

BUILDING TYPES STUDY:

RECORD HOUSES OF 1976

PLUS APARTMENTS OF THE YEAR

TWENTY EXCEPTIONAL HOUSES AND SIX MULTI-FAMILY PROJECTS
SELECTED FOR THE 1976 AWARDS OF EXCELLENCE FOR DESIGN

ARCHITECTURAL RECORD

"Tredway's installed cost is very close to vinyl-asbestos tile. And we haven't had a single callback on any Armstrong Tredway™ floor."



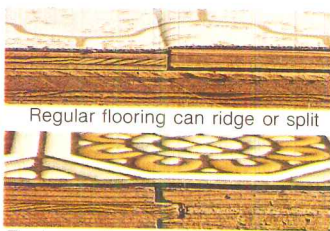
An interview with Rochester builder, Art Titus of Ryan Homes



How does the cost of Tredway compare to vinyl-asbestos tile?

"With vinyl-asbestos tile, you need a two-layer subfloor. But with Tredway, you don't use any underlayment. Because of its built-in elasticity, you can install it directly over a T & G plywood subfloor and eliminate the plywood underlayment. So Tredway becomes totally competitive in cost to the combination of underlayment and tile."

"In fact, because we've eliminated the underlayment, Tredway costs us considerably less than any other cushioned vinyl material."



Regular flooring can ridge or split

Tredway adjusts to subfloor changes

Does Tredway live up to your expectations?

"Definitely. We liked the flexibility, the convenience, and the speedy installation. The fact that Tredway didn't show ridging or buckling certainly was something we were all happy about. Tredway's elasticity eliminates these problems because it expands and contracts to meet subfloor shifts."

What about callbacks?

"So far, we haven't had a single complaint. What we're looking for is satisfied customers. When a product gives you that, the way Tredway has, you know it's doing the job for you."

Has Tredway affected your schedule?

"Very much so. We've been able to schedule Tredway's installation toward the end of the job. So we don't suffer the wear and tear, the damage we run into with vinyl-asbestos tile. And scheduling the floor installation after all the kitchen guys are done sure makes the new homeowner happier."

How about repairs?

"So far, we haven't had to make any. But we think it's

great to have a product where you don't have to rip up the whole works and reprepare the subfloor the way you have to do with vinyl-asbestos tile."

What have been your customers' reactions to Tredway?

"Our customers were quick to realize the advantages of a Tredway floor. They've lived through tile floors. They know the problems you can have with them. They also like the idea of a cushioned vinyl material that's tough, highly scuff-resistant and offers cleaning advantages over vinyl-asbestos tile. They've seen the TV commercials, the ads. They know the better things, like a Tredway floor, that are available on the market. Tredway is a very salable item, and we've had excellent results with the product."

Thanks, Art. We couldn't have said it any better.

You didn't mention that Tredway is also the only floor Armstrong recommends over particleboard, so we will. What about you? Why not give Tredway a try. You can select from four knockout Tredway patterns, in colors designed for today's interiors.



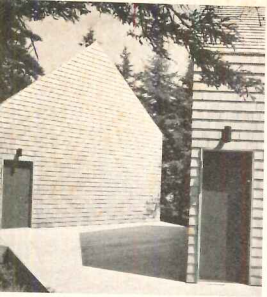
Tredway from Armstrong. Compared to tile installed over wood subfloors, you get far more floor for your flooring dollar.

Call your Armstrong flooring contractor today, while your next house is going up, and get all the facts about Tredway. Or drop a note to: Armstrong, 305 Rock St., Lancaster, Pa. 17604

FROM THE  INDOOR WORLD® OF

Armstrong

For more data, circle 1 on inquiry card



Private residence, Mt. Desert Island, Maine
 Photographer: David Franzen

RECORD REPORTS

- Preface
 by Barclay F. Gordon

ARCHITECTURAL BUSINESS

- Photographers of Record Houses
- Entry procedure for Record Houses 1977

ARCHITECTURAL ENGINEERING

- New products for the house
- New literature for house planning
- Record Houses Reader Service
 Inquiry Card
- Index to advertising

Particular assistance to the Editor in the preparation of
 this issue were:

- Barclay F. Gordon, editor-in-charge
- Charles E. Hamlin, associate editor
- James K. Hoyt, associate editor
- William Marlin, associate editor
- John Nairn, assistant editor
- John K. Netburn, production editor
- Robert Gonzalez, assistant to the editors
- John Van Hise, assistant to the editors

- John White, art direction
- John Cuttrell, illustration
- Maria Egger, art production

BUILDING TYPES STUDY 489 RECORD HOUSES® OF 1976

- 50 **Lowenstein house**, Morristown, New Jersey
 Architects: Chimacoff/Peterson
- 54 **Wierdsma house**, Nantucket, Massachusetts
 Architect: Louis Mackall
- 58 **Mountain cabin**, Perry Park, Colorado
 Architects: Arley Rinehart Associates
- 60 **Private residence**, Long Island, New York
 Architect: Alfredo De Vido
- 64 **Private residence**, Northern Massachusetts
 Architects: Melvin Smith/Noel Yauch
- 68 **Private residence**, New York State
 Architect: Paul Rudolph
- 72 **Private residence**, Mt. Desert Island, Maine
 Architect: Edward Larrabee Barnes
- 74 **Bohlin house**, West Cornwall, Connecticut
 Architects: Bohlin and Powell
- 78 **Private residence**, Southern Vermont
 Architect: Hobart Betts
- 80 **Private residence**, Northern Ohio
 Architects: Don Hisaka & Associates
- 82 **Private residence**, Frederick, Maryland
 Architect: Hugh Newell Jacobsen
- 86 **Barr residence**, Hinsdale, Illinois
 Architects: Booth & Nagle



Philip Turner

- 88 **Private residence**, Belvedere, California
 Architects: Callister, Payne & Bischoff
- 92 **Coville house**, Lakeport, Michigan
 Architects: William Kessler and Associates
- 96 **Kindorf house**, Plumas County, California
 Architect: Robert Kindorf
- 98 **Gold house**, Weston, Connecticut
 Architect: Leonard P. Perfido
- 102 **Private residence**, Central Connecticut
 Architect: John Johansen
- 106 **Private residence**, Central Florida
 Architect: William Morgan
- 108 **Private residence**, St. Helena, California
 Architect: Kirby Ward Fitzpatrick
- 110 **Woerner house**, Guilford, Connecticut
 Architect: Peter Kurt Woerner

FEATURES: APARTMENTS OF THE YEAR

- 114 **Newberry Estate**, Dallas, Pennsylvania
 Architects: Bohlin and Powell



Sandy Nixon

- 116 **Northstar Village**, Placer County, California
 Architects: Bull Field Volkman Stockwell
- 118 **Hilarita**, Tiburon, California
 Architects: Kaplan/McLaughlin
- 120 **Brick Market Place**, Newport, Rhode Island
 Architects: Glaser/de Castro/Vitols
- 122 **The Village Ravines**,
 Franklin Village, Michigan
 Architects: Sigmund Blum, Vaporciyan & Mitch
- 124 **The Islands**, Forest City, California
 Architects: Fisher-Friedman Associates

EDITOR

WALTER F. WAGNER, JR., AIA

MANAGING EDITOR

HERBERT L. SMITH, JR., AIA

SENIOR EDITORS

ROBERT E. FISCHER
MILDRED F. SCHMERTZ, AIA

ASSOCIATE EDITORS

GERALD ALLEN
GRACE M. ANDERSON
BARCLAY F. GORDON
CHARLES E. HAMLIN
CHARLES K. HOYT, AIA
WILLIAM MARLIN

ASSISTANT EDITOR

JANET NAIRN

PRODUCTION EDITOR

ANNETTE K. NETBURN

DESIGN

ALEX H. STILLANO, Director
ALBERTO BUCCHIANERI, Associate
ANNA-MARIA EGGER, Assistant
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

LOUIS F. KUTSCHER

CIRCULATION MANAGER

HUGH S. DONLAN

PUBLISHER

BLAKE HUGHES

PHOTOGRAPHERS OF RECORD HOUSES OF 1976

Thom Abel, 7035 Ashlawn Drive, Brecksville, Ohio (80)
Jim Ball, 1100 Post Avenue, Seattle, Washington (108)
Creative Photographic Service, 211 West 11th, Jacksonville, Florida (106)
George Cserna, 148 West 57th Street, New York, New York (78)
David Franzen, Route 100, Somers, New York (72)
Joshua Freiwald, 3627 21st Street, San Francisco, California (118, 124)
Y. Futigawa, 3-12-14 Sendagaya, Shibuya-ku, Tokyo, Japan (68)
Jeffrey Heller, 226 Eureka Street, San Francisco, California (118)
David Hirsch, 506 First Street, Brooklyn, New York (64)
Balthazar Korab, P.O. Box 895, Troy, Michigan (92, 122)
Robert Lautman, 3558 Albemarle Street, N.W., Washington, D.C. (82)
Tom Lippert, Box 2323, Olympic Valley, California (116)
Maris/Semel, 8 West 95th Street, New York, New York (98)
Norman McGrath, 164 West 79th Street, New York, New York (50, 102)
Joseph Molitor, P.O. Box 549, Ossining, New York (74)
Philip Molten, 2350 Paradise Drive, Tiburon, California (88, 97)
Sandy Nixon, 109 Maine Avenue, Clarks Summit, Pennsylvania (114)
Robert Perron, 104 East 40th Street, New York, New York (54, 110)
Steve Rosenthal, 56 Boyd Street, Newton, Massachusetts (120)
Ernest Silva, 104 East 25th Street, New York, New York (60)
Richard Springgate, 480 South Marion Parkway, Denver, Colorado (58)
Philip Turner, 4800 Chicago Beach Drive, Chicago, Illinois (86)

ENTRY PROCEDURE: Any architect registered in the United States is invited to submit material for consideration in RECORD HOUSES AND APARTMENTS OF 1977. 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 8½ 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, 1976.

ARCHITECTURAL RECORD (Combined with AMERICAN ARCHITECT, ARCHITECTURE and WESTERN ARCHITECT AND ENGINEER) Mid-May 1976, vol. 159, No. 6. Title ® reg. in U. S. Patent Office copyright © 1976 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 will not be responsible for loss or damage.

EXECUTIVE, EDITORIAL, CIRCULATION AND ADVERTISING OFFICES: 1221 Avenue of the Americas, New York, N. Y. 10020. Other Editorial Offices: 425 Battery Street, San Francisco, California 94111. PUBLICATION OFFICE: 1221 Avenue of the Americas, New York, New York 10001 and at additional mailing offices.

OFFICERS OF McGRAW-HILL PUBLICATIONS COMPANY: Gordon L. Jones, president; Paul F. McPherson, executive vice president; J. Elton Tuohig, executive vice president-administration; Gene W. Simpson, group vice president; senior vice presidents: Ralph Blackburn, circulation; John B. Hoglund, controller; Ralph R. Schulz, editorial; David G. Jensen, manufacturing; vice presidents: James E. Boddorf, planning and development; Edward E. Schirmer, marketing administration.

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

SUBSCRIPTIONS: Subscriptions solicited only from architects, engineers. Position, firm connection, and type of firm must be included 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, Box 430, Hightstown, N.J. 08520. Provide old and new address, code or postal zone number. If possible, attach issue address label. Annual subscription prices: U.S., U.S. possessions: \$15.00 for architects, engineers and other individuals in the fields served; \$24.00. Canada: \$17 for architects, engineers and other individuals in the fields served; others \$26.00. Other countries: \$30.00 for architects, engineers; others: \$38.00. Single copies \$5.00.

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

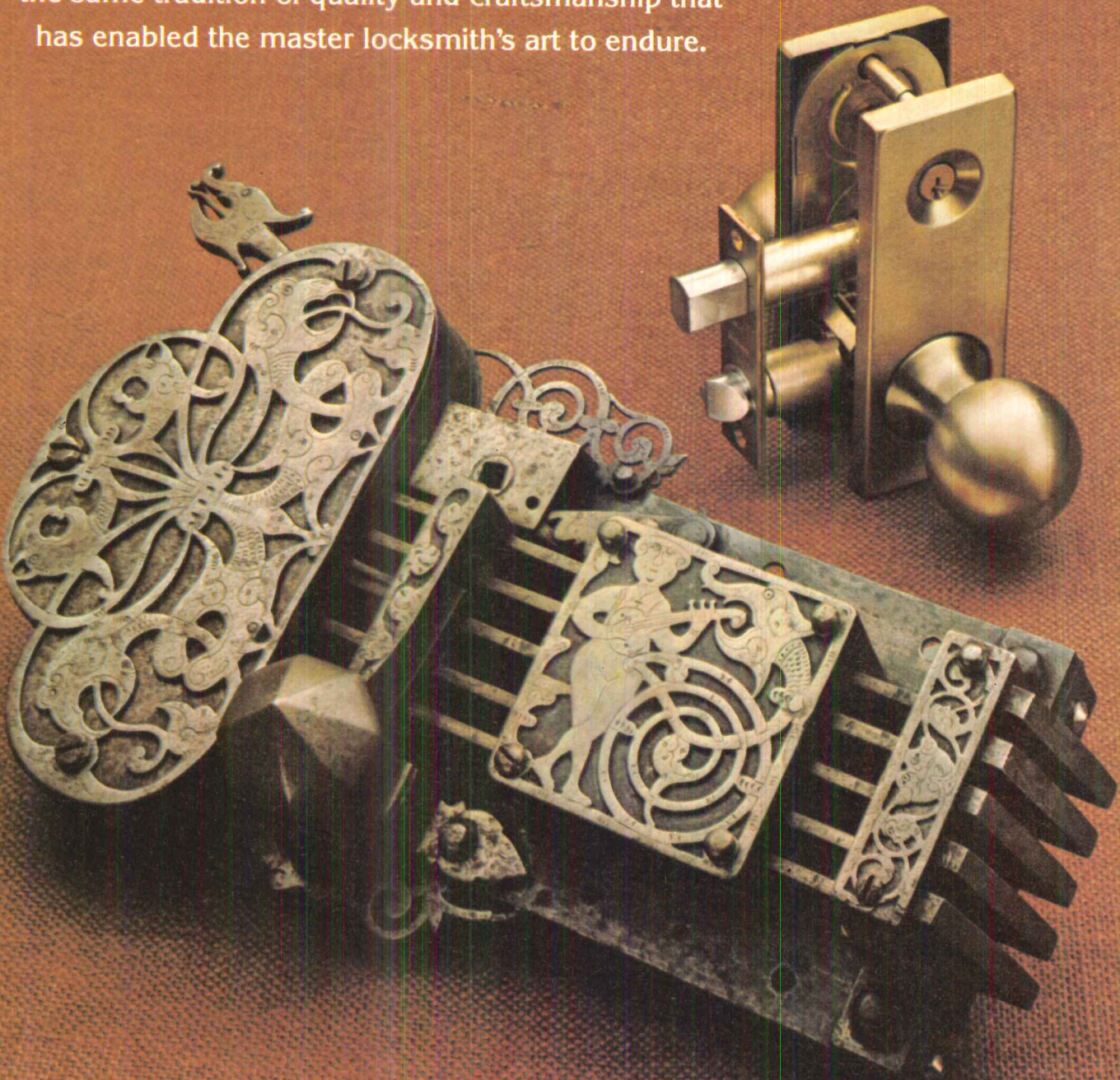
ASSOCIATED SERVICES/McGraw-Hill Information System: Sweet's Catalog Files (Architectural, Light Construction, International, Industrial Construction, Plant Engineering, Canadian Construction), Dodge Building Cost Services, Dodge Reports and Dodge/SCAN Microfilm Systems, Dodge Management Control Service, Dodge Construction Statistics, Dodge regional construction papers (Chicago, Denver, Los Angeles, San Francisco).



Quality Endures

In 1600 it took a German craftsman more than a year to create this unique five-bolt castle lock.*

Schlage's Double Security "G" Lock is built in the same tradition of quality and craftsmanship that has enabled the master locksmith's art to endure.



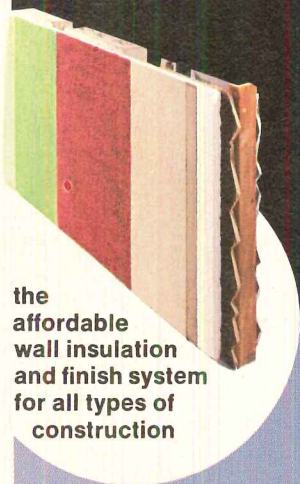
SCHLAGE

The World's Most Respected Name in Locks!

*Courtesy of the Schlage Antique Lock Collection.
A limited number of color posters suitable for framing are available on request.

For more data, circle 2 on inquiry card

good looking with massive insulation!



the affordable wall insulation and finish system for all types of construction

When it's your challenge to come up with a design that's distinctive, different . . . within a budget . . . consider *dryvit*. It's the remarkable exterior wall insulation and finish system that lets you create expensive looking effects while providing the exceptional insulation values you require.

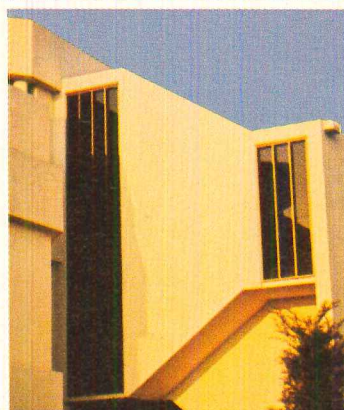
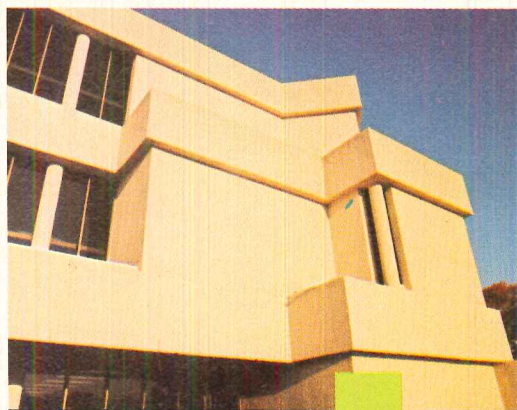
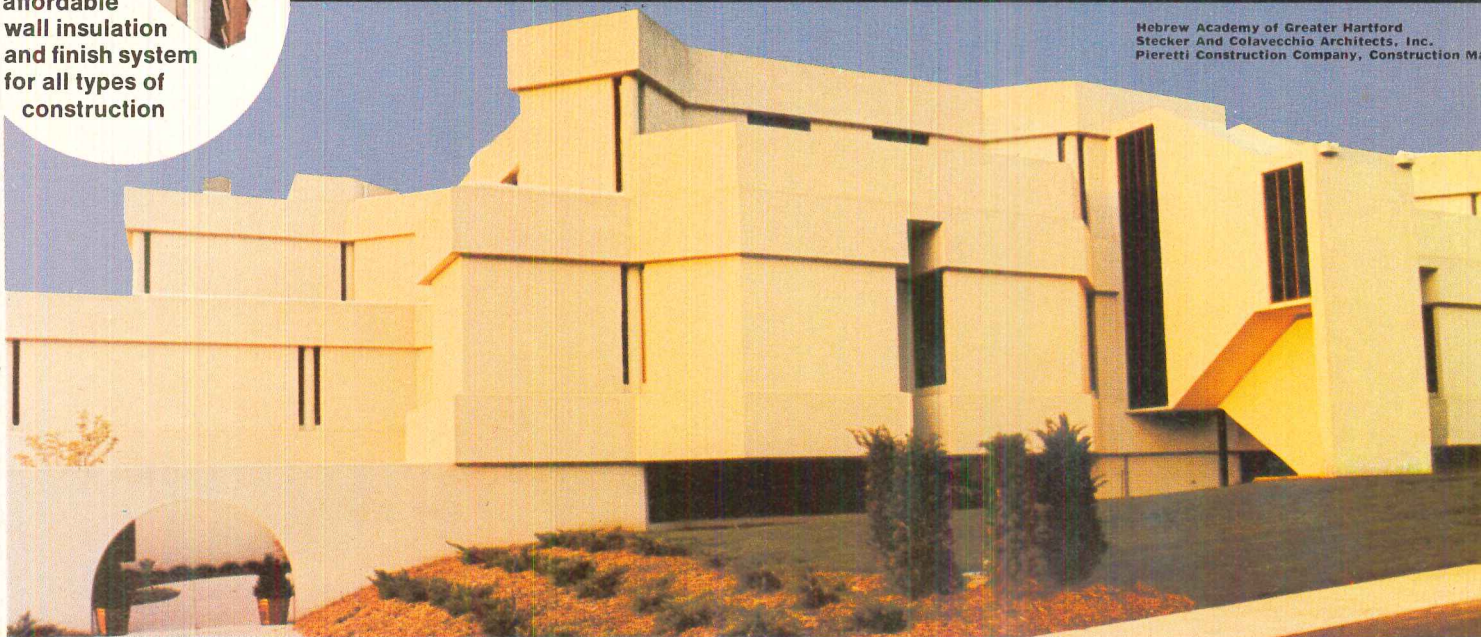
If total building responsibility is yours, you'll also be interested in *dryvit*'s other features.

Permanent integral colors. Crack resistance. Minimal maintenance. Simple application. Space saving. Lower initial investment in heating/cooling plant. Energy economizing.

It costs less installed than any other maintenance-free exterior system.

DRYVIT SYSTEM, INC.
420 Lincoln Ave., Warwick, Rhode Island 02888

Hebrew Academy of Greater Hartford
Stecker And Colavecchio Architects, Inc.
Pieretti Construction Company, Construction M



dryvit®

permanent exterior wall system does it better!

For more data, circle 3 on inquiry card



**ceramic
mosaics:
conversation
pieces from
American Olean.**

Give people something to talk about. Like a room tiled with American Olean ceramic mosaics. One of the most versatile design materials around. There's no end to the patterns you can create. Nor the rooms you can create them in. And ceramic mosaics are so practical. They're easy to clean. And because they're stainproof, dentproof and colorfast, they last a lifetime. Ceramic mosaics come in over 40 colors—seven of them brand new—including new Seal and Bone (shown in 2" x 2"). And four shapes—including new 2" hexagon (shown).

For floors, walls, or special areas, American Olean ceramic mosaics are the natural thing to use.™ Visit your nearest American Olean Color Center or ask your tile contractor today. And for a colorful decorating ideas brochure, send just 25¢, your name and address to: American Olean Tile Company, 2304 Cannon Avenue, Lansdale, Pa. 19446.

**American
Olean**
A Division of National Gypsum Company

Something beautiful has been added to enameled steel tubs.



Our name.

Now American-Standard is a major manufacturer of enameled steel bathtubs. With our new 500,000 square-foot plant, we're in the business big... because you are.

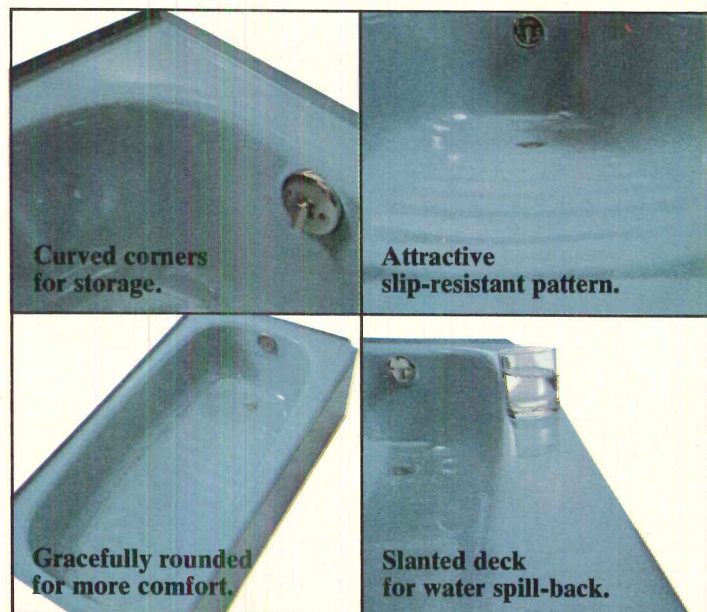
Now you don't have to settle for less. You can install a complete American-Standard bath. Mix and match quality products of every material.

By adding our enameled steel line, we help you fit any size budget, any size home. Enameled steel, fiberglass, cast iron. Name it, and we make it. Better.

That's why we're a household name.



Where quality is a beautiful thing.



For more data, circle 5 on inquiry card

The Winners: 1976 Plywood Design Awards

John D. Bloodgood

William Turnbull, Jr., Chairman

Remmert W. Huygens



1976 Plywood Design Awards

Residential/Single Family

CITATION: Daniel Solomon, AIA. LOCATION: Berkeley, California. JURY: "This is a very competent, straightforward residential project. It uses a builder's technique to provide a low-cost solution on a difficult site. The plywood detailing is crisp and well-executed."

Citation



JURY: William Turnbull, Jr., Chairman, AIA, San Francisco, California; John D. Bloodgood, AIA, Des Moines, Iowa; Remmert W. Huygens, AIA, Boston, Massachusetts.

Residential/Multifamily

CITATION: Donald Sandy, Jr., AIA, and James A. Babcock, Architects and Planners. LOCATION: Sacramento, California. JURY: "Through the use of architectural form, Sunrise attempts to create a sense of place on a relatively characterless site."

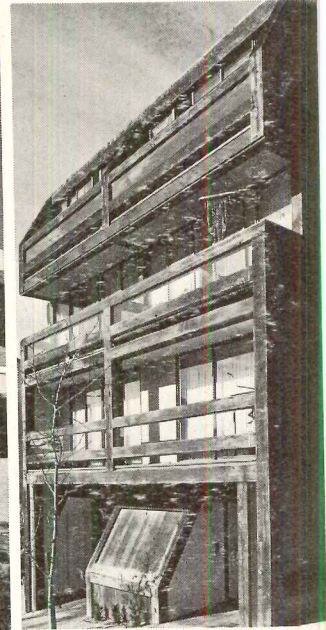
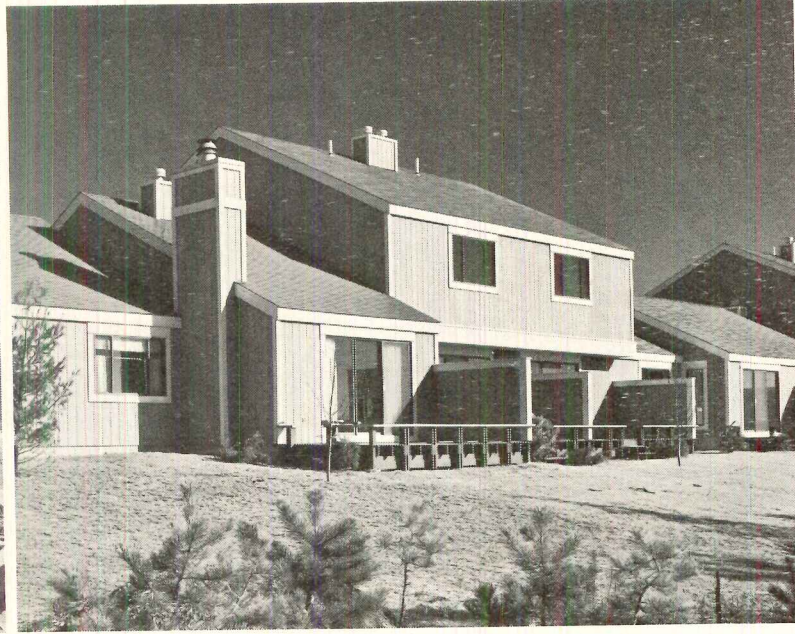
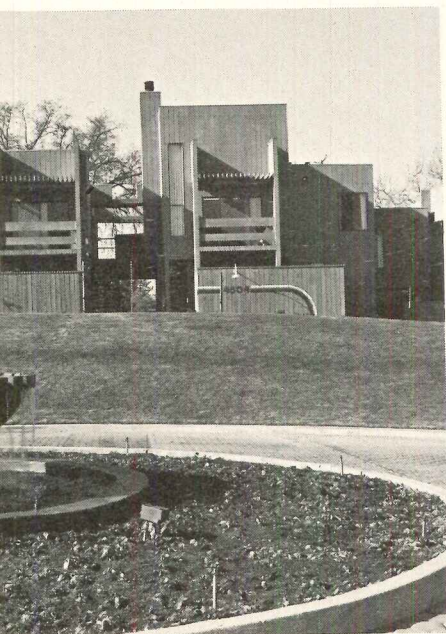
CITATION: Childs Bertman Tseckares Associates, Incorporated. LOCATION: Mashpee, Massachusetts (Cape Cod). JURY: "Competently but conventionally done. Reflects nicely handled massing and offers a pleasant place to live."

CITATION: Donald MacDonald, AIA, and Robert Dahlstrom, AIA. LOCATION: San Francisco, California. JURY: "A multi-family urban building done in the San Francisco idiom. It relates in scale to its older neighbors."

Citation

Citation

Citation



Commercial/Institutional

FIRST AWARD: Charles Herbert & Associates, Incorporated. PROJECT: Home State Bank Drive-up office, Jefferson, Iowa. JURY: "Clarity of concept precludes the necessity of identifying graphics. The building is a sign."

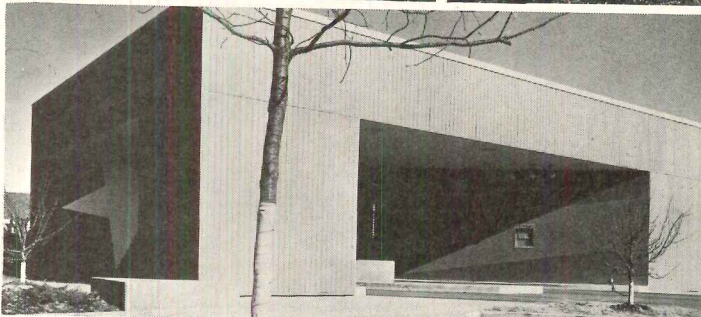
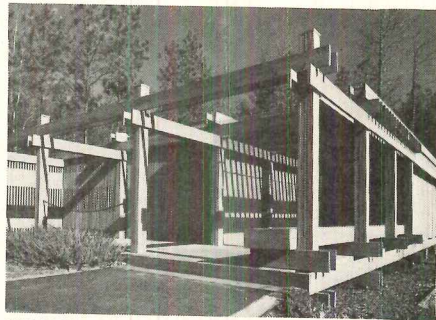
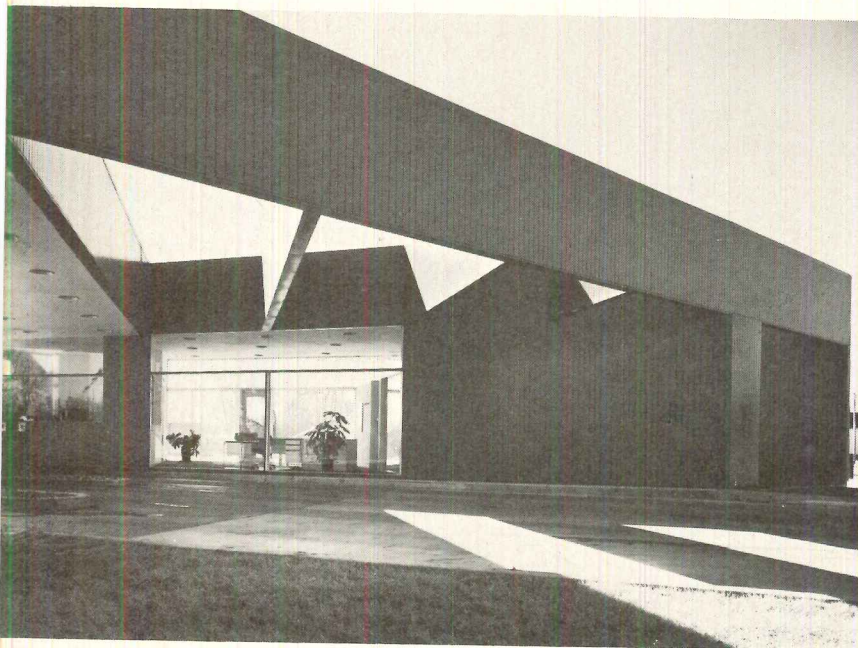
CITATION: Carlton S. Abbott, AIA, Abbott Assoc. PROJECT: Temporary Sales Center, Williamsburg, Virginia. JURY: "An integration of fabricated simplicity and the craftsmanship of field construction."

CITATION: Rolly Pulaski & Associates. PROJECT: Moulton Niguel Water District office, Laguna Niguel, California. JURY: "Elegant use of plywood. Nice four-sided quality. Inviting residential character."

CITATION: Charles Herbert & Associates, Inc. PROJECT: American Federal Savings and Loan Association, S.W. 9th St. office, Des Moines, Iowa. JURY: "Talented rehabilitation of existing structure. Shows potential of plywood in other than a foursquare manner."

First Award

Citations



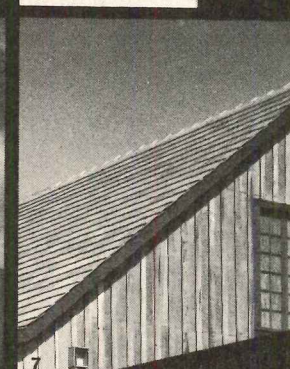
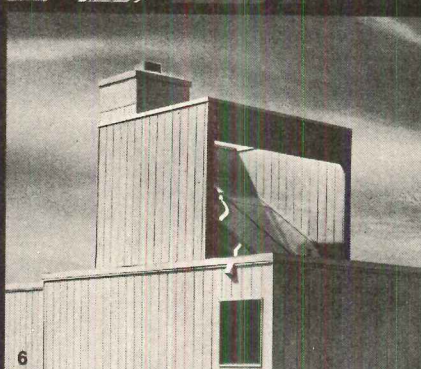
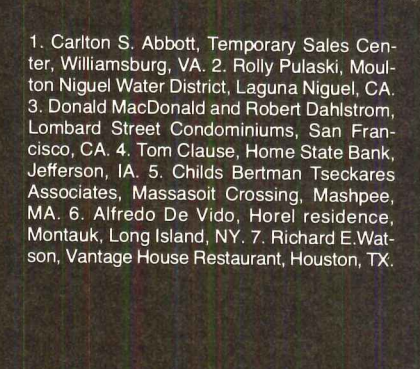
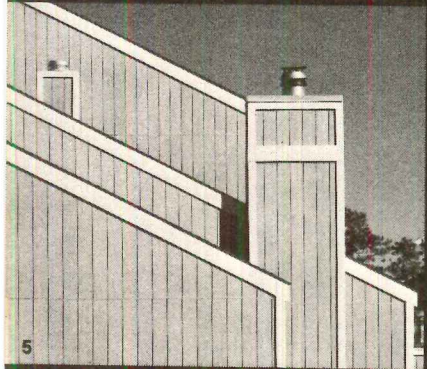
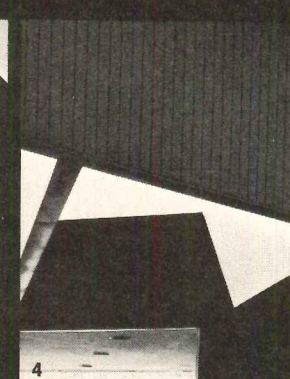
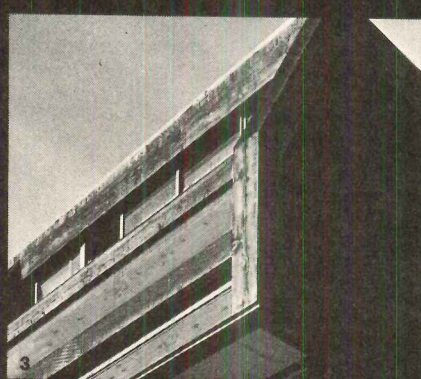
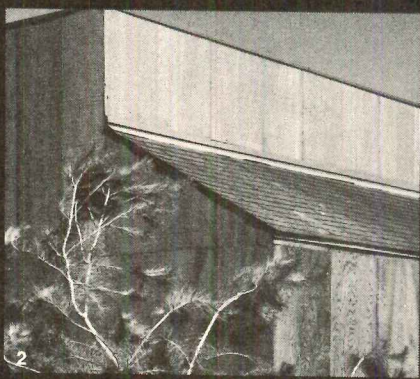
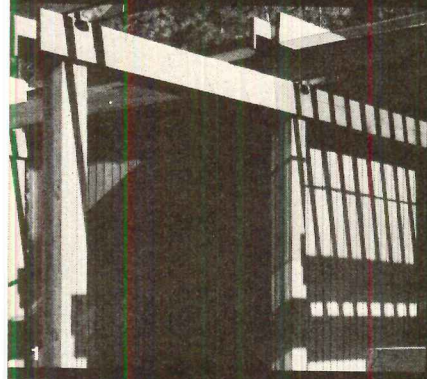
Vacation Homes

CITATION: Kirby Ward Fitzpatrick, AIA. LOCATION: Saint Helena, California. JURY: "Handsome vacation pavilion respectful to its site. The architect used plywood in a traditional manner with the exception of the roof where he turns a plywood structural solution into a visual complement to the other materials."

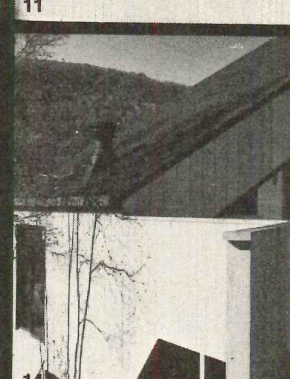
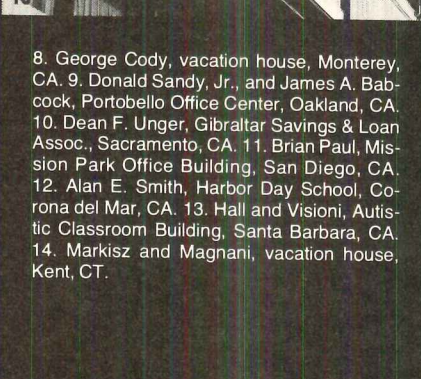
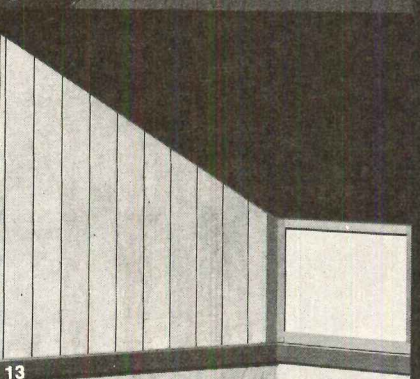
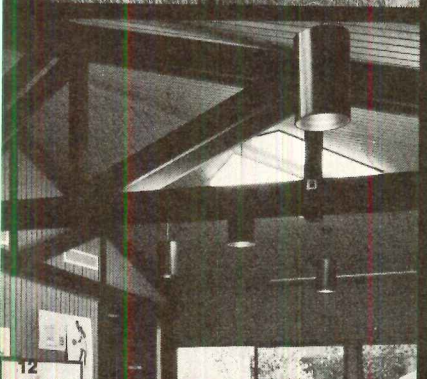
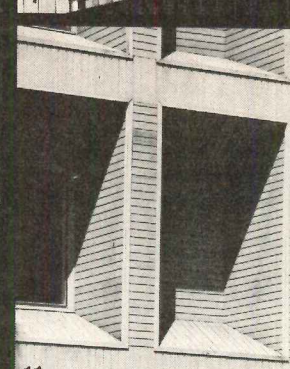
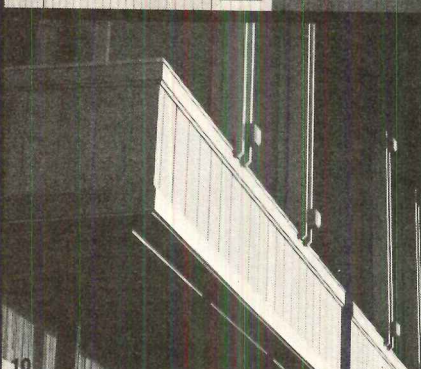
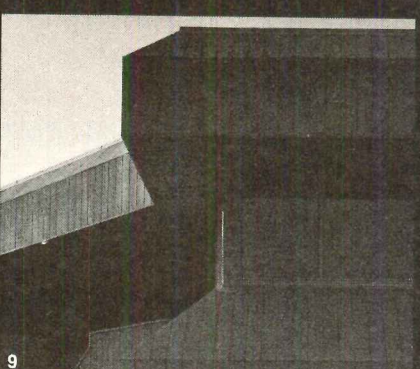
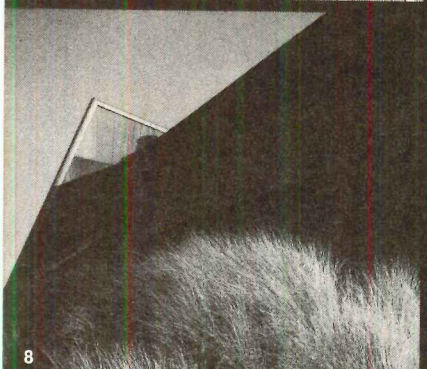
Citation



More ideas:

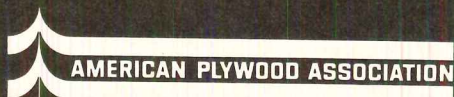


1. Carlton S. Abbott, Temporary Sales Center, Williamsburg, VA. 2. Rolly Pulaski, Moulton Niguel Water District, Laguna Niguel, CA. 3. Donald MacDonald and Robert Dahlstrom, Lombard Street Condominiums, San Francisco, CA. 4. Tom Clause, Home State Bank, Jefferson, IA. 5. Childs Bertman Tseckares Associates, Massasoit Crossing, Mashpee, MA. 6. Alfredo De Vido, Hotel residence, Montauk, Long Island, NY. 7. Richard E. Watson, Vantage House Restaurant, Houston, TX.



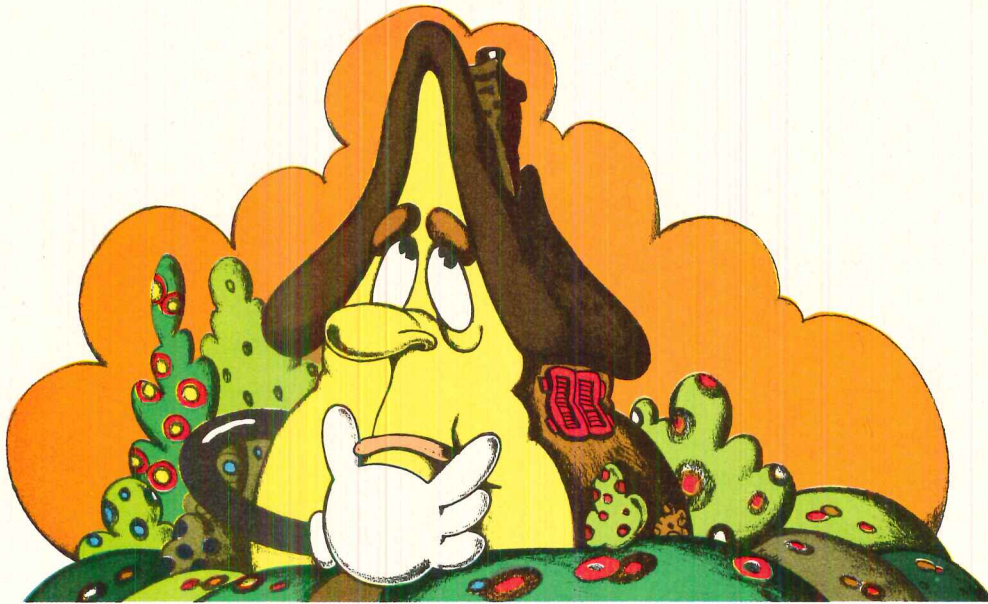
8. George Cody, vacation house, Monterey, CA. 9. Donald Sandy, Jr., and James A. Babcock, Portobello Office Center, Oakland, CA. 10. Dean F. Unger, Gibraltar Savings & Loan Assoc., Sacramento, CA. 11. Brian Paul, Mission Park Office Building, San Diego, CA. 12. Alan E. Smith, Harbor Day School, Corona del Mar, CA. 13. Hall and Visioni, Autistic Classroom Building, Santa Barbara, CA. 14. Markisz and Magnani, vacation house, Kent, CT.

"There have been so many changes in wood. Our brain makes more and more new things out of it."—Walter Gropius.
If you have any questions about plywood or plywood systems, please write American Plywood Association, Dept. AR-056, Tacoma, Washington 98401.



For more data, circle 6 on inquiry card

"If My Builder Installed The Clean Air Machine, More People Would Want To Buy Me."



Help Your Home Sell Itself. With A Honeywell Electronic Air Cleaner

Sadness is an unsold home. It's sad that you're paying interest on construction money while a finished house stands... empty. Sad because lot taxes accrue while the house needs heat, maintenance.

But think happy; there's a super-simple way Honeywell helps homes sell themselves. Just offer the Honeywell Electronic Air Cleaner as a standard appliance—like the dishwasher and air conditioning.

Homebuilders, real estate agents and architects have discovered the Clean Air Machine gives homes a promotable, tangible, competitive difference in modern deluxe and mid-price houses. Why? Because your prospects are looking for better living quality.

More than ever, today's homeowners want—and intend—to spend less time and money keeping their homes bright, fresh... less time and money protecting the family's single biggest investment.

So it's natural enough for prospective buyers to get a little excited when they learn about the Honeywell Clean Air Machine that comes with the house... excited when they discover it removes up to 95 percent of all dust, smoke and grime passing through it. So the home environment has less airborne dirt. And walls, drapes and furnishings stay cleaner, longer.

Another thing. The Clean Air Machine features an easy-to-handle, lightweight Super Cell that fits right in the dishwasher. So it's fast and easy for users to drain away months of pollution. That's more of the maintenance-free living today's homeowners demand.

The Honeywell name is a sales builder, too. Since 1885, it's been a part of American life. Helping keep homes safe and comfortable with reliable wall thermostats. Dependable furnace controls. Season after season, year after year. And generation after generation. So it's easy to see why your customers have confidence in the Honeywell name.

Which all boils down to this; as a standard appliance, the Honeywell Clean Air Machine gives your homes a very healthy sales and profit boost.

(And—for what it's worth—the Honeywell Electronic Air Cleaner doesn't cost very much, compared to the cost of construction money you're paying for unsold homes.)

So make a home happy. Call your local Honeywell office today. Or write Honeywell, Honeywell Plaza, Minneapolis, Minnesota 55408.

For more data, circle 7 on inquiry card



Now you can give people more than they expect when you specify Moen.

Present a place to prune, repot and more. Cash in on the gardening boom. The Lancelot Model L 2421 sink makes an instant gardening center in utility room, garage or mud room. Large and swivel spray makes working with plants a breeze.



Create an entertainment center.

Sure to please host or hostess. The Lancelot Model L 2511 sink is great in family room, rec room, Florida room, sunporch. Use removable wells for ice, bottles, trimmings.



Make the cook's job easier.
From gourmet to water-boiler—all appreciate being able to do any jobs at once. Swivel-spray salad greens in one sink; sauté and drain the spaghetti in the other; put the pot to soak in the third. The Lancelot Model 521 sink.



Provide for a health spa in the bathroom.

Everybody's health conscious today. Offer a Pulsation massaging shower instead of an ordinary hand shower—and you'll be adding luxury at modest cost.



Let Moen products help improve the quality of your homes. Use them where people expect them (like kitchen and bath) to add a touch of quality. And use them for new ideas like these so your clients can enjoy life more. But always, always, you'll get the same famous Moen quality, from the people who first gave you the single-handle faucet. See your Moen man today for other ideas. Or contact Moen, a Division of Stanadyne, Elyria, Ohio 44035.

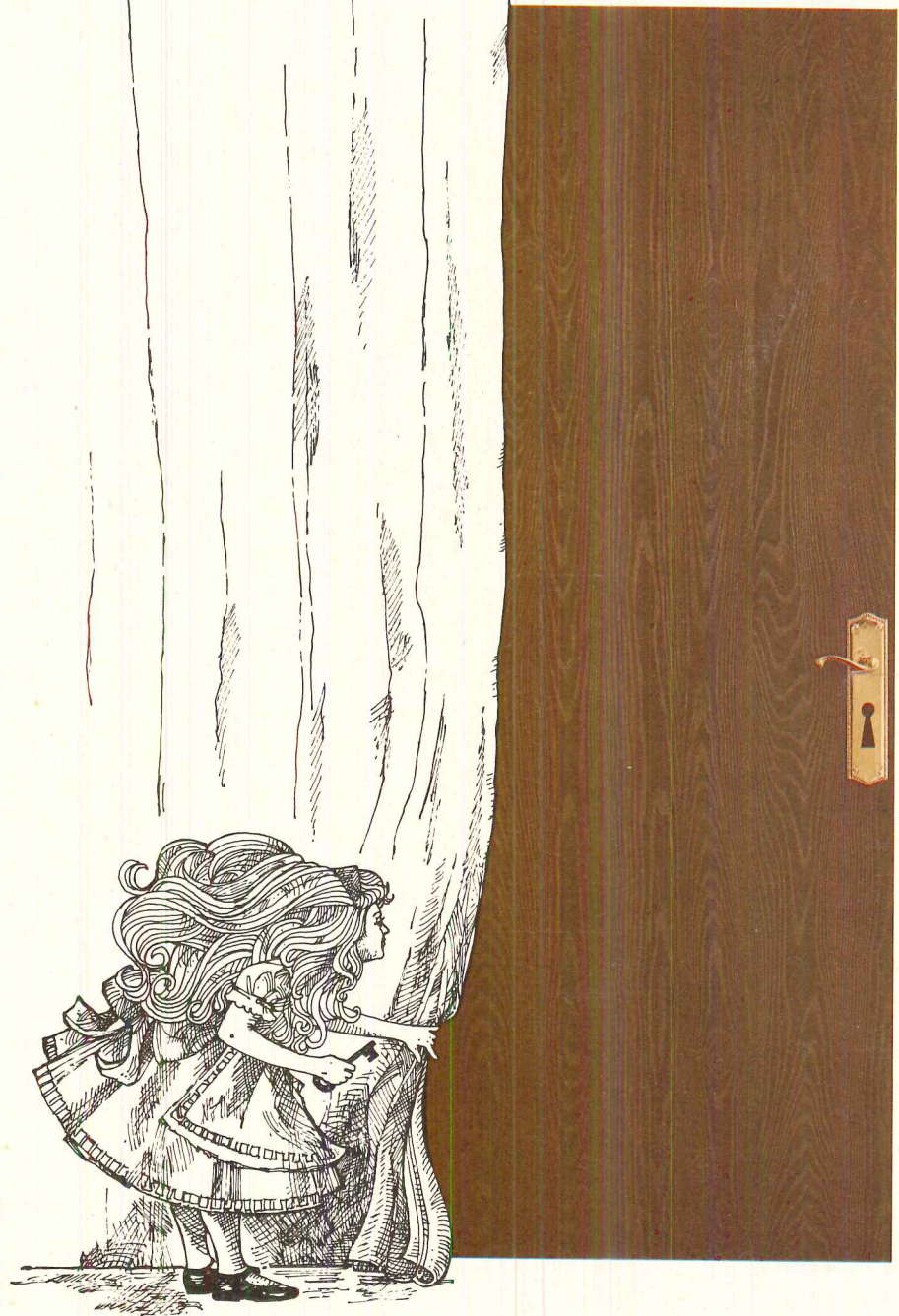
There's only one. **MOEN**



For more data, circle 8 on inquiry card



Legacy[®]



**A Touch of Wonderland
for the Basic Building**

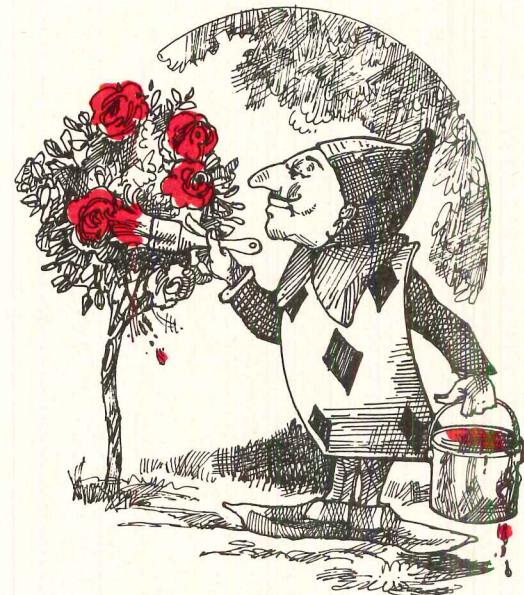
Tight Money Breeds Tough Customers

Designing buildings that will sell is no tea party these days. Americans take a hard... cost conscious... look at every detail you incorporate. But that doesn't mean your specifications have to be as plain as a rabbit hole.



A Little Beauty Goes a Long Way

Salesmen probably tell you a dozen times a day that their items will make your designs sell like hot cakes. On and on, they paint their roses red. But just consider this: Legacy doors work for you in *every* room of the structure. Its rich, deep-embossed grain on hardboard so delights the eyes and hands that few people can walk by one without running a hand over its surface.



Of Course It Has to Last and Last

You'd be mad as a hatter if you chose doors that just looked good but couldn't take the abuse of day to day use. No worries; Legacy is tough. It's 50% again as dense as natural wood and is prefinished with a highly stain and mar resistant coating. Legacy looks good a long long time. Maybe forever.

All of Which Means Legacy Stands Alone



Oak-tone



Walnut-tone

It was true when we first introduced Legacy; it's still true today. Oak-tone or walnut-tone, Legacy's deep embossed grain is unmatched. Priced well below solid real wood doors and just a bit above lauan and unfinished birch, Legacy puts a touch of Wonderland into every room at a cost that will make both you and your clients smile like Cheshire cats.

For the names of quality door manufacturers using Legacy write: Masonite Corporation, 29 North Wacker Drive, Chicago, Illinois 60606. Or consult your Sweet's 1976 File.

Masonite and Legacy are Registered Trademarks of Masonite Corporation.

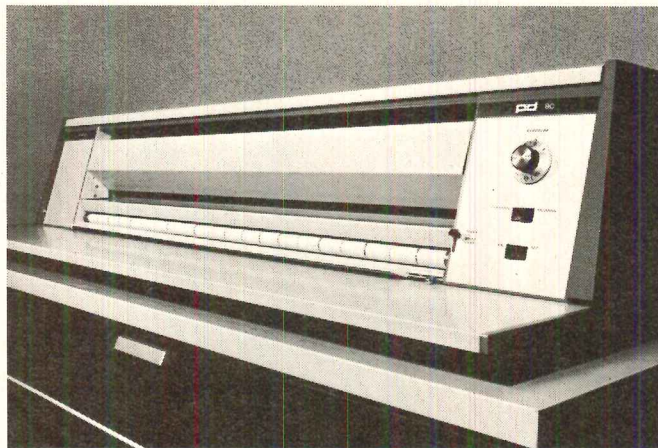



MASONITE
CORPORATION

Now, the way to buy a PD-80 is to rent it.

We claim the odorless, instant-on, 110-volt PD-80[®] is the best thing going for quality and convenience in engineering copying. Four years in the marketplace and lots of happy customers bear us out. But you don't have to take anyone's word for it.

The good news: a unique *Rent with Option to Buy* plan for the PD-80. Yes, we understand capital is tight. You want to be sure before you commit. So rent your PD-80 for \$30 a month, and make your



buying decision after you realize you can't afford to do without one.

For the first three months, every cent you pay in rent is applied toward the purchase price of a PD-80. From four to six months, 75% of your rent applies. A declining scale sets in after that. Don't confuse our plan with anyone else's. Ours gives you a no-question, no-penalty, 30 day cancellation.

The *Rent with Option to Buy* plan is our way of showing you out front that in cost, convenience and quality, the odorless PD-80 can't be beat.

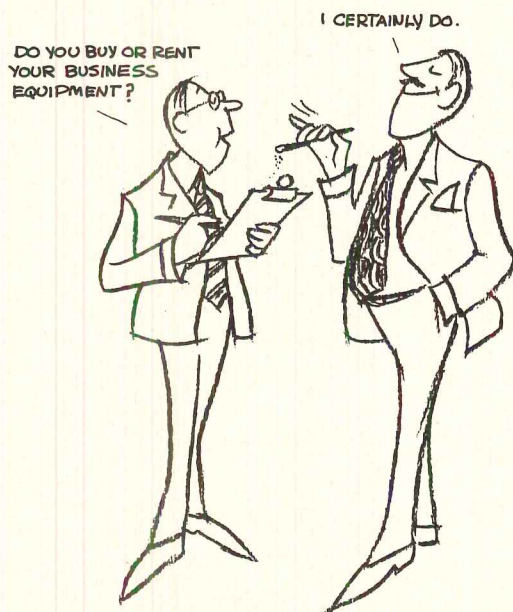
Send for complete information. Or call your nearest Bruning sales office and get the whole story in a hurry. Bruning, 1834 Walden Office Square, Schaumburg, Ill. 60172.

We help engineers communicate.



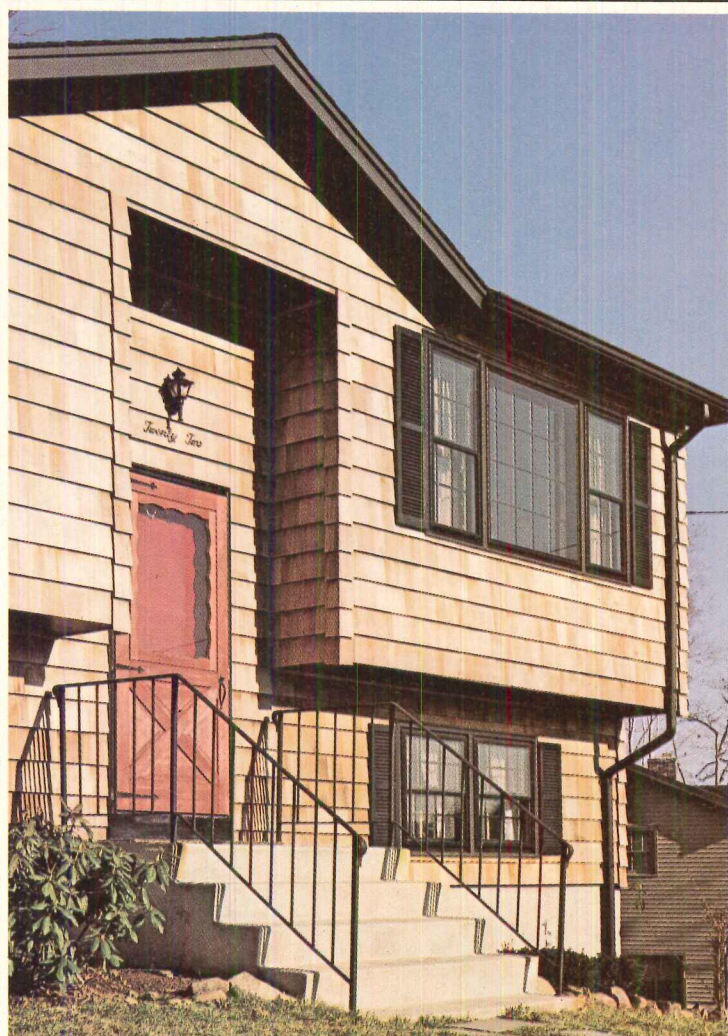
BRUNING

DIVISION OF
ADDRESSOGRAPH MULTIGRAPH



For more data, circle 62 on inquiry card

Which house costs less to heat?



