-dated revision of the most widely used guide to architectural rendering covers all working phases from pencil strokes to finished product — and shows you how to obtain the desired mood, perspective, light and color effects, select the proper equipment and work in different media.

Circle B602 under Books.

3 Architectural Delineation A Photographic Approach to Presentation

By Ernest Burden, 288 pp.,
illus., 1971 ... \$19.45

In this illustrated book, the author demonstrates a simple, flexible method of using photography to depict architectural projects in true perspective. How to create models for photography and how to put together an effective slide presentation.

Circle B603 under Books.

4 Handbook of Housing Systems for Designers and Developers

By Laurence Stephan Cutler
and Sherrie Stephens Cutler
234 pp., ... \$17.50

Enables today's builders, developers, architects to meet the critical housing need by performing more efficiently; achieving new design, building, and management techniques; vastly increasing scope and productivity of their efforts. Graphics, plans provide a "kit of parts," reader can participate in systems design and building process.

Circle B604 under Books.

5 Loss Control: A Safety Guide- book for Trades and Services

By George J. Matwes
and Helen Matwes
341 pp., ... \$16.50

Handy reference manual, written in narrative style. It covers almost every type of business establishment, from department stores and supermarkets to hospitals, theaters, race tracks and golf courses. A primer for those new to the trades and services field of safety. Refresher and source of new ideas for experienced professionals.

Circle B605 under Books.

6 Alvar Aalto

248 pp., ... \$29.50

Alvar Aalto, among the most important living architects, has evolved a language entirely his own, quite unconcerned with current clichés, yet its vigorous display of curved walls and single-pitched roofs, in its play with brick and timber, entirely in harmony with the international trend towards plastically more expressive ensembles. Contains complete works from 1963-'70. Including detailed plans and sections.

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7 A Bucket of Oil

By Caudill, Lawyer and Bullock
90 pp.,...\$10.95

This book features practical techniques for energy and resource conservation. Covers: architecture, climate codes, comfort, day lighting, geometry and orientation, heat flow, human needs, lighting, mechanical systems, natural ventilation, outdoor spaces, programming, planning, and more.

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8 A Guide to Site and Environmental Planning

By Harvey M. Rubenstein
Illus. 300 photos, diagrams and maps, some in full color...\$17.50

An up-to-date reference on all phases in the development of a site plan — land use, pedestrian and vehicular circulation, visual design and natural elements in site organization, calculations for contours, grading and earthwork, drainage, alignment of horizontal and vertical curves.

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9 Vandalism

Edited by Colin Ward
327 pp.,...\$13.95

A major function of this book is to discuss this book is to discuss the responsibilities of the designer and provide an illustrated design guide to alert him to ways in which vandalism can be minimized and the opportunities for it reduced. It also serves as a manual to help the designer avoid the selection of materials and equipment which are most vulnerable to attack.

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10 Restaurant Planning & Design

By Fred Lawson
180 pp.,...\$24.95

Develops in detail the elements that go into successful restaurant planning. Not only provides a step-by-step guide in design procedure for the architect and designer, but presents essential technical information in convenient form which will be of value to all catering administrators.

Circle B610 under Books.

11 Young Designs in Color

By Barbara Plumb
168 pp., Illus., Color...\$15.95

Pictures and descriptions of all kinds of dwellings, from one-room apartments to country estates, show how color, design, and construction are being used by imaginative people to create exciting personal settings.

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12 Residential Designs

Edited by David E. Link
192 pp.,...\$14.50

Hi-rise or low cost, condo, multi-family, custom or townhouse, here's a design book that shows you the very best in every class. Complete collection of designs with over 200 illustrations featuring techniques used by some of the nation's leading builders, planners and designers.

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13 For Everyone a Garden

By Moshe Safdie
Edited by Judith Wolin
256 pp.,...\$25.00

Provides detail and technical specificity of architect Moshe Safdie's

(Habitat Expo '67) experience with industrialized building methods for architects and engineers. Presents new ideas about people building, planning, sites and their interactions.

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14 Housing Demand Mobile, Modular or Conventional?

By Harold A. Davidson
442 pp.,...\$17.50

Covers the supply and quality of mobile home parks; taxation policies and zoning regulation concerning mobile homes; financing of mobile home purchases; mobile homes as a factor in solving low-income housing problems; the competitive relationship between sales of mobile and modular housing units.

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15 Urban Design As Public Policy

By Jonathan Barnett
208 pp., illus.,...\$15.00

Drawing on his extensive experience as former director of NYC's Urban Design Group, he shows how architects, planners, designers, wherever they are, can use the NY experience to achieve successful methods for working with political, real estate interests, commercial, community groups and fellow planners.

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16 Step-By-Step Perspective Drawing: For Architects, Draftsman, and Designers

By Claudius Coulin
112 pp., illus.,...\$13.95

Beginning with an explanation of drawing instruments and materials, this book proceeds into details of descriptive geometry, from simple isometric projections through perspective renderings of complicated inclined planes and rounded forms. Fully indexed for quick reference.

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17 Contemporary Concrete Structures

By August E. Komendant
640 pp., illus., 1972...\$24.45

The entire spectrum of poured-in-place and prefabricated concrete structure is covered in this practical guide. It treats essential structural theories; material characteristics; behavior of structural elements and systems; and appropriate construction methods, and provides data on solving concrete design problems.

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History/Arts

18 Ludwig Mies van der Rohe: Drawings in the Collection of the Museum of Modern Art

Introduction and notes by Ludwig Glaeser
70 pp.,...\$20.00

Each of the drawings in this portfolio-sized, spiral-bound book is a germinal act of architectural creation. The sketches represent projects that for one reason or another were never constructed, and so for those interested in the full range of Mies's architectural concepts, the book serves as a necessary supplement to those that are based largely on his built projects.

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