



BUILDING TYPES STUDY:

RECORD HOUSES OF 1978
PLUS APARTMENTS OF THE YEAR

TWENTY EXCEPTIONAL HOUSES AND SIX MULTI-FAMILY PROJECTS
SELECTED FOR THE 1978 AWARDS OF EXCELLENCE FOR DESIGN

ARCHITECTURAL RECORD

MID-MAY 1978



A MCGRAW-HILL PUBLICATION

FIVE DOLLARS PER COPY



Certain floor designs copyrighted by Armstrong

Premier Sundial™ . The no-wax version of the Armstrong floor that's helped cut callbacks to the bone.

Chances are, you already know about Armstrong Tredway®. The floor with the unique built-in elasticity. It's easy to



Conventional flooring can ridge or split.



Premier Sundial adjusts to seasonal subfloor movement.

install over particleboard or concrete, expands and contracts with subfloor movement, and hides most subfloor irregularities.

Premier Sundial is almost the same thing. But even better! It gives you all the features of Tredway plus our exclusive no-wax Mirabond® wear surface that allows the floor to shine without waxing far longer than ordinary vinyl floors. And Premier Sundial has an extra-thick cushioned backing which provides more underfoot comfort.

Premier Sundial is a no-wax trade-up version of Tredway, the floor that's practically eliminated complaints and callbacks for builders everywhere. And helps them save time and effort, too. Like Tredway, Premier Sundial installs faster than any other of our permanent floors. In case of accidental damage, it

repairs a lot easier, too. You'll find it almost impossible to tell where the patch leaves off and the floor begins.

In short, Premier Sundial is a shining example of what a little creativity can do for the building world. In a range of patterns and colors for almost all the active areas of your homes. To learn more, call your Armstrong Flooring Contractor, or write Armstrong, Dept. 85FAR, Lancaster, Pa. 17604.

FROM THE  INDOOR WORLD® OF
Armstrong

For more data, circle 1 on inquiry card





Cover: Marcus house
Chappaquiddick Island, Massachusetts
Architect: Myron Goldfinger
Photographer: Norman McGrath

THE RECORD REPORTS

49 Preface
by Barclay F. Gordon

ARCHITECTURAL BUSINESS

2 Photographers of Record Houses
2 Entry procedure for Record Houses 1979

ARCHITECTURAL ENGINEERING

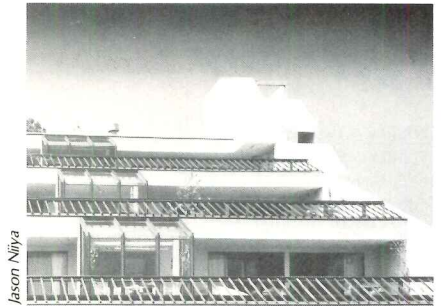
131 New products for the house
133 New literature for house planning
154 Index to advertising
157 Record Houses reader service inquiry card

**BUILDING TYPES STUDY 516
RECORD HOUSES OF 1978**

- 50 **Hall house**, Napa, California
Architects: Roland-Miller
- 54 **Hobbs house**, Seattle, Washington
Architects: Hobbs Fukui Associates
- 56 **Barn renovation**, Maryland Eastern Shore
Architects: Moore Grover Harper
- 60 **Private house**, Atlanta, Georgia
Architects: Porter/Kelly, Inc.
- 64 **Private house**, Glencoe, Illinois
Architects: Booth Nagle & Hartray
- 66 **Private house**, Old Westbury, New York
Architect: Norman Jaffe
- 70 **Private house**, Central Arkansas
Architect: E. Fay Jones
- 72 **Hulse house**, Atlanta, Georgia
Architect: Anthony Ames
- 74 **Desberg house**, Central Ohio
Architects: Trout Architects, Inc.
- 76 **Opp house**, St. Paul, Minnesota
Architects: Design Consortium
- 78 **Private house**, Napa Valley, California
Architects: Bull Field Volkmann Stockwell
- 82 **Private house**, Northern Connecticut
Architects: Johansen-Bhavnnani
- 86 **Private house**, Park County, Wyoming
Architect: Moulton Andrus
- 90 **Klein house**, South Miami, Florida
Architect: Donald Singer
- 92 **Riley house**, Guilford, Connecticut
Architects: Moore Grover Harper
- 94 **Marcus house** Chappaquiddick Island
Architect: Myron Goldfinger.
- 98 **Whitton/Dailey house**, Watermill, New York
Architect: Alfredo De Vido
- 102 **Cohen house**, South Orange, New Jersey
Architects: Marcel Breuer and Associates
- 104 **Private house**, The Sea Ranch, California
Architect: Donald Jacobs
- 108 **Private house**, District of Columbia
Architect: Hugh Jacobsen

**FEATURES:
APARTMENTS OF THE YEAR**

- 112 **Beacon Street Apartments**, Boston, Massachusetts
Architect: James McNeely
- 114 **Concord Greene Apartments**, Concord, Massachusetts
Architects: Huygens and Tappé
- 116 **The Fairways**, Vancouver, B.C.
Architect: R.E. Hulbert & Partners
- 120 **Walnut Hill Apartments**, Haverstraw, New York
Architects: Smotrich & Platt
- 122 **Cooper Street Lofts**, Aspen, Colorado
Architects: Copland Finholm Hagman Yaw
- 124 **Coastline Condominiums**, Malibu, California
Architect: Murray Milne



Jason Nijya

Of particular assistance to the Editor in the preparation of this issue were:

Barclay F. Gordon, editor-in-charge
Grace Anderson, associate editor
Charles K. Hoyt, associate editor
William Marlin, associate editor
Janet Nairn, associate editor
Annette K. Netburn, production editor
Drupattie Persaud, assistant to the editors

Jan White, art direction
Muriel Cuttrel, illustration
Anna-Maria Egger, art production

EDITOR

WALTER F. WAGNER, JR., AIA

MANAGING EDITOR

HERBERT L. SMITH, JR., AIA

SENIOR EDITORS

ROBERT E. FISCHER

MILDRED F. SCHMERTZ, FAIA

ASSOCIATE EDITORS

GERALD ALLEN

GRACE M. ANDERSON

BARCLAY F. GORDON

CHARLES E. HAMLIN

CHARLES K. HOYT, AIA

WILLIAM MARLIN

JANET NAIRN

PRODUCTION EDITOR

ANNETTE K. NETBURN

DESIGN

ALEX H. STILLANO, Director

ALBERTO BUCCHIANERI, Senior associate

ANNA-MARIA EGGER, Associate

MURIEL CUTTRELL, Illustration

J. DYCK FLEDDERUS, Illustration

JAN WHITE, Consultant

EDITORIAL CONSULTANTS

EDWARD LARRABEE BARNES, FAIA

JONATHAN BARNETT, AIA, Urban design

GEORGE A. CHRISTIE, JR., Economics

ERNEST MICKEL, Hon. AIA, Washington

PAUL RUDOLPH, FAIA

Foreign architecture

L'Architecture d'Aujourd'hui, Paris

McGraw-Hill WORLD NEWS

RALPH R. SCHULZ, Director

9 domestic and 10

international news bureaus:

Bonn, Brussels, Buenos Aires,

London, Milan, Moscow, Paris,

Singapore, Tokyo, Toronto.

SALES MANAGER

ROBERT G. KLIESCH

CIRCULATION DIRECTOR

HUGH S. DONLAN

BUSINESS MANAGER

JOSEPH R. WUNK

ASSISTANT TO THE PUBLISHER

ELIZABETH HAYMAN

PUBLISHER

BLAKE HUGHES

PHOTOGRAPHERS OF RECORD HOUSES OF 1978

Gil Amiaga, 152 East 23rd Street, New York, New York (102)

Barbeau Engh, 205 Ralston Avenue, Mill Valley, California (50)

Elliot Fine, 800 Carroll Street, Brooklyn, New York (98)

Dan Forer, 204 N.E. Fifty Five Terrace, Miami, Florida (90)

David Hirsch, 506 First Street, Brooklyn, New York (82)

Alan Holm, 13910 Adios Pass, Carmel, Indiana (74)

Art Hupy, 2036 N.E. 98th Street, Seattle, Washington (54)

Philip M. James, 216 Times Annex Building, Minneapolis, Minnesota (76)

Robert C. Lautman, 4906 41 Street, N.W. Washington, D.C. (108)

William Lukes, P.O. Box 8438, Aspen, Colorado (122)

Bill Maris, 8 West 95th Street, New York, New York (66)

Alan McGee Photography Inc., 2239 Faulkner Road, Atlanta, Georgia (60, 72)

Norman McGrath, 104 East 40th Street, New York, New York (56, 92, 94)

Jason Niiya, 624 Veteran Avenue, Los Angeles, California (124)

William Owens, 5 West Hill Place, Boston, Massachusetts (112)

Thomas P. Palmer, 234 East 49th Street, New York, New York (120)

Richard Payne 4200 Westheimer, Suite 217, Houston, Texas (70)

Karl Reik, 1950 Schaeffer Road Sebastopol, California (78)

Steve Rosenthal, 56 Boyd Street, Newton, Massachusetts (114)

Merg Ross, 5437 Lawton Avenue, Oakland, California (104)

Simon Scott, 3823 W. 11th Avenue, Vancouver, British Columbia (116)

Philip Turner, 4800 Chicago Beach Drive, Chicago, Illinois (64)

ENTRY PROCEDURE: Any architect registered in the United States is invited to submit material for consideration in RECORD HOUSES AND APARTMENTS OF 1979. Include the following items: 6 to 10 clear, informal photographs fully describing the architectural intent, both on the exterior and the interior (35 mm. slides must be in 8 1/2 X 11 in. sleeves); relevant plans and sections (not working drawings); and a descriptive sheet including the architect's name and location of building. If the house has been professionally photographed, the photographer's name and current address should also be included. Do not send material which must be returned before the issue appears. Deadline: October 15, 1978.

ARCHITECTURAL RECORD (Combined with AMERICAN ARCHITECT, ARCHITECTURE AND WESTERN ARCHITECT AND ENGINEER)

Mid-May 1978, Vol. 163, No. 6. Title® reg. in U.S. Patent Office, copyright©1978 by McGraw-Hill, Inc. All rights reserved. Copyright not claimed on front cover and editorial four-color separations. Indexed in Reader's Guide to Periodical Literature, Art Index, Applied Science and Technology Index, Engineering Index, and The Architectural Index. Published monthly except May, August, and October when semi-monthly, by McGraw-Hill, Inc.

Quotations on reprints of articles available. Every possible effort will be made to return material submitted for possible publication (if accompanied by stamped, addressed envelope), but the editors and the corporation will not be responsible for loss or damage.

EXECUTIVE, EDITORIAL, CIRCULATION AND ADVERTISING OFFICES: 1221 Avenue of the Americas, New York, N.Y. 10020.

PUBLICATION OFFICE: 1221 Avenue of the Americas, New York, New York 10020. Second-class postage paid at New York, New York 10001 and at additional mailing offices. ID #029520.

OFFICERS OF McGraw-Hill PUBLICATIONS COMPANY: Gordon L. Jones, president; Paul F. McPherson, executive vice president; Gene W. Simpson, group vice president; senior vice presidents: James E. Boddorf, planning and development; David G. Jensen, manufacturing; Ralph R. Schulz, editorial; vice-presidents: James E. Hackett, controller; Robert L. Leyburn, circulation; Edward E. Schirmer, sales.

CORPORATION OFFICERS: Harold W. McGraw, president, chief executive officer and chairman of the board; Robert N. Landes, senior vice president and secretary; Ralph J. Webb, treasurer.

SUBSCRIPTIONS solicited only from architects and engineers. Position, firm connection, and type of firm must be indicated on subscription orders. Please allow 4-12 weeks for shipment.

CHANGE OF ADDRESS or subscription service letters should be forwarded to Fulfillment Manager, ARCHITECTURAL RECORD, P.O. Box 430, Hightstown, N.J. 08520. Provide old and new addresses, zip code or postal zone number. If possible, attach issue address label. Annual subscription prices: U.S., U.S. possessions: \$19.00 for architects, engineers and other individuals in the fields served; others \$26.00. Canada: \$21.00 for architects, engineers and other individuals in the fields served; others \$28.00. Australia, Brazil, and Japan: \$40.00 to architects, engineers; others, \$45.00. Other countries: \$35.00 to architects, engineers; others, \$45.00. Single copies: \$5.00.

GUARANTEE: Publisher agrees to refund that part of subscription price applying to unfulfilled part of subscription if service is unsatisfactory.

ASSOCIATED SERVICES/McGraw-Hill Information Systems Co.: Sweet's Catalog Files (General Building, Engineering, Industrial Construction and Renovation, Light Residential Construction, Interiors), Dodge Building Cost Services, Dodge Reports and Bulletins, Dodge/SCAN Microfilm Systems, Dodge Management Control Service, Dodge Construction Statistics, Dodge regional construction newspapers (Chicago, Denver, Los Angeles, San Francisco).

THIS ISSUE is published in national and separate editions. POSTMASTER: PLEASE SEND FORM 3579 to Fulfillment Manager, ARCHITECTURAL RECORD, P.O. Box 430, Hightstown, N.J. 08520.



CANTATA: BACH METAL: INCA GOLD FURNITURE: STENDIG INTERNATIONAL

To create the ultimate in contemporary furniture, it's essential to be completely dedicated to the pursuit of excellence. Stendig International spares neither time nor effort in that quest.

Here is NONSTOP, a tour de force in luxury seating of unparalleled comfort, achieved by a unique collaboration of hand crafts and advanced technology. NONSTOP is engineered for maximum flexibility. As many elements as you please can be joined together in configurations from the serpentine to the circular. Changes can be made in minutes. And the possibilities are limited only by the imagination.

NONSTOP is available in Swiss suedes and leathers that grow more magnificent with time. Designed by Eleonore Peduzzi Riva with Heinz Ulrich, Klaus Vogt and Veli Berger. NONSTOP is part of the Stendig® deSede Designer Collection, produced by deSede of Switzerland, grand masters of leather upholstery.



New York: 410 East 62 Street Chicago: 950 Merchandise Mart
Los Angeles: 201 Pacific Design Center Denver Miami Minneapolis Royal Oak, MI San Francisco Seattle

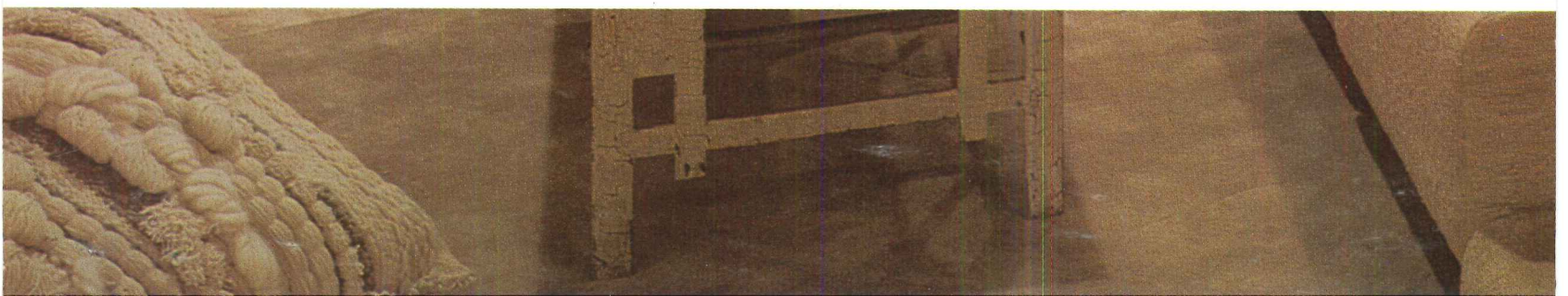
Representatives in all major cities. Refer to White Pages or write to Stendig Inc., a subsidiary of Stendig International, Inc., 410 East 62 Street, New York 10021 (212) 838-6050

Stendig International



**Walls that live up to your lofty ideas.
That's the beauty of Masonite.**

Brand





Baskets. Brass. Batik. You choose accessories with care. And your walls can be just as distinctive. All it takes is your special touch and Masonite brand hardboard paneling. Like the luxurious way this new

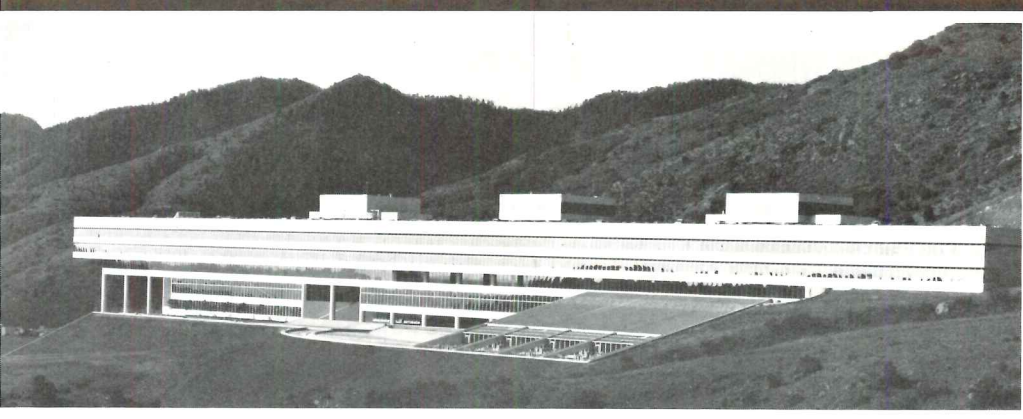
Tradition™ II Birch Design warms up to loft living. Or choose stucco, brick or a forestful of wood designs. You'll find attractive looks at affordable prices. At your Masonite brand paneling dealer.



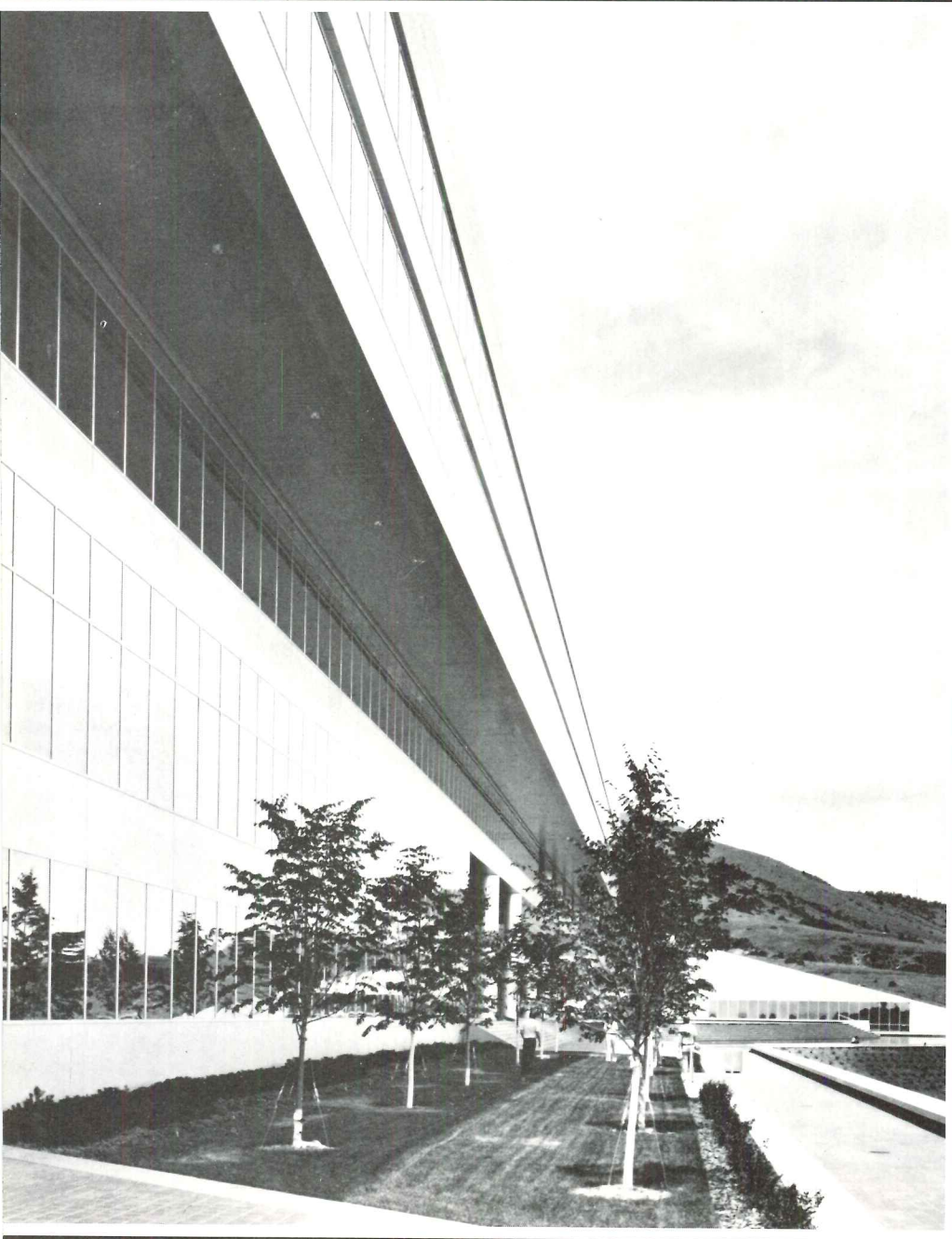
For more data, circle 2 on inquiry card

Man-made finish on real Masonite brand hardboard.
Room design by Larry Deutsch, A.S.I.D.





Designed by The Architects Collaborative, Cambridge, Mass.



This is the Johns-Manville World Headquarters near Denver, Colorado. It is one of the most impressive buildings in the country.

Over 2500 insulating glass units are used to conserve energy. And every unit is manufactured with sealant based on LP[®] polysulfide polymer.

We rest our case.

Specifying insulating glass for a project is not a responsibility to be taken lightly, especially when the building is as prestigious as the Johns-Manville World Headquarters. Past performance is often the criterion.

Past performance is, in fact, the reason why more than 80% of the insulating glass manufacturers rely on sealants based on LP polysulfide polymer to produce high quality insulating glass units for commercial, industrial and residential buildings.

Polysulfide polymers have been serving the building industry for over 30 years, not only as the base for insulating glass sealants but for building sealants as well.

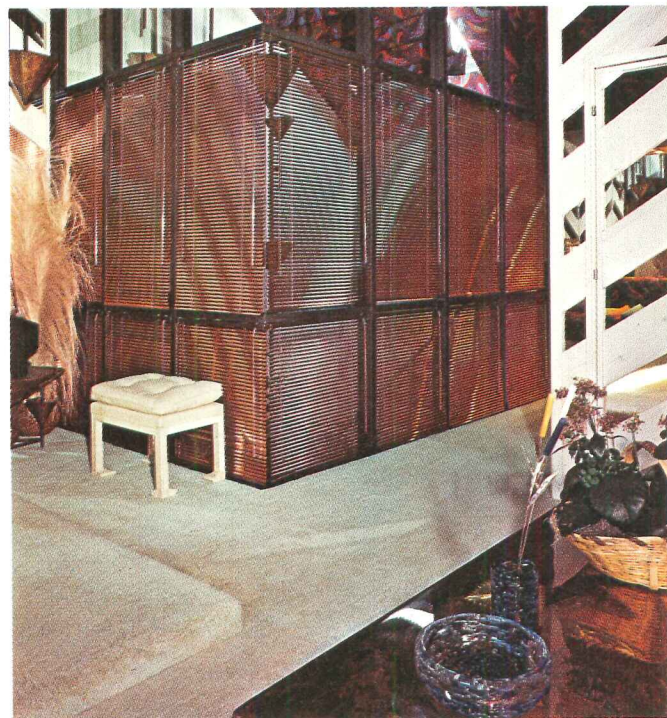
Not many materials have such a track record. We're proud of it; we hope you'll keep it in mind when specifying insulating glass units and building sealants for your next project.

For complete information on LP polysulfide polymers and the many prestigious buildings where they have been used write to Thiokol/CHEMICAL DIVISION, Marketing Communications, P.O. Box 8296, Trenton, N.J. 08650

Thiokol/CHEMICAL DIVISION

P.O. Box 8296, Trenton, N.J. 08650

thermoplastic urethanes • urethane oligomers, prepolymers and rubbers • acrylic monomers
polysulfide polymers and rubbers • plasticizers • epoxy modifiers and curing agents



Be Original.

Why let the perimeter problems of a project stifle your originality?

Levolor helps set you free. With more than 200 colors and finishes from the boldness of our new mirror-like finish, Kroma, to the gentlest of earthtones.

No matter what shape your windows are in, we have ideas for them ... whether they're arched, inclined, traditional or even horizontal skylights.

Yet while gaining originality you won't throw practicality to the wind. Levolor helps any commercial contract with qualities such as low maintenance, energy conservation and an excellent cost/life ratio.

Like to be original? Then go to the source. Write to us — we'll do all we can to make your schemes come true.

Levolor Lorentzen, Inc.
720 Monroe St., Hoboken, N.J. 07030

Levolor® Blinds
Riviera™/Genus™/Galaxy™

For more data, circle 4 on inquiry card

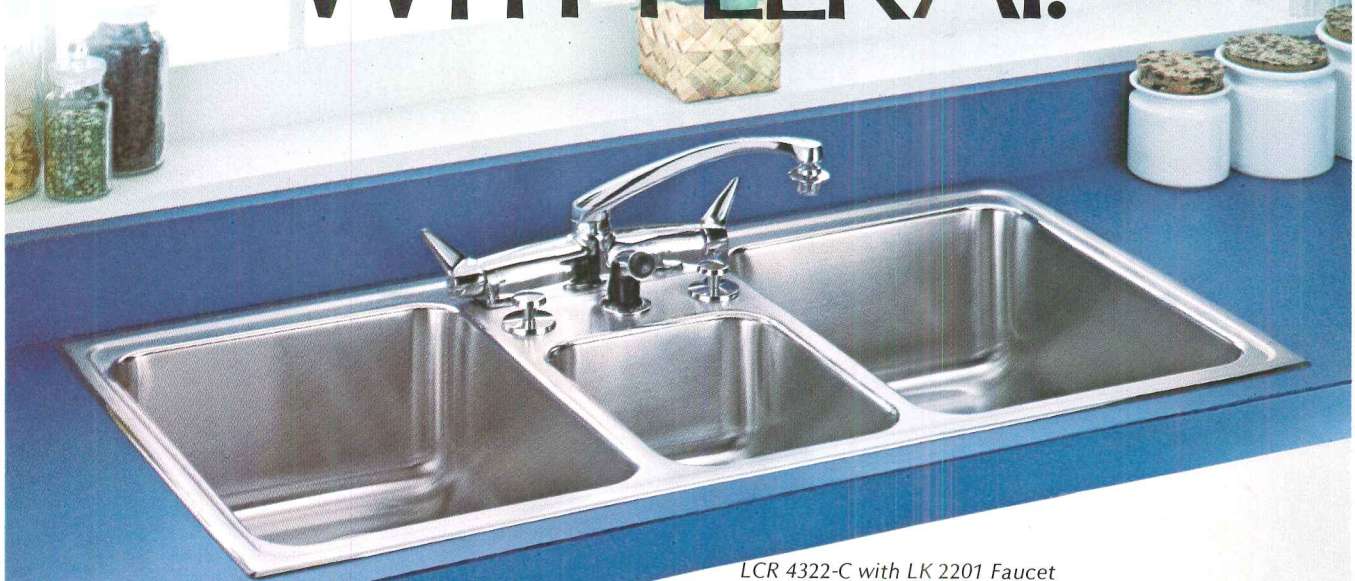




IT'S YOUR BUSINESS,
YOUR CLIENT,
YOUR REPUTATION.



MAKE MORE OF IT WITH ELKAY.



LCR 4322-C with LK 2201 Faucet

A sink like this Elkay Cuisine Centr  can change your client's entire cooking operation by providing almost space-age convenience.



LR 250-C

This Elkay 250+ Sink provides one extra-size compartment to accommodate large roasting and broiling pans, and one regular-size compartment.



LMR 3322-C

This Elkay Cuisine Centr  Sink features a spacious main compartment and a utility-shaped side compartment.



LK 2100

Insist on Elkay Faucets. Only an Elkay Faucet is good enough for your Elkay Sink.

For more information, talk to your Elkay Representative or write to us.

Elkay versus the ordinary. There's no comparison.



MANUFACTURING COMPANY
2700 South Seventeenth Avenue
Broadview, Illinois 60153, Department 023-21

For more data, circle 5 on inquiry card

“Hockeytown U.S.A.” is also famous for triple glazing

Architect: Donald Pertinen Builder: Tom Cooper

Warroad, Minn., Population 1,086, is the famous “Hockeytown U.S.A.” Fine hockey teams aren’t the only thing we’re known for. Marvin was the first window builder to emphasize triple glazing, and in 20 years Warroad has produced untold thousands of them. Write for literature. Marvin Windows, Warroad, MN 56763. Phone: 218-386-1430.

You’ve never been so insulated in all your life.



**Marvin
Windows**

The truth architects may not know
about tennis court surfaces:

IF YOU WANT ECONOMY YOU HAVE TO PAY FOR IT.

HERE'S WHY.

Chevron Laykold® costs more initially, but is a better investment now than ever before. Properly installed, it can last longer, cut maintenance costs, reduce the need for resurfacing, and deliver better per-month return on your investment than any bargain-priced surface.

Here are the facts:

1 Laykold is a planned system, not a paint. Most of our competitors just supply surface coatings, not a four-level system like Laykold. These four essential levels stabilize a court; give Laykold a planary (true) surface that provides correct ball trajectory and speed, superb player comfort, and proper drainage.

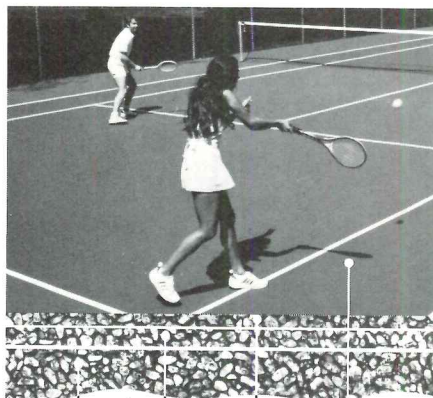
Probably no other surface in the world can match it.

2 Laykold cuts maintenance cost to the barest minimum. The less time your client spends tending his courts, the more money they save him. His per-month cost should be extremely low.

3 Laykold lasts longer. Cheap surface coatings crack, peel, fade—rarely stand up. But Laykold wears uniformly and durably, indoors or out, under heavy use or in bad weather.

4 Laykold reduces the need for resurfacing. The long-lasting Laykold base, leveling, surfacing and finishing layers stay "in condition" longer than cut-rate surfaces. So when the time inevitably comes to resurface, Laykold makes it easy and economical to correct age and wear problems—not just cover them up.

The Laykold System



Base course
Leveling course
Surface course
Finish courses

5 Laykold reduces worry. Low price surfaces can be made by anyone. They may be well-intentioned beginners who may not be around later to answer your questions. Chevron will. Laykold is the product of our 50 years experience in tennis court construction. We have 26 people in two laboratories to promote that reputation, and on-site engineers in your region to protect it. No other supplier in the world ships more asphalt for tennis surfaces than Chevron.

Perhaps best of all, this same quality is available in surfaces, resurfacing, nets, posts, lighting—in **one** quality package from **the** quality source: Chevron. Call for complete technical information.

Remember this: the lower your budget, the more cost conscious you're forced to be. And the more you should consider Laykold.

**SAVE MONEY.
BUY QUALITY.**

Call Toll Free/24 hours

800-648-5322 ext. 200
(Good in 48 states except Nevada)

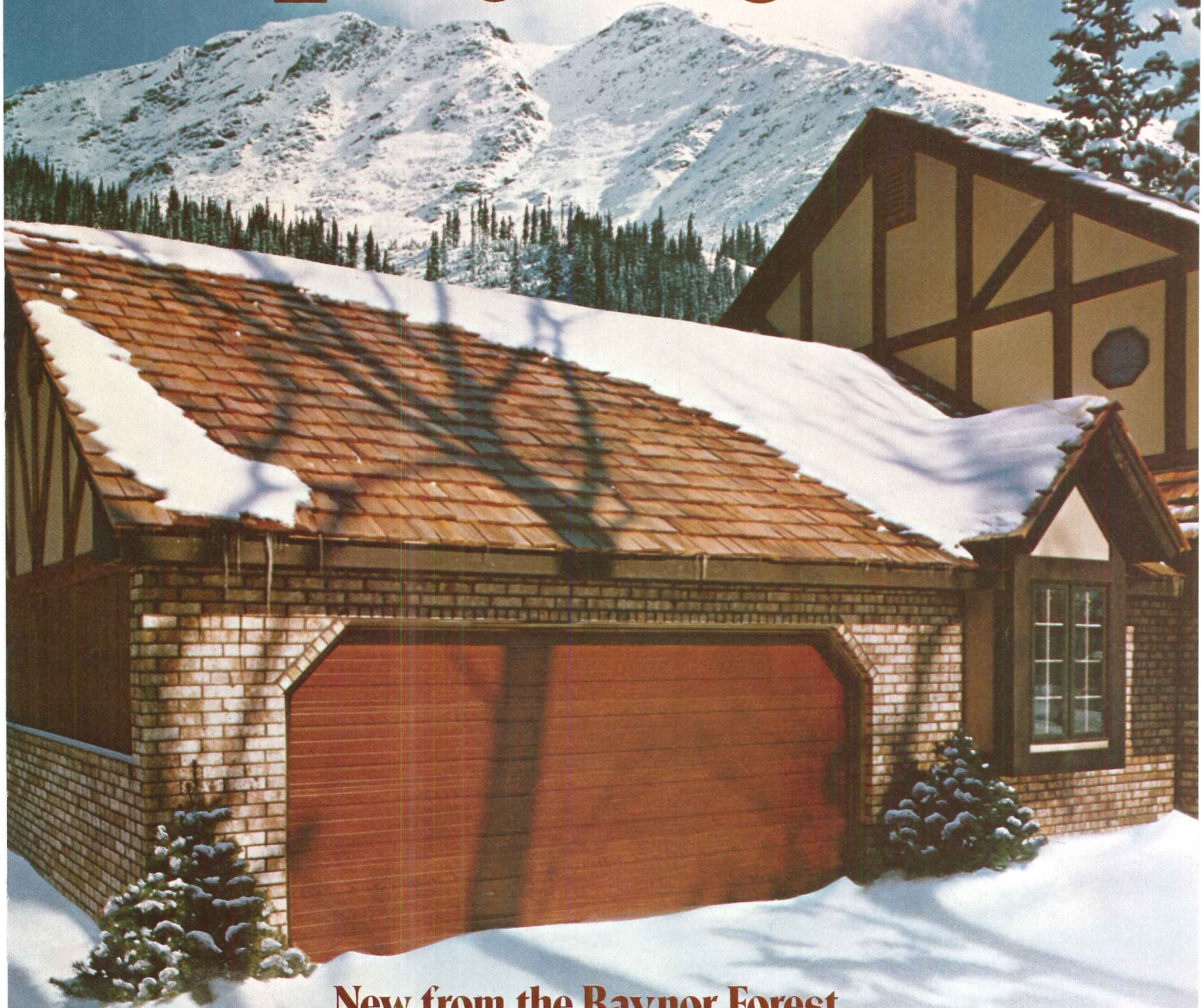
Chevron U.S.A. Inc.
Asphalt Division

San Francisco, CA 94120



For more data, circle 7 on inquiry card

Timberline



New from the Raynor Forest... steel that looks like wood!

Timberline is Raynor's new sectional garage door that combines the beauty of wood with the strength, security and durability of steel. And because it's made of steel, Timberline won't rot, warp or shrink, ever. Plus, its deep-ribbed design takes on an attractive wood-plank appearance.

Timberline features a rich wood-grain, baked-on enamel finish offered in both one and two-car sizes. Insulation and other weather-protection materials are



RAYNOR
GARAGE DOORS



also available for colder climates.

Next time you're selecting a garage door, be sure to ask for the Raynor Timberline. The one door that offers the best of two worlds.

For complete information on the new, beautiful steel Timberline sectional garage door, call your local factory-trained Raynor distributor/installer. You'll find him in the Yellow Pages under "Doors." Or write Raynor Manufacturing Company, Dixon, IL 61021.



**Introducing Country Grey,TM
by Kohler.**

**Because deep inside, there's
a little bit of country in us all.**



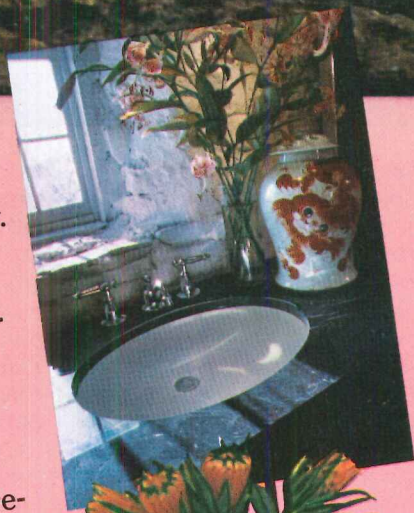
Sometimes you need to get away.
 Away from a world that's too
 hard, too fast, too sophisticated.

You need a trip to the country.
 And now Kohler can take you
 there with Country Grey.

Country Grey recalls things
 that are warm. And open.
 And honest.

Like kittens and shawls. Fire-
 places and weathered fences.
 That's country, pure and simple.

That's Country Grey, simple
 and pure. A color so perfectly
 natural, it naturally works with
 other colors. Imagine how it
 looks with the pinks, reds and
 oranges of a sunset. The infinite
 greens of a forest. Or the blues
 of a clear mountain stream.



The people at Kohler are color
 specialists. And they now offer
 Country Grey in an exclusive
 selection of bathtubs, fiberglass
 bathing modules, toilets, bidets,
 lavatories and kitchen sinks.
 In the U.S. and Canada.

For information, write:
 DEPT. MA, KOHLER CO.,
 KOHLER, WIS. 53044.

Country Grey, from Kohler.
 It takes you back to the country.
 And maybe that's where you
 really belong.

**The Bold Look
 of Kohler**

For more data, circle 9 on inquiry card

Sub-Zero built-in refrigeration for homes of distinction



Model 3211 RFD



Models 201 R & 201 FD



Model 251 RFD

Sub-Zero is the true built-in refrigeration system designed exclusively for the home. All models feature 24" depth, which enables them to fit flush with all standard base cabinets and affords easy accessibility to all stored items.

All Sub-Zero models are designed to accept exterior panels of virtually any material. This unique feature provides you complete flexibility in kitchen design. You can blend it in or accent your kitchen decor.

Models range in size from 24" to 48" width and up to 31 cubic feet in capacity... the largest unit made for the home. The line

features side-by-side, over-n-under (freezer on bottom), all refrigerator, and all freezer units. Also available are undercounter and individual icemaking units.

All full size units feature icemaking capabilities and adjustable storage in both refrigerator and freezer. An outstanding refrigeration system coupled with such manufacturing features as polyurethane insulation (entire unit including doors), magnetically sealed doors, self venting and automatic defrost assures years of satisfactory performance.

Every Sub-Zero unit is completely test run at the factory for total performance before delivery.

See Sub-Zero on display at leading kitchen dealer and appliance showrooms.

SUB-ZERO

SUB-ZERO FREEZER CO. • P.O. BOX 4130 • MADISON, WI 53711 • 608/271-2233

Send 25¢ for colorful brochure on unique kitchens. Available in Canada.

◆ For more data, circle 15 on inquiry card ◆

For more data, circle 16 on inquiry card ◆

What you see is only half the beauty of Redwood Plywood.

Redwood plywood is a gorgeous building material. It has natural beauty. A warm and simple elegance. You see it and you know this is true.

But there's more to redwood plywood than mere good looks.

It ages handsomely. It has remarkable dimensional stability. It's naturally fire-resistant. In fact, 5/8" redwood plywood qualifies for any Class II construction on your schedule.

And redwood plywood can be installed with surprising ease. It resists face-checking. It's a magnificent insulator. You can put it up without applying a stain and it's ready for the weather. But if you want a color effect, it will take and hold a finish like no other wood.

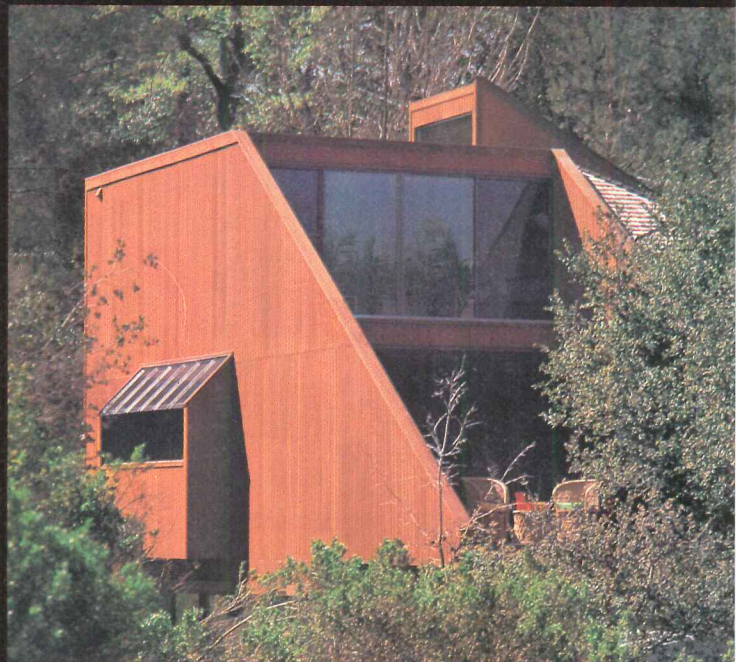
Redwood plywood comes in all-heartwood grades or grades ribboned with the lighter sapwood. Available in 3/8" and 5/8", it enhances interiors as well as exteriors.

So take a good look at redwood plywood. And see how beautiful it really is.

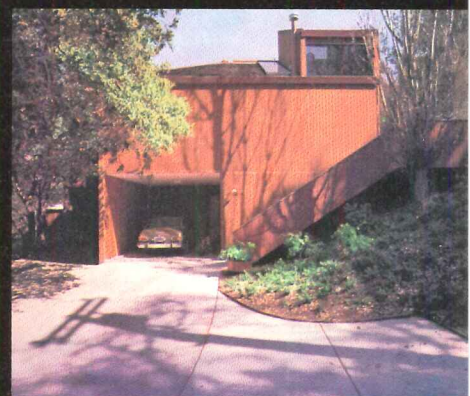
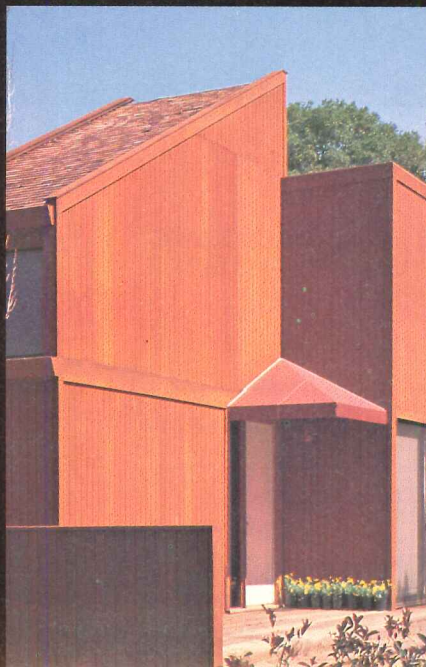


617 Montgomery Street, San Francisco, CA 94111

Redwood—a renewable resource.



Architect: Walter A. Hunt, Jr.,
Planning and Design



EVERY ARCHITECTURAL, DESIGN, ENGINEERING AND CONSTRUCTION FIRM WILL FIND THIS A UNIQUE AND INVALUABLE REFERENCE TOOL AND CAN PUT IT TO USE TODAY!

Gain access to a unique and current list of the decision makers who purchase nearly **\$100 BILLION** in design and construction services yearly!

CORPORATE BUYERS OF DESIGN SERVICES/USA

An Indispensable Tool for Architects, Engineers, Consultants and Contractors

Now available for the first time, this directory serves as a vital reference, locating those crucial prospective clients. Easy to use, the corporation names appear in list form, and include 4,000 corporate buyers — 1,000 of which count themselves among the Fortune 1,000! It saves you hours of research, giving immediate access to individual contacts who act as the actual selectors of architects, engineers, consultants and contractors. The list also includes telephone numbers, speeding up the time between the finding of clients and the establishment of direct contact with them.

Text Designed to Improve Your Marketing Skills

In its 50 pages of marketing text, you learn how to improve and develop your business relations efficiently and productively. Included are:

- How Clients Really Select Architects and Engineers
- What the Client Looks For In Your Presentation
- How To Keep Business Records
- How To Write An Effective Proposal
- How To Improve Public Relations Performance
- How To Select a Design Consultant
- How To Establish Global Marketing and Contacts

PLUS Construction Plans Projected

Where available, the directory supplies coding next to the name and address of the corporation detailing not only the client's preferred method of initial contact, but also the construction activity projected through 1980 including its estimated size and geographical location.

AND Thorough Update Provided

An addenda in the form of additions, corrections, replacements and deletions will be issued to ensure that you receive only the most accurate and up-to-date information.

Table of Contents

- Preface
- Section 1: Marketing Text
- Section 2: Directory
- Section 3: Geographical Index

Architectural Record Books

1221 Avenue of the Americas
New York, New York 10020

Please send me _____ copies of **CORPORATE BUYERS OF DESIGN SERVICES/ USA, 1977-78** at \$190.00 each plus local sales tax where applicable.

Name _____

Address _____

City _____

State _____ Zip _____

Checks must accompany all orders, and be made out to Architectural Record Books.

CORPORATE BUYERS OF DESIGN SERVICES/USA, 1977-1978,
2nd edition Published by B.I.D.S., Inc.

CORPORATE BUYERS OF DESIGN SERVICES /



Step into the future

Sculpture, "Grey Wings," by Freda Koblick.



3 fully-adjustable recessed whirlpool inlets

skid resistant contoured bottom

drain with vented overflow

fill spout with diverter

suction fitting

MASTER CONSOLE incorporating: air induction controls and integrated hot and cold faucets

reclining backrest

optional skirt (removable for sunken installation)

double insulated pre-plumbed pump and motor

Introducing the Jacuzzi Prima VI

With homes costing what they do, it takes a lot to impress a customer. But this kind of luxury could do it.

Because the Jacuzzi Prima VI Whirlpool Bath takes bathing where it's never been before. Beyond the luxury of the Greeks and Romans. Beyond the Turkish bath, the Scandinavian sauna, and Japanese hot tub.

Beyond anything man has even known.

And unlike a lot about the future, you can be sure of the results. Because the Prima VI is backed by the Jacuzzi name. Your assurance of getting all the workmanship and profit only 20 years of experience in whirlpool baths can give.

For more information, call Toll Free (800) 227-0710.

In California, call (415) 938-7070.

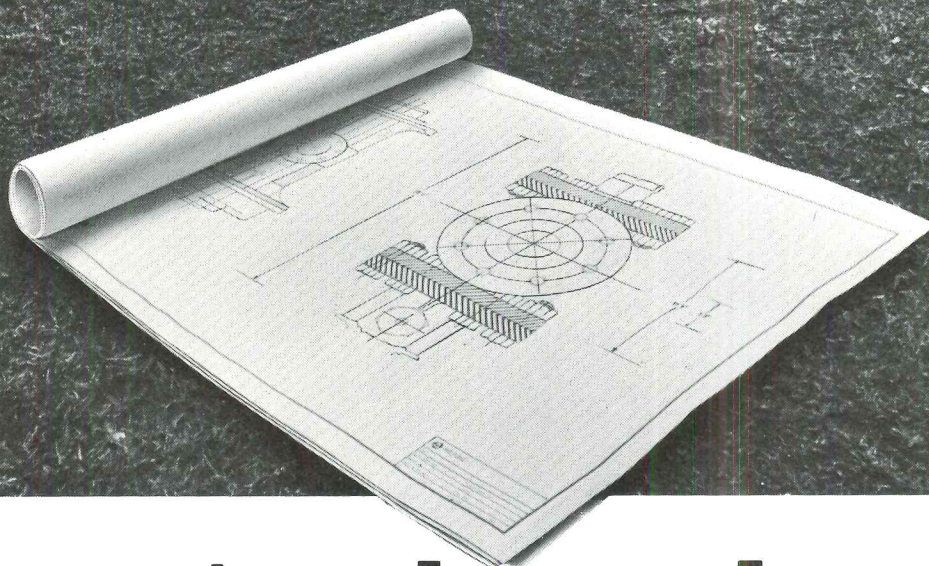


P.O. Drawer J, Walnut Creek, CA 94596.

For more data, circle 17 on inquiry card



The PD160 engineering copier.



No scents makes good sense.

Our PD160 engineering copier offers the same ammonia-free PD® process that made our PD80 today's most popular convenience copier.

And like the PD80, the PD160 has instant on/off and plugs in anywhere there's a 110-volt outlet.

But it's a bigger, faster, medium-volume machine, that offers added conveniences for easier operation, turning out 42-inch-wide prints at up to 40 fpm, with excellent print stacking and easy tracing handling.

And here's another sensible benefit. Our rental plan with option to buy means no capital invest-

ment, no long-term commitment. It's only \$95 a month, including a stand.* And all rent applies toward purchase for the first three months.

Best of all, the PD160 is backed by the respected Bruning tradition of service and support to the engineering profession.

It makes good sense to call your local Bruning Sales Office. Or write Bruning, 1834 Walden Office Square, Schaumburg, Illinois 60196.

*Rate subject to change.



BRUNING

DIVISION OF
ADDRESSOGRAPH MULTIGRAPH



Quality Endures

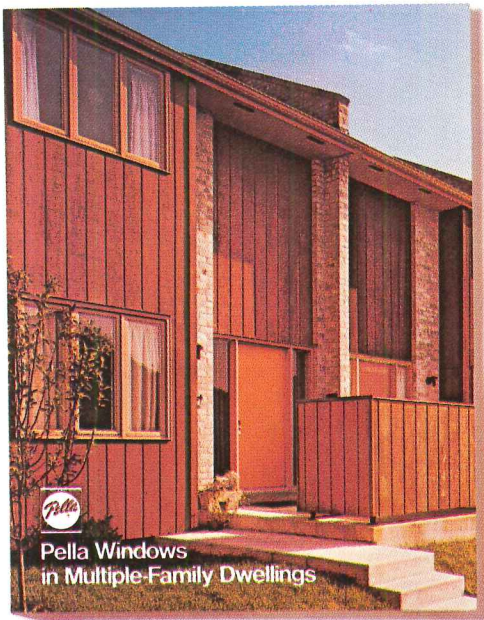
The elegant Versailles, a masterpiece of modern metalworking artistry, is a dramatic contrast to this primitive wooden lock*. Wooden locks, such as this one of ancient Indonesian origin can be traced back thousands of years to other civilizations in Africa and Asia. Its basic locking principle of wooden pins and a notched key was the genesis of today's pin tumbler cylinder. Each in its own way reflects a dedication to traditions of quality and craftsmanship.

SCHLAGE®

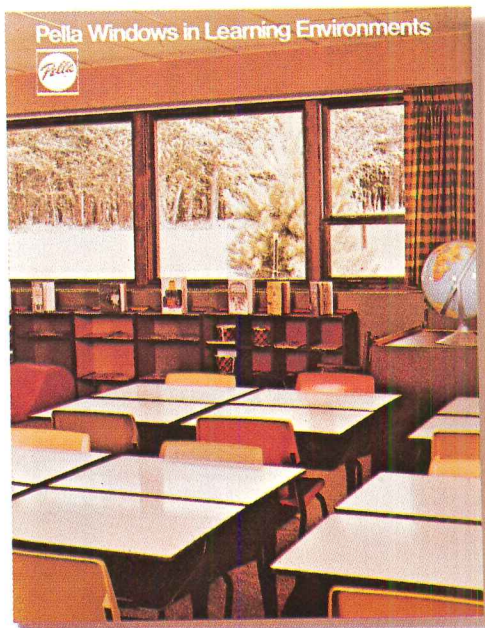
The World's Most Respected Name in Locks.

*Courtesy of the Schlage Antique Lock Collection.

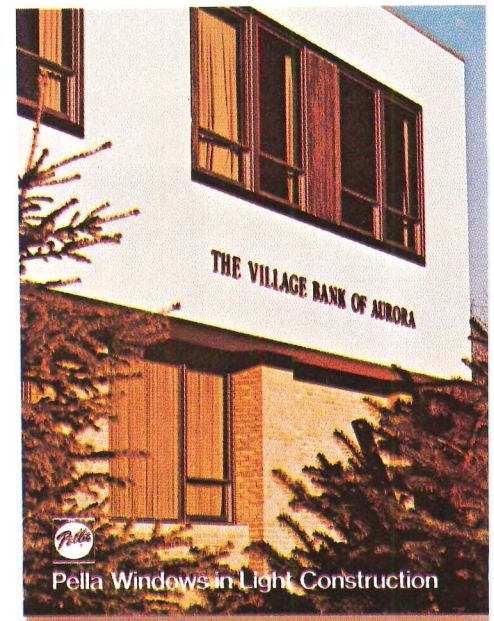
For more data, circle 19 on inquiry card



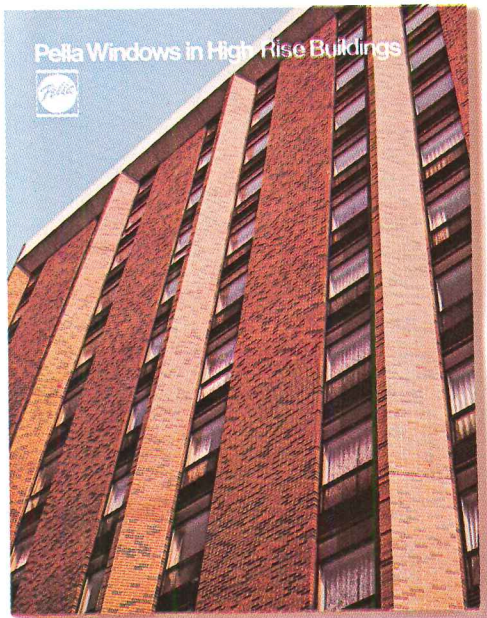
Multiple-Family Dwellings — Pella Wood Windows can help give apartments and condominiums a non-commercial feeling.



Learning Environments — shows how Pella Windows are being used to create the kind of warm, home-like environments students prefer.



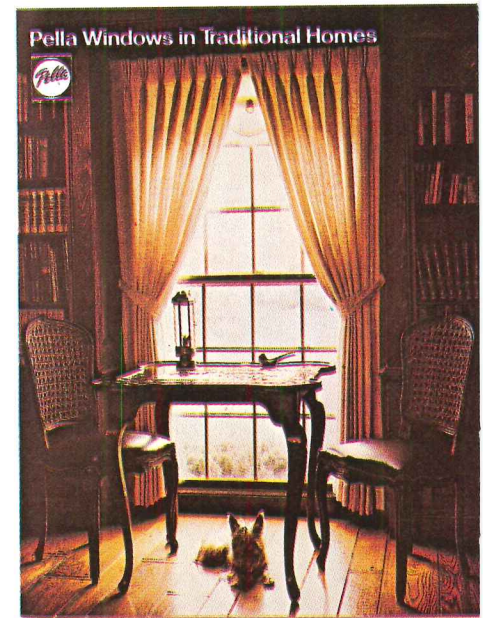
Light Construction — illustrates how Pella Windows and Sliding Glass Doors contribute to the architectural theme of a variety of building styles.



High-Rise Buildings — Pella Clad Windows combine the beauty of wood inside, with the low maintenance of aluminum outside.



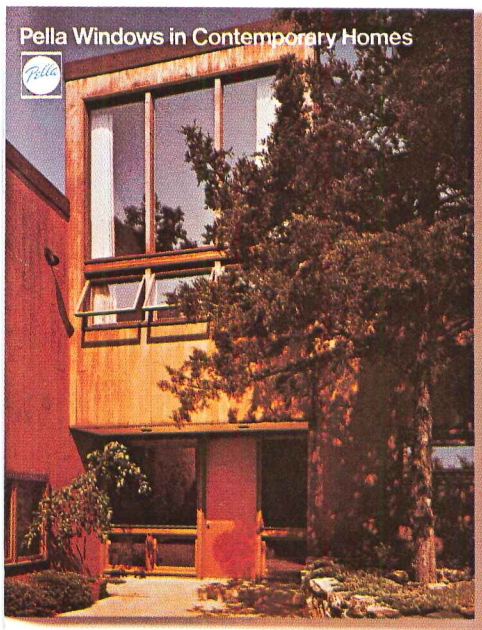
Health Centers—Pella Windows help health centers, hospitals, and homes for senior citizens project a feeling of comfort and security.



Traditional Homes — Pella takes a close look at the types of windows best suited to the traditional home.

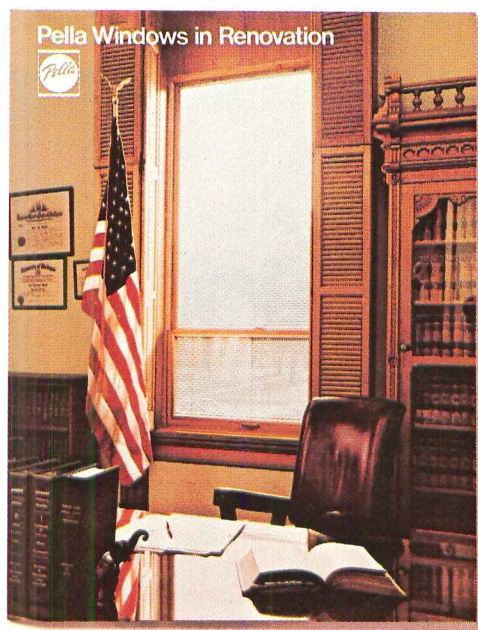
**If it involves windows and doors
Pella has written the book.**

Free for the asking.



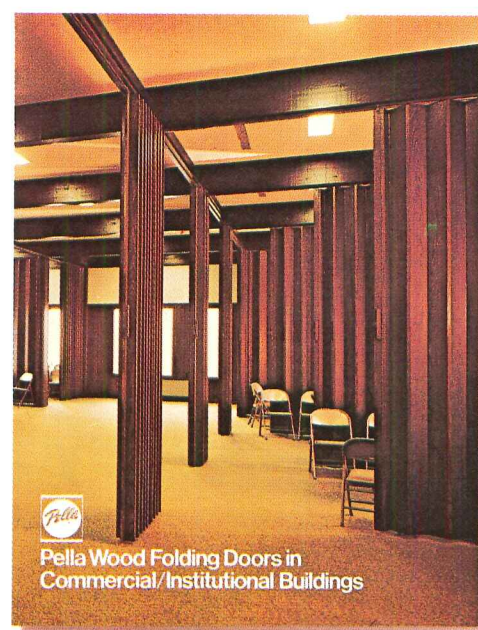
Pella Windows in Contemporary Homes

Contemporary Homes — shows how our window styles work equally well with a wide array of contemporary architectural designs.



Pella Windows in Renovation

Commercial Renovation — Pella Windows can help preserve the original character and dignity of elderly court houses, hospitals, office buildings.



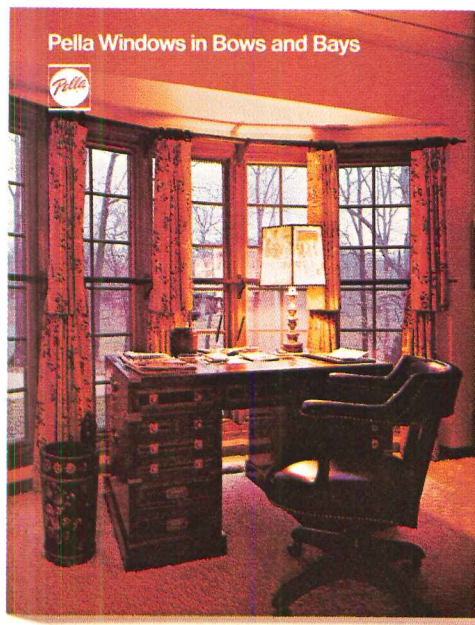
Pella Wood Folding Doors in Commercial/Institutional Buildings

Folding Doors in Commercial/Institutional Buildings — attractive, functional, durable... Pella Folding Doors close off or divide space beautifully.



Pella Wood Folding Doors in Homes

Folding Doors in Homes — use Pella Wood Folding Doors and save the cost of dropped readers and stub walls on your next project.



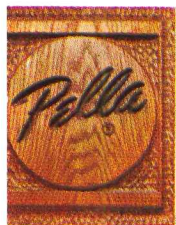
Pella Windows in Bows and Bays

Bows and Bays — these arrangements are an important architectural element. This brochure contains a good selection of classic examples.



Pella Sliding Glass Doors in Homes

Pella Sliding Glass Doors in Homes — provide the drama of floor-to-ceiling glass along with weathertightness and smooth operation.



Free Library of Pella Idea Booklets — This up-to-the-minute collection of our very latest 6-page brochures contains over 70 pages in full color. We think it's the kind of reference material you'll find helpful time and time again. It's yours free and without obligation. Simply fill in and mail the coupon today.

© 1976 Rolscreen Co.



NAME _____

FIRM _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

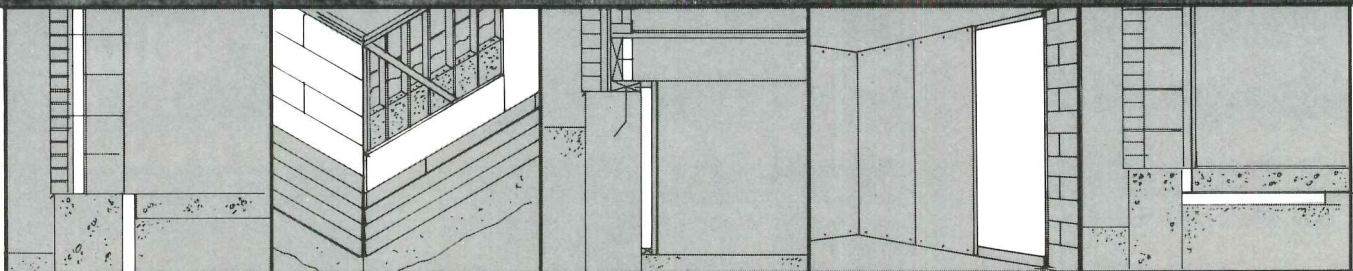
TELEPHONE _____

Mail to: Pella Windows & Doors, Dept. T30E8
100 Main St., Pella, Iowa 50219

This coupon answered within 24 hours.

