

residential architect

A HANLEY-WOOD PUBLICATION | VOLUME 11 NUMBER 2 | FEBRUARY 2003

housing guru
rodney friedman
finds a new forte

back to school



graves' target practice / virtual virtuosos /
true to your school / away from home /
learning curve / meier's mutable hue

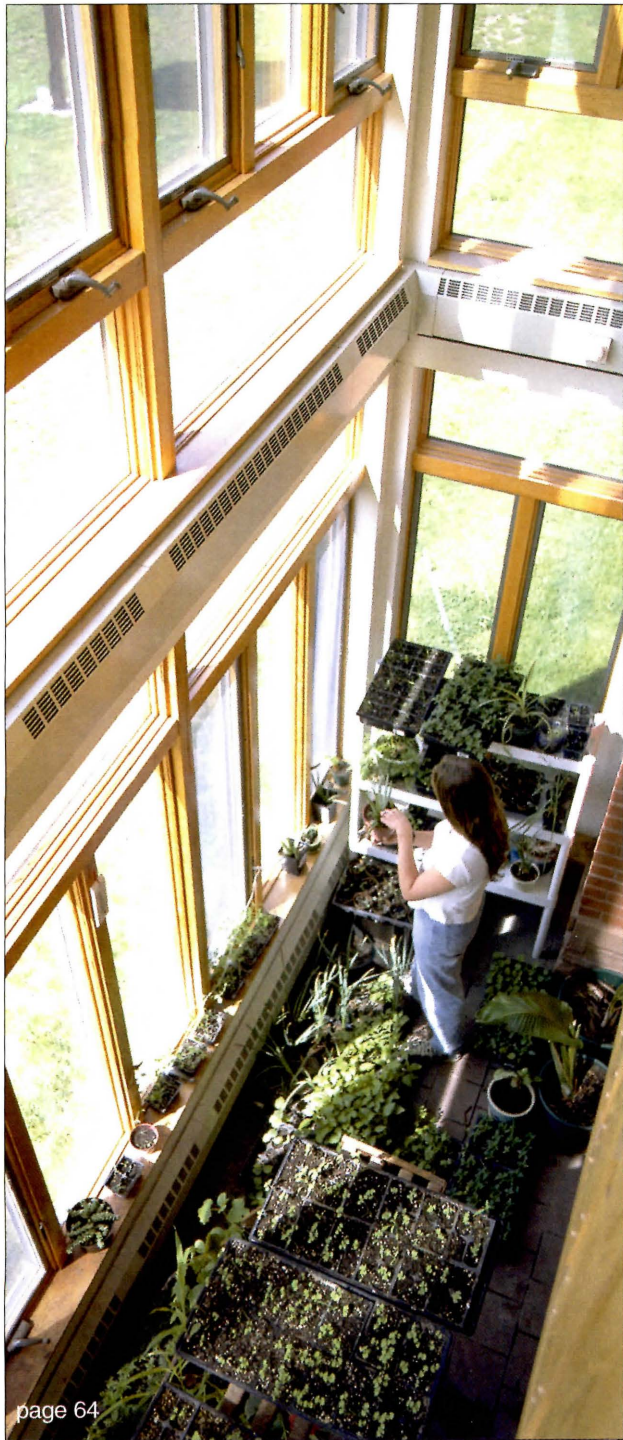
www.residentialarchitect.com

Truly visionary.

From Rolscreen® to Between-the-Glass Blinds, Pella innovations make you look smarter.



contents



page 64

Botany bay: Students who live in Northland College's Environmental Living and Learning Center dorm grow their own greens. Above photo by Peter Kerze Photography; cover photo of Rodney Friedman by Bryce Duffy/SABA.

from the editor...page 13

letters...page 15

home front...page 20

Graves' Target practice / Virtual virtuosos / Choice works / Summer school / Calendar

perspective...page 30

Herbert S. Newman, FAIA, shares his hard-earned lessons in student housing design.



practice...page 36

Residential architects needn't stay in the house all day.



cover story:

back to school...page 54

Former merchant housing maven
Rodney Friedman gets new respect
on campus.

by S. Claire Conroy



learning curve...page 64

Student housing that rivals the best market-rate
apartments. *by Cheryl Weber, Meghan Drueding,*
Nigel F. Maynard, and Shelley D. Hutchins

doctor spec...page 78

Low maintenance makes composite lumber an easy deck spec.



architects' choice...page 84

Production housing architect Adele Chang
showcases her favorite L.A. specs.

new material...page 86

Piping-hot products for your next project.

off the shelf...page 92

These stylish, sturdy siding products cover all the bases.

end quote...page 112

Richard Meier's mutable hue.

SAMSUNG

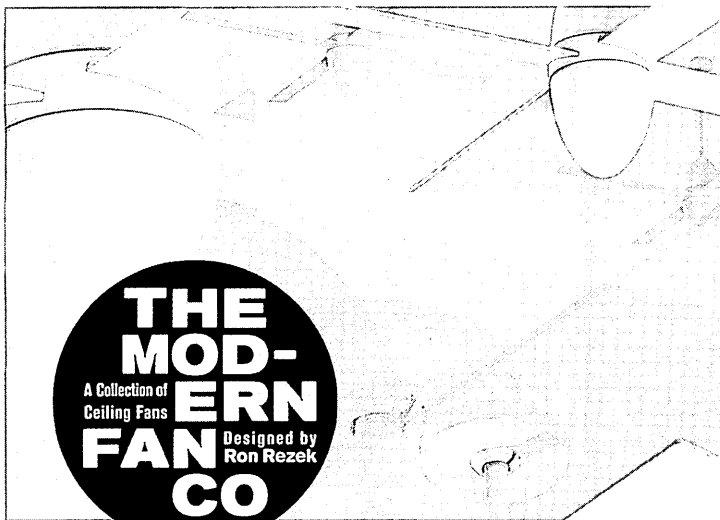


SPECIFY STARON® BY SAMSUNG FOR YOUR PROJECTS, AND YOU'LL HAVE ENOUGH LEFT IN THE BUDGET FOR OTHER DESIGN OPTIONS AND KEY UPGRADES. WITH MORE THAN 50 TASTEFUL COLOR CHOICES, YOU CAN ADD ELEGANCE TO ANY KITCHEN OR BATH—AND GIVE YOUR DESIGN A VERY COOL EDGE. FOR MORE INFORMATION, VISIT WWW.GETSTARON.COM/DESIGN6 OR CALL 1.800.795.7177 EXT. 380.

Circle no. 262

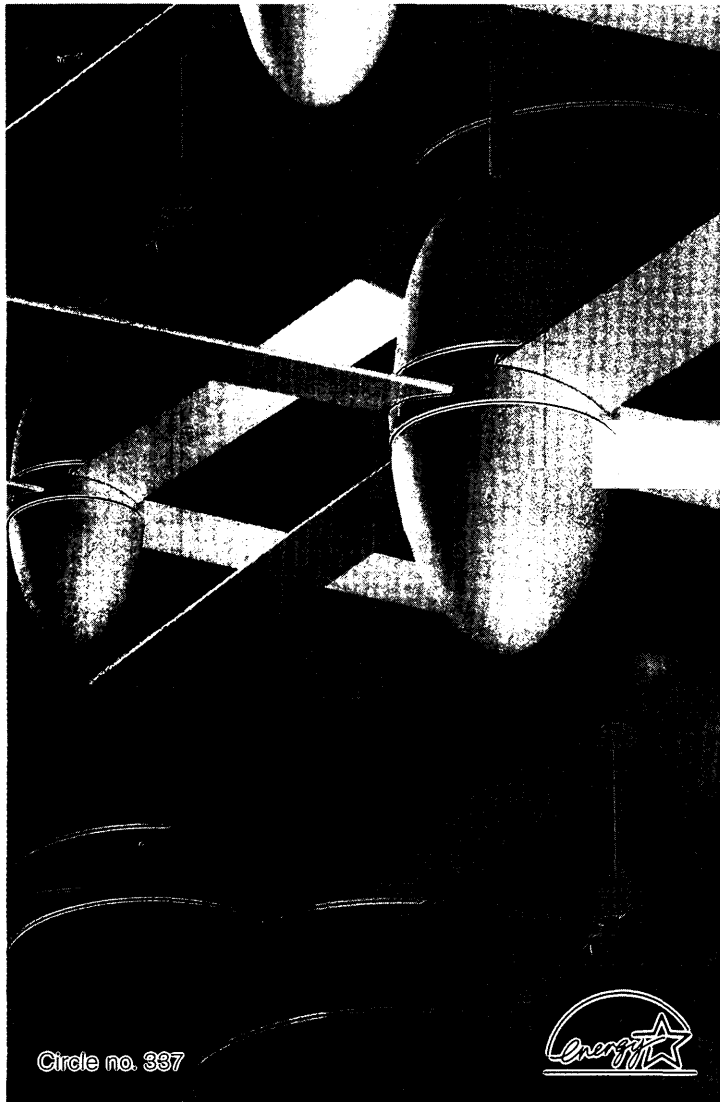
tasteful

staron®



the rebirth of cool.

fan featured whirlybird
visit us online www.modernfan.com
or contact us for more information 888.588.3267



Circle no. 337



residential architect®

A HANLEY-WOOD PUBLICATION / JANUARY • FEBRUARY 2003

S. Claire Conroy / Editor / 202.736.3312 / cconroy@hanley-wood.com
Judy H. Neighbor / Art Director / 202.736.3331 / jneighbo@hanley-wood.com
Melissa Worden / Managing Editor / 202.736.3442 / mworden@hanley-wood.com
Meghan Drueding / Senior Editor / 202.736.3344 / mdruedin@hanley-wood.com
Nigel F. Maynard / Senior Editor / 202.736.3438 / nmaynard@hanley-wood.com
Shelley D. Hutchins / Assistant Editor / 202.736.3407 / shutchins@hanley-wood.com
Kay Engman / Assistant Art Director
Maria Bishirjlan / Senior Graphic Designer
Catherine Underwood / Production Director
Johanna Daproza / Production Manager
Jamie Phillips / Ad Traffic Manager
Marc Tagliento / Ad Contracts Coordinator
George Brown / Digital Imaging Manager
Betty Kerwin / Digital Imaging Coordinator
Fred Weisskopf / Digital Ad Coordinator
Donna Heuberger / Circulation Manager
Lucy Hansen / Marketing Director
Melissa Dole / Marketing Manager
Michael Boyle / Publisher
Peter M. Goldstone / President / Magazine Division
Ron Kraft / Director of Magazine Operations
Eran Willbanks / Executive Assistant

Contributors

Susan Bradford Barror / Vernon Mays / Cheryl Weber



Published by Hanley-Wood, LLC
Publisher of BUILDER, BUILDING PRODUCTS, CUSTOM HOME, HANLEY-WOOD'S TOOLS OF THE TRADE, PROSALES, REMODELING, THE JOURNAL OF LIGHT CONSTRUCTION, and *residential architect*

Michael M. Wood / Chief Executive Officer
Frank Anton / President
John M. Brannigan / Executive Vice President
James D. Zielinski / Chief Financial Officer
Frederick Moses / Chief Operating Officer
John Doyl / Vice President / Finance
Nick Cavnar / Vice President / Circulation and Data Development
Jeff Fix / Vice President / Human Resources
Joanne Harap / Vice President / Production
Ann Seltz / Vice President / Marketing
Kari Christianson / Business Systems Manager
Aaron Packard / Director of Information Technology
Editorial and Advertising Offices:
One Thomas Circle, N.W., Suite 600
Washington, DC 20005
Phone 202.452.0800 / Fax 202.785.1974

Volume 7, number 1. *residential architect* (ISSN 1093-359X) is published 9 times a year (January/February, March, April, May, June, July, August, September/October, November/December) in 2003 by Hanley-Wood, LLC, One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 2002 by Hanley-Wood, LLC. Opinions expressed are those of the authors or persons quoted and not necessarily those of Hanley-Wood. Reproductions in whole or in part prohibited without prior written authorization. *residential architect* is sent free of charge to qualified readers involved in the residential home design market. The publisher reserves the right to determine qualification criteria. Out-of-field subscription rates are: U.S., \$39.95; U.S. students, \$19.99; Canada and all other countries, US\$49.95; airmail is additional. Single-copy price is \$10.00. For subscription information write to: *residential architect*, P.O. Box 3241, Northbrook, IL 60065-3241. Subscriber customer service: 888.269.8410 / Fax: 847.291.4816. Reprints: 866.879.9144, ext. 177. Periodicals postage paid at Washington, DC, and at additional mailing offices. Postmaster: Send address changes to: *residential architect*, P.O. Box 3241, Northbrook, IL 60065-3241. This issue mailed in regional editions.

residential architect will occasionally write about companies in which its parent organization, Hanley-Wood, LLC, has an investment interest. When it does, the magazine will fully disclose that relationship.

Privacy of mailing list: We rent our subscriber list to reputable companies. If you do not wish to receive promotional material from other companies, please call us, toll-free, at 888.269.8410.



where will the loft-lovers live?

who's building the move-up home for today's condo cognoscenti?

by s. claire conroy

name one new modern subdivision. I'll bet you can't." That was the challenge from our cover guy, Rodney Friedman, FAIA, a former leader among cutting-edge merchant-housing designers (see page 54). At the time, when put on the spot, I couldn't think of one either. After a few days pondering and consulting with my colleagues, we came up with a couple: Aqua, just north of Miami Beach in Florida, and Prospect New Town, 30 minutes from downtown Denver, in Longmont, Colo. Just a couple out of the thousands of new subdivisions sprawling across the country—and only Prospect is building single-family homes. To see them, boot up and go to www.aqua.net and www.prospectnewtown.com.

Interviewing Friedman, who trained with William Wurster at the University of California, Berkeley, and was a teaching assistant for Charles Eames, reignited my nostalgia for Mid-Century Modern and even '70s "Contemporary." Friedman's anger at the Dark Ages that followed those years of innovation and creativity rubbed off on me. Why has experimentation in single-family

housing design been restricted to wealthy patrons of custom architecture? Every new merchant-built detached house is swathed in a bygone style. No developers, with the exception of Kiki Wallace at Prospect and Craig Robins at Aqua (with the guidance of planners Duany Plater-Zyberk), have had the guts to put modern design on the outside of their houses. I have nothing against historicist styles if they're done well, but they shouldn't be the only choice out there. Friedman gave up and carved out a new career doing campus housing.

He's also designing loft apartments in downtown San Francisco. His adaptive reuse of the Oriental Warehouse building into live/work units won an Honor Award from AIA San Francisco. It's lovely, edgy, forward-thinking work. The units sold out. And here's where my glimmer of hope lies. I think if Friedman, who's 69, is willing to keep on working for at least another five years, he'll draw some modern—with a lowercase "m"—houses again. After all, those 30-something loft buyers in San Francisco—and every other major city in the country—are going to want a house some day. For them, the



Mark Robert Halper

suburban pseudo-Colonial just won't do.

This market knows something about design. Many people credit the plethora of architecture magazines in the '50s for broadening public taste and knowledge of architecture. We have a similar bounty of shelter magazines nowadays (although somehow, fewer professional architecture journals). Home design books by residential architects such as Sarah Susanka and Dennis Wedlick also are selling well; home shows are all over cable television. And new contemporary furniture stores are ready to fill those sleek lofts with something interesting and appropriate.

We're whetting an appetite that we won't be

able to satisfy with new single-family homes. A friend of mine, newly married and expecting a baby, moved out of her urban condo and into a '60s split-level in the suburbs. That's as close to modern as she can find right now. It's great for the remodeling market, but it's a blow to the new-home market. Builders and developers are Rip Van Winkles; they've been asleep for 20 years, and they'd better wake up. **ra**

Questions or comments? Call me: 202.736.3312; write me: S. Claire Conroy, *residential architect*, One Thomas Circle, N.W., Suite 600, Washington, D.C. 20005; or e-mail me: cconroy@hanley-wood.com.

WANT A *Blue*
THAT WEARS WELL OVER TIME?



CHOOSE

Yellow

Circle no. 225

For complete project support, call 1-800-US-STAIN, ext. 347 or visit www.cabotarchitect.com

keep those cards, letters, and e-mails coming.

I am an admirer of your magazine and appreciate a publisher dedicating all its efforts to residential architecture. We always look forward to the annual design awards issue (our firm was represented in the [May] 2000 issue). With all the beautiful layouts and well-written pieces you produce, there is one significant element missing: Plans! Architects love ... need ... just gotta have floor plans (and, when possible, site plans) along with photographs to adequately explain the design architects' intent. Please start adding them to the features.

The editor replies: Dear Mr. Wellen: Ask and you shall receive! You may already have noticed many more floor plans and site plans on our pages (our November–December 2002 “Big House Clinic” story, shown below, is full of them). And, barring anything unforeseen, you’ll find them in our annual Residential Architect Design Awards issue in May 2003.

I appreciated your thoughts in your April 2002 editorial ("Clients' Choice," page 13). A minor clarification—we don't "supervise" the construction; we observe and monitor it. I just designed a new home in Los Altos, Calif. The builder the owners selected seemed like a good guy. In

the first week he had some suggestions for improvements. One was to change the foundation detail we had spent hours developing. It was important to the appearance of the building. It was his first suggestion that the detail would not work well, and he proposed making it “better” and more in line with “typical” convention. If I hadn’t been there, the owners probably would have said yes without knowing what they had given up (\$5,000 or so). If they had decided to give that up, the “improvement” by the contractor should have come with a significant credit. I find myself doing this all the time during the construction process. Owners really need a third party to be their advocate. I find I sometimes save the client a third

process. Their emphasis is getting to the building part and doing a quick job on the design. I could go on and on ...

I do a very soft sell on these issues to potential clients. I believe architects add a lot of value and, in the end, do not necessarily cost as much as their fee once you've factored in the savings mentioned above. I tell people that whether they hire me or not, they should do themselves a favor and hire an independent architect who has their interests as a primary concern. If people get it, they get it. Sometimes they don't, and they need to find out on their own.

Edward Kaplan, AIA,
NCARB
Kaplan Architects
San Francisco

of my fee with similar types of issues during the construction process.

Much money also is saved by having a good set of contract documents—a clear road map for construction. Contractors who offer “free design services” do not spend the time needed for a thorough design

■ just wanted to let you know how beneficial your editorial ("Clients' Choice," April 2002, page 13) has been in confirming and supporting our ongoing battle of gaining a client's appreciation for the fees associated with design.

We have shared it with prospective clients who seem to struggle with the costs of a seemingly intangible service. Well written

continued on page 17

residential architect / january · february 2003



Looking to spec doors?
We have over 14,200 to choose from.
www.ebuild.com

Now you can find all the product information you need instantly.
Search. Find. Compare.

You'll find everything from product descriptions, diagrams, and dimensions to installation instructions and supplier locators.
Best of all, It's FREE!

ebuild
THE PROFESSIONAL'S GUIDE
TO BUILDING PRODUCTS™



ScapeWEL® Window Wells ...

- Add daylight and ventilation to lower-level living areas
- Meet IRC 2000 code requirements for emergency egress
- Are more cost-effective than site-built window wells
- Feature an attractive terraced step design that can be used as a planter
- Are constructed of an advanced composite material

Get More Out Of Your Basements

with Bilco Better Living Basement® products

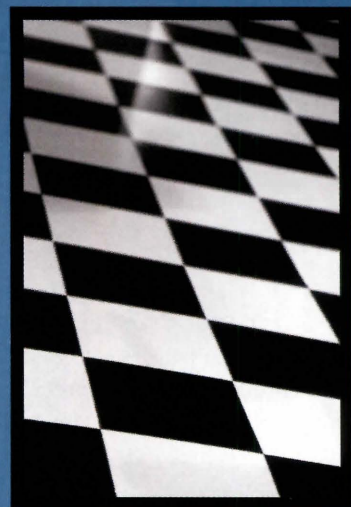


Bilco Doors ...

- Provide an extra large opening for easy basement access
- Meet IRC 2000 code requirements for emergency egress
- Feature quality construction and weathertight design
- Are equipped with lift assistance for easy operation
- Can be delivered and installed complete with concrete steps

Bilco®

For more information,
Call **800-854-9724**
or log on to
www.bilco.com
Circle no. 206



Looking
for the perfect
flooring products?

We have
over 5,600
to choose from.

www.ebuild.com

Now you can find all
the product information
you need instantly.

Search. Find. Compare.

You'll find everything
from product descriptions,
diagrams, and
dimensions to installation
instructions and
supplier locators.

Best of all, It's FREE!

ebuild
THE PROFESSIONAL'S GUIDE
TO BUILDING PRODUCTS™

and easily understood, it has helped to create a dialogue with clients who are considering a custom home and are being lured by some of the other options you mentioned—including the “free” services of a design/build firm and the “custom” builder.

Thank you for reinforcing our professional abilities and the investment they represent to the owner.

*John McLean
OMS Architects
Spokane, Wash.*

housing architects unite!

I have read with interest the letters and e-mails from your readers in response to your “Mr. Plan Man” cover story (January–February 2002, page 44). The letters published in your June 2002 issue include one from another insulted architect, Genevieve Urban, of Ratcliff Architects in Emeryville, Calif. I got the impression from her letter that if Mr. Gardner’s sketches had been more to her liking, then perhaps what Mr. Gardner was doing—selling plans—would not have been so “disgusting and horrifying.”

The second letter, from Wolff Garritano of LaFayette, N.Y., makes a good case for the failure of architects to address mass-produced housing. Many would agree that architects

often appear condescending and elitist, which is particularly inappropriate in addressing the housing needs of working Americans. While I appreciate Mr. Garritano’s comments, I am again dismayed that he, Ms. Urban, and previous respondents have been so unaware for so long. It is as if they have suddenly realized that mass-produced housing is all around them and is as important architecturally as the latest Guggenheim or \$10 million house.

I have devoted my 35-year architectural career to production housing, apartments, condominiums, and large-scale single-family developments—and I’m far from alone. Your magazine has featured many of my architectural peers in the housing business. Notable architects include: Barry Berkus, Rodney Friedman, Walt Richardson, Quincy Johnson, Don Evans, Jack Bloodgood, Arthur Steinberg, Carson Looney, Bill Kreager, Michael Pyatok on the cover of your June 2002 issue, and hundreds of others around the country. We’ve all worked hard and long to create better communities and homes and to forward the value of architectural design in the housing business. But it is disconcerting when architects who haven’t been involved suddenly realize that housing is important and react with the blanket assumption that “architects have not

“i want to see more articles on people starting firms.”

been involved.” Some of us have been.

The New Urbanists led by Andres Duany have done much in delineating the problems with suburban development. And they have been influential in helping more architects understand the importance of mass-produced housing design. For those architects who are beginning to take an interest, welcome aboard, and please look up your fellow architects who are currently involved. We’re happy to help. In Denver, we started a housing committee of the AIA to get to know each other and share concerns and ideas. Architects in Houston, Seattle, and elsewhere have done the same. Our goals have included increasing the quality of community design and bringing the importance of housing design to the attention of the mainstream of our profession. The debate in your magazine should help forward this agenda. I just hope we can now begin to tone down the rhetoric.

*Michael Kephart
Kephart Architects Inc.
Denver*

war stories

I love your magazine. It’s full of great articles, and I always clip at least one article to keep for future

reference. However, I have a bone to pick with you. As much as I love *residential architect* I want to see more articles on people starting firms.

My partner and I have been in business for almost four years and we’re not sure if the trouble and tribulation we’re going through is typical or abnormal. (Even in the June 2002 issue, the firm you called “up-and-coming” [“Rising Star,” page 58] had a partner who has been in business for more than 20 years.) I would love to read about how average people get their business going. Anyone who didn’t go the typical route—work for a name firm and then steal clients, or work for a name firm and then teach—would be a bonus.

I think you’re going to have a hard time finding these people, but I hope you’re up to the challenge. We young firms need this.

*Clare Montechio
Red Maple Workshop
Architecture
Petaluma, Calif.*

The editor replies: An excellent idea. Readers: If any of you are running start-up firms of two to five years, let us hear from you. See the “From the Editor” column on page 13 for my contact information.



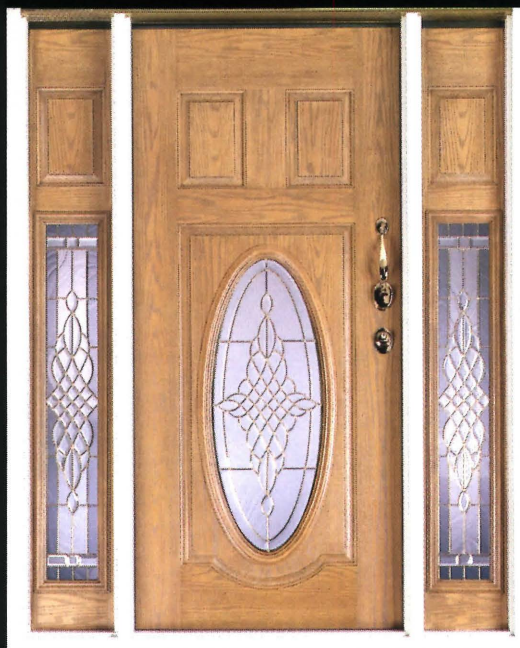
Masonite. The Beautiful Door.™



Fiberglass Wood-Grain Entry Systems

Oakcraft™ Entry Doors impart incredible warmth to a home's entry, accentuating the personal style of the house and the homeowner. Painted or stained, Oakcraft Fiberglass Doors have an exceptional texture that replicates the appearance of natural wood doors.

Engineered for beauty and strength, the wood grain of these durable fiberglass doors is significantly deeper than similar products. Oakcraft Doors feature a polyurethane insulated core delivering exceptional thermal performance and energy efficiency. Oakcraft also features a square, wood-edge construction for the look and machinability of a real wood door. The combination of innovative designs, beautiful appearance, low maintenance and energy efficiency makes Oakcraft Doors the natural choice. Masonite. The Beautiful Door.™



Circle no. 64

www.masonite.com

Masonite, Oakcraft and Masonite. The Beautiful Door. are either registered trademarks or trademarks of Masonite International Corporation.

home front

tips and trends from the world of residential design

target practice

“the best way to execute all this was to partner with the builder for a seamless marriage of design and production.”

