



BUILDING TYPES STUDY:

RECORD HOUSES OF 1973

PLUS APARTMENTS OF THE YEAR

TWENTY EXCEPTIONAL HOUSES AND EIGHT MULTI-FAMILY PROJECTS
SELECTED FOR THE 1973 AWARDS OF EXCELLENCE FOR DESIGN

ARCHITECTURAL RECORD

**You put in a
Solarian®
no-wax floor
for the
same reasons
you put in
a microwave
oven.**

A microwave oven makes life easier for the cook. And a bright, shiny Solarian no-wax floor makes life easier for the maid.

Since the cook and the maid are one and the same—the lady who's buying your home—these labor-savers are powerful added incentives to buy.

Solarian is a major breakthrough in easy-care flooring. It keeps its high gloss—without waxing—far longer than an ordinary vinyl floor. And most spills, dirt . . . even black heel marks . . . come up easily. Sponge-mopping with a mild detergent is all it takes to keep Solarian sparkling bright.

We've been telling the Solarian story in national advertising. And women have responded by making it the most successful new Armstrong product in years.

It goes to show that when a woman likes something, there's a good chance a man will buy it. And that's why Solarian should be an important part of your plans.

Floor design copyrighted by Armstrong.

 **Armstrong**

CREATORS OF



THE INDOOR WORLD®



ver: Private residence, East Hampton, New York
 hitects: Gwathmey Siegel Architects
 otographer: Ezra Stoller© ESTO

RECORD REPORTS

Preface
 by Barclay F. Gordon

Cartoon
 by Alan Dunn

ARCHITECTURAL BUSINESS

Photographers of Record Houses

Entry procedure for Record Houses 1974

Architects of Record Houses

ARCHITECTURAL ENGINEERING

New products for the house

**Record Houses Reader Service
 Inquiry Card**

New literature for house planning

Index to advertising

SPECIAL ASSISTANCE TO THE EDITOR

ation of this issue were:
 . Gordon, editor-in-charge
 . Smith, Jr., managing editor
 Morgan
 llen, assistant editor
 . Hamlin, associate editor
 Netburn, assistant editor
 artigan, assistant to the editors
 ba, assistant to the editors
 , art direction
 ttrell, illustration
 edderus, illustration
 ia Egger, art production

**BUILDING TYPES STUDY 448
 RECORD HOUSES OF 1973**

- 34 **Bookstaver house**, Westminster, Vermont
 Architect: Peter L. Gluck
 - 38 **Cannady house**, Houston, Texas
 Architect: William T. Cannady
 - 40 **Bikales house**, Lincoln, Massachusetts
 Architects: Earl R. Flansburgh
 and Associates, Inc.
 - 44 **Coplans house**, San Francisco, California
 Architects: Burger & Coplans, Inc.
 - 46 **Simon house**, Remsenburg, New York
 Architects: Barbara and Julian Neski
 - 50 **Lowenstein house**, Montauk, New York
 Architects: Chimacoff/Peterson
 - 52 **Private residence**, Maine
 Architects: Robert Burley Associates
-
- Norman McGrath
- 54 **Schwaikert house**, Salisbury, Connecticut
 Architect: Hugh Newell Jacobsen
 - 58 **Private residence** in San Mateo County,
 California
 Architects: McCue Boone Tomsick
 - 60 **Levin house**, Galveston, Texas
 Architect: Howard Barnstone
 - 62 **Private residence** in Pebble Beach, California
 Architects: Smith & Larson
 - 66 **Mark house**, Truro, Massachusetts
 Architect: Paul H. Krueger
 - 68 **Lozano house**, Santa Cruz County, California
 Architects: Behn and Gavin
 - 72 **Moger house**, Southampton, New York
 Architect: Richard R. Moger
 - 74 **Private residence** at The Sea Ranch, California
 Architects: MLTW/Moore Turnbull
 - 76 **Comstock house**, Atlanta, Georgia
 Architects: Pearson & Porter
 - 78 **Oliver house**, Portland, Oregon
 Architect: James C. Oliver
 - 80 **Heidemann house**, Beverly Hills, California
 Architects: Pulliam, Matthews & Associates
 - 84 **Private residence** in East Hampton, New York
 Architects: Gwathmey Siegel Architects
 - 88 **Briggs house**, L'Arbre Croche, Michigan
 Architects: William Kessler & Associates, Inc.

**FEATURES:
 APARTMENTS OF THE YEAR**

- 94 **Tustin Apartments**, Tustin, California
 Architects: Backen, Arrigoni & Ross, Inc.
- 98 **Lemon Tree Village**, Coconut Grove, Florida
 Architect: Charles Harrison Pawley
- 100 **Seascape II**, Solana Beach, California
 Architects: Oxley/Landau/Partners
- 102 **Country House Condominiums**,
 Black Butte, Oregon
 Architects: Hall and Goodhue
- 104 **Pink Grove Townhouses**, Brockton,
 Massachusetts
 Architects: The Office of Samuel Paul; con-
 sulting architects: Pietro Belluschi and
 Jung/Brannen Associates, Inc.
- 106 **Greeley West Apartments**, Greeley, Colorado
 Architects: Donald R. Roark & Associates
- 108 **Harrison Street Apartments**, Oakland,
 California
 Architects: Peters & Clayberg & Associates
- 110 **Esplanade Village Ltd.**, Redondo Beach,
 California
 Architects: Brent, Goldman, Robbins & Bown



Chuck Crandall

EDITOR

WALTER F. WAGNER, JR., AIA

MANAGING EDITOR

HERBERT L. SMITH, JR., AIA

SENIOR EDITORS

ROBERT E. FISCHER
WILLIAM B. FOXHALL
MILDRED F. SCHMERTZ, AIA
ELISABETH KENDALL THOMPSON, FAIA

WASHINGTON EDITOR

ERNEST MICKEL, Hon. AIA

ASSOCIATE EDITORS

BARCLAY F. GORDON
CHARLES E. HAMLIN

ASSISTANT EDITORS

GERALD ALLEN
CHARLES K. HOYT
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
ROBERT F. HASTINGS, FAIA
PAUL RUDOLPH, FAIA

INDUSTRY CONSULTANT

GEORGE A. CHRISTIE, JR., Economics

McGRAW-HILL WORLD NEWS

WALTER A. STANBURY, Director
20 domestic and
international news bureaus

PUBLISHER

BLAKE HUGHES

SALES MANAGER

LOUIS F. KUTSCHER

CIRCULATION MANAGER

HUGH S. DONLAN

PHOTOGRAPHERS OF RECORD HOUSES OF 1973

Gil Amiaga, 152 East 23rd Street, New York, New York (72)
Morley Baer, 7 Greenwood Common, Berkeley, California (62, 102)
Jeremiah Bragstad, 1620 Montgomery Street, San Francisco, California (58)
Chuck Crandall, 1784 North Orange Grove Avenue, Hollywood, California (110)
Rick Gardner, 5116 Morningside, Houston, Texas (60)
Gorchev + Gorchev, P.O. Box 85, Winchester, Massachusetts (104)
Edward Jacoby, 108 Mt. Vernon Street, Boston, Massachusetts (40)
Jonathan King, 680 Flintdale, Houston, Texas (38)
Balthazar Korab, 1755 Livernois, Troy, Michigan (88)
Robert Lautman, 3558 Albemarle Street, N.W., Washington, D.C. (54)
William Maris, 80 West 40th Street, New York, New York (46)
Clyde May, 1037 Monroe Drive N.E., Atlanta, Georgia (76)
Alan McCoy, c/o James C. Oliver, 124 Southwest Yamhill Street, Portland, Oregon (78)
Norman McGrath, 164 West 79th Street, New York, New York (34, 50, 52)
Richard Payne, 12839 Butterfly Lane, Houston, Texas (38)
Steve Rosenthal, 56 Boyd Street, Newton, Massachusetts (66)
Julius Shulman, P.O. Box 46206, Los Angeles, California (80, 100)
Ed Stoecklein, 24 Irving Avenue, Floral Park, New York (94)
Ezra Stoller ©ESTO, 222 Valley Place, Mamaroneck, New York (84)
Joel Wray, 7210 Red Road, South Miami, Florida (98)
A. Youngmeister, 2828 Prince Street, Berkeley, California (74)

ENTRY PROCEDURE: Any architect registered in the United States is invited to submit material for consideration in RECORD HOUSES® and Apartments of 1974. Include the following items: 6 clear informal photographs, black-and-white preferred, fully describing the architectural intent, both the exterior and the interior (35 mm. slides must be in 8½ x 11 in. clear envelopes); relevant plan sections (not working drawings); and a descriptive sheet including the architect's name and local address. Do not send originals or other material which must be returned before the issue appears. Deadline is October 15, 1973.

ARCHITECTURAL RECORD (Combined with AMERICAN ARCHITECT, ARCHITECTURE and WESTERN ARCHITECT AND ENGINEER) Mid-May 1973, Vol. 153, No. 6. Title © reg. in U.S. Patent Office © copyright 1973 by McGraw-Hill, Inc. All rights reserved. Copyright not claimed on four-color illustrations on front cover and on pages 37, 39, 40, 49, 51, 53, 55, 65, 70, 84, 85, 86, 88, 96 and 104. 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 and October when semi-monthly, by McGraw-Hill, Inc.

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

EXECUTIVE, EDITORIAL, CIRCULATION AND ADVERTISING OFFICES: 1221 Avenue of the Americas, New York, N.Y. 10020. Other Editorial Offices: 425 Battery Street, San Francisco, Cal. 94111; 1249 National Press Building, Washington, D.C. 20004. PUBLICATION OFFICE: 1221 Avenue of the Americas, New York, New York 10020. Second class postage paid at New York, New York 10001 and at additional mailing offices.

OFFICERS OF McGRAW-HILL PUBLICATIONS COMPANY: John R. Emery, president; J. Elton Tuohig, senior vice-president—services; David J. McGrath, group vice president; vice presidents: Ralph Blackburn, circulation; John R. Callahan, editorial; John B. Hoglund, controller; David G. Jensen, manufacturing; Jerome D. Luntz, planning &

development; Joseph C. Page, marketing; Robert M. Wilhelm

CORPORATION OFFICERS: Shelton Fisher, president; V. Traendly, group president—McGraw-Hill Publications Corporation; McGraw-Hill Information Systems Company; John J. Cooke, president and secretary; Ralph S. Webb, treasurer.

SUBSCRIPTIONS: Subscriptions solicited only from architects, engineers. Position, firm connection, and type of firm must be stated on subscription orders; CHANGE OF ADDRESS or subscription letters should be forwarded to Fulfillment Manager, ARCHITECTURAL RECORD, P.O. Box 430, Hightstown, N.J. 08520. Provide old address, zip code or postal zone number. If possible, include address label. Annual subscription prices: U.S., U.S. possessions: \$9.00 for architects, engineers and other individuals; Canada: \$9.00 for architects, engineers and other individuals; all others \$20.00. Other countries: \$22.00 for architects, engineers; others \$30.00. Single copies \$3.00.

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

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



First Impressions Are Important!

GET TO KNOW US!

128-page permanent
Encyclopedia XVIII
available by professional
request.

PRECEDENTED COLLECTION

of

...s, window panels, bifolds,
...ns, dividers, grilles, patio
and paneling

...yles Traditional Louvers

...yles Ante Bellum Plantation
...ers (2½" - 3½" louvers)

...cal Louvers

...ers & Curtains

...les & Curtains

...les Window & Door Panels
...decorative inserts

...les Decorative Inserts:

...genuine canes, multicolored
...plastics, ornamental metals,
...Austrian poufs, shirred cur-
...tains, laminations, ramma
...frats, wood grilles, decora-
...tive glass, and more

...les Shoji Panels

...les Grilles and Dividers

...les Folding Screens

...les Carved Panels

...les Hand-Carved & Solid
...Doors

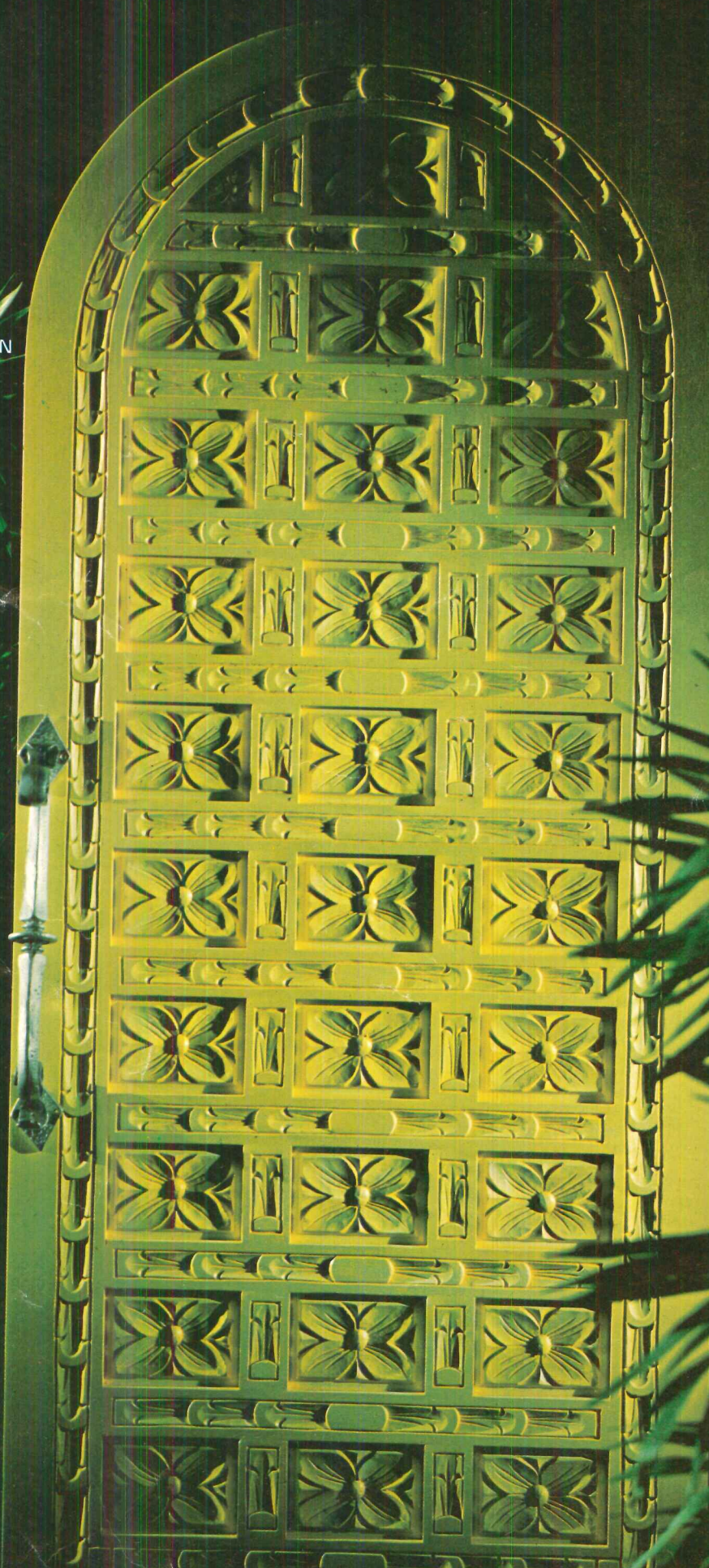
...o
... & Mahogany Panels
...Carved Crests



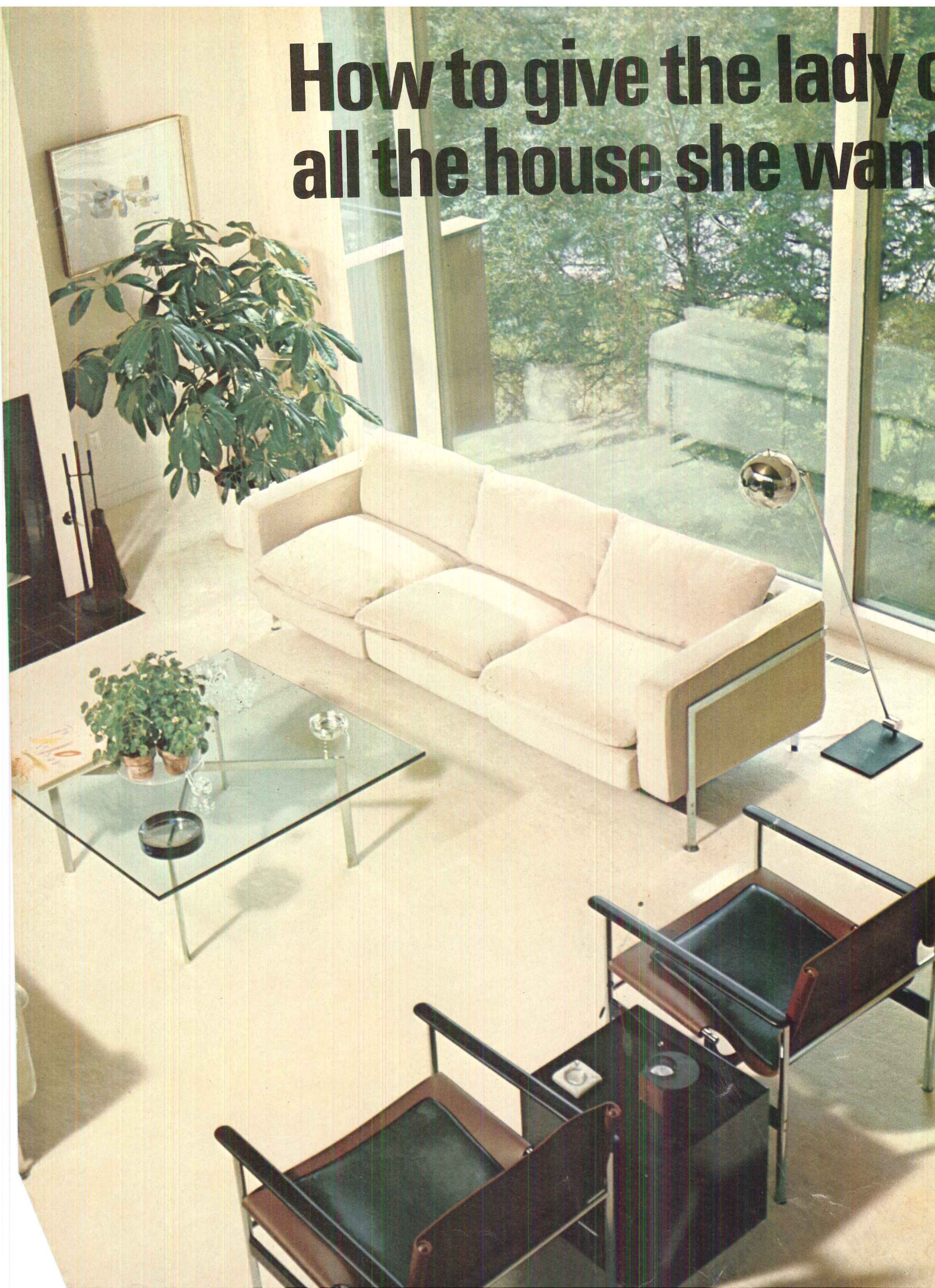
NECREST INC.

Designers
and
Manufacturers
of Premium Custom
Woodworking

OSSELL H. UNDERDAHL
ident
0 Nicollet Avenue
neapolis, Minnesota 55408



**How to give the lady of
all the house she wants**



the house

...dy of that next house you build will
...ome pretty definite ideas about what
...ants. Of course, there's the modern,
...kitchen. But her modern outlook on
...usewife's role also has her looking
...y-by-day excitement to live with.
...nd airy spaces. Yet privacy and
...rt. Beauty, and as always, economy.
...ny of the ideas the lady is looking
...rt with PPG Glass. Patio kitchens,
...-wall vanity mirrors, bedroom
...ies, mirrored wardrobe doors, and
...baths. Just to name a few.
...instance, here's what Mrs. Ray
...y told us about her new home: "We
...lot of glass to give each member
...family his or her own moments with
...ite view. There's a large sliding glass
...n the side wall of our breakfast area
...can enjoy a beautiful, old redbud
...here he's hung a bird feeder. Meg's
...has a floor-to-ceiling picture window
...ks out onto a peaceful garden. My
...e view is the one off our bedroom—
...ded deck that's nestled among the
...some evergreens.

...course, we haven't used glass only
...ws. The clerestory windows through-
...the house balance the light from the
...glass areas. So every hour of the day,
...light changes, the mood in each
...changes.

...r old house was much larger, but
...e seems to have so much more
...And it's certainly more exciting to
...re."

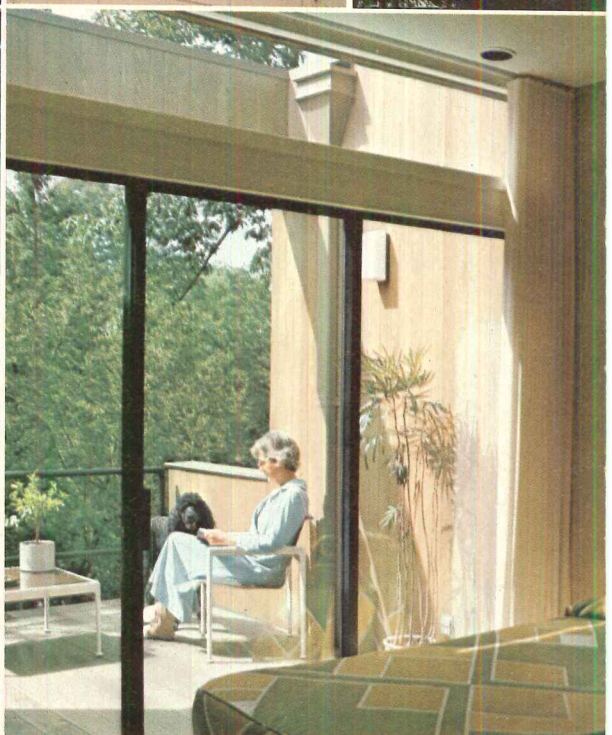
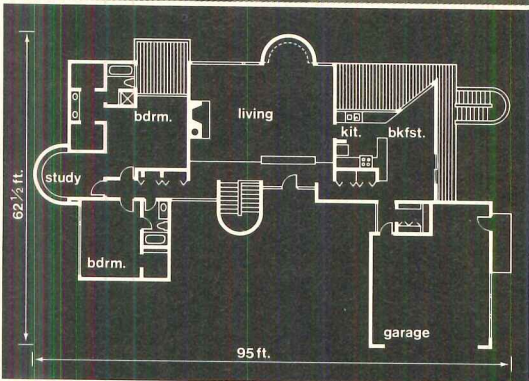
...t: **John Bloodgood, AIA**
...Rothchild-McCarville Construction
...any

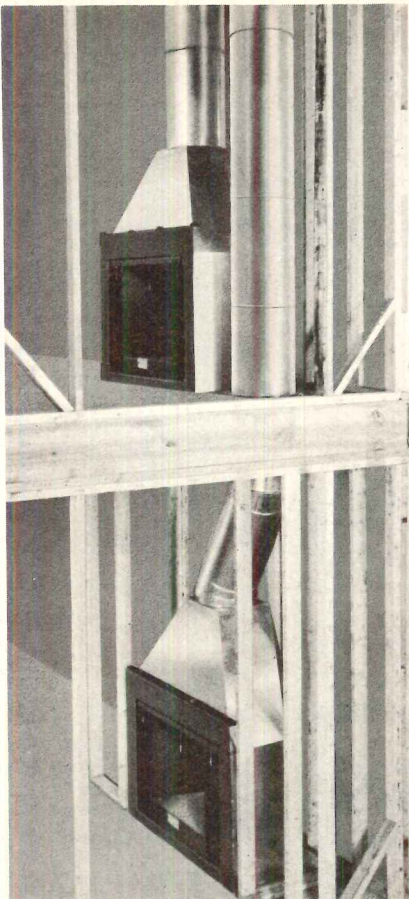
...G Glass is more than beautiful. It's also
...ctical.
...s **7window® XI™** Insulating Glass—two
...glass welded together with a special
...in between—keeps out all the weather.
...the view.
...lite® K tempered safety glass, for patio
...m doors, is many times stronger than
...glass. If it ever does break, it crumbles
...ll pieces that reduce the chance of serious
...injury.
...PG's **High-Fidelity®** float glass in mirrors
...w dimensions to any of the rooms in your

...e you see an idea in Mrs. Murphy's home
...can use with the ladies. Or maybe you'll
...eral in our new book full of building ideas,
...merican Homes." Write us for a free copy.
...ustries, Inc., Dept. AR-143, One Gateway
...Pittsburgh, Pa. 15222.

A Concern for the Future

...e data, circle 2 on inquiry card





Heatilator fireplaces stack to any arrangement.



Renters now paying up to \$15 more per month.

Something simple for the builder who hasn't tried Heatilator no-masonry fireplacing.

Shown above is one reason why Heatilator fireplaces are so popular with developers; they make it so easy to include highly competitive fireplace charm in homes and apartments.

Simple installation. These factory-built systems come complete—fireplace, chimney and roof termination, ready to install. Place anywhere in any room, on wooden floors, up against combustible wall materials. No masonry foundation required! Easily stacked for multi-level arrangements.

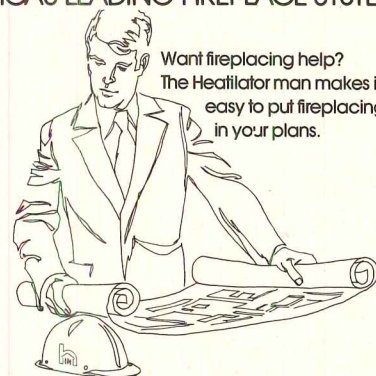
Extra profits. Builders are boosting rental income up to \$15 more per month, increasing their cash flow, loan and sales value with Heatilator factory-built fireplaces.

Complete selection available—woodburning and gas models, built-in, wall-hung and free-standing. All offer unlimited decorative and trim options.

Call collect, (319) 385-3198 for fireplacing assistance from your Heatilator Man. He'll help you factor fireplacing simplified into your plans, and leave behind a useful Fireplace Planning Guide. Heatilator Fireplace, A Division of Vega Industries, Inc., 3353 W. Saunders Street, Mt. Pleasant, Iowa 52641. Also available in Canada.

See Catalog in Sweet's Architectural and Light Construction File.

heatilator[®]
AMERICA'S LEADING FIREPLACE SYSTEMS



Want fireplacing help?
The Heatilator man makes it easy to put fireplacing in your plans.



Built-in wood or gas fireplacing.



Wall-hung gas fireplacing.



Free-standing wood fireplacing.

For more data, circle 3 on inquiry card

Slater. Still the best decorator devices.

Slater pioneered decorator devices, and we still make the finest line in the industry.

At Slater, we make them better, or we won't make them. Our expanded Decorator Line of spec grade touch switches and receptacles, for example. And we've come up with a unique idea added to a great modular concept—personalized embossing on the touch switch. You know there isn't a motel around that wouldn't love to see its name on every switch in the building. We can emboss other things, too, like switch functions (fan, disposal, etc.). The possibilities are limitless.

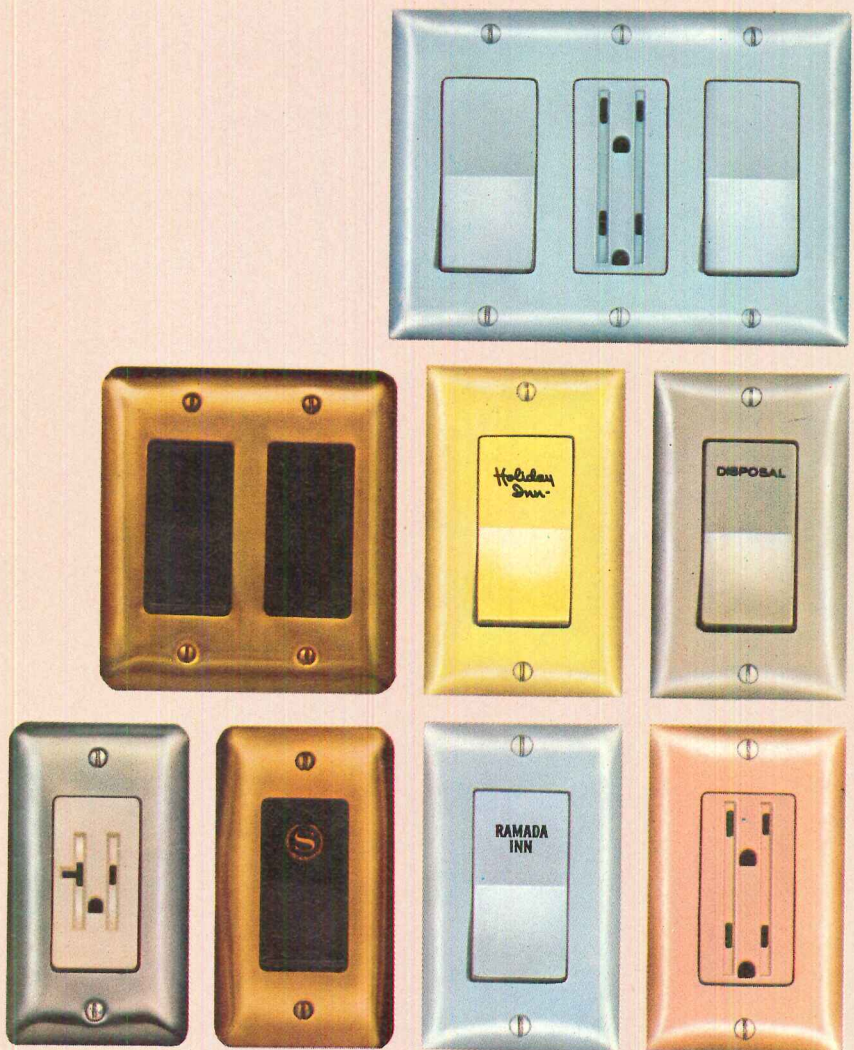
A small detail? Let's face it. An advantage is an advantage.

The Decorator Series includes the 885 receptacle, the 770 touch switch and a wide variety of combination devices, plus 20 amp versions. All duplex receptacles are available with AUTO-GROUND™. And—speaking of advantages—the modular design of our Decorator Series permits fabulous inventory control. One plate fits both switch and receptacle.

And last, but not least, are the colors. The newest decorator pastels belong in the newest buildings. The only part of an installation that the customer sees is the devices installed on the wall. If he likes what he sees, so much the better.

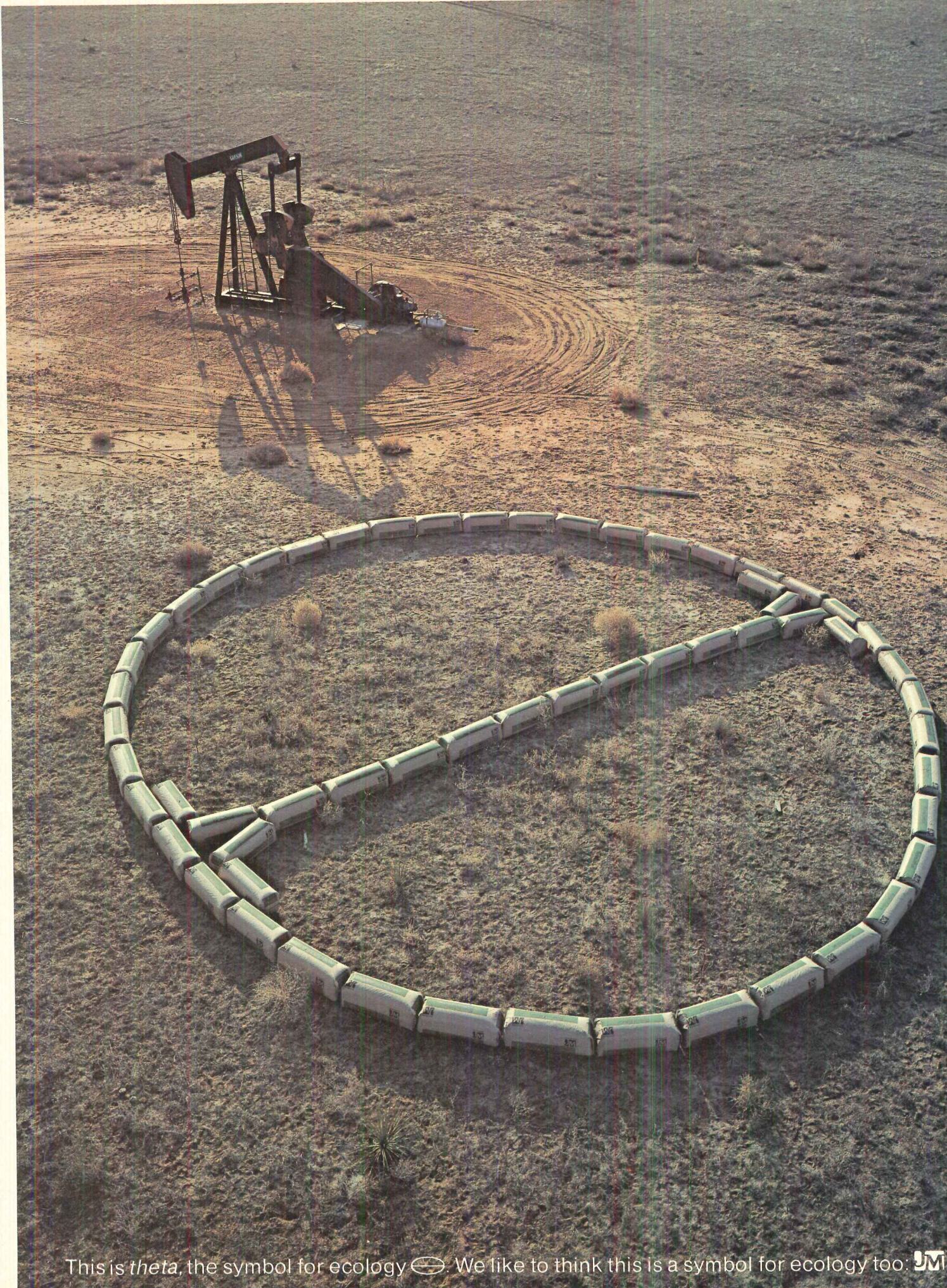
Slater. The Decorator Line that makes *you* look good.

We have a whole bunch of new ideas at Slater. But they all boil down to one thing: It's good business to do business with Slater. The leader.



Slater

GLEN COVE, L.I., N.Y. 11542
HEAVY DUTY AND RESIDENTIAL GRADE WIRING DEVICES



This is *theta*, the symbol for ecology \ominus . We like to think this is a symbol for ecology too: 

NO. 2 IN A SERIES.

We created this poster to make a point.
Namely, that people who make, specify, and install building insulation are very much a part of the ecological movement that's sweeping the world.

After all, every time a bit of thermal energy is wasted, a bit more of our precious energy resources is gone. Forever.

Most people today are more conscious of their environment than ever before. So they like the idea of going beyond the minimum requirement for fiber glass insulation in their new homes.

Of course, this extra insulation doesn't just help save our resources; it helps the homeowner get more energy for his money, too.

Naturally, we hope that insulation is Johns-Manville fiber glass insulation.

And to help you remember that we're all doing our part in the battle to save America's energy resources, we'd like to give you this 22" x 28" poster.

Just send in the coupon below.

Johns-Manville 

Johns-Manville Corporation
Box 5705-RP 340, Denver, Colorado 80217

Name _____

Firm _____

Address _____

City _____ State _____ Zip Code _____

For more data, circle 5 on inquiry card

Now that all 6 window types are available in Andersen Perma-Shield® a little restraint may be called for.

Please don't get carried away and insist on including all 6 types (and shutters, yet) in your very next project.

The Andersen Perma-Shield® line is very compatible, but not, we think, that compatible. (Prove us wrong, if you like.)

But don't let sensible restraint curb your enthusiasm for Perma-Shield, and the benefits which flow from its happy combination of the qualities of wood (superior insulation, greater appeal) with a protective sheath of tough vinyl (no painting and low, low maintenance). Perma-Shield's list price is understandably often a little higher than alternatives. On-site savings close the gap.

We appreciate your enthusiasm. Go ahead and use Perma-Shield whenever you please—but just two or three types in any one project will be just fine. See your Sweet's File (Sections 8.16/An and 8.6/An), your Andersen dealer or distributor, or write us direct.

Double-hung. The Perma-Shield Narroline®, a great favorite. 44 stock sizes, up to 6' 5 1/8" in height. Exterior surfaces of sash have a patented 4-step factory finished process; they won't need re-painting for at least 10 years.

Fixed. All Perma-Shield window types have fixed and operating versions.

Awning. Introduced with Perma-Shield Casement in 1966. A great mixer, especially with fixed windows. 12 stock sizes. Much copied, never equalled, let alone surpassed.

Andersen Windowalls®
ANDERSEN CORPORATION BAYPORT, MINNESOTA 55003



For more data, circle 6 on inquiry card





Casement. The first Perma-Shield, now available in 24 stock sizes. Builders like the Perma-Shield line for its ease of installation and because it needs no exterior on-site painting.

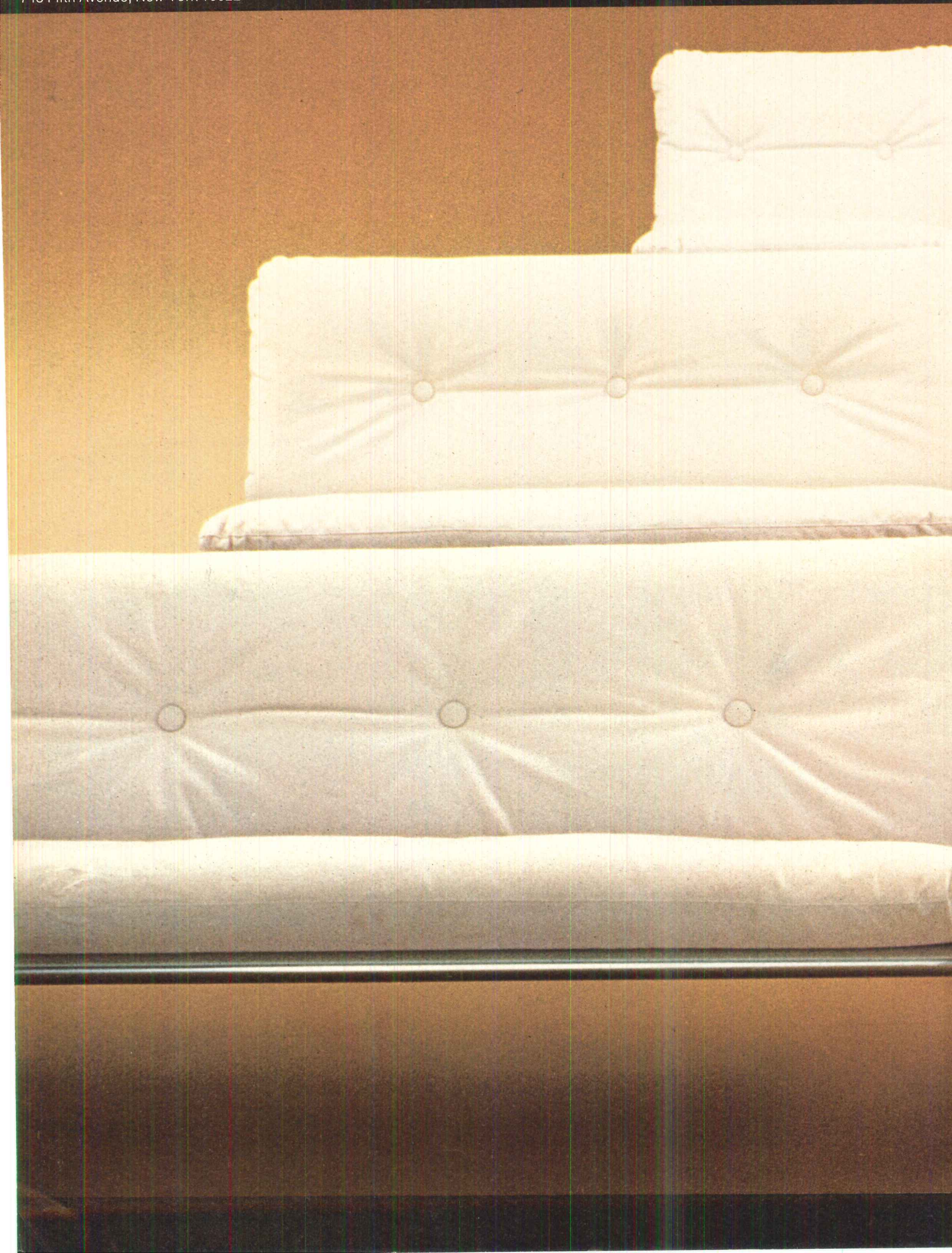
Gliding Window. The latest in the line. Frame and sash all sheathed in Perma-Shield vinyl. 11 stock sizes. Perma-Shield is popular with all concerned, especially proud owners.

Shutters. Just out! Perma-Shield decorative shutters. 2 styles, 2 colors, 2 widths, 10 heights.

Gliding Door. Low maintenance, high security. 8 stock sizes, 2 and 3 panel. But all this talk is keeping you away from your drawing board where you could be drawing in some Perma-Shield Windows, Gliding Doors, and Shutters. But not all 6 types together, you understand?

Knoll International

745 Fifth Avenue, New York 10022



new Ivar Morrison and Bruce R. Hannah design for Knoll

new additions to their suspension seating system are now available. Reversible Pad group offers practical, removable upholstery cushions, and the plastic shell provides a neat solution to the problem of cleaning in high use applications.

Knoll International operates in 25 countries.



CARADCO'S NEW PF-PLUS

the warmth of wood, priced like



The luxury of Wood is Affordable when you Go Cara

PATIO DOOR... old, wet metal.



You'll never have a better opportunity to put some romance into your home. Because people associate wood with warm, pleasant settings. Wood is just naturally warmer. In the way it insulates. The way it feels to the touch. The way it looks.

With the warmth of wood patio doors, rooms take on a cozy, homey feeling. A bright, friendly look which metal doesn't have. And when you couple such warmth with trouble-free Caradco design, you can talk pure pleasure. Even the price is heartwarming!

You'll like the maintenance-free beauty . . . it's prefinished inside and out to blend with any decor. Concealed adjustable rollers assure easy to open, easy to close, no bind operation. Tempered insulating glass, interlocking no-draft weatherstripping and thermal barrier sill bring quiet, no draft, all weather-comfort to your home.

But you really must see and try this new PF-Plus Wood Patio Door to appreciate how much romance it can put into your homes and apartments. Give your Caradco Distributor a call today.

**Caradco
Window and Door Division**

Scovill

Main Plant: Dubuque, Iowa 52001
Hainesport Assembly Plant
Hainesport, New Jersey 08036
Ohio Assembly Plant
Columbus, Ohio 43204



Olympic Stain: For people who love wood.

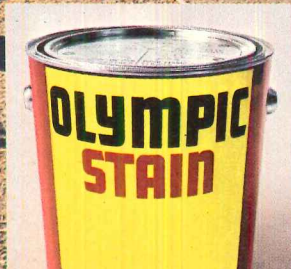
Olympic Stain is one of the most beautiful things you can do for wood.

Olympic brings out the wood's grain and subtle beauty, it also penetrates for protection.

Because Olympic Stain allows wood to breathe, the finish will never crack, peel or blister.

The solid colors are trouble-free for re-do over old paint on rough wood.

For more data, circle 9 on inquiry card



For color samples on wood, write on your letterhead:
1148 NW Leary Way, Seattle, Wa. 98107. Olympic Stain. A division of COMERCO, INC.





You build a more desirable home when you open it to natural light through single or multiple skylights of Plexiglas acrylic sheet.

Standard skylights of Plexiglas are available in a range of shapes and sizes to conform with any house design and permit the daylighting of all types of rooms, or even a completely enclosed atrium. In addition to crystal-clear colorless Plexiglas, you can choose from a range of grey and bronze tints that control solar heat and glare.

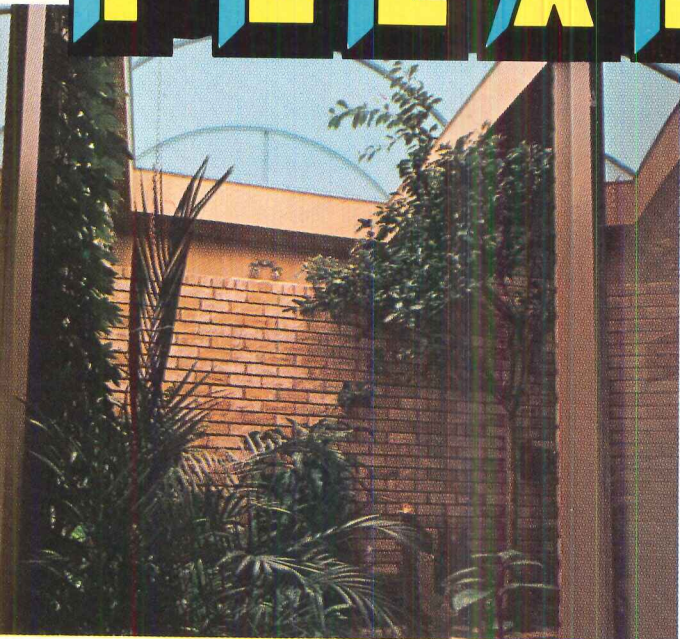
The light weight of Plexiglas makes installation of skylights economical. The toughness of Plexiglas insures safety and ease of maintenance. The time-proved weatherability of Plexiglas makes certain that your customers will be happy over the years with their windows to the sky.

Write for our brochure, "New Ideas in Home Daylighting with Plexiglas" and the names of skylight manufacturers.

PLEXIGLAS is a trademark Reg. U.S. Pat. Off.

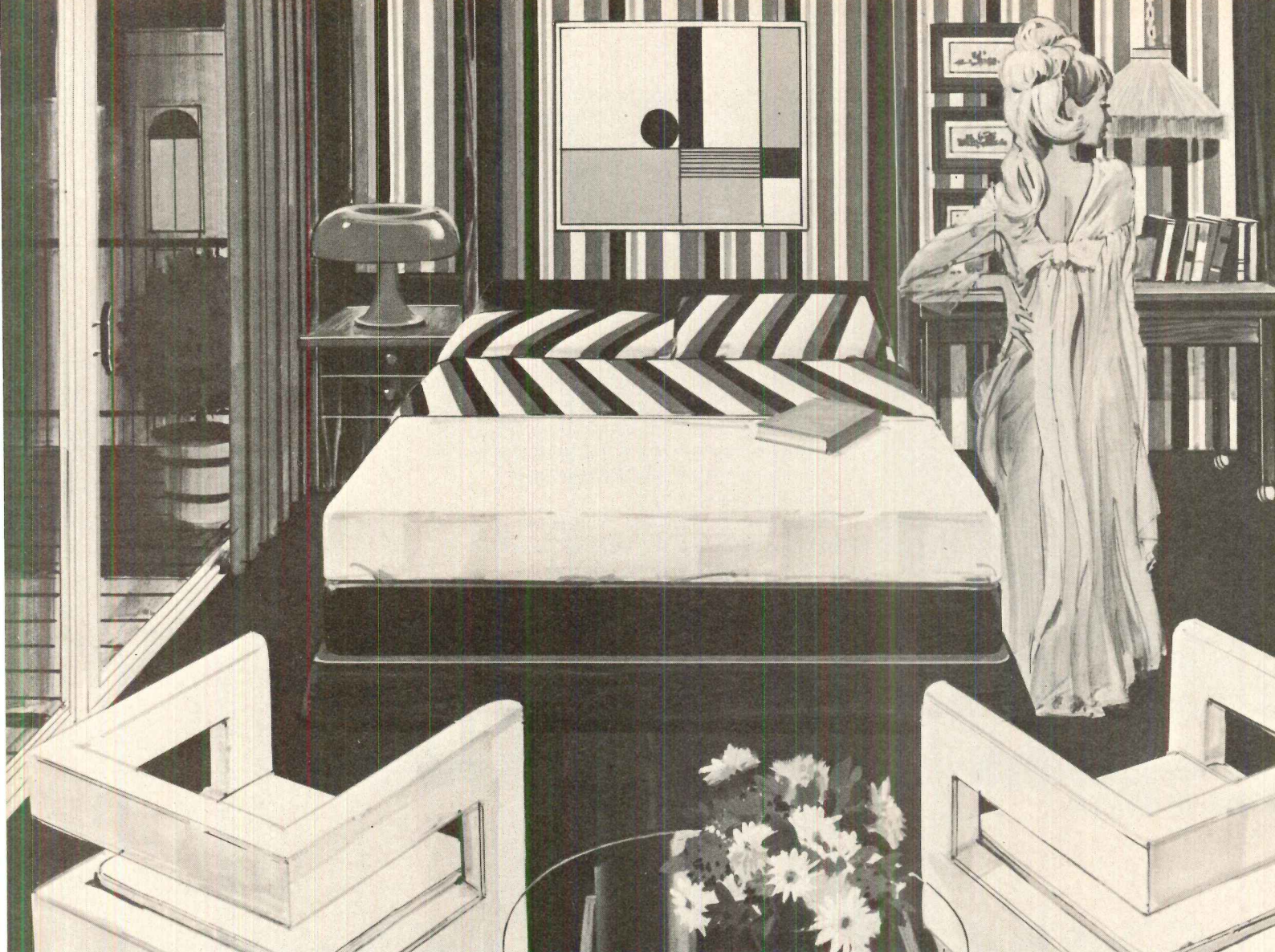
FOR MORE
DESIRABLE HOMES:

DAYLIGHT WITH PLEXIGLAS®



**ROHM
AND
HAAS** 
PHILADELPHIA, PA. 19105

For more data, circle 10 on inquiry card



Above: Sico bed ready for nighttime. Below: Sico bed raised for daytime use.

A Sico Bed will stretch one room into three.

Sico's Fifth Wall system offers more privacy and profitability for studio apartments and condominiums without sacrificing comfort and appearance.

This Sico Convert-A-Room concept turns one room into three — a beautiful living room by day, and spacious bedroom by night, with an additional privacy/dressing area included. Gives your tenants more usable space for their money while you get more rent per square foot.

The Fifth Wall contains a single

up to queen size bed and acts as an attractive privacy wall. You may buy the Sico bed, the desk/table and the night stand as a complete unit or as individual modules. It's so easy to transform the living room to a bedroom; the Sico bed

literally "floats" to the floor at a touch of the hand. There are other in-wall beds, but only one Sico Convert-A-Room System. Let a Sico representative show you how to increase apartment space and profits.



SICO
SICO INCORPORATED

Dept. AR 5-73

Box 1169, Minneapolis, Minn. 55440

Phone: (612) 941-1700

Cable: WILSICO, Mpls.

For more data, circle 11 on inquiry card



For Oak Townhouse and Apartment complex, St. Louis, Missouri, features use of Non-Com® Exterior for board and batten cedar siding.
Owner: Lincoln Property Company, St. Louis. Architects: Dale E. Selzer, AIA, Dallas; Hastings and Chivetta, AIA, St. Louis.

Fire-retardant wood for the great outdoors ...Non-Com® Exterior.

rustic, outdoor beauty of wood
"Welcome Home" to prospective
renters—it has a gracious warmth that
is like.

When that Non-Com Exterior treated
wood is here, you can add the aes-
thetic appeal of wood to your apart-
ment or townhouse construction—and
at the same time obtain built-in fire
protection that is code recognized,
qualifies for favorable
insurance rates.

Non-Com Exterior treated wood is the
most fire-protected wood in the world
and is suitable for outdoor service.
Specify it for siding, soffits, framing

and other weather-exposed areas.
The fire-retardant quality stays safe
outdoors, even in the wettest loca-
tions, because Non-Com Exterior is
an all-weather treatment.

Non-Com Exterior fire-protected
plywood and lumber opens up a
wealth of practical possibilities in
commercial construction. Think about
the benefits this Koppers super wood
can add to your next job.

Koppers has a full line of wood prod-
ucts with built-in fire protection, for
indoor and outdoor use; plus fire-
retardant red cedar shakes and
shingles. For literature, send for

W-640 and 576. Forest Products
Division, Koppers Company, Inc.,
750 Koppers Building, Pittsburgh, Pa.
15219.

71-9

KOPPERS
Architectural and
Construction Materials

Introducing the montgomery[®] SPM-t[™] 2500

...standard pre-manufactured traction elevators for medium-rise buildings

Montgomery's new SPM-T2500 traction elevator package will save you *time* and *money* on your medium rise building project. Standard pre-manufacturing by Montgomery means lower cost to the owner, faster delivery and installation while maintaining "custom" quality. The Montgomery SPM-T2500 is rated at 2500 pound capacity with a choice of 200 or 350 fpm speeds. Montgomery's SPM-T2500 is designed for single or multi-car applications.

If you want to know more about this new Montgomery quality engineered traction elevator package, contact our general office or look in the Yellow Pages for the location of one of our 170 offices. You'll find we're not very far from anywhere in North America.

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

montgomery moves people.

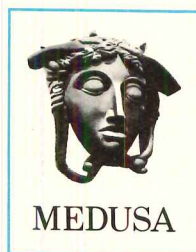
For more data, circle 13 on inquiry card





TOWER FOR LIVING COLOR CONTROLLED WITH MEDUSA CUSTOM COLOR MASONRY CEMENT.

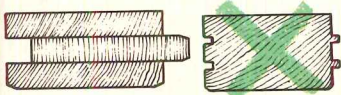
From top to bottom and start to finish the mortar color in this unique apartment tower was controlled by Medusa in strict adherence to the architect's choice. Medusa Custom Color Masonry Cement is mill-mixed under scientific process control. It arrives at the job site ready for mixing with just sand and water. No job site color formulation necessary. The architect and owner get what they specify — with controlled color from start to finish. Write for new color brochure. Medusa, P. O. Box 5668, Cleveland, Ohio 44101.



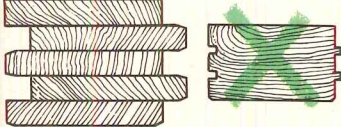
DIVINE TOWERS,
Madison, Wisconsin.
Architect: John J. Flad
& Associates, Madison.
Masonry Contractor: Wild
Masonry Inc., Madison.
Masonry Supplier:
Wisconsin Brick &
Block Co., Madison.
Medusa Custom Color
Masonry Cement
Color No. 79E.

MEDUSA CEMENT COMPANY Division of Medusa Corporation

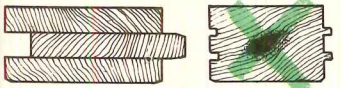
ADVANTAGES OF LOCK-DECK® LAMINATED DECKING



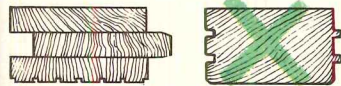
EXCLUSIVE: Lock-Deck consists of 3 or more kiln-dried boards, offset to form tongue on one side and end, groove on the other, laminated with weatherproof glue. We invented it.



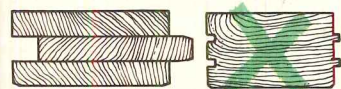
STRENGTH: Lock-Deck offers a range of E factors giving superior load-carrying values in spans to 20' or more in 5" thicknesses.



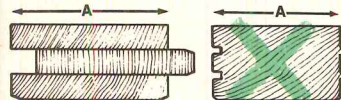
STABILITY: Each board in Lock-Deck is kiln-dried to 10-12% m.c. before lamination. This assures greater stability under all conditions.



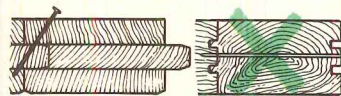
BEAUTY: One or both faces of Lock-Deck can be any desired grade, in a wide choice of species. Solid decking is limited in both grades and species.



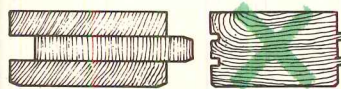
ECONOMY: In-place, finished cost of Lock-Deck is often less than solid decking due to speed of erection, factory-finishing, absence of waste, better coverage.



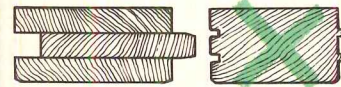
MORE COVERAGE: Offset tongue and groove on Lock-Deck gives more coverage per bd. ft. than machined solid decking.



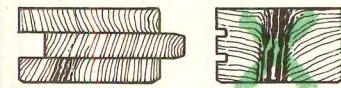
LESS LABOR: Lock-Deck installs quicker, using ordinary nails. Solid decking requires spikes, special fasteners or splines.



LESS WASTE: Offset end match, absence of twisting and few unusable shorts keeps waste well below that of solid decking.



VERSATILITY: Lock-Deck forms excellent load bearing or curtain walls as well as floors and roofs.



DURABILITY: Unlike solid decking, knots or checks can go through only one ply in Lock-Deck. Weather-proof glue and exclusive process make bond stronger than the wood itself.



Murray Hill, Vermont, Townhouses; Deck House, Inc.;
Architects, Deck Associates, Acton, Mass.