Styropor® EPS

The insulation that's available and makes
your homes more saleable.



Cavity Wall

R+ Sheathing

Crawl Space

Drywall Base

Slab Insulation

There is no shortage of EPS insulation products made of Styropor® expandable polystyrene. They are immediately available from over 100 manufacturers in 41 states coast-to-coast.

They are available in the sizes and thickness, and with the joint details and special membranes you need for minimal installation costs; including R+ exterior sheathing, cavity wall insulation, insulated entry doors, slab and crawl

space insulation, insulated floor or ceiling boards, interior wall insulation for frame or masonry, backer board for vinyl or aluminum siding, masonry fill, insulated roofing systems and even pre-fabricated structural panels.

If you want to keep your jobs moving, write for the names of Styropor EPS insulation manufacturers near you. *Call Sweet's BUYLINE number or see us in Sweet's General Building File.*

Styropor® EPS

BASF Wyandotte Corporation
Styropor Division
1609 Biddle Avenue
Wyandotte, Michigan 48192

BASF



For more data, circle 21 on inquiry card

Styropor EPS board is combustible; consult the board manufacturer for application recommendations.



Explore inner and outer space.

Everywhere you turn today, the natural look is in.

That's why more and more designers, builders and homeowners are turning to the natural beauty of Inland Red Cedar for the look they're after.

Incredibly durable, with excellent weathering qualities, kiln-dried Potlatch Inland Red Cedar offers a continuing reward for those who choose it. For siding. Paneling. Fascia. Trim.

Next time you're thinking of building...think cedar...Potlatch Inland Red Cedar. Your regular supplier will be happy to help you to explore the possibilities.

Potlatch Corporation, Wood Products, Western Division
P.O. Box 5414, Spokane, WA 99205 (509) 455-4280

We grow the wood that works. For you.

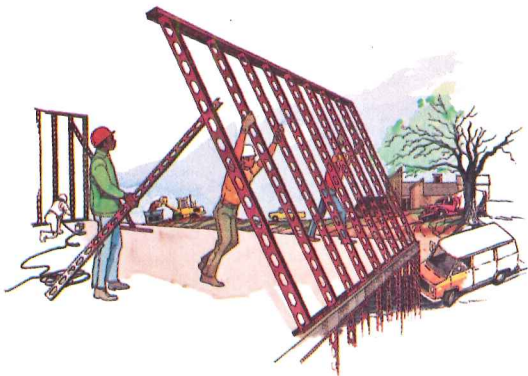
Potlatch

Inland Red Cedar

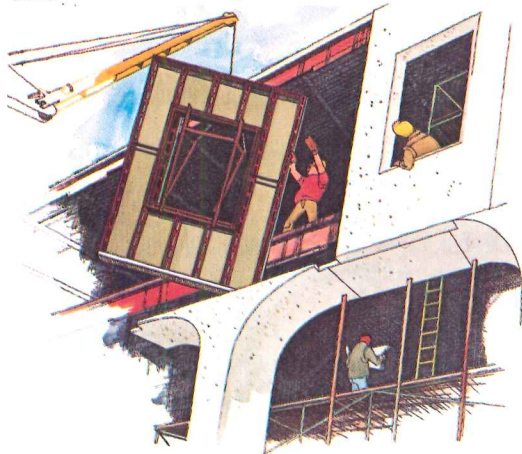
For more data, circle 22 on inquiry card

GET MORE THAN JUST PRODUCT.

Specify Inryco/Milcor[®] Steel Framing Systems



Structural components included in Inryco/Milcor steel framing systems can support the entire weight of buildings up to five stories high. Components are frequently pre-assembled for installation in large sections to save construction time.



Prefabricated steel framing assemblies with exterior facing applied provide lightweight, easy to handle panels that speed curtain wall installation. Framed openings are incorporated. Curved or angled shapes are easily executed.

You'll get an honest appraisal of the suitability of steel framing for your project.

The versatility of our light structural steel components (steel studs and joists) makes them suitable for almost any wall or floor condition... with savings in time and costs, plus other desirable advantages. We'll review your projects in detail and show you how these benefits can apply. If our products will not suit your proposed application, we'll tell you so.

You'll get unexcelled design assistance when you need it.

Our experienced engineering staff furnishes design consultation and assistance on hundreds of projects each year... reviewing plans, detailing efficient solutions for complicated conditions, calling attention to over-design or under-design of specified systems.

You'll get experienced counsel for your framing contractor.

Through longtime involvement in both construction and manufacturing, Inryco has become the recognized leader in the steel framing field. We've worked closely with steel framing contractors to develop system innovations and improvements in fabrication and erection techniques. We stand ready to assist your contractor in developing proper framing construction techniques to help you achieve the maximum benefits of our systems.

Consider our systems and services for your next project.

Other companies manufacture and sell steel studs and joists. None have the experience, capability or desire to provide the extras you get from Inryco. Please review the information on Inryco/Milcor Steel Framing Systems in Sweet's Architectural File (section 5.3/In) or Light Construction File (section 5.3/Inr). Then give us a chance to discuss their application to your projects by contacting:

Milcor Division, INRYCO, Inc.; Dept. E-4033; P.O. Box 393; Milwaukee, WI 53201.



Inryco

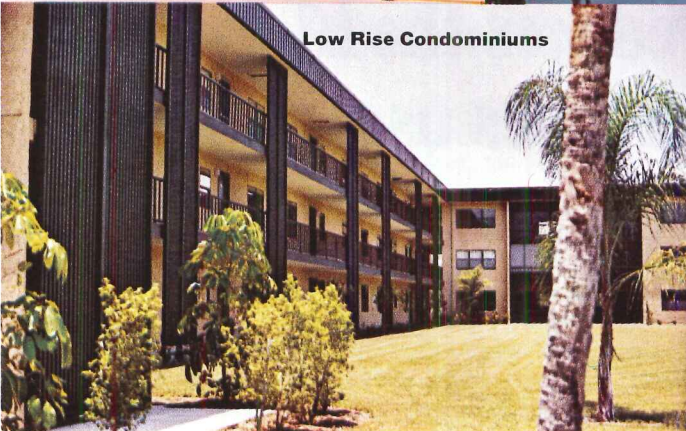
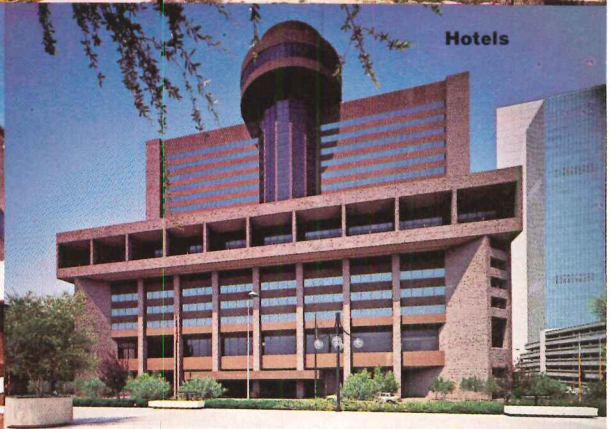
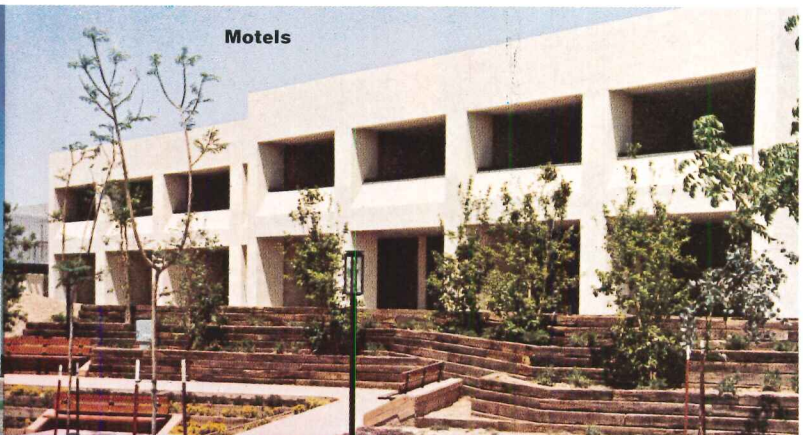
an Inland Steel company

General Offices - Melrose Park, Illinois

A7-37-1

For more data, circle 23 on inquiry card

**Typical applications...low rise and high rise...
residential, commercial, institutional, industrial**





Heatilator Fireplace reduces the high cost of installation and increases useable heat.

It reduces installation time. In less than one day a carpenter can set the fireplace into position and assemble the quick-locking chimney system. The Heatilator Fireplace can be installed almost anywhere, which means you can design your houses to meet any customer's taste.

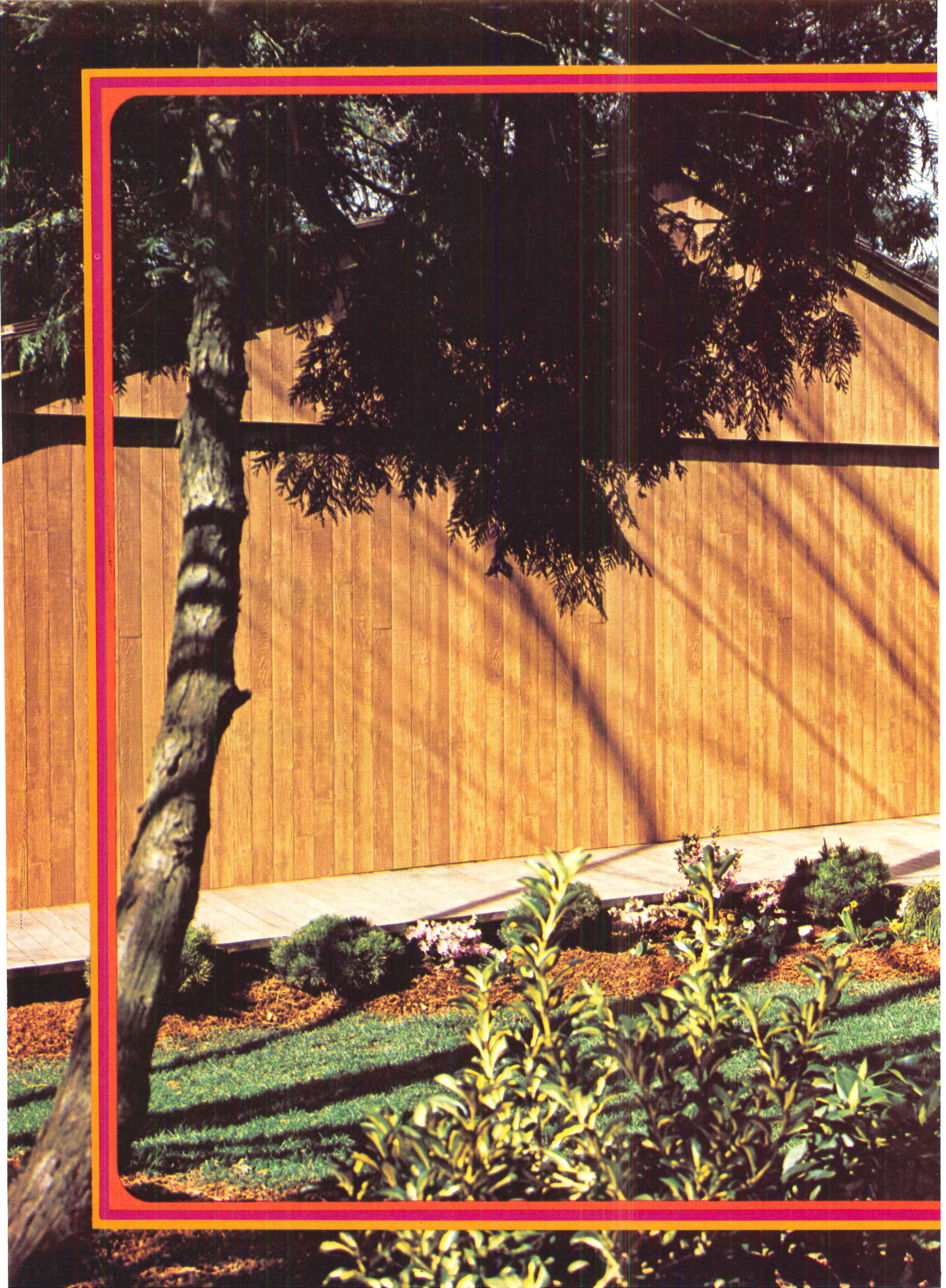
It reduces your cost. A real wood-burning Heatilator Fireplace can be installed for less than ½ the cost of a traditional fireplace. It requires no additional floor supports, thus giving you location flexibility while saving you money.

It increases heat-efficiency. As energy-conserving houses become more and more in demand, the added feature of a heat-circulating Heatilator Fireplace provides your home buyers with a more efficient supplemental heat source. It also adds greater resale value to their home.

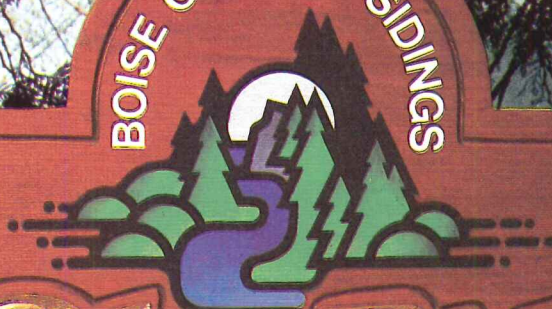
It's guaranteed. Heatilator Fireplaces are precision engineered in design to be smoke-free. Each built-in Mark 123 fireplace also comes complete with a 20-year guarantee on materials and workmanship.

For detailed information: write Heatilator Fireplace, A Division of Vega Industries, Inc., 1987 W. Saunders Street, Mt. Pleasant, Iowa 52641. Or, call our toll-free number: **800-553-8905**. (Iowa residents call collect: 319-385-8880.)

heatilator[®]
AMERICA'S LEADING FIREPLACE SYSTEMS



BOISE CASCADE SIDINGS



Cedar Ridge

'Til now, there wasn't a siding in the world
that looked at home on so many kinds of houses.

'Til Cedar Ridge.

The new hardboard siding that gives you
the best of genuine cedar. All the warmth, all the
real wood character it takes to make people
feel at home. In any house.

Cedar Ridge.



Boise Cascade Timber and Wood Products Group

St. Louis Park, Minnesota 55426

For more data, circle 26 on inquiry card.

BEAUTIFUL. AND THE TOUGHEST THING FROM PITTSBURGH. WHEN THE STEELERS AREN'T AROUND.

We're talking about DURANAR® Extrusion Coatings. From PPG.

They're tough as a fluoropolymer coating can be.

And as beautiful.

The building: new Eastern Zone Office, Zurich-American Insurance Company, Mt. Laurel, N.J.

The problem: make it striking and beautiful. And keep it economical and easy to maintain.

The solution: lots of crisp white metal panels accenting sparkling glass. Panels of aluminum finished with DURANAR Extrusion Coatings from PPG.

The reason: DURANAR coatings are a two-coat system based on KYNAR 500* fluoropolymer resins. When this highly inert resin is combined with special PPG pigmentation and formulation you get a superior coating that is extremely resistant to chalking and ultraviolet deterioration.

It effectively resists weathering, as well as the action of industrial acids, alkalis and salts.

When properly applied, it will resist chipping, peeling and flaking. Normal commercial cleaning solvents may be used without harmful effects.

In addition, DURANAR coatings are exceptionally flexible and color-fast. They come in low and semi-gloss finishes with excellent color uniformity over a wide range of standard and custom designed shades.

As for durability, it's probably a DURANAR coating's strongest point.

*KYNAR 500 is a registered trademark of Pennwalt Corporation.

Accelerated exposure and weathering tests indicate that they are PPG's top of the line for film integrity, color retention and adhesion to properly pretreated and primed metal substrates.

There's more you'll want to know, and there's more we want to tell you. For the whole story, see the DURANAR section of Sweets Architectural or Industrial File 9.10/PPG. Or write to Market Manager, Extrusion Coatings, PPG Industries, Inc., Dept. 16W, One Gateway Center, Pittsburgh, PA 15222.

PPG: a Concern for the Future

Extrusion
Coatings



INDUSTRIES

3A11

ZURICH-AMERICAN
INSURANCE CO., Mt. Laurel, NJ.
ARCHITECT: Gruen
Associates, New York, NY.
EXTRUSION FABRICATOR:
Albro Metals, New York, NY.
EXTRUSION APPLICATOR:
Porce-Len, Inc., Hamden, CT.



Deltique™ from Delta.® A sell-up look at a down-to-earth price.



When you add Deltique to your bathrooms, you automatically add more value. And more second looks from buying prospects looking for distinctive, quality features.

Because with Deltique, you can feature any one of 16 high-style, washerless decorator models from Delta that don't feature a high price tag.

You get unique designer faucets finished in stunning antique brass. Crafted with deep, sculptured detail or with smooth, subdued styling. And all designed to upscale any bathroom or lavatory with a look that says expensive, but isn't.

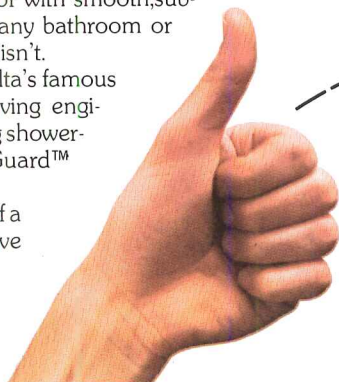
And Deltique keeps on selling. With Delta's famous washerless dependability. Modern water-saving engineering. And with extra features like pulsating showerheads, push-button diverters and Scald-Guard™ safety measures in the bath.

So when you want to step up the value of a new home, condominium or older home, give your bathrooms another look. A sell-up look.

Specify Deltique, the decorator faucets made affordable by Delta.

To find out how the entire Deltique Collection can work out beautifully for you, write for our free, full-color literature.

Specify Deltique, the decorator faucets made affordable by Delta.



DELTA & DELEX FAUCETS

No washers • No washer worries

Delta Faucet Company, Indianapolis, Indiana 46240.
A Division of Masco Corporation of Indiana.
© 1978 Copyright. Masco Corporation of Indiana.

For more data, circle 28 on inquiry card

Not all Roof Tiles are Round and Red

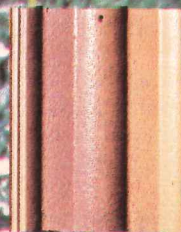
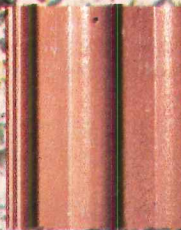


Monray Roof Tiles...

Can be Subtle and Softly Colored

Can Blend with any Scene

Can be as Natural as Nature



MONIER COMPANY

For more data, circle 57 on inquiry card

Corporate Offices: P.O. Box 5567 • Orange, CA 92666 • 714/538-8822
Production Centers: ARIZONA, CALIFORNIA, FLORIDA, HAWAII, TEXAS

All we ask for is a corner of your mind when you specify these basics.

You may be familiar with Powers mixing valves. Or Fiat mop basins. But you may not know that there's a Powers-Fiat line of basics that go into most buildings.

Instead of spending time flipping through different catalogues looking for items related to plumbing, you can get what you need from one source. Us. Powers-Fiat.

We make everything from toilet partitions to sophisticated high-temperature alarm sensors. And a lot of other products in between.

We realize these aren't the glamorous parts of any build-

ing. Which is why we don't expect you to spend a lot of time considering them. Which is also why we want just a corner of your mind when you do specify.

Take a look at our line. If you want more information, ask your Powers-Fiat representative. Or write to: Bob Bachman, Sales Manager, Powers-Fiat Division, Powers Regulator Company, 3400 Oakton St., Skokie, Illinois 60076.

For more data, circle 29 on inquiry card

POWERS-FIAT

A division of
Powers Regulator Company

ONE-PIECE BATHING SUITE

THERMOSTATIC CONTROLS

SHOWER FLOORS

SHOWER/BATH CONTROLS

COMMANDER SHOWERS

MOP BASINS

SHOWERTROL MULTIPLE CONTROL

DESIGN A CUSTOM ENVIRONMENT ...

			<p>There is an increasing emphasis being placed on energy efficiency in homes you're asked to plan. With Honeywell Fuel Saver Thermostats, you can design a system that conserves energy, saves on fuel bills.</p>
	<p>In carefully planned custom homes, the comfort system is a necessary consideration in your total building design. With Honeywell Electronic Air Cleaners, quality indoor climate control need no longer be considered a luxury.</p>		

Your clients need Honeywell comfort in their custom homes.

The Honeywell Electronic Air Cleaner Provides Fresher Air. All the Time. Creates a more comfortable atmosphere in your homes with the Honeywell Electronic Air Cleaner. By removing up to 95% of the airborne pollution particles such as dust, soot, pollen, tobacco and cooking smoke from the air, an Electronic Air Cleaner will provide fresher air for your clients. And with Honeywell electronically cleaned air, the need for extensive redecorating, painting, papering and dry cleaning will be cut in half, saving your client time and money.

The Honeywell Fuel Saver Cuts Fuel Bills. Twice-A-Day. The Fuel Saver is a Honeywell Chronotherm Dial Set Thermostat. It lowers heat at bedtime.

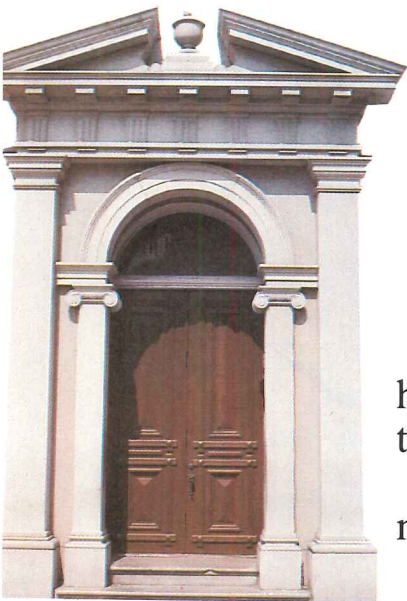
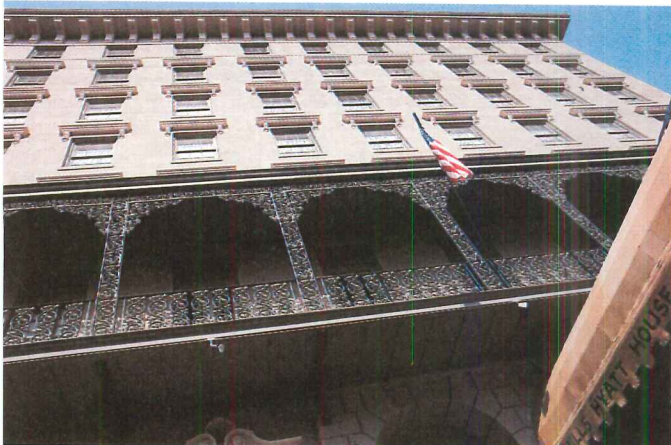
Then raises it in the morning to fit any schedule. Automatically. Set one temperature for days, another for nights. Twice-a-day setback offers your clients operational savings of up to 28% on fuel bills. With comfort.

Let Honeywell Help You

With clean air and fuel saving design innovations in your homes, you'll offer your clients both comfort and efficient operation today and for the future. So let us show you how to incorporate these systems into your current custom home designs. Write us at Honeywell, Honeywell Plaza, MN12-2118, Minneapolis, Minnesota 55408 today!

Honeywell

For more data, circle 30 on inquiry card



We helped Charleston look old before its time.

Charleston, S.C. is dedicated to the old look. When a building requires restoration and protection, architects like Simons, Mitchell, Small, and Donahue specify Thoro System Products.

The Mills Hyatt House was torn down and completely rebuilt to look like the original Mills House.

The Citadel, City Hall, individual homes, public and private buildings stress the rough texture styling of a bygone era.

Thorite is used for patching and filling blistered and honeycombed concrete.

Thoro Seal Plaster Mix fills and seals

holes and voids with a heavy-base cementitious coating — not a thin paint film.

Acryl 60 adds bonding, integrally, improving mechanical properties and adhesion.

Thorosheen is the masonry paint which is specifically formulated to withstand exposure.

An ideal color finish for any project.

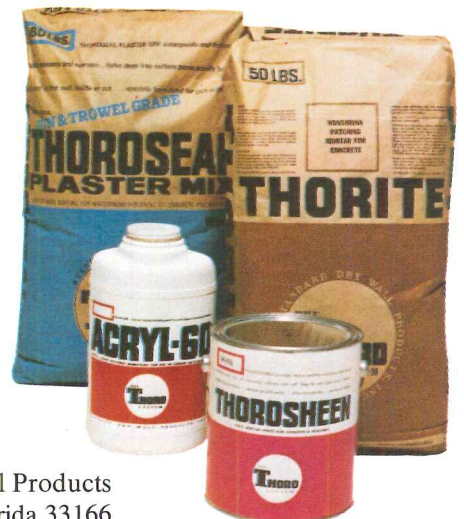
For waterproofing, restoring, protecting and correcting concrete and masonry, specify Thoro System Products.

For information write for circular #71. Or write, detailing your specific problem.



Acryl 60, Thorite, Thorosheen and Thoro Seal are Registered Trademarks of Standard Dry Wall Products.

**THORO
SYSTEM
® PRODUCTS**



Standard Dry Wall Products

Dept. AR 785, 7800 N.W. 38th St., Miami, Florida 33166

See us at the AIA Convention, Booth #211.

For more data, circle 31 on inquiry card

ARCHITECTURAL RECORD HOUSES OF 1978 35

CARclad™

an exciting new way to reduce exterior maintenance, save energy, and yet let homeowners decorate interiors as they please.

clad aluminum outside— weather-resistant non-corrosive finish in low-maintenance, chestnut bronze or white.

total-perimeter weatherstripping provides weathertight seal around entire window.

environmental tinted insulating glass cuts heat loss through the glass in half and reduces harmful sun rays that ruin drapery, carpet and upholstery.

vinyl gaskets cradle insulating glass and form leak-proof, weathertight seal.

wood's natural warmth inside— nature's best insulator and energy saver: warm to the touch and pleasing in appearance.

CARclad™

the new low-maintenance
energy-saving windows
from the new
Caradco.



CARclad casement windows:
low-maintenance aluminum outside,
energy-saving wood inside.

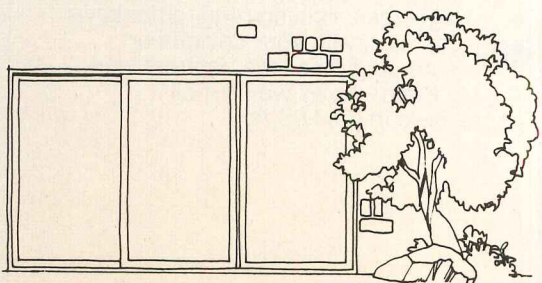
CARclad is the totally engineered window, a combination of design achievements that let you provide:

Low-maintenance exterior of tough, weather-resistant, non-corrosive, color-fast aluminum cladding.

Energy conservation. Environmental tinted insulating glass cuts heat loss through glass in half and reduces harmful sun rays that ruin drapery, carpet and upholstery. In addition, a complete new weatherstripping system is used to seal the window to exacting weathertight standards when it's closed and locked. And the thermal-barrier nature of wood insulates as no other window material does.

Decorating choice inside. The all-wood interior, warm in touch and appearance, permits personal decorating choices.

CARclad offers a choice of smart new casement windows, awning windows and patio doors. Ask your Caradco representative how CARclad can be a most valuable, fashionable and functional part of your plans for new homes.



CARclad patio doors combine wood and aluminum to give the same low-maintenance, high-fashion, energy-saving features of CARclad windows, with the added comfort of tempered, tinted insulating glass, interlocking weatherstripping and a thermal-barrier sill. Plus added safety, with a heavy-duty bolt security lock standard at no extra cost.

**Saves
energy
naturally**

**Caradco
Window and Door Division**

Scovill

Caradco

Rantoul, Illinois 61866

For more data, circle 32 on inquiry card

SOMETHING TO THINK ABOUT BEFORE YOU SPECIFY YOUR NEXT FIXTURE

KOCH+LOWY INC.
THE PAST, PRESENT, AND FUTURE
OF MODERN LIGHTING

Showrooms:
New York • Chicago • Los Angeles
San Francisco • Dallas
Atlanta • Miami • Cincinnati

940 Third Ave., New York 10022 • 1245 Merchandise Mart, Chicago, Illinois 60654 • Pacific Design Center, 8687 Melrose Ave., Los Angeles, Calif. 90069

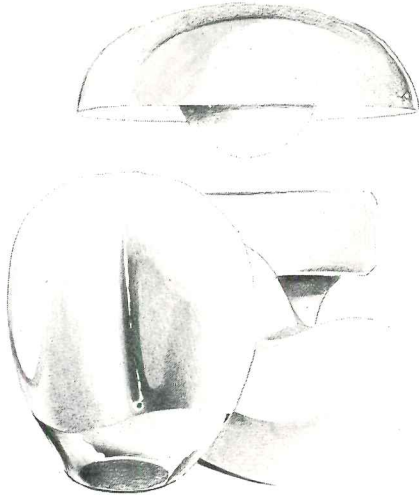
The Chrome Finish

There's only one right way to get a good, durable chrome finish on steel, and that's by applying a layer of copper and a layer of nickel under the chrome. With each layer thoroughly buffed before the next is applied. This kind of quality gives Koch + Lowy chrome lamps a deeper, richer color and a smoother longer-lasting finish.



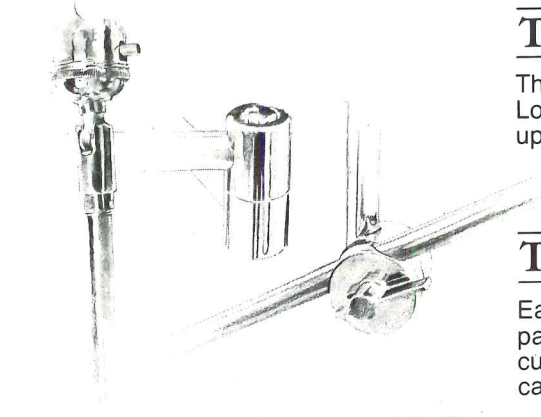
The Brass Finish

Koch + Lowy lamps that look brass are brass. Thirty-one years of experience has taught us how to slow the natural brass tarnishing process. We coat the polished brass with a special clear lacquer, and then bake it to a hard finish.



The Glass

All glass used in Koch + Lowy lamps is hand-blown. This allows for specialized design. And subtle nuances of texture, tone and color in the glass itself. Obvious quality your clients will see and recognize.



The Swivel

Koch + Lowy swivel lamps have a superb enclosed swivel. With all parts of solid brass. Completely machined so they're free of sand holes and cracks. Koch + Lowy swivels are virtually indestructible. They will never sag, droop or flop. Never need adjustment. And they are noiselessly-smooth thanks to nylon seating-rings. One more reason why Koch + Lowy lamps are a lifetime value. As functional as they are beautiful.

The Wiring



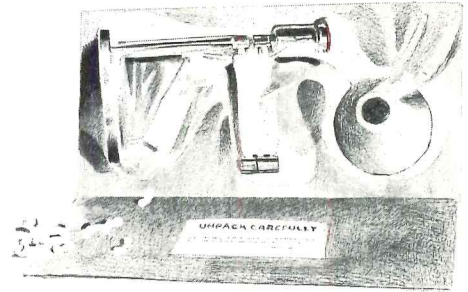
You can't make a quality lamp with substandard wiring. So all our wiring, sockets, switches and connectors meet and often exceed UL standards.

The Heft

The quality that goes into every Koch + Lowy lamp can be felt when you pick one up. Try the "heft-test" against one of our competitors. Feel which is heavier. Then judge for yourself.

The Arrival

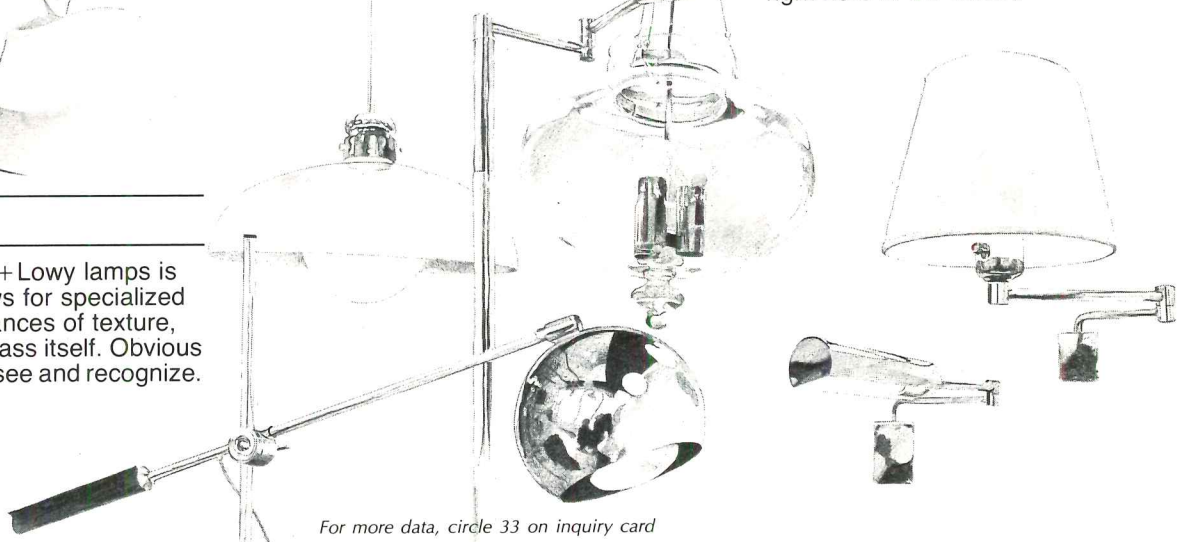
Each Koch + Lowy lamp is specially packed in foam, shrink-wrap or other cushioning material. Then they're carefully boxed and shipped.



A Final Reminder

Don't confuse wattage with lighting. In the right lamp even 30 watts can provide sufficient lumens for reading. Proper lamp design can utilize the wattage to its fullest. For brightness. For special effects. Or as an art form. And no one does more with lighting than Koch + Lowy.

The Koch + Lowy collection of classic lighting is designed to coordinate with traditional and contemporary decor. Inspect it at our showrooms around the country or write under your letterhead for our 136 page catalogue. For your special large-scale lighting requirements we can start with your designs or ours, and do all the contract work. At Koch + Lowy we do it all right here in the U.S.A.



For more data, circle 33 on inquiry card

Close it sooner...



with Clopay

The face you present is the face that sells. Just think how much of it is in garage doors. Up to a third!

So, the right overhead garage door really does make a house move faster.

What makes a garage door right?

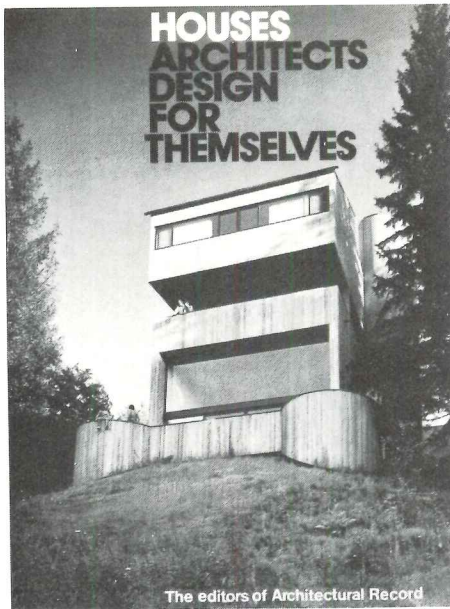
The right garage door comes with a wide range of styles at a realistic price. The right garage door is made with consistent quality.

The right garage door comes with first-class service and dependable delivery. The right garage door is made by Clopay.

To find out what's behind Clopay's garage doors, check with your nearest distributor. Or contact Clopay direct. And move...with Clopay!

 **CLOPAY** Overhead Door Division
For more data, circle 34 on inquiry card

Factories: ● Hialeah, Florida 33010 ● 745 West 18th Street, (305) 887-7486
● Russia, Ohio 45363 ● 101 Miller Road, (513) 526-4301 ● Cerritos, California 90701 ● 13855 East Struikman Road, (213) 921-2537
● Orlando, Florida 32809 ● Rt. 1, Box 151-A, (305) 851-9570 ● Ada, Oklahoma 74820 ● A.I.D.C. Industrial Park, 2300 B. Street, (405) 436-3600
● Ludlow, Vermont 05149 ● Pleasant Street Extension, Dean Brown Industrial Park, P.O. Box 235, (802) 228-8861
Executive Offices: ● Clopay Square, Cincinnati, Ohio 45214, (513) 381-4800



...ideas that reflect what you want, perhaps the way you want to live.

A handpicked collection of 61 beautifully designed houses by architects for their own use.

This extraordinary new and exciting book explains in the architect's own words, how each faced and solved their own home building needs, desires, and problems.

Using photographs (many in full-color), floor plans and site plans, each architect/owner describes the complex factors that determined his own design—site, budget, family needs, preferences, etc.—and shows how the plans evolved and were carried through to completion.

The houses cover all price levels and styles, ranging from traditional to experimental, from new country home to remodeled city dwelling; some having special and seldom-seen custom features; often solving difficult legal, construction, site or other design problem.

Each stimulating design is taken from planning stage to lived-in finish, and as such will be of immense help to all about to undertake a home building or remodeling effort, and to all interested in or involved in housing design.



To order your copy now, use the handy tear-off coupon below, or write Architectural Record Books, Department C, 1221 Avenue of the Americas, New York, New York, 10020.

— Order your own copy now with this handy coupon. —

Architectural Record Books, Dept. C, 03K-540-4005-3
1221 Avenue of the Americas, New York, N.Y. 10020

Please send me ___ copy (ies) of HOUSES ARCHITECTS DESIGN FOR THEMSELVES @ \$19.95 each. Send to:

Name _____

Address _____

City _____ State _____ Zip _____

I have enclosed payment.

Bill me.

Add sales tax where applicable

AR-RH-78

SUNGRAIN OAK™



They're going to love the cabinets. You're going to love the prices.

With the new Long-Bell® Sungrain Oak cabinets, you can give your clients the fresh European look they want in a modern kitchen. And you can give yourself something nice as well:

- A reasonable price.
- Modular Sungrain Oak cabi-

nets are fully assembled and pre-finished for quick installation from the carton to the wall. And they're priced lower than custom-made cabinets.

Which simply means that while you're impressing your client with a look that can't fail and quality that won't quit, you're also saving money...

staying within budget. Or using the savings somewhere else to make the home or condo even more attractive.

So get the contemporary style people want at a price you're going to like. Find out about Sungrain Oak. A great new Long-Bell cabinet.

- Please send me complete information on the new Long-Bell Sungrain Oak line.
- Please have a representative call.
- I am an
 - Architect
 - Builder
 - Developer
- Other _____

Name _____

Firm _____

Address _____

City _____ State _____ Zip _____



**INTERNATIONAL
PAPER
COMPANY**

CABINET DIVISION
P.O. BOX 8411, DEPT. 898
PORTLAND, OR 97207

For more data, circle 35 on inquiry card



We'd like to make everything perfectly clears.

Some people just can't figure out why we're so enthusiastic about Simpson Redwood Clears. Let's face it, some people don't even know what they are.

We hope these pictures clear things up.

If they're anything, Simpson Redwood Clears are versatile. No other grade of redwood offers so many options: rough or smooth textured surfaces, a variety of patterns and a great selection of wide widths. The contrasting mix of heart and

sapwood gives every board its own unique character. Clears offer the builder and designer appearance options ranging from dramatic zebra stripes to subtle texturings.

And Clears still retain redwood's traditional advantages. In fact, Simpson Redwood Clears are the most economical way to purchase kiln-dried knot-free redwood. Anywhere. Specify Clears for exterior siding, interior paneling, fascia, trim, even decks and outdoor furniture.

Whatever your project, there's a place in it for Clears. For more information just write "Clears" on your business card and send it to Simpson Timber Company, 900 Fourth Avenue, Seattle, Washington 98164. We'll get back to you with some clear choices you can specify.

Redwood Clears
Simpson

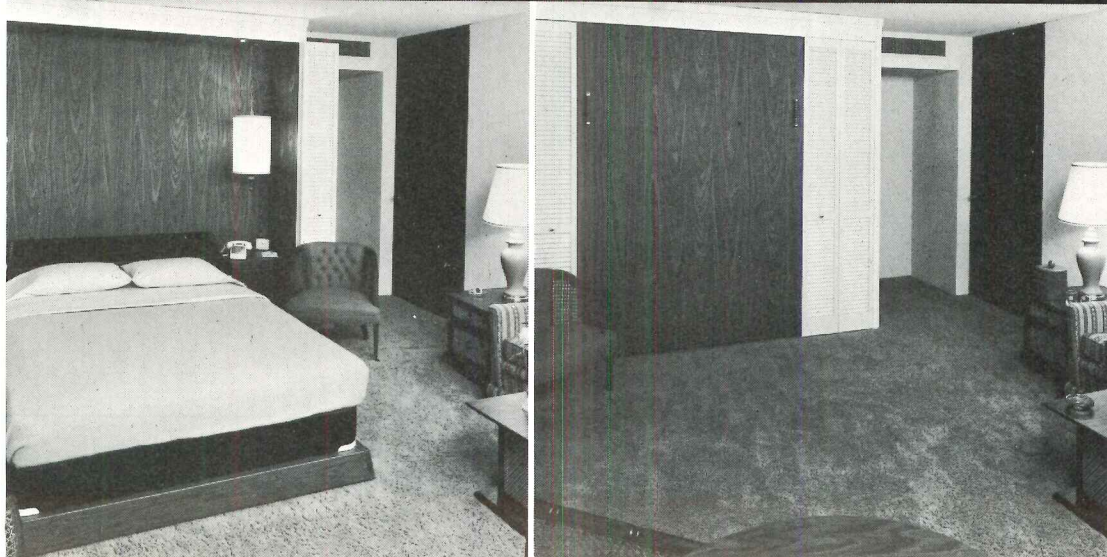
For more data, circle 36 on inquiry card

**Imagine how much
extra, usable floor space
there would be in the world**



**if all the beds
got up in the morning
like you do.**

SICO® Wall Beds—when floor space that is used at night for sleeping, is needed for better things by day.



FREE CATALOG! For complete information on the bed that gets up in the morning like you do, fill in the coupon and mail today!

NAME _____

COMPANY _____ TITLE _____

STREET _____

CITY _____ STATE _____ ZIP _____

PHONE _____

(Your inquiry answered within 24 hours.)

Mail to:
SICO Incorporated
Special Markets Division,
AR-5 P.O. Box 1169,
Minneapolis, MN 55440



Phone: (612) 941-1700
Cable: WILSICO

For more data, circle 37 on inquiry card



The more you insulate, the more you need Andersen.

Almost everyone agrees on how important insulation is to saving energy.

But what about quality windows? How important are they?

Andersen® Perma-Shield® windows, for instance, can help insulate where heat loss might otherwise be the greatest—in the window area itself.

In a one-story house they may save nearly as much energy as *6 inches of additional ceiling insulation*.¹

That's because of Andersen's low air infiltration.

The windows' snug-fitting design is two times more weathertight than industry air-infiltration standards. The better to keep out drafts, and keep in comfort.

If you also include Andersen's use of double-pane insulating glass in place of old-fashioned, single-pane glass the energy savings really jump. To more than the equivalent of an *additional*

12 inches of ceiling insulation.

Add triple glazing, and the energy savings pile up still higher.

And when properly sized, shaded and oriented toward the sun, Andersen windows help save more energy. In winter they welcome the warming sun. And in summer they open to gentle cooling breezes.

All of which may allow you to bring more and larger windows into your design without increasing its energy cost.

So specify as much insulation as you need, but insist on quality windows, too. Beautiful Andersen Perma-Shield windows with double-pane insulating glass. Or with triple glazing wherever maximum energy efficiency is desired.

See Sweet's file 8.16/An. Or ask your Andersen distributor to show you the many ways to insulate with a view. Andersen Corporation, Box 12, Bayport, MN 55003.

¹Compared to windows which just meet industry air-infiltration standards in a one-story house in Denver, Colorado with 15% window-to-floor space ratio, 250 lineal ft. of crack and 6 inches of fiberglass ceiling insulation (R-19).

The Beautiful Way to Save Fuel®

Andersen Windowalls®



For more data, circle 38 on inquiry card

8121 © Copyright 1978 Andersen Corp., Bayport, MN 55008

Combine proven performance with energy conservation.

McQuay Fan Coil Systems give you energy and cost savings.

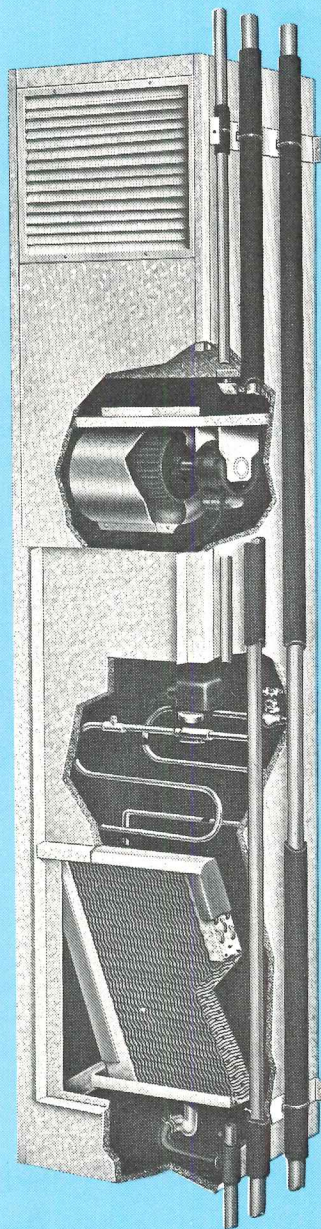
Why neglect traditional, proven air conditioning systems when considering energy conservation? Fan coil systems have been available for many years, and because of their flexibility, systems can be designed to make fan coils extremely energy conscious.

At McQuay, we have recognized this energy conservation potential for fan coil systems. In addition, we have been concerned with reliability and life cycle costs. Our Hi-Line Seasonmaker Fan Coil Air Conditioning System has it all.

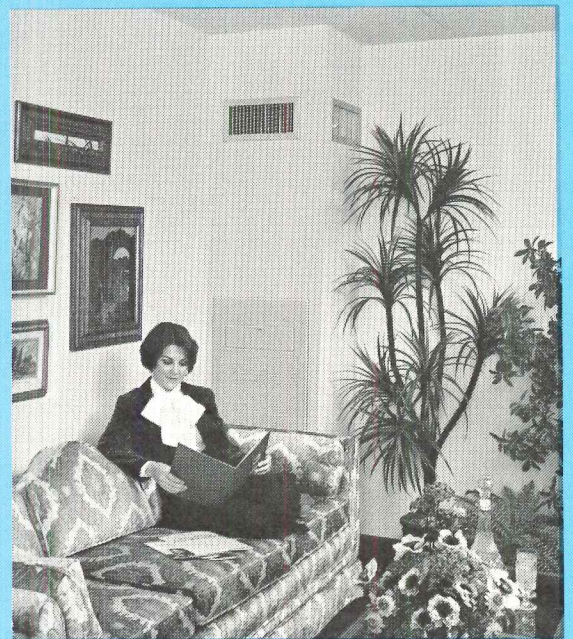
We've redesigned the unit to produce the widest range of CFM's—up to 1200—at the lowest kW consumption. But we preserved the proven features that built Seasonmaker's reputation for dependable, economical performance.

Still the same installed cost savings of 15% and more. Just stack the units, sweat the factory supplied couplings together and connect the power. Still the same versatility of discharge arrangements that allow you to service one room or many with a single unit. Still the same simple maintenance.

Design flexibility, reliability, life



cycle cost savings. What you'd expect from McQuay. Before your next job—whether it's new construction or retrofit—apartment, hotel or office building, contact your McQuay rep, or write us for more details on Hi-Line Seasonmaker fan coil units. Write McQuay Group, McQuay-Perfex Inc., P.O. Box 1551, Minneapolis, Minnesota 55440.



**McQUAY
GROUP**

McQUAY-PERFEX INC.®

P.O. Box 1551, Minneapolis, MN 55440



Alcan Planar[®] Ceiling: Versatility challenging the ear as well as the mind's eye.

Aesthetics. Acoustics. Economy.

Seldom will the architect find products serving all three qualities so well as this Alcan Planar Ceiling System. A clean, simple, linear construction offering virtually unlimited design potential in a tremendous range of applications — indoors and out, for commercial, institutional, even residential buildings.

Case in point; the auditorium of the Three Tuns School, Fort Washington, Pa., designed by John Carver Associates, Architects, of Philadelphia.

The narrow dimensions of this auditorium, combined with a design allowing additional seating in the rear lobby area, presented potentially severe acoustical restrictions. Versatile Alcan Planar presented a solution.

A series of 17-foot curvilinear ceiling sections achieved a radial sloped ceiling effect, which rolls sound toward the rear of the auditorium.

Alcan Planar Ceiling Panels are rigidly held in place on aluminum carriers, specially modified for this installation. Panels are available in 16 low-gloss colors (with custom colors available on

order) to blend with most interior design schemes. And the special silicone polyester finish over aluminum provides exceptional durability, allowing dramatic exterior soffit treatments.

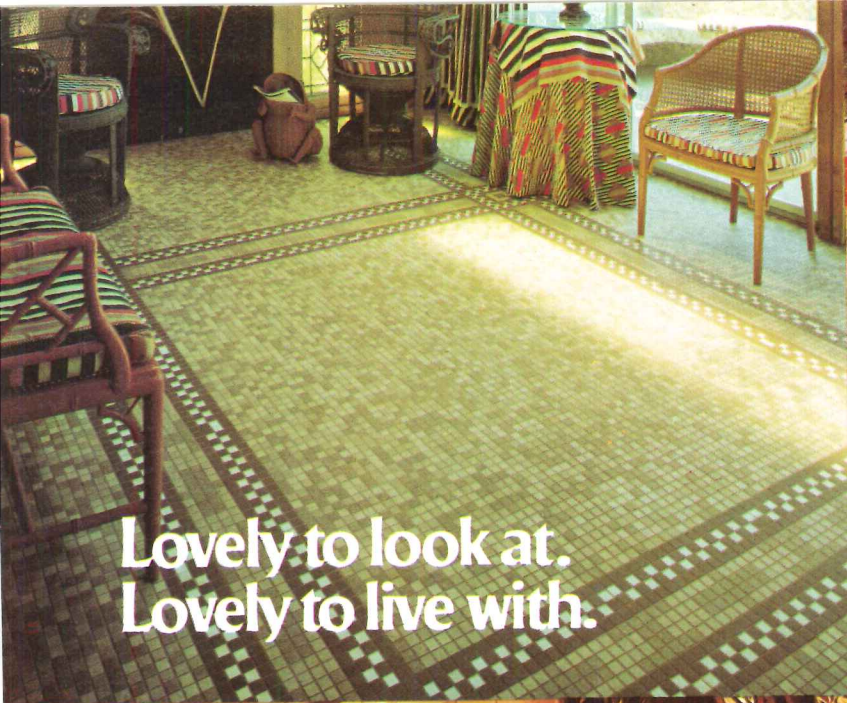
Alcan Planar is a complete system offering utmost versatility for lighting and ventilation. The incremental slots between panels allow use of many different air diffuser outlets without modification. Of course, a selection of diffusers, lighting fixtures, and other accessories, including sound-deadening materials, is available from Alcan. In all, Alcan is a single supply source for the complete ceiling installation.

This is truly a ceiling system offering the architect the ultimate in clean design, versatility in application, quality construction and value. For more complete information, please write, addressing "Planar," Alcan Building Products, P.O. Box 511, Warren, Ohio 44482.

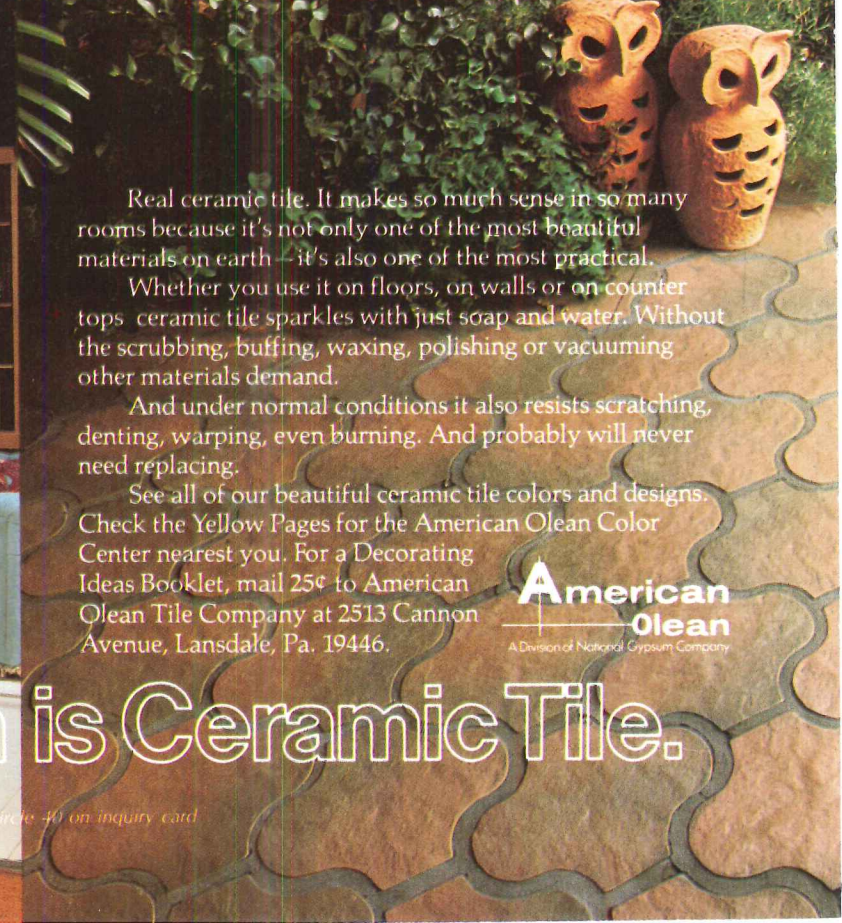
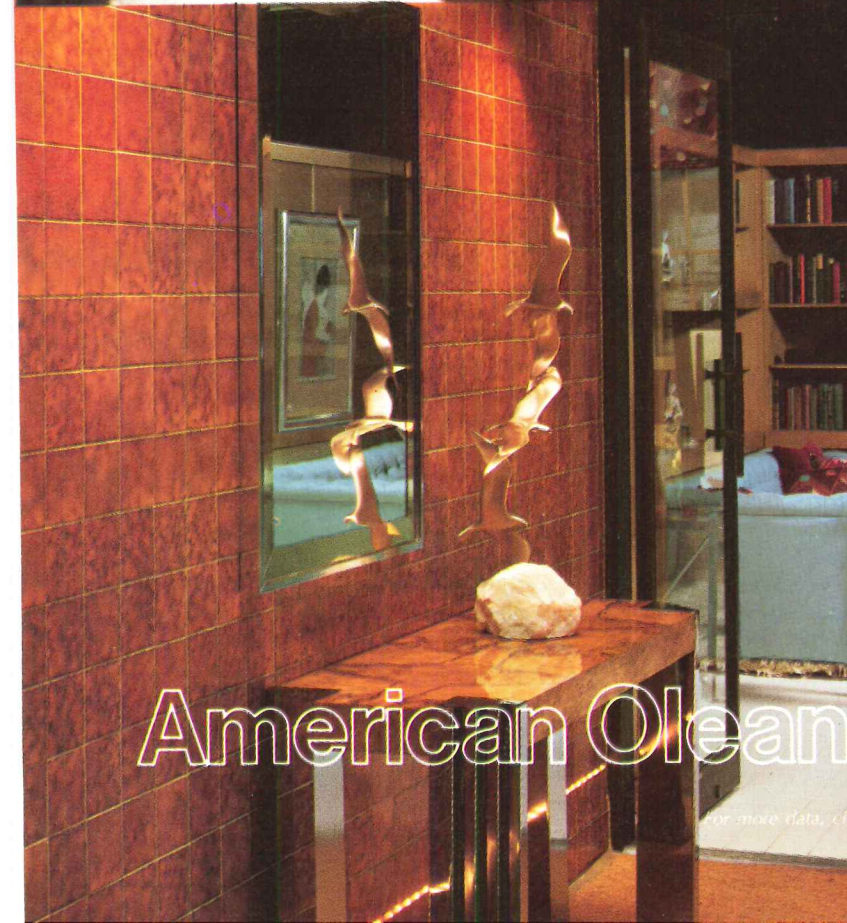
Alcan Building Products

Division of Alcan Aluminum Corporation





Lovely to look at.
Lovely to live with.



Real ceramic tile. It makes so much sense in so many rooms because it's not only one of the most beautiful materials on earth - it's also one of the most practical. Whether you use it on floors, on walls or on counter tops - ceramic tile sparkles with just soap and water. Without the scrubbing, buffing, waxing, polishing or vacuuming other materials demand. And under normal conditions it also resists scratching, denting, warping, even burning. And probably will never need replacing.

See all of our beautiful ceramic tile colors and designs. Check the Yellow Pages for the American Olean Color Center nearest you. For a Decorating Ideas Booklet, mail 25¢ to American Olean Tile Company at 2513 Cannon Avenue, Lansdale, Pa. 19446.



American Olean is Ceramic Tile.

For more facts, circle 40 on inquiry card

Record Houses

1978

"Away from mainstream Modern" may seem like one of the subthemes of this year's issue, and perhaps it is, but no reader need worry that all the old channel markers are in imminent danger of being swept away. They are not. Examples of neo-

Corbusian, Wrightian and Miesian houses appear here in surprisingly undiluted form and, more important, most of the submissions—whether selected or not—responded to widely held and long familiar feelings about visual order.

But a few of the houses come as signals and hint at something new in the air. After examining the designs by Trout Architects (page 74) or the Riley house by Moore, Grover, Harper, (page 92) the reader may well ask if vernacular—even regional—themes are reentering American residential design with increasing force. He may also note that this issue includes fewer "white boxes" in their infinite variation than earlier issues and fewer glamorous, high-style designs of any type.

What we sensed among this year's 200-plus submissions was an incipient diversity of approaches, and with this diversity a slackening interest in formalism, a gentle relaxation of design credos, and a renewed interest in solving functional and site problems directly and without fuss.

Energy concerns are apparent in most of these designs, though very few active solar houses were submitted and only one was selected. Many architects said that solar collectors of one kind or another had been considered early in design but abandoned later on for high initial costs and some reservations about efficacy. A few added that collectors are not easy to manage from the design standpoint and, owing to their own precise requirements, impose a heavy restriction on other design and planning options. In most cases, therefore, architects concentrated on tightening their details, insulating heavily, siting their houses with more care, and taking advantage of passive solar possibilities wherever they occurred.

An added thought about regionalism: if, as some believe, a new interest in regionalism is developing, and if diversity and vernacular references are two of its harbingers, then we must be as certain as possible that it is not a regionalism that carries too vividly the burdens of a remembered past—of roof forms, of plan anomalies, of finishes that once gave the buildings of an area a distinctive, homogeneous look. Nor can it be an eclectic reassembly of historical elements held together by sentiment and nostalgia, or by a hankering after times past when the valleys were more peaceful and a man's word was his bond. Was there ever such a time? Today's regionalism—if that is indeed the appropriate term—must be a hard-as-hickory regionalism based on thorough analysis of site, elevation, wind conditions, sun angles and environmental stability. It must generate its own design grammar and reflect its own unique circumstances in time and place. Perhaps most important, it must be a regionalism that stirs an emotional response that is broad, deep, and keenly felt. —*Barclay F. Gordon*

Hall House

Napa, California

Roland-Miller, Architects

The owners asked for a small, year-round house that looked and felt like a vacation house. That is exactly what they got—and more. The site is a dramatic, six-acre hillside dropping down to a creek. Overhead is an almost complete canopy of tall redwoods. Making sensible use of the limited building space and dodging tree trunks with the utmost grace, the house stacks itself into two 20- by 20-foot units connected by a split-level stair (see plans overleaf). The uppermost level contains the master bedroom and bath as well as a private deck. The middle levels include living and dining spaces, kitchen, wrap-around deck and entry. The lowest level provides an additional bedroom and large recreation space. All these elements are brought together in plan and especially in section with really extraordinary sensitivity. Nowhere is there a sense that the site has been violated or that the plan is forced in its search for accommodation with these lovely surroundings. The surroundings, in fact, are keenly felt in every space through glass walls that provide only the merest hint of enclosure. Even the roof is opened in several places to provide occupants with views directly up into the towering treetops.

Finishes in the house are simple and appropriate: glass and exterior grade plywood for most wall surfaces; painted gypsum board inside. Structural bracing is added where needed over the glass. A mild climate, coupled with almost total shading from the vertical sun, makes the extensive use of glass practical. It remains pleasant and cool in the summer. In winter heating is provided mostly by wood stove and fireplace, supplemented occasionally with electric hot water and whatever radiated heat is furnished by a low-angle sun.

It is a splendid house, crafted to the site and the needs of its owner with exemplary success.