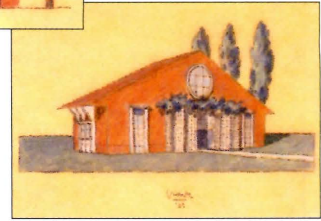
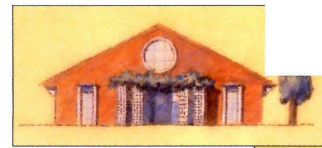
—gary lapera, aia

Owning a Michael Graves-designed house just got a little easier. The architect has partnered with his favorite consumer venue, Target stores, and Lindal Cedar homes to produce a high-design kit home for the masses. To launch the project, Target held a sweepstakes for newlyweds through its gift registry service “Club Wedd.” (Winners had not been selected by press time.) Singles and others can purchase the home from the company’s Web site at www.target.com. Gary Lapera, AIA,

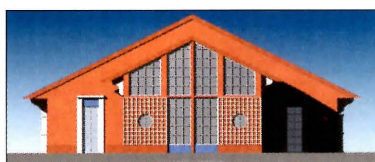
principal with Michael Graves & Associates, says the firm’s motivation to participate was simply their belief in Target’s credo: “Good design at affordable prices.”

Would-be Graves homeowners can choose from several living-space variations among the approximately 2,000-square-foot plans. Custom options include millwork and built-ins, such as bookshelves and a breakfast table. Lapera compares the details to “those of a post-and-beam house—elegantly simple in a way that expresses the craft of construction and integrity of materials.” To ensure a consistent Graves look throughout the house, the firm also specifies such interior features as cabinets, floor finishes, and paint colors.

“The best way to execute all this,” says Lapera, “was to partner with the builder for a seamless marriage of design and production.” Lindal will compile the house plans and materials and ship it to almost any site in the world. More than 200 Lindal dealers are located around the globe to oversee the building process. —shelley d. hutchins



Michael Graves’s signature peaked roof, low eaves, and vivid colors were especially tailored to his Target market.



Courtesy Michael Graves & Associates



Courtesy Dacra Development

virtual virtuosos

architects Gustavo Bonevardi and John Bennett don't believe in specializing. Their firm, PROUN Space Studio in New York City, produces everything from built houses to corporate identities to museum exhibits. Last fall, they helped design the Tribute in Light, the much-talked-about towers of light memorializing the World Trade Center.

This year marked the unveiling of a \$100,000 virtual architectural tour video they made promoting Aqua, a high-end residential community under construction in Miami Beach. Developer Dacra commissioned the video, giving PROUN creative free rein. High-profile architects involved in Aqua include master planner Duany Plater-Zyberk in Miami, New Yorkers Hariri & Hariri and Alexander Gorlin, and eight others; Bonevardi and Bennett met with many of them and visited the site several times.

The result is a playful, not-quite-lifelike video that conveys a feeling of security and optimism. "What's interesting to us is the fundamental character of a project," says Bonevardi. "We were trying to create a mood, rather than be absolutely photo-realistic." At different points a beach ball bounces through the virtual pool area, brightly colored renderings of the community's Modernist homes drop like rain across the screen, and perfect clouds float speedily across a blue sky. An upbeat music track by British electronica master William Orbit plays throughout the four-minute segment.

Bonevardi thinks virtual architectural tours will only grow in popularity. "It gets cheaper and simpler to do all the time," he says. "It's a terrific tool."—*meghan drueding*

choice works

Split between two decidedly different architectural styles, the judges of BUILDER magazine's 22nd Annual Builder's Choice Awards (sponsored by Hanley-Wood, LLC, which also owns this magazine) handed out two top honors: Project of the Year and Home of the Year.

Best project went to The Sentinels, a cluster community of production homes in Santaluz, near San Diego. Designed by Scheurer Architects in Newport Beach, Calif., the homes aim for a rustic, European charm.

The highly custom, hard-edged Gallegos residence on California's Santa Monica beachfront garnered Home of the Year honors. The judges praised the concrete structure, designed by Santa Monica architect David Forbes Hibbert, for its brutal beauty and attention to simple form.

These and other award-winning projects can be viewed online at

www.builderonline.com.—*nigel f. maynard*



Two projects split the jury of BUILDER magazine's 22nd Annual Builder's Choice Award: One is quirkily custom, the other is top-of-the-line production.

Photos:
Eric Figge Photography (Sentinels);
2000 fotoworks (Gallegos)

on the boards / summer school



eckenhoff Saunders Architects went back to school to design its next residential project. The 20-year-old Chicago firm, selected for its expertise in rehab and reuse, is transforming a historical 1930s schoolhouse property in New Buffalo, Mich., into 33 garden homes and lofts.

The 10-acre site, former home of the town's middle/high school, is located three blocks from a 900-slip marina, public beach, restaurants, and entertainment. "We're not



Courtesy Eckenhoff Saunders Architects

"The Lodge" and "The Barn" (above) are among the Arts-and-Crafts-style cottages that will orbit a vintage schoolhouse converted into lofts.

just creating individual homes, but a summertime community," Walt Eckenhoff, a firm principal, explains.

Centerpieces of the complex are a man-made pond and a two-story, 16,000-square-foot masonry schoolhouse, built in 1938. This original structure was converted into seven 2,300-square-foot loft homes with private entryways, 11-foot ceilings, two-story kitchens, and inner atriums that draw in natural light. Back porches look out onto the pond.

New two-story, 2,000- to 2,500-square-foot cottages—with 400 to 600 feet of outdoor decks—ring the rest of the pond. Each home is positioned to create a stronger bond among neighboring families. "We envision adults sitting on their porches, watching their children and getting to know each other," Eckenhoff says.

The firm integrated the cottages with the nearby lake-front resort

town by borrowing from its Arts-and-Crafts traditions. "It was important to us that a new development reinforce the character of an existing place," Eckenhoff explains. "The hope is that the new development will fit into the town, not stick out."

To ensure cohesiveness, each of the four distinct cottage models has a consistent palette of materials—cedar siding, wood porches and decks with cedar railings, stone chimneys, and asphalt roofing. Roof lines vary, but masses are similar, and custom wooden garage doors are scaled down to one-car barn-like structures.

Construction won't finish until next winter, at the earliest, but two-thirds of the homes have already sold. "With the harbor just three blocks away," says Eckenhoff, "this is an ideal place for families with kids to enjoy the summertime lifestyle."—*melissa worden*

WINDOWS THAT CREATE YOUR VISION

When Architect John Fulton and Custom Home Builder Richard Farmer partnered to design and construct this 6,800 square foot residence, they turned to Kolbe & Kolbe windows & doors to help create their vision. A strong focus on quality details was the key to creating this English Country style home. Details such as the authenticity of Kolbe & Kolbe's simulated divided lites, paired with the versatility of their extensive product lines, made Kolbe & Kolbe the clear choice. Kolbe & Kolbe windows & doors are built from your perspective and to your exact specifications. So when you're required to concentrate on the big picture, it's nice to know that Kolbe & Kolbe is focused on the details.

Circle no. 277



Private Residence, Troutville, VA



See the Difference Quality Makes

www.kolbe-kolbe.com

1-800-955-8177

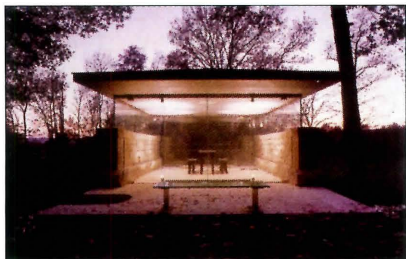


Kolbe & Kolbe
Windows & Doors

calendar

dupont benedictus awards

deadline: february 14



Christian Richters

Celebrating their 11th year, the Benedictus awards recognize inventive and significant uses of laminated glass. Shown is 2002 grand prize winner, Talus de Temple in Avalon, France, designed by Rotterdam, Netherlands-

based architect Dirk Jan Postel. Eligible projects must have been completed within the past five years. For entry requirements, visit www.dupontbenedictus.com or call 202.789.2424.

american architecture awards 2003

deadline: february 15



Steve Dunwell

Sponsored by the Chicago Athenaeum, any American architect or firm can submit residential or commercial buildings. Shown is 2002 winner the Koehler House, in New Brunswick, Canada, by Julie Snow Architects. Winners will be exhibited in summer 2003. For an application,

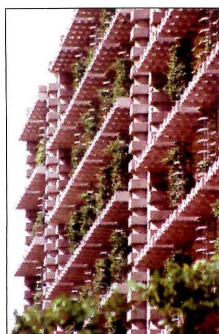
call 847.895.3950 or visit www.chi-athenaeum.org.

big & green: toward sustainable architecture in the 21st century

january 17-june 22

national building museum, washington, d.c.

Divided into five sections (energy, light and air, greenery, water and waste, construction, and urbanism), this exhibit uses photographs, drawings, models, and interactive components to show the benefits of sustainable architecture and design. Shown is the Eastgate building in Harare, Zimbabwe. For exhibit information, visit www.nbm.org or call 202.272.2448.



David Brazier

oh boym! a sideshow of design

january 25-april 13

bellevue art museum, bellevue, wash.

The whimsical housewares and furniture designs of husband-and-wife team Constantin and Laurene Boym will be showcased. Seventeen stages will reveal the couple's design process and original inspirations. A book, *Curious Boym: Design Works*, accompanies the show. For museum hours, call 425.519.0770 or visit www.bellevueart.org.



Taxicab chair,
2001, Boym Partners

building energy conference

march 12-15

boston park plaza hotel, boston

The Northeast Sustainable Energy Association's fourth such conference will bring together professionals in the fields of renewable energy and green building to address practical solutions to issues such as rising energy prices, sustainable building techniques, and healthy construction. To register, visit www.nesea.org or call 413.774.6051.



coverings

march 24-27

orange country convention center, orlando, fla.

View the latest tile and stone flooring product designs, styles, sizes, and colors created by more than 1,350 companies from 45 countries. Last year's event attracted more than 30,000 architects, builders, buyers, wholesalers, and designers. Visit www.coverings.com or call 800.881.9400 for more details.

continuing exhibits

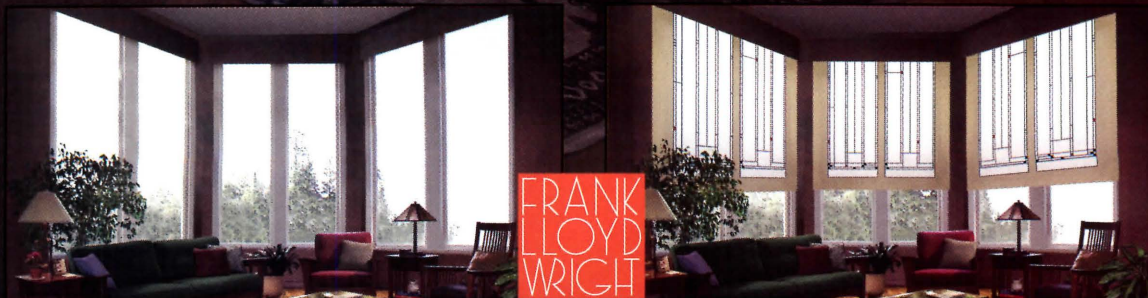
Le Corbusier Before Le Corbusier, through February 23, Bard Graduate Center, New York City, 212.501.3000; **Architecture + Water**, through March 23, San Francisco Museum of Modern Art, 415.357.4170; **David Adler, Architect: Elements of Style**, through May 18, The Art Institute of Chicago, 312.443.3600.—*shelley d. hutchins*

SIVOIA FROM LUTRON

Silent Controllable Window Treatments With Exclusive Fabrics



- Push a button for fully-open, fully-closed, or preset shade positions
- Exclusive fabric designs, including patterns by Frank Lloyd Wright®
- As quiet as a whisper in a library



FULLY OPEN

COLLECTION
©2002 F.L. Wright
Foundation
All rights reserved

PRESET POSITION

Sivoia™ is available through window treatment dealers or by contacting your architect or interior designer.

Sivoia™

Circle no. 60

Visit www.lutron.com/ra1
Call 1-877-2LUTRON ext. 503

LUTRON
shading solutions by **VIMCO**™



ONE CLEAR NIGHT

my 7-year-old and his friend made camp in the woods behind the house. There they stayed until the sounds of the night drove them up onto the deck, where the glow from the living room and the faint sounds of the TV inside lulled them off to sleep.



PERMADECK RAILING BY HB&G

[*Lasting memories.*
Timeless millwork.]



MASTERS OF MILLWORK

call or visit 1.800.264.4HBG
hbgcolumns.com


Circle no. 231

SYSTEMS

ARCHITECTURAL COLUMNS

PERMACAST COLUMNS





Windows designed to survive searing heat,
arctic winds and something even less forgiving:
the fickle winds of fashion.

Circle no. 394

Discover the world's most inspiring windows at www.loewen.com

Loewen

be true to your school

the best campus architecture isn't just about the buildings.

by herbert s. newman, faia

during the years my partners and I have been practicing architecture and teaching, we have found that patterns of human behavior influence the way we think about designing spaces for young people. Post-adolescent undergraduates in college have a need to identify and discover their place in the context of a community. It's important for them to be able to check out what each other is wearing and what each other thinks, to be politically correct about their opinions, and to have some shared connection with others.

Certain basic human behavior patterns have remained constant throughout history: the need for food and for sleep; the desire for fun, ritual, and ceremony; the instincts to nest, to be part of a community, and to communicate; and the penchant to see and not be seen, or to see and be seen. In response to these needs, it's imperative that architects create spaces for shared public experience where students can feel part of that experience without sacrificing their



Peter Aaron/Esto Photographics

Newman recommends respecting the campus as an integrated whole. His firm's design for the East Wheelock Residential Cluster at Dartmouth College (above) defers to the older, Georgian buildings on campus.

own sense of self, without giving up their sense of privacy—their sense of ownership of individual personal space.

stepping stones

We think it's possible to comment on some guidelines of the planning and design of buildings that reflect human behavior. Some of these elements are immutable over the life of a building, while others are quite flexible.

Define your mission.

Before determining what you want to accomplish, ensure that the mission of the institution is clearly

articulated, thought about, argued, fought over, and discussed in an inclusive way with all the relevant constituencies. This process should absolutely include student representation. Students can make major contributions to the design of spaces, especially when they are given the responsibility of representing their constituency.

It isn't a process of going out and taking a poll. It isn't asking students what they want at a giant meeting, when other dynamics can affect their behavior. It's about

assembling a bright, thoughtful, and energetic group that will take on responsibility in a marvelous way. Students have been an essential part of almost every building committee that we have worked on during the many years we have done educational work.

Envision the whole as greater than its parts.

This is a simple, but often overlooked, idea. A parallel can be made to the different ways of thinking about a city. You can view a city as a piece of architecture in itself, or it can

continued on page 32



For today's sophisticated home entertainer, the kitchen is the center of activity. From presenting intimate dinner parties to orchestrating gala soirees, cooking aficionados demand appliances that combine style, innovation, quality and performance.

AeroTech, single or double, is the only oven equipped with 10 cooking modes, including TrueAero convection, 3.5 cubic feet of usable space, and concealed heating elements. With Standard or European installation, AeroTech has the looks and professional performance required for entertaining.

Circle no. 333



Add the elegance of our high-performance cooktops in gas or electric, finished in commercial stainless steel. Complete the kitchen with the revolutionary DishDrawer dishwasher, offered in double or single drawers for ultimate design flexibility.

Whether building, remodeling or simply updating, Fisher & Paykel appliances are the solution for designing the future of home entertainment.

Fisher & Paykel
innovative living

800-863-5394

www.fisherpaykel.com

be seen as a place composed of many different, individual buildings. You can think of a campus in the same ways. But you also must remember that on a campus, individual buildings play hierarchical roles. If you care about continuity, history, and a relationship between the past and the future, then the conclusion that the whole is greater than the parts becomes a crucial aspect of whatever you are going to do—whether you are renovating a historic campus or designing new buildings on an existing campus.

The individual buildings should pay homage to the idea of the whole. After all, a campus is an artifice; it's a place where we ide-

“buildings are secondary; they will fall in line and do what they have to do.”

alize the life of a student going away from home for scholarship and for growing up. It is the community that will shepherd and guide these young people through this phase in their lives. So it should contain some unchangeable, enduring ideas.



Peter Mauss/Esto Photographics

The firm used trees, paths, and open spaces to enliven the Northwest Quadrangle at the University of Connecticut, a new complex of six residence halls and a dining hall.

Understand the significance of paths and open spaces. A dominant void where students meet for passive recreation, ceremony, and pageantry is essentially an outdoor living room. These spaces allow for the planting of nature's architecture—trees.

There is always an opportunity to plant, even inexpensively, as a means of planning for the long-range future. Think about permanent outdoor spaces,

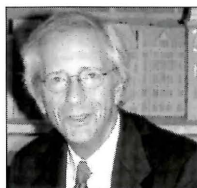
what they have to do. Even if a building is ugly and a mistake, it will be acceptable because it's in the right place and helps form a wall that defines space; eventually, the trees will hide it.

Define the edges of the campus. In an urban environment, consider the edges between the campus and the city. We've found that being inclusive of surrounding constituencies helps keep the edges of the campus healthy. It also helps with long-range planning issues involving real estate values, escalating costs, community speculation, and all of the problems that arise when a school considers expansion. Defining the edges also helps with short and long-range goals for rural, suburban, and less dense urban environments.

give and take Talking with students about their needs and aspirations is one of the most

interesting and exciting parts of designing campuses and campus buildings. Young people are looking for guidance, for help. They want to be educated. They don't want to be pandered to. Most have not come to college in search of the obvious or the familiar mall environment in which they have grown up. Maybe some of them do, and maybe that is acceptable. But in allowing that flexibility, don't move away from your mission—to create a special place that will symbolically stay with these kids for the rest of their lives. **ra**

Herbert S. Newman, FAIA, is the founder and principal of Herbert S. Newman & Partners, based in New Haven, Conn. This article was adapted from ad hoc remarks by Newman at his firm's annual symposium, Architecture in Residence: Visions of the American Campus, held in Williamsburg, Va., in April 2002.



Courtesy Herbert S. Newman

then think about planting in those spaces to make them wonderful.

Fixed pedestrian and vehicular paths direct the placement of buildings and keep pedestrian travel time to a minimum. Buildings are secondary; they will fall in line and do

SEE IT at Christopher Homes' Southern Highlands showcase home in Las Vegas. (Designed by Scheurer Architects.)

BELIEVE IT at the NAHB show, booth C5273, January 21 - 24, 2003

www.eldoradostone.com/showcasehome



It's not every day a home gets a chance like this to make such a bold, bottom line statement. (This house has over 15,000 square feet of our stone on it.) But no matter the size, add value (and, of course, beauty) to your asset with Eldorado Stone. So, what's your nest worth? See it. Believe it. Spec it.

800.925.1491 eldoradostone.com

Circle no. 32



away from home

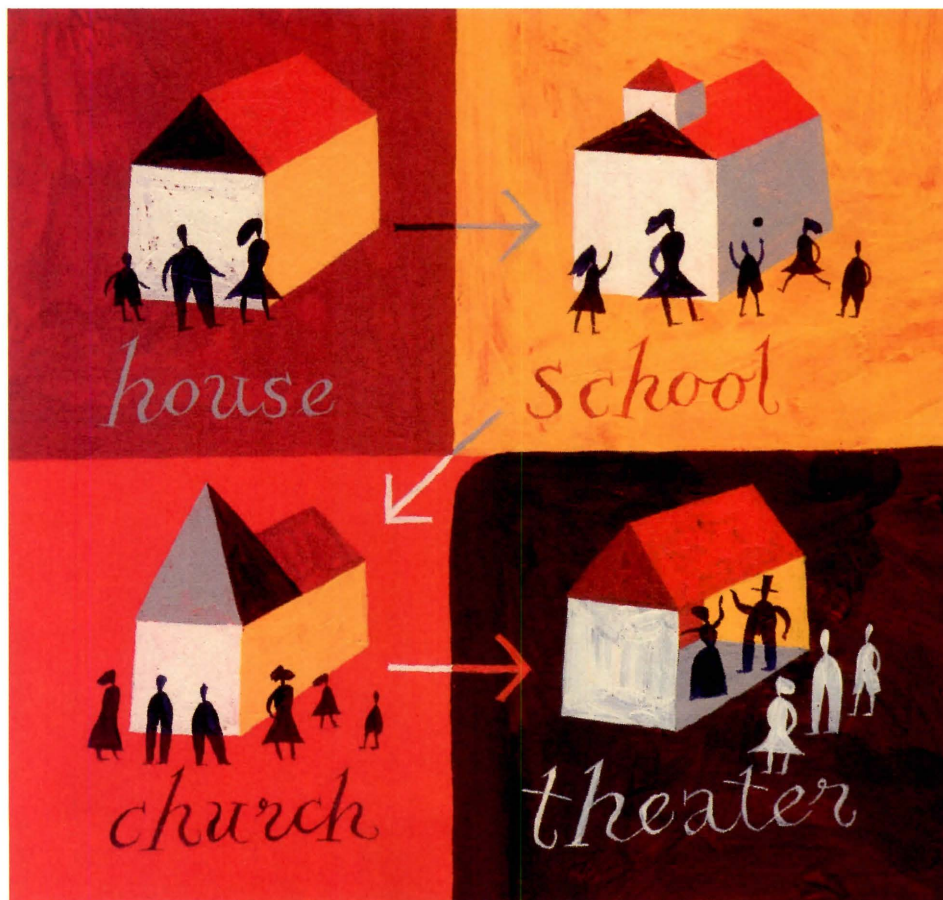
exploring the challenge of a diverse practice.

by cheryl weber

For six years, the Houston architecture firm Curtis and Windham focused on perfecting its first love: the design of traditionally styled single-family homes. Partners William Curtis and Russell Windham reached a turning point five years ago, however, when they learned of plans to rebuild a burned-out 1860s Catholic church in historic Jefferson, Tex. It took 15 phone calls to convince the church's building committee to grant them an interview as candidates. But once they landed the commission and later delivered a successful project, they began to regularly add institutions to their mix of work. "You do the things you have to do to build up a practice," Curtis says.

"There are certain lessons you go through on how to get jobs and make money. We feel like good architects are able to design a wide variety of building types."

For many residential architects, diversifying into institutional work is a basic necessity in order to grow their business, compete for clients and employees, and even out economic cycles. But they're also drawn to the different set of challenges and issues that come



Jeffrey Fisher

with institutional work. Rather than working directly with the end user, suddenly they're juggling committees and building consensus. One week they might be designing a college dorm, another week a park visitors' center in an unfamiliar ecosystem. "You never get stale," says Susan Maxman, FAIA, of Susan Maxman and Partners in Philadelphia. "You're always trying to problem solve and think of new ways to do things."

Public buildings, in par-


ticular, offer architects a greater sense of intellectual satisfaction because they're designing something that reflects a community's spirit. Whereas a custom home is gratifying to a small family, a city library, say, touches the entire community across a broad spectrum of people. "There's nothing finer than experiencing a library that provides full service to the community, from kids and the elderly to tourists and businesspeople," says Will Bruder, AIA, of Will Bruder

Architects in Phoenix. "Everybody benefits from the art, the craft, and the concepts you've created."

making the leap

For architects heavily invested in residential work, however, getting a foot in the door can be difficult. Curtis and Windham won the church committee's confidence by persistently demonstrating the strength of their ideas and by pointing out the experience they had gained working on

continued on page 38



Add **warmth** that
will be appreciated
for generations to come.

Nothing brings families together
like a Heatilator® fireplace. Its
timeless appeal is matched only
by our reputation for dependability
and easy installation—a reputation
spanning 75 years and several
generations of homeowners.

Want to bring the warmth home
to your family of customers? Just
look for Heatilator, the first name
in fireplaces. For more information,
call 1-800-927-6841.

Since 1927

heatilator®
The first name in fireplaces

heatilator.com
fireplaces.com

Circle no. 297

similar projects at their previous employer, Hartman-Cox Architects in Washington, D.C. Designing large-scale houses also can be a fast track to institutional work. The firm has designed custom homes that cost as much as \$25 million and require commercial contractors and structural materials such as concrete and steel. "Our preparedness to do institutional projects is better today because our domestic architecture has grown in scale," Curtis says. "We can be very persuasive now that we can do it as well as anybody else."

Muse Architects in Washington, D.C. (see its work on page 72), has increased its share of church and

school work from 5 percent to 50 percent during the last six years. On its first church project, when the deal came down to Muse Architects and one other firm, Stephen Muse, AIA, had his speech ready. "We know the other firm is good and has made many more churches," he told the clients. "If that's your criteria, we lose. But we'd like to show you the houses we've done and show you why your church could be more like one of our houses. Our family rooms could be your fellowship hall, our courtyards the area outside your worship space." Says Muse, "Obviously it takes a very sophisticated client to make that

continued on page 40

continuing education

Looking to add a nonresidential niche? Echo-boomers, new state funding initiatives, and the smart growth movement are all helping to expand the market for public and private educational facilities in the U.S., says Bruce Jilk, AIA, of Atelier/ Jilk in Afton, Minn., and chair of the AIA Committee on Architecture for Education. States with the fastest rate of population growth are the strongest supporters of school construction. Last November, for example, California voters passed a referendum allocating \$22 billion for school facilities. Ohio recently earmarked \$24 billion to build and renovate its schools. And New Jersey, Florida, Texas, and Arizona are among other growing states pouring money into educational buildings.

"We're needing to renovate existing schools to bring them up to current educational standards or build new to address the exploding population coming out of the baby boom echo," says Tom Kube,

continued on page 40

*Choose from custom
or standard divided light
patterns and profiles.*

*Real wood interiors
of pine, oak, mahogany,
cherry and more.*

*Available in custom sizes,
shapes and styles.*

*Low maintenance exteriors
in White, Sandtone,
Terratone® or Forest Green,
plus custom colors.*

Is it any wonder it's called a feature window?

*Custom windows, patio doors
and entry doors for residential
and commercial projects.*

*Backed by a 20/10 year
KML by Andersen limited
warranty.**



*See the exciting new line of KML by Andersen™ architectural windows and doors.
Call 1-800-426-4261, ref. #4632. andersenwindows.com. LONG LIVE THE HOME™*

2044C. © 2002 Andersen Corporation. All rights reserved. See your Andersen dealer for availability. *See the KML by Andersen limited warranty for details.

Circle no. 6

Have you seen what's up with asphalt roofing?

Circle no. 270

Boasting all the colors you can imagine, plus a few you can't, today's high-end architectural shingles are up for all kinds of interesting possibilities. *See for yourself at www.asphaltroofing.org*



Asphalt Roofing
Manufacturers Association



leap of faith. But they said, 'You're right, that's the feeling we want.' It's a compelling argument to a lot of institutional groups, and we've been running with it ever since."