This one with aluminum siding?

When you put Shakertown Panels up, heating costs go down. That's because almost 25% of a home's heat loss is through the walls. And Shakertown Panels insulate better than almost any other sidewall material.

Take a look at Shakertown Panels' R value (the higher the number, the better the insulator): It's 1.13. That's better than aluminum siding (R .70), a 4" thick brick veneer (R .44), wood lap siding (R .78), and most other conventional siding materials.

Or this one with Shakertown Panels?

Why do Shakertown Panels insulate so well? Because each 8-foot long panel is made from #1 Certigrade Western Red Cedar shakes and shingles permanently bonded to a wood backing. So you get the superior cellular insulation of cedar along with the extra protection of a plywood veneer.

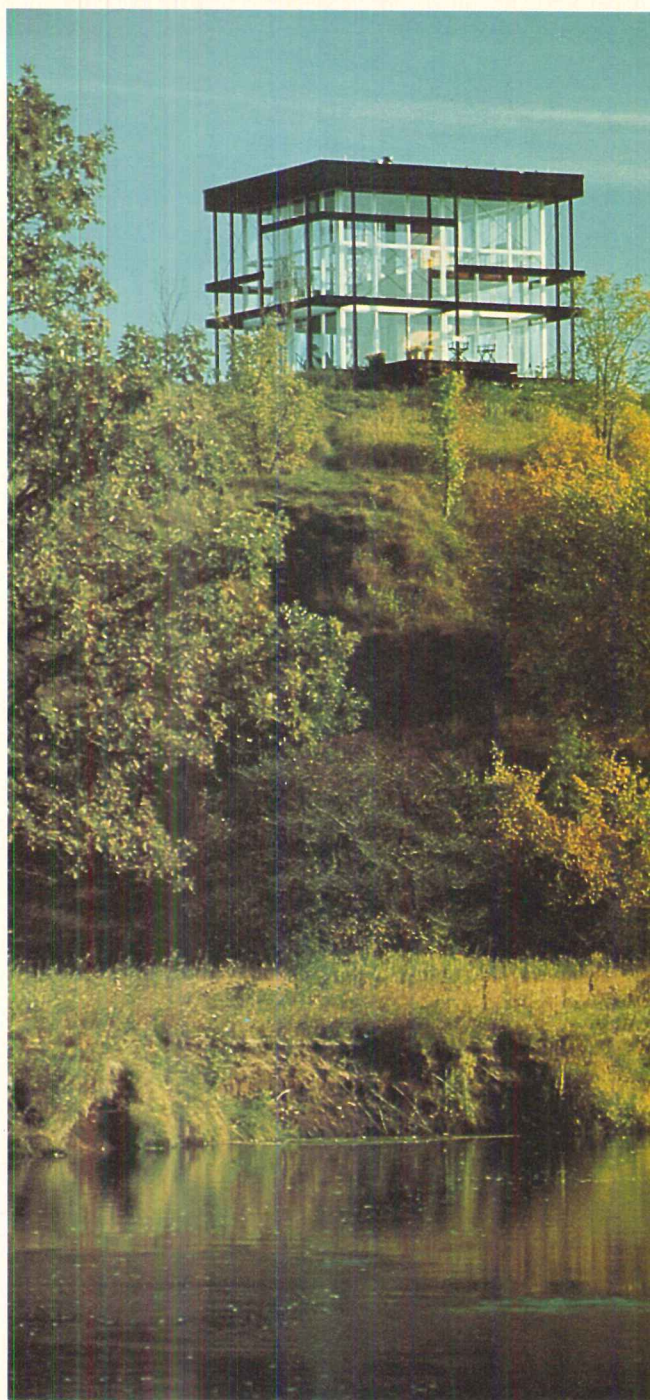
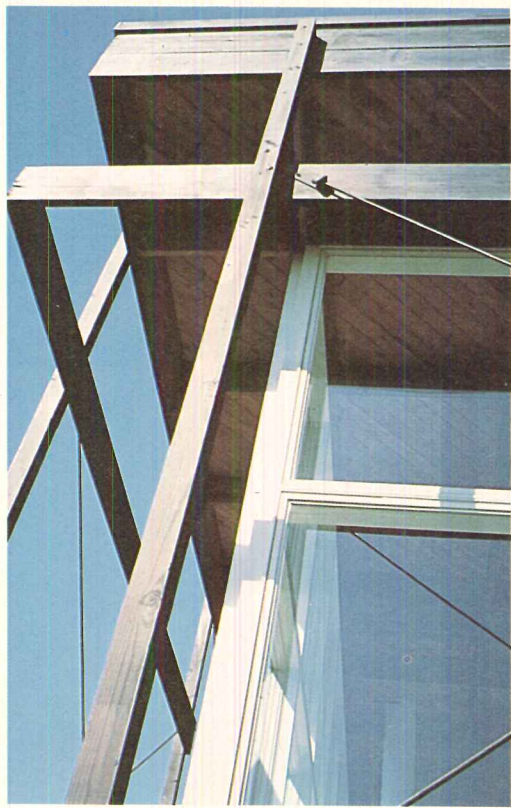
Find out more about how Shakertown Panels keep labor costs, callbacks and heating costs down. Write for our free insulation brochure.



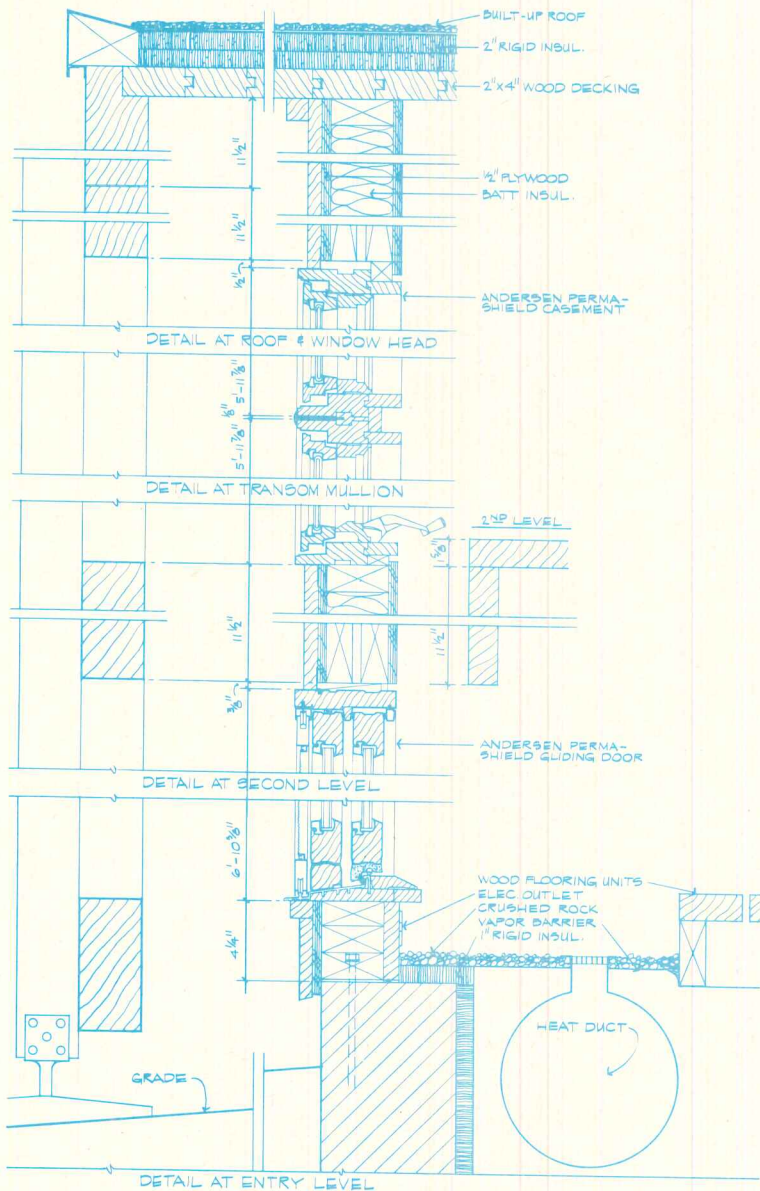
Shakertown® Panels

Box 400U, Winlock, Washington 98596 (206) 785-3501

In Canada: Bestwood Industries, Ltd., Box 2042,
Vancouver, B.C. V6B 3R6



Rapsons' Glass Cube (48 Andersen® Windows and 8 Andersen Gliding Doors).



Designing his own weekend home was a lot tougher than award-winning architect Ralph Rapson thought.

Mainly because a conventional retreat just wouldn't do. He wanted a place that would allow him to take full advantage of the picturesque Apple River Valley.

So Mr. Rapson designed a transparent home to permit continuity of nature throughout the house.

His vehicle for bringing the idea to life? Andersen® Perma-Shield® Windows and Gliding Doors.

Mr. Rapson was impressed by their solid, sturdy construction and neat, trim lines.

And Mrs. Rapson liked their smooth, silent, easy operation.

The Rapsons will have plenty of time away from window chores to enjoy their home, too.

Because Perma-Shield Windows and Gliding Doors are made of treated wood and sheathed in long-life rigid vinyl that doesn't chip, flake, peel or blister. Doesn't rust, pit or corrode.

And double-pane insulating glass provides a major part of the fuel-saving benefits of storm windows.

So, whether you're constructing a weekend retreat or an everyday building, use Perma-Shield Windows and Gliding Doors.

For more information see Sweet's, File 8P. Or call your Andersen Dealer or Distributor. He's in the Yellow Pages under "Windows."

Rapsons' Glass Cube
Apple River Valley, Wisc.
Architect: Ralph Rapson, F.A.I.A.

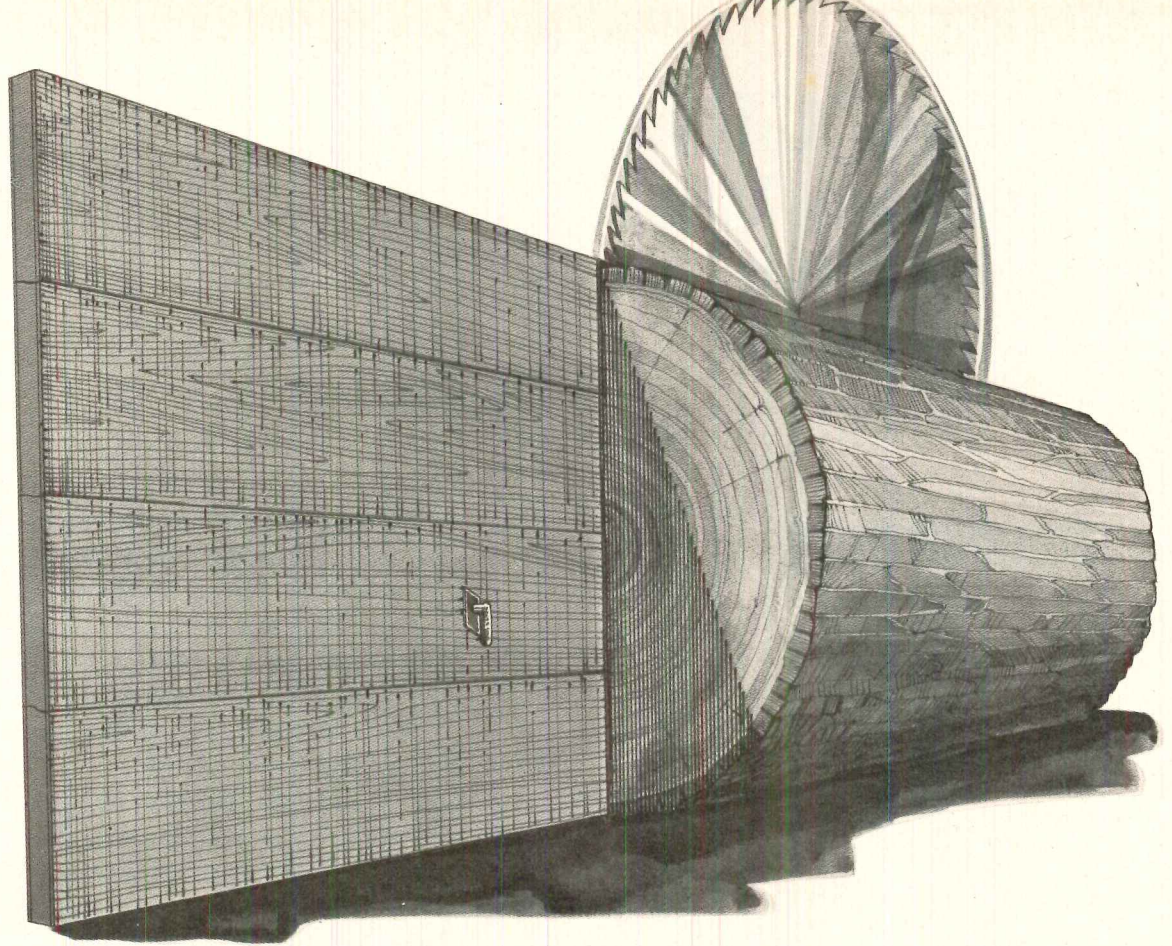
5055G Copyright © Andersen Corp., Bayport, Minn. 1976

The beautiful, carefree window.

Andersen Windowalls®
ANDERSEN CORPORATION BAYPORT, MINNESOTA 55003



For more data, circle 12 on inquiry card



RAYNOR RANGER GARAGE DOOR

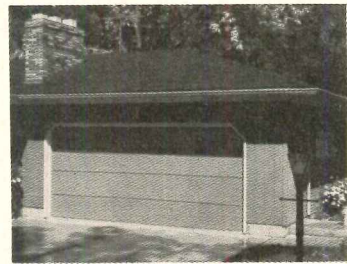
Rough-Sawn Match-Mate For Your Rustic Style Homes



The new Raynor Ranger garage door fills a long-felt need in garage door styling. With its authentic rough-sawn cedar look, the Ranger fits perfectly with today's popular designs in homes

—homes with a natural, wide open spaces quality, homes that belong in a rustic setting. It's really a specially textured hardboard surface that can be stained any color desired, to blend or contrast with the color of the home. The Raynor Ranger has a great inside story, too, for underneath the rough-sawn paneling is a rigid honeycomb that provides a

tremendous amount of strength while holding the weight down. All four door sections are a full one inch thick. The hardware is custom designed and



manufactured in Raynor's tradition of offering a totally trouble-free garage door system. For your next home project, specify the door that matches and enhances your design.

The Raynor Ranger, in one and two car sizes. We'll be happy to send you literature.

Ask about our automatic operator for extra convenience and energy conservation to your home buyers.

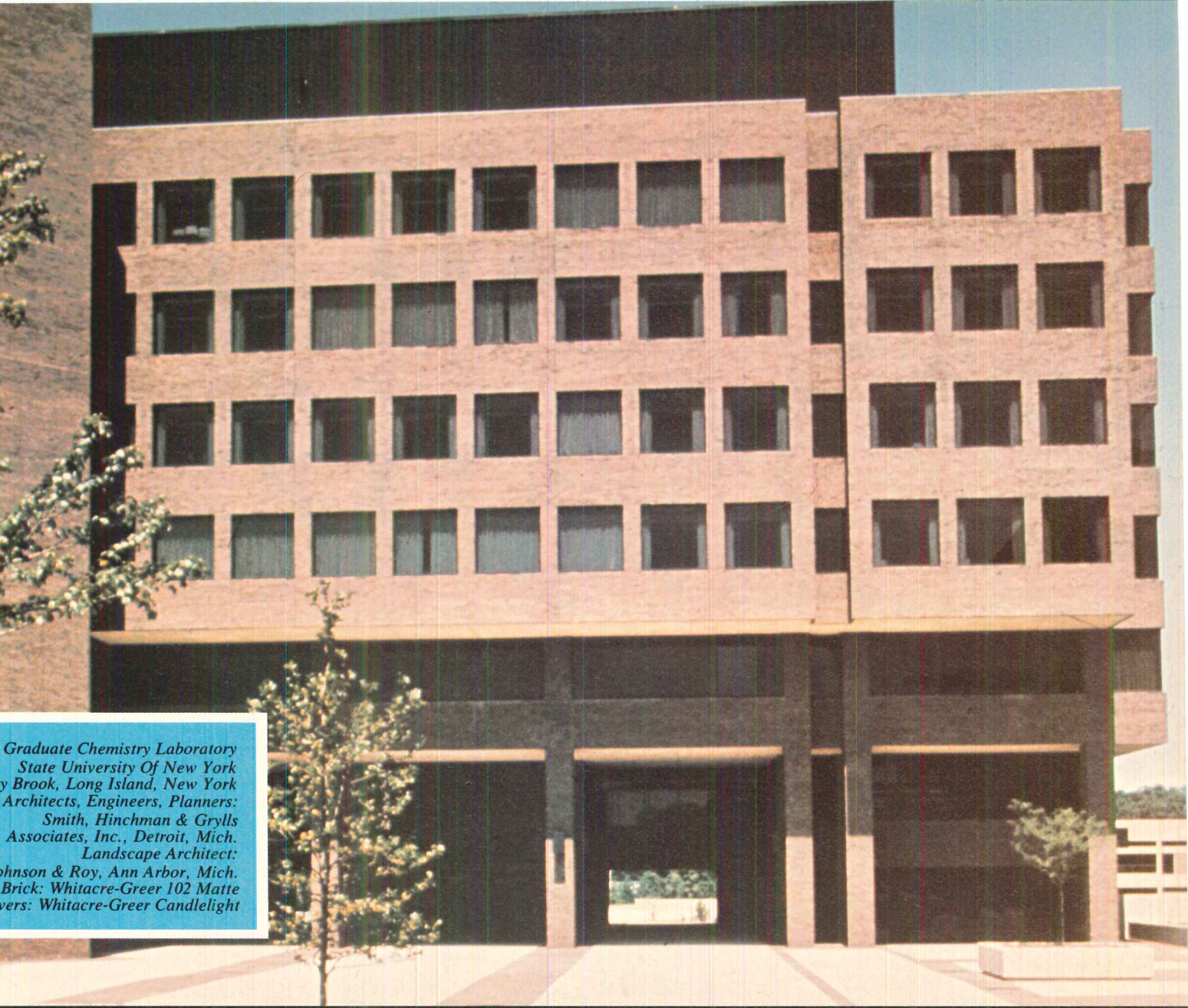


RAYNOR MANUFACTURING COMPANY

RAYNOR
The Brand You Can Depend On

Dept. RH-5, DIXON, ILLINOIS 61021

Graduate Chemistry Laboratory
 State University Of New York
 Stony Brook, Long Island, New York
 Architects, Engineers, Planners:
 Smith, Hinchman & Grylls
 Associates, Inc., Detroit, Mich.
 Landscape Architect:
 Johnson & Roy, Ann Arbor, Mich.
 Brick: Whitacre-Greer 102 Matte
 Pavers: Whitacre-Greer Candlelight

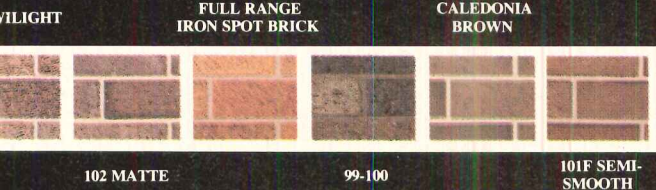


For Distinctive Earth Tones Depend On Whitacre-Greer Architectural Face Brick And Pavers

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

available in a variety of shapes and sizes. All are designed for severe weather use.

For 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



Most of the brick shown are available in standard size. Most are available in 11 5/8" length, plus 8 and 12-inch squares. The 8-inch and 12-inch square shapes meet ASTM Designation C-652 Type HBS, or C-212 Type FTS. Others meet ASTM Designation C-16 Type FBS.

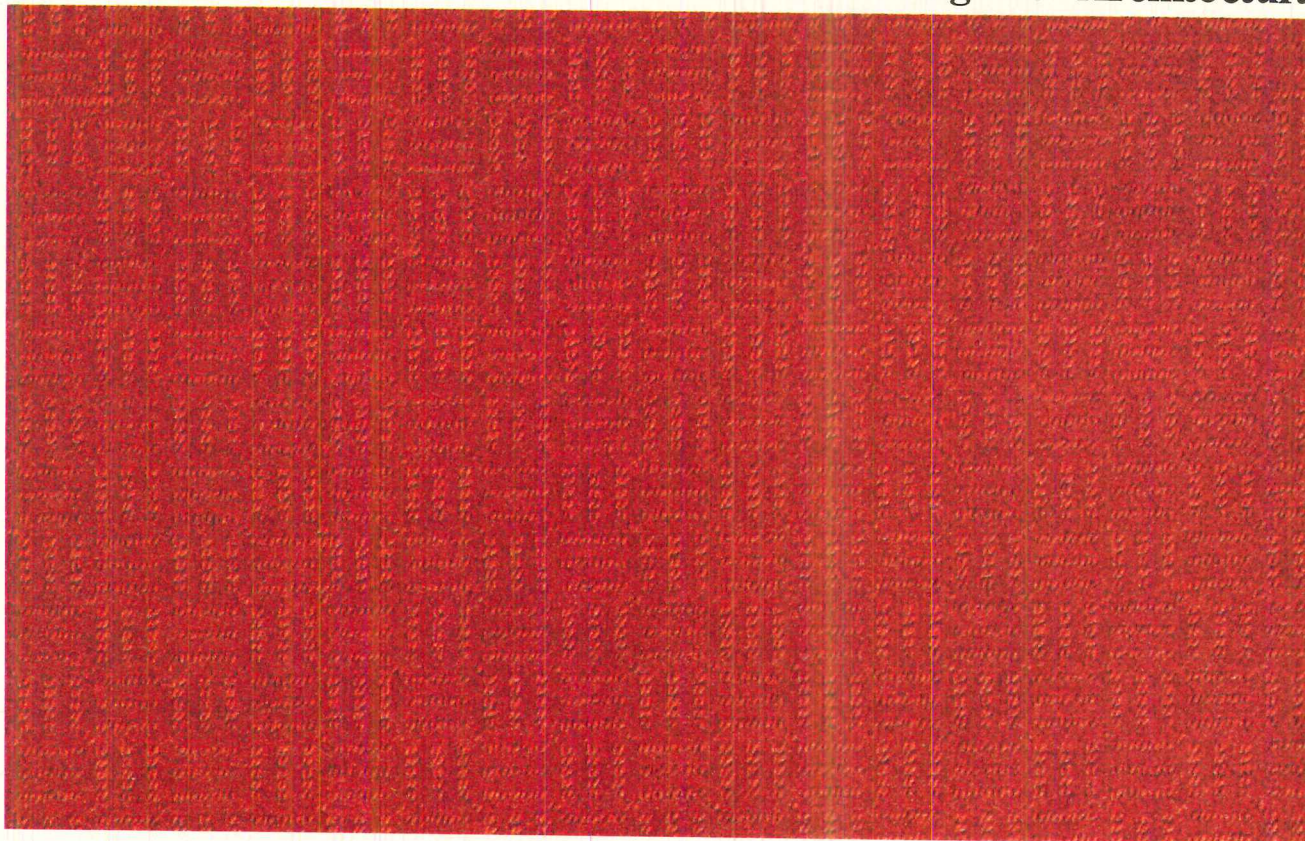
Most of the pavers shown are available as squares, hexagons and rectangles. Compressive strength 10,500 psi. Maximum average absorption Rate 4%. Minimum average freeze-thaw cycles 100 minimum. Size and distortion tolerance and color variations on pavers will meet ASTM Designation C-216, Type FBS.



WHITACRE-GREER
 WAYNESBURG, OHIO 44688

Now you 256 ways

The running line "Architectura



Here's a custom-design program

for people who don't necessarily need a couple of acres of carpet. Karastan's exciting "Designers' Choice Collection" gives you the choice of 16 handsome cut-and-looped woven textured patterns in 16 different colors. That's 256 combinations. And you need order a minimum of only 300 square yards. That's about enough to carpet a small suite of offices, a small motor inn, a bank

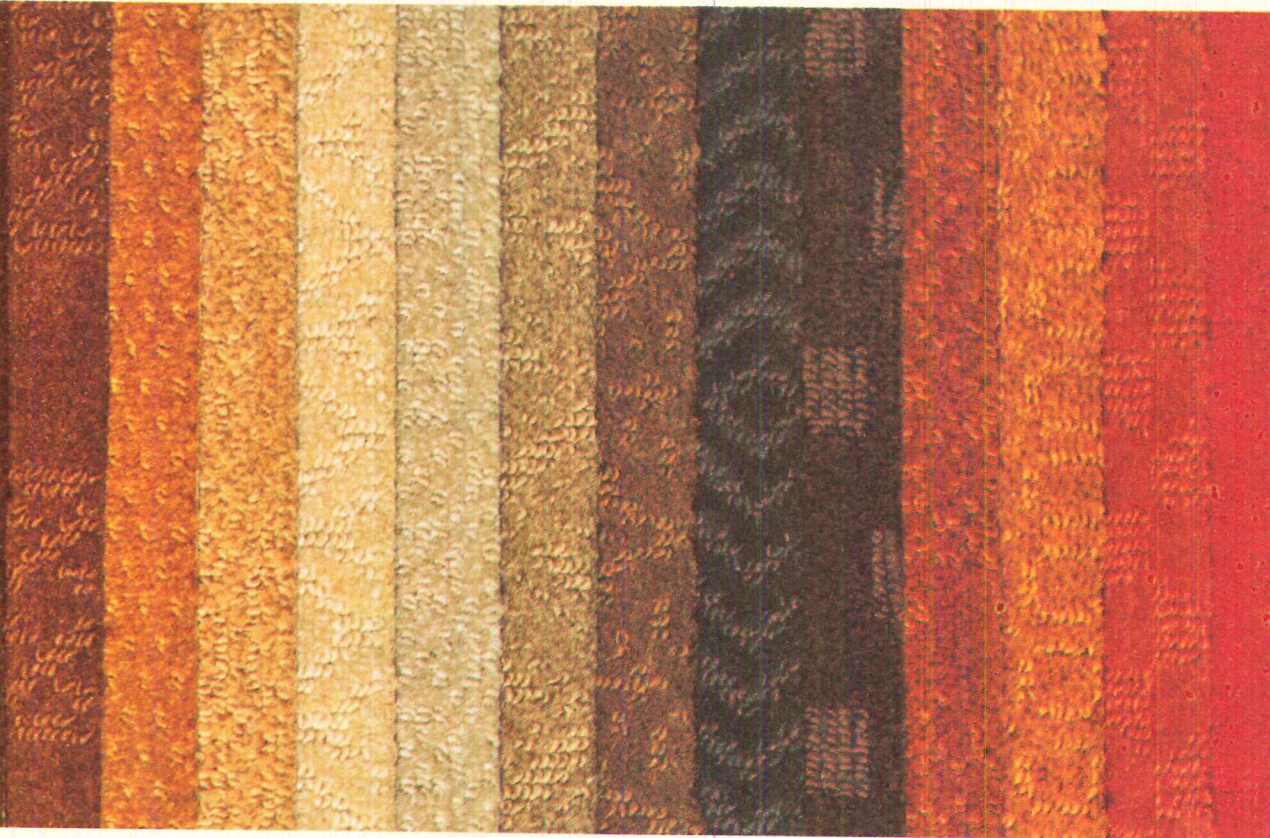
lobby, a restaurant, a retail shop or the corridor and lobby of a low-rise apartment house.

For one of the patterns in the collection, minimums are required at all. Called "Architectura," this small-scale basket-weave design is available as an in-stock running line. Any order will be taken. Typically Karastan, Architecturale is Kara-lòc woven with a dense fabric of 100% Antron nylon, the advanced soil-resistant fiber, plus static-control yarns.

can have it

Karastan changes the nature of
contract carpet with the
DESIGNERS' CHOICE collection

5 other patterns in 16 colors



unique richness of color, the pile-yarns are
dyed too. The other 15 patterns in the collec-
tion are made to the same specifications as
this one. As we said, these patterns require
small square yard minimums. However, there are
NO MAXIMUMS. If you need acres of carpet,
we will weave acres. In fact, if you need 1,000 or
more square yards, Karastan will dye the carpet
in any color you choose. Now, that's giving
you a choice!

Karastan[®]
AMERICA'S FINEST POWER-LOOMED RUG

the public carpet
with the
private look

A Division of Fieldcrest Mills, Inc./919 Third Ave./New York, N.Y. 10022

For more data, circle 15 on inquiry card



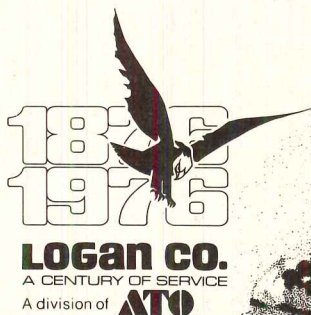
Logan.

The first
spiral stair designed
to comply with the
Uniform Building Code (UBC).

For the first time, 1976 Uniform Building Codes specify conditions under which spiral stairs can qualify as legal exits. And now,

LOGAN 5 ft. and 6 ft. spiral stairs are the first to meet these qualifications. The primary means of egress, in a convenient, economical installation with the decorator touch. All in one neat package.

Call or write for full information. Logan Co.
P.O. Box 6107, Louisville, KY 40206.



For more data, circle 63 on inquiry card

Offer home buyers extra elegance at every doorway.

Caradco's Interior Sculptured Doors are the decorator focal point in every room in the home. And they give better performance than panel doors at a moderate price.

Caradco's Interior Sculptured Doors have the look of luxury that goes so beautifully with the fine furniture look our buyers want. Deep, clean carved panels are fashioned from one-piece, wood-grained, molded faces that won't split, check, shrink or show paint lines.

And Caradco does the entire manufacturing job, right up to the factory-prime on all doors. Makes final finishing especially easy, whatever the choice of finishes. You know the completed door will have a true decorator look.

Ask your Caradco distributor about his complete line. It's really your doorway to greater sales opportunity.



Caradco

Saves energy naturally
Caradco Window and Door Division

Scovill

The secret of making barnboard has been slipping away since logs were hand-hewn by settlers, and left to season in the sun.

Now the secret is out. With Sawtooth. Original panels by Boise Cascade. With all the weatherworn notches, gnarls

and furrows to let any new project look like a native. In four natural colors that can take you back to the land, and price that can bring it home.

Sawtooth. The return of a native. See it now at your siding dealer.

Sawtooth



**Boise Cascade
Building Materials Group**

P. O. Box 2885
Portland, Oregon 97208
See Sweet's Architecture and Light
Construction files, No. 7.6.

For more data, circle 17 on inquiry card

ootn

TM

montgomery SPM[®] elevator packages solve cost and delivery problems throughout North America

Montgomery SPM elevator packages are Standard Pre-Manufactured complete units specifically designed for quick delivery and speedy installation in order to save you time and money. Standard pre-manufacturing means shipping from inventory. Standard pre-manufacturing means reduced elevator and installation costs. Fast delivery. Reduced costs. Montgomery custom quality.

SPM elevators are available as traction (hoist rope)

packages for medium-rise buildings and oil hydraulic (plunger) packages for low-rise buildings. SPM packages are a part of Montgomery's Total Capability in design, manufacturing, installation and maintenance of elevator, escalator, Power Walk and Power Ramp Systems throughout North America.

Contact your nearest Montgomery office—we're not very far from anywhere in North America.

montgomery moves people

For more data, circle 18 on inquiry card



montgomery[®]

ELEVATORS/ESCALATORS/POWER WALKS & RAMPS

Montgomery Elevator Company, Moline, Illinois 61265 • Montgomery Elevator Co. Limited, Toronto, Ontario M9B3S5 • Offices in Principal Cities of North America

interrupt this advertisement for a commercial break. ARISTOCON.[®]

Aristocon goes commercial. Now an alternate solution to the disadvantages of tile, parquet and carpet-commercial flooring. Disadvantages such as seams, staining, soil build-up, maintenance.

They deserve a commercial break. Now you have it with Aristocon. Aristocon brings to the commercial environment the qualities that made it successful in the home.

Design shown

Aristocon is beautiful enough to dress up any shop, business or office. Tough enough to handle the traffic, spills and scuffs it must face every day.

One reason Aristocon can take the hard knocks is its exclusive no-wax JT88[®] wear layer. A wear layer so stain-resistant it protects against damage by iodine, alcohol, mustard, shoe polish, lipstick, hair coloring.

And, unlike other so-called no-wax floorings, Aristocon won't need a redressing. In fact, just normal cleaning and occasional power buffing restore its original lustre.

When you specify Aristocon for commercial applications, you know you're getting a hard-working beau-

ty. One with the convenience of 6 and 12-foot widths for few seams.

The Aristocon alternative. Beautiful. Tough. And easy on your pocket-book.

See us in Sweet's Light Construction File or write for free sample and architectural folio.



Mannington Mills, Inc., Dept. A76, Salem, N.J. 08079. Over 60 years of fine flooring. Others by Wellco Carpet Corp., Calhoun, Ga., a wholly owned subsidiary.

mannington

SUCCESS IS BEAUTIFUL

For more data, circle 19 on inquiry card



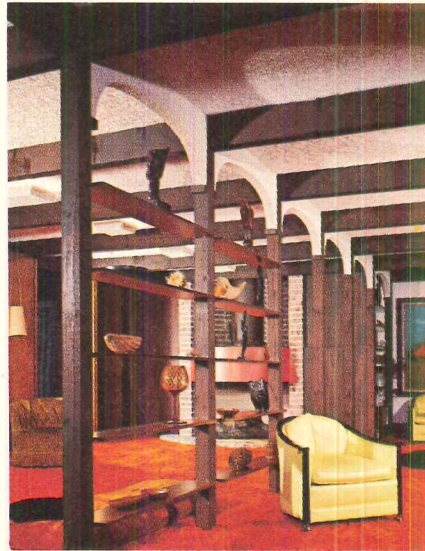
The Tectum environment: warm, quiet, hospitable.

Sounds like a nice place to live and work? It is. That's why successful builders are using this remarkable structural wood fiber product as roof deck, modular wall units, interior panels and partitions.



Tectum keeps the indoors in, the outdoors out.

Tectum® paneling is made of long wood fibers bonded in a special process with an exclusive, inorganic binder. These panels are lighter than other similar products in this field, come in a wide range of standard sizes and are easily installed with ordinary hand tools.



Don't like the way things look? Change them.

Tectum is ideal for remodeling commercial or residential interiors. It's a good insulator, provides a tough, impact-resistant surface, comes in a variety of sizes and thicknesses and works as wall or ceiling panels. Tectum can be spray-painted any color with an alkali-stable flat latex paint without affecting the acoustical properties.



Tectum stays on top of things.

A variation of regular Tectum, called Tectum II, is an unusually effective insulation material with an integral layer of urethane insulation. Tectum II® is used in roofing systems and as wall panels.



Tectum revives a lost art—silence.

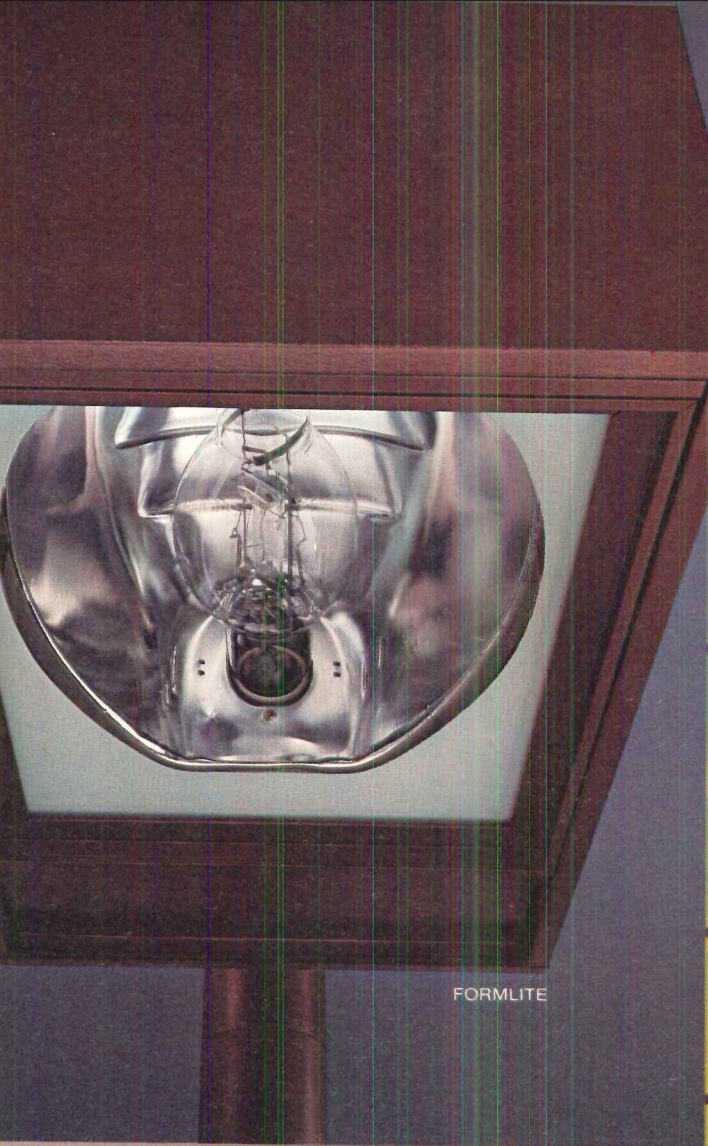
Tectum is the answer to a variety of sound control problems. Depending on thickness, it can achieve noise reduction coefficients of from .45 to .75.

For more information, write Gold Bond Building Products, Division of National Gypsum Company, Dept. RH-56T, Buffalo, New York 14225.

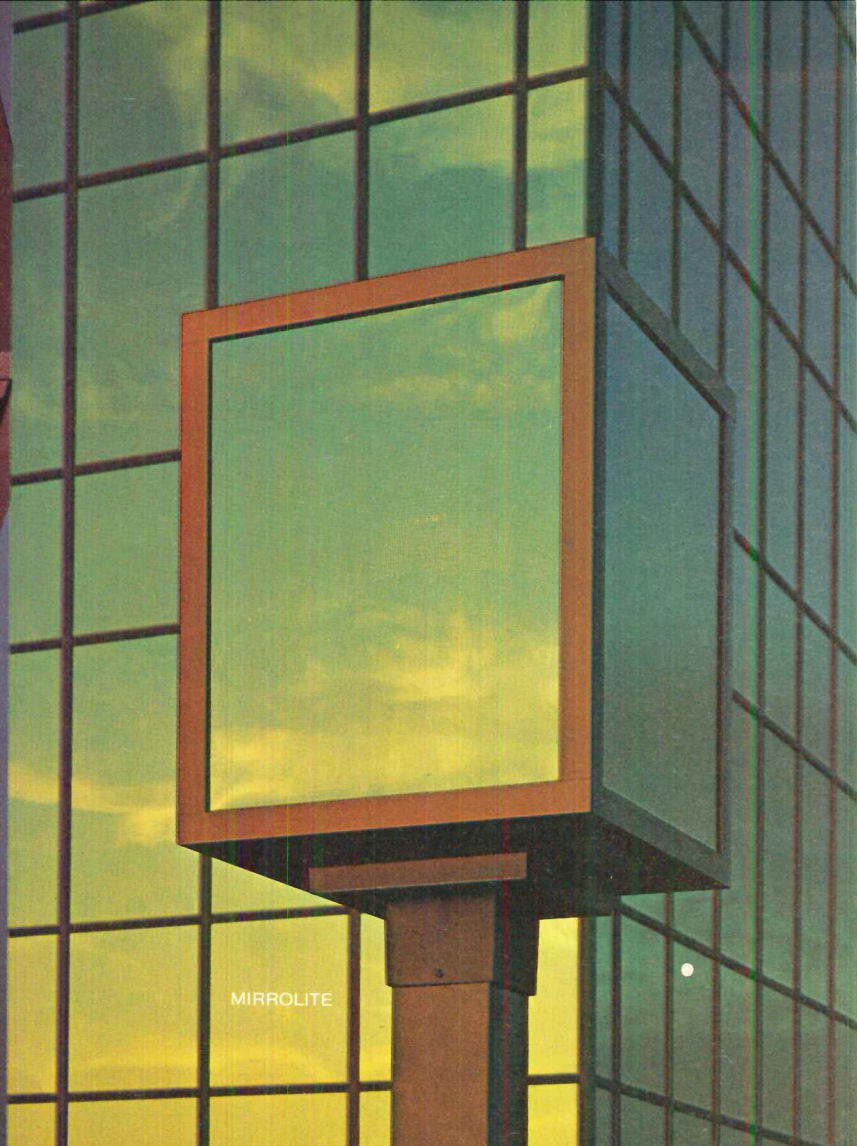
**We're gypsum,
and then some.**



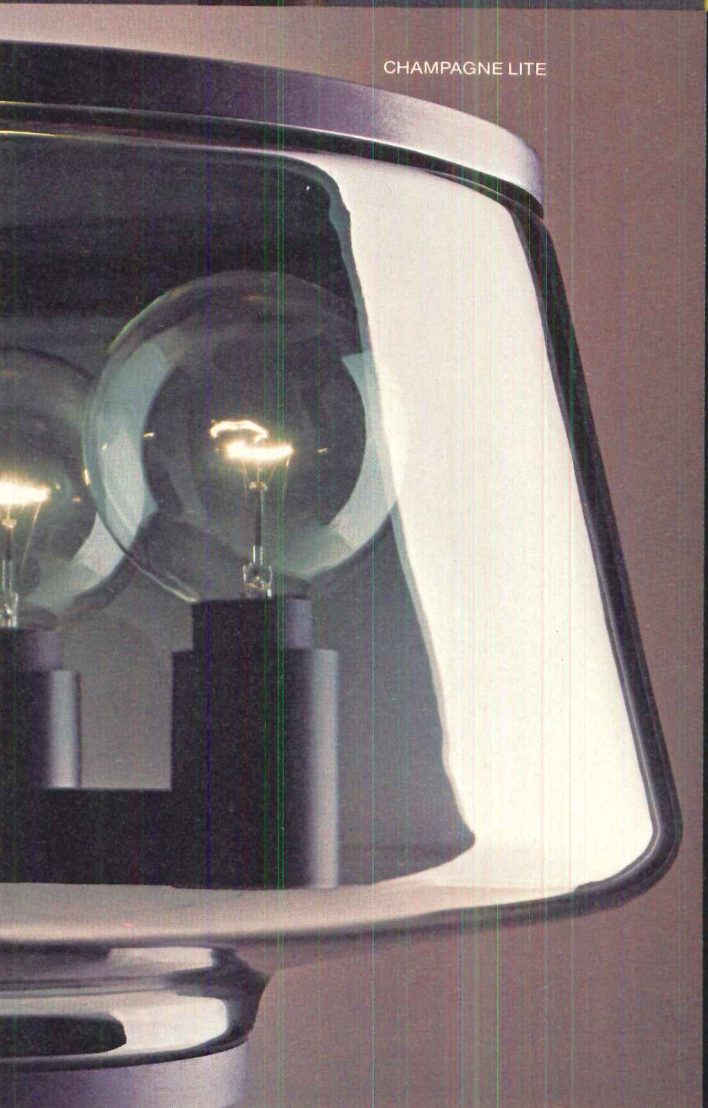
For more data, circle 20 on inquiry card



FORMLITE



MIRROLITE



CHAMPAGNE LITE

**SHINING
EXAMPLES OF
PURE DESIGN
FROM
LANDMARK.**

Three of our designer series outdoor luminaires.
For a glowing account of all of the Landmark lights,
write for our new Architectural Series catalog.
ITT Landmark Lighting, Box 100, Southaven, MS 38671.

Landmark Lighting **ITT**

It's a beautiful way to save energy!

More and more architects are specifying McQuay's Hi-Line SEASONAIRE® heat-recovery unit. Here's why:



1. Very efficient water-to-air heat pump cools/heats year-round, also helps pay the energy bill by recovering the heat generated in any area of the building and transferring the heat to areas that need it.

2. Each unit can be individually metered with the tenant paying his own energy costs.

3. Lots of design options! Units can be located away from an outside wall to form a curtain cove. Or built into a room divider. Or easily concealed in a corner. Or built into an interior wall to serve two or more rooms. Or furnished with a finished cabinet for exposed mounting.

4. Quiet operation results from sound enclosures around the compressor, and from draw-through coil design that muffles fan noise—and keeps building tenants happier.

5. Very versatile, too: Units don't protrude through walls to the outside. No need for holes in outside walls—and no money spent making the holes. No need for louvers, either, to cramp your design or clash with the aesthetic integrity of the building. You can use a variety of treatments, and the compact, slender lines of the Hi-Line unit are very easy to work with.

6. Simplify your design: Units can be stacked—one over the other, floor by floor. Overall labor can be reduced 25% and installed cost reduced 15% or more. The slip couplings provided eliminate pipe cutting.

7. If one unit fails to function, the entire building is not shut down. Only the space served by the outside service unit.

8. Air-handling equipment rooms eliminated. Boiler and cooling equipment rooms are smaller or unnecessary.

9. Ductwork and suspended furred-in ceilings aren't necessary.

10. Chassis is easily removed and replaced. If repairs are needed, a spare chassis can be installed while the defective unit is repaired at the shop.

11. For aesthetics and improved control, factory-installed thermostat is self-contained within cabinet, with sensor in return-air for quick measurement and fast response.



**McQUAY
GROUP**
McQUAY-PERFEX Inc.®

P.O. BOX 1551, MINNEAPOLIS, MN 55440

For more data, circle 22 on inquiry card

Classic windows: The handsome and practical bow

Marvin isn't the only manufacturer able to build beautiful bow windows, but we do some things that make it extremely easy to execute an outstanding bow. For instance, we offer 24 different bows, from small to very large in standard casement and Casemaster styles. We ship them set up and ready to go into the opening.

They're available with a lot of different options, including prefinishing, triple glazing, and divided lites. The materials and the workmanship in Marvin bows must be seen to be appreciated. Inspect one and see just how well a window can be built. We'll be glad to send literature. Marvin Windows, Warroad, MN 56763. Phone: 218-386-1430.

For more data, circle 23 on inquiry card

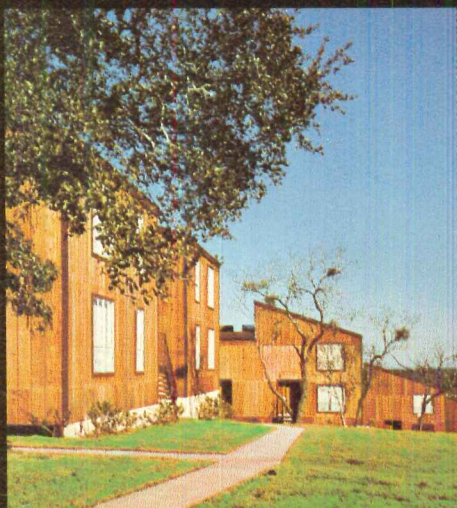


**Marvin
Windows**





Medical Center—Andover, Massachusetts • Architects: DrummeY Rosane Anderson, Inc.



Woodhill Apartments—San Antonio, Texas
Architects: Hoff, Blackstone and Strode, AIA

Redwood Plywood



Nob Hill Condominiums—Hauppauge, New York • Arch.: John A. Jacobsen and Associates • Sponsor & Builder: The Campagna Development Corporation



Professional Center—Carmel, California • Architects: Rochlin and Baran, AIA, and Assoc.



Office Building—Sausalito, California
Arch.: Wurster, Bernardi and Emmons, Inc., AIA
Structural Engineer: W. B. Clausen



Regula's Designs in Flowers—San Francisco, California
Designer: John Augsbürger

its beauty is more than skin deep.

Appeal is clearly the principal reason for selecting redwood plywood as a building material. The warm beauty and rich color of its surface enhance the structure itself in any physical setting.

Redwood plywood also offers the architect and builder practical advantages and economies.

Durable. Redwood plywood is naturally resistant to rot, decay, and protected with both a waterproof bond and a water-repellent preservative.

Fire-resistant. Redwood plywood, in 5/8" thickness, has a low flame-spread rating that qualifies it for all uses in the Uniform Building Code.

Maintenance is minimal. Redwood plywood will take and hold a wide variety of finishes, or weather beautifully when unfinished.

Saves energy in heating and cooling. Like other wood products, redwood plywood affords high insulation and requires less fuel to maintain comfortable year-round temperatures.

Construction is simplified. Because of redwood plywood's cross-laminated strength, it can be applied directly to studs without diagonal bracing. No building paper is required with shiplapped or battened joints. And redwood plywood comes not only in standard 4 x 8 panels, but in 4 x 9 and 4 x 10 sizes as well, to facilitate modular design.

Many patterns are available. Choose from plain, grooved and inverted batten designs, in solid-color heartwood or sapwood-streaked faces. All suitable for interior or exterior use—all textured for rich surface interest.

Current examples of redwood plywood applications are shown in the accompanying photographs. For data on specifying redwood plywood, see the Redwood Plywood Guide in Sweet's or write us at Department P.



CALIFORNIA
REDWOOD

ASSOCIATION

Redwood—a renewable resource

617 Montgomery Street, San Francisco, CA 94111

For more data, circle 24 on inquiry card



Delta Scald-Guard. With a new safety feature at your finger tip



It's the exclusive HOT-STOP BUTTON.™ The latest safety innovation for Delta's patented Scald-Guard bath valves. Here's how it works.

As with all Scald-Guard faucets, you can't turn on hot water without first turning on cold.

And when you rotate the handle into a position that delivers about one-half hot, the HOT-STOP BUTTON prevents you from going further. If hotter water is desired, the button must be fully depressed before the handle will rotate into higher temperature areas.

This means greater protection against acci-

dental discharge of extremely hot water.

An optional pressure balance mechanism maintains constant temperature even when simultaneous use of other water fixtures causes sudden pressure changes. It simply senses change and adjusts to maintain the mix of hot and cold the user originally set.

As with all Scald-Guard, our newest model is available with a special "reverse valve" for back-to-back installation. This saves time and money by eliminating costly, cumbersome cross-pipes.

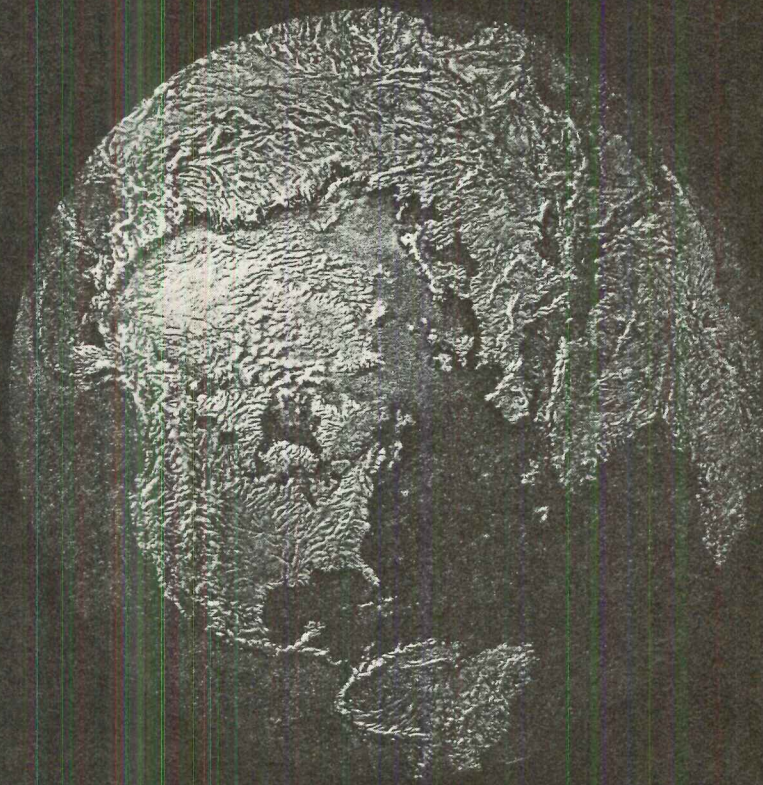
Write for our free catalog. And watch for commercials on TV, preselling prospects who will be customers tomorrow.

**You Can
Believe In
Delta & Delex
Washerless
Faucets**

Delta Faucet Company, Dept. 82, Greensburg, Indiana 47240. A Division of Masco Corporation of Indiana. © 1976 Copyright. Masco Corporation of Indiana

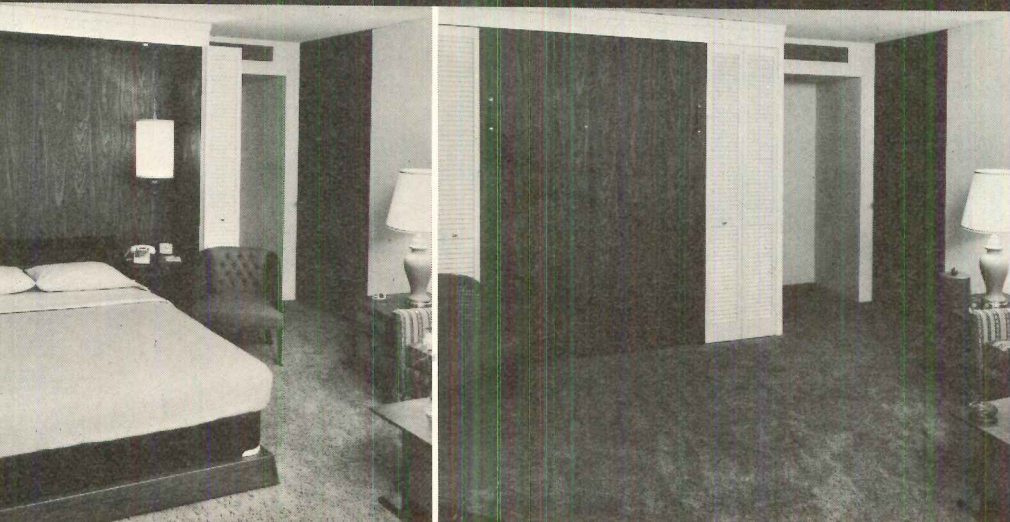
For more data, circle 25 on inquiry card

**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.**

® 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 _____

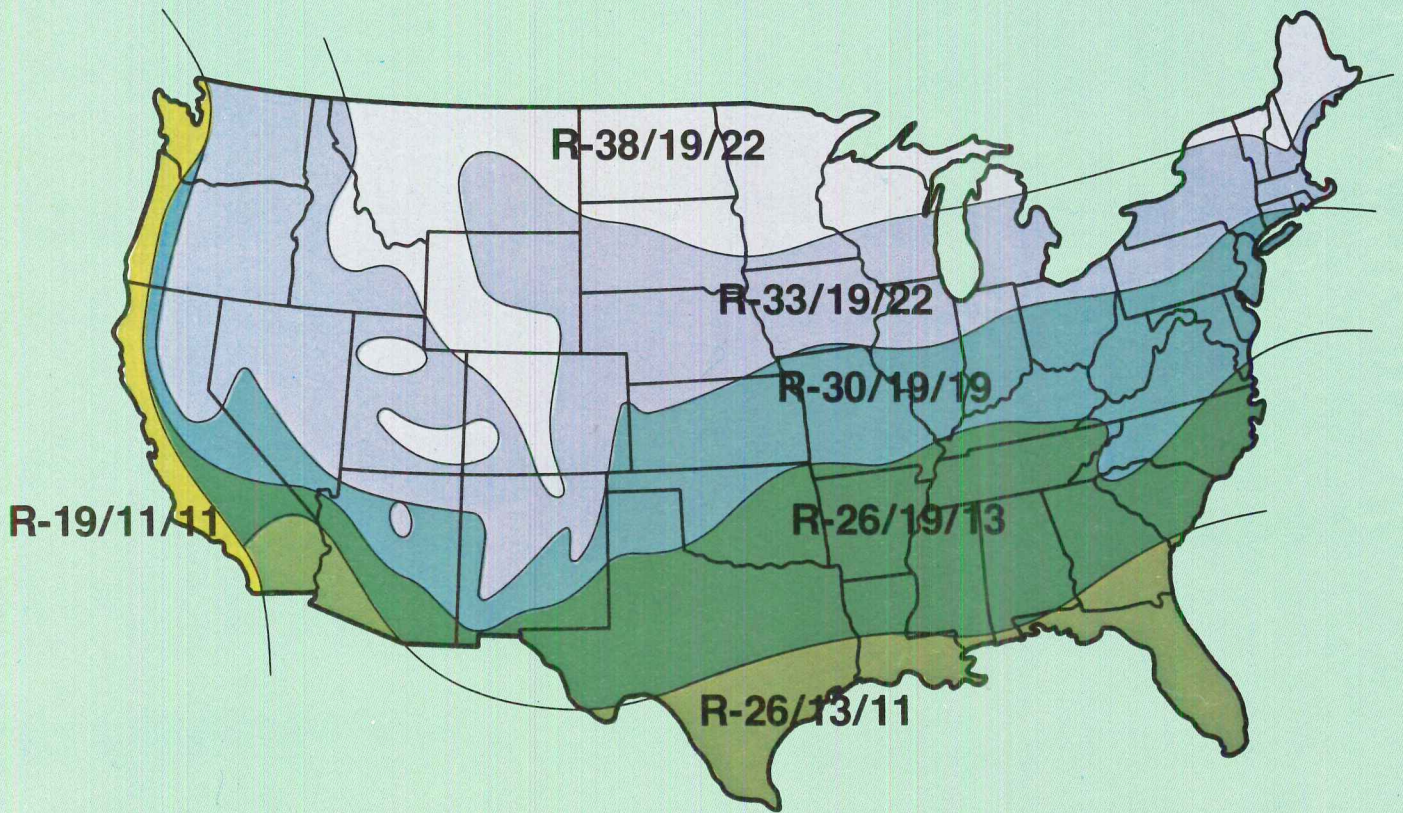
CITY _____ STATE _____ ZIP _____

PHONE _____
(Your inquiry answered within 24 hours.)