Architects: Roland/Miller Associates
666 Seventh Street
Santa Rosa, California
Owner: Clarence and Kay Hall
Contractor: Charles Gentry
Photographer: Barbeau Engh





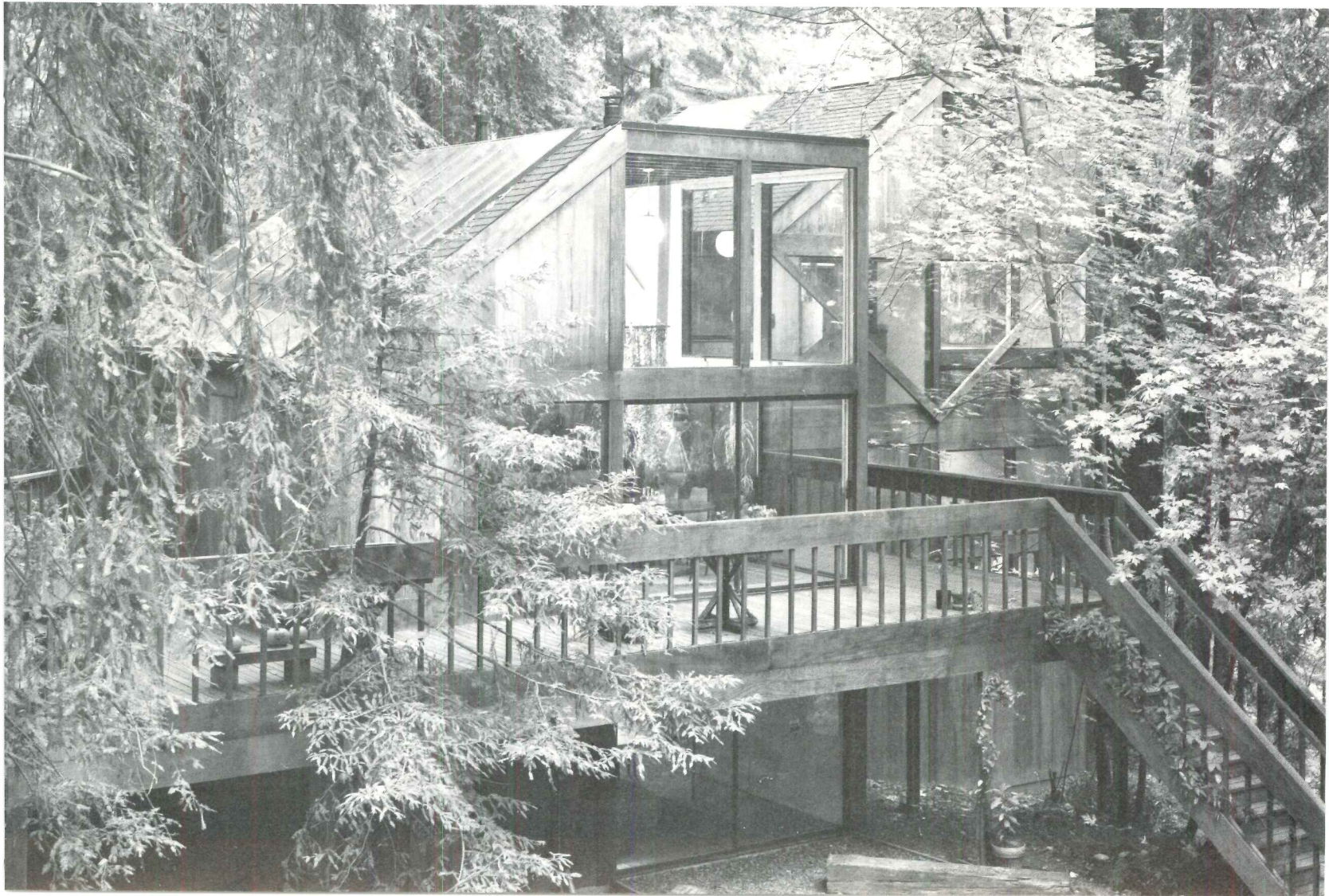
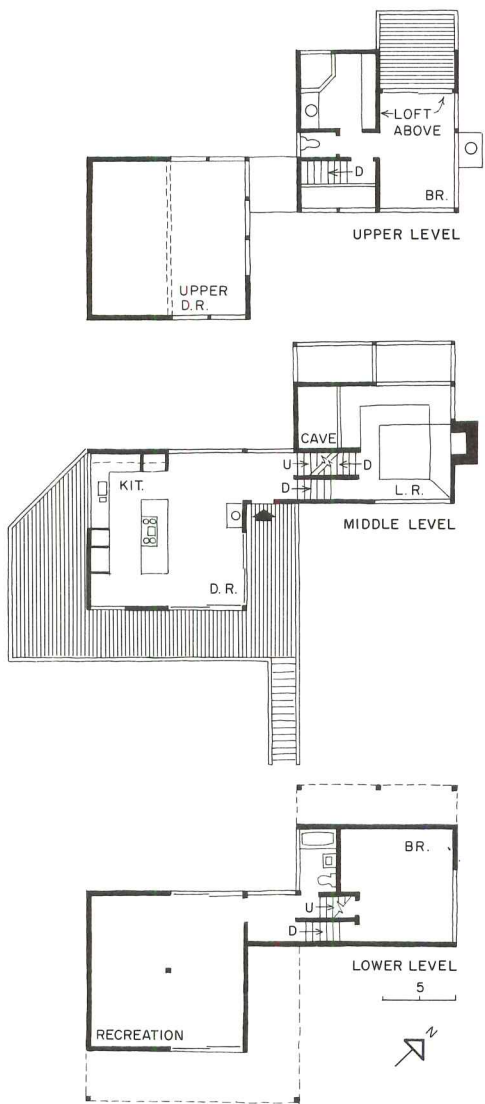


The interior spaces, though modest in scale, are exceptionally open and airy. The kitchen and dining area, (photos this page) feel almost uncontained. The bedroom (photo opposite) offers view in every direction—including toward the night sky—and the ladder leads to a small hidden loft.

At about \$30 p.s.f., the house was surprisingly inexpensive to construct.

ROLAND/MILLER





Hobbs Residence
 Seattle, Washington
 Hobbs Fukui Associates,
 Architects

A steep, urban site sloping to the east with a view of woods, Lake Washington and the Cascade Mountain Range in the distance. Space for functions both common and private for two parents and three children. Architect Richard Hobbs brought these givens together in a 16-foot by 46-foot rectangular plan that distributes its functions over six interior levels. The entry level leads down to the children's areas or up to the main spaces of the house. Off these main spaces, and facing the view, is a narrow greenhouse that provides—in addition to a profusion of house plants—a fine sense of openness to the deck and woods beyond (photo below right).

Only from the downhill side does the verticality of the scheme reveal itself completely. From this vantage, the elaborately sculpted wood forms reach right to the tree tops giving the occupants of the upper levels a remarkable sense of privacy and an exhilarating feeling of elevation.

The interiors are carefully worked out and considerable spatial interest is achieved by powerful diagonal forms and by graceful circular projections into the main spaces. The extraordinary variety of openings also enriches the spaces, filling the interiors with daylight and broad streaks of sun that are especially welcome in the Northwest.

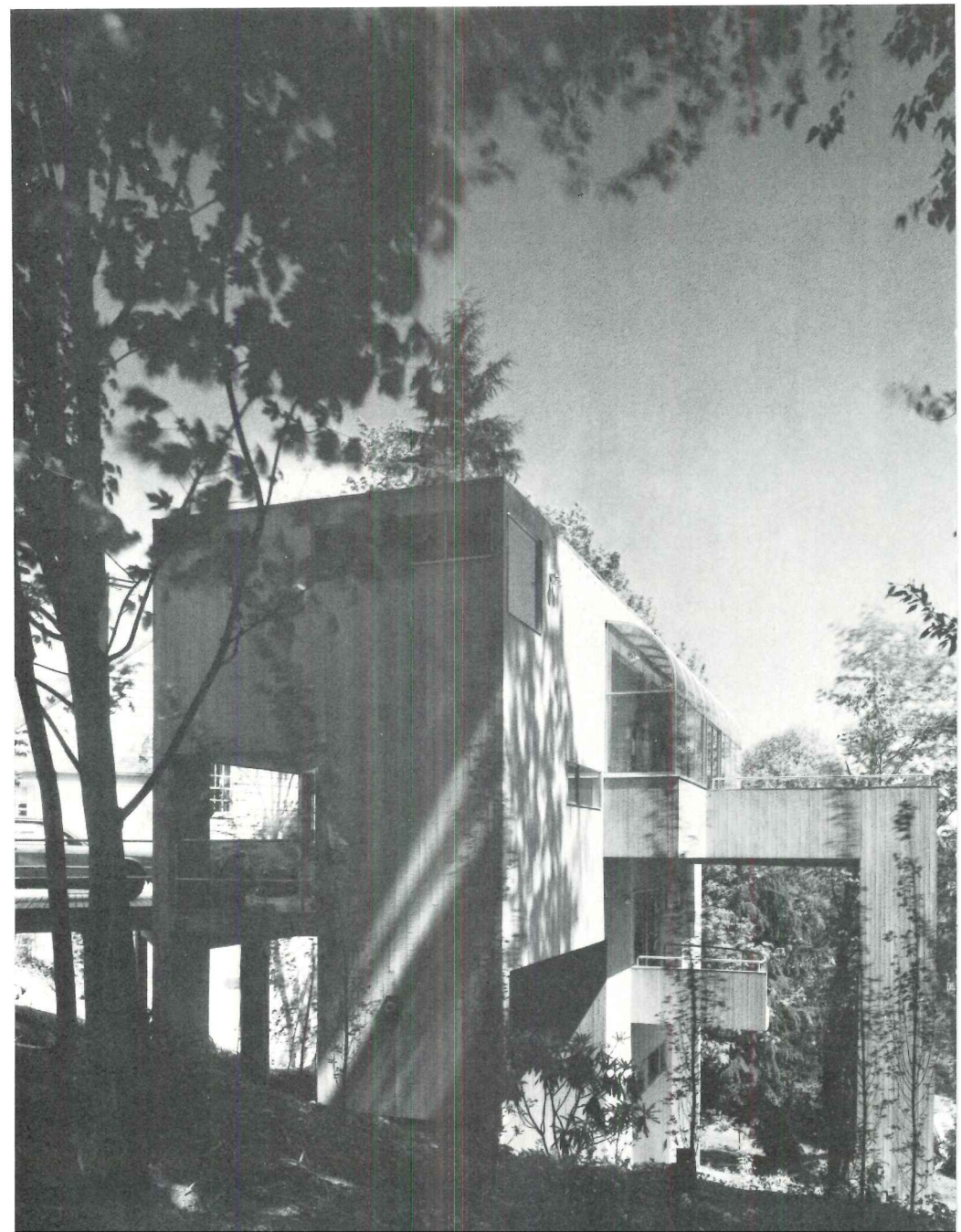
Heating is provided by a four zone system employing both electric baseboard and forced air units controlled from a central location. The principal finishes are cedar siding, anodized aluminum window frames, and gypsum board on ceilings and interior walls.

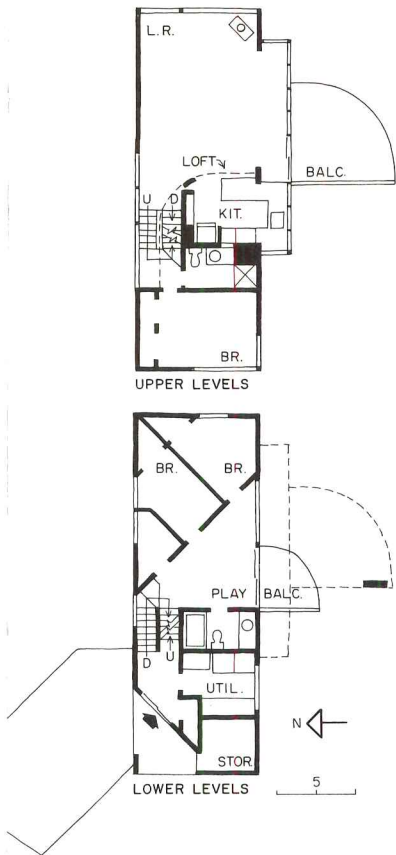
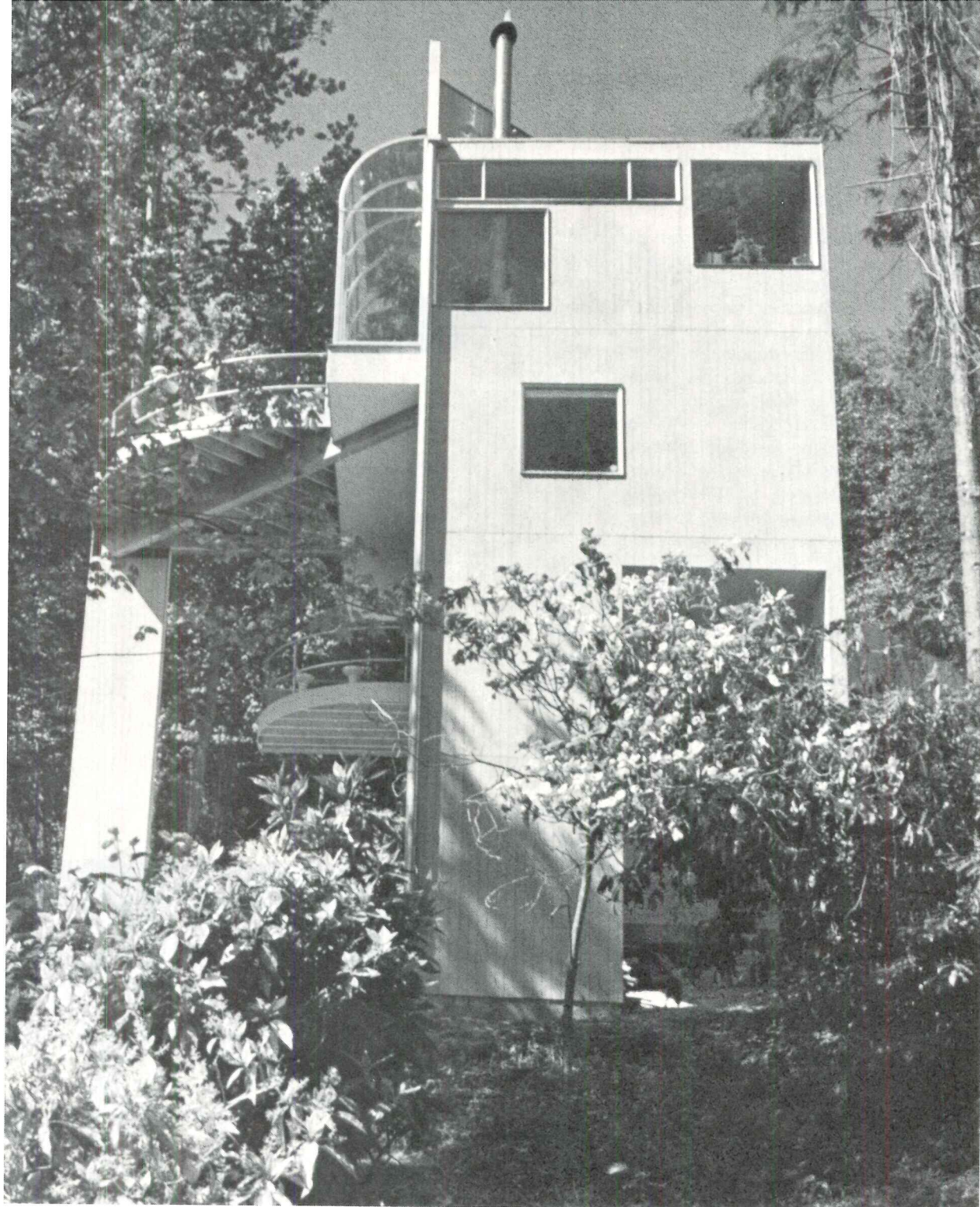


Architects: Hobbs Fukui
 1501 Belmont Avenue
 Seattle, Washington
Owner: Richard Hobbs

Engineers:
 Robert G. Albrecht (structural)
 Neil H. Twelker (foundations)
 Martin/Datacom Associates (mechanical)

Interiors: Dallas E. Zeiger
Landscape: Thomas L. Berger
Contractor: Stole Building Co.
Photographer: Art Hupy





Barn Renovation

Maryland Eastern Shore

Moore Grover Harper, Architects

The owners of this old barn placed some unusual constraints on the architects they commissioned to convert it to a second home. Certain of the constraints, in addition, seemed in a sense to conflict. The owners wanted the renovation to be energy-efficient, for instance, but they also wanted the original siding and roofing to be retained and remain visible from within. They wanted the first-floor structure of stone walls (circa 1850) and hand-hewn timbers to be celebrated, but they also wanted the barn highly receptive to the sun.

To accomplish these priorities, the architects began by building new exterior walls, fastening them by means of ledger strips to the old plates. New rough siding was also applied and left to weather. Because the old rafters could not support another layer of roofing, the architects nailed 2x6s through the existing metal roof into the rafters creating a "T" section that would support new horizontal members and a new metal roof. The cavity this created was filled with insulation.

Along its south wall, the old barn had been built with an integral shed. But the shed cut off long views to the Choptank River as well as winter sunlight, so the architects stripped it of its siding, removed sections of its roof and in this manner created a trellised structure (photo right) that adds enormously to the character of the renovation.

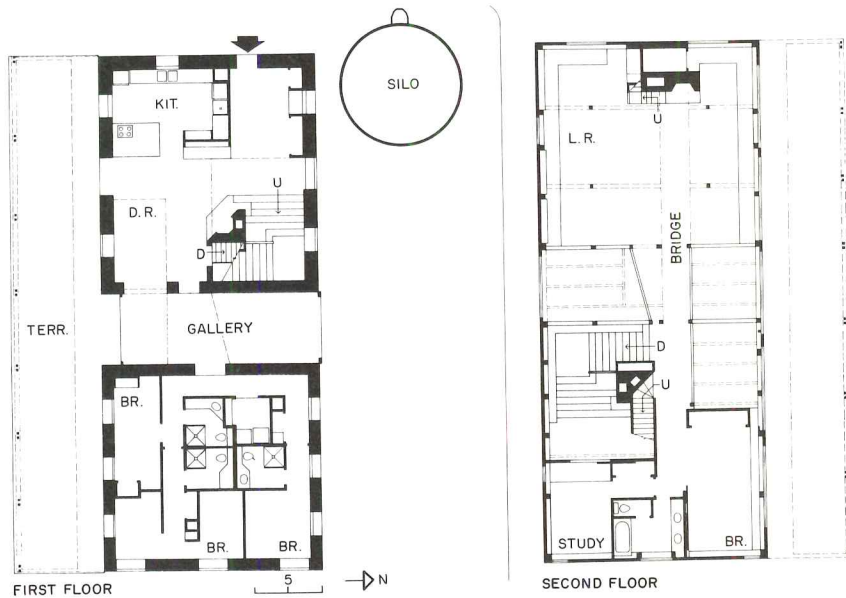
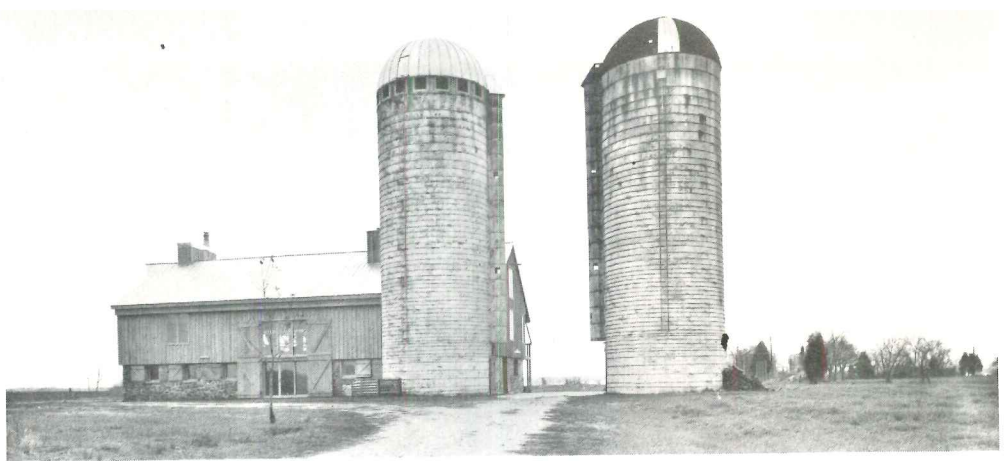
Five solar collectors on the south-facing section of the roof provide domestic hot water, while a conventional oil burner is used for space heating. When the house is unoccupied, the two systems are set in tandem and the thermostat set way down.

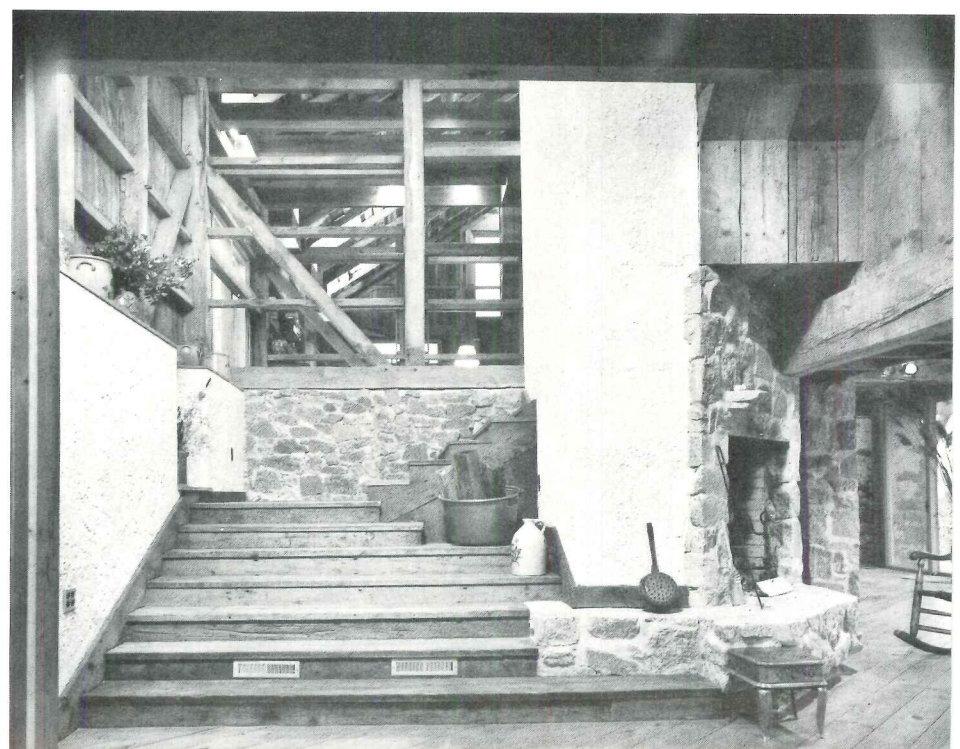
"We worked hard," says Mark Simon, "to retain and even enhance the rough-hewn character and yawning openness that makes this building a barn, while at the same time giving attention to special places where the inhabitants live and play."

A marvelous renovation.



Architects: Moore Grover Harper
Essex, Connecticut
Charles Moore, Mark Simon; project architects
Engineer: Ronald Schaeffer (structural)
Interiors: Samuel Marrow
Landscape architect: Lester Collins
Contractor: L.G.R., Inc.
Photographer: Norman McGrath

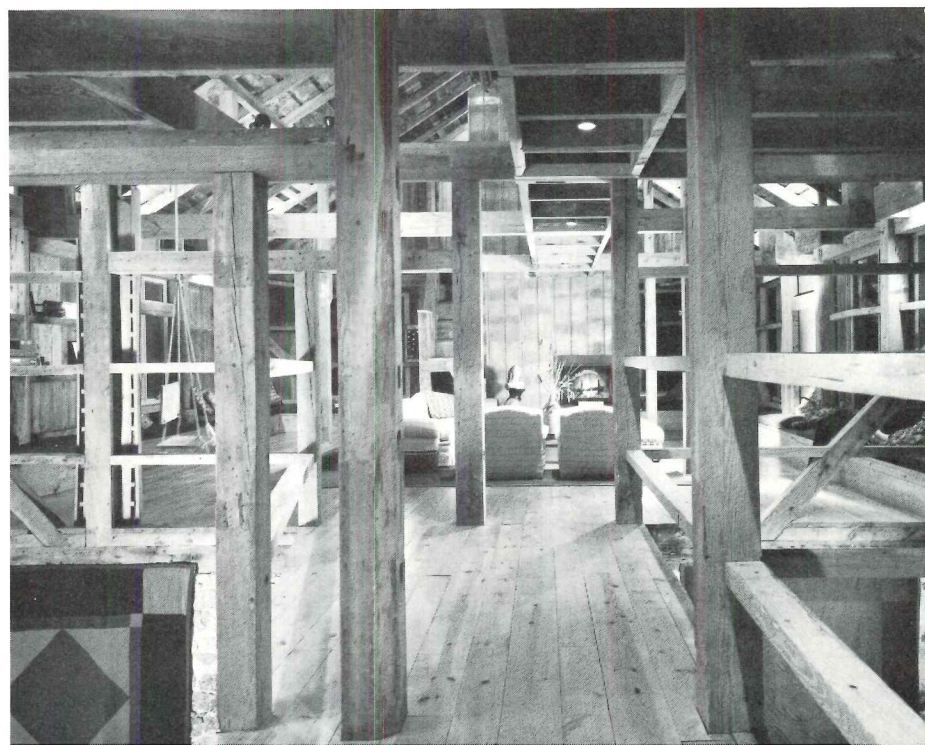
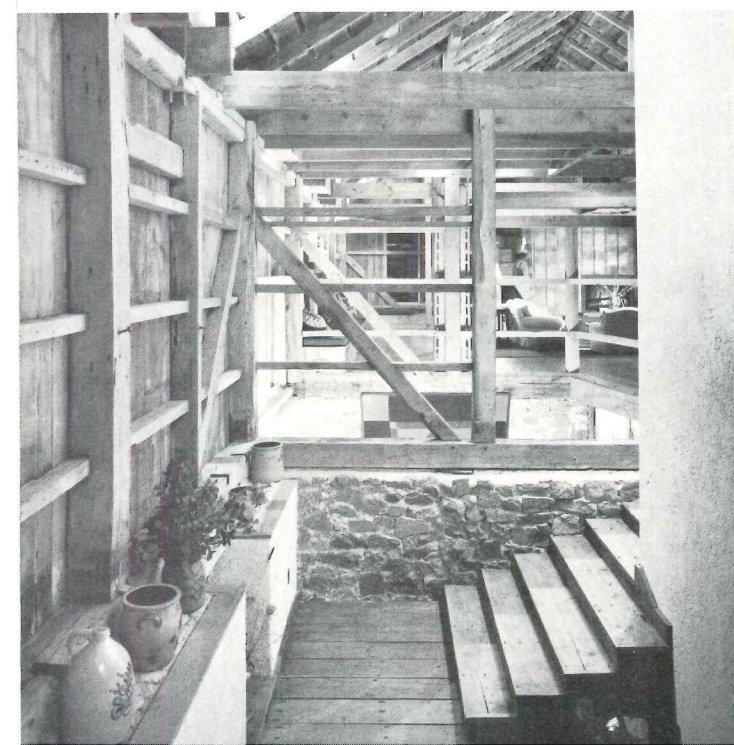






MOORE GROVER HARPER

The major spaces are distributed over three levels or partial levels. The entry is on the west wall and leads to a small vestibule. From here, the view leads to a broad staircase that passes behind a stucco-covered chimney up to the second-floor living room. A second flight of steps leads to the third floor. As the photos eloquently show, all the major spaces are anticipated through a tantalizing fretwork of beams, posts and braces. Wherever possible, the architects have retained details and hardware from the earlier era—the wood bolt on the door (previous page) being a fine example.





Private Residence
Atlanta, Georgia
Porter/Kelly, Inc., Architect

The key element to the design of this house in suburban Atlanta is its interior organization—an excellent plan of open, flowing spaces focused on a dramatic, skylit, 22-foot-high foyer. The foyer is the hub, from which the rest of the house flairs outward, stepping down the site in accordance with the topography. The main living areas are immediately seen from this point at the entrance and because of extensive use of glass windows, views are opened up to the heavily wooded site in all directions. Few partitions exist in the house to maintain this open feeling, with none used in the main living areas. Each room is, nevertheless, defined by a change in levels, and could easily be closed off if necessary. The upper floor is the opposite, with many partitions for privacy, but the master and guest bedrooms are open to the foyer to receive natural light.

The clients are both interior designers and they commissioned local artisans to design art work displayed throughout the nearly 5,000-square-foot house, specifically in the foyer and living room.

The house is rather isolated from its neighbors, and can hardly be seen on the two-acre site. Orientation of the house to the north and west was a logical solution due to the land terracing in that direction and geological studies which indicated positioning the pool and tennis courts in the western section of the site.

The exterior is highly articulated and a contrast of forms which "relate to the varying nature of the site," explains architect Philip Porter. In addition, the forms reflect the spatial arrangement, jutting out wherever there is a room, and are curved or angular in correlation to the interior functions. The entrance (top right) demonstrates this diversity, and is particularly pronounced: some of the openings on the southern elevation are framed and have large overhangs shading their respective rooms from the sun, while others (like the upper stairwell) are glass enclosed to permit an uninterrupted view to the trees.



Architect: Porter/Kelly, Inc.
1819 Peachtree Street, N.E., Suite 609
Atlanta, Georgia

Owners: Mr. and Mrs. Jorgen Jensen

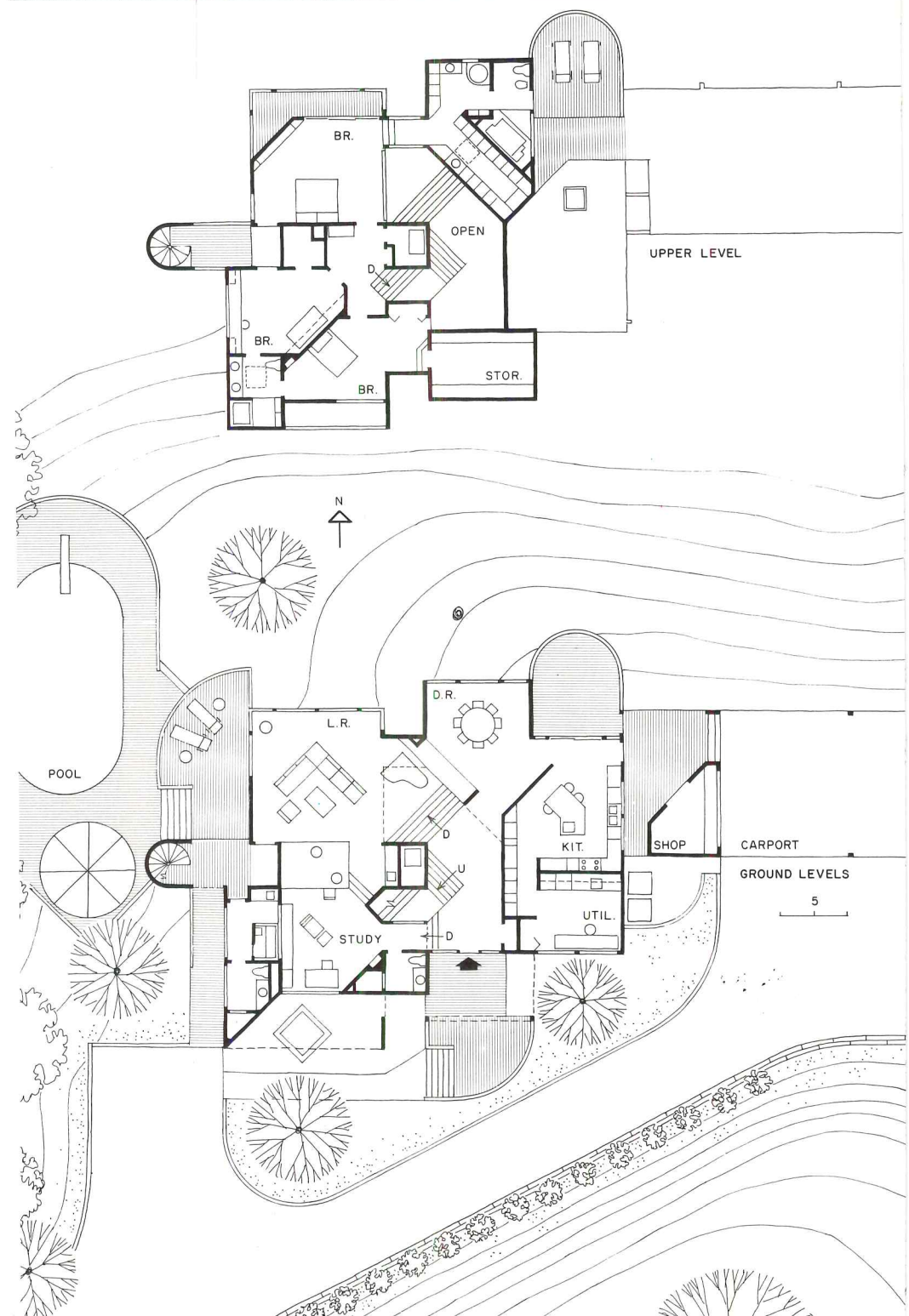
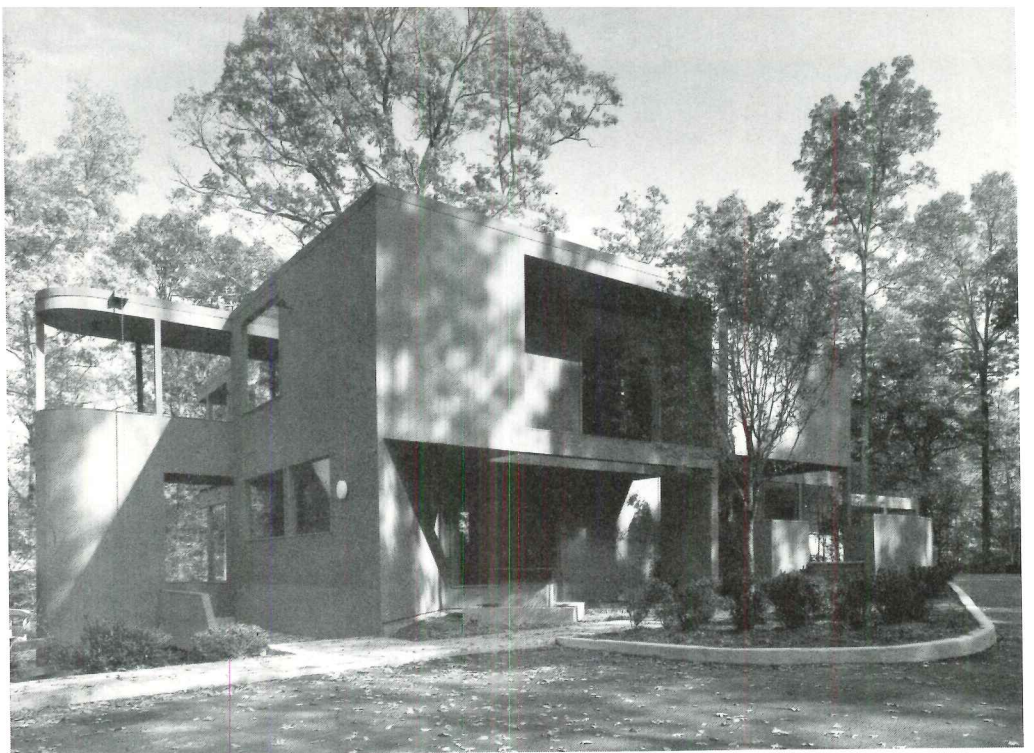
Structural engineer: Armour & Cape, Inc.

Lighting consultant: Dan Kennedy

Landscape architect: Laubmann-Reed & Associates

Contractor: R.L. Connelly & Son

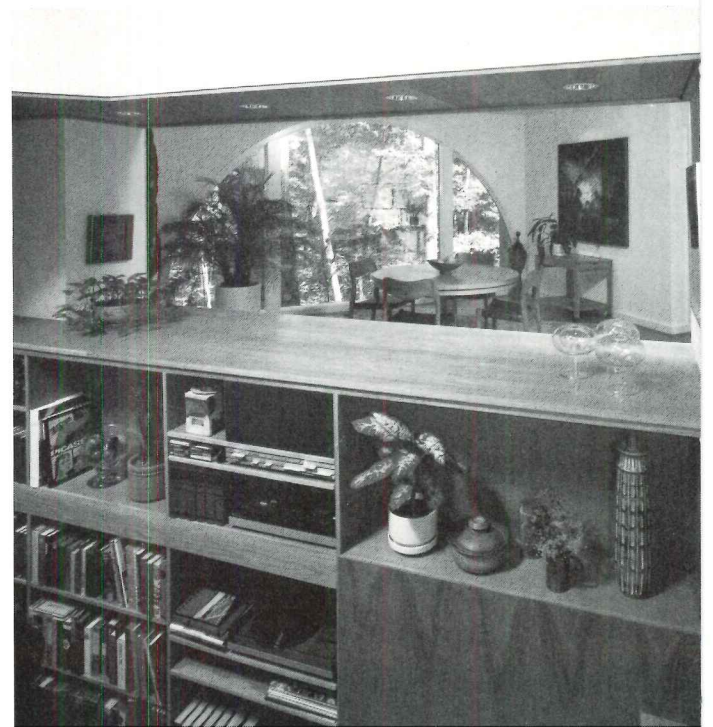
Photographer: E. Alan McGee







PORTER/KELLY, INC.



The interiors of the Jensen residence are open from room to room but do appear semi-private due to variation in ceiling height and floor level. Windows abound but some are playful half-circles, from master bedroom looking through a stairwell (below) or in the dining area (bottom, second from left).



House on Lake Michigan
Glencoe, Illinois
Booth Nagle & Hartray,
Architects

Located on a high bluff some 20 miles north of Chicago, this beautifully transparent house opens on three sides to sumptuous views of woods and lake. The lower floor, countersunk into the hillside, contains children's and guest quarters. The upper level, linked to the garage in an "L" configuration, houses all the main living spaces and disposes them toward the various views.

The structural discipline is imposed by five, 27-foot-square bays framed in steel within which the interior functions are loosely and graciously contained. The hard-edged esthetic is softened inside by occasional curved surfaces and by exquisitely refined detailing throughout.

In order to justify the vast expanse of glass, the architects tightened the glazing details to all but eliminate infiltration. The heavy earth insulation on three sides of the lower floor is another energy conservation feature, and this device simultaneously produced a lower profile on the storm side of the house. The glass itself is 1-inch-thick double glazing and all other elevations are stucco-covered concrete block heavily insulated. During the first year of occupancy (with an especially bitter winter), the architects note that operating costs for gas and electricity were well within acceptable levels and, in fact, compared favorably with other new houses in the region that were designed with considerably less glass.

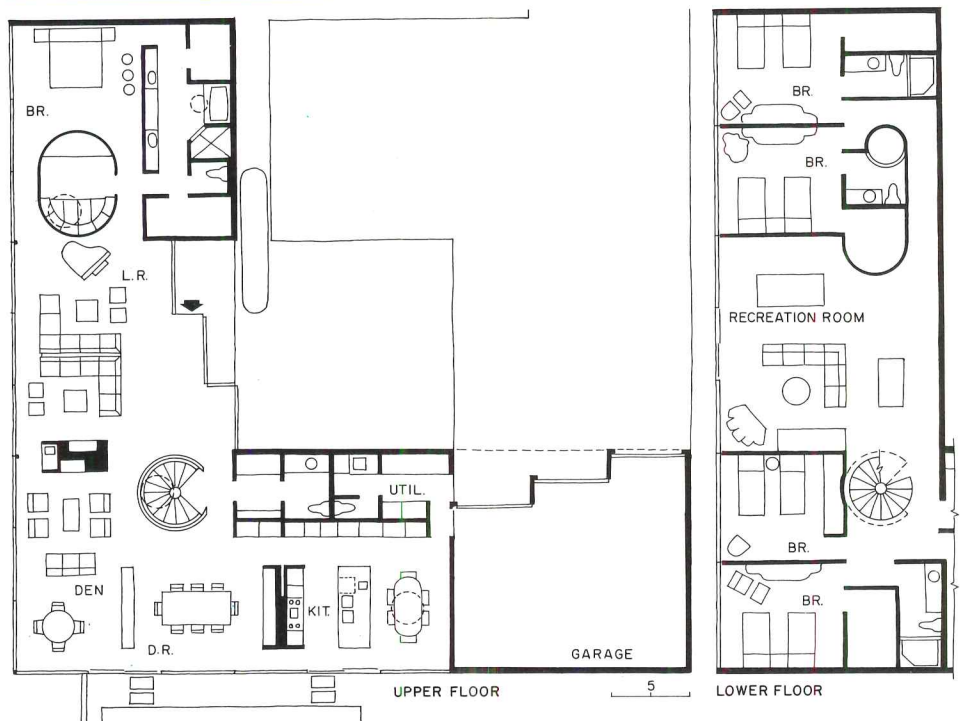
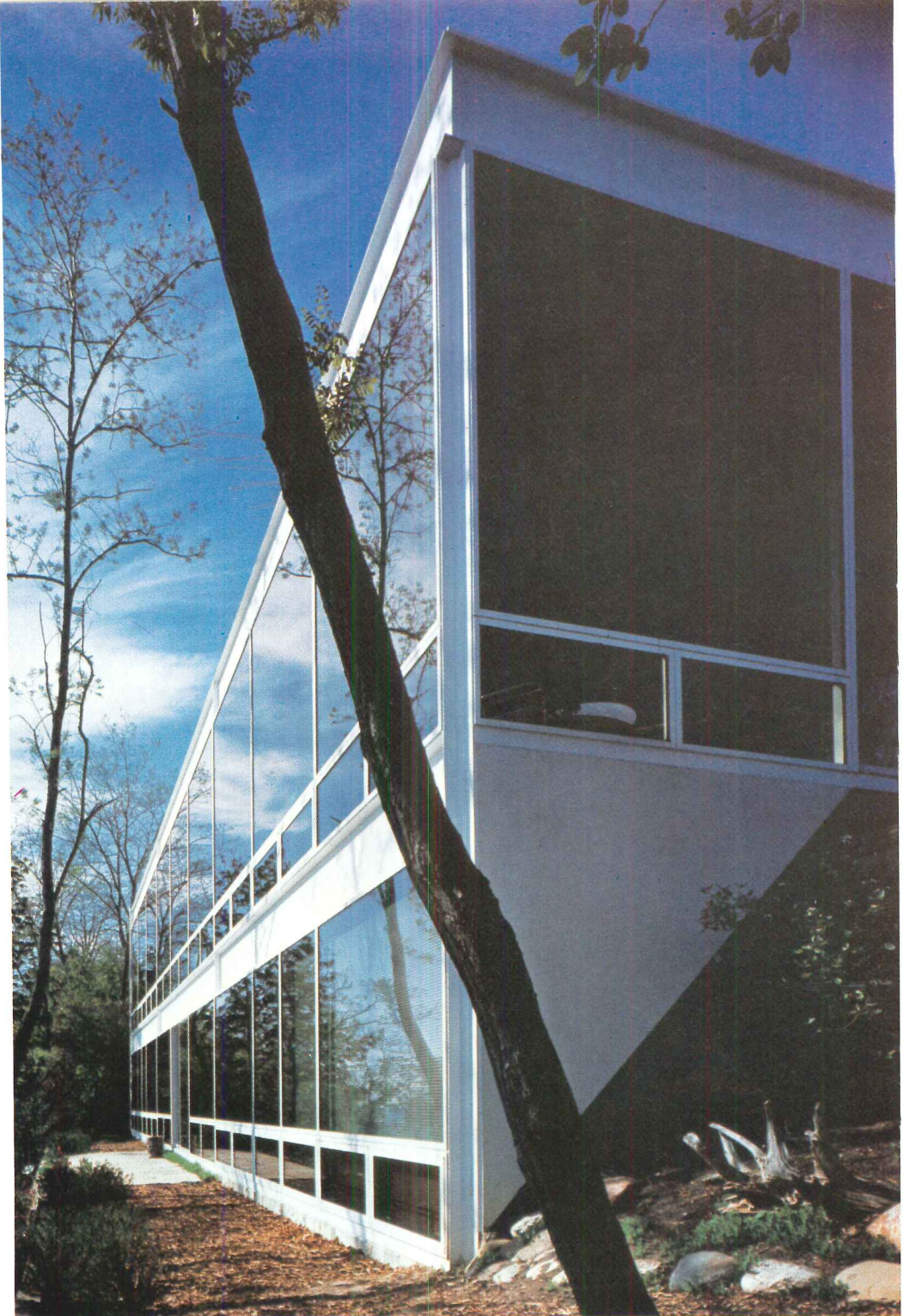
The spaces of this house are so gently modulated that only the broad ceiling gives any real feeling of containment. From almost every vantage point the eye is drawn out through the walls to the site which has been left as natural as possible. The sun, the wind, the rain, the changing color of the seasons are more than just welcome visitors; they are a big part of what this house is about.



Architects: Booth Nagle & Hartray
Steven P. Weiss, job captain
230 East Ohio Street
Chicago, Illinois

Engineers:
Wiesinger-Holland, Ltd. (structural)
Wallace, Migdal & Drucker (mechanical)

Landscape architects:
Joe Karr & Associates
Contractor: H.O. Schulz Co.
Photographer: Phillip Turner





Private Residence
Old Westbury, New York
Norman Jaffe, Architect

In plan, this house for a family of six brings together three radial elements into a fluid, loosely-ordered composition. The elements are joined in a rush of space at the entry—the only volume with a busy, cross-axial, no-traffic-light feeling. The other main spaces are serene volumes that occur most often at the ends of long circulation routes purposefully turned into passageways that give the spaces they serve maximum privacy.

The house is built upon a strong base of heavily-battered stone walls that carry in their timeless forms a message from every generation of builders from Adam down. Poised above the stone, and setting up a powerful contrast, are elegant wood enclosures of contemporary form and detail. A thin ribbon of glass sets the two materials apart.

Jaffe felt that the site's soft but insistent undulations and its very tall row of silver beeches invited a ground plan that was dynamic, angular and strongly horizontal. He achieved this by asymmetrical arrangement of parts and by retaining right-angle reference points only where he felt they were necessary or helpful in establishing functional relationships.

The house has many personal, idiosyncratic touches, no doubt, and the architect's compositional urge has been give free play, but the design is far from indulgent. The skewed walls, the softly-curving soffits, the free form of spaces all work. And more than that, they manage to come together in a unified visual whole that is expressive and exciting. The forms move well across the site, making reference to the rise and fall of the land and to the file of trees between house and road. This reconciliation between house and site has been aided importantly by landscape architect James Rose, who selected and placed plant materials with exemplary sensitivity and subtlety.

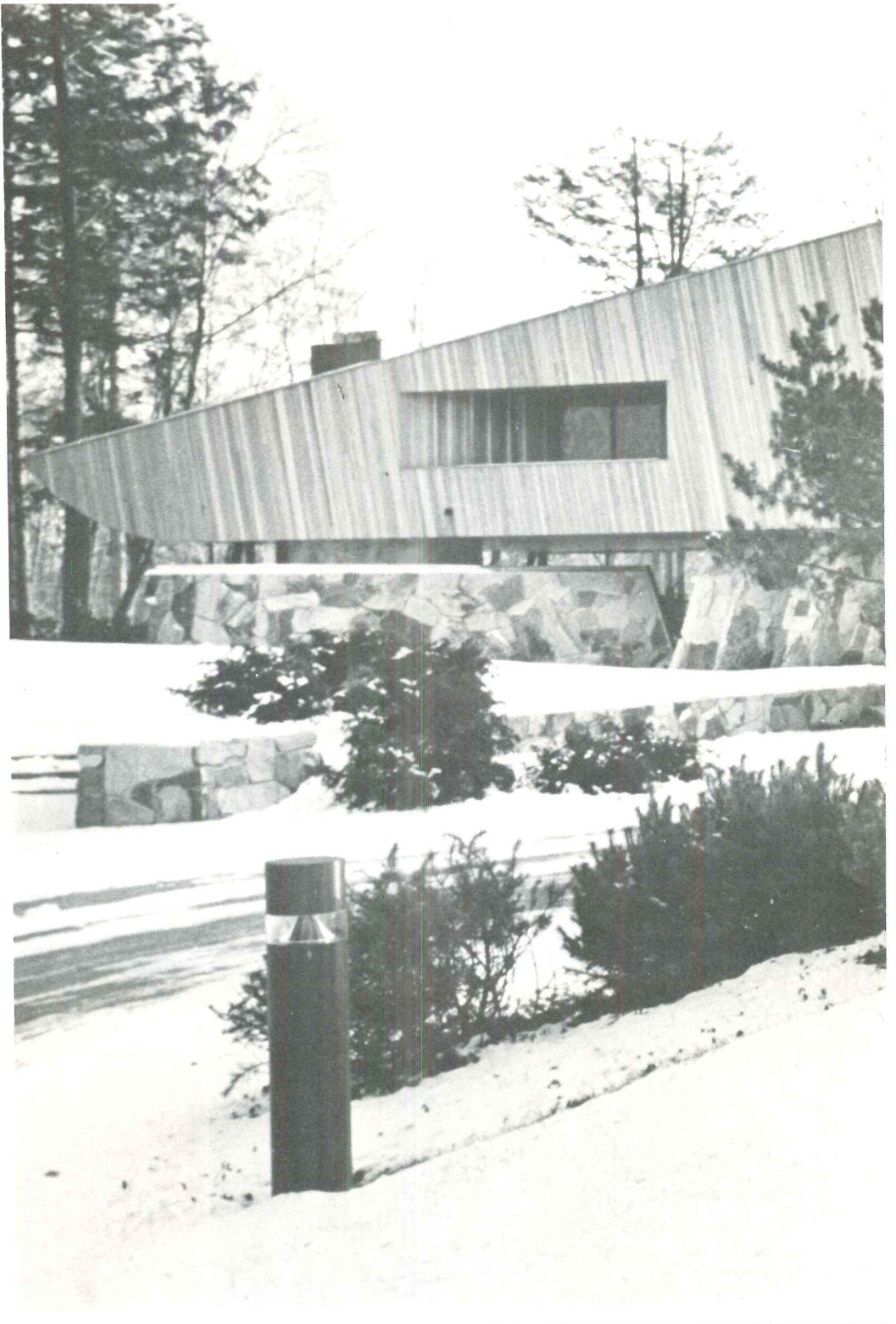


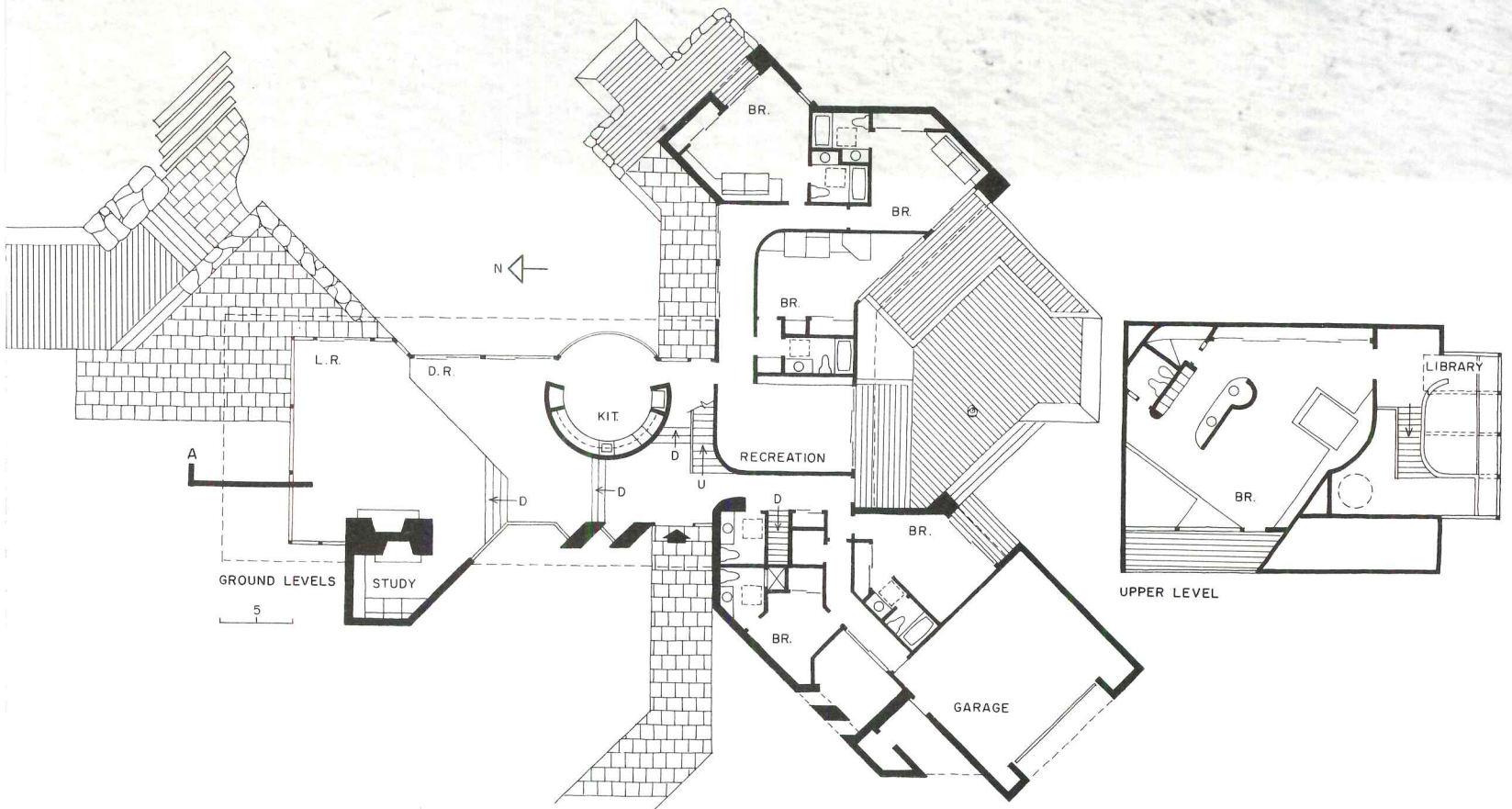
Architect: Norman Jaffe
125 East 80th Street
New York, New York

Engineer:
John Grammis (structural)

Landscape architect:
James Rose

Contractor: Donald Cappy
Photographer: Bill Maris





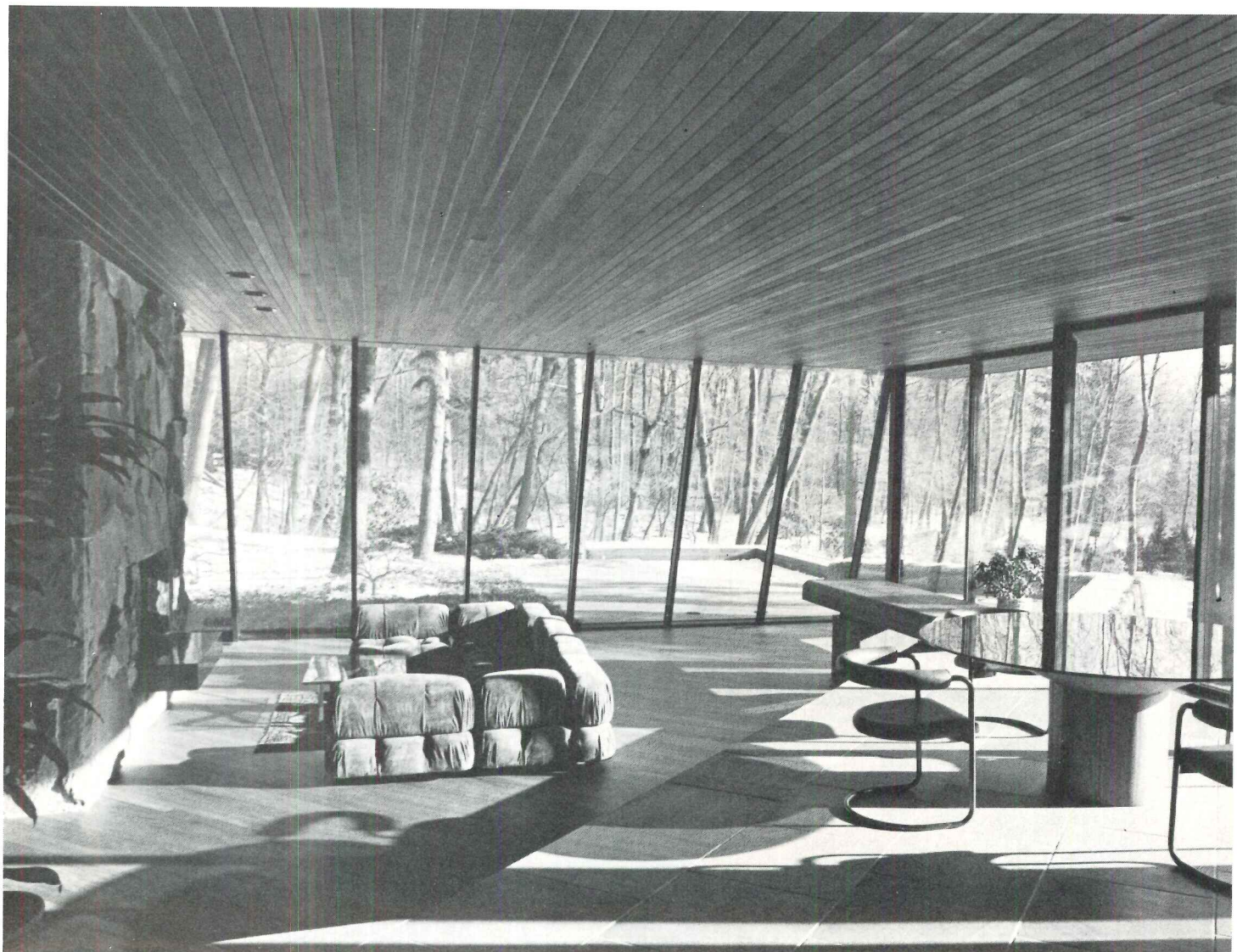
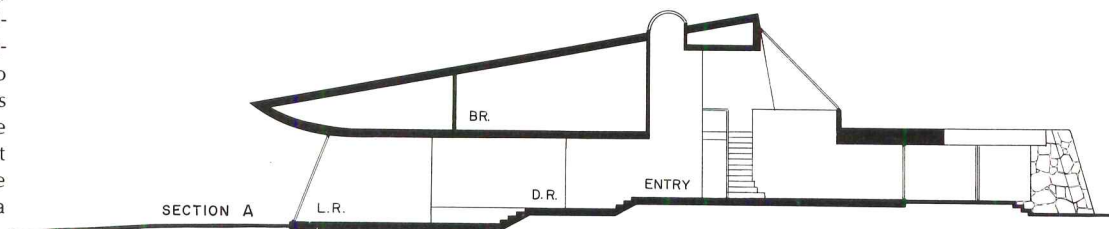


NORMAN JAFFE





The section at right shows how floor levels have been modulated and how the second-floor master bedroom relates to the rest of the house. It is reached by a stair from the entry. The small library that shares the upper level with the bedroom is sheltered by a sloping glass wall.



Private residence
Central Arkansas
E. Fay Jones, Architect

Long low lines with deeply sloping roofs, cantilevered overhangs and an expansive open plan, all combined with a sensitive respect for landscape and reverence for the nature of materials, powerfully recall Frank Lloyd Wright's Prairie Style; and indeed architect Fay Jones, who designed this house in central Arkansas, did study for a time at Taliesin. Closer observation, however, tempers the initial impression and suggests rather that a proper application of Wrightian principles allows an architect to remain very much his own man and to design buildings of individuality. (Mr. Jones, queried about the Wrightian aspects of his design, demurred politely while granting certain "intangible" influences. "As a matter of fact," he said, "those service cores remind me a little of Louis Kahn's servant spaces.")

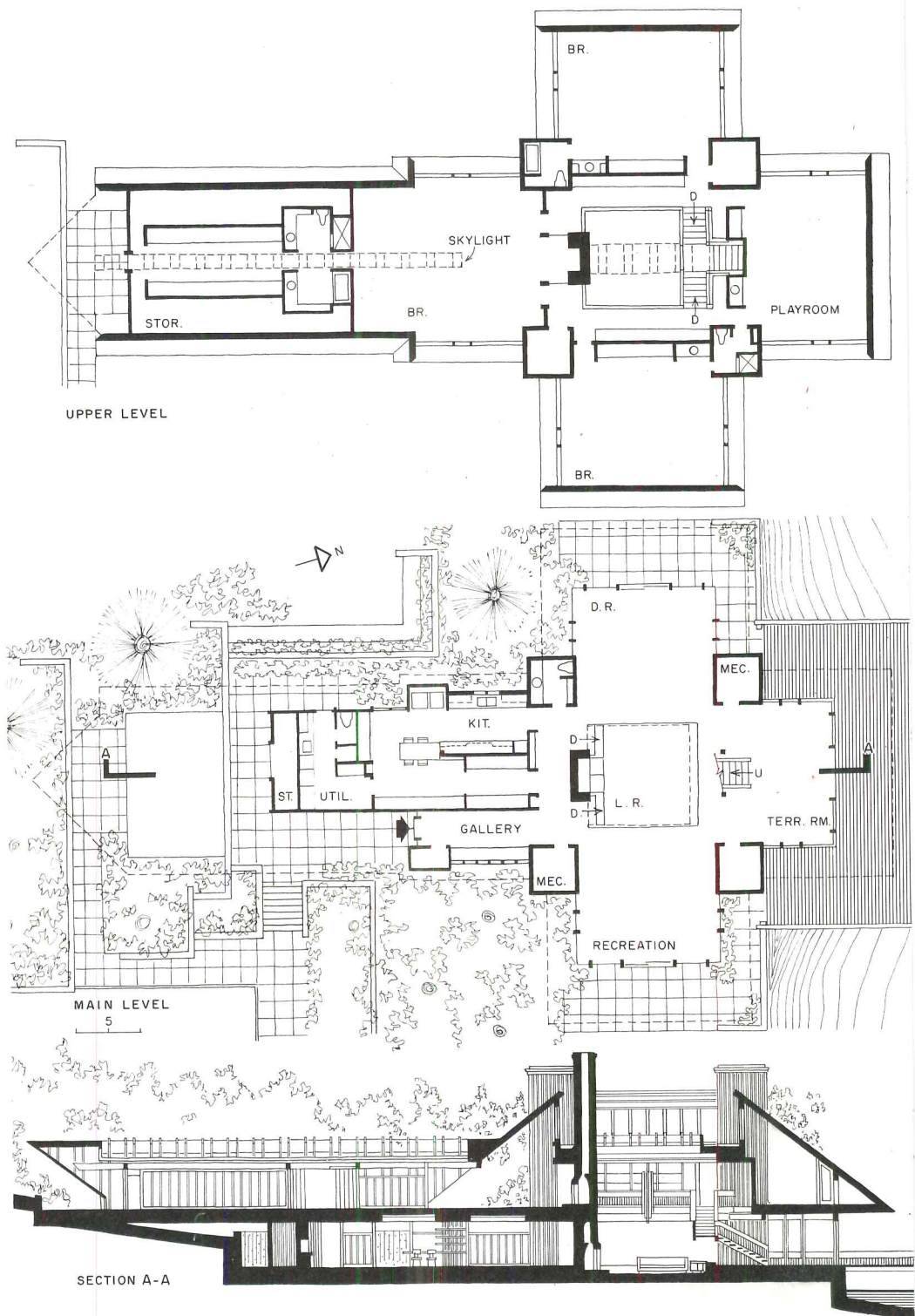
The house, built for a couple with two young sons, is partially sunk into the shore of a private man-made lake and extended over the water on concrete pilings. Its cruciform plan places a two-story living room at the crossing, from which radiate living spaces downstairs and children's rooms upstairs. The strongest defining elements of the plan are four large structural service cores, sheathed with plywood and battens, which support the truss-like cantilevers of the radiating bedrooms and a second-floor gallery that encircles the living room.