An architectural niche also can provide a segue to institutional work. In Atlanta, Surber Barber Choate & Hertlein's extensive historic preservation, renovation, and adaptive reuse work with developers and on single-family homes helped it win ongoing contracts with the Georgia board of regents, which oversees schools and universities. The 20-year-old firm Moule & Polyzoïdes in Pasadena, Calif., also began its practice doing adaptive reuse. Given

its strong focus on urbanism, many of the firm's institutional projects are referrals from the town planning side. "People trust us and know us personally, so they hand us commissions," says partner Stefanos Polyzoïdes. "Not all of our institutional projects go through the competitive process."

Often, a quirk of fate opens the door to diversifying. Leddy Maytum Stacy, San Francisco (see its work on page 70), happened upon one of its earliest institutional projects—a Waldorf school in the mid-1980s—through a contractor who had ties to the school. Since then, "we've found that going after public schools is

continued on page 42

executive director of the Council of Educational Facility Planners in Scottsdale, Ariz. "Sun Belt states are seeing the greatest activity on new schools, whereas schools in older areas like New York City are relying on renovations, additions, or adaptive reuse."

Jilk sees two other trends in educational facilities. One is a nationwide emphasis on small schools. "One of the groups putting money behind this trend is the Bill and Melinda Gates Foundation," he says. The focus on smaller schools fits with what Jilk calls the finer grain of mixed-use development, one of the solutions for balancing growth in congested cities and suburbs.

A lot of communities are leveraging their money by blending school facilities into seniors and recreational centers and public libraries, resulting in multiuse properties as opposed to a school that's only open weekdays between 8 a.m. and 3 p.m. In Scottsdale, for example, most of the new middle schools and high schools have public library complexes built into them. "The city is trying to expand services to

continued on page 42



**Closet space just went down
a notch on the priority list.**

Introducing Andersen® Frenchwood® sidelights and transoms. Made to complement our Frenchwood patio doors, they come in a range of sizes and wood species to help you create homes that will top anyone's list. Call 1-800-426-4261, ref. #4633. Or visit andersenwindows.com. **LONG LIVE THE HOME™**



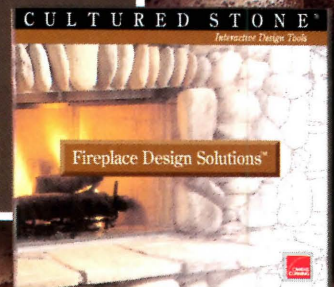
Earth Blend River Rock

Caramel Drystack LedgeStone



Wherever you are, quality shows. This waterfront apartment happens to be in Bangkok, but would look just as inviting in Miami or Seattle. Its appeal is simple: beautiful design and the warmth of stone. To order an 84-page catalog and our new Fireplace Design Solutions™ CD, visit www.culturedstone.com or call 800-644-4487.

© 2002 CULTURED STONE—A DIVISION OF OWENS CORNING MADE IN U.S.A.



CULTURED STONE®

Circle no. 21



WE KNOW HOMES™
RA 1/03

a different market altogether, and one we've had less success with," says Bill Leddy, AIA, who oversees a staff of 15. "Independent schools are looking for something out of the ordinary and have a different approach to hiring an architect." By contrast, he says, most institutional clients have a very sophisticated bureaucracy. "Even if we are invited to submit a proposal, we're competing against as many as 30 to 40 other firms."

requests for proposals

Indeed, the most difficult aspect of doing institutional work is going after it. Responding to requests for

proposals, or RFPs, is an expensive and time-consuming process most architects view with a mixture of cynicism, resignation, and contempt. Moule & Polyzoides tries to avoid it altogether. "After 20 years of doing RFPs, we find the process idiotic and unpredictable," Polyzoides says. "Sometimes it finds the best person, but often not. They call the people you've worked for before and give you an hour to speak on your behalf. They hear four or five people in one day. It becomes more a reflection of who's the smoothest salesperson; who has the best manners, the best connections, the nicest tie; or who looks best on paper. It

growing parts of the community," Kube says. "It's a way to get projects on the ground faster than having to find stand-alone sites. Plus, the students have a higher-performance library than they would have had in their school."

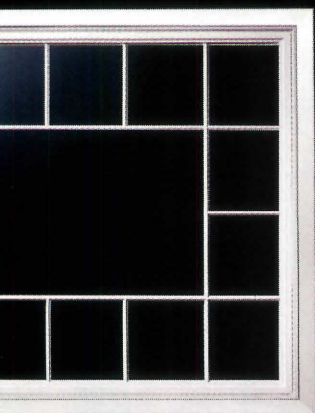
Jilk recently worked on a similar project in Apple Valley, Minn.: a small School of Environmental Studies for 400 high school students, built on the site of the Minnesota Zoological Garden. Rather than classrooms, the building has office-like spaces with workstations. "It's part of the new theme-based approach to schools, as opposed to one-size-fits-all," Jilk says.—c.w.

favors large over small firms, old over young, and business as usual over those asking questions. It's not a good system for advancing architecture."

Maxman has one staff person putting together

proposals full time. The job involves some sleuthing to figure out who else is competing, the politics involved, and any hidden agendas. But detective work can only carry a firm so far.

continued on page 44



Thousands of new choices. (Collect 'em all!)

Andersen now has even more products to help you create homes people want. You'll find new 400 Series shapes and sizes, a newly expanded 200 Series line, plus custom KML by Andersen™ architectural windows and doors. Call 1-800-426-4261, ref. #4634. Or visit andersenwindows.com. **LONG LIVE THE HOME™**




Alumax Bath Enclosures

From Black Tie to Flip-Flops.



*f*rom the Penthouse Master Bath to the Poolside Condo, there's an Alumax Bath Enclosure for every occasion and floor plan.

Choose from numerous finish, color and glass options to make a design statement or simply lend practicality to a second or third bath.

 **ALUMAX**
An Alcoa Company

Visit our web-site at
www.alumaxbath.com
for an Alumax Dealer
near you.

1617 N. Washington • Magnolia, AR 71753
870-234-4260 • FAX 870-234-3181 • e-mail: alumaxlt@ipa.net



"We scrutinize the project and know our clients pretty well," Maxman says, "but we're never sure where we stand. More often than not, it ends up being chemistry, or the guy in front of us had more experience than we did in that prototype." The firm's strategy is to work hard to understand the clients and the project, responding to their issues and showing how it has addressed them in the past. The rest is left to chance. "Once, a prospective client spent the whole day going through projects with us in Philly, and we came in second," she says. "Those kinds of things are frustrating and demoralizing, but you just have to do it."

Muse attempts to avoid disappointment by asking himself tough questions at the outset. If the firm receives, say, 10 RFPs a month and has allotted 100 hours to work on proposals, he typically winnows the RFPs down to two or three. "We look at the project and ask: 'Do we honestly believe we're the best choice for this project?' If there's one we're best for, let's spend 100 hours on it or 50 hours on two. Let's make sure we spend all the time it takes to send in the best proposal we can, and walk in the door for the interview fully prepared."

RFPs are costly in dollars, too. Bruder estimates he spends \$5,000 to

\$10,000 apiece on graphic design and printing costs, plus airline tickets to fly two or three people to meet the client. Like Maxman, before responding to a request, he and project architect Richard Jensen spend a lot of time calling associates and trying to solve the mysteries. For him, success is winning one out of 10.

"We have a format and keep tweaking it, and we form associations all over the country," Bruder says. "And our RFPs are distinctive; everything we do deals with design at the highest plane." The wild card, of course, is who's on the panel across the table. "Do they know how to listen and what

they're looking for? We try to help by writing an intelligent document and present ourselves as unique."

Even so, there's a healthy tinge of fatalism in Bruder's philosophy, thanks to a lesson learned 10 years ago while pursuing a commission for San Diego's main library. A reporter convinced the city to release the proposals to the public. "It was shocking, the biggest wake-up call," Bruder says. "There was nothing of consequence to differentiate the proposals. You have to consider that for all your careful crafting of words—and I write these things like poems—you've got a lay audience on the

continued on page 46

See us at IBS Las Vegas
Booth #7024 South Hall

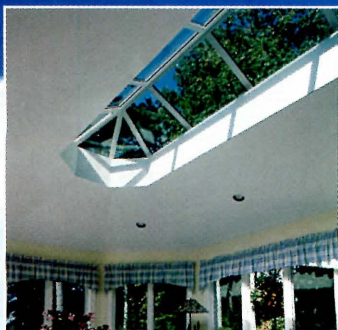
More sky.

Less limi .

With Wasco SkyWindows®, homeowners get more of what they want a skylight for. At the same time, you get fast, trouble-free installation and first-class quality that mean less limitations on your ability to deliver a great home.

Available in your choice of designer colors, our spectacular SkyWindows Architectural Series is designed to minimize framing and maximize daylight. Choose from stunning pyramid configurations, our innovative low-profile planar system and unique custom solutions, all designed to make it easier for you to bring more light to life.

Circle No. 359



Pyramid System



Planar System



Wasco® Skylighting Systems • P.O. Box 351, Sanford, Maine 04073
www.wascoskywindows.com • Call 800-388-0293 for your nearest dealer



Beauty. Performance. Durability.

Get it all in one great brand. Wolverine®

Wolverine offers residential and light commercial cladding systems with high-performance characteristics. Unique installation features create smooth, straight applications that make your designs look beautiful and endure the test of time.

Millennium® siding is a technological breakthrough, for example. Patented Millennium nails tight to the wall, yet adjusts as homes expand and contract. Due to its high 270 mph wind load rating, Millennium offers an exclusive "Won't Blow-Off" Warranty. Peace of mind for your clients.

Wolverine siding offers the industry's broadest range of low-maintenance, high-performance siding systems. Learn more. Call 888-838-8100, code 106, or visit www.siding.com/1062.

other side of the table.

"It's about chemistry, communication, ideas, and really remembering that you have to bring passion and skill and portfolio to these projects, but at that moment when you walk out, be able to accept that there's nothing rational that will get you the job," he adds. "When you lose, you have to believe that maybe the next time the irrational moment will be yours."

design by committee

The other major challenge of an institutional project is coordinating the wishes of diverse client groups. The facilities committee of a university is looking for

maximum durability and minimum cost; the dean and the university architect want to promote good design and maintain the quality of the school. Student groups may have other concerns. "There are benefactors whose desires also need to be incorporated into the design," points out Mark Hutker, AIA, Hutker Architecture and Interiors in Martha's Vineyard, Mass. "Donors have a special interest in leaving an imprint on the school."

The demand on an architect's time, presentation skills, and organizational skills goes up several notches, too. There are more meetings—many of them at night. "Once a month,

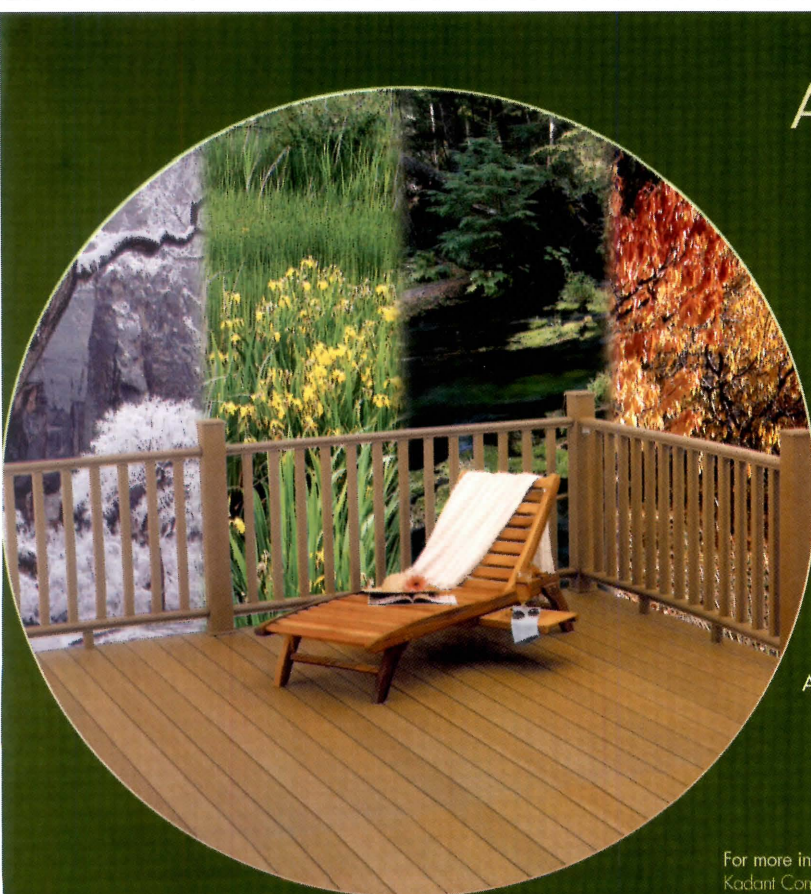
you're making a public presentation in front of a building committee or an entire congregation," Muse says. "You're making more serious drawings, putting them on Powerpoint, and thinking about what to say. It's much more involved than sitting 4 feet across the table from a custom home client."

Muse stresses the importance of organizing the building committee and the process. He tells them what to expect: "First we'll work on the site plan. You'll see a plan that has a building on it but no details. There will be a lot of windows on this wall, but we don't know what they'll look like. Then we'll work on floor plans,

continued on page 48

"you have to consider that for all your careful crafting of words ... you've got a lay audience on the other side of the table."

—will bruder, aia



A Deck For **ALL SEASONS**



Good looks that last and last: that's the beauty of **GEODECK™**. Our composite decking system offers the appearance of a real wood deck, but without the fading, splitting, rot or decay that can ruin wood over time.

GEODECK™ comes in three fade-resistant colors: Cedar, Mahogany and Driftwood. The result: a deck that maintains its beautiful appearance year after year — with no need for painting or sealing. The **GEODECK™** system consists of matching decking boards, railings, posts, balusters, end caps, post caps and post base trim for an integrated, stylish look. We back it with a 20-year limited warranty. And rain or shine, your customers will love the results.

**Geo
DECK**
A KADANT COMPOSITES PRODUCT™
life simplified™

For more information, call us at: (877) 804-0137
Kadant Composites, Inc., 8 Alfred Circle, Bedford, MA 01730 FAX: (781) 275-3601 www.geodeck.com

Circle No. 392

IT'S THEIR ROOF. BUT IT'S YOUR REPUTATION.



Prestique® Gallery Collection™ in Sienna Sunset™

If your perception of laminated shingles is dull, flat and boring, it's time you considered Elk. We have the looks, profiles and colors that open up entirely new design possibilities for steep-slope applications. You'll appreciate the natural nuances in our Prestique® *High Definition*® shingles. Or the deep shadows created by the slate-like look of our Capstone® shingles. And our Gallery Collection, designed with internationally-acclaimed artist Bart Forbes, offers distinctive coloration not seen in other shingles.

For a **free** specifier kit complete with samples and more information, call 800.354.7732. Or visit us at www.elkcorp.com.™

Circle no. 294



©2002, Elk Premium Building Products, Inc. All trademarks, ®, are registered trademarks of Elk Premium Building Products, Inc., an ElkCorp company. All trademarks, ™, are trademarks pending registration of Elk Premium Building Products, Inc.



FOR THE FIFTH YEAR
BUILDER MAGAZINE BRAND USE SURVEY

massing, elevations. Have faith that when we show you elevations, they'll be okay."

The architect also expects the committee to filter the flow of information between him and the church congregation or the various client groups. He wants the committee to decide what is one person's point of view vs. consensus, and he tells them that once they're working on the project awhile, they may be able to answer constituents' questions without coming to him. "It helps speed the process and lets committee members feel empowered," he says. Muse gets the committee's feedback on early schematics, but drawings are withheld from the larger

client body until the building assumes a shape that people can visualize easily.

An iterative design process is at the center of Susan Maxman's approach. She listens carefully to budget and program requirements, putting the clients' needs above anything else. And rather than responding with a beautiful rendering, Maxman wants the design to evolve with the client as part of a team. "That's critically important to this kind of work," she says. When the National Forest Service hired the firm to design a visitors' center at Seneca Rocks in West Virginia, Maxman refused to sign the original contract, which required the architects to

develop three conceptual designs that the Forest Service would choose from. Instead, Maxman proposed a series of five workshops with the committee members in her office. The end result was a schematic design that everyone loved. "Architects think a beautiful picture will do it," she says. "You have to be able to talk it through with them."

The mark of true success is an institutional building everyone is proud of and conceptually represents a client group's best ideas. When architects encourage clients to ask questions and raise issues, the clients see themselves reflected in the program documents. "When the first drawings come for-

ward, it's very gratifying as an architect to hear the rush in the audience of everyone taking the claim to their idea," Bruder says. His firm designed a library for teenagers, an addition to Phoenix's central library. Over the course of five summer workshops, the architects met with teens to design the layout and select furniture, fabrics, and curtains. At the ribbon-cutting ceremony, the president of the building council ended her speech by telling Bruder, "We really appreciate your listening." Says Bruder: "That was the best comment we could hear." *ra*

Cheryl Weber is a contributing writer in Severna Park, Md.

TO STAY OR TO GO?

Reward Wall Systems—*Nothing satisfies more diverse taste.*

Today's clients are hungrier than ever for innovative, more durable structures that are better built than ever before possible. With Reward Wall Systems, you're freed from the conventions of traditional construction methods to discover the difference this unique ICF building system offers, such as:

- Greater freedom and design flexibility
- Superior durability against the elements
- Exceeding standard energy efficiency requirements
- Exceptional protection from noise and allergens

Whet your appetite for greater flexibility and freedom of design. Choose Reward Wall Systems.

Circle no. 341

Call 1-800-468-6344 ext. 1706
or visit www.rewardwalls.com





The best new tool for building pros
since the invention of the hammer.

ebuild
The Professional's Guide to Building Products

The one-stop information source for homebuilders

Home | All about ebuild | Building Community | Manufacturer Community | About ebuild

Search:

Find Products | Find Manufacturers | Articles & Links

Start here

Select a Product Subcategory

| | | |
|---------------------------------------|---------------------------|-----------------------|
| Appliances | Flooring | Paints, Spas & Saunas |
| Cabinets | Hardware | Roofing |
| Countertop Materials | Home Technology | Site & Landscaping |
| Doors | House Plans | Software |
| Electrical & Lighting | HVAC | Structural Products |
| Exterior Vinyl Finishes & Accessories | Insulation & Infiltration | Tools |
| Fireplaces | Landscaping | Windows & Slidingg |
| | Lighting | |
| | Roofing | |
| | Site & Landscaping | |
| | Software | |
| | Structural Products | |
| | Tools | |
| | Windows & Slidingg | |

Product of the Day
Email to me by
STROM
OFF A POOL
INSTANTLY

Product of the Day
Decorative Home
The Modern Home
Decorative stone
collection in handbags
from stone mason that are
not the individual pieces.
More...

Sponsor Spotlight
Sponsored by
Sponsored Windows®
Builder's Landing
Impressions

Good Deals!
Introducing the 17th Century - a distinguished collection from Bruce Block that possess soft edges, a
"crackled" texture and various imperfections that make each piece truly one of a kind. Click for more info.
1800's Farmhouse collection are available plain or stained, offer exceptional strength to weight
relationships and offer a lifetime warranty. Click for more information.
Johns-Manville's Performance Home® Builder's Program - Build Smarter!
Get Certified... click here for a list of NSRP Tech Schools during the upcoming winter and months.
Here, the #1 consumer choice for hardwood flooring... easy to sell... easy to use... easy to
please. Click for info.

Let us change the way
you think about vinyl.

MOORE

Now you can find all the product information you need instantly.
Search. Find. Compare.

You'll find everything from product descriptions, diagrams,
and dimensions to installation instructions, reviews, and
supplier locators.

It's easy to use, quick,
and best of all FREE!

ebuild
THE PROFESSIONAL'S GUIDE
TO BUILDING PRODUCTS™

www.ebuild.com

This year, as usual,
most window companies
will be introducing one
or two new options.

Eagle® is proud to introduce
five significant new ideas that can
help your homes stand out from
your competition.

Two advanced blind systems.



Our between-insulated-glass
blinds for doors
and rectangular
auxiliary windows
are securely sealed
between the insulated
glass panels. This
keeps the blinds
in a dust-free environment
protected from damage.

- Only two surfaces of glass to clean
- Blinds tilt, raise and lower with one cord
- Available in white, almond or gold

Our System 3 blinds are mounted to an
extruded panel on the sash for a triple-glazed
casement, awning or auxiliary window.

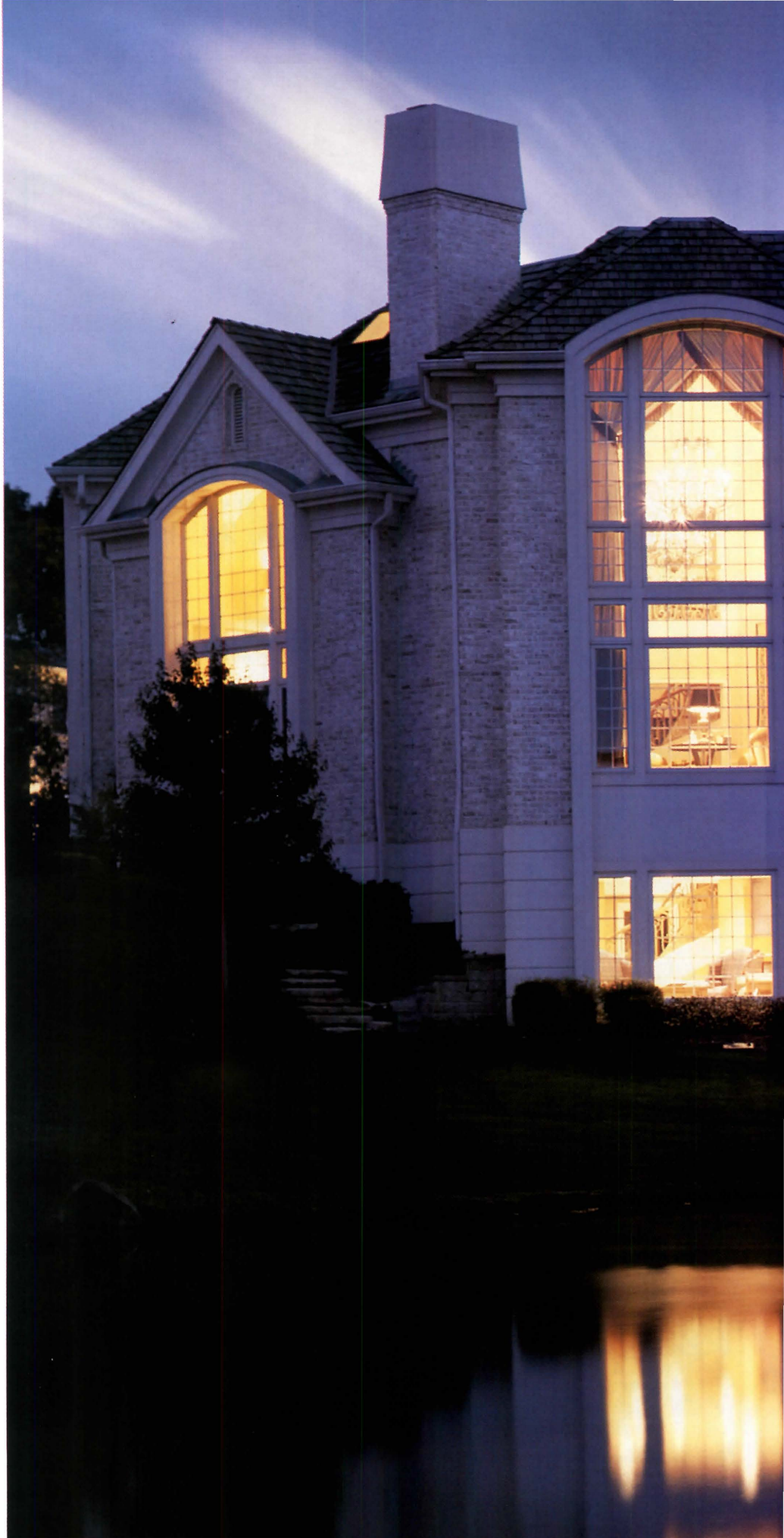
- Blinds are in a virtually dust-free
environment
- Panel available with a wood veneer
or in two colors

New generation casement hardware.



Eagle's new
concealed,
sequential
casement locks
have a slim profile
and an easy-to-
operate lever yet they
provide unmatched performance.

- Stainless steel keepers for durability
- Temporary locking lever and
operator handle for use during
construction process
reduces jobsite damage



Eagle will be introducing five new innovations.

Simple tilt-to-clean mechanism.



Our new E-Tilt Double-Hung is incredibly easy to operate. Just turn both levers, and the mechanism releases.

After cleaning, simply push back into place with one hand. Wood

and aluminum inserts on jamb liner assemblies provide a more traditional appearance.

- Dual locks for added security and performance
- Single-action concealed mechanism for tilting
- Spring-loaded latches minimize potential damage to trims



50 exterior colors at no extra cost.



Make your homes really stand out by matching the siding or trim or provide a dramatic contrast. A customized look at no extra cost.

- Multiple color combinations on individual units
- 20/10 Warranty and AAMA 2604 compliant

In today's market, you need a window and door company that moves at the speed of your customers. That's Eagle. Give us a call today.



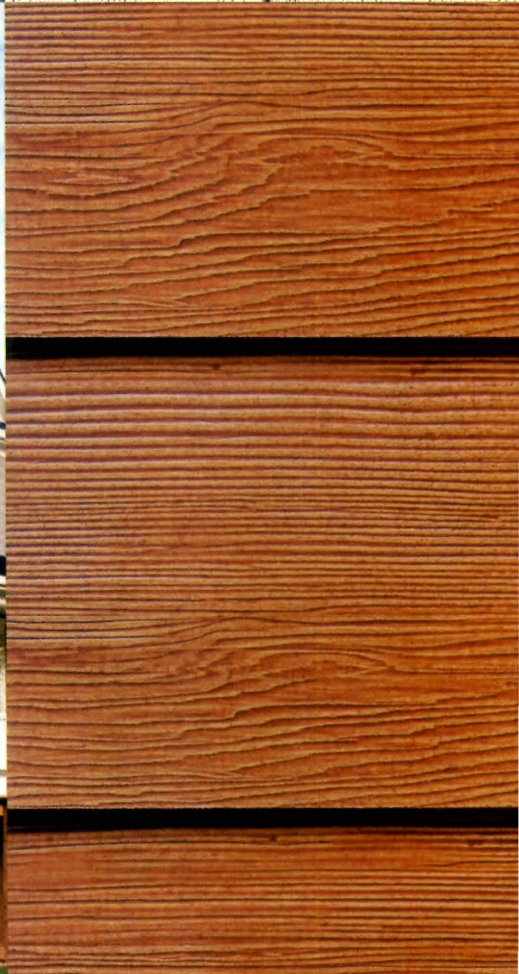
Giving vision to great ideas™

1.800.453.3633

Or visit us at www.eaglewindow.com

Circle no. 71

CERTAINTEED. LEADING IN VALUE SINCE 1904.