Mail to:
SICO Incorporated
Special Markets Division,
AR-18 P.O. Box 1169,
Minneapolis, MN 55440



Here are the new economical levels of insulation recommended by Owens-Corning for six U.S. climatic zones



New economical R values:
Ceilings/Walls/Floors

Insulation is

Today's home buyer knows

Today's skyrocketing prices for oil, natural gas, and electricity have turned home building into a whole new ball game.

Suddenly, an extra few hundred dollars' worth of insulation can mean a saving of up to *thousands* of dollars on heating and air-conditioning bills over the lifetime of a house. *And*

Energy-Per-Month cost (EPM) is fast becoming the second biggest home selling feature, next to price itself.

Economical levels

Above you see Owens-Corning's recommendations for totally new economical levels of insulation—for the era of high-cost energy.

How did we arrive at these numbers? *Very carefully.*

Months of computer analyses were performed, using data from degree days and cooling hours 71 cities to insulation costs, present energy costs, projected energy costs, and investment criteria. The result: Recommendations representing

Here are some practical ways of achieving these new recommended levels of insulation and of providing more affordable housing

Ceilings to new, recommended R-values. You can use layers of fiberglass insulation or combine batts with blowing insulation. Blowing insulation is probably the single most important factor in achieving an energy-efficient living home.

Roofs with two-by-four studs. If you prefer using two-by-four studs, 16" on center, you can install R-13 fiberglass batt insulation between the studs, then sheathe the roof with rigid foam insulation. This increases insulation to about R-19.

Floors over unheated areas. A minimum of R-11 in Southern areas and R-22 in Northern areas. If required, vapor barrier should be installed toward the warm-in-winter side.

Two-by-SIX studs, 24" on center—cuts framing lumber by 30 percent! Thicker walls, to hold thicker insulation (R-19 batts), give needed strength with less lumber, often at less cost, than the usual two-by-four studs, 16" on center. Also, you can use lumber of less expensive grade, and two-by-THREE studs for interior non-load-bearing partitions.

Save money on smaller-capacity equipment. An energy-tight house often permits you to specify smaller, less costly heating and cooling equipment. When possible, position it centrally for increased efficiency.

Cheaper than oil.

And he expects you to know it, too!

between the cost of any insulation and the value of energy it saves. *Guidelines* to the proper amounts of insulation for walls and floors in each area.

Translating R's into inches
The new recommendations are given for each zone, expressed in

"R's"—the resistance an insulating material offers to the passage of heat. The R values for ceiling insulation translate to about 12" (R-38) of Fiberglas* building insulation in a Northern city like Minneapolis to about 8" (R-26) in most of the Southern states. And a full 6" (R-19) batt, even for the balmy West Coast.

The diagram above gives valuable tips on how to build energy-tight homes without driving costs through the roof.

For details, and *sales aids* to help you turn your energy-saving houses into sales faster, write: P.A. Meeks, Owens-Corning Fiberglas Corp., Fiberglas Tower, Toledo, Ohio 43659.

Owens-Corning is Fiberglas

OWENS-CORNING
FIBERGLAS
TRADEMARK ©

For more data, circle 27 on inquiry card

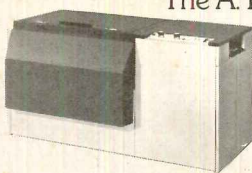


Pushing a button costs 30% less than pushing a pencil.

As much as 20% to 30% of the typical architectural drafting job can be repetitive. Repeated floor plans. Repeated columns. Repeated elevation details. Cut your production costs by doing repetitive drafting at the push of a button with the A. B. Dick Design Master™ camera, and you'll put far fewer draftsman hours into each completed project.

It's a drafting tool anyone can use.

No need for a special operator. Or a special darkroom. The A. B. Dick Design Master camera takes little more space than a drafting table. And it can cost only about \$200 a month—roughly one-third as much as conventional photo-drafting equipment.



Change drawing scale with the turn of a dial.

You can make an exact one-to-one copy. Enlarge a drawing up to 120%. Or reduce it as much as 45%. So

it's easy to make scaled-down site plan worksheets from your original building floor plans.

See how much repetitive jobs are costing you.

ABDICK

Just mail this coupon to:
A. B. Dick Company
5700 West Touhy Avenue
Chicago, IL 60648

- Send me your free bulletin on reprodrafting techniques.
- Tell me more about the Cutting Production Costs laboratories sponsored by the Continuing Education Department of the AIA.

Name _____ Title _____

Company _____

Address _____

City _____ State _____ Zip _____



Imagination like yours needs ingenuity like ours.

Consider no plan impractical until you talk with a Trus Joist field consultant. He's got the inside story on the greatest design flexibility, best strength-to-weight ratios, the most precisely-engineered profiles in the business. He's qualified to offer sound engineering advice.

Our typical open-webbed designs deliver unsupported spans up to 70 feet. Got an eye for the unusual? That's business-as-usual for us: We'll come up with all the right joists for your job — curves and crescents if necessary, or

ingenious new roof and floor structures.

Individual computer design assures exactness. On-time delivery saves on-

site exasperation. When you want a job done right, call up some modern technology. Call your local Trus Joist field consultant, and take a load off your mind.

**Specify Trus Joist.
We've got our system
down to a science.**

For more data, circle 29 on inquiry card





Inside, there's the warmth and beauty of our traditional wood window.

For years, wood windows have been appreciated for their warmth. In appearance. And in their natural ability to provide good insulating properties. So when we developed the cladding system for our wood windows, we were very careful about leaving both of those qualities intact. Viewed from

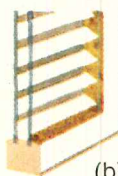


inside the building, all of the surfaces that were meant to be wood are still wood. The exterior aluminum skin is not visible anywhere on the inside of the window. And because the skin does not penetrate the frame or the sash (a), the insulating qualities of the wood are not disturbed.

(a)

In between, a number of unique options for controlling the environment and associated costs.

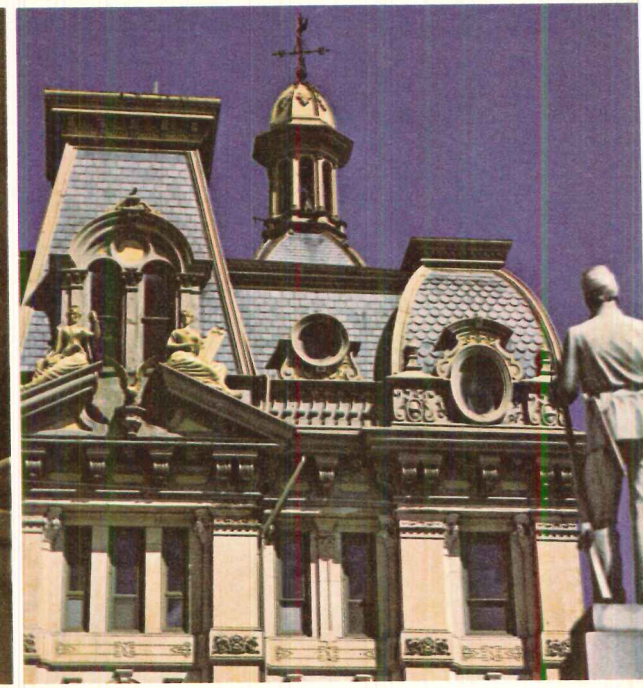
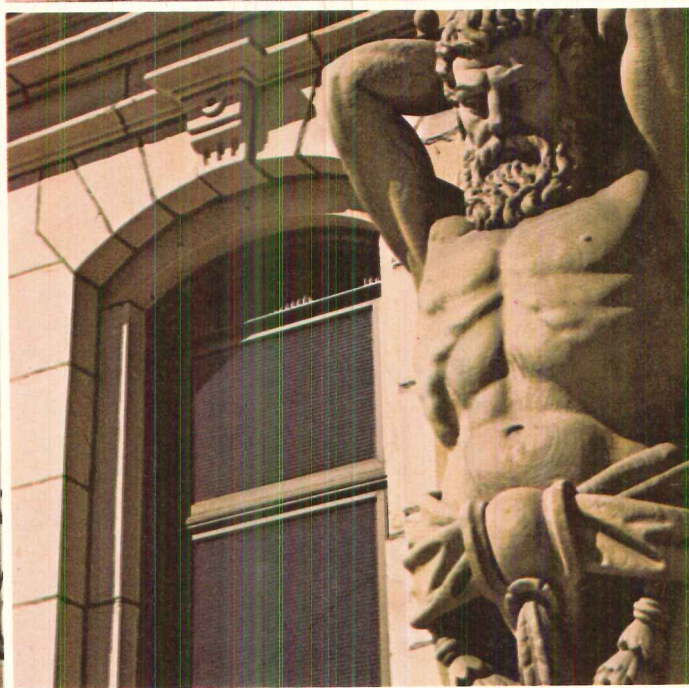
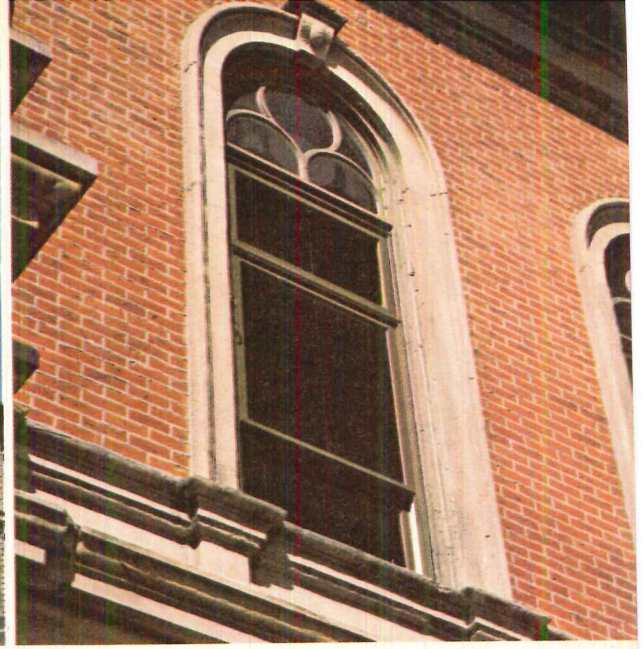
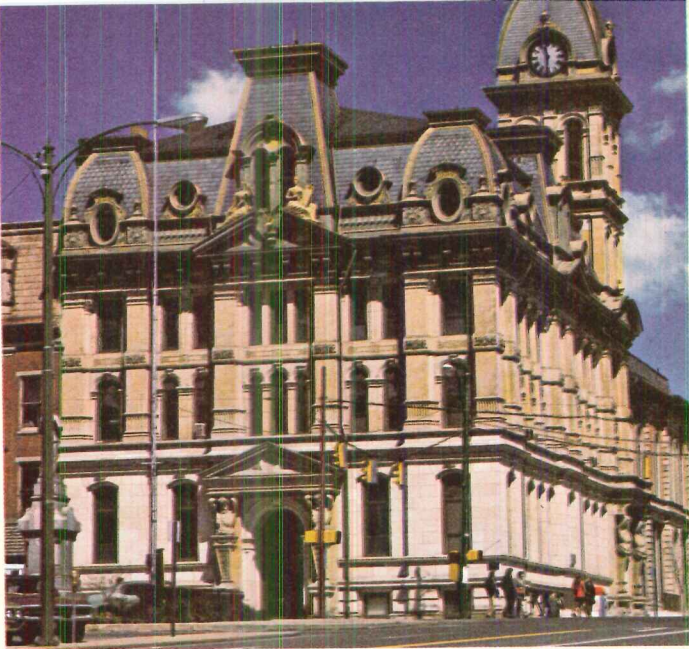
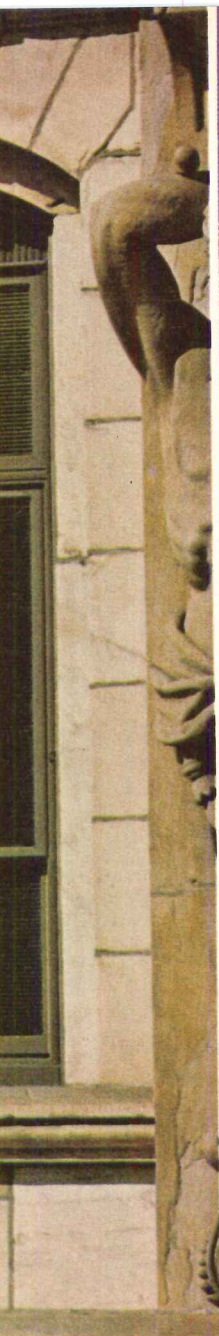
The removable inside storm panel in our optional Double Glazing System gives you a number of other valuable options. Like using our Slimshade® (b) to control sunlight, privacy and solar heat gain and loss. Housed between the panes, this full adjustable blind remains virtually dust-free. The Double



(b)

Glazing System also accommodates our snap-in muntins and privacy panels. But mere flexibility is not its only saving grace. The 13/16" air space between the panes does a better job of insulating than ordinary welded insulating glass. And at a lower cost per window.

This Pella Clad window system combines modern convenience with traditional values, in the recently restored Wayne County Courthouse.



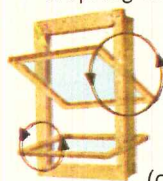
side, an acrylic coated aluminum finish that reduces maintenance without reducing your choice of colors.

With the Pella Clad window system, all exterior wood surfaces are sealed off from the weather and other atmospheric pollutants by an acrylic coated aluminum skin. An outside finish that has earned its reputation for durability. And one finish is available on our Contemporary and Traditional Double-Hung, Casement, Awning, Fixed and Trapezoidal Windows, Pella Clad Frames, and Pella Sliding Glass Doors. In Dark Bronze, Dark Brown, White (c) and eight special colors. With sizes in each to accommodate a wide variety of design and building requirements.

(c)

Afterward, the ease and economy of washing the outside of a ventilating window from the inside.

Window cleaning is another maintenance factor which deserves consideration. And Pella Windows have something to offer in this area also. All of our ventilating units can be cleaned, easily, from the inside. The Pella Double-Hung Window has a spring-loaded, vinyl jamb liner which allows the sash to pivot fully. And because each sash pivots at its center point (d), the weight of the sash is counterbalanced. Which makes the job just that much easier. Reglazing can also be accomplished from the inside, along with sash removal. And the same thing is true of our casement and awning windows.



(d)



For more detailed information, send for your free copy of our 6-page, full-color brochure on Pella Windows in Renovation. See us in Sweet's Architectural File. Call Sweet's BUY-LINE number or look in the Yellow Pages, under "windows", for the phone number of your Pella Distributor.



Please send me your 6-page brochure on Pella Windows in Renovation. I am specifically interested in: Double-Hung Windows, Casement Windows, Awning Windows, Sliding Glass Doors, Wood Folding Doors.

Name _____

Firm _____

Address _____

City _____ State _____ ZIP _____

Telephone _____

Mail to: Pella Windows & Doors, Dept. T30E6 100 Main St., Pella, Iowa 50219.
Also Available Throughout Canada This coupon answered within 24 hours.

For more data, circle 30 on inquiry card



Give them the fireplace they want most

Consumer research studies show four important factors that you should be aware of when designing and building new homes. □ First, the most wanted new home feature, after kitchen essentials and carpeting, is a wood-burning fireplace. Most buyers surveyed listed the fireplace ahead of other features such as central air conditioning and garbage disposals. □ Second, Heatilator Fireplace stands out as the most preferred brand name among new home buyers and remodelers alike. □ Third, the Heatilator Fireplace costs less to buy and install than masonry. □ Fourth, the Heatilator Fireplace weighs less than masonry fireplaces and requires no footings or blocks. Its compact design means it will fit almost anyplace, minimizing costly structural considerations. To meet the demands of today's home buyers, yet remain profitable, design and build Heatilator Fireplaces into your homes.

For information, call toll-free, (800) 553-8905 (Iowa residents call collect (319) 385-8880), or write: Heatilator Fireplace, a Division of Vega Industries, Inc., 1996 W. Saunders, Mt. Pleasant, Iowa 52641. (Also manufactured in Canada.) Also see catalog in Sweet's Files.

"... I like the way it fits anyplace."

"and at 1/3 the cost of masonry."



heatilator[®]
AMERICA'S LEADING FIREPLACE SYSTEMS

An open and shut case



the Terrace Garden Inn
Atlanta, Ga.



Mastin Associates, Inc.
Architects

...of safety, security, and style.

Nobody likes a door that fights back, causes injuries, or is just plain hard to open. So Amarlite developed Safetyline doors—specially designed to eliminate common risks involved in doorway traffic.

A cylindrical hinge stile and a cushioned lock stile prevent pinched or broken fingers from swinging doors. Radiused corners on the lock and hinge jambs minimize accidents caused by sharp edges, and recessed cylinders prevent bumping and snagging.

Contoured, smooth push/pull bars on the Safetyline Standard are located in a position that allows you to back through the door easily when your arms are full—without being gouged in the back.

Designed for people of average height, the Standard's push/pull bars can be re-located, or a second set may be added for "little people." A 7½" bottom rail is available on a custom basis to meet wheelchair codes and specifications.

Safetyline doors are as hard to get through when they're locked as they are

easy to enter when opened. The lock cylinder encased in the push/pull hardware is set flush, thereby discouraging tampering. Two-point locks on all door leaves and nylon-encased hardened steel locking rods with a ⅞" throw give added security. A sliding armored guard shields the set screws in the lock cylinder, making them inaccessible when the door is locked.

But Safetyline isn't just brains; it's beauty, too. Three models and a range of options are available to give you complete aesthetic and technical flexibility.

From courthouses and schools to restaurants and hotels, the evidence is conclusive. Safetyline is making a name for itself—in safety, security, and style.

Check 8.1/An in Sweet's

Going places together with

AMARLITE®

Main Office: P.O. Box 1719, Atlanta, Georgia 30301—Phone: (404) 691-5750

ANACONDA  **Aluminum
Division**

Call or write for more information.

For more data, circle 32 on inquiry card

The most beautiful thing you can do for wood.



Architect: Ronald E. Thompson A.I.A.

Olympic Stain.

Nothing you can use enhances and protects the natural appearance of wood more beautifully than Olympic Stain.

That's why it's specified by more architects than any other stain. With Olympic Stain you can depend on lasting protection against cracking, peeling or blistering. It's economical, too, because Olympic Stain requires no priming.



For detailed information about oil or latex stains, consult the 1976 Sweet's Catalog, call their BUYLINE or for samples on wood, write us on your letterhead.



OLYMPIC[®]

Olympic Stain.
A division of COMERCO, INC. 
Dept. S, 1148 N.W. Leary Way,
Seattle, WA 98107 (206) 789-1000

For more data, circle 33 on inquiry card

RECORD HOUSES OF 1976

The owners of houses like those in this issue are special people. Their numbers alone make them special for they belong to a still small but growing number of Americans who have decided to build instead of buy.

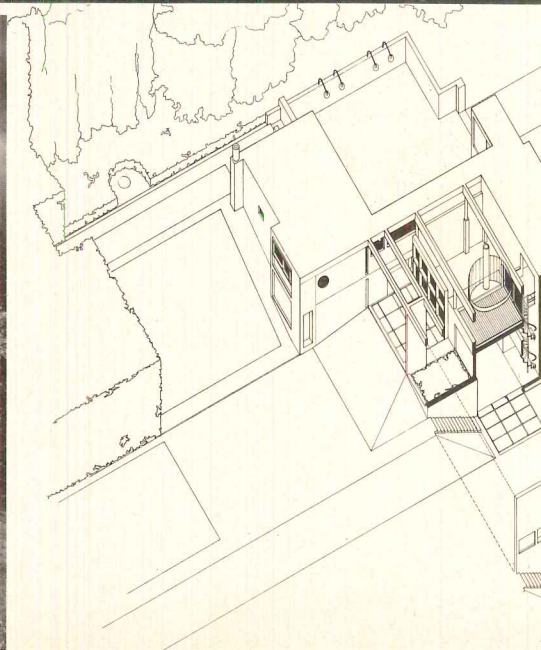
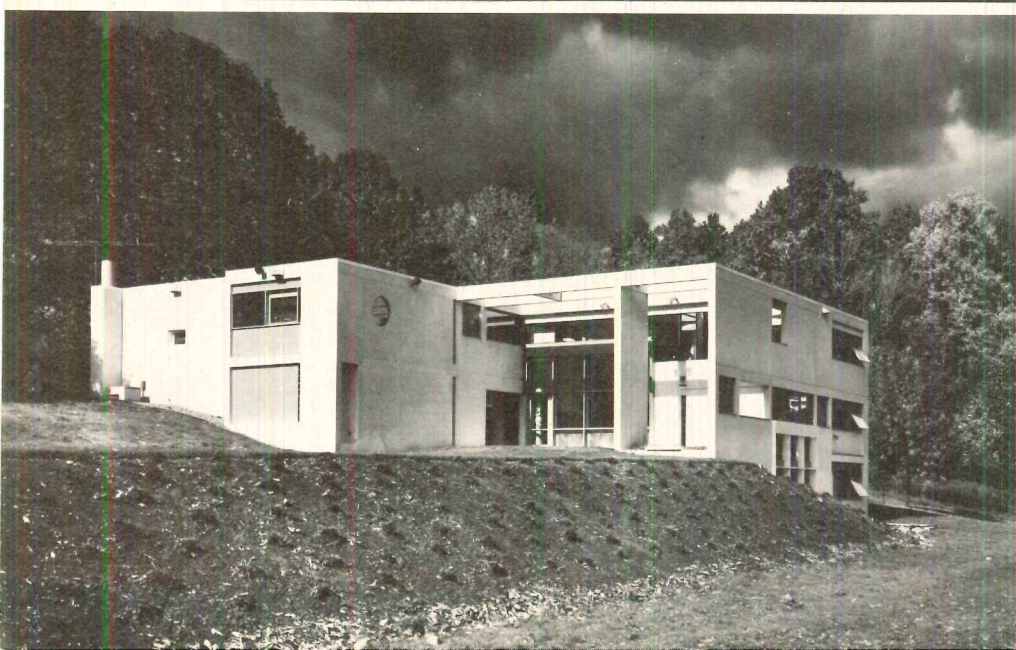
Who are they? Beyond the crude research that has fixed their average age, family size and median incomes, they tend to be people educated in the humanities or the arts. Many enjoy successful careers in business or the professions and are, therefore, people accustomed to shaping and ordering their own lives to an unusual extent. Some of them, it might be added, chafe just a little within limits set by others.

To most of them, the idea of "home" or "their own place" has high priority—higher, for instance, than travel or similar activities that might otherwise absorb their interest, energy and income. They are apt to be generous in their social instincts, enjoy entertaining, and are actively engaged in the affairs of the communities in which they have built. And, yes, there is probably just a little of the Egyptian in most of them who, when they build, give expression to an urge that goes straight back to the Pharaohs—or even earlier.

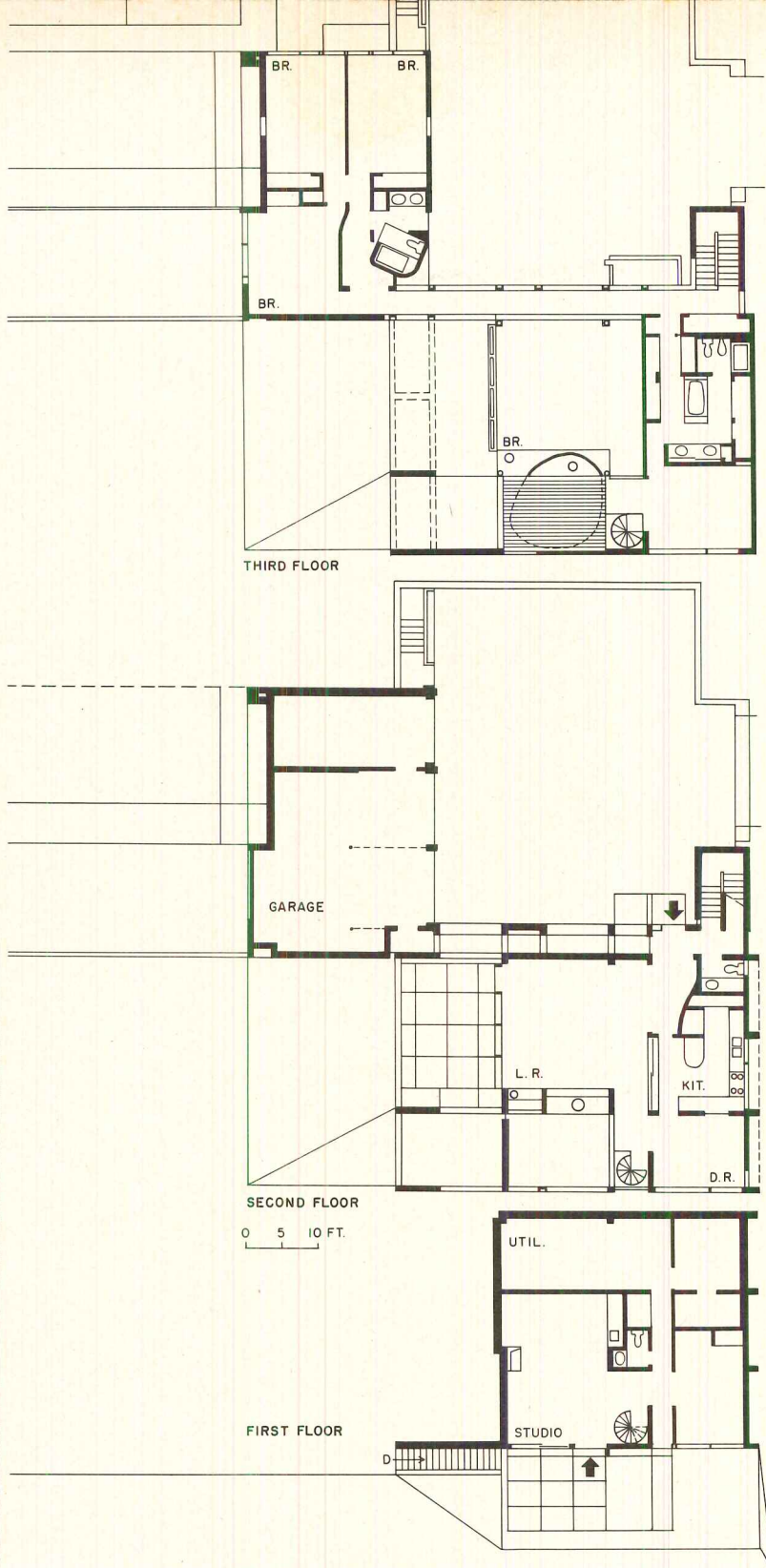
They are not necessarily members of the plutocracy. For some it may be the single great wish-fulfillment of their lives and they are willing to risk a good deal to get the quality housing they want—and that the gifted architect can provide.

Some came to their architects with pieces of unimproved property they already owned and to which they were deeply attached. For these there was no real alternative but to build. Others, however, came only after scouring the market of builder houses and old Victorians and—finding nothing suitable—build as "a last resort." Either way, they opted for a quality and degree of personalization only achievable when the architect and client join together in an extraordinary act of self-expression.

Who are these owners? They are special people who strive to see beyond the foreground of what *is* toward the horizon of what *might be*. RECORD is pleased to be able to publish their visions of what *might be* and to recognize their accomplishments—and their architects' accomplishments—with design award certificates.—*Barclay Gordon*



**CHIMACOFF/PETERSON:
NEW PROGRAM AND A
VERY DIFFERENT SITE
FOR AN EARLIER CLIENT**



The Peter Lowensteins are a couple who built their second house first. The earlier residence, a Montauk vacation house and a RECORD HOUSE of 1973, was designed by the same architects. The house shown here is a year-round residence in Morristown, New Jersey, but since the two houses are for the same owner and share several conceptual roots, comparison is interesting. Both houses, for instance, are discrete elements in the landscape, not intended to blend—either in form or in material—with their sites. In each, the outside walls, often expressed as screens, extend out beyond enclosure into the site. And in both houses, the usable outdoor areas are integral to the spatial development of the houses. Here, the entrance courtyard, which serves as a foyer for the whole house, links directly to the main entry or, less directly, to the lawn and private garden beyond. The house is not “frontal,” offering instead a variety of elevations to the various parts of the site.

The spaces inside are exceptionally orderly. The living room (overleaf) is a beautifully organized, double-height volume that opens to an inviting terrace. The fireplace, sitting in a little building of its own, artfully expresses the “box-within-the-box-within-the-box” theme. Beyond the fireplace enclosure is the upper portion of a small study, and above that a roof deck that admits light through a free-curve opening overhead.

This very expressive and elegant house is built in load-bearing concrete block with four steel-pipe columns in the living room. The first floor is finished in slate, the second is carpeted.

All levels of this three-story house have direct access to grade owing to carefully planned, built-up site contours.



Architects: Chimacoff/Peterson
134 Nassau Street
Princeton, New Jersey
Owners: Mr. & Mrs. Peter Lowenstein
Location: Morristown, New Jersey
Engineers:
Weiner and Thaler (structural)
Phillip Fritz & Sons (mechanical)
Contractor: Maw and McKinnel
Photographer: Norman McGrath

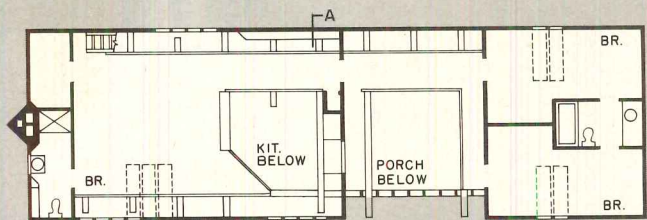




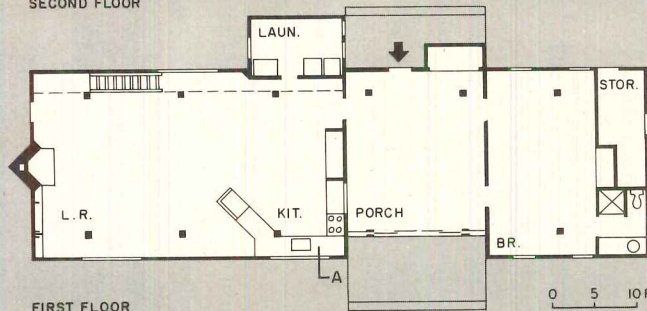
The clearest suggestion of the spatial organization of the Lowenstein house is apparent in the photo below. The spiral stair descends to the lower level where it meets grade on the downhill site. The upper level contains master bedroom and bath (photos above and left).







SECOND FLOOR



FIRST FLOOR

Given the client's request for heavy timber framing, the architect suggested this architectural anachronism be placed in quotes, so to speak. Prominently exhibited, the oak 10 x 10s actually support the second floor, but the exterior walls of the house are conventional framing, with the rafters—sawn from 3x12s—two feet on center, tied in pairs by tension rods. The house is shingled in white cedar, and interior flooring is tongue-and-groove fir.



"We can extrude almost anything now," says architect Louis Mackall. "People are surrounded by objects, which are there only because people can afford them; eventually they realize that the whole environment is foreign to them, that they have no personal attachment to anything. That's why so many people are turning to handcraft . . . making things for themselves, or having things made for them."

Mackall built many of the parts of the Wierdsma house himself in his Connecticut shop: skylights, cabinets, doors, screen doors, the stairs—anything that could be conveniently carried in a moving van. "I go on forever making stuff for the house," he says as he eats one or two of the drawers in the kitchen. Feeling a slight hesitation in the glide, he goes out to find a plane.

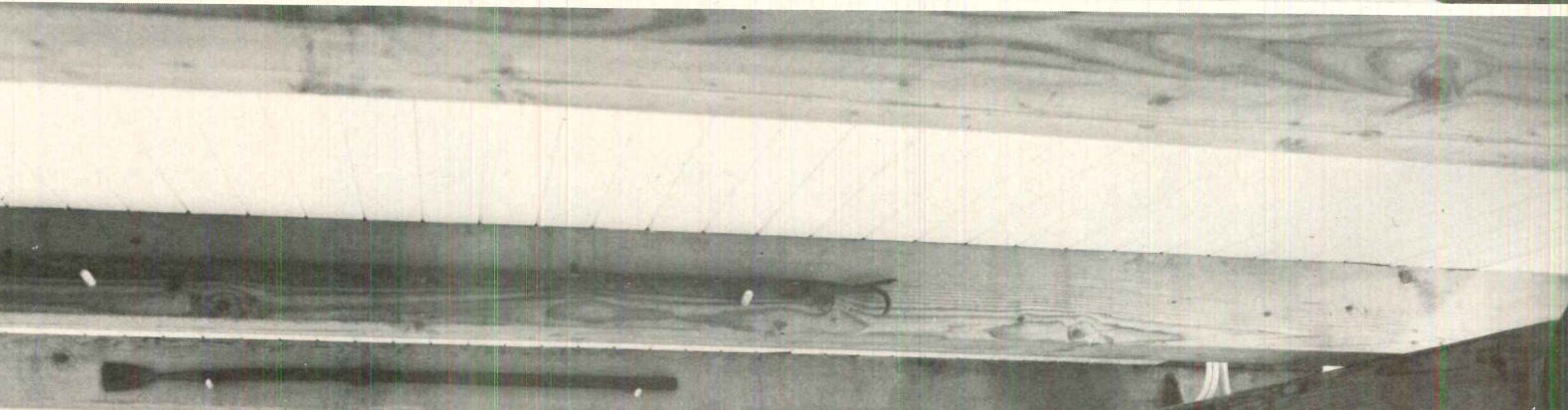
The house crosses the street at the head of a long driveway stretching out of Pulpis Bay from the town of Nantucket. Its silvery bowed roof, it resembles a weathered log, ax-cut over the center for a tall, interior skylight and notched toward the ends.

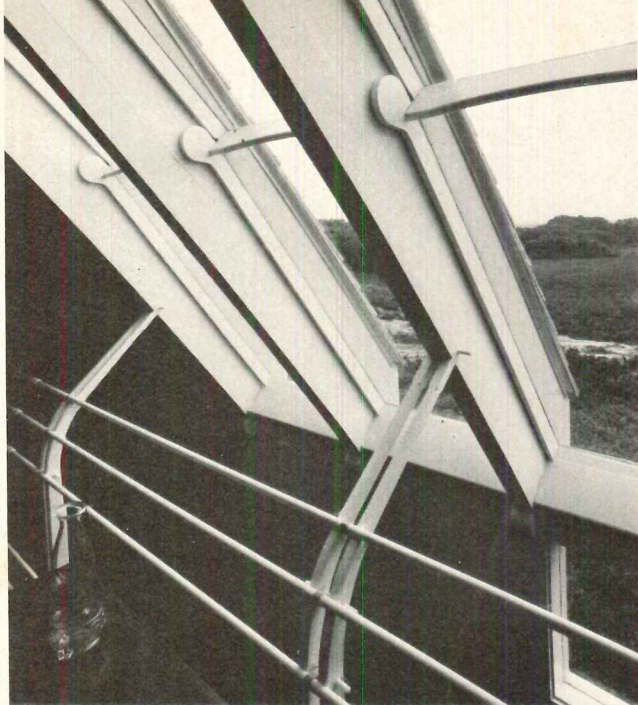
Beneath the master bedroom, in the upper right, a low ceiling opens over the giant beams, making a more intimate family room. Whaling artifacts hang on the columns and beams. In front of the tall fireplace, the children hash out a game of Monopoly. "I hope all this wood, this handcraft will be an important part of the kids' childhood and their collections," Mackall says. "It makes a difference."

—Robert Perron

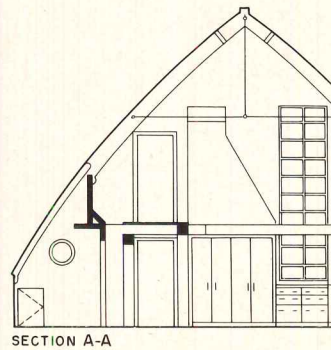


Architect: Louis Mackall
1079 Rt. 80 RD2
Guilford, Connecticut
Owners: Mr. and Mrs. John Wierdsma
Location: Nantucket, Massachusetts
Contractor: Ron DaSilva
Photographer: Robert Perron

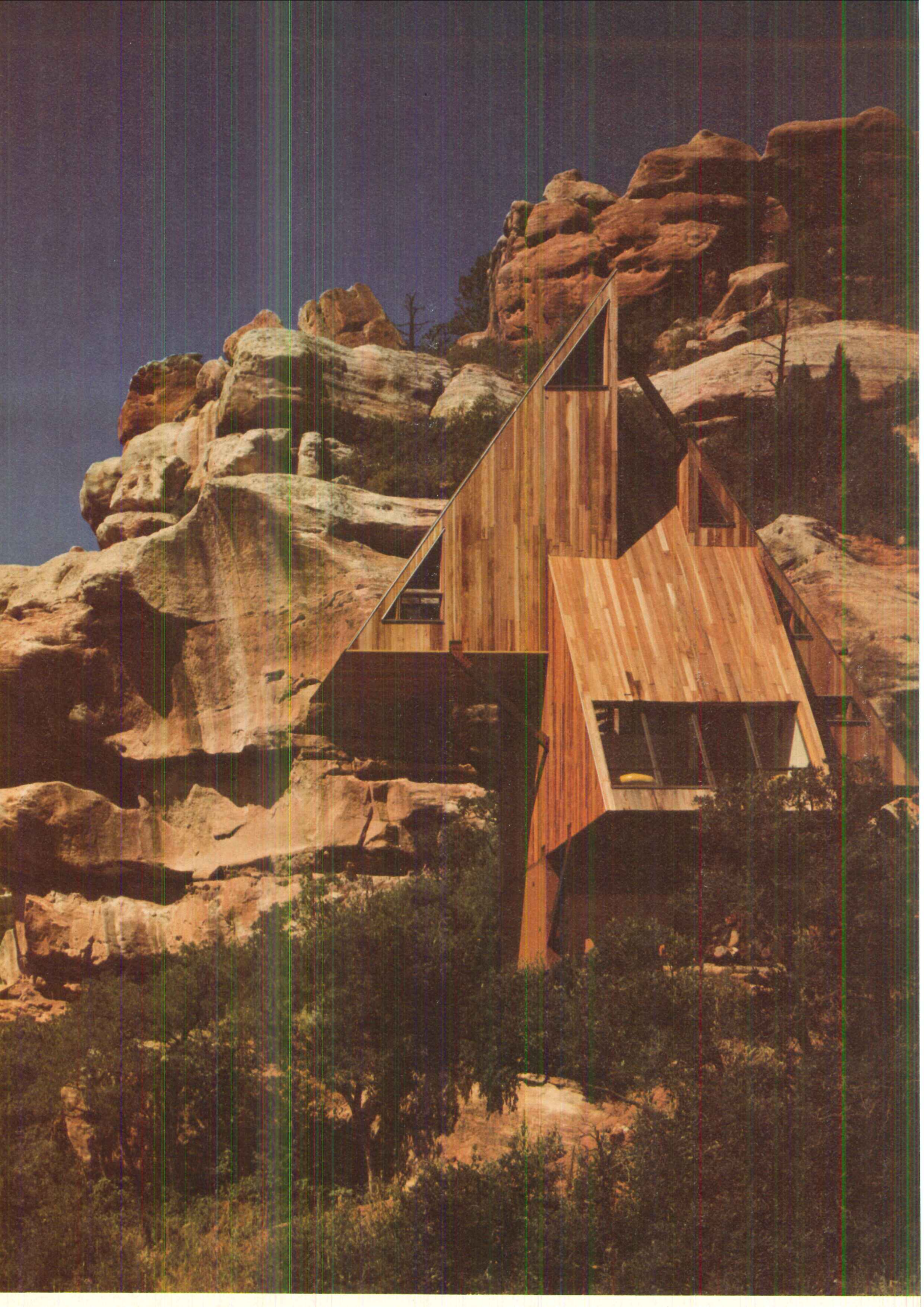




The ten-by-ten oak network pierces the walls, enhancing the sense of wood enclosure in the two-story kitchen, left, which is finished in teak: teak-faced counters and drawers with brass inlay on either side of the range. A brass oval inlay in the counter is provided for setting down hot skillets. The round table for six is in teak segments with a segmented center round inlay section, and a brass inlay in its center. A barber's chair pedestal supports the table, allowing height variation to accommodate adults or the younger Wierdsmas. The table floats up to the balcony, raised in by white electrical conduit that serves also to light the area above and below with brass reflector floods. The skylight photo upper left, follows a bowed roof with sheets of glass stepping down; the joints are ship-lapped. Each tread of the living room stair-ladder, above, is a version of the inverted knee post truss in tension. The chair ladder, upper right, was designed by the architect and built by the owner, John Wierdsma. Three oak crosspieces stiffen the pine doors, right, and the middle crosspiece, shown, includes hardware. To open, pull on the wood tongue.



SECTION A-A





LONG ISLAND HOUSE
BY ALFREDO DE VIDO:
A STUDY IN TEXTURES
AND PLANAR FORMS

The site is a steep hill overlooking Long Island Sound. To reach the house, visitors approach up a mile-long driveway through fruit orchards and arrive under a portecochère that spans between the front door and the greenhouse (photo above).

The main entry opens to a generously proportioned hall that, extending upward the full height of the house, reveals its basic volumetric expression (photo overleaf). Dining room, living room, and guest room flow out from this central ground floor space. On the level above are four bedrooms, each carpeted and each with a handsome view.

The principal finish materials

are stone (found on the site) and cypress boards on the exterior: oak strip for interior walls and slate for floors on the grade. The roofing is built-up. Designed to function comfortably without air-conditioning, the house is heated with hot water. Baseboard convectors of conventional design are used throughout.

To an unusual extent, the house was owner-built. Though the various trades were present on the site, the owner and his family put generous amounts of their own time and energy into construction—doing a little of everything as a labor of love from the beginning and for the five years it took to complete.

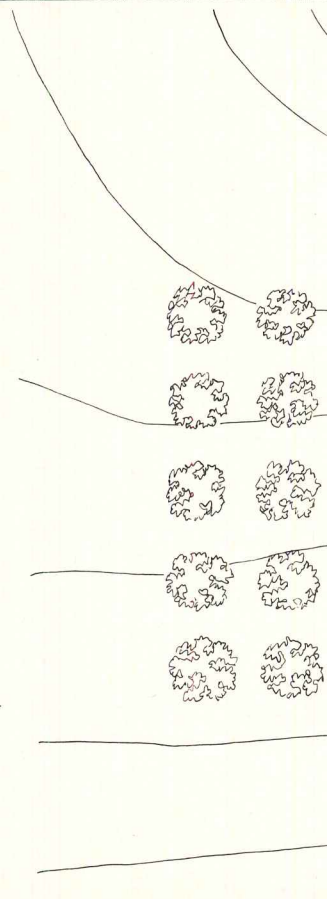
The massing and play of materials give the elevations a liveliness characteristic of De Vido's work. The greenhouse, for instance, crystalline against a background of stone, reaches out in a low horizontal thrust to anchor what might otherwise be an un-

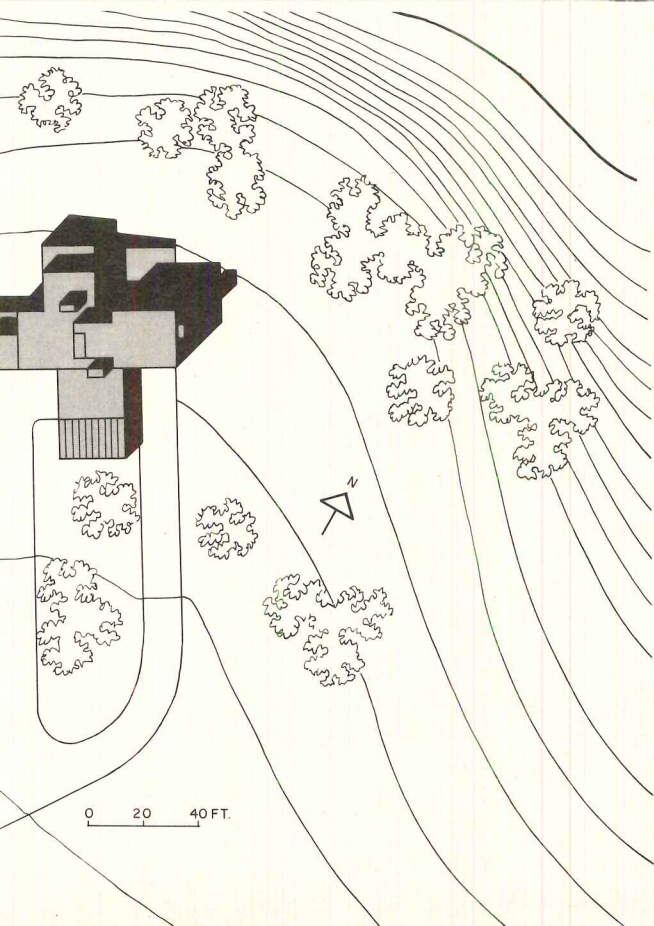
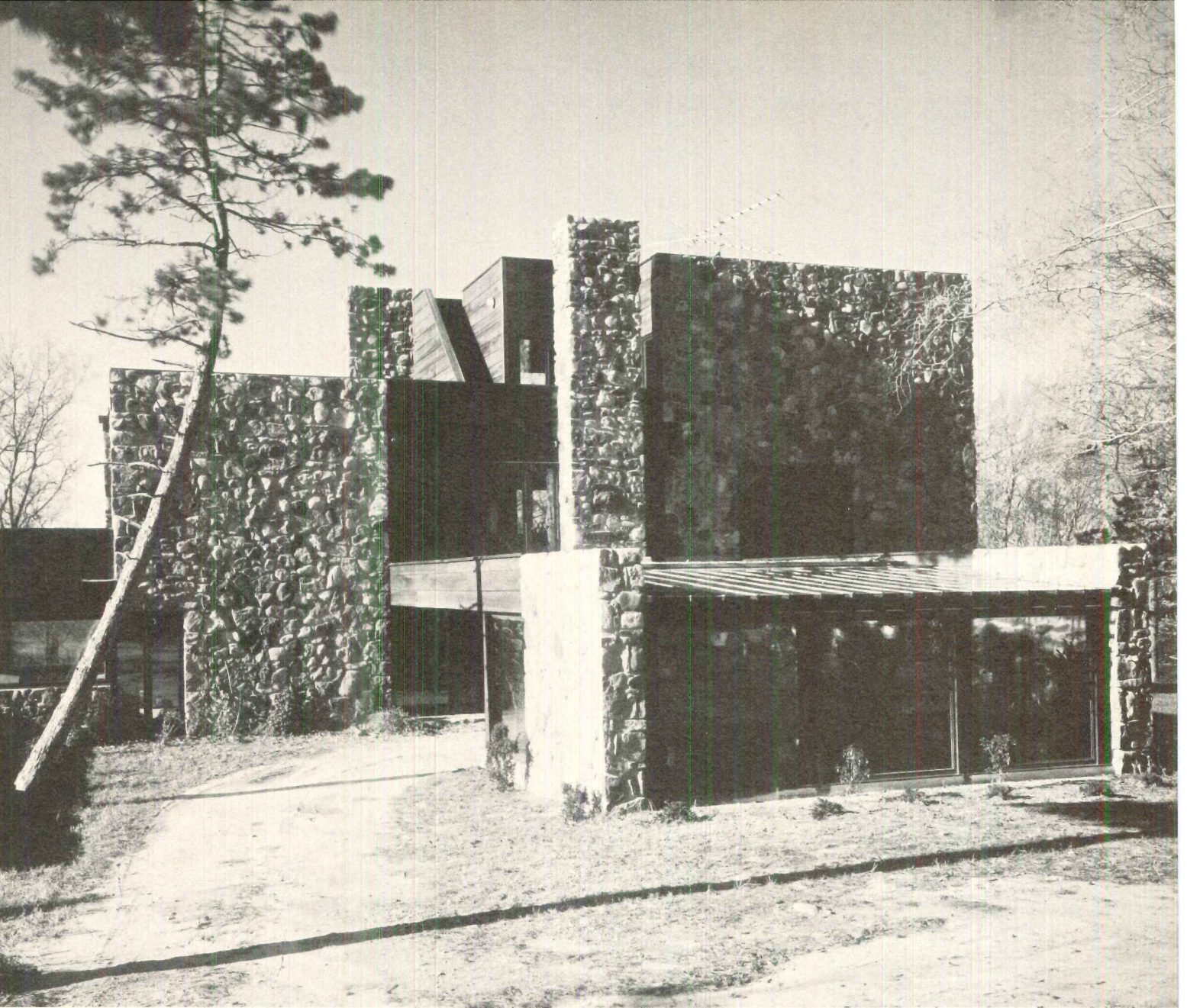
comfortably tall composition in stone. Long, low walls on two other elevations have much the same function as they extend out to form partial enclosures for outdoor spaces that face the several views.

The play of stone and wood continues in the interiors producing an alternating series of soft and hard textures. The interior spaces are rather colorful and richly appointed with oriental rugs and furniture pieces—many of which, like the Barcelona chairs, are classics of contemporary design.

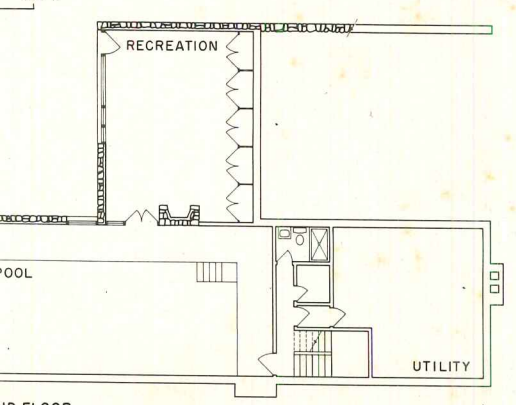
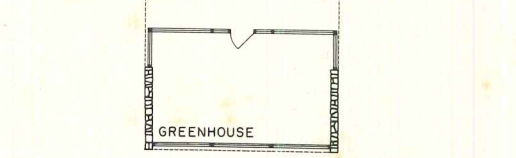
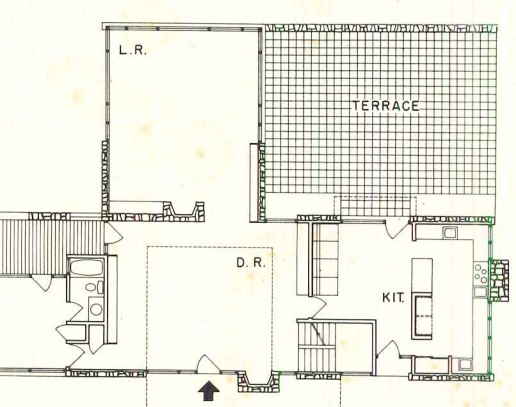
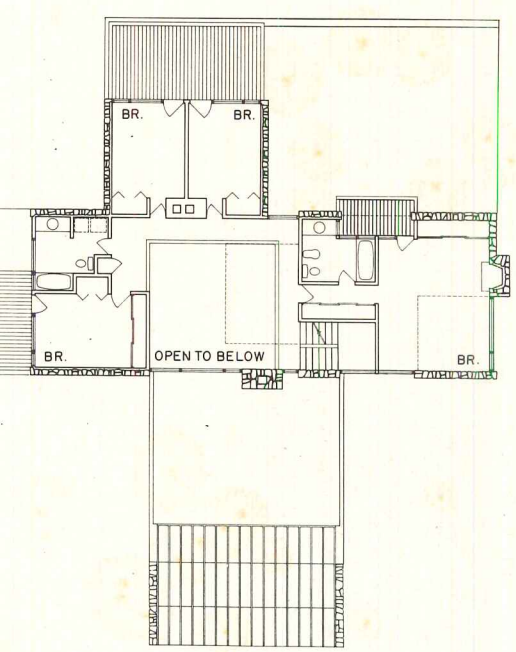
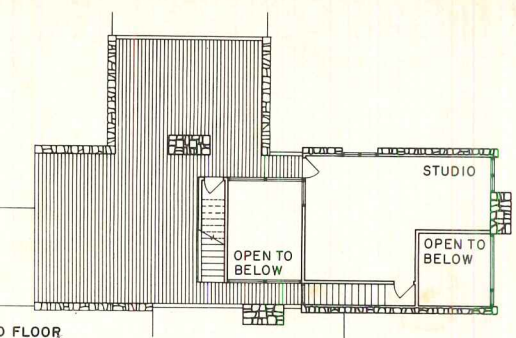


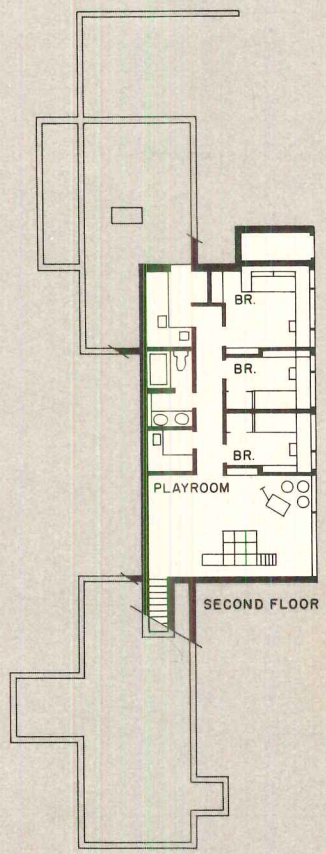
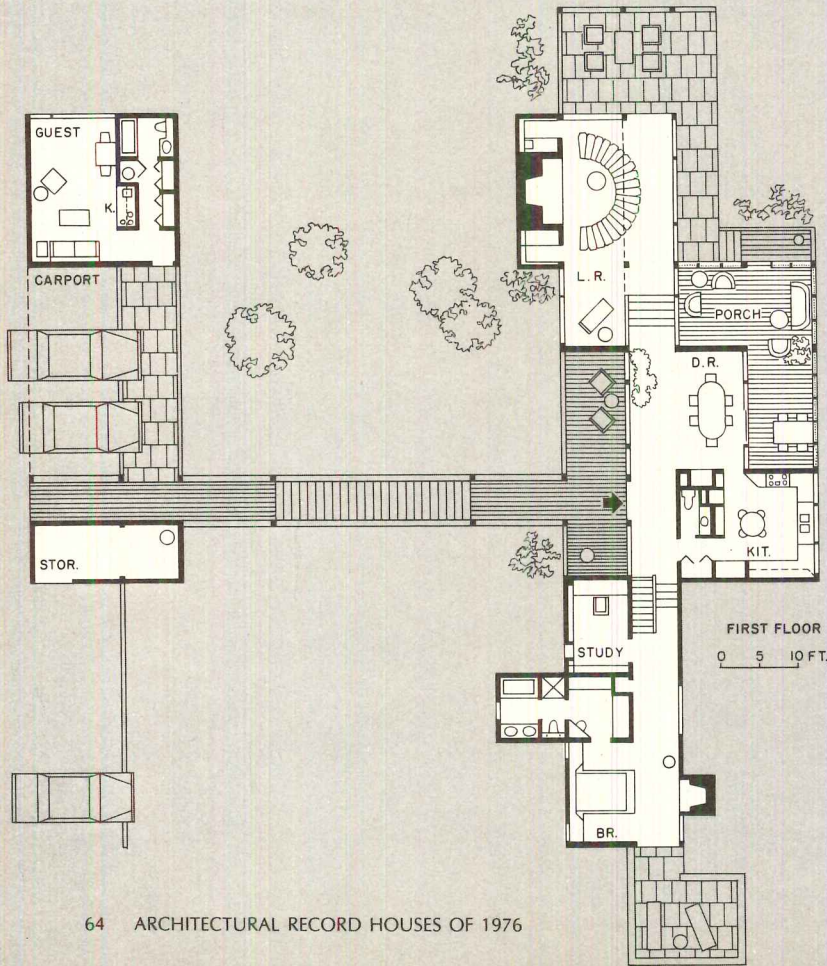
Architect: Alfredo De Vido
 27 West 53rd Street
 New York, New York
Private residence
Location: Long Island, New York
Engineer: Charles Thornton (structural)
Photographer: Ernest Silva











The covered stair, linking the garage with the house, is a dramatic, active element poised between two static elements.

The living room, which appears in plan to be a spatial incident along the route between patios, is actually a more complex space. Not only does it have built-in enclosures for bar and hi-fi; it has access to—and shares space with—a screened porch facing the stream.

MASSACHUSETTS HOUSE

BY SMITH/YAUCH

SKILLFULLY ZONED

FOR INTERNAL PRIVACY

Stepping down the north slope of a Massachusetts hillside—a hillside dominated by groves of birch and a stream at its base—this carefully tailored vacation house was designed for a young couple with two pre-school-age children. To use the slope effectively required a substantial system of retaining walls, which extend beyond the house east and west to embrace small outdoor patios. These extensions, together with the structures on the upper level, anchor the design securely in three directions and, from every vantage point, make the house seem larger than it actually is.

The long, linear plan of the house implies a horizontal zoning, which the architects achieved simply by introducing sliding doors at points along the gallery that make it possible to close off one or more areas of the house when not in use. Vertical zoning separates the parents' level from the children's level below. A guest room, with private kitchenette, is located next to the carport on the upper level offering guests an unusual—and sometimes welcome—degree of seclusion.

The framing is a modified post-and-beam system with 3-inch fir roof decking spanning the nine feet between beams. The exterior walls are cedar boards stained to a gray-white, interior partitions are 5/8-inch plaster-board. Operable windows are casement or awning and all openings are double-glazed. Generous openings on the south side of the house assure sunlight in the interiors at all times of day and at all seasons.

The areas around the house are seeded with grass, a decision that leaves little ambiguity between what is natural and what is designed. As the site is thickly wooded and had little in the way of view, the owners are opening a vista down to the stream that will be dammed to form a small pond. The remainder of the property will remain untouched.



Architects:

Melvin Smith/Noel Yauch
157 State Street
Brooklyn, New York

Private residence

Location: Northern Massachusetts

Engineers:

Antony Vairamides (structural)
Lehr Associates (mechanical)
George Maynard (site)

Landscape architect: Matthew Tomich

Contractor: Gordon Houldesworth

Photographer: David Hirsch





PRIVATE
RESIDENCE BY
MELVIN SMITH/NOEL YAUCH



Though the house is designed for heavy use in the summer time, only the master bedroom suite is air-conditioned. Breezes (with adequate cross-ventilation) do the rest.

The long gallery, pictured on the opposite page, provides large areas for wall display. Because it is open at both ends and includes a substantial change in level, the gallery is spatially lively along its full length.





**PAUL RUDOLPH'S
DRAMATIC DESIGN
FOR A SITE FACING
LONG ISLAND SOUND**

This extraordinary house—perhaps the most visually arresting residence that Rudolph has completed to date—is designed for a family with two grown sons and a daughter. The house rises from a gently-contoured waterfront site rich in tree cover and low growth.