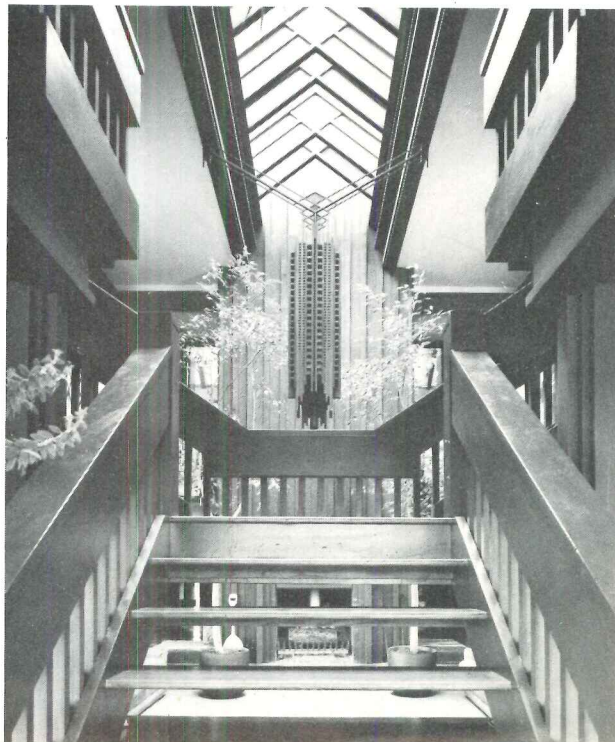
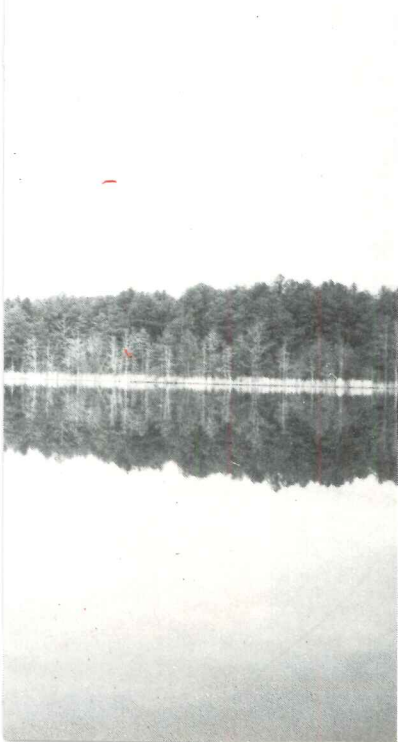
Though the steep sheltering roofs suggest from the exterior a perhaps darkened house, the interior is in fact extraordinarily open to light and views of the water and landscape. Entertainment areas on the first floor beneath the cantilevers are glazed on three sides, affording the living room a 180-degree view interrupted only by the square columns. Upstairs, triangular glass end walls open each bedroom on two sides. Extensive skylights above the central well and master suite admit additional daylight, as do clerestories connecting the four towers. To reinforce this openness, glass is mitered at the corners of the downstairs rooms and at the ridge of the skylights.

The entry and the second-floor gallery provide exhibition space for the owners' collection of Indian art and relics.



Architect: E. Fay Jones
1330 North Hillcrest
Fayetteville, Arkansas
Project assistants: John Womack and
Maurice Jennings
Engineer: James Wellons (mechanical)
Landscape architects: Landscape Associates, Inc
Contractor: Herb Davis
Photographer: Richard Payne





Hulse House

Atlanta, Georgia

Anthony Ames, Architect

Here is a jewel, a guesthouse and pool built behind the owner's existing house on a suburban street in Atlanta. Though small, the plan provides a rather full range of functions: living room, bedroom, kitchen, dining, two baths, study and storage. But for the fact that it has only one bedroom, the house is comparable in program to a typical vacation house. A two-story scheme was selected to conserve as much of the site as possible for other activities.

The most desirable view is to the north, overlooking the pool, and therefore this elevation is almost entirely open. The other elevations, by contrast, are essentially windowless to ensure privacy and to reduce solar buildup during warm summer days.

There is considerable tree cover over the house and the neo-Corbusian features of the design—the white wall surfaces in particular—catch the heavy shadows in endlessly shifting patterns. Solar collectors were considered for heating the pool but it was this same tree cover that made the panels impractical.

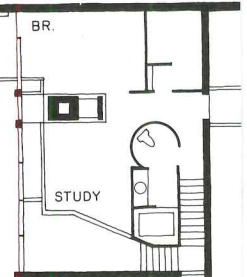
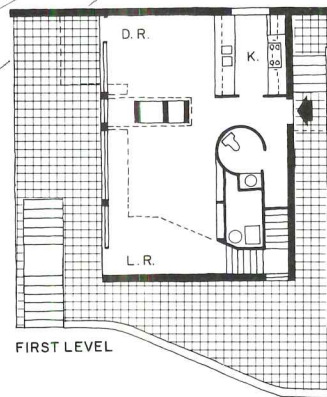
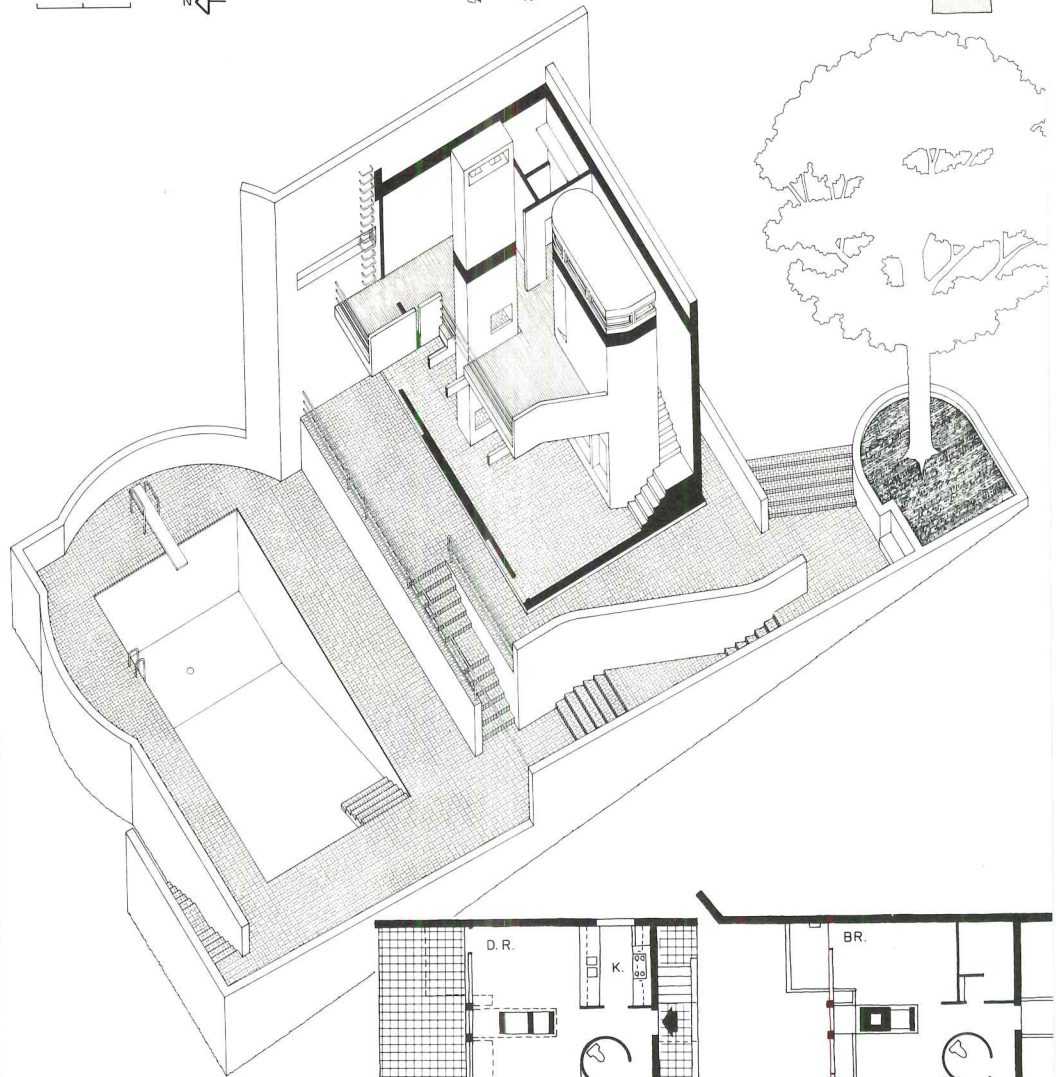
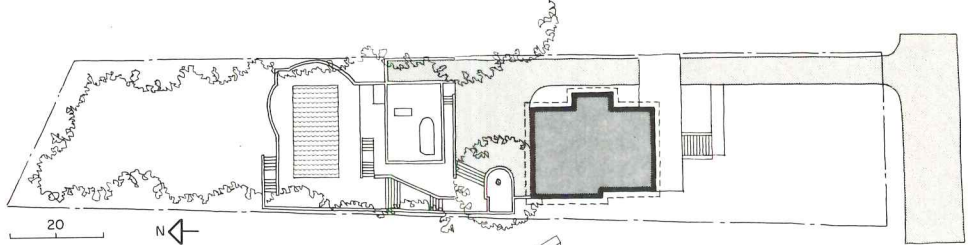
The structure of the house is brick veneer over a standard wood frame except that 2x6 studs were used to accommodate additional insulation in all exterior walls.

The interiors are delicately scaled and detailed with consummate care. Bold primary colors offer powerful contrasts to the white-painted gypsum board partitions and ceilings. So do the brick pavers over the first floor slab and around the pool.

Inside and out, the Hulse house is invested with fine proportions, rich detail, and the unmistakable stamp of thoughtful design.



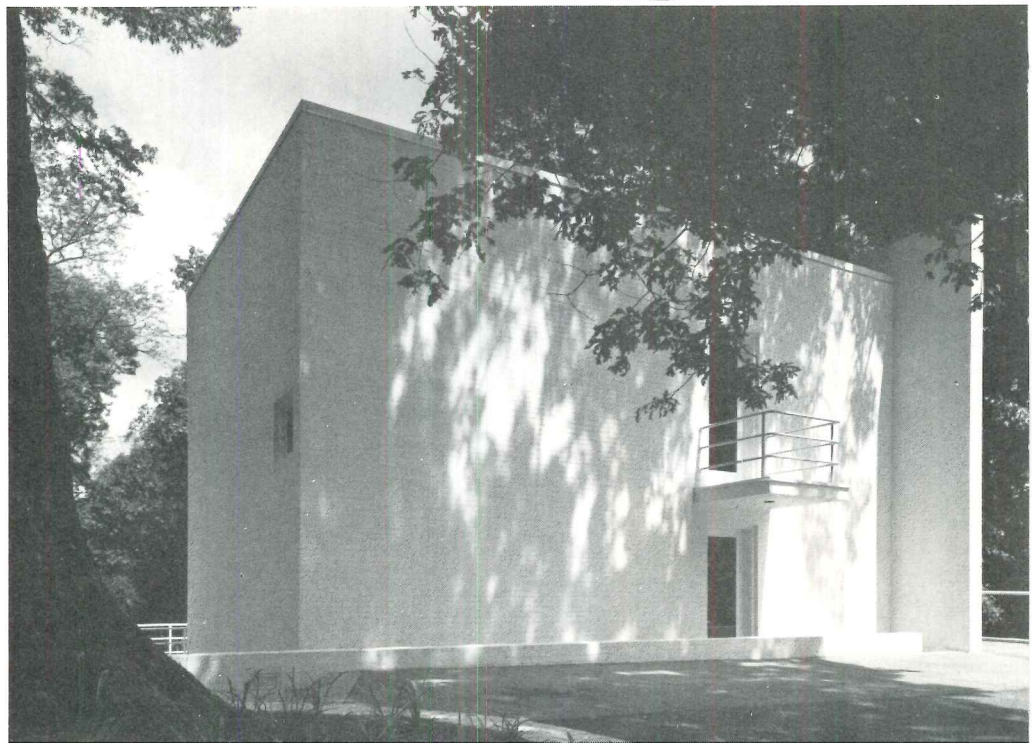
Architect: Anthony Ames
Box 54114
Atlanta, Georgia
Owner: Frank W. Hulse IV
Engineers:
Smith and Freeman (structural)
Contractor: J.B. Hiers
Photographer: E. Alan McGee

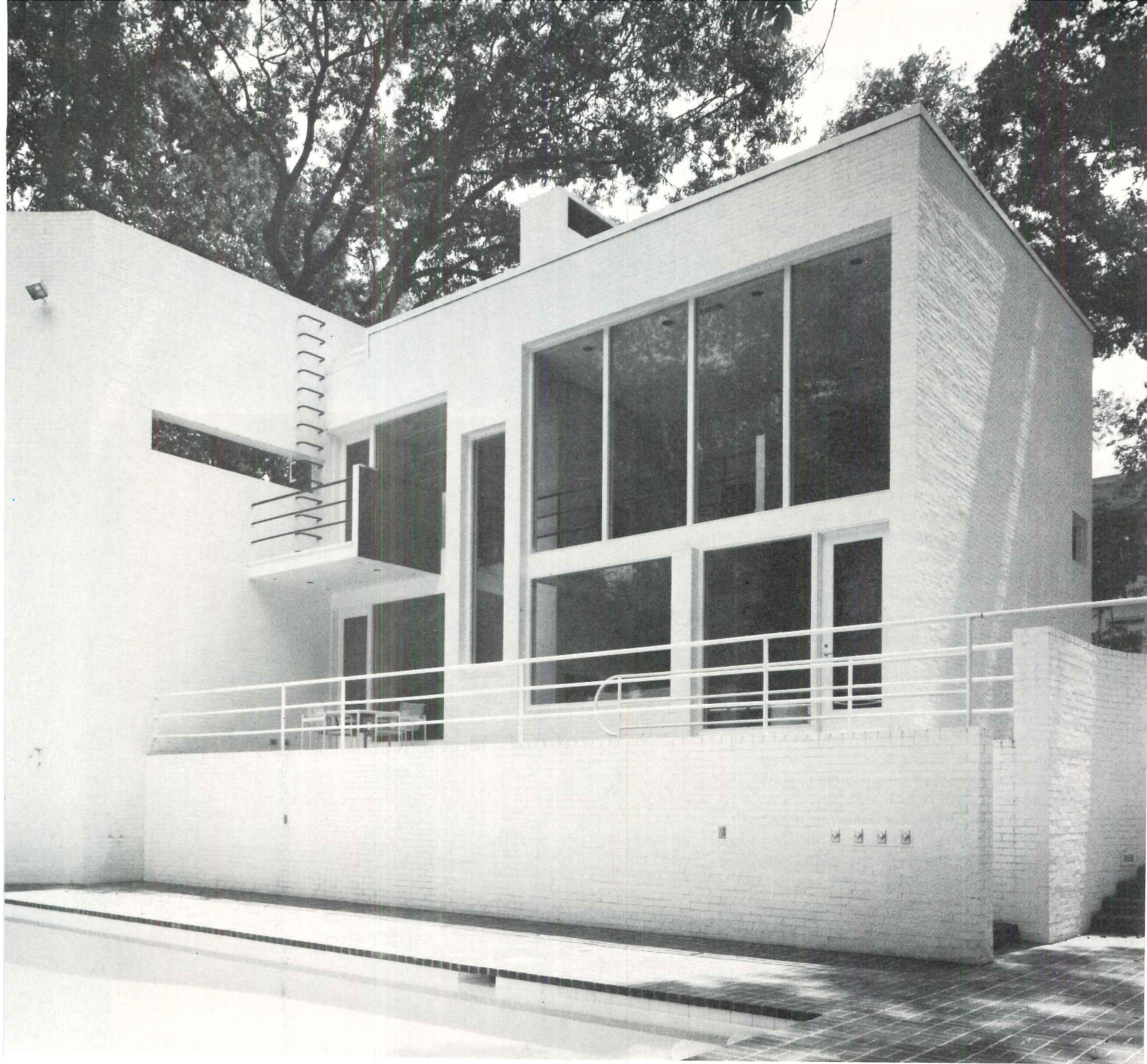


FIRST LEVEL

SECOND LEVEL

5





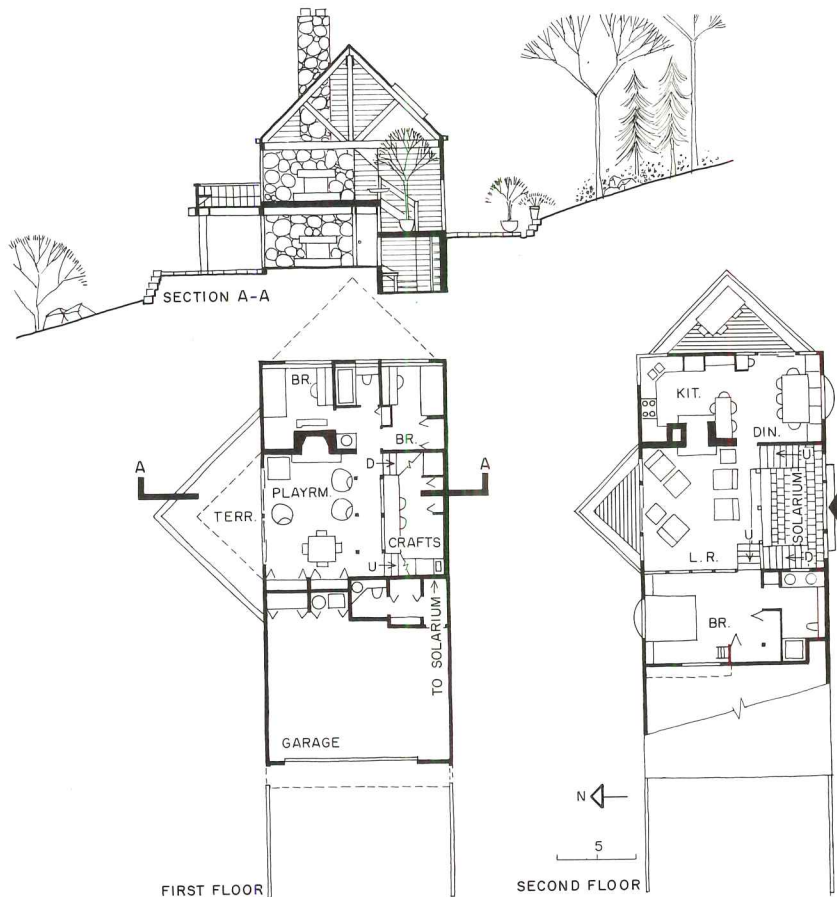
Desberg House Central Ohio Trout Architects, Inc.

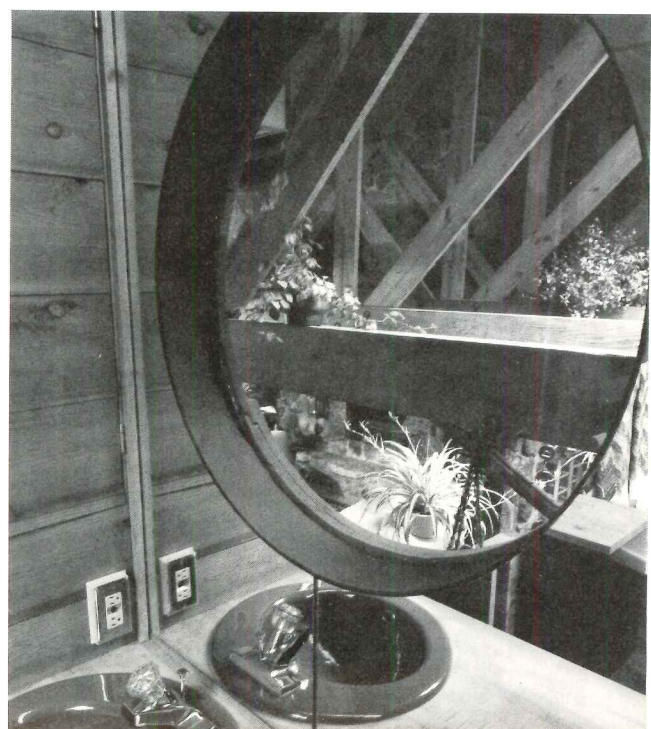
In a rural Ohio setting—a small clearing partially masked by trees—Trout Architects designed this modest, year-round house, cladding it with siding recovered from a fallen barn nearby. The simple, vernacular quality of the exterior gives the house its appealing folk image, but the interior spatial development is considerably more complex. The main entry is at a mid-level solarium, a high, skylighted space filled with planting. Half a level below are the children's bedrooms and family room, while half a level above are the main living spaces. Half a level up again is the master bedroom suite. Above the bedroom is a small "retreat" (reached by a ship's ladder) that overlooks the living room. Spatial definition is apparent throughout the house but the volumes flow together through arched openings.

Finish materials have been selected for their ease of maintenance, and the detailing, though it is far from slapdash, heightens the sense of informality. Throughout the house, in fact, invention substitutes for visual refinement and the result is a design that is fresh and enriched with wit. The mirrored wall of the bathroom (photo below right) is fitted with a porthole that appears at first to be part of the mirror but it actually opens to an unexpected view of the roof trusses. The house is fully insulated and equipped with three fireplaces that augment a gas-fired heating system, keeping fuel bills down during the cold months of winter.



Architects: Trout Architects, Inc.
19063 Lake Road
Rocky River, Ohio
Owners: William and Karen Desberg
Engineer:
Williams & Hach (structural)
Contractor: Melbro, Inc.
Photographer: Alan Holm





Opp Residence
St. Paul, Minnesota
Design Consortium, Architects



An aging but still substantial brick rowhouse at the end of a residential block in St. Paul was the starting point for this elaborate residential renovation by the Design Consortium. Of the original interior, only the ornamental mantle, the stair to the upper level and the bathroom plumbing connections were retained. All else is new. The architects began by creating an upper and lower apartment, the lower making splendid use of what had been the 11-foot-high basement space (photo opposite). To make this basement volume fully habitable, the architects threw it open to the level above and borrowed light from the first floor windows. The result is a beautiful space keyed to all the other smaller spaces by carefully studied transitional elements. The delicacy of touch in this renovation is remarkable as is the intelligent use of color to reinforce the linear character of the design and the skillful development of secondary circulation on the raised gallery above.

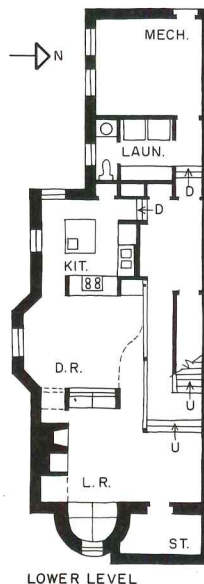
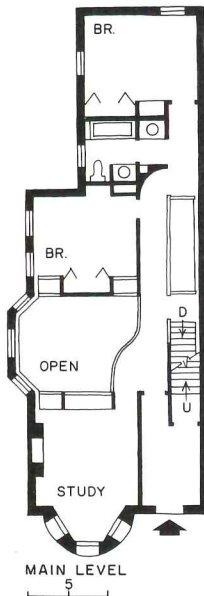
The upper (entry) level provides a private bedroom at the rear, a more open bedroom overlooking the living room, and a private study reached by a warp in the line of the gallery (see photos).

The upper level apartment, when complete, will be a rental unit.

Renovated at a cost of about \$24 p.s.f., the Opp residence is another superb reminder that re-use can produce important economies at no sacrifice to comfort or high visual impact.



Architects: Design Consortium
1012 Marquette Avenue
Minneapolis, Minnesota
James Geisler, project architect
Owner: Roger Opp
Photographer: Phillip MacMillan James





Private Residence
 Napa Valley, California
 Bull Field Volkman Stockwell,
 Architects

This vacation house is set in the midst of a vineyard, shaded by oaks and set off by a small grove of walnut trees. The house, designed by Daniel Volkman and Daniel Chung, somehow looks as if it too grew there; and it seems to say we have plenty of time and plenty of space so let's be relaxed and enjoy it.

Part of this sense of relaxation grows from the planning/massing concept: the house is pulled apart into three sensible sections: a bedroom wing (left in big photo), the larger living-dining-kitchen space, and (right in photo) a separate bedroom-entry-garage component.

These three pavilions are connected only by a trellised open porch, which offers an outdoor space for every room and an immense area shaded from the intense summer sun. Beyond the roof and trellis line, this shaded outdoor space opens in turn to the pool area, outlined by the house and stone walls and defined by the only landscaping and grass area of the complex.

There is a becoming modesty about the forms that make up the house—while they are quite clearly contemporary, they seem to share a character with the barns and hops storage buildings of the area. The major living space is set apart from the others by the long clerestory—a clear signal that this space is different and more important than the others, with their truncated ridges.

And there is an appropriateness to the choice of materials—fieldstone fences, vertical redwood board siding, red cedar shakes on the roof.

While the architects have made all this look easy, there is of course nothing easy about it. If this is a casual house, it is carefully casual—the detailing is trim and precise, and the clerestory and metal chimney are suggestions of a rather more sophisticated interior—which is shown in photos and plan on the next pages.

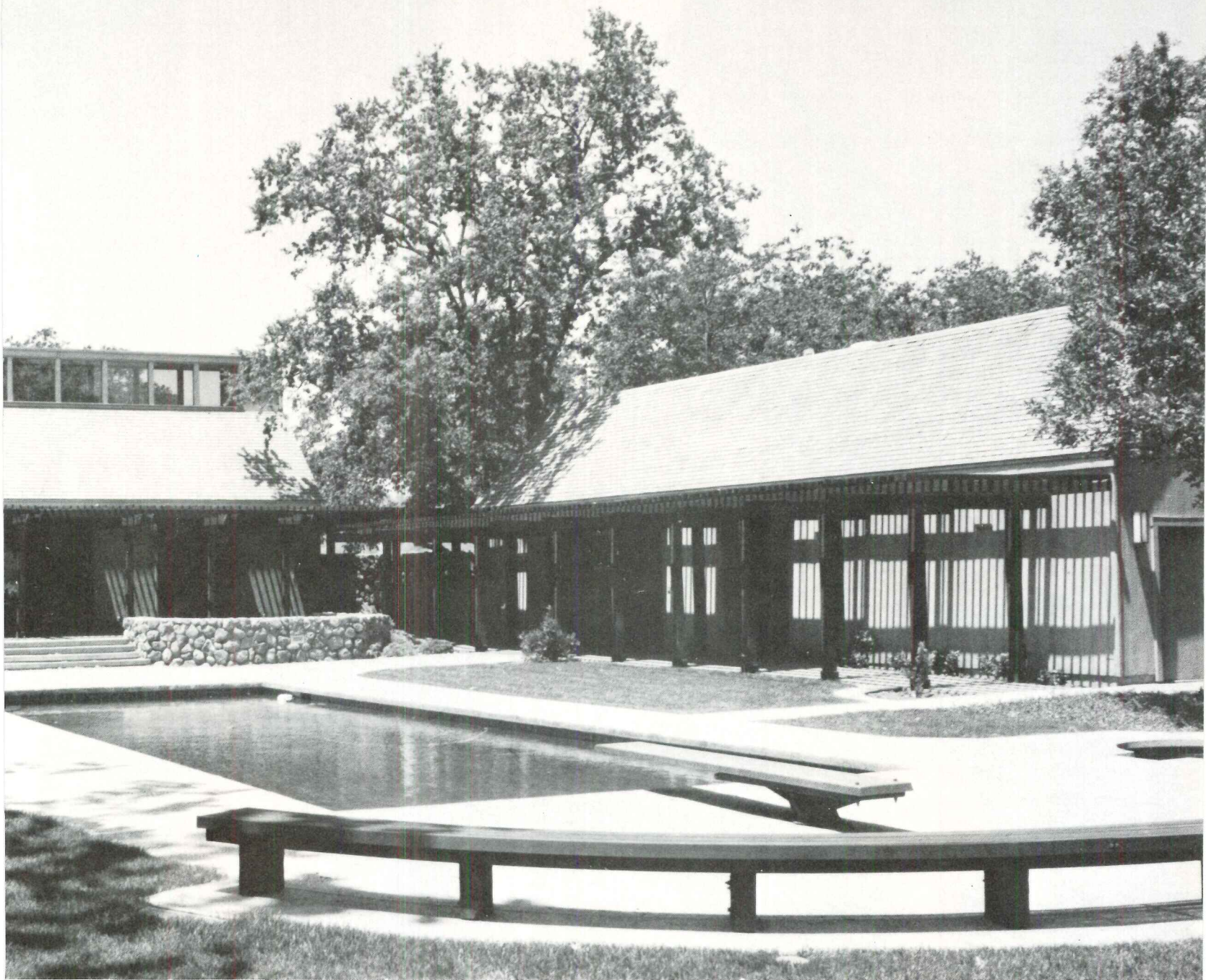


Architects: Bull Field Volkman Stockwell
 350 Pacific Avenue
 San Francisco, California
 Daniel Volkman, partner-in-charge
 Daniel Chung, designer

Engineers:
 L.F. Robinson & Associates (structural)
 Harding-Lawson (foundations)
 Marion-Cerbatos and Tomasi (mechanical)

Landscape architect: Thomas Church
Contractor: Edward R. Palmer
Photographer: Karl Reik

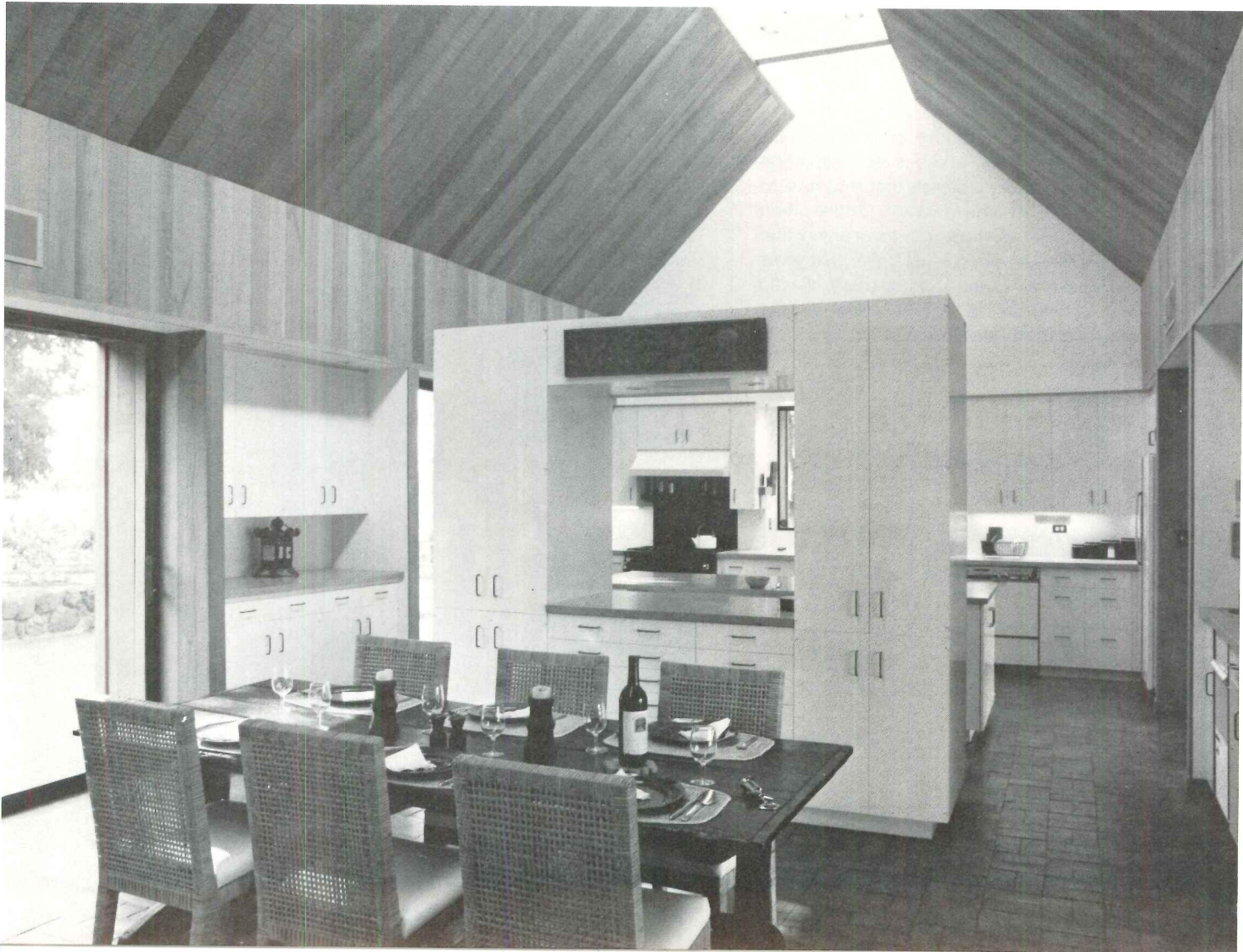
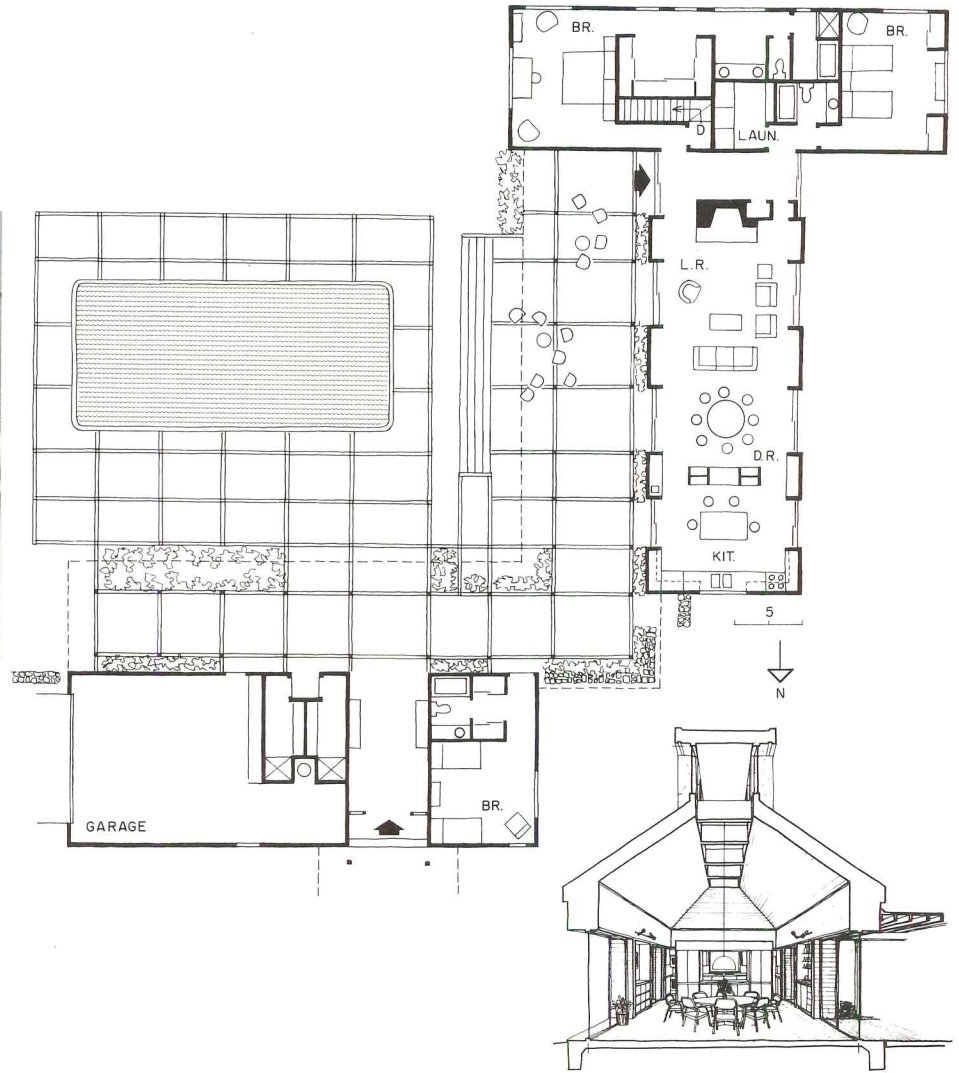








The stretched out plan creates through ventilation in every room and opens almost every room to a shaded terrace and the pool courtyard. In the living-dining-kitchen pavilion, see photos, the clerestory provides constantly shifting patterns of light throughout the space. The walls and ceiling are resawn cedar set off by white painted gypsum board on the end walls. The floor is brick—and this finish carries through the sliding glass doors to the terraces.



Private residence
Northern Connecticut
Johansen-Bhavnani, Architects

The principal influence on this design was the site itself—a beautiful but sharply sloping hillside vexed by massive rock shelves and outcroppings that left only three small areas suitable for building. Using these spots as shoulders, Johansen developed a fragmented plan, piling up rock foundations for each of the three main elements of the plan, then cantilevering the house over these foundations to save as many root systems of close-in trees as possible.

Bringing the parts of the house together—and giving due visual importance to circulation in so decentralized a scheme—are tubes designed in what architect and owner smilingly call “a Budd Car aesthetic.” These wonderfully expressive elements are made structural by bar joists under the floor, and are finished in corrugated aluminum sheet that serves as a foil against the site—a site on which Nature appears to have pulled out all her stops. Where tube and glass wall intersect, a neoprene gasket is introduced to create a seal and water shields keep run-off along the corrugations from reaching the glass wall. Gaskets, shields, grommets and associated hardware are all stock industrial items. Inside (see photos next pages) the tubes are finished, insulated, and fitted with concealed lighting.

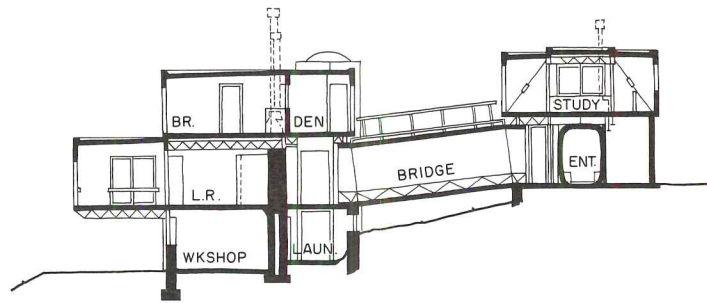
The house is framed in a combination of light steel and wood stud and clad in an asbestos-cement panel with a factory finish used here in several contrasting colors.

The interiors of the main spaces are dressed in gypsum board, slate, field stone and wood plank, materials that return us to the realm of the familiar. More than anything else, perhaps, it is this conjunction of the familiar with the unfamiliar that gives this house its richness, its strength, its fun and, above all, its special claim on the attention of the profession.

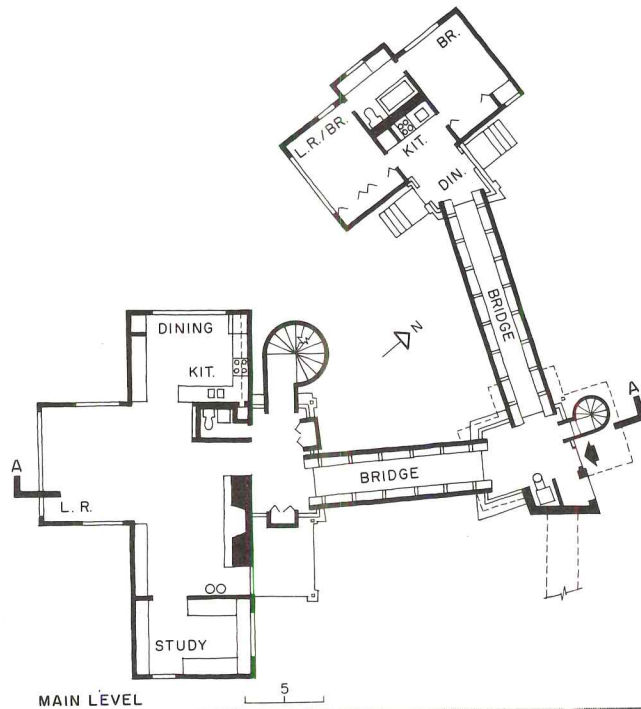


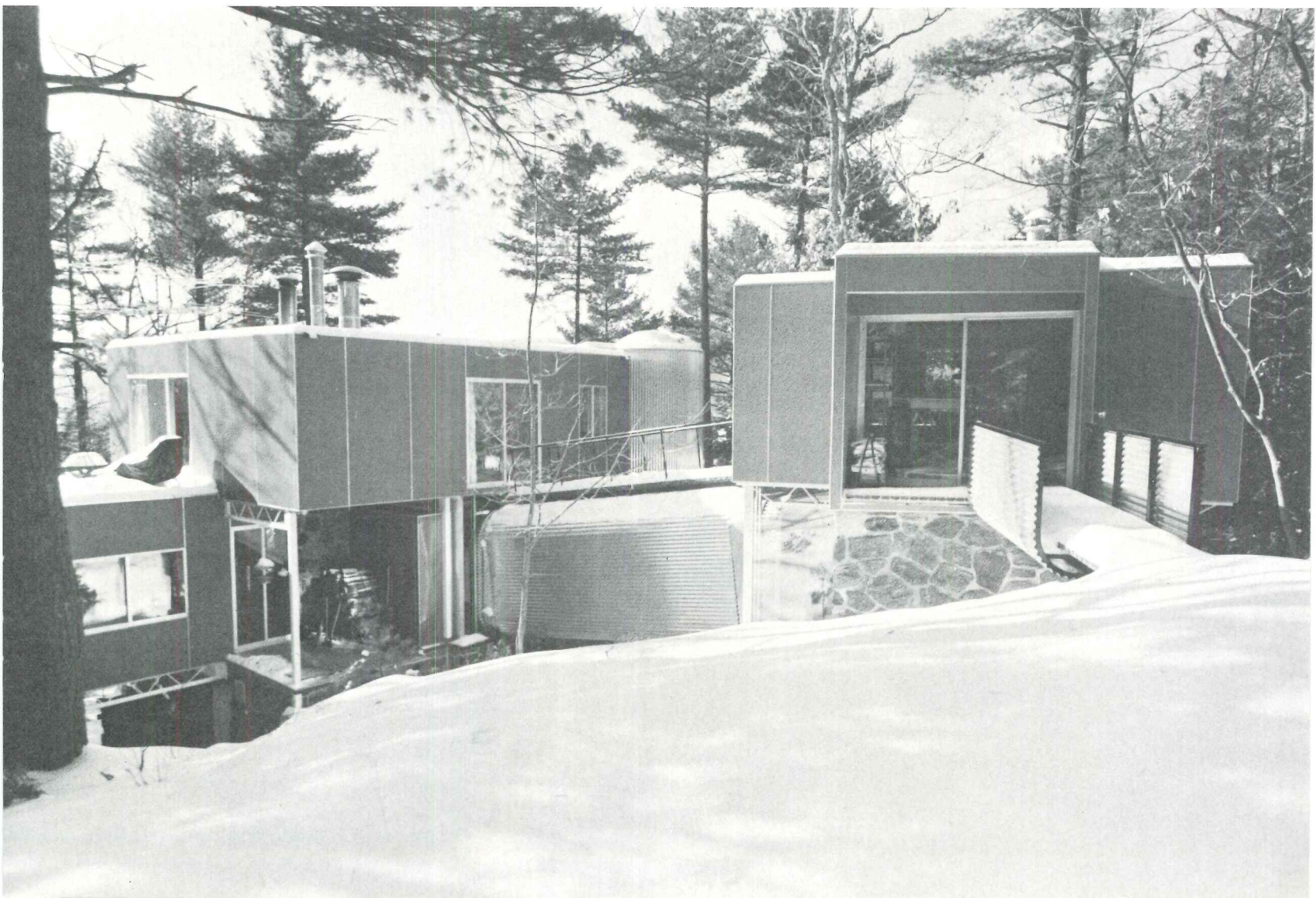
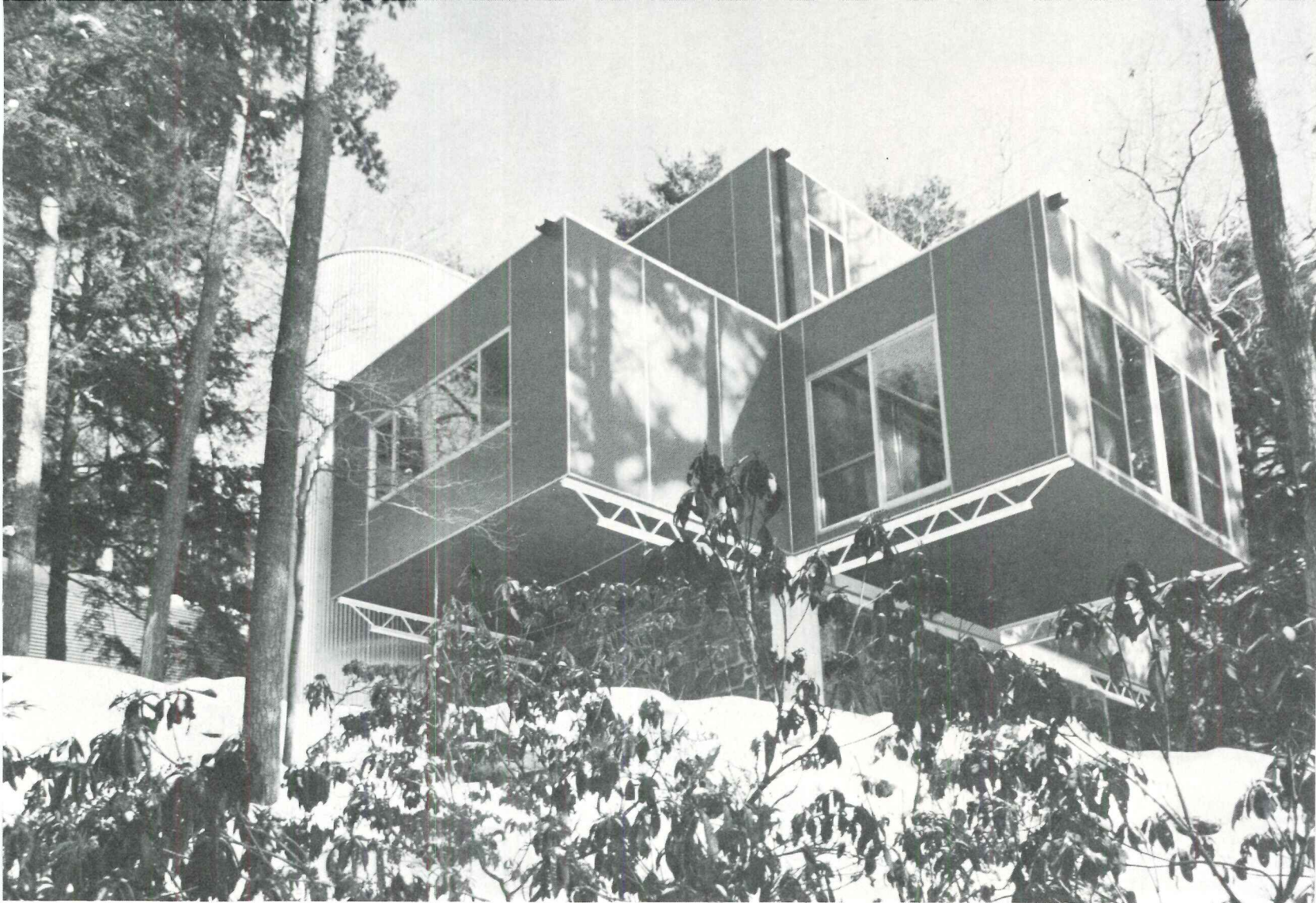
Architects: Johansen-Bhavnani
401 East 37 Street
New York, New York

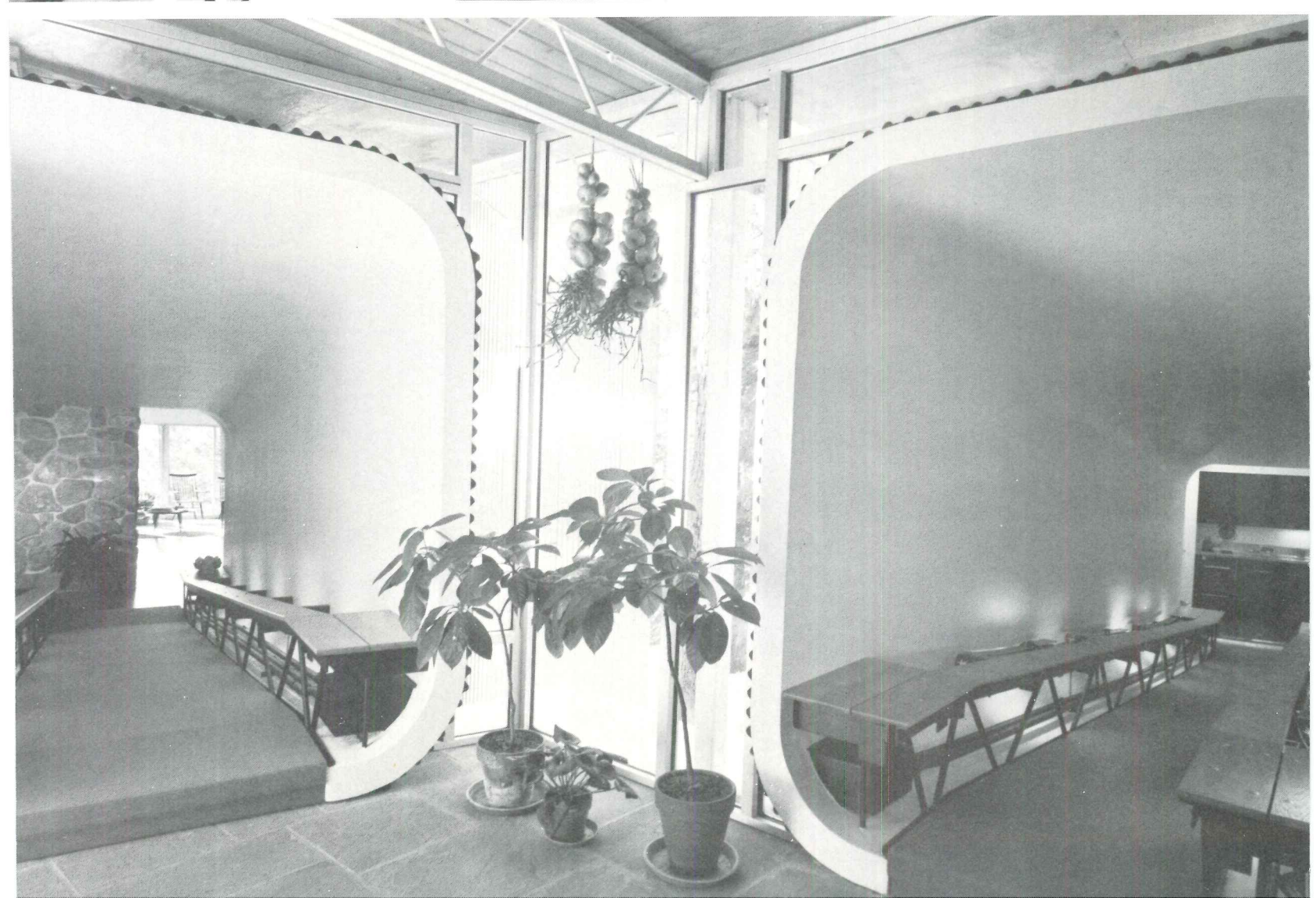
Engineers:
Besier & Gibble (structural)
Flack & Kurtz (mechanical)
Contractor: A. and L. Zavagnin
Photographer: David Hirsch



SECTION A-A







JOHANSEN-BHAVNANI

The closed character of the tubes is in marked contrast to the rest of the house, which is opened almost everywhere to views of the site and the Connecticut countryside beyond. Double glazing is used in all major openings.



Private residence
Park County, Wyoming
Moulton Andrus, Architect

It's a Rocky Mountain kind of high, at this ranch, called Brown Thomas Meadow, where a new house of cedar siding, cedar decking, and cedar shakes has been made to feel right at home at the end of a long, deep river valley full of cottonwood groves and wonderful views.

A cluster of activities has been created. Just across the open decking from the main house are a studio, a guest house, and, beyond these, at the end of a stretch of more decking, is the ranch office.

Sliding glass doors, of generous dimension, open these buildings to the outdoors, and to each other. Sliding barn doors, insulated with foam, allow them to be closed up, independently of each other, accounting for variations in season and occupancy.

While the positioning of this cluster is meant to soften the effect of the prevailing southerly winds, which really howl around here, the positioning of the windows in the loftier spaces is meant to ensnare the pleasurable southerly sunlight, which is rather hard to catch as it is, what with the mountain slopes that enfold the valley. Views of these, nearly straight up, are also caught. So while the disadvantages of the setting, and there aren't many, are kept out, the advantages of the setting, as serene as it is spectacular, are let in.

The main house, on two levels (the ranch office also is), has a singular flowing space around a core of fireplaces, services, and stairs. Structural elements or surfaces emanating from this core are panelled with wood. Other walls are gypsum board, painted. This contrast between the core and the shell deepens the identity, unity, and drama of the space. The guest house and the studio, both on one level, though each also has a loft, are tidy, connective variations on the main material theme of the main house.

That saucer-shaped contraption on top of the ranch office is the antenna of a microwave radio, but other kinds of signals are being sent, too—saying a lot about the enchantment and efficiency of a plain-spoken, honest, handsome architecture. It's not hard to stay a spell, but then, Brown Thomas Meadow *is* one.