Only CertainTeed
gives you the
freedom of choice:

The two most popular siding materials.

Vinyl Siding & Fiber Cement Siding

Architects, you deserve a choice! Now whichever cladding ideally suits your plans or client needs, you can get the best from CertainTeed. CertainTeed WeatherBoards™ is the best-looking



and -performing fiber cement siding on the market, with all the appeal of wood. And CertainTeed is the #1 vinyl siding brand offering you the broadest range of colors, excellent versatility and design features. Hey, it's a free country.

When it comes time to choose sides, make it easy with CertainTeed.

Call 800-233-8990, code sc106, or visit www.certainteed.com/sc106.

Circle no. 313

CertainTeed 
Quality made certain. Satisfaction guaranteed.™



Although busy with school work, Rodney Friedman still designs top-notch multifamily. He converted the historic Oriental Warehouse in San Francisco's South Beach neighborhood into live/work units, winning a local AIA Honor Award in 1997.

Bryce Duffy/SABA

back to school

former merchant housing maven
rodney friedman gets new respect
designing campus housing.

by s. claire conroy

Last July at the Pacific Coast Builders' Conference (PCBC) Gold Nugget awards, a very happy 69-year-old architect kept trotting up to the stage to pick up one Lucite-encased hunk of "gold" after another. Fisher-Friedman Associates won five awards that night—four Gold and one Merit. It was especially gratifying for the veteran firm because it did so in front of its peers—an audience full of competing firms and past, current, and future developer and builder clients—and it did so in its hometown of San Francisco. Rodney Friedman, FAIA, was the happy architect, and his firm of 38 years was a big winner that night.

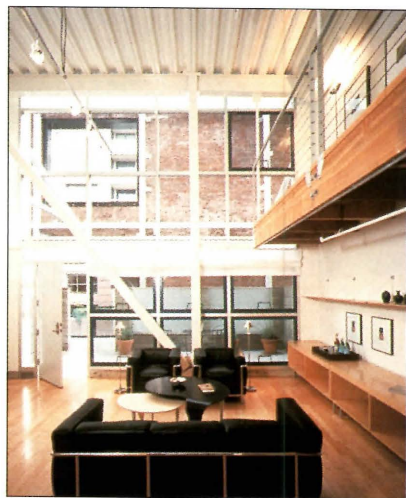
Twenty or 30 years ago it would have come as no surprise to see Friedman, Bob Geering, and their now-retired partner, Bob Fisher, hogging the limelight. They were part of housing's all-star team back then, turning Irvine Ranch land and San Francisco Bay Area quicksand into good-life subdivisions. But it's been a long time since Friedman's folk were on the builders' A-List of architects. The firm no longer bursts at the

seams with 100 architects in downtown San Francisco. Now it's down to a lean and mean 35 across the bay in Emeryville's warehouse district. "But, hey," says Friedman, "It's a Park Avenue address."

lemons into lemonade

True, Friedman does have a Park Avenue address in Emeryville, an emerging high-tech town just north of Oakland, and his quarters in the warehouse district are quite swanky. Best of all, he's having a great time doing much more than the merchant housing that built his career. "I haven't done a single-family-detached subdivision in 10 years," he says. Not that he wouldn't like to, it's just the production builders seldom call anymore. But lemons into lemonade, Friedman has found a new customer base: university and college housing. And for the militant Modernist who cringes at the idea of doing Mediterranean-style patio homes, it's a great new outlet for interesting design. He nabbed three of those five Gold Nuggets for his campus housing work.

Although student and faculty housing



back to school



The 1982 Peter Coutts Hill Faculty Apartments at Stanford University were an early foray into campus housing for FFA.

Photo Stephenson

design is frequently handcuffed to its context, Friedman sometimes grabs the commission for connective-tissue buildings as well—dining halls, common buildings. He has a freer hand with these, which fuels his creativity. What's more, his buildings often weave in among the superstar architects' work that our centers of higher education are so fond of collecting, and this feeds his ego. On the campus of Stanford University, for instance, his Manzanita II dorm completes a quad anchored by a Ricardo Legorreta-designed dorm.

In some ways, Friedman relishes his cur-

rent status as a desirable, hireable, workhorse architect. Star architects can, apparently, glow too brightly for the firmament. "If you get a high-profile job everyone loves, then the school thinks, okay, we've got a Legorreta," he explains. "Meanwhile, we do 10 jobs." It's a delicate balance. You've got to be on the radar without overwhelming it.

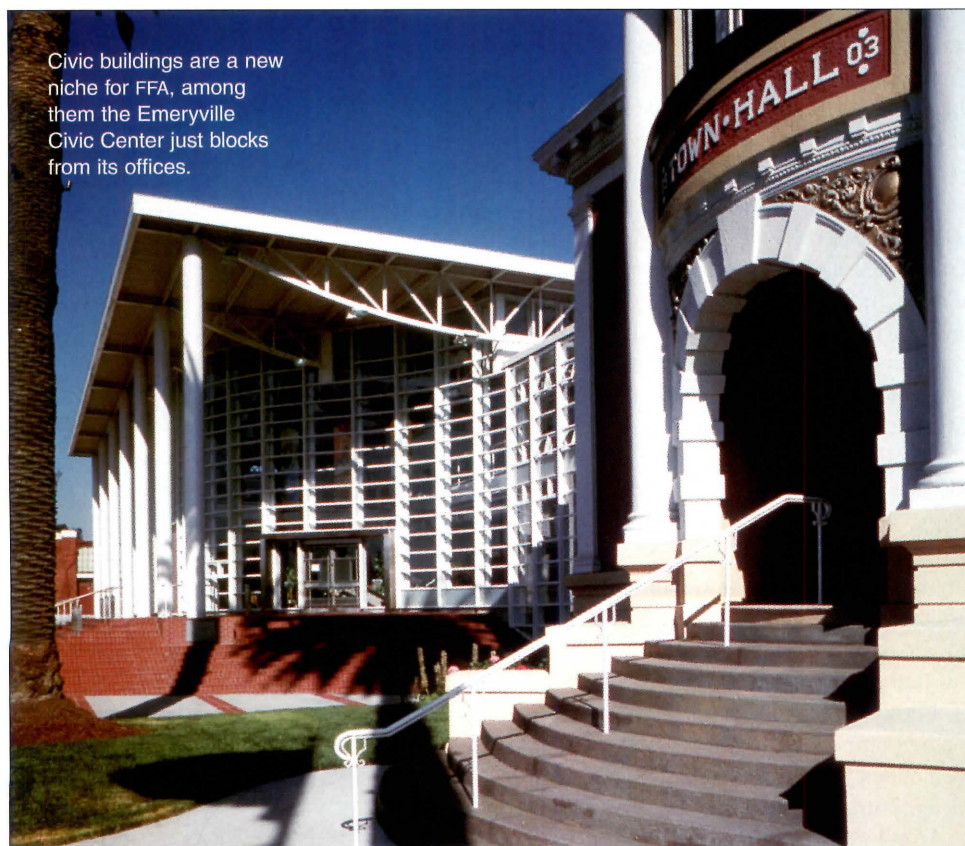
So how did Friedman get from merchant housing to campus housing? By moving sideways and full circle. Trained as a Mid-Century Modernist at the University of California, Berkeley, he learned from a who's who of residential architecture.

William W. Wurster had just returned to the Bay Area as dean of the architecture school and had just swapped Bauhaus for the dusty Beaux Arts curriculum. Fresh from his position as dean of the Massachusetts Institute of Technology in Cambridge, Mass., Wurster had a portfolio of celebrity connections. So, one by one, he marched his amazing peers through his students' lecture halls.

Friedman soaked up cutting-edge wisdom from Buckminster Fuller, Eric Mendelsohn, Richard Neutra, Paul Rudolph, and Joseph Esherick. He was a teaching assistant to Charles Eames. Not only were these great innovative architects, they were great house architects. In their view, there was nothing humble about the housing profession. In fact, it was possibly the best laboratory for experimenting with the new building techniques and materials emerging after World War II. They all made history designing their own and others' houses. "Housing was not something relegated to the also-rans of architecture," says Friedman. "Every studio we had dealt with some kind of housing."

grid goodbye

After a tour of duty in the Air Force during the Korean War and an apprenticeship designing mega commercial buildings in the San Francisco office of Welton Becket and Associates (now Ellerbe Becket), one of the largest firms in the country at the time, Friedman and Becket colleagues Bob Fisher and Bob Geering started their own firm. Among their early clients were builders trying to compete with Joseph Eichler, popularizer of the Modern tract house. What Friedman learned from Sea Ranch, another cutting-edge project across the Golden Gate bridge and about 2 ½ hours up the Pacific Coast Highway, gave him the



Civic buildings are a new niche for FFA, among them the Emeryville Civic Center just blocks from its offices.

Charles Callister, Jr.



Strode Eckert



Joshua Freiwald

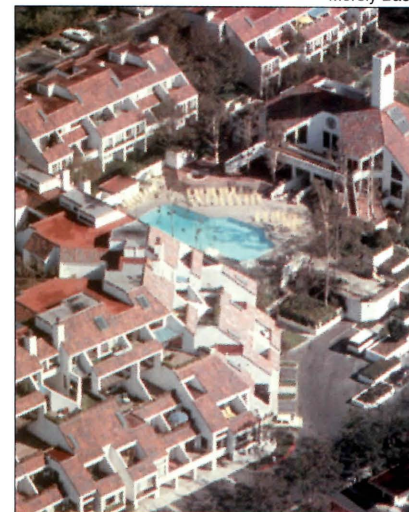


Morely Baer



Morely Baer

Clockwise from top left: The Andover Park housing complex in Beaverton, Oregon, grabbed Northern light, forest views, and numerous awards in 1989. Friedman's house in Tiburon, Calif., (two photos) was inspired by Sea Ranch's window-punched houses. The 1976 Promontory Point apartments (two photos) are still a high-water mark in Newport Beach, Calif. One of FFA's toughest master plans, 1976 Point Tiburon is a bayside community built on fill. The 1978 Islands condos in Foster City, Calif., combined tandem parking, greenhouse balconies, and water views.



Steve Proehl

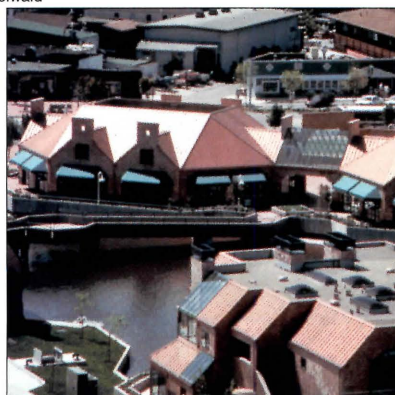


Photo Stephenson



Photo Stephenson

bag of tricks he needed.

"When Joe Esherick, Charles Moore, and Bill Turnbull did Sea Ranch in the late '60s, it changed everything," Friedman contends. Oddly enough, it wasn't their single-family houses that inspired him; it was the condos. Here, he says, the architects broke the 12x12x12 post-and-beam grid that had everyone boxed in: "Suddenly, you could have an 8 foot room or 10 foot one, one with no walls; ceilings could be any height. You could bump out and cantilever; you could poke holes for windows anywhere. You could react to the site.

"So we abandoned the module. But they were carefully dimensioned houses. No cut plywood, beams a certain length, lots of glass, four corners," he continues. "They took 48 hours to frame and cost \$8.95 a foot

back to school



Illustration: Michael Sechman

FFA is working with Skidmore, Owings & Merrill on a residential-retail complex for the University of California, San Francisco's new Mission Bay campus.

in the '70s." His builder clients were, consequently, very happy—not only were the houses cheaper to build, they could charge a premium for them. And the buyers loved the cathedral ceilings and soaring staircase volumes. Their 1,200-square-foot houses suddenly felt large and grand.

In those days, there was a market for Modern design—at least in forward-thinking California. "No one was excited about Mission-style," recalls Friedman. "Our career is full of design firsts. But we could only do this with the right clients—cowboy entrepreneurs, not MBAs. Guys who took risks."

stern thoughts

Friedman doesn't see many risk-takers in the merchant housing profession these days. Indeed, he thinks the industry teems with scaredy cats. He's most bitter about what happened down in Orange County, Calif., where he did some of his best early work. Everyone still admires Promontory Point, a 520-unit townhouse and apartment development overlooking the bay in Newport Beach that he designed in 1976. When his client, Berkeley-trained architect Ray Watson left The Irvine Company and Don Bren bought it from the Irvine family, contemporary design

eventually bit the dust. Bren's preferred style is Spanish Mission, and that's what he's commissioned for acre after acre of subsequent Irvine development. And the architects who wished to continue working in the hottest market in California gave him what he wanted. "That's why I hate these guys," says Friedman. "They're my friends, but I hate them."

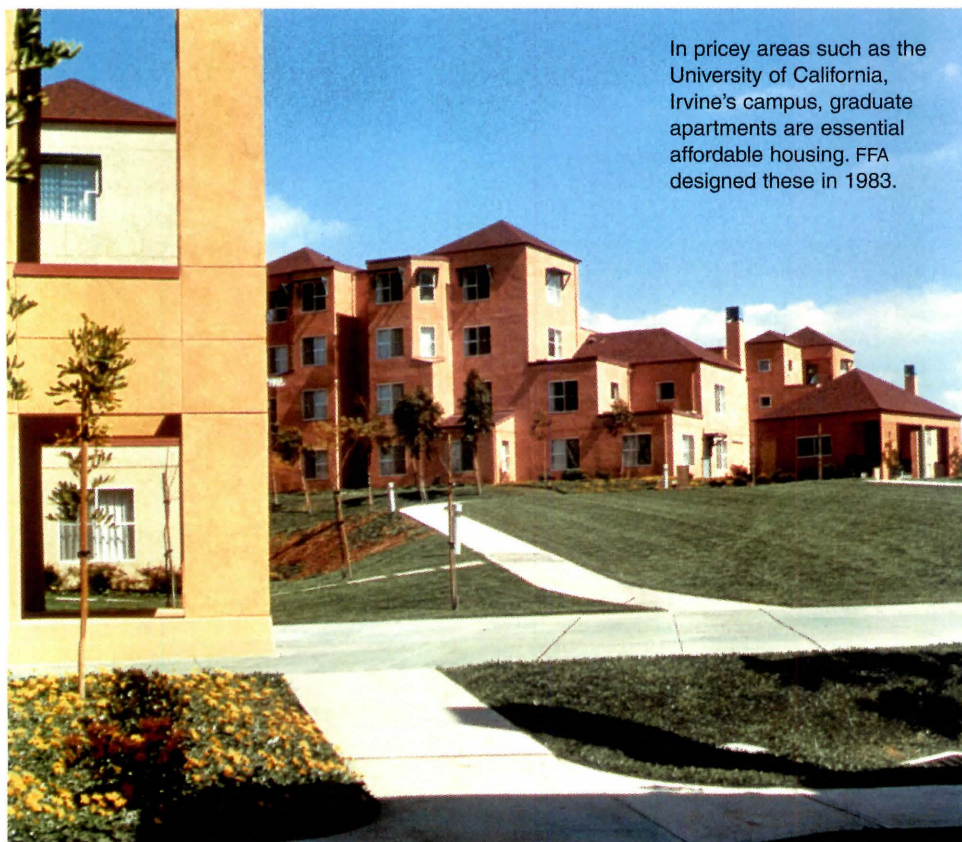
"They got scared," he postulates. "If someone walks in, they fill their expectations. They're happy providing a service. Is it architecture? No, it's trivial."

He blames Post-Modern architects for repopularizing traditional styles and squelching the public's tolerance for Modern architecture. He thinks architects like Robert Stern, Philip Johnson, and Michael Graves cost him much of his housing practice. "Someone asked me recently, do you want to get out of housing?" he recalls. "I said, no, I want everyone else to get out of housing. Cleanse the profession."

Still, Friedman knows you have to please your client to pay the bills. Not all the work he takes nowadays would delight the Bauhaus boys. But he finds a way to tweak each building to make himself happy and elicit a smile from other closet Modernists. "We always leave traces for the trained eye. The window detailing on many of our more traditional dorm buildings, for instance, is clearly not evocative of their period style. They still fit in. Clients can't tell the difference," he says.

corbu for you

Best of all, the work underwrites the jobs he's most excited to land—the civic buildings for small California cities. He's done one for Redwood City, and one for Emeryville that's just a few blocks up Park



In pricey areas such as the University of California, Irvine's campus, graduate apartments are essential affordable housing. FFA designed these in 1983.

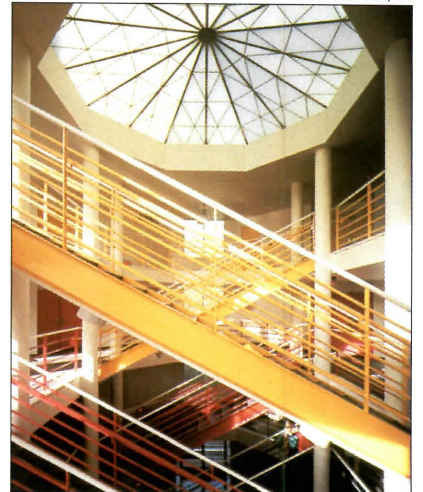
Photo Stephenson



Charles Callister Jr.



Charles Callister, Jr.



Charles Callister, Jr.



Matthew Gaber

Comfortable campus housing is now a critical marketing tool for schools. FFA's recent projects, clockwise from the top: Stanford's Manzanita Park II, undergraduate housing; University of California, Berkeley's Albany Village, married student housing; University of California, Riverside's Residence Hall V and Dining facility; Santa Clara University's Student Residence; Avalon Bay, a non-campus project in San Francisco; a renovation of Stanford's Stern Hall; and the University of San Diego's New Student Residence.



Fisher-Friedman Associates



Fisher-Friedman Associates



Illustration: Michael Sechman

Avenue from his office. It won a 2002 Gold Nugget Grand award for best office/professional building under 50,000 square feet. It's a handsome building, one that would make any Modern architect proud. It's also got one of his "traces for the trained eye": "From the rear, it looks like Villa Savoye," says Friedman.

He doing a few custom homes, some large-scale mixed-used projects, top-notch attached and multifamily housing, office buildings, and of course all of that campus housing. "We've expanded the menu of things we can do. When we started, we had knowledge of commercial work and knew nothing about housing. Now we're relearning the institutional and commercial skills," he says. "But the work is no more or less rigorous than the first houses we did." *ra*



Like a fine instrument, the most beautiful windows are handcrafted, one at a time.

Why? Because, what is a window, but an instrument for turning light into music.

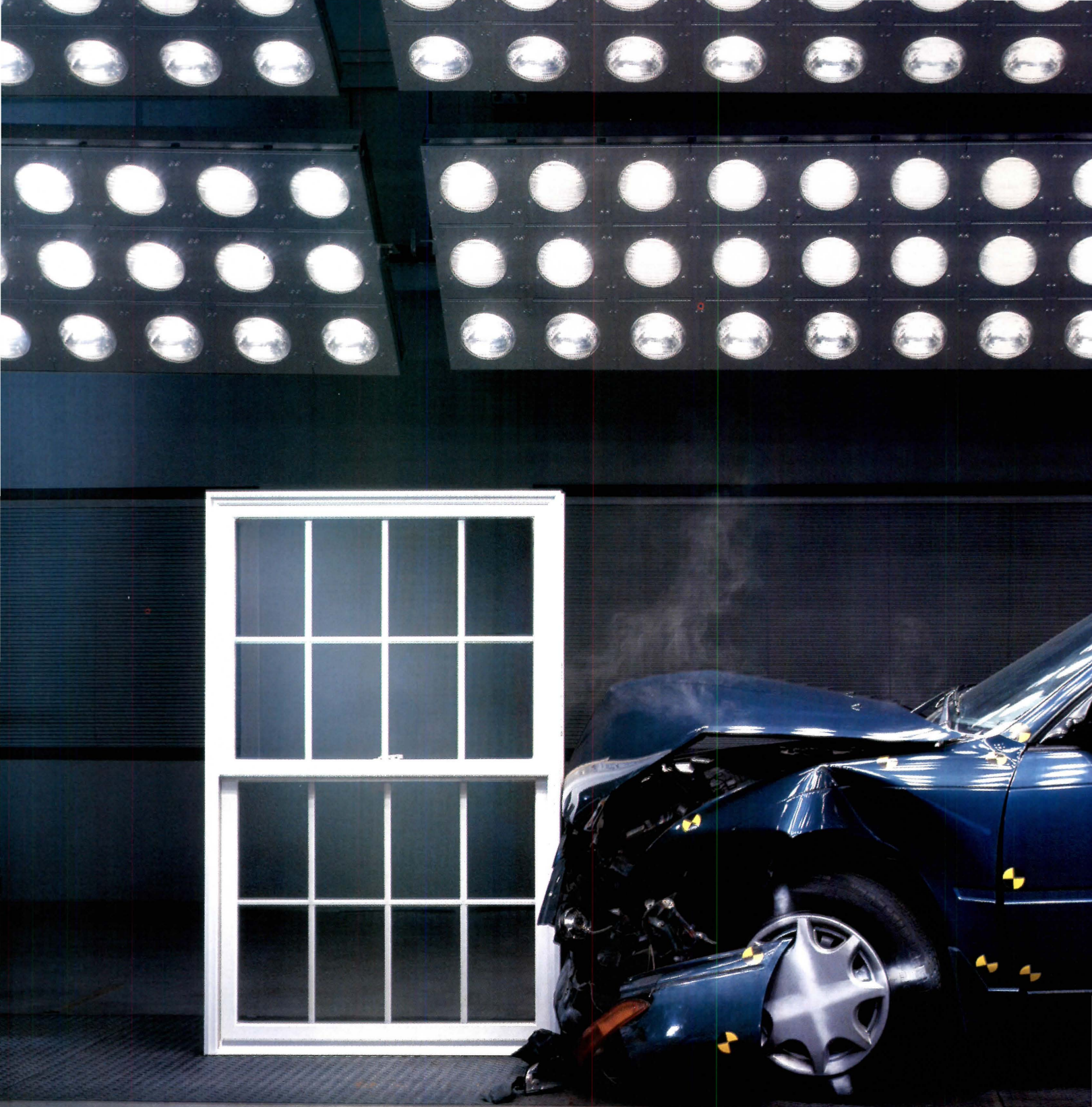
architectural details, superior millwork and furniture-grade quality truly set Marvin windows
doors apart. Visit www.marvin.com or call 1-800-236-9690 (in Canada, 1-800-263-6161).

©2003 Marvin Windows and Doors. All rights reserved. ®Registered trademark of Marvin Windows and Doors.

MARVIN 
Windows and Doors

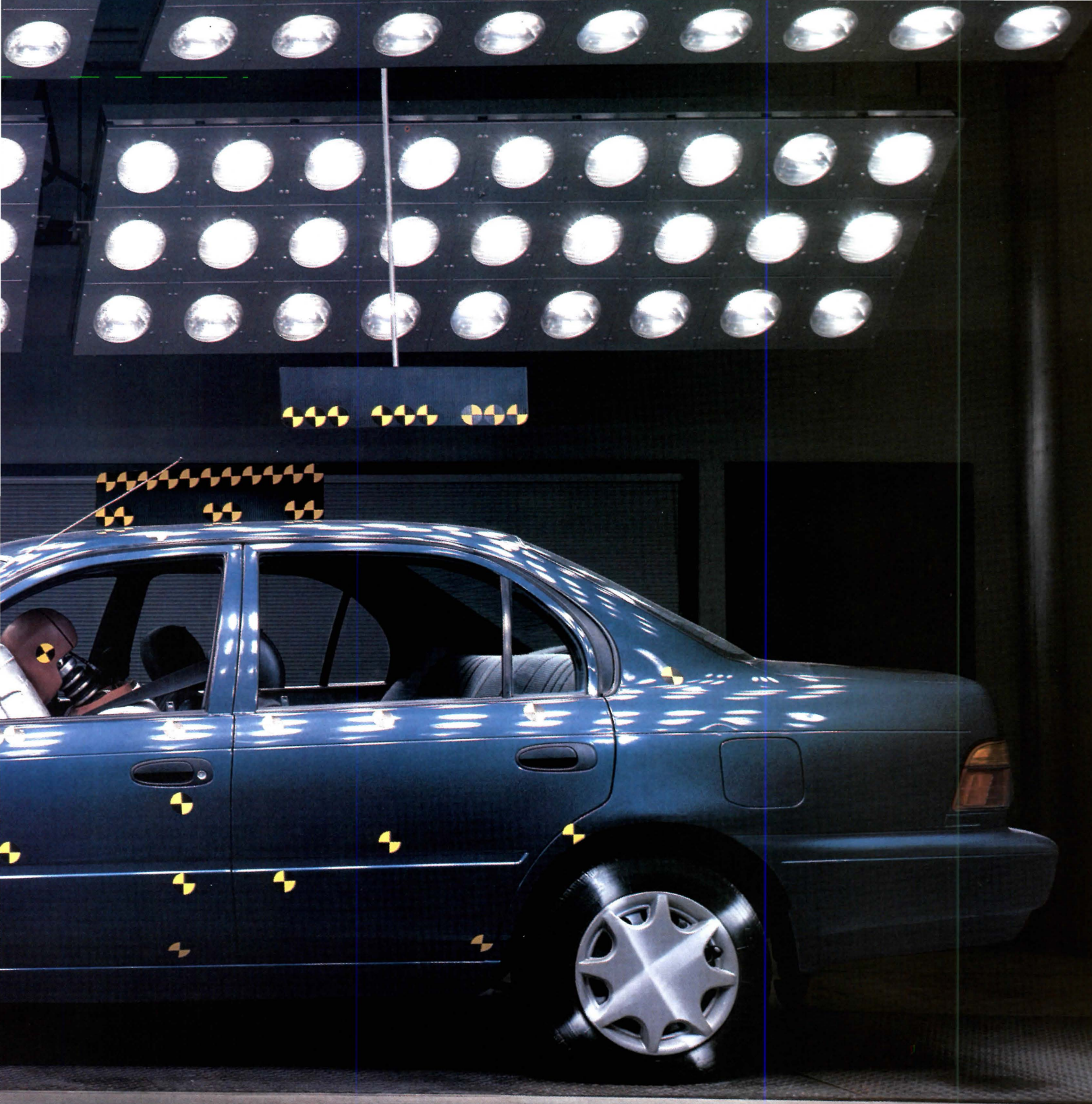
Made for you.®

Circle no. 99



Some windows and doors stand their ground better than others. Figuratively speaking, you won't run into anything like it. Integrity® windows and doors withstand some formidable forces. It's a trait that lies within a tough Ultrex® exterior, an ultra-durable, pultruded fiberglass with a patented finish. Ultrex is why Integrity products stay square for easier installation and resist streaking and cracking to maintain a timeless look. When you

©2003 Marvin Windows and Doors. All rights reserved. Photo is for dramatic effect only.