The basic building element is a wood frame, cut and bolted into a seven-sided figure with rigid side walls set back from the edges of the frame. The enclosure that these elements create is double-cantilevered from heavy wood

posts built up of 2- by 12-inch members. The more heavily-textured surface, used extensively both inside and out, is plywood with lath and a cementitious binder applied. Into this binder, while still wet, pebbles were set by trowel. The two materials are played against each other with virtuosity to create a planar/linear composition of unusual force. Like the Burroughs-Wellcome Headquarters (RECORD, June 1972) to which it bears a kinship both in forms and materials—and which was designed at about the same time—this house explores a rich variety of diagonal relationships. In, up, around and through, the space flows easily and almost without interruption.

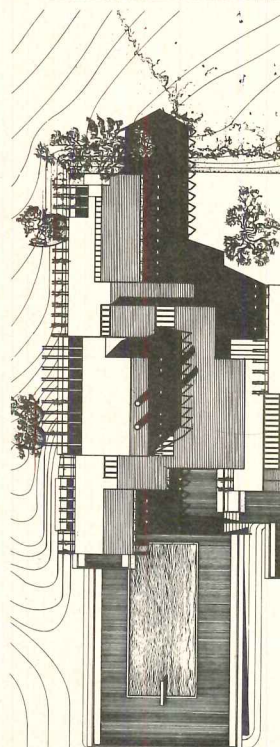
Dramatic and sculptural in its intent? Certainly. Indulgent in its

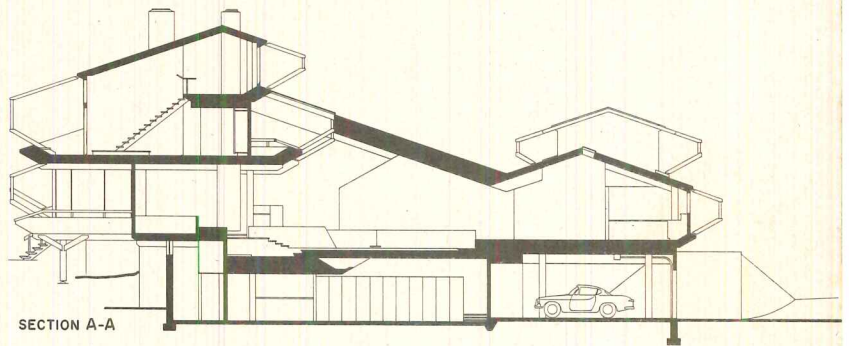
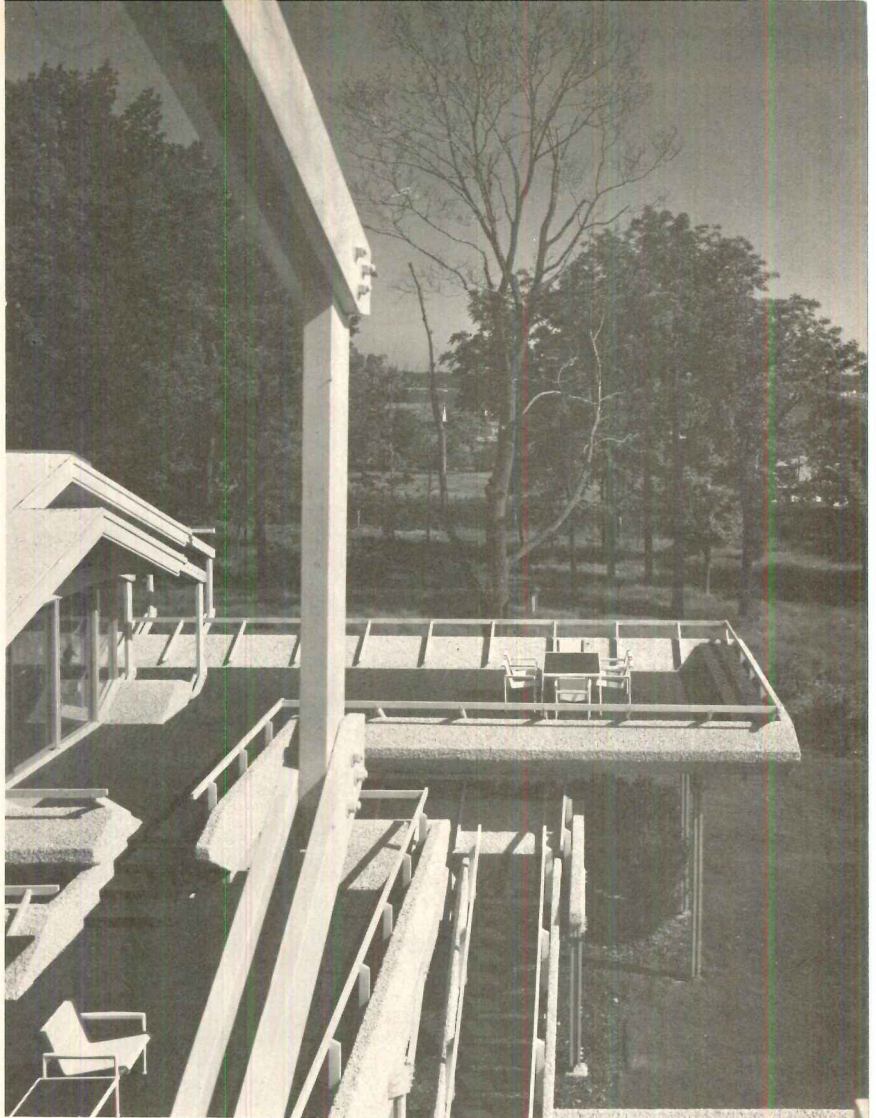
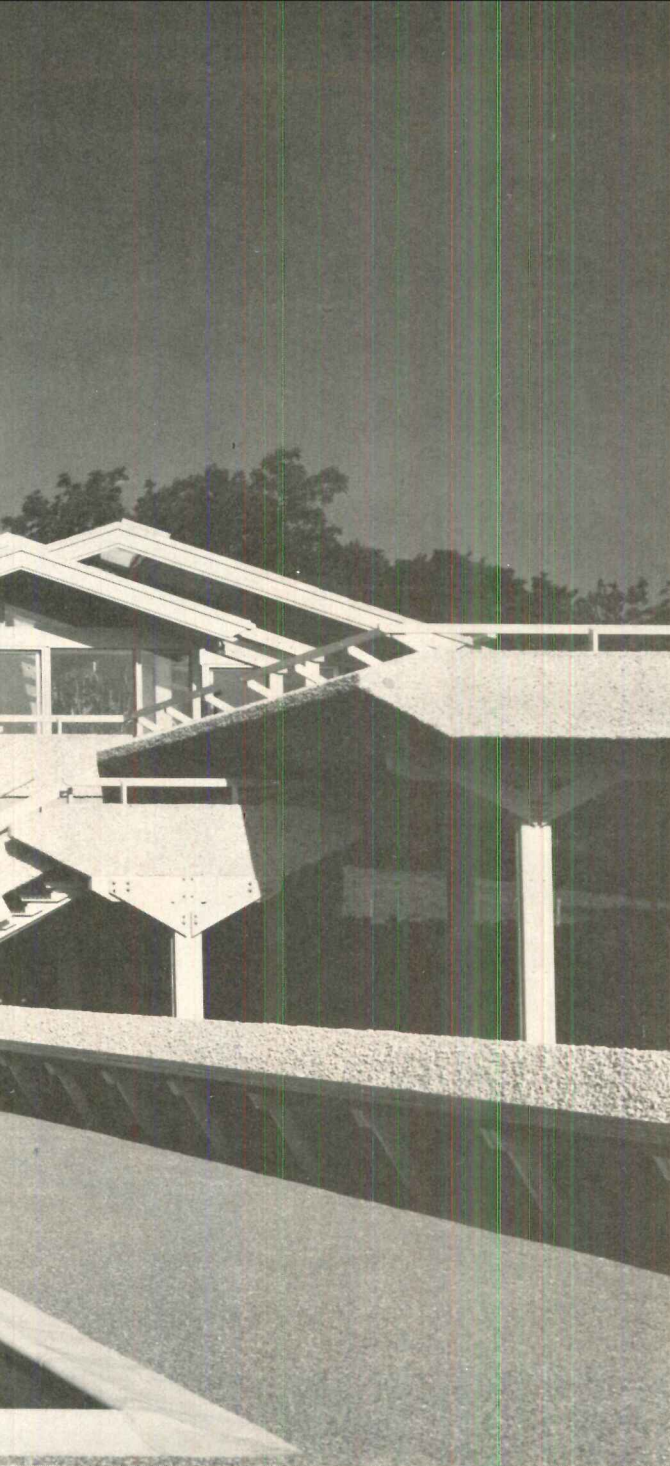
use of materials? Decidedly. Fer-
vently. But accepted on its own
terms, it is a magnificent construction, intuitive in its logic and full of ideas carried to a degree of development and elaboration not normally within the reach of residential designers.

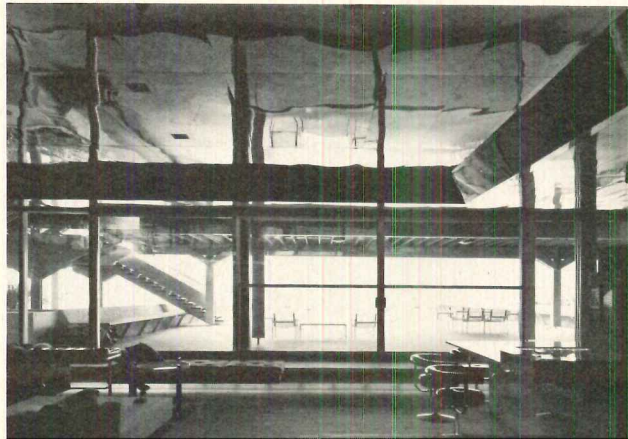
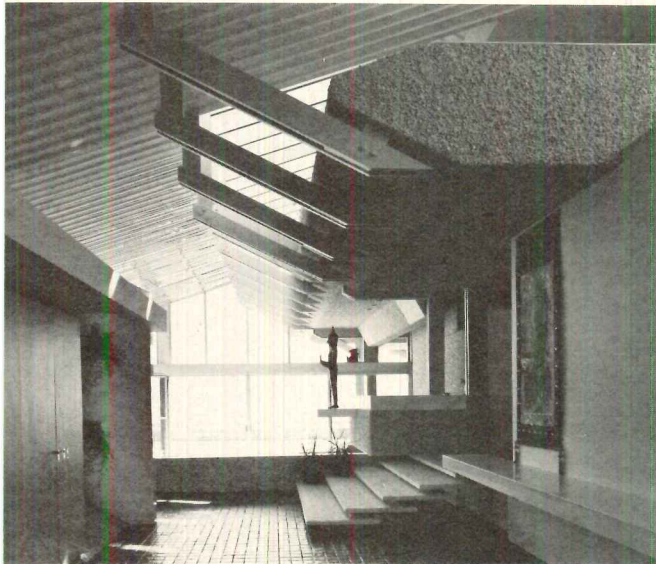
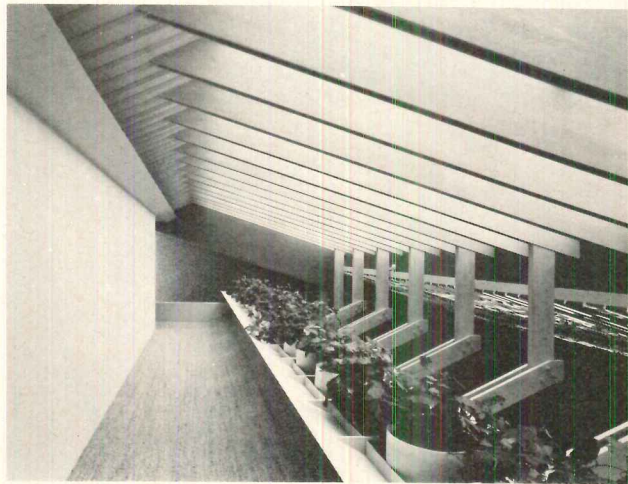
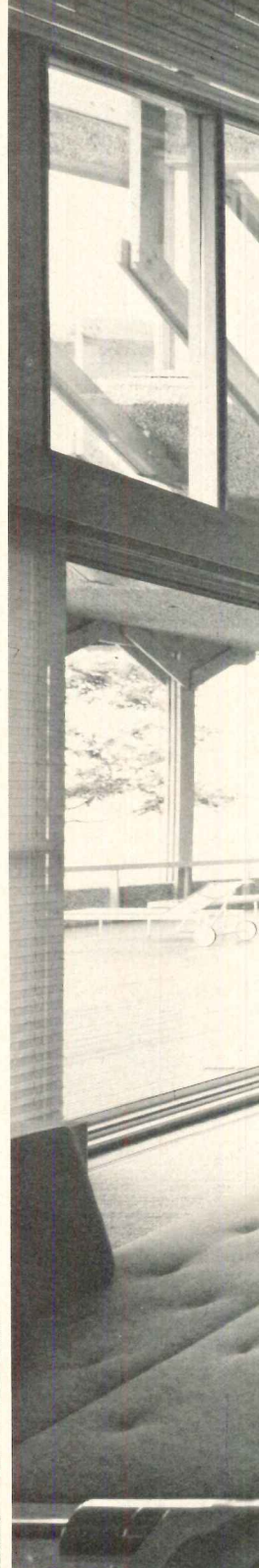
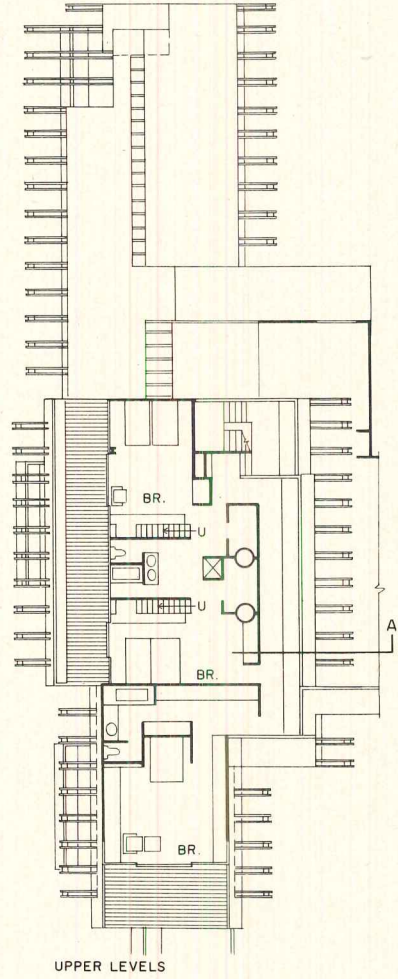
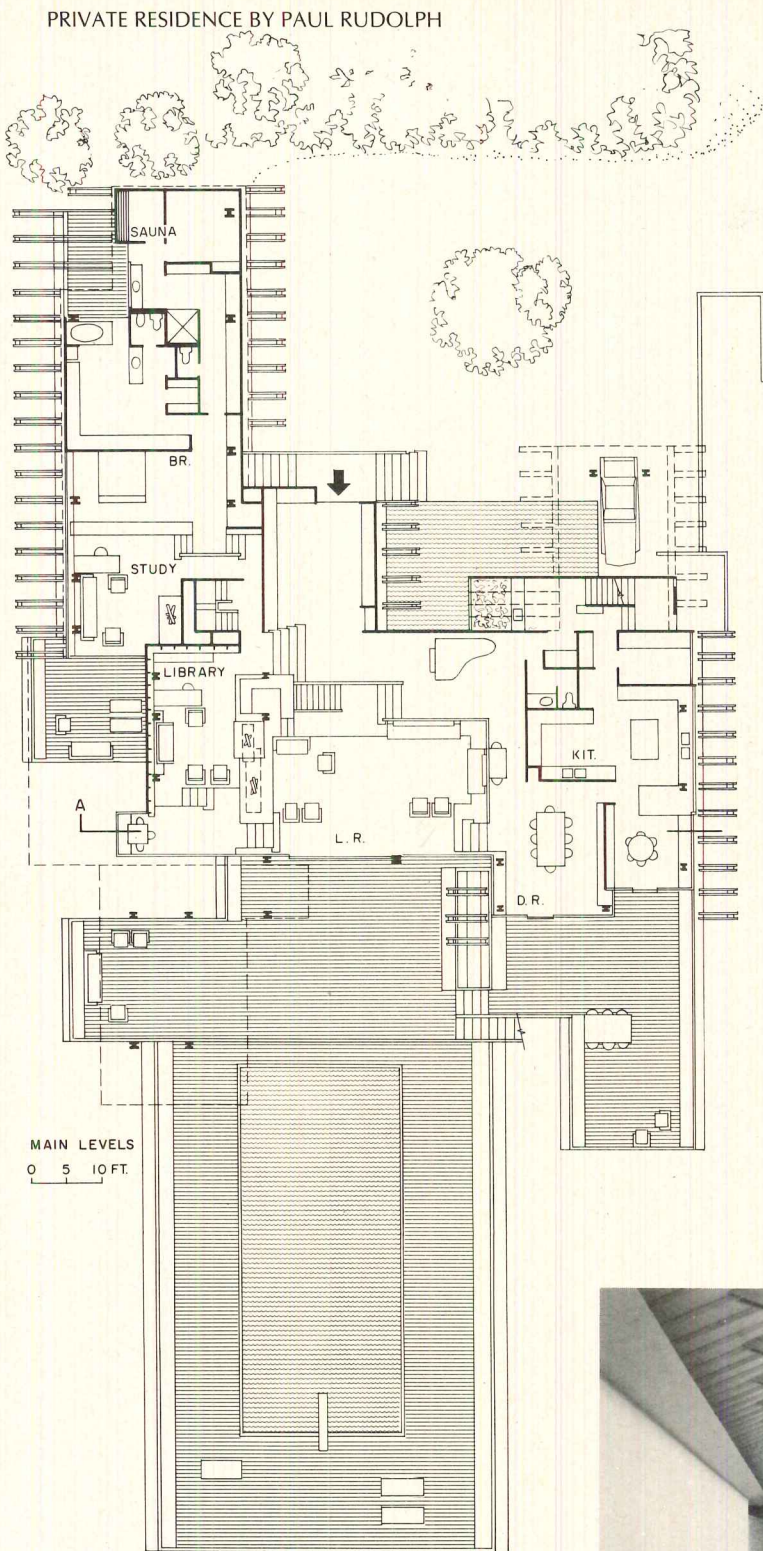


Architect: Paul Rudolph
project architects:
John Harding
Donald Luckenbill
54 West 57th Street
New York, New York

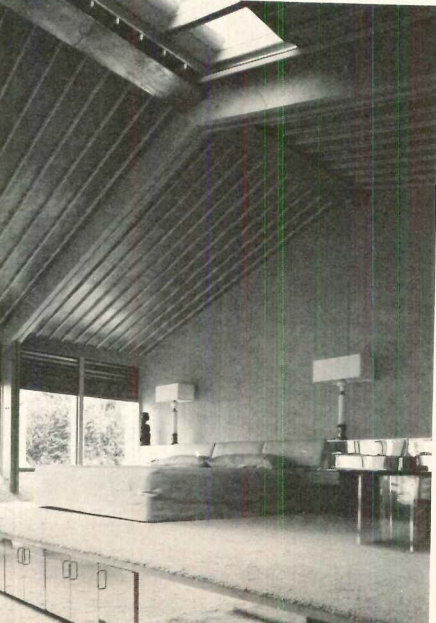
Private residence
Location: New York State
Engineers: Paul Gugliotta (structural)
Contractor: Anderson Brothers
Construction
Photographer: Y. Futigawa

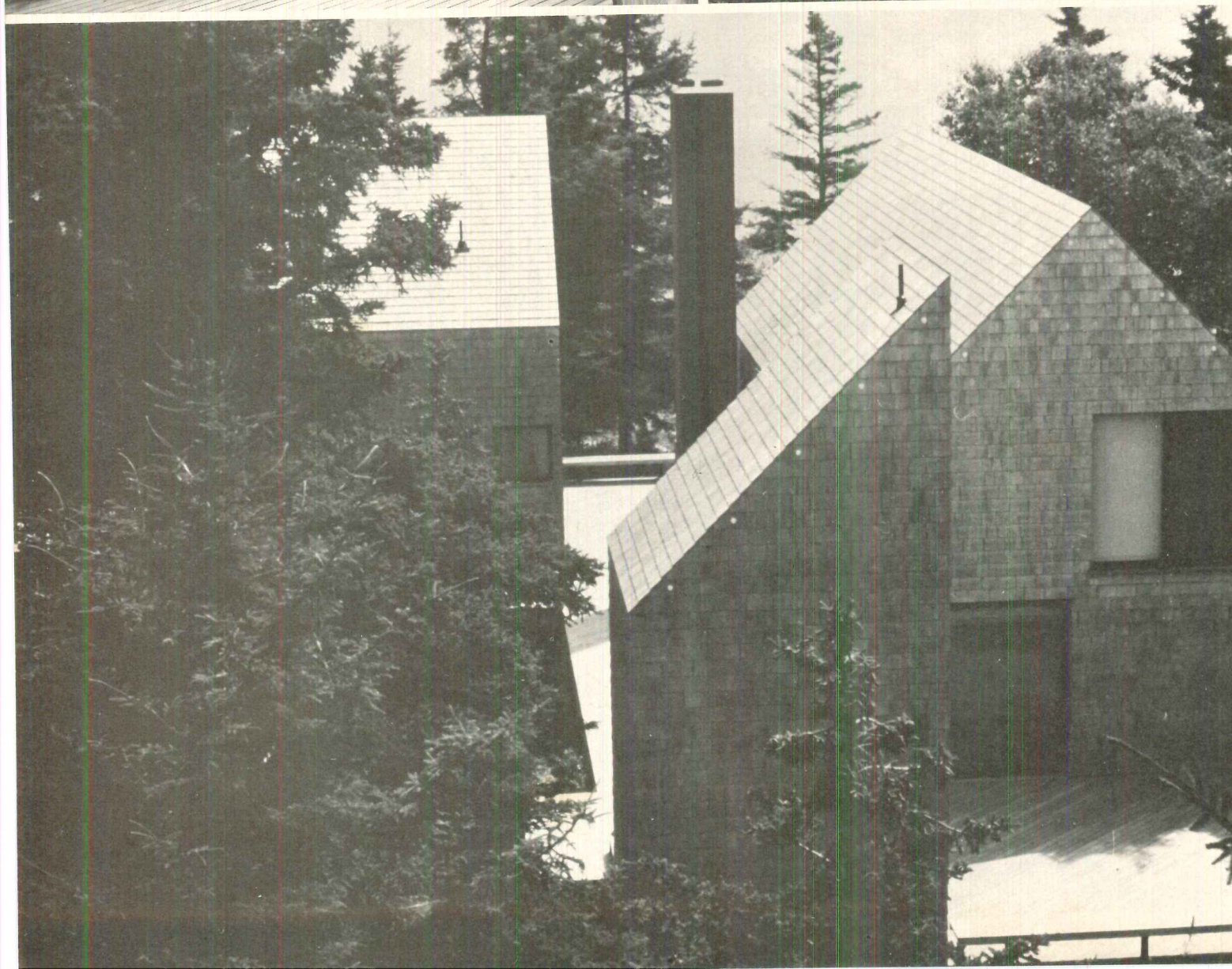
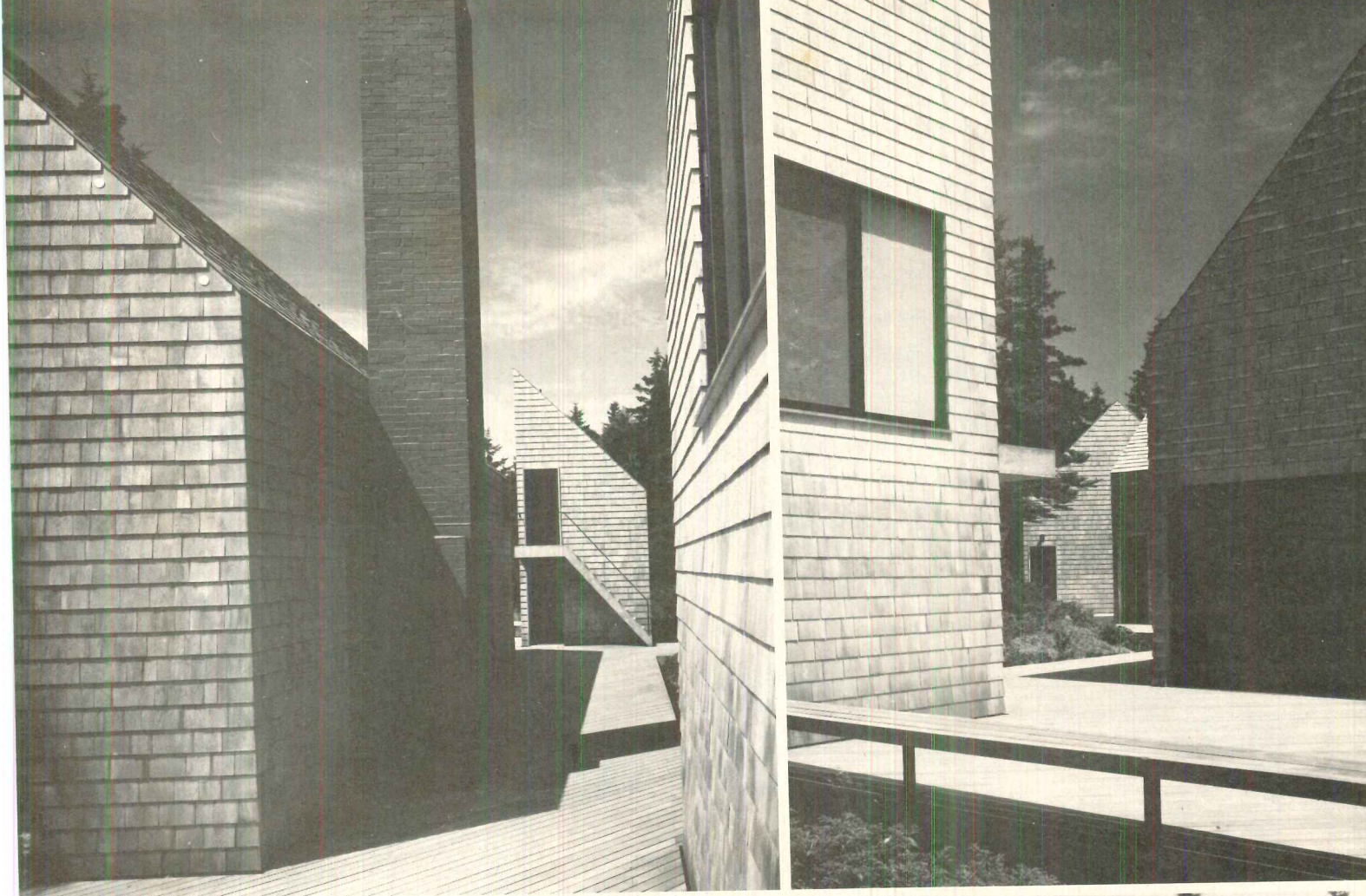






The plans, upper left, show the prime spaces of the house developed across a series of vertical levels and all turn inward to views of deck and shoreline. Secondary spaces turn at right angles to form a separate windowed area. The upper levels of the house, varied and sometimes unlit, are mostly bedrooms but full of the spatial interest and detail that give the house its rich, expressive character.





DESTY, RESTRAINT

HIS MAINE HOUSE

EDWARD L. BARNES

into a spruce grove on the coast, this beautifully re-
 d vacation house was built
 man who is an author/
 , interested in public ser-
 among his wife's varied in-
 are calligraphy and cook-
 their children are grown and
 away but often visit, bring-
 family or friends when they
 e program, therefore, sug-
 flexibility. The site sug-
 modesty.

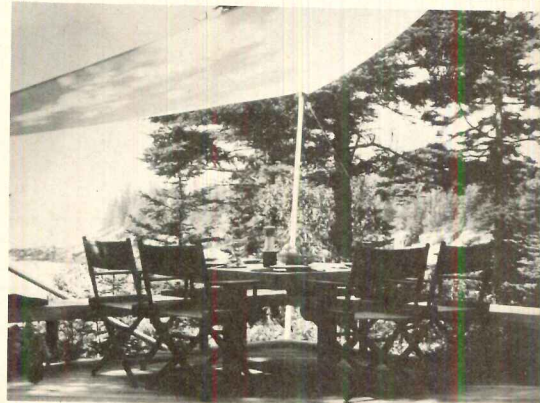
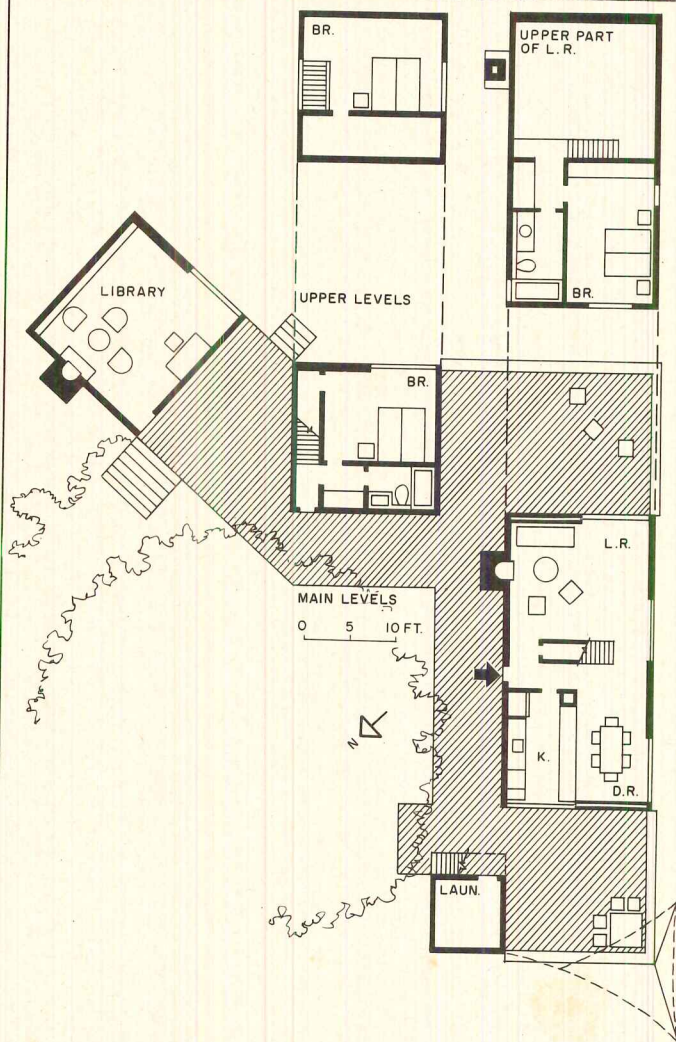
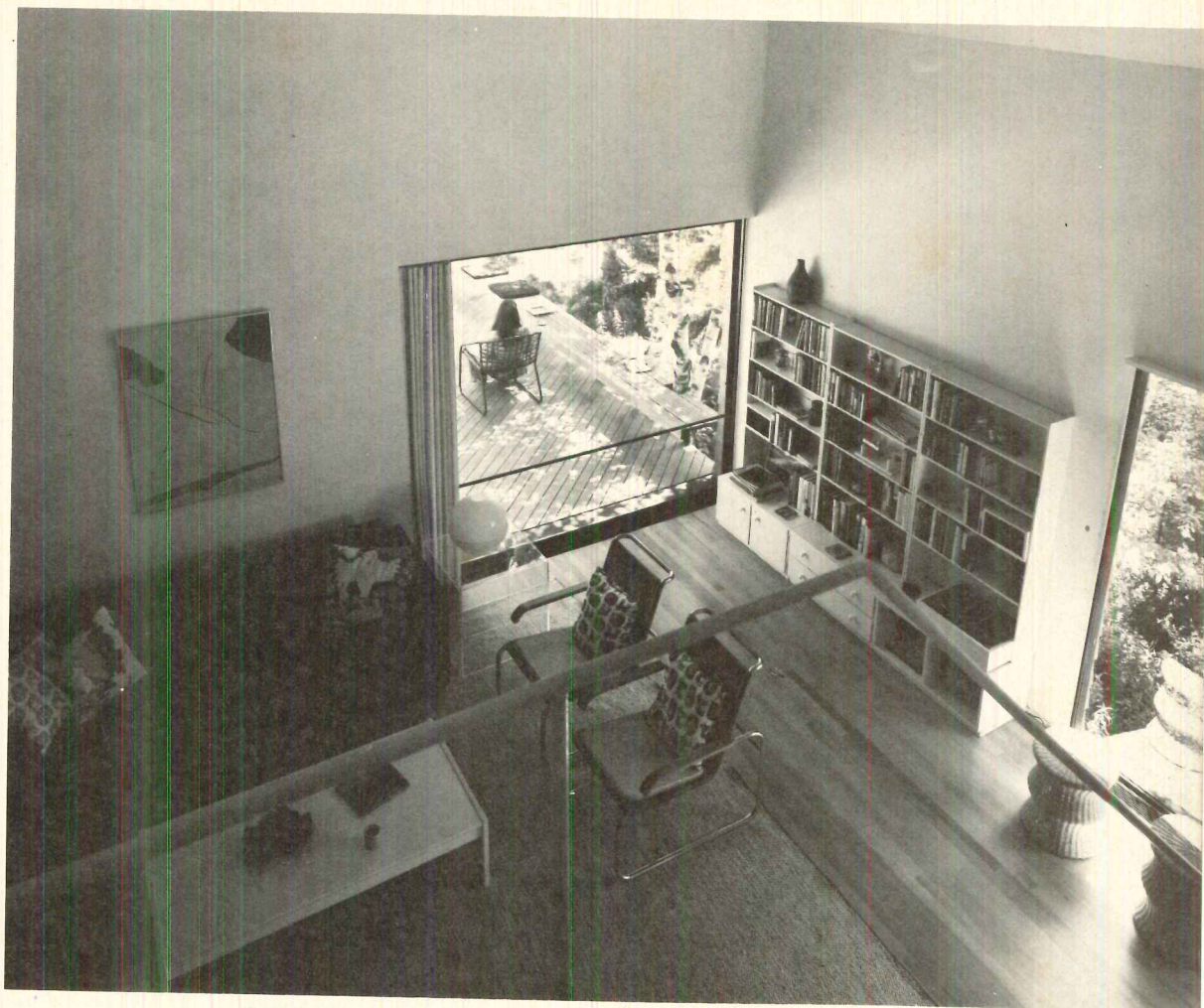
arnes began by developing
 arate structures: a studio
 with laundry below; a one-
 m house with living, dining
 chen; a two-story guest
 and a high-ceilinged li-
 udy. Each of the elements
 ed in simple, vernacular
 nished in wood shingle,
 artfully placed in relation
 thers, and all are spun to-
 y a rambling wood deck
 ens at intervals to arresting
 views. The whole compo-
 eeps a respectful distance
 e shoreline.

e detailing throughout the
 s spare and elegant in its
 ty. The roof planes turn
 into the wall planes, for in-
 without the interruption of
 board or fascia. Trim
 openings is so reticent it
 disappears. At one corner
 deck, however, just off the
 the need for a shaded
 eating area produced a
 nd pleasantly flamboyant
 details. The architect set
 ker on booms—a sail that
 djusted to a range of sun
 y hand-operated winches
 l on the deck.

ugh elegant in its details,
 e has some of the same
 character and stern New
 virtues that we associate
 Maine fishing villages its
 seems to reflect. No roofs
 its four units and the
 road stops two hundred
 of the house.

Edward Larrabee Barnes
 62nd Street
 New York
 Descent
 Desert Island, Maine

Perrone-Sturm-Bandel (structural)
 Bedell (mechanical)
 Horace Bucklin
 er: David Franzen



AGAINST A BACKDRO
 OF FOREST GREEN,
 A CONNECTICUT HO
 BY PETER BOHLIN

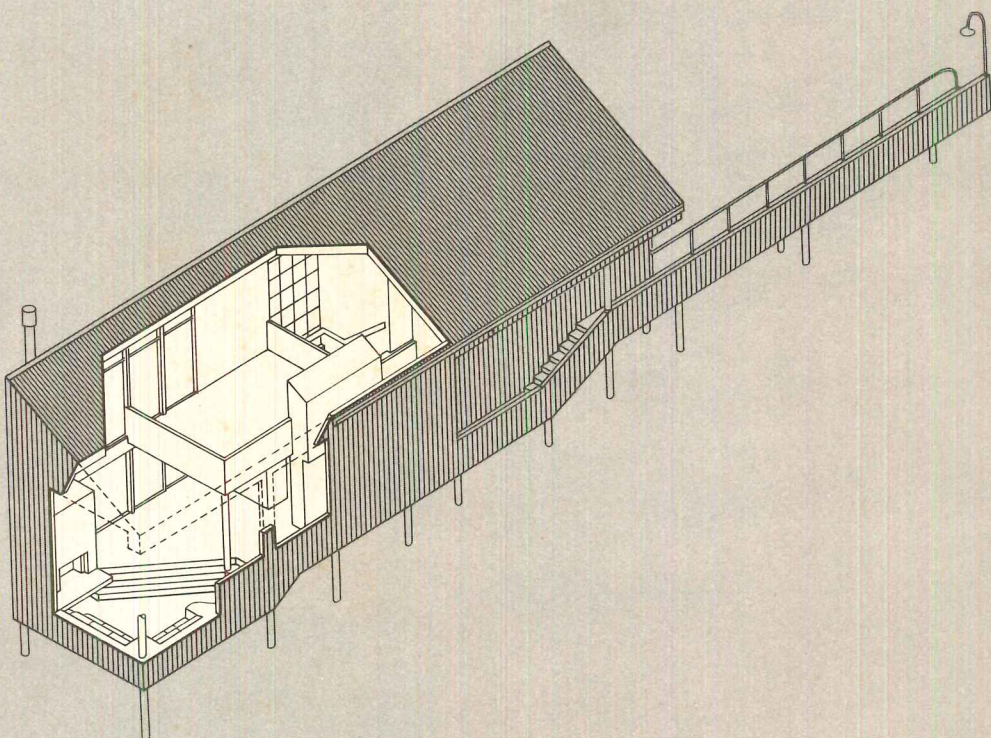


Its cedar siding stained gr
 blend with the leaves of
 rounding forest, this hous
 signed by architect Peter
 for his parents—is in fine s
 thy with a natural site of 1
 in Cornwall, Connecticut.
 ingly modest from the ap
 (photo overleaf, top), the b
 is actually a carefully studi
 gression of vertically exp
 spaces, which lead the
 from the dark shade of eve
 trees at the drive and entry
 into the high living room
 view of dappled sunlight t
 lacy deciduous branches.

An industrial-type ligh
 ard on the parking-lot sid
 bridge begins a series of
 rust-red-painted orientatio
 in the visitor's progress. Ot
 the surrounds of the glaze
 door, those round expos
 crete columns that extend
 the interior and—finally—
 dustrial-type framing of th
 room windows expose the
 tic view. The route over th
 leads past the end of the b
 which is only 12 feet wid
 the low roof of the por
 down several flights of sta
 the full height of the living
 reached.

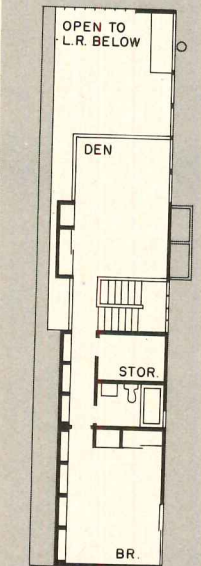
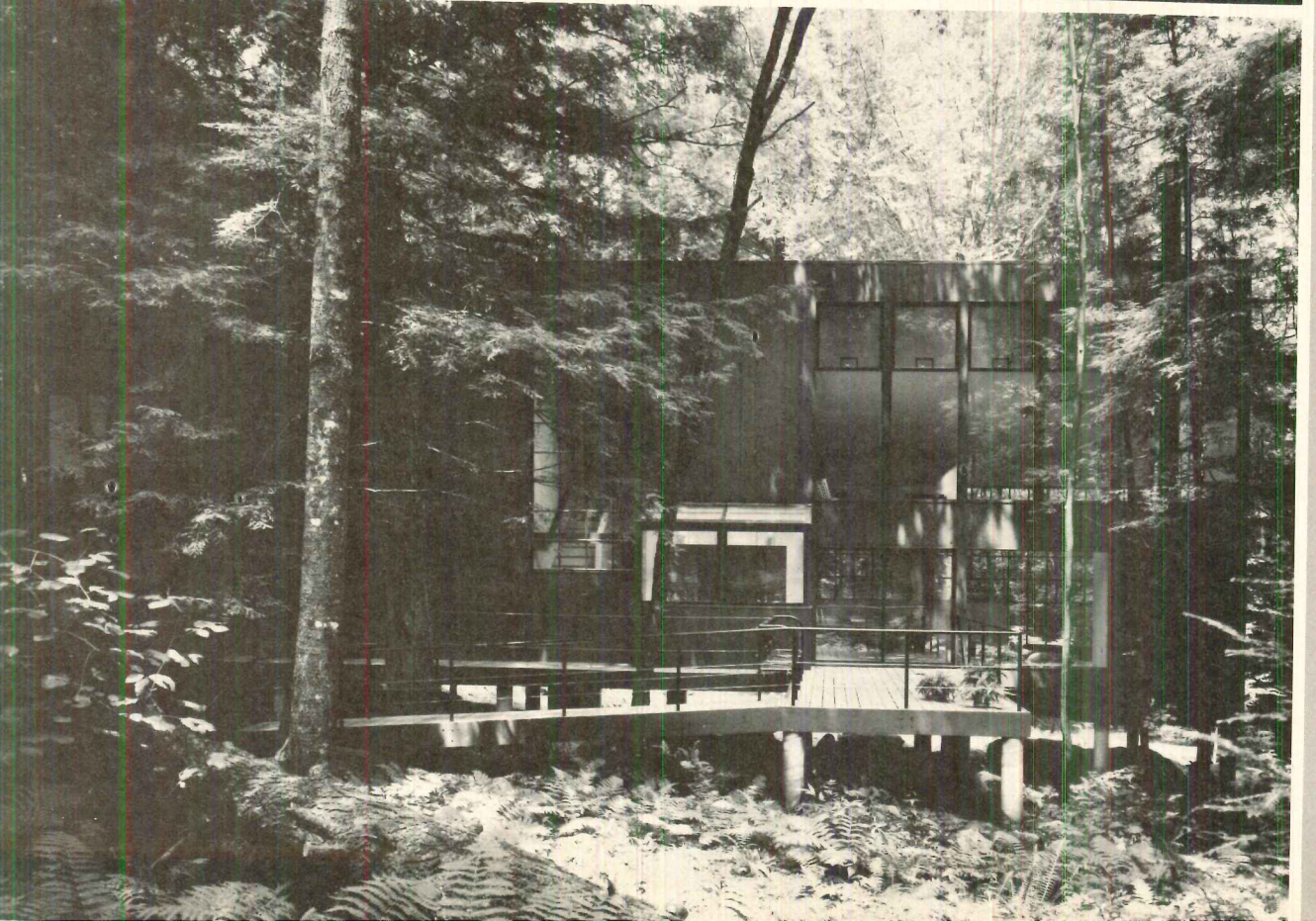
Careful attention to d
 made a dramatic produc
 ple materials such as co
 aluminum for roofing, ton
 groove siding and circu
 crete piers. Bohlin states
 contrast between large s
 glass in the standard, h
 ished sliding doors and
 panes of glass elsewhe
 standard) is intentional.

Costs for the 1,800-sq
 structure were just over
 foot. The project has v
 awards for design.

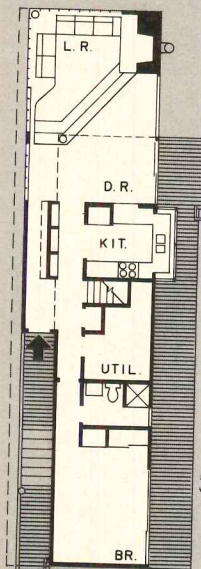


Architects: Bohlin and Powell
 partner-in-charge:
 Peter Bohlin
 project architect:
 Russell Roberts
 182 North Franklin Street
 Wilkes-Barre, Pennsylvania a
 Gateway Towers, Suite 235
 Pittsburgh, Pennsylvania
Owners: Mr. and Mrs. Eric Boh
Location: West Cornwall, Conn
Engineers: Rist-Frost Associates
Contractor: Olsen Brothers
Photographer: Joseph Molitor





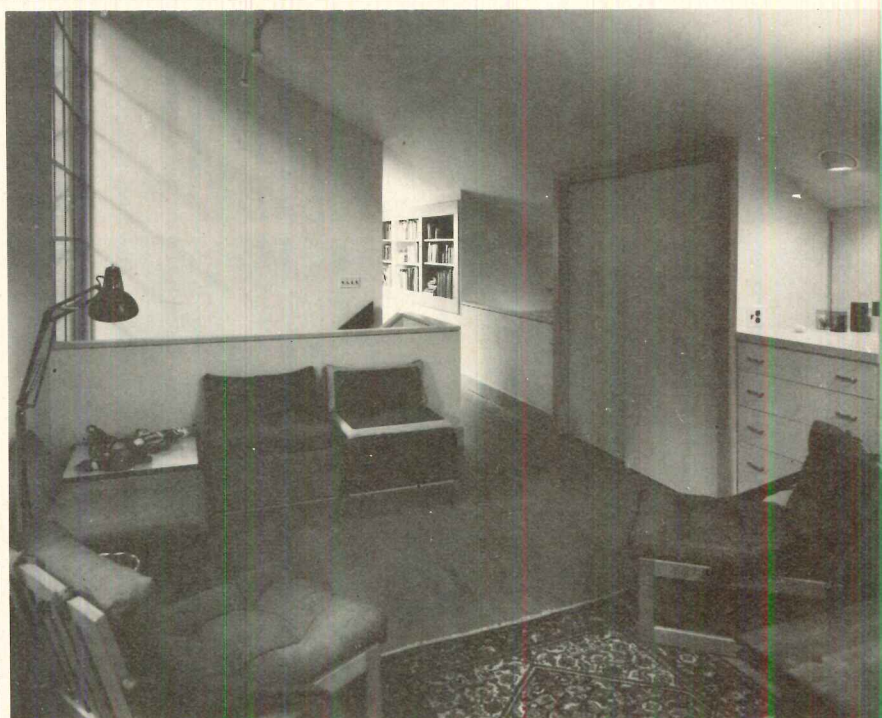
UPPER LEVEL

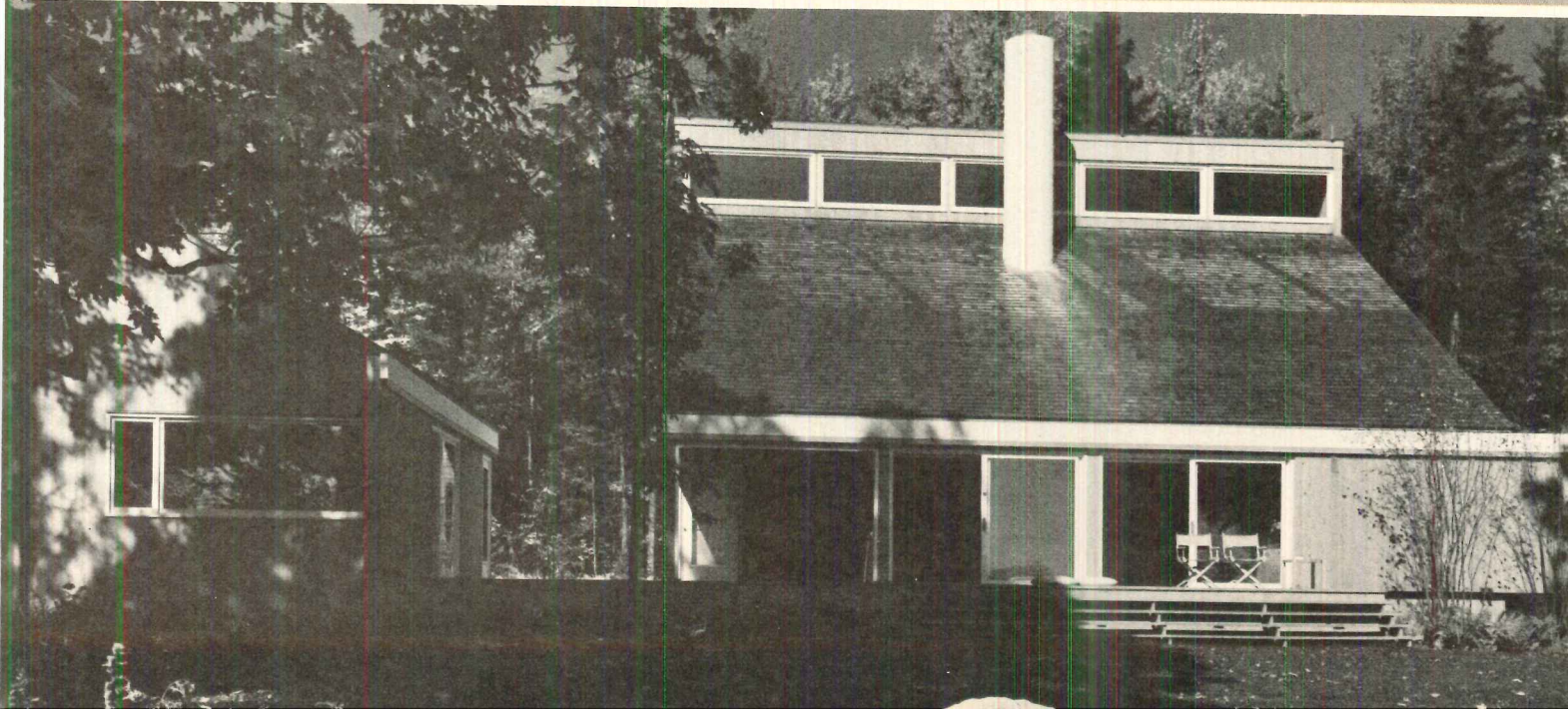


LOWER LEVEL
0 5 10 FT.

From the entry side, the space is a transition from evergreen to sunlit forest (opposite, top). The view of the kitchen (opposite, right) reveals the partial enclosure of the kitchen in a house-like structure. The stairs lead to the upper level (below, right) and lead to the intimately furnished den (below, right) with a balcony-overlook of the living room.

The light gray finish of the walls and stained-oak flooring forms a soft-but-contrasting contrast to the darker siding and structure.

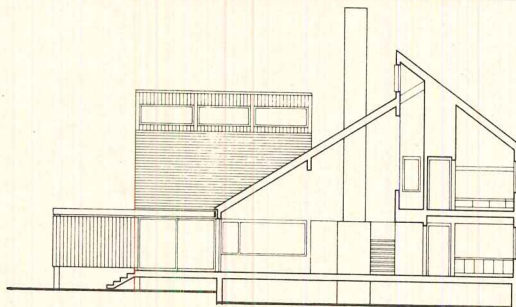




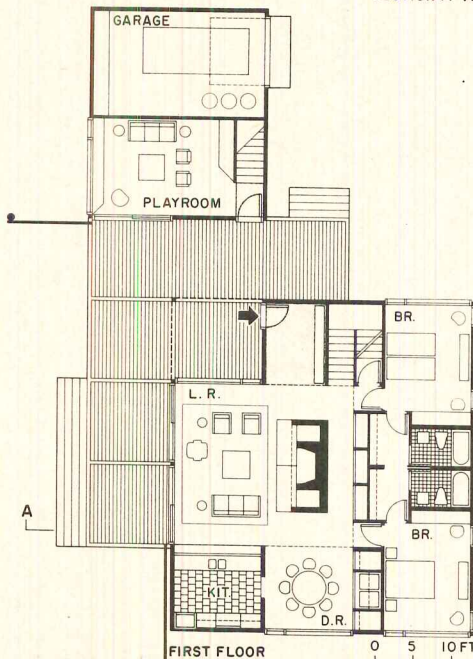
**VERMONT HOUSE WITH
NEW ENGLAND ROOTS
BY HOBART BETTS**

On a softly sloping Vermont hillside, is a summer and winter weekend house for an active family of seven. Reached by an access road through a thick mask of trees, the house is set in a clearing on the crest of the hill at a point where the woodlands give way to open fields. A low stone wall, just behind the house, emphasizes the division. From their living spaces, the owners can feel the presence of trees about them but beyond the wall to long, unobstructed views of surrounding country. At right angles to the main living spaces, and separated by a narrow strip of deck, is a second structure that contains a dining and recreation space. The connection between the two structures provides an arrival point and a central entry to either building. The main spaces of the house are thoughtfully organized around a central chimney breast. Living, dining and kitchen spaces are derived out of one large volume with separations suggested by changes in counter heights and changes in ceiling height. Bedrooms, separate bathrooms, complete the first floor plan. Upstairs, three bunkbeds, each containing four beds, are placed out by baths in a pattern that offers both privacy and variety. Bands of clerestories allow light into the top of the rooms and illuminate the upper corridor. The forms of the house are reminiscent of Vermont's farmsteads built in a combination of pre-war and post-and-beam framing systems. The exterior walls are clad in cedar boarding stained to a dark gray. Interior partitions are finished in cedar left natural. Doors, cabinets, fireplace and chimney are painted white.

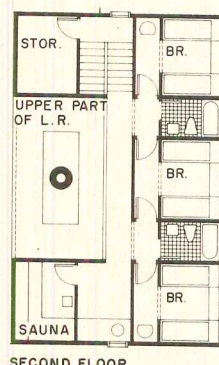
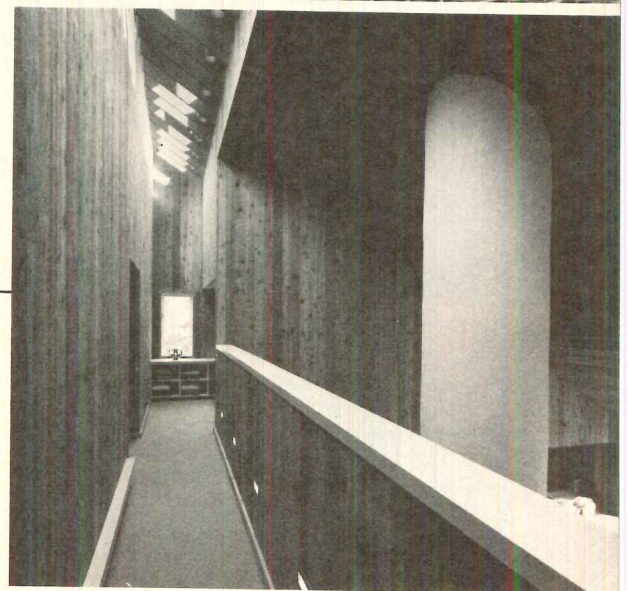
Architect: Hobart Betts
 Principal architect: Roger Lang
 157th Street
 New York, New York
 Residence
 Location: Southern Vermont
 Engineers: Olenek & Associates (structural)
 Landscape architect: Terrence Boyle
 Interior designer: MacDonald & Swan
 Construction manager: George Cserna



SECTION A-A



FIRST FLOOR



SECOND FLOOR

Not shown in either plan or section is a recreation space with billiard table that is located over the garage. Skylighted, like the main structure, it provides a generous place for indoor play.



A SHARP-EDGED
AND ELEGANT HOUSE
IN NORTHERN OHIO
BY DON HISAKA

When the architect and owners first explored the possibilities for this densely-wooded, 150-acre site, a "tree-house" with expansive outdoor decks seemed a reasonable starting point for conceptual design. As the functional requirements became clearer and more precisely defined, the tree house notion was modified to a more conventional elevated platform structure, but the broad areas of deck remained and a sense of living among the trees persisted as

an important design theme.

The primary spaces in the house are grouped into two wings—one for parents, one for offspring—and in each case, vertical zoning places sleeping areas above living areas (see plans, opposite page). The two wings are linked by a short, glass-enclosed bridge. Openings, as well as decks, are oriented toward handsome views of three man-made lakes that change their aspect both by time of day and season. A fourth lake lies out of sight from the house a quarter mile to the west. The rest of the property is heavily wooded, giving the house an unusual degree of isolation and a special sense of its own privacy.

The enrichment of the simple cube forms by careful, knife-

edged additions and subtractions, the consistency of the white-painted plywood exterior and the detachment of the whole mass from the earth plane combine to make this house stand apart from its natural surroundings—not in conflict with them, but in sharply focused contrast.