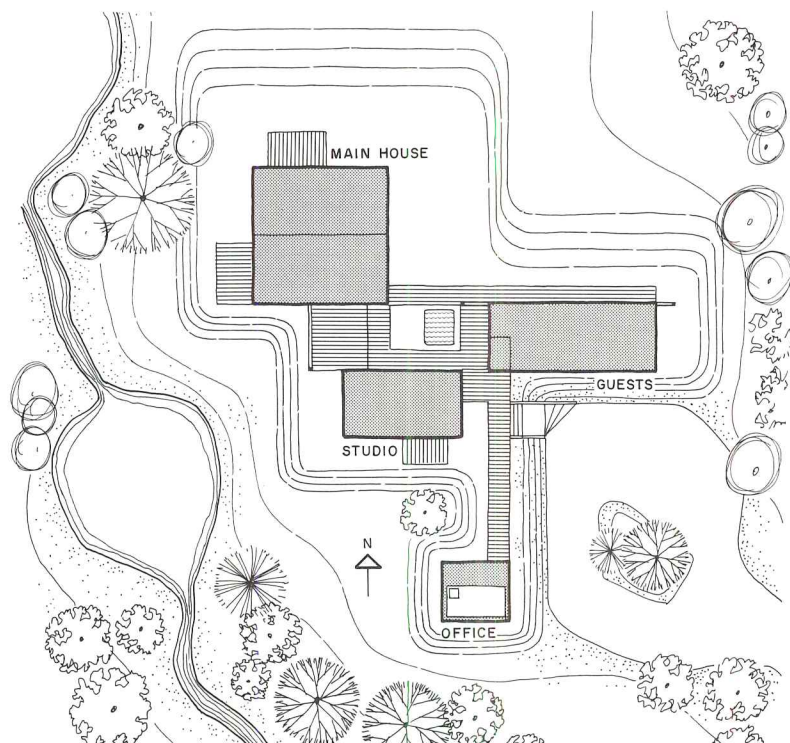
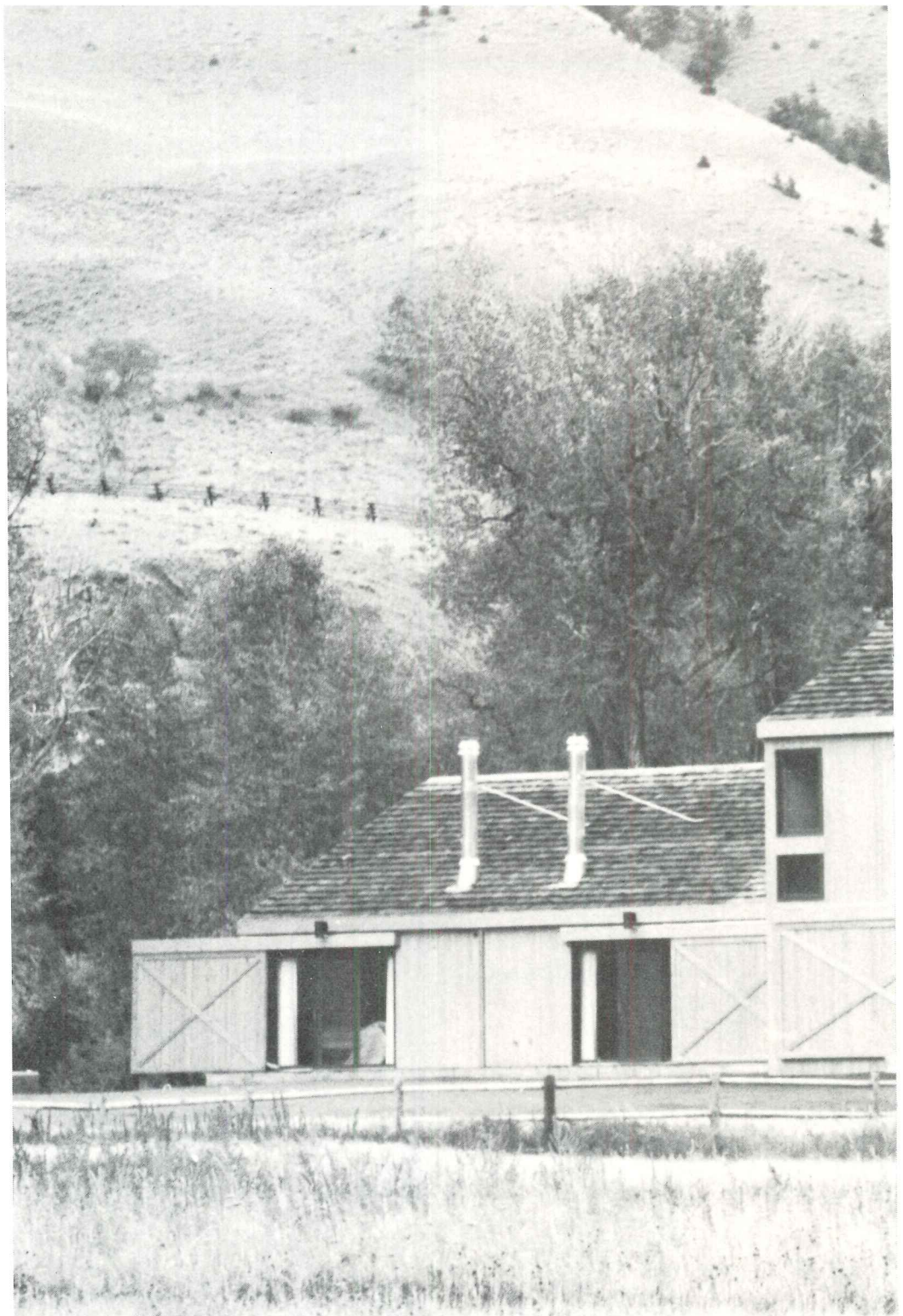


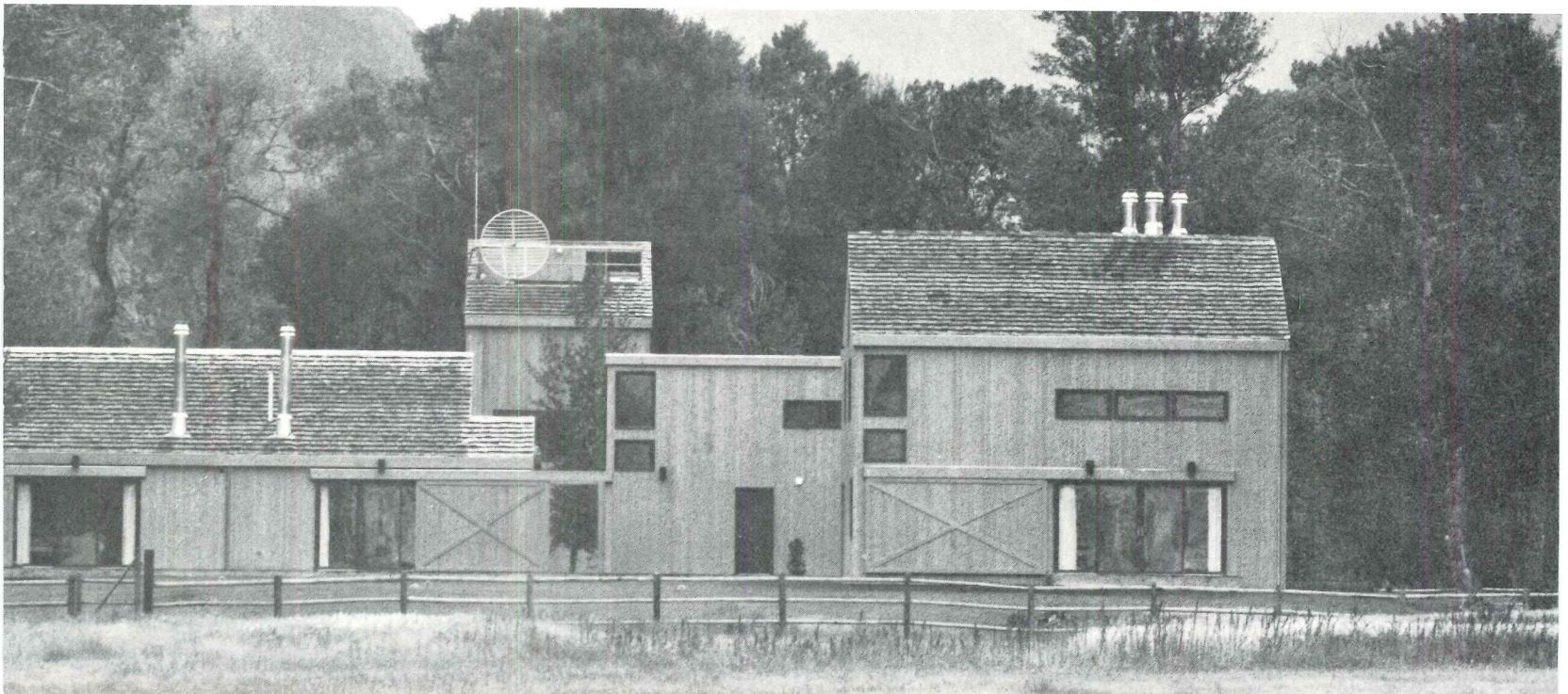
Architect: Moulton Andrus
1421 S.W. 12th Avenue
Portland, Oregon

Engineers:
Burgstahler, Holmes, Carlson (structural)
Ron Niswander (mechanical)

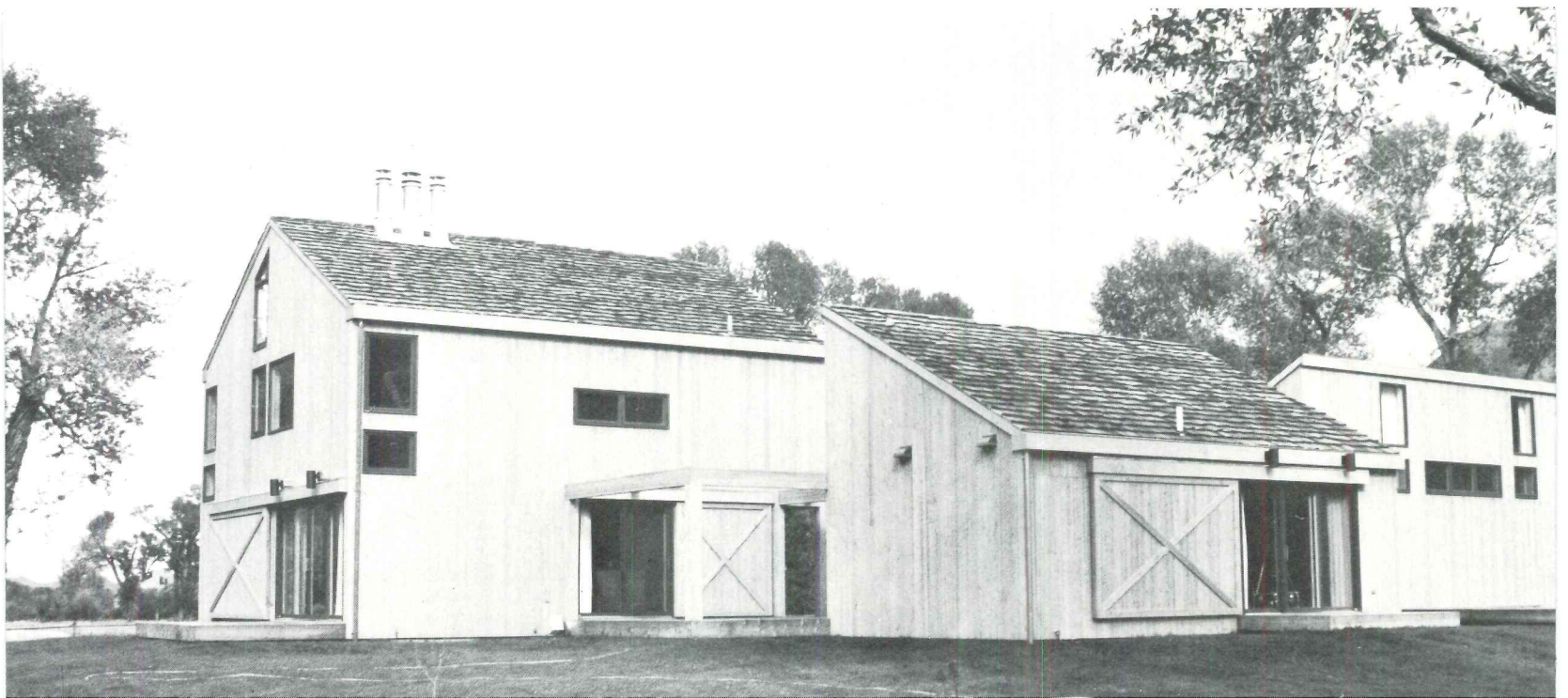
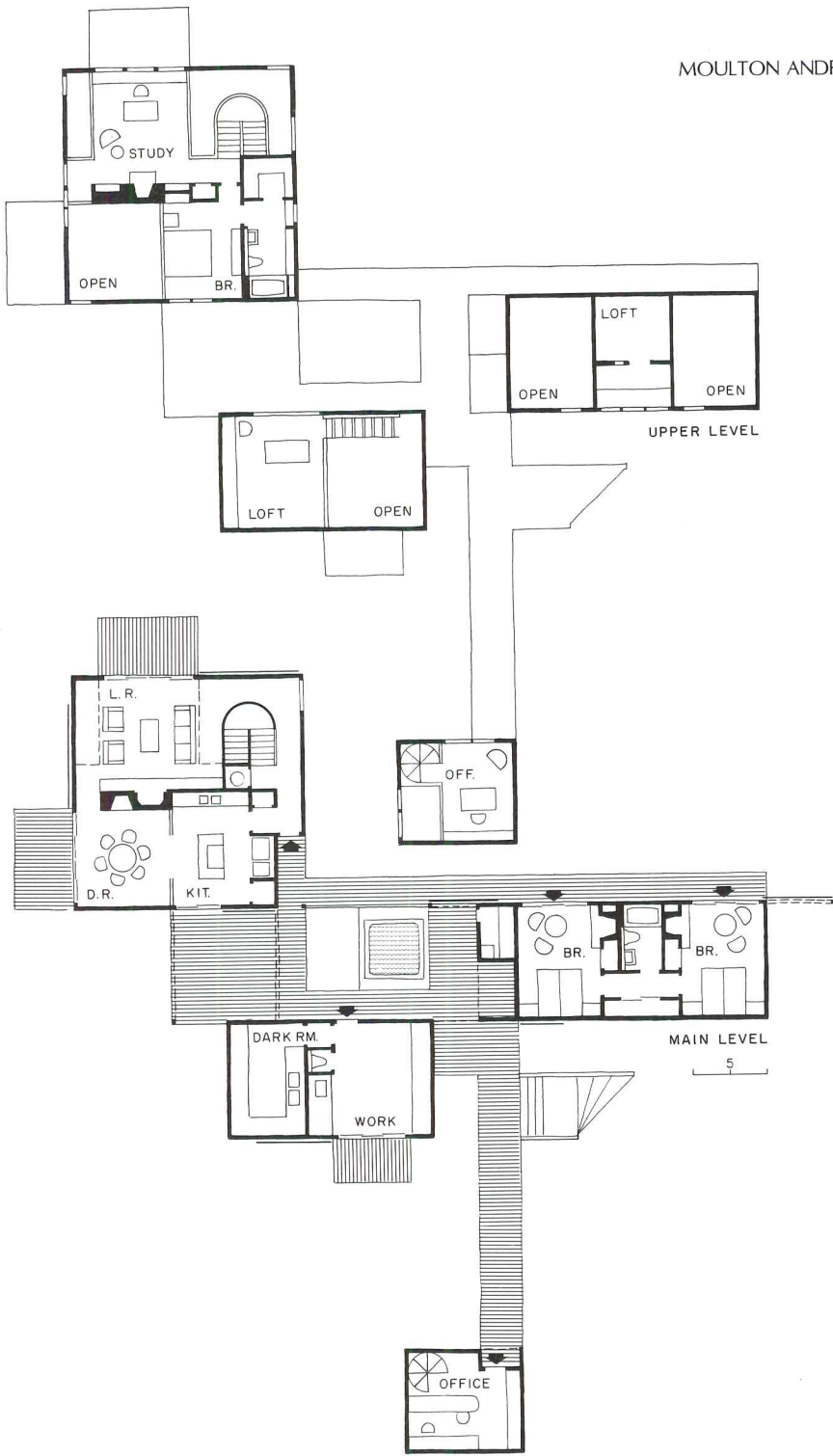
Contractors:
Don Hicks
Nic Patrick (ranch office)

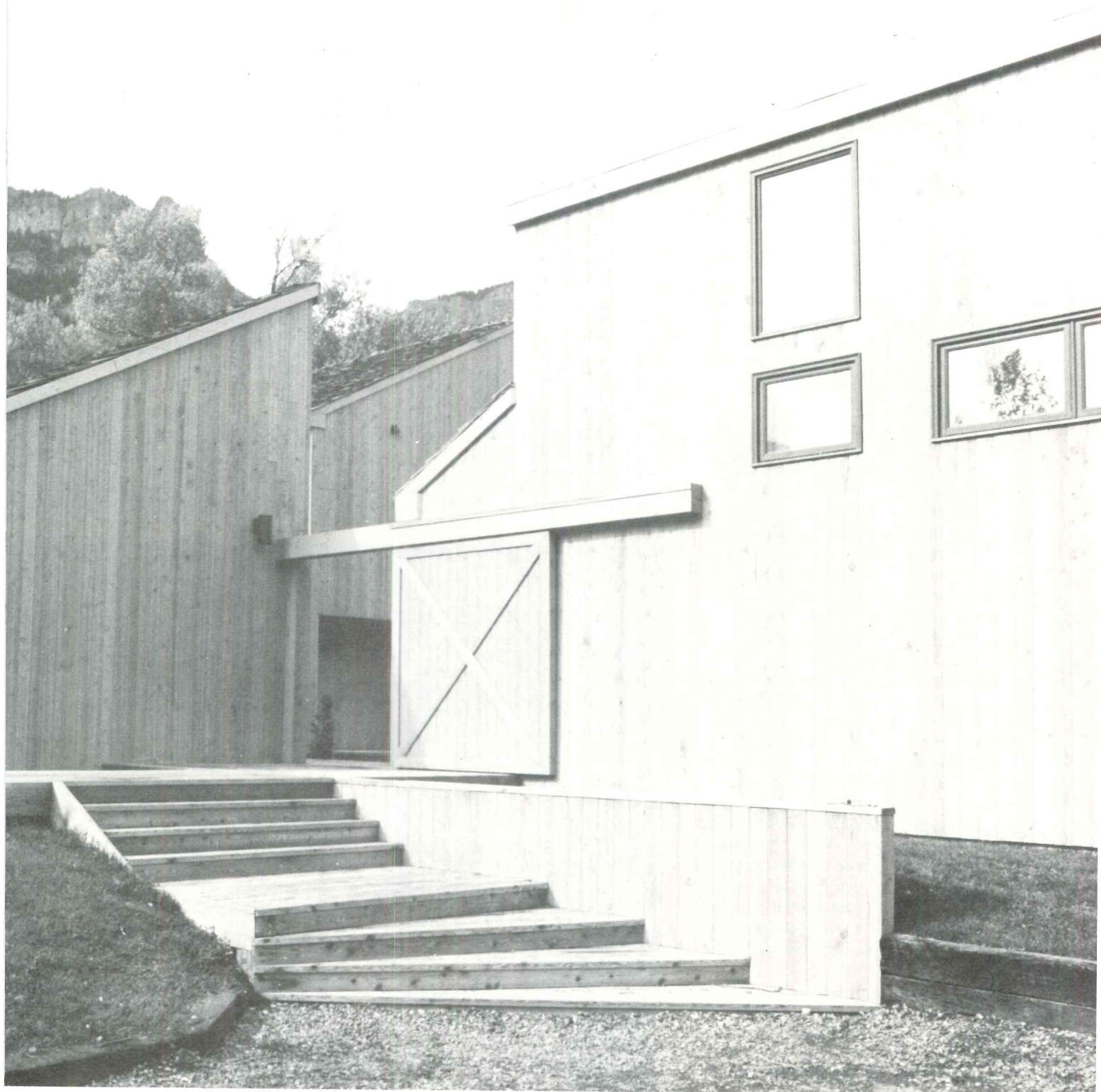
Photographer: Moulton Andrus





MOULTON ANDRUS





The congenial, clustered character of the ranch is quickly, quietly confided, moving up the entrance steps (above), and through an unpretentious portal between the studio on the left and the guest house on the right. The main house is beyond these (left), across the wood decking which runs between, connects, and integrates all the buildings. Built on two levels, the main house, which is one space around a core of fireplaces, services, and stairs, is both cozy and cosmic. The study, for example (right), lets on to the material and structural nature of the architecture in a plain-spoken way while letting out to the natural elements with restrained, strategically placed openings. Without any cloying rusticity, it is a place of its place, with both a memory and a vision.



Klein Residence
 South Miami, Florida
 Donald Singer, Architect

For a heavily-wooded and irregularly-shaped site of two acres, architect Donald Singer has designed an 8,000-square-foot house, which (along with a tennis court and swimming pool) fits into the lush subtropical vegetation with the least possible disturbance. Indeed, this vegetation so completely surrounds the house and its adjuncts that they are virtually invisible from the street and the neighbors.

An initial decision was to place all of the rooms on one floor to maximize contact with the outdoors, despite the large ground coverage that this decision entailed. The floor is gently stepped away from the foyer (middle photo) and down the site—which slopes eight feet from end to end. This arrangement not only accommodates the natural conditions, but allows increased height for the large living-dining area (photo, opposite) under the single-level roof.

There are three distinct zones for the various rooms and these house bedrooms for the children, a large guest-parent suite (which with its own kitchen can function independently from the rest of the house) and a large living-dining area for an active social life and entertainment schedule. In the latter area, the adjacent swimming pool is extended inside a sliding glass wall (bottom photo) to enhance a sense of festive contact with the outdoors. Similar contact is provided by the many decks which surround the house and extend into the dense foliage—such as the deck between the owners' sitting room and the living room (top photo).

The structure of the house is an adaptation of the local usage which is a concrete frame with concrete block infill and a stuccoed finish. Instead a deep exposed concrete beam extends around the structure and rests directly on the exposed concrete block walls. The beam spans openings and provides a structural tie for the walls. Laminated wood decking spans between the concrete beams except in the 40-foot-wide living room, where laminated wood beams are used. The suspension hardware for the sliding glass wall at the swimming pool was specially fabricated to eliminate a bottom track and form a weather seal with the water.



Architect: Donald Singer
 224 S.W. First Avenue
 Fort Lauderdale, Florida

Owner: Mr. & Mrs. Joseph Klein

Engineers:

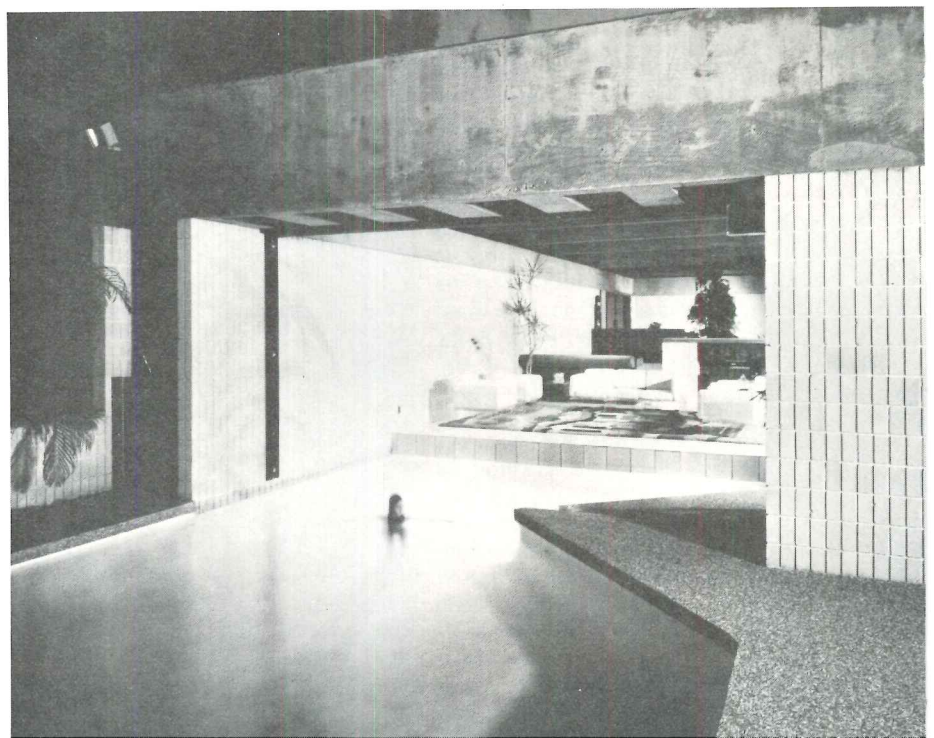
De Zarraga Donnell, Inc. (structural)
 C.E. Bailey Associates (mechanical)

Landscape architect:

W.T. Bradshaw

Contractor: Edwin Vihlen

Photographer: Dan Forer



Riley house
 Guilford, Connecticut
 Moore, Grover, Harper,
 Architects

For this evergreen, stone-chocked New England site, architect Jefferson Riley designed his own house using traditional materials and time-honored building techniques. It is a tall house (four stories including basement) and it rises in a complex profile of setback and projection in each elevation. Dormers protrude from the sleepy pitched roof, adding to this sense of complication, and all exterior surfaces are richly mottled with shadow.

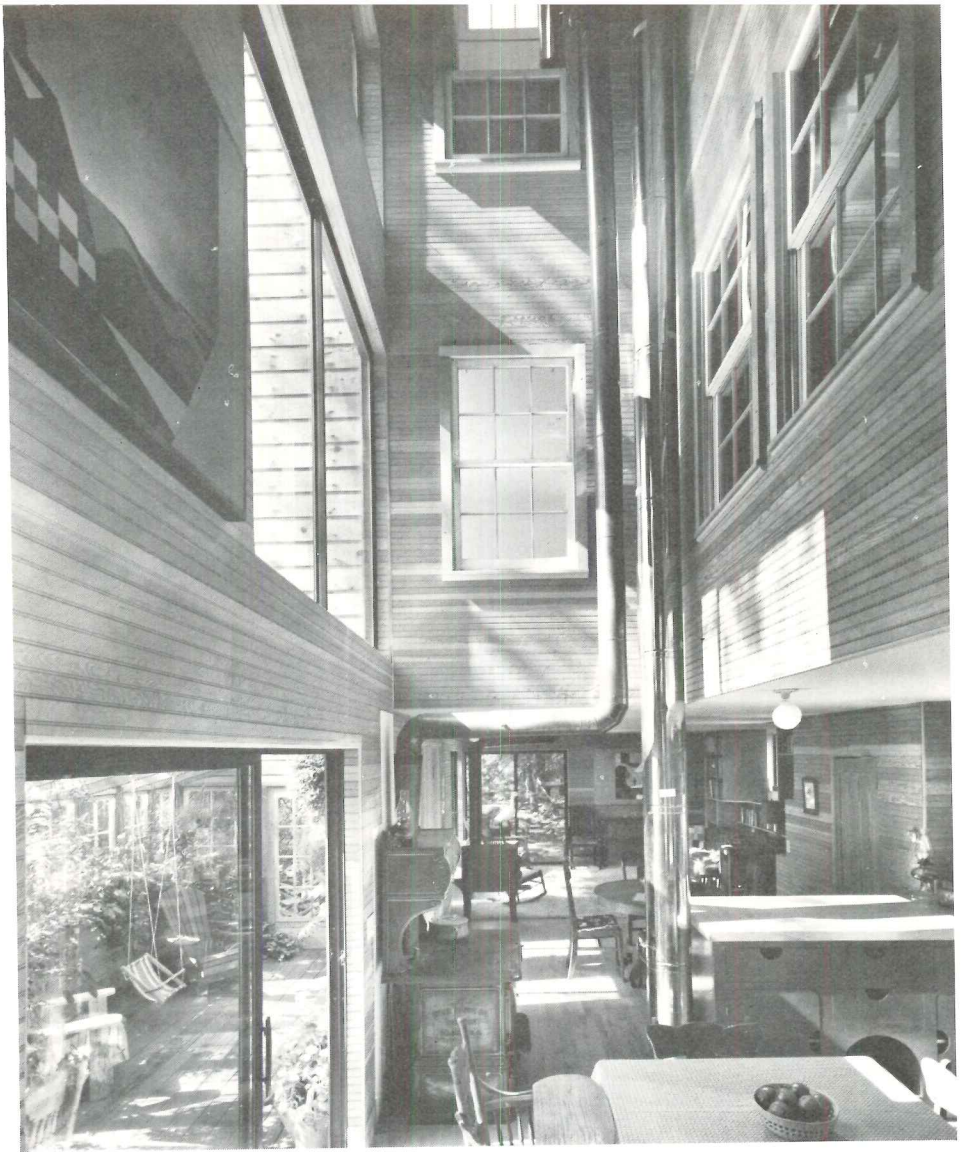
The south-facing gable end of the house is opened generously to the sun. The greenhouse below and the varied openings above fill the tall space behind with natural light and warmth. Surplus solar heat collected in the greenhouse is circulated along the insulated foundation wall and stored for radiation at night. The second and third floor bedrooms are set back from the exterior wall but open through windows to the tall space, thus taking advantage of light and view without additional heat loss. Supplementary heating is provided by wood stoves in the kitchen and living room. These stoves vent through the roof and the tall flues accent the verticality of the design.

The volumetric liveliness of the Riley house comes from the interplay of intimate spaces with the unexpectedly tall central space and additional fun is provided by unlooked-for details for double-hung windows on interior walls or a panelled wood door leading to the greenhouse.

Of his non-mainstream approach to design Riley says: "The house with its long gable roof, its double-hung windows, its red-stained clapboards, its central chimney, its over-all bilateral symmetry offset by asymmetrical parts, makes numerous allusions to colonial houses indigenous to its New England context. Yet we did not reproduce these traits by rote, but found joy in assembling them into a unique composition with contemporary strivings of its own."



Architect: Jefferson Riley
 Moore, Grover, Harper
 Essex, Connecticut
 Contractor: Essex Builders
 Photographer: Norman McGrath





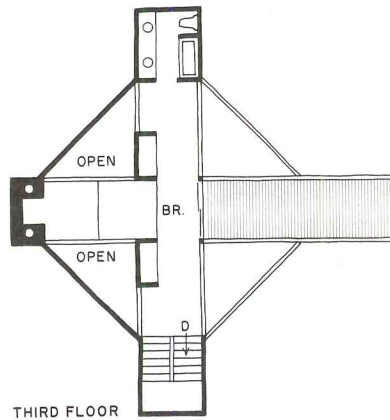
Marcus House
Chappaquiddick Island
Myron Goldfinger,
Architect

Three vertical shafts and a narrow, projecting deck give this Massachusetts vacation house its lively, characteristic massing. The shafts contain stairs, baths and triple-stacked flues, together arranged in a triangular plan that forms a rigid structural frame. It is a tall house, closed on two sides against weather and open to a panoramic water view on the third. The main living spaces are on the middle level lifted just above surrounding treetops and the parents' bedroom (designed as a pair of intersecting bridges) is located on the level above. The long deck, which steps out so purposefully over the landscape, is an extension of one of these bridges and points directly toward Nantucket Island in the distance.

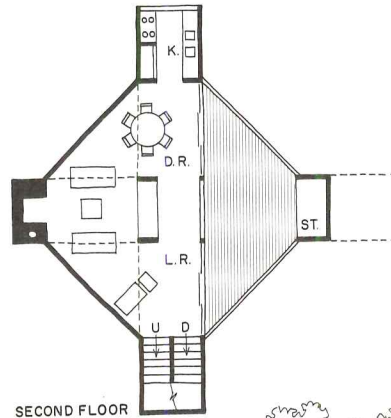
The play of triangular and right angle forms gives the massing unusual energy. The interior spaces derive much of their sculptural excitement from the intersection of bridges and the lines of force they generate so freely. The master bedroom, more of a spatial event than a room perhaps, is the climax of the design and celebrates its importance by opening to almost everything: the main living spaces below, the view to the horizon, the sky above.

The detailing throughout is clean-edged but explicit. The structure is wood frame over a concrete foundation using self-bracing forms as protection against high winds. The exterior finish is weathered cedar laid up vertically throughout. Gypsum board is used for partitions and ceilings, quarry tile for all floors, fir plank for all decking.

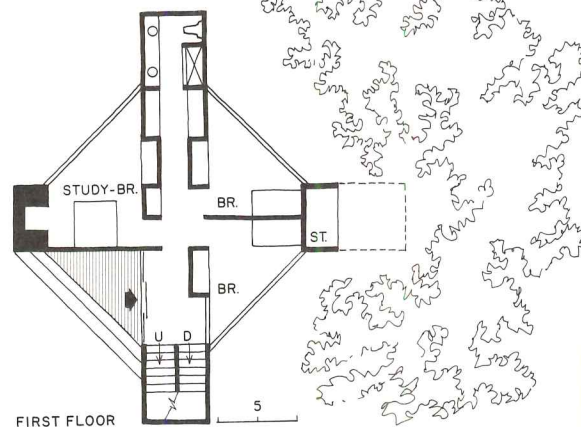
Future expansion, if necessary, will be in the form of a half-unit attached to the house at the stair shaft.



THIRD FLOOR



SECOND FLOOR



FIRST FLOOR



Architect: Myron Goldfinger
333 East 30th Street
New York City

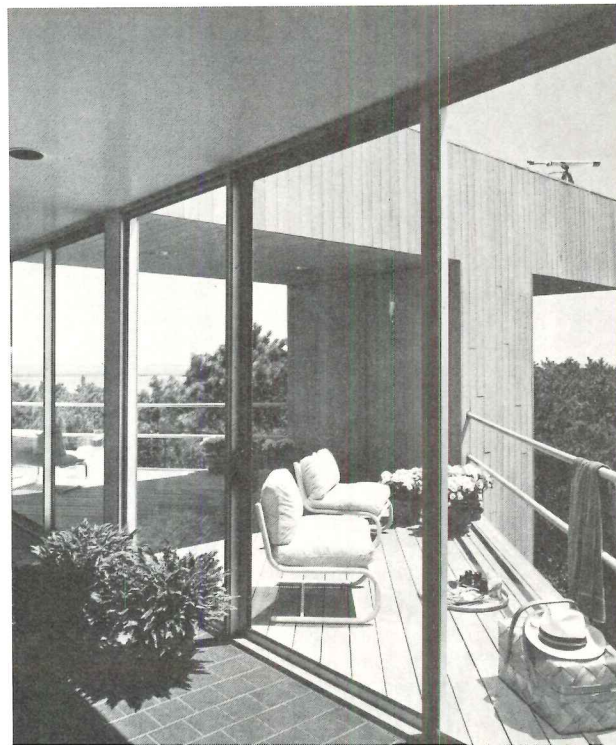
Owner: Ira Marcus

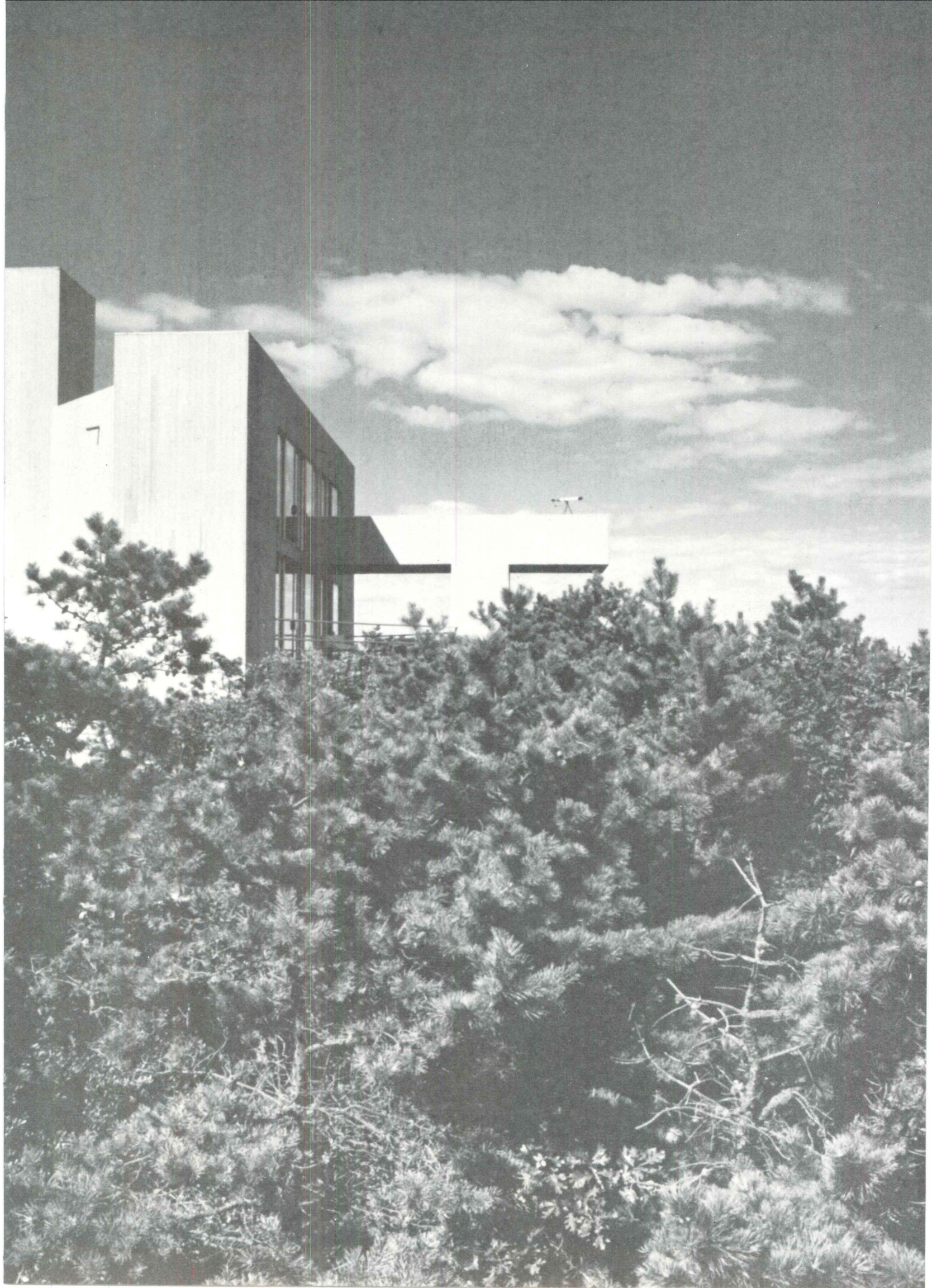
Engineers:

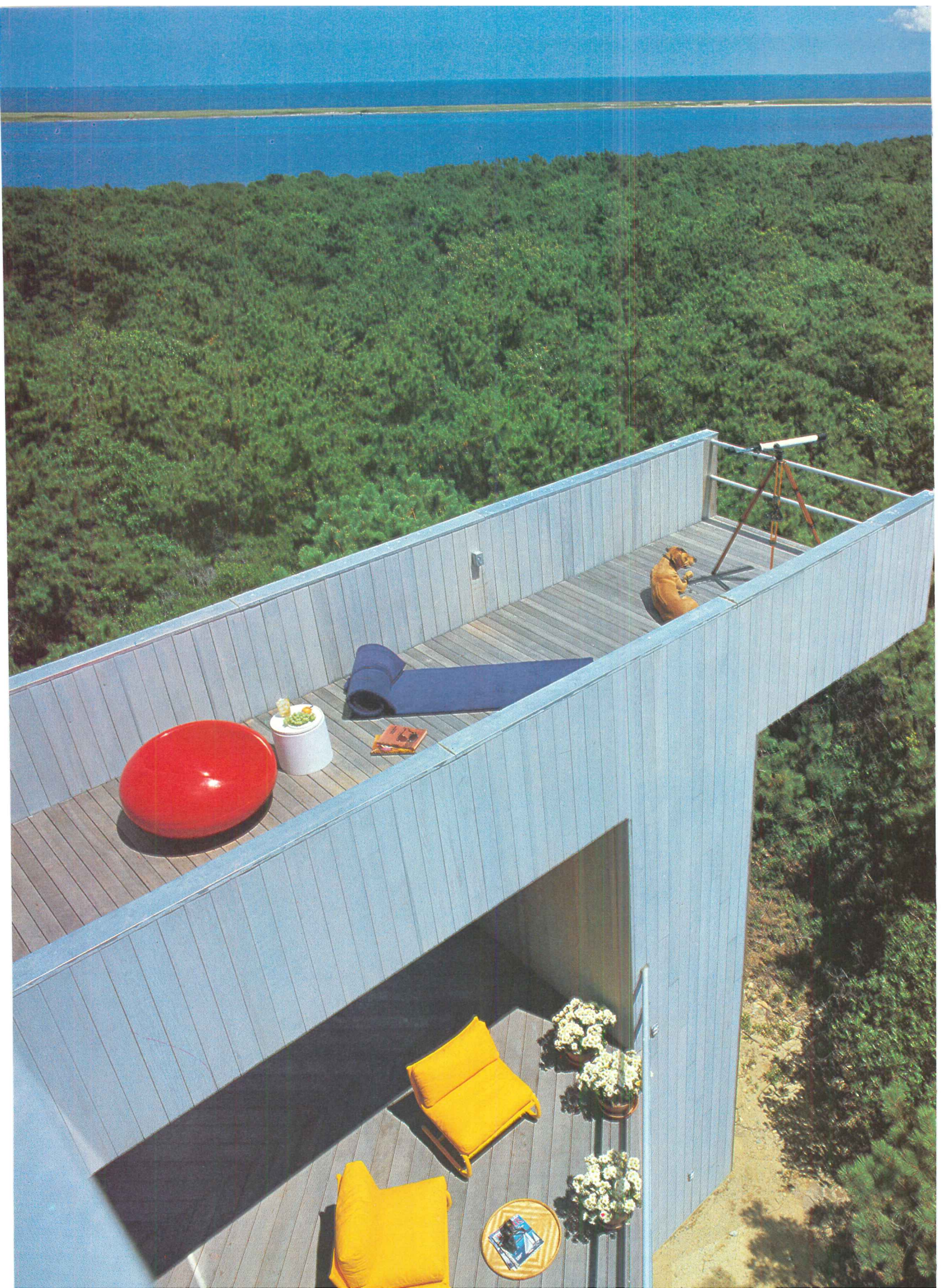
Richard Balsler (structural)
George Casper (mechanical)

Contractor: K.T. Galley Co.

Photographer: Norman McGrath
Courtesy of House and Garden







MYRON GOLDFINGER

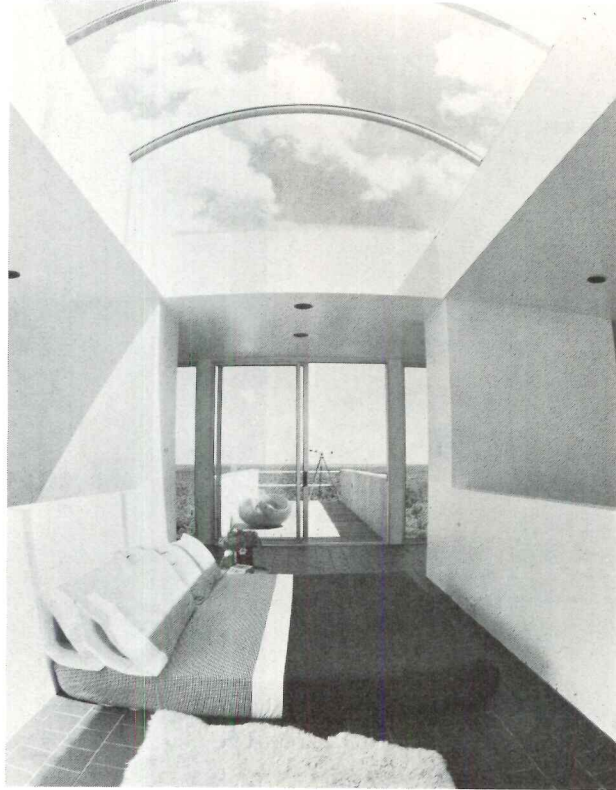
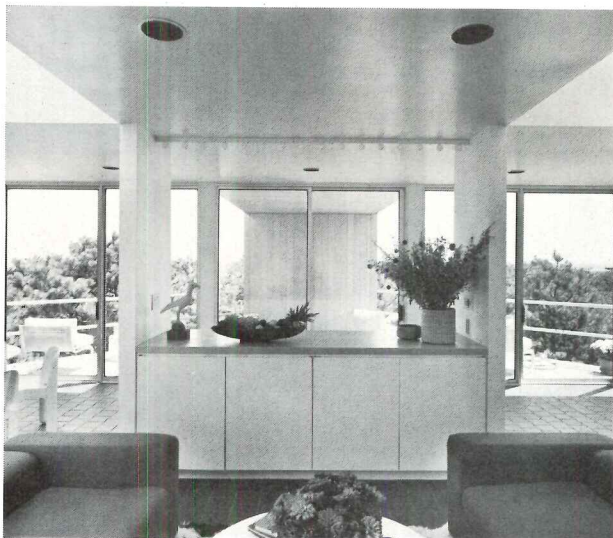


Photo above (also on cover) shows the upper level master bedroom formed by the intersection of the two bridges. The architect reports that the owners do not mind the unrestricted sunlight from the plastic vault over the space. The view of the night sky is more than compensating.



Whitton/Dailey Residence Watermill, New York Alfredo De Vido, Architect

The owners of this Long Island house are two women, one of whom operates a house plant consulting firm. The greenhouse is therefore both a business necessity and a center of domestic activity. It forms an extension to the living room on the second level facing south, and can be isolated at night from the rest of the house by sliding, double-glazed windows and doors to prevent excessive heat loss. Many plants, tolerant of temperatures in the mid-forties, endure the nightly temperature drop without difficulty.

The house is opened extensively to the south and east, but virtually closed to the north. The carefully-studied pattern of openings results in a passive solar system in which sun-warmed air is collected through the greenhouse and other windows facing south or east to be released—slowly—at night.

For summer cooling, roof lines are sloping to permit venting of the house through several operable roof windows on the west side. Heated air is also drawn out through lower windows by a negative vacuum which results in a natural draft through the house on warm summer days.

Like other houses by this architect, the design is a lively exercise in wood construction. Projections and setbacks animate the exteriors and give the feeling that a lot is going on inside. And so it is. The interior spaces are particularized, each carefully shaped around its primary function and all are brought together into easy, comfortable spatial relationships—the relationship between living room, greenhouse, dining area and kitchen being especially happy here.

The selection of finishes and the detailing are carried out with a sure hand, and with careful attention to both maintenance requirements and budget limitations.



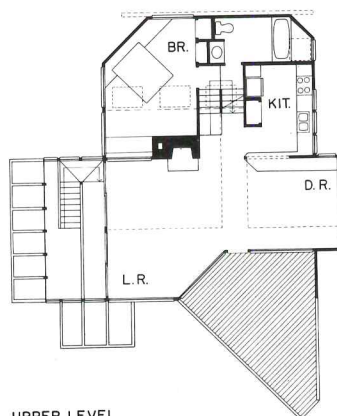
Architect: Alfredo De Vido
27 West 53rd Street
New York, New York

Owners: Lynn Whitton and Diane Dailey

Engineer:
Charles Thornton (structural)

Contractor: Mark Mathews, Inc.

Photographer: Eliot Fine

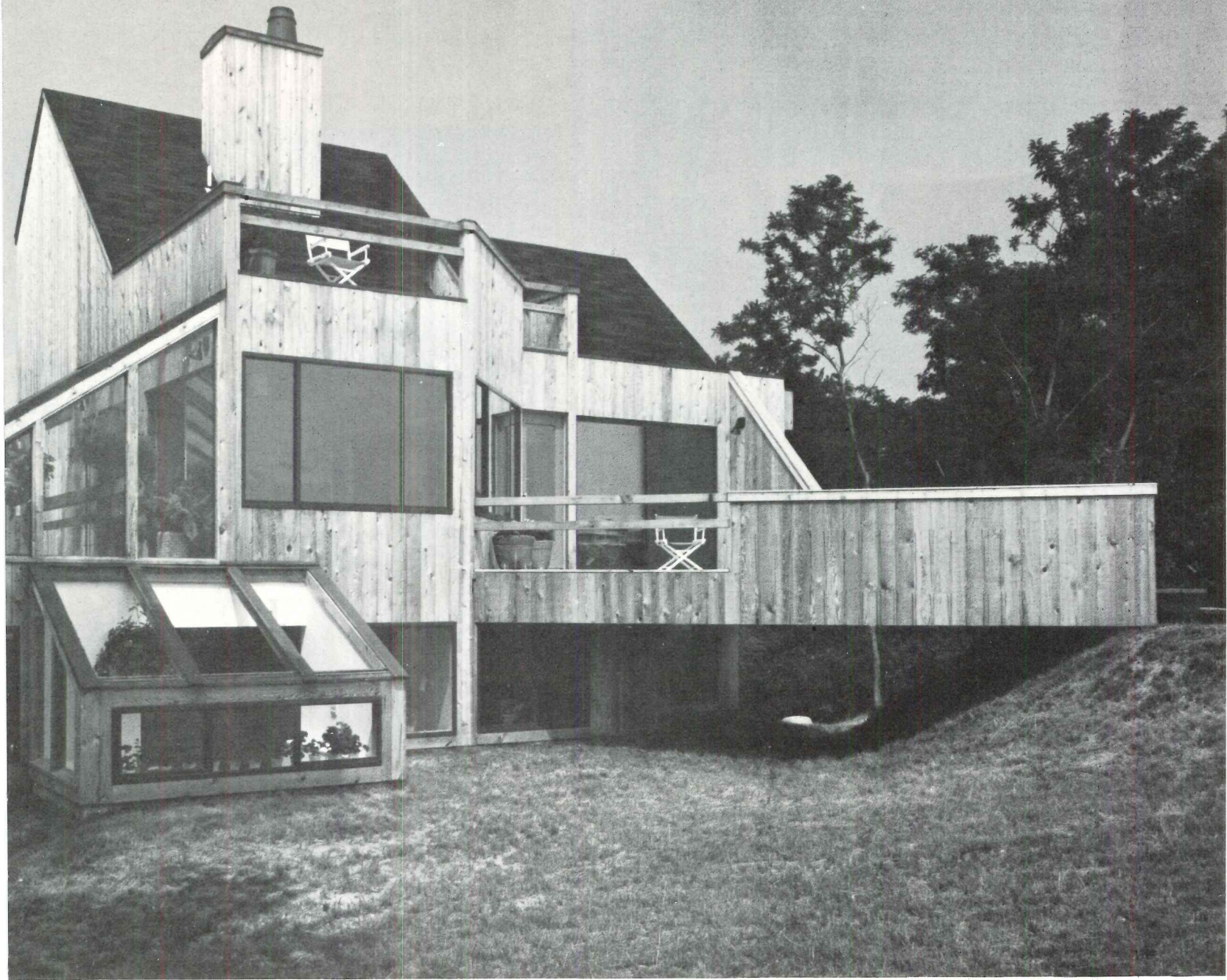


UPPER LEVEL



LOWER LEVEL

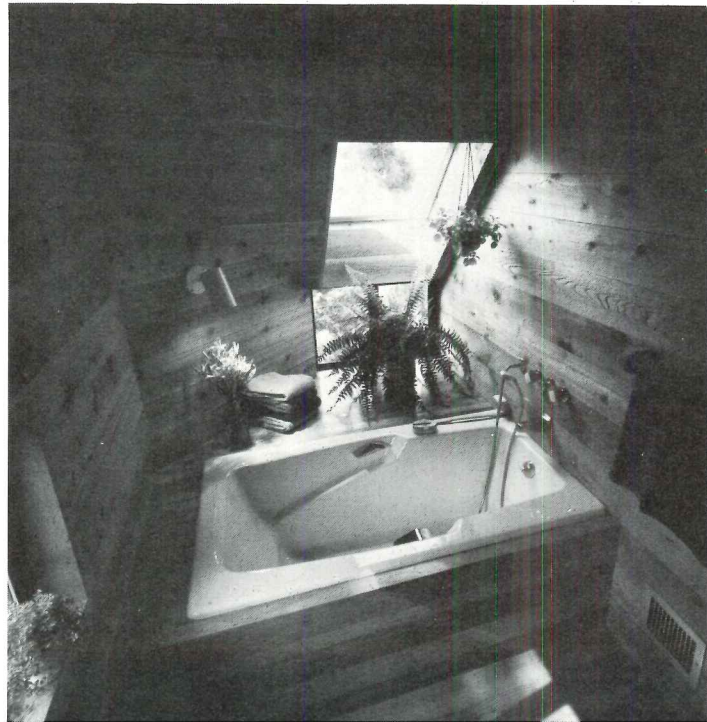






ALFREDO DE VIDO

The interior spaces of the Whitton-Dailey house are energetically expressed. The separations between rooms are often more implied than real: ceiling slopes, counters and columns being used as elements of definition (see photos this page and right). House plants are used effectively to add color and richness to most of the spaces. Up and down lighting fixtures were architect designed.





Cohen Residence
 South Orange, New Jersey
 Marcel Breuer and Associates

Despite an architectural axiom that difficult sites stimulate good design, this site remained empty in an established residential section of South Orange, New Jersey, because prospective builders found the topography discouraging. The terrain slopes sharply upward from the front of the lot, and a ravine that accommodates run-off from uphill neighbors runs across the site near the street. Any solution necessitating infill and drainage would have been expensive as well as damaging to the natural beauty of the rather rugged landscape.

By placing the house at the top of the slope, architect Herbert Beckhard managed to kill two birds with one stone: he avoided the problem of the ravine by simply letting run-off flow through a culvert under the driveway, and he satisfied the owners' request for visual privacy from the street by screening the house with the numerous mature trees already on the site.

The owners also requested the separation of adult and children's activities so as to allow both generations to entertain guests at the same time and in their own fashions. The binuclear plan places the more formal adult wing on the lower slope, while the rear wing, which meets grade at the back yard, contains common family areas and children's rooms. These wings are joined by a glass-walled link that serves as both entry and circulation hall.

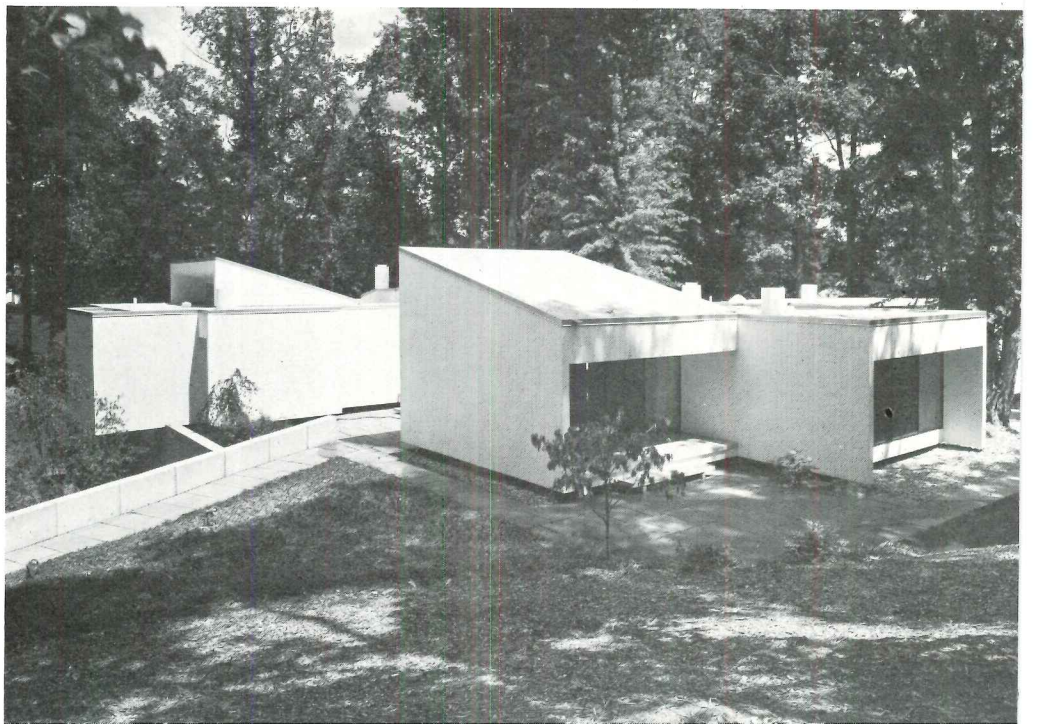
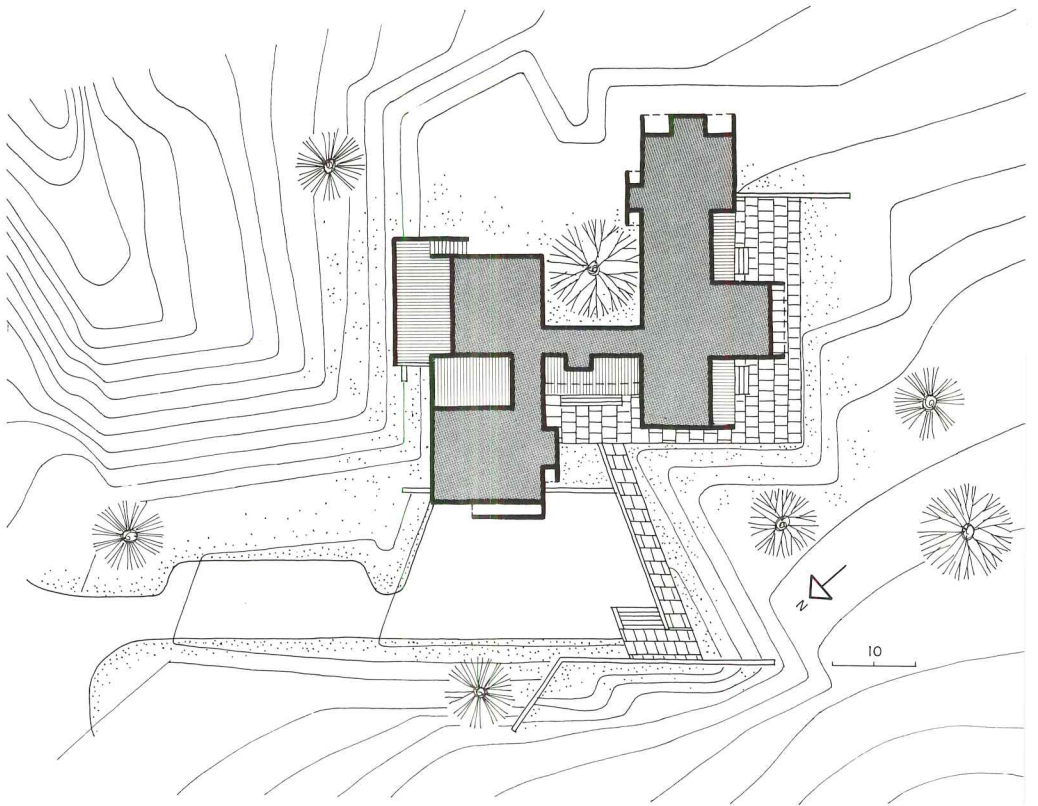
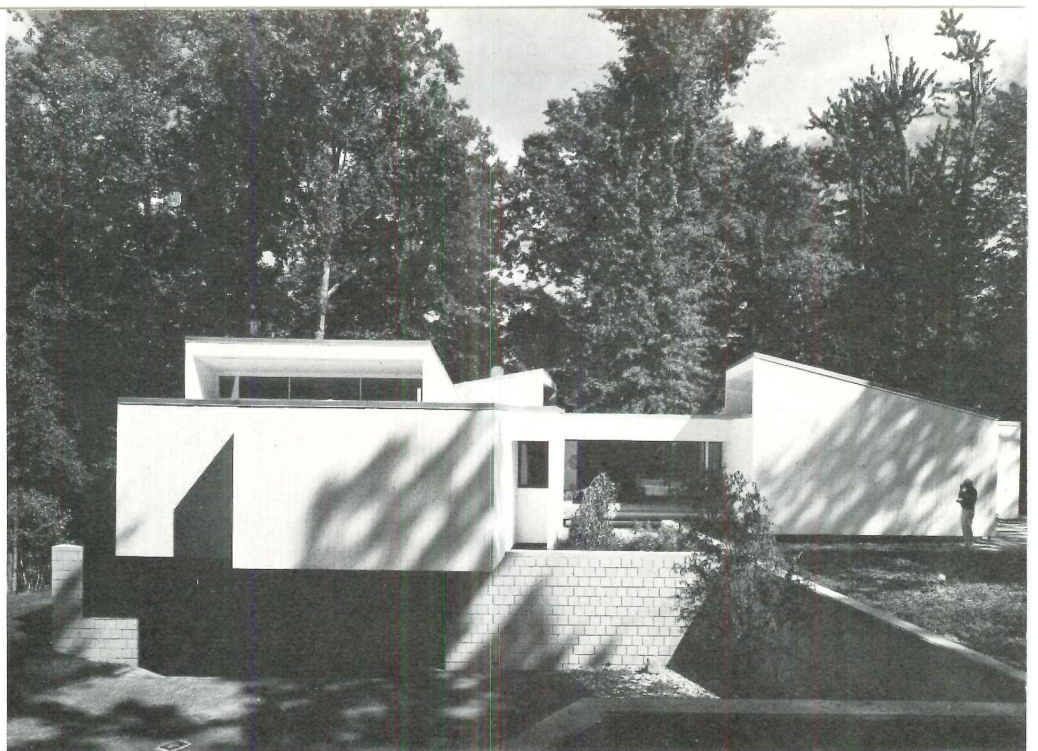
The architect positioned glass areas carefully to maximize privacy and to minimize the material on exterior walls (an energy-conservative measure). Glazing is generally screened by baffles or is set well back into the building volume and thus protected by walls and overhangs.

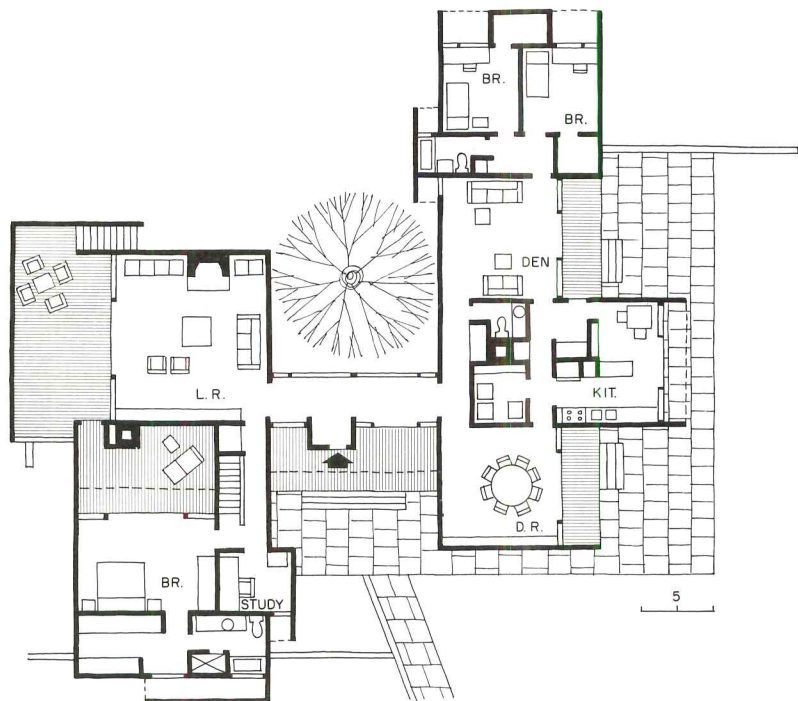
The placement of glass also offered a number of esthetic opportunities for massing, for modeling and, on the interior, for natural lighting. Apart from the visual interplay of plain white walls and voids created by recessed decks and glass walls, clerestories give an ordered complexity of form to the roof line and balance interior daylight.

Finish materials reflect the easy elegance and graceful comfort characteristic of the design. Interior walls are white plaster accented with natural cedar siding on some walls and ceilings.



Architect: Marcel Breuer and Associates
 635 Madison Avenue
 New York, New York
Partner-in-charge: Herbert Beckhard
Associate: Donald Cromley
Owners: Mr. and Mrs. Arthur Cohen
Interior design consultant: Jane Yu
Contractor: Stephen Scott Co.
Photographer: Gil Amiaga





Private residence
The Sea Ranch, California
Donald Jacobs, Architect

This new house at The Sea Ranch (100 miles north of San Francisco) was designed to focus all views from the interior on the domineering natural elements of the region—the Pacific Ocean and the California coastline. Orienting the house to this prime view also created privacy, visually blocking from sight a well-trodden trail to the east, a neighboring house only 20 feet to the west and a less interesting view to the north. The entrance, therefore, was located (along with the garage, partially sunken into the knoll site to minimize its bulk) on the north, highlighted by operable wooden barn doors (not shown), reminiscent of older structures in the area and early designs at The Sea Ranch. Two decks were also positioned with southerly exposure; these are very private, partially hidden by the building's frame which, in addition, cuts out strong winds from the northwest.

The owners wanted open interiors with a "gutsy" structural feeling, a criteria which led to the development of a strongly expressive series of interior spaces. These were organized around an open, central spine, 16 feet high (the maximum height limit in the development), and the rooms overlooking the corridor have framed views through the main living space. Trusses were employed to span broad spaces in the living, dining and kitchen areas, not only to create spaciousness but to lend the proper ambiance the clients desired. (Track lights mounted on the trusses cast shadows across the main living area when lighted at night.) Spatial variety is subtly handled by roof pitch and a variation in floor levels, devised despite no appreciable slope on the site.

With 80 per cent of the glass on the southern elevation and the open nature of the spaces, the house acts as a solar energy collector, measurably reducing energy consumption. Typical roof, floor and wall insulation, and dark tiled or carpeted floors retain the sun's heat—so much so that the clients say the house rarely needs more than a fire in the central fireplace to maintain warmth throughout. The exterior is of California redwood, the interior of Douglas fir.