Combine these benefits with their energy efficiency and low maintenance, you're left with many happy homeowners. And, of course, virtually no callbacks. See the impact Integrity has on your business. Call us at 1-800-267-6941 (in Canada, 800-263-6161) or visit www.integritywindows.com. **Built To Perform.**

 **Integrity**
from **MARVIN**
Windows and Doors

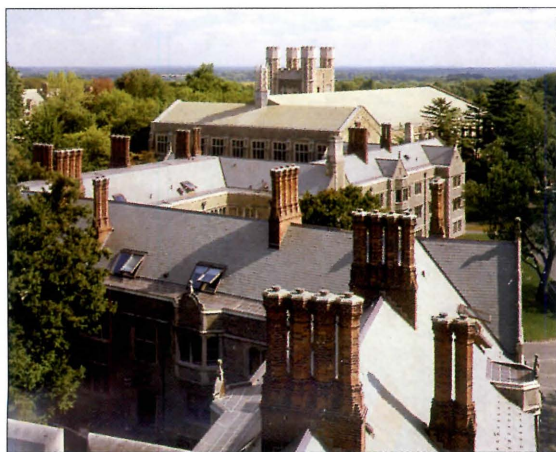
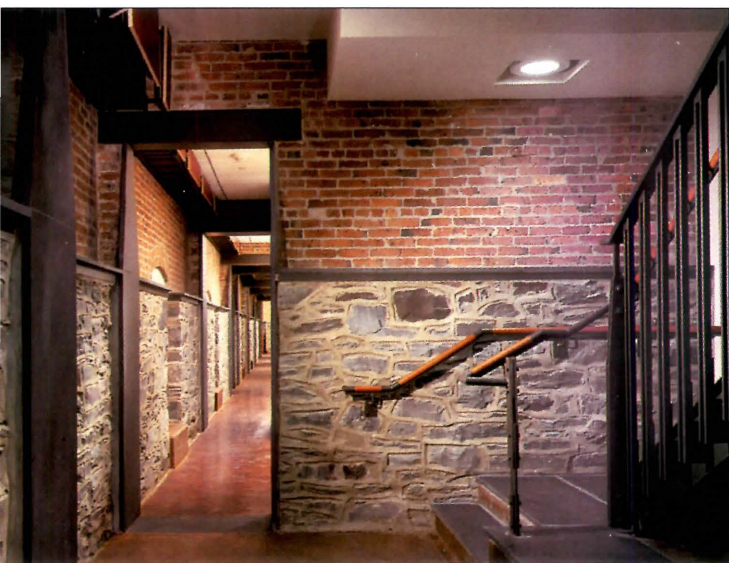
Circle no. 272

a+a+a+a+a+a+

learning curve

today's student housing
rivals the best market-rate apartments.

stafford little hall
princeton university / princeton, n.j.



Top: A 100-year-old foundation organizes the finished basement while imbuing it with a sense of history. The architects used slate to line the new doorway cuts and to clean up the rough ledge between the old stone and brickwork. Above: A rooftop view of the sprawling residence hall.

Stafford Little Hall, built in two sections in 1899 and 1902, was Princeton University's first dormitory to have indoor plumbing. It is a building steeped in history, from its intriguing foundation of gothic masonry arches to the fireplace surrounds where five generations of students have carved football scores. For Little Hall's first comprehensive renovation, the university presented KieranTimberlake Associates with an ambitious program: Add common areas and more beds, while updating the upper floors and all the mechanical systems.

Renovating an old residence hall usually means losing bed counts to meet egress codes. Here, though, the architects were drawn to the cavernous basement, where they carved out intimate rooms and corridors among the arches. More than 600 feet long, the building's ground floor had a slope that left 19-foot ceilings at one end. So the design team inserted a floor at the higher end, and, with a little excavation, made a continuous level that runs through the building.

The shadowy foundational underpinnings form the backdrop for thoroughly modern spaces. Rhythmic arches provide axial sight lines, and architectural staircases are the focal point of interior views. "The basement still has a gothic sense to it, but in a modern way," says project architect Amy Floresta, AIA. Concrete flooring at the stair landings, stained an earthy gold, and the liberal use of slate and steel, bring the basement out of the 19th century. The design team exposed the existing textures by sandblasting and repointing stone and brickwork. Where necessary, they made minor cuts through the foundations, demarcating the cuts with slate panels. To create privacy for student rooms, some of the arches had to be enclosed with brick and drywall. There, the architects continued the vocabulary by using slate to patch the rough ledge between the existing stone and brickwork.

"Our approach on the ground floor was a process of discovering spaces and materials and trying to use them to their best potential," Floresta says. "In contrast, we took a more restorative approach upstairs." Double-hung windows were replaced to match the profile and leaded glazing of the originals. Stairways were reconfigured and rebuilt. Very little history was lost: An original spiral staircase became an artifact when the architects installed it under a new stairwell. They also restored the mahogany fireplace surrounds and windowsills, some of which had been carved with stars to mark the rooms of students who have been killed in wars. KieranTimberlake's sensitive renovation, which added 18 beds, left Little Hall's history intact, a place to record the stories of the next 100 years.—*cheryl weber*



New mahogany windows illuminate a seating niche. Below: On the upper floors, energy-efficient windows match the profile and leaded glazing of the originals. A remnant spiral staircase creates an intimate nook.

project:

Stafford Little Hall

client:

Princeton University, Princeton, N.J.

architect:

KieranTimberlake Associates LLP,
Philadelphia

general contractor:

Irwin & Leighton Inc.,
King of Prussia, Pa.

structural engineer:

Robert Silman Associates,
New York City

mechanical/electrical engineer:

Hill & Bell Associates, Pottstown, Pa.

landscape architect:

Louise Schiller Associates, Princeton

project size:

80,600 square feet

number of units:

97

unit size:

190 to 550 square feet

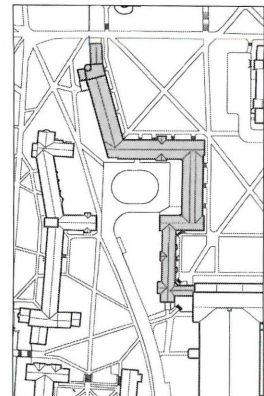
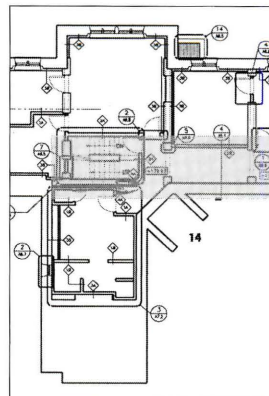
number of beds:

250

construction cost:

\$210 per square foot

Photos: Barry Halkin



mclean environmental living and learning center northland college / ashland, wisc.



Photos: Philip Prowse Photography



The front entry to the McLean Environmental Living and Learning Center looks like any other college dorm. But the building runs on alternative fuel sources such as photovoltaic panels and 120-foot wind turbine.

Environmental Sociology.” “Humanity and Nature in Literature.” “Ecology of War and Peace.” These are a few of the unusual courses the 800 students at Northland College, an environmental liberal arts college in Ashland, Wisc., can take. To complement its ecological mission, the school asked Hammel, Green & Abrahamson of Minneapolis to design a dormitory, McLean Environmental Living and Learning Center (MELLC), that champions principles of sustainable design.

HGA held several design charrettes with groups of students, faculty, and college administrators to figure out just what shade of green they wanted. They learned that the students were open to assuming personal responsibility for lessening the building’s environmental impact and to using their living quarters as a laboratory. “The students wanted an area *where they could see* the different systems working,” says Kevin Flynn, AIA, director of sustainable design at HGA.

Those systems, as designed by HGA and architect of record LHB Engineers & Architects, include a 120-foot wind turbine, photovoltaic panels, a solar hot-water heater, geothermal pumps, and a high-efficiency gas boiler with two heat-recovery units. Each is hooked up to a building-wide energy monitor that students can access on their computers to view the amounts of energy expended and taken in on any given day. The MELLC has no air conditioning, since operable windows and strategic siting keep it cool during the summer. Low-flow faucets and showerheads cut down on water use throughout the 114-bed dorm.

The four-unit wing of apartments that supplements the building’s 29 double rooms and 16 suites goes even further to promote environmental responsibility. Two of these units contain composting toilets, which use no water. And the apartment wing is home to a couple of greenhouses where students grow vegetables and flowers.

The complex process of green material selection presented Flynn and project architect Dave Bercher, AIA, with some thorny issues. “We initially thought about copper roofs because they have a very long life cycle,” Flynn says. “But copper mining degrades the environment. Then we wanted to use sustainably harvested cedar shingles—but they came from California.” They finally decided that using local materials should be their top priority and went with a conventionally harvested cedar shingle from Michigan. Other choices—sustainably harvested lumber and countertops of pressed sunflower seed shells, for example—were more straightforward.

Low-E windows and high R-value insulation play just as important a role as green materials, according to Flynn. “The thermal value of the walls dictates the amount of energy we’ll be using to heat and cool the building,” he says. “That and proper siting reduce the energy load before you even have to think about power sources.” The school’s latest numbers bear out his claim; the MELLC uses 50 percent less energy than a standard building of comparable size and function.—*meghan drueding*



project:

McLean Environmental Living
and Learning Center

client:

Northland College, Ashland, Wisc.

**design architect/mechanical and
electrical engineer/landscape
architect:**

Hammel, Green & Abrahamson,
Minneapolis

**architect of record/environmental
design consultant:**

LHB Engineers & Architects,
Duluth, Minn.

contractor:

Frank Tomlinson and Sons,
Ashland

**renewable energy systems
consultant:**

Great Northern Solar, Port Wing, Wisc.

project size:

32,374 square feet

number of units:

49

unit size:

140 to 900 square feet

number of beds:

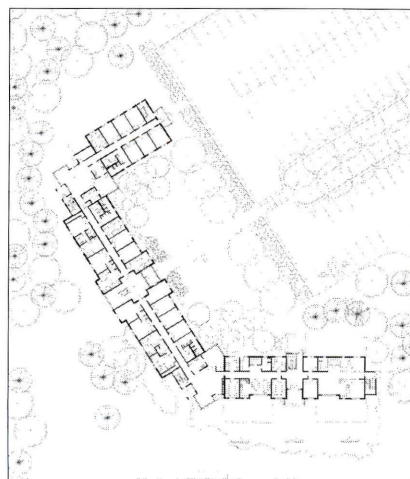
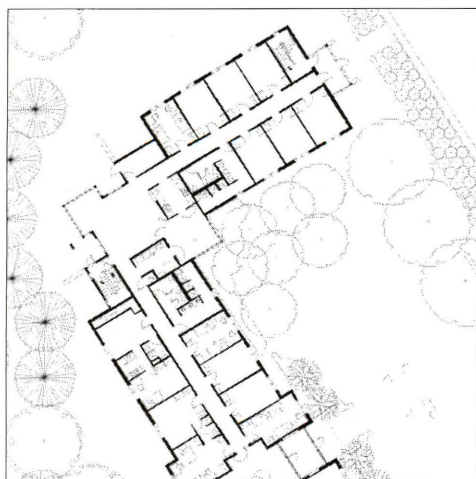
114

construction cost:

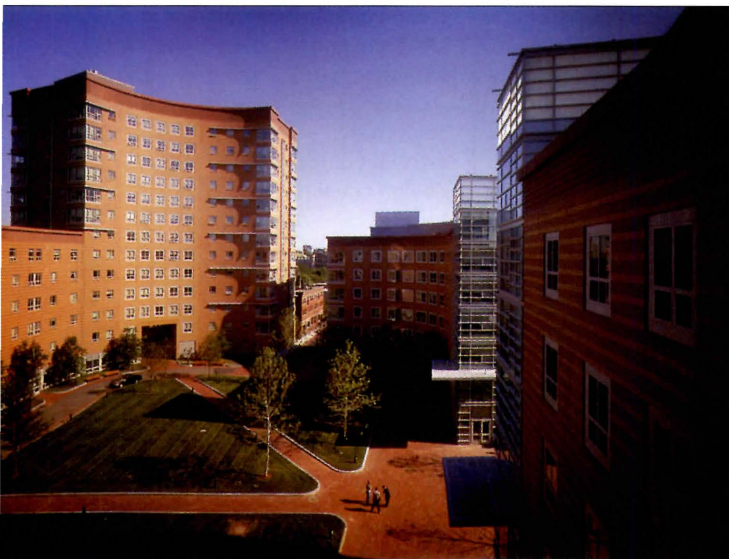
\$127 per square foot

Peter Kerze Photography

Along with specing green materials, HGA oriented the dormitory to absorb abundant sunlight throughout the day. Low-E windows in the greenhouses (above) and other areas help retain the sun's warmth, reducing the amount of supplemental heat the building requires.



west village, buildings a, b, and c northeastern university / boston



Security is an especially high priority at urban schools. For West Village A, B, and C, William Rawn Associates placed main living spaces in glass corners so students can monitor activity in the quad and surrounding neighborhood.

Like many communities that share close quarters with colleges and universities, the city of Boston hasn't always embraced student housing. But that changed in the mid- and late-1990s, when local housing prices skyrocketed. "There's been a real shift in the public attitude toward student housing," says Clifford Gayley, AIA, associate principal at the Boston firm William Rawn Associates. "The city and community have realized building more on-campus housing will reduce the number of students competing for neighborhood housing, thus leading to more affordable rental housing costs."

Along with this change came a new mission for Northeastern University, a former commuter school laced into the heart of Boston. Northeastern wanted to become more of a residential campus, one that would attract students from outside the Boston area. So it decided to redevelop the western edge of its campus—a wasteland of parking lots—into a new residential village with strong ties to the city. And it asked Gayley and principal William Rawn, FAIA, to do the honors.

The firm drew up a master plan for the West Village campus that includes three residence halls of its own design. These buildings consist of single rooms, double rooms, and four- or five-person apartments—for a total of about 1,050 beds. The halls form the corners and sides of a rectangle, leaving a grassy quad in the middle. The largest building of the three, known as West Village A, features a curved, 16-story tower meant to be seen as a landmark throughout the city.

Both students and nonstudents can enter the campus through a portal carved into the tower's first three stories, or they can walk into another, four-level-high portal that cuts through the six-story section of the building. They're both part of Northeastern's efforts to make its borders more fluid. "The portals allow the quad to be visible from the city and vice versa," says Gayley.

Glass corners extending up all eight stories of the other two structures, West Village B and C, mark the entrances to those buildings. Like the portals, they invite visitors. "At night, the glass gateposts turn into these glowing, 'beacon-like' elements," Gayley explains. "They have a civic quality that reinforces the university's commitment to a campus that is open and welcoming to the city."

Floors three through seven of B and C comprise apartments, and Rawn Associates placed the units' living rooms inside those glass gateposts. The strategy gives prime views to lucky students, but it also provides a greater opportunity for "eyes on the street" to supplement round-the-clock building security.—*m.d.*



project:

West Village, Buildings A, B, and C

client:

Northeastern University, Boston

architect:

William Rawn Associates, Boston

contractor:

Turner Construction Co., Boston

structural engineer:

LeMessurier Consultants, Boston

mechanical/electrical engineer:

TMP Consulting Engineers, Boston

civil engineer:

The BSC Group, Boston

geotechnical engineer:

Haley & Aldrich, Boston

landscape architect:

Pressley Associates, Cambridge, Mass.

project size:

400,000 square feet

number of units:

268

unit size:

850 to 1,250 square feet

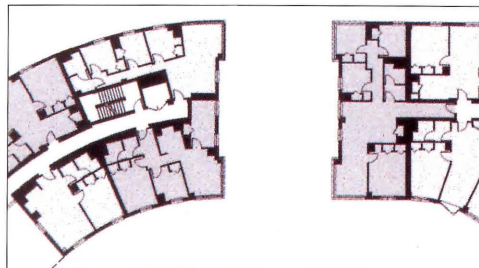
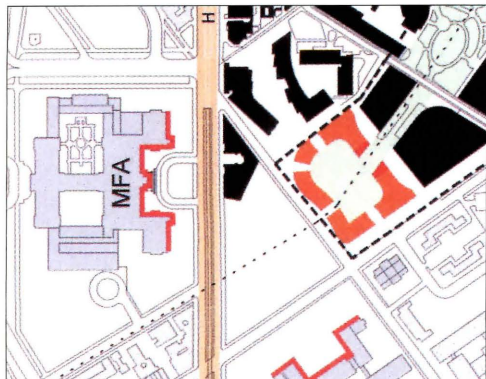
number of beds:

1,050

construction cost:

\$160 per square foot

Photos: Steve Rosenthal



Northeastern envisioned the West Village as a crossroads for Bostonians and students. The site plan (far left) provides a clear path for students exiting the campus to enjoy nearby attractions such as the Museum of Fine Arts. And the entry portals, glass towers, and breaks between buildings welcome locals cutting through campus to get to other parts of the city.

richard w. lyman graduate residences stanford university / stanford, calif.



Leddy Maytum Stacy applied low-budget materials, such as cement board panels, kalwall, and metal scrims, in fresh ways. The residences' colors and proportions fit the context of Stanford's campus, while the modern materials establish a bold new style.

Some firms would choose a nice, big-budget project with an uncomplicated site for their first student housing commission. Not Leddy Maytum Stacy. The San Francisco firm, formerly known as Tanner Leddy Maytum Stacy, cut its campus housing teeth on a pair of tightly budgeted graduate residences at Stanford University. Built on a wedge that divides the developed section of campus from the historic horse farm that once belonged to Stanford's founder, the project *had to gesture to* both sides while still forging its own identity.

Principal Bill Leddy, AIA, arranged the two dormitories and their central commons building around the site's three venerable oak trees. The slightly curved north building presents a strictly urban facade to the western, rural side of campus. Native grasses grow right up to its doors, highlighting the delineation between old-fashioned farm and modern-day university. The other residence hall forms a semicircle around the southern tip of the site, leaving the eastern section of the parcel open to the rest of the campus. In all, the complex beefs up Stanford's housing capacity by 112 two-bedroom, 550-square-foot units.

Between the dorms lies a commons building containing lounges, a mail-room, laundry, and other community spaces. Four angled towers of concrete block rise from the corners of the commons, and its circular courtyard surrounds one of the oaks. At night, they appear to be supporting the oak's leafy, uplit crown.

Neither the school's budget nor the firm's aesthetic sense permitted a direct imitation of Stanford's mostly Mission-style collection of buildings. Instead, Leddy and his team chose materials, such as sand-colored stucco, cement board panels, and red metal roofing, that merely touch on the existing architecture. An entry gate and a series of bike shelters, both constructed of unpainted wood slats, make reference to the horse farm's corrals.

The architects even syncopated light and shadow to subtly link the project to its context. "Walking around the campus, we noticed the shadows of oak trees on some of the older dorms," explains Leddy. "It became clear to us that this was a nice way to enliven a simple, modest building." They positioned each structure so that the oak's shadows would fall on it throughout the day. More elements that play with light and shadow include red metal trellises over the building entrances and a three-story mesh scrim on the north building's street facade. The scrim also serves to visually break up that facade a bit, mitigating its size.

Another tactic for reducing apparent scale is the use of several four-story, Kalwall-glazed stair towers notched into both dormitories. At night the stairwells glow from within, and at all hours they provide residents with opportunities for casual socializing. For Leddy, the latter is just as important a goal as contextuality or visual panache. "In some ways, this housing type has more elements of community than housing for a commercial developer," he says. "To us, that's very exciting."—*m.d.*

Pushed-in, four-story towers along the dormitories' facades give the project a permeable feel. So does the central commons (below), which can be accessed through several different openings.



Photos: Richard Barnes

project:

Richard W. Lyman Graduate Residences

client:

Stanford University, Stanford, Calif.

architect:

Leddy Maytum Stacy, San Francisco

architect of record:

Tanner Leddy Maytum Stacy,
San Francisco

contractor:

Dow/Amoroso, Foster City, Calif.

structural engineer:

Steven Tipping & Associates,
San Francisco

civil engineer:

GL&A Civil Engineers, San Francisco

landscape architect:

Hargreaves & Associates, San Francisco

project size:

108,000 square feet

number of units:

112

unit size:

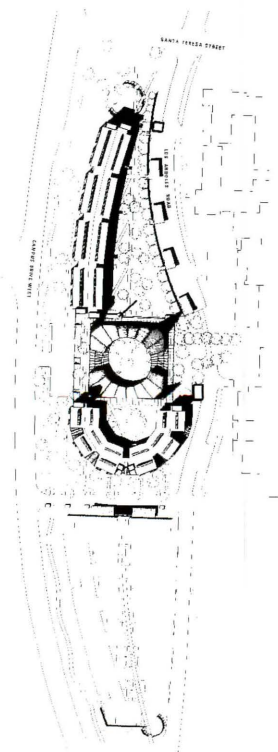
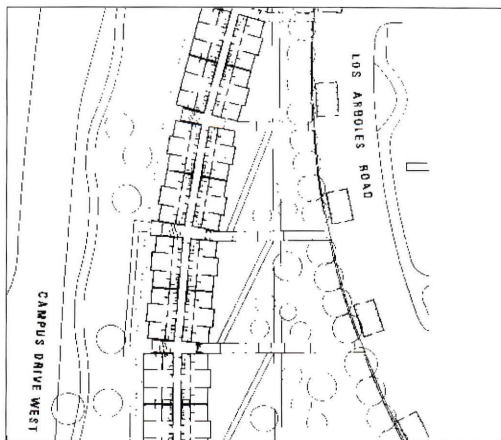
550 square feet

number of beds:

224

construction cost:

\$102 per square foot



edward t. lewis quadrangle st. mary's college / st. mary's city, md.



The covered loggia ushers framed views of the lawn as pedestrians walk its length. Each building is clad in handsome, traditional brick.

When designing this new student housing project on the campus of St. Mary's College in St. Mary's City, Md., Muse Architects used the same approach as it would a custom home commission. "We didn't just look at the building itself; we looked at the relationship of the building with exterior spaces," says principal Stephen Muse, FAIA. The result is a project sympathetic to the university's master plan of tucking buildings artfully into open spaces, and one where students think of each other as neighbors.

The university's request was deceptively simple: Provide suite-style accommodations for 250 students. It deferred to the firm the decision of what form the project should take and how it would speak to the master plan. A softer, fuzzier goal, the architect says, was "to make the students feel proud of living in a place instead of just a dorm." Thus, Thomas Jefferson's Lawn at the University of Virginia came to mind.

"When we were interviewing for the project, we talked about things like the Lawn and what it meant to students to live there," Muse says. "And we said, 'Let's make a place where students would want to live.'"

To achieve that sense of place, Muse and project architect Bill Kirwan, AIA, inserted a courtyard and quad composition of three dormitory buildings for 216 students and a fourth building with study rooms, laundry facilities, and recreational areas. The architects carved a loggia into the base of all four buildings to provide a continuous pedestrian space around the courtyard as well as covered access to each building. Interiors have straightforward, affordable, and easy-to-maintain materials; durable, handsome brick clads the exteriors.

Originally, the college planned to build large suite-style units—with bedrooms and living rooms but no kitchens—presuming this would be the most efficient configuration. But the plan changed during the design phase. "They charged us with getting as close to 250 students as possible, and the way to get there was with larger, 16-person suites," Muse says. "But when we met with different student groups, they said they didn't like suites of that size—they liked smaller suites." As a result, the architects created configurations that include six-, 10- and 14-bed suites.

Squeezing that mix within the overall square footage proved to be a challenge, Muse says, but the result yielded a better, happier distribution of students—the first and best step toward creating a sense of community.—*nigel f. maynard*



Bright and airy, the recreation area is housed in a community building with laundry and study rooms. Below: Students have easy access to other quad buildings under covered walkways. The site plan echos the campus master plan, which seeks to preserve and enhance open space.

project:

Edward T. Lewis Quadrangle

client:

St. Mary's College, St. Mary's City, Md.

architect:

Muse Architects, Washington, D.C.

contractor:

W.M. Davis, Inc., Leonard Town, Md.

structural engineer:

Ehlert/Bryan, Inc., McLean, Va.

mechanical/electrical engineer:

A.J. Engineers, Inc., Annandale, Va.

civil engineer:

A Morton Thomas and Associates, Inc., Rockville, Md.

geotechnical engineer:

Bob Taylor Engineering, Inc., Annapolis, Md.

landscape architect:

O'Doherty Graham Landscape Architecture, Annapolis

project size:

47,000 square feet

number of units:

24

unit size:

960 to 2,308 square feet

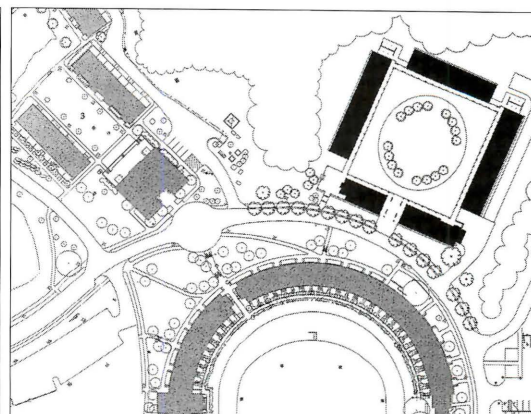
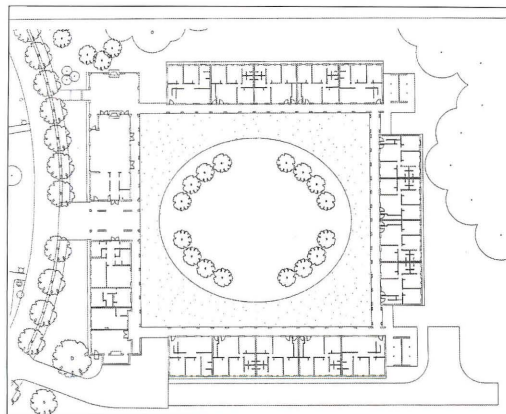
number of beds:

216

construction cost:

\$136 per square foot

Photos: Alan Karchmer



radford court married student housing university of washington / seattle



The community center (above) commands attention with vivid colors and a dramatic entryway. To mitigate dreary Northwest weather, van der Veen pushed the amount of glazing to the absolute limit local energy codes would allow. Open floor plans make the most of meager square footage.