Our Lock-Deck® helped Deck House, Inc. create these townhouses

These unique New England townhouses use Potlatch laminated Lock-Deck decking to form both structural roof and floor as well as finished natural cedar ceiling in a single imaginative application. Laminated of three or more kiln-dried boards under heat and pressure, Lock-Deck is available in four thicknesses from 3" to 5", nominal 6" and 8" widths (10" and 12" in some species on inquiry) and lengths from 5' to 15' with 40' and longer available on inquiry. Faces, in a choice of grades and species, can be smooth-surfaced, saw-textured or wire-brushed and factory-finished in

Colorific penetrating acrylic stains. Lock-Deck helped Deck House find a whole new world of creative architecture and construction. It can do the same for you. Write for more information today.

Potlatch

Potlatch Corporation
Wood Products Group
P.O. Box 3591, San Francisco, Ca. 94111

Dannon® bet all its berries on Crusader's carpet of Herculon®...



and really cleaned up.

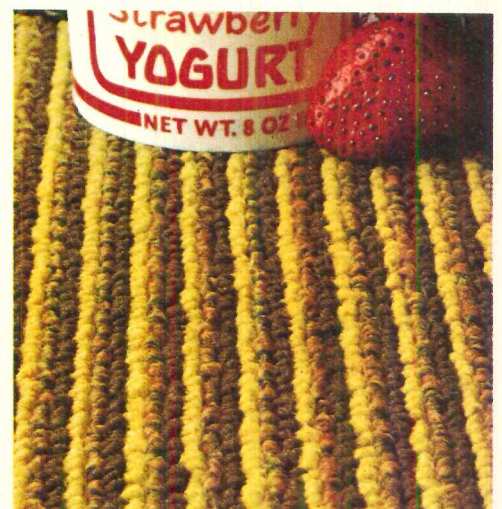
der calls it "Rebound". You'll call it
st carpet news in years. Made with
2600-denier HERCULON* olefin
this handsome level-loop original
neither man nor yogurt.
stain resistance of HERCULON,
ed with uncommon resistance to
on and fading, gives you the ideal
for any commercial installation.

Dannon cleaned up on Crusader's
"Rebound". So will you.

For detailed information on
HERCULON see Sweet's **S** Light
Construction, Architectural and
Interior Design files. Or, write Fibers
Merchandising, Dept. 301, Hercules
Incorporated, Wilmington, Delaware
19899 for free 24 page booklet.



*Hercules registered trademark.



Specify carpet of stain resistant Herculon®

Pick a free

Where you want

PARIS—Savor the stunning beauty of the City of Lights, and indulge yourself in all the Parisian delights. We'll show you Notre Dame, Montmartre, the Louvre, the Champs Elysees and Versailles. You'll revel in the ooh-la-la of incomparable Paris night life. You'll stay at the modern Hotel Meridien. American breakfasts, dinners and gala Parisian parties! Paris in the Spring! Weekly jet departures from March 1 to April 8, 1974.

LONDON—See Big Ben, St. Paul's Cathedral, the Bank of England, Tower of London, Trafalgar and Piccadilly—all the sights that make London one of the world's great cities. Steeped in tradition, yet one of the liveliest cities on earth, it's unsurpassed for shopping, night life, theaters and fine dining. You'll enjoy deluxe accommodations at the posh Metropole Hotel, full breakfasts, gourmet dinners, a night at the theater, membership in a casino, two banquets, sightseeing—and time for yourself. Weekly Pan Am jet departures from Sept. 27 to Nov. 9, 1974.

COSTA DEL SOL—Have the time of your life on Spain's southern Sun Coast. The fabulous Hotel Atalaya Park offers you every resort pleasure. Swimming, fishing, boating, tennis, golf (greens fees included), shopping, sightseeing, or just relaxing in a delightful mañana atmosphere. Full breakfasts, dinners, entertainment and a countryside tour are included. It's luxurious leisure all the way. Weekly departures from April 15 to Sept. 21, 1974.



**Your Progress Lighting
Distributor will send you
on a FREE dream vacation!**

Act now to make the holiday of your dreams happen next year!

Enjoy a pleasure-packed free week, including deluxe hotel accommodations, full breakfasts, dinners, sightseeing, gala banquets, entertainment, transfers, tips—the works!

All you do is go to your participating Progress Lighting Distributor and fill in a registration card for the Progress Lighting Vacation Club.

We'll mail you Vacation Club Stamp Book. Then just paste in the stamps you'll receive

Vacation!

When you want!

ACAPULCO—Mexico's sunny ha- for the international set. Stroll powdery white beaches, surf, sail, or waterski. Dine in grand style enjoy the exciting night life. See Acapulco's famous cliff divers and bar- in the Indian markets for serapes, dolls or other handicrafts. You'll stay Acapulco's finest hotel, the deluxe La Internacional, with full break- s, dinners, parties and a yacht se included. Weekly departures Nov. 1 to Dec. 14, 1974.

BERMUDA—Come to the beautiful Crossroads of the Atlantic. We'll welcome you at a beach barbecue with Calypso mer- riment. We'll relax you on a full day cruise. Wine you and dine you, too. Treat yourself to the beach, the pool, sightseeing by surrey, tennis, golf, lively night life, and shopping for bountiful bargains. Deluxe accommodations at the new St. George Holiday Inn, with full breakfasts and dinners. Weekly departures from May 22 to Sept. 9, 1974.

DOMESTIC VACATIONS

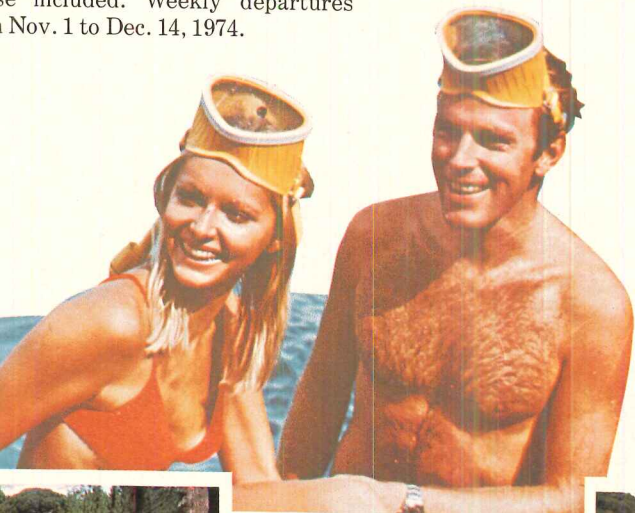
Prefer a vacation nearer home? That's easy, too! Only a half book of stamps lets you live it up for any six consecutive days, June 15 to Sept. 5, 1974. You provide the transportation (perhaps a motor trip). Your Progress Distributor provides deluxe accommodations, all breakfasts and dinners, and more...

Walt Disney World, Florida. Marvelous, magic kingdom of fantasy, plus real luxury at the Hilton Inn South. Disney World tickets included.

Playboy Club-Hotel, Lake Geneva, Wisconsin. Choose your pleasures—sailing, fishing, golf, swimming, riding, and star-studded night life. The ultimate in dining and accommodations.

Montreal is like a trip to Europe. Superb restaurants, scenic beauty and vibrant night life. Stay at the Queen Elizabeth Hotel. Includes breakfasts, dinners, and sightseeing.

Las Vegas. Stay at the glittering Frontier Hotel and Casino, with sumptuous food, and big-name entertainment included. You can golf, swim and try the action in the lavish casino.



Progress Lighting fixtures between now and , 1974.

When you've collected a book of only 50 stamps* ur trip, away you go on the vacation trip of a me! (If you've ever been on a Progress holiday, now it's the height of fun and luxury.)

You must register now to participate. So . See your Progress Lighting Distributor for full details, or send the coupon for our ul 12-page Vacation Club brochure. Now.

rk departures. Varies from Atlanta and Chicago. Plus airport taxes.

progress[®]
LIGHTING
DIVISION OF LCA CORPORATION
PHILADELPHIA, PENNSYLVANIA 19134

PROGRESS LIGHTING Vacation Club
Box 12757, Philadelphia, Pa. 19134

Send me the Progress Lighting Vacation Club brochure with more information.

Name _____

Company _____

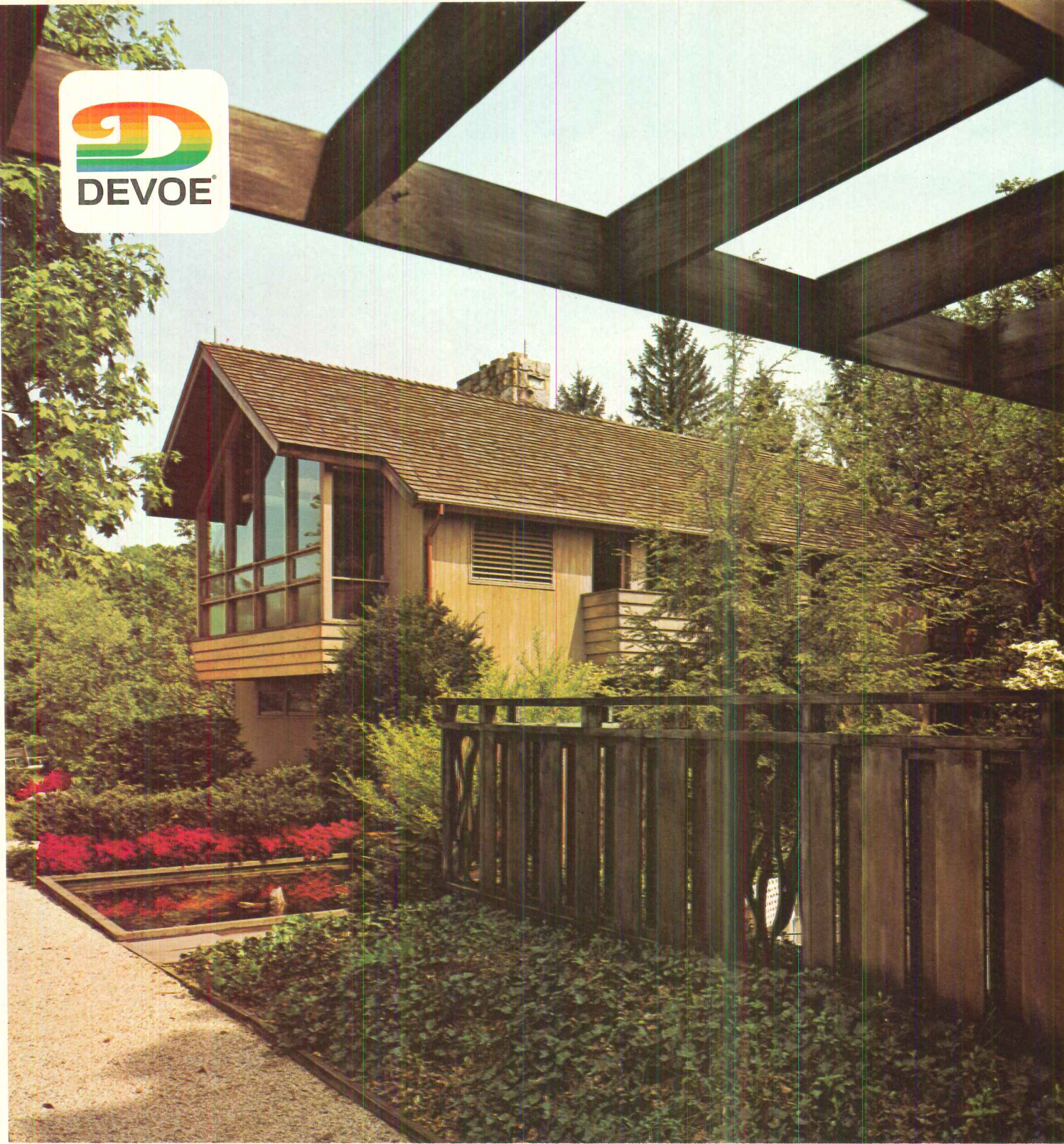
Address _____

City _____ State _____ Zip _____

Builder Electrical Contractor Dealer Other _____

Name of my nearest Progress Lighting Distributor: _____

X-1



Make the Most of Wood's Natural Beauty

When the beauty of natural wood is good enough to protect but too good to cover, there's Wonder Woodtones™. A complete color line of solid hide and semi-transparent stains that enhance the finest qualities of natural wood. Ideal for rustic woods, shingles, shakes, fences, exterior plywood or wood siding.

Wonder Woodtones™ works for you indoors, too—on beams, barnwood, or



rough-sawn panels.

Specify the beauty and protection of Wonder Woodtones™ in greens from the forest, sandtones from the desert and seashore, or basic colors of cedar and redwood. Accent these with striking black, golds, and more.

Find out more about these important exterior stains. Write Devoe Paint, one Riverfront Plaza, Louisville, Ky. 40202.

IMAGINATION FROM  CELANESE®

For more data, circle 18 on inquiry card

Earthstone is so different you can do different things with it.

Natural redburning shale from mother earth, hand-moulded into rustic, glazed semi-vitreous tile. That's what Earthstone is. What it can become is up to you. The authentic richness of Earthstone, enhanced by its variegated texture, cries out for creative

applications. Earthstone's glaze needs no waxing, no buffing, no stripping. Immediately available in six shapes and five rich earth tone colors. Custom shapes available upon request. If you have an idea that's different, we have the Earthstone! Write us for a sample.

florida tile



DIVISION OF SIKES CORPORATION

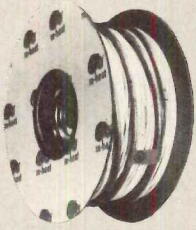
FLORIDA TILE • P. O. BOX 447 • LAKEWOOD, FLORIDA 33802

For more data, circle 19 on inquiry card

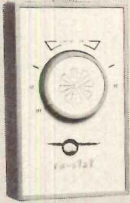
Earthstone is a trademark of Sikes Corporation.



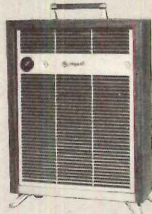
**RESIDENTIAL
COMMERCIAL**



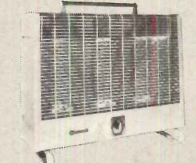
RADIANT HEATING CABLE



RA-STAT THERMOSTATS



PRF (FAN DRIVEN)
PORTABLE HEATER



PORTABLE
RADIANT HEATER



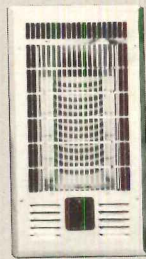
PORTABLE
BASEBOARD HEATER



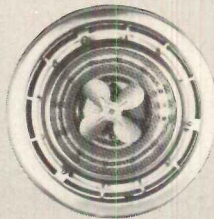
RAYWALL ECB



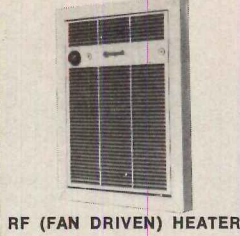
BF (FAN DRIVEN) HEATER



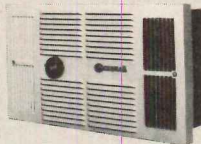
RAYWALL JR.



CEILING HEATER



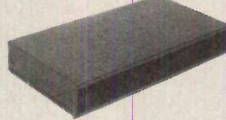
RF (FAN DRIVEN) HEATER



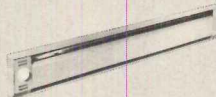
STUD DUCT HEATER



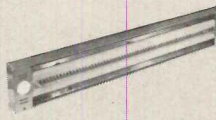
RADIANT WALL
INSERT HEATER



RKS HEATER



BB BASEBOARD HEATER



FB BASEBOARD HEATER



BH BASEBOARD HEATER



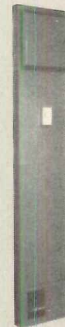
"F" SERIES FURNACE



"FC" SERIES FURNACE



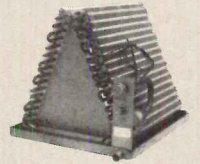
"MFC" SERIES FURNACE



REDI-WARM
FORCED AIR HEATER



"H" COILS



"A" COILS



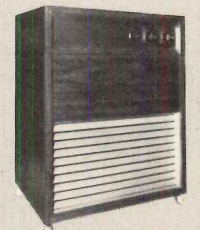
SLOPED COILS



PUMPHOUSE HEATER



ELECTRONIC
AIR CLEANER



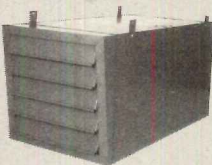
SERIES DP-600-P
ELECTRONIC
AIR CLEANER



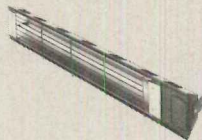
HEATING & AIR CONDITIONING

P.O. BOX T, CARROLL REECE STATION ■ JOHNSON CITY, TENNESSEE 37601 AREA CODE 615/928-8101 ■ TELEX NO. 55-3442

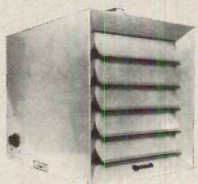
**COMMERCIAL
-INDUSTRIAL**



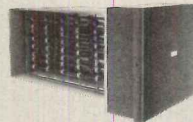
FIH UNIT HEATER



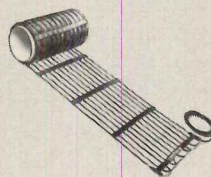
QUARTZ HEATER



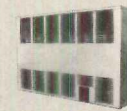
INDUSTRIAL UNIT HEATER



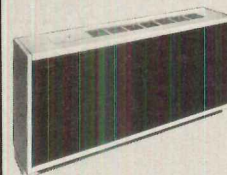
DUCT HEATER



SNOW MELTING MATS



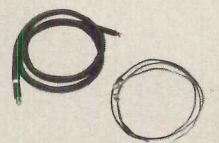
RECESS MOUNT
CONVECTOR HEATER



THRU-THE-WALL
HEATING &
AIR CONDITIONING



PRE-CHARGED
CONDENSING UNIT



PRE-CHARGED TUBING

For more data, circle 20 on inquiry card

RENAISSANCE™

The new, antique look in paneling.

Introducing Renaissance™ hardwood plywood wall paneling from Georgia-Pacific. It comes in six warm shades of real hardwood face veneer, each flecked and shadowed. With a finish that looks handrubbed. Renaissance paneling. A new old-fashioned look, at old-fashioned prices.

Renaissance comes in 4' x 8' x 1/4" panels. And it's available with a Class III flame spread rating. For more information, just contact your G-P representative.

Georgia-Pacific

The Growth Company
Portland, Oregon 97204



Step up to higher profits with Logan spiral stairs.



That's no run-around. When you add the uniqueness of Logan spiral stairs, you add a distinctive custom look and compact convenience that your customers are willing to pay for and could well be their reason for buying. The low cost Logan spiral stairs can easily add far more than their cost to your selling price. ■ The four-foot diameter stair is only \$359.95. And that includes the exclusive upper landing platform and decorative Logan safety railing. These spiral stairs also are available in five-foot and six-foot diameter models. All stock size stairs are pre-engineered to fit floor-to-floor dimensions from 8'-7½" to 10! ■

Erection? It's the easiest. There are only four steps from the carton to the finished installation. And all Logan spiral stairs are reversible for either left or right hand conditions in innumerable applications.

■ Give your customers the unique look of luxury that only Logan spiral stairs can deliver. Call your nearby Logan distributor for immediate delivery. Or contact us for details. Either way, you'll find the stairway to higher profits with Logan. ■ LOGAN CO. Subsidiary ATO Inc. P.O. Box 6107, Louisville, KY 40206.

2421-25 Hunter Street,
Los Angeles, California 90021

Jabco Developer, Inc.

LOGAN CO.

SUBSIDIARY **ATO** INC.

Old pros, up to something new

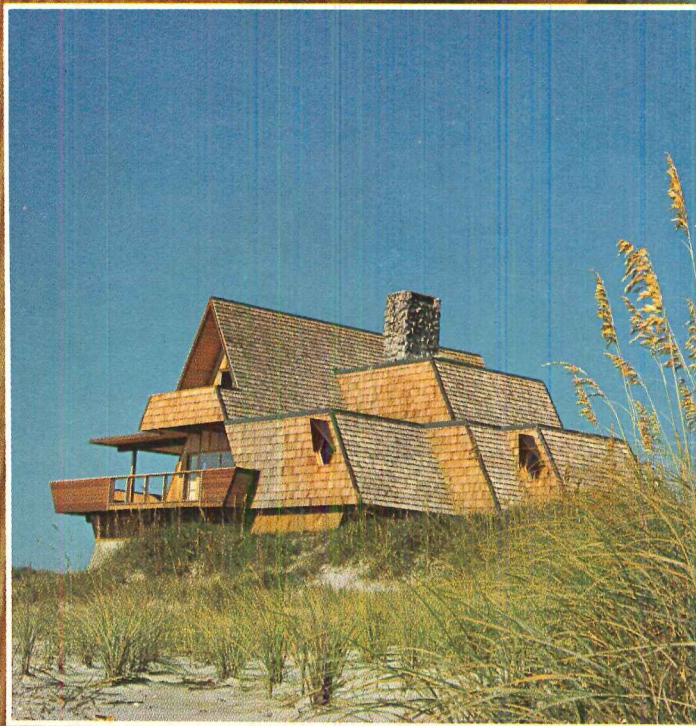
For more data, circle 23 on inquiry card

Hands that learned their craft before
you were born
fashion shingles and handsplit shakes
of red cedar.

An enduring wood. Richly textured.
Strong. Natural.

A wood to touch. And be touched by.
Imagine a home of your own
in red cedar.

Then make it happen.



Write for Timeless Beauty, a book about red cedar and designs for living.
Send 25¢ to: Red Cedar Shingle & Handsplit Shake Bureau, 5510 White Building, Seattle, Washington 9810

For more data, circle 24 on inquiry card

1973

One of the real pleasures of putting this issue together comes from the sense of freedom, of buoyancy, even exuberance, that many of these houses inspire—this despite of the warnings from those custodians of architectural virtue who dismiss the private house as “an inconsequential design problem” or “a mere indulgence of the privileged.” Whether such voices are signs of a time of plenty or whether many of us simply have a tin ear for prophesy remains uncertain. What is clear, however, is that custom housing continues to enjoy strong vital signs and still exerts an influence on design beyond the size of its actual market—and that is another strong rationale for this issue.

The 28 residential projects selected for our special awards are fresh and inventive. Remarkably few of the submissions showed any of the signs of timidity and compromise that sometimes creep like a deadening overlay of mistrust over other building types. These houses were fun to design and appear to be fun to live in. Perhaps the happiest sign of all is that, despite the presence of some durable talents, most of the houses were designed by architects who are new or relatively unknown to readers of these pages.—*Barclay F. Gordon*

RECORD HOUSES



Norman McGrath

1 A cool secluded pond is the focus for this house in the Green Mountains of Vermont. Access by car is possible only at a level 35 feet above the water, and so the entrance is at the top and the house is a series of terraced rooms facing the view and arranged around a central stairway that steps down inexorably from the entrance to the pond below, and just before (for the less adventurous) to an open deck and swimming pool.

The site and the shape of the house are both similar to the year-round vacation house on the shores of Lake Michigan (page 90), but

here the architect has been ardently concerned with the careful ordering of rooms inside and their relation to each other, rather than with preparing a swooping profile to be enjoyed from outside. He, in fact, points out that "the house was meant to be lived in and on, and not to be viewed from across the pond."

Exigency as well as predilection controlled some of the decisions, too, for the house is made of standard 2 by 4 framing, with standard windows, doors, skylights, and commonly available sizes of plywood and sheetrock, installed

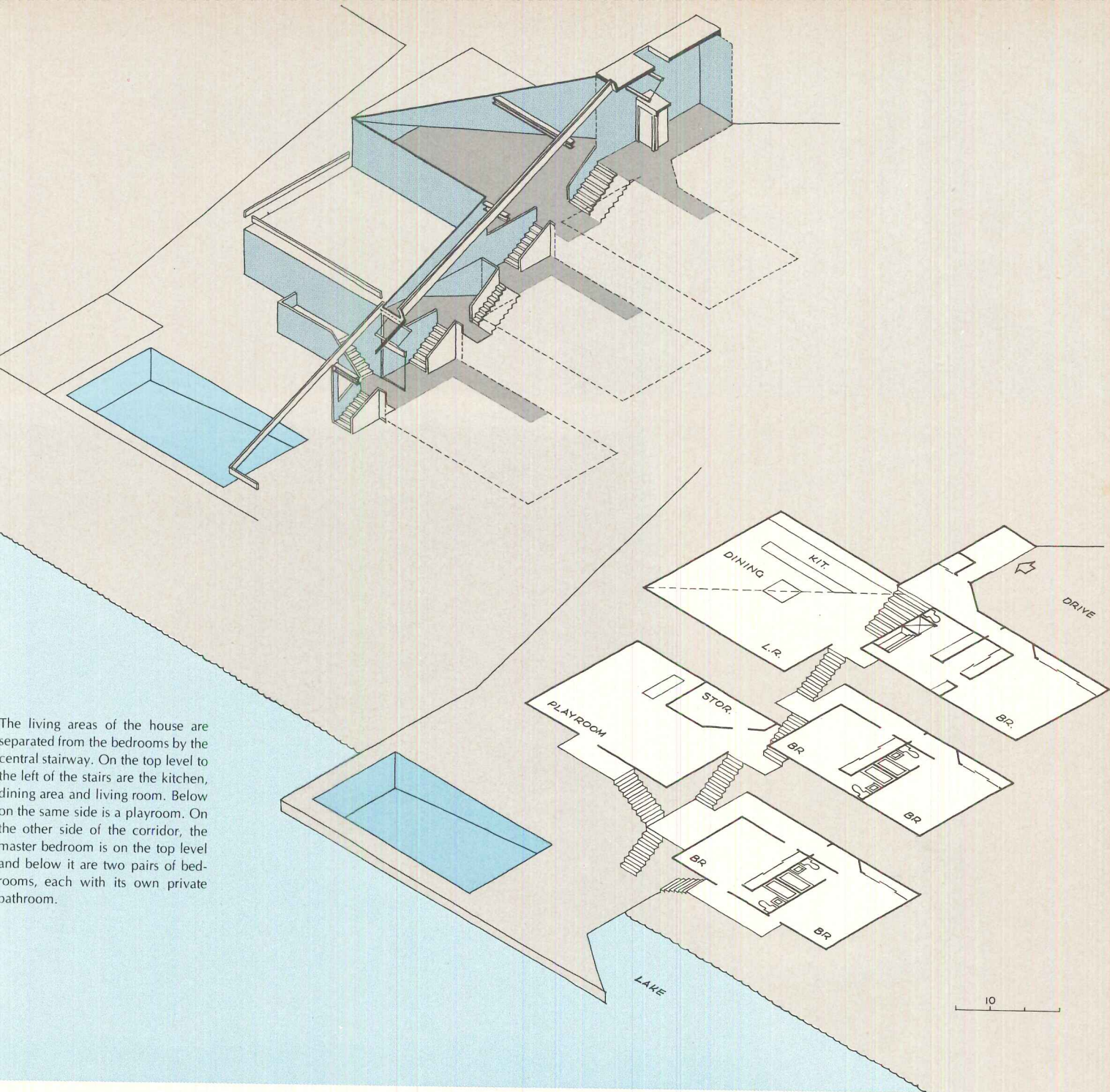
with a minimum of cutting. For all this good sense, though, the house makes a remarkable impression on the land.

The architect points out that he was trying to put standard parts together in other than standard ways. This, admittedly, is not a unique intention today, as anything that veers even a single degree from the standard can skew the construction budget out of all recognition. Here, though, the attempt has worked: the house is not standard, and certainly doesn't look standard.

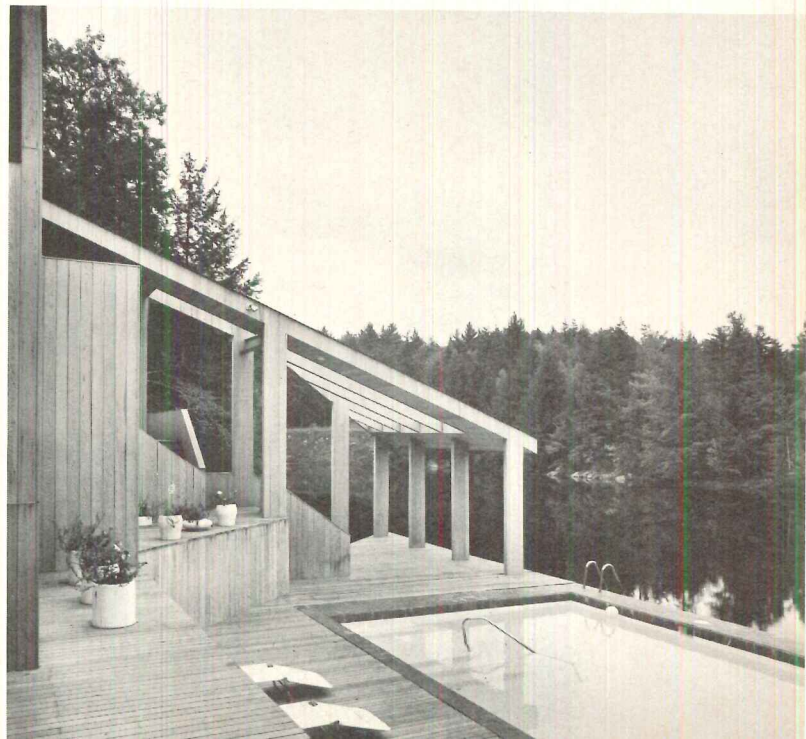
The long stairway, covered over by a 57-foot skylight, is a criti-

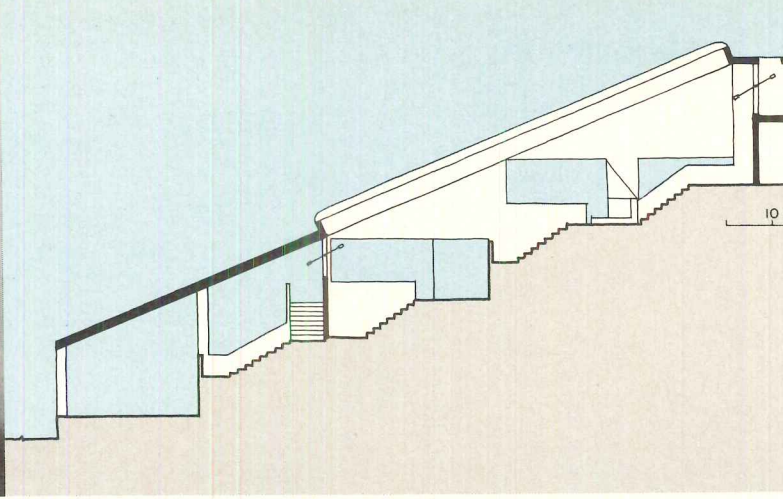
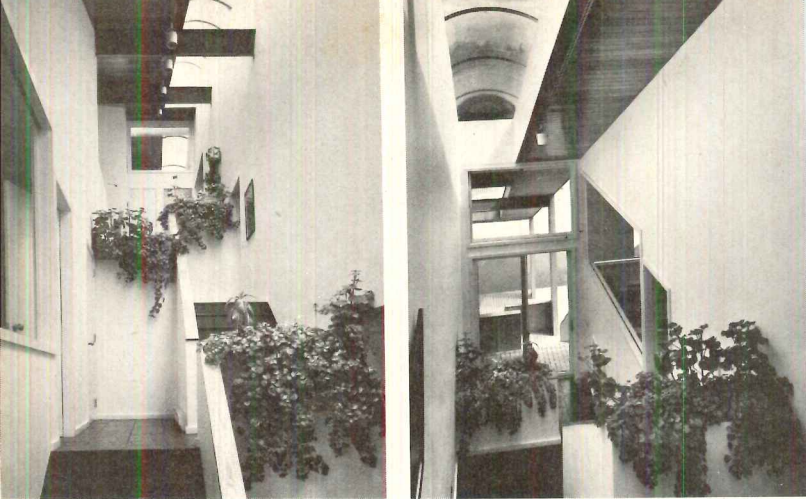
cal element among the special qualities of the house. From outside, it helps bring the separate rooms together to make a shape, and from the inside it performs a similar function. Flooded with sunlight, it allows movement up and down and across it, even provides a place—an inner garden in the center of the house—for temporary repose; or for catching a passing glimpse of the sky above the water below.

Architect: PETER L. GLAVIN
Owners: Mr. and Mrs. B. E. STAVER
Location: Westminister, Vermont.



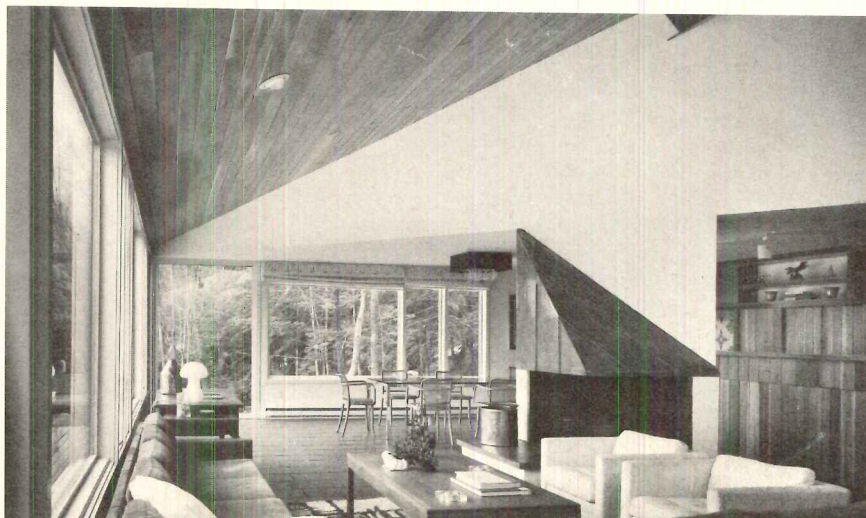
The living areas of the house are separated from the bedrooms by the central stairway. On the top level to the left of the stairs are the kitchen, dining area and living room. Below on the same side is a playroom. On the other side of the corridor, the master bedroom is on the top level and below it are two pairs of bedrooms, each with its own private bathroom.

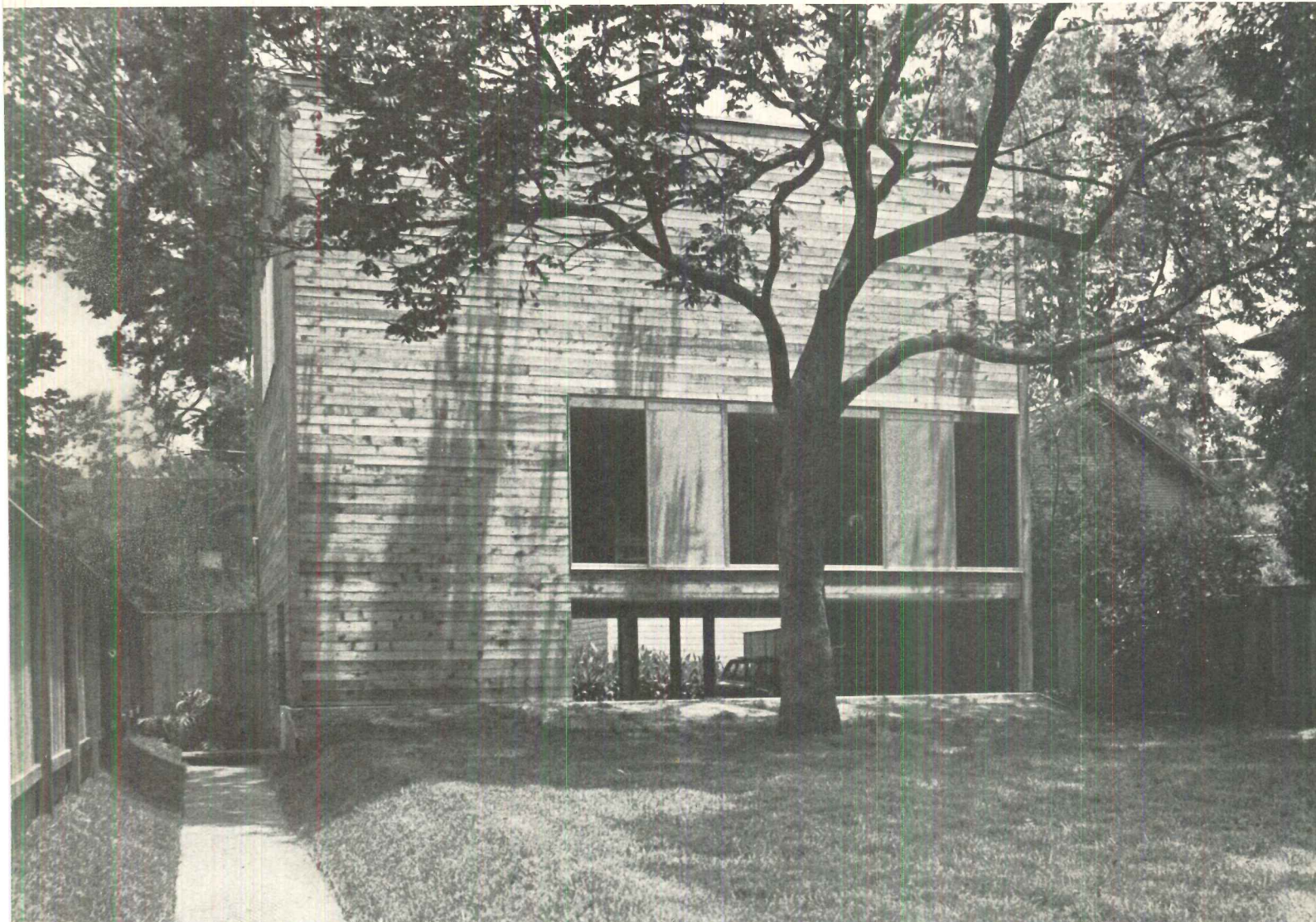
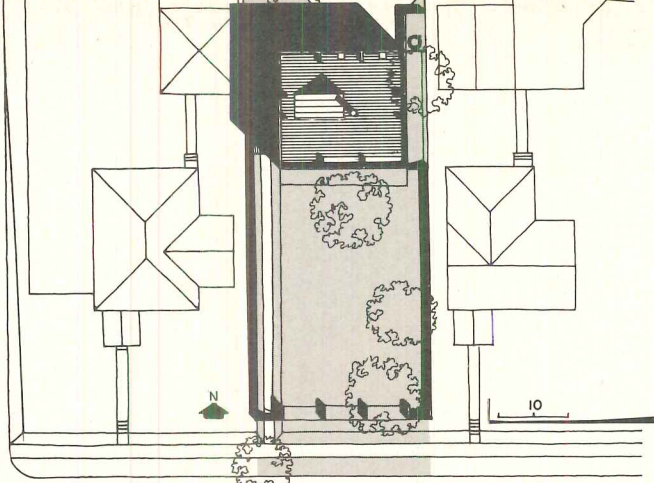






Near the entrance at the top of the house, the stairway opens directly into the living room (left), which is also seen on the right and above. The long skylight above the stairs allows solar heat generated in this space to rise to the top and exit through a large pivot window, creating a chimney effect. Outside air is drawn into the house from below, resulting in a natural air-conditioning system.





Jonathan

2 In designing a house for his own family of four, in a Houston subdivision, architect William Cannady began with two important design decisions. First, he set the house at the rear of the lot creating in this way one large outdoor area instead of two smaller areas and avoiding the standard shoulder-to-shoulder relationship with neighbors. Second, he placed the house over the garage and developed an inviting roof terrace that provided a second usable outdoor space—this one to be used primarily by parents for cocktails and cookouts. The six-

foot side yard restrictions and the pattern of existing trees combined to determine the precise siting as well as the 33- by 37-foot outside dimensions.

Kitchen, study, dining and living room, share the second floor and flow easily around a sharply defined central core. The level above is compartmentalized into parents' and children's bedrooms and baths. The floor of the master bedroom is cut back to create a narrow vertical connection with the living room below (section and photo, opposite page).

The structure is standard wood frame, clad inside and out with 1- by 6-inch rough sawn cedar siding. Painted sheetrock is used selectively on ceilings and third floor partitions. The floor of the living room level is finished in clay tile imported from Mexico and the roof terrace is 1- by 4-inch redwood decking constructed in pallets.

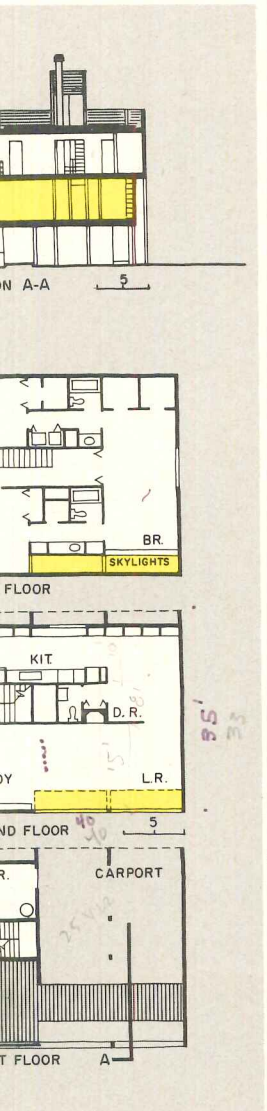
The budget for this simply constructed but appealing house was \$48,000, or just under \$15 per square foot. According to Cannady, this very low cost was achieved for several reasons. The quantity and

cost of finish materials was not excessive. But beyond that, almost unusual detailing conditions were allowed to creep into the drawing and the contractor understood, was sympathetic to, the architect/owners' rather straightforward design intention from the outset.

Architect and owner: WILLIAM CANNADY. *Location:* Houston, Texas. *Engineers:* Krahl & G. (structural). *Landscape architect:* Carlisle Becker. *Contractor:* De Fabricators, Gene Hop partner-in-charge.



The creation of a rooftop terrace brought the useable outdoor coverage to virtually 100 per cent of the site—an objective that seems especially sensible for a small lot in a warm climate. Projecting vents are carefully located to intrude as little as possible (photo left). A solid parapet and surrounding trees help to preserve a pleasant sense of privacy when the roof deck is in use.



Photos by Richard Payne except as noted



Edward Jacoby

3 Two rows of hooded, quarter round light scoops immediately give this Massachusetts house by Earl R. Flansburgh and Associates a distinctive visual character. These curvilinear forms, rising in the plane of the fascia, open in two directions and funnel daylight deep into the interiors of the living room, dining room, rear entry, master bedroom and bath. The remainder of the geometry is right angled and rectilinear except in the entrance hall (see plan) where several semi-circular elements quietly echo the roof forms.

The house, for a family of four, is a simple-span wood structure built on two levels split at the entry, and zoned for easy family living. Major wall openings are largely

restricted to the east-west axis and provide generous views across the richly wooded site. North-south walls are treated as wood planes undisturbed by openings—a design decision that produces a simple visual clarity.

The house is sited comfortably on a gentle knoll and cantilevered decks, extending beyond the line of the house in three directions, amplify the sense of ground swell.

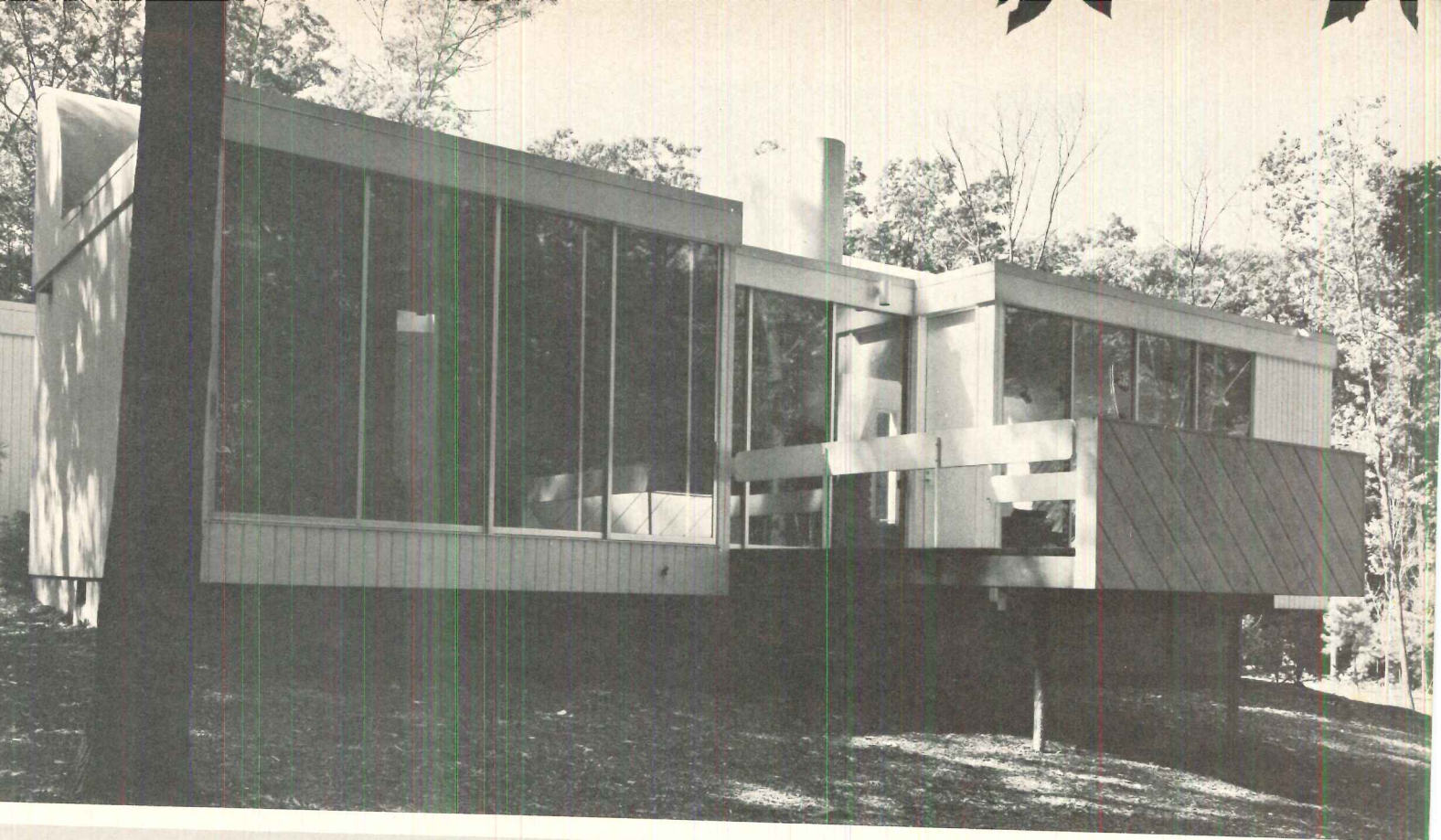
The handsome interiors are carefully organized into clearly defined spaces but a suggestion of spatial flow is retained around door openings and partition returns.

New furnishings throughout the house were selected by architect and client. The architect, for the first time in his experience, was

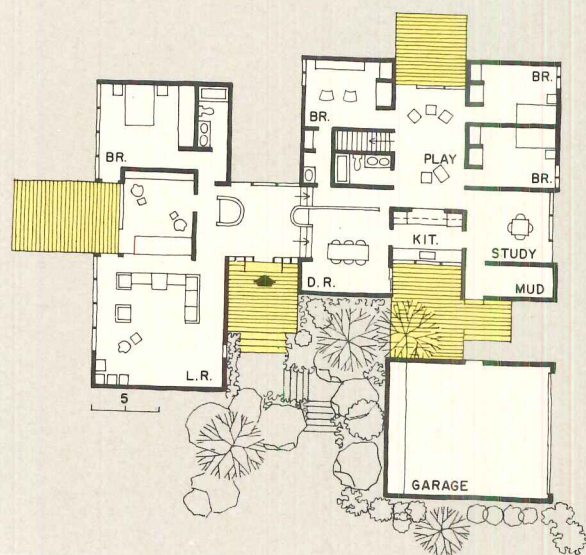
commissioned to design a large, multi-colored wool rug for the living room. Color, texture and lighting are used thoughtfully throughout for richness and variety. Finishes are rough sawn wood siding on exterior walls, drywall for interior partitions, white oak for flooring and sand finish plaster for ceilings. Handsome, brown clay tiles, imported from Italy, are used to finish the floor of the dining area (photo overleaf).

Architects: EARL R. FLANSBURGH AND ASSOCIATES, INC.—Jane Weinzapf, design; John Crowe, landscape. *Owners:* Mr. and Mrs. Norman A. Bikales. *Location:* Lincoln, Massachusetts. *Engineers:* Souza & True (structural). *Contractors:* Costa Limberakis.





Edward Jacoby photos



The Bikales house is planned in two clusters that are linked by a small entrance vestibule. The third element, a garage, stands free of the house and encloses an intimate deck just off the kitchen.

Bedrooms for the younger members of the family open into a common playroom which can be supervised from the kitchen. A family room, also off the kitchen, offers an informal alternative to the main living room.

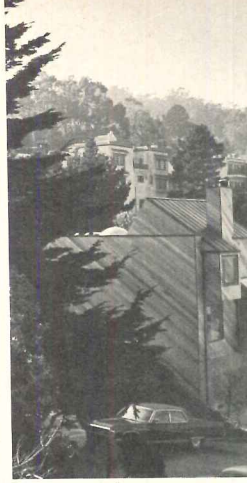




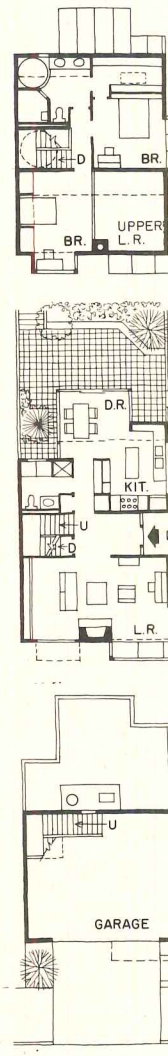
Living room (above) is just off the main entry. Parent's study (left) is located between the living room and master bedroom. Dining room (right) is part of the spatial flow leading toward kitchen, playroom and youngsters' bedrooms. Recessed lighting and spotlights augment the daylight that streams into the dining area from the light scoop above.







Remo Pratini photos except as noted



Edmund Burger

4 Patricia Coplans' hillside house in San Francisco rises in a conspiracy of angled planes and projections to overlook Golden Gate Park and the Pacific Ocean. The projecting bay windows are part of a local residential tradition but the sloping window walls (photos right) are a direct response to particular site conditions and the architect-owner's desire to capture as much sunlight as possible on this steeply contoured north slope.

The plan is compact and simply ordered in spite of the visual complications created by the pro-

jections. The living room occupies the north end of the house over the garage and is overlooked, in turn, by a gallery level guest bedroom. Master bedroom and bath occupy the second floor over the kitchen. The sloping glass roof of the dining area frames a view up the slope of tall stands of eucalyptus. A central entry hall, also skylighted, is reached from the garage below or by a winding outdoor stair on the west side of the house.

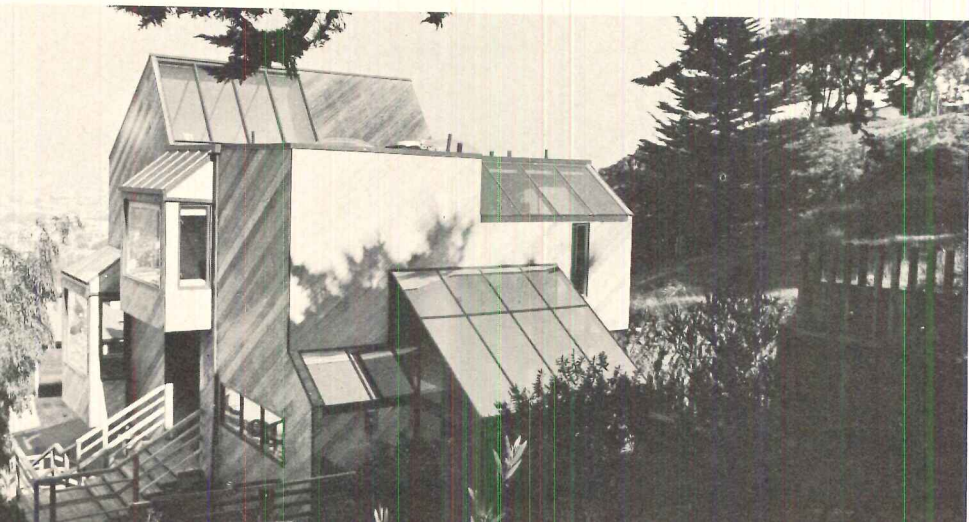
Finish materials are sympathetically selected and detailed with skill. Exterior walls are West-

ern Cedar nailed up in diagonals that echo the slope of the site in two directions. Interior partitions are gypsum board over wood studs; flooring is teak parquet for the living room and clay tile for dining room and kitchen. Rich accents, like the marble fireplace surround, are used sparingly. A dark red baked enamel finish, used on all gutters, downspouts, window sash corner details and roof, contrasts warmly with the cedar siding, and gives the house a crisp, firm-edged angularity. This linear emphasis is restated inside in the window and door trim as in

the unusually crisp and elegant light details.

The Coplans house is inventive with a stimulating spatial character—a character that is personal, not aberrant, a character that does not dissolve with the second or third look.

Architect and owner: PATRICIA COPLANS of Burger and Coplans. Location: San Francisco, California. Engineers: Geoffrey [unclear] (structural); James Peterson [unclear] (mechanical). General contractor: Patricia Coplans.



The furnishings in the Coplans' house are a mixture of built-ins and modern classics in chrome, cane and leather. The relative formality of many of these pieces is surprising but no problems of compatibility seem to arise.

Large skylights in many spaces flood the house with light but glazing is tinted for protection against the sun's direct rays.

Edmund Burger



Maris/Semel photos

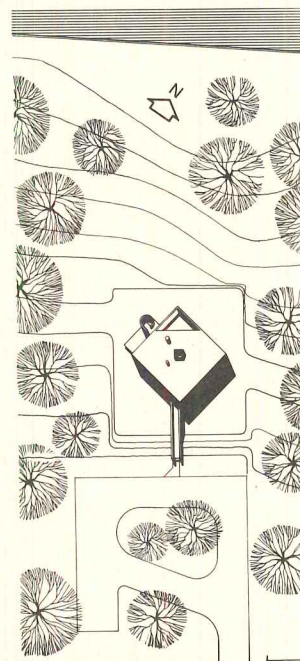
5 Within the simplest of shapes—a 30- by 30- by 27-ft cube—Julian and Barbara Neski have created a house that offers constantly varying experiences of space, of indoor and outdoor living, and of view.

The architects explain the complexity within simplicity this way: "The house was designed as a weekend retreat for a young couple and their three children. The site is wooded, and on the edge of an inlet which opens to the bay and the ocean.

"It was decided to develop a design which would enable one to experience the trees, water, and sky from constantly shifting planes of reference and cross reference; in effect, to establish a continuous vertical movement through 11 levels [see plan], culminating in a final [and most dramatic of all] view of the sea from the roof deck."

The plan, a 30-foot-square angled on the site, is divided into four squares which coil up and down about the central stairwell spine. The exterior expresses the shifting levels of space with windows and porch openings of varied—but artfully proportioned—width and height. Further—and such "complexities" work well against the essentially simple mass of the house—the attached elements of entry bridge and stair cylinder contrast pleasantly and balance with elements that are incised into the smooth surface of the cube.

Architects: BARBARA and JULIAN NESKI—associate: Ronald Bechtol. *Owners:* Mr. and Mrs. Peter Simon. *Location:* Remsenburg, Long Island, New York. *Interior designers:* Neski Associates. *Structural engineer:* Stanley Gleit. *Contractor:* Vern & Ben Warner.

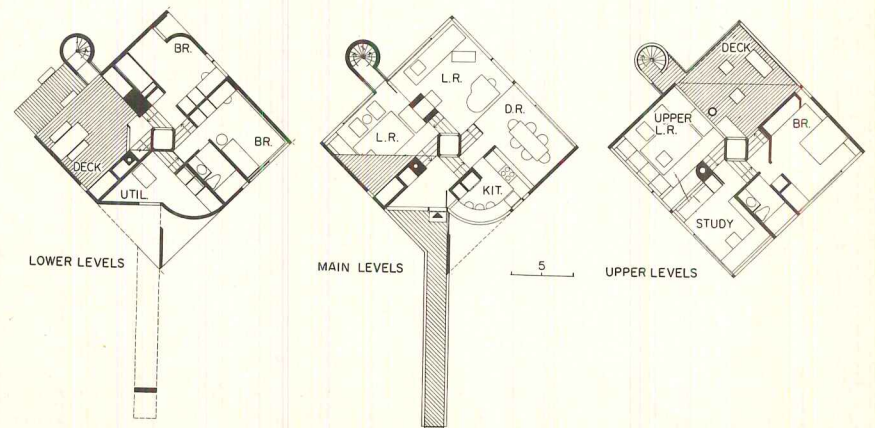




Entry bridge leads to one of the many spaces incised from the cube shape. This porch leads to the entry hall and kitchen, and from there the main circulation space moves in four-step jumps up to the living spaces, including a two-story high living room (photos next pages), and—still higher—a study, master bedroom,

and roof deck. A second stair in the entry leads down to two more bedrooms and a bath. There are 11 levels in all. A circular stair tower short-circuits the roof deck-living room-lower deck levels.