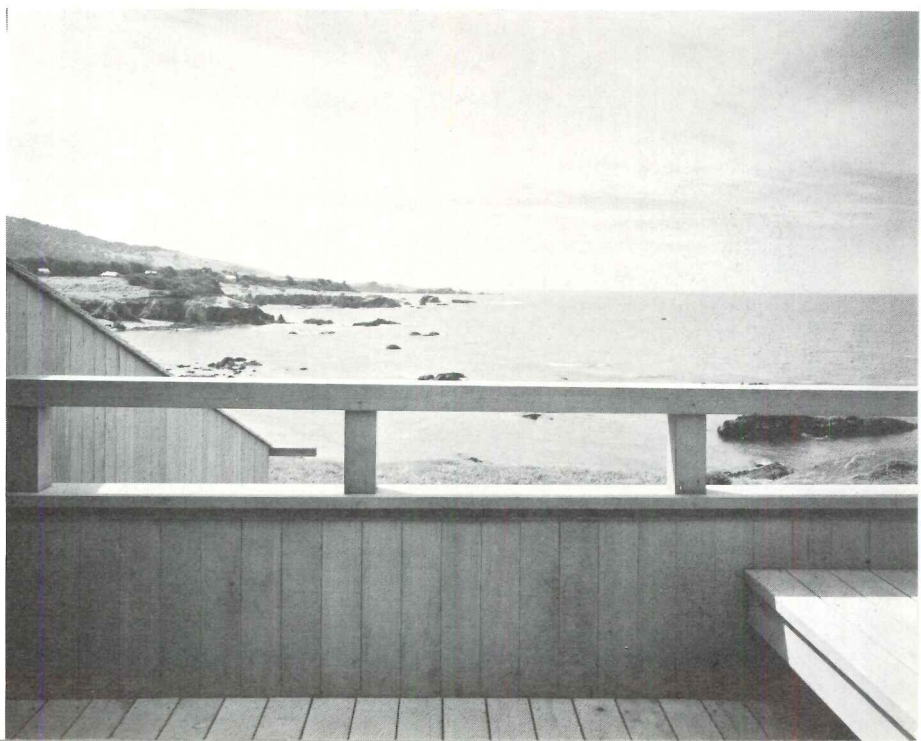
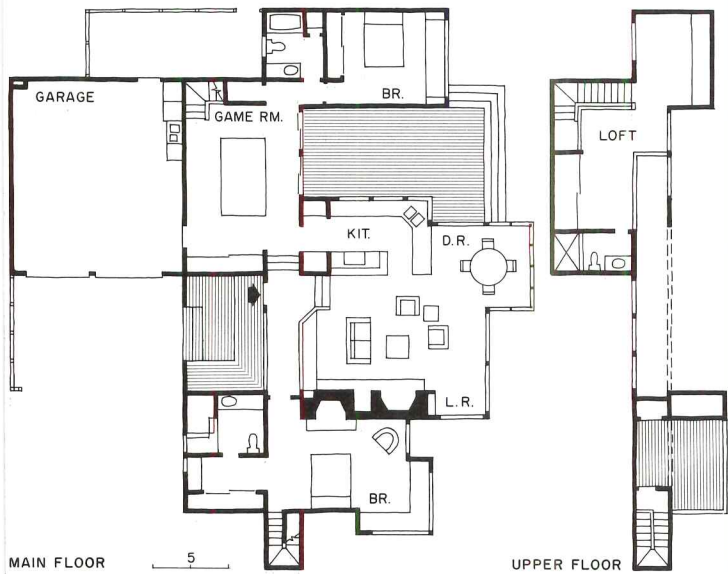
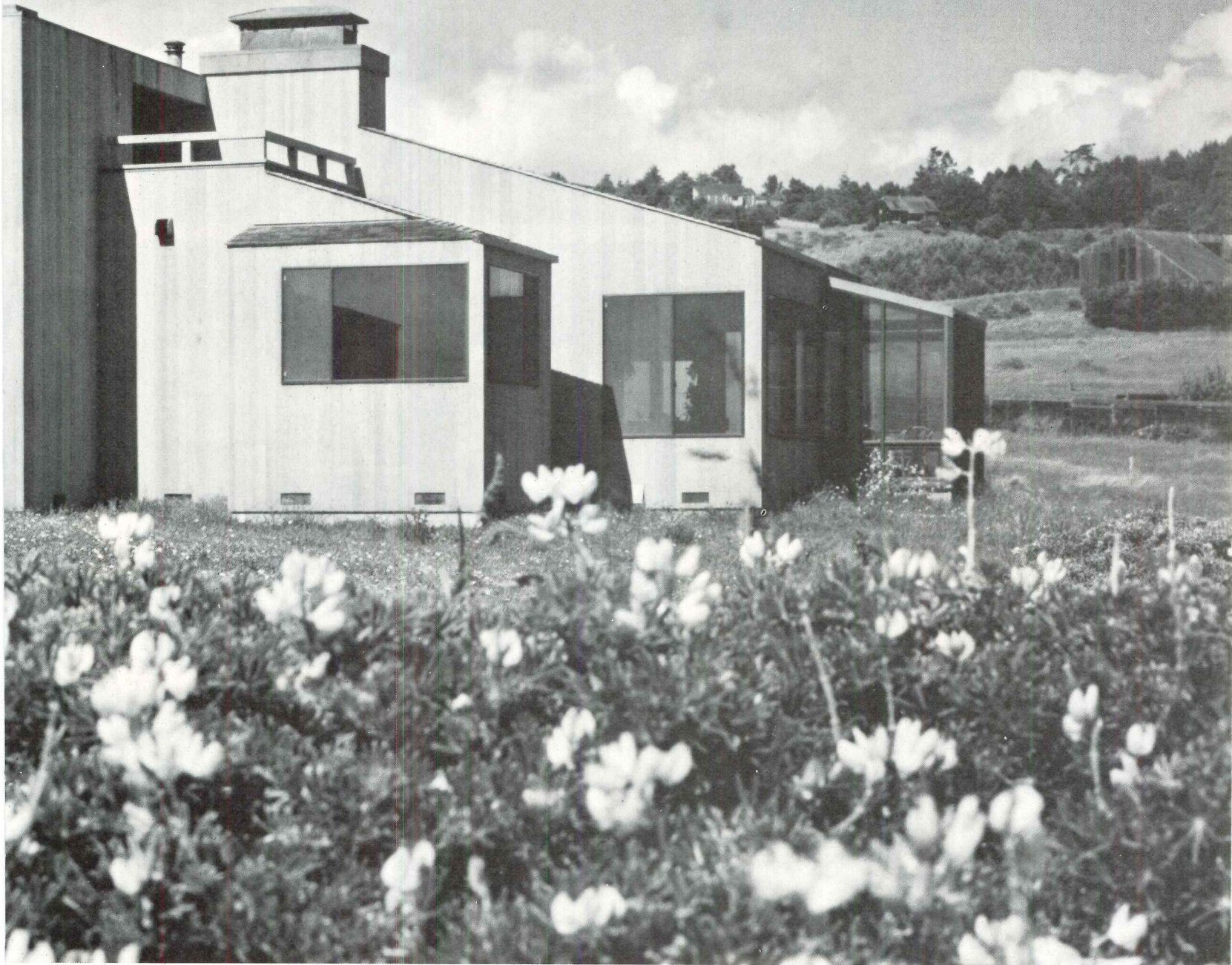
Architect: Donald Jacobs
1000 Annapolis Road
The Sea Ranch, California

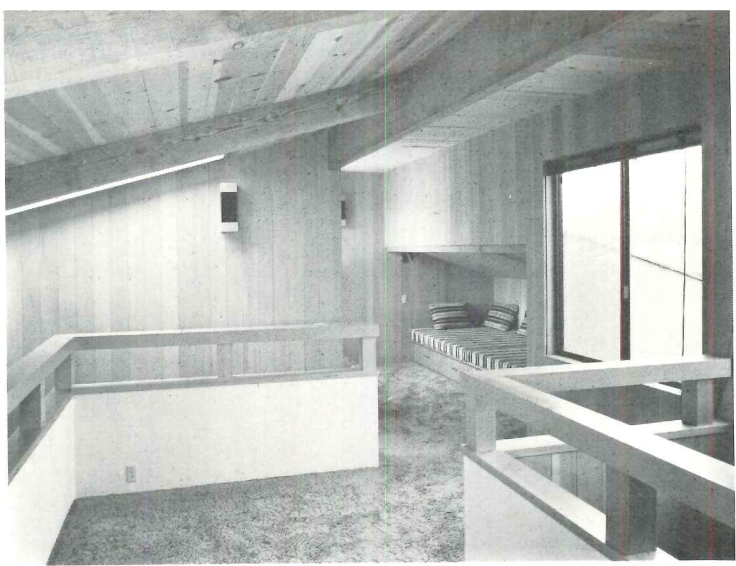
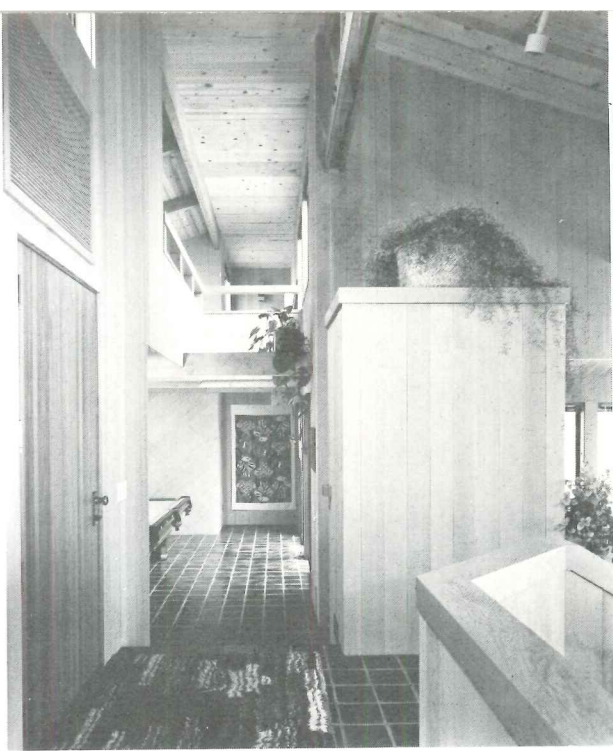
Structural engineer:
Fook Z. Lee

Contractor:
Robert Miller Construction Co.

Photographer: Merg Ross







DONALD JACOBS

The whole house is designed to focus on the ocean views to the south—and by spreading out the spaces along a central spine every room (except baths) has such a view. The spine also enhances efficient circulation from the entrance (above), passing the pool room to the loft (top right), to the master bedroom (right), or to the main living area (bottom and opposite page). The open interior and subtle level changes frame these views from all points.





Private Residence
 District of Columbia
 Hugh Jacobsen, Architect

This Washington, D.C. house for a retired couple is erected on the last vacant lot in an established residential district just a few blocks from the city's ceremonial center. The triangular site—used for years as a dump for fill by contractors of neighboring houses—falls off rather abruptly at one edge, and Jacobsen used these contours to advantage. He sited the house along that edge to elevate one long facade. The segmented massing responds to the property line and the offsets (each one half the unit width), give the house an agreeable scale.

In its 2000-square-foot area, the house accommodates all the basic residential requirements except a garage and provides, in addition, a painting studio that can double in the future as an extra bedroom and bath. To conserve space in a plan that is already efficient, Jacobsen introduced a counter-weighted trap door in the living room floor (next page) that opens to a basement stair. The openings in the walls are generous, but each is carefully oriented to avoid sightlines to surrounding houses that crowd in closer around this site than the photos seem to suggest.

Of the detailing, there is little to say except that it is Jacobsen at his best—which is very good indeed and very imaginative. The narrow line that defines the roof joists is a continuous eave vent. The "pop-out" kitchen window is made of a single sheet of clear plastic bent at 45 degrees and installed without mullion at eye height or other visible trim.

The house is wood frame, clad mostly in plywood sheets that were site-scored to match the 1×6-inch siding used in the gable ends to simplify flashing. The transition from plywood to plank, as you can see for yourself, is practically invisible.

The entire exterior is cloaked in white, a "color" that carries its purity through to the interiors where it contrasts richly with quarry tile and brighter-colored furnishings.



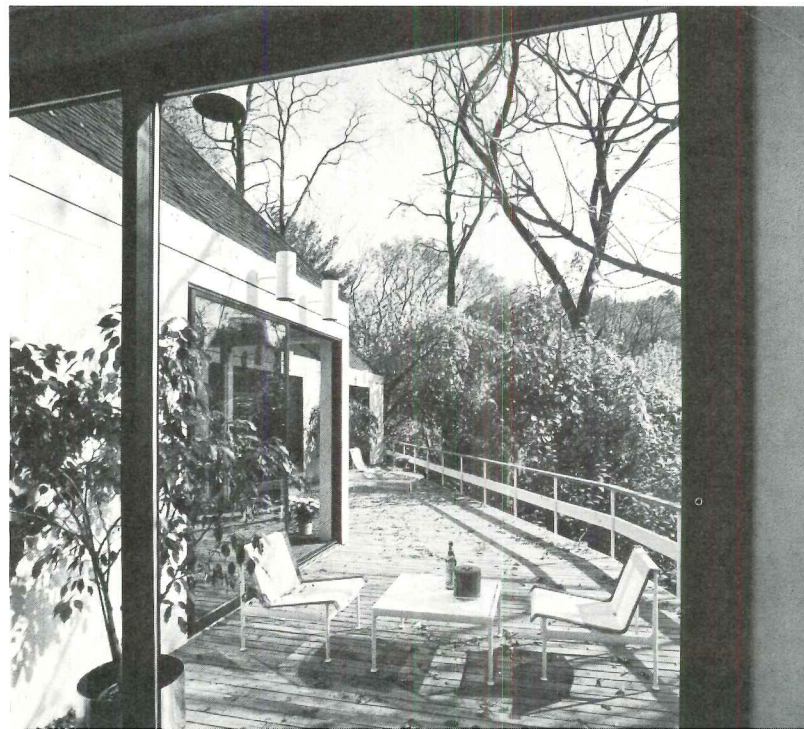
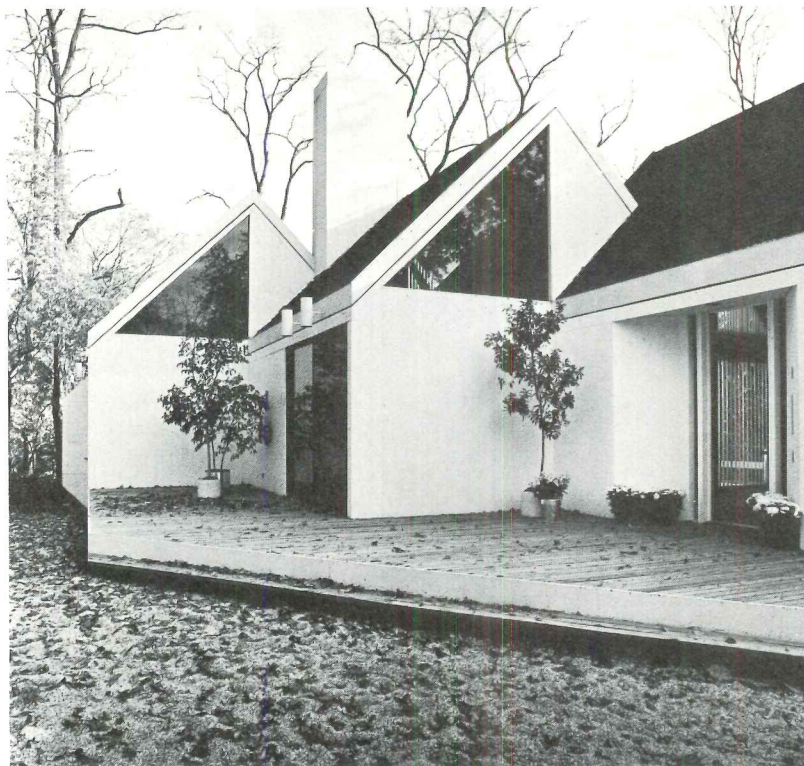
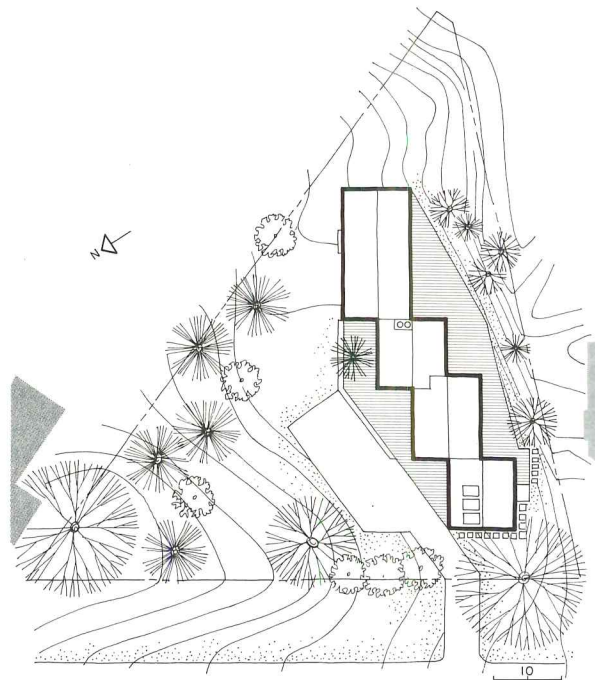
Architect: Hugh Newell Jacobsen
 1427 27th Street, N.W.
 Washington, D.C.

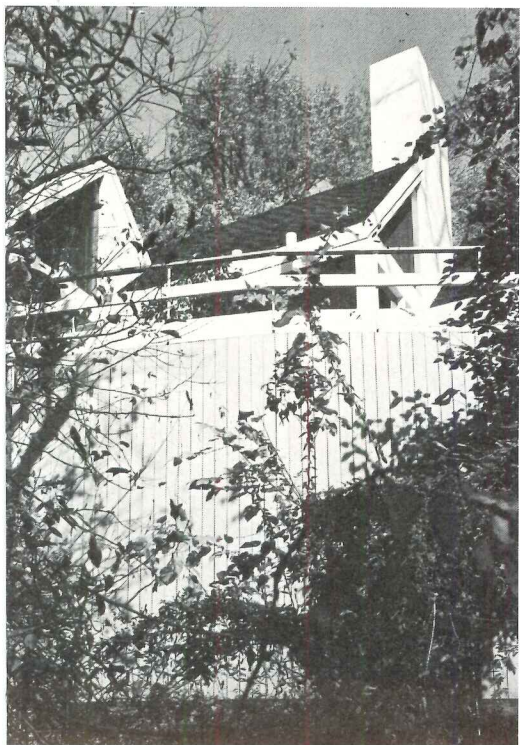
Engineer:

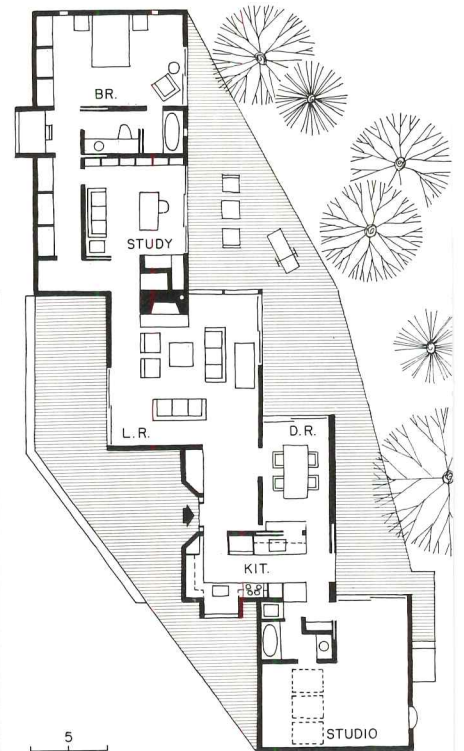
Alfred Kraas (structural)

Contractor: E.J. Smith

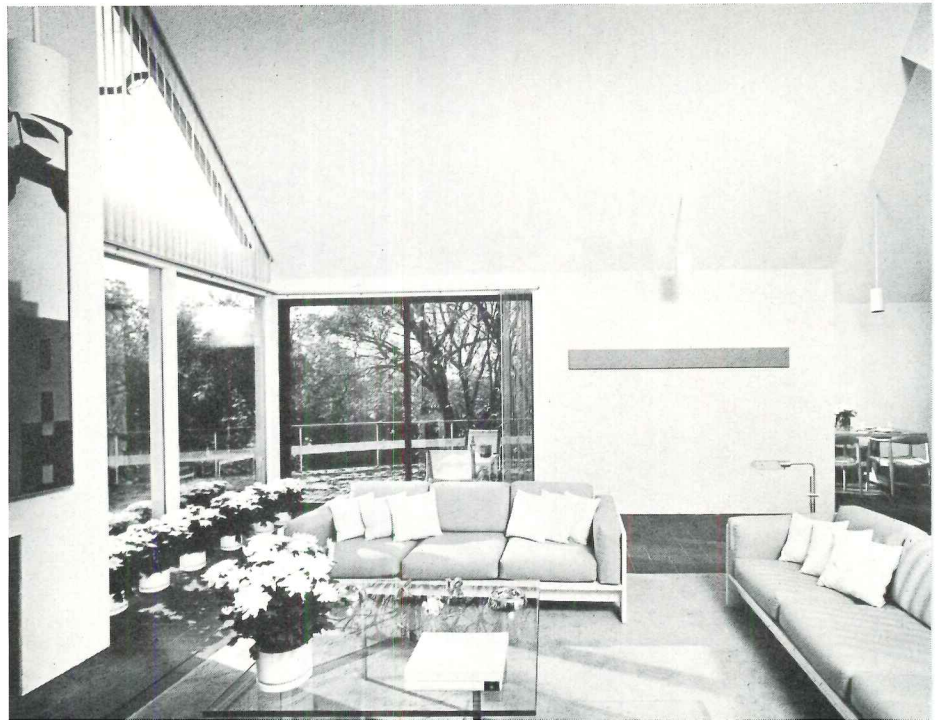
Photographer: Robert Lautman







The high ridge lines and the large openings give the interiors only the gentlest sense of containment. Furniture groupings become islands, static interludes in an otherwise lively spatial flow. The pattern of offsets produces decks on both long sides of the house. On the entry side the deck is only about a step above grade, but here, as the photos show, the slope of the site gives the deck users considerable elevation and view.



Apartments of the Year

Enlarging the scope of this issue and, like a caboose, rolling past at the end are six high-density projects that offer buyers the conveniences and shared burdens of that way of living. But like the houses they follow, these designs are carefully tailored to their sites and respond with more than ordinary aptness to the complications of their individual programs. Each, in addition, is designed with an attention to image that makes it attractive in a highly competitive marketplace.

The first (next pages) is a superb instance of infill housing, by architect James McNeely, designed to fit snugly on a landmark street in old Boston. Its sensitivity to its surroundings made it an immediate favorite with RECORD's editors. The sixth, a nine-unit condominium designed by Murray Milne to overlook the Pacific, is a marvelous example of hillside development, fresh in its forms, and financed in an unusual and interesting manner.

Between these two are four others, each taking shape around a clear design idea and all taking maximum advantage of whatever amenities were at hand or could be created on the site.

But as lively and inventive as these projects are—and as well tuned to their sites and purposes, they only begin to suggest the largely unexplored possibilities inherent in cluster housing. As public acceptance increases, as architects like these get a crack at its design, cluster housing may slough off its encumbering, second-class image and earn the place in residential design to which its potential virtues have long entitled it.

—Barclay F. Gordon

Beacon Street Apartments Boston, Massachusetts James McNeely, Architect

Fire destroyed one of a pair of Beacon Hill rowhouses in 1967, leaving a charred, gaping hole in the street facade until 1972 when architect James McNeely, in partnership with a local attorney, purchased the empty site and the undamaged bowfront next door.

The partners developed a plan to unite the two structures by serving both with a common elevator, stair and fire escape. Floor alignments could not be reconciled for the older structure had ceiling heights up to 14 feet. The new structure was designed with more standard eight foot ceilings (see section above). As a result, the elevator cab opens in both directions and stops within the shaft at different levels to serve either side.

In final form, the project includes 12 two bedroom apartments, two single-bedroom apartments and three studio apartments all sold as condominiums during construction or soon after. Those who purchased during construction had many choices in finish materials so the interiors vary considerably, reflecting a wide range of individual tastes. Common areas are kept to a minimum and maintenance charges, the architect reports, are among the lowest in Boston.

What is perhaps most important is that this well designed infill housing—the first of its kind in this Boston district—is housing of a type so many American cities desperately need. The new construction does not shoulder aside its older neighbors. It fits snugly into position respecting the scale, form and finish of adjoining buildings but keeps its own personality intact as it completes the street scene in a venerable but still handsome Boston neighborhood.



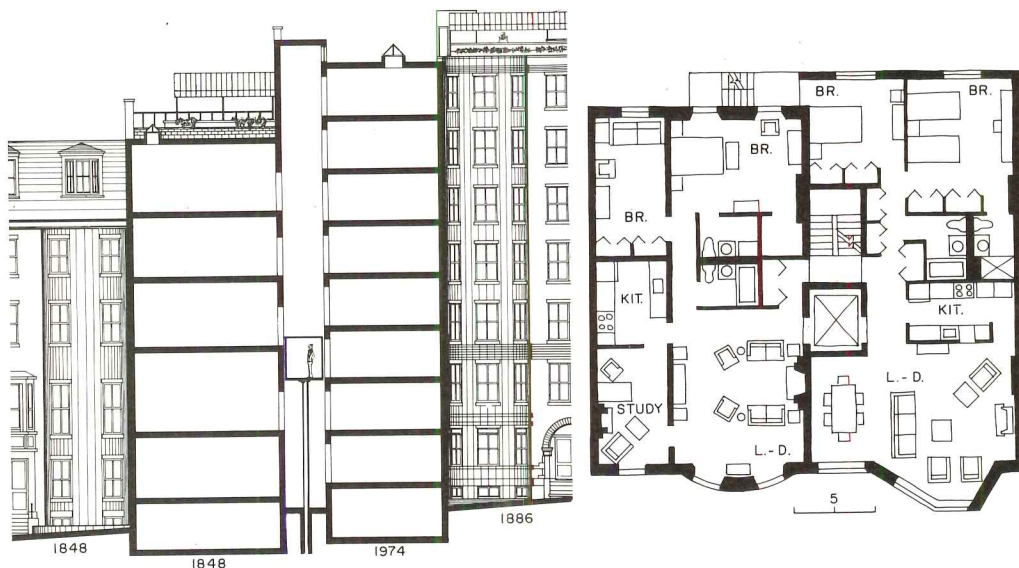
Architect: James McNeely
16 Joy Street
Boston, Massachusetts

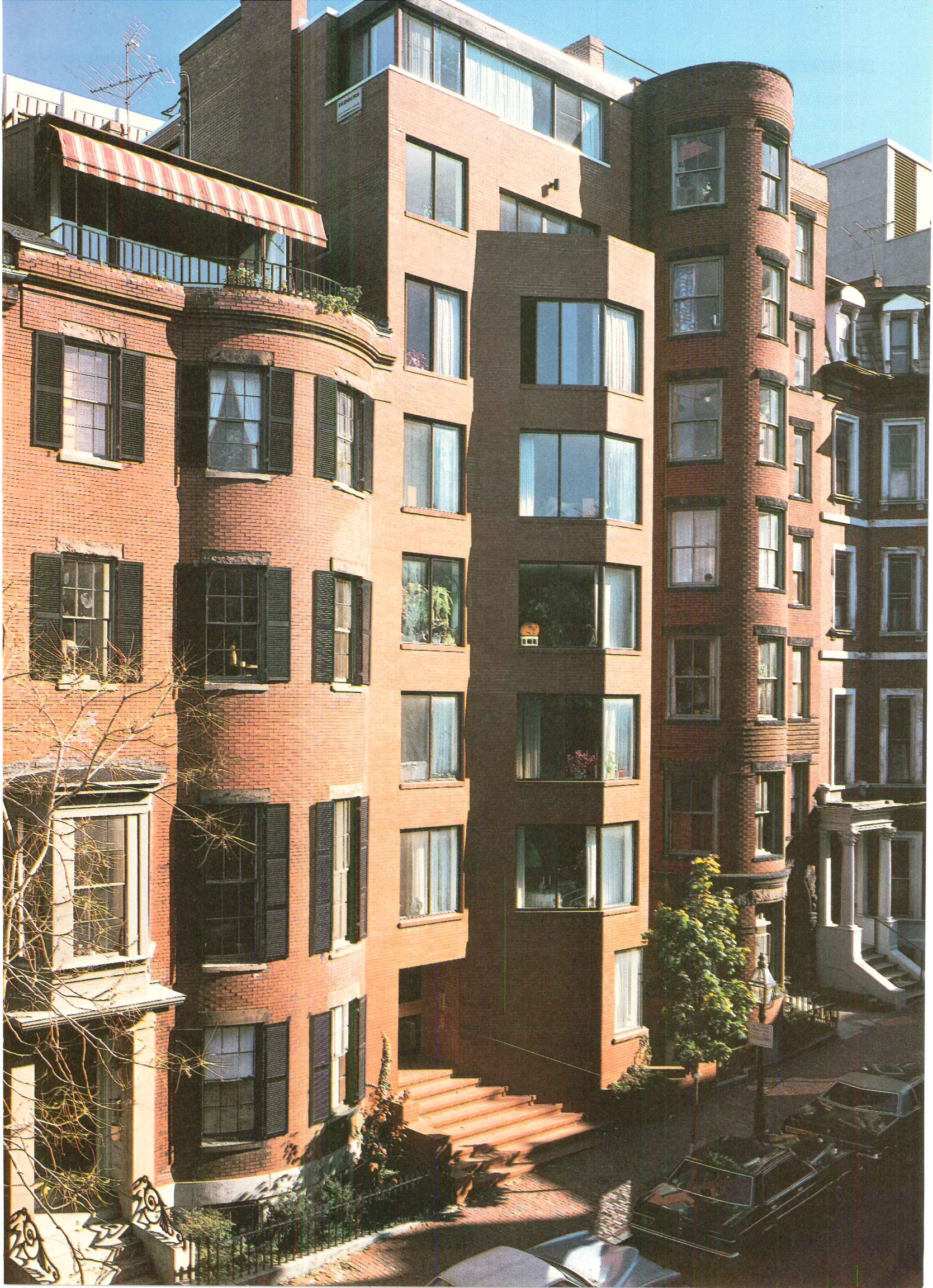
Owners:
Phoenix House Partners

Engineers:
Craig Barnes (structural)
Leo Brissette (mechanical)

Contractor: for building shell:
John R. Clark & Associates

Photographer: William Owens





Concord Greene Apartments Concord, Massachusetts Huygens and Tappé, Architects

The site is 24 acres of orchard land bounded by a commuter rail line to the north, a major highway to the East and a group of single-family houses to the south. The Township, with its proud Revolutionary associations, was sensitive to the potential impact of this 220-unit cluster on the community. Huygens and Tappé therefore worked especially closely with the Township to accommodate their wishes in matters of siting and development.

Paved and built-upon areas were arranged to preserve the existing landscape wherever possible. Finish materials and building forms were designed to respond to the region's historical character. Two entrances have been provided to reduce on-site vehicular traffic and apartment units form cul-de-sac clusters off the main loop road. The original farmhouse was retained to give the new community a firm historical centerpiece.

The orientation of the apartments is away from the railroad and the main highway and toward a brook that runs through the site.

Fences and other external enclosures are stained, rough-sawn plywood with battens. The living units are of conventional wood construction, clad in narrow clapboards with corner boards and wood trim—all designed to evoke the traditional village image of New England but provide for these owners many of the amenities of contemporary life. Two features stand out: the saltbox profiles and the unambiguous, no-nonsense relationship of building to site. Both are old New England virtues.



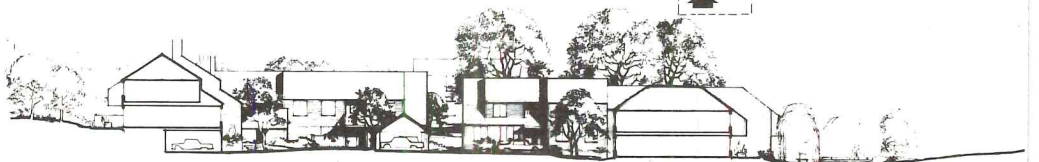
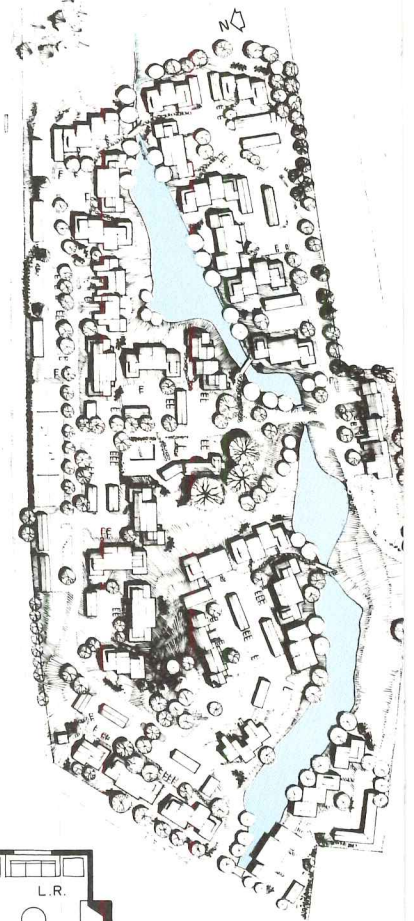
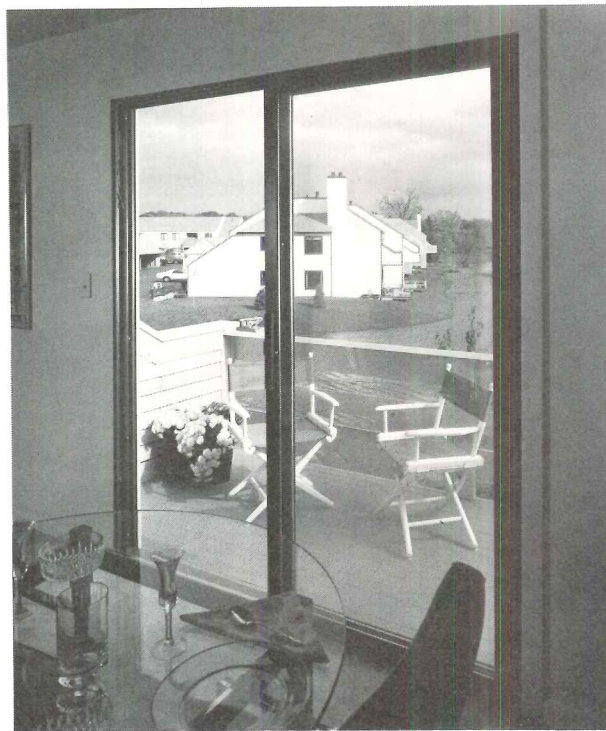
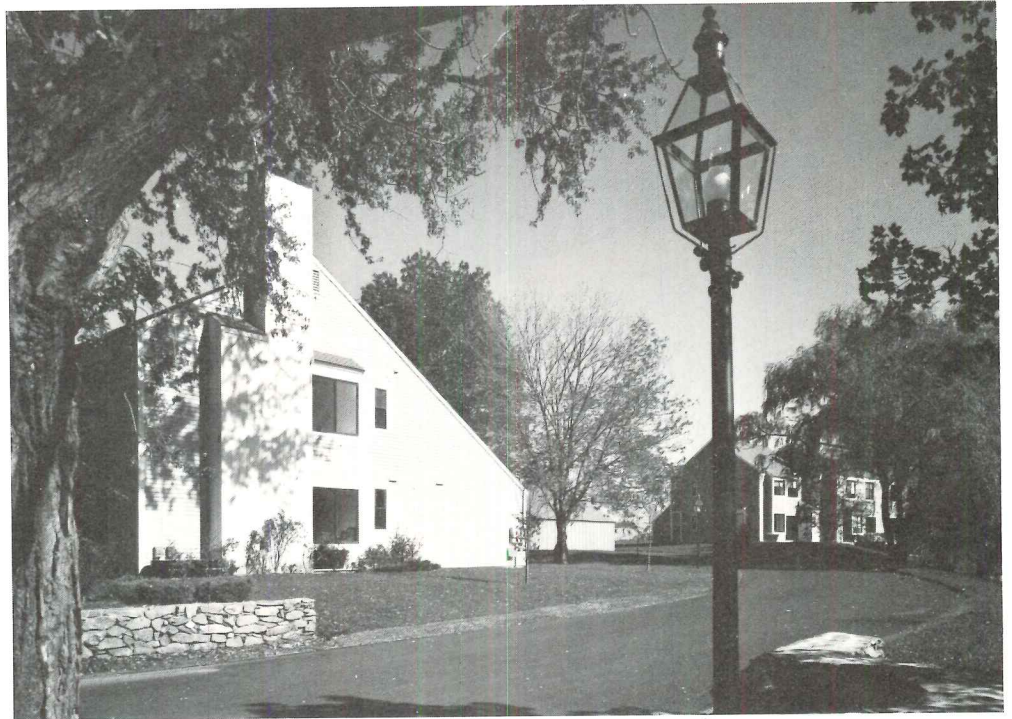
Architects: Huygens and Tappé, Inc.
462 Boylston Street
Boston, Massachusetts

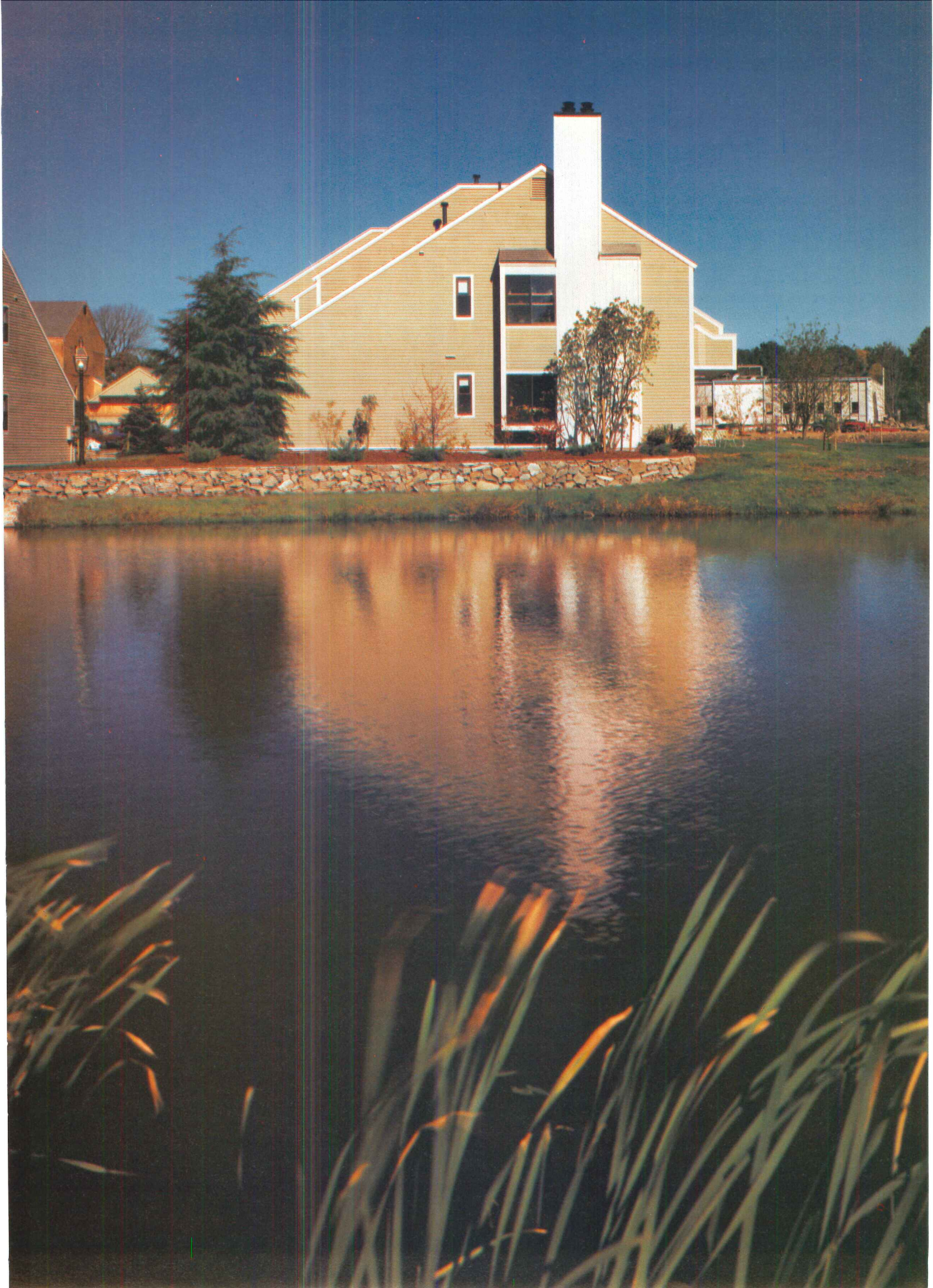
Owner:
Concord Junction Realty Trust

Engineers:
Steco Engineering (structural)
Comfort Air Systems (mechanical)
R.D. Nelson (site)

Landscape consultant:
Gerald F. McNeil

Contractor: E.A. Comeau, Inc.
Photographer: Steve Rosenthal





The Fairways

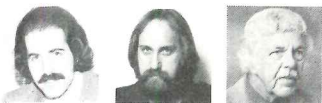
Coquitlam, British Columbia
R.E. Hulbert & Partners,
Architects

The brightly-painted and scalloped elevations of this 58-unit complex tend to belie the impressive amount of sober thought that went into its planning and design. Located on a 2-acre site in a Vancouver suburb, the buildings are carefully view-oriented to a golf course and park lands on three sides, and access to the surrounding grounds is easy.

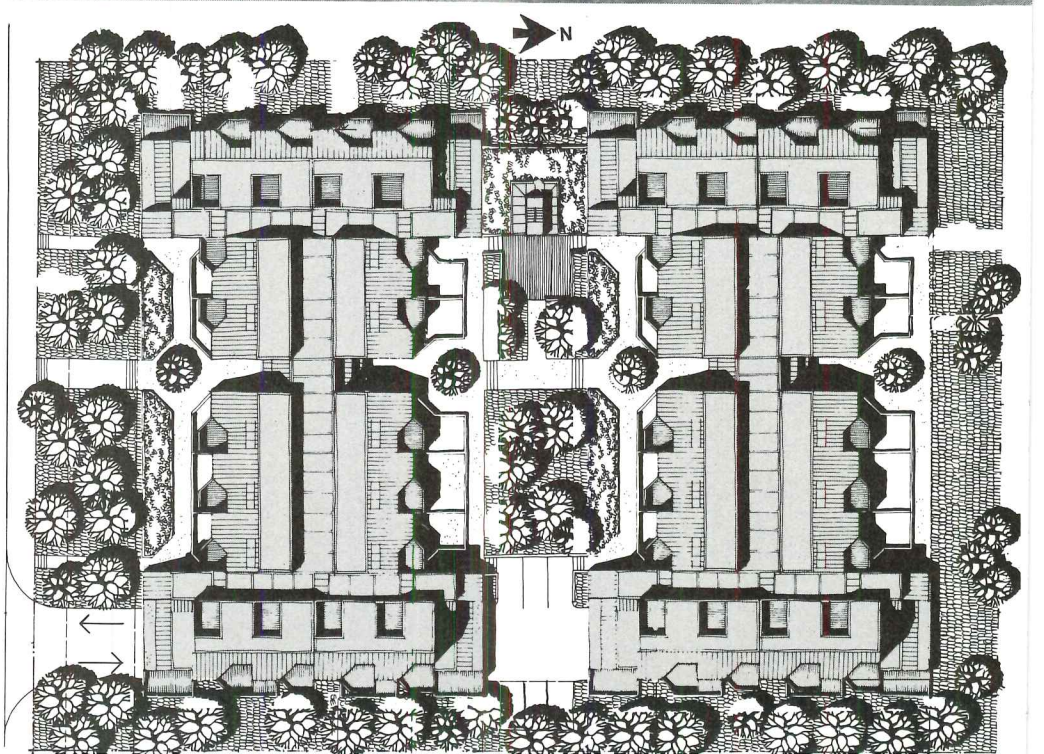
All units are either split-level, two-story townhouses or corner "bungalows." Each type is designed to provide an unusual degree of amenity. Automobiles are accommodated on a parking deck that gives directly to the split-level units. The townhouses are entered from a third-floor pedestrian street that is paved, enclosed from the weather, and landscaped with hanging plants and potted shrubs (see photos next pages). It is a remarkably pleasant access space. The breakfast spaces of each townhouse project into this corridor and are skylighted.

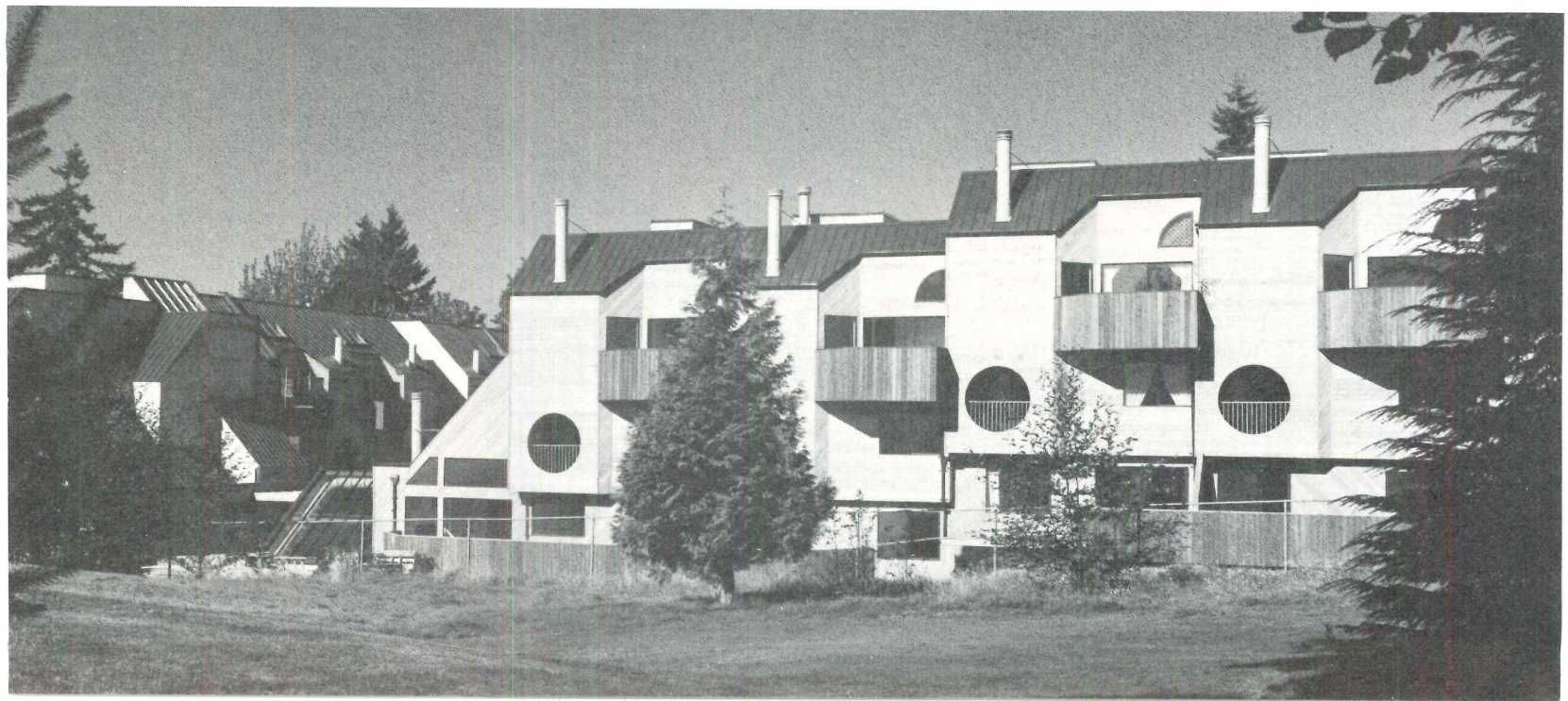
In this way, each space borrows light from the corridor skylights above. Another thoughtful planning feature: the townhouse units are zoned vertically with main living spaces on the entry level and sleeping spaces below. This device provides a sound buffer and reduces unwelcome noise between units. The (lower) bedroom levels are reached by interior stairs from the living level above or can be entered directly from a semi-private corridor below, thus providing a second means of egress. Most of the townhouses have a small loft space above the living areas; others have roof decks as an option to the lofts. The planning throughout is tight and efficient.

The lively elevations grow out of the desire to articulate each apartment in the mass, giving each an identity as well as a clear relationship with the others. The site organization permits the surrounding parkland to be drawn into the plan at the center to create a landscaped green shared by all.



Architects: R.E. Hulbert & Partners
215 14th Street
West Vancouver, British Columbia
Eugene V. Radvenis—design
John C.H. Porter—technical coordination
Owner: H.A. Roberts Group, Ltd.
Engineers:
David Nairne & Associates (structural)
Cook, Pickering, Doyle (foundations)
Perelco Design Ltd. (mechanical)
Interiors: public spaces by architect;
unit interiors by Peter Garret
Landscape architects:
John Lantzius & Associates
Contractor: Bidwell Construction Ltd.
Photographer: Simon Scott

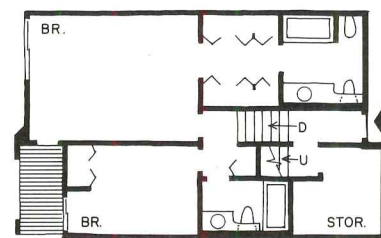




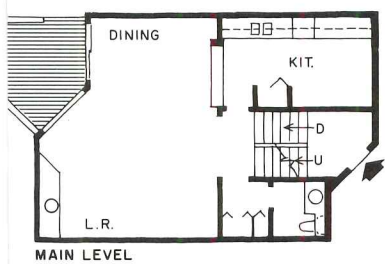
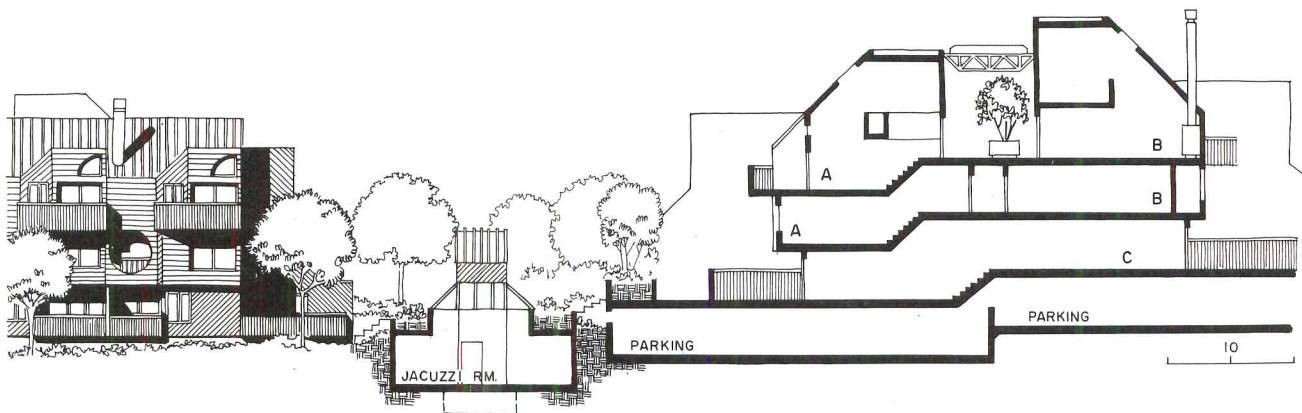
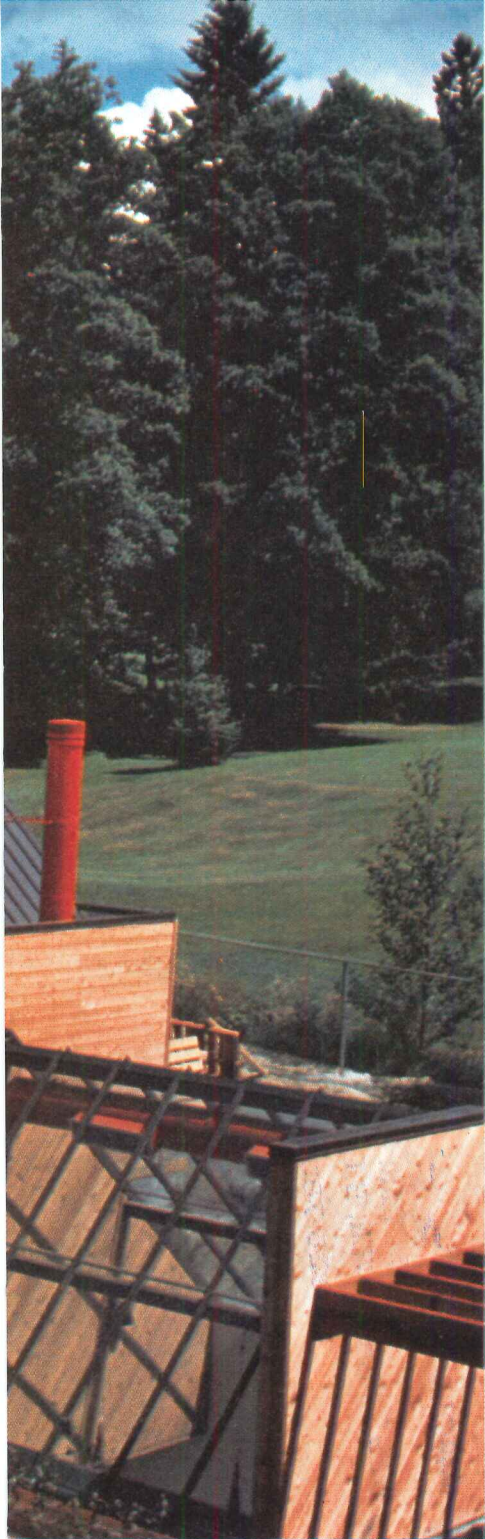


R.E. HULBERT & PARTNERS

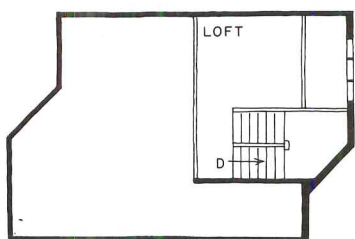
The structure is a three-story wood frame over a concrete foundation and parking deck. Cedar siding, placed horizontally and diagonally, is the principal exterior finish. Chimney flues are baked enamel over stainless; roof finish is metal sheet with standing seams.



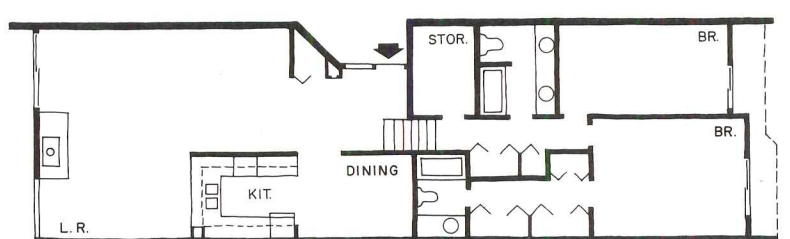
LOWER LEVEL A



MAIN LEVEL



UPPER LEVEL



C

5

Walnut Hill Apartment Haverstraw, New York Smotrich & Platt, Architects

Financed under Federal Section 236, this 180-unit cluster housing project is designed for low- and moderate-income families (the majority of them elderly) and is located on 7.75 acres north of New York City.

The eight two-story structures that make up the project step down the sloping site in a linear pattern that generally parallels the contours so that each ground floor unit has an on-grade entrance, convenient access to automobiles, pedestrian ways and community facilities. This arrangement also provides views of the Hudson River Valley from most of the upper-level apartments.

The units themselves consist of an upper and lower apartment; the upper apartment provided with a bridge entrance and a balcony, the lower with a small garden area to be planted at the tenant's option. All units have through ventilation.

A prime concern for designers—and one they solved with considerable success—was the establishment of a community identity and a village scale. The ring road, the pedestrian spine and the community building (photos below right) all contribute to this success. The design vocabulary is simple but used so consistently that the project "reads" as a village—and a nice one. The repetition of units does not pall because the designers have maximized their opportunities to articulate differences in grade and landscape form.

The principal exterior finish is plywood over a wood frame structure. Construction costs came to \$3,785,000 or about \$21,000 per dwelling unit including the community building, site work and final landscaping.

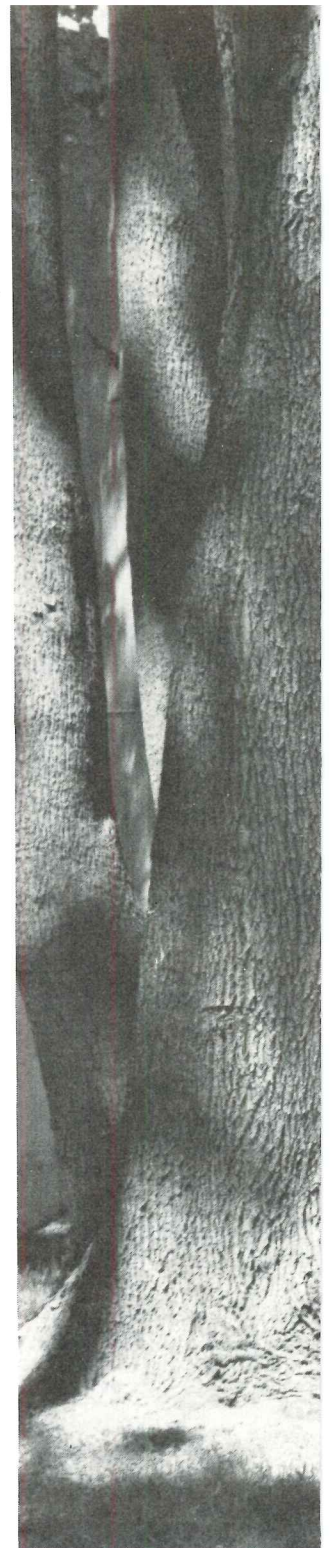
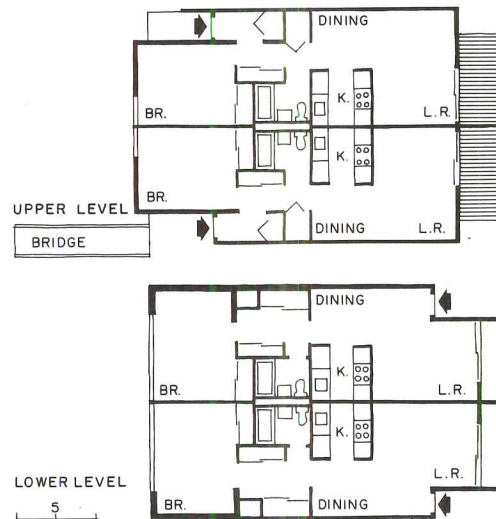
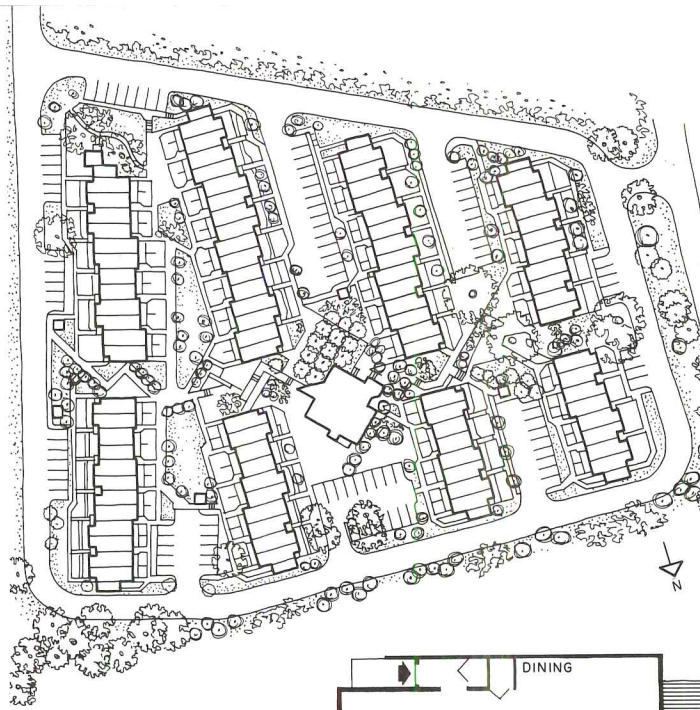


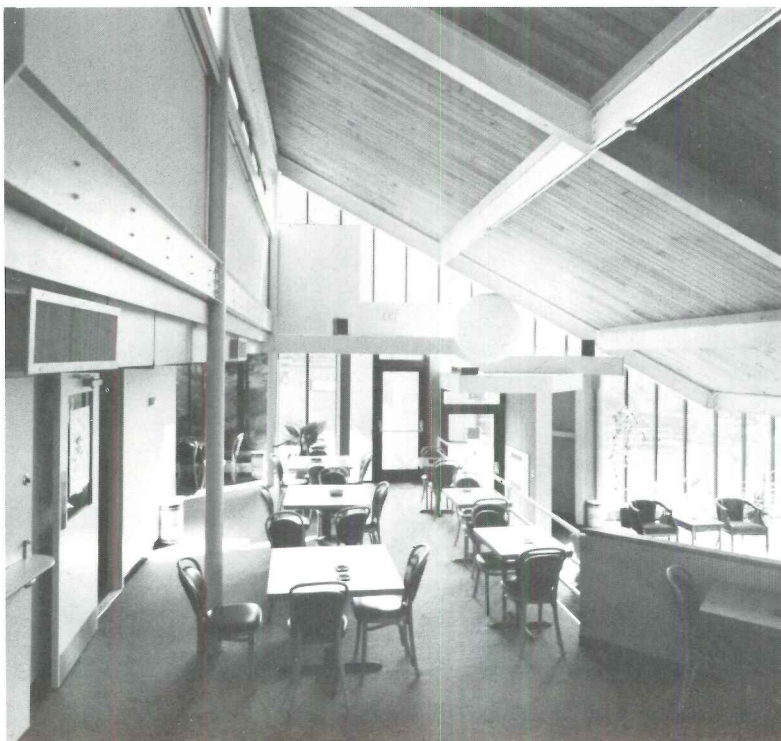
Architects: Smotrich & Platt
12 East 44th Street
New York, New York
William Eisenberg, project architect

Owners: Haverstraw Associates
with New York State Urban
Development Corp.

Engineers: Atlas/Balogh Associates (structural)
Woodward Clyde (soils)
Robert Ettinger Associates (mechanical)

Landscape design:
Environmental Systems Planning
Contractor: Helmer/Cronin Construction
Photographer: Thomas P. Palmer





Cooper Street Lofts
Aspen, Colorado
Copland Finholm Hagman Yaw,
Architects

This 60- by 100-foot corner lot was the last undeveloped property in a residential neighborhood largely characterized by small scale, late-19th-century Victorian buildings. The architects' task was to provide six studio apartments of simple and economic design that were compatible with the Victorian "feel" of the community.