We've developed a concept we call community of scholars," says Ron van der Veen, lead architect for Radford Court, the University of Washington's married student housing project. During his 12 years of designing campus housing with Seattle-based Mithun, van der Veen has noticed a trend of students choosing more autonomous apartment-style units rather than dorms. While this change offers more privacy for residents, it also challenges architects to devise other ways to create community. "We spend a lot of time thinking about in-between spaces," he says, "and anywhere we can create an interconnectedness for the students." Radford Court's connective tissue includes a site plan of clustered townhouses and shared green spaces that function as small "neighborhoods." A community center and a child development center complete the picture.

The project was no gut course. Van der Veen found himself tested by 30 design-review meetings with contentious neighbors, a site with a 130-foot grade change, and a city mandate to preserve 70 percent of mature vegetation. Oh, and the units had to be affordable—in a city with one of the highest median house prices in the country.

Those design-review meetings allayed neighbors' fears of parking congestion and blocked views. Such problems were solved by designing the housing into the hill and scattering clusters of parking spaces throughout the area. To help meet a snug school budget van der Veen sped unpretentious materials and repetitive building forms, which held construction costs to a thrifty \$85 per square foot. "There's a dichotomy of creating institutional buildings on a residential budget," he says. "You have to weigh the trade off between longer-lasting, more durable materials and what the budget will accommodate."

Because most of Radford Court's residents have children, the architect selected materials with little or no off gassing—such as recycled carpet, linoleum, low-VOC paint, vinyl windows, and galvanized steel. With the school's blessing, he used this basic palette in dynamic ways by, for example, collaborating with vinyl siding manufacturers to spice up color options and applying vinyl soffit board vertically to punch up exteriors.

"Universities are competing more fiercely for students, especially for those who'll live on campus," he says. The housing units are a stable source of profit for school coffers, and good design helps keep them at full capacity. Such projects keep van der Veen at full capacity, too, consuming more time and energy than typical multifamily work—still, he emphasizes the rewards. "You get to work," he says, "with smart people who have noble causes."—*shelley d. hutchins*



Photos: Doug Scott Photography

project:

Radford Court Married Student Housing

client:

University of Washington, Seattle

architect:

Ron van der Veen, Vince Ferrese, Roger Gula, Andrew Hoyer, Laura Malkasian, Mithun, Seattle

interior designer:

Masami Saito, Mithun, Seattle

contractor:

Walsh Construction, Seattle

mechanical engineer consultant:

Key Engineering, Seattle

electrical engineer consultant:

Active Engineering, Seattle

civil engineer:

Coughlin Porter Lundeen, Seattle

geotechnical engineer:

Amec, Seattle

landscape architect:

Atelier, Seattle

project size:

22 acres

number of units:

400

unit size:

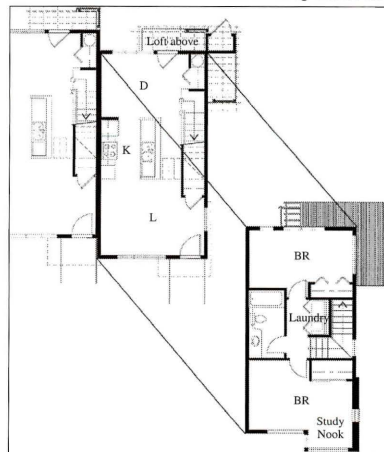
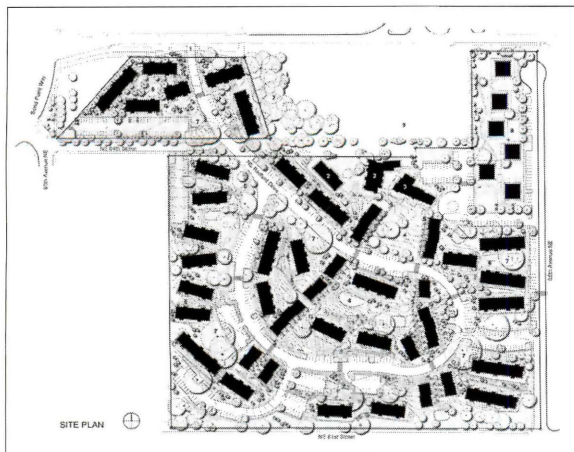
435 to 980 square feet

number of beds:

1400

construction cost:

\$85 per square foot



By placing kitchens in the middle of first-floor living areas (below, right), residents can decide which exterior door they want to use as their primary entrance. Study carousels (above), termed "glow rooms" by Mithun, enliven elevations with protruding bays of corrugated steel. At night, over-scaled windows burn with midnight oil. Below, left: The site plan establishes a contrapuntal dialogue between two types of buildings: buildings of "danger" that divide the steep site and point toward the three communal buildings, and buildings of "repose" that step lazily down the hillside.

The Dawn Of A New Deck System



**DECK
LOK
SYSTEMS**

Lock Into The Future

Nothing is as sublime as the silent awakening of a new day. But honestly, we are coming remarkably close.

Soon - very soon - your customers will have a refreshing, new choice in architectural vinyl decking systems. Exciting, new colors with better inventory management. Easier, more innovative assembly. And a surprisingly comfortable price. This may be the day you've been waiting for.

Witness the new Deck Lok at The International Builders' Show Booth #7641

For more information call 800-488-5245 or visit us at www.royalcrownltd.com

Circle no. 316



Another Quality Product from Royal Crown Limited

Patent Pending



www.insideadvantage.com

Circle no. 342

HELPING HOMEOWNERS BE MORE PRODUCTIVE IS WHAT
THE FAMILY STUDIO IS ALL ABOUT.

The Family Studio is an exciting new concept in home design that combines Whirlpool® fabric care products with a multi-functional space, providing a place where homeowners can make every day more productive.

A variety of innovative products are available to suit your clients' fabric care needs and their lifestyles. Make the Family Studio a part of your homes and you'll have something unique that appeals to homebuyers. Plus you'll have the potential to build more value into every home.

The Family Studio. Only from Whirlpool Corporation.
The Inside Advantage.™ Call 800-253-3977.

“I NEVER THOUGHT I COULD GET
SO MUCH DONE IN A LAUNDRY ROOM.
UNTIL MY ARCHITECT SHOWED ME
THE WHIRLPOOL® FAMILY STUDIO.”



resin in the sun

should you use composite lumber for your next deck spec?

by nigel f. maynard

What could be better than a well-placed wooden deck? It's a perfect spot for entertaining outdoors, an ideal place to while away a summer afternoon. But it's not without its vices: Traditional lumber may keep your client's budget in the black, but when homeowners complain about weekends spent sanding and resealing, everyone will see red.

mixing it up

Made from wood flour and recycled or virgin plastic, composite lumber has become a hot product because it offers the benefits of wood without the maintenance issues typically associated with most species. On the market for about 10 years now, composite lumber occupies about 10 percent of the \$2 billion decking market and is growing at a rate of about 15 percent to 20 percent per year, says Paul Bizzarri, marketing manager for TimberTech in Wilmington, Ohio. Manufacturers claim it's the spec of the future.

A primary reason for the growth is maintenance—or the lack thereof. While the product isn't completely maintenance free, makers say it's as close as you're

going get to a hands-off product. Most composite decks need only an occasional sweeping or hose washing, and those that have been painted will require repainting after a few years.

Gail Lindsey, FAIA, who specializes in green design, favors composite decking because many products contain recycled wood and recycled plastic bags or milk jugs. Low-maintenance benefits attract her, too. "You don't have to treat it once you install it," says the principal of Design Harmony in Wake Forest, N.C.

Other architects spec the material for aesthetic reasons. Architect Reed Axelrod, AIA, uses composites in certain jobs to solve design issues. "The product is attractive because of its longevity and its ease of maintenance," says the principal of Reed Axelrod Architects in Philadelphia. "But it also can come in tongue-and-groove styles so there are virtually no seams once it is installed. This provides a nice detailed look that is more suitable than typical deck planks."

Architect E. Gary Schloh warns that architects need to pay close attention to installation. "It is important that the contractor install the product correctly," says



Courtesy TimberTech

Composite decks could make refinishing wooden versions a thing of the past.

the principal of Architecture by Schloh in Los Gatos, Calif. "They need to know how tight to screw it down. If it's too tight, it won't look good." Schloh advises against painting a composite deck because you'll end up with the maintenance situation you tried to avoid. Also, the structural support of the deck needs to be engineered carefully. "Most composites cannot span the same distances as real wood," he says, so spec the joist spacing accordingly.

exploring the options

Architects have a wide range of decking manufacturers from which to

choose. Winchester, Va.-based Trex, which claims to have installed the first composite deck in the Everglades about 11 years ago, offers wood and plastic composite decking and railing products made primarily from reclaimed hardwood sawdust and reclaimed or recycled polyethylene plastic. Five stock colors are available, or, if upkeep is less of a concern, the product can be painted or stained with an oil-base coating, company representative Maureen Murray says. Staining and painting should be done five to 12 weeks after installation, she says, when the deck has

continued on page 80

*If you think all porcelain
tile is created equal...*



...think again.

There's porcelain tile... and then there's **Crossville Porcelain Stone Tile**. Only Crossville features the patented **CROSS-SHEEN®** finish for enhanced color and improved cleanability. For best performance and selection – including stunning **Questech® Metals** – look to Crossville. The original... and best.



www.crossville-ceramics.com
888-465-1289, ext. 417

Circle no. 38

faded to its final gray color.

TimberTech sells a line of products made from a combination of recycled wood and virgin plastic. The products come in a choice of tongue-and-groove planks, 2-by-6-inch planks for the traditional look of a wood deck, and deck planks measuring 5 1/2 inches wide by 1 inch thick. Stock colors are redwood, cedar, and gray.

Correct Building Products in Biddeford, Maine, says its CorrectDeck planks are stiffer, lighter, and thinner than other composite decking, so they're easier to handle and install. The gray-, cedar-, or natural-colored planks are made from 60 percent hardwood sawdust and UV-stabilized polypropylene. And Weyerhaeuser in Federal Way, Wash., manufactures

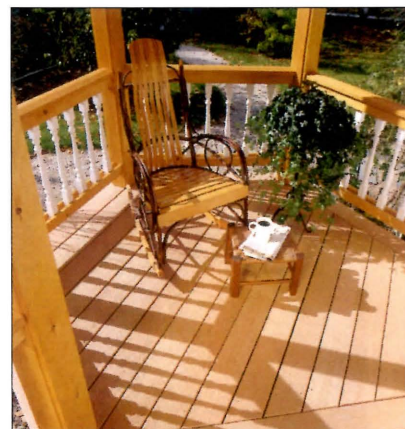
ChoiceDek, a wood fiber and recycled polyethylene product that's water resistant and free of stress points, the company says. Other manufacturers include USPL in Boca Raton, Fla.; CertainTeed in Valley Forge, Pa.; Composite Building Products International in Barrie, Ontario, which offers deck boards, railing, trim, and fencing; and Mississauga, Ontario's CPI Plastics Group, makers of thermoplastic decking, railing, and accessories.

stacking the deck

Despite all the benefits, composites have yet to take over the industry. "New home builders have not



Courtesy Trex



Courtesy CorrectDeck



Courtesy ChoiceDek

completely adopted the product," says Bizzarri. "It might be because of awareness." At the moment, only 20 percent of the composite market goes to new construction; instead, most are installed for homeowners who are on their second decks and weary of the maintenance burden of real wood. Bizzarri anticipates greater market penetration by 2005. By that time, he claims, consumer understanding of the product will increase, and more builders and contractors will be comfortable and familiar with the material.

Meanwhile, one stumbling block is the initial cost of the material—something everyone's sensitive

to. Architect Gail Lindsey says that when she specced Trex in her own house years ago, the product was quite expensive. Although across the industry the price has come down, composites still cost about 15 percent to 20 percent more than treated Southern yellow pine, according to Bizzarri. However, the product makes up for this cost difference in about five years, manufacturers say. Lindsey agrees. The architect installed two decks at her house about seven years ago—one composite and another with treated lumber—and in that time the traditional lumber deck has cost her more money.

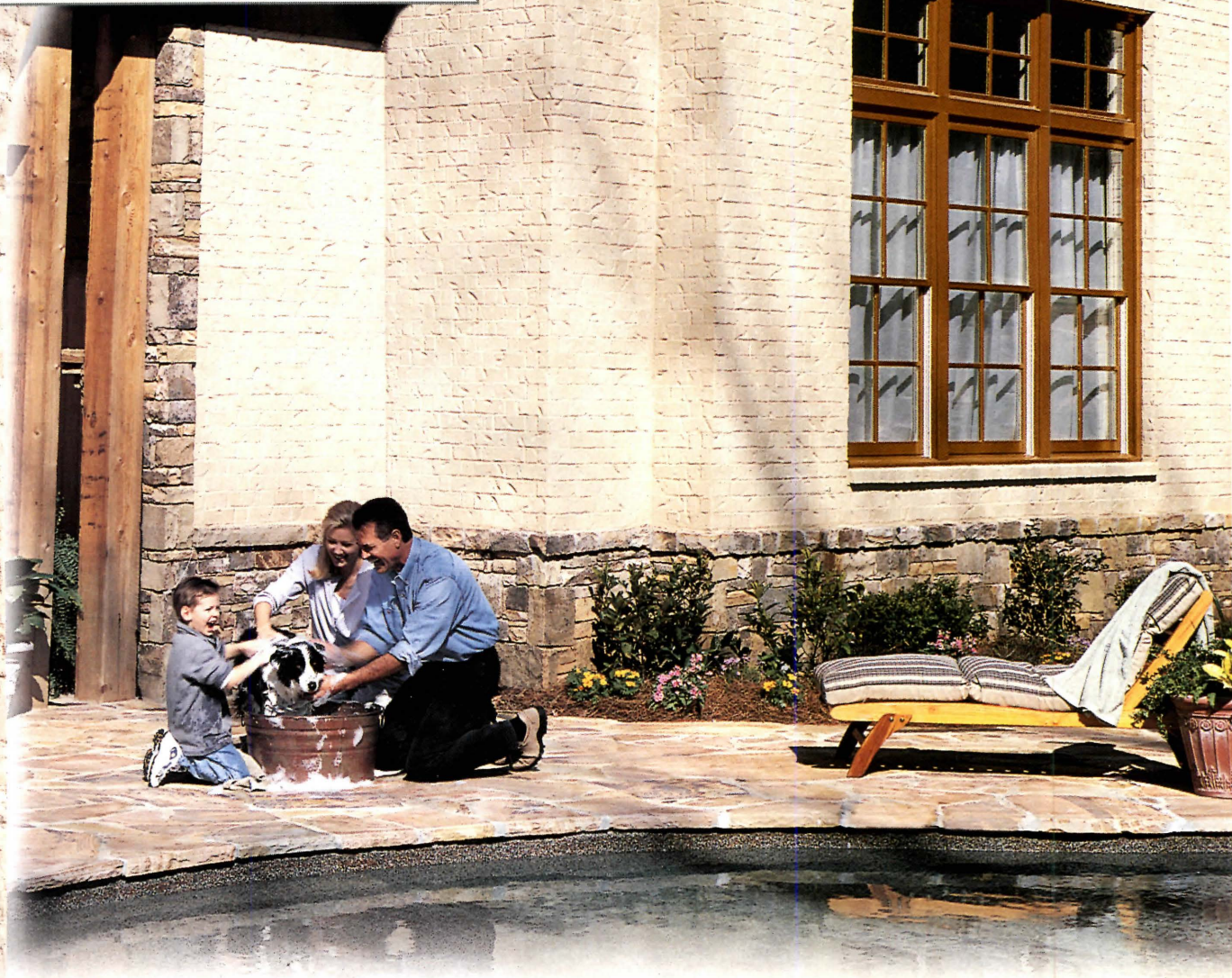
Of course for some

Despite their benefits, Trex (above, left), CorrectDeck (above), and ChoiceDek (left) will cost about 20 percent more than standard treated lumber, but life-cycle cost may be lower.

clients, nothing but the real thing will do—no matter what cost or effort is required. Some people, says architect Reed Axelrod, just don't want their feet touching a synthetic deck. These clients, he says, would rather pay more for cedar or redwood—hearty species that are durable and require only a coating of sealer from time to time.

Although they will always look to you for suggestions and expertise, only your clients can decide whether composites will suit their aesthetic sensibilities and financial bottom line. Still, it's up to you to let them know they have the choice. Composites offer an affordable alternative to cedar or mahogany, a maintenance-free substitute for softwoods, and an ecologically sensitive means of preserving our resources. Maybe if you spec it, everyone will see green. **ra**

**THE LATEST LOOK IN
BRICK FOR THOSE WHO DON'T
WANT THE LATEST LOOK**



Project an image of warmth that sets your new home apart by using our distinctive PastelCote™ system. Our exclusive system uses PastelBrik™ with PastelCote coating so your home will have all the antiqued warmth and texture that only our unique method can offer. Available in a variety of wonderfully expressive colors and textures that are backed by a 25 year limited warranty, you'll discover beauty really can last. For more information call

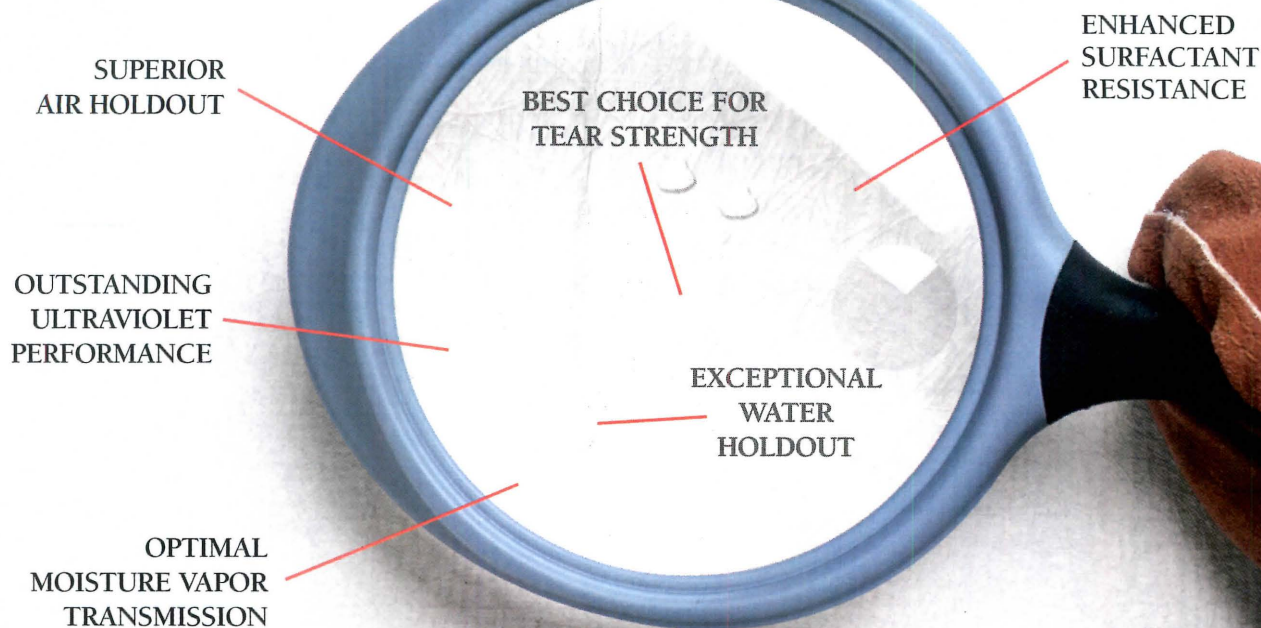
1-800-5-BORAL-5 or visit www.boralbricks.com

Circle no. 224

BRING HOME THE POSSIBILITIES.

 **BORAL BRICKS**
 **Cote™**

Color shown is PastelTaupe.
©2002 Boral Bricks Inc.



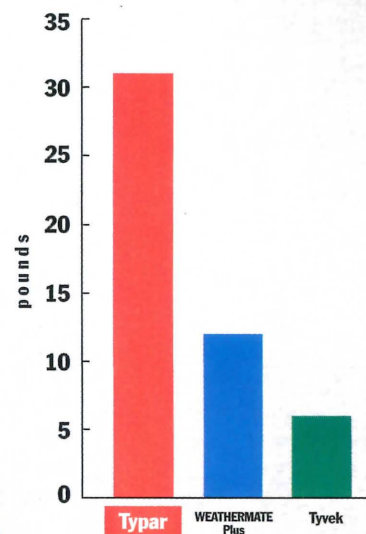
NEW TYPAR HOUSEWRAP. LOOKS DIFFERENT. PERFORMS BETTER.

Take a closer look at new Typar HouseWrap and you'll know why it's the best performing housewrap—guaranteed. When you examine and compare performance features, you'll see new Typar HouseWrap simply can't be beat.

Typar not only stands up to the rigors of the jobsite, it performs better over time, too. So while the new Typar HouseWrap may look different, it's still the brand you can trust for reliable performance, home after home, year after year.

**For more information, call 1.800.284.2780
or visit www.typarhousewrap.com.**

Circle no. 388



Based on published results for tear strength, Typar HouseWrap is two and a half times more tear resistant than WEATHERMATE Plus, and five times more tear resistant than Tyvek, according to ASTM D-1117 testing.

TYPAR®

HouseWrap



Your ideas become reality™

A CONTEMPORARY KITCHEN WITH A TIN LOOK CEILING? **YES!**



Item 1240 TinTile™

What do you call an exciting new ceiling design with a real tin look, but without the real tin installation costs?

A ceiling that distinguishes your designs and the way you combine old and new ... contrasts and textures.

A ceiling that gives you incredible design flexibility, with a variety of patterns that you can paint to mimic any metal finish or match any décor.

We call it an Armstrong Tin Look Ceiling ... You'll call it "inspirational."

Attract homebuyer interest and inspire more projects with Armstrong Tin Look Ceilings.

Call us today at:

800 233 3823

www.armstrong.com

Circle no. 50

Vinyl • Laminate • Hardwood
Linoleum • **Ceilings** • Cabinets



architects' choice

product picks from the pros.

lim
chang
rohling



*adele chang
pasadena, calif.*



red, white, and cool

Chang likes the “clean design” of a Sub-Zero wine storage system, but she also likes the unit’s large capacity and its separate climate-control zones. The system maintains a constant temperature and optimum humidity in separate zones for red and white wine. Rustproof metal shelves faced with solid cherry wood store as many as 147 wine bottles. “It also has nice clear glass so you can see what’s inside,” says Chang. Sub-Zero, 800.222.7820; www.subzero.com.



exercising options

Siematic cabinets are among Chang’s favorite specs because of their wide variety of styles and options. “And our clients really enjoy the attachments and accessories,” she adds. The company produces more than 81 door styles and 90 standard finishes, including aluminum, ribbed laminates, solid wood, wood veneers, and lacquers. Siematic, 215.244.6800; www.siematic.com.

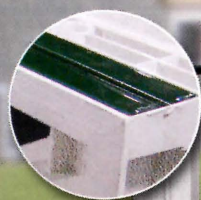


fly away

The Pella casement window with hide-away pull-down screen is a modern twist on a traditional-style window. Chang likes to spec it with a retractable insect screen that rolls up out of sight when not in use. “It does not obstruct sight lines, and it allows clear vision to the outdoors,” she says. The window features interlocking wood joints, weather-impervious glue, a foldaway crank, and treated wood to resist rotting. The aluminum cladding is available in a variety of standard and custom colors. Pella, 888.84-PELLA; www.pella.com.

—nigel f. maynard

650 MASONRY HOPPER



FORM AND FUNCTION

Superseal Series 650 Masonry Window.

After installing your first 650 hopper window you'll never want to install a foundation window any other way. That's because they go in fast, easy and they're tough as nails.

How does it work?

The Series 650 is a two-piece system. A pour-in-place window buck does all of the dirty work. The buck is set into and secured to the masonry forms while the foundation is poured. The buck features a reinforced "insert" that acts as security bars throughout the entire construction process.

Never break a window again.

The second piece to the 650's innovative design is a snap-in window unit that stays clean and safe while it's stored away until construction is complete.

It's a Snap!

When the window is ready to be installed the security bars are easily cut away and the self-contained window unit is simply snapped into place. The reversible window unit can be installed to vent from the top or bottom. A full sized screen offers 30% more ventilation than a similar sized slider and there are no tracks to keep clean.

Really Tough.

High density injected molded vinyl construction and built-in steel lintel provide superior strength and proper support for a masonry installation. The Series 650 is constructed with durable corrosion resistant material that will not rot, rust or retain moisture enabling it to withstand higher than normal pressure. The 650 achieves the highest forced entry resistance rating with a heavy-duty locking mechanism that ensures maximum security.



SUPERSEAL
WINDOW AND DOOR COMPANY

Circle no. 204

Visit Us At These Upcoming Trade Shows:

International Builders' Show Booth # C6642 (Jan 21-24 2003) • Contractors & Builders Supply Show Booth #700 (Feb 6-8 2003)
NRLA Show Booth # 628 (Feb 6-8 2003) • Builder Mart Booth # 1813 (Mar 19 2003) • World of Concrete Booth # 4326 (Feb. 4-7)

Superseal is proud to sponsor the Show Village Remodeler's Habitat for Humanity Home at the 2003 International Builders' Show.
supercell2000.com / supersealwindows.com • 1-888-NEW-VINYL

new material

pip-ing-hot products for your next project.

new classic

Architects who love Dornbracht's Tara Classic faucets will appreciate the Proffi. Swept from the same sleek lines that made Tara a favorite, the high-powered product has a gooseneck faucet and a swinging spray head. The faucet incorporates an automatic hydraulic diverter that senses the use of the hand spray and diverts water from the tap. Once the lever for the spray is released, water automatically flows from the spout again. The single-lever, single-hole mixer is available in polished chrome or platinum matte and in left- or right-handed configurations. Dornbracht, 800.774.1181; www.dornbracht.com.