The house is finished with 1 by 4 fir, with flush joints; sealed and bleached.



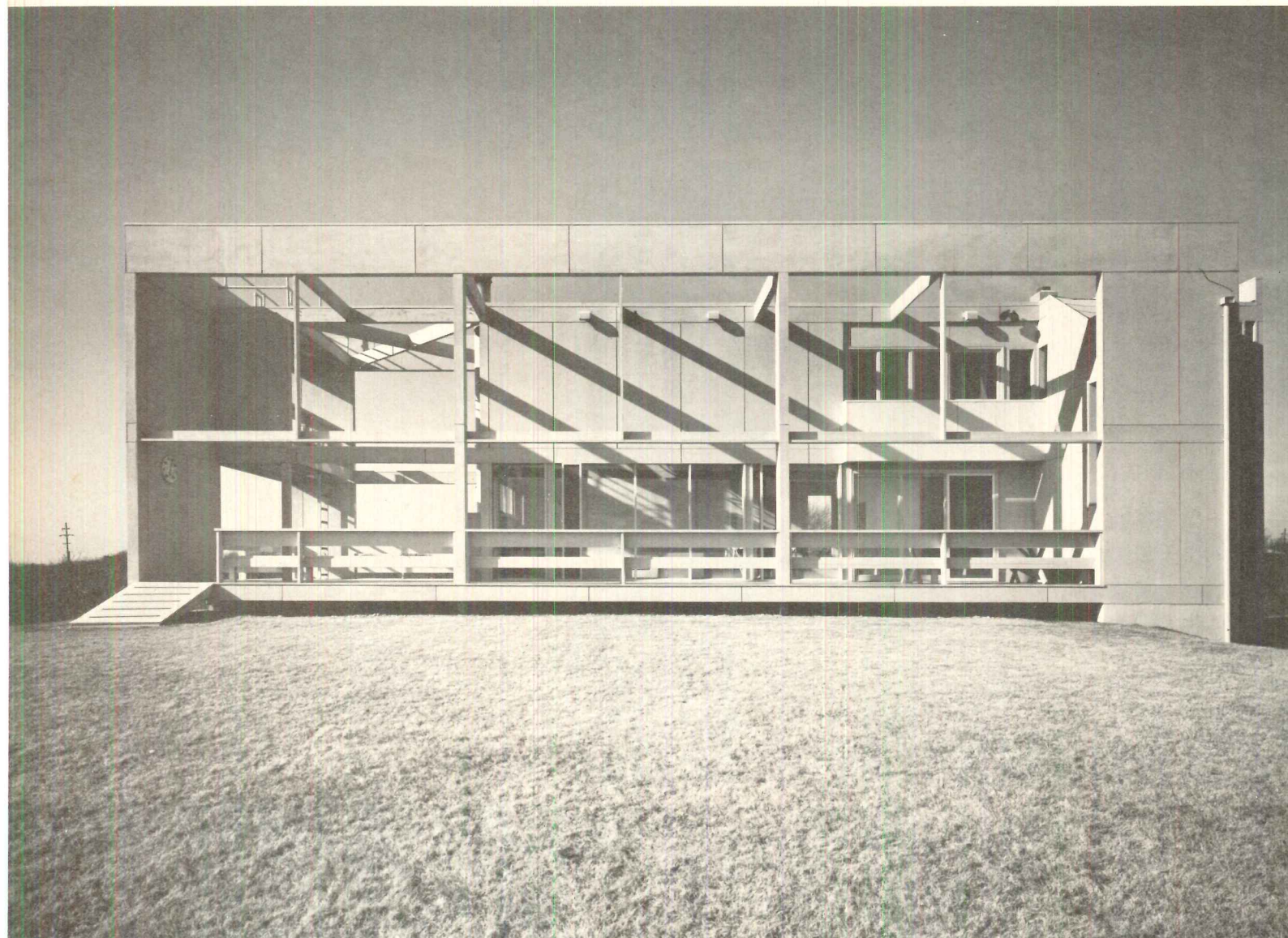
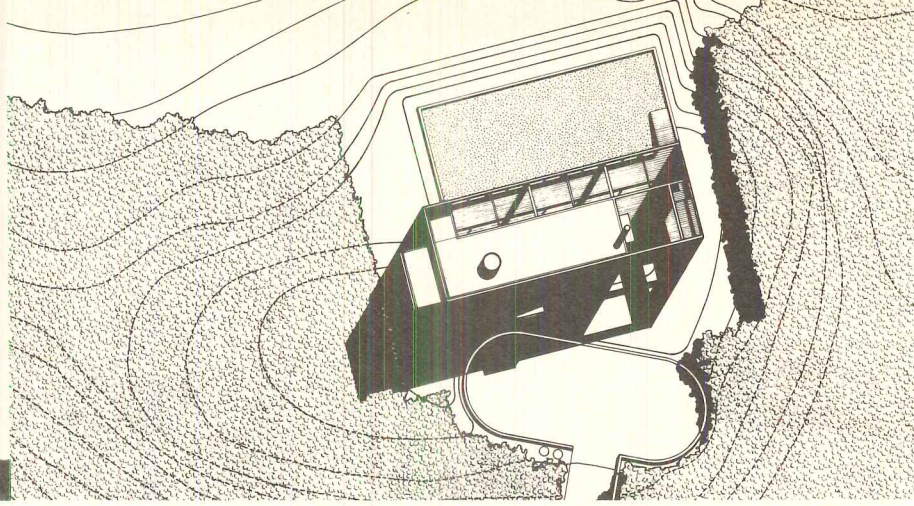
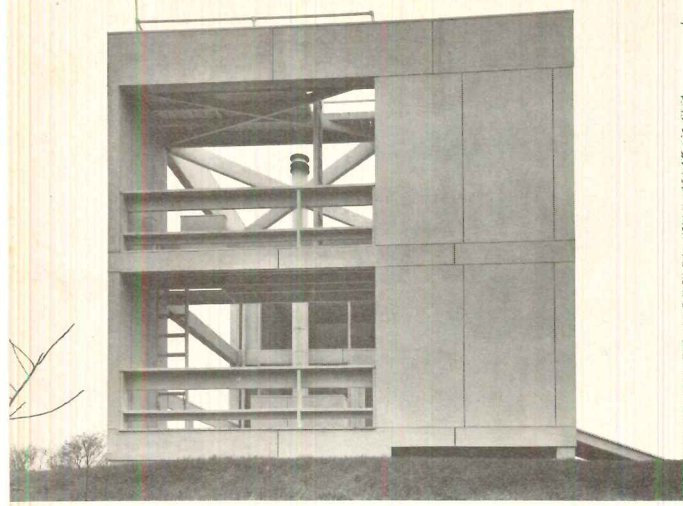




The interiors—with their constantly changing levels and unexpected openings to the outside and the various decks—offer constantly changing views and spatial experiences. Opposite page: the main living space with, at top, an opening to the roof deck and, at rear, a more intimate music and seating area. The kitchen (above), with its curved dining bar is on level with the dining room; it in turn opens to the music area (left). Below: two other views of the living room.

Inside finishes are drywall for walls and ceiling, oak strip flooring.





6 This vacation house in eastern Long Island stands on a high point of ground surrounded by dense shrubbery and overlooking both the ocean and the town of Montauk. Both the owners, Mr. and Mrs. Peter Lowenstein, and the architects Chimaçoff/Peterson, share a preference for simple geometric forms and neither wished to thrust aggressive shapes into this gentle landscape. The resulting design, therefore, is a simple prismatic volume of 900 square feet enclosed in a framework created by extending the exterior columns and joists to points of intersection. The larger

envelope embraces a deck, gives the whole composition an exciting transparency, and prints the solid walls with a changing abstract of cast shadows.

The south elevation (above) faces the ocean and will be fitted with adjustable canvas blinds to control the sun and glare. Just off the deck is a small grass plateau, formed by fill from the excavations, where badminton and volleyball are regularly played as part of the summer routine. At the open west end of the house (photo top), a series of observation and sunbathing platforms can be reached by

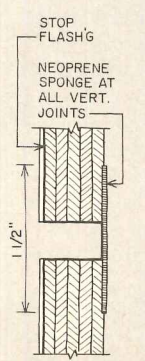
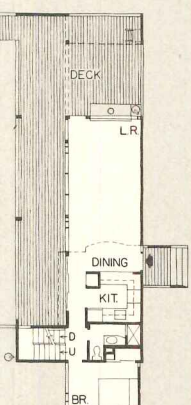
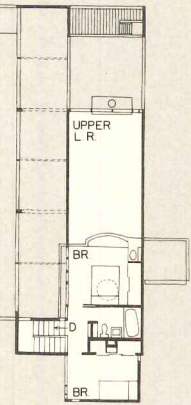
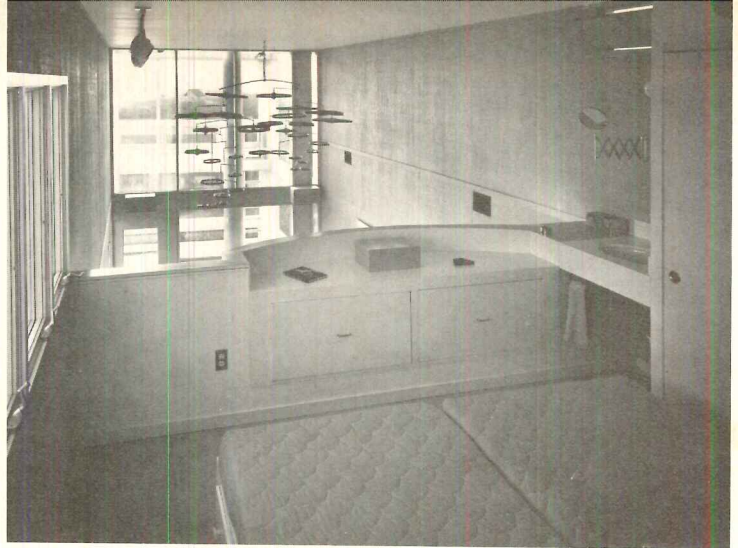
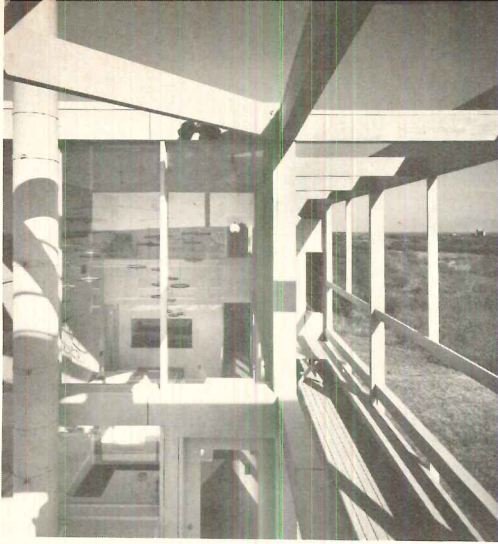
retractable ladders. Living, dining and kitchen areas share the deck level with a small guest room. A bath and two bedrooms—one overlooking the living area—occupy the upper level.

Standard materials and construction techniques have been used throughout. Exterior wall surfaces are painted plywood used, when possible, in full 4-by-8-foot sheets and put in place without battens but spaced apart by strips of flashing that give the narrow reveals a visual emphasis (see detail opposite page). Construction costs for this house were just under \$40,000.

What is most appealing of the Lowenstein house is the clarity of interest and spatial liveliness it generates within a carefully considered and economic building system. Also noteworthy is the rapport the architects have established between house and site, a rapport that results from a conscious effort to place two different elements in an amicable contrast.

Architects: CHIMACOFF/PETERSON. *Owner:* Mr. and Mrs. Peter Lowenstein. *Location:* Montauk, Long Island, New York. *Structural consultant:* Donald P. Green. *Contractor:* David Webb.

Norman





Norman McGrath p

7 There is a strength and majesty to the granite seawall of Maine that makes it impossible for any work of man to dominate—or indeed try to compete. Wisely, architect Robert Burley has chosen to site this house so that a high lip of rock at the top of the promontory shields the house and acts as a “railing,” and so that a few trees soften the stark and beautiful views. Because of its siting, its shape, and its white cedar finish, the house is hardly visible from offshore.

While at first glance this house appears simple and subdued, it is

full of visual surprises—changes of scale and heights, unexpected views, and a thoroughly pleasant plan that must be a joy to live with.

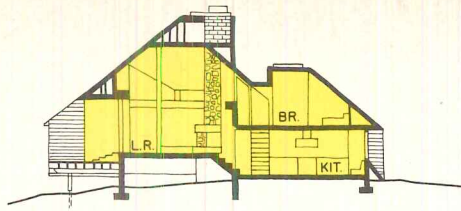
In concept, the house is a fragmented pyramid (see roof plan, near right) pulled apart into four cedar-shingled blocks with tall, glass-walled galleries separating each one. The pitched roofs and fragmented character bear a strong relationship, again, to the site; and the cedar shingle exterior and edge-grain fir interior give the house a quiet consistency that sets off (or is set off by) the dramatic site

and architectural forms of the house. Creating this quiet simplicity requires, of course, great care and skill in detailing: note the absence of fascias at the eaves, and the walls “beveled” back to the windows without apparent thickness at the corners. On the inland side, the house is approached through heavy spruce forest and the impact of the views is not felt until one has moved well into the house.

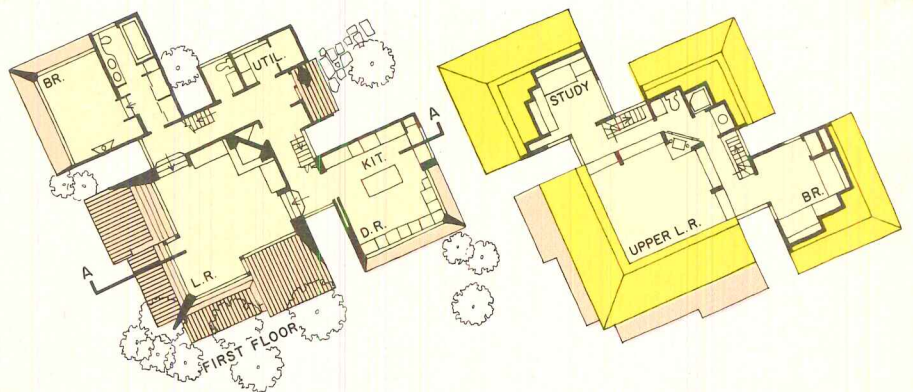
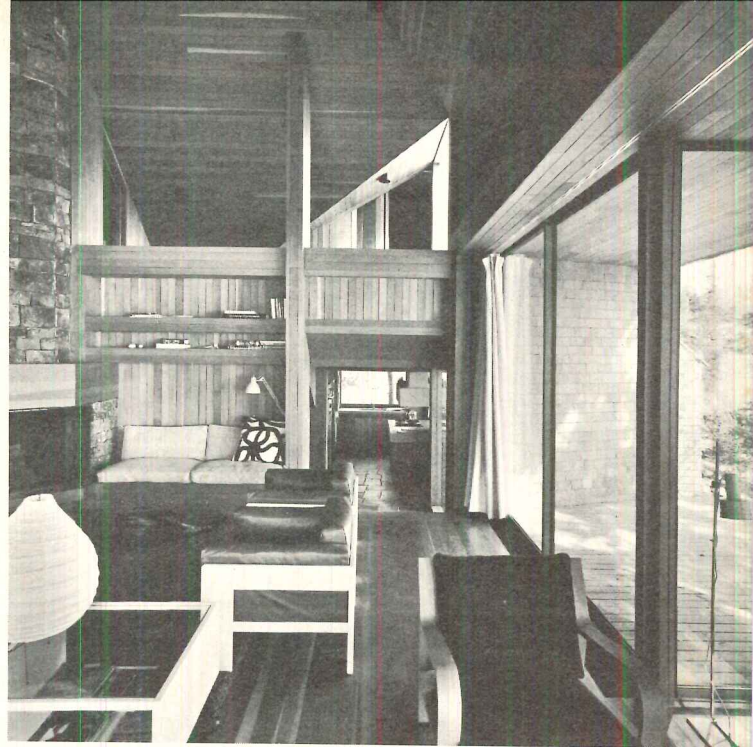
The living spaces are thoughtfully disposed into the segments of the house. From the entry (top right in plan), two broad halls or galler-

ies—both glass walled at their ends and thus offering dramatic glimpses to the forest and sea—lead to the master-bedroom suite or to the kitchen-dining pavilion. The high-ceilinged living room is entered through four broad steps, from either side of a central gallery. Stairs in both hall wings lead to an upstairs gallery, serving a study (above the master bedroom) and a second bedroom (tucked under the roof of the kitchen-dining pavilion).

Architects: ROBERT BURLEY & ASSOCIATES. *Location:* the Maine coast. *Contractor:* E. L. Shea, Inc.



In section, the living room pavilion is raised above the main floor level to accommodate an immovable piece of the Maine shoreline which cropped up at that spot, and to give the large glass walls of the living room a clearer view to the sea. All photos show a skill in craftsmanship that is rare today—and both architect and owner are high in their praise for builder Phil Shea. Inside, all floors, ceilings, and walls are edge-grain fir panelling except for black Maine slate on the gallery level and in the kitchen. Shingles are white cedar; windows, and sliding doors are framed in bronze-finish aluminum. Roofs were truncated at the top to simplify framing, and these flat sections are metal-capped. Square footage of the house: 2,020.





Robert Lautman photo

8 Hugh Jacobsen's clients for this handsomely articulated house in northwestern Connecticut were the Ralph Schwaikerts—a family with three teenage sons who share a love of outdoor activities and a common concern for the environment. The site selected is thickly wooded, rolling land at the edge of an 80-acre, man-made lake. Trees and dense shrubbery give the house a pleasant sense of softly curtained seclusion.

The Schwaikert house is large (nearly 5000 square feet) and strung out in gently offset segments butted together at transverse walls (photo above). This massing device, characteristic of a number of Jacobsen's recent houses, helps resolve the problems of scale and legibility. Unlike the Willard Worth house

(RECORD HOUSES OF 1972, pages 66-67), to which it bears at least a casual family resemblance, segmental massing brings the scale of the house down without calling particular attention to its component parts.

Steeply pitched roofs and high clerestories are the result of a conscious effort by the architect to capture natural light and reflect it deep into the interiors. The remainder of the fenestration is window wall except at the kitchen and master bedroom (photo, page 57, top right) where windows are treated as small, shed roofed projections that offer restricted views.

The relative formality of the furnishings was a requirement of the program and reflects the amount and type of entertaining the

owners anticipate they will have.

In the Schwaikert house, as in Jacobsen's other residences, compatibility of shapes and elegance of detail are carefully studied. Almost nowhere do ambiguous relationships becloud the design intention. Almost never is a detail clumsy or inconsistent. But this near-absolute attention to detail has not come at the expense of more fundamental design obligations. The Schwaikert residence is nicely conceived, firmly sited and well built.

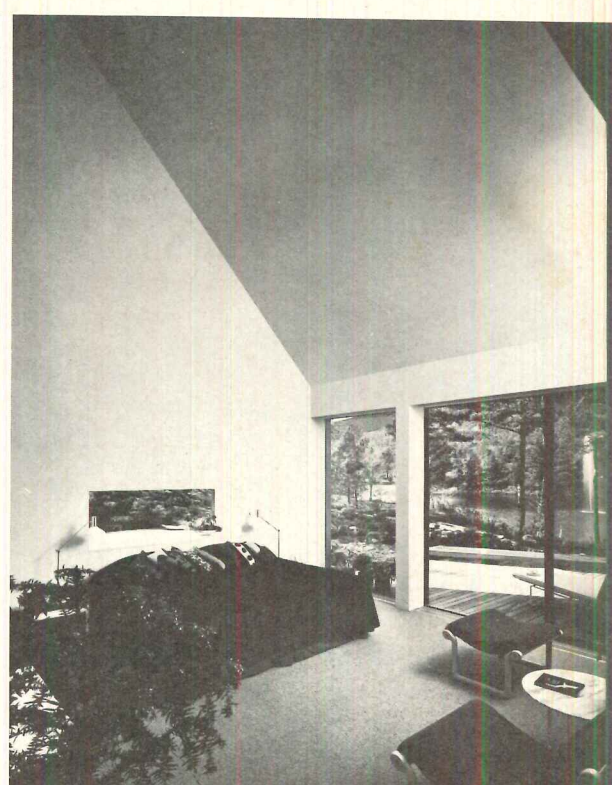
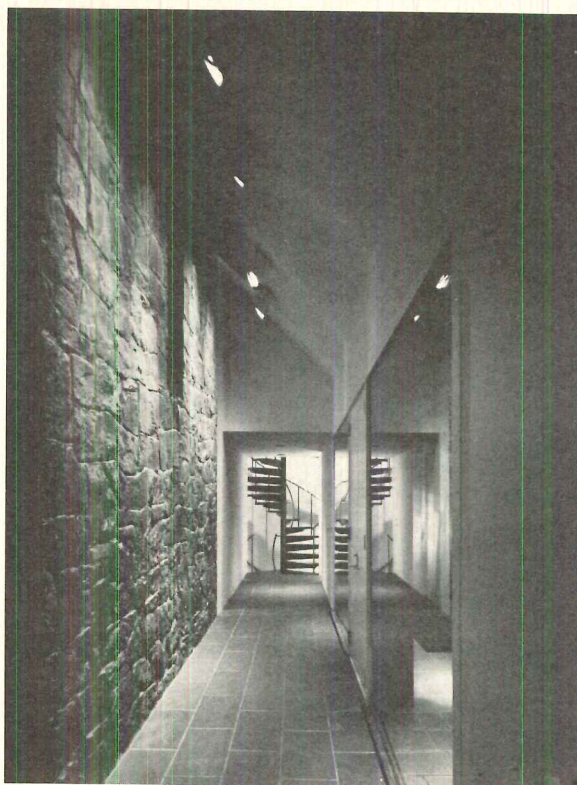
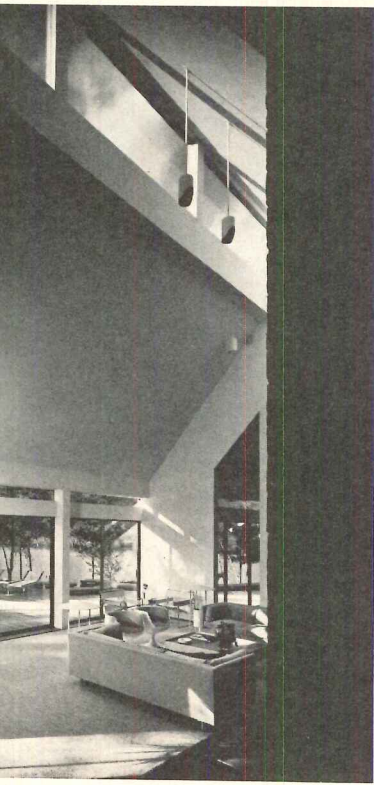
Architect and interior designer: HUGH NEWELL JACOBSEN. Owner: Mr. and Mrs. Ralph Schwaikert. Location: Salisbury, Connecticut. Engineers: Fortune, Downey & Elliott (structural). Contractor: Gilligan Brothers.

Tall conifers and birches dominate this lakeside site. The height of the trees permitted Jacobsen to design what is, after all, a tall volume house without risk of overscaling. The clerestories flood the house with light and even on gray days the interior spaces have plenty of daylight.





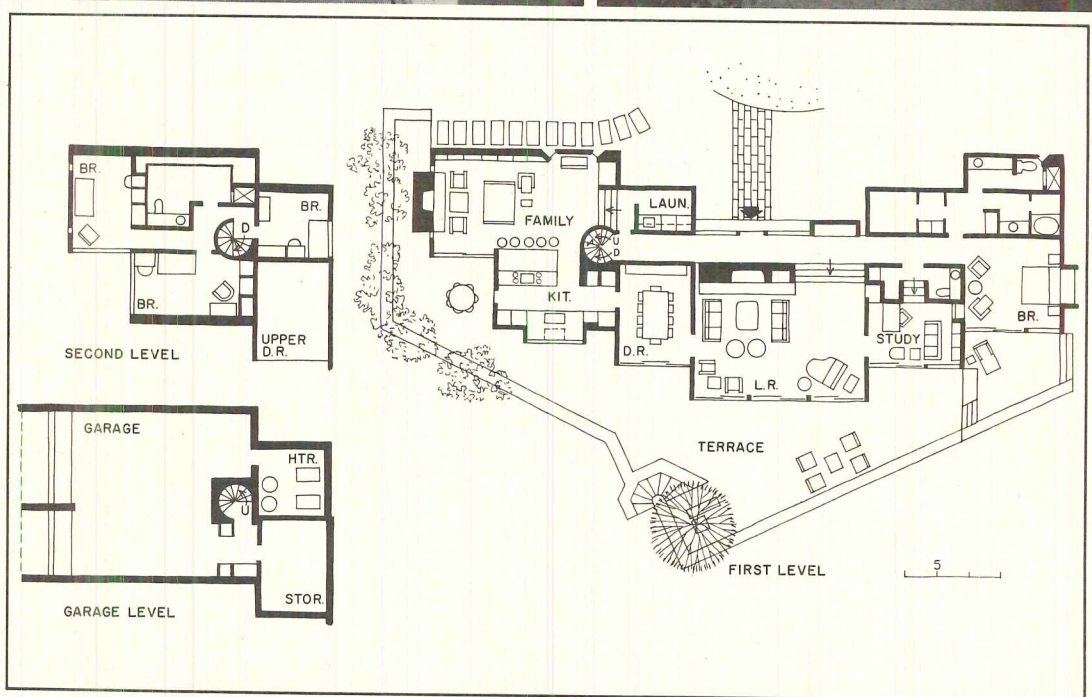


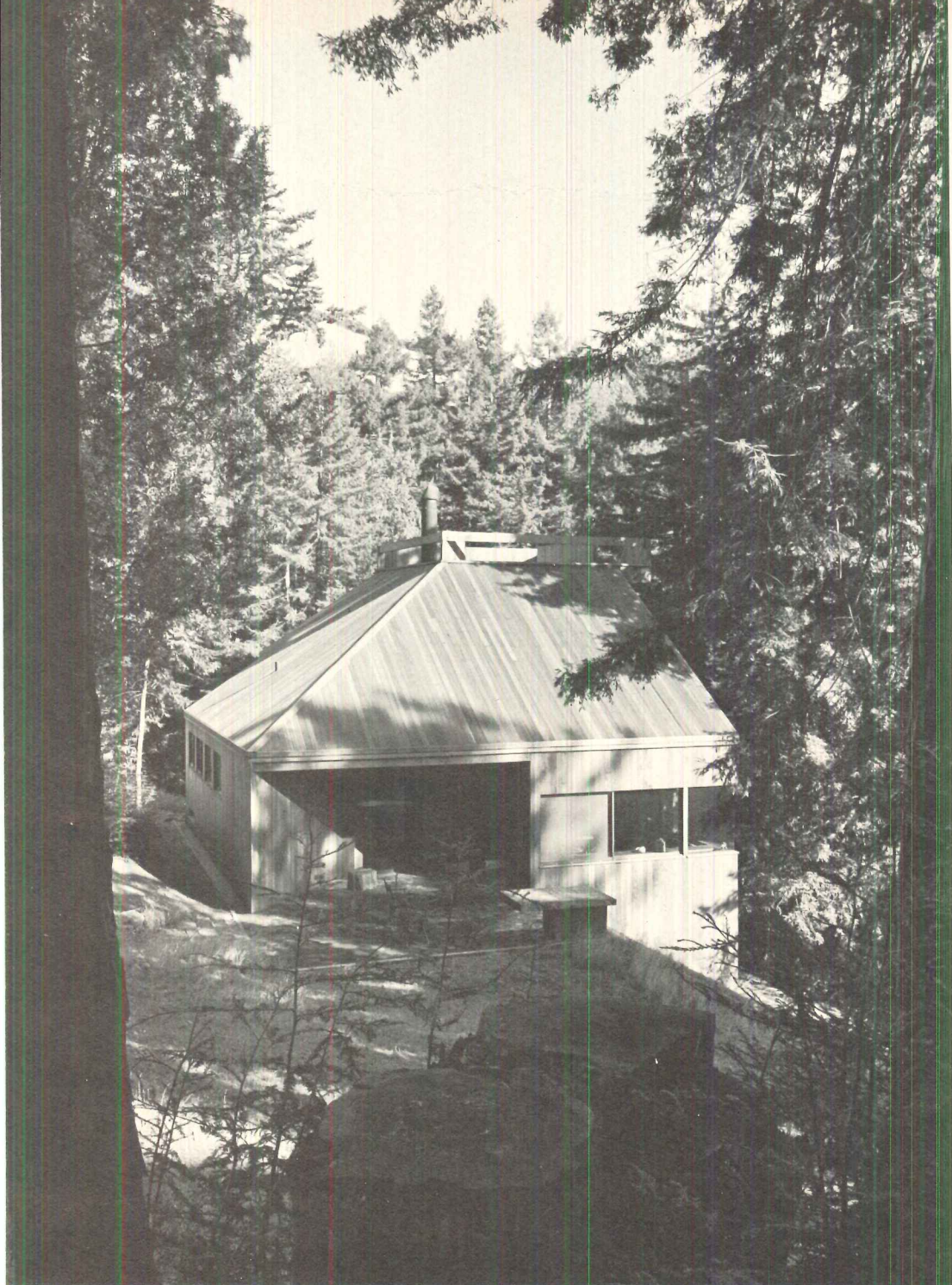


The principal materials used for construction and finishes are red cypress for exterior walls, gypsum board for interior partitions, cedar shingle for roofs, stained oak and quarry tile for floors and local stone for the massive fireplace wall. Heating and cooling is by means of an electrically-operated forced air system that employs floor registers at perimeter glass walls.

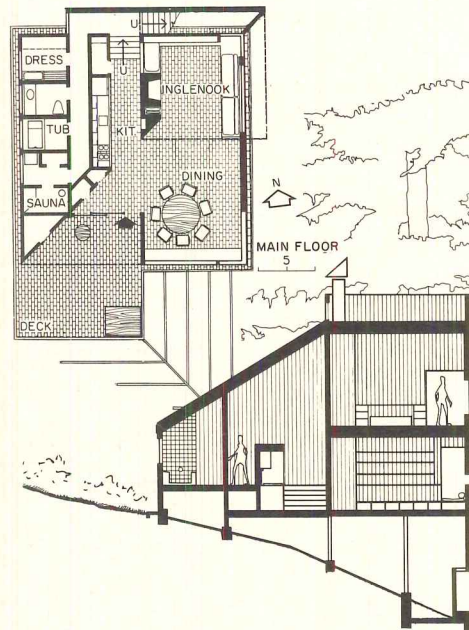
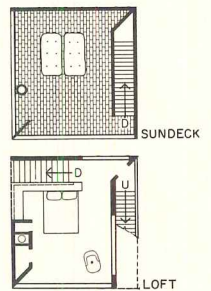
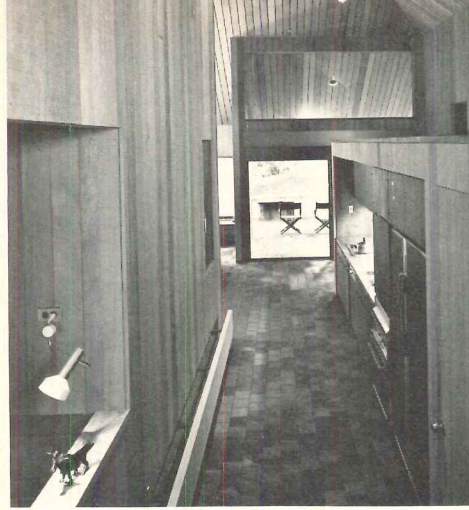
The plan of the Schwaikert house uses circulation space economically. A narrow front hall terminates visually in a circular stair leading to the boys' bedrooms (photo above). The entrance to the master bedroom is at the opposite end of the entry hall. It is buffered from the living room by a small library down four steps from corridor level. Secondary circulation is room to room.

All ground floor spaces open through sliding glass doors to an inviting terrace, finished in wood decking, that overlooks the lake.





Jeremiah O. Bragstad photos



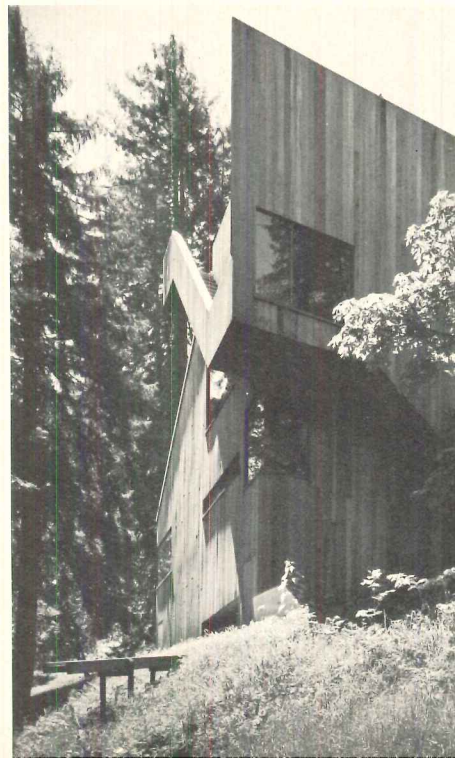
9 An indigenous material and a modest form have been combined to produce an intriguing yet uncomplicated vacation house. Architects McCue Boone Tomsick make the most of a downhill approach (above) by sheathing the roof as well as the walls with tongue-and-groove redwood boards. The unifying effect of the common material makes the house seem smaller and more simple than it proves to be upon entry (acrosspage). Yet such modesty is entirely appropriate when the site is an isolated and heavily forested hillside in the Santa Cruz Mountains of California, looking out over a valley preserve toward the Pacific Ocean. The angled wall, which follows the hip of the roof at the entry, provides protected entrance where those who

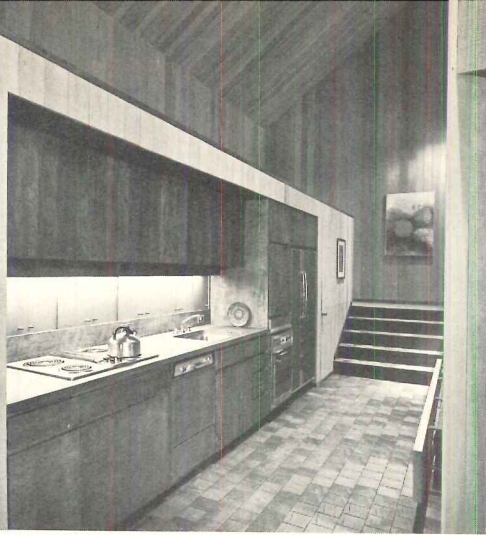
have walked down the hill from the parking area may remove muddy boots and winter coats before entering. That part of the house is oriented away from the winds but catches mid-day sun. End-grain redwood paving blocks form a parquet terrace that continues indoors as an important finish.

A very generous stairway within the single, large interior space makes vertical circulation an important generator of the functional relationships. Directly ahead, as one enters, a short flight of steps just past the kitchen leads to the level with four small rooms containing toilet facilities (including a sauna). To the right and up the stairs is the bedroom. Again to the right, and now outdoors, this squared spiral leads up to the sun-

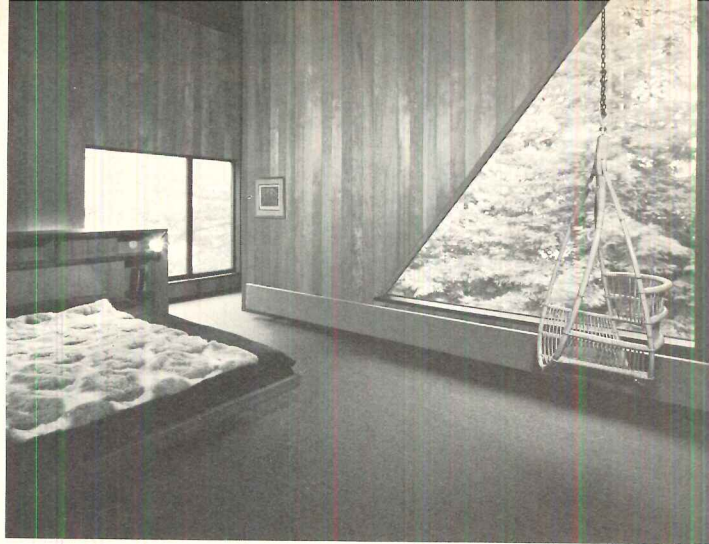
deck in the treetops. Redwood boards also sheathe the interior completely; the ceiling boards are spaced slightly apart to assist in ventilation of the roof structure. Although the large space is beautifully detailed, it is clear that it was designed for unpretentious and relaxed vacation use. Within the large space, the eating area is adjacent to the strip kitchen. Under the ceiling formed by the bedroom floor, is an inglenook sitting area around a fireplace whose seating doubles as extra sleeping accommodation.

Architects: McCUE BOONE TOMSICK. *Location:* San Mateo County, California. *Engineers:* Hirsh and Gray (structural); Marion, Cerbatos and Tomasi (mechanical/electrical). *General contractor:* Henry Knutzen Sons, Inc.





A high degree of spatial integration is achieved within the house by the use of a single material—redwood—on walls, ceilings and floors. The square spiral stairway and the loft bedroom which opens onto the large space below also contribute to the unified feeling. Butted glazing in both downhill corner windows of the main floor room provide splendid diagonal views into the thick foliage while the slit windows illuminate the page for anyone reading on the built-in couch.





Rick Gardner p

10

This gracious south Texas house for a doctor and his wife fills out its trapezoidal site and opens in an irregular "U" to broad views of Galveston Bay. Because the main orientation is toward the west, sun-screening for the window walls—particularly those facing the water—was a paramount concern. The simplest, least expensive solution proved to be operable canvas awnings of the store front variety, a design feature that gently dominates the elevations and gives the house its primary esthetic character. Other design elements are de-

liberately subordinated. But the simplicity of the elevations is in marked contrast to the complexity of the plan—a complexity that stems in part from the shape of the site, but more, perhaps, from the decision to particularize so many spaces and provide alternate circulation to most.

Because the Galveston region is smack in the path of periodic Gulf Coast hurricanes, architect Howard Barnstone followed the recommendation of the local weather bureau by setting the first floor elevation at 14 feet above mean sea

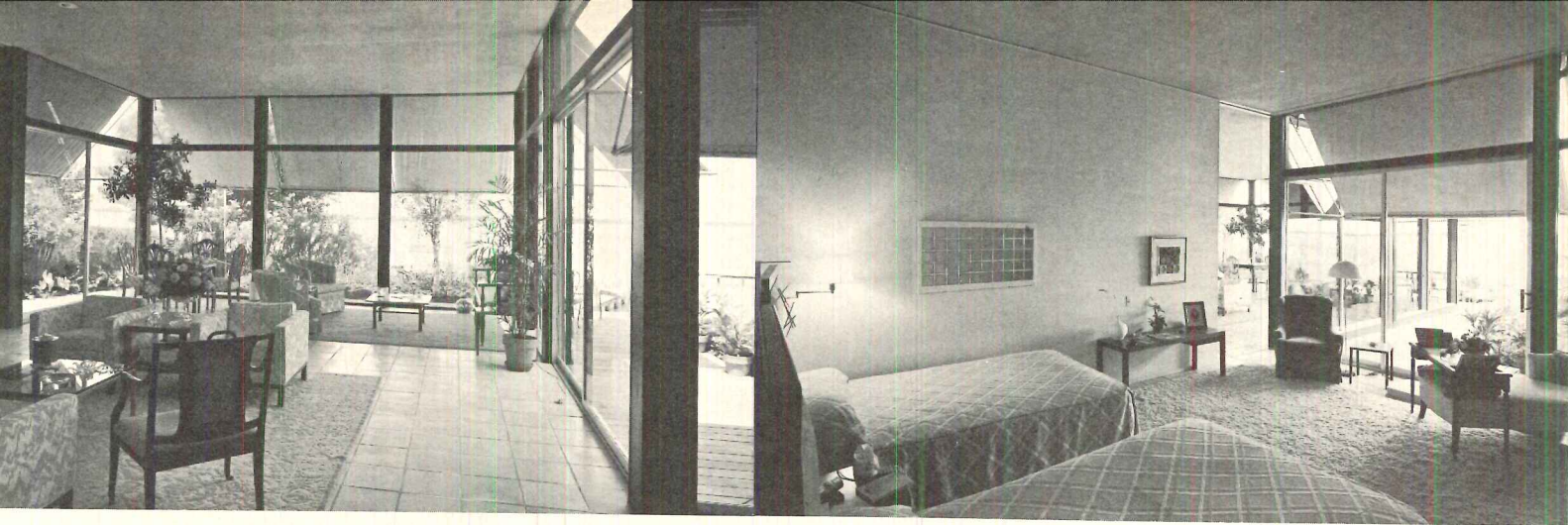
level, or several feet over natural grade. To take up this differential, Barnstone introduced stairs between the entry hall and the main living areas and he ringed the front and sides of the house with a strip terrace and a flight of redwood steps. The outdoor spaces created by this device are intimately scaled and inviting.

The interiors make generous use of available space. Furnishings are somewhat formal and detailing is straightforward and uncontrived throughout.

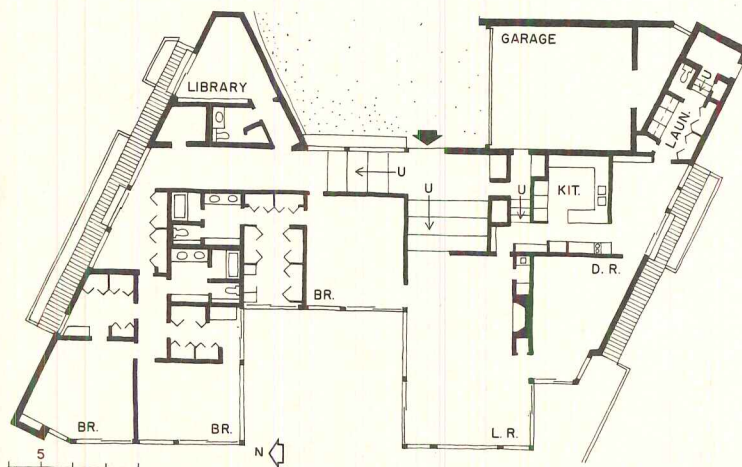
Exterior walls of the Levin resi-

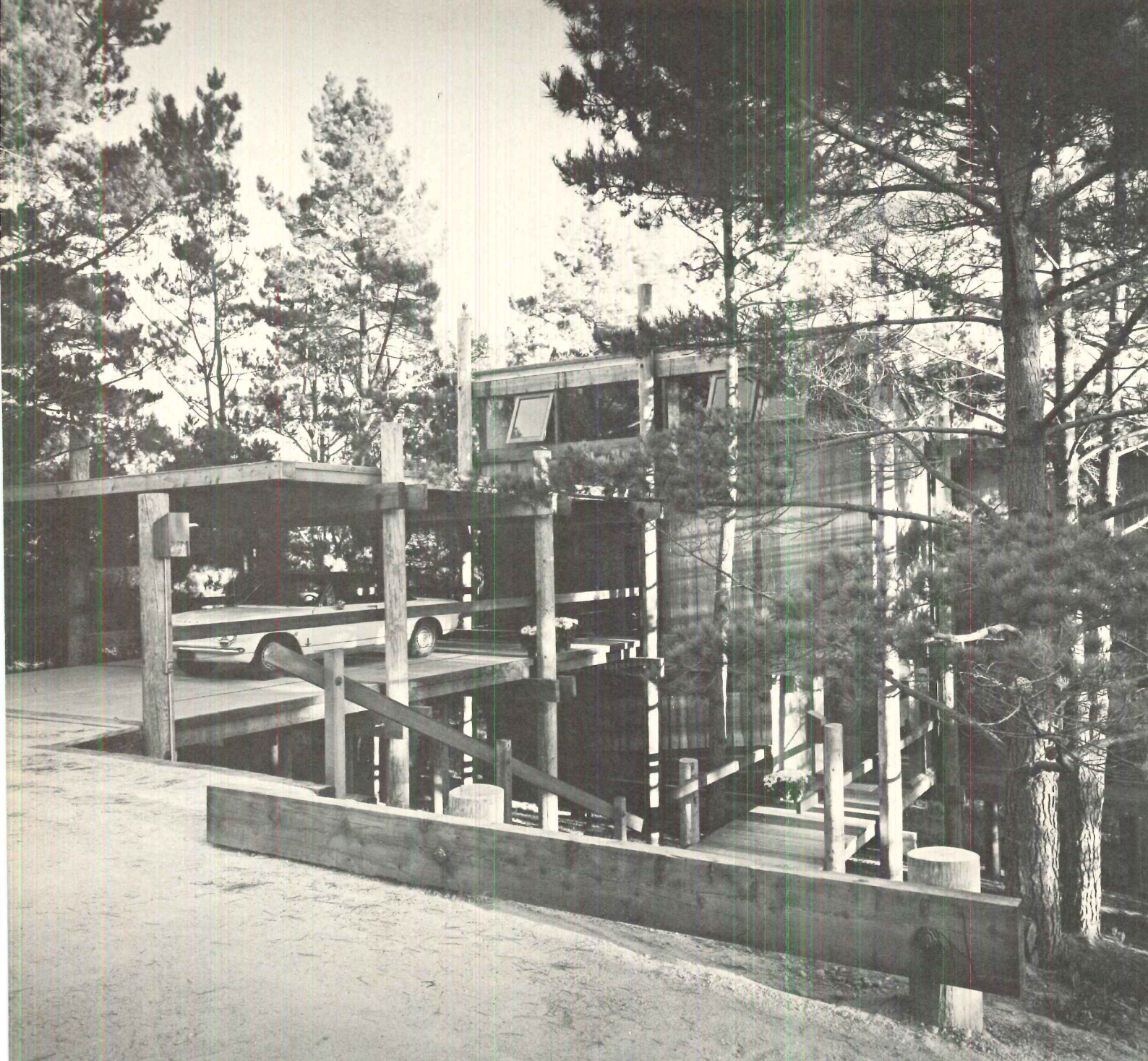
dence are tempered glass and brick. The floor slab is finished in clay tile. The partitions are gypsum board on standard wood stud and ceilings are finished with acoustical plaster. The roof is built up with tar and gravel.

Architect: HOWARD BARNSTONE, *Owners:* Dr. and Mrs. William Levin. *Location:* Galveston, Texas. *Engineers:* Cunningham & Lemus (*structural*); Ralph Spence (*mechanical*). *Interior design:* Herbert Wells. *Landscape architect:* Ralph Gunn. *Contractor:* Morton Construction Company



The plan of the Levin house contains several unexpected elements: a master bedroom directly off the living room, a substantial number of internal spaces and secondary circulation between so many spaces. Few of these plan complexities are translated into the massing or into the elevations.





Morley Baer photos

11

A south slope, densely wooded with Monterey Pines and overlooking Carmel Bay, is the site for this handsome pole house designed for sale by architects Smith & Larson. The decision to use pole supports simplified the foundation conditions, left the site as undisturbed as possible and, in general, minimized the difficulties and expense conventionally associated with building on a hillside.

Living spaces are arranged on three levels. Kitchen, dining, living room and master bedroom share the lowest level. Carport, study, guest room and bath occupy the middle level. The upper level is reserved for children's lofts and storage. Entrance and lofts face the street while the living areas open toward the south and the view.

The poles form an exterior framing system standing just out-

side the plane of the walls except that the lower level living spaces pivot around a single freestanding pole that supports a corner of the study above (photo page 64).

The house was built as a speculative venture by architects who wanted to expand their experience as they established their practice. In the absence of an owner with a precise program, the house might have become too personal—too fervid an expression of the designers' own attitudes and interests. Happily, that did not happen. While the conception is anything but timid, the apportionment of spaces is clearly functional and the designers have carefully avoided geometric extremes or oddly shaped volumes.

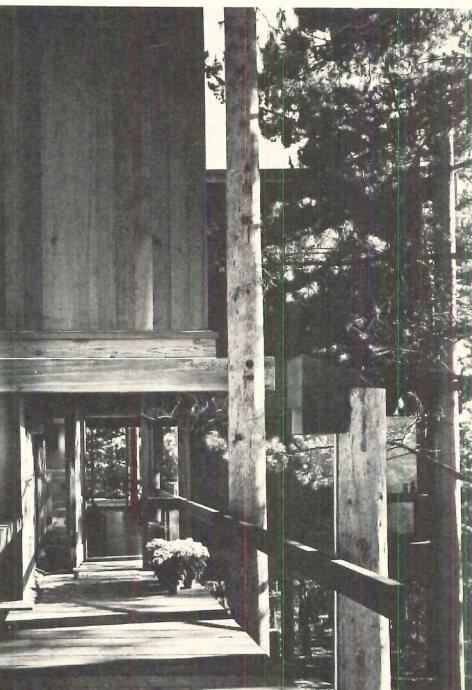
As a result, the house found an enthusiastic buyer almost at once. Lawrence Spector speaks lyrically

of his new house: "I wanted to own it after we opened the front door . . . light, space, view in every direction . . . rain water running down the sheets of roof glass. We were under a waterfall. I could have indoor plants, a natural kind of decoration everywhere.

"I walked around the property in the next days, in the light of day, in the rain, at midnight. The house simply radiates from any position on the land. . . ."

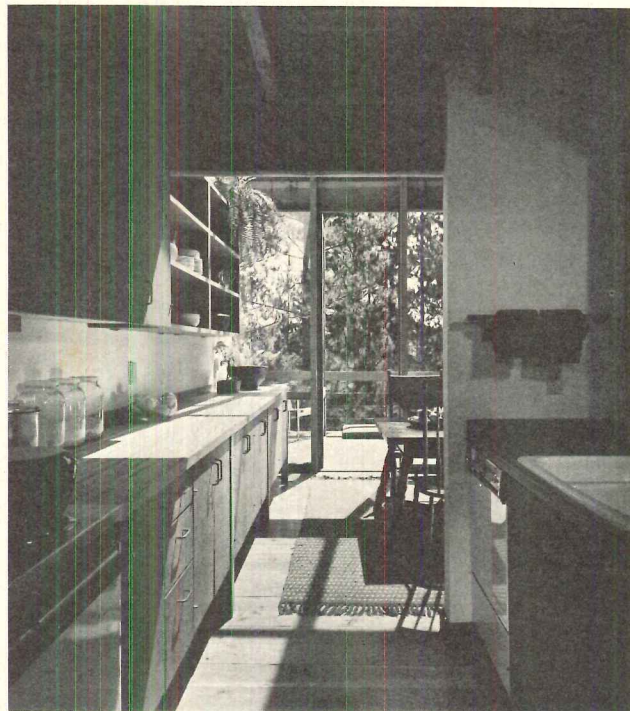
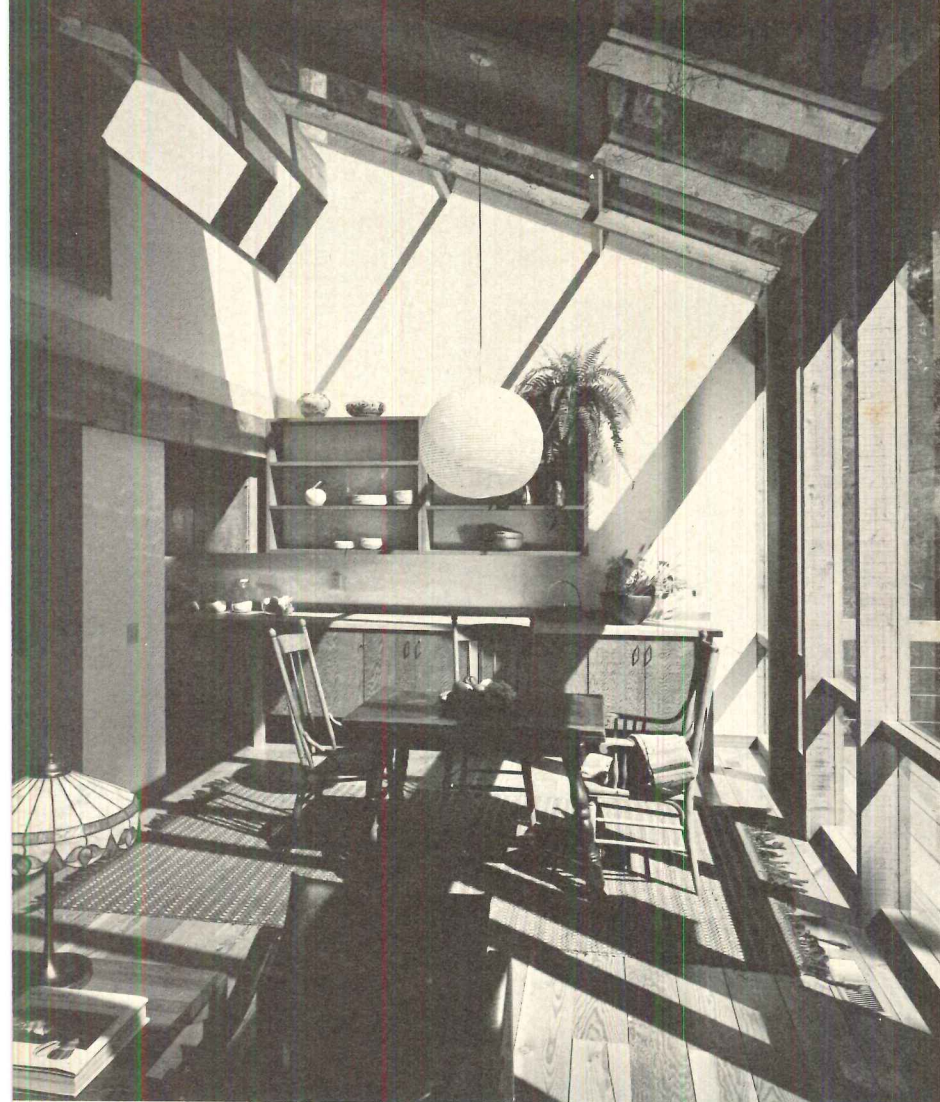
This praise is not undeserved. The Spector house is beautifully tailored to its site and apparently just as well suited to the needs of its new owner.

Architects and engineers: SMITH & LARSON. Owner: Lawrence Albert Spector. Location: Pebble Beach, California. General Contractor: Smith & Larson.

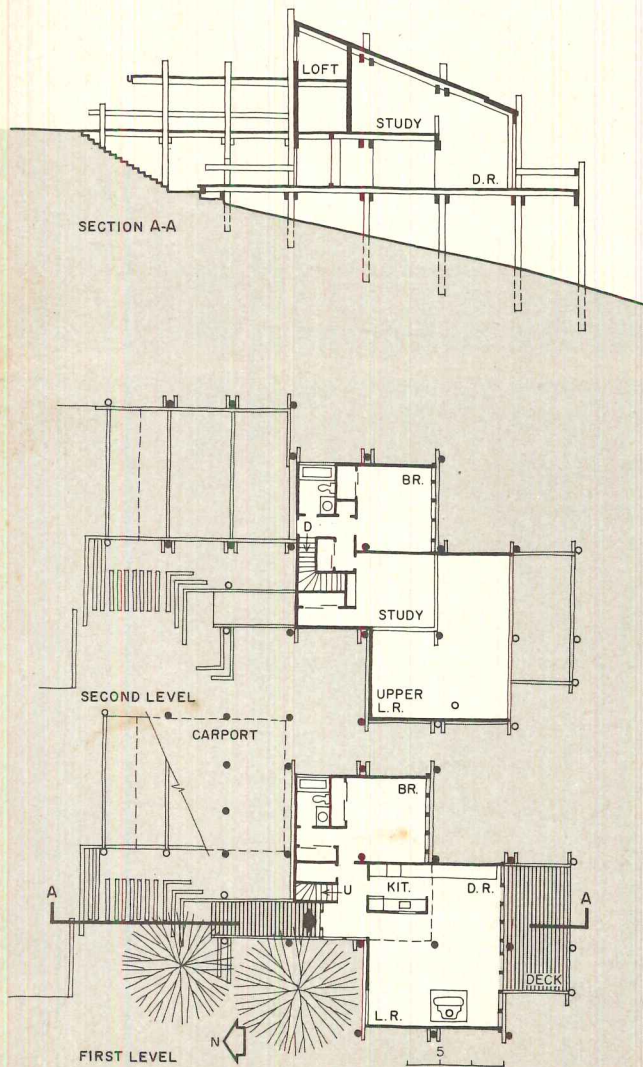


The main entrance (photo left) is reached by means of a stair and bridge at the side of the house. The bridge is protected from the weather by the projection of the level above. A simply detailed deck (photo right) extends beyond the living room and provides an intimate space for outdoor dining.