Architects: Don Hisaka & Associates
project architect: George Saire
257 The Arcade
Cleveland, Ohio

Private residence

Location: Northern Ohio

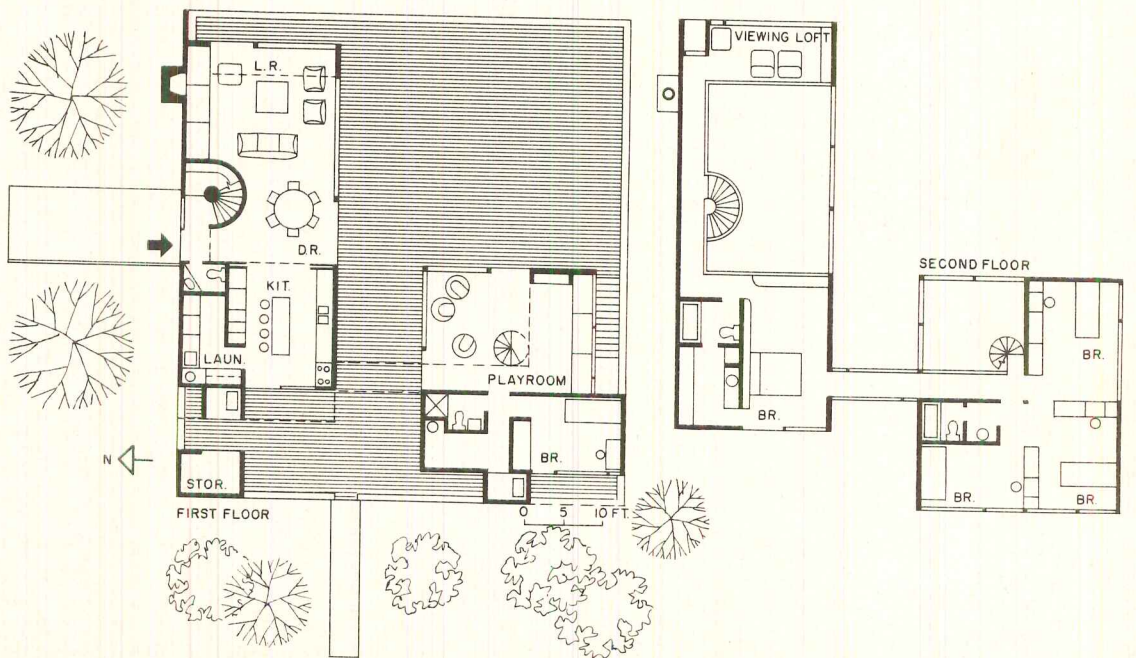
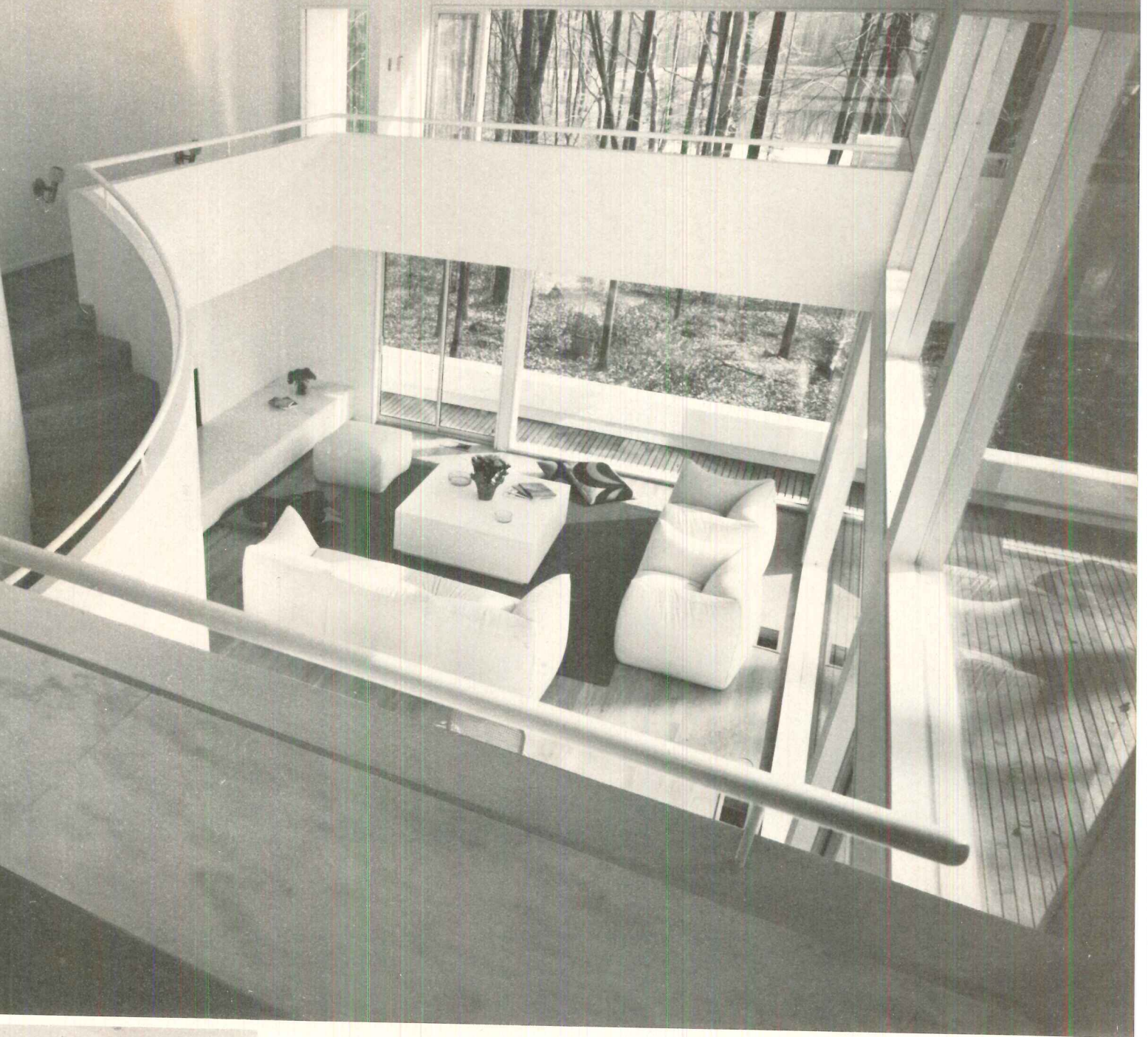
Engineers:

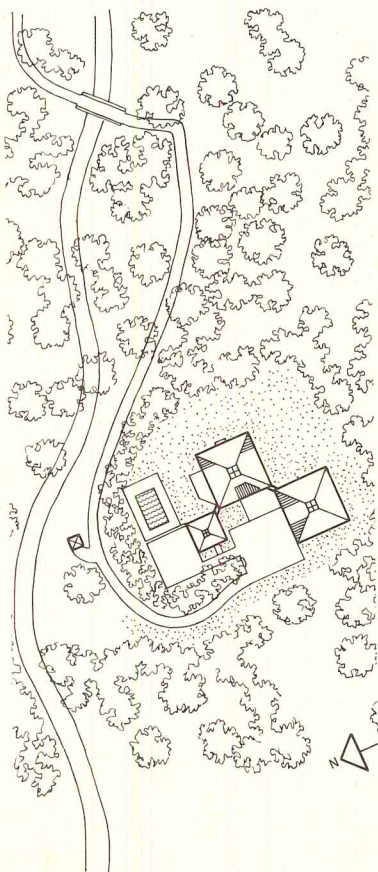
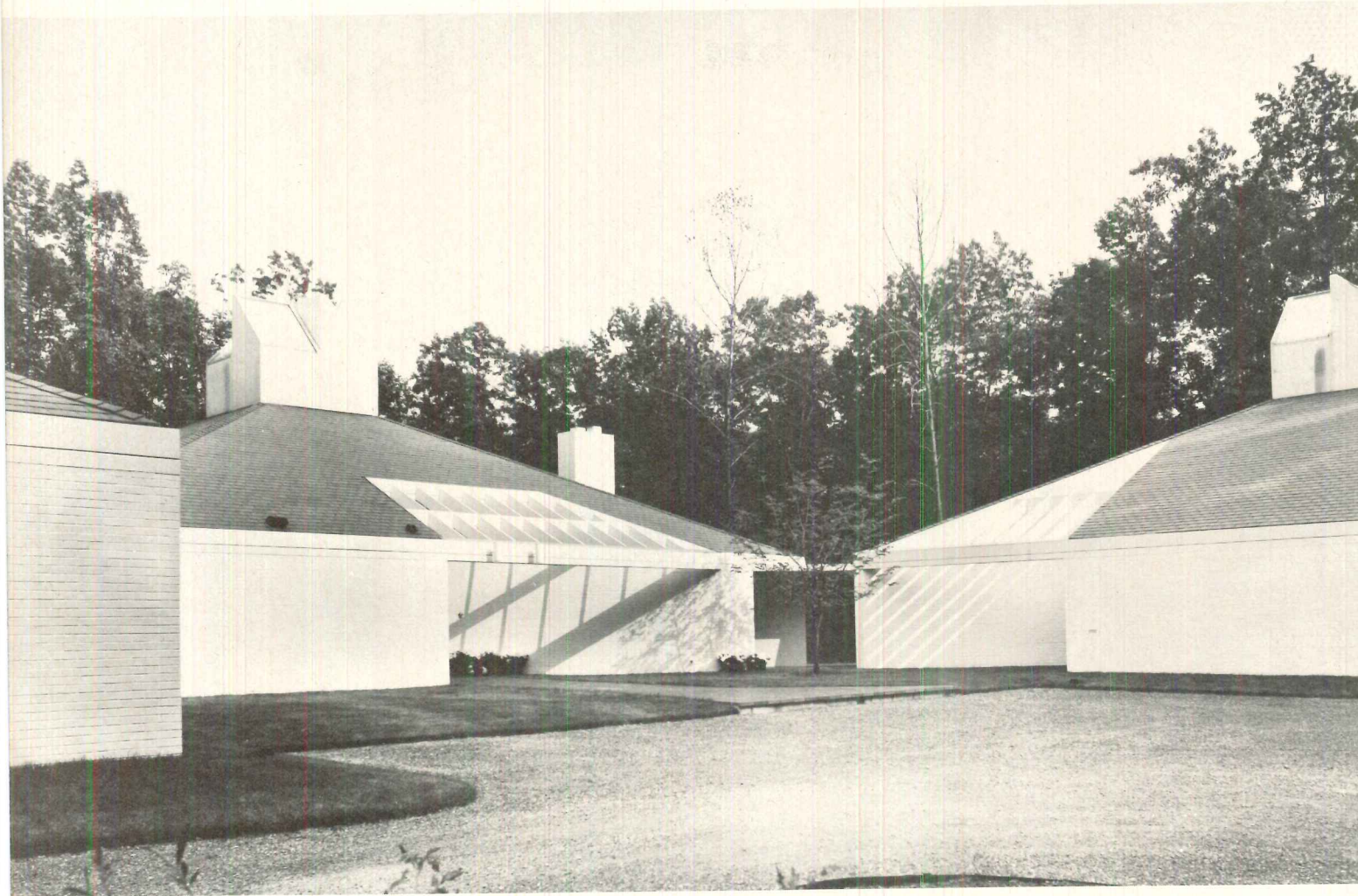
Gensert-Peller Associates (structural)
George Evans & Associates (mechanical)
Lombardi & Associates (electrical)

Contractor: Buell Davidson

Photographer: Thom Abel







**A THREE-PAVILION
SCHEME UNITED IN
STRONG DIAGONALS
BY HUGH JACOBSEN**

The three, brick-clad pavilions in this Maryland residence are sited almost—but not quite—corner to corner and the “not quite” is what gives the massing its excitement and visible tension. These transparent links are given substance in plan where long diagonals from the two secondary pavilions intersect in the third to create a grand atrium, 22 feet high, skylighted and planted with tall trees (see plan). From this central hall, the principal spaces of the house fan out in three directions and are grouped by function under the triangular sections of hip roof that serve to isolate each. Further separation between the spaces is accomplished by carefully placed, built-in storage units.

The second pavilion contains five double bedrooms, corner baths and a high-ceilinged recreation space. The smallest of the pavilions houses a garage and laundry. All three are united by the diagonal relationships, the consistency of material and form, and by the soft underlayment of grass spread like a giant carpet to receive the house and to cushion its impact with the ground.

Jacobsen has cut the outside wall back to the plane of the diagonal in several places to emphasize the oblique, and has opened the roof at these points to bring in daylight filtered through the exposed rafters. The multi-faceted cupolas over each pavilion have much the same purpose. Each is a four-sided skylight (see details overleaf) designed to draw in sunlight at all times of day and at every season. Downlights, mounted in the cupolas, can be used at night to echo the daylight effect.

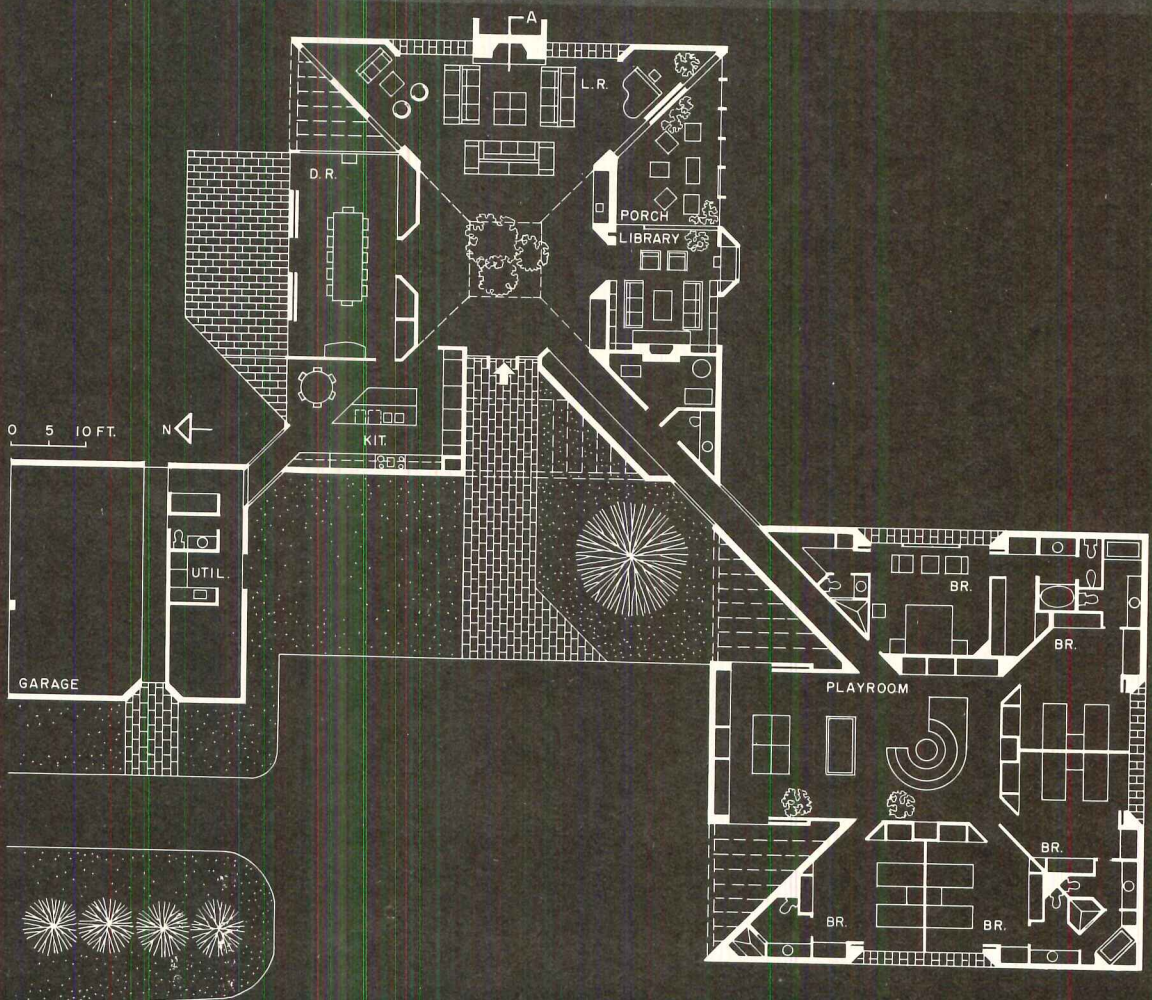
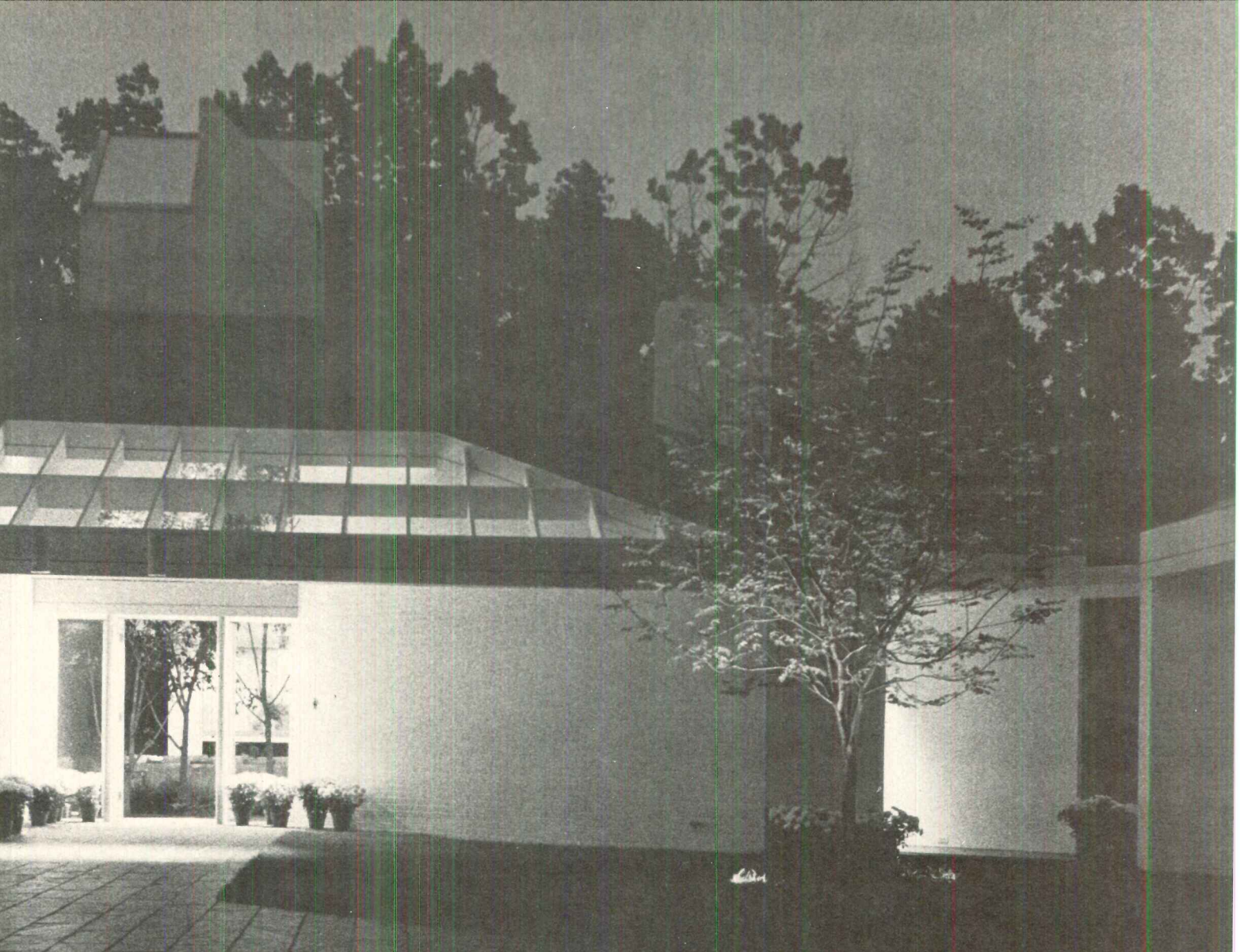
The principal materials in the

house are face brick over block for exterior walls, shingle on the roofs, dark floors, sliding glass doors, openings and ½-inch board on most partitions. Some of the furniture—the clear plastic tables tucked up against the sofa, is by the architect.

As in almost all Jacobsen houses, the massing is visually composed and the result is about as elegant as human convention can make it. No appearance is accidental or chance.

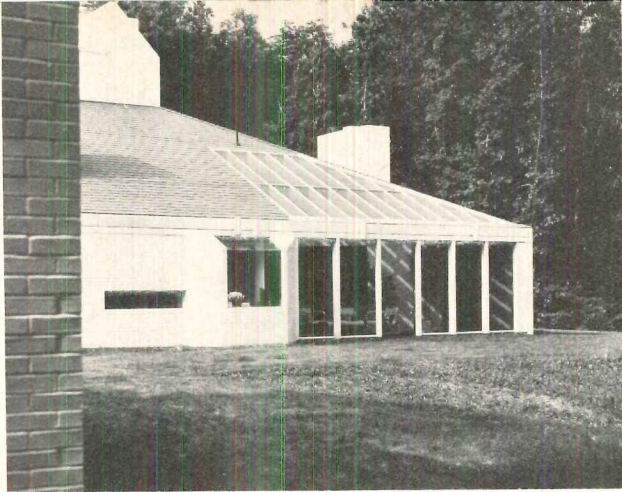


Architect: Hugh Newell Jacobsen
1427 27th Street, N.W.
Washington, D.C.
Private residence
Location: Frederick, Maryland
Engineers: Kraas & Mok (structural)
Contractor: Floyd Culler, Inc.
Photographer: Robert C. Lautman

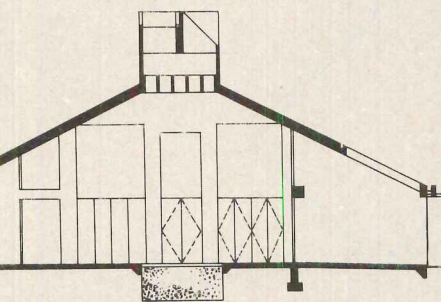
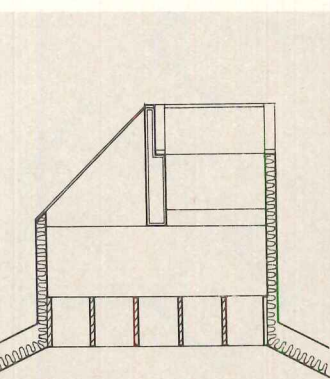




RESIDENCE
BY NEWELL JACOBSEN



...ll writing table (right)
...t to the site through a
...rylic sheet. Mirrors,
...the sheet on both sides,
...he view in fractured
... Screened porch
...has transparent glass
...forced by wire mesh to
...ow loads. Sliding pan-
...also reinforced.





BOOTH & NAGLE

REINTERPRET

CLASSIC HOUSE PLAN

OUTSIDE CHICAGO

Before this house was built for them on a suburban site in Hinsdale, Illinois, the owners lived in a large and elaborate mansion "with too many rooms and too much complication in general." Deciding to try to simplify their lives, they commissioned architects Booth & Nagle to design a house for them that was a cleaner statement of a more relaxed living style. Neighboring houses were in a neo-Georgian idiom, typically clad in brick and planned around a central entry and stair. The architects elected to adopt this theme but reinterpret it in a way that would be spatially liberating, easy to maintain, and, above all, fun to live in.

The approach to the Barr residence leads to a central entry hall with a living room opening to the left, a kitchen and dining space to the right. A circular stair at the end of the hall leads to bedrooms above. Much of the fun of the house—and its only complica-

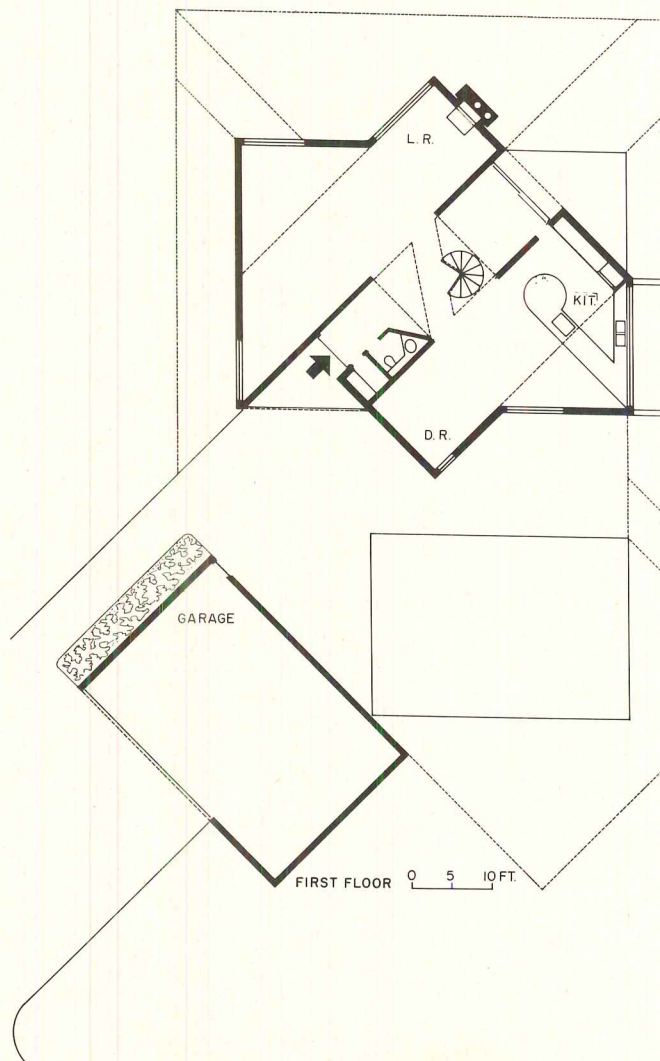
tion—grows out of the diagonal relationships developed by rotating certain of the elements through 45 degrees. The justification for the rotation, in addition to the spatial liveliness it creates, is to turn toward longer views that are not blocked by adjacent houses that flank in an orthogonal relationship on either side.

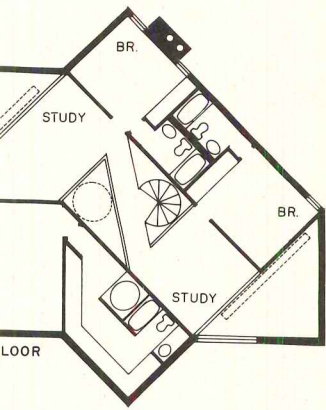
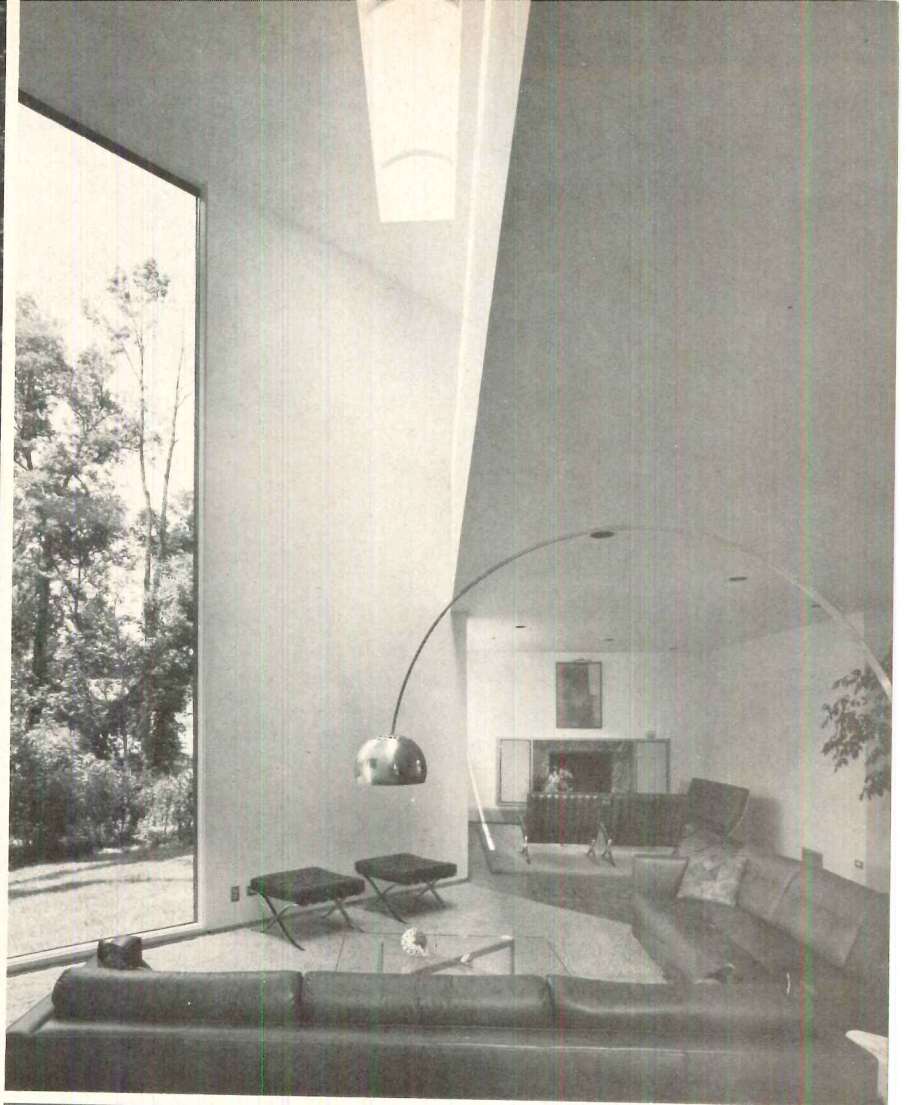
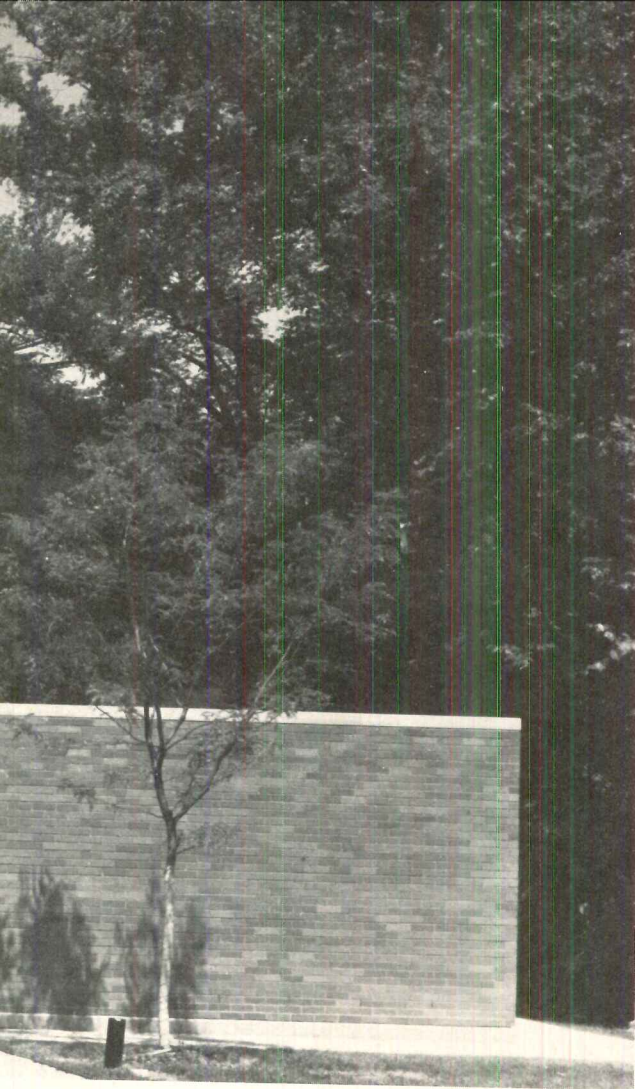
Large openings, including skylights, bring generous amounts of daylight deep into the house, printing white walls with shafts of sunlight and shadow in ever-changing patterns that reduce the need for wall decoration to an absolute minimum.

Moving around the house, inside or out, the planes unfold in an interesting progression revealing partial views to the second story and sometimes, through ribbons of plastic, the sky beyond.

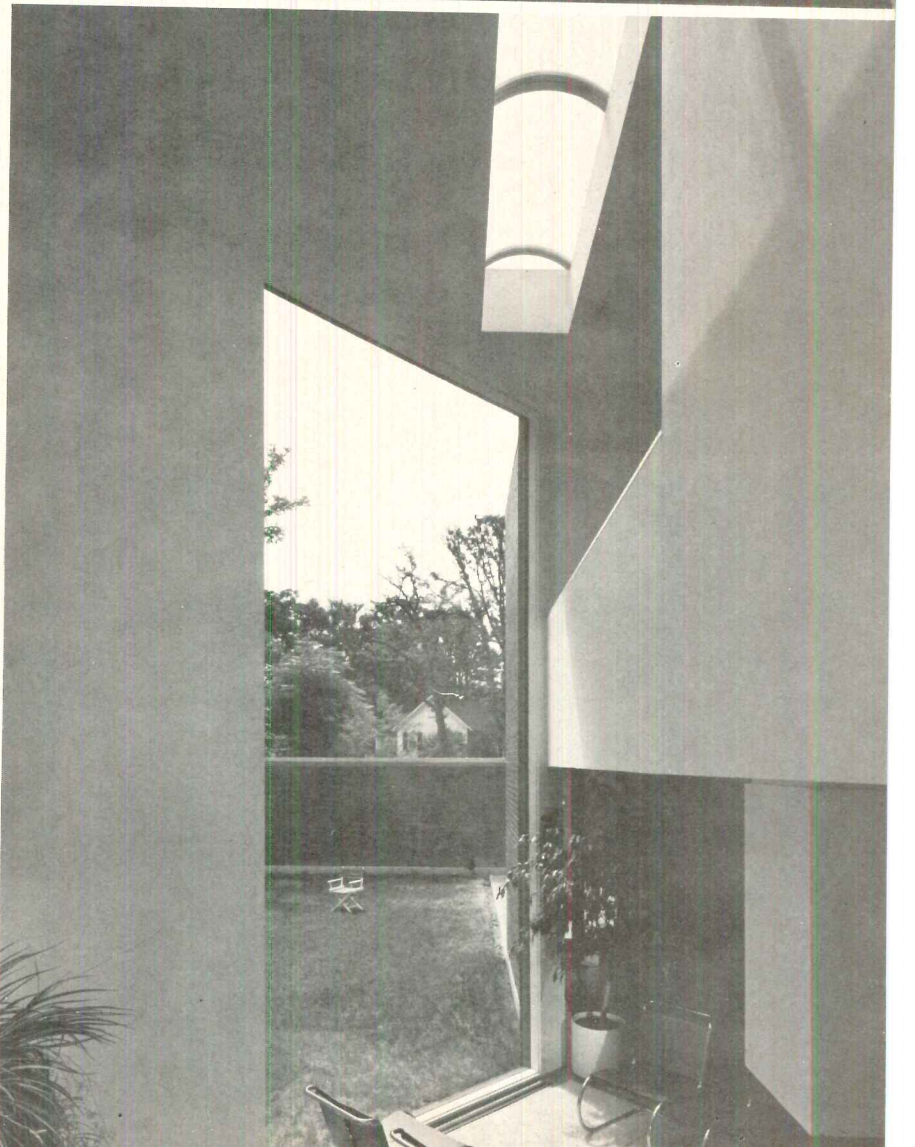


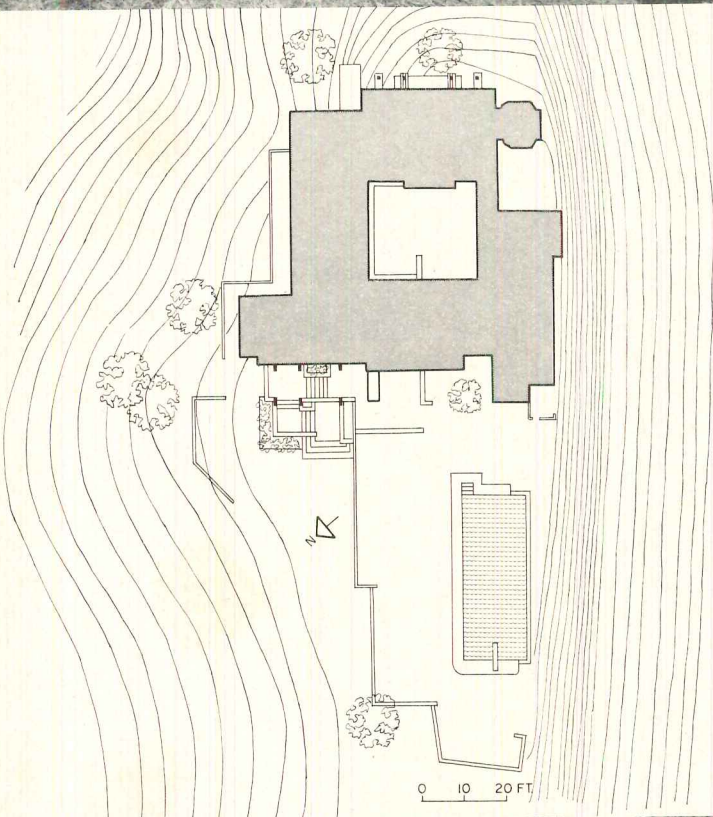
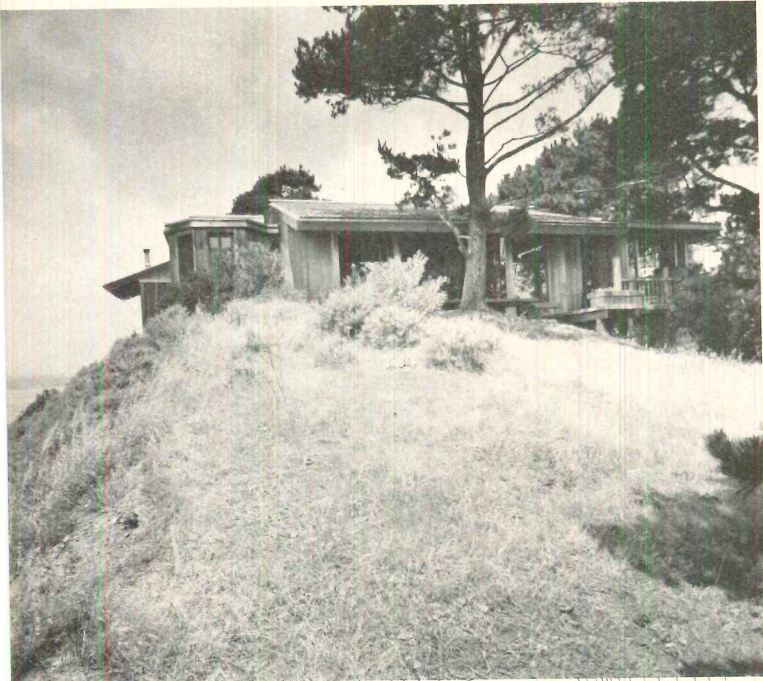
Architects: Booth & Nagle
230 East Ohio Street
Chicago, Illinois
Owner: Mr. & Mrs. Warren Barr, Jr.
Location: Hinsdale, Illinois
Engineers:
Weisinger-Holland (structural)
Contractor: The Maddock
Construction Company
Photographer: Philip Turner





The exterior walls are face brick set in a colored mortar. Inside, the finishes are wood parquet for floors, 1/2-inch gypsum board on all partitions and ceilings. Colors are subdued, textures are kept in a fairly narrow range. Simplicity and ease of upkeep governed most of the detailing, especially at the great glass openings.





HOUSE AND SITE

BEAUTIFULLY MATCHED:

A TRADEMARK OF

WARREN CALLISTER

It is a rare site—the tip of Belvedere Island—with unrivaled views across the Bay to Sausalito and San Francisco. The building area is a narrow strip at the edge of cliffs that tumble down to the water's edge. Specimen pines, their brooding profiles shaped by the prevailing wind, were carefully preserved. The rock itself is deteriorating so caissons were sunk 12 feet to provide a stable foundation. Over these caissons, the architects built a really remarkable house: generously proportioned in its spaces, rambling in its organization, romantic in its images, luxuriant in its details. Living room, dining room, kitchen, master bedroom and rathskellar are all pivoted around a central courtyard on the main level and all of these spaces are linked by a long, skylighted gallery. The level below contains a library, guest quarters and a garage, which is covered with a foot of topsoil to form an exterior yard and garden above. The uppermost level is given over to children's rooms with provisions to accommodate a governess.

The house is designed in what the architects called "the Carmel/Big Sur/Monterey mood," with pitched roofs, wide overhangs, indigenous materials and details that show a great respect for these materials as well as pride in the work of the hands that fashioned them. The collection of furnishings, many pieces inherited from the owner's grandmother, show much the same spirit.

Most remarkable of all, perhaps, is the subtlety with which this 6000-square-foot house is sculpted into the hill.



Architects: Callister, Payne & Bischoff
project architects:
 Alfred Morrisette and John Pryor
 1865 Mar West
 Tiburon, California

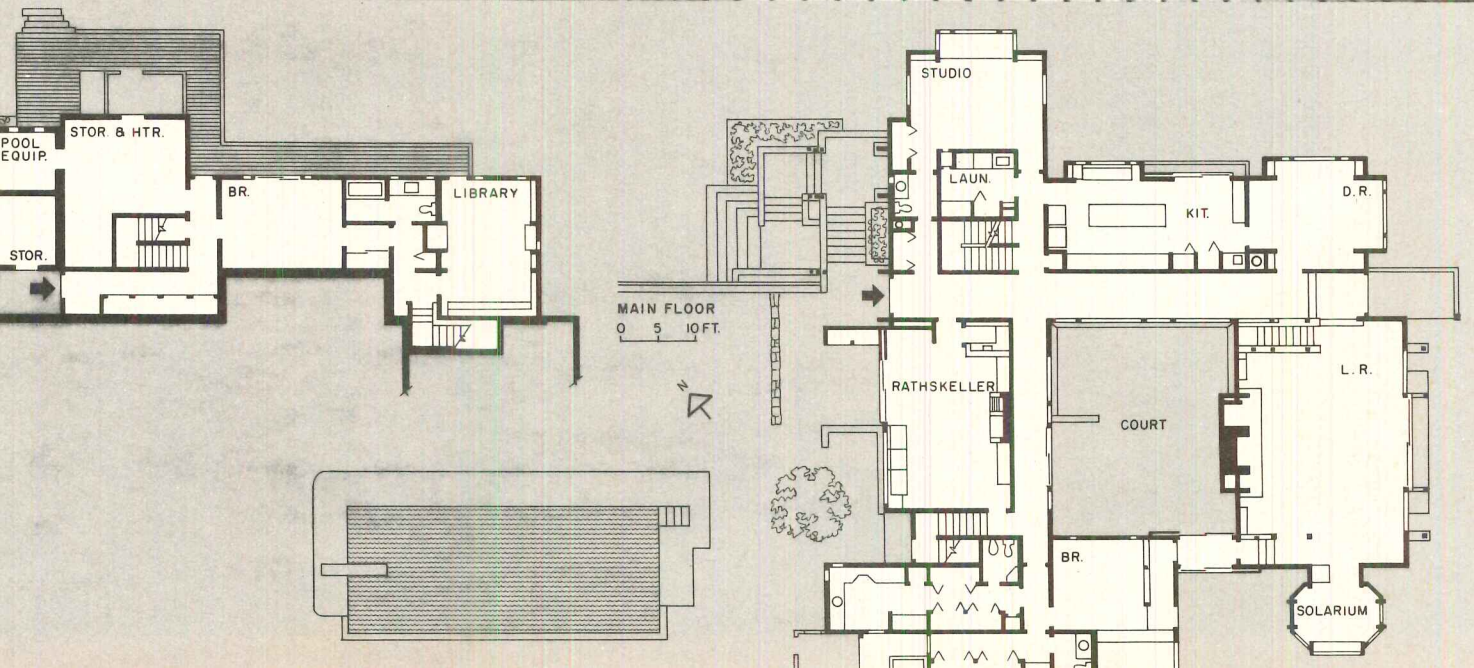
Private residence
Location: Belvedere, California
Engineers:

Shapiro, Okino, Hom
 & Associates (structural)
 Harding, Miller, Lawson
 & Associates (site)

Interior design consultant:
 Anthony Hail Studio

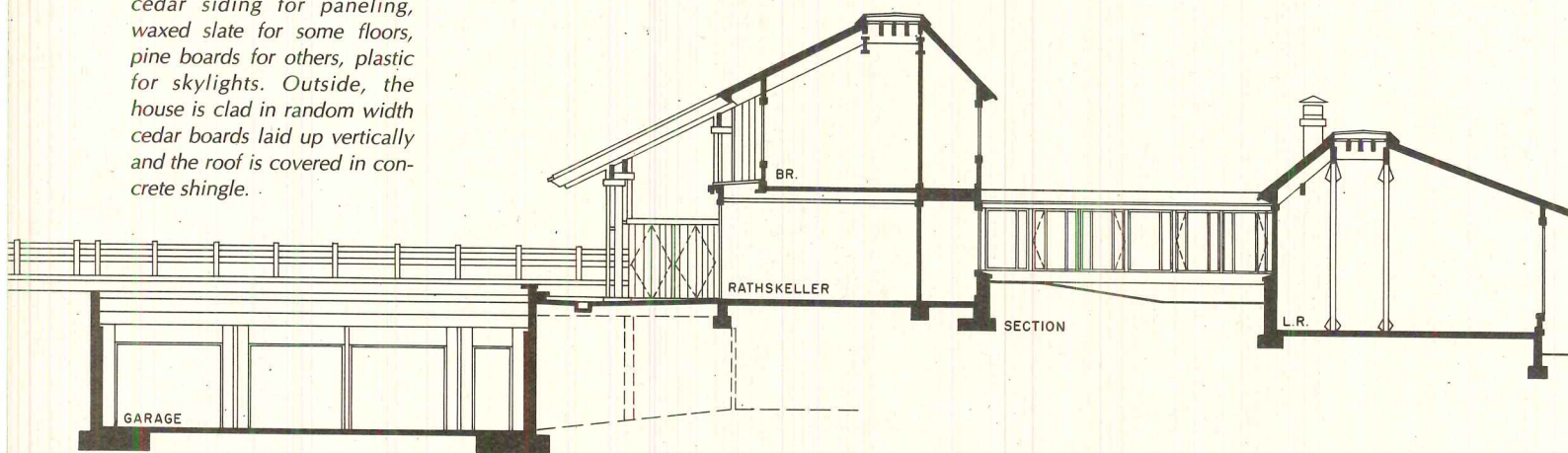
Contractor: Olin Construction
Photographer: Philip Molten

LOWER FLOOR





The range of primary finish materials inside is controlled: cedar siding for paneling, waxed slate for some floors, pine boards for others, plastic for skylights. Outside, the house is clad in random width cedar boards laid up vertically and the roof is covered in concrete shingle.





WILLIAM KESSLER'S

PLAN SIDESTEPS TREES

ON LAKE HURON SITE

Lake Huron is the all-absorbing focus of this house, which is sited on a six-acre parcel on the lake's western shore. A grove of cedar trees, estimated to be over 100 years old, dominates the site. The usable building area between the trees fell naturally into a series of triangular clearings (aerial photo, below) and this, combined with the owner's request for privacy between the spaces, led to the plan of separate triangular units all fed from a central spine.

If, at first glance, the plan seems strained, on closer inspection its logic is apparent. Living, dining, kitchen and master bedroom spaces face the lake in the two easternmost pavilions. Behind these, but still opening on the diagonals toward the lake, are additional bedrooms and a caretaker's unit. The final pavilion, shown in the photos (but not in plan) is a garage and turned away from the lake view. Secondary spaces are carefully placed within these pavilions to augment their internal privacy.

There was no blunting of the traditionally troublesome acute angles. Kessler brought the glazing right to the wood wall and, in effect, "planted out" the corner. This was easily accomplished because each triangular pavilion is constructed over a concrete pedestal and slab.

Each section of the house has its own heating and cooling system. Standing water from the flat roofs is drained to a storm basin and then pumped to two remote dry wells. Domestic water is supplied from an on-site shallow well using submersible pumps.

The triangular geometry is skillfully elaborated inside in changes of level, in the edges on the dropped ceilings, and in the design of built-ins—all of which shape and enrich the spaces to which they are integral.



Architects: William Kessler and Associates, Inc.
733 St. Antoine
Detroit, Michigan

Owner: Mr. and Mrs. Warren J. Coville

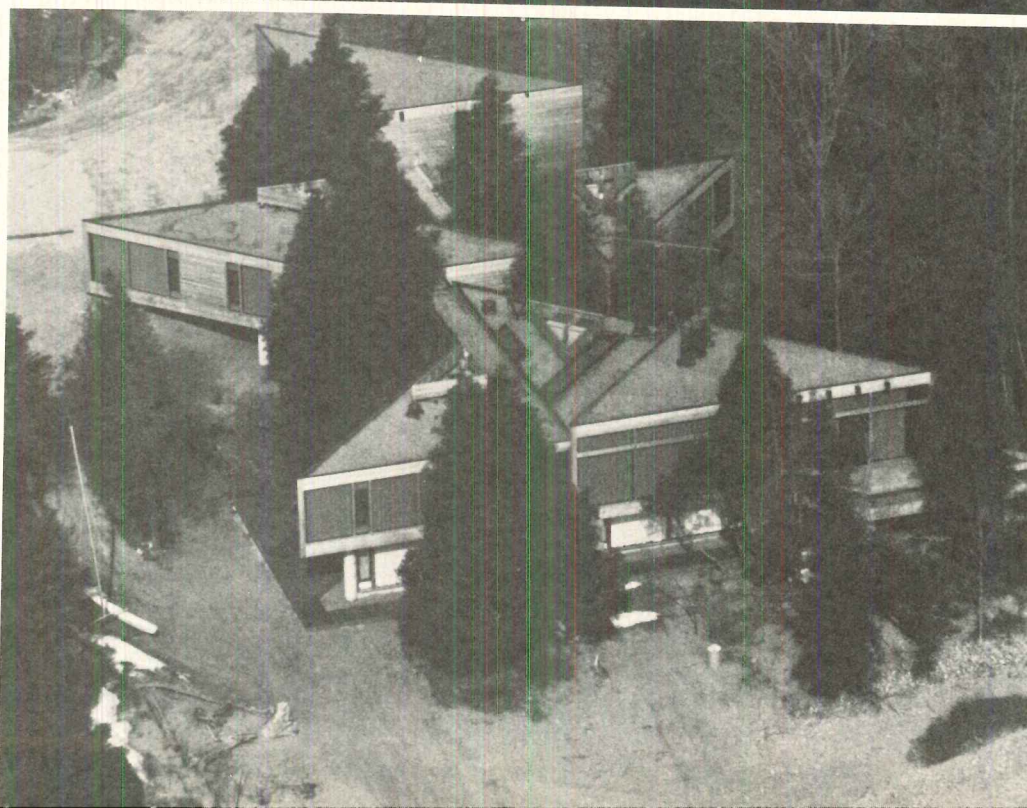
Location: Lakeport, Michigan

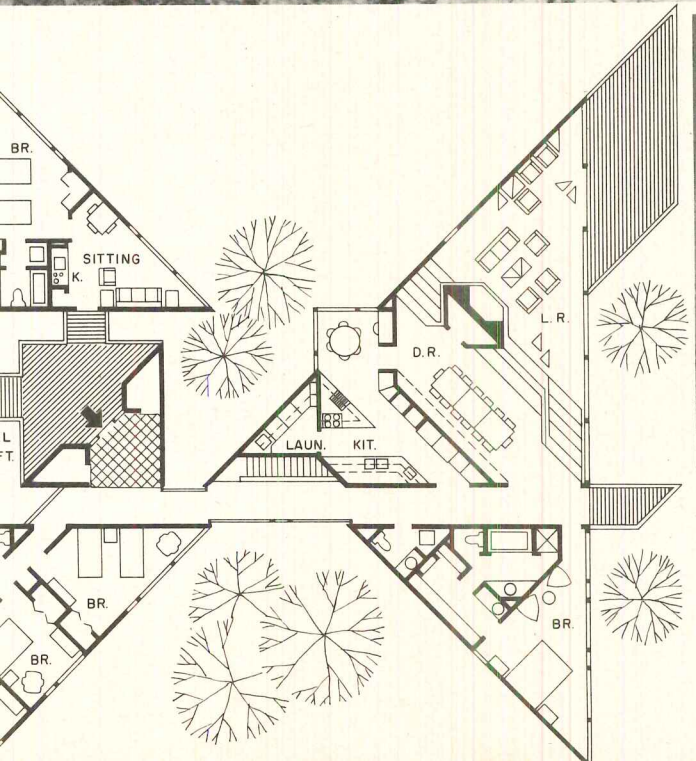
Engineers: McClurg Associates (structural)
Sanctorum & Associates (mechanical)

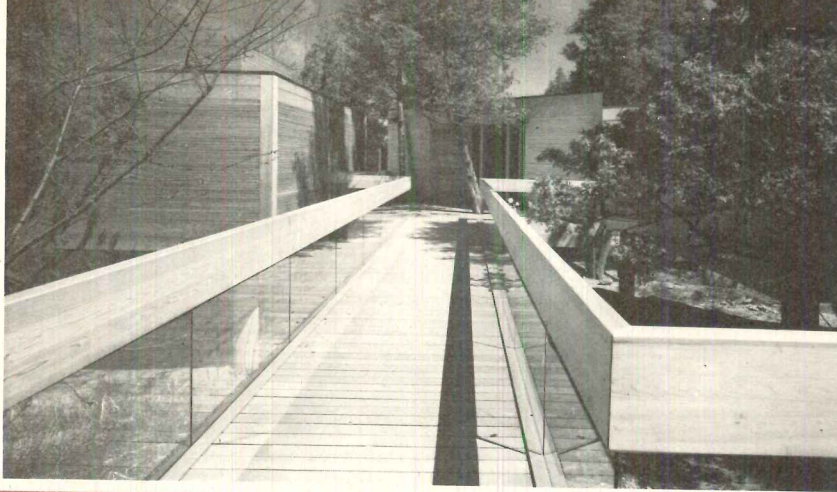
Harry Hoffman (electrical)

Contractor: John Keils

Photographer: Balthazar Korab





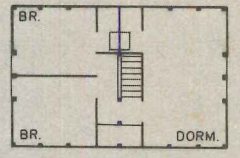
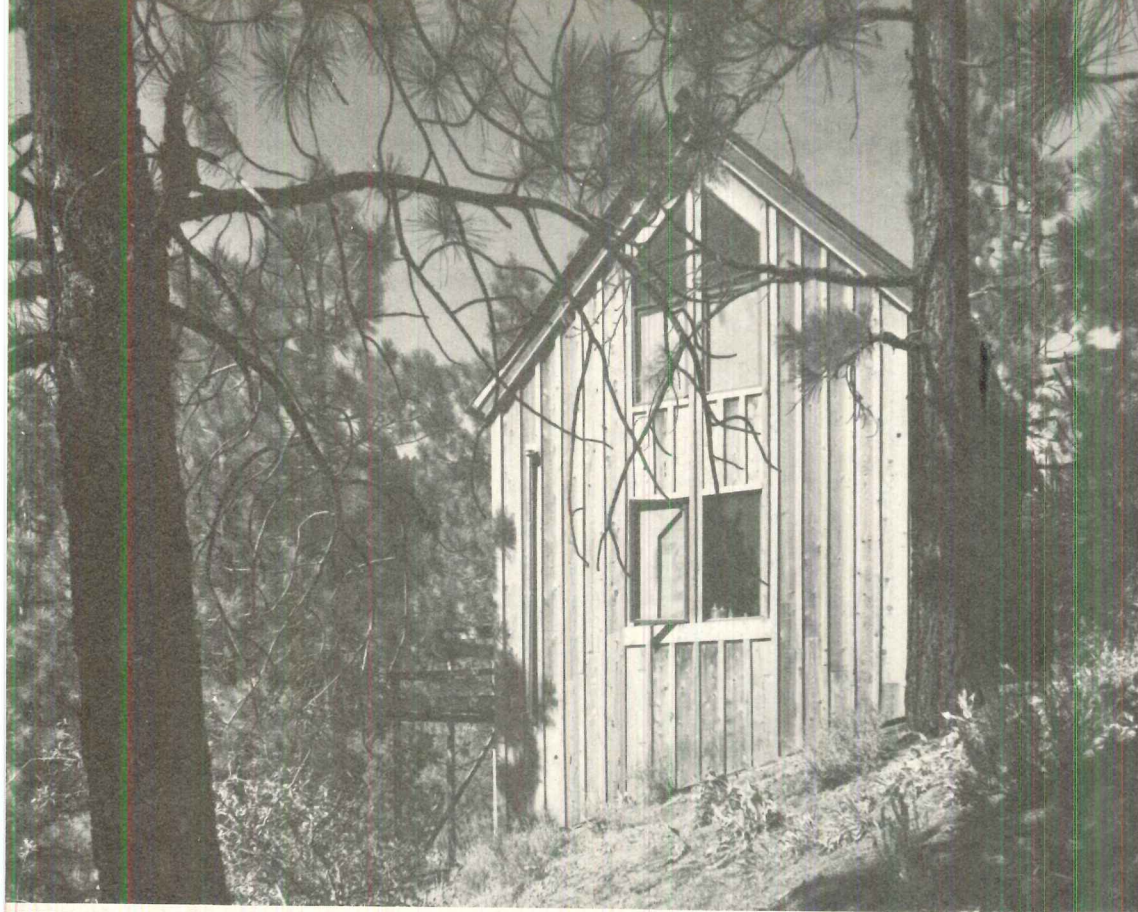


COVILLE HOUSE
BY WILLIAM KESSLER
AND ASSOCIATES

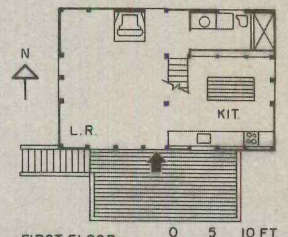


The principal finish materials are cedar siding, drywall, carpet, travertine marble, ceramic tile and bronze glass, which are used in generous amounts. The detailing of these materials, as in the carpet (photo left), is designed to reinforce the triangular vocabulary of the house.





SECOND FLOOR



FIRST FLOOR 0 5 10 FT.

The upper level contains bedrooms with a dormitory character. The middle level, reached from the bedrooms by a stair-ladder, includes living, dining, kitchen and bath. The lowest level (not shown in plan) is an equipment storage area with an earthen floor.



**ROBERT KINDORF
AND HIS FAMILY BUILD
THEIR OWN RETREAT
ON A MODEST BUDGET**

Without power tools, without heavy equipment, without, in fact, outside help of any important kind, the Kindorf family, five-strong, built this appealing, three-level cabin on a two-acre site in Plumas County, California. The site is choked with pine and dips down to a large creek where swimming and trout fishing are seasonal preoccupations. The cabin was built over a period of three summers with cabinetwork and furniture construction occupying the long winter months in between.

The cabin has no electricity. Light is provided by kerosene lamps and heat by a Franklin stove. A 500-gallon, gravity-fed water tank supplies domestic needs and sewage wastes are

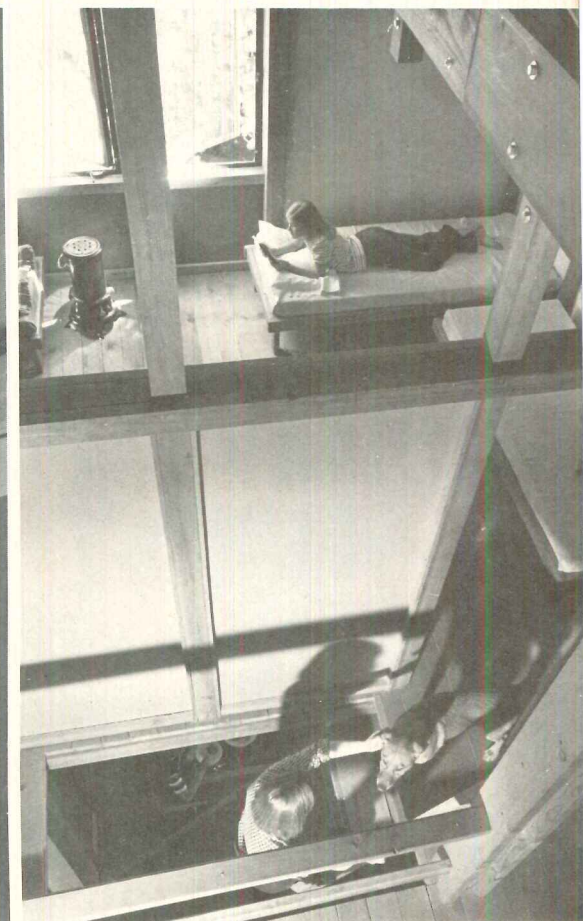
chemically treated and stored. The absence of modern conveniences is in no way deprivative, for the family agrees that the simplified life style that results is fun and greatly heightens the sense of place.