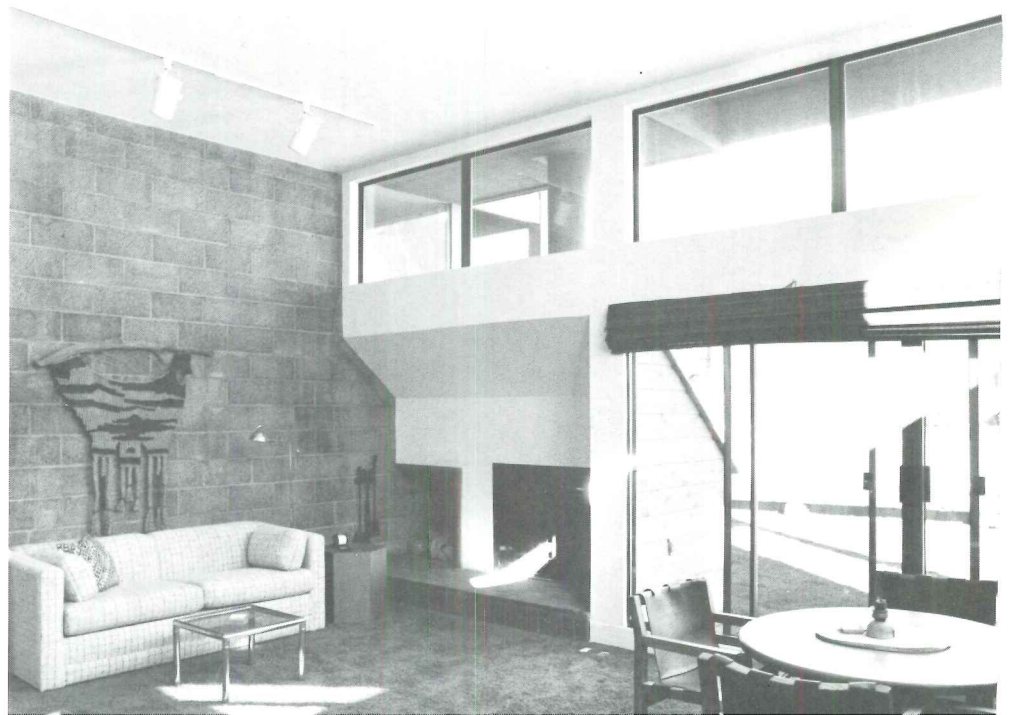
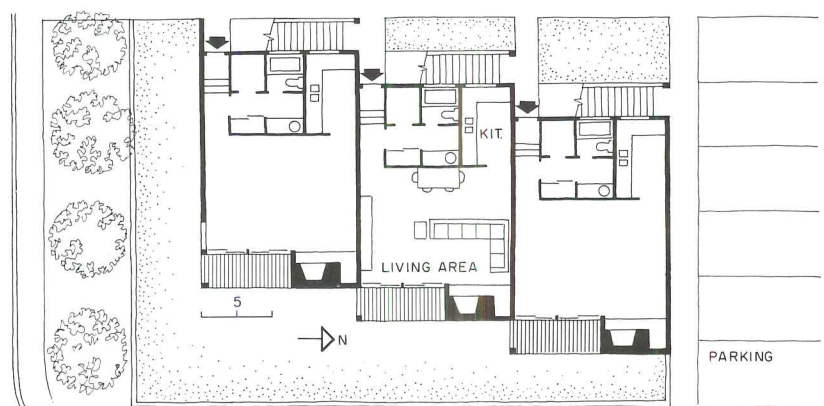
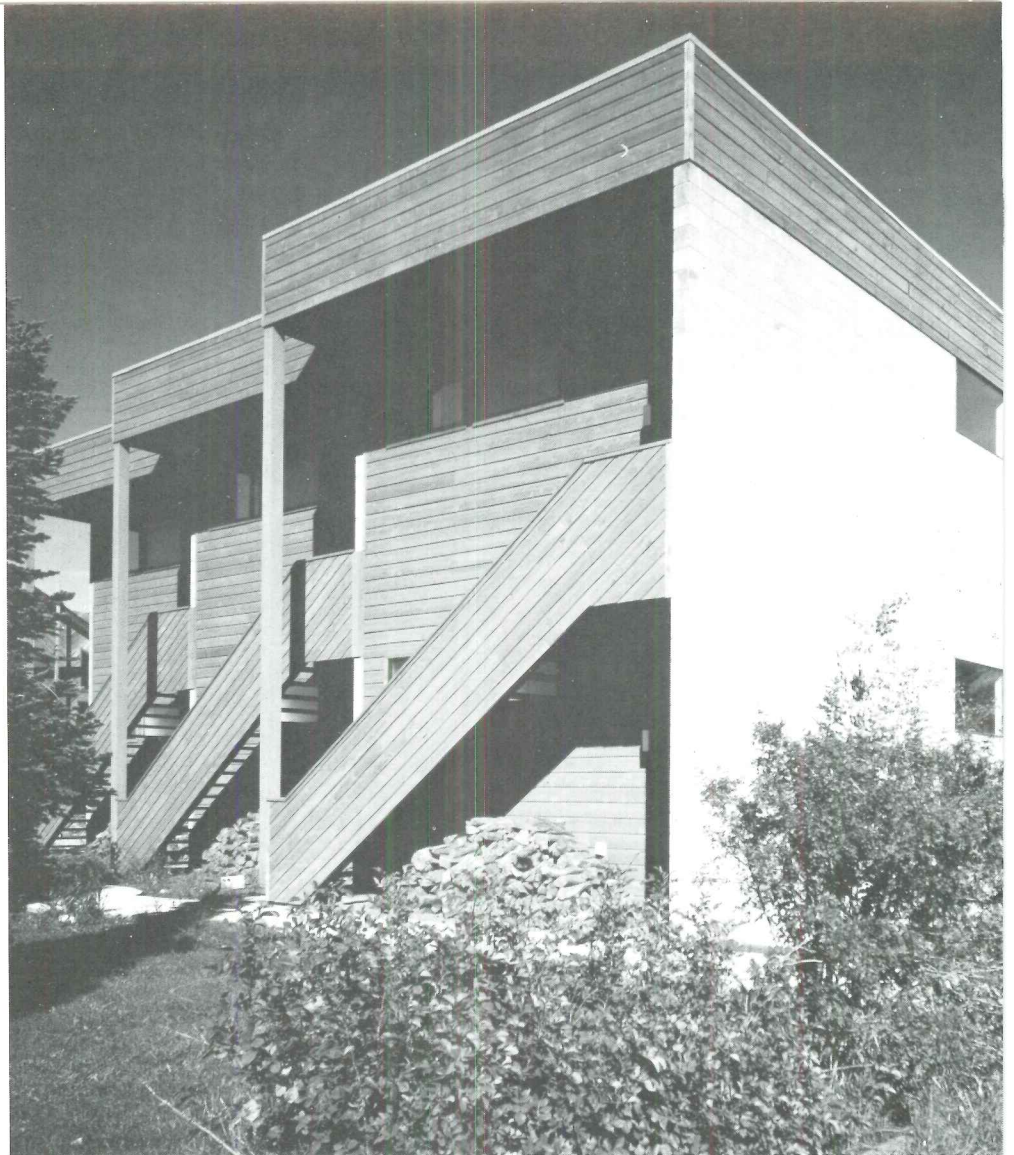
The six units at 600 square feet each are minimal in program but are designed with concern for both site and occupants. The plans are staggered along the front facade to heighten its sense of three-dimensional depth and to preserve an open space of modest scale at the corner of the site. Within the severe restrictions of budget, each apartment has a measure of outdoor space as well as a fireplace and a 13-foot ceiling.

The structure is concrete block bearing walls, exposed inside and out, wood floor and roof joists and a built-up roof. Gypsum board is used inside for ceilings and some wall surfaces, and outside cedar siding is used to contrast warmly with the block. Painted metal railings and flues provide added visual interest.

What seems especially commendable—and perhaps this is the lesson—is that the restrictions of program, budget and site did not become excuses for a design devoid of any interest. Instead, the architects achieved considerable sculptural interest, significant and welcome interior comfort and a building cluster that sits well on its site—a site near the ski lifts and only a short walk from shopping.



Architects: Copland Finholm Hagman Yaw
Box 2736
Aspen, Colorado
William Campbell, project manager
Owner: Cooper Street Partners
Engineers:
Anderson & Hastings (structural)
McFall and Konkel (mechanical)
Contractor: Wilbur, Carlson, Inc.
Photographer: William Lukes





Coastline Condominiums Malibu, California Murray Milne, Architect

On a hillside facing south and overlooking the Pacific Ocean at Malibu, architect Murray Milne and eight friends pooled their resources to establish the kind of living accommodations that none could have afforded without the others. "The eight friends," says Milne, "filed as a California real estate limited partnership with the architect and attorney as general partners. Each of the six limited partners contributed \$10,000 and each partner agreed to buy and live in one of the eight units. With this initial capital, they purchased the land, paid architectural fees, legal fees and building permit fees. Because the project was completely presold, the bank's appraisal was very generous and the construction loan was more than adequate. When the project was completed eight individual mortgages were taken out, the construction loan was paid off, and the partnership was dissolved."

The happy outcome of this unusual arrangement is a pair of narrow structures, each containing four 3000-square-foot units, parking for 16 cars, and a community-owned swimming pool.

The precipitous slope was ideal for a stepped section, giving each unit privacy as well as a panoramic view. To solve the problem of vertical transportation (where nine flights of steps separate the lowest from the highest level) Milne cantilevered a funicular system on the outside of the building at the second-story. Powered by a standard traction motor, the path of the funicular just clears the front door to each unit and can be summoned by a call button. The cab carries four passengers on what the architect describes as "one of the most exciting rides west of Disneyland."

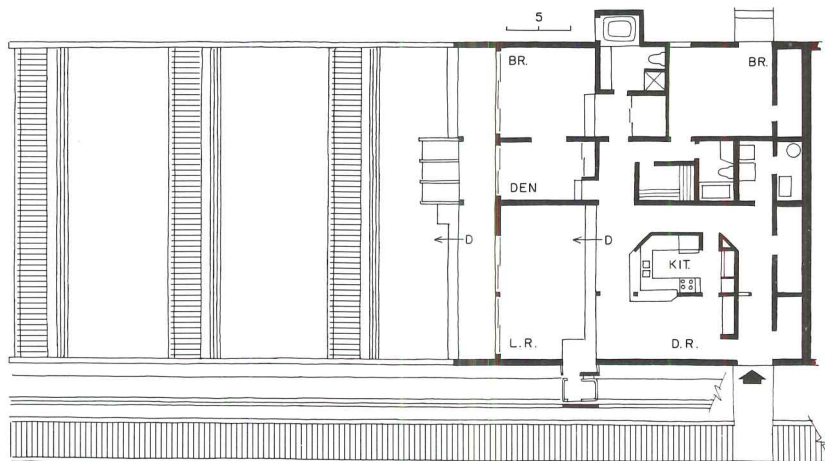
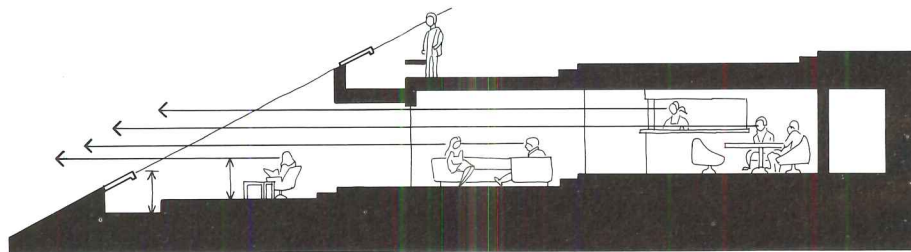
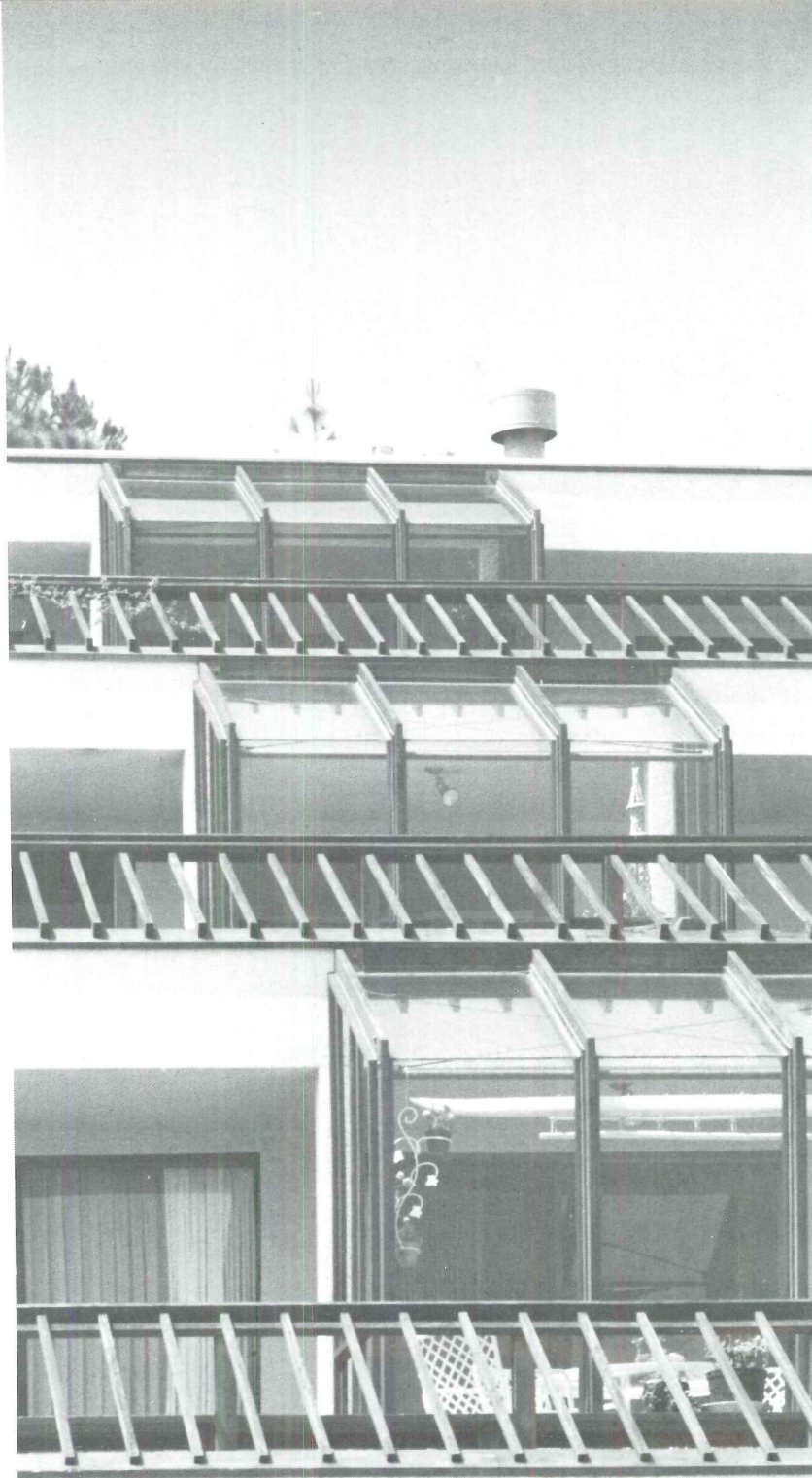
To reduce solar heat gain and glare, the large glazed areas are protected by a generous overhang. Each unit is insulated: 6 inches in the ceilings, 3½ inches in the exterior walls. The result of careful sun control and insulation is that, even on this southern California site, no air-conditioning is required.

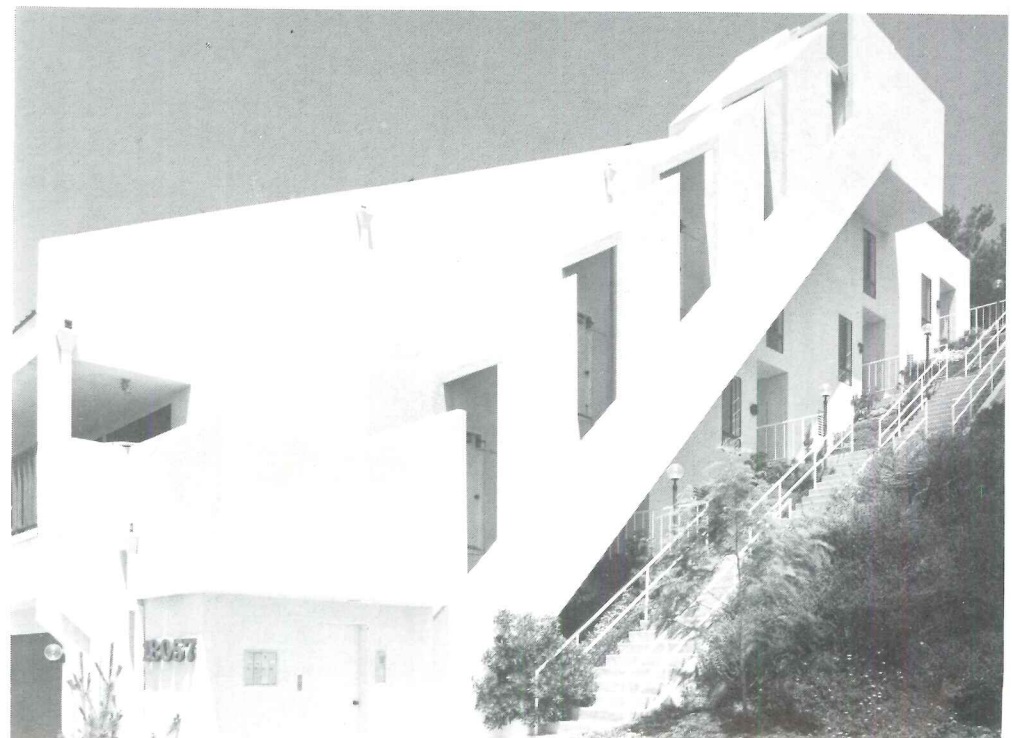
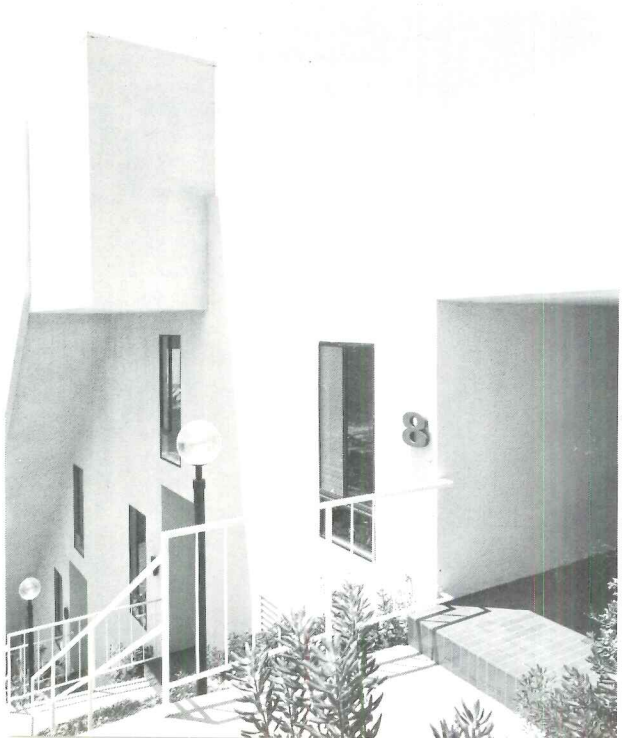


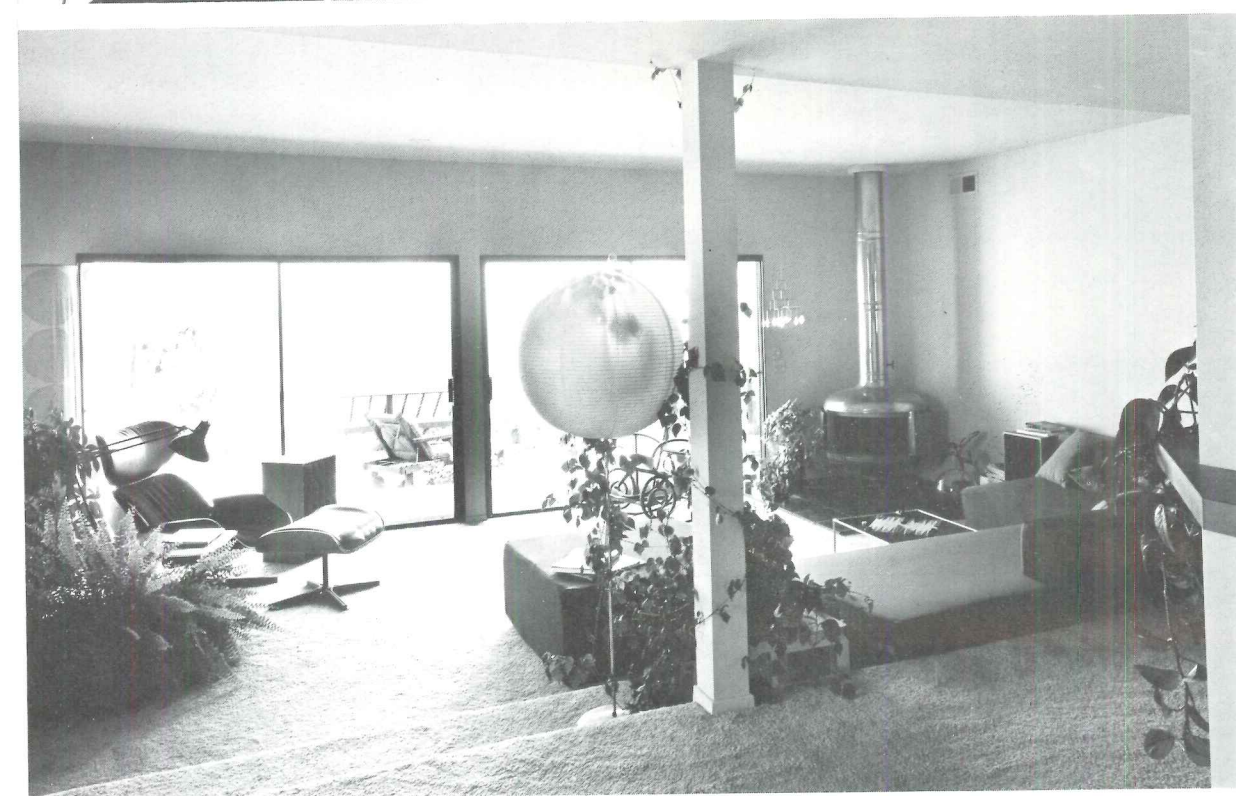
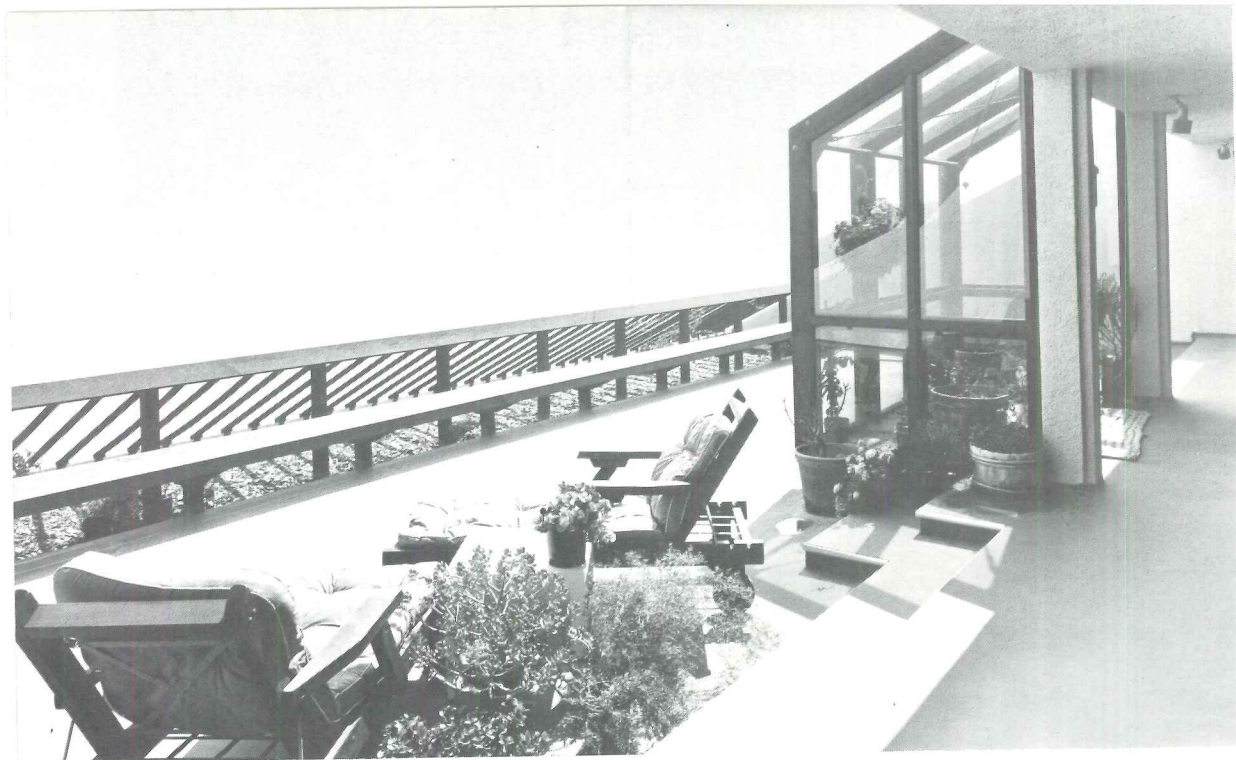
Architect: Murray Milne in association with Kammitzer, Marks, Cotton and Vreeland
18057 Coastline Drive
Malibu, California

Engineer:

David Taubman and Associates
Contractor: Frank Ashley Construction
Photographer: Jason Niiya





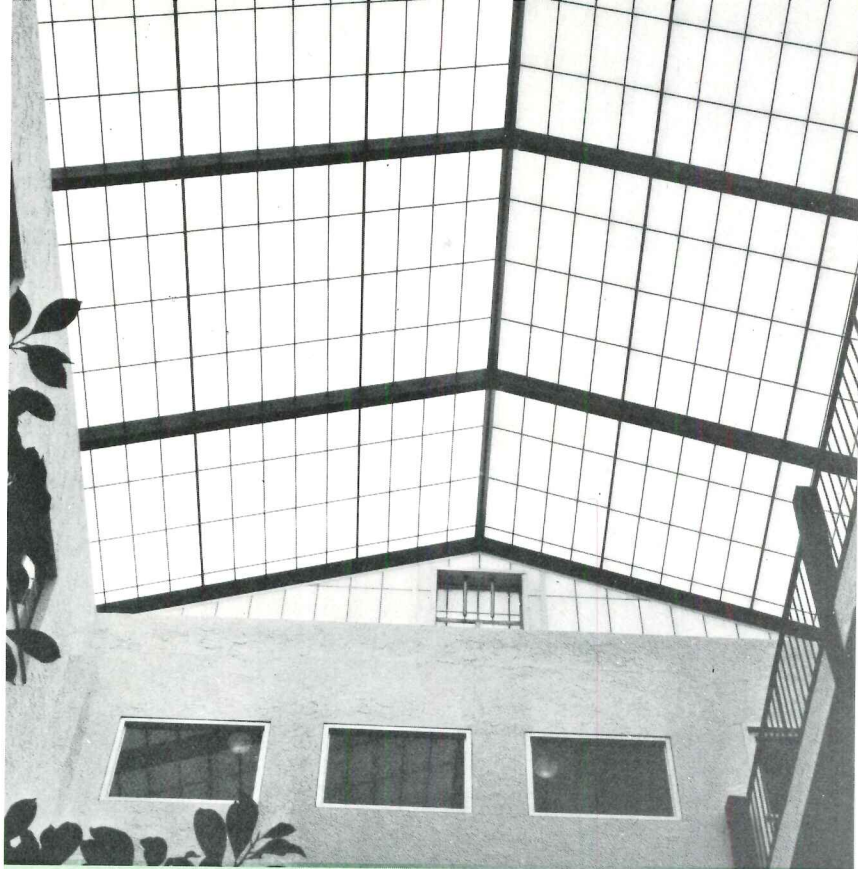
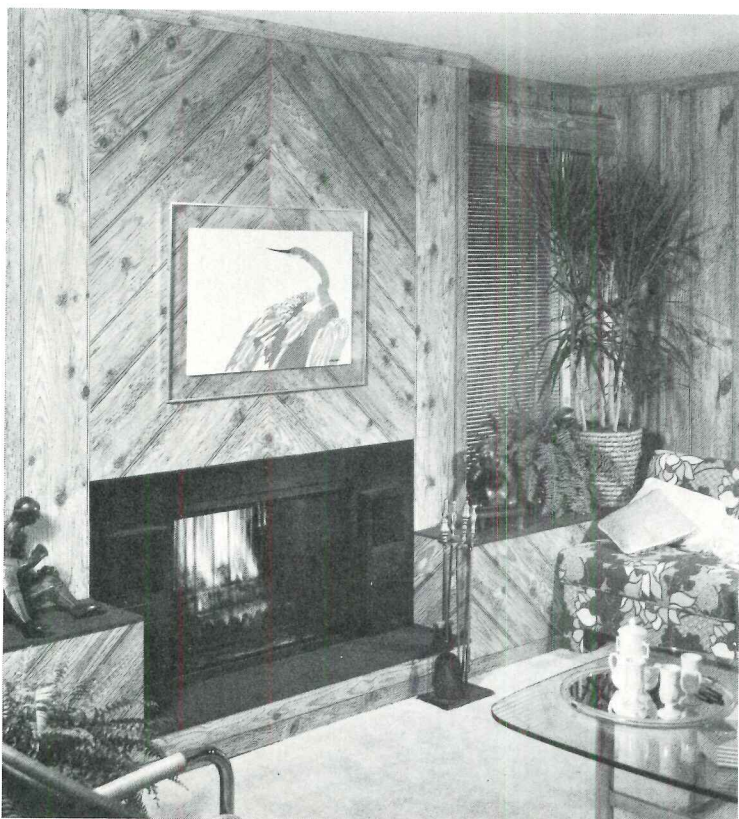


MURRAY MILNE

Milne established the basic three-bedroom floor plan, then each owner designed the interior of his own unit, selecting finishes and adding as many or as few options as he wished. In final form, no two units are alike. The architect's own space—including a 1000-square-foot sundeck—is shown in the photos at left.

PRODUCTS FOR THE HOUSE

For more information, circle item numbers on Reader Service Inquiry Card, pages 157-158



An Insulated Clearspan Skyroof by STRUCTURES UNLIMITED is Different!

IT LETS SUNLIGHT IN,
AND IT KEEPS THE HEATED OR COOLED AIR IN
...AT THE SAME TIME!

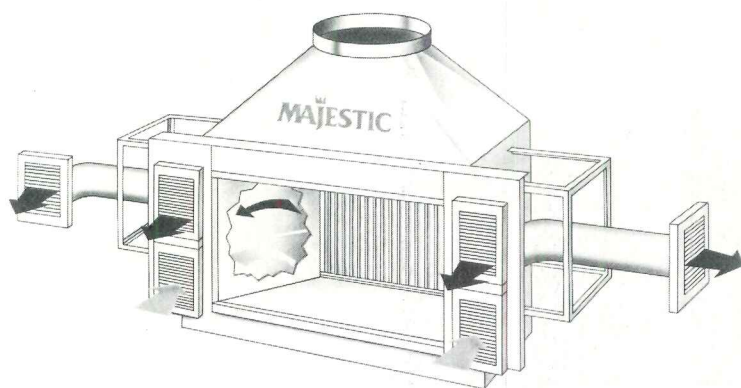
This is because a Structures Unlimited Roof System uses the patented Kalwall® panel system that is translucent, yet has insulation U-Factors of .40, .24, or even .15!

There are many positive advantages of this type of roof system, including . . .

- insulated to 2¼ times more value than any other light transmitting material.
- lower construction costs.
- RUGGED, yet light in weight.
- glare-free, diffused light transmitted, with less solar heat transmission (unless desired!).
- wide range of design possibilities.
- fixed or operating roof options.
- self cleaning, virtually maintenance-free.
- and plants thrive!

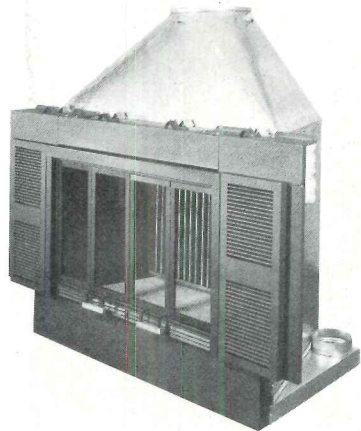
So, if you're planning shopping centers, mini or maxi-malls, office buildings, recreation complexes, or any type of large roof building where you want the sunlight inside, yet have maximum energy savings in lighting, heating, and air conditioning — phone or write.

A full color brochure has complete information and design details. Ask for a copy!



Fireplace designed to maximize heated air circulation throughout the house

The "Energy Saving Fireplace" was designed to produce and circulate heat over a greater area and with more efficiency than a conventional masonry built fireplace. A heat exchanger, made of 14 square feet of convoluted stainless steel in the firebox, produces a radiant heat output of 29,000 Btus per hour and convective heat output of 17,000 Btus. Add-on kits and fans can be used to maximize air circulation: an Outside Air Kit allows all of the combustion air to be supplied from outside the house; a Glass Door Kit eliminates the problem of heated air loss escaping through an open damper; and a Duct Kit for taking warm air to adjacent rooms, including the basement and upstairs. Features include a bi-fold door that can be removed for cleaning and louvers for air circulation at the hearth level. ■ The Majestic Company, Huntington, In.



circle 300 on inquiry card
more products on page 137

Structures Unlimited, Inc.

37 Union Street
Manchester, New Hampshire 03103
Phone 603-627-7889

PATENTED

PPG SOLAR COLLECTORS TURNED THIS CREDIT UNION INTO AN ENERGY BANK.

PPG Solar Collectors stand at handsome attention here on the headquarters building of the Indiana Telco Federal Credit Union Building, Indianapolis. And save 60 percent of the annual heating bill for its thrifty members.

The 214 PPG collectors create a solar absorbing area of 4,000 square feet, and in six years should pay for themselves in saved energy costs. After that, the energy they use will cost nothing.

PPG Solar Collectors can be used in hot water heating as well as space heating, in either residential or commercial installations.

These high-performance solar collectors are made by PPG, an established, 94-year-old concern with decades of experience in the research, development and manufacture of environmental glasses.

Specify a lot of sunshine in your next project—with confidence. For full information,

write PPG Industries, Inc., Solar Systems Sales, One Gateway Center, Pittsburgh, Pa. 15222. Or call the PPG distributor or dealer nearest you. His name is on the right.

PPG: a Concern for the Future

Owner: Indiana Telco Federal Credit Union,
Indianapolis

Architects: Browning Day, Pollak & Associates
Builder: Tousley-Bixler Construction Co., Inc.



For more data, circle 42 on inquiry card



For more information, circle item numbers on Reader Service Inquiry Card, pages 157-158.

PPG SOLAR COLLECTORS CAN SAVE YOU ENERGY COSTS, TOO. FIND OUT HOW FROM A NAME ON THIS LIST:

ALABAMA

Mangham & Associates, Inc.
3522 Seventh Ave., S., Birmingham
(205) 251-2085

ARIZONA

Babbitt Wholesale Co.
P.O. Box 1328, Flagstaff
(602) 774-8711

Norman S. Wright & Co.
2626 E. Washington St., Phoenix
(602) 275-4469

ARKANSAS

Johnson & Scott, Inc.
P.O. Box 7487, Little Rock
(501) 372-5667

CALIFORNIA

Rodkin, Inc.
4374 North Wishon St., Fresno
(209) 222-9423

Richard S. Dawson Co.
333 Glendale Bldg., Los Angeles
(213) 483-3181

Carl Treaster, Inc.
P.O. Box 7296, Sacramento
(916) 383-1240

Richard S. Dawson Co.
1165 Morena Blvd., San Diego
(714) 276-5552

James Breese & Co.
9 First Street, San Francisco
(415) 495-4058

COLORADO

McCoy Sales Corp.
2190 W. Bates Ave., Englewood
(303) 761-4040

CONNECTICUT

Emerson-Swan, Inc.
20 Hurlbut Street, West Hartford
(203) 278-2490

FLORIDA

Sun Harvesters, Inc.
211 N.E. Fifth St., Ocala
(904) 629-0687

GEORGIA

Clary & Associates, Inc.
545 Dutch Valley Rd., N.E., Atlanta
(404) 873-1861

HAWAII

Honolulu Gas Equipment Co.
P.O. Box 3379, Honolulu
(808) 548-4287

ILLINOIS

F & P Associates, Inc.
3801 Warren Avenue, Bellwood
(312) 626-2928

INDIANA

Fuller Engrg. Corp.
6420 N. Ferguson St., Indianapolis
(317) 253-3287

IOWA

David Bear, Inc.
8450 Hickman Road, Des Moines
(515) 278-1621

KANSAS

Beeson-Johnson Assoc.
4500 West 90th Terrace
Prairie Village
(913) 648-2502

MAINE

Emerson-Swan, Inc.
41 High Bluff Road, Cape Elizabeth
(207) 799-4851

MARYLAND

N. H. Yates & Co., Inc.
117C Church Lane, Cockeysville
(301) 667-6300

MASSACHUSETTS

Emerson-Swan, Inc.
111 Lenox Street, Norwood
(617) 762-9000

MINNESOTA

R. M. Cotton Co.
7317 Cahill Road, Edina
(612) 941-7900

MISSISSIPPI

Gene Payne Associates, Inc.
P.O. Box 4858, Jackson
(601) 939-7077

NEVADA

Desert York Company
P.O. Box 14606, Las Vegas
(702) 384-3980

NEW JERSEY

Wales-Darby, Inc.
1880 Morris Avenue, Union
(201) 964-4620

NEW MEXICO

Lucas Equipment Co.
2726 Aztec Ave., N.E., Albuquerque
(505) 345-3541

NEW YORK

Frank P. Langley Co., Inc.
1117 Front St., Binghamton
(607) 722-3371

Frank P. Langley Co., Inc.
219 Creekside Dr., Tonawanda
(716) 691-7575

Wales-Darby, Inc.
9 Northern Blvd., Greenvale
(516) 626-0900

Frank P. Langley Co., Inc.
75 College Ave., Rochester
(716) 271-6565

NORTH CAROLINA

Solar Prod. & Dealer Services, Inc.
P.O. Box 1255, Matthews
(919) 799-8397
or (704) 882-1958

OHIO

Allied Equipment Co.
P.O. Box 314, Hudson
(216) 656-2050

Steffens-Shultz, Inc.
1140 Chesapeake Ave., Columbus
(614) 488-7944

OKLAHOMA

O'Connor-Oklahoma Co.
3927 N. Stiles, Oklahoma City
(405) 525-7475

O'Connor-Oklahoma Co.
2507 E. Independence
P.O. Box 100, Tulsa
(918) 939-5423

PENNSYLVANIA

Environmental Equip. & Engrg.
Turnpike Industrial Park
Middletown
(717) 939-9541

L. J. Alyan Corporation
303 South 69th St., Upper Darby
(215) 352-9000

Thermollo Equipment Co.
3233 Babcock Blvd., Pittsburgh
(412) 931-8840

SOUTH CAROLINA

Solar Prod. & Dealer Services, Inc.
P.O. Box 1255, Matthews, N.C.
(919) 799-8397
or (704) 882-1958

TENNESSEE

Johnson & Scott, Inc.
3314 Millbranch Road, Memphis
(901) 345-3404

Johnson & Scott, Inc.
29 Industrial Park Dr., Hendersonville
(615) 824-6658

TEXAS

Pascal-Harper, Inc.
300 East Huntland Dr., R. 229, Austin
(512) 458-3259

Packaged Systems, Inc.
3900 Lemmon Ave., Dallas
(214) 522-9100

Boyd Engineer Supply Co.
1801 Magoffin Ave.
P.O. Box 3605, El Paso
(915) 533-7575

Texas Engineering Corp.
P.O. Box 338, Bellaire
(713) 783-6611

Pascal-Harper, Inc.
1103 Paulsun Street, San Antonio
(512) 224-1661

VIRGINIA

Taylor, Lipscomb & Appel
P.O. Box 26886, Richmond
(804) 321-4444

Taylor, Lipscomb & Appel
Fort Mason, RFD 7
P.O. Box 454-B, Roanoke
(703) 989-0526

Taylor, Lipscomb & Appel
1309 Watersedge Drive, Virginia Beach
(804) 486-6704

WASHINGTON, D.C.

N. H. Yates & Co., Inc.
906 Philadelphia Ave.
Silver Spring, Md.
(301) 589-9333

WISCONSIN

Hydro-Flo Products, Inc.
3655 N. 124th St., Brookfield
(414) 781-2810



AXMINSTER CARPET / The "Alliance," "Classic Flair" and "Designer" collections of residential carpet with commercial applications are shown in a full color brochure. ■ Alexander Smith Carpet, Amsterdam, N.Y.

circle 400 on inquiry card

ELECTRIC APPLIANCES / A color catalog outlines all product specifications for a complete line of major appliances, built-in and window room air conditioners, and explains customer services for builders, architects and remodelers. Featured kitchen units include countertop and built-in microwave ovens, and space saving laundry equipment. ■ General Electric Co., Louisville, Ky.

circle 401 on inquiry card

BATH VANITIES / Two color brochures present a collection of solid oak vanities, medicine cabinets, fixtures and bath accessories. Room settings show how oak and cane materials blend with almost any design scheme. ■ Heads Up, Inc., Santa Ana, Calif.

circle 402 on inquiry card

HOME SPA / An eight-page catalog describes seven basic models of hydrotherapy spas and tubs, with sizes for use in clubs, resorts, condominium apartment recreation areas, and private homes. The brochure includes schematic dimensional drawings, explains mechanical equipment and construction features, and provides a quick reference guide to all required equipment. Tubs and spas are supplied factory pre-piped and plumbed to facilitate installation. ■ Whirl-Spa, Inc., Fort Lauderdale, Fla.

circle 403 on inquiry card

RED CEDAR SHAKES / A number of project ideas using economy-grade red cedar shingles and hand-split shakes are sketched in an illustrated brochure. Designs include dog houses, fireplace walls and furniture. ■ Red Cedar Shingle & Handsplit Shake Bureau, Bellevue, Wash.

circle 404 on inquiry card

INTERIOR PANELING / Three different paneling categories—smooth woodgrains, textured, and natural (brick, stone, etc.)—are pictured in full room settings and close-up photos in three idea brochures. ■ Masonite Corp., Peoria, Ill.

circle 405 on inquiry card

WATER-SAVING TOILETS / Closet tanks with an internal flushing system, found in compliance with almost all applicable codes, are fully described in a color plumbing trade catalog. These water-saving tanks are said to be ideal for converting conventional toilets without removing existing bowls. ■ Geberit Mfg. Inc., Michigan City, Ind.

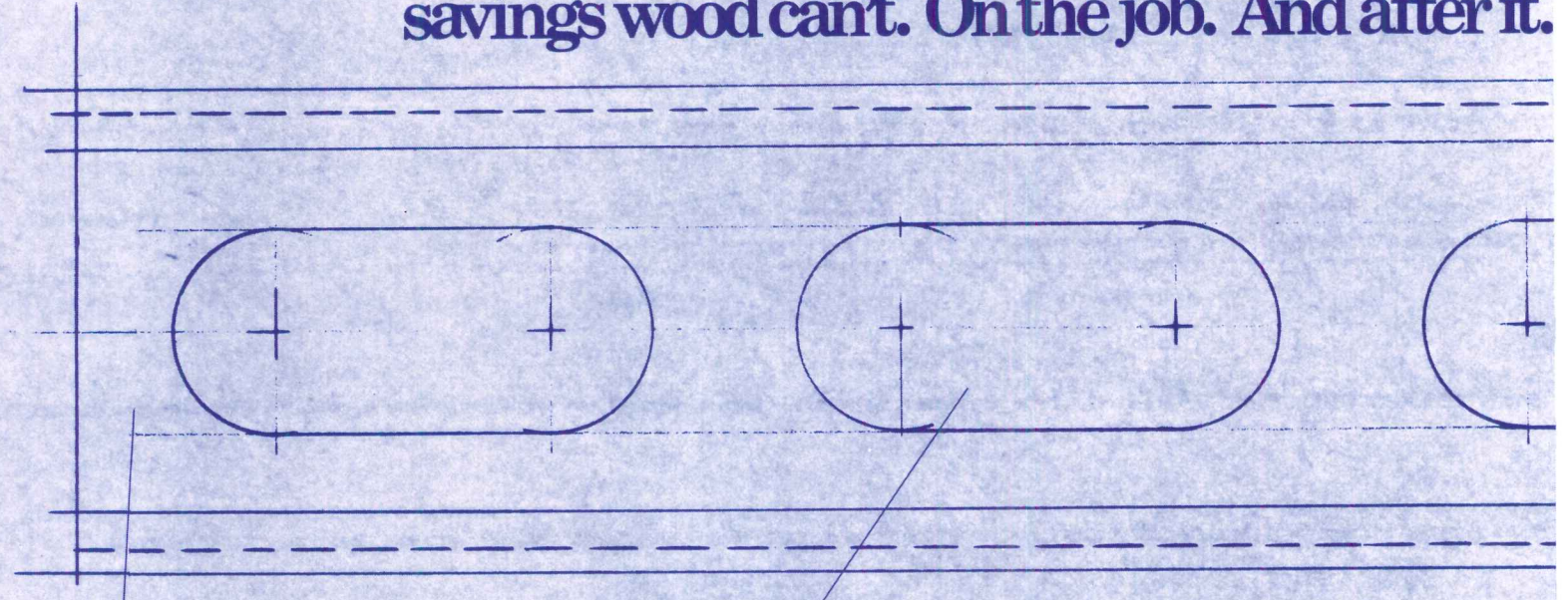
circle 406 on inquiry card

FOLDING STEEL DOORS / A six-page brochure shows how bi-fold doors can be matched with entrance doors, solve storage problems, and eliminate swelling, warping or splitting. Traditional, modern, flush and louvered styles are included. ■ General Products Co., Inc., Fredericksburg, Va.

circle 407 on inquiry card

Blueprint

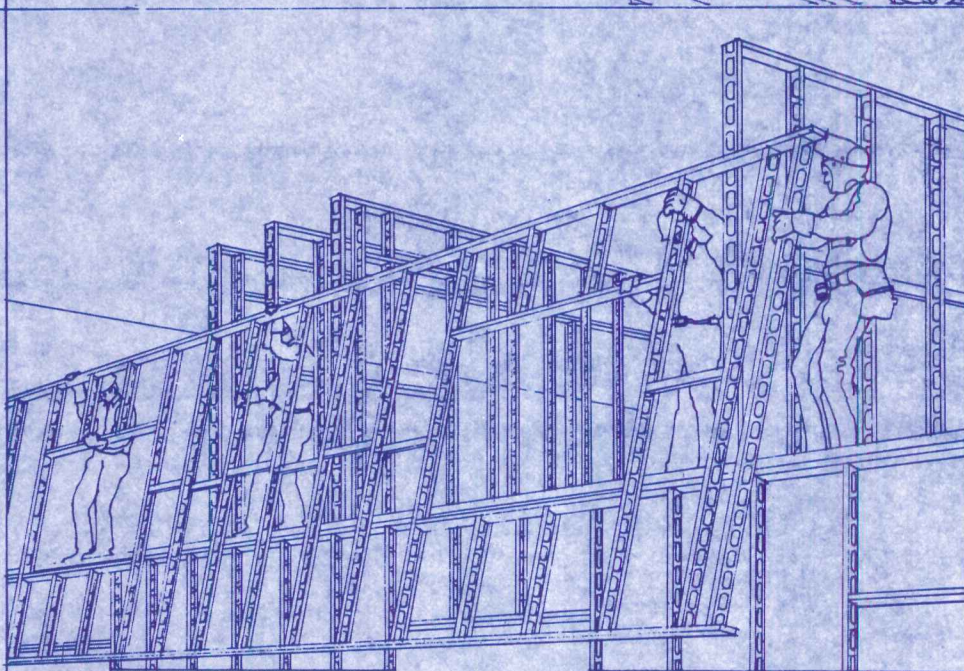
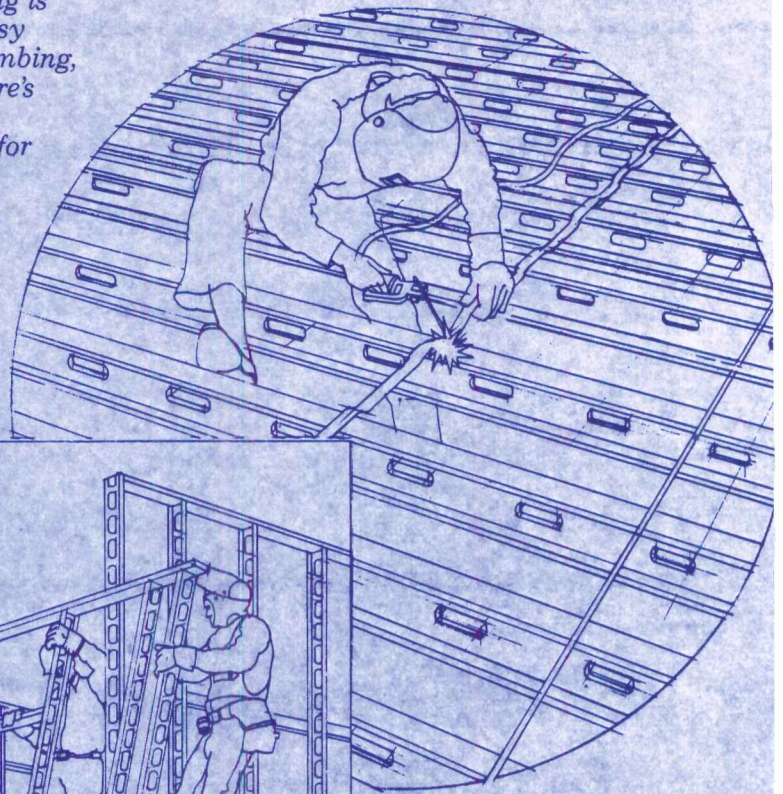
Wheeling Steel Framing provides savings wood can't. On the job. And after it.



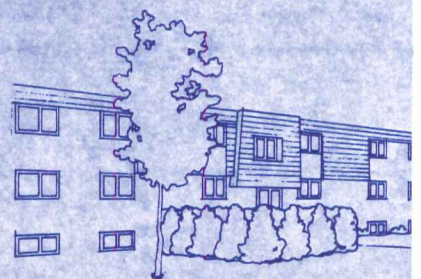
Pound for pound, Wheeling Steel Framing can support greater loads than wood or any other framing material. So you can space it wider and reduce the number of members by up to 60%.

Wheeling Steel Framing is pre-punched for quick, easy installation of wiring, plumbing, or blow-in insulation. There's no need to drill holes for service lines or notch-out for duct work.

Once the Wheeling Steel Joists were installed on this job, V-Bridging was attached in order to meet specified load-bearing requirements.



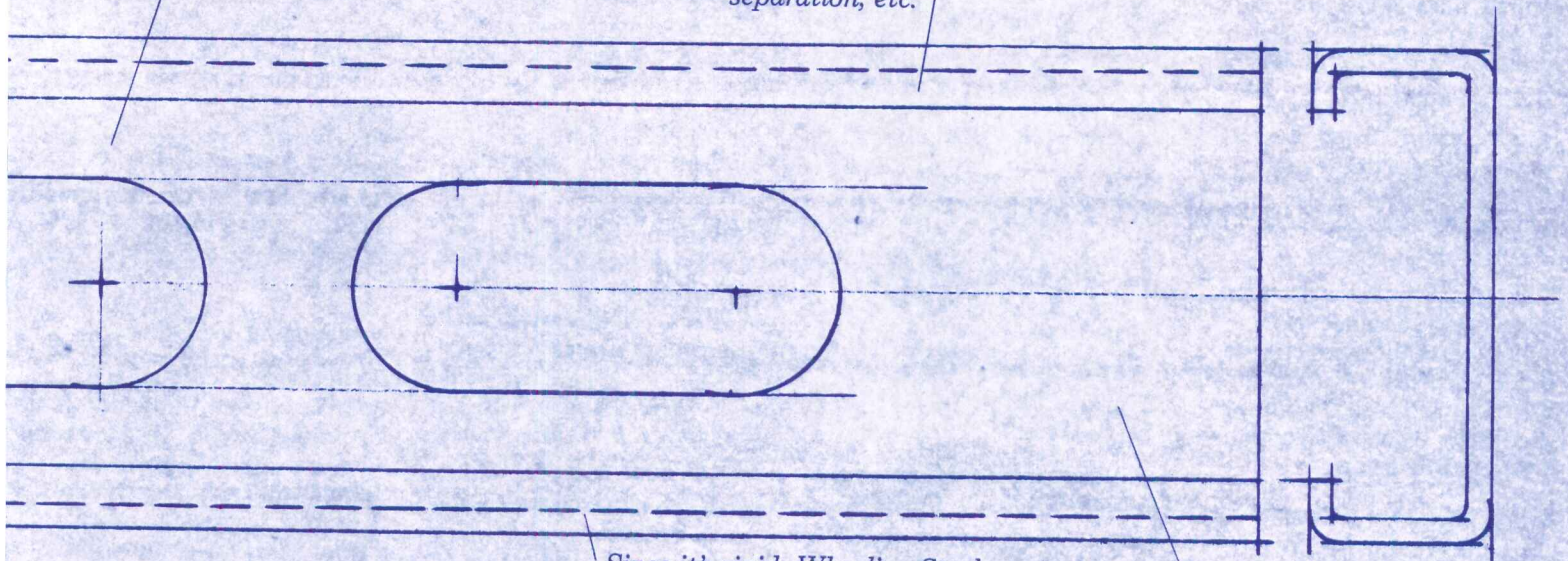
This lightweight wall section panel, fabricated using Wheeling Steel Studs, lifts into position with a minimum of manpower.



for savings.

Wheeling Steel Framing comes cut to specified lengths, so there's little, if any, waste. Even small pieces of scrap can be re-sold.

Wheeling Steel Framing won't warp, swell, shrink, or rot, so it gives you a rigid, stable framing system that results in fewer call-backs for door realignment, floor/wall separation, etc.



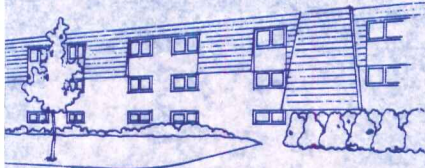
These are just a few of the reasons why economical Wheeling Steel Framing is now in the plans and on-the-job at construction sites for a variety of commercial and institutional buildings. Apartments. Schools. Townhouses. Hospitals. And more.

And here's another reason: by fabricating wall and floor section off-site ahead of your on-site building schedule, you can cut construction costs in *half!*

To learn even more ways contractors and architects are saving with Wheeling Steel Framing, write for our brochure WC-608. You'll get all the information, load tables and other technical data you need for specification, design and construction.

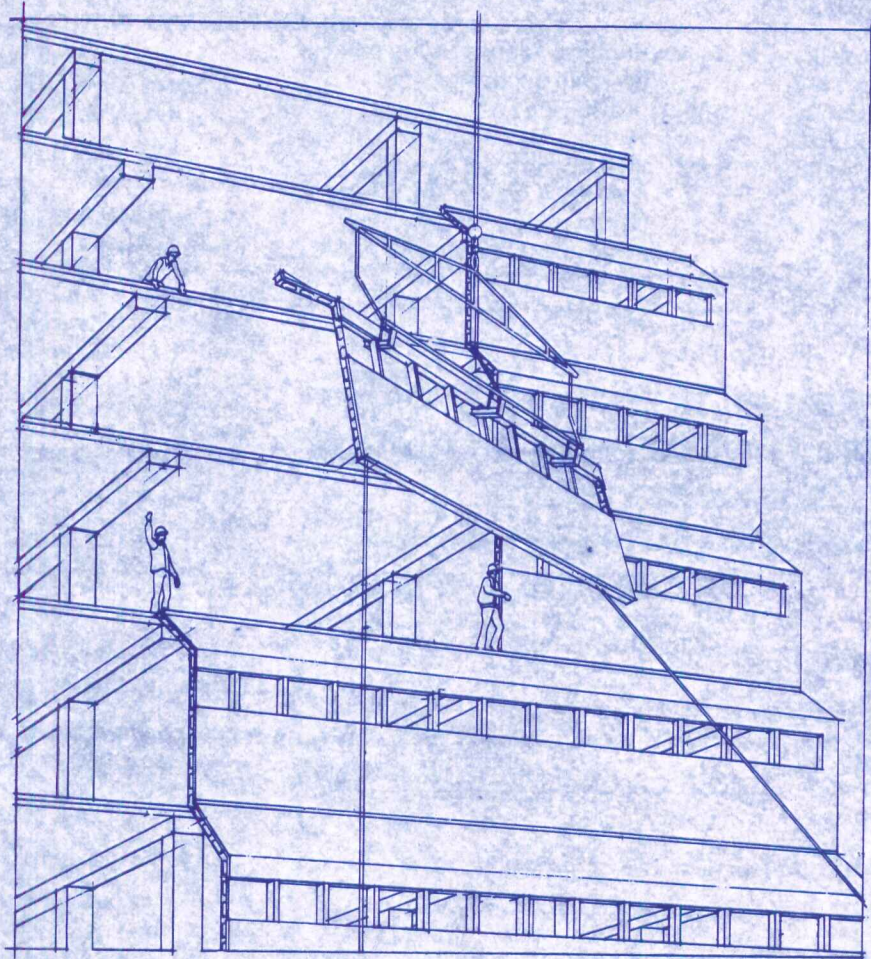
Write: Wheeling Corrugating Company, Division of Wheeling-Pittsburgh Steel Corporation, Dept. GC-17, Four Gateway Center, Pittsburgh, PA 15222.

Wheeling Steel Framing



Since it's rigid, Wheeling Steel Framing prevents nail pops and plaster cracks. Costly call-backs are minimized.

Wheeling Steel Framing has National Code approvals with 1-hour and 2-hour fire ratings.



The strength and rigidity of Wheeling Steel Framing provides many design options, such as this curtain wall application, not possible with wood construction.

For more data, circle 43 on inquiry card

Velux Roof Windows may inspire you to plan living space in areas that weren't planned for living before.

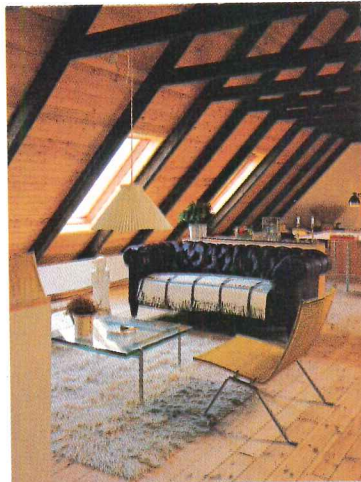
Whether in attic or cathedral ceilings, our windows provide a light and airiness that give you a whole new freedom of design.

Many architects have achieved striking effects by employing Velux windows in the roofs of high-ceilinged homes, making the sky above a part of the decor, as it were.

Ceiling height isn't a problem, incidentally, because we can supply three different remote control devices, including an electric unit which supplies the "reach" at the flick of an ordinary wall switch.

As for more common constructions, our windows supply the light and ventilation that are a prerequisite for creating a living environment under any gable roof. A good way to make a house larger on the inside without making it any larger on the outside.

We don't have to tell you about today's economic realities in the building business. Which is why our Living Attic is not just a catch phrase. In new construction and old, it simply makes good sense to use that valuable attic space for more things than gathering dust.



Light and ventilation: First priorities in a Living Attic.

There is nothing to prevent a Velux window from admitting every ray of light coming its way. It is aligned with the natural line of the roof. No overhead construction. No sides. Velux windows admit more light than dormers.

Similarly, our windows make it possible to obtain better ventilation. While they can be swung all the way around in a 180° arc for easy cleaning, our center-friction hinges allow them to remain open in any position up to the horizontal, when maximum ventilation is desired.

We even provide a Ventilation Flap so that air can be freshened when the window is locked, a nice security feature, too.

Our Control Bar is more than a piece of hardware.

The Control Bar, which runs the full width of the sash, is handy in every sense of the word. If you look closely at the picture on the preceding page you will notice that the Bar is at the top of the sash. This offers two important advantages in attic installations:

1. By having the Bar overhead, it is out of the way. Furniture and other objects can be placed directly in front of the window, providing more flexibility in the use of floor space.
2. The Bar is always within easy reach, allowing the window to be installed closer to the floor, for a better view of the outside. Look at the picture on the other page again.

And Velux windows also conserve energy.

Since we've been making roof window for a long time, we've learned a bit about keeping the weather out and the heat in, when it's important. And this is why every Velux window comes with factory-installed weather stripping. As for the pane, it's double-pane insulating glass. Unless you want triple-pane units, which we also supply.

Beautiful but unobtrusive.

Unlike many dormers, which look like an afterthought, Velux windows always look like they belong. They follow the natural roof line, as we've already mentioned. In addition, the outside is clad with aluminium sheathing whose neutral finish is compatible with all roofing materials.

We also supply optional flashing which is virtually hidden, and which reduces installation time to an absolute minimum. It's simplicity itself!

On the inside we are all wood, assembled with a careful workmanship and a finish that are of an exceptionally high standard.

Full range of accessories.

In addition to coming in a variety of sizes, our windows are available with special types of glass, sun shades, Venetian blinds and insect screening. And with the remote control option you read about earlier.




Advantages of a Velux window.

- Maximum light and ventilation.
- Weather-tight, energy-saving construction with factory-installed weather stripping.
- Overhead Control Bar allows for more usable floor space, more view of the outside.
- Outside pane cleaned from the inside.
- Simple labor-saving installation.

As for cost, you will find this is an advantage too, both in terms of purchase price and cost of installation. This is something we'll be pleased to tell you about in detail if you contact us.

VELUX
Roof Windows

There's a lot more you should know about Velux. Send for our free 28-page brochure.




VELUX-AMERICA INC.
74 Cummings Park, Woburn, Mass. 01801
Telephone (617) 935-7390.

Name _____

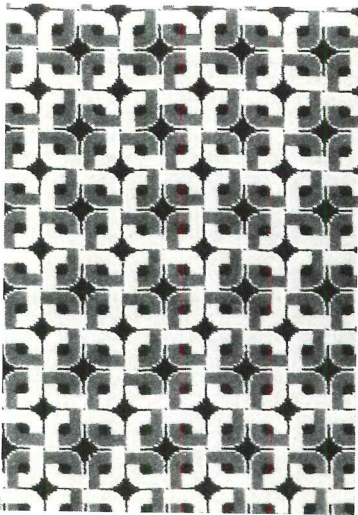
Firm _____

Address _____

Town _____ State _____ Zip _____

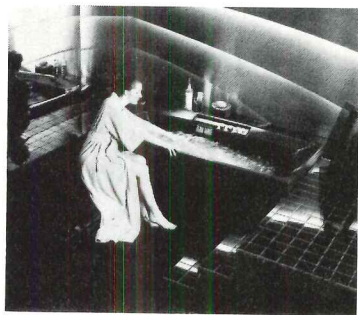


RH 578



CARPETS / "Frosted Links" is a new addition to this manufacturer's residential and contract carpet line. An Axminster weave using *Anxo X* nylon for soil and static resistance, this pattern is available in turquoise/green and red/rust/black color combinations. There are 13 other new designs offered in carpeting for a variety of traffic requirements; prices range from \$5.95 to \$16.95 per sq yd. ■ Alexander Smith Carpet, Mohasco Corp., Amsterdam, N.Y.

circle 301 on inquiry card



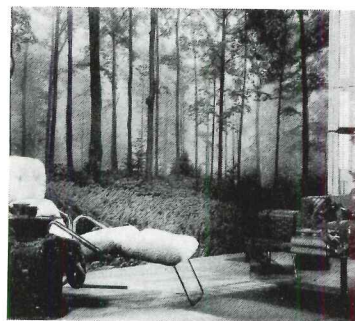
WHIRLPOOL BATH / The "Prima VI" is a futuristically-styled addition to a full line of whirlpool baths for residential installation. Faucets have been replaced by special fill spout and water valves, both plumbed into the bath itself. The molded fiberglass tub is 72-in. long by 36-in. wide by 18-in. high, and holds 65 gallons of water. All water fill and air induction controls are placed on the built-in master console: the user can "fine-tune" the air/water mixture for the massage level desired. Whirlpool baths, all self-contained, start at about \$1400, for a 4- by 3-ft showersoaking tub/whirlpool combination unit. ■ Jacuzzi Whirlpool Bath Inc., Walnut Creek, Calif.

circle 302 on inquiry card



BALANCE VALVE / The *Equa-Flo* pressure balance valve uses a sensing mechanism to maintain the same shower/tub water flow and near the same temperature when other demands for water in the home lead to a drop in hot or cold water pressure. The new valve is available in the "Cascade" line of bath controls. ■ Bradley Corp., Menomonee Falls, Wis.

circle 303 on inquiry card



PHOTOMURALS / Said to be equally suitable for residential and commercial installations, *Naturescapes* murals are lithographed on a matte finish laminated polypropylene material in 3½ by 4½-ft panels. They are rated at 17.95-0-0 under ASTM E-84-68. Panels will not stretch or tear when wet, allowing for easy hanging of the four or more panels required for a given scene. Completely dry strippable, *Naturescapes* are waterproof, stain resistant, and washable. Some scenes may be repeated indefinitely to cover any wall length. ■ Naturescapes, Inc., Woodbridge, Conn.

circle 304 on inquiry card
more products on page 138



**Weathering
for sale . . .**

*To enhance
the beauty
of wood . . .*

**Cabot's
STAINS**

Why are stains often chosen over paints? Because wood and stains are made for each other . . . stains bring out the best in wood, blend naturally, beautifully into the setting. For the home shown here, the architects specified Cabot's Bleaching Oil to attain the weathered "driftwood" look . . . an effect heretofore found only in seacoast areas after years of exposure to salt air. Cabot's Stains, in 87 unique colors, protect the wood, enhance the grain, grow old gracefully, never crack, peel or blister.