Sunlight is brought deep into the interior of the living-dining space by glass cut into the pitched roof (photos right and above left). The second floor study sunlight from the same source. Thanks to careful design, the quality of natural light is exceptionally pleasant throughout the house.







Steve Rosenthal photos

12 Truro is a small community located near the northern tip of Cape Cod. The peninsula narrows abruptly near Truro to a minimum width of half a mile, granting many residents views of both the ocean and the bay. The land is tufted with scrub pine and pocked by small glacial basins.

This summer house for a minister and his family, designed by architect Paul Krueger, stands at the lip of one such basin and steps down into its depth to provide a measure of privacy for the lower level bedroom. A twelve-foot-wide, three-level volume, the house is framed in tripled 2 by 12s diagonally braced at top and bottom. Additional bracing—against high winds—is provided by external guy wires turnbuckled to “dead men”

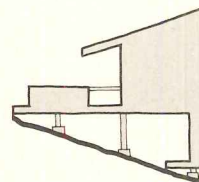
at either side of the house (see photo above).

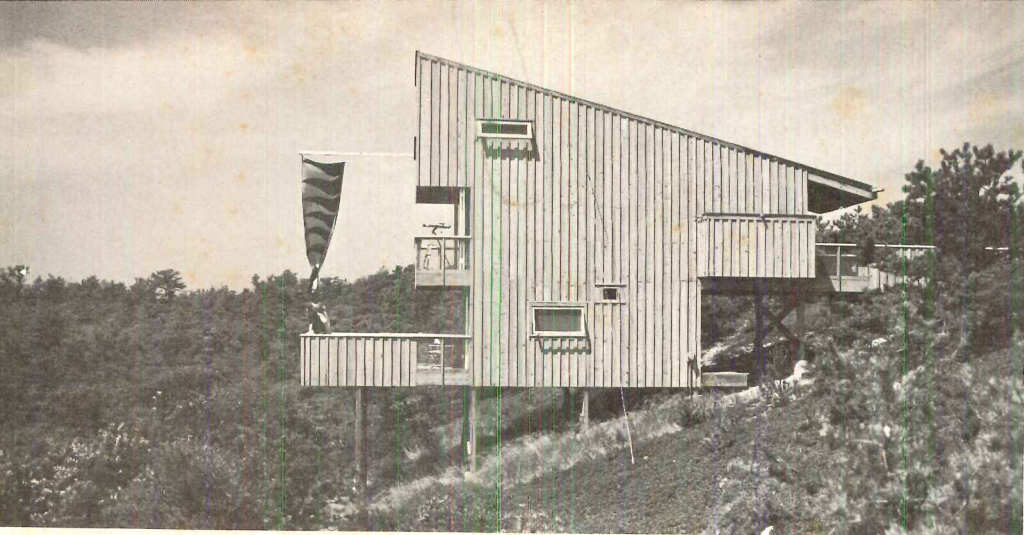
Built on an extraordinarily modest construction budget (under \$12,000), the house is clad in cedar board and batten, exposed on the exterior, and joined to the main vertical structure by horizontal nailers. Floors are fir decking and the roof is finished in cedar shingle. Minimum enclosure, simple construction, minor requirements for equipment, and the sparing use of interior finishes kept costs at rock bottom. But in spite of these economies, the Mark house has a freshness and inventiveness that derives from its siting and the playfulness of its forms. The interior spaces open outward and upward to expand the 12-foot-width and provide easy avenues of visual release. Inside and

out, the house has a consistent vocabulary of details and a pleasant sense of leisure and relaxed informality. It is a house where wet bathing suits do not seem out of place.

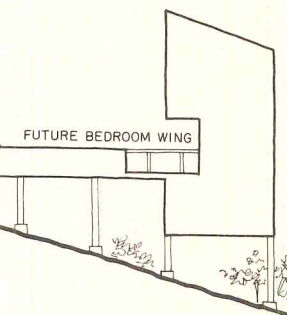
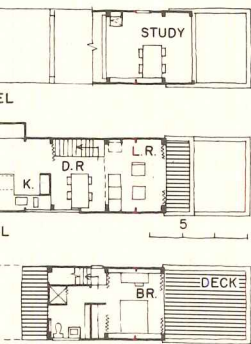
Future plans include a small bedroom wing to be constructed farther down the slope and attached to the main structure by a stepped bridge. When the addition is complete, the existing lower level bedroom will become a family room.

Architect: PAUL H. KRUEGER. Associate architect: Malcolm Montague Davis. *Owner:* Reverend and Mrs. Edward L. Mark. *Location:* Truro, Massachusetts. *Structural engineers:* Tsaing Engineering; *structural consultant:* Souza and True. *Contractor:* Colp Brothers.





approach to the house is a 12-foot wide bridge-deck that provides a pleasant, sequestered setting for outdoor dining. It also introduces a design theme that will be expanded in the planned bedroom wing is located farther down the basin. The architect had hoped to extend the braced structure over the deck but was barred from doing so by code.





Resawn cedar plywood and replicated greenhouse sections are key visual elements in this connection house and studio nestled in the Santa Cruz Mountains of California. The owners are two architects and teachers who preferred to live casually in a house that gave them a sense of openness and light. They also wanted to garden, maintain a small orchard, and keep horses. They didn't want to have to worry about using their house as a backdrop for these kinds of activities. A greenhouse house for gardening during the colder months suggested itself as a natural connector between the house and the studio, where the owners work and hold small classes (below right). Then, greenhouse sections suggested themselves as an equally natural way to provide openness and light throughout the house: they are stacked and staggered to let light into both floors of the house (left), or used singly to light a large entrance hall or to cover a private balcony (right).

13 This house is a robust manifestation of a very particular way of living. Architects around San Francisco seem traditionally to have been less willing than most to bend with the prevailing stylistic winds, though from time to time they have sent some special ones of their own blowing East. If the architect of this house caught his way of designing from older and more famous teachers, then he and his clients have managed to transmute the lessons into something that is unique and altogether their own.

The stock greenhouse sections seem pleasantly domestic, even though it is possible to see in them recollections of the finely honed work of James Stirling. The interior spaces, too, must owe something to cousins at the Sea Ranch, and the rough plywood finish is an easy-going industrial counterpart to the

kinds of materials Bay Region architects have favored for years. Yet the house manages to be powerfully different. It is individualistic, even good-naturedly homely, and it is brimming over with the sense that it is just the kind of house its owners wanted, and knew they could not get prepackaged.

It was they, in fact, who ordered the plywood finish. It was also they who found themselves, as the designs were being worked out, in the familiar *cul-de-sac* of wanting more than they could afford, and not being willing to build in stages. So they rolled up their sleeves and built the house themselves, with assistance from the architect and only one full-time carpenter.

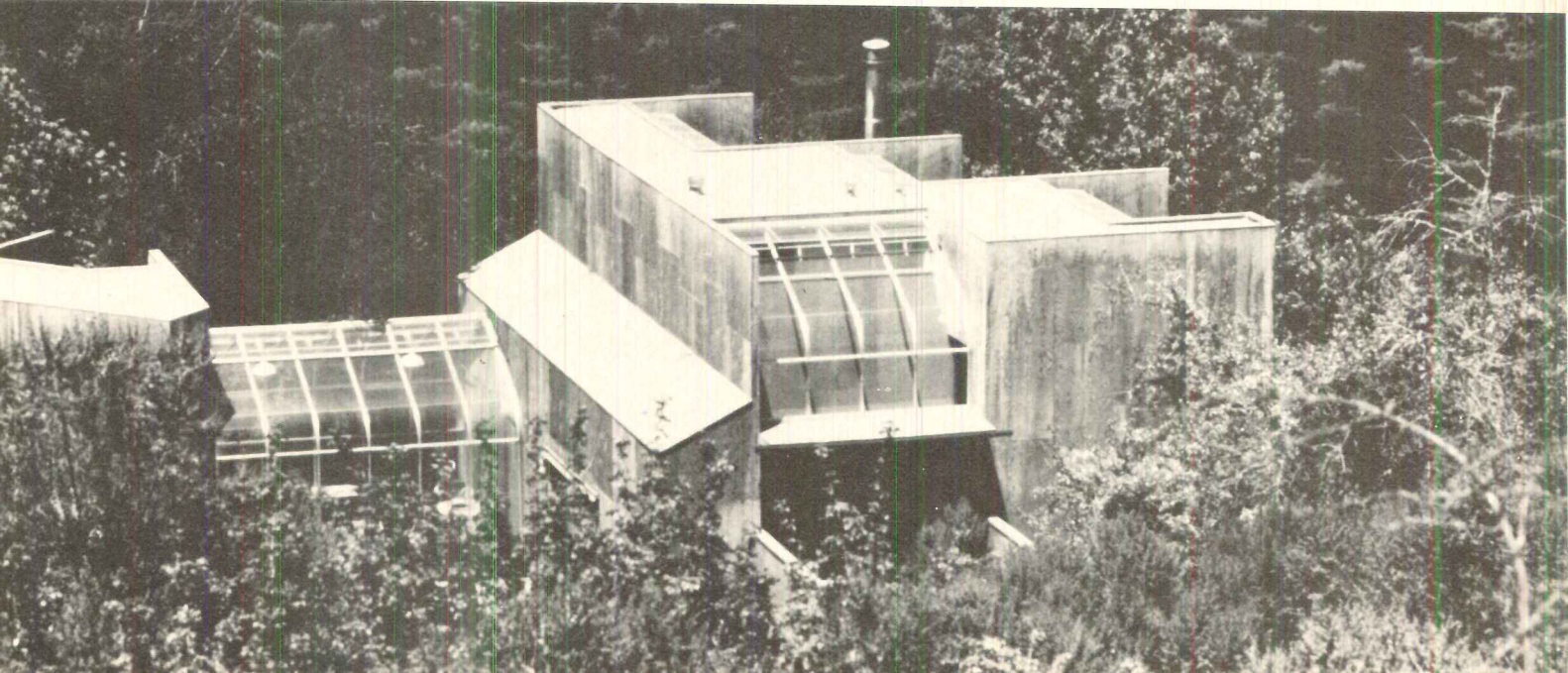
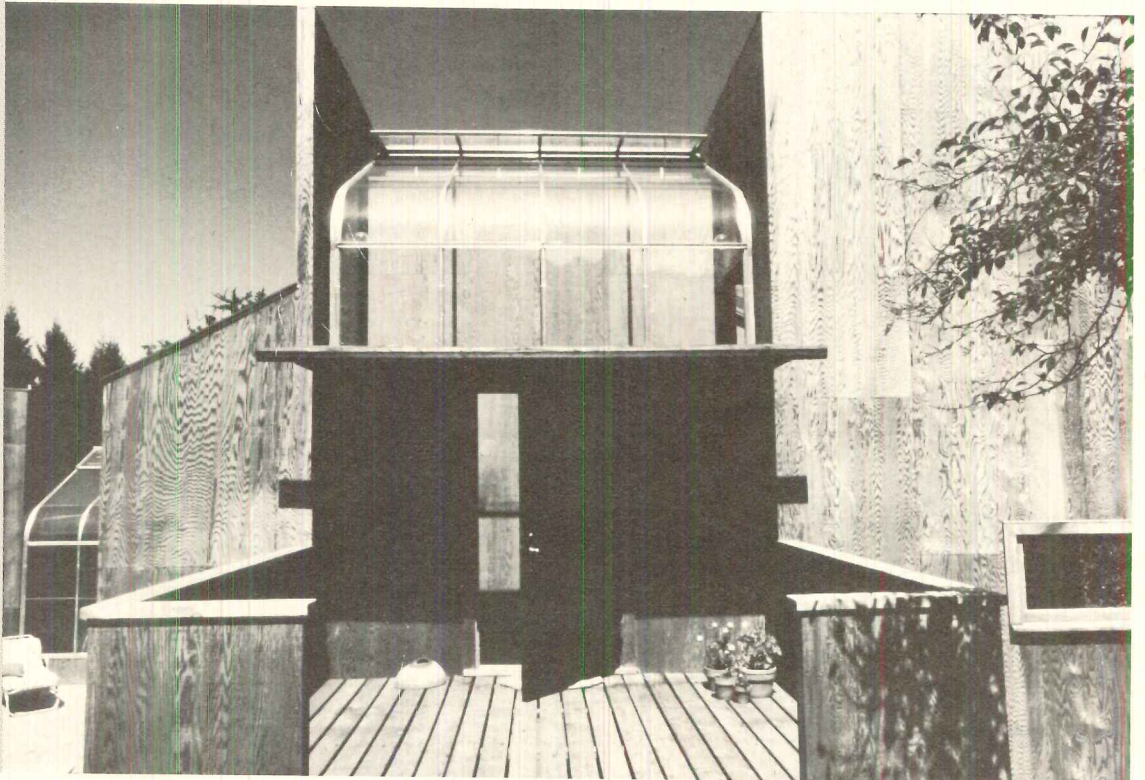
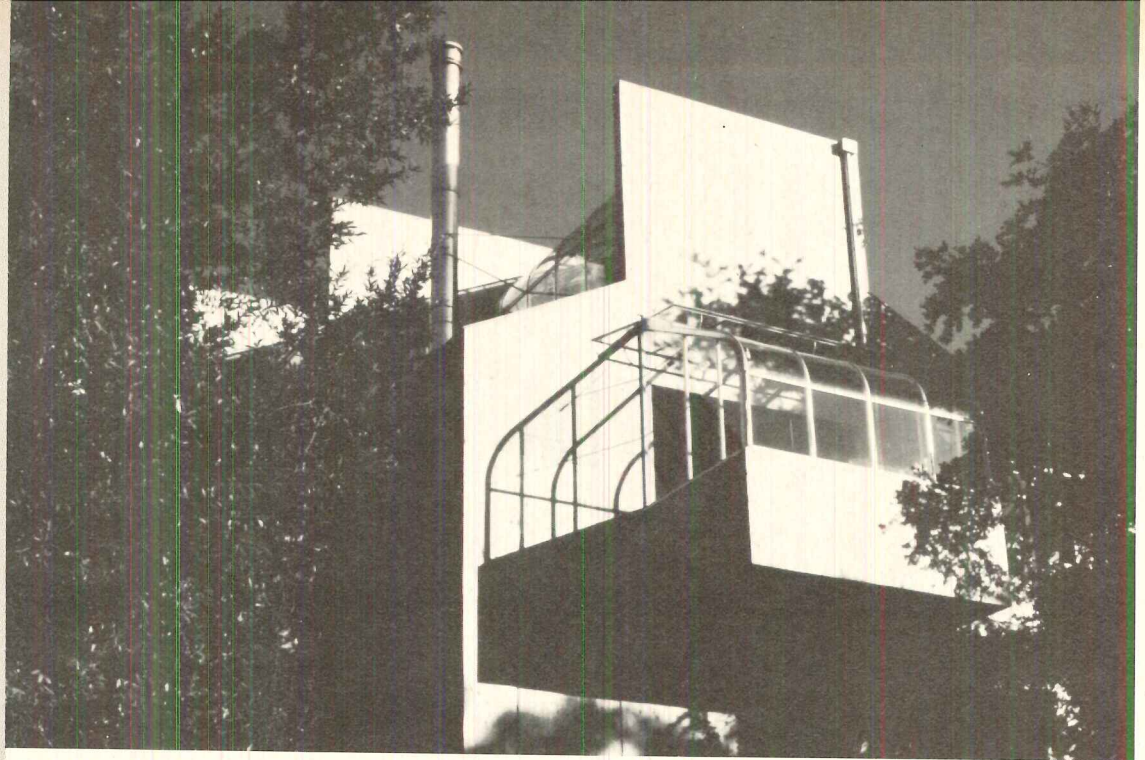
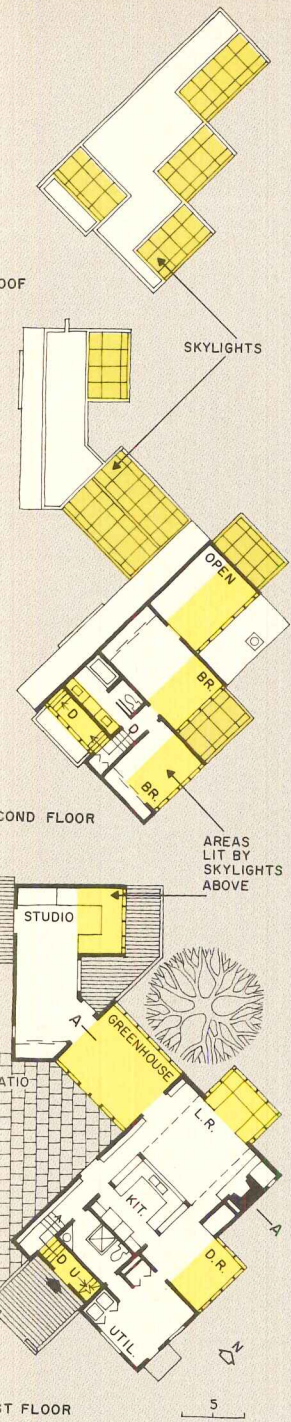
Only time and the owners will tell whether or not all the decisions were good ones—whether, for in-

stance, so much uncontrolled sunlight inside will really seem desirable, or whether the sense of openness created by the plywood walls sliding from inside past the glass to the outside won't be diminished as the plywood outside weathers and, on the inside, doesn't.

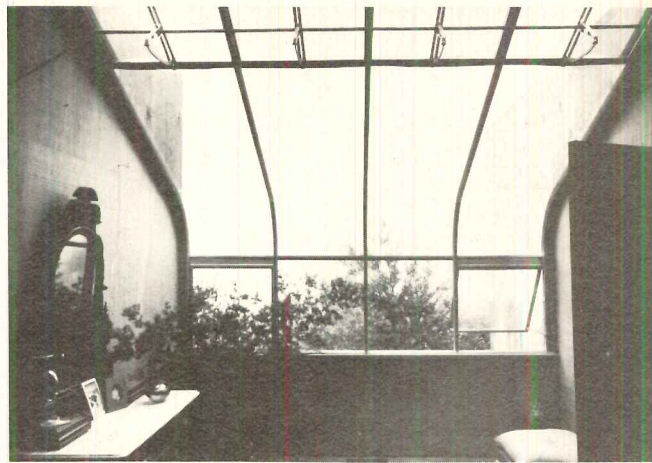
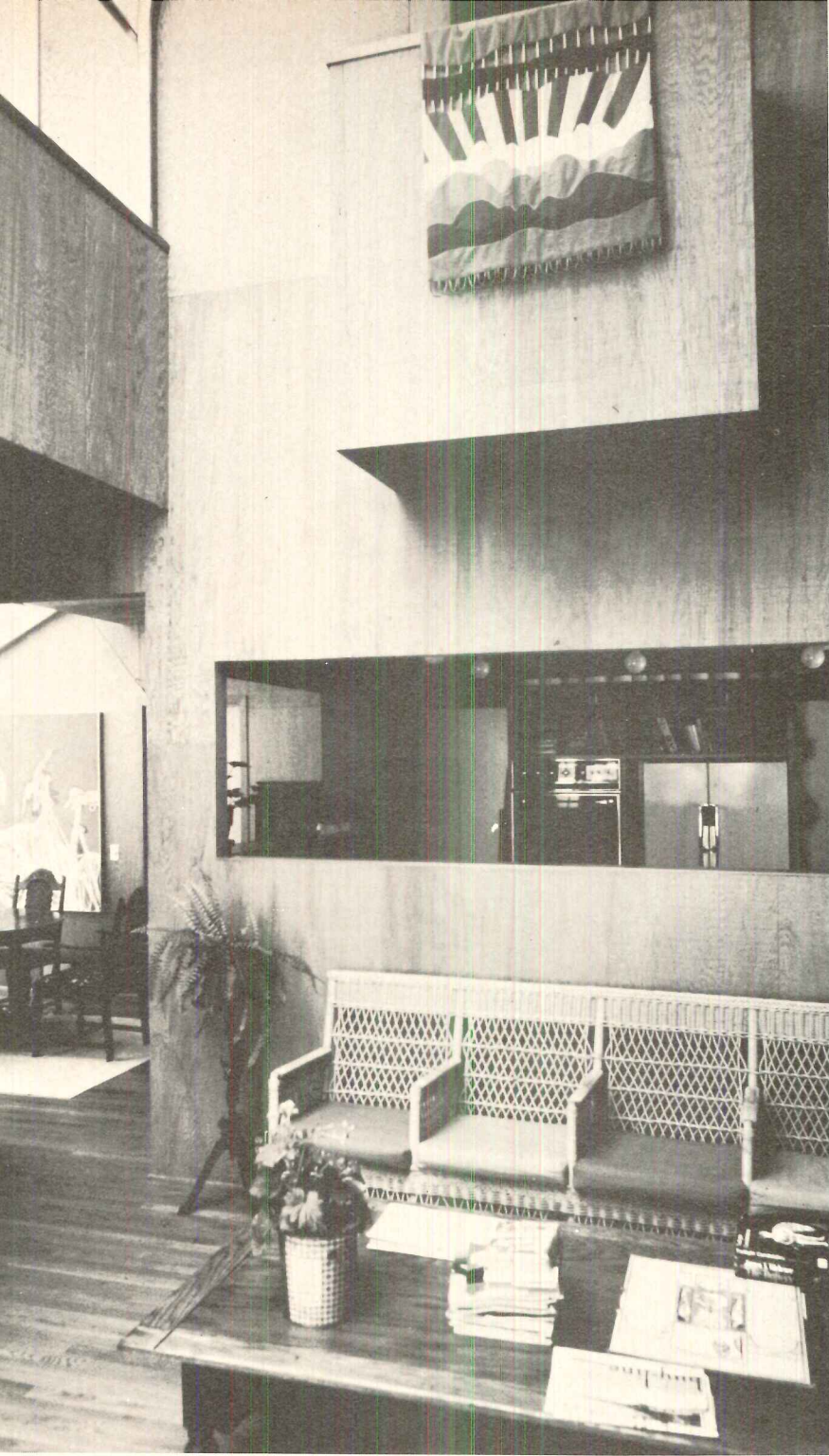
In any case, the house is a cheering expression of the owners' special taste, and of their architect's ability to nourish it. Though the latter member of this triumvirate freely borrowed from his colleagues, he let the house not only be different, but also quietly and blessedly un-rhetorical; this is a quality to be greatly treasured.

Architect: PETER BEHN of Behn and Gavin. Owners: Mr. and Mrs. Robert Lozano. Location: Santa Cruz County, California.

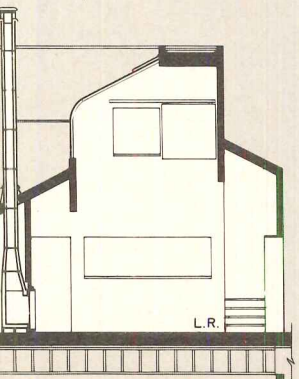


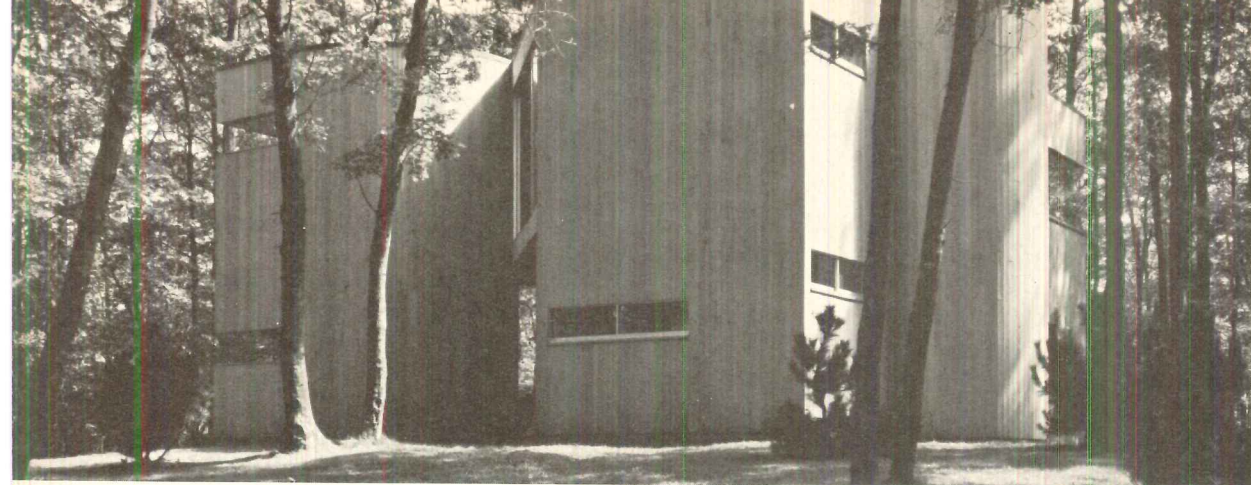






side the house, cedar plywood re-
 ins the finish material, and there
 is an abundance of natural light in all
 the rooms. A bedroom and a bath
 on the second floor are shown on the
 plan above; adjacent on the right is
 a greenhouse, seen through sliding
 glass doors. Above and on the left is
 the living room, lit by two green-
 house sections, and penetrated from
 the second floor of the house by a
 small balcony.

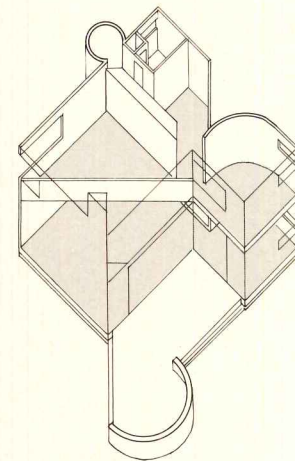
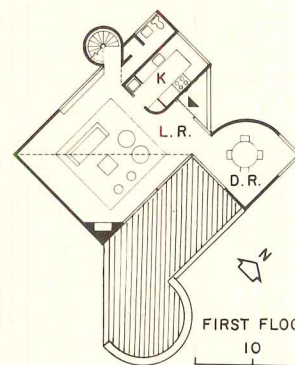
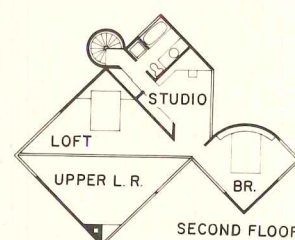




Gig Amiaga photos

Basically rectangular in shape, the house gains character by some simply achieved but highly rhythmic undulations of wall massing to express the activity areas and functions occurring inside. The combined sense of scale and openness that occurs within is also expressed in the relatively closed entrance arcade (left), the glass at back (below left).

Details throughout are simple, unobtrusive, well proportioned, with spaces massing given importance; even on a limited budget, there is no deference to the "external all the working innards" school—the mechanics of the house are not seen.



14 In this weekend and vacation house, architect Richard Moger displays as much skill in creating distinctive architecture with minimal size and budget as he has previously shown with more ample resources—as in his Rouse house, Clayton, New York (RECORD HOUSES of 1967).

Though the house itself contains only 1500 square feet, and was built for \$35,000, an illusion of far greater size—even luxury—has been created by some intriguing design techniques. The most obvious ones are the use of a modified "open plan," and the allocation of

the greater part of the house to a big living room and minimal (but ample) spaces for other areas. These ideas, of course, have been around for quite a while, but here they have been combined with a highly successful interplay of scale, light, openness and seclusion, which gives the sense of variety so often tragically lacking in a small house. In addition, Moger has incorporated an eye-catching *leitmotif* of rectangles and curves, all tied together by highly accented diagonal focal points; this, in the best sense, is the "decorative" element in the house—very simple, very ar-

chitectural, with no frills, fuss or ostentation—and is obvious in the structure, the furnishings, even the wall hangings. This visual use of the diagonal (as can readily be seen in the photographs) increases the perspective and sense of visual space to a remarkable degree.

Though, when all doors are open, one can see—or at least be conscious of—most all of the spaces in the house (and all these spaces somehow take advantage of the big, east-facing glass wall of the living area), necessary privacy is assured by doors to bedroom, baths, kitchen, and tracks provided

for curtains, if they are desired for the windows.

In part, the budget was met by simple construction: a wood frame on concrete block foundation, cedar siding, painted gypsum board interiors, built-up roof, quarry tile floors, furnace in outside-attached crawl space. All is neat, easy to maintain.

Architect and owner: RICHARD MOGER. Location: Southhampton, New York. Engineers: Langer & Lise (mechanical); Paul Guglielmo (structural). Contractor: John C. magna.





The "Binker Barn," named for a salesman who came up with the idea, is repeatable in several different versions. The basic shape is a heavy-framed box, with a kitchen and living areas on the first floor (opposite), two bedrooms and a bathroom above, and, higher still, lofts for sleeping, or simply for retreat. A lean-to (below) can be a carport, garage, or a third bedroom and bathroom. Or a separate garage can be added, as in the more distant of two versions on the left.



A. Youngmeister photo

15

This ingenious vacation house has been built well over a dozen times at the Sea Ranch in California. The basic notion is simplicity itself: a barn-like space with a plan that can be flipped and with an appended lean-to whose function is variable. The working out of the notion, though, assures that simplicity does not lead to dullness.

The ground floor plan is circuitous, so that the apparent size of the space is increased because the eye can never see all of it at once. The "Z" shaped plan of the second floor allows sunlight to fall into the living areas from skylights in the

roof, casting patterns that change with the hours and the seasons. It also provides upward vistas from below, and the pleasure of moving from a low space, like the dining area, to one that is dramatically higher. One can also move outside the enclosing walls of the house to lounge in a bay window, or right up to the peak of the roof to doze or sleep in one of the lofts there. What begins, then, as a simple space ends up providing an admirable array of different places to be and things to do.

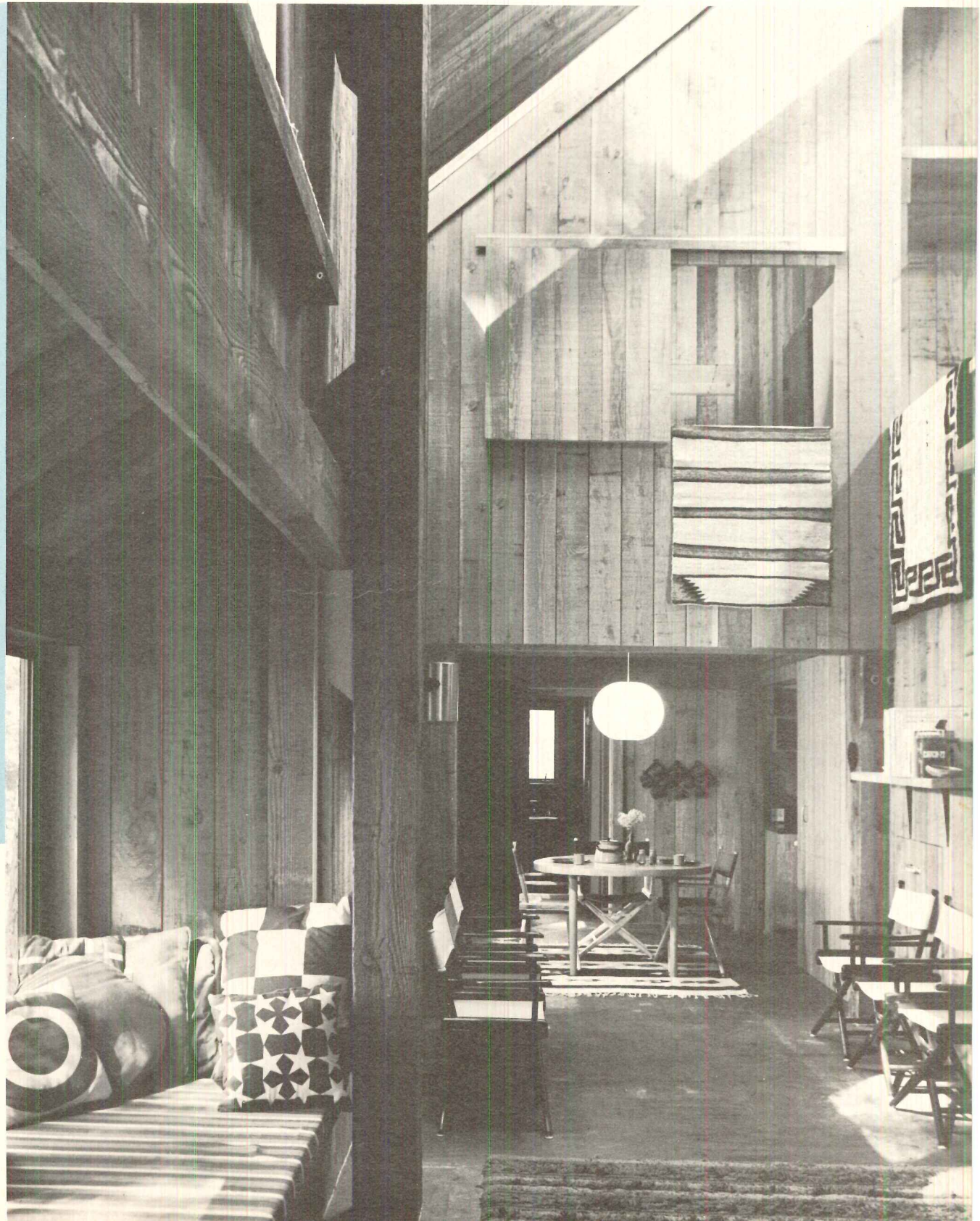
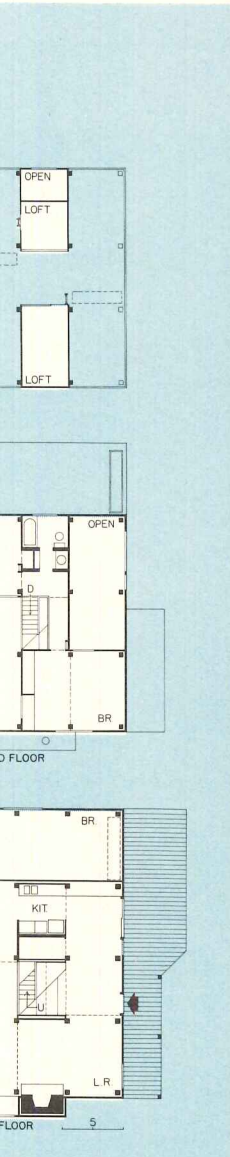
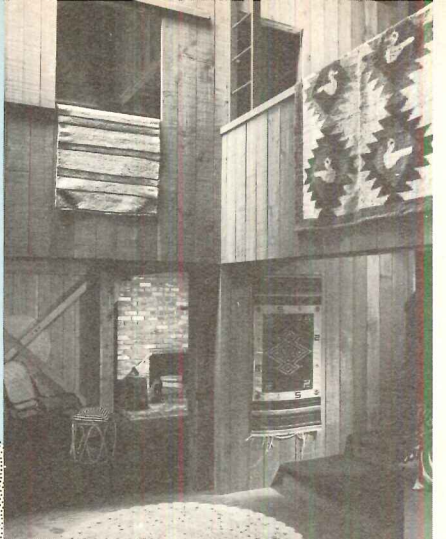
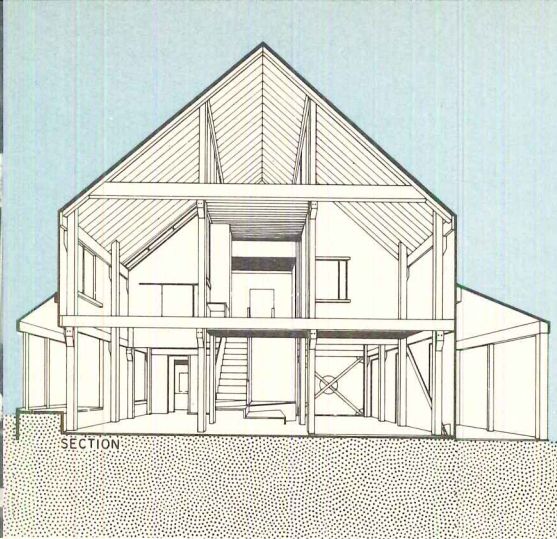
The architects assumed that in a vacation house choices of what to

do and where to do it would be made casually, and so the feeling of the interior is relaxed. The details are simple, the rough-sawn boards are left unfinished, and the heavy framing members stand fully exposed.

Outside, this way of building produces an effect that is downright modest, recalling simple rural structures. It has turned out that, at the Sea Ranch, this assumption of modesty was wise, for as more and more houses are built on the open meadows, each more obviously "designed" than the next, and each one competing with all the others

for attention, there is the danger that the place may begin to look more like a statuary farm than the beautiful, fully desolate landscape which it once was, and which the original developers, planners and architects had sought with great care to preserve.

Architects: WILLIAM TURNBULL AND CHARLES MOORE of MLTW / Moore-Turnbull—Robert Theel, associate. Location: The Sea Ranch, California. Engineers: Patrick Morreau (structural); Brejlik and Race (civil). Contractor: Matthew D. Sylvia.





Clyde May p.

16

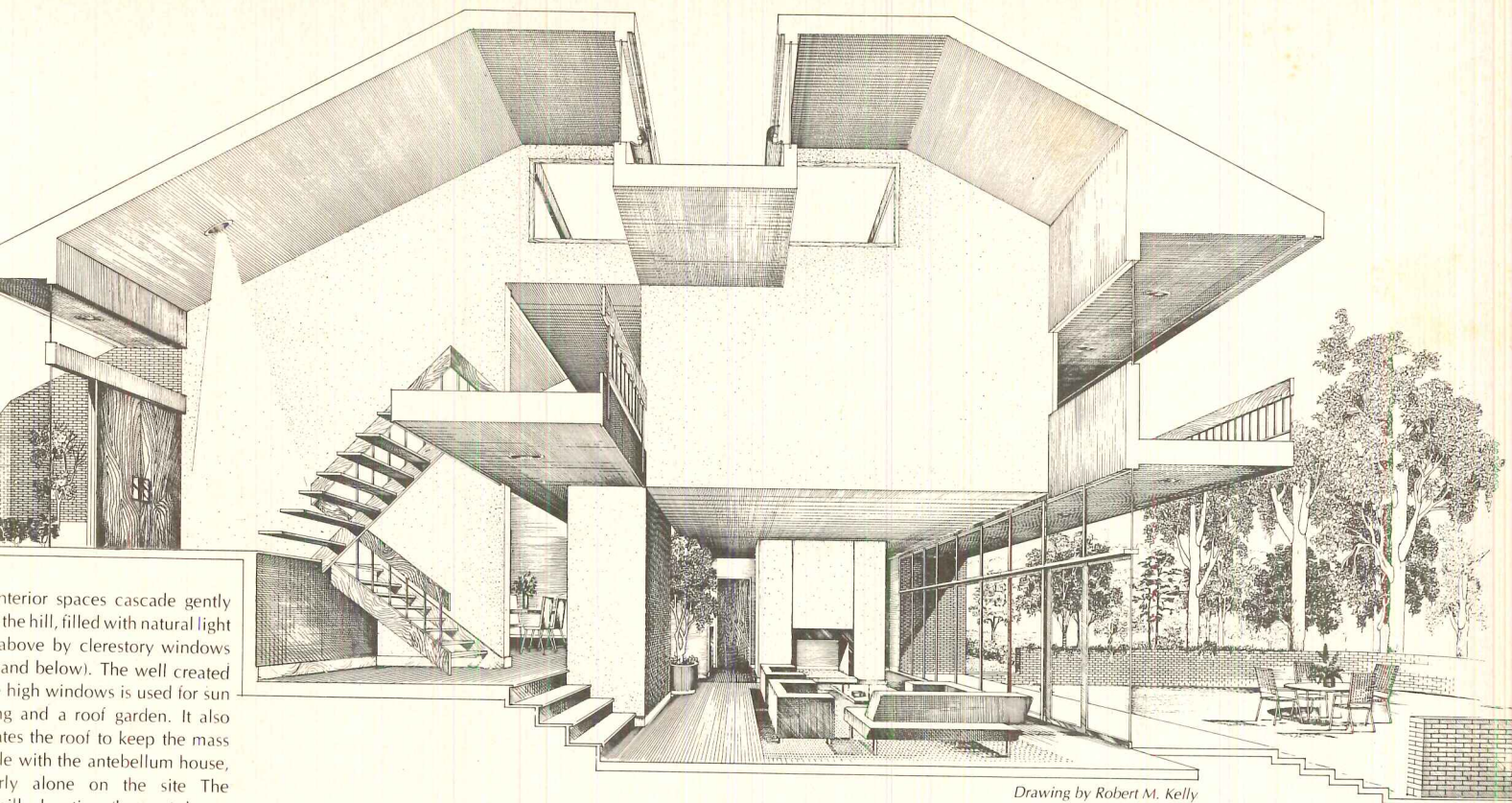
The decision, by Mr. and Mrs. R. D. Comstock and their architects, Pearson and Porter, to save the modest pre-Civil War house on their site in Atlanta (top photo, right) determined the design approach for the house that was to be constructed next to it. Everything about the new structure—siting, materials, roof forms, detailing—was obviously conceived to make as happy a conjunction between the two as possible. The deliberate suppression of scale-denoting elements such as standard doors and windows (let alone white columns!)

helps the much larger new house stand gracefully by its ancient neighbor. The siting of the new construction on the downhill side of an existing automobile loop drive centered on the old house had several advantages. First, it allowed the old house to remain as the visual focus. Second, it allowed the architects to place much of the required volume of the new house below the level of the drive. Study of the plans and section (opposite) shows how completely the elevation facing the drive (above) has minimized the true size of the

building. Finally, the siting allows the large rooms for entertaining—an important part of the program—to relate comfortably to the ravine in which the house is placed and the future lake planned for the site. Living room, dining room, den and recreation room are grouped and open to each other (although the recreation room does have a door) to provide a spaciousness in which the active family of four can move comfortably and entertain large groups. The interior spaces relate to the landscape by a continuation of wall and floor planes that form

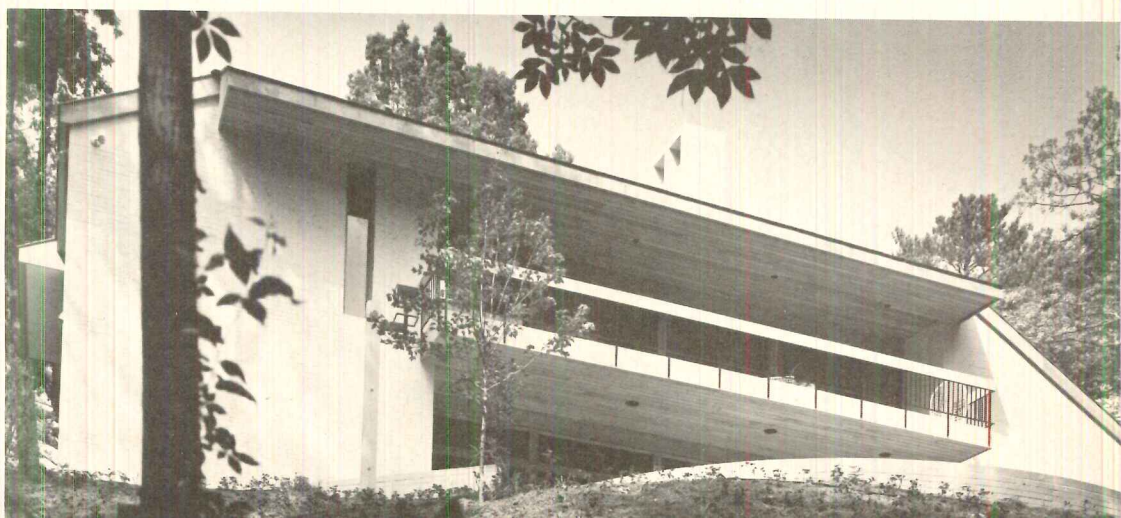
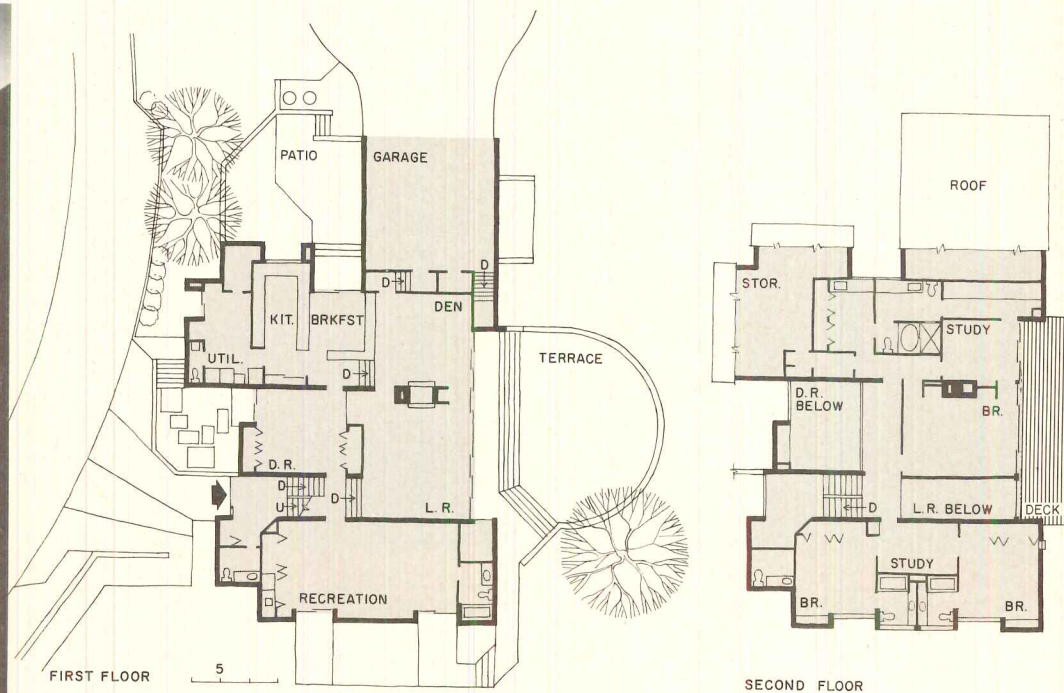
terraces and gardens. The w framehouse has brick veneer walls and a cedar shingle roof to match similar finishes that remain on the walls and roof of the existing house. Interiors are painted drywall.

Architect: CLYDE C. PEARSON and Porter. *Owners:* Mr. and Mrs. R. D. Comstock. *Location:* Atlanta, Georgia. *Engineers:* Weems (structural); Warren Shreve (mechanical). *Interior design:* Gordon Little. *Landscape architect:* Ward Daugherty. *Contractor:* Malone Company.



Interior spaces cascade gently
 the hill, filled with natural light
 above by clerestory windows
 and below). The well created
 high windows is used for sun
 and a roof garden. It also
 the roof to keep the mass
 le with the antebellum house,
 rly alone on the site The
 hill elevation (bottom) has a
 ng horizontal quality.

Drawing by Robert M. Kelly





Allan McCoy photos

17 The genesis of this design was a wedge-shape lot with a spectacular view, but sloping to a degree which almost signalled unbuildability. The solution was a structure built in parts elsewhere and trucked to the site. There a trestle was built at street level at the top, and this became a platform for the crane which lowered the pieces one by one into their proper positions. Later, the trestle became a car park for the finished house.

The house is made of three tall towers, connected at some levels and separate at others. The smallest of these towers twines around an elevator shaft. The other towers hold at various levels the living room, children's bedroom and bath, and a workshop in the one, and a studio, family room, kitchen-dining room, the master bedroom, the guest room, and a game room

in the other. The frame of the house is a freestanding skeleton which receives no structural help from the wall panels; its members are glue-laminated wood and were pre-cut, pre-drilled, pre-stained and numbered for position. When the skeleton had been erected on concrete footing pads (in five-days' time) diagonal tie rods were added and adjusted to align the structure to receive the wall panels.

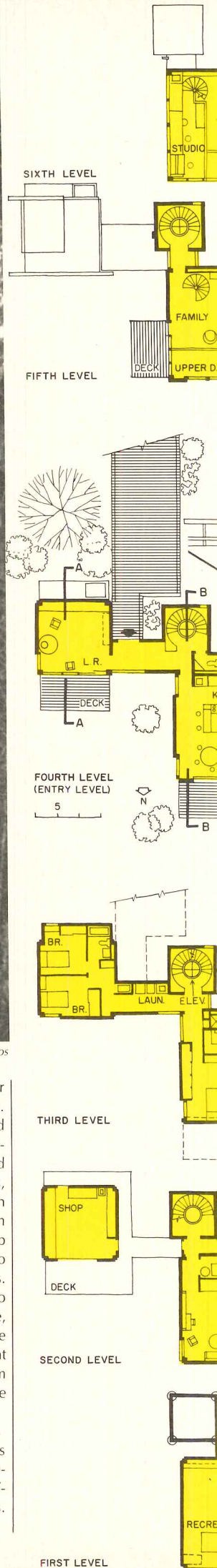
These were shop built of 2 by 4 framing and pre-stained cedar siding, then dropped into place by the crane and bolted onto the frame from inside (in barely four more working days). All the installation was done from the inside.

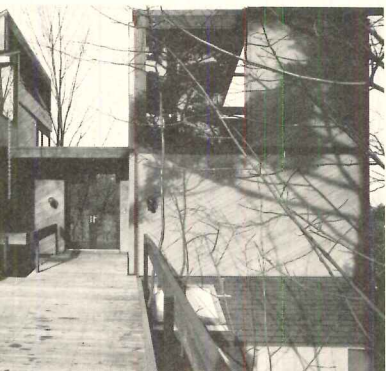
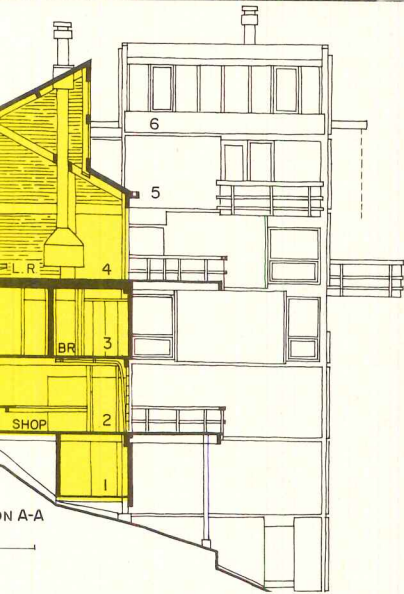
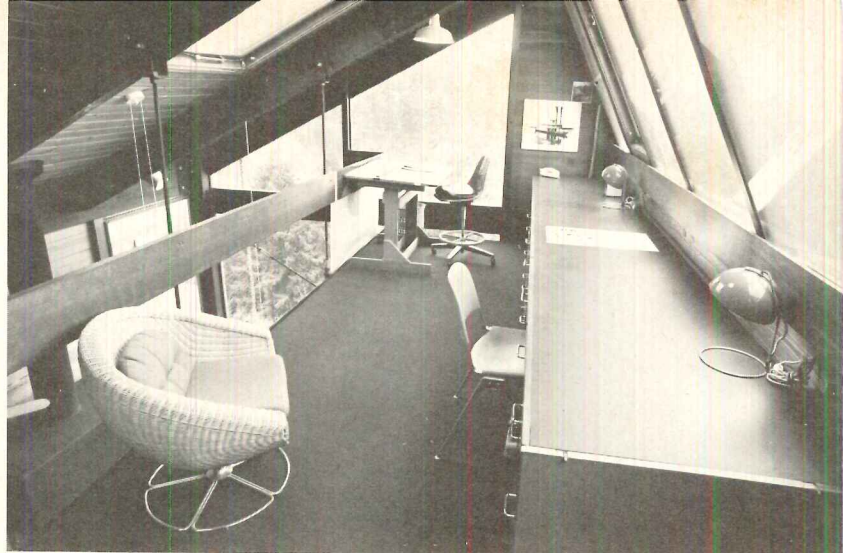
The completed house is a straightforward, ingenious solution to a taxing site problem.

The obvious disadvantage of a house which is organized vertically

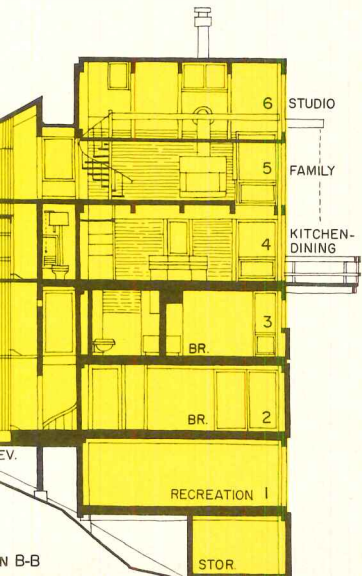
is that the rooms on any one floor are isolated from all the others. Here the architect has countered the practical disadvantages by providing space for an elevator, and lessened the psychological ones, for example, by piercing an open shaft from the kitchen-dining room on the main level all the way up past the family room to the studio at the very top of one of the towers. On the other hand he has also turned disadvantage to advantage, by carefully arranging rooms where isolation is desirable on different levels or in different towers from each other, and from the more public spaces.

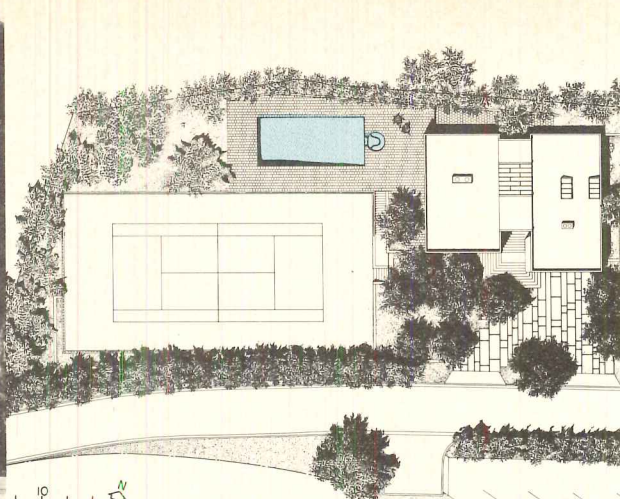
Architect: JAMES OLIVER of James Oliver Architects & Associates. Location: Portland, Oregon. Engineers: Frank Honey & Associates. Contractor: Malcolm Merino.





Entrance to the house (above) is across a bridge which leads to the main public rooms inside. The kitchen-dining room (above left) is open to the studio and under the roof (above right). The living room (above right) is lit from above by a large light scoop and opens onto a deck and a splendid view.





Julius Shulman

18

The Heidemann residence outside Los Angeles, by Pulliam Matthews and Associates, is built into the flank of a hill on a three-quarter-acre site that drops nearly 50 feet corner to corner. The slope, and the owner's desire to have both a tennis court and a swimming pool on the property, sharply limited the building area available. A reasonably compact, two-level solution was the result.

An open stairwell (page 83, middle) separates the active and quiet areas of the house. Game room and living room are oriented

to the south and overlook both pool and tennis court. Kitchen, library and bedrooms face north. Parking is under the lower living area. Above the concrete podium, which extends in the form of a long retaining wall to embrace the tennis court, the house is framed in wood and finished in heavily-textured stucco. Windows are set back two to six feet from the outside wall to protect against Southern California's intense sunlight.

The interiors, somewhat formal in terms of furnishing and dressy in terms of finish, are exe-

cuted with consistent skill. A brown, marble facing on the fireplace wall is an elegant accent to the plaster partitioning and oak flooring. Chrome handrails lend sparkle to the skylighted, central stairwell and offer a design theme that is picked up again in the furniture. In the living room, sculpture, planting and high-contrast graphics combine to provide a strong visual impact to a deliberately understated white-on-white scheme.

Careful massing and attention to planning and detail, inside and out, give the Heidemann house an

unusual richness, clarity and interest. The Heidemann house has its own distinct character but belongs at the same time, to a Los Angeles tradition that dates back to Irving Gill and perhaps earlier.