Clad in cedar board and batten over plywood sheathing and 4- by 4-inch wood studs, the cabin has a simplicity and structural logic plainly visible in the photos. Its living and sleeping arrangements have a pleasant informality and its detailing and finishes are minimal.

Because of its inherent modesty and the very special circumstances surrounding its construction, the Kindorf cabin was built for the astonishingly low figure of \$5 per square foot.



*Architect and owner: Robert Kindorf
245 Draeger Drive
Moraga, California
Location: Plumas County, California
Contractors: The Kindorf family
Photographer: Philip Molten*



To ease the erection process, Kindorf framed out the floors in doubled 2x6s, bolted in place, and the roof in 2x8s, also paired. Floor planking is white fir, roof is galvanized sheet.



**RICH, COMPLEX SPACES
IN CONNECTICUT HOUSE
BY LEONARD PERFIDO**

This is a wonderfully complex house full of spaces that are complex in shape, opened by surprising changes in ceiling height, and lit by windows in unexpected places. The strong diagonal planes were arranged to create varied outdoor spaces—some sunny, some shaded—open to the rocky and wooded site in Weston, Connecticut. Inside (see plan opposite and interior photos, next spread), the walls—all at a 45-degree angle—create rooms that are unconventional in shape but, upon study, prove to be not only fun but functional, within a plan organization that is well zoned and meets a difficult program. The house was built to accommodate a young couple both of whom work, their young son, a person who cares for the child, and three sons from a previous marriage who visit for a few weeks at a time during the year. On the ground level (see plans), is the young son's bedroom with large closets for toy storage and a built-in desk; and a room for his nurse which could in the future serve as a guest room. The upper level loft, open to the living room below and with tree-top views over a golf course, is the owners' work area, with a 20-foot built-in desk. A foldout sofa permits the space to double as a sleeping loft when the older sons visit.

The focus of the house is a large, irregularly shaped living-dining-library space which accommodates all of the social activities of the family. The kitchen is large, and—since both Mr. and Mrs. Gold are avid cooks—it has a large institutional range. The reading-sitting area in the main living space opens to the master bedroom suite.

The 2,900-square-foot house is finished inside and out with clear cedar.



Architect: Leonard P. Perfito
6415 Howe Street
Pittsburgh, Pennsylvania

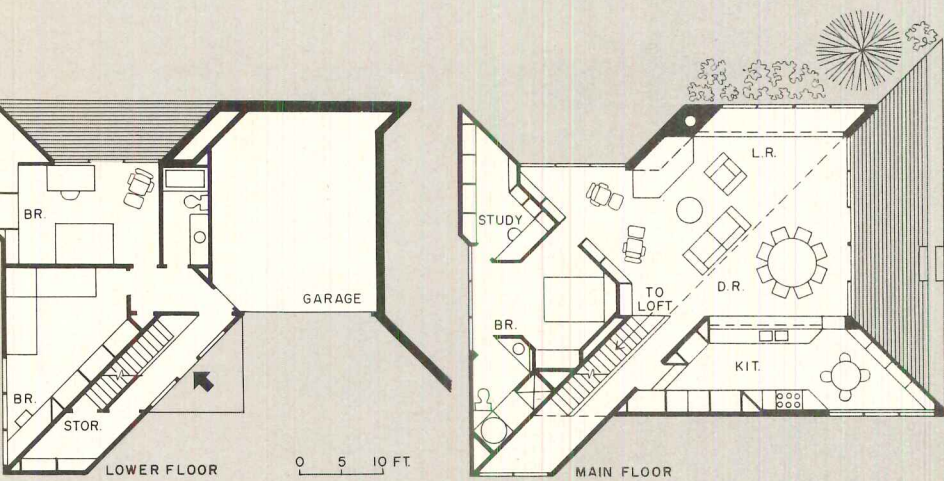
Owners: Michael and Sirje Gold

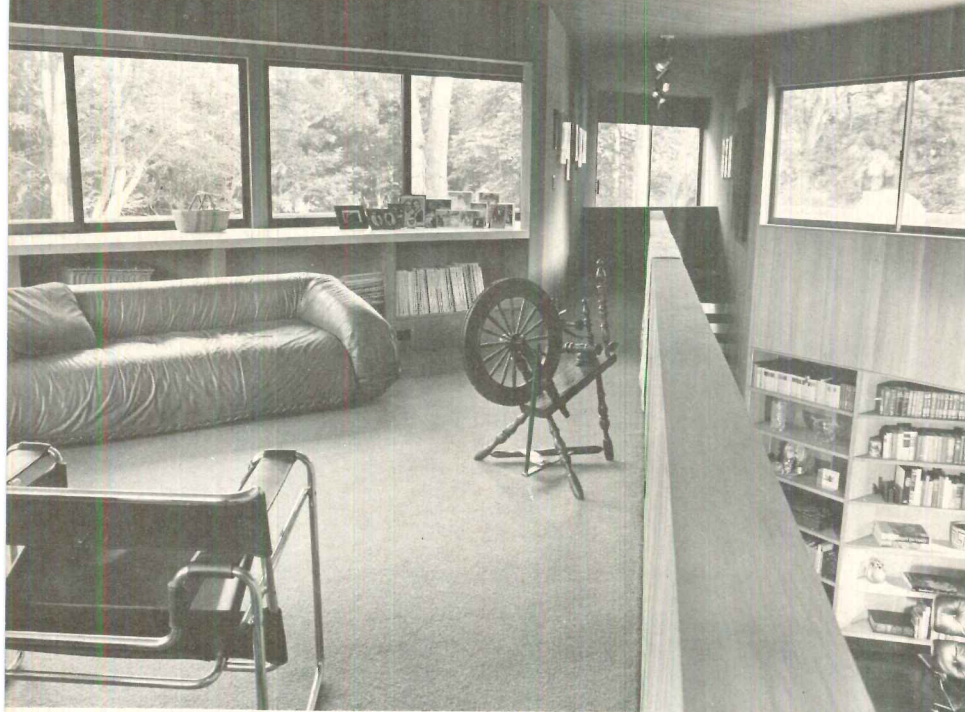
Location: Weston, Connecticut

Structural engineers: Robert Silmann
Associates

Contractor: Michael Sochacki

Photographer: Maris/Semel

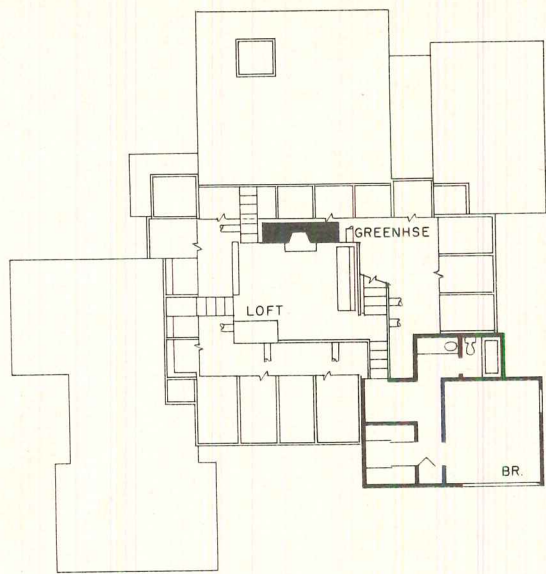




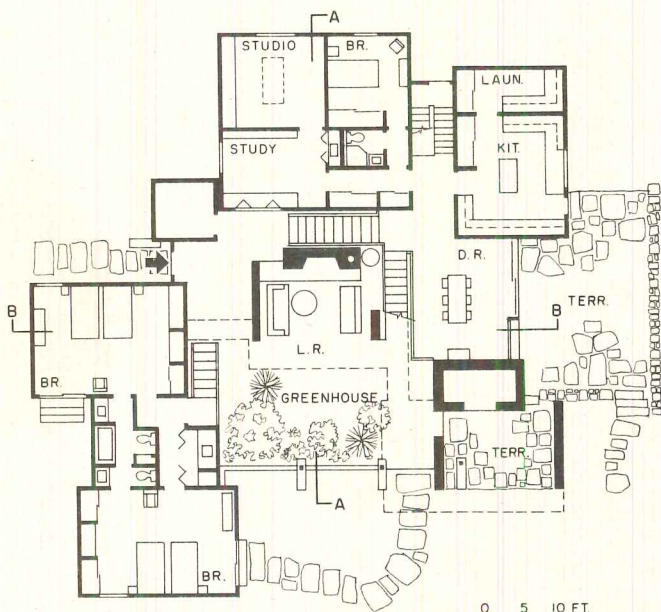
The rooms of the Gold house by Leonard Perfito, shaped by strong diagonals, are irregular in shape and height. At left is the working area for the owners, which doubles as a sleeping loft when older sons visit. The other three views show how the dining area, main living space, and library-sitting area flow into each other. Space and light are borrowed in all directions . . .







UPPER LEVELS



MAIN LEVELS

AS MUCH FOR PLANTS

AS FOR PEOPLE:

A CONNECTICUT HOUSE

BY JOHN JOHANSEN

The inventive thread that runs so persistently through John Johansen's work is evident in this Connecticut house both in its planning and in its detail. The owner has a professional interest in plants, including exotic species, so the house was conceived as a tall greenhouse, flanked on three sides by simple wood enclosures that contain bedrooms, kitchen, laundry, studio and garage. Outdoor decks, on top of two of these enclosures, are an added amenity. Uniting all of these—and giving the exteriors whatever formal properties they may be said to have—is a remarkable, 30-foot-high volume, framed in actual greenhouse sections, that contains living and dining platforms and, underneath, an intimate, grotto-like den with stone fireplace and earthen floor.

An elaborate and winding system of stairs connects the five separate levels within the greenhouse. Constructed of steel tube stringers and pipe handrails, both painted bright red, the stair system energizes the interiors and intensifies their already kinetic qualities.

A second, even more linear design element is the system of ex-

posed ductwork. Hung from ceiling of the den, these polished sheet metal tubes branch out in various directions, delivering temperature through adjustable outlets to people and plants in any part of the space. This kind of ductwork, until recently regarded as a technical slang within the normal vocabulary of design, is given legitimacy and elegance.

The glazed walls are double-thick for insulation and fitted with operable metal blinds to control the light. But even with these controls, humidity and temperature are balanced as much for plants as for people in a frank acknowledgement of their environmental interdependency.

And this is not the design ambiguity. Looking through rows of potted plants toward the lovely wooded site, the distinction between what is and what is not becomes pleasantly blurred—only to be resolutely blurred again, by each successive change of vantage.



Architect: John Johansen
401 East 37th Street
New York, New York 10016

Private residence

Location: Central Connecticut
Engineers: KBNA/B Associates (structural)
John Altieri (mechanical)

Interior designer:

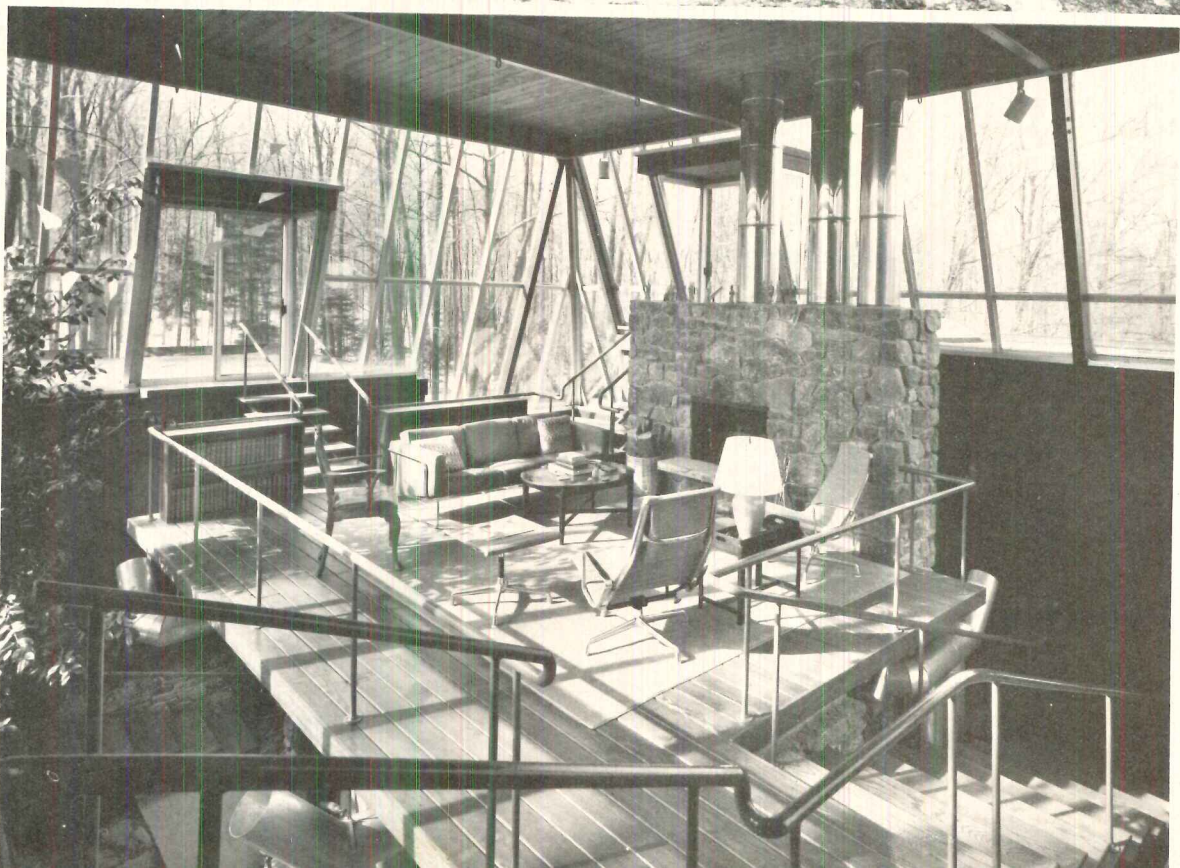
Maria Radoslovich

Landscape architect: Multi-service

Contractor: Gilligan Brothers

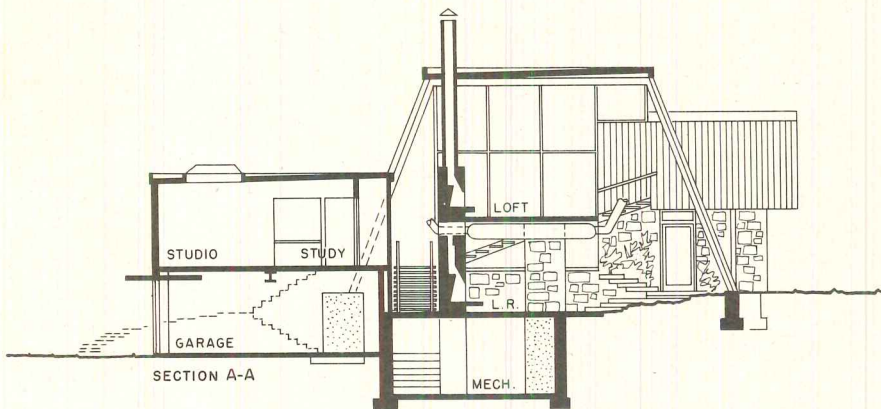
Photographer: Norman McGrath

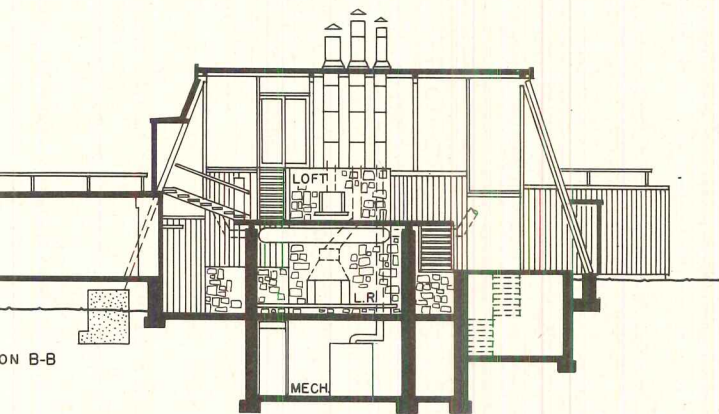


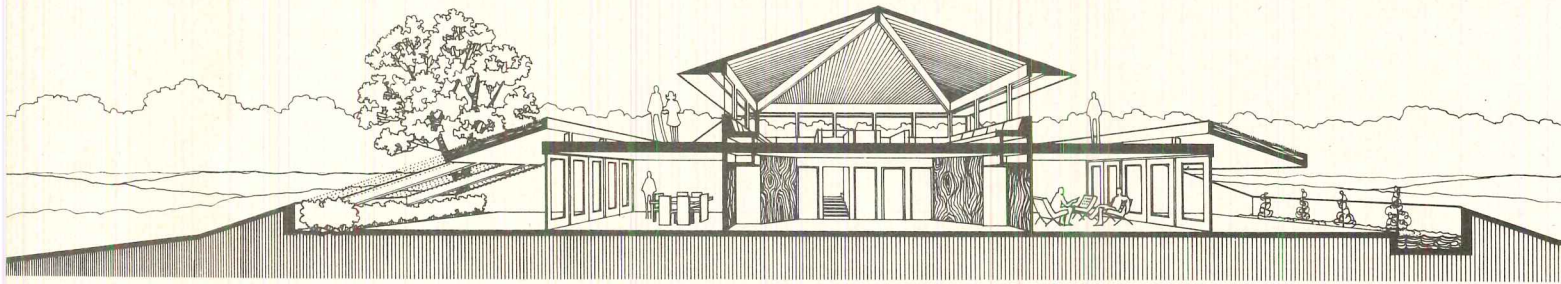




PRIVATE RESIDENCE BY JOHN JOHANSEN









FORM HOUSE
LIAM MORGAN
S FLORIDA'S
OLONIAL PAST

lished as a project (September 1972), this house in central Florida sits on the crest of a hill that overlooks citrus groves on the valley 230 feet below. From its elevated level, tucked under a roof, the owner can look in any direction across enormous expanses of view that reach into surrounding counties. Architect reports that on one day from this vantage he was able to count seven separate thunderstorms in progress simultaneously. Sharp contrast, views from the elevated level are confined and dramatic. The ends of the cruciform structure open through glass walls (small partially-enclosed spaces, as seen in photo above) which, by their different orientation, architectural treatment and planting, offer a variety of sensory experiences. The structure is reinforced with concrete block with tie beams, and a concrete slab

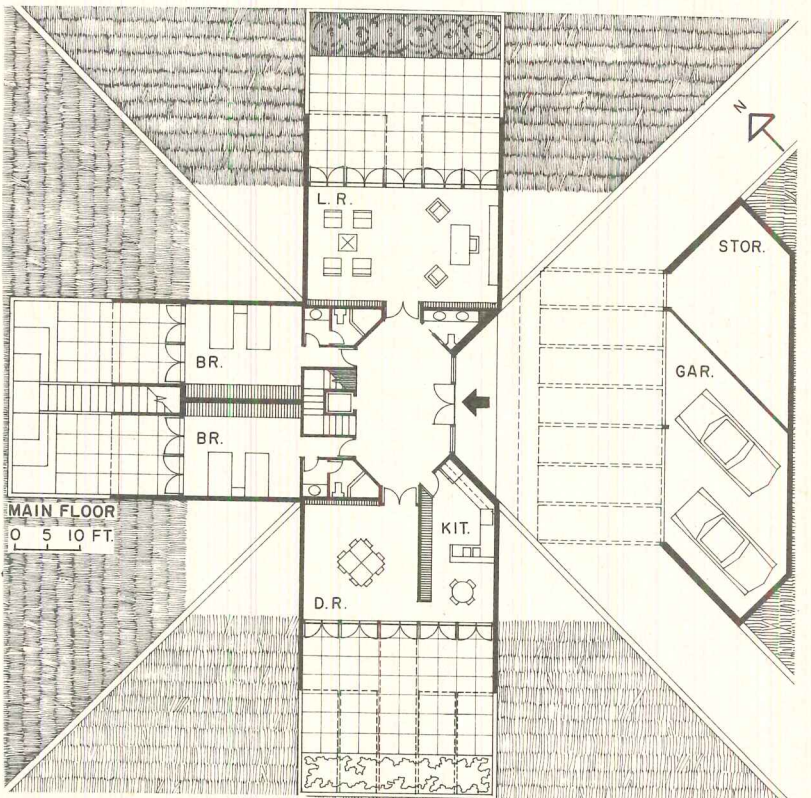
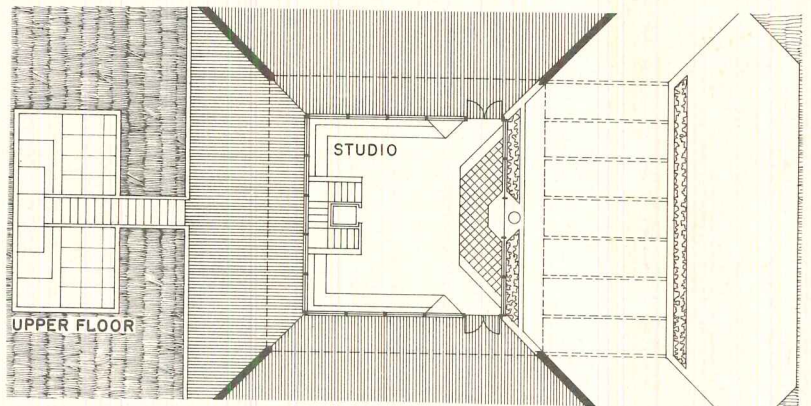
poured in place. All exterior walls are earth-insulated except where glazing occurs. Partitions are plaster board on wood stud, glass is solar gray tinted, and the roof is finished in clay tile.

The original elevation of the hilltop was just about the level of the first floor slab. The pyramidal flanks of the building, therefore, represent an extension of the hill inclined upward at about 18 degrees.

In addition to being a graceful and interesting solution for this exposed but isolated hilltop site, the parti is reminiscent of earth mound buildings developed centuries ago by the various Indian tribes that inhabited central Florida before its present settlement. Reinterpreted here, the earthform idea seems just as compelling today.



Architect: William Morgan
project architect: Thomas A. McCrary
 220 East Forsyth Street
 Jacksonville, Florida
Private residence
Location: Central Florida
Engineers:
 Haley Keister (structural)
 Roy Turknott (mechanical)
Contractor: Howard Woodward
Photographer: Creative Photographic Svc.





TOTALLY FREE
CALIFORNIA HOUSE BY
KIRBY FITZPATRICK

At 60 miles north of San Francisco, near the Napa Valley town of St. Helena, this weekend house, about 1,700 square feet, is set on a hilltop clearing beneath a grove of pines.

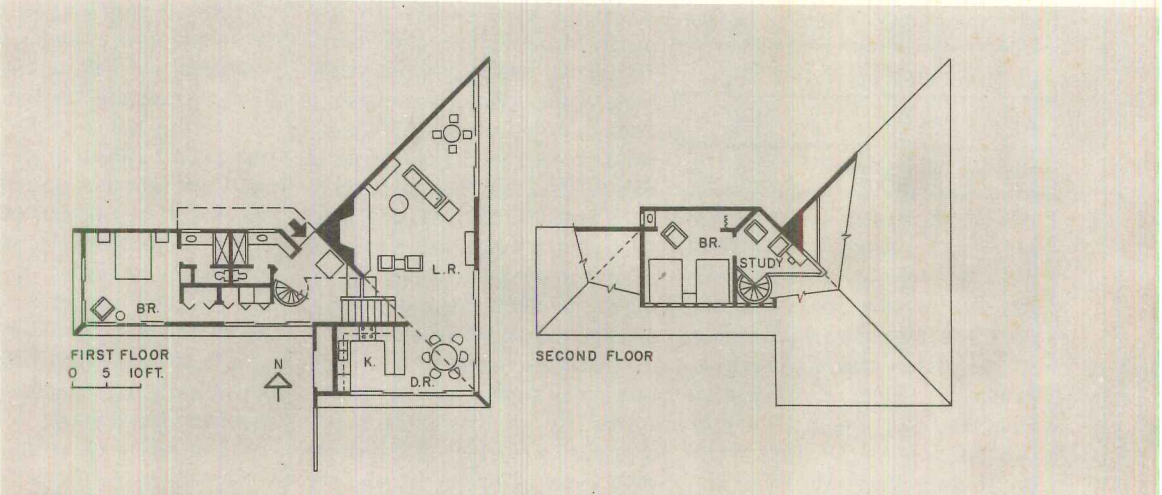
Now and again, one can hear the leaves and branches fall onto the steep, four-clutching hip roof, laid with red cedar shingles, pitching down over good-sized living, entertaining, and sleeping areas.

Because of the slope, the house descends in steps, with two levels. At the entranceway, at the end of a mile-long drive, the second level, containing a guest bedroom, protrudes over the front porch, and, to assure privacy, no windows or openings are placed on this level of the house. The lower-level living spaces, which the guest bedrooms overlook, are expansive, opening out to the surroundings, embellished with examples of California Area art. In a spatial free-for-all, the living room flows into an eating area, kitchen-eating area and, adjacent, the owner's study.

The planes of resawn, knotty fir, used outside as well, and the overhead beams of fir, set up a varying play of surfaces that is held in place by a hearth of yellow River travertine (browns, from way up in the Sierras. Daylight and moonlight take turns, the skylight above the hearth, the room being luminous even in the dark when, most usually, the sounds can be heard going bump in the night round about the terrace laid down in local fieldstone and bordered with ferns.

Things going bump in the night are what the design is meant to be. Which is why the open-plan living of the house can be closed off with big rolling glass doors that bolt into the concrete aggregate slab.

Like life in these parts, this house has a well-organized nonchalance; its elements work and play as its occupants do, with no pretense as to which is which.



Contact: Kirby Ward Fitzpatrick
 1000 Sutter Street
 San Francisco, California
 Residence
 Location: St. Helena, California
 Landscape architect: Jonathan Herr
 Contractor: H.S. Meinberger and Son
 Photographer: Jim Ball



**A SWEEPING ARCH AND
A SALTWATER MARSH:
KEY ELEMENTS IN THE
PETER WOERNER HOUSE**

"To me, the marsh is a microcosm of life itself, constantly in a state of flux, never static, changing with the seasons, the days, with the tides, with the constant procession of wildlife—ducks, herons, hawks, shorebirds all feeding on what the tide brings in or, in ebbing, uncovers. . . ." Thus architect/owner Peter Woerner de-

scribes his view—a 90-acre tidal marsh facing Long Island Sound. The actual site is a long granite ridge at the edge of the marsh, a ridge that steps down to the eastward suggesting a natural series of half levels. Here, behind a scrim of hickory and oak, Woerner sited his house, a house he envisioned as springing from, and then returning to, the earth in a pure form—an easy and effortless arc.

On the uppermost level, under the arching roof form, the owner has a master bedroom, dressing room, bath and private deck overlooking the marsh. The

level below is given over to guest bedrooms and a studio that are separated by half a level. The lowest levels are kitchen, dining and living spaces, the dining space being framed in greenhouse sections (photo opposite) and opening to a southern exposure. The architect reports that the greenhouse provides a passive solar heating situation with the brick floor over the ledge serving as a heat sink. The living room, drawn back from the glass wall, is sheltering and intimate.

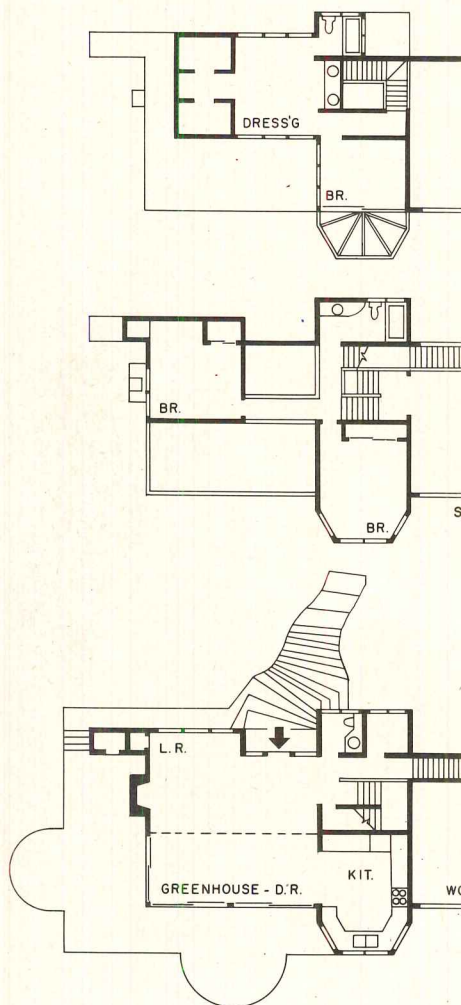
The main perimeter arches were laminated from 2 by 12

planks of Douglas fir with 1/2 inch thickness of plywoodwiched in between. All joints are scarfed and staggered. Joists between the arches and the structure is covered with 1/2 inch thickness of plywood which acts as a vast stressed skin.



Architect, engineer, owner, contractor
Peter Kurt Woerner
182 Leetes Island Road
Guilford, Connecticut
Location: Guilford, Connecticut
Graphics consultant: Christina Beebe
Photographer: Robert Perron





All the principal spaces in the Woerner house open through large expanses of glass to views of the marsh. The studio, photo above, is glazed using a standard industrial sash cut at its edges to fit the curvature of the roof. The plans show a simple, compact, well organized space.



APARTMENTS OF THE YEAR

The purchasers of Record Apartments have, of course, decided to buy instead of to build. But they are nonetheless interested in design quality, and the six multi-family projects that follow are successful in their efforts to go beyond the demographic profiles and the market analyses that so often seem to serve both as limits and as ultimate design goals in this building type. Located on sites as widely spaced as Newport, Rhode Island and San Francisco Bay, each of these six is matched to its site with the utmost care. Each has a consistent internal logic that influences its design down to the smallest details. And all—whether large or small—are abundant in the physical images that provide a sense of place and of enrichment.

The case for this kind of housing was made decades ago in this country and earlier elsewhere. Our purpose here is to encourage its development, to hasten a time when this kind of design quality is as much the rule for owners who buy as it is for those who build.—*B.G.*

OLD AND NEW MIX IN

PENNSYLVANIA ESTATE

BY BOHLIN & POWELL

Newberry Estate is a 325-unit apartment project located on an 86-acre property in Dallas, Pennsylvania. Existing on the site were a large private residence, a caretaker's cottage, a barn group and a greenhouse. The landscape varied from lawn and formal gardens to orchards, open fields and woodlands. A small stream extends diagonally across the site.

Making use of these existing resources, the architects arranged the structures in clusters around a loop road that winds in a lazy way around the property. The old barn group (photos lower right) became the project's center and includes dining spaces, a pool, a pro shop and a raised terrace. A covered walk links these spaces, which pivot around the old grain silo. The venerable estate house has been converted to an inn and a nine-hole golf course was carefully fitted into the estate's pattern of open spaces.

New construction consists of conventional wood and light steel framing clad in cedar siding and trim to harmonize with the existing structures. Principal living spaces turn outward from the cluster toward the open landscape, and parking, wherever possible, has been shielded by screens or earth mounds. Extensive use was made of balconies, recessed terraces with solid side walls, and intimate courtyards to protect the privacy of each dwelling unit.

What is most successful, perhaps, is the mating of old and new elements at Newberry Estate. No effort was made to hide the seams, but great care was taken to integrate the two in ways that would bring out the inherent qualities of each.



Architects: Bohlin and Powell
182 North Franklin Street
Wilkes-Barre, Pennsylvania and
Gateway Towers, Suite 235
Pittsburgh, Pennsylvania

Project name: Newberry Estate

Owner: The Troup Fund, Inc.

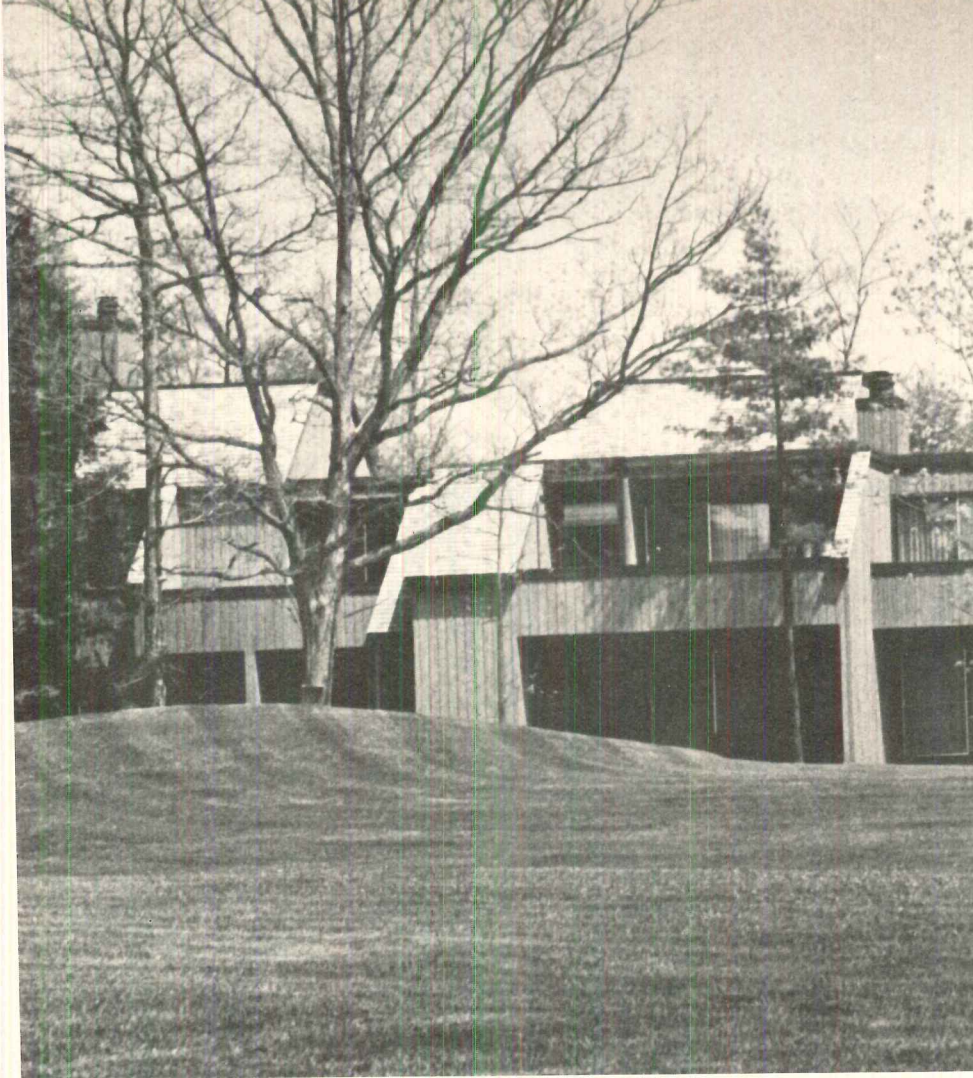
Location: Dallas, Pennsylvania

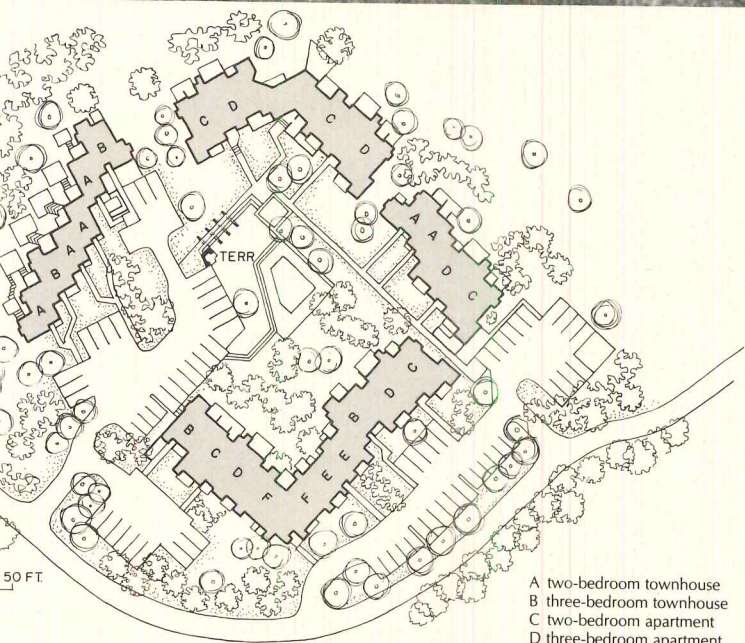
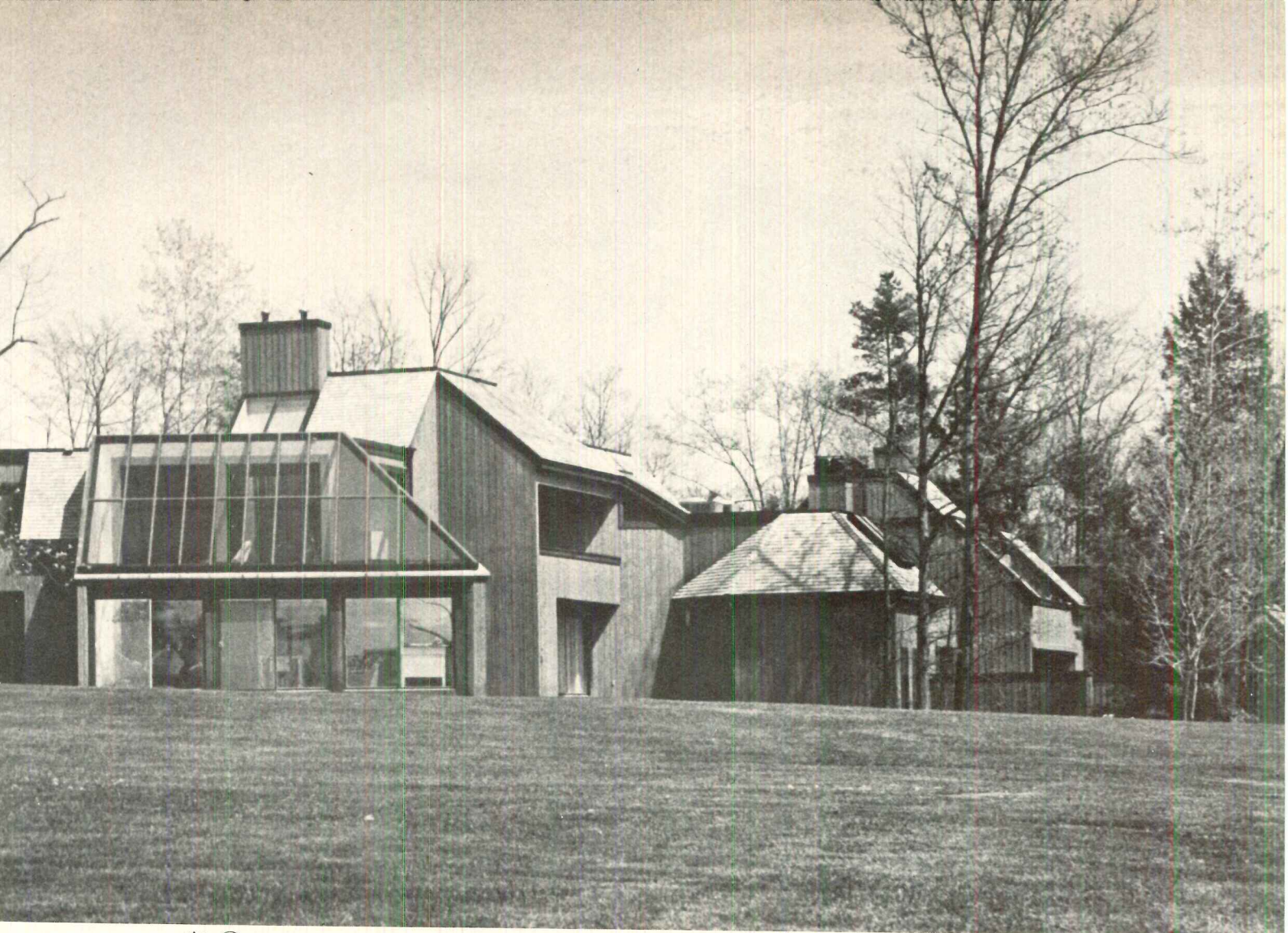
Landscape architects:

John Brown & Associates

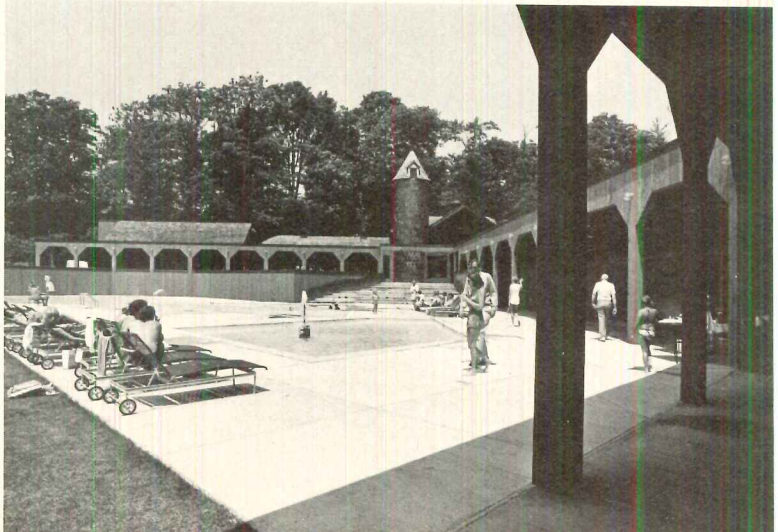
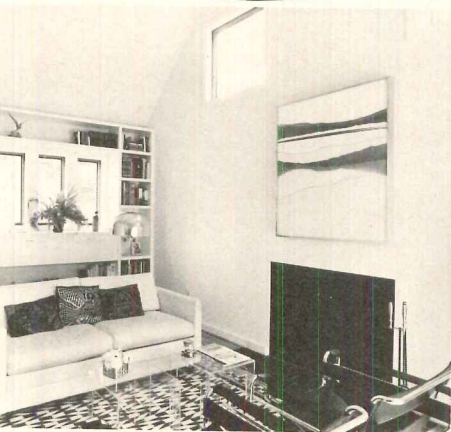
Contractor: Mushal Construction

Photographer: Sandy Nixon





- A two-bedroom townhouse
- B three-bedroom townhouse
- C two-bedroom apartment
- D three-bedroom apartment
- E two-bedroom efficiency
- F one-bedroom efficiency

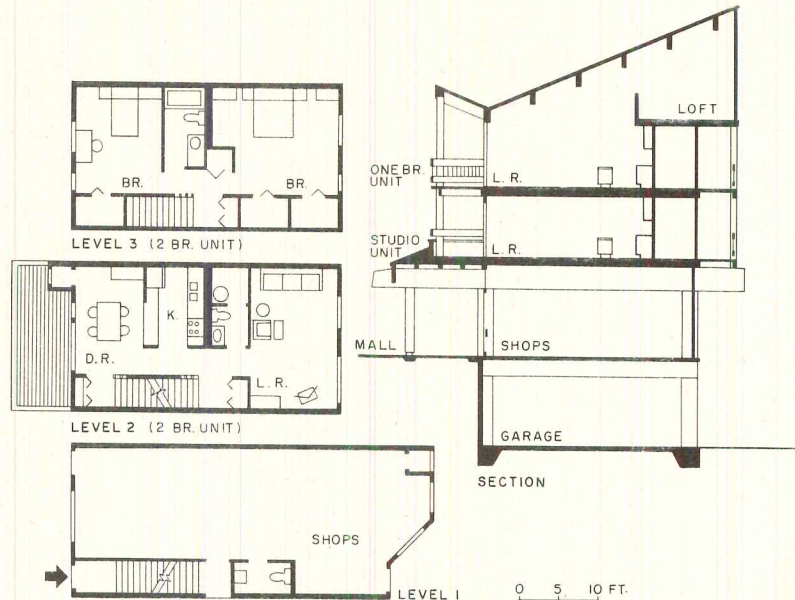
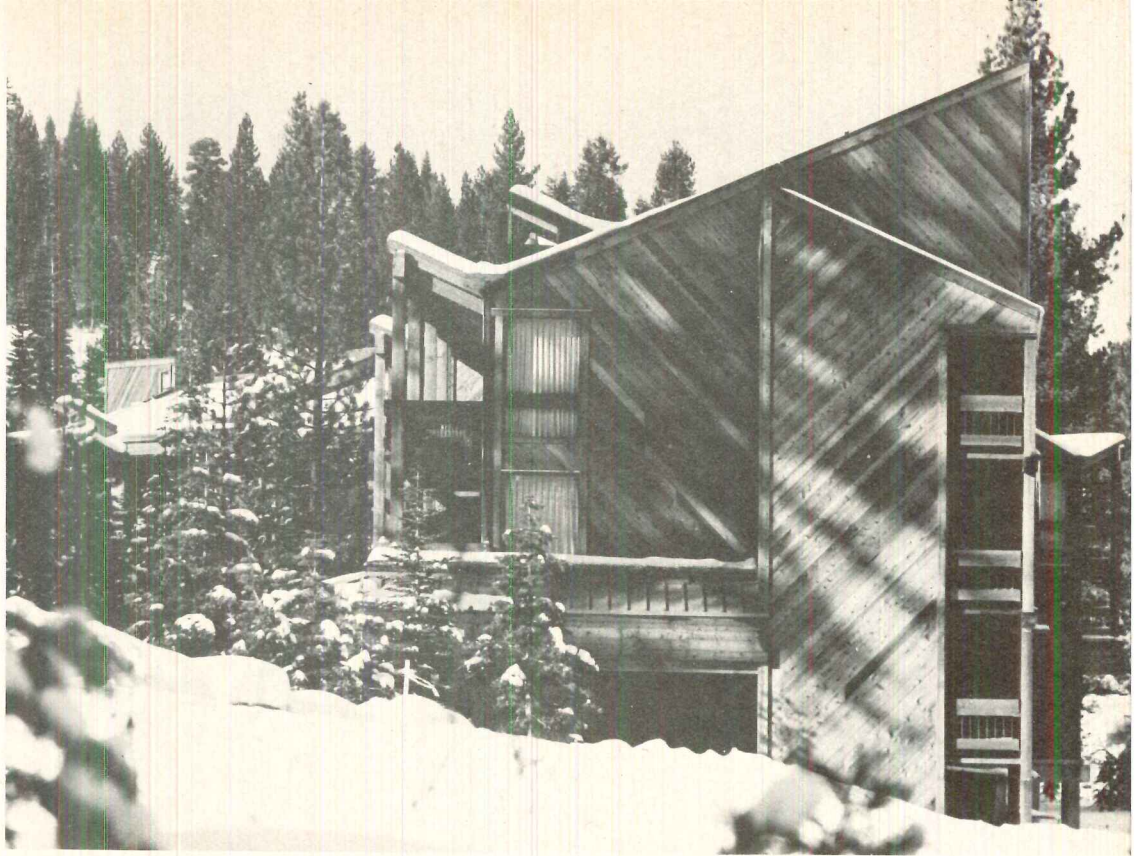




DE HOUSING ON
 PEAN PROTOTYPE
 ULL FIELD
 KMAN STOCKWELL

the snows come to Lake
 so do the skiers—and in in-
 g numbers each year. Not
 his beautiful region's recent
 oment has been praise-
 y, but Northstar Village, by
 cts Bull Field Volkmann
 ell, has been designed and
 with sensitivity to its sur-
 ings as well as to the recrea-
 eeds of its users. It is also
 n a European resort model,
 ving tidy, compact planning
 les that emphasize a sense
 munity rather than individ-
 atial amenity. Most living
 (see plans) are minimal
 ompared to other second-
 evelopments, but the first
 of this project has sold well
 other grouping of similar
 ow in planning. When it
 eplete, the two groupings
 lose a central plaza that
 t as a gathering point and
 or the whole development.
 e section at right reveals
 anning scheme concisely.
 ential units, located on the
 evels, have their own ac-
 nd parking underneath.
 g all the units is a low ar-
 n the plaza level lined by
 iving windows and restaurants.
 ies over the arcade give
 inium owners views into
 ntral plaza or to the slopes

l.
 e structures are heavy
 rame clad in cedar siding.
 he roof, finished in blue
 adds an accent of color to
 t with the natural tones of
 The characteristic roof
 designed to protect against
 les caused when the rela-
 warm interior spaces melt
 w by day and sub-freezing
 atures refreeze it at night.




 s: Bull Field Volkmann Stockwell
 rchitect: Steven Kodama
 : Serge Bicking
 ific Avenue
 ncisco, California
 ame: Northstar Village
 rimont Land Company
 Placer County, California
 :
 Forsberg, Dickmann & Schmidt
 al)
 & Moore (foundation)
 Cerbato & Tomasi (mechanical)
 or: Murchison Construction
 her: Tom Lippert



THE VIEW'S THE THING:

LOW-COST HOUSING BY

KAPLAN & McLAUGHLIN

A prime site in Marin County north of San Francisco—with spectacular views to San Francisco and man-made lagoons—is the location of Hilarita apartments, a Section 236 Federally-assisted housing project. While only 102 units occupy the 12.8 acre site, there was a limited area on which to build, because of a commitment of 4.5 acres as open space (as part of Tiburon's trail and park system) and poor soil conditions. The instability of alluvial clay soil throughout, and the necessity to meet building codes for earthquake resistance, meant extensive soil preparation before construction (including earth fill, installation of drains, benching, and earth buttressing to contain fill). Foundations consist of drilled concrete pier footings and poured-in-place concrete grade beams. The buildings' low profile on the hill was a solution to the desire to not obstruct neighbors' views and to economic considerations (for construction costs escalated during litigation which plagued the project).

Despite all these proscriptions, the project was designed to permit every unit a view. Other amenities include a private entrance for every apartment; parking near units (though separated); and little abutment of units, for noise control. Community spaces are grouped near the entrance, with a playground adjoining an all-purpose center, containing the manager's and maintenance offices, laundry facilities, a meeting room, and space that can be converted to a day-care center in the future. Exterior material is rough-sawn redwood plywood.



Architects: Kaplan/McLaughlin
partner-in-charge: Ellis Kaplan
project designer/manager: Peter Gordon
407 Jackson Street
San Francisco, California

Project name: Hilarita

Owner: Tiburon Ecumenical Association

Location: Tiburon, California

Engineers: Toft & de Nevers (structural)

Harding-Lawson Associates
(soils/foundation)

Frost & Meglio (civil)

Mel Cammisa (electrical)

Landscape architects: Kaplan/McLaughlin

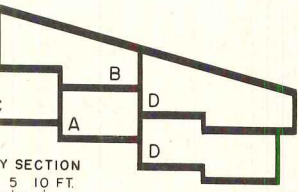
Consultants: E. M. Schaffran & Co.

(financial management and planning)

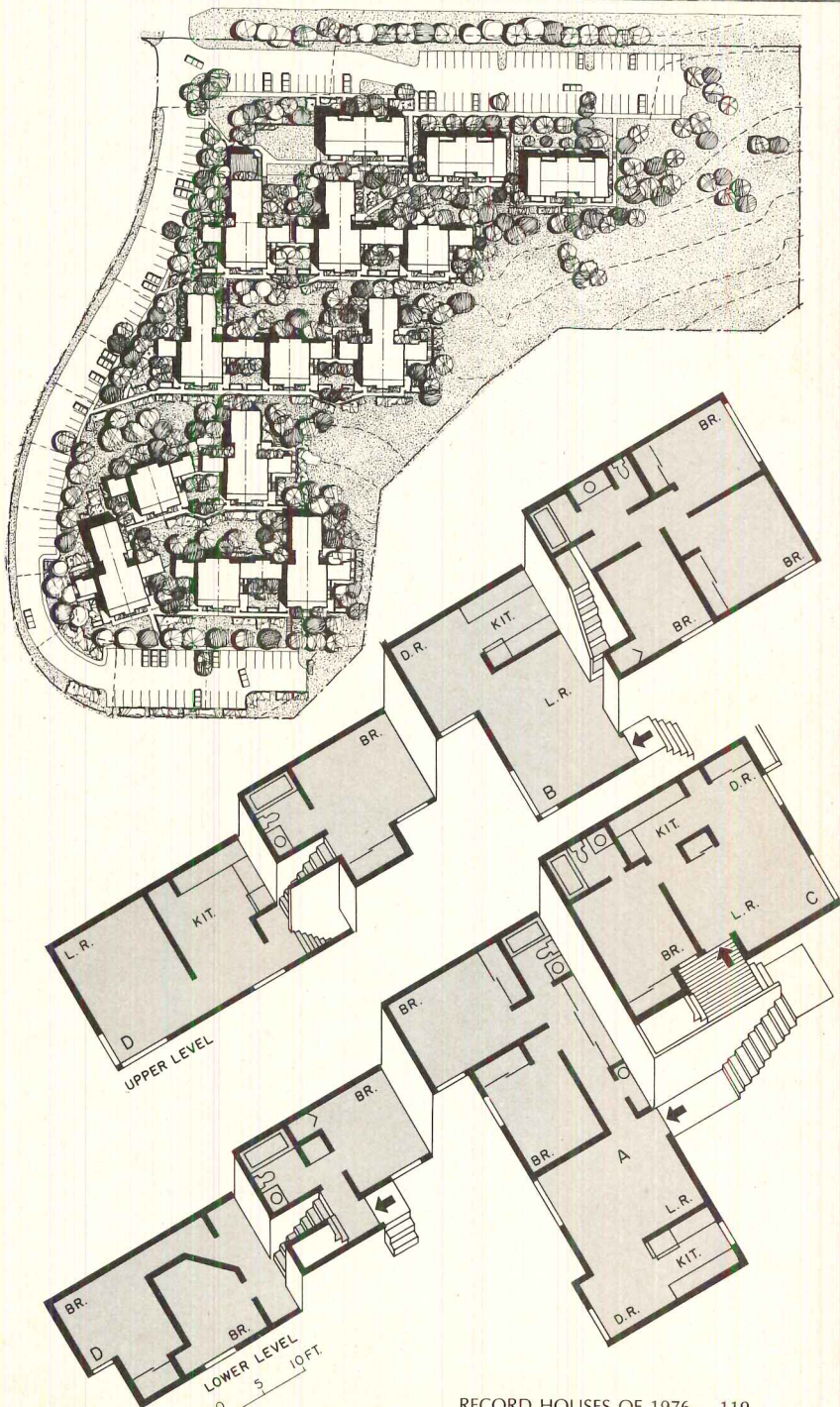
Contractor: Williams & Burrows

Photographers: Joshua Freiwald (exterior)

Jeffrey Heller (interior)



The low profile of project is enhanced by the clear, sharp line of roofs (left). Most units have fenced-in private terraces (bottom); six units share a common open area. Interior spaces meet residents' needs, for architects met with tenants during planning stage. The steep slope affords multi-level apartments and diversity in ceiling heights.



HOUSING FOR A CITY
IN CHANGE BY GLASER
DECASTRO/VITOLS



When the large naval base at Newport closed several years ago, the small, historic, seaport town faced an uncertain and changing future. Though it had always enjoyed a flourishing summer trade—it hosts a summer jazz festival and the America's Cup races—the need for a stable, year-round population became increasingly urgent and Brick Market Place is an effort to attract and accommodate that population.

Built on a 3½-acre site that was once part of a strip of sail yards, right on the harbor front, the project includes 44 residential units of various size, 10 offices and 30 specialty shops—all set back by surrounding neighborhoods by circumferential parking for automobiles. Within the island created by this parking, the site is paved in brick and warmly landscaped. The broken roof line is created by alternating two- and three-story residential units for visual enrichment and they terminate to enclose courts and subcourts that give the plan an agreeable scale and relaxed, inviting character. Openings between the rows of houses offer carefully framed vistas to the water. The informal massing, the "punched-out" orientation and the use of wood siding as a principal exterior finish combine to relate Brick Market Place to the rest of the city.

The range of residential units offered here embraces one-, two- and three-bedroom apartments plus a small number of tripartite townhouses. Nearly all (photos) have views of the harbor.

In this Bicentennial year, especially pleasing to note an historic American city building adapting nicely to change.