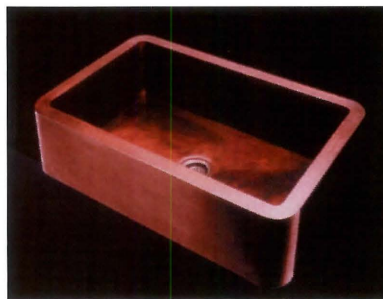
heat is on

Carson, Calif.-based Capital Cooking

Equipment says this new Performance Series range looks top-of-the-line but is priced competitively. The one-year-old company is a new player among high-



end cooking appliance manufacturers, and representative Natalie Ness says its products—priced from \$2,183 to \$4,633—aim to take a bite out of the better-known brands' market share. This 48-inch gas range has four 500- to 16,000-BTU sealed burners, a 30,000-BTU convection oven, an 18,000-BTU broiler, and an 18,000-BTU griddle. It also has a proofing oven and grill. Capital Cooking Equipment, 310.605.5000; www.capitalcooking.com.



copper mine

This farmhouse sink looks much like the real thing and is made of 1/8-inch-thick heavy-gauge copper to boot. Copper is softer than most other sink materials, so it's easier on dishes and glassware. And because it has a "living" finish, the surface will evolve with time and usage, says Paramount, Calif.-based Bates and Bates. The sink has an outside dimension of 33 by 21 inches and a 30-by-18-inch inside dimension. It's 10 inches deep with a 3 1/2-inch drain. Bates and Bates, 800.726.7680; www.batesandbates.com.

—nigel f. maynard

TRIM IT. THE ANSWER IS AZEK.



UNIFORMITY.

- ◆ Cellular PVC with the look, feel and sound of clear lumber.
- ◆ Consistent and uniform with no voids.
- ◆ Premium lengths with square edges on all sides.



DURABILITY.

- ◆ Will not rot, split, cup, warp or twist.
- ◆ Impervious to moisture and insects making it perfect for ground contact applications.
- ◆ 25 year warranty.



WORKABILITY.

- ◆ Cut, rout, mill and fasten with standard woodworking tools.
- ◆ Nail, screw, staple or glue.
- ◆ Easily bend, shape or thermoform into unique curved applications.



BEAUTY.

- ◆ Complements all housing exteriors.
- ◆ Manufactured in natural semi-matte white; can be painted for a custom color.
- ◆ Great looks that last.



For more information about AZEK Trimboards, visit us on the internet at

www.azek.com

or call toll-free

866-549-6900.

Circle no. 389

NEW!

**Introducing AZEK™
CORNERBOARDS**

**in 4" and 6"
Outside Corners!**



AZEK™
TRIMBOARDS

UNIFORMITY.

DURABILITY.

WORKABILITY.

BEAUTY.



**Bringing You
the Entire
Remodeling
Market**

THANK YOU!

On behalf of Hanley-Wood Exhibitions, NAHB, Remodelers™ Council and *Remodeling* magazine, The Remodelers' Show 2002 would like to thank the remodeling industry for making the show a success.

We appreciate your support and look forward to seeing you next year in Baltimore!

The Remodelers' Show 2003

EXHIBITS: OCTOBER 23-25, 2003 **CONFERENCE:** OCTOBER 22-25, 2003
BALTIMORE CONVENTION CENTER BALTIMORE, MARYLAND

www. Remodelers Show .com

Official Sponsors



NAHB
NATIONAL ASSOCIATION
OF HOME BUILDERS

REMODELERS
COUNCIL

Official Publication

Remc

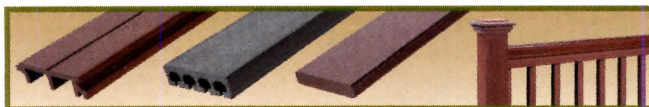
ing

Hanley-Wood
EXHIBITIONS



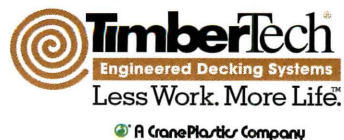
TimberTech® Decking never needs to be stained or sealed. That means your customers will have more time to enjoy the things they actually enjoy. And they'll have you to thank. TimberTech Decking outperforms wood and inferior composites because it's precision-engineered to have all the beauty of wood without the work. So install TimberTech Decking or give fair warning.

To become an Elite Contractor or for more information on TimberTech Composite Decking, visit www.timbertech.com or call 1-800-307-7780. Circle no. 230



Tongue-And-Groove 2x6 Plank 5/4 Plank Ornamental Railing System

Colors available: New TimberTech Redwood, Cedar, Grey and Natural.



TALENT POOL



We are creators of the industry's top-quality pool and spa products, setting the standards for excellence to meet your highest expectations for performance and beauty.

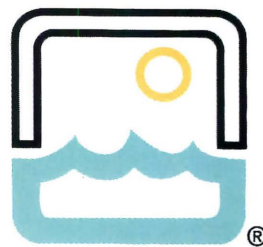
We are craftsmen, using our artistry to turn common materials into luxurious retreats designed just for your needs...and your dreams.



We are merchants who have risen to the top of the industry because of our professionalism. And, our commitment to quality and service guarantees your pool or spa will stay beautifully inviting and silently efficient. For years to come.



Together the members of the National Spa and Pool Institute offer unique designs, innovation, satisfaction and support. Make sure your communities and your home buyers get the best. Work with the best. Work with members of the National Spa and Pool Institute.



**NATIONAL
SPA & POOL
INSTITUTE**

Look for this symbol of excellence in choosing your pool or spa products and professionals!

**For Free Information
call 800-323-3996.**



About As Close As It Gets To “Family” Proof

— *The Dependable, Easy-to-Clean Acrylic Bath.*

Research shows that “ease of cleaning” ranks at the top of most moms’ lists when it comes to choosing a bathtub (for obvious reasons). While other tub materials may quickly dull and become hard to clean, acrylic is non-porous. So dirt, soap scum, and germs can’t penetrate. Acrylic is also less susceptible to mildew and algae, which means acrylic will shine for years — as will your reputation. To learn more, get your free Acrylic Consumer Guide by calling: **1-800-485-1124.**



**ARISTECH
ACRYLICS LLC**

Quality that comes to the surface.

off the shelf

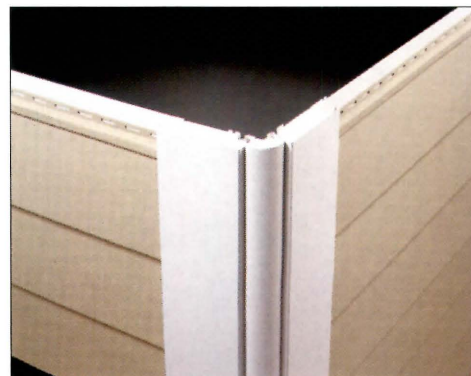
choosing sides

these stylish, sturdy siding products cover all the bases.



real deal

Cedarone siding is made from Western red cedar and comes in three grades: premium clear with its clean, free-of-knots look; performance clear with limited knots; and premium knotty for more rustic applications. Various cuts (such as beveled, finger-jointed, channel, and tongue-and-groove) increase design options and allow for faster installation. Cedarone requires no chemical treatments and accepts paints or stains. Weyerhaeuser, 866.233.2766; www.cedarone.com.



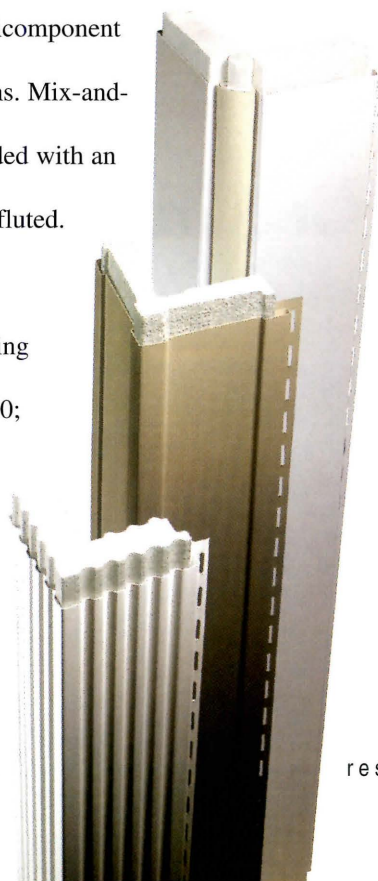
cutting edges

Wrap up siding with flair using Solid Core Architectural Essentials Accessories. This line of accent trims, moldings, and decorative corners complements CraneBoard Solid Core siding to produce a more custom appearance. Each piece carries an Energy Star seal with an R-value of 4.0 or greater and provides 300 percent more impact resistance than tradition vinyl, says the company. The Accessories collection offers 3½- and 5-inch window lineals, window starter strip, corner connector, crown molding, and finish board. Available colors are aspen white, driftwood, country beige, pearl, and clay. Crane Performance Siding, 800.366.8472; www.cranesiding.com.

corner store

SuperCorners eliminate the need for multicomponent corner systems on vinyl siding applications. Mix-and-match assorted colors in three styles: beaded with an optional contrasting insert, traditional, or fluted.

Twenty-foot lengths allow for simple and speedy installation. Solid-core foam backing adds durability. CertainTeed, 610.341.7000; www.certainteed.com/ct.



Your mother was right,
it's what's underneath that really counts.



Kick off those shoes, baby!

Unlike other floors, Marmoleum is natural from top to bottom, right down to the jute we use for the backing. On that sturdy foundation we add environmentally friendly ingredients—flax, rosins, and wood flour—to offer a floor with a strong nature through and through.

Warm to the touch, allergen-free and totally biodegradable, Marmoleum comes in **more than 100 cool colors**. Design the floor for any space—living room, bedroom, rec room, anyroom—and make it yours.

Looking for the tops in flooring? Find your local Marmoleum dealer by calling 1-866-MARMOLEUM (627-6653).

marmoleum®
seriously fun floors...naturally

Circle no. 327

www.themarmoleumstore.com



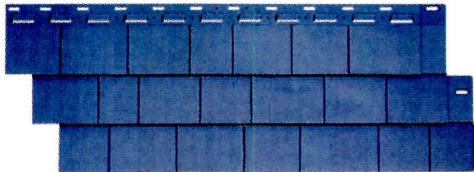
prefinish line

The ColorPlus Collection takes advantage of new fiber-cement technology to present prefinished lap siding and shingle panels. Seven paint color options carry a 15-year warranty; there's a 10-year warranty on four stain finishes. Per the company, the surface blocks efflorescence, resists fading and scratching, and won't peel or chip. In addition to siding, ColorPlus comes on trim, fascia, and soffit products with matching accessories such as caulk and touch-up paint. James Hardie, 888.JHARDIE; www.jameshardie.com.



dark victory

Sierra Premium Shake comes with machine-applied stain warranted for 12 years. Mahogany, maple, redwood, or cedar stains dry darker in Sierra's deep grooves for an authentic look. The fiber-cement shake will withstand winds exceeding 110 mph, says the company. The planks measure $\frac{1}{2}$ inch thick and 8 feet long and are factory-sealed for rot and termite resistance. Nichiha, 86.NICHIHA1; www.n-usa.com.



snapping shingles

Cape Cod Perfection panels can be snapped together easily with the company's proprietary side-interlock system. The polypropylene siding replicates cedar shingles with a three-tiered panel measuring $43\frac{5}{8}$ by $15\frac{1}{2}$ inches and featuring a $4\frac{1}{2}$ -inch exposure. Eight color choices include desert clay, denim blue, slate gray, and barn red. Nailite, 888.300.0070; www.nailite.com.

—shelley d. hutchins

{ "There's a beautiful home
mansions of bliss for you and



far over the sea. There are
for me." – "A Beautiful Home" }

HIS MUSIC IS ETERNAL. HIS PORCH IS DERN NEAR IT.

Hank Williams discovered love, heartache, and the simple, healing beauty of music on the porch of this modest house in Georgiana, Alabama. His music will endure



in our hearts forever. But, until recently, it looked like his

porch was going to pass on. So, when the restorers of Hank's house decided to rebuild his front porch, they chose a material that would last as long as his music. They turned to Tendura®.

In the name of durability, many architects have foregone the romantic authenticity of traditional wood, compromising with cold alternatives. Stone. Brick pavers. Tile. Now, with Tendura, there's a durable alternative so like the original wood it's being used in restorations throughout the country. TenduraPlank® is a composite lumber that combines the warmth of wood with the durability of plastic. It comes with a factory-applied primer and can be installed using



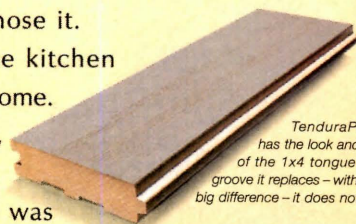
{Hank Williams' boyhood home ~ Georgiana, Alabama}

heartache. And, that's exactly why the restorers of Hank's home chose it.

People say the kitchen is the heart of the home.

Once upon a time, the tongue-and-groove front porch was

its soul. It was where dreams were made, songs were sung, and memories were composed. With TenduraPlank, the traditional wood front porch is back. With the soul and tradition of simpler days, but the timelessness of a well-made song.



TenduraPlank has the look and feel of the 1x4 tongue and groove it replaces – with one big difference – it does not rot.



Because it is made from by-product sawdust, no trees are timbered just to make TenduraPlank.

TENDURA

QUALITY THAT ENDURES

tendura.com 1-800-TENDURA

Circle no. 229

art REPRINTS

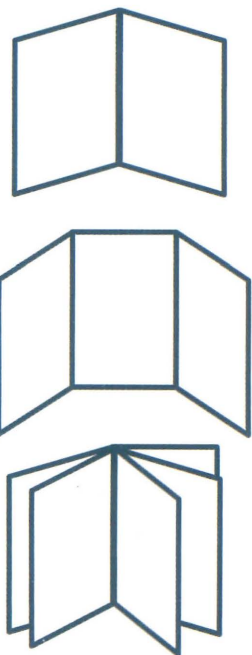
Spread the good words

Reprints make great endorsements that are attractive, while adding credibility to your product, company or service. They show your clients, partners and employees that you have been recognized in a well-respected magazine. Our reprints are high quality marketing pieces that are printed on glossy stock.

Simply include your company logo and business information for a customized reprint.

Great for:

- Trade Shows
- Sales Aids
- Media Kits
- Employee Training
- Sales Presentations
- Conference Material
- Educational Programs



FosteReprints



Otherwise it's just a chimney.

Clay chimney tops provide an elegant, finished look to any upscale home. Whether you choose one with intricate detail, or one with classic, stately lines, a clay chimney top helps a home stand out above the rest. To find out more about our full line of chimney tops, check us out on the web, or call us at 800-848-6166. Your house will thank you.

SUPERIOR CLAY CORPORATION
Superior Clay Products Are Built To Last

www.superiorclay.com

P.O. BOX 352 Uhrichsville, Ohio 44683 • 740.922.4122 • 800.848.6166

Circle no. 383

520.574.7374 **SOUTHWEST DOOR CO.™** www.southwestdoor.com
DOORS-WINDOWS-HARDWARE-CABINETS-FLOORING

Handcrafted Design Solutions

Southwest Door Co.'s windows and doors proudly featured in the Golden Nugget Home of the Year!

Circle no. 284

THE HOUSE THAT JACK BUILT

This is the house
that Jack built.

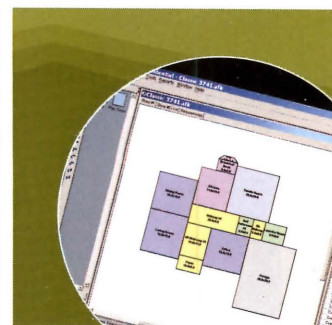


This is the client
that had the dream
that led to the house
that Jack built.



This is **Trelligence Affinity for Residential** that captured the specs that accelerated the design that made the client's dream real that led to the house that Jack built.

Trelligence Affinity



Now Architects, Designers, and Builders have a powerful new tool that effectively manages and captures the countless details of residential home design. Cut the time it takes to turn your client's dream into a reality with **Trelligence Affinity for Residential**. Use the efficient space planning tools and you will streamline the process of going from requirements to conceptual design to your drafting software. See for yourself how much more efficient your next project can be—for you and your client.

DOWNLOAD A FREE Trial Copy Now
at www.trelligence.com/trialrsa



Trelligence™
Solutions to Build On™

877.564.2564 Toll-free
Circle no. 373

REQUIREMENTS TRACKING • SPACE PLANNING

Copyright © 2003 Trelligence, Inc. The Trelligence logo design, Affinity logo design, Trelligence, Affinity, and Solutions to Build On are trademarks of Trelligence, Inc.

FAST PROFESSIONAL & EASY TO USE ARCHITECTURAL DESIGN SOFTWARE

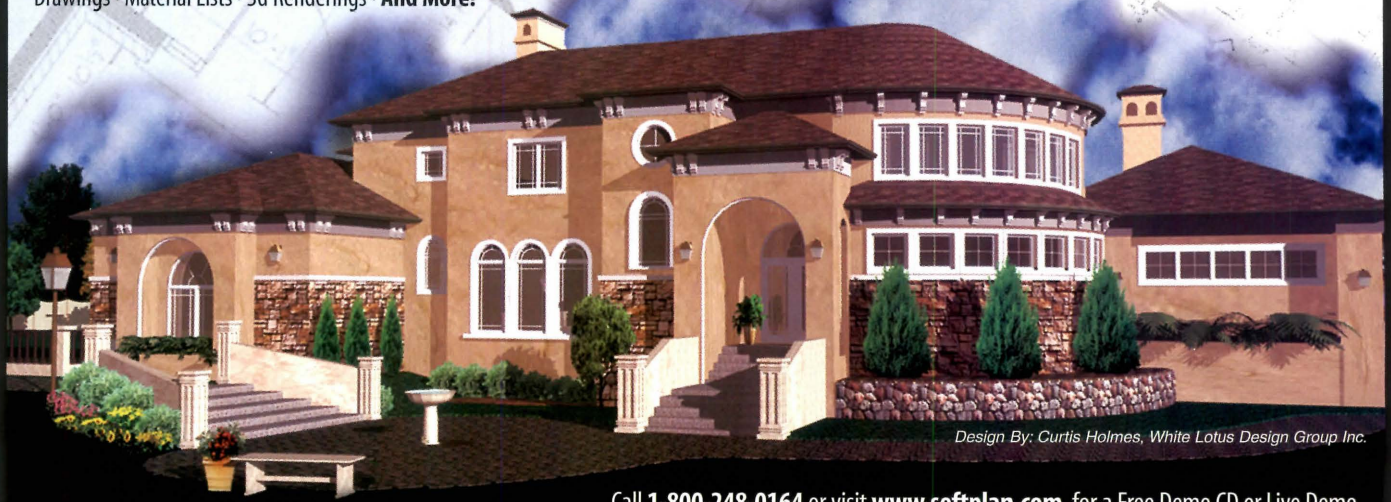
SoftPlan Architectural Design Software is the building industry's leading residential CAD software package. Utilizing SoftPlan as your design tool will give you the flexibility to create complex, custom drawings with speed, accuracy, and ease.

Get your **FREE** demo today & learn about the one tool that will improve the way you build tomorrow!

Quickly & Easily Create:

Floor Plans • Elevations • Cross Sections • Framing Plans • Detail Drawings • Material Lists • 3d Renderings • **And More!**

SOFTPLAN
ARCHITECTURAL DESIGN SOFTWARE



Design By: Curtis Holmes, White Lotus Design Group Inc.

Call **1-800-248-0164** or visit **www.softplan.com** for a Free Demo CD or Live Demo
Visit Booth **N2511** at the International Builders Show!

Circle no. 79



**Legally, you cannot accept
a first-born child.**

**BROCK
DECK
SYSTEMS**
A quality Royal Crown Limited product.

Your customers might do some crazy things after you have installed their new, maintenance-free, vinyl Brock Deck and Railing System. After all, they are getting the highest-quality vinyl deck and railing system available, from the industry leader.

But, however your happy customers might respond, please tell them that referring a friend is much more appropriate.



Royal Treatment DEALER SUPPORT

As an Authorized Brock Deck and Railing Systems Dealer, you'll receive all the support you need to grow your profitable business.

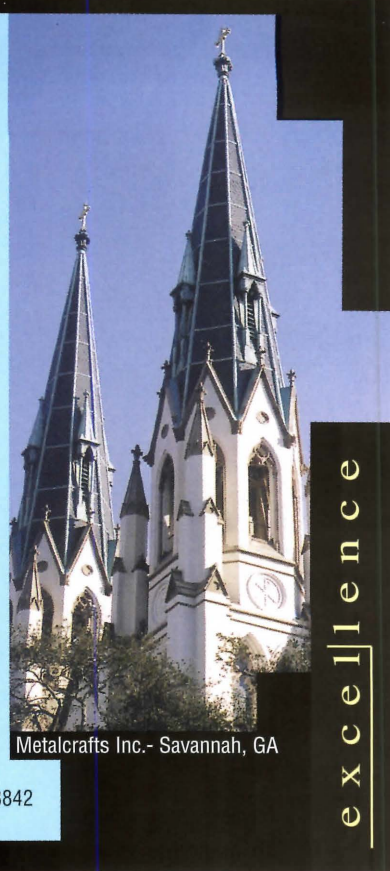
For more information, or to become an Authorized Dealer:

(800)488-5245
www.royalcrownltd.com

Circle no. 316

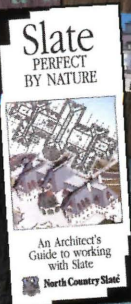
BLACK BEAUTY

Nothing surpasses the classic beauty of a natural black slate roof as the crowning glory to a fine building. And nobody has a better reputation for providing the highest quality unfading black slate, than North Country Slate. Drawn from a single quarry exclusive to North Country, this smooth, rich material exhibits a slight luster prized by architects and building owners around the world. For the highest quality - and sheer good looks - make sure you specify your black slate as North Country Unfading Black. It's just one of the broad range of colors we offer, with the textures and sizes that promise the perfect finish to your project. For more information, contact us today. And go with North America's best.



Metalcrafts Inc. - Savannah, GA

excellence



North Country Slate®

Tel: (416) 724-4666; Toll-Free: 1-800-975-2835; Fax: (416) 281-8842
Email: info@ncslate.com; www.northcountryslate.com

Circle no. 295

residentialarchitect.com

THE **#1** SOURCE FOR
ARCHITECTS & DESIGNERS

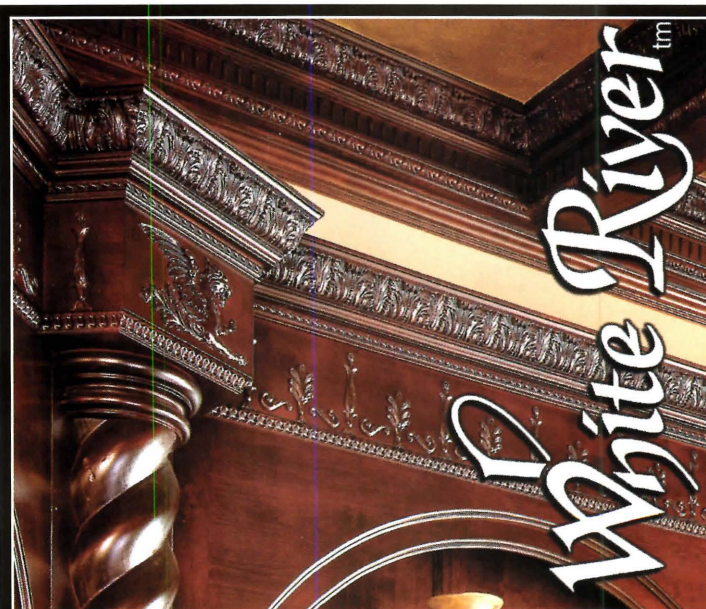
**ebuild's BUILDING
PRODUCTS CATALOG**

PROFILES & PROJECTS

DESIGN AWARDS

ARCHITECTS' RESOURCES

BOOKSTORE



White River™

THE *New* AMERICAN STYLE

The Innovators, Educators, and Industry Leaders
in Embellished Hardwood Mouldings & Woodcarvings

450 Mouldings & Woodcarvings • Embellished • Embossed
Traditional • Prompt Shipping • Curve Work Our Specialty

MARBLEWOOD™

800.558.0119

www.mouldings.com

METALWOOD™

Circle no. 264

Site Sponsors:



AQUA GLASS



COLLETT STONE



"This is my insulation."



MonierLifetile
Changing the way people think about roofs.



SCHLAGE



TENDURA



Here's why building pros use ebuild to research and specify building products:

"All information is in one place instead of searching hundreds of other web sites"

"ACCESS TO PRODUCT INSTALLATION INSTRUCTIONS"

"Makes product searching and sourcing easy"

"THE ORGANIZATION OF APPLICABLE INFORMATION AND LINKS"

"Quickly zeroes in on search items"

"Useful, up-to-date information"

"Products are broken down into logical categories"

"LOTS OF VALUABLE INFORMATION"

source: ebuild user survey, February/March 2002



- > More than 100,000 product listings
- > Includes detailed product descriptions, diagrams, dimensions, installation instructions, and supplier locators
- > Best of all, it's FREE!

ebuild
THE PROFESSIONAL'S GUIDE
TO BUILDING PRODUCTS™

www.ebuild.com



The best place
to find
pools and spas
online

www.ebuild.com

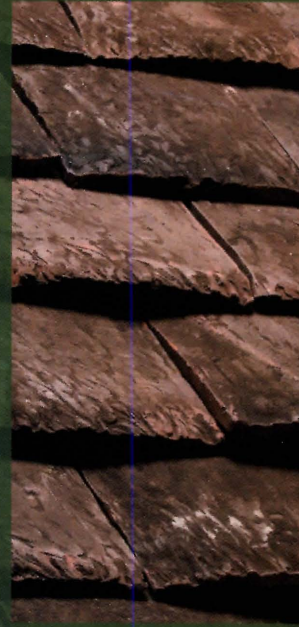
You'll find everything from
product descriptions, diagrams,
and dimensions
to installation instructions,
reviews, and
supplier locations.