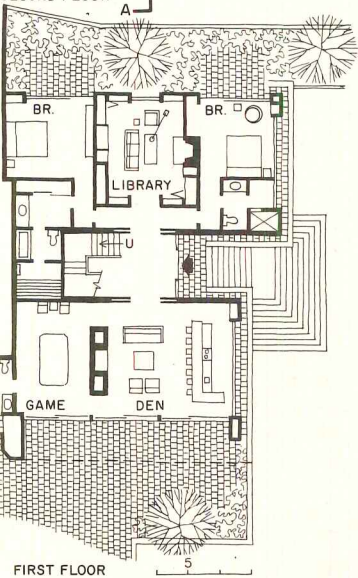
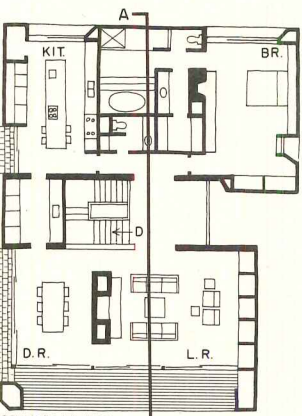
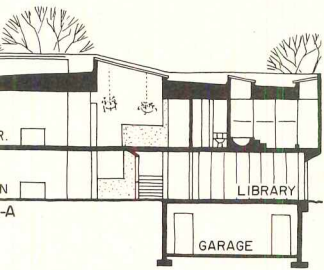
Architects: PULLIAM, MATTHEWS AND ASSOCIATES—Jaswant K. Pulliam, project architect. *Owner:* Norman Heidemann. *Location:* Beverly Hills, California. *Structural engineer:* Norman J. Epstein. *Landscape architects:* Robert Joseph Clark Associates. *Interior designer:* Signe Holechek. *General contractor:* R. C. Wheeler



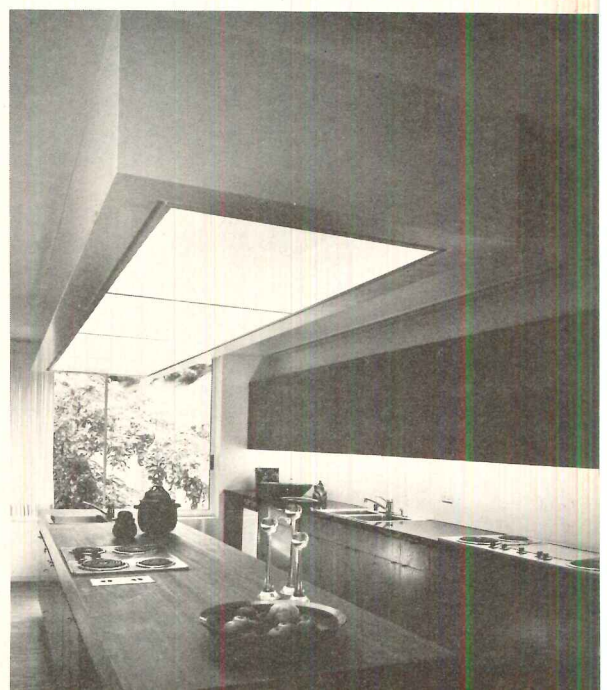


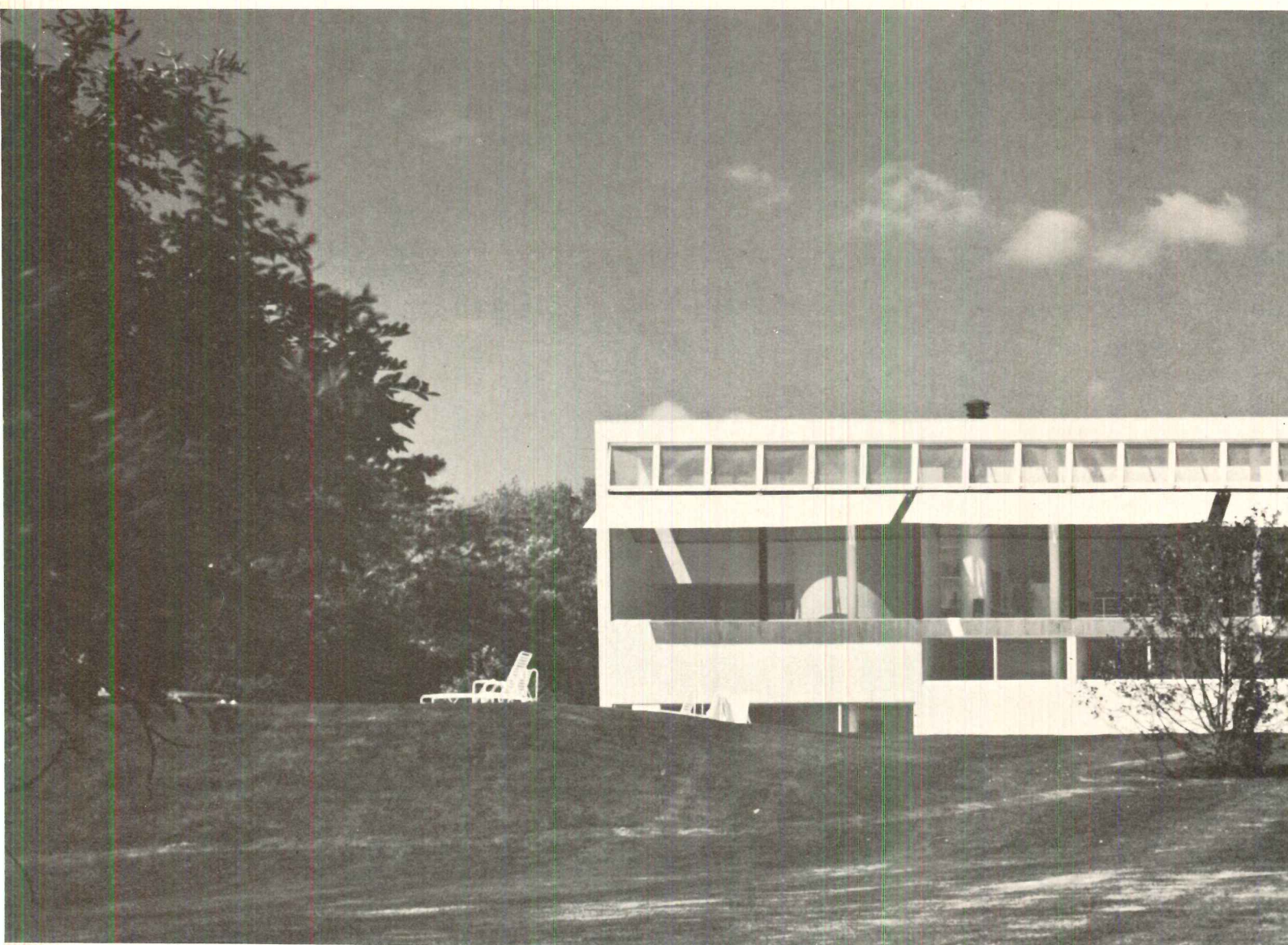
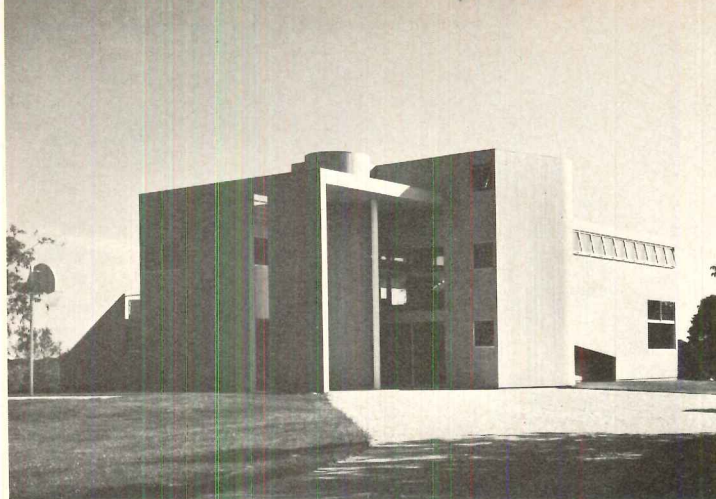
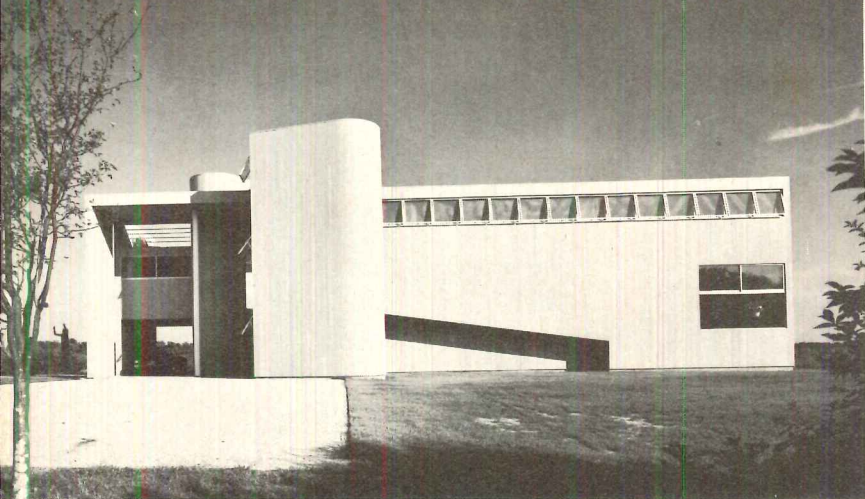


skylighted, central stairwell (photo above) separates the living-dining areas from the rest of the house. Behind this stairwell, a small pantry and kitchen to dining area creating an easy pattern of circulation.



The crisp white planes of the interiors reflect the light beautifully and also serve as excellent neutral backgrounds for graphic and sculptural display. The end wall of the living room (photo opposite page, bottom) is designed to house hi-fi equipment.





19

East Hampton, for some time a busy bazaar for contemporary architectural experiments (both superb and otherwise), now has a new attention-getter: the lean, powerful elegance of this sizable house synthesizes some of today's design directions—and with great aplomb.

The house is very much in the stylistic vein of this architectural firm's work, and demonstrates a continuing growth in assurance and maturity. It is a country house of great comfort, privacy and livability—qualities which sometimes get diluted in the architect's quest for

design purity and unity.

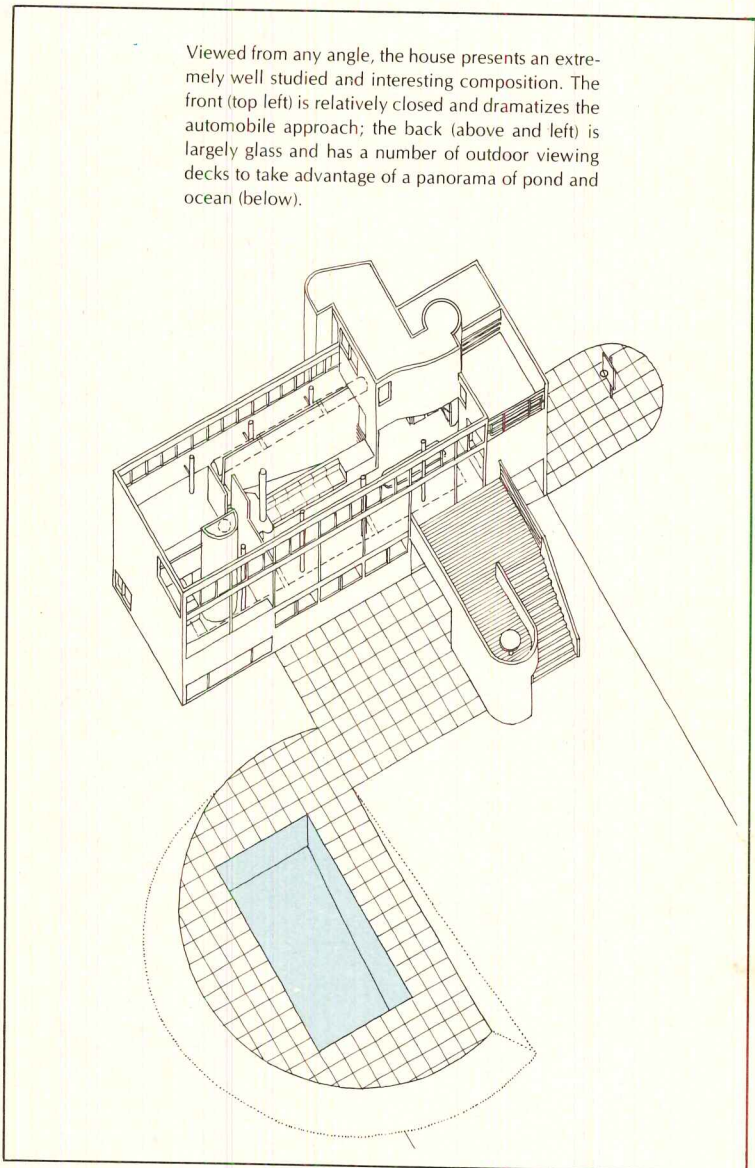
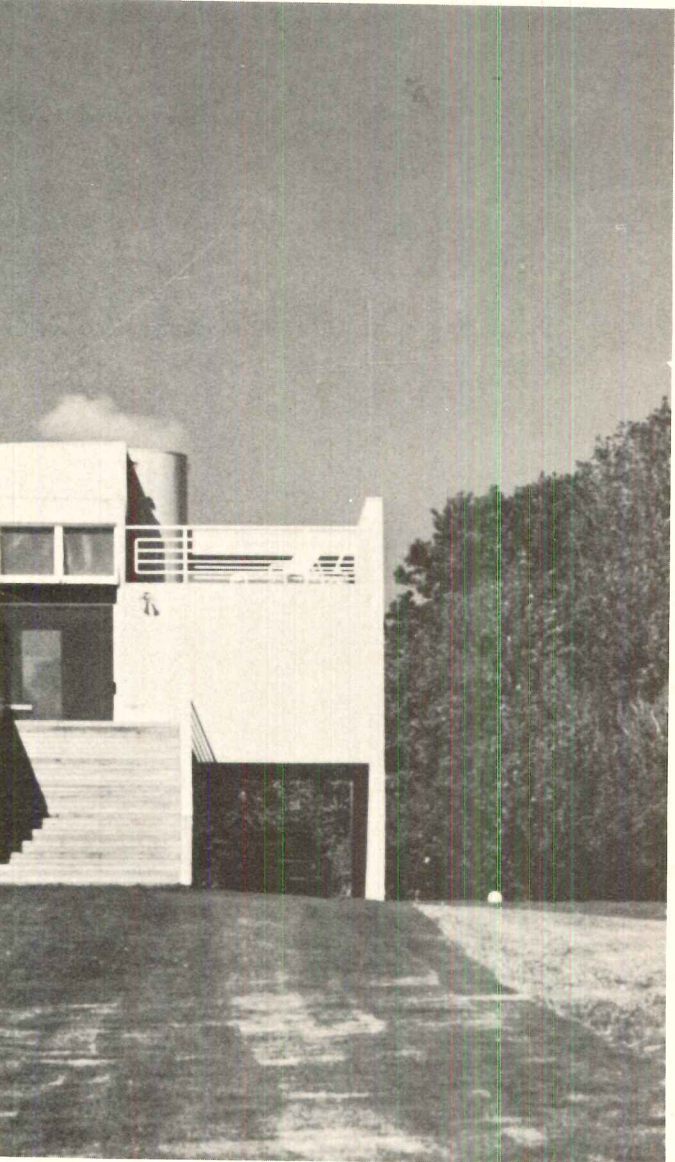
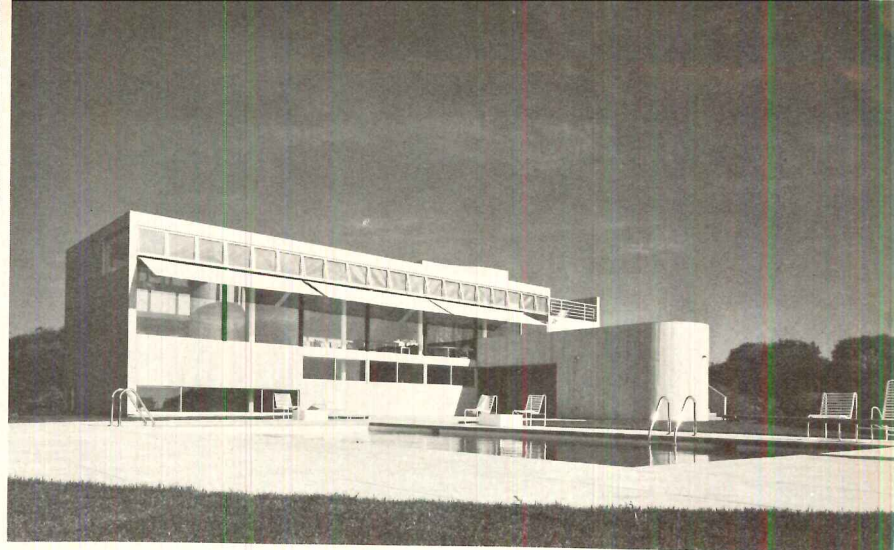
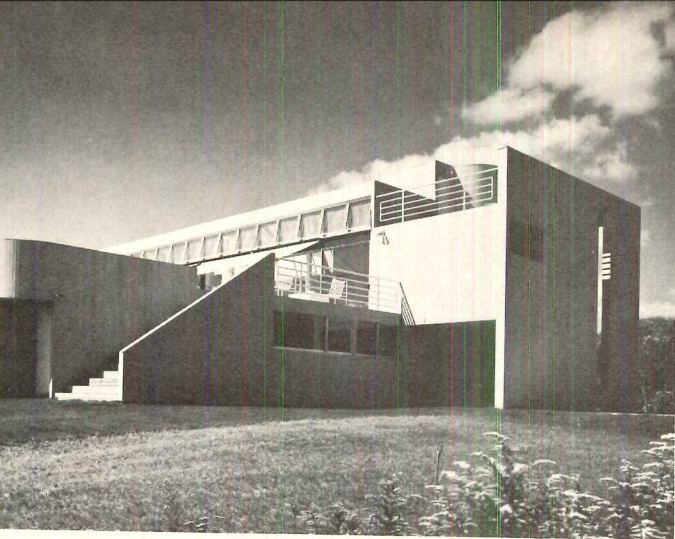
The house sits like a big, artfully asymmetrical sculpture on a gently sloping five-acre site. It is bounded on the south by a pond, with views of the ocean beyond. To take full advantage of these vistas, the living-dining areas are elevated, European fashion, to the second floor. The ground floor level, below, is zoned by an entry which separates car and service areas from bedrooms for the family's three children and their adjoining indoor and outdoor play spaces. On varying levels above the main living spaces are ranged the master bed-

room suite, a study, guest accommodations and a roof terrace; all are connected by a ramp and by stairs. Thus, each activity area of the house has its own "zone" and full privacy.

The structure has a regular column grid of white-painted steel which supports the basically rectangular roof. The rest of the structure is wood frame, clad inside and out with tongue-and-groove cedar siding treated with a bleaching oil to obtain a soft gray color. All cabinet work is treated as a "secondary building system" and is also surfaced in white. The basic rectangle

of the house is relieved by what architects describe as "variation, erosions, transparencies and extensions related to views, indoor-outdoor, public and private activities." The resulting interplay of geometric voids and solids, great stairs and elevated pipe-railed terraces has a strong recall of the "International Style" of the 1930s; it is an approach to design which works well in such a big-scaled house as without seeming pretentious or overbearing.

But the house is very much of today, especially in its amenities, including a very well handled

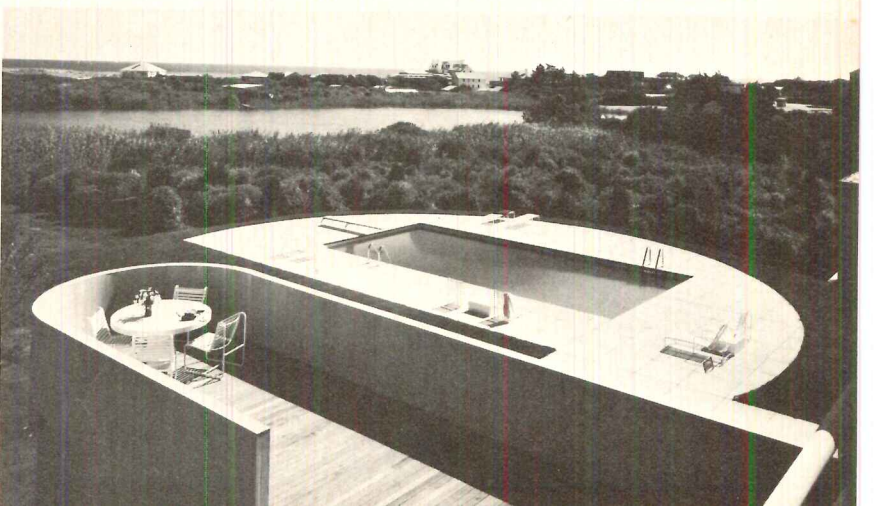


Viewed from any angle, the house presents an extremely well studied and interesting composition. The front (top left) is relatively closed and dramatizes the automobile approach; the back (above and left) is largely glass and has a number of outdoor viewing decks to take advantage of a panorama of pond and ocean (below).

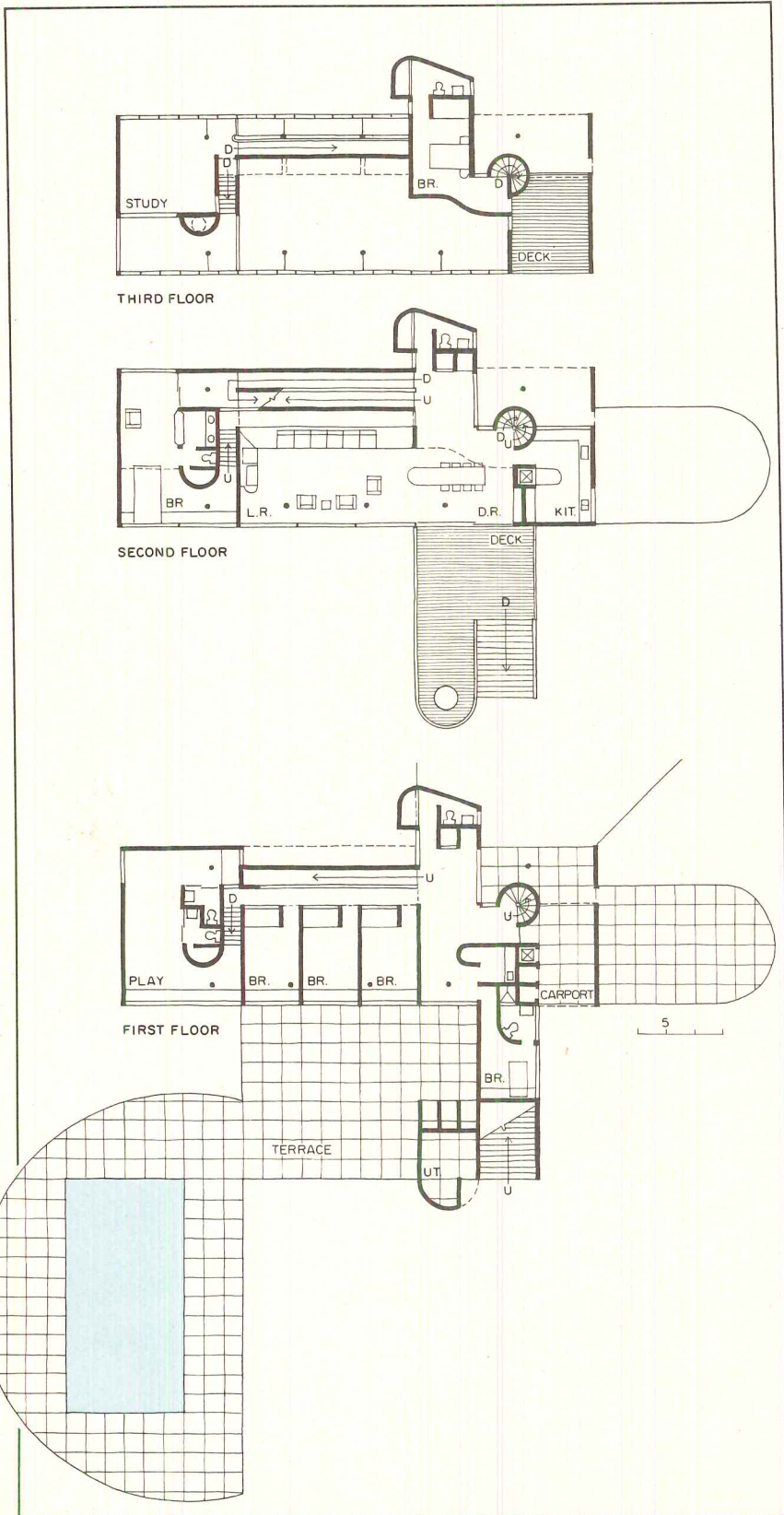
erated automobile approach
carport (there is even a dumb-
er to transport groceries to the
nd-level kitchen). The house
electric heating and cooling,
en and laundry equipment,
in intercom and hi-fi systems.
ity is good throughout, and the
was about \$35 per square foot
ding cabinet work and carpet.
The landscaping and interior
n for the house were also done
e architects, and contribute
ously to the visual cohesi-
s and unity of the place. Day-
ng has been as carefully con-
ed as artificial light for night;

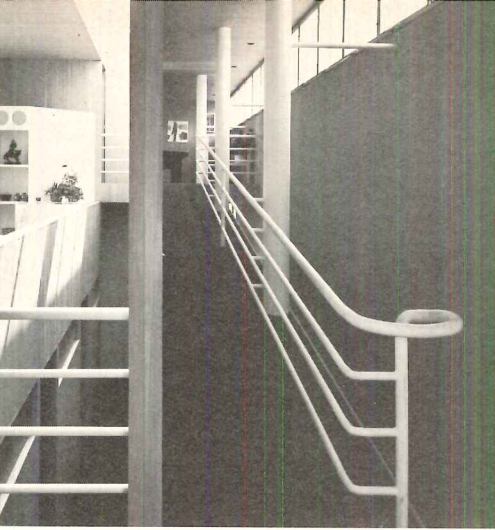
clerestories and skylights add bal-
ance and drama, and operable
canvas awnings shade the big living
area window wall. All interiors are
furnished in a generously scaled,
low key, comfortable fashion with
spots of bright color for accent (see
also front cover) against the basic
gray of the bleached cedar siding
and white monochrome of the steel
structure.

Architects: GWATHMEY SIEGEL
ARCHITECTS. *Location:* East
Hampton, New York. *General con-
tractor:* John Caramagna.

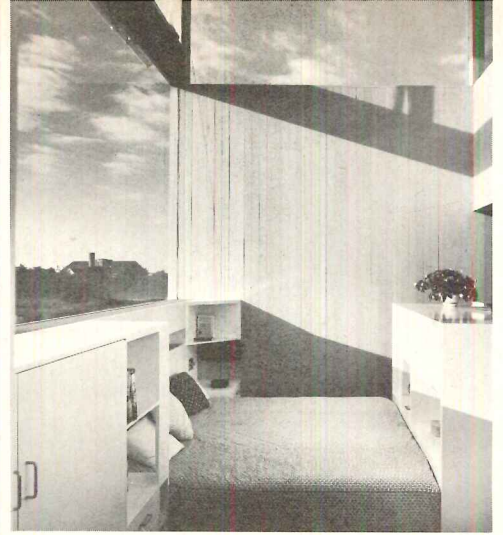


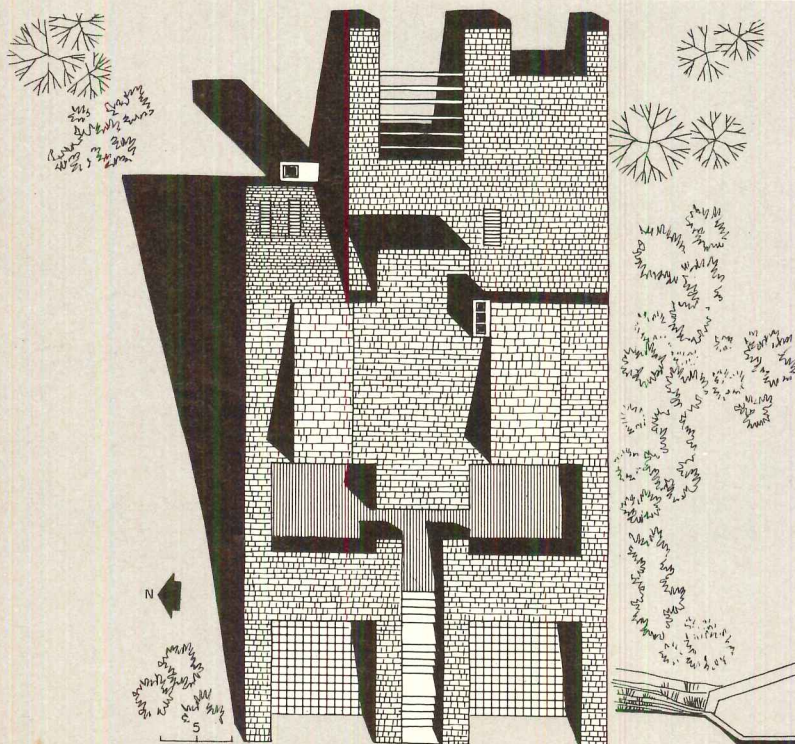
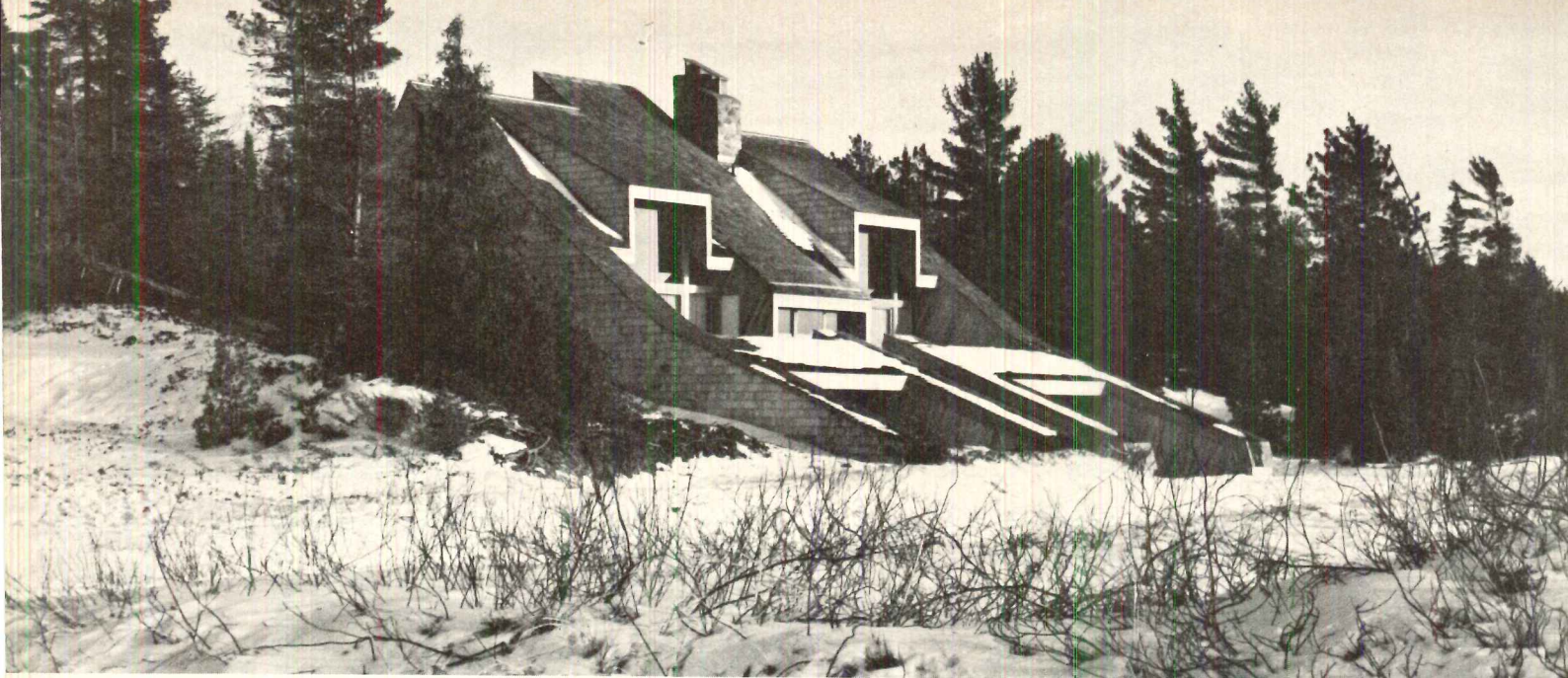
Ezra Stoller © ESTO photos



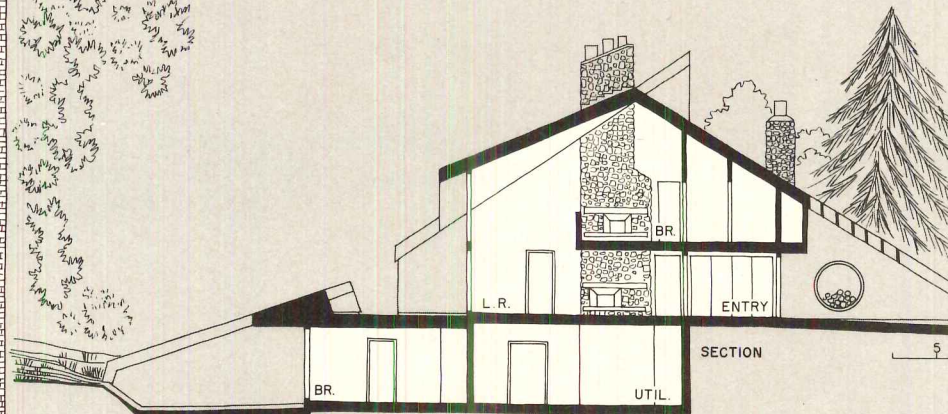


The real spaciousness of the living and dining areas of this East Hampton house is readily apparent in these photos; it is visually increased by the big window wall and viewing deck—and, in a vertical sense, by the ramp which links all levels of the house and by the long curved skylight above it. Most rooms, as well as the ramp, are carpeted, with tile used as flooring in bathrooms and kitchen. A large amount of furniture and cabinets are built-in to preserve the architectural unity of the interiors and provide unusually good facilities for storage and display.





Like the sand dunes and trees around it, the house, made of fieldstone and cedar shingles, slopes up from the shore it faces (above). From behind (upper right) it provides a most rest and inviting entrance, even as it screens the view until one is actually inside the house. The two bedrooms on the lower level and the public rooms on the main level each have their own terraces (plan left) which lead to the beach. From all three levels in the house (section below), one can see the water.



Balthazar Korab photo

20 This year-round vacation house is notable for the way it merges into its site while still remaining a strong shape, and for its interior arrangement, which provides a generous complex of communal and private spaces for the owners, their guests, and their six children.

The site, which faces westward over Lake Michigan, was a small sand bowl surrounded by thickets of pine, spruce and birch trees. The house was designed to fill in the bowl and echo the profile of the landscape which sweeps up from the water's edge to the tall trees behind. While doing this, though, it also manages to evoke a host of disparate images: from the back it looks something like an old-fashioned shingled house sunk deep into the ground, and from the front

like a set of precarious ski jumps, or even, with a little imagination, like the Great Sphinx at Giza.

For all these peculiar riches, the house shows an admirable attempt to be polite to its surroundings, without being so polite that it loses its own identity.

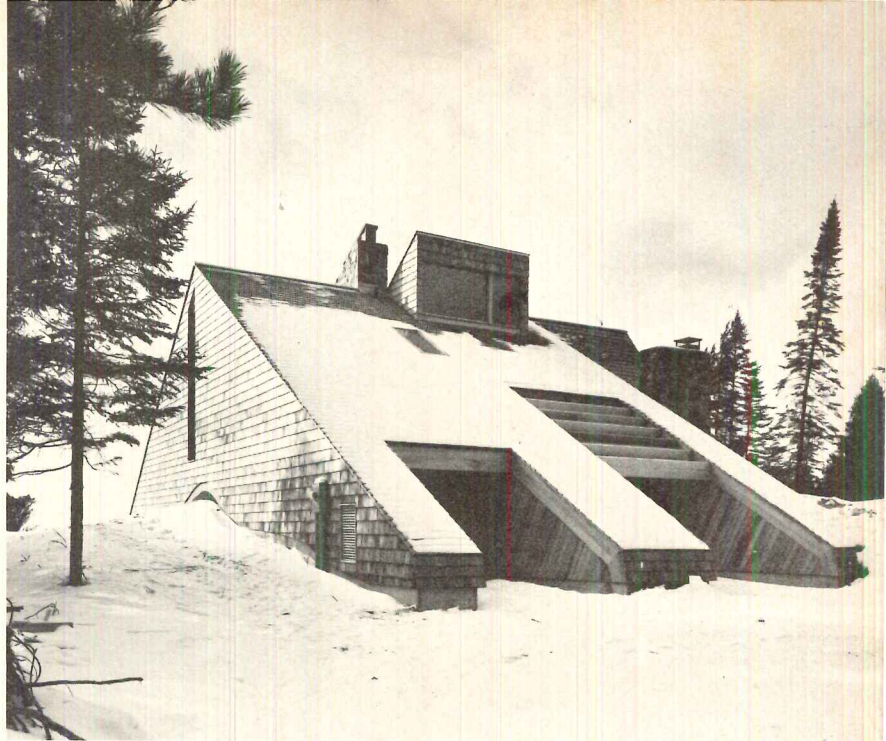
Inside, the children's bedrooms are dormitories placed on a separate floor, with their own access to the beach. Above them are the more public rooms—two living areas (again with access to the beach), a dining area and a kitchen, which is placed so that it can conveniently supply meals taken either indoors or outdoors, on the terrace or on the beach.

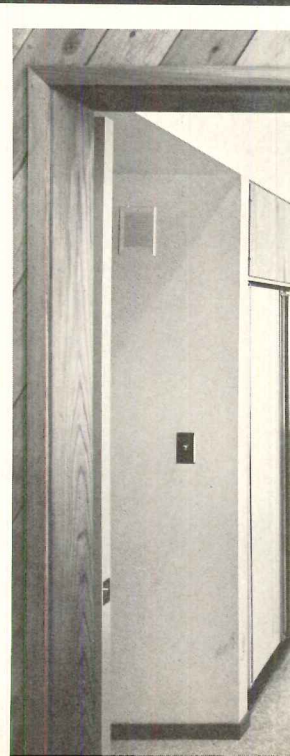
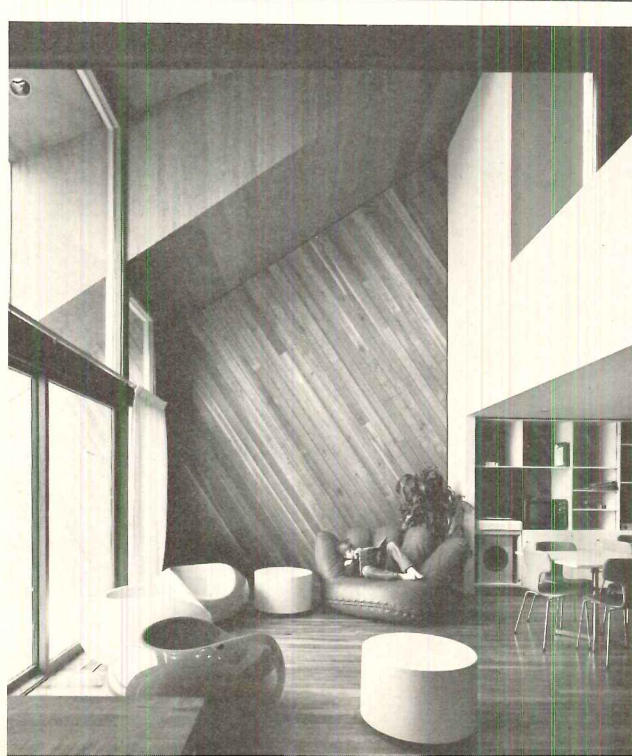
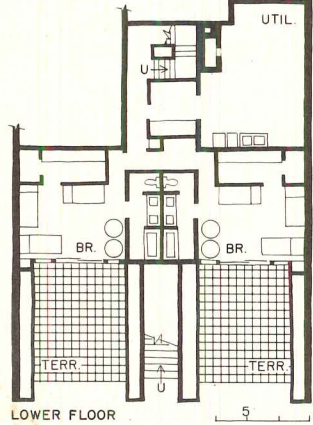
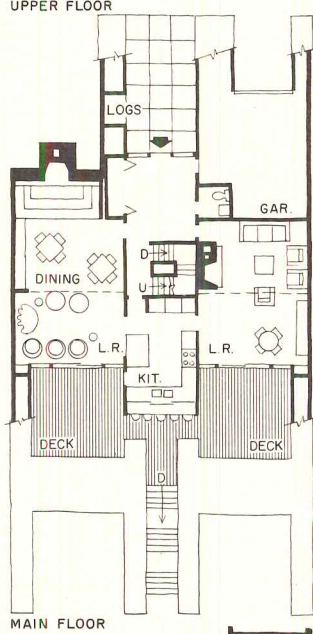
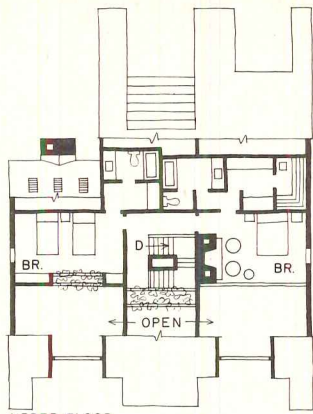
The master bedroom and guest room are both on open balconies above the main floor, though each

has its own private bath and dressing room, and the former has an uncommon luxury, a fireplace.

Because of its careful provisions for privacy in some parts, because of the placement of the kitchen which allows it to be used from a number of different directions, and because of the more open arrangement of the public spaces, the house gives its occupants many opportunities to savor the pleasures of the site and of each other's company, while also allowing them to retreat to their own special quarters.

Architects: WILLIAM KESSLER AND ASSOCIATES, *Owners:* Mr. and Mrs. Walter Briggs, III. *Location:* L'arbre Croche, Harbor Springs, Michigan. *Contractor:* Walter H. Desimpel, Co.





Living area on the left is designed
primarily for children, and, since it
opens to the kitchen (below right)
is also especially useful for dining.
Living area on the right is more
thoroughly separated from the
kitchen and becomes, when neces-
sary, a place for adults to gather,
separated from cooking activities and
from the children. Both living areas
open onto a deck above the
rooms on the lower floor and,
in part, onto the beach.



ARCHITECTS OF THE RECORD HOUSES OF 1973

Listed in order of appearance in the magazine



34 PETER L. GLUCK
2-40-30 Izumi
Suginami-ku
Tokyo 168, Japan



38 WILLIAM T. CANNADY
P.O. Box 25377
Houston, Texas



40 EARL R. FLANSBURGH of
Earl R. Flansburgh and Associates
14 Story Street
Cambridge, Massachusetts



44 PATRICIA COPLANS of
Burger & Coplans
No. 1 Fifth Avenue
Oakland, California



46 BARBARA and JULIAN NESKI
29 East 61st Street
New York, New York



50 ALAN CHIMACOFF and STEVEN PETERSON of
Chimacoff/Peterson
108 Eddy Street
Ithaca, New York



52 ROBERT BURLEY of
Robert Burley Associates
Waitsfield, Vermont



54 HUGH NEWELL JACOBSEN
1427 27th Street N.W.
Washington, D.C.



58 ROBERT COLE THEEL of
MLTW/Moore Turnbull
Pier 1½
San Francisco, California



60 HOWARD BARNSTONE
1222 Barkdull
Houston, Texas



62 DAVID ALLEN SMITH and ROGER LARSON
Smith & Larson
12 Prescott Street
Monterey, California



66 PAUL H. KRUEGER
44 Brattle Street
Cambridge, Massachusetts



68 PETER W. BEHN and LAWRENCE D. GAVIN
Behn and Gavin
1709A Delaware Street
Berkeley, California



72 RICHARD R. MOGER
132 Madison Avenue
New York, New York



74 GERALD M. McCUE and FRANK TOMSICK of
McCue Boone Tomsick
631 Clay Street
San Francisco, California



76 CLYDE C. PEARSON of
Pearson & Porter
1819 Peachtree Street N.E., Suite 101
Atlanta, Georgia



78 JAMES C. OLIVER
124 Southwest Yamhill Street
Portland, Oregon



80 JAMES G. PULLIAM of
Pulliam, Matthews & Associates
1666 West Third Street
Los Angeles, California



84 CHARLES GWATHMEY and ROBERT SIEGEL
Gwathmey Siegel Architects
154 West 57th Street
New York, New York



88 EDWARD FRANCIS of
William Kessler & Associates, Inc.
1800 Mack Avenue
Grosse Pointe, Michigan

ARCHITECTS OF THE APARTMENTS OF THE YEAR 1973



94 HOWARD J. BACKEN, ROBERT ARRIGONI and E. BRUCE ROSS of Backen, Arrigoni & Ross, 300 Broadway
San Francisco, California



98 CHARLES HARRISON PAWLEY
5700 Southwest 94th Street
Miami, Florida



100 HOWARD OXLEY and TOMMY LANDAU of
Oxley/Landau/Partners
1355 Westwood Boulevard
Los Angeles, California



102 DONALD GOODHUE and BUD EVENSON of
Hall & Goodhue
666 Camino Aguajito
Monterey, California



104 PIETRO BELLUSCHI and ROBERT C. BRANNEN
Jung/Brannen Associates, Inc. (consulting arch)
665 Boylston Street
Boston, Massachusetts



106 DONALD R. ROARK of
Donald R. Roark & Associates
311 Detroit Street
Denver, Colorado

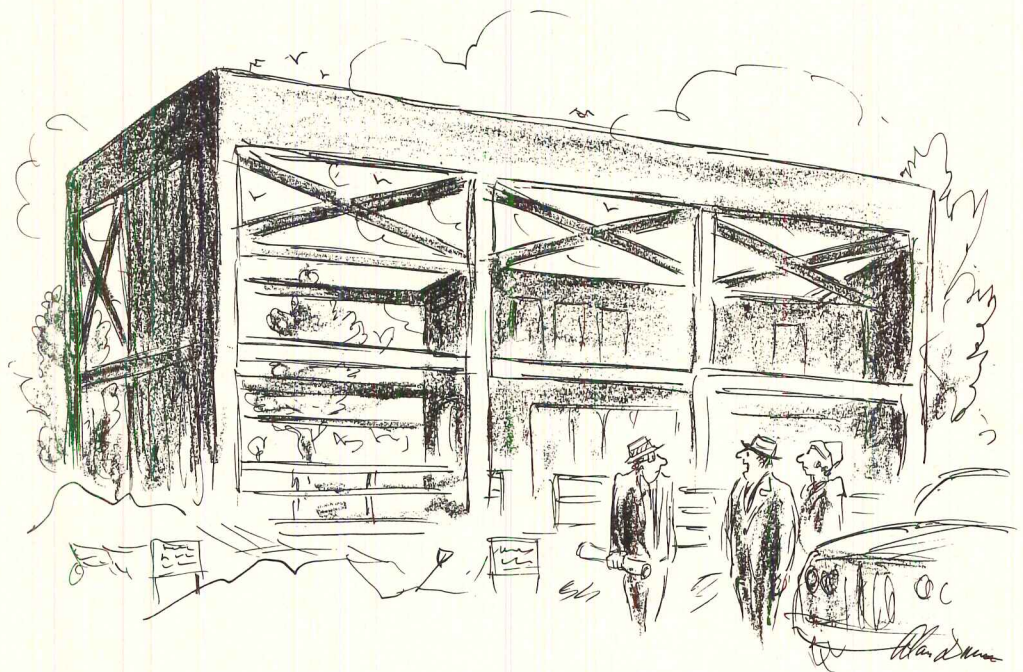


108 RICHARD C. PETERS, RICHARD M. CLAYBERG and THOMAS J. CAULFIELD of Peters and Clayberg and Associates, 370 Brannan,
San Francisco, California



110 STANLEY M. BRENT, RONALD GOLDMAN, LARRY ROBBINS and ROGER BOWN of
Brent Goldman Robbins & Bown
10960 Santa Monica Boulevard
West Los Angeles, California

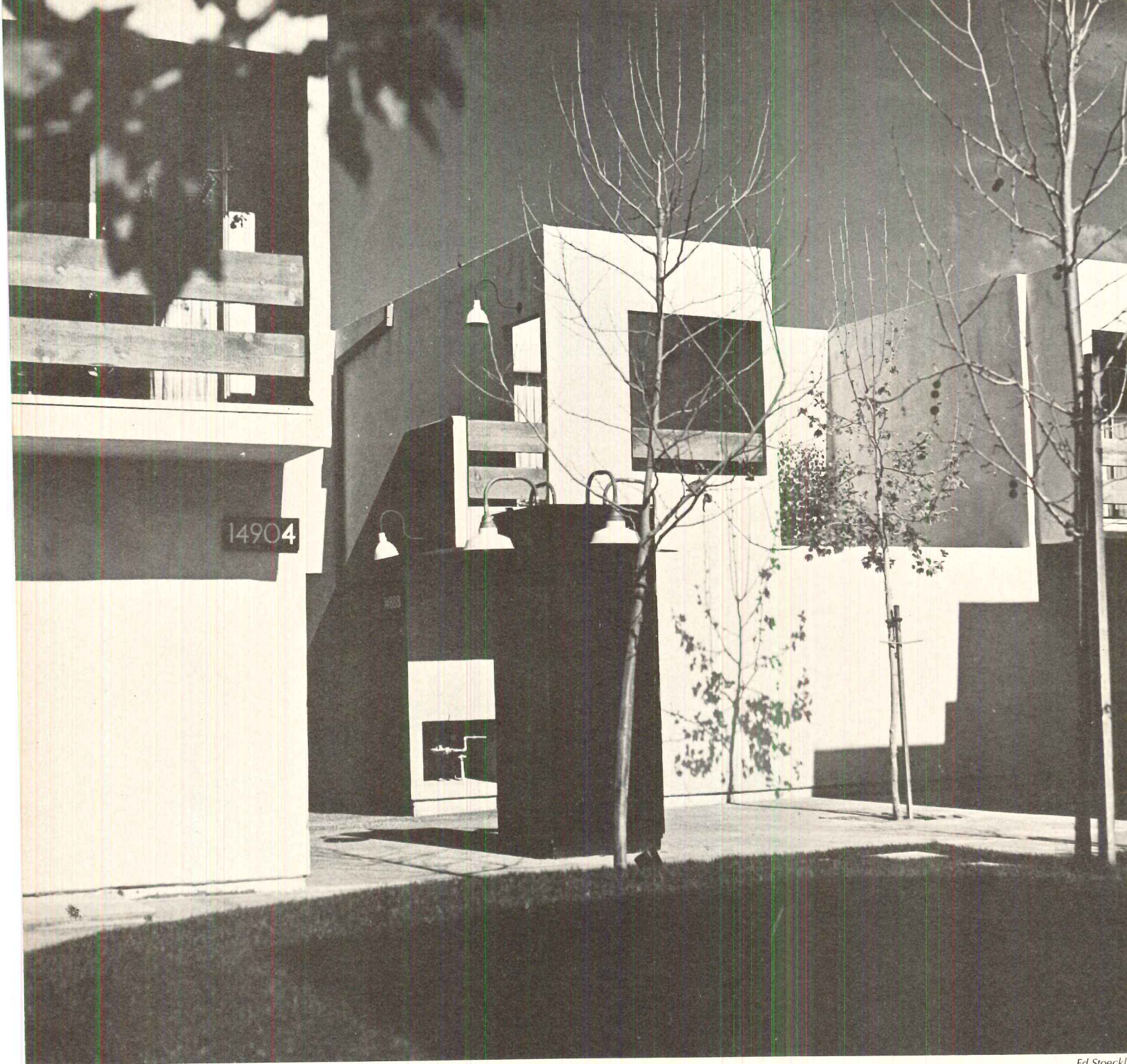
1973



in for ARCHITECTURAL RECORD by Alan Dunn

"Does the meaningful space come out of the budget?"

APARTMENTS OF THE YEAR



Ed Stoeckl

7 Working with a construction budget of approximately \$12,000 per unit, architects Backen, Arrigoni & Ross have produced this exceptional 296 unit residential community in southern California. The units were designed for rental to young professionals in the age group between 21-35 and recreational facilities appropriate to this group were also provided.

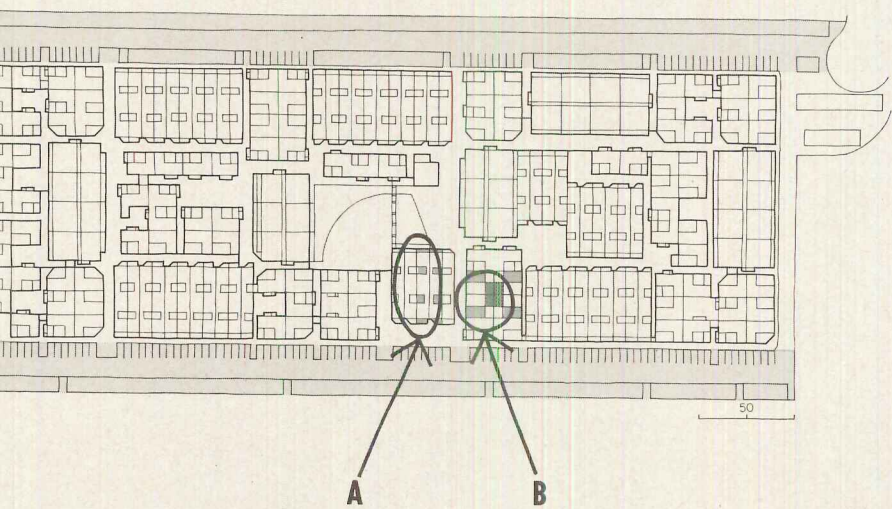
The architects developed the site as a continuous structure (see site plan) out of which a rich variety of outdoor spaces—public and private—were carefully carved. By restricting cars to two peripheral bands, the interior of the site has become an inviting pedestrian network of walkways and courtyards,

all beautifully scaled and sympathetically detailed using lighting fixtures, gutters and downspouts, paving and plants. The housing is constructed of conventional wood frame finished in textured stucco and boldly accented in a variety of bright warm colors.

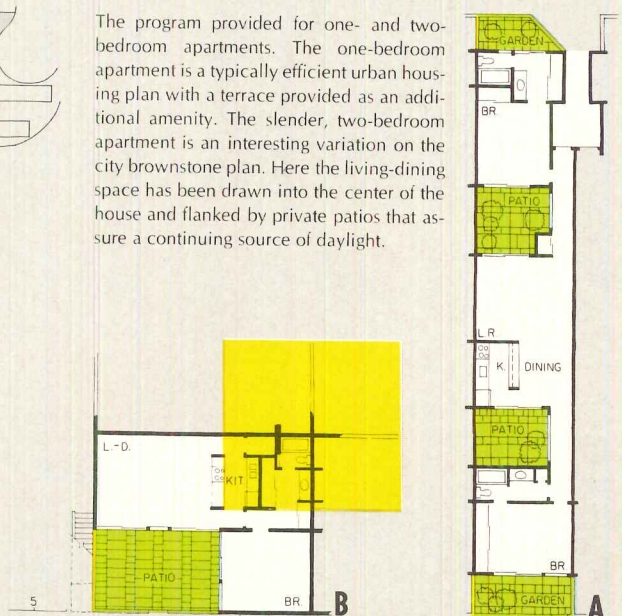
The one- and two-bedroom apartments are functionally laid out and provided with more than the ordinary number of amenities. But the great strength of the design is the richness and variety of its internal spaces. They move in and out, open to invite entry or close to redirect or gently exclude. In some, the feeling of enclosure is forceful. Others are thrown wide open to the sky. All are textured and handsomely planted.

What the architects have also achieved is a clear sense of community at the village scale. The physical elements are repeated in variations without monotony and they seem to flow together in a united and stimulating composition. This is a place that excites the imagination. This is a place that delights the senses.

Architects: BACKEN, ARRIGONI & ROSS, INC. Owner and Developer: Leadership Housing Corporation. Location: Tustin, California. Structural engineers: J. S. Papp & Associates. Landscaping: POD Landscape Architects. Interior designer: Judy Rock. Contractor: Leadership Housing Systems, Inc.