Architects: Glaser/de Castro/Vitols
Chalermpol Intha, designer
585 Boylston Street
Boston, Massachusetts

Project name: Brick Market Place

Owners: Westminster/Schochet Associates

Location: Newport, Rhode Island

Engineers:

Thomas Rona Associates (structural)

Samuel Lesburg Associates (mechanical)

Goodall Shapiro Associates (electrical)

Goldberg-Zoino Associates (foundation)

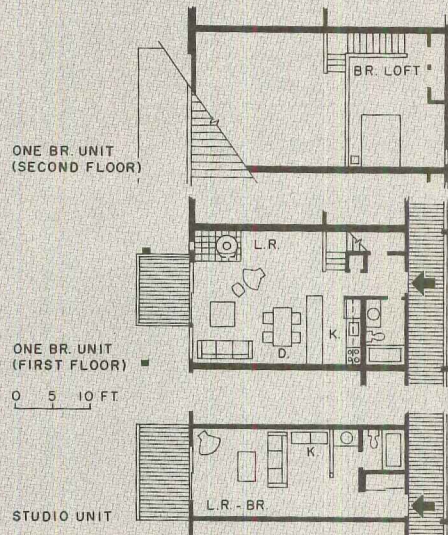
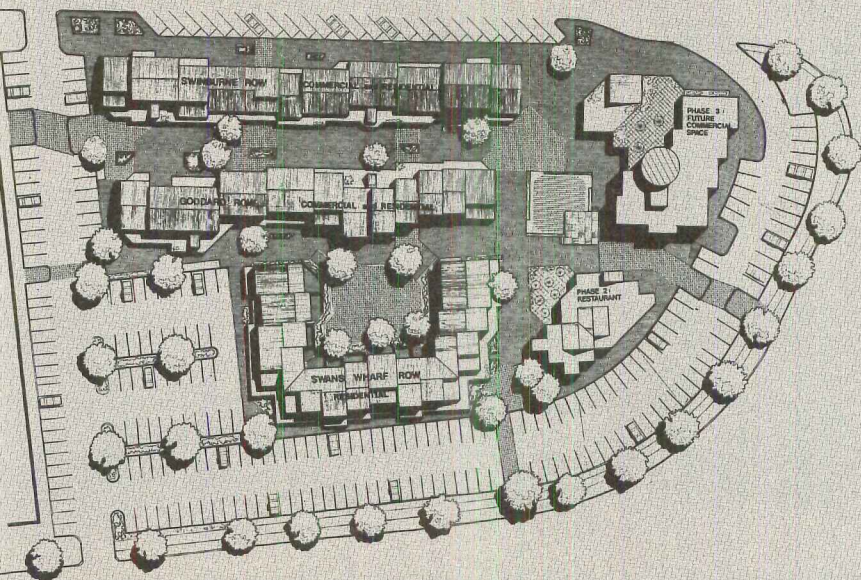
Landscape architects:

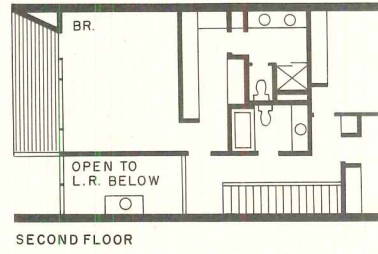
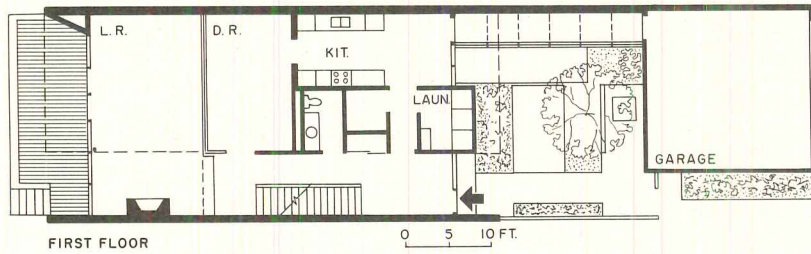
Shurcliff, Merrill & Footit

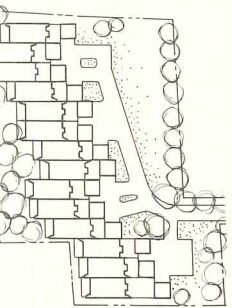
Planning consultant: Martin Adler

Contractor: Reliable Homes, Inc.

Photographer: © Steve Rosenthal







SIGMUND BLUM'S PLAN GAMBLES ON QUALITY FOR DETROIT SUBURB

On a three-acre site that had followed the too-familiar pattern of lower and lower grade uses until it has become little more than a dumping ground, architect Sigmund Blum designed this unusually spacious, 14-unit condominium project. The site overlooks a deep ravine that gives the project its name and the condominium owners a welcome, jointly-held natural amenity.

The units are a combination of two- and three-bedroom residences, grouped in a wood-clad, flat-roofed, two-story mass that steps back in a series of offsets to conform to the lip of the ravine. Each of the units has a detached, 2-car garage separated from the main entry by a private, landscaped courtyard. The spaces within are generously propor-

tioned as well as simply and sensibly organized—spatial decisions that result in an elegant rectilinear geometry with understated detail throughout. Abundant glazing at both ends of the plan ensures generous amounts of light that reach deep into the waist of the buildings. Over a portion of the living room the second floor is cut back to produce a double-height space (photo above) that adds an unexpected, but welcome, volumetric interest.

The exteriors are clad in cedar siding laid up vertically. Inside, the principal finish materials are drywall for partitions and ceilings, oak strip for floors. The use of quality finishes and the open-handed dimensioning were possible because the architect was also owner and developer. He believed that a sector of the suburban Detroit market was prepared to pay in the \$90,000 range for quality condominium housing—little of which was available in the area. Experience might have

proved him right for all 14 units are now sold but, caught up in the stagflation, sales moved too slowly—the obvious quality of the units notwithstanding. The owners, as a result, almost broke even but not quite. The architect/owner reports that he still believes the market is there but will not try again until economic conditions improve.

The construction costs for the 2,600-square-foot units were just under \$30 per foot.



Architects and owners:

Sigmund Blum, Vaporciyan & Mitch
1900 Fisher Building
Detroit, Michigan

Project name: The Village Ravines

Location: Franklin Village, Michigan

Engineers:

Nick LeBar (structural)
Gordon Hoyem (mechanical)

Landscape architects:

Grissom & Young

Contractor: Blum, Vaporciyan & Mitch

Photographer: Balthazar Korab

**ISLAND DEVELOPMENT
ON SAN FRANCISCO BAY
BY FISHER-FRIEDMAN**

Located on two islands in a large, man-made lagoon near the southern tip of San Francisco Bay, this condominium development provides a fascinating geometrical configuration in which all apartments have a view to the water. Excellent site planning and design amenities in individual units create one of the most pleasant new housing developments in the area.

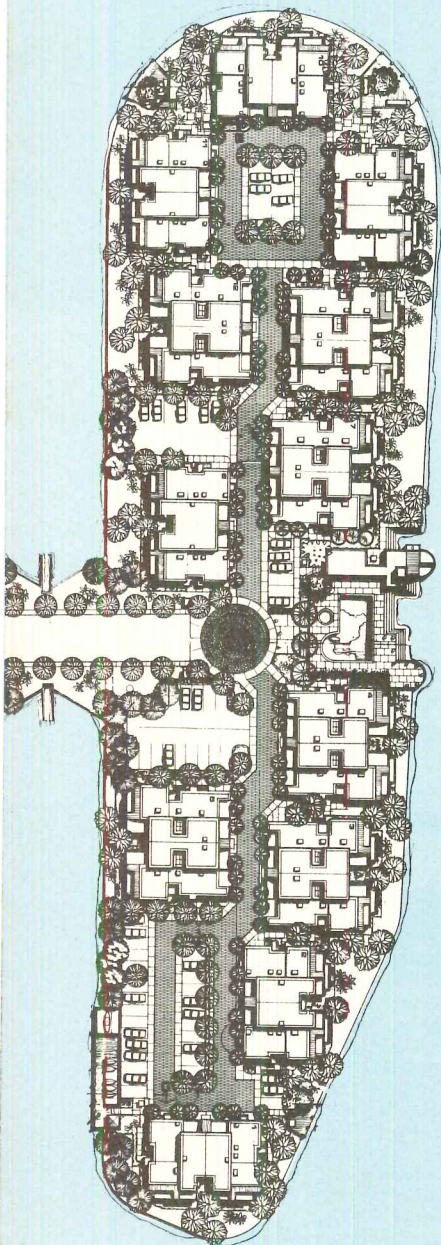
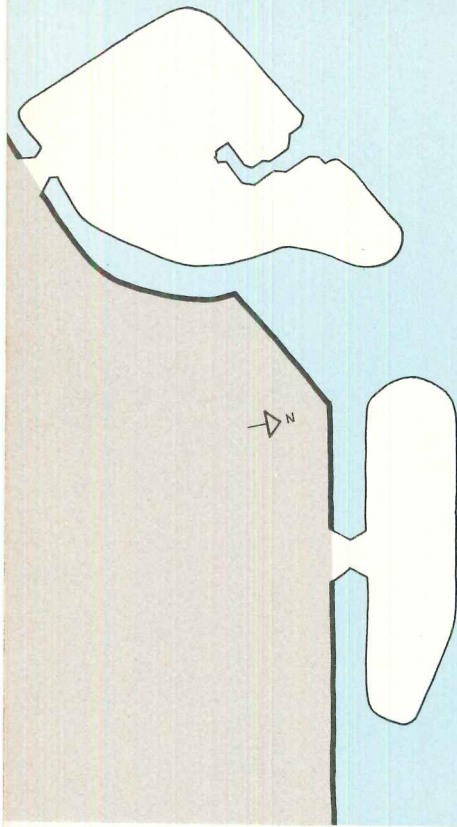
Of the three-phase construction, only the third phase (half the island) is unfinished; its completion is expected by the end of 1976. All condominiums are organized into six-unit, rectangular buildings—each with four flats and two townhouses. The ground level consists of two flats facing the water, and either an eight- or 12-car garage, always facing the street; the upper level consists of two, two-story townhouses in the center, flanked by two, one-story flats.

On the small island (bottom left) the buildings are positioned around the perimeter, with a circulation spine in the center, serving both pedestrian and automobile traffic. To obtain views to the water for each apartment and provide visual interest from across the lagoon, the buildings were staggered. The clubhouse—as focal point of the development—is located in the middle of the island near the entrance.

As an intentional contrast to other housing in the area, the project was painted white, and accented with yellow awnings, cedar wood details, and blue ceramic tile on roofs and as trim on windows and stair rails. Extensive landscaping, especially along streets, includes trees between garage doors.



Architects: Fisher-Friedman Associates
—A. Robert Fisher, Rodney Friedman,
Robert J. Geering
242 California Street
San Francisco, California
Project name: The Islands
Location: Foster City, California
Owner: Vintage Properties
Engineers: L. F. Robinson & Associates
(structural)
Burlogar, Long & Associates (soils)
Galloway & Associates (civil)
Landscape architects: Anthony M.
Guzzardo & Associates
Contractor: Herman Christensen & Son
Photographer: Joshua Freiwald

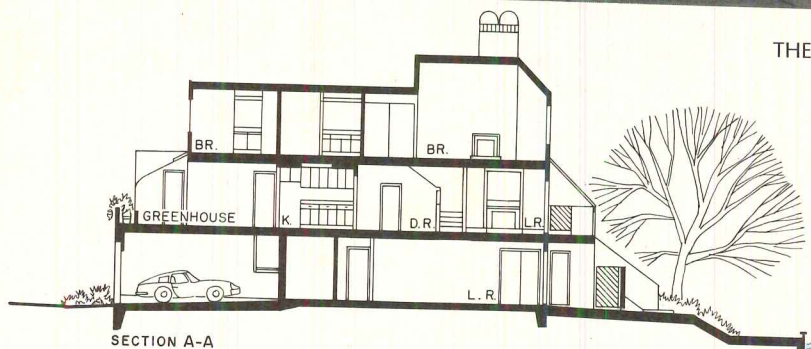




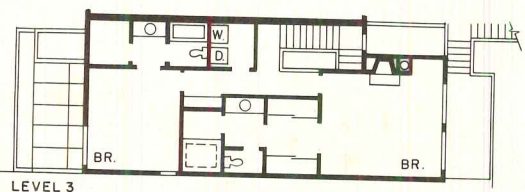


THE ISLANDS BY FISHER-FRIEDMAN ASSOCIATES

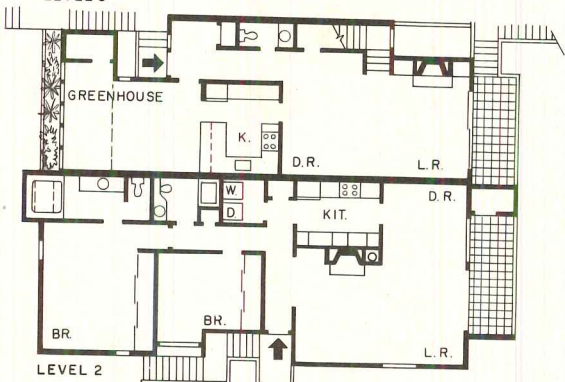
On one-third of the units, enclosures (often use greenhouses) add another dimension of light to the space and also enhance visual interest along the street. All balcony railings were constructed of tempered glass panels, providing shelter from strong winds while not obstructing views of either water or street.



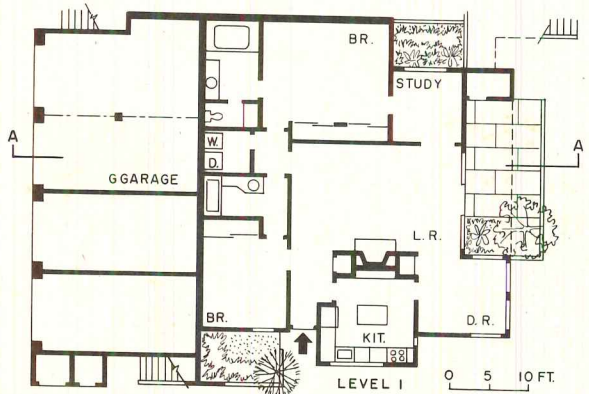
SECTION A-A



LEVEL 3



LEVEL 2



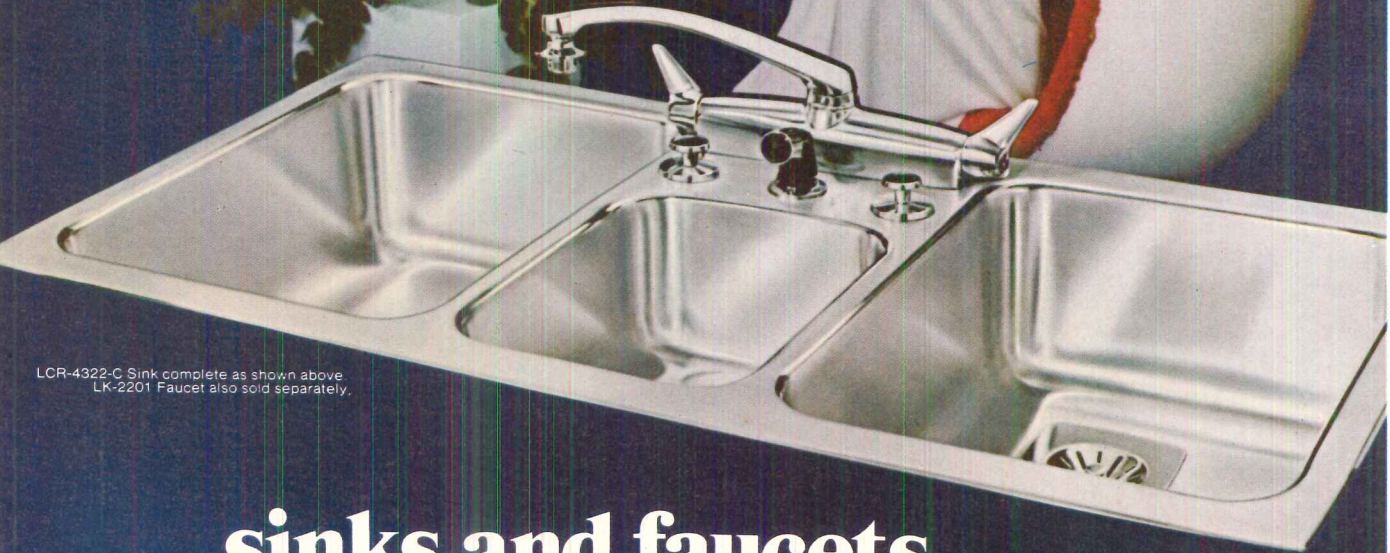
LEVEL 1 0 5 10 FT.





This ad will pre-sell Elkay products to millions of consumers. Do you have our latest product literature? Write today for free catalogs.

Choose Elkay



LCR-4322-C Sink complete as shown above.
LK-2201 Faucet also sold separately.

sinks and faucets

Magnificent imagination is reflected in this lustrous and luxurious stainless steel sink by Elkay—beautiful to see and to use.

Best with the matching quality of an Elkay Tiara faucet—single lever or dual handle model in gleaming chrome on solid brass.


Write for free literature or send \$1.00 for deluxe 36 page book "How Water Can Serve You Throughout Your Home." **ELKAY**®

LK-2221 Faucet shown on standard double bowl LR-3322 sink.



ELKAY MANUFACTURING COMPANY • 2700 SOUTH 17TH AVENUE • BROADVIEW, ILLINOIS 60153

For more data, circle 34 on inquiry card



NEW! LEES UNIBOND CARPETS.

*When measured with a scale
it takes an average pull of
20 lbs. to dislodge a tuft from
a Unibond carpet. Normal
carpets average less than 10 lbs.*

A system for making carpet better than ever before. Better for schools, for offices, nearly everywhere.

Tuft Bind—it takes more than double the effort to pull out a tuft. In fact, most times the yarn breaks first. Virtually eliminates the problem of deliberate or accidental snagging and unraveling of yarn.

Delamination—Unibond prevents separation of face and backing. Eliminates need for chair pads. Allows use of carpet where rolling traffic prohibited it previously.

Because Unibond carpets are completely man-made, they are impervious to moisture, not subject to problems arising from excessive moisture during cleaning.

See how well it can work for you. Call 800-523-5647 (toll free) or write for a demonstration in your office or a brochure.

LEES carpets

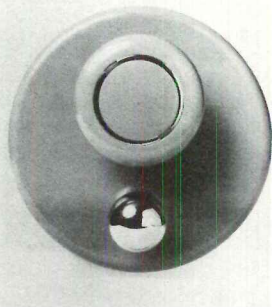
A DIVISION OF BURLINGTON INDUSTRIES, INC.
Contract Dept., Valley Forge Corporate Center
King of Prussia, Pa. 19406

**TRY TO PULL
OUT A TUFT...
MOST TIMES THE
YARN WILL
BREAK FIRST.**

UNIBOND
UNIBOND
CARPET BONDING SYSTEM

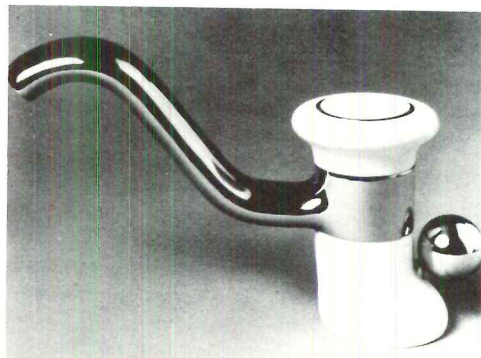
For more data, circle 35 on inquiry card

For more information circle selected item numbers on Reader Service Inquiry card, pages 153-154.



NOB BASIN, SHOWER FITTINGS

by Junko Enomoto, this series of Ital- single-control wash basin and wall- shower fittings is all brass, finished in chrome, chrome and color combinations, or solid colors: navy blue, Pan Am magpne, dark brown, chrome yellow,



orange-red, avocado green and black. The wash basin model (above right) is equipped with drain (controlled by the ball), and the spout swivels 180 degrees. ■ Fearless Faucets, New York City.

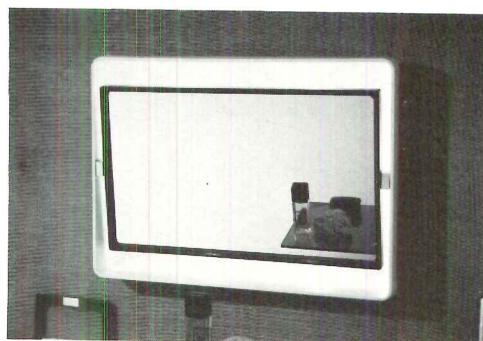
Circle 300 on inquiry card



STAINLESS STEEL RESIDENTIAL SINK

"Delot" sink line (11 models) features stainless steel construction, specially faucets and a space-saving single- lighting. All sink surfaces are satin finish. Sinks are offered in single-, double- and triple- basin models. ■ Moen, A Division of Elyria, Ohio.

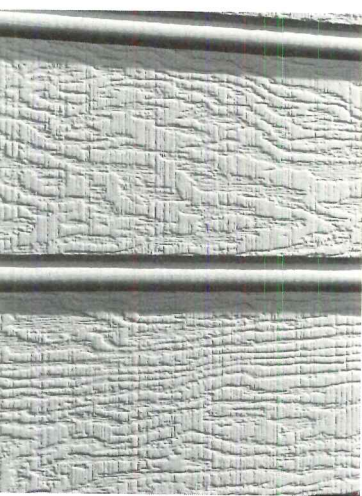
Circle 301 on inquiry card



ILLUMINATED LAVATORY MIRRORS

Introduced originally in a round model, the "Beauty Mirror" is now offered in oval and rectangular shapes, edged in translucent brown smoke acrylic with chrome trim. Soft light is provided by concealed incandescent bulbs. The mirror tilts to give full-length views. ■ Allibert Inc., New York City.

Circle 302 on inquiry card



WOOD "COLONIAL LAP" SIDING

panels measuring 8 in. wide, 16 ft. long, 1/4 in. thick approximate colonial lap with bold woodgrain texture and captured drip edge. "Yorktown" siding is nailed directly to studs, is factory- finished to meet or exceeds FHA minimum standards, according to the company. ■ S. Plywood, Stamford, Conn.

Circle 303 on inquiry card

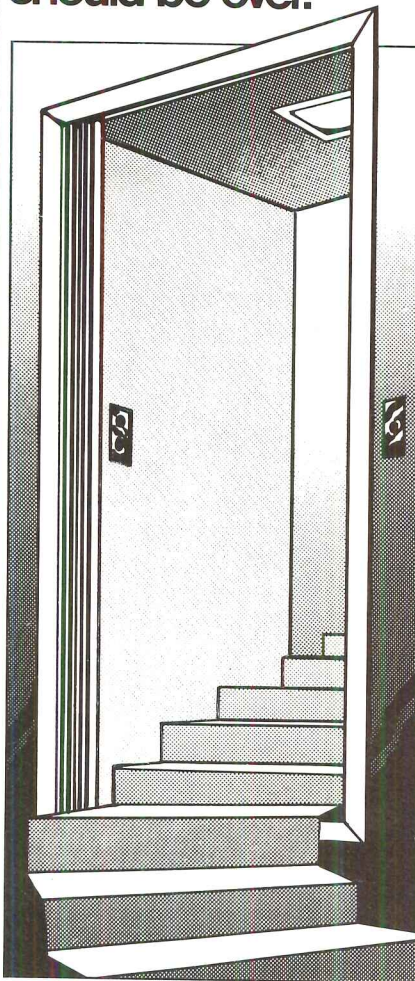


SHEER WINDOW SHADES OF FIBER GLASS

A shade that permits views from the inside only is available in widths up to 72 in. and lengths up to 9 ft. This weather-resistant and dimensionally stable product is made of vinyl-coated fiber glass yarns heat-set in a fabric pattern. Each shade is mounted on a sturdy, silent roller. ■ Joanna Western Mills Co., Chicago, Ill.

Circle 304 on inquiry card
more products on page 136

When you reach the top, the climbing should be over.



At Sedgwick, we believe that people who've made it to the top deserve certain rewards in life.

The Sedgwick Residence Elevator is one of them.

A specially designed personal elevator, it carries its passengers with an ease and assurance that no other kind of personal transportation can offer.

And Sedgwick will custom design the residence elevator — inside and out — to meet personal needs and preferences.

The actual application can be as unique as the designer's imagination.

It's a luxurious concept. Without a luxurious price tag. We call it one of the good things in life.

For more information about Residence Elevators, write to:
sedgwick machine works
box 630 AR
poughkeepsie, ny 12602
(914) 454-5400



With more ways to the top than anyone.

For more data, circle 37 on inquiry card



Everybody's Friend

Bommer's done it. Designed new horizontal and vertical mailboxes that please everybody. These problem-solving mailboxes earn the name, "Everybody's Friend."

Architects like the looks of our new line. They get Everybody's Friend in finishes, sizes and materials that complement any building design. Being able to choose either front- or rear-loading models helps architects solve the problems of limited space.

Builders are among our oldest friends because we've supplied their industry with hinges for a century now. Builders choose Everybody's Friend because they're sturdy, easy to install and maintenance-free.

Postmen appreciate Everybody's Friend because they meet size standards set by the U. S. Postal Service. And they're easier to load.

Of course we kept the resident in mind. Our new mailboxes are roomy—that means fewer trips to the post office for oversized items.

When we designed these mailboxes, we remembered all our friends: the architect, the builder, the postman and the resident. Now everybody's happy. Look up "Everybody's Friend" from Bommer in Sweet's Architectural File 10.21/Bo. Or write for our mailbox catalog. Bommer. Landrum, S.C. 29356 (803) 457-3301



100 years of quality

APPLIANCE/AIR CONDITIONERS / A 20-page catalog gives detailed information and installation tips on a complete line of ranges, wall ovens, hoods, room air conditioners, dishwashers, waste disposers and refrigerators. Laundry equipment is also covered. ■ Hotpoint Sales, Louisville, Ky.

Circle 400 on inquiry card

STANDBY GENERATORS / Specifications for gas, gasoline and diesel generator sets with outputs of from 1.25 to 500 kw are given in a new brochure. ■ Kohler Co., Kohler, Wis.

Circle 401 on inquiry card

TUB RECESS / A four-color brochure presents the "bath-in-a-box:" a kit containing all materials needed for finishing a tub recess. Five panel designs are featured, including two murals, all in 1/8-in.-thick water-resistant Marlite. ■ Masonite Corp., Dover, Ohio.

Circle 402 on inquiry card

FAUCETS / A fully-illustrated 24-page catalog shows the complete line of Delta/Delex single- and two-handle washerless faucets. Featured are "Scald-Guard" bath valves; kitchen, lavatory and utility faucets are shown. ■ Delta Faucet Co., Greensburg, Ind.

Circle 403 on inquiry card

GAS/OIL FURNACES / Fuel and space-saving features of new home heating furnaces are explained in three brochures. For use with gas are the "Stowaway" space-saving unit, and the "Duracurve" heat-exchanger design for up-flo gas furnaces. A third booklet describes an economical oil furnace with atomizing burner and aerodynamic heat exchanger. ■ Lennox Industries, Inc., Marshalltown, Iowa.

Circle 404 on inquiry card

BATHROOM FAUCETS / A four-color catalog presents a full range of bath faucets and accessories, including the "Grohmix" unit, a thermostatic mixer. Kitchen faucets are also included. ■ Grohe, Elk Grove Village, Ill.

Circle 405 on inquiry card

SWIMMING POOLS / Pictures of over 500 pools entered in a design competition are featured in a new booklet intended to express the variety of pool styles possible, from small residential pools to large municipal ones. Installations include above-ground pools, and all types of motel, condominium, and community pools. The brochure is available for a \$3 postage and handling charge from the National Swimming Pool Institute, 2000 K St. N.W., Washington, D.C. 20006.

HVAC UNITS / Oil, gas and electric furnaces designed specifically for manufactured housing are described in a four-color foldout. Also covered are air conditioning units, controls and filters. ■ Home-Siegler Div. of LSi, Holland, Mich.

Circle 406 on inquiry card

ALUMINUM BLINDS / The energy-saving advantages of the "Mark II" thin-slatted aluminum window blind are outlined in a new brochure. ■ Alcan Building Products, Warren, Ohio.

Circle 407 on inquiry card

PLAYGROUND EQUIPMENT / A 16-page color catalog covers a full range of park and school playground climbers, slides, etc., as well as bleachers, cycle racks, park stoves and benches, and backstops. ■ Quality Industries, Inc., Hillsdale, Mich.

Circle 408 on inquiry card

HOME APPLIANCES / Ranges, dishwashers, refrigerator-freezers, and packaged and built-in air conditioners are described in a new 1976 catalog. "Hi-efficiency" models are featured; all cut-out dimensions and electrical ratings are given. ■ General Electric, Louisville, Ky.

Circle 409 on inquiry card

TILE INSTALLATION MANUAL / This 25-page handbook is said to greatly simplify and standardize installation specifications for ceramic tile. Quick reference details, outlines and charts cover most installation methods and conditions. There is a section on sound transmission loss classes for various ceramic tile wall assemblies. ■ Tile Council of America, Inc., Princeton, N.J.

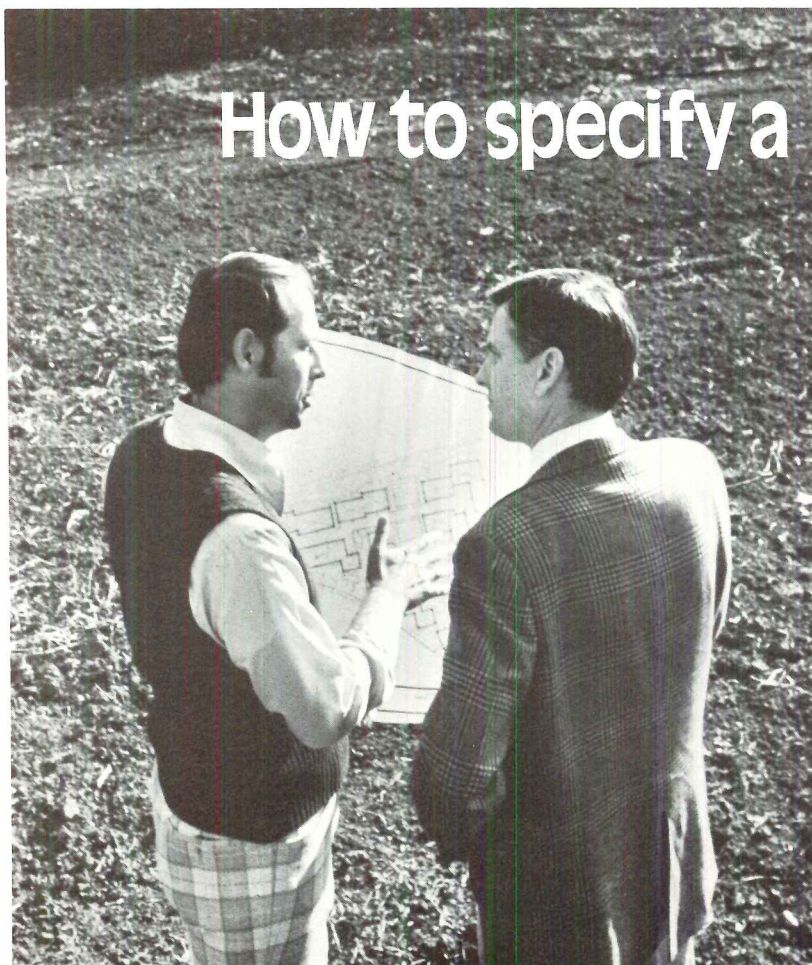
Circle 410 on inquiry card

EXTERIOR SIDING / Featured in this new 24-page book are color photos of actual hardboard siding applications. Included are horizontal and vertical patterns, smooth and textured surfaces, and both contemporary and traditional designs. Finishing instructions and specification data for both lap and panel sidings are included. ■ Masonite Corp., Peoria, Ill.

Circle 411 on inquiry card

PLYWOOD SIDING MANUAL / The correct field finishing of textured plywood siding is stressed in a new builder's manual. Data is based on extensive testing, and covers details from delivery of panels to the site, to estimated service life for each type of application. ■ U.S. Plywood, Stamford, Conn.

Circle 412 on inquiry card



How to specify a

Tennis Court.

If you're an architect or anyone who specifies tennis courts, you need the best source material available.

That's where we come in.

We've put together a brochure that provides complete information for the preparation of detailed construction specifications, and gives you facts on a variety of surfacing products.

For example, do you know what surface is best for tournament play? Or for heavy public use? What are the specs for slope, subgrade and base requirements? What you need to know about resurfacing is all there.

You can find this indispensable information in your Sweets catalog, or Spec Data, or just drop us a line. We'll send you a copy at no cost . . . and promptly, too.



Chevron Asphalt Company

Mr. Jack Goldschmidt, Dept. O 194
P.O. Box 7643, San Francisco, CA 94120.
(415) 894-4682.

For more data, circle 39 on inquiry card

◆ For more data, circle 38 on inquiry card

WOOD COATING / "Stucorock" is a two-use polymer stucco for exterior wall coatings. A clear non-yellowing plastic base is combined with pigments and fillers and applied with spray equipment. A color folder for application and coverage information and suggests other uses for the product. ■ Coating Laboratories, Oklahoma.

Circle 413 on inquiry card

WOOD FLOORING / Both top-line "Architectural" flooring and moderate-priced "Specialty" patterns are described in a full brochure. Also available is information on the firm's "Vinylwood II" flooring, hardwood veneer planks and 20 mils of clear vinyl, with a self-stick backing. ■ Wood Monarch, Louisville, Ky.

Circle 414 on inquiry card

WOOD COATINGS / A 24-page brochure describes "Pitt-Glaze" water-soluble solvent-base polyester-epoxy wood finishes, as well as a block and sealer. These finishes are used for hard-use areas such as floors and restaurants, which require frequent washing and a stain-resistant finish. ■ PPG Industries, Inc., Pittsburgh, Pa.

Circle 415 on inquiry card

CUSTOM CABINETS / A color brochure offers data on 21 styles of kitchen and bath cabinets, storage units and accessories. Units are oak, birch or cherry wood, with a choice of 17 different finishes. ■ Hager Mfg. Co., Mankato, Minn.

Circle 416 on inquiry card

EXHAUST FANS / Range hoods, exhaust fans and fan/heater/light combination units for bathrooms are detailed in a 16-page catalog. All new models in the line have infinite-speed solid-state controls. ■ National Industries, Inc., Ocala, Fla.

Circle 417 on inquiry card

CERAMIC TILE / Over 60 new ceramic tile designs are pictured in a 12-page brochure. These additions bring to nearly 300 the number of styles available, from the U.S. and abroad. A price list is included. ■ Agency Tile, Inc., Spring Valley, N.Y.

Circle 418 on inquiry card

STAINLESS-STEEL SINKS / Over 100 models of residential, commercial and institutional sinks and accessories are described in a 16-page catalog. Sinks may be ordered in either a satin finish or a highly-polished mirror finish. ■ Jenson-Thorsen, Inc., Addison, Ill.

Circle 419 on inquiry card

BATH CABINETS / Mirrored cabinets in a wide variety of styles, including Early American and modern, are shown in several brochures. Included is a triple-mirror unit with a storage capacity of over 3 cubic feet. Cabinets can be flush or surface mounted, and all mirrors are warranted for five years. ■ Miami-Carey, Monroe, Ohio.

Circle 420 on inquiry card

PHOTOMURALS / Illustrations by many well-known 19th-century American artists are among those shown in a new catalog. All are available as photomurals and large mounted photo prints. Included are subjects depicting early seafaring, California miners, American Indians, etc. Sizes and mounting details are given. ■ Action Graphics, Kirkland, Wash.

Circle 421 on inquiry card

LANDSCAPE LIGHTING / A four-color brochure details a low-voltage lighting system for gardens, walkways, patios, etc. Featured are floodlights, hanging "satellite" lights, globes and well lights. Also shown is an illuminated name-number sign which can be easily personalized by the homeowner. All lights operate on 12-volt current. ■ Malibu Lightscaping Systems, Intermatic Inc., Spring Grove, Ill.

Circle 422 on inquiry card

RESIDENTIAL FURNITURE / An extensive catalog presents the "Golden R" collection of six residential furniture groupings. Featured in the "Manchester" Early American series are a free-standing poster bed, dresser, desks, chests, etc. All pieces are made of solid or veneer hardwoods. ■ R-Way Furniture Co., Sheboygan, Wis.

Circle 423 on inquiry card

FLOORCOVERINGS / Carpeting in a number of textures and fibers, as well as vinyl tiles, vinyl sheet flooring and decorative rugs, are illustrated in a new 36-page catalog. Tips are given on selecting colors and patterns; installation needs and care instructions are included. ■ Sears, Roebuck and Co., Chicago, Ill.

Circle 424 on inquiry card

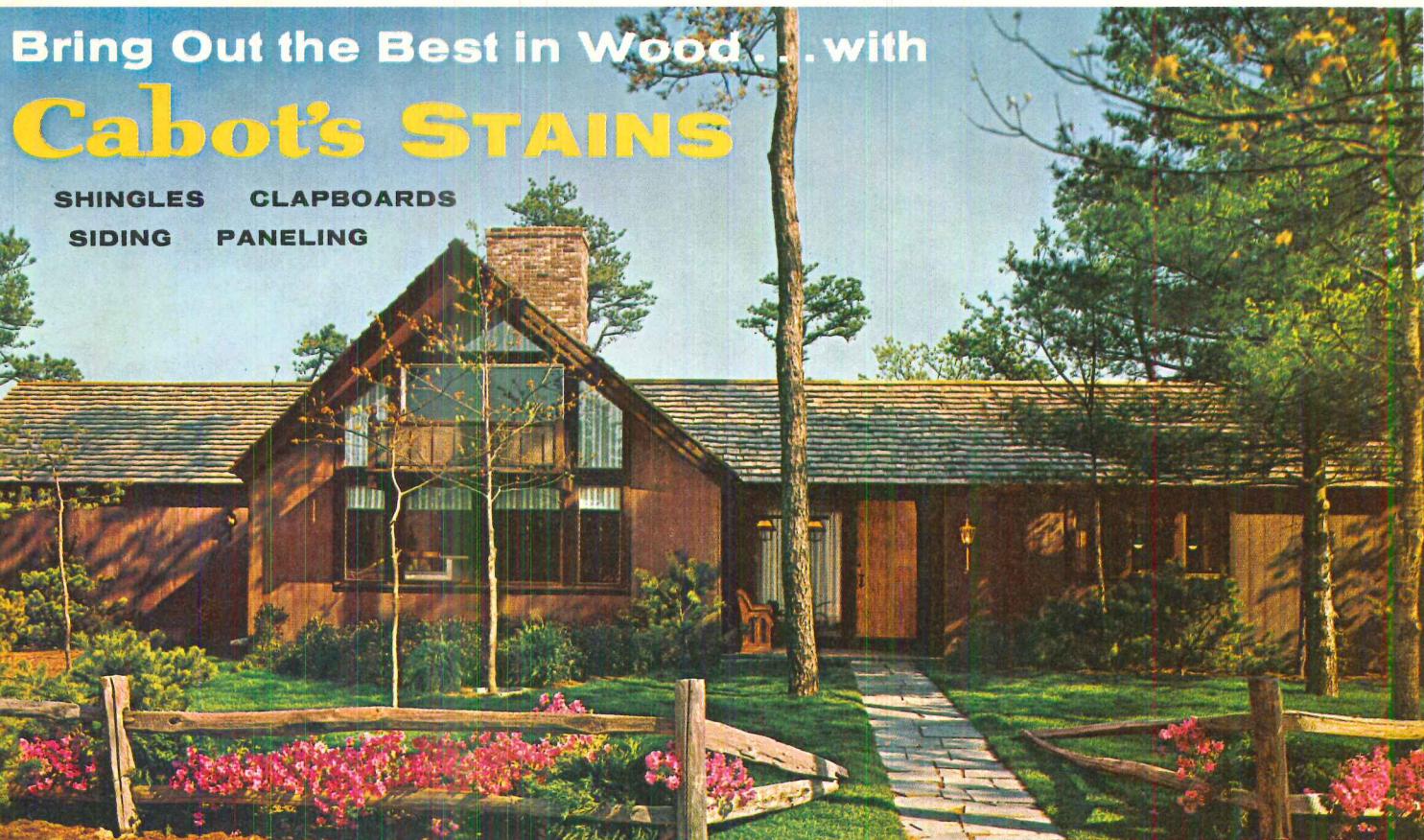
FURNISHINGS CATALOG / The recently-published Sweet's *Showroom* is a sourcebook of furniture, accessories and portable lighting for designers and architects. Over 2,500 photographs illustrate 35 product categories, including new sections on furnishings for dormitories, libraries, hotels and motels, and residential lounges. Distribution is controlled by Sweet's Div., McGraw-Hill Information Systems Co., New York City.

Circle 425 on inquiry card

Bring Out the Best in Wood... with

Cabot's STAINS

SHINGLES CLAPBOARDS
SIDING PANELING



New Seabury, Cape Cod, Mass.; Architect: Royal Barry Wills & Associates, Boston, Mass.; Cabot's Stains throughout.

All the exterior and interior wood surfaces of this magnificent home have been treated with Cabot's Stains. These stains, so easy to apply, penetrate deep into the wood, accent the grain, never crack, peel, or blister. A stained surface grows old gracefully; weathering actually enhances its beauty. Cabot's Stains beautify in 87 colors.

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



SAMUEL CABOT INC.

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

- Send color card on Cabot's Stains
- Send Cabot's full-color handbook on stains.

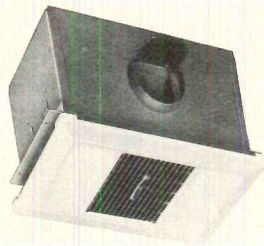


FIRE/SECURITY SYSTEM / The "Intruder" system protects residences with fire-heat and smoke detectors as well as security alarms. The control unit pictured has a self-contained alarm horn; is all-solid state; and UL-listed. Standby battery power is optional. Any tampering with the perimeter detection circuit will cause a self-supervised closed loop to trigger the alarm signal. A separate interior detection circuit can be turned off when not needed. Accessories include infrared detectors, automatic telephone dialer, floor mat detectors, and foil for taping large glass areas. ■ Nutone Div., Scovill, Cincinnati, Ohio.

Circle 305 on inquiry card

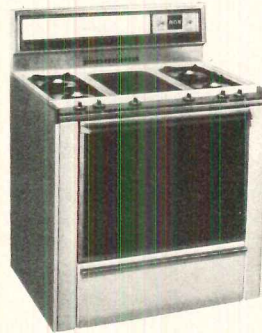
HEATERS / Two fan-heater units for residential use have been introduced. The "Pryne" series is an exhaust-heat-light combination (below) designed for bathroom ceiling installation. All of these models feature white enamel grilles, automatic reset thermal overheat protectors, pre-wired junction boxes and a multi-position wall switch, which permits single or multiple operation of its particular exhaust/heat/light combination. The "FWH2000" heaters provide total or supplemental heating for family rooms, additions, workshops, etc. These fan-forced wall units may be recessed or surface-mounted; heating outputs of from 1500 to 4000 watts are available. All models have an integral thermostat with "tamper-resistant" controls, power disconnect switch, overheat protector, and permanently lubricated fan motor. ■ Emerson-Chromalox, St. Louis, Mo.

Circle 306 on inquiry card



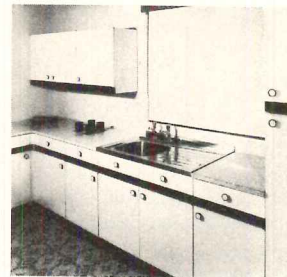
GAS RANGES / New additions to this manufacturer's appliance line are two 36-in. and three 30-in. gas ranges. Burner assemblies are one-piece porcelain enameled steel, and lift off for easy cleaning. Controls are located in front of the cooking platform, with push-in operation through a 90 deg. arc. Four of the models feature continuous-clean ovens with door windows. Top-of-the-line units have six-hour oven timers with an automatic "cook and warm" control, and a four-position, roll-out broiler. All stoves have a unique burner assembly which provides proper air-gas mix without air shutters. ■ White-Westinghouse Appliance Co., Pittsburgh, Pa.

Circle 307 on inquiry card



BRITISH BUILDING PRODUCTS / Several products sponsored by the British Building Materials Export Council were exhibited at the NAHB International Building Show in January. Pictured is an economic-module kitchen, including units, floor and wall cabinets, and a "larder," all shipped in flat pack from England. The "Spoutcray" flooring, a silver gray/green color, is made of vinyl tiles. Wall slates are light sea green, olive blue/black. Hardware includes the "Top Brass" series of solid brass door knobs for both interior and exterior use. These are said to be easy to install, and to be interchangeable with U.S.-made sets. The "Manor" line features handcrafted iron doors and windows, and also wrought iron gates, brackets and fittings. ■ British Informatics, New York City.

Circle 308 on inquiry card

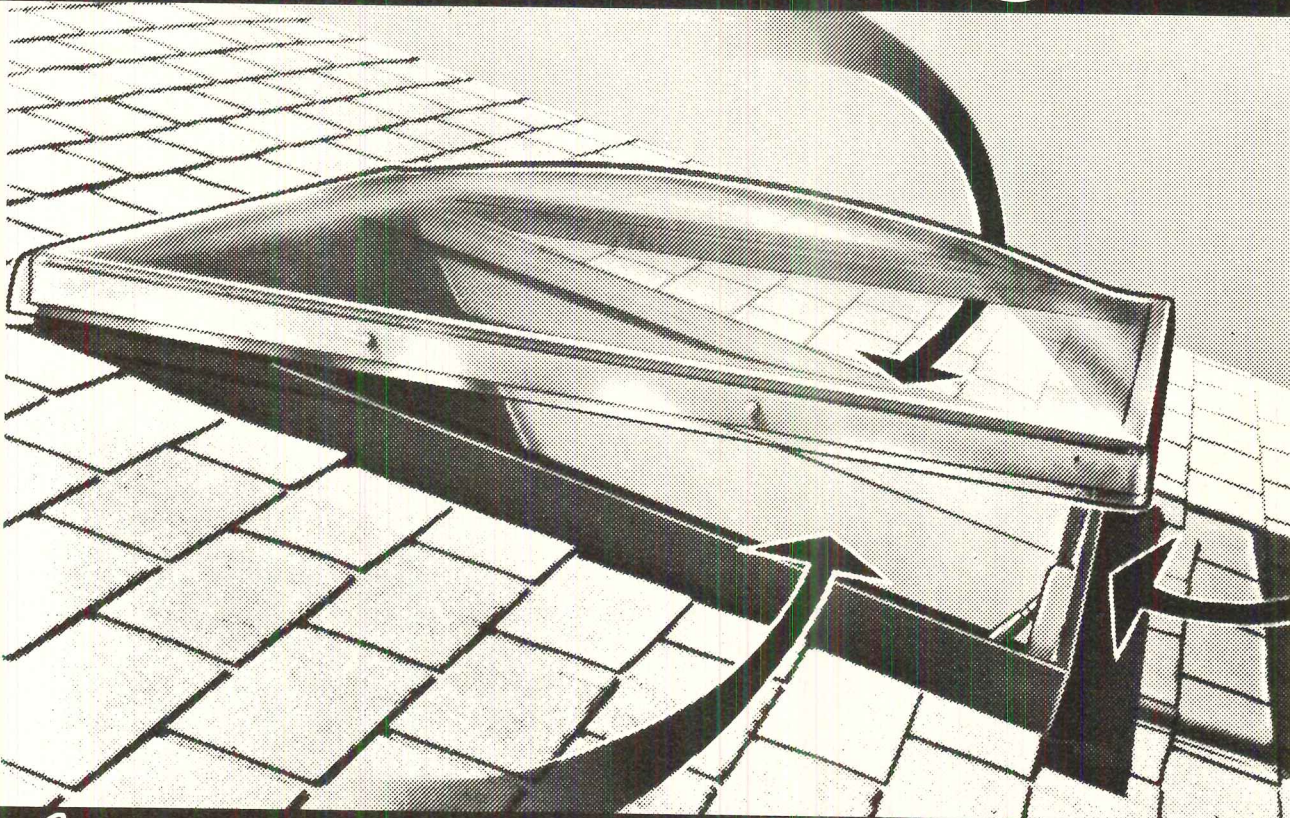


more products on

the ventilating skylight

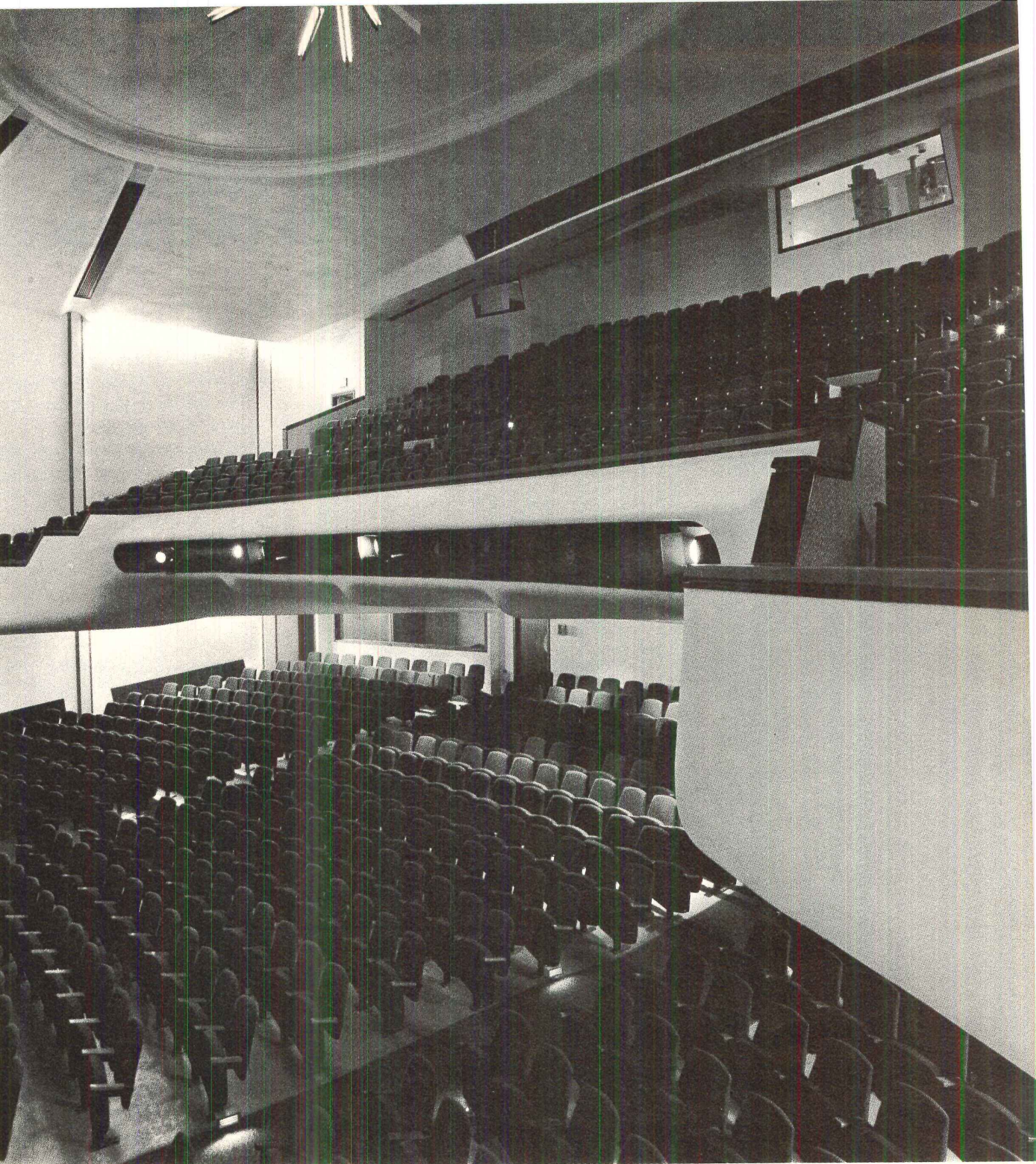
SPECIFY THE
BEST
PLASTIC
DOMED
SKYLIGHT
ON
THE
MARKET
TODAY

Write for
free illustrated
literature



VENTARAMA SKYLIGHT CORPORATION

40 Haven Avenue, Port Washington, New York 11050 (516) 883-5000



62-63

Walnut Street Theatre Restoration, Philadelphia.
Architect: F. Bryan Loving
62-63 Theatre Seat designed by Peter Dickinson.
Manufactured in Quakertown under license, exclusively.
Full description, specifications, and prices available
upon request. We offer free layout service upon
submission of floor plan.

For more data, circle 42 on inquiry card

H. FURNITURE CO., INC.

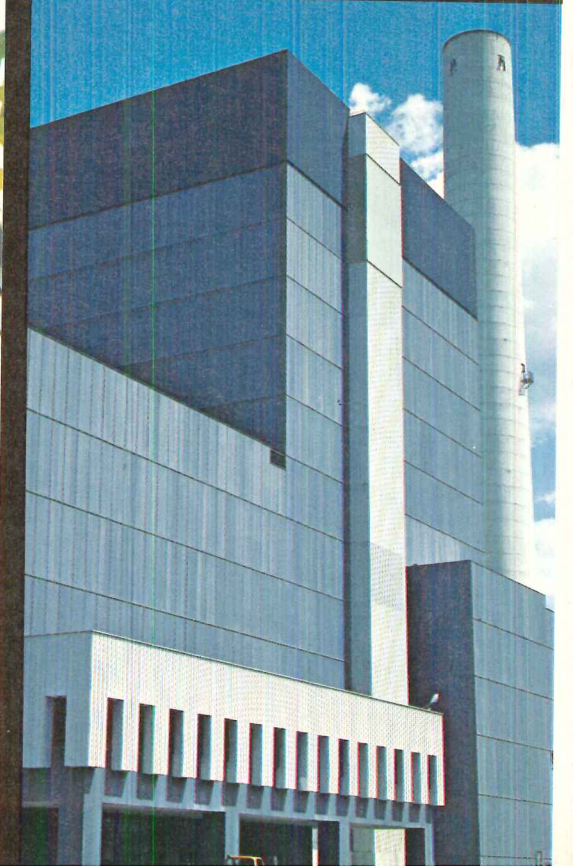
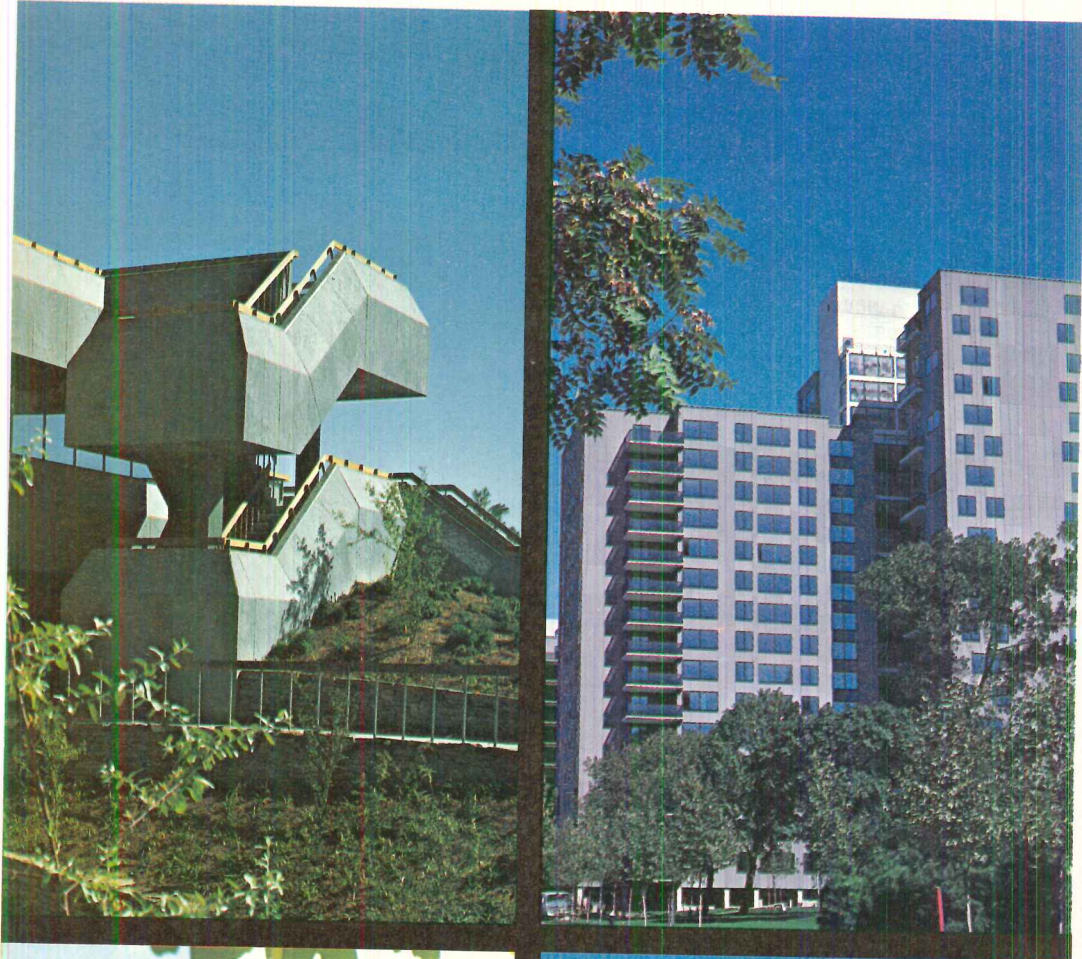
Quakertown, Pa. 18951 (215) 536-7343

18



**J-M is in the wall business.
In a big and beautiful way.**

**With two dry-built thru-wall systems
that give the impressive look of masonry
without its massive weight.**



That's right. You have a choice of J-M Corspan® or J-M Struct-O-Wall. Both are complete thru-wall systems. Both combine design freedom, economy and long life.

Both systems can be installed and quickly, from the floor of the structure, without the need and expense of scaffolding.

Both give the desirable and masonry look of masonry without the massive weight.

J-M Corspan is an extruded masonry panel manufactured in a wide variety of configurations and textures. It can be used as a complete wall for any structure of any size. Its unique advantages—strength without weight, ease of handling, carefree beauty, versatility of shape and texture—have inspired architects to use Corspan in equally unique ways, many of which would be impossible with conventional masonry materials.

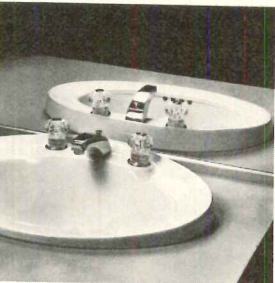
J-M Struct-O-Wall is a versatile, economical wall section combining a time-tested J-M masonry Architecture Panels with lightweight structural steel studs, insulation and interior finish and a mechanical fastening system, to save time, money and space.

Find out more about these unique wall systems. Refer to Sweets Architectural File, or write for brochure BSD2A (Corspan) and BSD14A (Struct-O-Wall), or contact Dave Lucy, Johns-Manville, Greenwood Plaza, Denver, Colorado 80217, 303/770-1000.



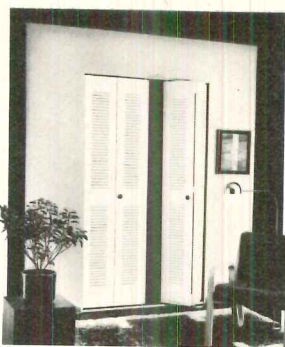
Johns-Manville

For more data, circle 43 on inquiry card



WASH BASIN / The "Planet II" is a wash basin 25-in.-wide, but deep enough (18-in.) to fit most top designs. The self-rimming basin has twin soap recesses, a front overflow, and an anti-splash rim. It is drilled for either 4-in. or 8-in. combination fittings. Available in marbleized china in white, green or white. ■ Universal Corp., New Castle, Pa.

Circle 309 on inquiry card



BI-FOLD DOORS / Featuring a louver profile with a deep shadow effect, "Louver II" pre-finished steel doors are suitable for hallways, bedrooms, utility rooms, etc. Large louvers provide full-height ventilation; the unit includes all installation hardware. ■ Door Systems Div., Evans Products, Roseville, Mich.

Circle 312 on inquiry card



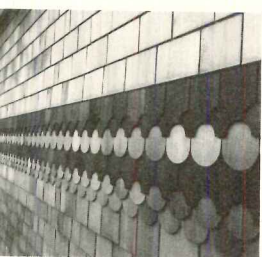
WAVE/STANDARD OVENS / This manufacturer's line are a large-capacity microwave with browning element; and a standard electric oven. The microwave unit may be built-in, or used as a counter-top, portable oven. ■ Whirlpool Corp., Indianapolis, Ind.