Samuel Cabot Inc.

One Union St., Dept. 529, Boston, Mass. 02108

- Send color cards on Cabot's Stains
- Send Cabot handbook on Wood Stains

Long Island home; Architects: Vernon and Jay Sears, Quogue, Long Island; vertical siding treated with Cabot products.

"Cabot's Stains, the Original Stains and Standard for the Nation since 1877"



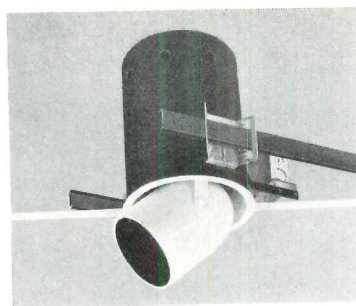
THERMAL FRENCH DOOR / Double-glazed tempered safetyglass is used in this French-style door said to be 64 per cent more energy efficient than similar doors with single glass panes. Door, available in 14 different configurations, is constructed of vertical grain Douglas fir or hemlock, with the thermal glazing sealed against air or water infiltration. Exterior panes may be either clear or bronze tinted; the wood grille is removable for cleaning or finishing. ■ Simpson Timber Co., Seattle, Wash.

circle 305 on inquiry card



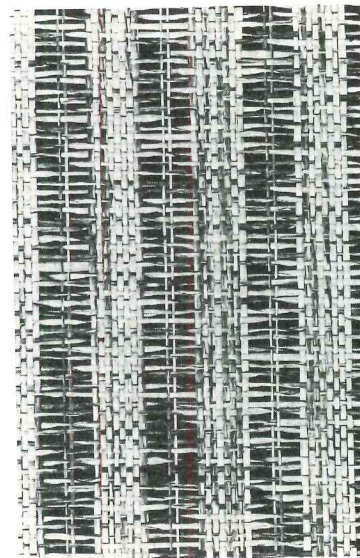
DROP-IN RANGE / One of a full line of gas and electric kitchen units packaged for builders, this electric drop-in style range fits any 30-in. wide cabinet. Features include a self-cleaning oven with black glass door, "Meal-Minder" oven timer, lift-up cooktop, signal lights and non-tilt racks. ■ Magic Chef, Cleveland, Tenn.

circle 306 on inquiry card



DUAL-PURPOSE DOWNLIGHT / This new incandescent fixture looks like a standard downlight, recessed into the ceiling. But a special hinged armature allows the lamp in its housing to be extended out of its recessed position for use much like a track or accent light. Once the lamp is extended, it can be rotated 350 degrees on its vertical axis and 90 degrees on its horizontal axis. Two different models permit installation in either accessible or plaster ceilings; options include concentric ring and egg-crate louvers and filter holders, and a series of color filters. ■ ITT Indoor Lighting, Vermilion, Ohio.

circle 307 on inquiry card



NATURAL WALLCOVERINGS / Over 150 different weaves, warp lays, and linen textures, all handmade in the Far East, are included in the "Warps & Weaves" collection of wallcoverings for contract and residential applications. Available in a range of contemporary colorways, the wallcoverings are 36-in. wide by 4 yds long per roll; prices range from \$19.95 to \$37.95 per roll. ■ Bob Mitchell Designs, Culver City, Calif.

circle 308 on inquiry card

more products on page 143

THREE INCOMPARABLE CATALOGS

IN FULL COLOR — TO THE TRADE ONLY, UPON REQUEST

PINECREST — 100 Pages of Shutters & Shoji

EL DORADO — 84 Pages of Hand Carved Doors

THE FORGE — 76 Pages of Hand Wrought Iron



CS-3



98



F-156

GOURMET RAK • GATES
FENCES • VINTNERS CHESTS
ROOM DIVIDERS • CHAIRS
BAKERS RACKS • PLANT
HOLDERS • SHELVES, ETC.



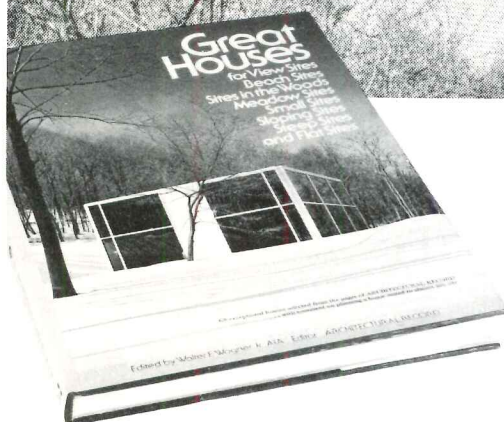
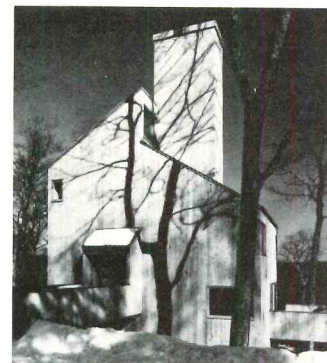
PINECREST INC. 2118 BLAISDELL AVENUE • MINNEAPOLIS, MINNESOTA 55404 • TELEPHONE 612/871-7071
OUR 24TH YEAR

For more data, circle 46 on inquiry card

For more data, circle 47 on inquiry card

Great Houses

for View Sites
Beach Sites
Sites in the Woods
Meadow Sites
Small Sites
Sloping Sites
Steep Sites
and Flat Sites



230 pages, 9 x 12,
more than 500 illustrations

Edited by Walter F. Wagner, Jr., AIA,
Editor, Architectural Record

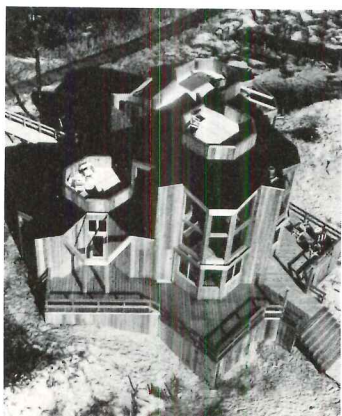
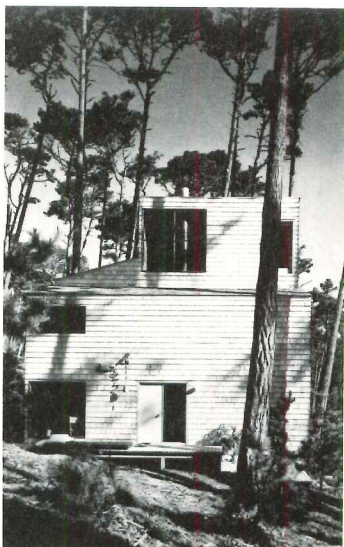
Visit these 68 exceptional, idea-filled houses. Each designed and built to fit its own unique surroundings.

Uncover the uncommon in this visual odyssey highlighting some of the most outstanding, trend-setting houses to appear on the pages of *Architectural Record*. You'll see 68 original, livable, and convenient homes . . . superlative creations of space and mood and each custom designed for its own particular site.

One of the most striking features is the book's lavish illustrations. A variety of exterior and interior photographs let you see hundreds of rooms, specific architectural details, floor plans, furnishings, and decorations.

This finely bound compendium of idea-filled homes illustrates the critical relationship of a house to its site, explains how and why houses must be related differently to different sites and shows how this relationship results in better homes.

You'll use this book for browsing and to stimulate your own creativity. To see how various design elements can be cleverly and dramatically put to specific advantages. And to be inspired to develop a unique design for a house of your own.



ARCHITECTURAL RECORD

AR-RH-78

1221 Avenue of the Americas, New York, N.Y. 10020

Please send me GREAT HOUSES (002314-X) for 10 days' free examination. At the end of that time I will remit \$21.50, plus local tax, postage, and handling, or return the volume without obligation. This offer good only in the U.S. and subject to acceptance by McGraw-Hill.

Name _____

Address _____

City _____

State _____ Zip _____

SAVE MONEY

Remit in full with this order, plus local tax, and McGraw-Hill pays all regular postage and handling costs. Return book in 10 days for full refund if not completely satisfied.

03K-539-4005-3



Weathered Brown Pine Veneered Plywood 5/16"

Barnplank™

PANELING



Georgia-Pacific introduces wall paneling with the rustic, mellow look of weatherworn barn board. New Barnplank paneling is a 5/16"– 4' x 8' panel with a face veneer of real Ponderosa pine. All natural markings in the veneer, such as knots, splits and worm holes, have been retained.

Irregular-width grooves, approximately 12" apart, also contribute to the look of authentic barn boards. What's more, Barnplank paneling comes in three subtle but distinct shades of weathered brown, grey and white to give you design flexibility.

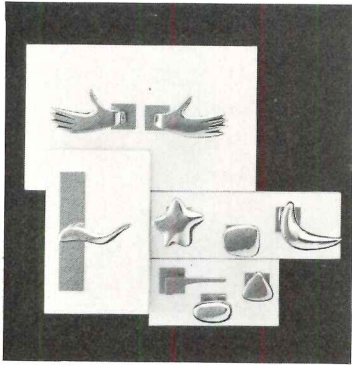
And it's readily available across the country.

Write today for a free brochure and samples of all three shades of Barnplank paneling.

Georgia-Pacific

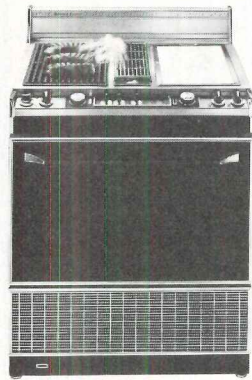
900 S.W. Fifth Avenue
Portland, Oregon 97204





BRONZE HARDWARE / Shown are some of the 24 architectural hardware items sand molded and hand finished in France of solid bronze: included are knobs, levers and outside pulls, all said to work with any heavy-duty latch set. A protective finish eliminates maintenance on the bronze or nickel-plated surfaces, even when used out of doors. Hardware is sized from 2 1/4- to 5 1/2 in.; retail price is \$56.00 a pair. ■ Barbizon Appointments, Ltd., Birmingham, Mich.

circle 309 on inquiry card



GRILL/RANGE / Said to be the first kitchen range with an electrostatic precipitator, this new electric unit uses a proximity ventilation system to eliminate cooking and grilling fumes and smoke, and requires no outside venting. The air purification cell can be cleaned periodically in the household dishwasher. This ductless air cleaning system will be available on a number of the manufacturer's ovens and ranges; it was designed especially for apartment and condominium installations. ■ Jenn-Air Corp., Indianapolis, Ind.

circle 310 on inquiry card



BATH FIXTURES / Created by Italian industrial designer Paolo Tilche, the toilet and lavatory shown above are part of the manufacturer's "International Line" of bath fixtures and fittings. The "Tilche Suite," made in the U.S., features angular forms, with a large basin positioned on a pedestal contoured to match the toilet base. These pieces are available in two new accent colors, "Aegean Mist" (blue/green) and "Bermuda Coral" (apricot) as well as seven other standard colors. ■ American-Standard, U.S. Plumbing Products Group, New Brunswick, N.J.

circle 311 on inquiry card



STEEL GARAGE DOOR / The *Century 500* residential garage door has specially-designed *Child-Safe* joints between sections, said to reduce the chance of injury to hands and fingers. The steel door comes as a unit, complete with heavy-duty hinges and roller brackets and tapered track with nylon rollers. Two energy-saving options are offered with the *Century* door: a kit of 1 1/2-in.-thick fiberglass panels for interior insulation, and a perimeter weatherstrip package. ■ Stanley Door Systems, Birmingham, Mich.

circle 312 on inquiry card

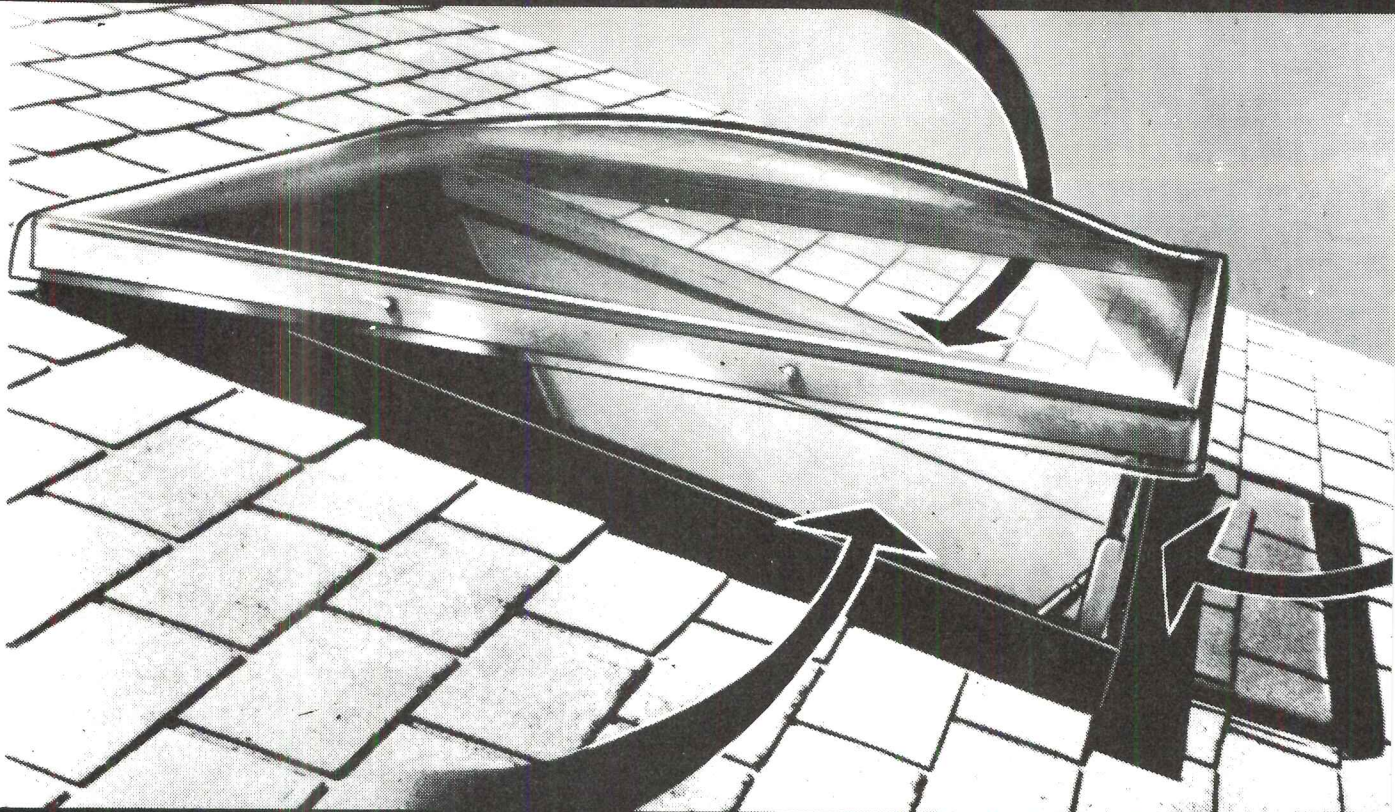
more products on page 145

the ventilating skylight

**SPECIFY
THE BEST
PLASTIC
DOMED
SKYLIGHT
ON THE
MARKET
TODAY**

**FIXED OR
VENTILATING
MANUAL,
POLE,
ELECTRIC**

**Write for free
illustrated literature**



VENTARAMA SKYLIGHT CORPORATION

75 Channel Drive, Port Washington, New York 11050 (516) 883-5000

For more data, circle 49 on inquiry card



For Interior Elegance and Durability Whitacre-Greer Thin Pavers in Warm Earth Tones

Whitacre-Greer Thin Pavers bring beauty and durability to lobbies, foyers, game rooms and other interiors. Just 5/8" thick, they are available in a wide range of distinctive earth tones.

Whitacre-Greer Architectural Pavers are products of one of the country's richest clay areas — east central Ohio. The character and wide appeal of this unique range of earth tones is due to these rich Ohio deposits, processed with a variety of additives, under rigidly controlled firing conditions.

For the name of your nearest Whitacre-Greer representative, call SWEETS BUYLINE. Or, write or call collect to Whitacre-Greer, Waynesburg, Ohio 44688. Phone (216) 866-9331.

Thin pavers shown here are available as 3 3/8" x 7 5/8" rectangles. All are 5/8" thick. Compressive strength 10,500 psi. Maximum average absorption rate 4%. Freeze-thaw cycles, 100 minimum. Size and distortion tolerance and color variations on pavers will meet ASTM Designation C-216, Type FBS.



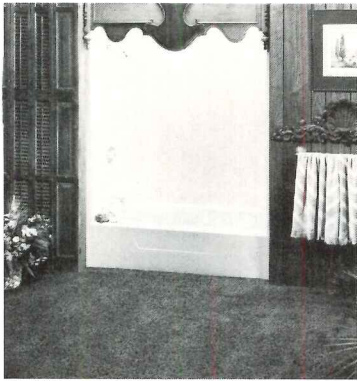
CANDLELIGHT CALEDONIA BROWN IRON SPOT RUSTIC



ANTIQUÉ RANGE FULL RANGE IRON SPOT MULBERRY FLASHED RANGE

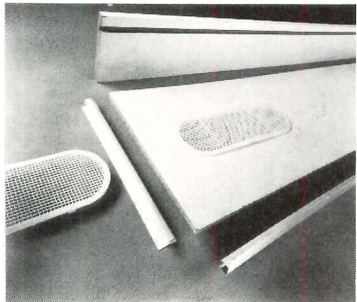


WHITACRE-GREER
WAYNESBURG, OHIO 44688



ONE-PIECE BATH UNIT / Manufactured in one piece of *Corlglas*, a fire retardant fiberglass-reinforced polyester compound that resists stains, rust and mildew, this bath unit is designed for remodeling applications by contractors and homeowners alike. Three models are offered (in any of 16 colors): a 28- by 36-in. shower unit for limited-space areas; a 28- by 48-in. shower; and a 60-in. left-hand tub/shower combination unit, shown above. ■ *Corlglas Corp.*, Fort Wayne, Ind.

circle 313 on inquiry card



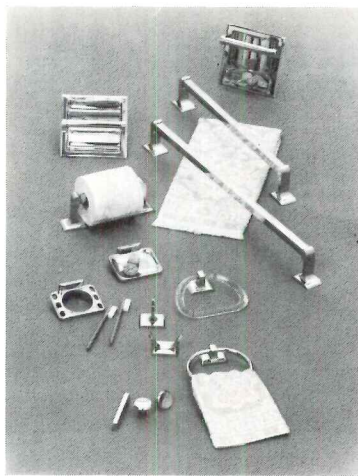
VENTED SOFFIT BOARD / The "Ready-vent" *Soffitsote* is a 1/8-in. 440-density board, factory primed on both sides, with diecut vent holes that are covered with a snap-in plastic screen. *Soffitsote* is available in widths from 12- to 48-in. Other products in the line include both plowed and non-plowed fascia board. ■ *Homasote Co.*, West Trenton, N.J.

circle 314 on inquiry card



REFINISHED PANELING / A face veneer of Ponderosa pine is finished in shades of weathered grey, brown or white to give "Barnplank" paneling the aged appearance and natural markings of knots, splits and worm holes of old barn wood. Irregular-width grooves spaced about 12-in. apart, give the 4- by 8-ft panels the look of individual boards. ■ *Georgia-Pacific*, Portland, Ore.

circle 315 on inquiry card



BATH HARDWARE / The *Chrome-Craft* line of bath accessories includes 18- and 24-in. towel bars, chrome and Lucite towel rings, recessed soap dish/grab bar, surface mounted and recessed tissue holders, and robe hooks. ■ *Ajax Hardware*, Div. of *Scovill*, City of Industry, Calif.

circle 316 on inquiry card



SWING-SPOUT FAUCET / The *Waterfall* faucet is now offered in six models designed for the kitchen and lavatory, all washerless and water-saving; flow is limited to about 2.75 gpm at 80 p.s.i. The high-rise swing spout provides free work space between spout and sink. ■ *Delta Faucet Co.*, Indianapolis, Ind.

circle 317 on inquiry card



HEAT/COOL SYSTEMS / All three through-wall models in the *Zoneline III* heat pump line are said to offer substantial energy savings and cooling efficiencies. Intended for both original equipment and retrofit use in all types of multi-family and commercial structures, the 42-in. *Zoneline III* unit is currently available in 9,100-, 11,500-, and 13,700-Btuh capacities for 230/208-Volt operation; 265-Volt operation will be offered in mid-1978. ■ *General Electric Co.*, Louisville, Ky.

circle 318 on inquiry card

DiAZiT® PRESENTS The Scentsible Whiteprinter

(blueprinter)



the
DiAZiT® TRAN
eighteen

IT'S AMMONIA FREE!

Eliminating the ammonia provides a **scentsible** environment, with no more worries about OSHA ammonia regulations, and

THAT MAKES SENSE!

FOR MORE INFORMATION

CALL TOLL FREE (except N.C.) 800-334-6641 or

Send for descriptive literature on the most complete line of moderately priced whiteprinters (blueprinters) on the market today.

DiAZiT®
COMPANY, INC.

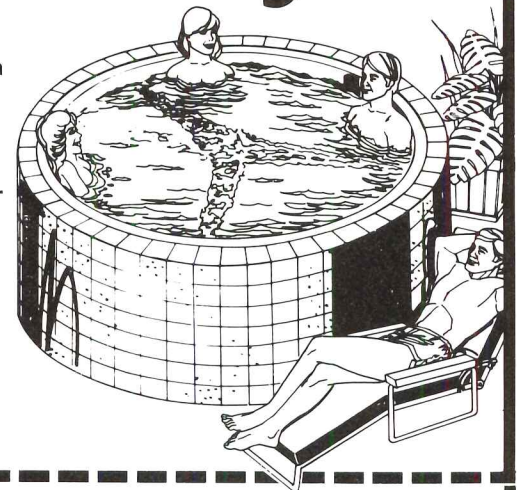
U.S. #1, Youngsville
N. C. U.S.A. 27596

For more data, circle 51 on inquiry card

Hot Tub-Plus by Aqua Plunge

All the relaxation of the old hot tubs with the benefits and beauty of fiberglass: easily cleaned and sanitized. Available with Jet Action whirlpool attachment to bubble away tension and provide soothing mental and physical relaxation and recreation.

Specify Aqua Plunge. Available in 6' I.D. in 28" or 42" depths.



Aqua Plunge relaxing pools

A PRODUCT OF WIEDEMANN INDUSTRIES, INC.
P. O. Box 677, Muscatine, Iowa 52761
Call toll free (800) 553-9664 In Iowa call (319) 263-6642 Collect

I am interested in the Aqua Plunge. Please send me complete details.

NAME _____

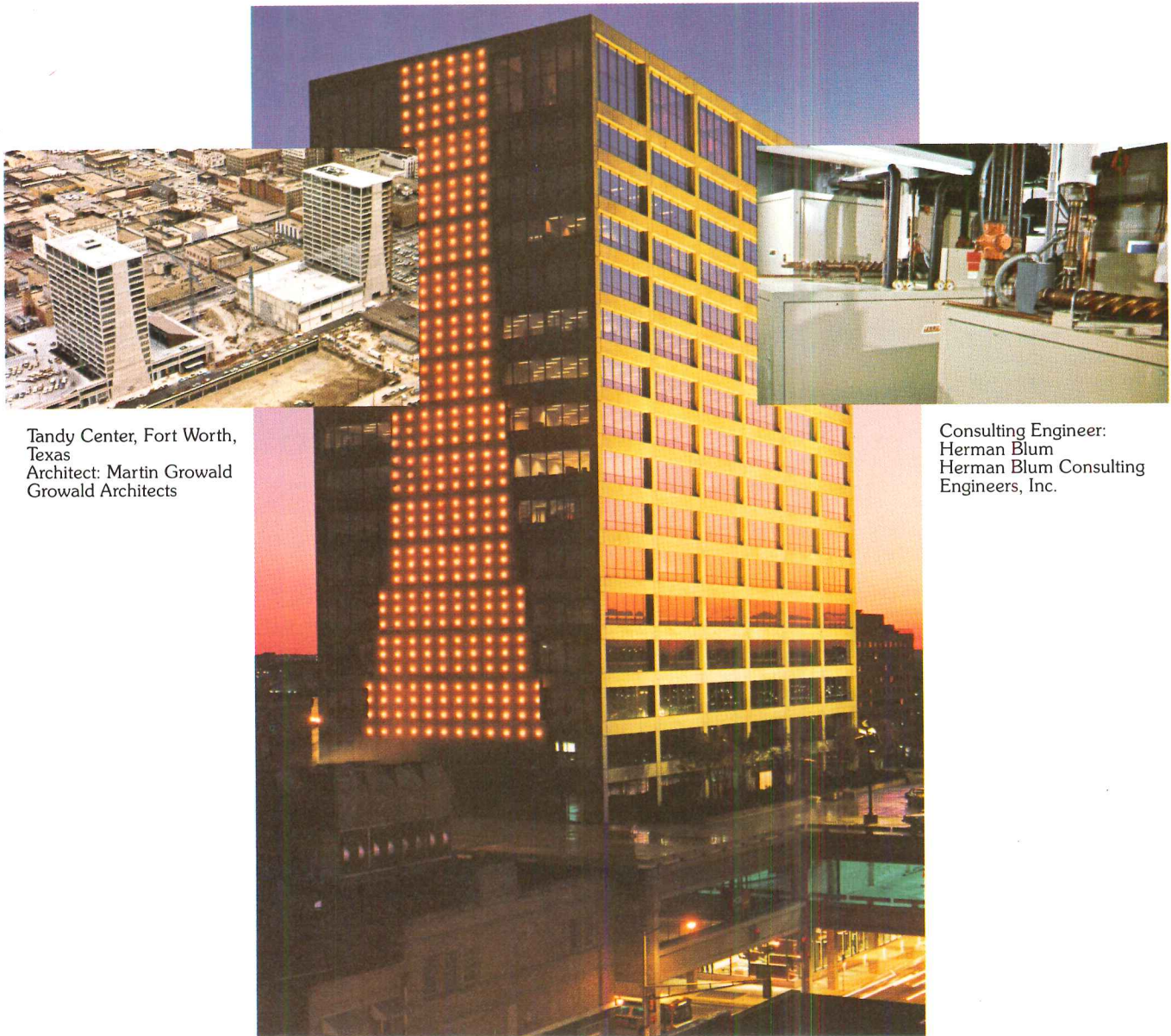
FIRM _____

STREET _____ PHONE _____

CITY _____ STATE _____ ZIP _____

For more data, circle 52 on inquiry card

For more data, circle 50 on inquiry card



Tandy Center, Fort Worth, Texas
 Architect: Martin Growald
 Growald Architects

Consulting Engineer:
 Herman Blum
 Herman Blum Consulting
 Engineers, Inc.

Lennox introduces the floor-by-floor HVAC system that brings new comfort, savings and safety to high rise buildings.



Take it from Dave Lennox.

The new Lennox "Multi-Mod™", floor-by-floor system offers high rise architects and engineers an uncompromising flexibility that central station systems cannot provide:

- Fits into almost any type structural design. Great for new buildings or renovation.
- Gives tenants control of their own temperatures and power usage.

- Depending on the design, significant energy savings can be achieved by:
 - Reclaiming heat from building lights
 - Outdoor air cooling
 - Efficient part occupancy operation
 - Low transport energy
- "Multi-Mod" is a low pressure system . . . extremely quiet.
- Initial cost is less . . . equipment need not be brought in until space is leased,

because it fits in an elevator.

- If a fire occurs, smoke can be confined easily to that floor.
- Equipment shutdown affects only one floor at a time . . . less disturbing to tenants.

An outstanding example of the Lennox floor-by-floor, "Multi-Mod" system is in operation at the new Tandy Center in Fort Worth, Texas. For complete information write Lennox Industries Inc., 864 S. 12th Ave., Marshalltown, Iowa 50158.

LENNOX

AIR CONDITIONING • HEATING

"Attaboy, Dave!"

For more data, circle 53 on inquiry card



Aluminized EPS sheathing cuts the cost of improving wall insulation

Low-cost, lightweight EPS non-structural sheathing helps achieve the energy-conservation goals of modern construction.

Fabricated into panels with a protective aluminized kraft facing, EPS sheathing adds enough insulating power to attain an effective thermal resistance "R" value of 19 in conventional wood-frame construction.*

Non-structural insulating sheathing board produced from modified DYLITE® expandable polystyrene meets all of the requirements of Federal Specification HH-I-524B; Type I—Class A and Type II—Class A. It is also approved for use under FHA-HUD Materials Bulletin No. 71 and Materials Release No. 808, and under the Southern Building Code Congress' Compliance Report No. 7431-76. Protected with an approved thermal barrier on the inside surface of a wall,

non-structural expanded polystyrene sheathing is approved in the text of all three Model Building Codes: ICBO, BOCA and SBCC.

And the cost of EPS molded board, in terms of price per unit "R" compares favorably with conventional sheathing materials, including other cellular plastics.

Qualified EPS board molders are now producing such sheathing in quantity. For the names of molders convenient to you, and for other information on the properties and advantages of sheathing made with DYLITE EPS, write to ARCO Polymers Inc., Dept. 1122, 1500 Market Street, Philadelphia, PA 19101.

CAUTION: The foamed polystyrene described in this advertisement is combustible and should not be exposed to open flame or other ignition sources.



*Construction to achieve an effective thermal resistance of R-19 includes conventional studded walls, 3½" glass fiber batts (R-13) between studs, with ½" gypsum wallboard on the interior, and with 1" foil-laminated EPS sheathing and lapped ½" wood siding on the exterior.

ARCO/Polymers, inc. 
 Subsidiary of
AtlanticRichfieldCompany

For more data, circle 54 on inquiry card

Brand-new, ALL-NEW Second Edition . . .

A lavishly illustrated guide to the best in multi-unit housing

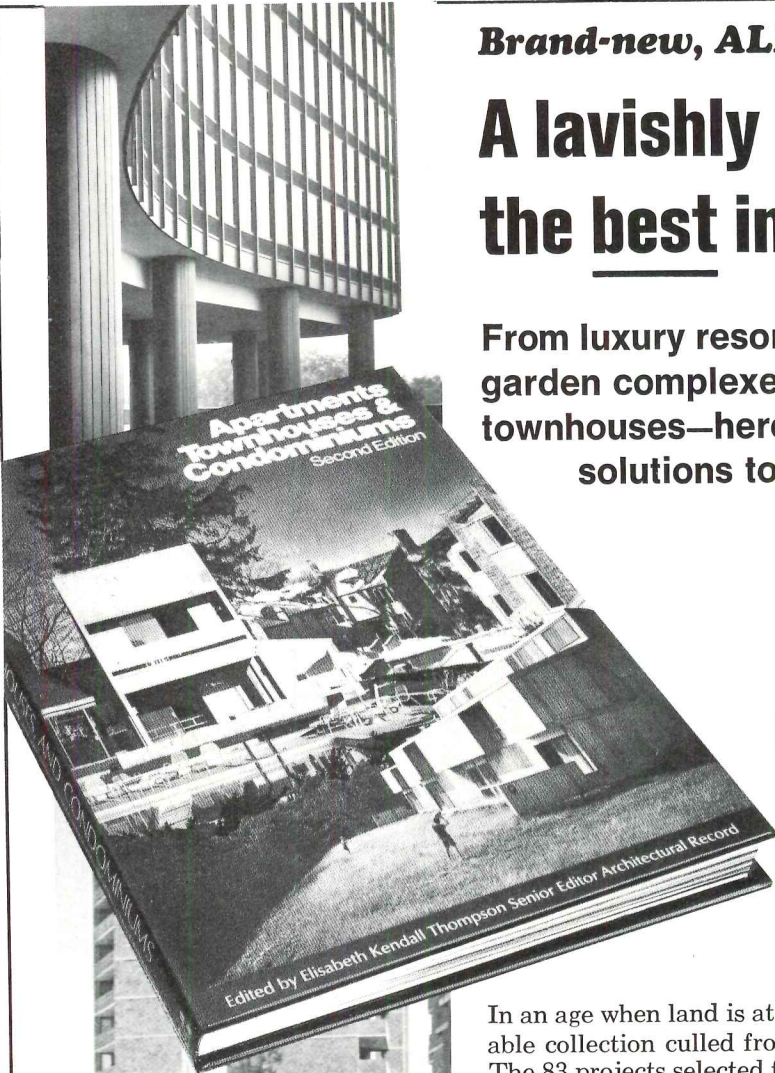
From luxury resort condominiums to moderate-income garden complexes to entire villages of single-family townhouses—here's a timely collection of imaginative solutions to typical planning and design problems

APARTMENTS, TOWNHOUSES & CONDOMINIUMS

Second Edition

Edited by ELISABETH KENDALL THOMPSON
Senior Editor, Architectural Record

An Architectural Record Book

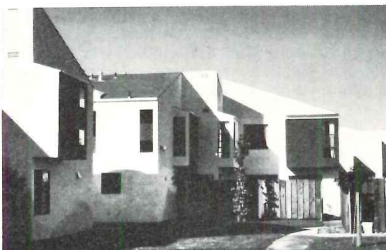
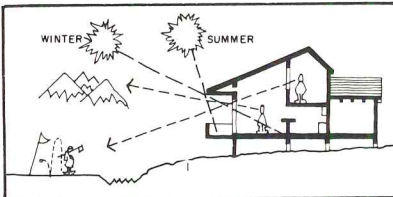


In an age when land is at a premium and multi-unit housing is on the increase, this valuable collection culled from the vast resources of *Architectural Record* fills a vital need. The 83 projects selected for this all-new Second Edition include some of the most imaginative and successful project designs of the past decade.

Turn to this handsome volume to discover what has worked best in apartment, townhouse, and condominium design—not only in housing units and buildings, but in land and site use, landscaping, and the general design approach to such developments as well. Superlative illustrations—nearly 550 of them—present in concrete visual form the wide range of stimulating ideas and ingenious solutions possible within a given framework and a given budget.

Here are the kind of aesthetically pleasing, people-oriented, high-density dwellings that can be achieved with the right combination of imagination, ingenuity, and dedication. Magnificent photographs are only part of the book's beauty and usefulness. There is also a profusion of floor plans, elevations, site plans, and perspective sections to show you how some of today's most creative minds are solving planning and design problems in a wide variety of building types.

216 pages, 550 illustrations, 9 x 12 format, \$24.50



10 DAYS' FREE EXAMINATION

McGRAW-HILL BOOK COMPANY
1221 Avenue of the Americas
New York, N.Y. 10020



Send me APARTMENTS, TOWNHOUSES & CONDOMINIUMS, Second Edition (002321-2) for ten days on approval. At the end of that time, I will remit \$24.50 plus local tax, postage and handling costs, or return the book postpaid without further obligation.

Name _____

Address _____

City _____

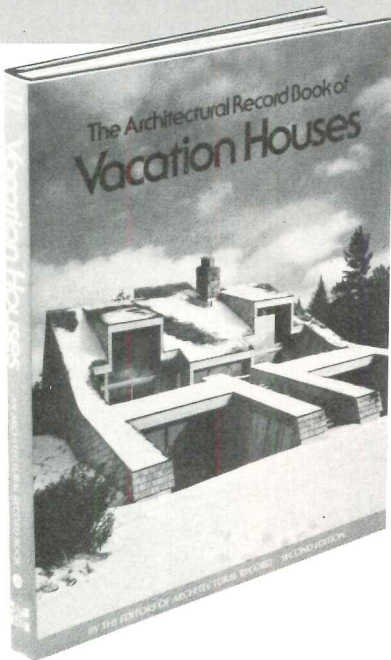
State _____ Zip _____

SAVE MONEY! Remit in full with this coupon, plus any local tax, and McGraw-Hill pays regular postage and handling costs. Same return and refund privileges still apply.

Offer good only in U.S. and subject to acceptance by McGraw-Hill.

03K-546-4005-3

New design ideas for resort and country houses
■ new design ideas for ski and hillside houses ■
new design ideas for weekend and summer houses ■
new design ideas for beach houses ■ new design ideas
for lakeside houses ■ the best of the best since 1970



The Architectural Record Book of Vacation Houses

Second edition Selected by the editors of Architectural Record

256 pages, 9 x 12 inches, more than 300 illustrations

See 62 of today's most exciting vacation houses and how architects are turning America's "let's-get-away-from-it-all" dreams into living realities . . .

Both you and your clients will put this rich edition of VACATION HOUSES to the best of uses—to glean inspiring and practical ideas from it! Bursting with exterior and interior photographs (black and white and full color), site plans, floor plans, and such specifics as cost range, this beautiful sourcebook shows you and discusses 62 of the very best new designs architects have come up with for vacation sites in the United States since the first edition in 1970. As many as 43 of these were **Record House Awards** winners.

Each of the houses you'll visit is provocative, stimulating, idea-filled. All together, they offer concrete answers to a considerable variety of sites, dreams, desires, needs, and budgets. They will not only help prospective owners to crystalize their unformed notions, but will give you, the architect, a springboard for exchanging with clients specific verbal and visual ideas about approach and appearance, feeling and form. They're the best of the best from the pages of **Architectural Record!**

Here are the top successes—for all climates, terrains, tastes

Wooded hideaways, lakeside cabins, country cottages, meadow-framed farm-houses, studios by the sea, slopeside chalets, dune nests, mountain aeries, private oases within planned communities—they're all here! And they're all models of intelligent, sound development—economically, architecturally, and ecologically.

Keep your eye on today's trends, philosophies, styles in America's "second homes"

What kinds of second houses are people dreaming about? What do they want and expect from that home away from home—whether it be a summer stopover or a year-round vacation haven? Often what the owner wants is a combination of opposites. Privacy **and** more involvement and activities with family. Elegance **and** ease. Simplicity **and** excitement. Formality **and** casual day-to-day living. But whatever they want, whatever the mood, these designs display an amazing degree of sensitivity, perception, freshness, and inventiveness. And whatever the individual site, whatever the individual taste, the designs promote full enjoyment of life and nature—and a deep experience of the site itself.

Practical talk for the practicing architect

Inspiration and stimulation aside, stress is also placed on such practical topics as costs, methods, and materials. Construction budgets range from under \$12,000. Upper brackets include a "mini-hotel" for a family of twelve! Hundreds of techniques are explained. For achieving dramatic effects and visual surprises. For accommodating a wide variety of activities. For applying eye-deceiving devices that can expand or contract space. For creating environments that are **at once** bold, quiet, sophisticated, and rustic! There are also ideas that are easily repeatable in several different versions!

MAIL THIS COUPON TODAY FOR 15-DAY FREE EXAMINATION

AR-RH-78

ARCHITECTURAL RECORD

1221 Avenue of the Americas
 New York, New York 10020

Please send me VACATION HOUSES, Second Edition (002337-9), for 15 days' free examination. At the end of that time I will remit \$19.95, plus local tax, postage, and handling, or return the volume without obligation. This offer good only in the U.S. and subject to acceptance by McGraw-Hill.

Name _____

Street Address _____

City _____

State _____ Zip _____

SAVE MONEY! If you remit in full with this order, plus local tax, McGraw Hill pays all regular postage and handling costs. Return books in 15 days for full refund if not completely satisfied.

03K-538-4005-3



**The lost look of the bayou country—captured
That's the beauty of Masonite**

Brand





Rugged texture and delicate shading. That's the look of pecky cypress. It's wild—yet somehow elegant. But it's been hard to find and expensive to buy.

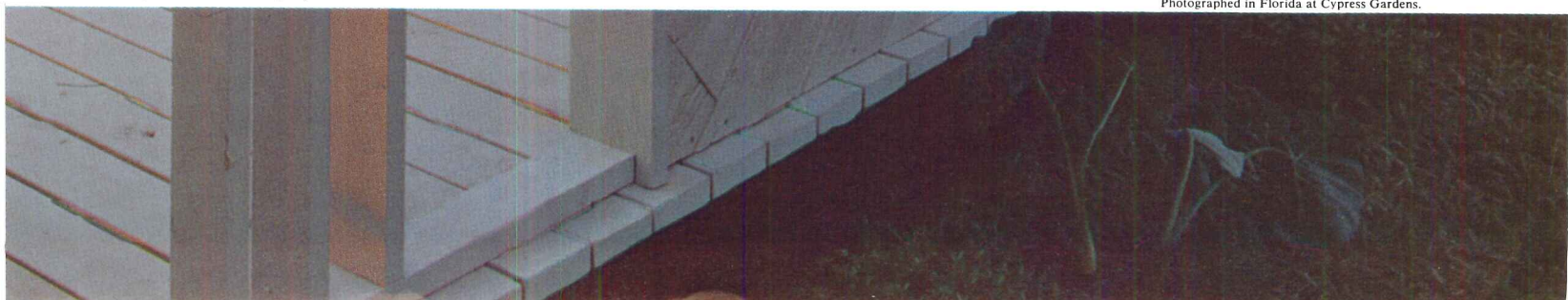
Until now. Now Masonite Corporation has captured the lost look of pecky cypress in low-cost

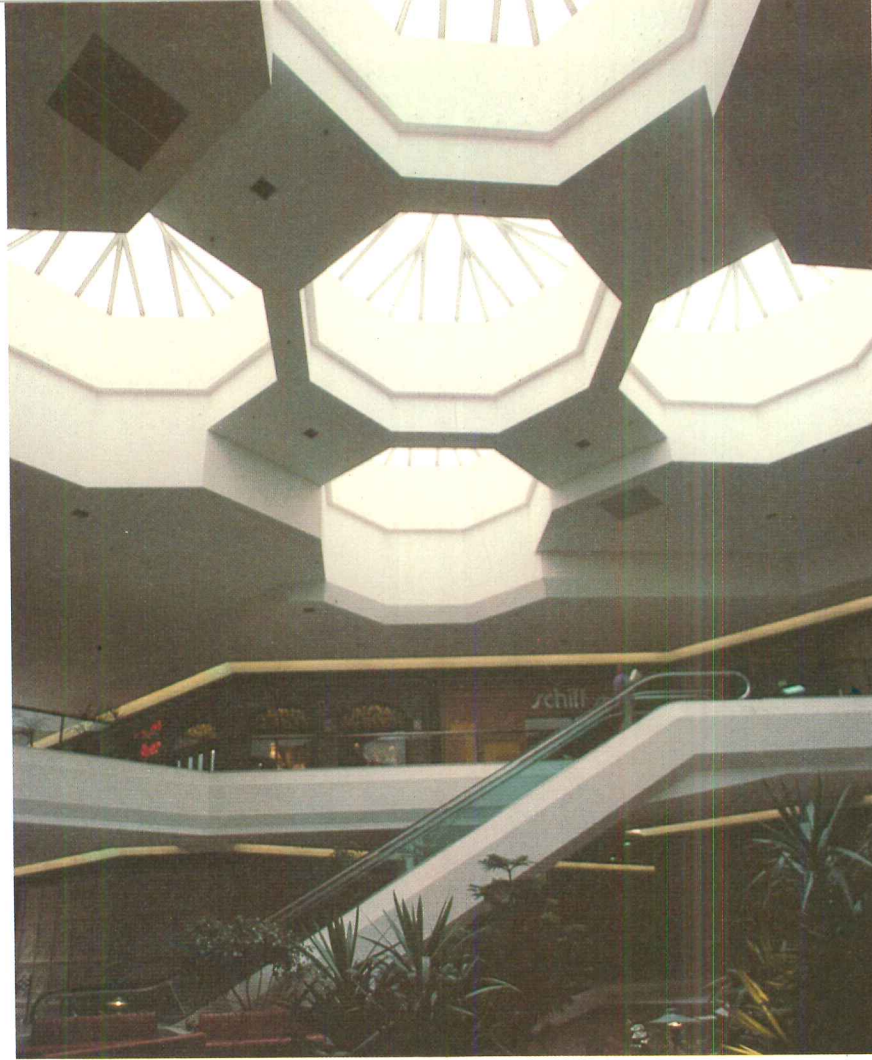
CypresSide™ hardboard siding. It's stately without being stuffy. And it's a look you won't find anywhere else. Specify light Gray or deep reddish Brown. For more information, write Masonite Corp., 29 N. Wacker Drive, Chicago, IL 60606.



For more data, circle 55 on inquiry card

Photographed in Florida at Cypress Gardens.

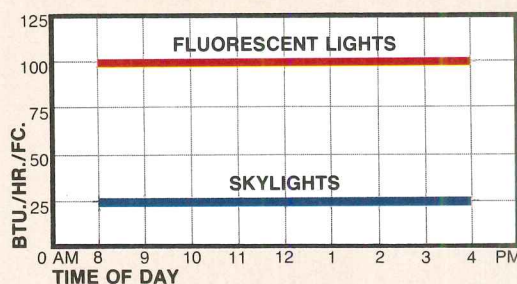




Naturalite Skylights. Bring in energy-saving sunlight by design. Reduce heat-gain through engineering.

In 1956, Naturalite organized a daylight research program, the first in the industry. Its purpose; to determine the interior daylighting characteristics of materials being used in Naturalite skylights. One of the many things we have learned from these studies is that on the average, BTU heat gain per footcandle of light is four times greater from fluorescent fixtures than from skylights!

Today, Naturalite's computerized Daylight Engineering Program can measure all the variables affecting daylighting on a project, and produce data which indicates the ideal skylight illumination application.



Solar heat grain per unit of illumination. This curve shows the comparative heat gain per unit of light. The BTU per Hr. heat gain for each footcandle of light is four times as great from the fluorescent fixtures as compared with the skylights.

Southlake Mall at Merrillville, Indiana, is a beautiful example of how well the program works. After reviewing the research, architect Louis Resnick specified dramatic polygon shaped skylights to be custom built by Naturalite. The result is a lighted environment that is comfortable and beautiful for shoppers and merchants . . .

For more data, circle 56 on inquiry card

as well as the profusion of greenery within the regional mall.

Whatever your project, from schools to manufacturing plants, from warehouses to greenhouses, Naturalite skylights are engineered to reduce energy requirements while enhancing your structure.

Our Architectural and Engineering consultants will be happy to assist you in determining the proper role of energy efficient skylights in the structure you are now planning.

NATURALITE® INC.

P.O. Box 28636
Dallas, Texas 75228
(214) 278-1354

ARCHITECTURAL RECORD REPRINTS

“RECORD IMPRESSIONS” is a convenient way of ordering reprints, reports, and back issues. All are printed on glossy stock and many are printed with color illustrations.

NO. OF
COPIES
WANTED

NO. OF
COPIES
WANTED

\$1, 2, 2.50, AND 5*

RECENT LISTINGS

_____	53	Campus Architecture—22 Pgs. 4 Color	.....	\$2.00
_____	57	Discrimination in Housing Design—22 Pgs. 4 Color	.....	2.00
_____	58	Stores & Shops—16 Pgs. 4 Color	.....	2.00
_____	59	Schools that Nurture an Understanding for the Dimensions of Life—16 Pgs. 4 Color	.....	2.00
_____	60	Vocational Schools—16 Pgs. B & W	.....	2.50
_____	61	Design for Recreation—16 Pgs. 4 Color	.....	2.00
_____	62	Productive Elegance for Industry—16 Pgs. B & W	.....	2.00
_____	64	Airports	.....	2.50
_____	65	Industrial Buildings	.....	2.50
_____	66	Home Towns Come Back	.....	2.50
_____	67	Building for Sport	.....	2.00
_____	68	Bringing in the Business	.....	2.00
_____	69	Forty Years of American Architecture	.....	2.50
_____	70	Housing 1977—16 Pgs. B & W	.....	2.00
_____	71	Design for Leisure—16 Pgs. 4 Color	.....	2.00
_____	72	College Buildings—16 Pgs. B & W	.....	2.00
_____	73	The Case for Design Quality in Today's Marketplace—48 Pgs. 4 Color	.....	3.50
_____	74	Johns-Manville World Headquarters—16 Pgs. 4 Color	.....	2.00
_____	75	Record Interiors of 1978—28 Pgs. 4 Color	.....	3.00

INTERIORS

_____	3	Record Interiors of 1971—20 Pgs. 4 Color	.....	\$2.00
_____	25	Record Interiors of 1972—20 Pgs. 4 Color	.....	1.00
_____	40	Record Interiors of 1973—16 Pgs. 4 Color	.....	2.00
_____	54	Record Interiors of 1975—18 Pgs. 4 Color	.....	2.00

BUILDING TYPE STUDIES

_____	4	Museums '72—16 Pgs. 4 Color	.....	\$1.00
_____	6	Design For Merchandising—16 Pgs. 4 Color	.....	2.00
_____	8	Airports '70—16 Pgs. B & W	.....	2.00
_____	11	Correctional Architecture—16 Pgs. 2 Color	.....	1.00
_____	13	Campus Design—24 Pgs. 2 Color	.....	2.00
_____	15	Health Care—16 Pgs. B & W	.....	2.00
_____	20	Low-Income Housing—16 Pgs. 2 Color	.....	2.00

_____	24	Contemporary Schools—14 Pgs. B & W	.....	1.00
_____	25	Campus Lifestyles—18 Pgs. 4 Color	.....	1.00
_____	28	Suburban Office Buildings—16 Pgs. 4 Color	.....	2.00
_____	34	Industrial Buildings—16 Pgs. 4 Color	.....	2.00
_____	35	Hospital Planning—18 Pgs. 4 Color	.....	2.00
_____	36	Housing—16 Pgs. 4 Color	.....	2.00
_____	37	Resort Hotels—16 Pgs. 4 Color	.....	2.00
_____	41	Development Housing—12 Pgs. 2 Color	.....	2.00
_____	43	Museums For Today—16 Pgs. 4 Color	.....	2.00
_____	44	Corporate Offices—16 Pgs. 4 Color	.....	2.00
_____	45	Stores & Shops '73	.....	2.00
_____	47	Flexible Religious Buildings—16 Pgs. 4 Color	.....	2.00
_____	48	Convention Hotels—16 Pgs. 4 Color	.....	2.00
_____	49	High-Rise Office Buildings—16 Pgs. 4 Color	.....	2.00
_____	50	Airports '73—18 Pgs. B & W	.....	2.00
_____	51	Public Administration Buildings—18 Pgs. B & W	.....	2.00
_____	52	Religious Buildings—16 Pgs. B & W	.....	2.00

SPECIAL REPORTS

_____	5	Clinical Techniques—8 Pgs. 4 Color	.....	\$1.00
_____	19	Audio-Visual Facilities—16 Pgs. 4 Color	.....	2.00
_____	21	Six Interiors—12 Pgs. 4 Color	.....	1.00
_____	23	Energy Conservation—8 Pgs. B & W	.....	1.00
_____	31	Lighting Systems—8 Pgs. 2 Color	.....	1.00
_____	33	Curtain Walls—8 Pgs. B & W	.....	1.00
_____	38	The Young Architects—56 Pgs. 4 Color	.....	2.00

PRACTICAL REFERENCE

_____	9	Air Conditioning: A New Interpretation Updated Reports From 1967, 1969, 1970—64 Pgs. 2 Color Softbound	\$4.95
-------	---	--	-------	---------------

BACK ISSUES

_____	10	Record Houses 1968	.....	\$5.00
_____	18	Record Houses 1971	.....	5.00
_____	39	Record Houses 1972	.....	5.00
_____	46	Record Houses 1973	.....	5.00
_____	63	Product Reports 1975	.....	5.00

*(10% Discount on Orders Over \$20.00)

ARCHITECTURAL RECORD



Mr. C. J. Geiger
c/o Record Impressions
P.O. Box 457
Hightstown, New Jersey 08520

Cost of Order	\$ _____
*10% Discount on Orders over \$20.00	\$ _____
International Shipments Add \$1.00 for postage & handling	\$ _____
Sales Tax	\$ _____
Total Enclosed	\$ _____

Check Money order

Name _____
Please Print

Firm Name _____

Address _____

City _____ State _____ Zip _____

SEND DESCRIPTIVE CATALOG

Domestic orders allow 2 to 3 weeks for delivery.
International Shipments are mailed via Sea-Mail; allow 2 to 3 months for delivery.

PRE-PAID ORDERS ONLY

ADVERTISING INDEX

A

Alcan Aluminum Corp. 47

American Olean Tile
Company 48

Andersen Corp. 44-45

Architectural Record 153

Architectural Record Books
16, 40, 141, 148, 149

ARCO/Polymers Inc. 147

Armstrong Cork Co. Cov II

B

BASF Wyandotte Corporation 22

Boise Cascade Wood Products ... 28-29

Bruning Division-Addressograph
Multigraph Corporation 18

C

Cabot, Inc., Samuel 137

California Redwood Association
15, 156

Caradco Division of Scovill Mfg. Co.
36-37

Chevron Asphalt Co. 10

Clopay Corp. 39

D

Delta Faucet Company 31

Diazit Co. Inc. 145

Dryvit Systems 155

E

Elkay Mfg. Company 8

G

Georgia-Pacific Corporation 142

H

Heatilator Fireplace 26

Honeywell Inc. 34

I

Inland-Ryerson 24-25

International Paper Co., Cabinet
Division 41

J

Jacuzzi Whirlpool Bath Inc. 17

K

Koch & Lowy 38

Kohler Company 12-13

L

Lennox Industries Inc. 146

Levolor Lorentzen Inc. 7

M

Marvin Windows 9

Masonite Corp. 4-5, 150-151

McQuay Division 46

Monier Co. 32

Montgomery Elevator Co. Cov III

N

Naturalite, Inc. 152

O

Olympic Stain Company Cov IV

P

Pella Rolscreen Co. 20-21

Pennwalt Chemicals Corp. ... 127 to 130

Pinecrest, Inc. 138

Potlatch Corp. 23

Powers Regulator Co. 33

PPG Industries Inc. Gen. Ind. Finishes
30

PPG Industries Inc. 132-133

R

Raynor Mfg. Co. 11

S

Schlage Lock Co. 19

Sico Inc. 43

Simpson Timber Co. 42

Standard Dry Wall Products 35

Stendig International Inc. 3

Structures Unlimited 131

Sub-Zero Freezer Co., Inc. 14

T

Thiokol Corp. 6

V

Velux-America 136

Ventarama 143

W

Western Wood Products Assn. 27

Wheeling Corrugating Co. 134-135

Whitacre-Greer 144

White Westinghouse Appliance Co.
139-140

Wiedemann Industries, Inc. 145

ARCHITECTURAL RECORD

McGraw-Hill, Inc., 1221 Avenue of the Americas, New York New York 10020
 Advertising Sales Mgr.: Robert G. Kliesch (212) 997-2838
 Business Mgr.: Joseph R. Wunk (212) 997-2793
 Research Mgr.: Camille Padula (212) 997-2814
 Classified Advertising: (212) 997-2557

District Offices:

Atlanta 30309
 J.L. Moran, 100 Colony Square, (404) 892-2868

Chicago 60611
 James A. Anderson, Robert T. Franden, Edward R. Novak,
 645 N. Michigan Ave. (312) 751-3770

Cleveland 44113
 Edward C. Weil, III, 55 Public Square, (216) 781-7000

Denver 80203
 David M. Watson, 123 Speer Blvd., #400 (303) 837-1010

Detroit 48202
 John W. Maisel, 1400 Fisher Bldg., (313) 873-7410

Houston 77002
 Lockwood Seegar, 375 Dresser Tower, 601 Jefferson St. (713) 659-8381

Los Angeles 90010
 Donald O. Hanson, 3200 Wilshire Blvd.-South Tower (213) 487-1160

Philadelphia 19102
 Blair McClenachan, Three Parkway (215) 568-6161

Pittsburgh 15222
 Edward C. Weil, III, 2 Gateway Center, (412) 391-1314

San Francisco 94111
 Richard R. Butera, 425 Battery Street (415) 362-4600

Stamford 06901
 Louis F. Kutscher, 300 Broad St., (203) 359-2860

Saving fuel and electricity is only one reason to use Dryvit Wall System.

These buildings prove Dryvit saves energy.

The fact that Dryvit exterior wall system helps reduce fuel and electricity bills can be documented . . . with pre and post measurements taken in apartments, office buildings, schools, hotels, and hospitals.

It's reassuring to know Dryvit System will keep on working, year after year, to reduce the spiraling cost of energy.

Dryvit is also lower in cost...to buy...to erect.

Don't step down to meet your budget. Step-up to a better quality, better looking exterior that you CAN afford.

Significant savings can be realized in the purchase and subsequent erection of the Dryvit Wall System, since it is less expensive than conventional wall construction. Dryvit's lighter weight permits construction of thinner walls, thereby increasing usable floor space.

Good looking with massive insulation.

Whether it's a 42-story condominium or a one-story school, a shopping center or a religious institution — Dryvit gives you that look of elegance. You choose from many permanent integral colors. You are assured that Dryvit is inherently crack resistant, and you can tell the owner that this wall system is maintenance free.

Make Us Prove It!

Write For Our Energy Case Histories.

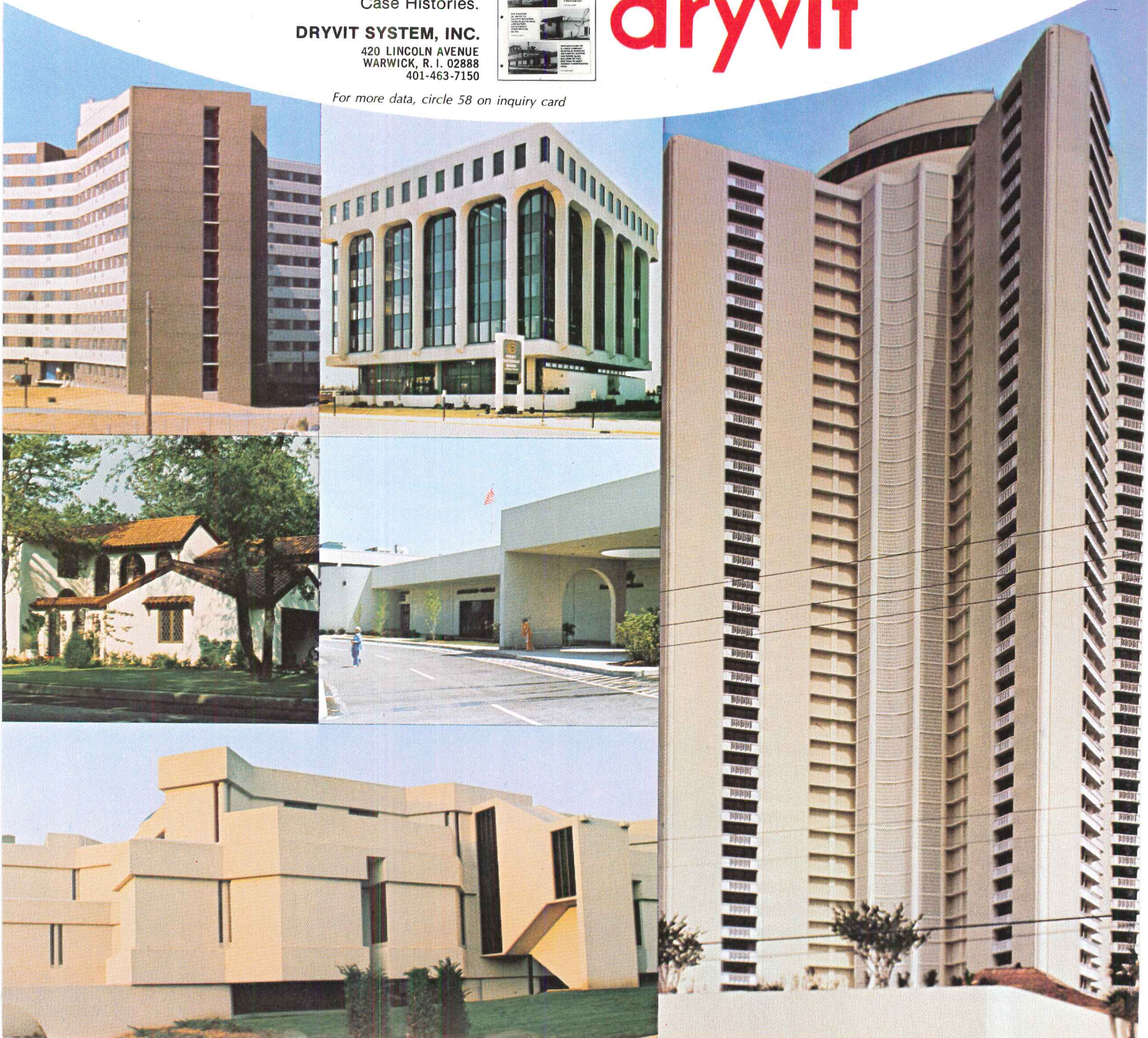
DRYVIT SYSTEM, INC.

420 LINCOLN AVENUE
WARWICK, R. I. 02888
401-463-7150



dryvit®

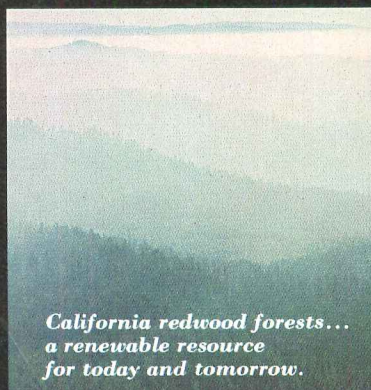
For more data, circle 58 on inquiry card



Redwood.

Here today. Here tomorrow.

Chesapeake Bay residence of James N. Cargill.
Architect: Carlton Sturges Abbott, A. I. A.



*California redwood forests...
a renewable resource
for today and tomorrow.*



**CALIFORNIA
REDWOOD
ASSOCIATION** 617 Montgomery Street, San Francisco, California 94111.
For more data, circle 59 on inquiry card

No other interior provides the natural richness of redwood. And California's luxury lumber is as practical as it is beautiful.

Redwood takes and holds a wide variety of finishes, requires little care. It provides excellent insulation, keeps heating and air-conditioning costs low. And redwood is not only unsurpassed in durability, but fire-resistant as well.

Redwood. Specify it for beautiful interiors — that work.

Write Dept. A for free booklet
"Redwood Interiors."