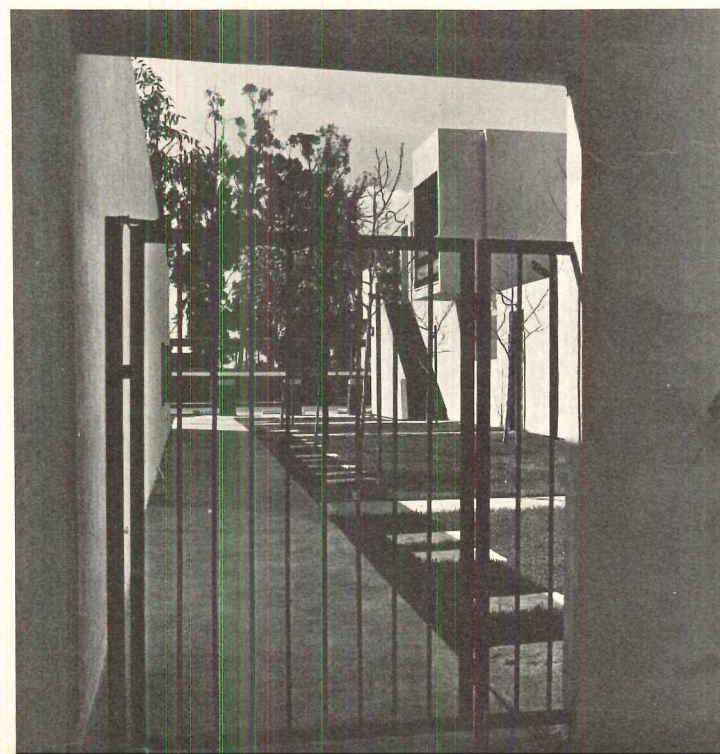
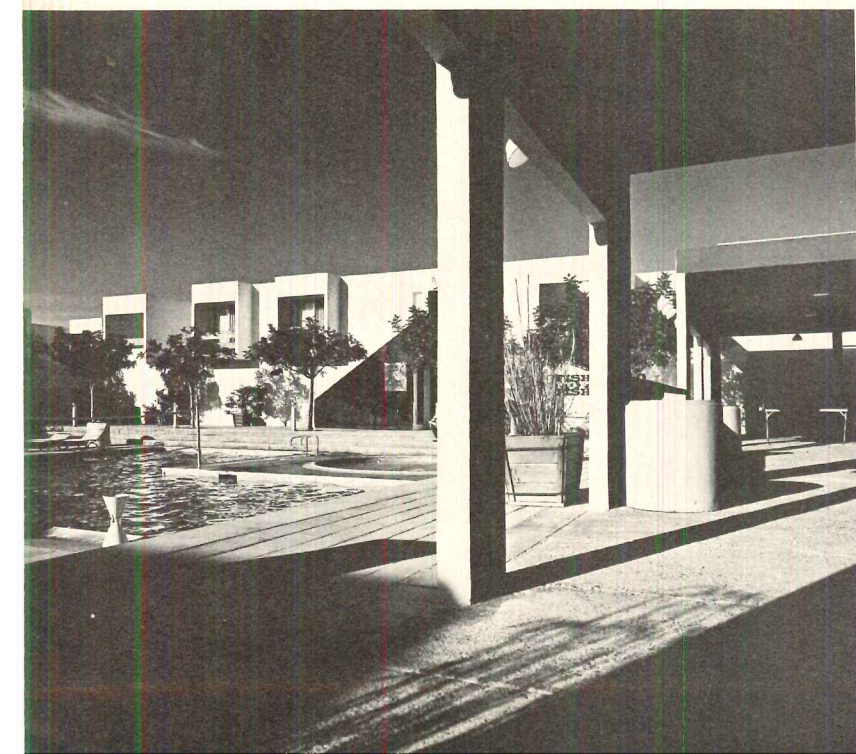
The program provided for one- and two-bedroom apartments. The one-bedroom apartment is a typically efficient urban housing plan with a terrace provided as an additional amenity. The slender, two-bedroom apartment is an interesting variation on the city brownstone plan. Here the living-dining space has been drawn into the center of the house and flanked by private patios that assure a continuing source of daylight.





Like the exteriors, the interiors are conceived and executed as simple planar forms in and about which space flows rather freely. The chief finish materials are painted gypsum board on interior partitions and ceilings, vinyl asbestos tile and/or carpeting on floors, ash for wood doors and cabinets and plastic

laminates for kitchen counters. Sliding window assemblies are aluminium sash. Interior colors are full-blooded and warm but never overwhelm the interior architecture or get in the way of its easy and interesting spatial flow. All apartment units make more than adequate provision for ventilation.







Julius Shulman photo

3 Fifteen miles north of San Diego, on 70-foot high coastal cliffs overlooking the Pacific, architects Oxley/Landau/Partners have designed a dramatically sited condominium community of 51 single-family units. The residential density is approximately 17 units per acre which leaves a striking 74 per cent of the available land open—a desirable feature for residents of this particularly benign climate. The architects also created an underground parking structure that not only stores cars out of sight but raises the central portion of the site to provide overviews in every direction—especially toward the west and the ocean.

The apartments are upper and lower flats as well as duplexes and most have front and back patios on

grade or terraces above. The massing of the units, and their color and texture are the result of a thoughtful effort to complement the cliff edge site. All the buildings are clad with restraint in natural cedar shingles which gives the entire project a welcome homogeneity and keeps its highly sculptural character from becoming all together too much of a good thing.

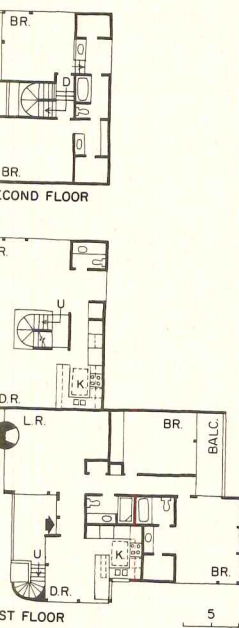
The interiors are thoughtfully planned and generously proportioned. The flats are over 1400 square feet; the duplex apartments are more than 1600. Ceiling height in many living rooms is 10 feet and double height entry areas are skylighted. Upper level spaces have sloped ceilings and exposed wood beams.

From beginning to end, the ar-

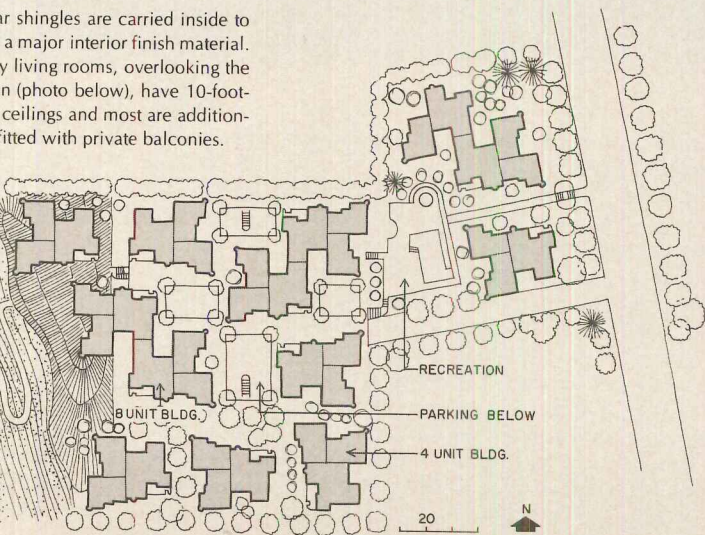
chitects and owners have striven with considerable success to preserve the quality of the site and retain as much natural planting as possible. Where new plant materials have been added, the additions have been made with sensitivity and skill. The whole project has the pleasant flavor of care and concern.

Architects: OXLEY / LANDAU / PARTNERS. *developer and owner:* Westward Construction Corporation. *Location:* Solana Beach, California. *Engineers:* Rick Engineering Company; *consultants:* Joseph Kinoshita & Associates. *Landscape architects:* Fong, Jung, Preston and Nakaba Associates. *Interior designers:* Environs Unlimited. *Contractor:* Westward Construction Corporation.

The meandering shapes of the buildings and their careful juxtaposition result in a variety of large and small courts. Every unit has at least 100 square feet of private outdoor living space.



Shingle shingles are carried inside to be used as a major interior finish material. Living rooms, overlooking the ocean (photo below), have 10-foot ceilings and most are additionally fitted with private balconies.





All the apartment units in this housing development are sited on flat meadowland and open toward views of the nearby Sisters' Peaks. The random, jagged shed roof vocabulary, with its visual discontinuities, seems especially appropriate response to the meadowland site and its mountainous surroundings.



Morley Baer

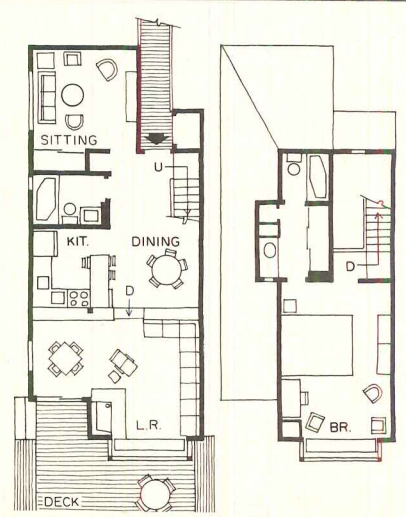
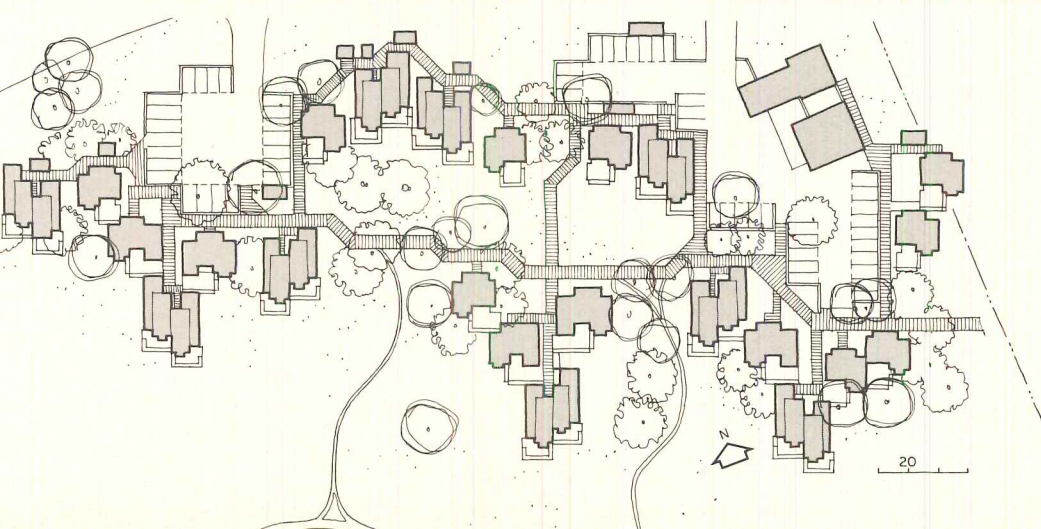
4 The Country House Condominiums form a small recreational/second-home community at the foot of the Cascades in central Oregon. The buildings are situated on a meadow and grouped around a tall stand of Ponderosa Pine that has been used by architect Donald Goodhue as a unifying design device. "The important thing we were trying to do here," says Goodhue, "was to give expression to the 'colony' idea—a group sharing a special place together, forming one discrete entity rather than simply a row of condominiums lined up against the spec-

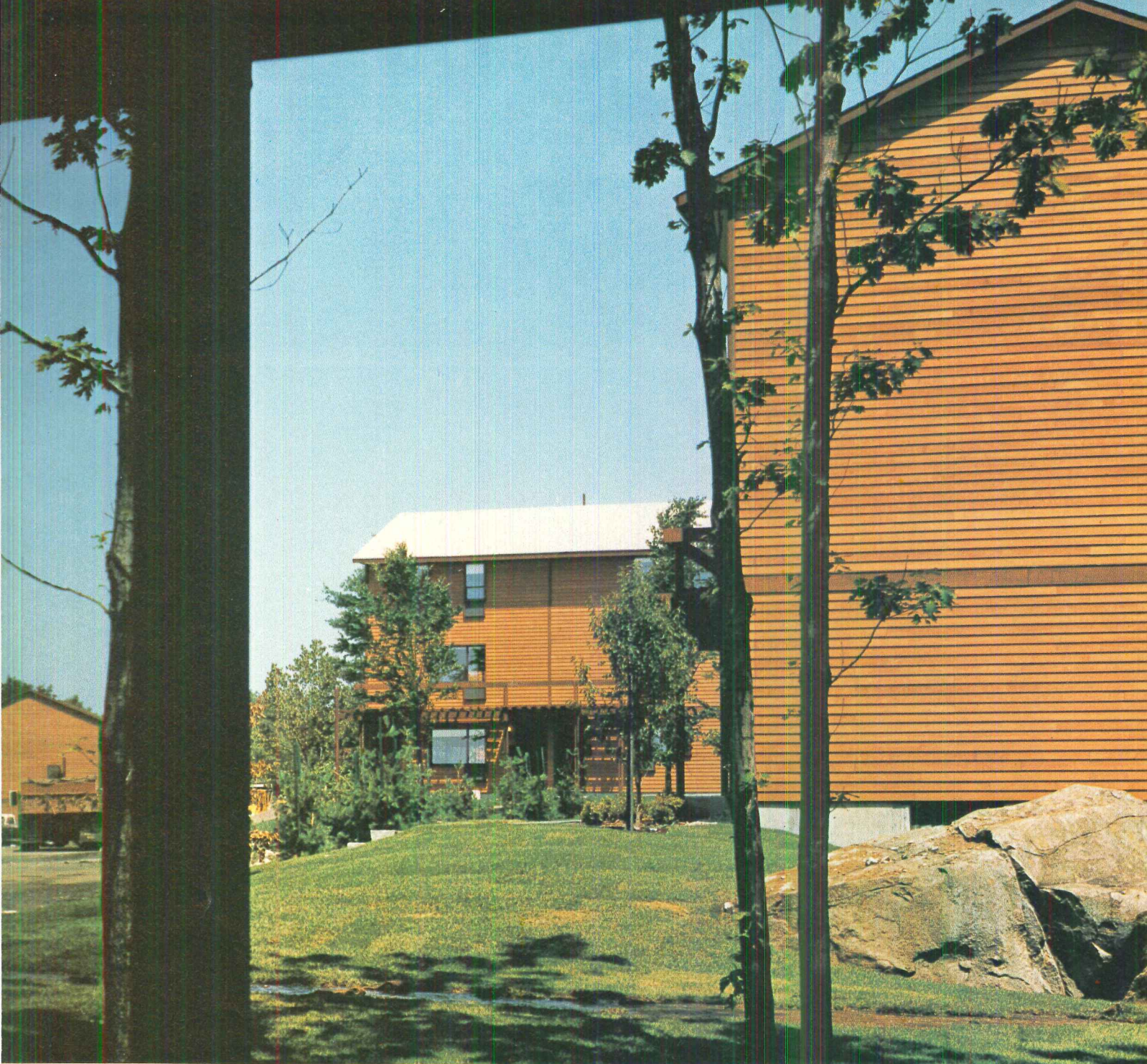
tacular view. (See photos at right). The site plan gives special attention to pedestrian linkages between individual units and common spaces. The boardwalks are a means of controlling pedestrian circulation while protecting the privacy of the near units. They serve a social function as well by providing a setting for random and unplanned daily encounters between members of the community—a function that would be lost if circulation was more diffuse. Parking is contained within enclosed spaces and automobiles therefore provide

a minimum danger or distraction to pedestrians. Individual apartment units are conventional wood frame with pine exterior and interior finishes. Their careful grouping takes advantage of the view while it provides a number of small-scale, private outdoor spaces that double as suntraps and windbreaks. Each unit is designed with a projecting bay window enclosed by a small-pane steel sash—a design gesture in sympathy with local building traditions. The interiors are planned as flexible spaces adaptable to a variety of prefer-

ences in the matter of furnishing and functions. Almost all units have generous allocations of space for summer recreation and especially for youthful activities.

Architect: DONALD GOODHUE and Hall and Goodhue (Bud Hall, project designer). *Owner:* Brooks Resources Corporation. *Construction:* Central Oregon. *Engineer:* Howard Carter (structural); Richard Lee (mechanical and electrical). *Space planner:* George Schwab. *Interior design:* Tom Dear. *Contractor:* Keeton-King.





Gorchev and Gorchev p

5 The buildings of this housing complex in a town near Boston were not chosen for this issue to represent a new or innovative approach to housing. Rather, to show a common approach extremely well done. Working within the limits and budget restrictions of the FHA 236 program for low- and moderate-income housing, the architects have produced a group of carefully detailed structures that relate sympathetically to the landscape.

Utilizing the rich potential of the site, the units were turned inward toward small courtyards in which existing topography and large evergreens and hardwood trees were retained wherever possible. Indeed, even during the excavations, adjustments were made to preserve trees and boulders.

The buildings themselves are three-story wood frame structures

with cedar siding stained a rich reddish-brown color. Openings for the aluminum window units with insulating glass are trimmed with 1 by 4 redwood boards perpendicular to the building face. These were stained dark brown and give a precision to the facades that belies their simple construction. A lattice along the first floor of the units as they face into the small courtyards (right) gives an appropriate scale.

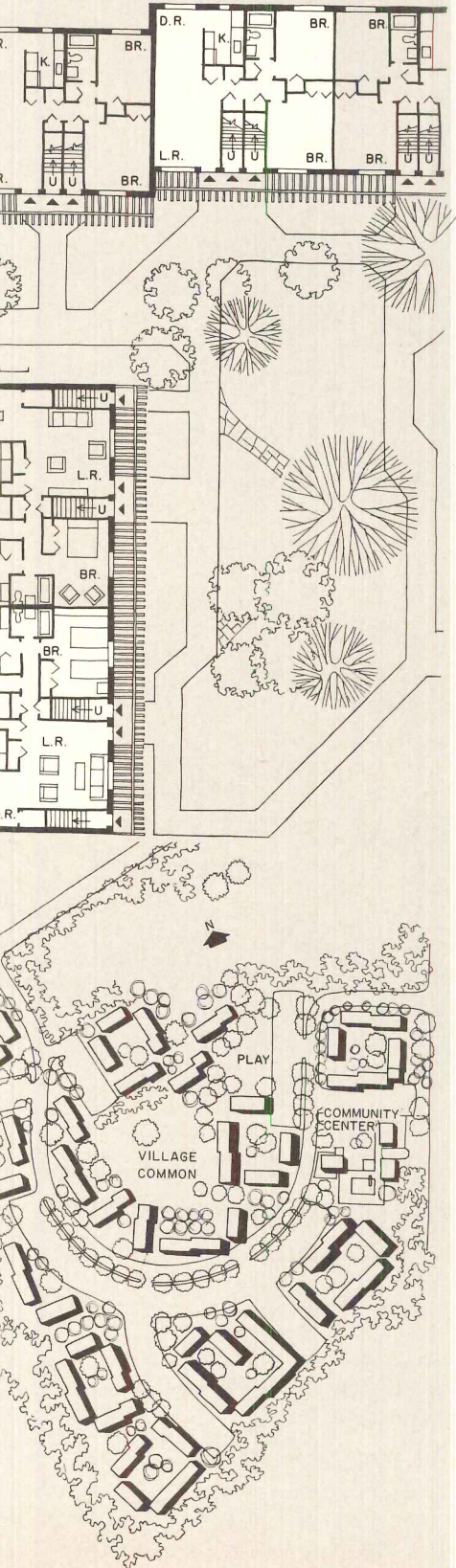
The interior arrangements place two- and three-bedroom flats on the first floor. Duplex apartments are above with bedrooms on the third floor. Each unit has its own entrance from the courtyard and the first-floor apartments have a door to grade from the dining room.

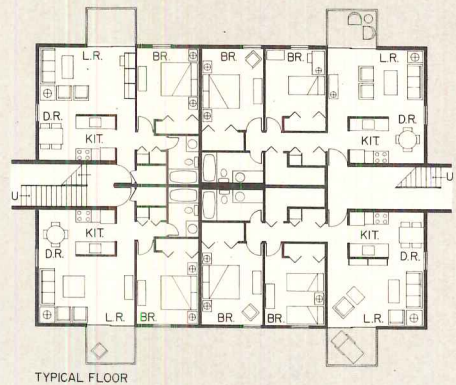
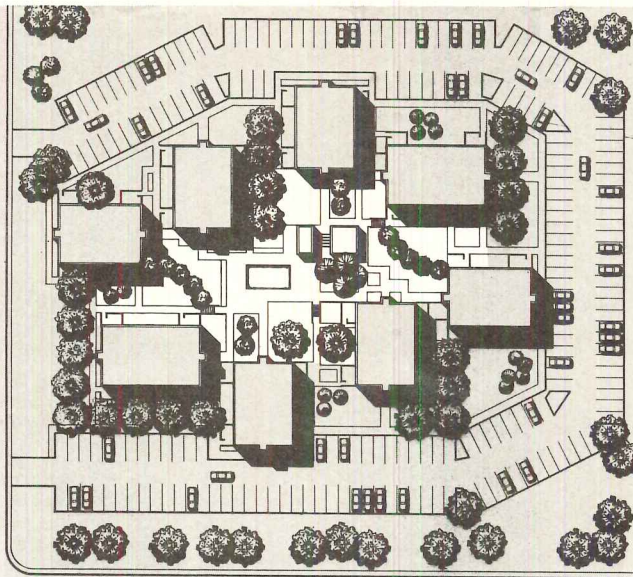
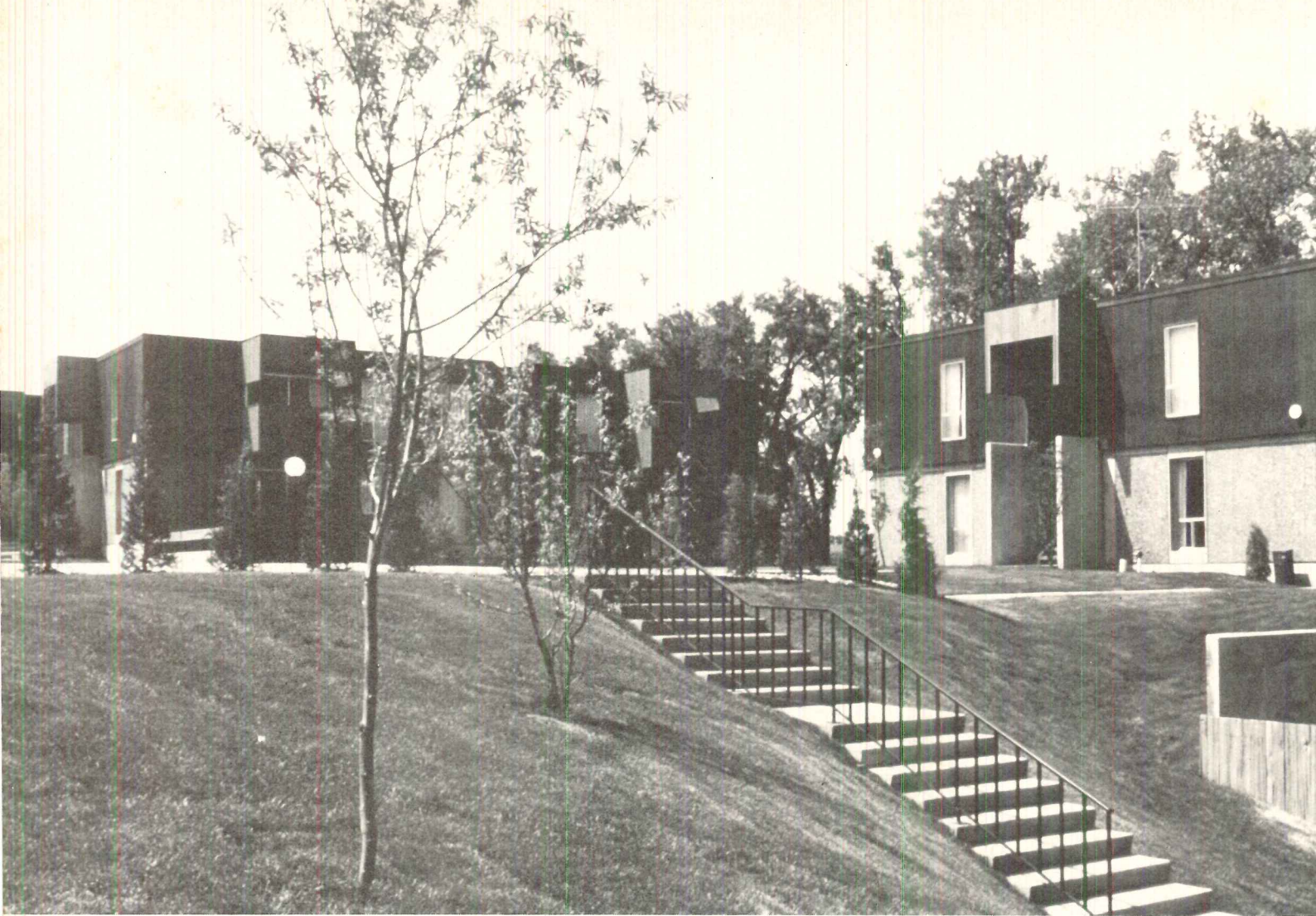
"While designing this project," says Robert Brannen, "we lived with the conviction that a humane, civilized environment must

be possible within the constraints imposed by subsidized housing budgets and standards. A knowledgeable, well-intentioned client, a public agency (Massachusetts Housing Finance Association) which never "looked the other way," and a design team willing to spend the time required were the combination that did the job."

Architects: THE OFFICE OF SAMUEL PAUL. *Consulting architects:* Pietro Belluschi and Jung/Brannen Associates, Inc. *Developer-builder:* Beacon Construction Co., Inc. *Location:* near Boston. *Engineers:* Benjamin H. Silberstein (*mechanical*); Goodall Shapiro (*electrical*); Homer K. Dodge Associates (*site*). *Landscape architect:* Joseph Gangemi. *Landscape consultant:* Carol R. Johnson and Associates.

Three-story wood frame buildings are arranged around courtyards gently set into the rugged New England landscape. Each courtyard (below right) acts as a small neighborhood for small-scale interaction and opens in turn to the "village common," larger play areas and a community center using three existing older houses. The complex includes a large swimming pool, a child-care facility and an adult activities building. It serves 404 units which have an average density of 25 units per acre.





Neil Reynolds p

6 FHA-insured housing projects are bedeviled by so many economic and technical constraints that it often seems sufficient to praise them for getting built at all. The architects of this apartment complex are understandably proud of the fact that they have been able to build 96 units (half of them with one bedroom, half with two) within FHA 221d4 guidelines and with extraordinary economy. They are rightly proud, too, of the individual and social amenities that they have been able to include.

One side of the site for the

apartments is adjacent to open farmland, though partially separated from it by a row of mature trees, which fortunately were able to be saved. On the other sides it borders on a neighborhood of single-family houses, and the architects were anxious to maintain their scale.

Accordingly, the facades of the three-story buildings are broken up by changes in material and by patios and balconies that, like the details of the neighboring houses, suggest the ways that people really live. Also in a gesture of good

neighborliness the parking lot and its sea of cars was depressed below the existing grade level.

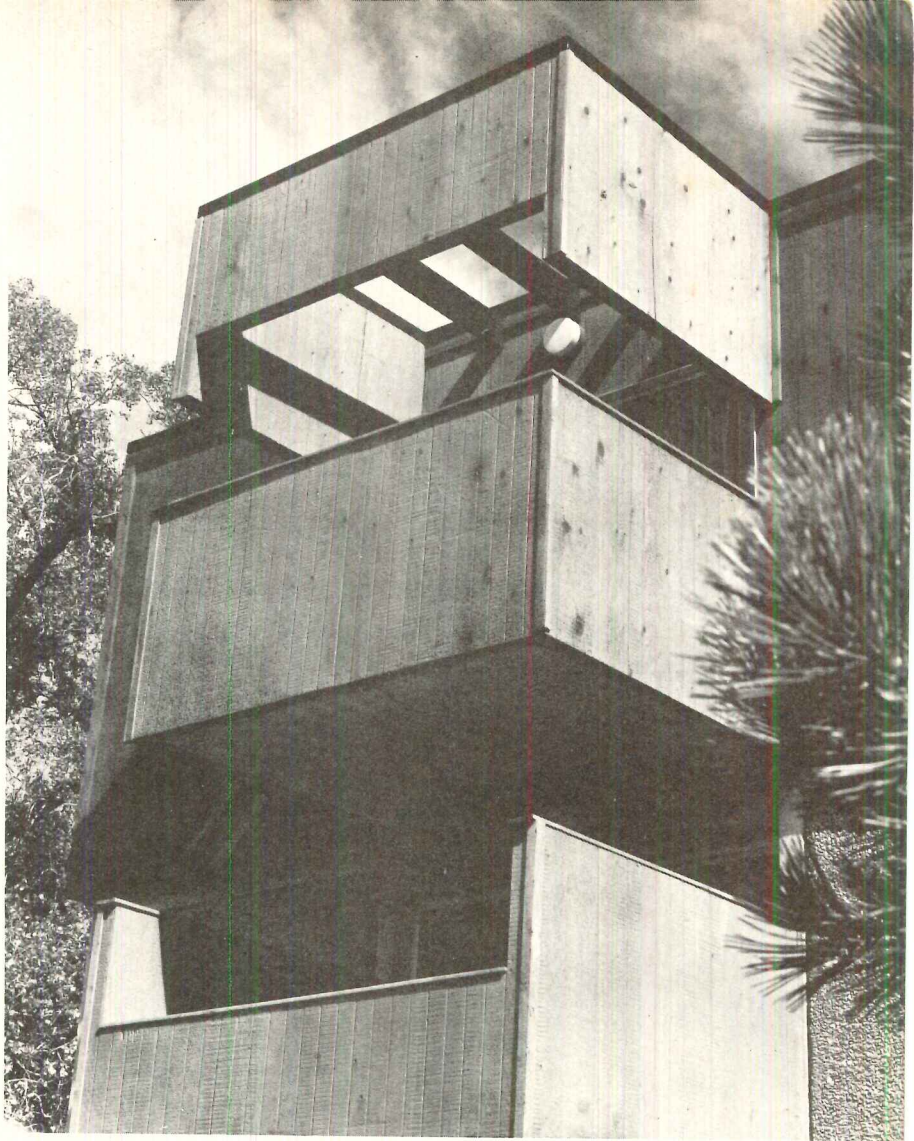
The first two stories of each building are made of precast concrete sections—readily available in the area. The third floors are all of conventional wood framing. Though it was necessary to have many apartments in each building, the architects managed to avoid any sense of claustrophobia or dangerously enforced community by dividing the buildings down the middle and by making entryways, either at grade or by open stairways.

At first glance these apartments make only a modest impression. The architects clearly had their hearts in the right place, on closer inspection, this is like a good place to live—and reports is so—within constraints that often are not met effectively.

Architects: ROARK ASSOCIATES
 Owner: The Franklin Corporation
 Location: Greeley, Colorado
 Engineers: Johnson-Voiland-Architects and Sol Flax Associates. General contractor: City Builders, Inc.



The eight buildings which make up this apartment complex are placed within a peripheral parking area, and they surround a central open space, a place for relaxation and recreation, which for many months of the year in these climes includes swimming. The open space is slightly elevated in order both to shield it from the parking places and to provide a view of the Rocky Mountains in the distance. Balconies and patios open onto the central area and give the occupants of each apartment the chance to survey the passing pedestrian scene.





Alan Stiles p

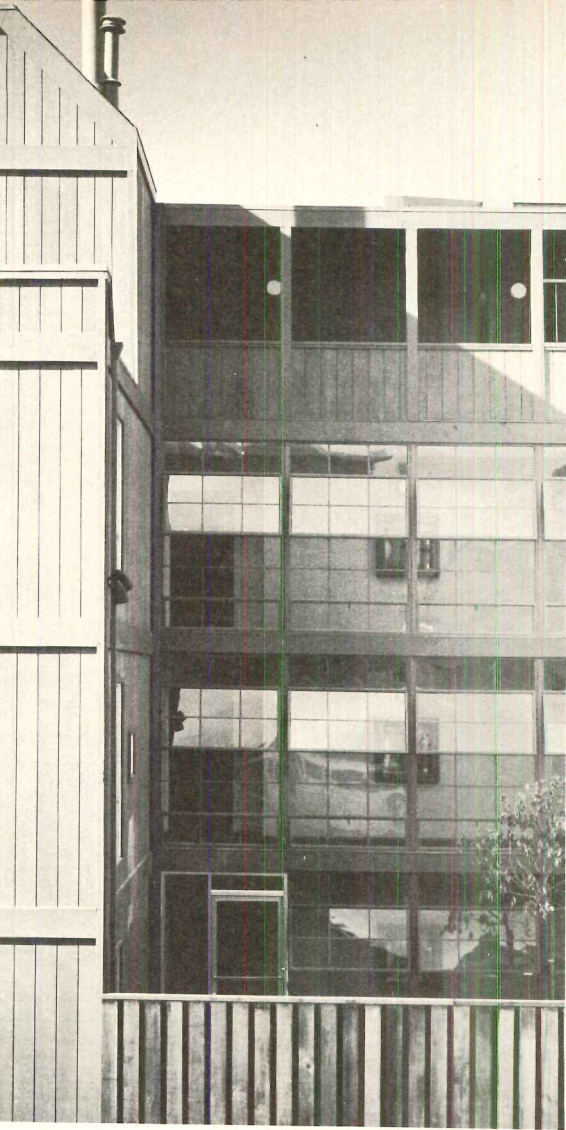
7 Few of the small apartment buildings built on left-over lots in every American city recently can be considered architectural contributions to their neighborhoods. Peters and Clayberg and Associates of San Francisco were most successful, while satisfying their developer/client's goals of rentability and low construction cost, in relating their design to the scale of the tree-lined street. The 17-unit-building is in an area of Oakland that, because of its proximity to the downtown and to major traffic arteries, is rapidly changing from single- to multi-family housing. Another of the site's advantages is access to views of San Francisco and the Bay as well as of downtown Oakland. Thus, almost all of the apartments have their balconies and bay windows oriented toward them. In addition, a small court at

the rear of the site offers the possibility of cross-ventilation for many of the units. Seven of them also have wood-burning fireplaces.

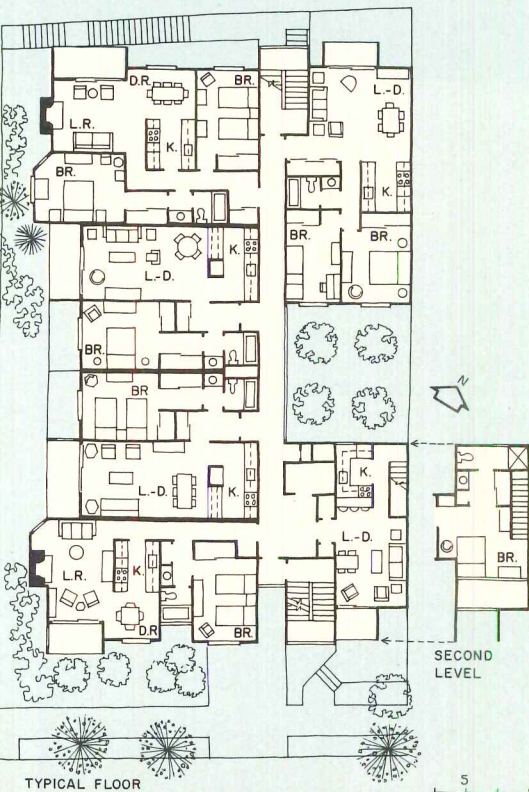
Perhaps the most interesting aspect of the building is its structure. A ground level garage of concrete and concrete block, which takes care of all off-street parking requirements, supports the three stories and penthouse of wood frame construction above. Adequate protection against fire was necessary of course. A heavy-duty water line with valves on the landings of the open stairwells (above) and fire extinguishers in the glazed corridor (above right) are two types easily seen. The most obvious expression of the lightweight construction is the redwood plywood siding. It was chosen, say the architects, not just because it compared favorably in cost with the stucco so

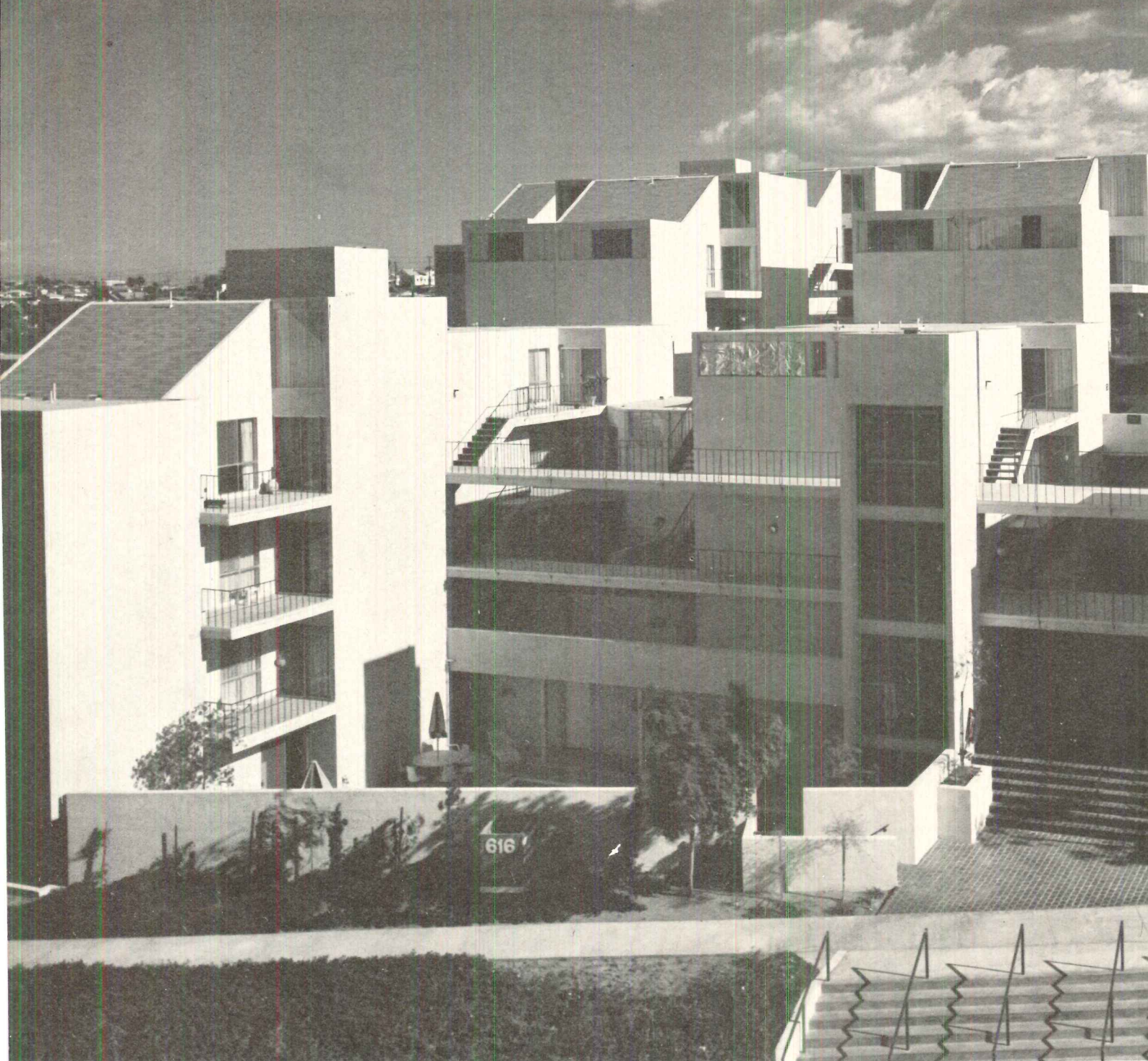
often used for such buildings in California, but because it complemented the mature trees nearby. It is finished with a semi-transparent stain that contrasts with the darker-stained horizontal and vertical trim. The plywood is used in the lobby (right) for a wall sculpture of numbers including the building's address, which was executed by the architects themselves. The lobby is entered, as is the garage, adjacent to the open stairwell (above). The cost of the building was \$263,000 or \$15,500 per unit, not including land or fees.

Architects: TOM CAULFIELD of Peters and Clayberg and Associates. *Owner and builder:* Barry S. Slatt. *Location:* Oakland, California. *Engineer:* Robert Vandembosch. *Landscape architects and interior designers:* Peters and Clayberg and Associates.



The 17-unit building nestles onto a slightly sloping lot of less than 7000 sq. ft. Access to most of the apartments is along a corridor glazed with steel industrial sash painted red-orange (above). They look into a small inner court which provides cross-ventilation for some of the units. Each apartment has a balcony, most of which take advantage of interesting views across San Francisco Bay.





Chuck Crandall p

8

Esplanade Village steps down a 1.2-acre suburban site near Redondo Beach, California to form an unusually handsome 105-unit rental community overlooking the ocean. Careful planning and massing has resulted in an orderly plan with eight apartment variations: 20 per cent efficiencies, 40 per cent one-bedroom, 20 per cent two bedroom. A maximum number are oriented toward the ocean but all have views and the privacy of individual units has been maintained with considerable care.

The massing seeks to emphasize the repetitive character of the system while investing the whole project with a pleasant village

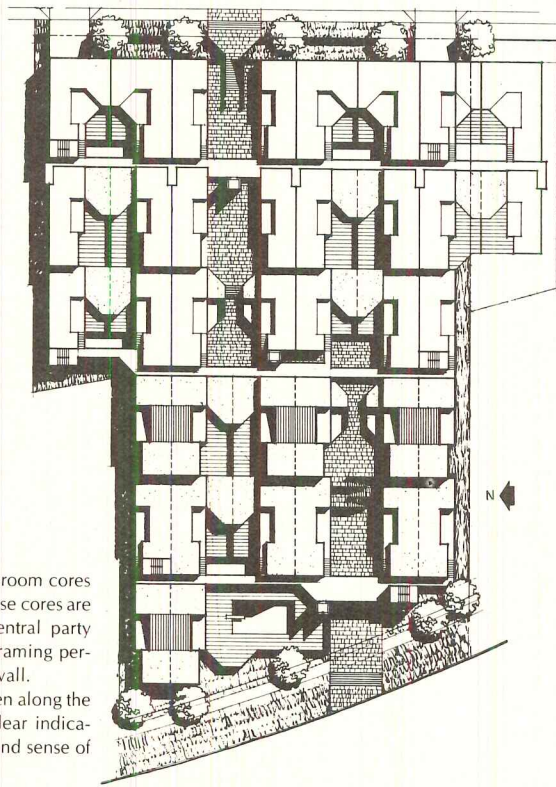
character and scale. Grade circulation is through a sequence of small courts—or an esplanade—with lateral circulation on bridges overhead. Shared facilities include a pool, a recreation room on the downhill side of the project, and a two-level subterranean garage.

The rental market in the area dictated the use of a three-story wood frame construction (Type V) with a one-hour fire rating. Exterior walls have a sprayed-on plaster finish, patios and open corridors are fitted with metal railings and sloped roofs are finished in asphalt shingle. Standard components and details are employed throughout.

But in spite of the simple con-

struction, the rigorous ordering of forms and the fairly substantial densities, Esplanade Village has a very inviting character. Part of it results from the openness of stairs and corridors and the outdoor lifestyle these elements infer. More of it, perhaps, is due to the careful siting and massing that create, in the mind of resident and passerby alike, an important sense of place and also of community.

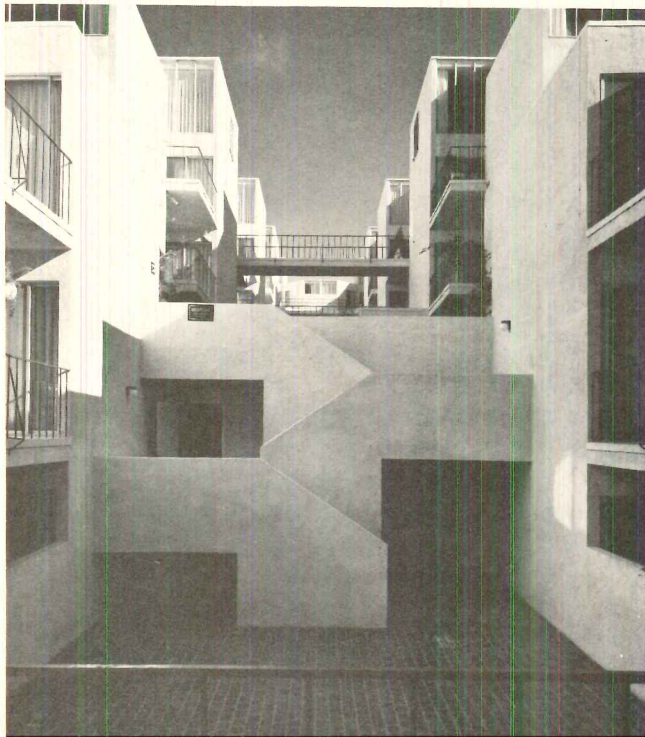
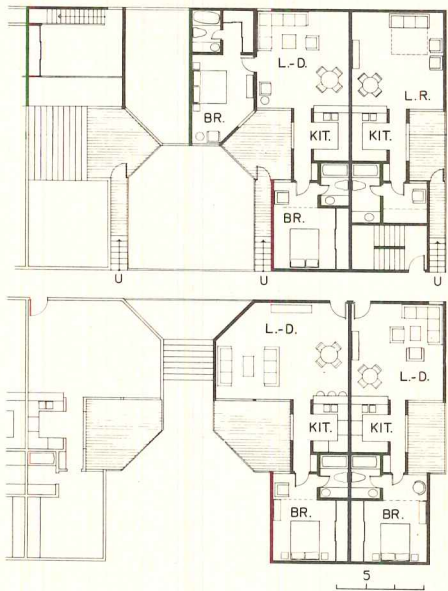
Architects: BRENT, GOLDMAN ROBBINS & BOWN—Dean Bell project architect. *Owner:* Esplanade Village Ltd. *Location:* Redondo Beach, California. *Structural engineers:* Ismail & Wagner. *Contractor:* Alter Building Co.



Similar kitchen and bathroom cores are used throughout. These cores are backed up against a central party wall with all structural framing perpendicular to the party wall.

Views at left are taken along the esplanade and give a clear indication of character, scale and sense of partial enclosure.





The site is bounded on two sides by public roads and dips twenty-five feet between roads. The project is designed to be expansible as adjacent 40-foot lots become available. At present, Esplanade Village includes 82,000 square feet of net rental area at densities of approximately 89 units per acre.

Our beautiful Designer Line™ works beautifully, too.

Our new Designer Line tub and integral wall surround has one thing no one else can duplicate . . . our name. And when Mr. & Mrs. Home Buyer meet fiberglass reinforced polyester for the first time, that's important!

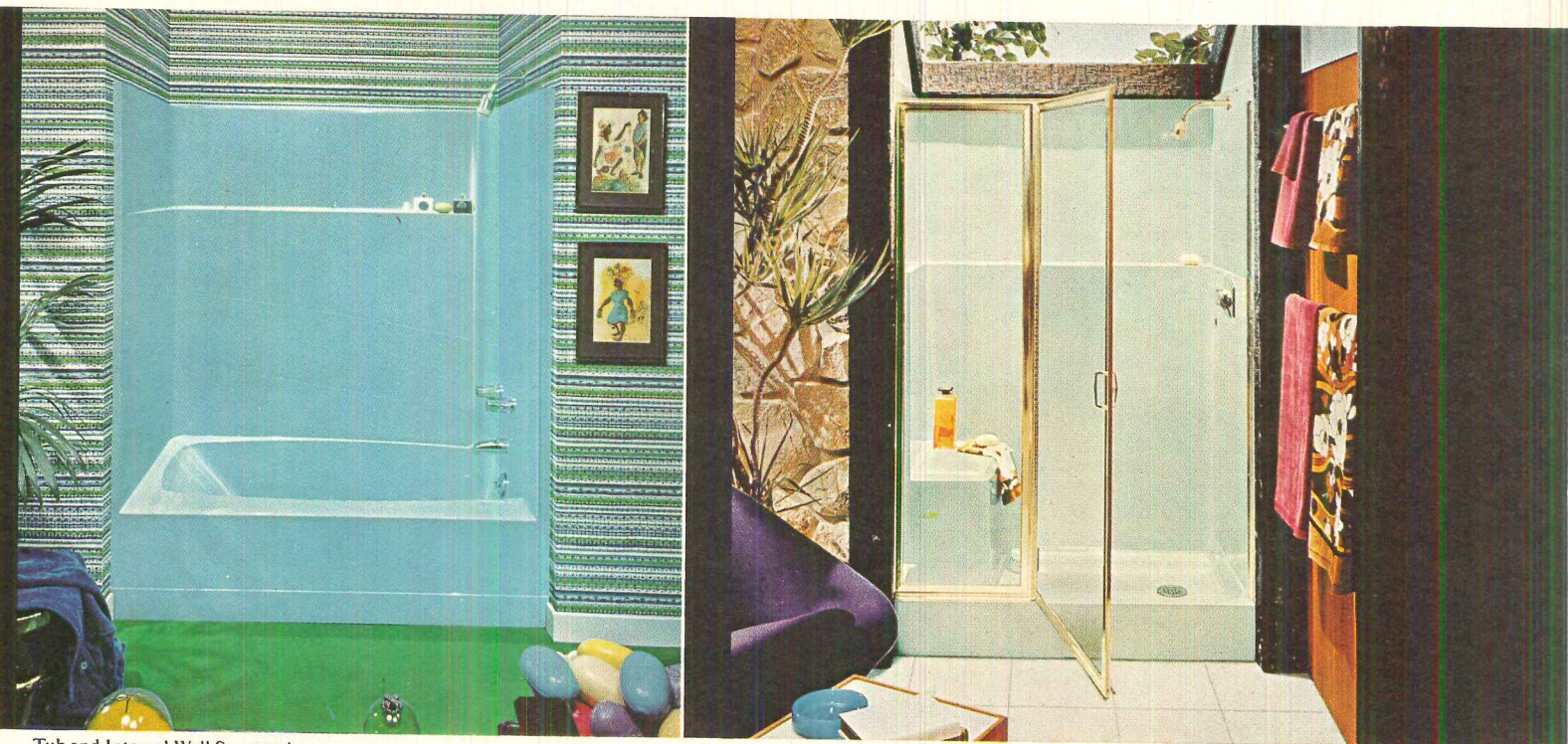
Naturally they're attracted by the crisp modern styling and warm-to-the-touch properties of American-Standard FRP. (Just as you'll like its easy-to-handle, easy-to-install ways.)

And home buyers are happy to see there is no mildew and dirt-collecting grout. (As you'll be glad it's repairable in place and NAHB tested and certified.)

But just as important are the seat-wide front apron, shoulder-high accessory shelf and figure-fitting backrest – considerate features generations of homebuyers have come to expect from people who make solving bathroom problems their full time business.

For any further information, please write to American-Standard, Plumbing/Heating, P.O. Box 2003, New Brunswick, New Jersey 08903.

We've been leading up to this for over 100 years.



Tub and Integral Wall Surround

Deluxe Recessed Shower

 **AMERICAN
STANDARD**

For beautiful fixtures that work beautifully.

For more data, circle 25 on inquiry card



Now, from Masonite Corporation for garage doors...

Bold New Beauty

The big expanse of garage doors no longer need be the most unattractive part of the house. They no longer need to be ornamented or disguised. The day of the ugly garage door has just ended.

Now you can specify garage doors in bold, beautiful, embossed, natural textures—Dortex and Ruff-Sawn from Masonite Corporation. These two richly embossed hardboard door faces are now available from selected, quality garage door suppliers. Ready for you to finish. Stained, painted or antiqued (they take any finish) you will find them beautifully compatible with many of today's sidings—particularly Ruf-x and Woodsman—also from Masonite Corporation.

New Dortex has the look and feel of paneled wood planks (though it's actually made in large panels). The highly individualistic grain texture, embossed into the facing is that of a natural wood surface and because the texture is *in* not simply *on* the surface, it won't scratch off.

Each plank in a Ruff-Sawn door shares the rustic deep-fissured charm of rough-sawn wood.

Unlike natural wood, embossed hardboard won't split or splinter. Nor will it check. Hardboard has high dimensional stability and great structural strength. (It is 50% again as dense as wood.)

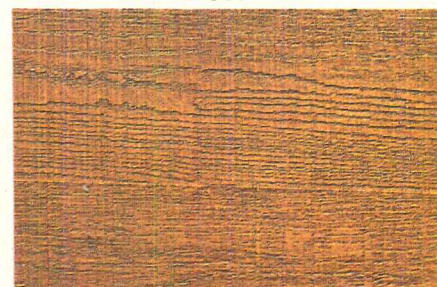
Dortex is available on 9', 16' and 18' panel sizes to fit most standard doors. Ruff-Sawn also comes in these lengths. And (thanks to its continuous pattern) Ruff-Sawn is also available in in-between lengths.

For the name of the garage door manufacturer nearest you, from whom Dortex and Ruff-Sawn are available, write to: Masonite Corporation, 29 North Wacker Drive, Chicago, Illinois 60606.

*Masonite and Dortex are registered trademarks of Masonite Corporation.



DORTEX*



RUFF-SAWN



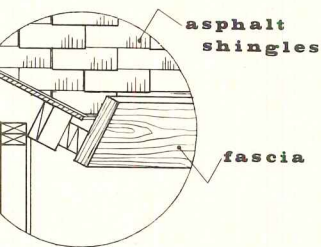
For more data, circle 26 on inquiry card

For more information circle selected item numbers on Reader Service Inquiry card, pages 139-140

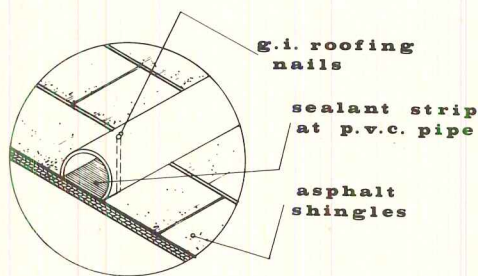


OF DESIGNS USING ASPHALT SHINGLES / Shown here are two of the several new designs developed by the company to use asphalt shingles dramatically. Above is the flat fascia design that emphasizes the mass of the roof plane. It is simply achieved by using 2 by 12 in. sections, projected slightly on the roof with wood blocks (see detail below). This frames the asphalt roof and also permits water to drain. Similar roofing techniques can be used to box in gutters, for example. The oriental pattern shown at the bottom uses halved pvc pipe spaced across the roof on center (see details at right). A graphics approach not shown uses different colored shingles to counteract the one-dimensionality of the roof, where desired. ■ Certain-teed Products, Valley Forge, Pa.

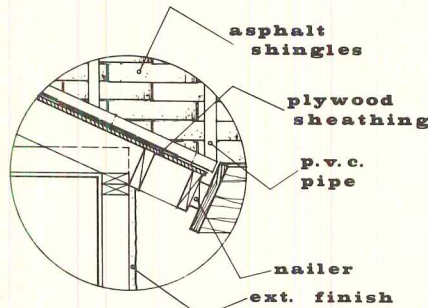
Circle 300 on inquiry card



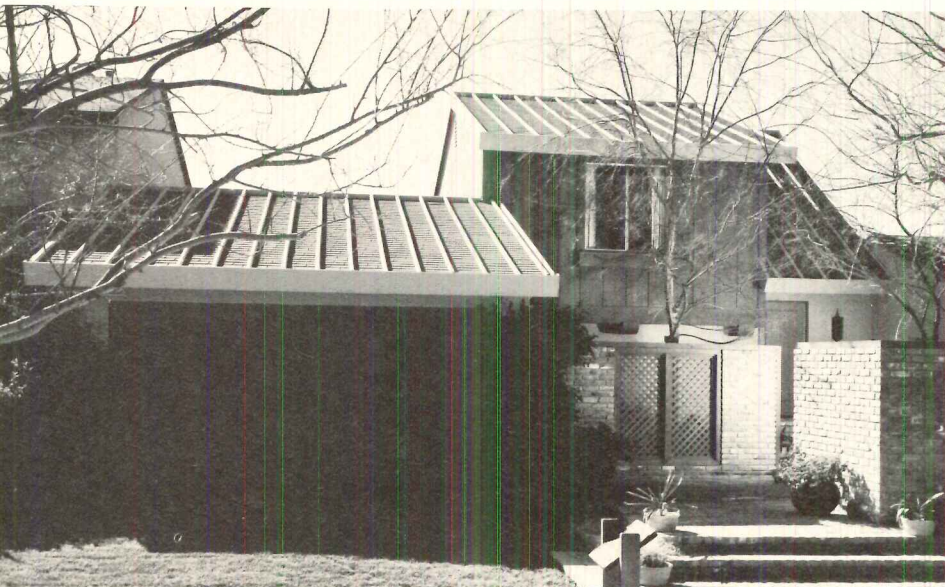
Flat Fascia Roof



ORIENTAL ROOF



ORIENTAL ROOF



more products on page 118



gourmet ice cubes for kitchens, wet bars and family rooms... whenever you want it



Model SM18
H 33-1/8"
W 15"
D 20-5/8"

SCOTSMAN
makes 480 cubes per day
stores 670 cubes

Scotsman, the world leader in commercial ice making equipment, presents the new compact, home icemaker. It produces clear, pure, round, upside down cubes of slow melting ice. A unique process produces Scotsman cubes that are actually purer than the water they are made from. Now you can design and specify a source of gourmet ice in abundance for food, beverages and entertaining.

Dependable design has been proven in thousands of commercial installations. Icemaker shuts off automatically when the bin is full. The Scotsman is also ideal for office, staff dining rooms, executive suites and employee lounges.

Get the full details on the Scotsman plan for model homes, apartments, condominiums and custom homes. Write SM18 CUSTOM CUBES.



COMMERCIAL ICE SYSTEMS / HOME ICE MAKERS

Queen Products Division
King-Seeley Thermos Co.
10805 Front St., Albert Lea, Minn. 56007

Our faucets work best when they're turned off.