Circle 310 on inquiry card



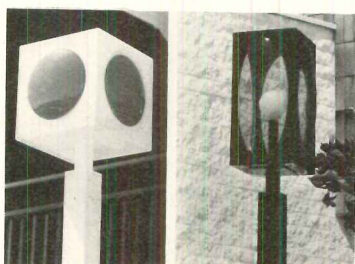
PLUMBING FIXTURES / Two new colors bring to 15 the number of shades available in this full line of tubs, basins and toilets. "Parchment" is described as "an off-white with character;" "Espresso" is a deep-toned brown. Pictured is "The Bath," a 5½- by 7-ft oval tub made of seamless molded fiber glass, which may be installed sunken in the floor or raised on a platform. Dual water controls and showerheads are available. ■ Kohler Co., Kohler, Wis.

Circle 313 on inquiry card



CUT SHINGLES / Produced by a new method to ensure uniformity in color and size, these red cedar shingles are double-butted for design variety. Fourteen styles—seven straight and seven curved—make a variety of effects possible. They may be used on interior as well as exterior surfaces, and may be left to weather, or painted. ■ Cedar Mills, Ltd., Seattle,

Circle 311 on inquiry card



AREA LIGHTING / A new product in the "Cameo" series of luminaires for area lighting indoors or out. Formed of acrylic, the fixtures are either rectangles or cubes, with oval or round cameo lenses. They take incandescent lamps, and can be pole-, bracket-, or pendant-mounted. Smoke gray, white, orange, black and amber acrylic colors are standard; other colors and designs may be ordered. ■ Architectural Area Lighting Co., Santa Fe Springs, Calif.

Circle 314 on inquiry card

more products on page 141

Hand Wrought Iron

French Garden

FOR THOUSANDS OF YEARS THE WORLD'S FINEST SECURITY SYSTEM

CUSTOM SIZES AT STOCK PRICES!
Just one of over 50 Designs in Windows, Gates, Doors, etc. Genuine Hand Wrought Iron, Custom Designs our specialty. Write or Call for our 24 page color catalog.

THE FORGE
DESIGNERS & MANUFACTURERS OF HAND WROUGHT IRON
Division of

PINECREST INC.

2118 Blaisdell Ave
Minneapolis, Minnesota 55404
Telephone: 612/871-7071

For more data, circle 44 on inquiry card

*Elegance
in home
refrigeration*

BUILT-IN TO BLEND-IN
All units built to 24" kitchen counter depth to fit flush with cabinets * Front & side panels to match your decor * Units will accept wood, glass, metal, leather, plastics . . . or use your imagination * 24", 30", 36", & 48" wide models * Largest capacity home units manufactured * All refrigerator, all freezer or combination models * "Over-n-under" or "side-by-side" units * Built-in ice makers * Superb workmanship and individually factory tested for total performance.

SUB-ZERO

Now Available in Canada

Send for free colorful brochure on unique kitchens:
SUB-ZERO FREEZER CO.,
Box 4130, Madison, Wisconsin 53711

For more data, circle 45 on inquiry card



Made to fit. The new Markel wall-to-wall electric sill convectors.

A unique blend of form and function.

More than a new heater, the 4600 system offers variable heat densities, blank areas and control sections in custom length monolithic enclosures up to ten feet long. Inconspicuous seams permit infinite lengths, wall-to-wall. Simple field installation.

You can combine any of ten architecturally matching configurations, including pedestal types, to give each area the type and amount of heat required.

Vinyl coated, textured and stainless steel finishes available. Almost unlimited colors.

The new Markel 4600 series: a unique blend of form, function and economy.

MARKEL

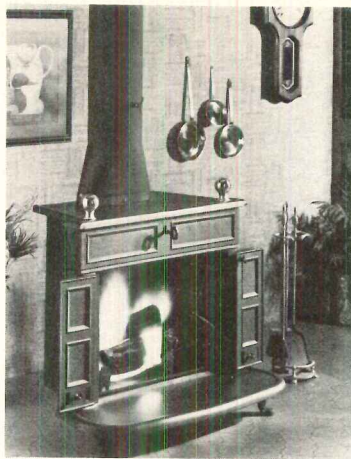
The electric heating company
Markel Electric Products, Inc.
601 Amherst Street
Buffalo, New York 14207

For more data, circle 46 on inquiry card



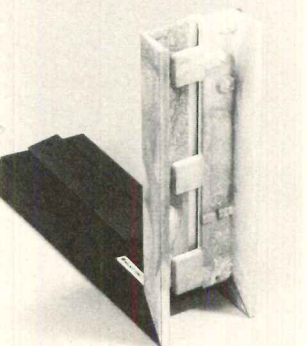
ALUMINUM SHINGLES / These all-aluminum roofing shingles reproduce textures and grains of wood, and are available in "cedar" and five other finishes. Coated with a finish said to be better than paint, the 2-ft-long panels do not chip, peel, warp, rot or blister. An aluminum-shingle roof creates a natural dead-air insulating space, and reflects heat away from the roof surface according to the manufacturer. **Alcan Building Products, Warren, Pa.**

Circle 315 on inquiry card



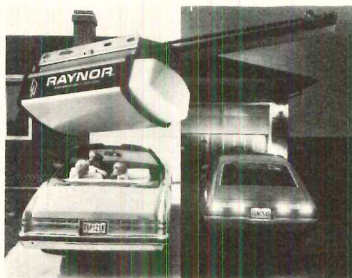
CAST IRON STOVES / Four models of cast iron stoves have been added to the manufacturer's fireplace line. Pictured is the Ben Franklin heater with hearth, double-hinged firebox doors and brass finials. Also available are two sizes of pot belly stoves; a front- or side-loading Newport Parlor stove; and the Boxwood Heater, with two lids to control draft. All stoves are cast iron with a flat-black finish. **Dyna Corp., Lynwood, Calif.**

Circle 318 on inquiry card



DOOR FRAME / Made of highly impact-resistant polystyrene structural foam, this molded framing system consists of two jambs and a header. Each member is made in two pieces in an interlocking arrangement to accommodate various door opening sizes. Molded-in recesses take strike plates and hinges. The frames will not warp, crack, split or rust. **Steves & Door Co., San Antonio, Texas.**

Circle 316 on inquiry card



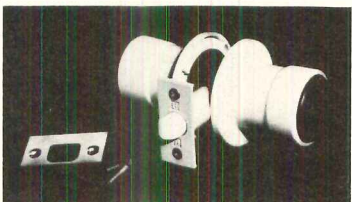
GARAGE DOOR OPENERS / Newly introduced for the residential market, this automatic operator raises the garage door with a push button radio control. Once the car is parked, a second press of the button closes and locks the door and turns on a courtesy light for two minutes. If accidentally lowered on any obstruction, the door will automatically reverse direction. The unit includes the light and a lifetime-lubricated, thermal-protected 1/3-hp motor; a key-operated switch for exterior mounting is an optional feature. **Raynor Mfg. Co., Dixon, Ill.**

Circle 319 on inquiry card



VINYL FLOORING / "Colonial" is one of six new flooring patterns recently introduced for residential (and do-it-yourself) applications. This is a no-wax sheet in 6- and 12-in. widths, available in gray/brown or blue/beige. Other new patterns are "Cover" sheet vinyl, a bold design in earth-tone colors; and "Los Angeles," a Southwest motif available in self-adhering 12-in. squares. **Armstrong Cork Co., Lancaster, Pa.**

Circle 317 on inquiry card



DOOR HANDLESET / Molded ABS thermoplastic knobs come in six highly-polished colored finishes. The Japanese-made handle set has a push-pull locking mechanism; the handle shaft and strike plate are steel. **Mark Products, Knoxville, Tenn.**

Circle 320 on inquiry card

more products on page 147

FIRST IMPRESSIONS ARE IMPORTANT!
YOUR INSIGNIA HAND CARVED IN 1 1/4" SOLID MAHOGANY
ADD VALUE AND PRESTIGE TO YOUR HOME OR BUSINESS



THE WORLD'S FINEST COLLECTION OF HAND-CARVED SOLID MAHOGANY DOORS

UNPRECEDENTED COLLECTION OF: Traditional Louvers; Ante-Bellum Plantation Louvers [2 1/2" - 3 1/2" louvers]; Decorative Window and Door Panels with genuine canes, multicolored plastics, ornamental metals, Austrian poufs, shirred curtains, laminations, wood grilles, and more; Shoji Panels; Grilles and Dividers; Folding Screens; Carved Paneling; Hand-Carved and Solid Panel Doors; Hand-Carved Crests; Spindles.



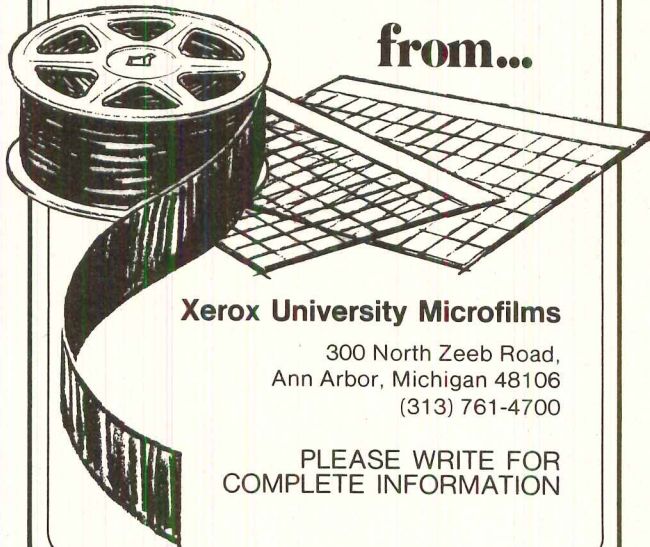
PINECREST INC.

2118 Blaisdell Avenue
Minneapolis, Minnesota 55404
Phone: 612/871-7071

For more data, circle 47 on inquiry card

**This
Publication
is Available in
MICROFORM**

from...



Xerox University Microfilms

300 North Zeeb Road,
Ann Arbor, Michigan 48106
(313) 761-4700

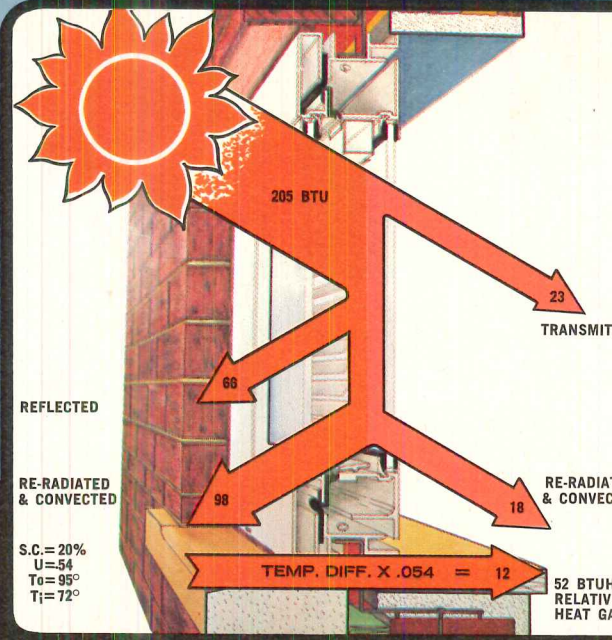
PLEASE WRITE FOR
COMPLETE INFORMATION

Gresham and Smith, Architects, design buildings to meet the needs of people as translated from clients.

The eighty physician medical clinic presented Gresham and Smith's architect design team with a variety of needs:

- MAXIMUM FLOOR PLAN FLEXIBILITY
- UNIFIED EXTERIOR TREATMENT
- CAPABILITY FOR SHELLLED-IN SPACE AND VERTICAL EXPANSION
- PATIENT PRIVACY AND COMFORT
- MAXIMUM NATURAL ILLUMINATION IN PATIENT TREATMENT AREAS
- MINIMAL HEAT GAIN/HEAT LOSS
- MINIMAL EXTERIOR SOUND TRANSMISSION

Aesthetically and economically, the Disco Window system provided the Gresham and Smith team with a solution to each of these challenges.



Architects for the Medical Center Clinic in Pensacola prescribed Weathertrol Windows^(R)



DISCO ALUMINUM PRODUCTS, INC.

For more data, circle 48 on inquiry card

Architect
Gresham and Smith, AIA
Nashville, Tennessee

General Contractor
Joe M. Rodgers and Associates, Inc.
Nashville, Tennessee

Windows
Disco Aluminum Products, Inc.
Selma, Alabama

Glass Contractor
Nelson/Brantley Glass Company
Montgomery, Alabama

Glass
Libbey-Owens-Ford 214 Gold Vari-Tran®
Toledo, Ohio



For more information write
Disco Aluminum Products, Inc.
Post Office Box 325
Selma, Alabama 36701
205/875-9283

Saves you up to 50% on gas, compared to regular 30-lb. dryers. New Maytag D21 Dial-A-Fabric™ Dryer.

THE MAYTAG COMPANY, NEWTON, IOWA 50208

Two
separate
dryers
in
half
the
space
of
one
large
dryer.



New Maytag-equipped Home Style Laundry can give you more profit per square foot.

It can cut your costs, while giving you a unique new kind of laundry room that lets tenants enjoy homelike atmosphere and convenience. Everything's grouped in a functional cluster, like in a home laundry room. Compared to the usual laundry room, smaller space needed; smaller initial cost; lower operating cost; better return on your investment. Get the full story of the Maytag-equipped Home Style Laundry now!

Here's another "first" from the dependability people, to help you cope with the energy and space crunch, whether you're simply replacing your old dryers or equipping new laundry rooms.

The exclusive new Maytag D21 Dial-A-Fabric Dryer is actually two single-load dryers stacked one on top of the other. Each works independently of the other.

Big Energy Savings

With both units operating, the Maytag D21 can save you as much as 40% to 50% on gas, compared to regular 30-lb. dryers. It can save you 20% to 30% compared to 30-lb. dryers with electric ignition, factory-built heat reclaimers and lowered Btu input. The electric model uses only half as much

electricity as 30-lb. electric dryers.

Big Space Savings

The Maytag D21 takes only half the space of a regular 30-lb. dryer, giving you unique flexibility of arrangement. You can bank them along a wall. Or break up a large laundry room into inviting personal areas by grouping washers and dryers in functional clusters, with a dryer for every washer—thus eliminating annoying waits. If you now have single-load dryers, the Maytag D21 lets you fit twice as many dryers in the same space, enabling you to have a dryer for every washer, a convenience your tenants will like.

Optimum Fabric Care

Another thing they'll like is that

the Maytag D21 Dial-A-Fabric Dryer lets them set a scientifically programmed cycle for any dryable fabric—even wool and knits—just like famous Maytag Dial-A-Fabric Washers.

Maytag Dependability

Of course, you'll appreciate the dependability built into every rugged inch, plus easy maintenance made possible by complete up-front service access. Mail the card now for all the free facts. No postage needed.



MAYTAG
THE DEPENDABILITY PEOPLE

Natural choice
for siding and fascia.

Redwood

Redwood performs like no other wood.

Resists weather, decay, insects—retards flame spread.

Holds finishes longer, requires less care.

Insulates against heat, cold and sound.

Beautiful redwood siding, in a wide variety of patterns.

And finger-joined redwood fascia—strong, stable,

in specified lengths up to 24 feet.

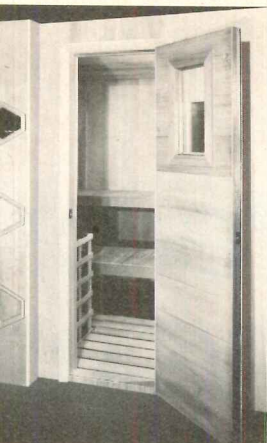
Redwood. The natural choice.



CALIFORNIA
REDWOOD

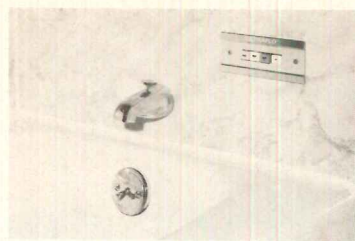
ASSOCIATION 617 Montgomery Street, San Francisco, CA 94111

Redwood — a renewable resource



BATH / This freestanding in-sauna unit operates on a 5kw. All sections of the dry-heat are pre-fabricated for quick installation; sizes range from 4- by 4-ft to 6- by 6-ft. All controls are pre-wired, and carry a five-year guarantee. Exterior finish is mahogany veneer. Interior finish is mahogany with slatted and step-bench arrangement. **Ann Sauna, Camden, N.J.**

Circle 321 on inquiry card



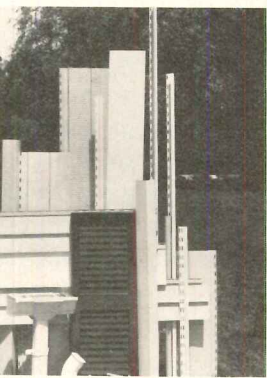
PUSH-BUTTON PLUMBING / The Ultraflow system eliminates faucet valves by using remotely-operated low-voltage control to regulate water temperature and flow. Push-button panels at each point of use—kitchen sink, lavatory, tub/shower, etc.—provide hot, cold or precisely-mixed water instantly. The solenoid valve system is said to save on water, heating and plumbing costs, damage from vandalism (when the voltage is off, there is no water at any outlet), and to be easy to install and maintain. Ultraflo is UL-listed and carries a five-year warranty. **Ultraflo Corp., Sandusky, Ohio.**

Circle 324 on inquiry card



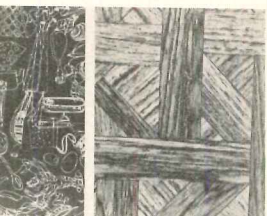
COOKTOP/HOOD / This built-in 36-in. cooktop-hood unit meets new UL flammable fabrics requirements. The top has two 8-in. and two 6-in. plug-in surface burners. The vented hood has an infinite-speed fan, eye-level glass control panels, two-intensity lamp, and push-to-turn infinite-heat burner controls. **General Electric, Louisville, Ky.**

Circle 325 on inquiry card



BUILDING PRODUCTS / For durability and low maintenance, this line of solid vinyl building products includes sidings, gutters and downspouts, soffit and fascia systems, decorative ornamental shutters. Also available are vinyl sidings, trim accessories, foam polystyrene or fiber-cement board, all of which meet industry standards for exterior finishes. **East Walpole, Mass.**

Circle 322 on inquiry card



DECORATIVE LAMINATES / Shown here are new patterns in Micarta high-impact laminate. "Potpourri" is specified for kitchens; it comes in a variety of pewter, tan or gold tones. "Butcher Block" has a butcher-block look, and its random cutting and self-aligning features. The entire line contains almost 100 patterns, colors and textures. **Hampshire Electric Corp., Hamp-**

Circle 323 on inquiry card



SKYLIGHTS / A new product is the "Skymaster" roof and ceiling skylight. The dome and light diffuser are made of Uvex sheeting, a high-impact plastic, which retains its color. Dead air trapped between the skylight and diffuser sections provides good insulation properties; the seams are electronically welded to prevent weeping and condensation. The lower, diffuser panel is said to eliminate glare and to distribute light evenly into the interior. **Tub-Master Corp., Orlando, Fla.**

Circle 326 on inquiry card



What Makes Cooking More Fun?

An Indoor Char-Grill!

Now . . . the true flavor of charcoal cooking comes indoors! There's a Char-Grill style and size for large or small kitchens and for designing your own masonry unit outdoors . . . and you can select from gas, electric or charcoal fired models.

Complement your new Char-Grill with a Kich-n-vent exhaust hood to assure a smoke-free kitchen. Kich-n-vent hoods are powerful . . . yet **quiet!** And our Design Magic series allows you to design the wall or island hood that best matches the decor of your kitchen.



Char-Grill®

Home Metal Products Company
Division of MOBEX Corporation

750 Central Expressway
Plano, Texas 75074

I'm interested. Please send me more information about HMP's new Char-Grills and Kich-n-vent exhaust hoods.

Name _____
 Title _____
 Company _____
 Address _____
 City _____ State _____ Zip _____

For more data, circle 51 on inquiry card

Introducing the exterior insulation and finish system Zonolite® Thermoclad.™

Thermoclad is an integrated insulation and finish applied to the outside of the building, for architecturally sound reasons:

- More efficient HVAC performance – because the structural wall is inside the insulation envelope, the building is maintained at a more stable temperature, reducing peaks in system operation.
- Full range of insulating values – down to 0.08.
- Less thermal stress – since expansion and contraction of the structure is reduced, building life is prolonged.

- More usable inside floor space – insulating the outside frees up space on the inside for increased area and income.
- Economical – competitively priced when compared with conventional wall designs.

The System

The Zonolite Thermoclad system consists of: (1) an insulation board laminated with a glass fiber mesh to provide strength and crack-resistance; (2) an adhesive to affix the board to the underlying surface; (3) a prime coat for strength and crack resistance; and (4) a pleasing architectural finish coat.

For New or Existing Work

Thermoclad is ideally suited for both new projects and renovations. Because the application is performed outside the building, disruption and unsightliness inside are eliminated.

Thermoclad makes sense functionally, aesthetically and economically. For further information contact your Zonolite office or send for brochure TO Construction Products Division, W. R. Grace & Co., 62 Whittier Avenue, Cambridge, Massachusetts 02140.

For more data, circle 52 on inquiry card

ZONOLITE THERMOCLAD



A plasterer demonstrates the ease and simplicity of the Thermoclad system, applied here over an 8 x 8 foot panel of exterior gypsum over metal studding. In the first photo, Thermoclad insulation

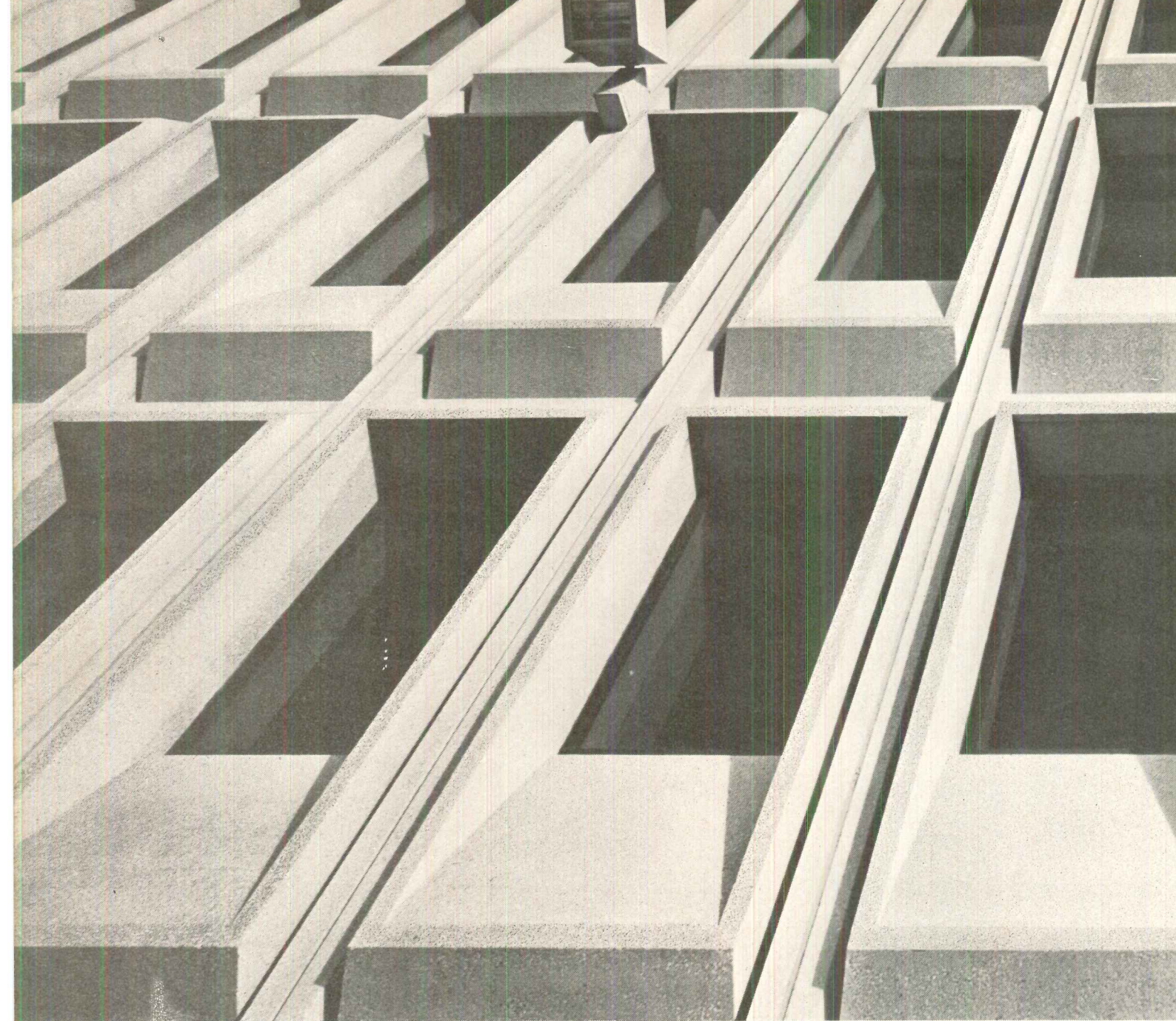


with its factory laminated fiberglass mesh, is applied to the gypsum board. In the second photo, the strong, cementitious prime coat is troweled over the insulation. And in the third photo, the

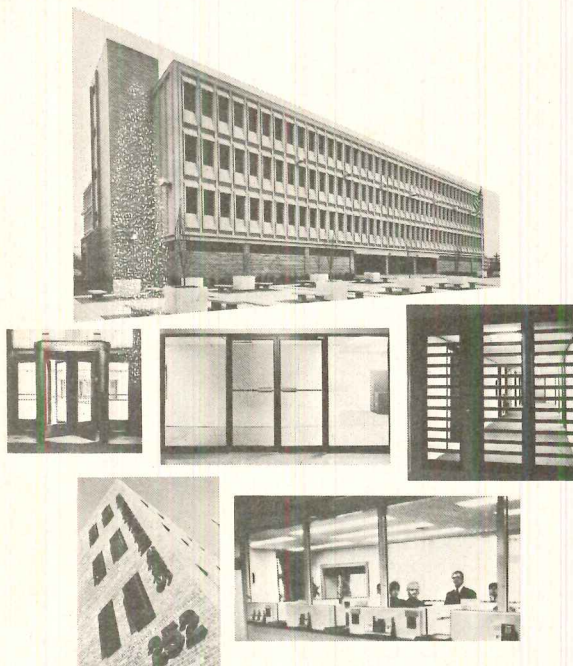


attractive, textured finish coat is sprayed over the prime coat. Both prime and finish coats can be troweled or sprayed. The result is superior insulation and an attractive finish shown at the right.





Now...glazing that without going



Glazing applications of "Lucite" AR in public institutions, banks, door lights and partitions.

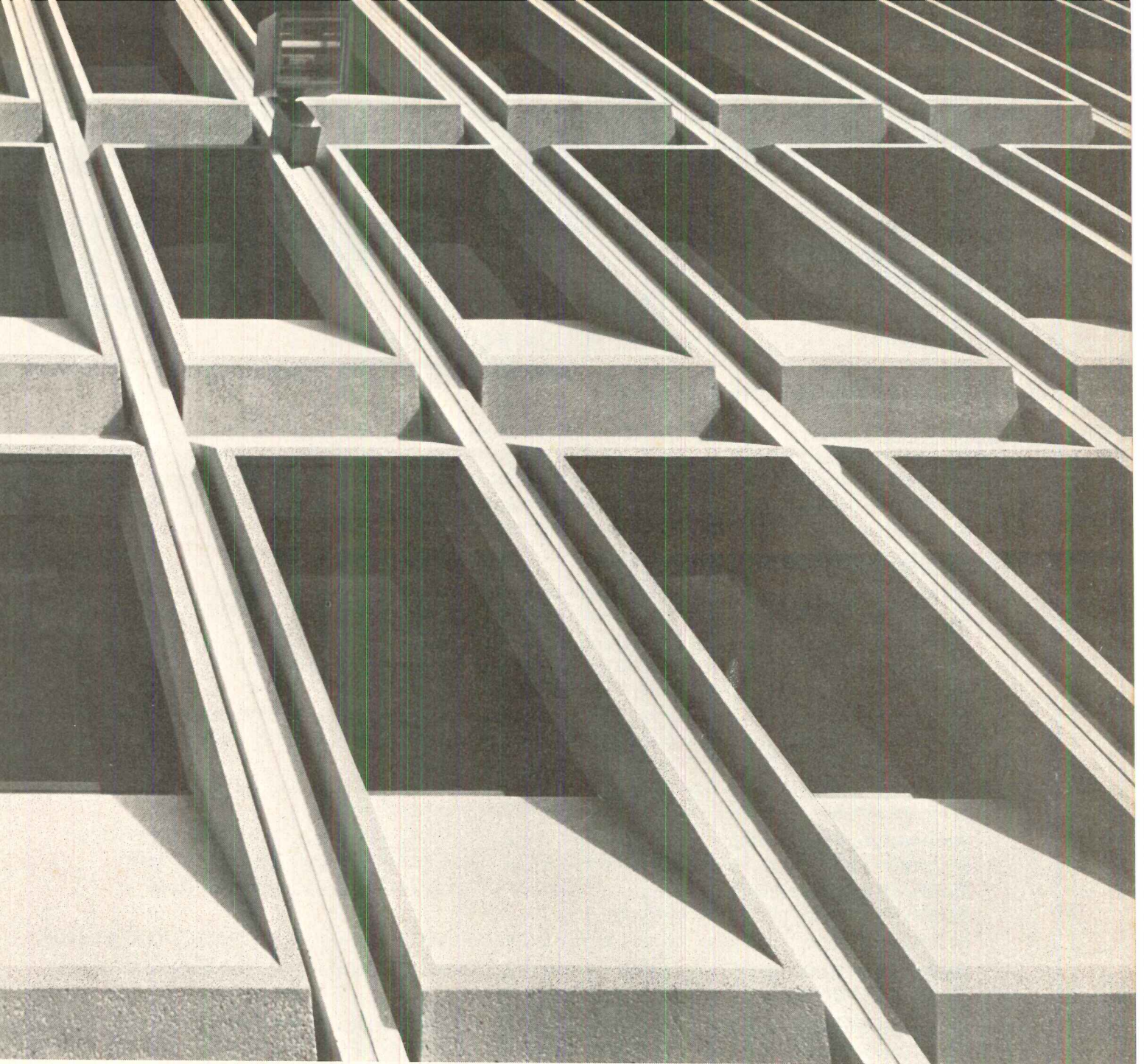
That's LUCITE® AR abrasion resistant sheet. This high-quality glazing material resists vandalism and breakage. And more — "Lucite" AR has a tough, clear fluorocarbon hide that makes it 15 times harder to abrade and haze than conventional plastic sheet.

Which means the glazing you specify can be cleaned year after year without losing its clarity. And exposure to all kinds of

weather conditions leaves "Lucite" AR essentially unchanged.

These are the major reasons why Robert Moran, a West Orange, N.J. architect, specifies "Lucite" AR for school buildings such as the Essex County Technical Careers Center in Newark, N.J. And why an increasing number of urban school districts, from Philadelphia to Atlanta, are specifying it.

You can get "Lucite" AR in



Essex County Technical Careers Center, Newark, N.J. Robert Moran, Architect

Gets tough on vandalism off on abrasion.

tints to reduce air conditioning loads. Its low heat conductivity (K 1.2) reduces winter loss. It is thermoformable and easily fabricated to meet design requirements.

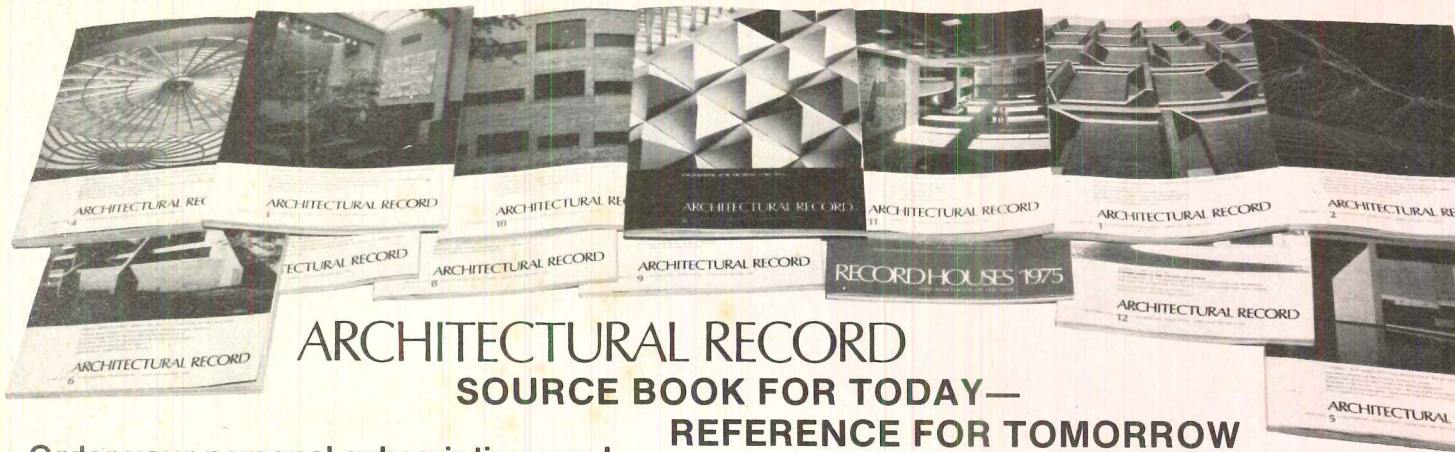
"Lucite" AR complies with Z97.1 1966/72 performance specifications for safety glazing used in buildings. It is being used in increasing application security glazing in banks, public institutions, and in bus

shelters, animal enclosures, door lights, partitions and hockey rinks.

Look for us in Sweet's Catalog (8.26/Du) or check "Lucite" AR abrasion resistant sheet yourself. Let us send you a test kit that demonstrates the abrasion resistance of "Lucite" AR. Write: Du Pont Company, Room 24940, Wilmington, DE 19898, or call (302) 774-2629.

The difference is clear with
LUCITE® AR
ABRASION RESISTANT SHEET





ARCHITECTURAL RECORD

SOURCE BOOK FOR TODAY— REFERENCE FOR TOMORROW

Order your personal subscription now!

For over 80 years, architects and engineers have read and preferred Architectural Record—they find that the RECORD helps them keep up with design and specification trends and new developments in building technology, size up new materials and equipment . . . study new product applications . . . inspect notable buildings the world over . . . correlate engineering systems with ever-changing building requirements . . . keep abreast of the latest of practices . . . update methods of obtaining and working with clients.

In every monthly issue the RECORD brings you . . .

Building Types Study: a comprehensive presentation of one major building type known through Dodge Reports and Dodge statistics to be reaching the planning boards of architects and engineers.

Feature Buildings: a variety of nonresidential and residential buildings—often foreshadowing new trends and new designs. The RECORD publishes more buildings, more drawings, more photographs than any other architectural publication.

Feature Articles: significant articles relating to urban and suburban development, the role of the architect and engineer in serving all types of clients from the individual home owner to the corporate client and the community.

Architectural Interiors: the RECORD publishes more architectural interiors than any magazine in its field. Its January portfolio of award-winning interiors is a major feature.

Architectural Engineering: covers the entire range of building technology: structural, mechanical and electrical systems, lighting, acoustics, prefabrication, building materials and their uses.

Product Reports and Office Literature: the largest volume of newly-marketed products of significance to architects and engineers.

The Record Reports: concise news to keep readers abreast of developments affecting their practice.

Architectural Business: a presentation of "Current Trends in Construction," "Building Costs" and "Techniques of Practice."

In addition, you will receive three mid-month issues. In May, RECORD HOUSES AND APARTMENTS—featuring standing house and apartment designs; in August, ENGINEERING FOR ARCHITECTURE—the year's most significant developments; in October, PRODUCT REPORTS—a comprehensive roundup of new and improved building products.

For all these reasons—and more—you should be receiving your own copy of the RECORD each month. You'll find the RECORD your best source of information and inspiration for today and reference for tomorrow.

Use the handy order card to enter your personal subscription, or write to: Architectural Record, Department C, 1221 Avenue of the Americas, New York, New York, 10020.

1974

	(Building Types Study)
January	Record Interiors of 1974, Design for Ski Resorts
February	Industrial building
March	High Rise Office Buildings; Housing in Europe
April	Stores and shops
May	Convention Hotels
June	Public Administration Buildings;
July	Community Colleges; New Life For Old Buildings
mid-August	Engineering for Architecture (spotlight issue)
September	Religious Buildings; 4 Interiors
October	Museums;
mid-October	Product Reports (spotlight issue)
November	Airports; Houses in San Francisco
December	Conservation in the Context of Change

1975

	(Building Types Study)
January	Campus Architecture; Record Interiors of 1975
February	Medical Facilities; Correctional Institutions
March	Housing Design
April	Stores and Shops; High Rise Apartment Design
mid-May	Record Houses and Apartments of 1975 (spotlight issue)
June	Buildings for Waste Managements
July	Conservation and Reuse of Buildings
August	Bank Design
mid-August	Engineering for Architecture, (spotlight issue)
October	Multi-family Housing
mid-October	Product Reports (spotlight issue)
November	Recreation
December	Search for Better Buildings at Lower Cost



ro Dunes, California. George Cody, A.I.A.

Simpson Ruf-Sawn Redwood Plywood. A natural for going back to nature.

More and more prospective homeowners today are looking for designs and materials that fit in more harmoniously with nature. A natural reason for using Simpson Ruf-Sawn Redwood Plywood siding.

No other commercially available wood surpasses Redwood for beauty in any setting. Left natural, it weathers to a soft driftwood gray. And Redwood is exceptionally resistant to surface checking, making it outstanding for durability and maintenance economy in any climate.

Simpson Ruf-Sawn, with its rustic rough-sawn surface,

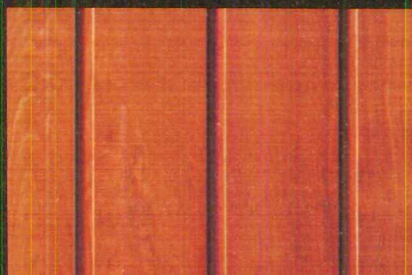
enhances Redwood's natural charm. And because it's plywood, you get all the advantages of plywood, too. High strength-to-weight ratio. Easy handling. Excellent workability. Plus economy when compared with solid lumber.

Simpson Ruf-Sawn Redwood Plywood. A beautiful way to get back to nature.

For full information on grades, patterns and sizes, contact Simpson Timber Company, 2000 Washington Building, Seattle, Washington 98101, 206-682-2828.

Simpson

For more data, circle 54 on inquiry card



The revolution is over in Boston

There's nothing revolutionary any more about building with Wheeling® Steel Framing. Across the land more and more architects are specifying it.

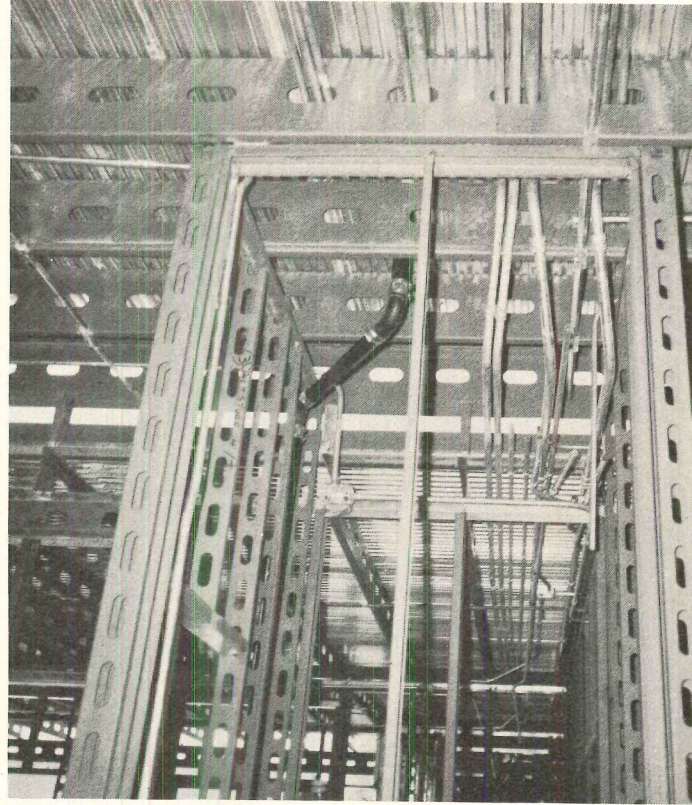
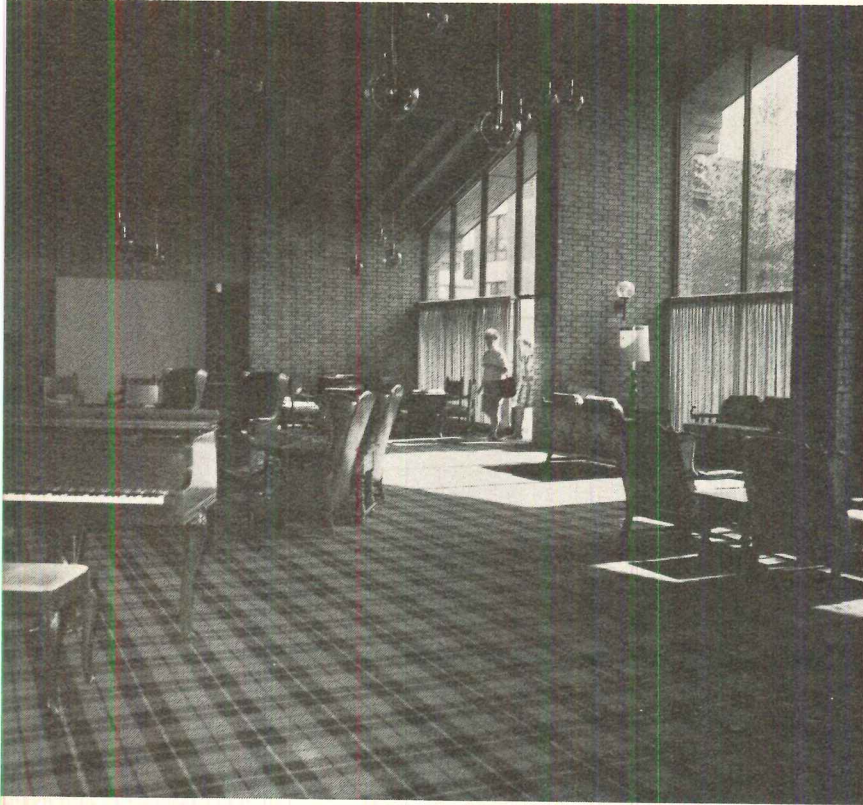
Wheeling Steel Framing is always available, so you avoid costly delays.

Once started, the building goes up fast and costs are held to a minimum. Construction crews working with

steel framing get more done in less time.

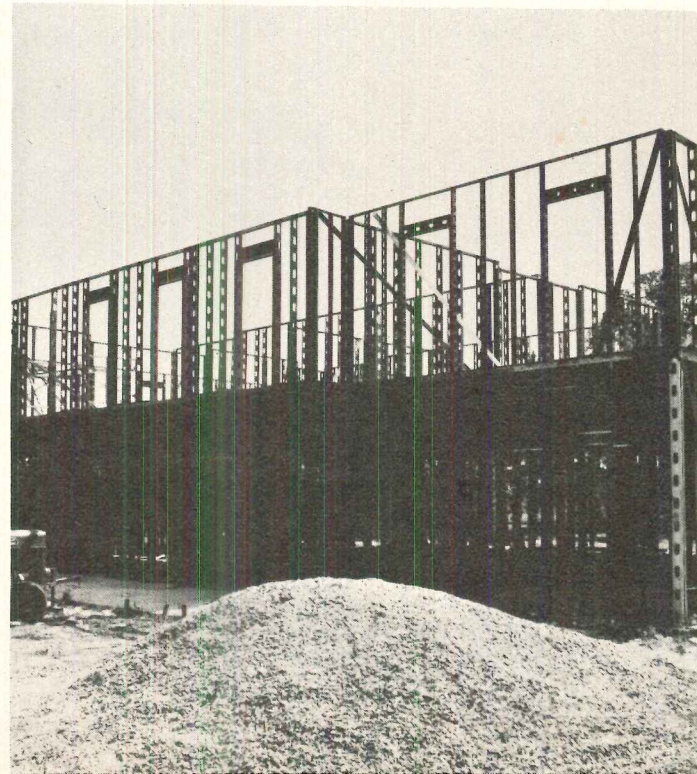
You can specify the proper insulation and finish material to achieve the required heat loss and sound ratings you need.

No matter where the building is built, you're free from shrinking, swelling, rotting or warping. And, of course, Wheeling Steel Framing is non-combustible.



The cavity created by steel framing allows for continuous insulation of the walls. This was important to Architect Elam Denham in designing a unique hospital/nursing home in Bella Vista, Ark. State law requires nursing homes be heated as high as 80°. Steel frame structures insulate well.

Architect W. J. Evans designed a beautiful 3-story plantation-style sorority house for the campus of Louisiana State University. 13 tons of steel framing provided substantial savings over a similar, previous design with solid masonry walls.



Baton Rouge and Bella Vista.

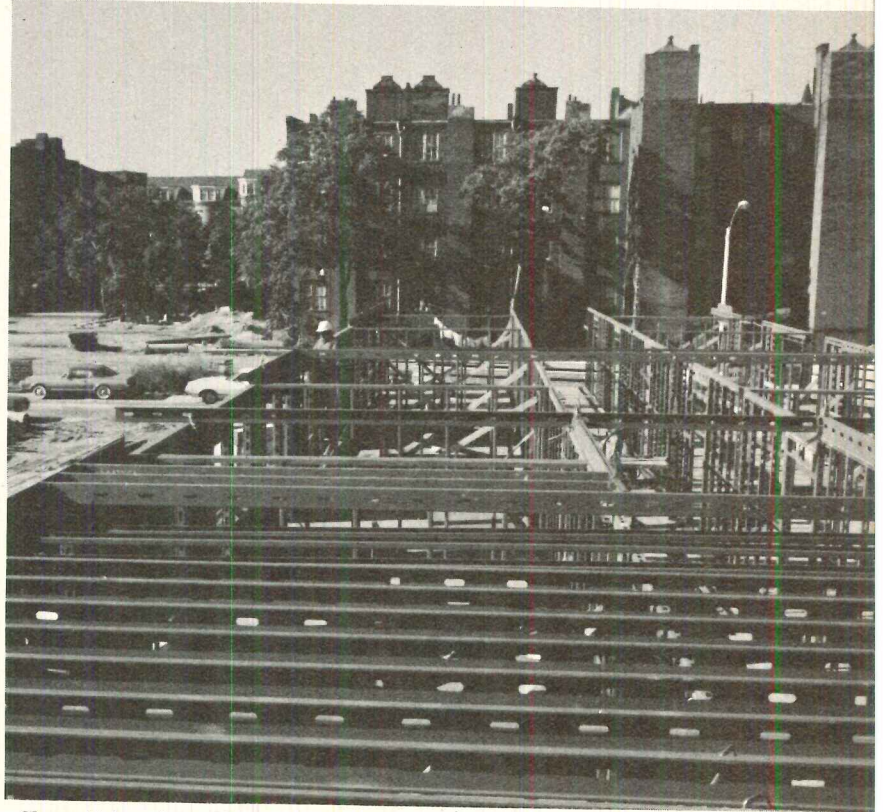
don't have to be a revolutionary to call for Steel Framing. The ground has already been broken in Boston, Baton Rouge, Bella Vista and many other cities.

We've got a catalog full of all the information you need now: gauges, and sizes (we've more than any other), load tables, etc.

Write for it. Wheeling Corrugating Company, Division of Wheeling-Pittsburgh Steel Corporation, Dept. GC-17, 4 Gateway Center, Pittsburgh, PA 15222.

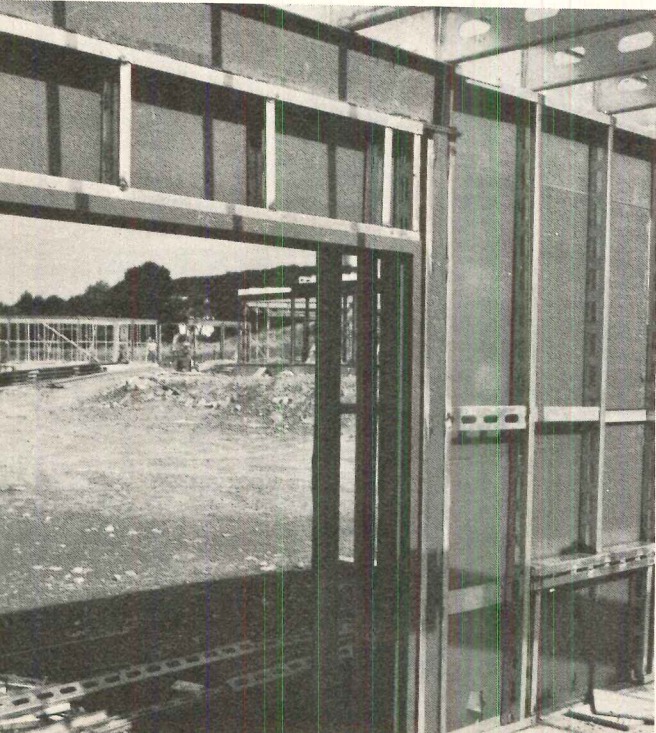
 **Wheeling[®]
Steel Framing**

For more data, circle 55 on inquiry card



Viviendas La Victoria is a Boston housing project by John Sharratt Associates. There are 151,000 sq. ft. of steel framing in the wall areas; 83,000 sq. ft. of floor joist framing and 20,000 sq. ft. of specially-designed fabricated steel trusses in the roof framing systems.

Architect John Guarino, AIA, chose Wheeling Steel Framing for the Fernald School, also located in Massachusetts. The exterior is brick veneer over gypsum sheathing. The versatility of steel framing makes it ideal for school construction.



Outrageously
handsome and infinitely
practical—

**Radiance is a
Franciscan
Terra Floor pattern,
naturally.**

Radiance—one of the most exciting
things to happen to ceramic tile
factors in a long time.

Radiance—a multi-piece, pattern
offering three basic variations and
the flexibility to combine these
variations for many effects.

Radiance—ideal for shopping
malls, banks, stores, indoors and
out.

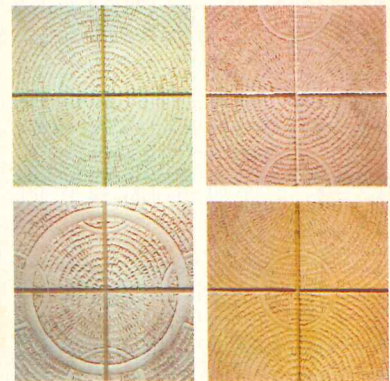
Radiance—available in Brown,
Mint Green, Glacier, Fawn and
Summer Tan.

Radiance—a Franciscan Terra
Floor 12" x 12" tile.

See Sweet's Architectural and
Interior Design files for more
detailed information.

INTERPACE
CORPORATION

2901 Los Feliz Blvd., Los Angeles, CA 90039
Los Angeles/New York/Atlanta/Chicago/Dallas



For more data, circle 56 on inquiry card



Juliet Gown from the R.S.V.P. Collection by Gossard

Colonial Interlude — featuring Kohler's newest color: Parchment—the off-white with character. A subtle decorator color.

And nostalgia comes alive in the Birthday Bath, an enameled cast iron bathtub with "Antique" faucets, ball and claw feet in 24 carat gold electroplate.

A KOHLER of AMERICAS BATHS

Notice the sweeping lines of the Rochelle toilet; the Caravelle bidet; Pennington lavatories with "Antique" faucets.

The best of what was surrounds the best of what is.

For more information, write Box MB, KOHLER CO. KOHLER, WISCONSIN 53044. Kohler products are available in Canada.

THE BOLD LOOK of KOHLER

For more data, circle 57 on inquiry card

INDEX TO ADVERTISING

ARCHITECTURAL RECORD

McGraw-Hill Inc., 1221 Avenue of the Americas
New York, New York 10020
Advertising Sales Mgr.: Louis F. Kutscher (212) 997-2838
Eastern Sales Mgr.: Robert Kliesch (215) 568-6161
Western Sales Mgr.: James A. Anderson (312) 751-3770
Assistant Business Mgr.: Joseph R. Wunk
(212) 997-2793
Marketing Services Mgr.: Elizabeth Hayman
(212) 997-2858
Research Mgr.: Camille Padula (212) 997-2814
Classified Advertising (212) 997-2557

District Offices:

Atlanta 30309	Edward G. Graves 100 Colony Square (404) 892-2868
Boston 02116	Robert L. Tegen 607 Boylston St., (617) 262-1160
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 80202	Dave Watson 1700 Broadway, (303) 266-3863
Detroit 48202	John W. Maisel 1400 Fisher Bldg., (318) 873-7410
Los Angeles 90010	Richard R. Butera 3200 Wilshire Blvd.—South Tower, (213) 487-1160
New York 10020	Blair McClenachan (212) 997-3584
Philadelphia 19102	Robert G. Kliesch George T. Broskey Three Parkway, (215) 568-6161
Pittsburgh 15222	Edward C. Weil III 4 Gateway Center, (412) 391-1314
St. Louis 63011	Richard Grater Manchester Rd., (314) 227-1600
San Francisco 94111	Richard R. Butera 425 Battery St. (415) 362-4600

A

Amarlite Products Div.
American Electric Corp. Div., ITT
American Olean Tile Company
American Plywood Association 7
American Standard, Plumbing & Heating Div.
Andersen Corp.
Architectural Record
Armstrong Cork Company 2nd

B

Boise Cascade Wood Products
Bommer Spring Hinge Co. Inc. 13
Bruning Division-Addressograph Multigraph Corporation

C

Cabot, Inc., Samuel
California Redwood Association 36-37
Caradco Division of Scovill Mfg. Co.
Chevron Asphalt Co.
Congoleum Industries 4th

D

Delta Faucet Company
A. B. Dick Company
Disco Aluminum Products Inc.
Dryvit Systems
DuPont de Nemours & Co., Inc., E.I., Lucite 15

E

Elkay Mfg. Company

G

Grace & Co., W. R., Construction Products 14

H

Hanley Co., Inc. 134A
Heatilator Fireplace
Home Metal Products
Honeywell

I

Interpace Corp.

J

J. G. Furniture Company, Inc.
Johns-Manville-Building Systems Division

K

Karastan Rug Mills
Kohler Company

L

Landmark Lighting Division, ITT
Lees Carpet Div. of Burlington Industries Inc.
Logan Co., The

M

Mannington Mills
Markel Electric Products
Marvin Windows
Masonite Corp.
Maytag Co. 143 to
McQuay Group, McQuay-Perflex, Inc.
Moen Div. of Stanadyne
Montgomery Elevator Co.

N

National Floor Products Inc. 3rd
National Gypsum Co.
Nutone Division of Scovill Mfg. Co. 125

O

Olympic Stain Company
Owens-Corning Fiberglas Corp. 4

P

Pella Rolscreen Co. 4
Pinecrest, Inc. 139
Potlatch Corp.

R

Raynor Mfg. Co.

S

Schlage Lock Co.
Sedgwick Machine Works Inc.
Shakertown Corp.
Sico Inc.
Simpson Timber Co.
Stendig Inc.
Sub-Zero Freezer Co., Inc.

T

Trus Joist Corp.

V

Ventarama

W

Wheeling Corrugating Co. 156
Whitacre-Greer

X

Xerox Microfilm

Attache



Swiss military leather,
in ten colors

molded latex foam

inner hard
plastic shell

zippered cover

to tilt or not—
stop tilt control

individually hand made,
signed by the saddler

tension control handle

swivel action

turn collar—
adjust height

mirror chrome
steel tube

chrome hooded
twin casters

A new design idea embodying the highest traditions of the saddler's craft forms the basis of this distinctive executive seating group. There are five models in the series designed by Ernest Luthy of Switzerland. Write for literature.

Stendig Inc. 410 East 62 Street,
New York City 10021 (212) 838-6050

Stendig

For more data, circle 58 on inquiry card

Potlatch

Our wood wasn't born yesterday.

And that means we will be able to meet your lumber needs tomorrow and tomorrow and tomorrow.

Because we have owned and managed our own forests and mills since the early 1900s, we can assure our customers of a consistent mix of quality-controlled products. And we can provide these products fifty-two weeks out of the year.

Specifically, Potlatch people at the Western Division are specialists in the production and delivery of Inland Red Cedar boards, Idaho White Pine boards, dimension lumber, split cedar fencing, Lock-Deck® (laminated decking), particleboard and plywood—including Plystran® plywood, the new plywood with the oriented strand core.

Additionally, we offer time and quality-

proven lumber remanufacturing processes. So if you've been looking for a full service wood products supplier, contact your Potlatch representative today.

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

For more data, circle 59 on inquiry card





Luxury Look in Vinyl Floors

Italian marble is one of the luxurious pure vinyl tiles made by Nafco. Its versatility of use in modern interiors makes a valuable design tool in the hands of discriminating professionals. Italian marble tiles are made with a smooth finish or a choice of two natural textures. The translucent quality of this beautiful material enhances the delicate coloring which so closely resembles natural marble that it is difficult for the untrained eye to detect the difference.

Nafco makes a wide range of elegant vinyl tiles, including classic Florentine Slate, Travertine, Sandstone and Bordeaux (a combination of

woodgrains and marble). We will be pleased to send you a complete sample presentation of the Nafco line of vinyl flooring. For your samples and technical information about the line, write Nafco Sales Service. Caption shown: 12" by 12" tiles and 4" by 4" corner spots, M27 slate texture; 3" by 12" center stripping, M27 smooth finish; feature strips, 1/2" by 12", CC27.

National Floor Products Co., Inc.

**P. O. Box 354
Florence, Alabama 35630
(205) 766-0234**





Give Congoleum[®]

Give taste. Give color and design.
Give cushioned comfort. Give easy
maintenance. Give a respected
name. Specify Congoleum.

For complete specifications guide, write or call
contract sales manager, Congoleum Corporation,
Resilient Flooring Division, 195 Belgrove Dr.,
Kearny, NJ 07032 (201) 991-1000.

Copyright, 1976, Congoleum Corporation

For more data, circle 61 on inquiry card