All faucets turn water on. But the true test of a good faucet is how well it turns the water off.

Delta is a good faucet. Because we build it without a washer. So it's virtually without all the problems worn washers cause.

And without washer replacement costs, too.

Delta has replaced the washer with a patented rotating valve. No metal-to-metal working parts, no stem threads to wear out and gall.

And Delta washerless faucets look as good as they work. With decorator styling for kitchens, bathrooms and powder rooms. In both single-handle and double-handle styles.

Specify Delta. To see how well they work, turn one off.

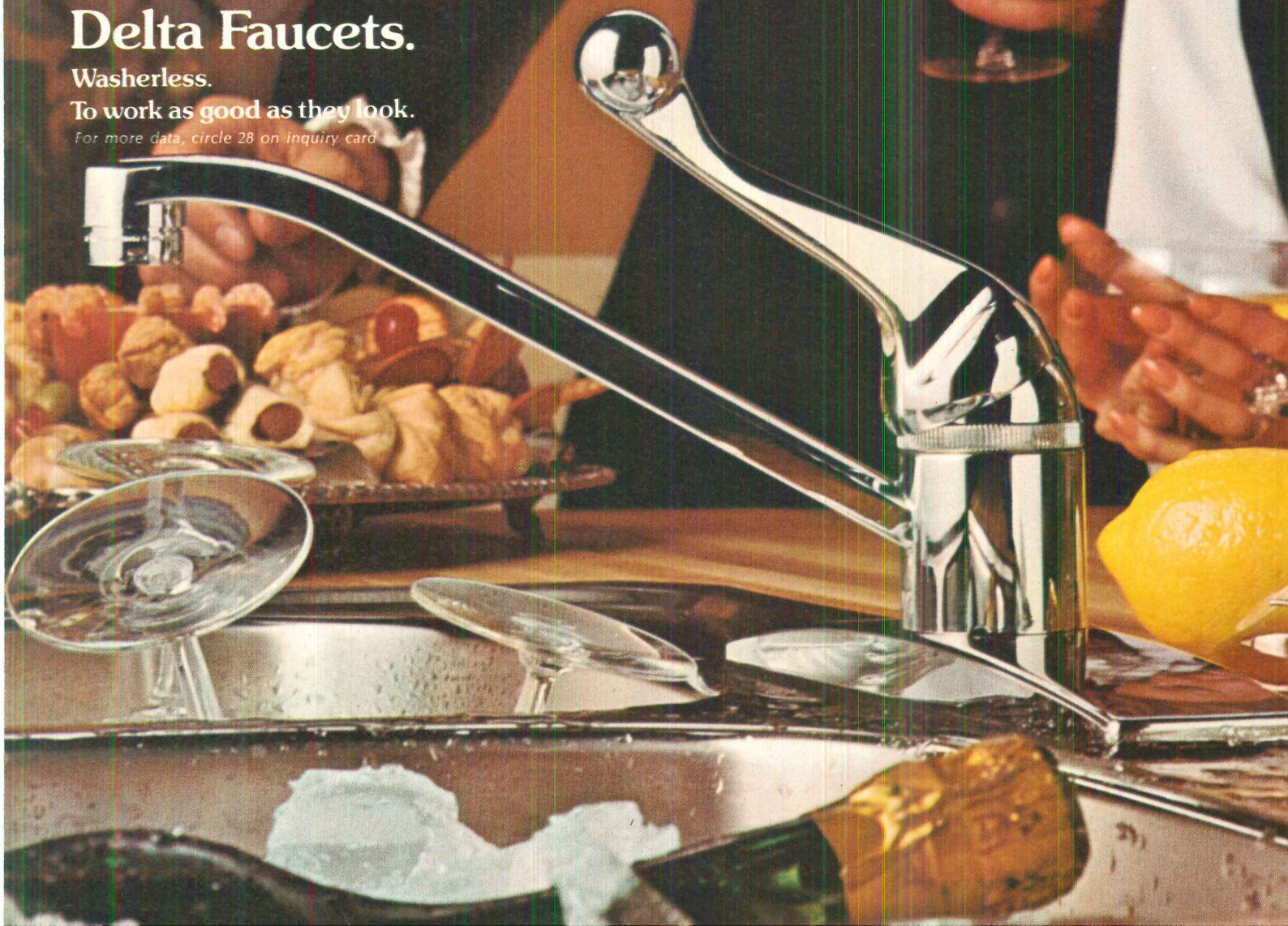
*For illustrated literature, write
Delta Faucet Company, A Division of Masco Corporation,
Greensburg, Indiana 47240, and Rexdale, Ontario.*

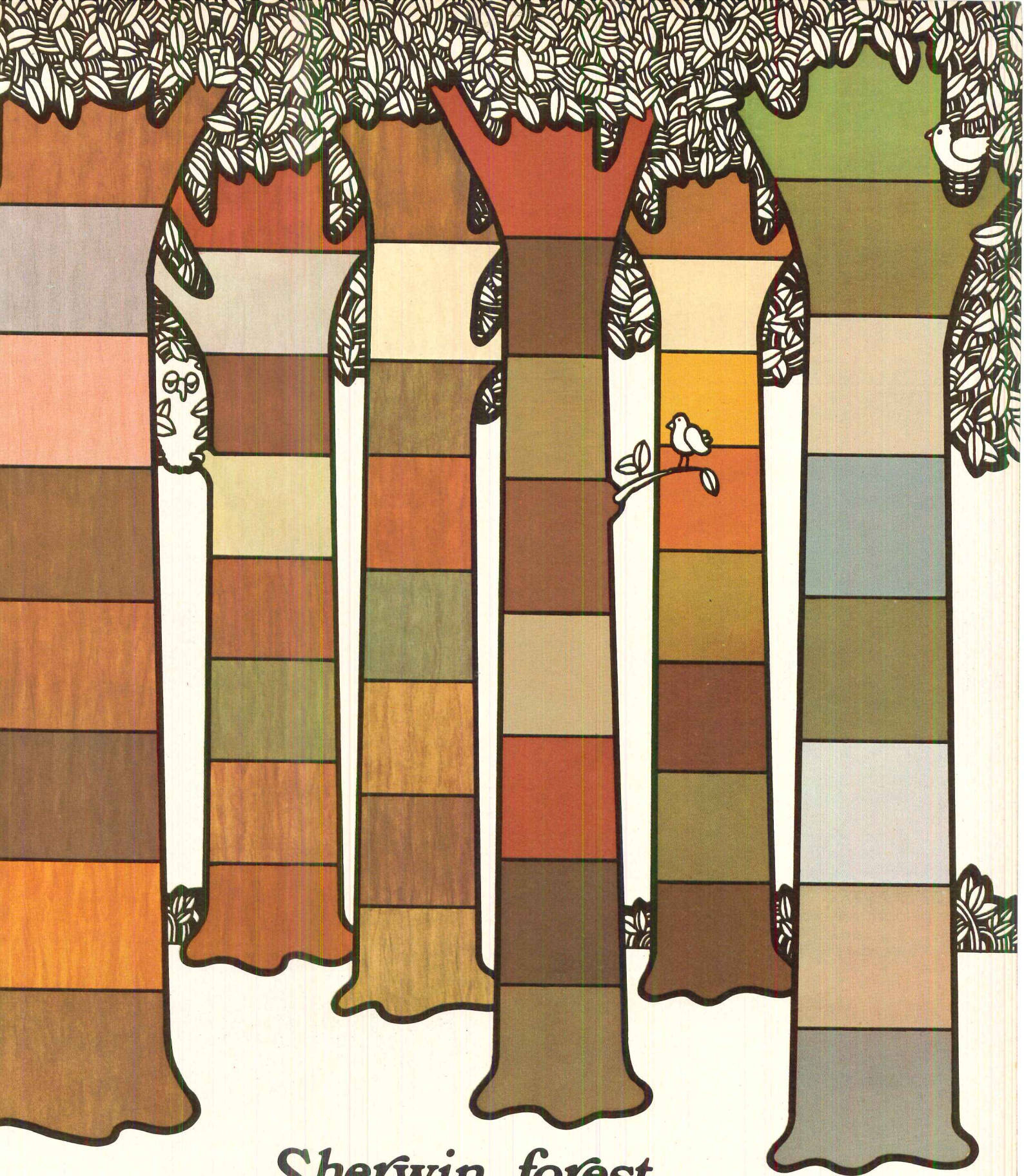
Delta Faucets.

Washerless.

To work as good as they look.

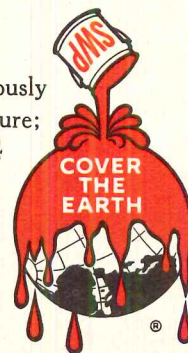
For more data, circle 28 on inquiry card



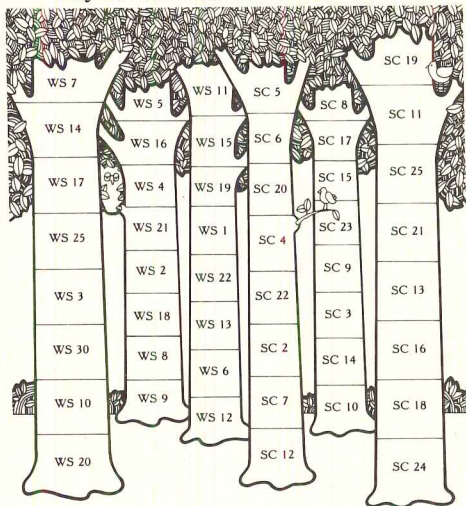


Sherwin forest

Sherwin-Williams new stain line includes both Semi-Transparent and full-hiding Solid Colors, for exterior or interior wood surfaces. ☞ Superior alkyd formulation – not a conventional oil stain. ☞ Provides toughness and longer life. ☞ Won't blister, peel or crack. ☞ Use on new wood or previously stained wood. Solid colors may also be used on previously painted wood. ☞ No topcoat necessary. ☞ Needs no priming. ☞ Excellent weather resistance. ☞ Repels moisture; mildew and mold resistant. ☞ Easy to apply by brush, roller, spray, or dipping. ☞ Lap marks won't show. ☞ 24 beautiful non-fading colors plus Weathering Oil® in Semi-Transparent and 24 colors plus Snowcap White in Solid Colors. ☞ Use for wood siding, shingles, shakes, decks, porches, steps, railings, fences, benches, terrace walls . . . and for interior construction such as beams, ceilings, paneling. ☞ Tear out and save this page, showing approximate colors, and specifications on reverse side as your guide to selection of Sherwin-Williams® Stains. For actual color card, or for further information, circle inquiry card. Or write **SHERWIN-WILLIAMS**, Architectural Service Division, 101 Prospect Ave., N.W., Cleveland, Ohio 44115.



Key to colors shown on reverse side.



Semi-Transparent Colors Full-Hiding Solid Colors

Condensed Specifications for Sherwin-Williams® Stains

Based on Specification Nos. 73.06, 73.07 and 73.08, in Sherwin-Williams Catalog 9.9/Sh, Sweet's Architectural and Industrial Construction Catalog Files.

73.06 Flat finish stain/Alkyd base

Ist coat:
Sherwin-Williams Semi-Transparent Exterior Stain
Top coat:
Sherwin-Williams Semi-Transparent Exterior Stain

73.07 Flat finish/Alkyd base

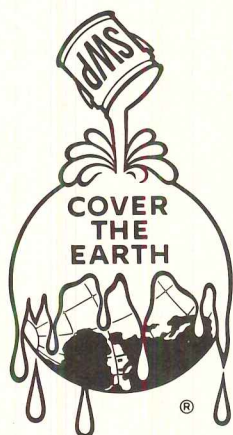
Ist coat:
Sherwin-Williams Solid Color Exterior Stain
Top coat:
Sherwin-Williams Solid Color Exterior Stain

73.08 Flat finish/Oil Base

Ist coat:
Sherwin-Williams Weathering Oil®
Top coat:
Sherwin-Williams Weathering Oil®

Specifications for shingles, shakes and rough-sawn lumber are listed under Spec. Nos. 73.11; 73.13; 73.14; 73.15.

SHERWIN-WILLIAMS

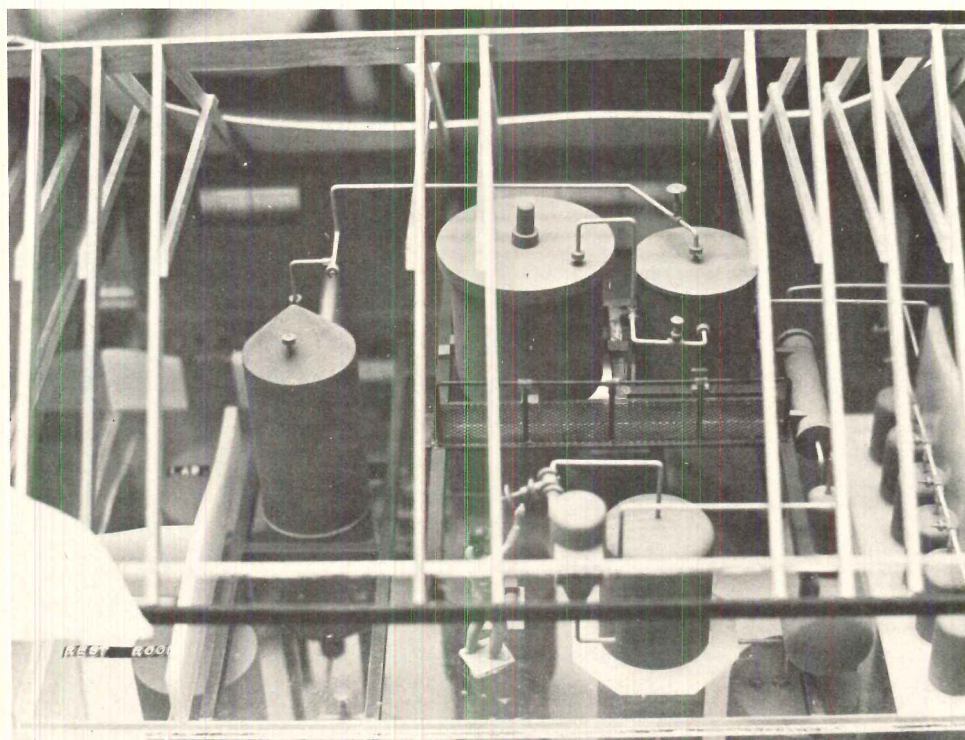
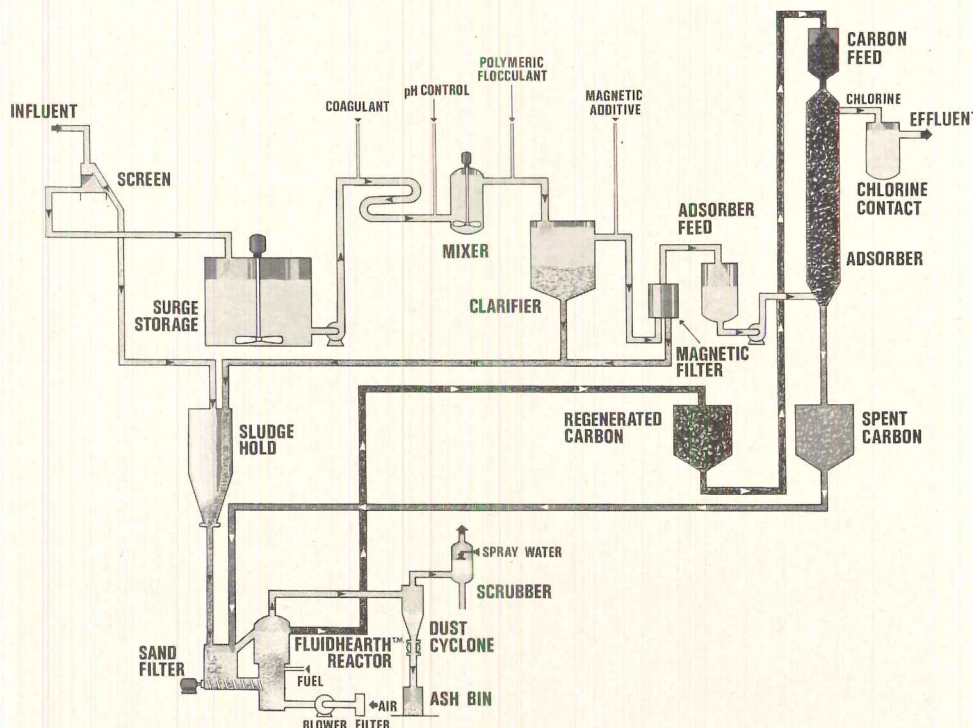
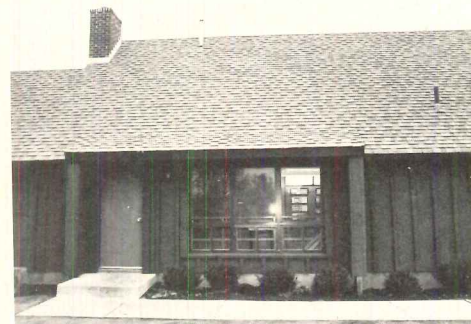


For more data, circle 29 on inquiry card

SELF-CONTAINED WASTE TREATMENT PLANT / This physical-chemical wastewater treatment and incineration process for community developments, apartment complexes and hotels affords localized treatment in an ecological manner. The process can be completely housed in a structure compatible with surroundings, as shown right and in the cutaway view at the bottom of the page. The entire apparatus requires one-quarter of the square footage needed for conventional sewage treatment plants, and construction and operation costs are equal or lower. In the process (shown center), domestic wastes with suspended and dissolved solids are precipitated from the water. Organic solids are incinerated and inorganic solids are removed in the form of dry, sterile ash. The

effluent is potable and can be discharged safely. ■ AWT Systems, Inc., Wilmington, Del.

Circle 301 on inquiry card



The Birthday bath

Kohler celebrates its 100th anniversary with the Birthday Bath. The newest idea from the Bold Craftsmen.

A nostalgic blend of yesterday and today. The Birthday Bath—old-fashioned comfort with contemporary grace, 6 feet long and 37½ inches wide. Lustrious enamel interior bonded to cast iron. Smooth flared rim. In Antique Red, Black Black, White.

Antique-styled faucets polished or brushed gold electroplate, and polished or brushed chrome. Same finish for the ball-and-claw feet.

Rochelle toilet and Huntington lavatory are in Ink Champagne—Kohler's newest color.

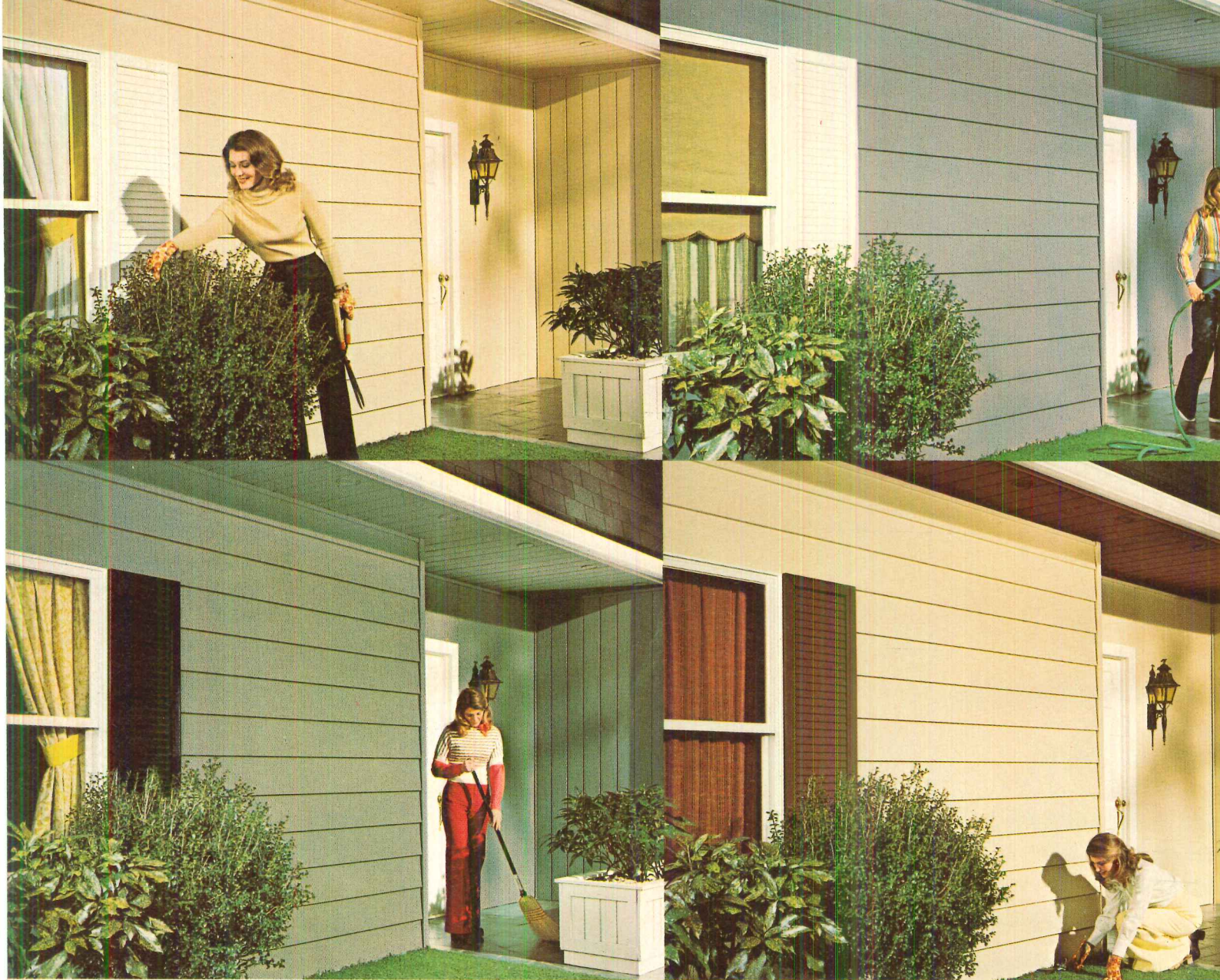
For more great bath ideas write Box AR, Kohler Co., Kohler, Wis. 53044.

KOHLER

100

BOLD CRAFTSMEN
SINCE 1873





The siding shown above is eight-inch horizontal. It's also available in double four-inch and double five-inch horizontal or 12-inch vertical panels. Matching V-groove soffit and fascia come in 12-inch panels.

Let PPG color your thinking about aluminum siding, soffit and fascia.

Color. It gives you a lot to sell, but very little to do. That is, when you use matching or complementary aluminum siding and soffit coated with DURACRON® color finishes from PPG.

And you're sure of a perfect color match, too. Because DURACRON coatings are scientifically formulated and baked on.

You don't have to paint these materials. Your customer won't either, and he'll be thanking you for a long

time. Because DURACRON color coatings stay bright and attractive, without the brush-and-bucket routine every few years.

Come on, color your thinking. And match it perfectly with DURACRON-coated aluminum products.

For more information, write: PPG Industries, Dept. 13S, One Gateway Center, Pittsburgh, Pa. 15222.

PPG: a Concern for the Future



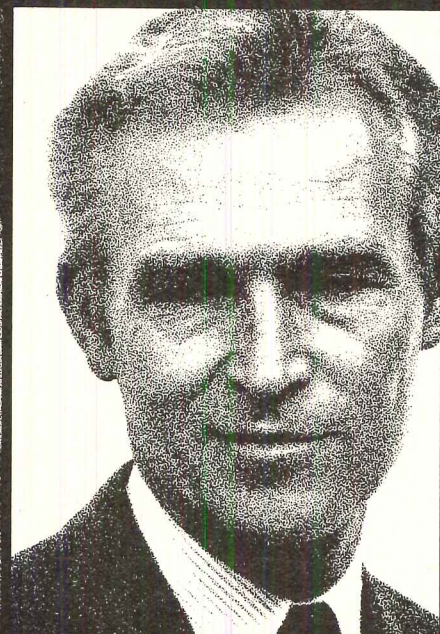
The Winners: 1973 Plywood Design Awards

Tappe'

Walker

Dorman

McCormack



Commercial/Institutional

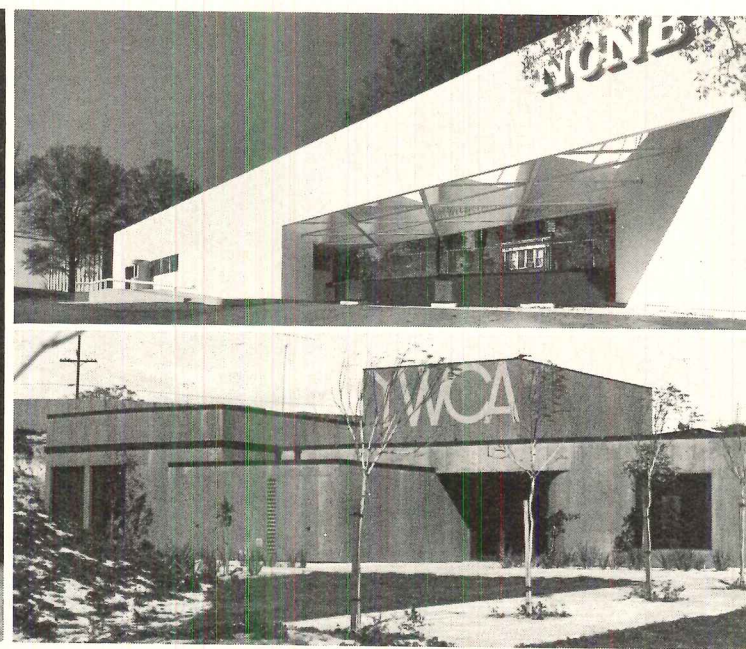
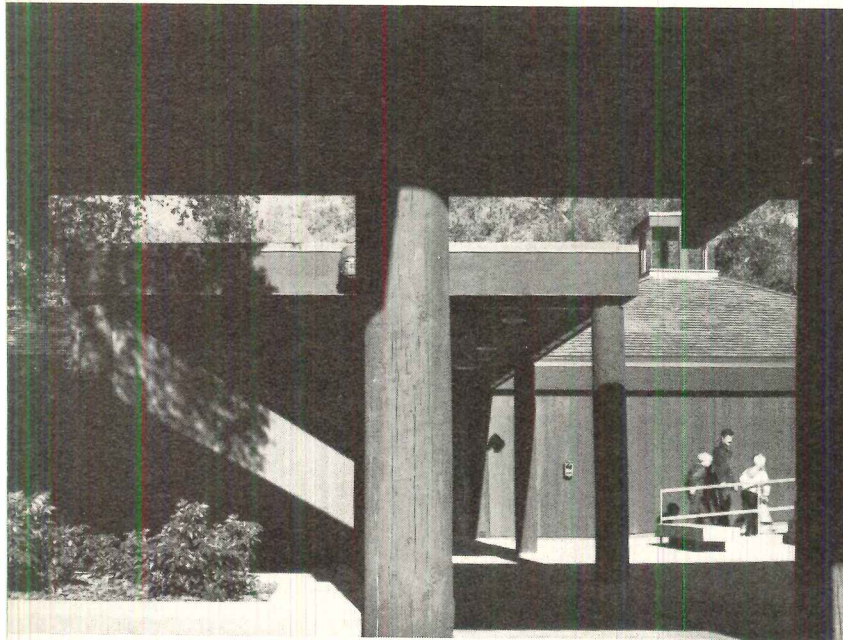
FIRST AWARD: Richard L. Dorman, FAIA. CLIENT: County of Los Angeles. PROJECT: Nature Study Center in Saugus, California. JURY: "A direct statement of structural wood members and plywood wall panels. An overall simple rustic character that makes a comfortable background for nature study."

CITATION: Wolf Associates. CLIENT: NCNB/Branch Bank. PROJECT: Bank in Charlotte, North Carolina. JURY: "This design recognizes the bank's prediction that most of its business will come from drive-in windows."

CITATION: Richard Bundy, O. W. Phipps, and Bruce Dammann, PBD (Architects Associated). CLIENT: San Diego YWCA. PROJECT: South YWCA in San Diego, California. JURY: "A positive architectural statement expressing plywood in a basic, uncomplicated manner."

First Award

Citation



Special Awards

FIRST AWARD: J.E. McCormack, AIA (Locatell/Deckbar/McCormack, Inc.). CLIENT: J. L. Lammers, Jr. PROJECT: "The Little Red Barn" souvenir shop in Sautee-Nacoochee, Georgia. JURY: "A simple but attractive roof structure complements the rugged reverse board and batten plywood exterior."

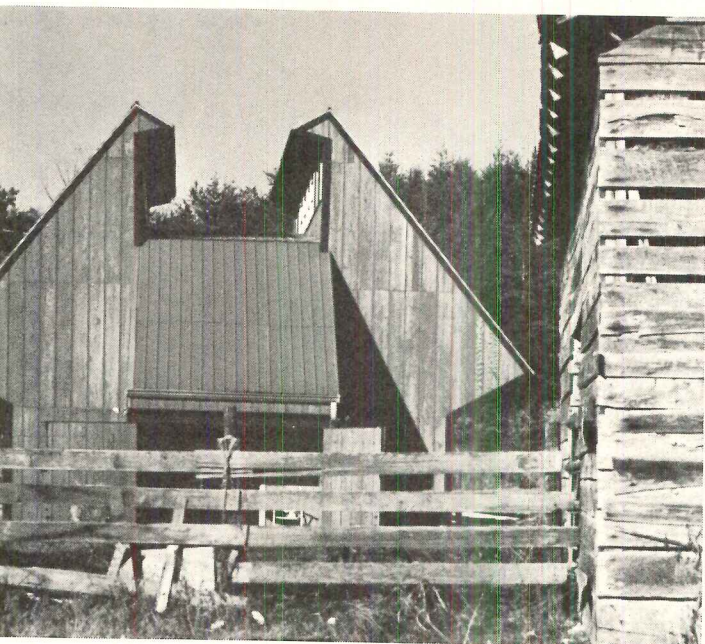
CITATION: Owen Beenhouwer. CLIENT: Mr. and Mrs. Gerald Jonas. PROJECT: Two-story bedroom/playhouse. LOCATION: Cooperative apartment building, New York City. JURY: "How to make an 11 x 13-foot room a very special child environment — joy and intellectual stimulation for years."

CITATION: Raymond E. Sells. CLIENT: Available for sale. PROJECT: Laminated plywood sculpture, 4 feet high. LOCATION: San Francisco, California. JURY: "A novel art form with great potential. Could be used to key architectural developments."

ard

Citation

Citation



More ideas:



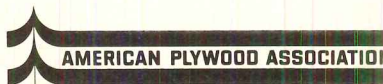
1. Huygens and Tappe', Narragansett Bay House, R.I. 2. Richard L. Dorman, FAIA, Nature Study Center, Saugus, Calif. 3. John M. Sampieri, AIA (Daniellian Moon Sampieri & Ilg), Two-story Modular Townhouse, Louisville, Ky. 4. Wolf Associates, NCNB/Branch Bank, Charlotte, N.C. 5. J. E. McCormack, AIA (Locatell/Deckbar/McCormack, Inc.), Souvenir Shop, Sautee-Nacoochee, Ga. 6. Richard Meier, Hoffman House, East Hampton, N.Y. 7. Peter W. Behn (Behn & Gavin), Lozano House, Los Gatos, Calif.

8. Louis Sauer, Frankel House, Margate, N.J. 9. Carl Maston, FAIA, Los Angeles House, Calif. 10. Wendell Campbell (Campbell & Macsai Architects, Inc.), St. Mark A.M.E. Zion Church, East Chicago, Ind. 11. H. Ronald Walker, AIA (John D. Bloodgood Architects P.C.), Condominiums, Des Moines, Iowa. 12. Richard L. Dorman, FAIA, Nature Study Center, Saugus, Calif. 13. John Badgley, AIA, and Richard Brady, AIA, Medical Office Bldg., Bakersfield, Calif. 14. Owen Beenhouwer, Bedroom/Playhouse, New York City apartment.

**American Plywood Association
Department AR-053
Tacoma, Washington 98401**

Please send me your 14-page booklet on the 1973 PLYWOOD DESIGN AWARDS. And the new 32-page booklet "Architectural Plywood Walls" — all about design and joint details for exterior wall systems.

Name _____
 Address _____
 City _____
 State _____ Zip _____



Plywood quality-tested by the Division for Product Approval

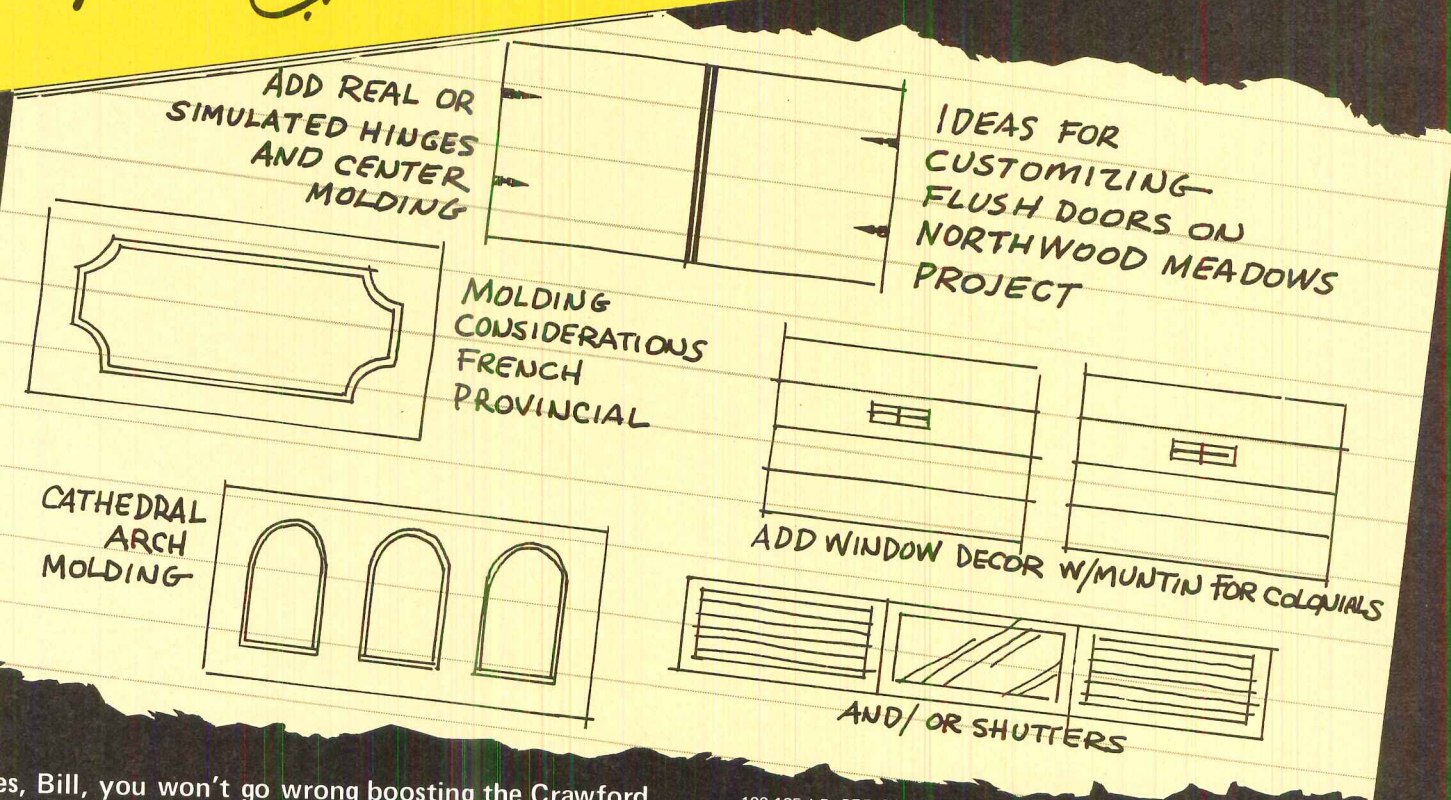


For more data, circle 33 on inquiry card

Bill—
 Have you checked
 on Crawford flush
 Garage doors?
 Any advantages? Any Savings?
 C.M.

"Ahead of you, C.M.! Talked to Crawford distributor yesterday. Their flush door looks good. It has plenty of advantages -- the price is more than right and it can be easily customized. I've sketched a few ideas we might use on the new Northwood Meadows project. It might be time to switch to a flush door. What do you think?"

Bill



es, Bill, you won't go wrong boosting the Crawford
 odel 466 Flush Garage Door. C.M. will recognize
 ou're on top of things when you and your Crawford
 istributor show him samples and go into detail
 out these benefits. . .

- Unitized Construction.
- Blends With Any Architectural Design.
- Easy To Add Inexpensive Customized Decor.
- Flat Surface — Easy To Paint.
- Sound Deadening — Good For Over The Garage Bedrooms.
- Minimum Heat Loss.
- No Warping, Twisting, Crowning, Sagging, Separating, Cracking, Splitting, Checking or Delamination.
- No Water Trapping or Moisture Leaks.
- Unlimited Glass Options and Competitively Priced!

n C.M. and Bill! Contact your local Crawford Door
 istributor (check your Yellow Pages) and see for
 urself how the Crawford Flush Garage Door can
 into your program — a low-priced door with
 imited design possibilities. Or write. Crawford Door • 4270 High Street • Ecorse, Michigan 48228 • Area Code 313/383-5000

100-125 LB. PER SQ. IN.
 PRESSURE APPLIED
 UNDER CONTROLLED
 ENVIRONMENTAL
 CONDITIONS FOR FULL
 BONDING PERIOD

TEMPERED
 MARVEL-LIFE
 HARDBOARD FACING

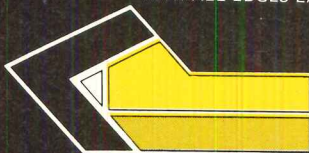
120 PLASTIC
 IMPREGNATED
 FIBER CELLS
 PER SQ. FT.
 (NOT CARDBOARD)
 INCREASE
 STRUCTURAL
 STRENGTH AS
 WELL AS SOUND
 AND
 THERMAL INSULATION

FULL WIDTH OF
 INTERIOR SURFACES
 COATED WITH
 WATERPROOF
 PHENOLIC RESIN GLUE

FRAMING MEMBERS
 OF SELECT CURED
 WOOD

RABBETED RAILS
 WITH ALL EDGES EASED

EVERY CORNER
 ALIGNED AND SQUARED
 IN STEEL JIGS

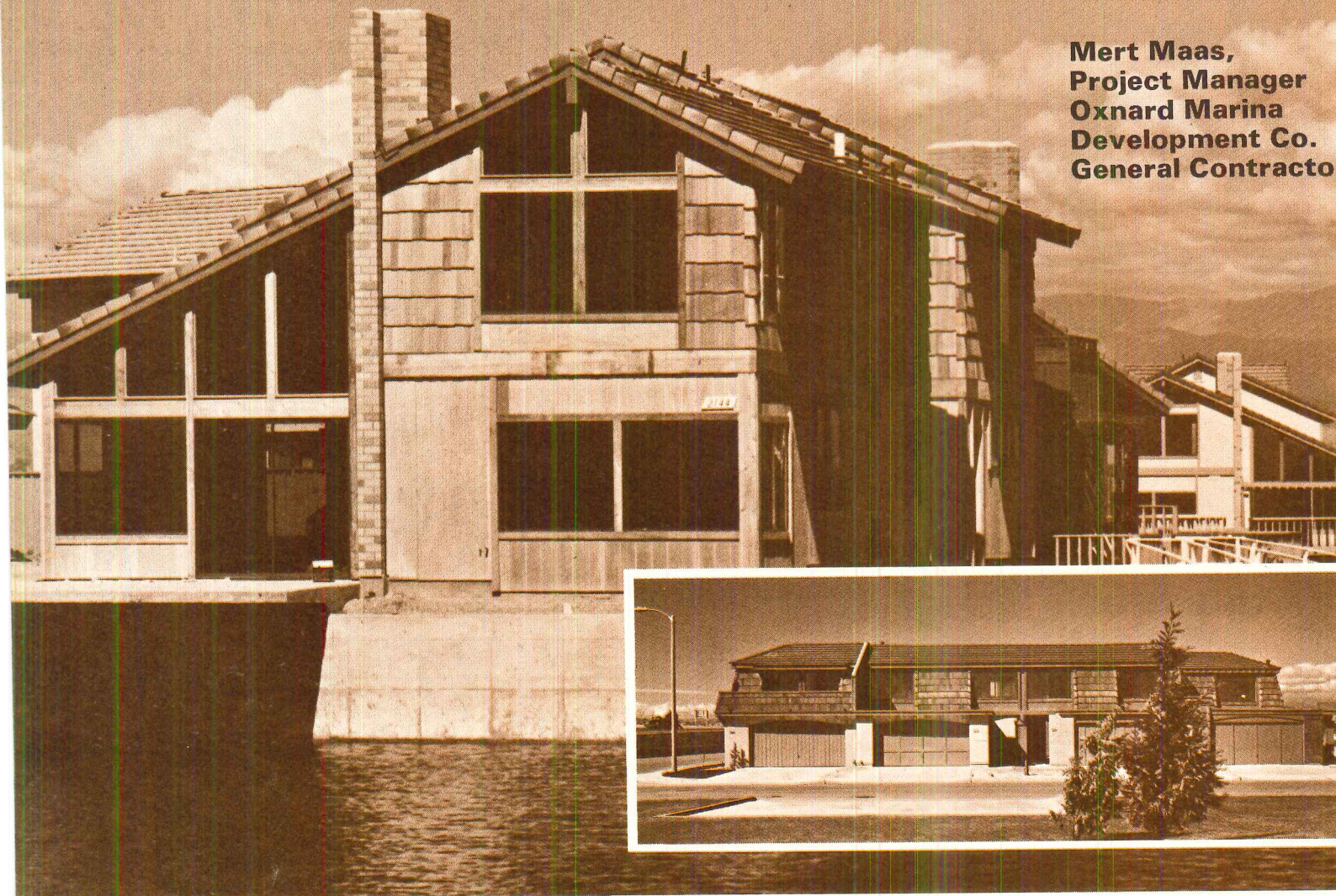


CRAWFORD

Division of THE CELOTEX CORPORATION
 A subsidiary of **Jim Walter** CORPORATION

"DOLLAR FOR DOLLAR, THE HIGH QUALITY AND LOW APPLIED COST OF SHAKERTOWN SHAKES AND SHINGLE IN 8' PANELS MET ALL OUR REQUIREMENTS"

**Mert Maas,
Project Manager
Oxnard Marina
Development Co.
General Contractor**



Mandalay Bay Marina Community, Oxnard, California | Architects: B. A. Berkus Associates, Los Angeles | Developer: Zurn Industries, Inc., Erie,

"We didn't have to handle and nail individual shingles, or mess around with scaffolding and grading that stucco applications require," Maas explained. "The self-aligning panels go up fast and easily, giving these waterfront homes the lasting, weather-tight protection they need, and the rustic appeal customers prefer." Maas used a variety of Shakertown Western Red Cedar Shake and Shingle Panel textures in 7" and 14" exposures. Their horizontal butt lines emphasize the low-profile design of the homes. Matching wood corners finish the job beautifully.

VISIT BOOTH NO. 508 AT THE A.I.A. NATIONAL CONVENTION



Shakertown® 8-FOOT SHAKE AND SHINGLE PANELS



Shakertown®

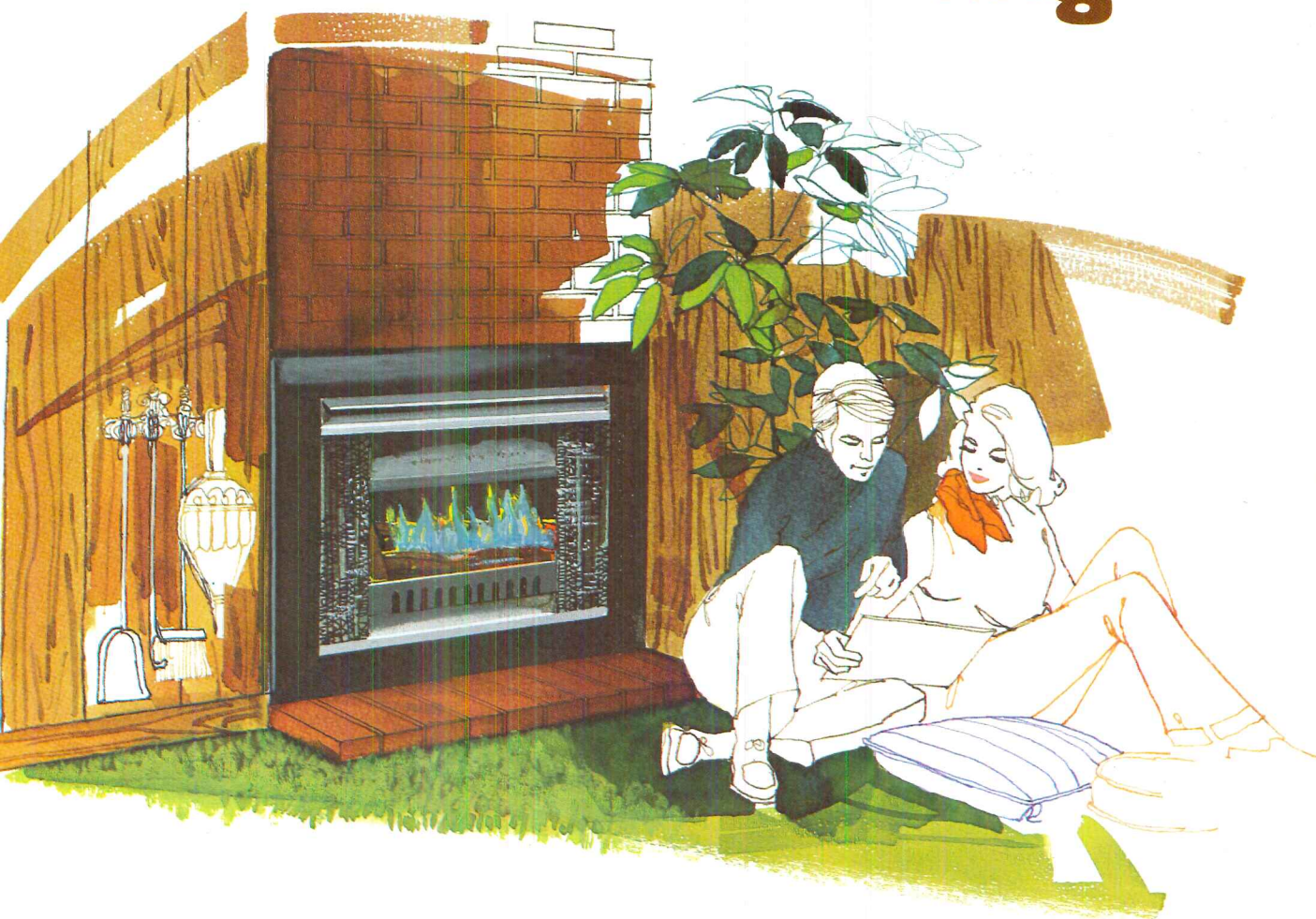
First Name in Cedar Shake Panels

Write for a detailed brochure...
SHAKERTOWN CORPORATION

DEPT. AR-5
4416 LEE ROAD
CLEVELAND, OHIO 44128

In Canada
BESTWOOD INDUSTRIES
P.O. BOX 2042
VANCOUVER 3, B.C.

a nice warm feeling

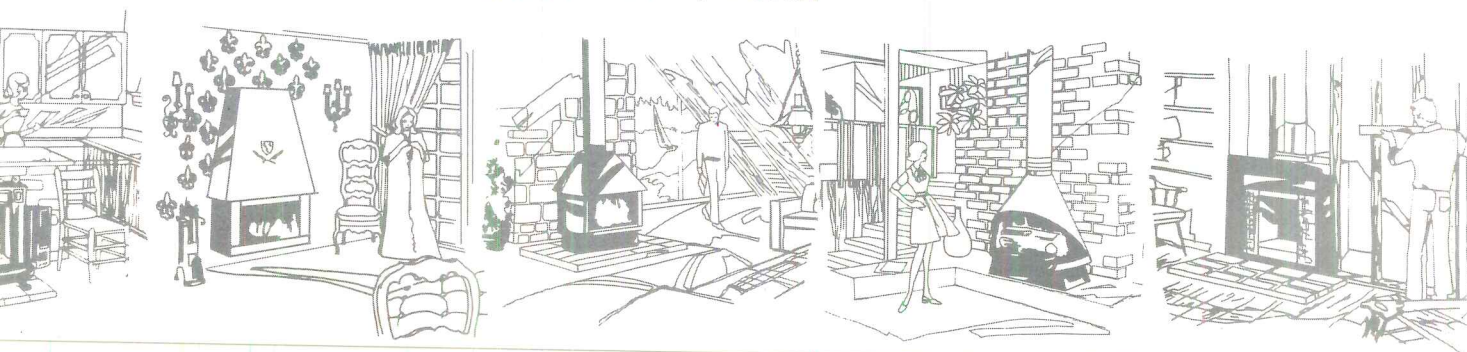


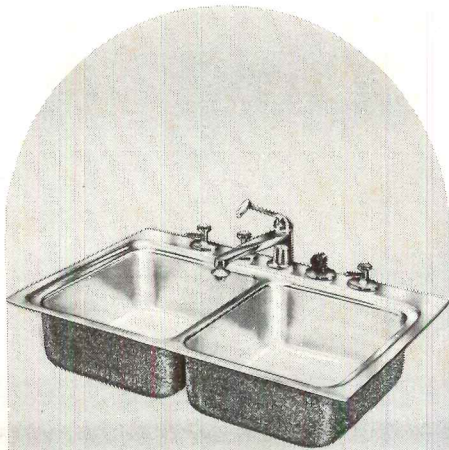
A PREWAY CUSTOM GAS BUILT-IN FIREPLACE gives you the warmth and charm of a wood-burning fireplace, with all the convenience and cleanliness of gas. The compact unit requires a recess depth of less than 15". The Custom Gas can be installed on a wood floor . . . or even next to combustibles. Easy-access panel for convenient valve installation and maintenance.

Packaged complete with a realistic two-log burner molded from long-lasting refractory material, manual control and pressure regulator. For LP or Natural Gas. AGA Certified. Uses standard 5" Type B vent. Your Preway distributor can tell you all about the complete line of built-in and free-standing fireplaces. Call him. Or write us.

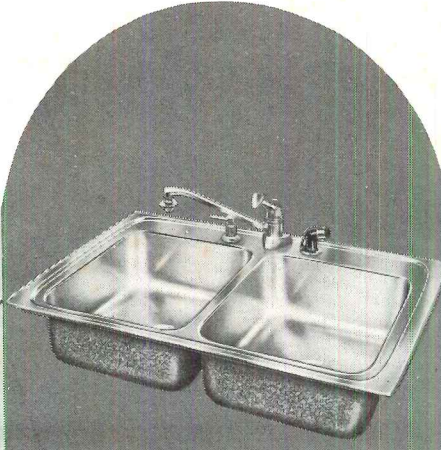
PREWAY
a nice warm feeling

WISCONSIN RAPIDS, WI 54494

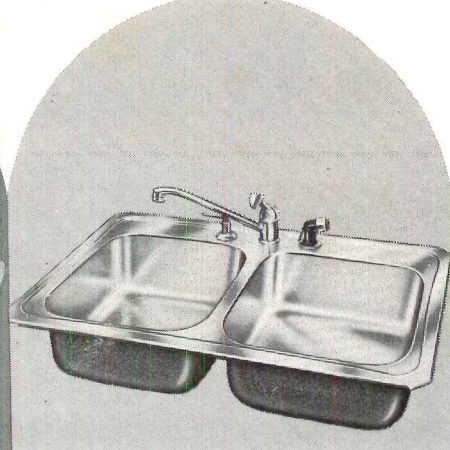




Lustertone—ALR series—finest Elkay quality. 18 gauge, nickel bearing stainless steel. Hand blended LK-6K-H satin finish. Compartment depth 7½ inches. Raised faucet decks. ALR-3322-5. Complete as illustrated.



Pacemaker Starlite—APSR series—seamlessly drawn 20 gauge stainless steel. Finest quality in the medium price range. Bright satin LK-5K-H finish. Compartment depth 7¼". APSR-3322.



Celebrity—ACR series. High quality materials and designs. 20 gauge stainless steel, LK-4K-4 finish. Compartment depth 7 inches. Elkay quality for the economy minded buyer. ACR-3322.



Cuisine Centr  sinks are the top Elkay line, available in many designs with the widest variety of fittings and accessories. Model shown LCR-4322.

Four Quality Grades

put an **ELKAY** stainless steel sink in the heart of every kitchen

Elkay is the known name, the prestige name in stainless steel sinks. That makes them easier to sell. And so do the four distinct Elkay lines. They are the way to give every customer the best stainless steel sinks possible at price levels to meet high-to-modest budgets. Offer Elkay for use throughout the house—in kitchens, laundries, entertainment areas—wherever water is needed. Write for the complete Elkay CS-5 catalog.



With every line and model of Elkay sink sell matching Elkay faucets and fittings, and you sell Elkay quality throughout. Model shown LK-220.

ELKAY © Manufacturing Company, 2700 S. 17th Avenue, Broadview, Illinois 60153

For more data, circle 37 on inquiry card

Special introductory offer to new members of the ARCHITECTS' BOOK CLUB

ANY ONE
of these great professional books
for only **\$1.00**

VALUES FROM \$8.95 TO \$29.75

Special \$1.00 bonus book comes to you with your first club selection

<p>Standard Structural Details For Building Construction</p>	<p>463/45X STANDARD STRUCTURAL DETAILS FOR BUILDING CONSTRUCTION by M. Newman Pub. Price, \$14.50 Club Price, \$11.60</p>	<p>Art in Architecture</p>	<p>513/651 ART IN ARCHITECTURE by L. G. Redstone Pub. Price, \$19.95 Club Price, \$16.50</p>				
<p>Architectural Drawing and Planning, 2/e</p>	<p>237/514 ARCHITECTURAL DRAWING AND PLANNING, 2/e by Goodban and Hayslett Pub. Price, \$8.95 Club Price, \$7.50</p>	<p>Structural Engineering Handbook</p>	<p>231/15X STRUCTURAL ENGINEERING HANDBOOK by Gaylord and Gaylord Pub. Price, \$29.75 Club Price, \$19.95</p>				
<p>Concepts in Architectural Acoustics</p>	<p>190/534 CONCEPTS IN ARCHITECTURAL ACOUSTICS by M. D. Egan Pub. Price, \$16.50 Club Price, \$12.50</p>	<p>Legal Pitfalls in Architecture, Engineering and Building Construction</p>	<p>678/502 LEGAL PITFALLS IN ARCHITECTURE, ENGINEERING AND BUILDING CONSTRUCTION by Walker, Walker & Rohdenburg Pub. Price, \$14.00 Club Price, \$10.65</p>				
<p>The Design of Foundations for Buildings</p>	<p>325/839 THE DESIGN OF FOUNDATIONS FOR BUILDINGS by Johnson and Kavanagh Pub. Price, \$17.00 Club Price, \$10.95</p>	<p>Model Building for Architects and Engineers</p>	<p>629/382 MODEL BUILDING FOR ARCHITECTS AND ENGINEERS by J. R. Taylor Pub. Price, \$14.75 Club Price, \$11.50</p>	<p>Time-Saver Standards, 4/e</p>	<p>096/465 TIME-SAVER STANDARDS, 4/e by J. H. Callender Pub. Price, \$28.50 Club Price, \$21.75</p>	<p>Manual of Built-Up Roof Systems</p>	<p>014/892 MANUAL OF BUILT-UP ROOF SYSTEMS by the American Institute of Architects Pub. Price, \$14.50 Club Price, \$9.95</p>
<p>The Use of Color in Interiors</p>	<p>256/187 THE USE OF COLOR IN INTERIORS by A. O. Halse Pub. Price, \$16.50 Club Price, \$13.95</p>	<p>Building Construction Handbook, 2/e</p>	<p>415/064 BUILDING CONSTRUCTION HANDBOOK, 2/e by F. S. Merritt Pub. Price, \$25.00 Club Price, \$18.95</p>	<p>Architectural Delineation</p>	<p>089/248 ARCHITECTURAL DELINEATION by E. E. Burden Pub. Price, \$18.50 Club Price, \$14.50</p>	<p>Anatomy of a Park</p>	<p>543/47X ANATOMY OF A PARK by A. J. Rutledge Pub. Price, \$15.95 Club Price, \$10.95</p>

SAVE TIME AND MONEY BY JOINING McGRAW-HILL'S NEW ARCHITECTS' BOOK CLUB



MAIL ATTACHED POSTPAID CARD (If card removed, send coupon below)

IS new professional club is designed to meet your day-to-day needs by providing practical books in your field on a regular basis at below publisher prices. If you're missing out on important technical literature today's high cost of reading curbs the growth of your library—this is the solution to your problem. The Architects' Book Club was organized for you, to provide an economical reading program that cannot fail to be of value. Administered by the McGraw-Hill Book Company, all books are chosen by qualified editors and consultants. Their understanding of the standards and values in your literature in your field guarantees the appropriateness of the selections.

How the Club operates: Every month you receive free of charge The Architects' Book Club Bulletin. This announces and describes the Club's featured book of the month as well as alternate selections available at alternate members' prices. If you want to examine the Club's feature of the month, you do nothing. If you prefer one of the alternate selections—or you want no book at all—you notify the Club by returning the card enclosed with each Bulletin.

As a Club Member, you agree only to the purchase of four books (including your first selection) over a two-year period. Considering the number of books published annually, there will surely be at least four you would want to own anyway. By joining the club, you save both money and the trouble of searching for the best books.

ARCHITECTS' BOOK CLUB

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

Please enroll me as a member of the Architects' Book Club and send me the two books indicated below. I am to receive the higher priced of the two for just \$1, and my first selection at the special Club price. These books are to be shipped on approval, and I may return them both without cost or further obligation. If I decide to keep the books, I agree to purchase as few as four additional books (including this first selection) during the next two years at special Club prices (minimum: 15% discount, often more).

Write Code # of higher priced selection here

Write Code # of lower priced selection here

NAME _____

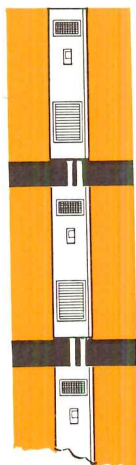
ADDRESS _____

CITY _____

STATE _____ ZIP _____

A36111

McQuay® Hi-Line Fan Coil Units reduce installed costs without reducing comfort



McQuay's new upright Hi-Line Seasonmaker® Fan Coil Units can save 15% and more on installed costs but still offer greater flexibility than conventional units. They're shipped with all chilled, hot water and drain risers and all internal control systems already installed. The contractor merely places the units above each other on the floors, sweats the factory-supplied couplings together, connects the power and plugs in the external thermostat. All units produce equal water pressure drop, virtually eliminating system balancing.

Hi-Line units can have single, double, triple and top duct discharge to service one room or a number of rooms. Five sizes from 1/2 to 2 tons with 200 to 800 CFM. Available features include standard and low-flow coils, with or without reheat coils, for two-pipe and four pipe systems; both full and supplementary electric heat; fan cycle control; 2-way and 3-way valve cycle control; single stage thermostats with manual or automatic heating-cooling changeover, and two-stage and sequenced heating-cooling thermostats.

For complete information on these upright Hi-Line Seasonmaker Fan Coil Units, ask your McQuay representative for Catalog 770.

Or write McQuay Division, McQuay-Perfex Inc., Box 1551, 13600 Industrial Park Blvd., Minneapolis, Minnesota 55440.

Look to the leader . . .



McQuay®

The cost saver

Reducing installed costs without reducing comfort makes McQuay® upright Hi-Line Seasonmaker® Fan Coil Units ideal for such applications as apartments, hotels, office buildings and hospitals.



For more data, circle 38 on inquiry card

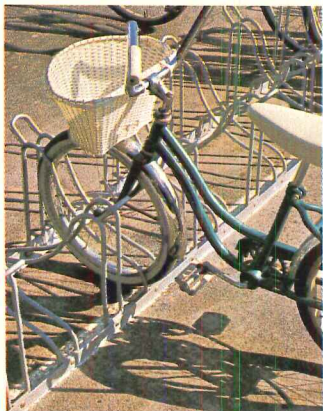
Spread Some Happiness in your rec lot!



Trailblazer Slide. This patented slide is the safest in the country today. Stainless steel bedway, galvanized step floor plate, Safety handrail and fiber glass "slide through" tunnel. Molded-in color and Perma-Lok finish on supports. Model 106



Flying Pony Swing. Come in sets of 2 to 9 ponies. Lifetime oil-impregnated bearings in hangers. Rod suspensions prevent sway, twisting and bumping. Perma-Lok frame coating. Make them happy with Model 209 with nine ponies.



Bike Racks—Best in the business. For standard, foreign or 10-speeds. Anchored. Two-way or one-way for fences or walls. Designed for chain lockups to prevent theft. Order Model 708 for 8 bikes; Model 715 for 15.



Lifetime Whirl. Features the only all-galvanized, die-formed, "never-fail" platform in the industry for years of maintenance free fun. Model 302



Pic Snak tables. Popular. Colorful. Durable. Made of colorfast fiber glass planks. Rugged "walk in" galvanized pipe frame. Model 1106 (6') Model 1108 (8'). Seven colors or combos.



Basketball Backboards. Single or double post with fiber glass or steel backboards, nylon or chain nets, fan or rectangular backboard. Model 704 through 755.

FREE CATALOG

for the new color catalog of 166 pieces of the finest parks and playground equipment write



Box 2753-V, Grinnell, Iowa 50112
Telephone 515/236-7536

TWX NUMBER 910 520-2826

East Coast Telephone 215/857-5533
West Coast Telephone 213/778-0544



HELO SAUNA

World's largest selling authentic Finnish Saunas.

Built by the people who discovered sauna 2000 years ago.

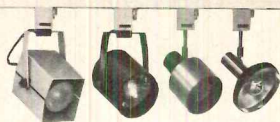
The hottest item in the building industry is the in-home sauna. HELO offers pre-fabricated models with Helo heaters that can be installed virtually anywhere. Saunas in every size for every need...from small closet or bathroom saunas to large, luxurious cabana models. The widest variety of superb UL listed heaters in the U.S.A. Handrubbed redwood rooms. Authentic "Konno" rock heating units with the largest rock capacity of all sauna heaters, for controlled, even heat. Automatic control panels. Custom or pre-fab—all at healthy, down-to-earth prices.

SPECIAL! 4' x 4' x 6' high pre-wired sauna pre-fab with 110 volt "plug-in" heater. Floor, 2 benches, guard rail around heater, vision window, pre-wired light, and UL listed heater. Now only: \$395.00 to builders. Incredibly priced. Assembles in less than 30 minutes.

HELO MARKETING INC.

27 Westerly Lane, Thornwood, N.Y. 10594 (914) 769-4044 • (212) 892-6805
Saunas from Finland since 1919

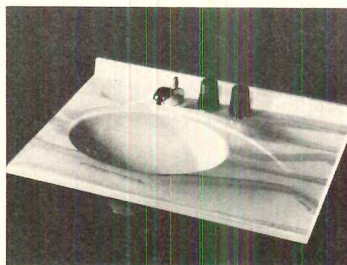
For more data, circle 42 on inquiry card



THREE-CIRCUIT TRACK LIGHTING

All necessary components and fittings and a large, varied group of lighting fixtures are included in this system with UL-listed circuit selector dial adapter which provides adjustable lighting at finger touch. ■ Swivelier Co., Inc., Nanuet, N.Y.

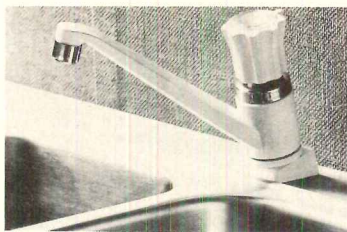
Circle 308 on inquiry card



CULTURED MARBLE VANITY TOP

Initially, the tops are offered in three styles and sizes that range from 22 by 25 in. to 22 by 73 in. Colors are Carrara White and Emerald Bone. ■ Briggs, Sterling Heights, Mich.

Circle 309 on inquiry card



NARROW-LEDGED SINK FAUCET

A thermoplastic single-handle faucet for narrow-ledged sinks can be color-keyed to match different decors. Available in blue, sand, avocado, harvest gold, and white. The base measures 2 1/4 in. wide by 2 in. long. ■ Bradley Corp., Menomonee Falls, Wis.

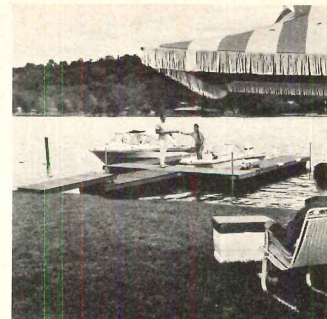
Circle 310 on inquiry card



APARTMENT-SIZED RANGE

An apartment-sized range measures just 20 in. wide and is available in avocado, harvest, coppertone and white. Also offered in a gas model. ■ Magic Chef, Cleveland, Tenn.

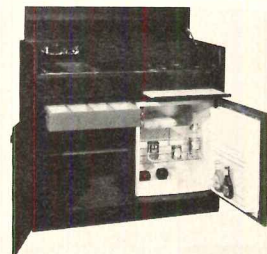
Circle 311 on inquiry card



FLOATING DOCKS

A floating dock system pre-assembled in lightweight modules for easy installation features wood deck components that are pressure-impregnated with a preservative that imparts a long, maintenance-free service life to wood, while leaving surface dry and clean to the touch. Proposed surfaces are color-stained to natural weathering appearance. Koppers Co. Inc., Pittsburgh, Pa.

Circle 312 on inquiry card



COMPACT KITCHEN

This space-saving refrigerated, hardwood cabinet with closing lid includes two burners, sink, cabinet and counter top. Cabinet is of hardwood veneer in oak or cherry. Unit measures 48 in. wide, 24 in. deep and 53 in. high. ■ Cervitor Kitchen, Inc., South El Monte, Calif.

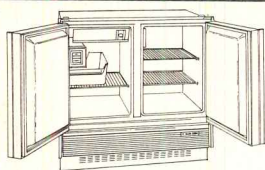
Circle 313 on inquiry card



COOLTOP RANGE

A countertop range with a smooth, white-ceramic surface that stays cool uses induction heating. The range surface does not have to be heated to heat the vessel. Cooking stops soon after the unit is turned off. Power automatically turns off when the utensil is removed. Westinghouse Electric Corp., Pittsburgh, Pa.

Circle 314 on inquiry card



As you can see, you can't see our built-in refreshment center very easily. We designed it to blend into your decor. 6 cubic feet of refrig/freezer/icemaker.

Write for info on model 801 and our full line of built-in refrigeration for the home.

SUB-ZERO

Box 4130 Madison, Wis. 53711

For more data, circle 43 on inquiry card

"If you're tired of those same four walls, The Paneling People have some suggestions."

Here are four ideas from Wally Bruner, host of the do-it-yourself TV show "Wally's Workshop," how to transform your drab walls with help from U.S. Plywood, The Paneling People.

"Take it from me, you can do great things with U.S. Plywood paneling. Send for their decorating idea folders and installation book, and you'll see what I mean."

(Just fill in and return the coupon below.)



1. "Craftsman® Blackthorn's natural hardwood veneer glows from 20 steps of smoothing, rubbing and buffing. In 16 varieties."

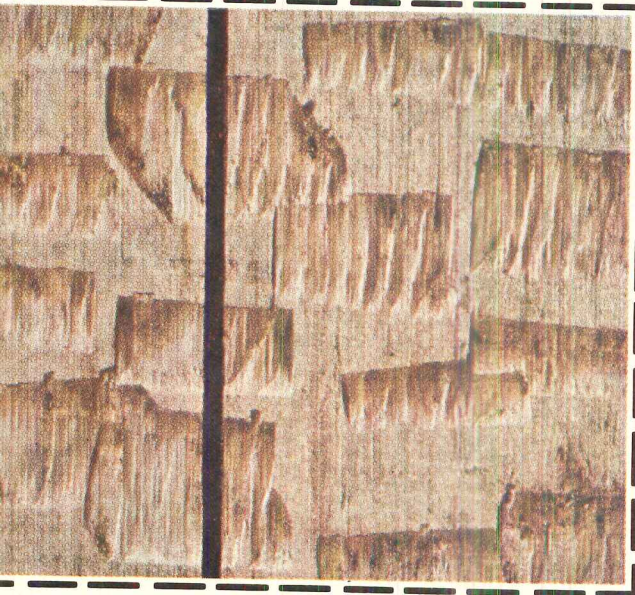
Check the Yellow Pages under Plywood for U.S. Plywood/Weldwood dealers. From the company that makes the fine U.S. Plywood products, to the dealer who carries them, you can expect fresh ideas from

The Paneling People.

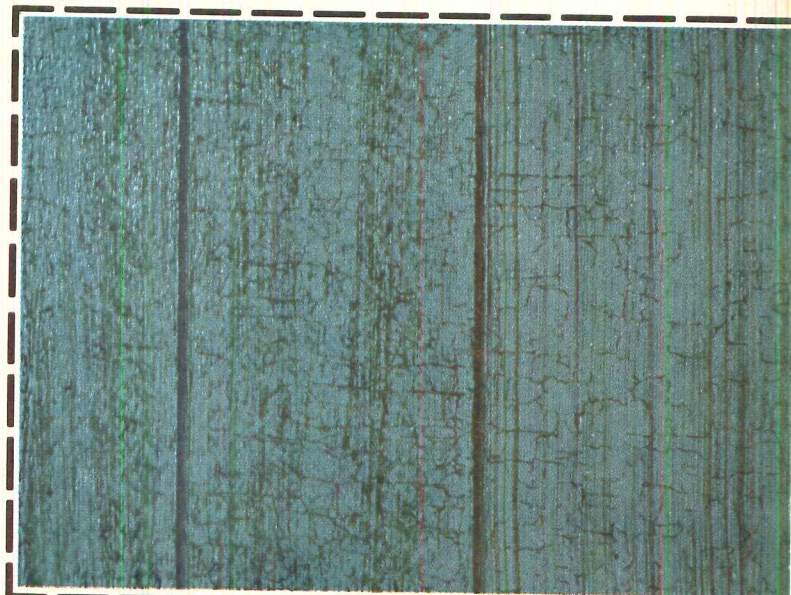


U.S. Plywood

A Division of Champion International



2. "Shenandoah® looks like hand-hewn timber. An exciting wall panel, in eight colors."



3. "Gaslight's™ antiqued pattern is on tough vinyl film, applied to lauan plywood. In five colors."

4. "Early Spring™, in simulated teak or pecan, has mis-matched wood faces for extra realism. In six shades."



For 6 decorating idea folders and paneling installation book, send coupon and 25¢ to: U.S. Plywood, Dept. 73W, Box 61, New York, N.Y. 10046.

Name _____

Address _____

City _____

State _____ Zip _____

For more data, circle 44 on inquiry card

the tradition of india's finest handcrafts-



Carved Wood Screens 3 Feet to 9 Feet Tall And Matching Panels For A Total Wall Or Window Treatment

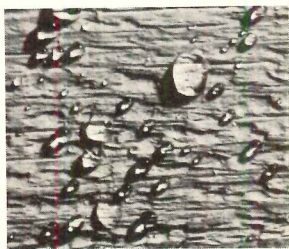
WOOD CARVINGS • ANTIQUES & REPRODUCTIONS BRASS DOOR HANDLES

Catalog Available Special Order Dept.

India Nepal, INC. 225 FIFTH AVE., N.Y., N.Y., 10010
233 FIFTH AVE., N.Y., N.Y., 10016
Tel. 212 686-7996

For more data, circle 45 on inquiry card

Cuprinol® stain repels, protects, & beautifies.



CUPRINOL Stain and Wood Preservative keeps out water and protects best against rot, mildew discoloration and pigment wash-off. Protection for your home that lasts for years and years. Now available in ten fresh, new colors. Send for your free color guide. Send 25¢ for the informative booklet "Trees, Wood & Cuprinol Stain".



Darworth incorporated 
AVON, CONN. 06001

© 1973 Darworth Inc.

For more data, circle 46 on inquiry card

LITERATURE FOR HOUSE PLANNING

For more information circle selected item number on Reader Service card, pages 139-140

ELECTRIC APPLIANCES & EQUIPMENT / A 40-page publication provides feature specifications and dimensional drawings on built-in dishwashers, stainless *Disposal* food waste disposers, a trash compactor, refrigerator-freezers, standard-size and compact washer and dryer, *Zoneline* packaged terminal and built-in room air conditioners, and a complete line of ranges. ■ General Electric Major Appliance Bus. Group, Louisville, Ky.

Circle 400 on inquiry card

HARDWOOD FLOORING / The catalog features catalog illustrations and descriptions of all *BondWood* parquet patterns, plank flooring designs and straight-edge flooring. Complete specification data is provided in convenient, easy-to-read chart form. ■ Harris Mfg. Co., Johnson City, Tenn.

Circle 401 on inquiry card

BUILT-IN PRODUCTS GUIDE / The guide has 76 pages of ideas and information on a wide variety of systems for comfort, convenience and security featuring articles on subjects such as proper home ventilation as well as help on home entertainment centers. Available at \$1. ■ Nutone, Cincinnati, Ohio 45209.

Circle 402 on inquiry card

ECONOMICAL SECURITY SYSTEM / A tenant-controlled security intercom system designed for apartment dwellings as well as office buildings is coupled into telephone lines already in the building. *Entraguard* is a mini-computer, easily programmed by the apartment manager. A visitor merely dials the code number indicated on the tenant directory for direct two-way private telephonic communication with the tenant. ■ Marlee Electronics Corp., Beverly Hills, Calif.

Circle 403 on inquiry card

CARPETING / A 28-page booklet on commercial and residential carpeting includes information on 44 styles, shown in full color. Brochure also includes a complete list of 15 warehouses and eight showrooms for the company. ■ Lewis Carpet Mills, Cartersville, Ga.

Circle 404 on inquiry card

PASSENGER ELEVATORS / A full-color brochure with design illustrations and engineering specifications for traction passenger elevators for medium-rise buildings is offered free of charge. ■ Haughton Elevator Div., Reliance Electric Co., Toledo, Ohio.

Circle 405 on inquiry card

FLUSH DOORS / An 8-page brochure in color describes a complete line of flush prefinished doors. Details on continuous wood block solid core doors, interior hollow and institutional hollow core doors, wood particle board and head-lined doors, B and label fire doors. Vinyl veneer doors also included. ■ Paine Lumber Co. Inc., Oshkosh, Wis.

Circle 406 on inquiry card

WHERE-TO-BUY HARDWOOD PLYWOOD / This guide lists major manufacturers and prefinished products of hardwood plywood and hardwood veneer, as well as suppliers to the industry. ■ Hardwood Plywood Manufacturers Assoc., Arlington, Va.

Circle 407 on inquiry card

CEDAR SHAKE AND SHINGLES / Full-color brochure shows textures and panels 8 ft long for fast application on sidewalls and roofs of homes, apartments and townhouses. Sections on application details and technical specifications are included. ■ Shakertown Co., Cleveland, O.

Circle 408 on inquiry card

STORAGE WATER HEATERS / Bulletin outlines sales, operating specifications data on a line of *N-Store* packaged storage water heaters. Complete dimensions, capacities and equipment furnished are included on both horizontal and vertical models. ■ Sellers Engineering, Chicago, Ill.

Circle 409 on inquiry card

LUMBER / Expanded to include additional design values and complete data on the full range of lumber sizes and grades, the 1973 edition of *Western Woods Technical Library* is available without charge to architects and specifiers. Included are the guides for selecting light framing lumber, estimating needed quantities of studs and paneling. Added are tables and design values for light framing lumber, joists and beams, planks and decking. ■ Western Wood Products Association, Portland, Ore.

Circle 410 on inquiry card

HARDBOARD SIDING / An extensive hardboard siding line is featured in 1973 "Exteriors" catalog. The page brochure illustrates the wide variety of siding styles currently available: smooth and textured; horizontal and vertical treatments; contemporary and traditional patterns; stainable, paintable and prefinished. ■ Sonite Corp., Chicago, Ill.

Circle 411 on inquiry card



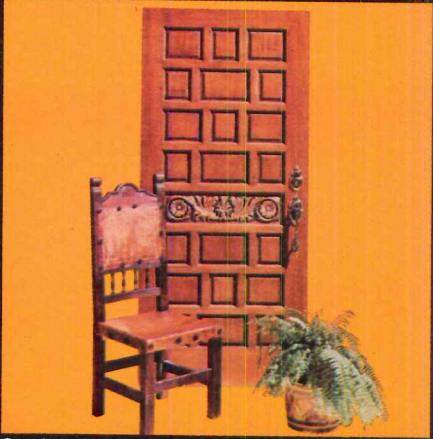
Redwood T&G lumber applied diagonally on office building complex



Pyrotect recessed edge acoustical panels in office waiting room



Pattern 8 Ruf-Sawn redwood plywood on California office building



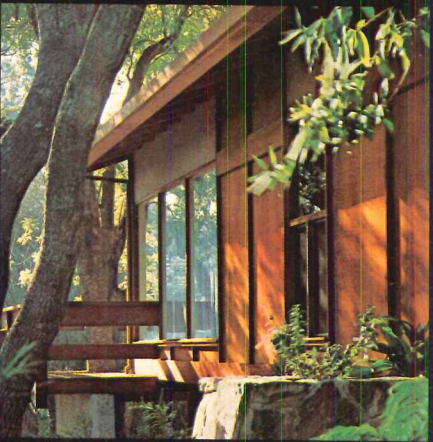
Castillo pattern from the International entrance door series



Pyrotex 100, the new dimension in acoustical ceiling systems



Innsbruck pattern from the International entrance door series



Premium Ruf-Sawn redwood Plywood on custom California home



Ruf-Sawn 316, woodgrain embossed overlaid plywood siding that extends paint life



Ruf-Sawn 316 used as siding on low-income housing project in Colorado

Simpson Architectural Products mean quality in appearance and performance

Nothing equals wood for adding an extra dimension of warmth and beauty to a structure. Whether you use it everywhere, or just for dramatic accent, it helps bring good design to life.

With over three-quarters of a century experience, Simpson can offer you a pattern, size and grade to fit every decorative and construction need, with quality and performance guaranteed.

You can choose beautiful, durable redwood lumber or Ruf-Sawn redwood plywood, decorative and acous-

tical ceiling materials, and decorator entrance doors that look like they cost twice as much as they actually do . . . plus Ruf-Sawn 316, an embossed overlay panel created by Simpson to make less paint last much longer.

Whatever requirements your designs create, chances are Simpson products can provide a better answer. For information on the above products write for literature packet RH3: Simpson Timber Company; 2000 Washington Building, Seattle, Washington 98101.

Simpson

A part of people's lives

For more data, circle 47 on inquiry card

Onan announces
**the first automatic
 transfer switch with
 plug-in solid-state
 control modules.**



It's one more reason to switch with Onan — the world's largest producer of standby power systems *and* the automatic transfer switches to make 'em work right.

New plug-in, solid-state control modules mean greater design potential for the consulting engineer.

Instant service in the field.

And the ultimate in silent, dependable operation.

Every one of these unique new Power Sentry™ automatic transfer switches is designed as an integral part of a complete Onan standby power system that includes engine, Generator, Controls, Transfer switch. And a nationally advertised 5-year warranty.

Optional features? More than enough to meet all of your design requirements.

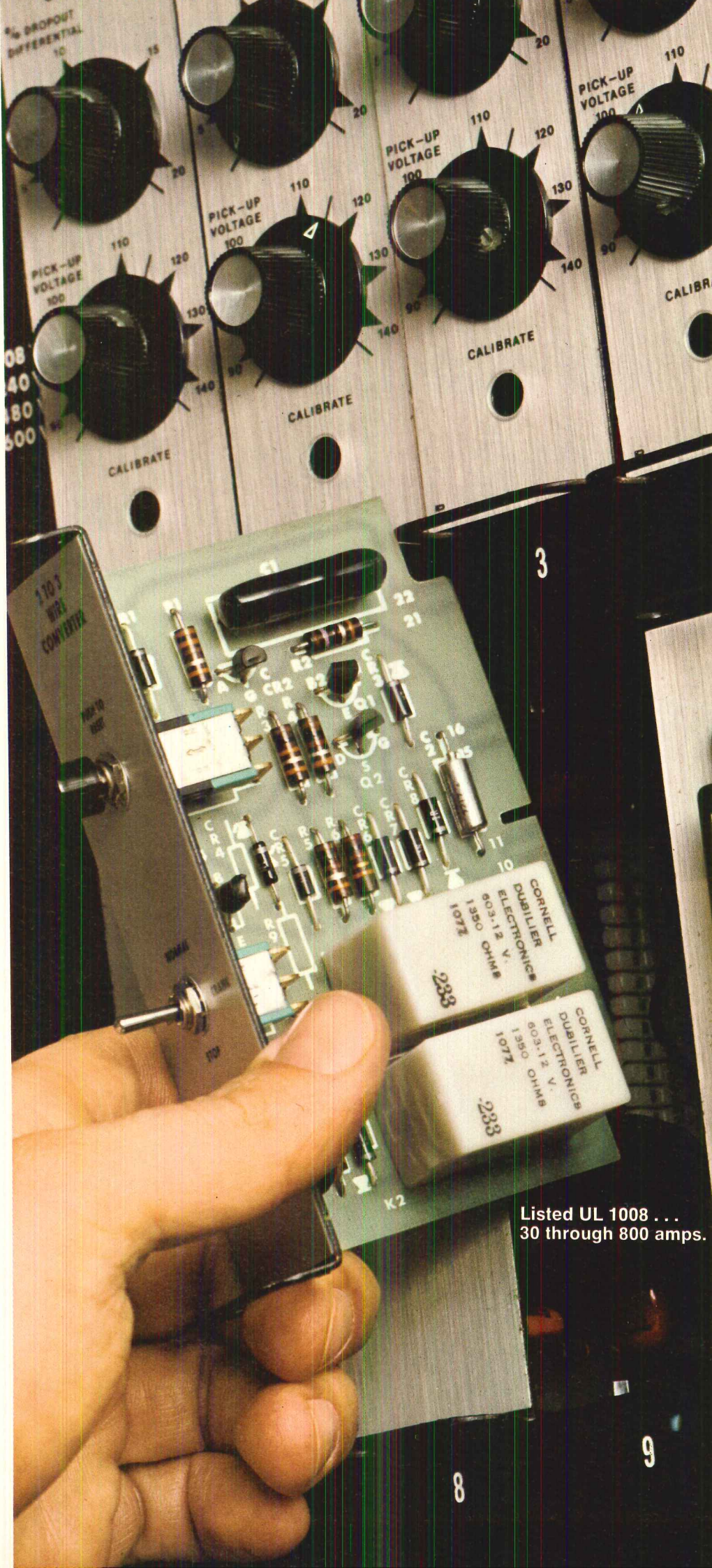
You'll also like the improved operational safety features, plus such benefits as our coast-to-coast parts and service network, and simplified purchasing (one spec, one purchase order).

Call your Onan distributor (in the Yellow Pages under Generators — Electric) for full details. Or write to:
 Onan Division, Onan Corporation,
 1400 - 73rd Ave. N.E.,
 Minneapolis, Minn. 55432



Power on demand
 for the **Good** things in life.

For more data, circle 48 on inquiry card



Listed UL 1008 . . .
 30 through 800 amps.



Winter or Summer:

Windows and doors made with Climate Guard™ extrusions can help reduce frost, condensation and heat loss.

If you're planning to build or remodel, Climate Guard is an important name to remember. Climate Guard extrusions, made under Reynolds patents are specifically designed with the homeowner in mind.

Most architects and builders know that wood windows can warp and rot, and even standard aluminum windows build up frost and condensation on the frame as the result of heat loss. But Climate Guard extrusions minimize heat loss through what is called a "thermal break." It's basically a groove in the aluminum extrusion filled with structurally sound plastic that forms an effective heat barrier between the two sections of the frame.

For the homeowner, this means heat stays out in summer, cold stays out in winter. A ther-

mal break reduces heating and air conditioning bills. Properly installed doors and windows made with Climate Guard aluminum extrusions mean less chance of damage to drapes, carpets or sills.

Talk to the Reynolds man about your next project . . . and where Climate Guard extrusions can save operating costs for your customer. Write: C. H. Chafin, Architectural Market Manager, Reynolds Metals Company, P.O. Box 27003, MPD Department, Richmond, Virginia 23261.



REYNOLDS
Where new ideas take shape in
ALUMINUM

ANNOUNCING

A TEST GUIDE FOR PROFESSIONAL EXAM CANDIDATES

THE 1973 ARCHITECTURAL REGISTRATION HANDBOOK

INDISPENSABLE INFORMATION
for candidates taking the new Professional Exam

REQUIRED READING
for all practitioners

The first "test guide" ever sponsored by the National Council of Architectural Registration Boards will shortly be available to assist candidates taking the December 1973 Professional Examination for architectural registration. The NCARB is the organization that prepares the examination which is administered by registration boards who grant individual state registration to those candidates who pass.

Although the primary purpose of this "test guide" is to provide specific guidance for those taking the examination, it also sheds light on the whole institution of registration and licensing as a professional prerequisite. Architects already in practice, both in the U.S. and abroad, could benefit professionally from having their own copy.

The Architectural Registration Handbook features:

- INSTRUCTIONS AND QUALIFICATIONS for applying for the new Professional Examination—as well as the equivalency examination.
- THE MODEL EXAM—includes questions similar to those on the actual Professional Examination which tests candidates' knowledge and judgement in the areas of environmental analysis, architectural programming, design and technology, and construction.

- A GLOSSARY OF TERMS AND IDEAS with which candidates must be familiar to deal effectively with each problem area.
- A BIBLIOGRAPHY OF RECOMMENDED READING AND REFERENCES encompassing the periodicals and books which define the general body of knowledge upon which the Professional Examination is based.
- ANSWERS TO SUCH QUESTIONS AS: How will the Professional Examination compare with the Model Exam? . . . How will the new examination be structured? . . . graded? . . . scored? . . . Is guessing a good idea? . . . Is there a predetermined pass/fail point? . . . What scores will be reported and to whom? . . . Will credit be given for passing individual parts?

In addition, the Handbook describes the philosophy of the new Professional Examination, views the changing role of the architect in today's society, and how the NCARB intends to help the professional after he is registered.

Never before have candidates for professional registration had an opportunity to purchase a test guide specifically prepared by NCARB. This 144-page, hardcover handbook is of the utmost importance to anyone taking the Professional Examination and will be of intense interest to all educators and practitioners.

The first edition of the Handbook is limited. To receive your copy promptly upon publication write to ARCHITECTURAL REGISTRATION HANDBOOK, Architectural Records Books, 1221 Avenue of the Americas, New York, New York 10020 or use the coupon below. (FULL PAYMENT OF \$18.50 PLUS 50¢ POSTAGE MUST ACCOMPANY YOUR ORDER)

ARCHITECTURAL RECORD BOOKS • 1221 Avenue of the Americas • New York, New York 10020

Please send copies of the Architectural Registration Handbook.

NAME _____

ADDRESS _____

CITY _____

STATE _____

ZIP _____

Full payment of \$18.50 per copy (plus 50¢ postage) must accompany your order.



Flintkote's design for elegant living...

Flintkote brings the outdoors in with RutherfordTM Brick — a floor you have to see (and touch) to believe.

A kitchen now can be as warm and inviting as the foods served there. That is, when the floor is Rutherford Brick. □ Part of Flintkote's Vinylcraft II series, Rutherford Brick is more like kiln-fired brick than reinforced vinyl. The authentic brick-like pattern is fused (not embossed) into each 12" x 12" tile. The result — three-dimensional texture and realism with a welcome breath of the out-doors. □ For any installation . . . commercial or residential . . . on, above and below grade. SIZE: 12" x 12" in 1/8" thickness.

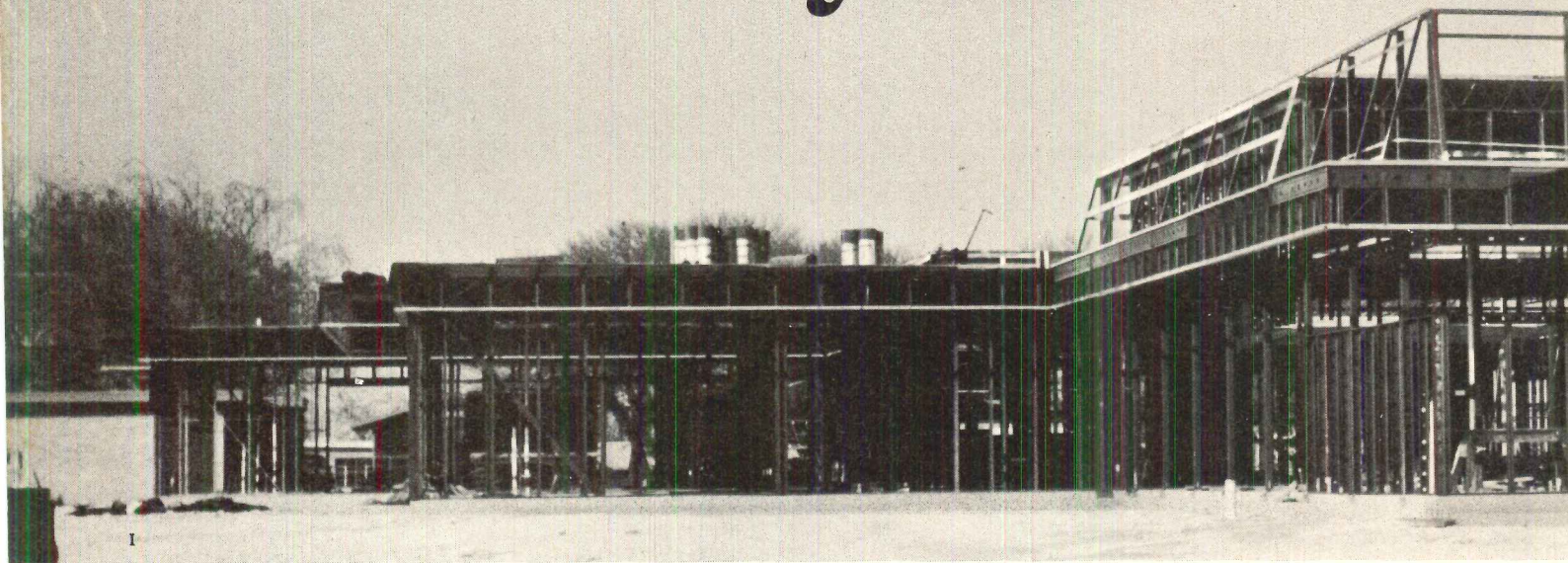
For more data, circle 51 on inquiry card

FLINTKOTE[®] FLOORING PRODUCTS
480 Central Avenue, East Rutherford, N. J. 07073



ALL NECCON Attendees invited to a fantastic Dinner of Choice and Entertainment at the Flitkote Show Booth

The savings on this convince you to use our



But the savings on

We don't expect to make a believer out of you by telling you about one building where our steel framing was used.

But when we tell you that builders all over the country are starting to use it, and are saving money, you'll probably wonder why.

And why not?

After all, our steel framing system is a great way to keep ahead of all kinds of rising building costs. Labor costs. Money costs. Lumber costs. And masonry costs. And what's more, our steel framing system is readily available. So there's no expensive waiting around for materials to arrive.

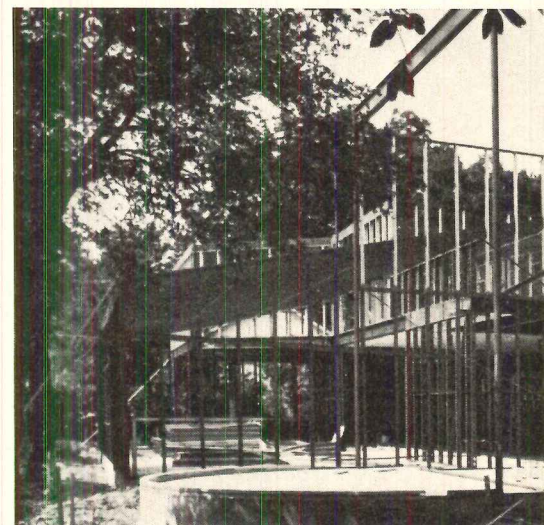
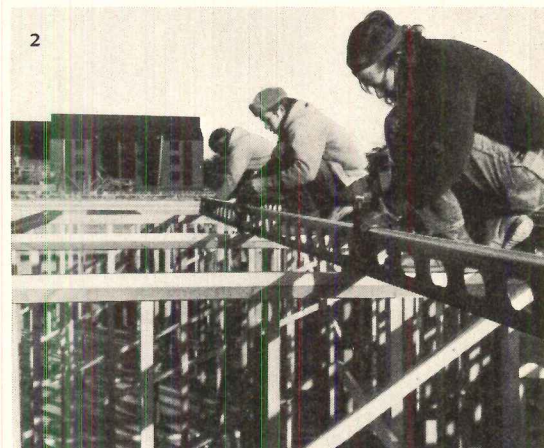
Furthermore, our steel framing system is the most complete lightweight structural system there is. And pound for pound it carries more load than any other framing system.

But there's more. Our steel framing system will take any interior or exterior material—brick, wood, stucco, gypsum. You name it. And any of these materials can be easily attached to it.

It's also easy and quick to install (**that's where the savings in labor costs come in**). Also, there's less scrap on the ground. And that cuts down on clean up time. And there's less of a pilferage problem, too.

Because of its lightweight, you also save on materials and foundation.

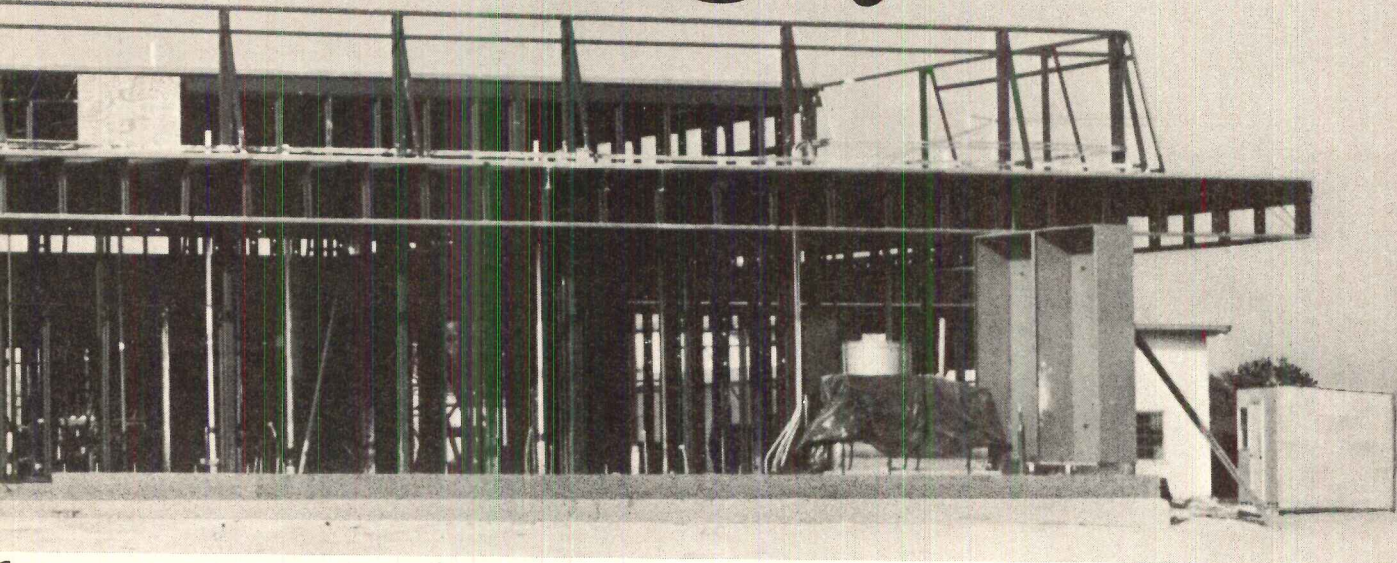
All joists and studs are pre-punched. So electrical and me-



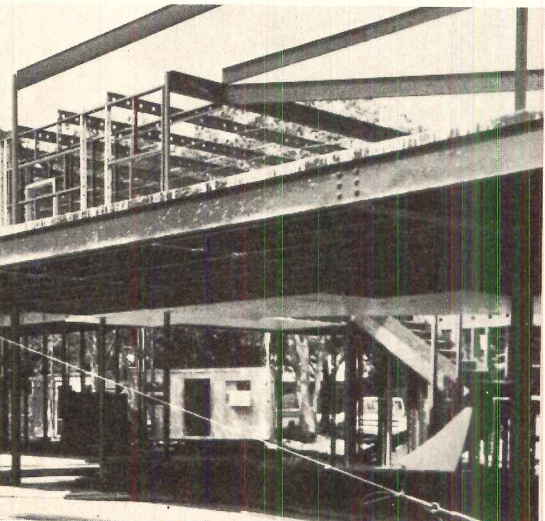
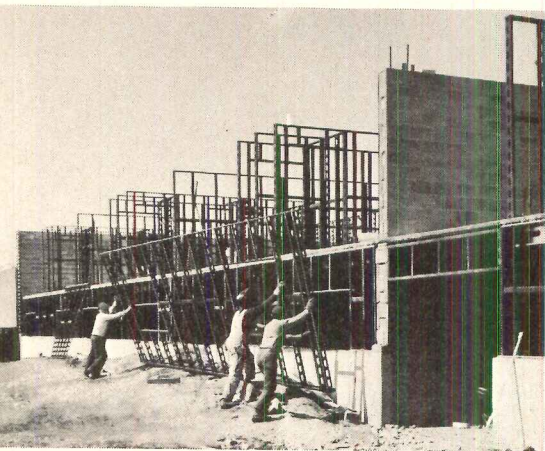
1. Marbridge Foundation Dormitory, Austin, Tex.
Architect: Barnes, Landes, Goodman, Youngblood, A.I.A., Austin, Tex.
Contractor: Star-Field Constructors, Austin, Tex.

2. Lakewood Hills Apts. Bldg. 2, Hershey (Dauphin), Pa.
Architect: Otto E. Reichert-Facilides and Associates, Phila., Pa.
Contractor: Penn Crest Construction Co., Leola, Pa.

ne building shouldn't steel framing system.



hese others should.



chanical service lines can be installed easily.

It's rigid. So it protects against nail "pops" or plaster cracks. That means less call-backs.

Joists and studs are easy to cut on site or in the fabrication shop. If you're into prefab, no problem. It can be prefabricated into panels on or off the site.

Our steel framing system will not shrink, swell, rot or warp. It is also non-combustible. And in certain areas of the country that might mean lower insurance costs.

All these are pretty convincing reasons why you should look into our steel framing system for your next building. Whether it's a townhouse, condominium, apartment, school or what have you.

Want to know more? Send for our complete brochure WC 487. You'll get all the information and load tables you want. Or if you need the information very quickly, contact the Wheeling district office in your area.

Either way, you'll get all the information you want. Because remember, we never know which advantage is going to convince you.



Wheeling Corrugating Company

Wheeling Corrugating Co., Div., Wheeling-Pittsburgh Steel Corp., Wheeling, W.Va.

96% of what we make builds highways, buildings and reputations.

3. Crestview Manor Apartments Unit C, Lee's Summit, Mo.
Architect: Terry W. Chapman Architects, Inc., Shawnee Mission, Kansas.
Installer: John Rice Welding and Erection Service, Belton, Mo.

4. Villa Maria Maternity Home, Houston, Tex.
Architect: Clovis Heimsath Associates, Houston, Tex.
Installer: Jim Doyle Co., Houston, Tex.

For more data, circle 52 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
Advertising Service 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	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	Willis W. Ingersoll 55 Public Square, (216) 781-7000
Denver 80202	Harry B. Doyle 1700 Broadway, (303) 266-3863
Detroit 48202	Richard D. Thielmann 1400 Fisher Bldg., (313) 873-7410
Los Angeles 90010	Richard R. Butera 3200 Wilshire Blvd.—South Tower, (213) 487-1160
New York 10020	Ted Rzempoluch (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

Andersen Corp.
American Olean Tile Company4th C
American Plywood Association123 t
American Standard, Plumbing & Heating Div.
Architect's Book Club133 t
Architectural Record Books
Armstrong Cork Co.2nd C

B

Bemis Mfg. Co.

C

Cabot, Inc., Samuel
Caradco Division of Scovill Mfg. Co.
Celanese Coatings Co.
Crawford Door Company

D

Darworth Inc.
Delta Faucet Company
DeSoto Inc.

E

Elkay Mfg. Company

F

Flintkote Co.
Florida Tile Div.—Sikes Corp.

G

Georgia-Pacific Corporation

H

hc Products Co.13
Heatilator Fireplace
Helo Marketing
Hercules Incorporated

I

India Nepal

J

Johns-Manville Corp.—Residential Div.

K

Knoll International
Kohler Company
Koppers Company, Inc., Forest Products Div.

L

Logan Co.

M

Majestic Co. Div. of American Standard
Masonite Corp.
McQuay Division McQuay-Perfex Inc.
Medusa Corp
Miracle Recreation Equipment Co.
Montgomery Elevator Co.

N

National Floor Products Inc.3rd C

O

Olympic Stain Company
Onan Division, Onan Corporation

P

Pella Rolscreen Co.12
Pinecrest Inc.
Potlatch Forests, Inc.
PPG Industries, Inc.12
PPG Industries, Inc., Commercial Glass
Preway Inc.
Progress Lighting

Q

Queen Products Div.—King Seeley Thermos Co.

R

Red Cedar Shingle & Handsplit Shake Bureau
Reynolds Metals Co.
Rohm & Haas Company

S

Shakertown Corp.
Sherwin-Williams Co.11
Sico Inc.
Simpson Timber Co.
Slater Electric, Inc.
Sub-Zero Freezer Co. Inc.

T

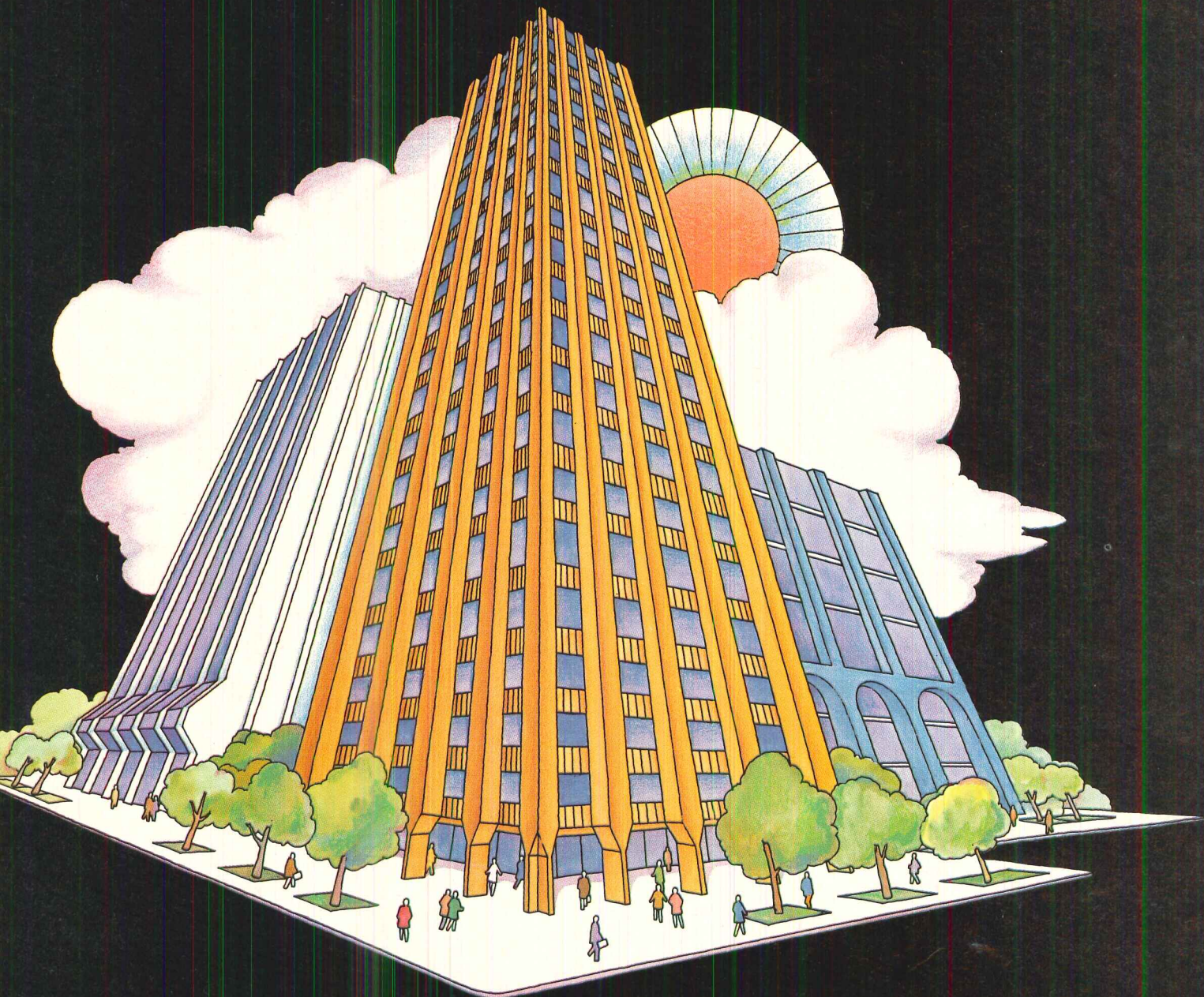
TPI Corporation

U

U.S. Plywood Corp.

W

Wheeling Corrugating Co.15



Bold, contemporary hi-rises need a bold, contemporary finish.

Hi-rise metal buildings offer uniquely different finishing challenges. DeSoto answers the challenge with uniquely different Fluropon!

More colors Fluropon offers more than the standard amber-bronze family colors. Fluropon means bright whites, brilliant blues, gregarious golds, and gorgeous garnets that hold their "like-new" freshness.

More color consistency Fluropon gives batch-to-batch, year-to-year color consistency. No inconsistency in intensity . . . ends worry about color parameters of acceptability. Fluropon® offers a "dead-on" match. Curtain walls can have and hold a total unit look that makes for high dramatic impact. Fluropon's color match and durability means damaged panels can be replaced and not show "old" and "new."

More color intensity Fluropon's a full-strength fluorocarbon with long-life color retention. Virtually maintenance free. Non-static . . . rain washes away

dirt that could dull your high-rise construction's true colors.

Consider & compare Fluropon offers: • wide variety of colors • consistency in color and coating thickness • non-static • longer life expectancy • fewer production, on-site, or durability headaches.

Consider the cost, color, consistency and life expectancy . . . then consider the alternatives.

For hi-rise metal construction—buildings that weather weather better—you owe it to yourself, to them, to be bold, contemporary—to go Fluropon.

Write or call for our "Think Exciting Fluropon" color chart brochure:



DeSoto, Inc.

Chemical Coatings Division, 1700 South Mt. Prospect Road
Des Plaines, Illinois 60018 (312) 296-6611

MOTHER NATURE, PPG AND PATRICIA COPLANS COLLABORATED ON THIS LOW MAINTENANCE HOUSE

Mother nature supplied the natural cedar boards, PPG supplied the long-life DURACRON® coatings, and Patricia A. Coplans, put it all together.

Result? Her compact, three-story wood and metal house overlooking the Golden Gate bridge and the Pacific Ocean was selected by RECORD HOUSES as one of the 20 outstanding homes built in the U.S.A. during 1972.

It's a home designed to "open up to the sun," with a large skylight over the two-story living room. And glass walls and roof

enclosing the dining room at the rear.

For the exterior, Miss Coplans wanted more than eye-appealing design. This house was to be as maintenance-free as ingenuity and modern technology could make it. So all the metal — skylight frames, window sash, gutters and downspouts and metal roof — was coated with DURACRON Super 800 acrylic enamel, brick red color to contrast with the diagonal cedar boards.

These DURACRON coatings are baked-on scientifically. Won't chip, peel,

or flake. And they'll keep their color in spite of the sun, wind, and relentless fog of the bay area. With little or no maintenance.

Want to collaborate with PPG on a low maintenance house? Look for DURACRON coatings from PPG in Sweet's Architectural or Industrial/Construction Files 9.10/PPG. Or contact the Market Manager, Extrusion Coatings, PPG Industries, Inc., Dept. 13S, One Gateway Center, Pittsburgh, Pa. 15222

PPG: a Concern for the Future

For more data, circle 54 on inquiry card

Owner/Builder:

Patricia A. Coplans, San Francisco, California

Extrusion Color Coater:

O'Keeffes, Inc., San Francisco, California

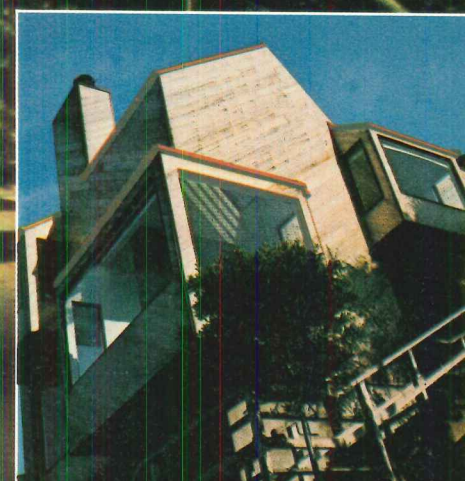
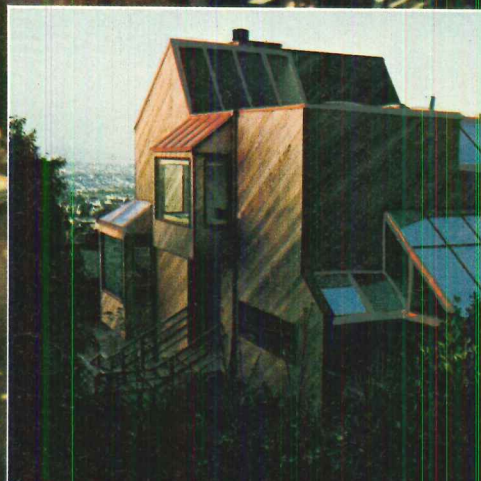
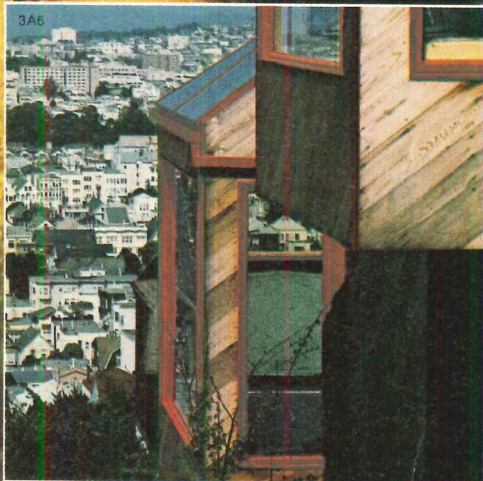
Architecture and Planning:

Burger & Coplans, Inc.

Extrusion
Coatings



INDUSTRIAL



UNIFLOR^{T.M.}: Luxurious Vinyl Flooring ... for Kitchens and Outdoor Patios.



Nafco UNIFLOR is a revolutionary new product . . . indoor/outdoor vinyl flooring that really works! UNIFLOR is unlike any flooring material you've ever seen. It looks and feels just like actual kiln fired brick set in mortar, but it's pure vinyl. And it can be installed outdoors on patios, walkways—even around swimming pool perimeters. The unique construction of UNIFLOR makes it practical to extend the same floor from kitchen or den right out on to an exposed patio to give new design unity and practical utilization of space.

Because it's made in six foot wide rolls, installation of UNIFLOR is fast and economical. Simple installation technique makes a completely seamless, one piece floor which is water proof and weather resistant.

Like to know more about Nafco UNIFLOR? Send us your name and address.

We'll send you a sample and full details.



NATIONAL FLOOR PRODUCTS CO., INC.

P. O. Box 354, Florence, Ala. 35630

Redi-Set ceramic tile—it's beautiful! Easy to clean, even between the tiles



In fact, it's as easy to clean *between* the tiles as to clean the tiles themselves. Just wipe, and the grout (which is that material that fills the spaces between the tiles) is snowy white again. It's a very special grout, and all you do to get it, is ask for American Olean's Redi-Set® glazed tile.

Now then, what's Redi-Set?

Redi-Set is ceramic tile that has been grouted together beforehand by us. These pregrouted sheets of tile save your tile man grouting time on the job. If

you're remodeling, he's often out of the house in one day.

You'll find that the special Redi-Set grout used in the sheets is smooth and poreless, to help it resist stains and mildew. And it won't crack or chip either—even around the tub.

That's Redi-Set ceramic tile above in Autumn Gold, shown with our Primitive® tile in Hearth on floor and countertop. Visit your nearest American Olean showroom or your tile contractor, listed in the Yellow Pages.



American Olean Tile Company
1830 Cannon Ave., Lansdale, Pa. 19446

Here's 10¢ for your New Decorating Ideas booklet that tells about Redi-Set. We're remodeling, building.

Name _____

Street _____

City _____ State _____ Zip _____

American Olean
A Division of National Gypsum Co.

American Olean ceramic tile. It's the natural thing to use.

For more data, circle 56 on inquiry card