Best of all, it's FREE.

ebuild
THE PROFESSIONAL'S GUIDE
TO BUILDING PRODUCTS™

NORTHERN ROOF TILES

HANDCRAFTED EUROPEAN ELEGANCE



To view our entire range of clay roof tiles please visit
www.northernrooftiles.com
or call us at 888-678-6866

Circle no. 310

Get Concrete Answers for Residential Construction

*Whether online
or by helpline,
Portland
Cement
Association is
your source
for the latest
information
on concrete
homebuilding
systems.*

Residential Construction Solutions

- Online resource for news, events, industry links, and top selling concrete home designs
- Quick and convenient purchasing of state-of-the-art literature

Expert Technical Information

- Construction and design manuals covering ICF essentials
- Easy to read Tech Briefs summarizing current research findings

Marketing Support

- Media relations kit with ideas and templates for concrete home ad campaigns
- Graphics and brochures for effective presentations and promotion



www.concretehomes.com

1.888.333.4840

PCA PORTLAND CEMENT ASSOCIATION

Circle no. 39

fireplaces

RAIS[®]
ART  OF FIRE

FOR INFORMATION:

RAIS & WITTUS INC.
23 HACK GREEN ROAD
POUND RIDGE, NY 10576


PHONE: 914-764-5679
FAX: 914-764-0029
www.raiswittus.com

Circle no. 401



American Cast Limestone
Houston, Texas

Mantels, Hearths, Surrounds



*Experience the warmth and beauty
of Texas Limestone*

Architect/Builder
Discounts

Call Toll Free
888/593-0888
www.americancast.com

Circle no. 402

**Better
than
Nature**

*The
Beauty
Endures*

MILESTONE

www.milestoneltd.com



Circle no. 403



For over 75 years, **Heatilator** has brought the warmth home with its dramatic, award-winning gas and woodburning fireplaces.

Cutting-edge technology in products such as the Icon 100, the industry's largest woodburning fireplace, Caliber nXt's new Extreme technology, and the kiva style of the Aztec has recently earned Heatilator recognition for their innovation.

With its legion of satisfied customers, built on an outstanding reputation for quality, innovation and service, Heatilator remains the fireplace of choice for custom builders.

For more information call **1-800-927-6841** or website: www.heatilator.com

Circle no. 404

fireplaces/architect's choice



The GEM, with its Firebrick™ construction, is the only fireplace that can truly offer an unobstructed view of a traditional arched fireplace. Its stylish herringbone refractory also enhances the GEM's authentic look. **The GEM** provides exceptional heat when needed and options to divert the heat when the beauty of the fireplace is all that's desired.

Heat-N-Glo
1-888-427-3973

Circle no. 405



WALNUT, CHERRY, MAHOGANY, OAK, ETC.
MANTELS, MOLDINGS & CARVINGS

We specialize in custom sizes

Browse our **FULL CATALOG** on the web
www.apaneling.com

ARCHITECTURAL PANELING, INC. 979 Third Avenue,
New York, NY 1002 (212) 371-9632

Fax: (212) 759-0276

60 page print catalog available \$10.00



Circle no 406

FLOODSAVER

Finally,
low-cost
protection against
washing machine
leaks and floods!

Designer inspired

- new construction
- older homes
- apartments
- condominiums

AMI, inc.
P.O. Box 1782
Stanwood, WA 98292

PHONE
(360) 629-9269

FAX
(360) 629-2838

ORDER
1-800-929-9269

WEB
www.floodsaver.com

Circle no. 407

Circle no. 408

Warming American Homes

Real-Fyre Gas Log Sets offer the natural beauty and comfort of a wood fire with the convenience, economy and cleanliness of natural or propane gas.

Presenting a beautiful fire with full flames and glowing embers, these sets come in a variety of sizes and styles to suit any fireplace decor. A full line of vent-free gas log sets are also available.

Real-Fyre Gas Logs

ROBERT H. PETERSON CO.
(800) 332-0240 • www.rhpeterson.com

architect's choice

Don't Flitch Around! Get it All Together with...

BETTER HEADER™

SANDWICH PLATE SYSTEM

**Take the Hassle Out of Building it Yourself
Eliminate Hours & Hours of Unnecessary Labor**

Take Advantage of the Features of Better Header®

Stronger Flitch Plate Headers (the original engineered lumber) • Pre-fabbed Sandwich Plate System Requires No Assembly • Quick and Easy with No Furring • Ready to Veneer • Simple to Cut with Metal Saw Blade • Less Expensive than Building it Yourself • Most Beams Shipped in 72 Hours



KILN DRIED DOUG FIR
w/A-36 Steel



OUTDOOR CCA
w/Rust Proof Steel



MICRO LAM LVL
w/A-36 STEEL



W SHAPE I-BEAM
w/Packed Web



**Only Better Header® Offers You the Patented
PFS FASTENING SYSTEM**

Designed by engineers and manufactured in-house at our state-of-the-art facility. This multi-angle, pre-fitted steel nut allows for maximum compression without compromising the structural integrity of the lumber. The PFS system, combined with Grade 5 bolts, provides the ultimate strength and eliminates the need for furring...making every project a success.

PROUDLY MADE IN THE USA

Better Header®

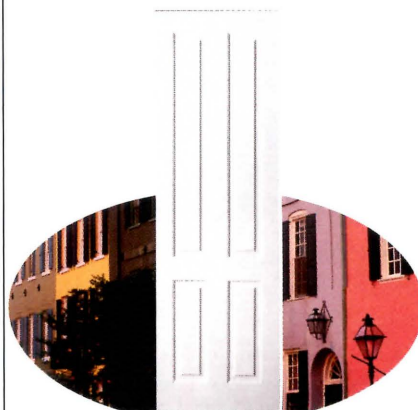
Sandwich Plate System • 1.877.243-2337

• www.betterheader.com •

Circle no. 409

discover >

BOLECTION™ DOOR



the early american

OPEN TO THE POSSIBILITIES

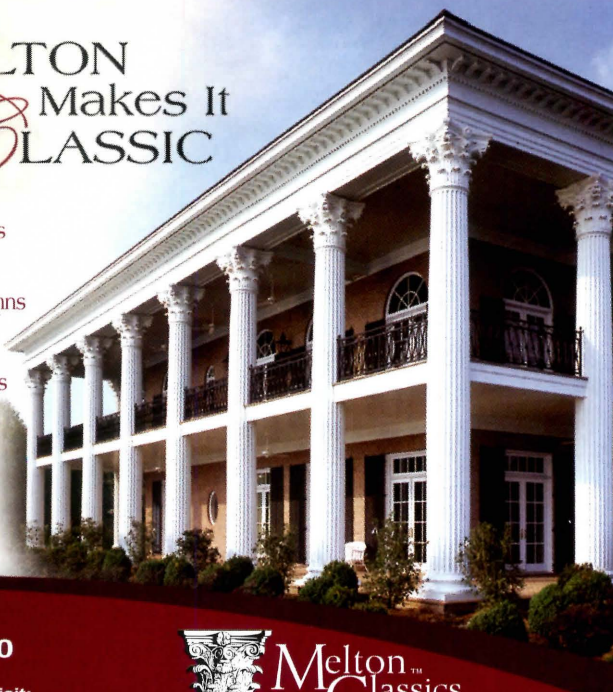
P.O. Box 21786 Greensboro, NC 27420
336/851-5208 Fax 336/851-5209 or 888/511-5209

www.bolectiondoor.com
Circle no. 410

COLUMNS, BALUSTRADES & MOULDINGS

**MELTON
Makes It
CLASSIC**

- Fiberglass Columns
- Poly/Marble Columns & Balustrades
- Synthetic Stone Balustrades & Columns
- Wood Columns
- Cast Stone Balustrades & Details
- Polyurethane Balustrades, Mouldings & Details
- GFRC Columns & Cornices
- GRG Columns & Details



Circle no. 411

**Call Now For Your
Custom Quotation
800-963-3060**

For comprehensive
product information visit:
www.MeltonClassics.com



**Melton™
Classics**
Incorporated

ENHANCE YOUR HOME...

**Custom
RAIL**
by CDM



ENGINEERED TO BE THE
MOST ADVANCED,
MAINTENANCE-FREE
PVC PORCH RAIL SYSTEM
AVAILABLE TODAY

**CUSTOM RAIL Features
Add Beauty and Value to
Every Home They Touch!**

- Impervious to Insects.
- Working with Custom Rail is Easy!
No Special Tools for Assembly.
- Superior Weatherability. Unaffected by Extreme Temperatures.
- Traditional Styling without the Problems of Wood.
- Designed to Excel.
- The Highest Quality.
- 10 Year Limited Warranty.
- Exceed Boca UBC & SBC requirements

CUSTOM DECORATIVE MOULDINGS
P.O. Box F • Greenwood, DE 19950

TOLL FREE: 1-800-543-0553 • PHONE: 1-302-349-4937

FAX: 1-302-349-4816 • www.cdm.nanticoke.com/

Circle no. 412

architect's choice



A Home Made Better

"Your pride of workmanship added to our enjoyment of the whole process.

We treasure our timber frame. Thank you all for making the experience as well as our home so wonderful."

Robert Brooks,
Shaftsbury, VT

Vermont Timber Frames
7 Pearl Street, Cambridge, NY 12816
PH: 518-677-8860
Website: www.vtf.com

Circle no. 413



CHADSWORTH'S 1.800.COLUMNS®
www.columns.com

IDEA BOOK \$20.
Includes Columns Product Portfolio.
Columns Product Portfolio \$5. Free brochure.

800.486.2118
277 North Front Street
Historic Wilmington, North Carolina 28401
Atlanta • London
Circle no. 414

Baths From The Past
CREATIVE CUSTOM DESIGN SOLUTIONS
EVERYTHING
FOR THE TRADITIONAL BATH AND KITCHEN
TUBS-SINKS-FAUCETS-SHOWERS-HIGH TANK TOILETS
FACTORY DIRECT PRICES!

AND MUCH MORE!
VISIT our web site
www.bathsfromthepast.com

CALL OR WRITE TO ORDER OUR
FREE 64 PAGE CATALOG
(800) 697-3871 • (617) 871-8530
83 E. Water Street, Rockland MA 02370

Circle no 415

LOCK DRY® Aluminum Decking
The One Step Roof Deck System

Circle no. 416

**Maintenance Free • Absolutely Water Tight
Versatile • Easy Installation • Non-Skid Surface**

FSI Lifetime Warranty!
1-800-711-1785 • Fax (256) 287-0417
Email: info@lockdry.com • www.lockdry.com
U.S. Pat. #5,816,010 • Meets or Exceeds SBCCI Building Code

architect's choice

BREAKTHROUGH!

350 BULL

WORLD'S STRONGEST BEAD!

| | | | | |
|--|---|---|--|--|
| 350 BULL CORNER BEAD World's strongest bead. 350 radius provides elegant new look. | 350 COBRA BULL Fear no curve from 15" inside or 24" outside. Patented notchless design. | 350 BULL SPLAYED CORNER Perfect for off-angle walls and sculptured details. | 350 BULL L BEAD Finish windows, doors & decorative layers. No wrapping behind drywall. | 350 COBRA BULL L BEAD Finish arched doors and windows with hassle free notchless installation. |
|--|---|---|--|--|

Don't overlook the aesthetic beauty of drywall... It enhances 80% of a building's interior!

847 Spray Adhesive

350 Bull™ 3 Way

350 Bull™ 2-Way

350 Bull™ Off Angle 3 Way Outside

www.trim-tex.com
1-800-874-2333

TRIM-TEX
DRYWALL PRODUCTS

Circle no. 417



There's money in your customer's closet.

Closets are easy to design, simple to install, and extremely profitable.

Order direct by the job...
 Orders ship in 24hrs and arrive custom cut...
 Outstanding Professional Support...

Put a closet like this one into your next job and make some real money in closets...

ProClosets
 The Professional's Choice for Closets

For More Information visit us at www.proclosets.com or call 1-877-BUY-A-PRO

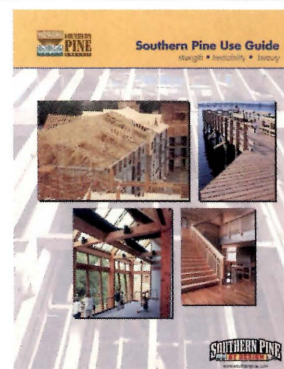
Circle no. 418

ARCWAYS
 AWI AMERICA'S MASTERCRAFTSMEN

Only one company builds extraordinarily beautiful stairways that meet and exceed AWI standards. The possibilities are endless. Phone us at (800) 558-5096 or visit our Web site for inspiration and information. www.arcways.com

Circle no. 419

A World of Endless Possibilities



Southern Pine Use Guide —
 This newly revised 24-page booklet includes complete grade descriptions, design values, and sample specifications for a wide range of uses. It also provides information about pressure-treated Southern Pine, plus storage, fire and sound transmission data. A definitive Southern Pine lumber reference for architects, engineers, and other specifiers. More details at: www.southernpine.com

Circle no. 420

Visit us in Booth #7514 at the IBS Show in Las Vegas.

architect's choice



Waupaca Elevator Company, Inc.

Specializes in the manufacture of customized winding drum and hydraulic elevators exclusively for residential use as well as in the manufacture of residential and light-duty commercial dumbwaiters. Waupaca Elevator prides itself on its craftsmanship and variety of options available to the homeowner. Whether building new or remodeling **"Specify the Specialists"**.

Waupaca Elevators



**WAUPACA
ELEVATOR** COMPANY, INC.
Specify the Specialists™

Waupaca Elevator Co.
1726 North Ballard Road
Appleton, Wisconsin 54911

Tel: 1-800-238-8739 • Fax: 1-920-991-9087 • Circle no. 421

300 FIREPLACE MANTELS



700 DOOR DESIGNS



INNUMERABLE SHUTTERS



Finely crafted doors in hardwoods, iron, beveled and stained glass. Hand carved fireplace mantels. Interior and exterior hardwood shutters in many exclusive designs.

REQUEST CATALOG SET:
600 plus full color pages
See us at the NAHB Show

▲ PINECREST
2118 BLAISDELL AVENUE
MINNEAPOLIS, MINNESOTA 55404-2490
TELEPHONE (612) 871-7071
Internet: www.pinecrestinc.com
Email: info@pinecrestinc.com
Circle no. 423



Polymer Stone

Columns & Balustrades Systems

- Jobsite delivery
- Durable and long-lasting
- For use in both interior and exterior applications
- Wide variety of sizes, styles, and finishes
- Custom orders
- Engineered and patented balustrades system is easy to install

Call


888.265.8661

Fax: 630.876.3098
Circle no. 422

www.royalcorinthian.com
royalcorinthian@aol.com



architect's choice



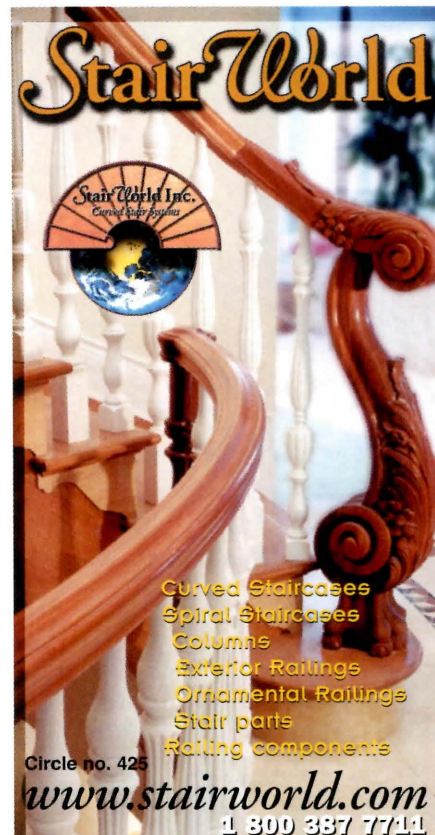
Flexible Header

Flex-Ability Concepts has now applied the technology of the Flex-C Trac system to radius headers. The new flexible radius header can be shaped by hand to form a curve or S-shape. Once the header is in the desired curvature, it is locked into place by screws and ready for installation.

patent pending

Call us at **405.715.1799** or visit us at **www.flexc.com**

Circle no. 424



Stair World

Curved Staircases
Spiral Staircases
Columns
Exterior Railings
Ornamental Railings
Stair parts
Railing components

Circle no. 425

www.stairworld.com
1 800 387 7744

Elegant Residential Elevators



Call Our Architectural Line
1-800-968-5438

- Easy and quiet operation
- Smooth ride
- Custom sizes
- Designed to enhance any decor
- Handcrafted wood interior walls
- Winding drum or roped hydraulic drive

National Wheel-O-Vator

Web Site: www.wheelovator.com
Email: resarch@wheelovator.com 509 W. Front St. Roanoke, IL 61561-0348

Circle no. 426



Finlandia Saunas are a cut above the rest with highest quality materials and old country craftsmanship. In fact, we still use 1"x4" wall and ceiling boards, while our competitors use only 1/2"x4". That's why more architects and builders come back to Finlandia again...and again...for easy and trouble free installation of any standard or custom size, as well as best finished product.

Finlandia Sauna Products, Inc.
14010-B SW 72nd Ave.
Portland, OR 97224
800-354-3342 or Fax 503-684-1120
www.finlandiasauna.com

finlandiasauna@worldnet.att.net

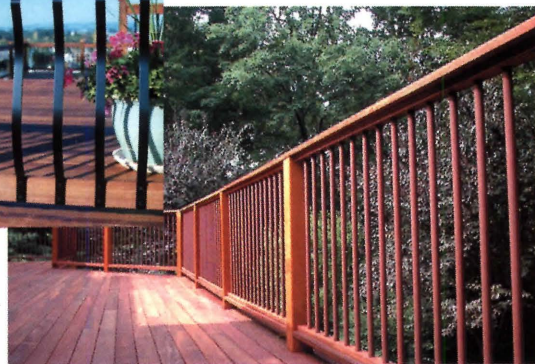
Circle no. 427

architect's choice/computer shop



The Original

New! attaches / like 2x2's



DecKorators™
RAILING COMPONENTS

800.332.5724
deckorators.com

Balusters Centerpieces Finials PipeRails Pre-drilled PostCaps



Circle no. 428

**3D POWER. 2D PRECISION.
ONE CAD PROGRAM.**



- ▶ EASY TO LEARN, EASY TO USE
- ▶ TOTAL INTEGRATION OF 2D AND 3D
- ▶ AUTOMATIC TRACKING OF COSTS AND MATERIALS

For more information on what VectorWorks can do for you, call us at 888-646-4223 or visit us on the web at www.VectorWorks.net/CustomHome

Vectorworks 9
ARCHITECT

Circle no. 429

**Authentic 18th CENTURY
WOODEN BLINDS**

**New England Raised
Panel Shutters**

Operable Louver Shutters

FREE BROCHURE CUSTOM MANUFACTURE



AMERICANA

2688 E. Ponce De Leon Ave
Decatur, Georgia 30030

www.shutterblinds.com

1-800-269-5697



Circle no. 430

EMPLOYMENT OPPORTUNITY

DESIGNER

**Offices in
Chicago & Milwaukee**

Highly regarded architectural firm that focuses on single family residences at \$300/sf to \$1000/sf. Projects in Midwest, Aspen, Palm Beach, Carmel.

Looking for a designer with vision and experience in traditional/historic forms to work through the design development stage and to interface with talented project architects and staff.

Masters in Architecture desired. Beginning salary within \$75k - \$150k plus benefits and opportunity for advancement. Fax Resume to 414-352-4134.

Circle no. 431

For information on advertising in

residential

architect

architect's showcase,

please call Sean Aalai at 202-736-3357



Beauty, Brains and an A.F.U.E. Furnace Rating?

That's so sexy.

Introduce your customers to a hot new flame this season—Intensity™ from Heat-N-Glo, the most realistic gas fireplace available. When it comes to arousing the senses, Intensity will take your customers to a whole new level. It not only warms a room—it ignites the soul. But this pretty face has a practical side, too. With the distinction of its A.F.U.E. rating, Intensity can be controlled by a thermostat and even channeled to heat other rooms. Although, considering its drop-dead gorgeous looks, this is one furnace you won't want to hide. So if you're looking for a new way to turn on customers, turn them on to Intensity.

1-888-427-3973 (www.heatnglo.com or www.fireplaces.com)

INTENSITY™

REAL MASONRY
BRICK APPEARANCE

FLAME-OUT-OF-LOG
TECHNOLOGY

CONCEALED
MYSTIFIRE BURNER



Voted best gas fireplace
by the Hearth Industry

Circle no. 261

HEAT-N-GLO®

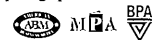
No one builds a better fire

ad index

| advertiser | page | circle | phone no. | web site/e-mail |
|--|------------|------------------|------------------------------|---|
| Alumax | 43 | 256 | 870-234-4260 | www.alumaxbath.com |
| Andersen Windows | 38 | 6 | 800-426-4261 ref. # 4632 | www.andersenwindows.com |
| Andersen Windows | 40 | 397 | 800-426-4261 ref. # 4633 | www.andersenwindows.com |
| Andersen Windows | 42 | 304 | 800-426-4261 ref. # 4634 | www.andersenwindows.com |
| Aristech Acrylics | 91 | 69 | 800-485-1124 | www.AristechAcrylics.com |
| Armstrong World Industries | 83 | 50 | 800-233-3823 | www.armstrong.com |
| Asphalt Roofing Manufacturers Association (ARMA) | 39 | 270 | — | www.asphaltroofing.org |
| Azek | 87 | 389 | 866-549-6900 | www.azek.com |
| Bilco | 16 | 206 | 800-854-9724 | www.bilco.com |
| Boen Hardwood | 34 | 59 | — | www.boen.com |
| Boral Brick | 81 | 224 | 800-5-BORAL-5 | www.boralbricks.com |
| Cabot | 14 | 225 | 800-US-STAIN x347 | www.cabotarchitect.com |
| CertainTeed Boardwalk | C3 | 323 | 800-233-8990 x106 | www.certianteed.com/bw106 |
| CertainTeed Roofing -Siding | 52-53 | 313 | 800-233-8990 ext. sc106 | www.certainteed.com/sc106 |
| Cultured Stone | 41 | 21 | 800-644-4487 | www.culturedstone.com |
| Crossville Ceramics | 79 | 38 | — | — |
| Eagle Window & Door | 50-51 | 71 | 800-453-3633 | www.eaglewindow.com |
| ebuild Hammer | 49 | — | — | www.ebuild.com |
| ebuild Sponsor List | 100 | — | — | www.ebuild.com |
| Eldorado Stone | 35 | 32 | 800-925-1491 | www.eldoradostone.com |
| Elk Corporation | 47 | 294 | 800-354-7732 | www.elkcorp.com |
| Fisher & Paykel | 31 | 333 | 800-863-5394 | www.fisherpaykel.com |
| HW Exhibitions | 88 | 9 | — | — |
| Heat-N-Glo | 110 | 261 | 888-427-3973 | www.heatnglo.com or www.fireplaces.com |
| Heatilator | 37 | 297 | 800-927-6841 | www.heatilator.com or www.fireplaces.com |
| Henderson, Black & Green | 26-27 | 231 | 800-264-4HGB | www.hgbcolumns.com |
| Kadant Composites | 46 | 392 | 877-804-0137 | www.geodeck.com |
| Knauf Fiberglass | 9 | 82 | 800-825-4434 x8212 | www.knauffiberglass.com |
| Koch Waterproofing Solutions, Inc | 12 | 201 | 800-DRY-BSMT | www.TUFF-N-DRI |
| Kohler Company | 32a-b | — | 800-4-KOHLER | www.KOHLER.com/inspireinfo |
| Kolbe & Kolbe Millwork Co. | 23 | 277 | 800-955-8177 | www.kolbe-kolbe.com |
| Lee Lumber* | 48a-b | — | — | — |
| Loewen Windows | 28-29 | 394 | — | www.loewen.com |
| Louisiana Pacific/ TechShield | 4 | 351 | — | www.techshield.lpcorp.com |
| Lutron Electronics | 25 | 60 | 877-2LUTRON x503 | www.lutron.com/ral |
| Marmoleum | 93 | 327 | 866-627-6653 | www.themarmoleumstore.com |
| Marvin Windows and Doors | 60-61 | 99 | 800-236-9690 | www.marvin.com |
| Marvin Windows and Doors Integrity | 62-63 | 272 | 800-237-6941 | www.integritywindows.com |
| Masonite International | 18-19 | 64 | — | www.masonite.com |
| Modern Fan Co. | 8 | 337 | 888-588-3267 | www.modernfan.com |
| National Pool and Spa Institute | 90 | — | 800-323-3996 | www.nspi.org |
| North Country Slate | 99 | 295 | 800-975-2835 or 416-724-4666 | www.northcountryrslate.com |
| Northern Roof Tiles | 101 | 310 | 888-678-6866 | www.northernrooftiles.com |
| Pella Corporation | C2-1 | 19 | 866-829-9051 | www.pella.com |
| Portland Cement Association | 101 | 39 | 888-333-4840 | www.concretehomes.com |
| residential architect Reprints | 95 | — | 866-879-9144 | www.fostereprints.com |
| Reward Wall Systems | 48 | 341 | 800-468-6344 x1706 | www.rewardwalls.com |
| Royal Crown | 76,98 | 316, 382 | 800-488-5245 | www.royalcrownltd.com |
| Samsung Staron | 6-7 | 262 | 800-795-7177 x380 | www.getstaron.com/design6 |
| Simpson Strong-Tie Company, Inc. | 33 | 26 | 800-999-5099 | www.strongtie.com |
| SoftPlan Systems | 98 | 79 | 800-248-0164 | www.softplan.com |
| Southwest Door | 97 | 284 | 520-574-7374 | www.southwestdoor.com |
| Superior Clay Corporation | 97 | 383 | 800-848-6166 | www.superiorclay.com |
| Superseal | 85 | 204 | 888-NEW-VINYL | www.supersealwindows.com |
| Tendura | 95 | 229 | 800-TENDURA | www.tendura.com |
| TimberTech Limited | 89 | 230 | 800-307-7780 | www.timbertech.com |
| Trelligence, Inc. | 97 | 373 | 877-564-2564 | www.trelligence.com |
| Typar House Wrap | 82 | 388 | 800-248-2780 | www.typarhousewrap.cpm |
| Wasco Products | 44 | 359 | 800-388-0293 | www.wascooskywindows.com |
| Weather Shield Manufacturing, Inc.* | 10-11 | 25,49 | 800-477-6808, x2740, x1398 | www.weathershield.com |
| Whirlpool Corporation | 2-3,77, C4 | 348,361,360, 342 | 800-253-1301 or 800-253-3977 | www.insideadvantage.com or www.KitchenAid.com |
| White River Hardwoods | 99 | 264 | 800-558-0119 | www.mouldings.com |
| Wolverine (a divison of CertainTeed Corp.) | 45 | 320 | 888-838-8100 | www.siding.com/1062 |

* Issue mailed in regional editions.

Volume 7, number 1. *residential architect* (ISSN 1093-359X) is published nine times a year in 2003 by Hanley-Wood, LLC, One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 2003 by Hanley-Wood, LLC. Opinions expressed are those of the authors or persons quoted and not necessarily those of Hanley-Wood, LLC. Reproductions in whole or in part prohibited without prior written authorization. *residential architect* is sent free of charge to qualified readers involved in the residential home design market. The publisher reserves the right to determine qualification criteria. Out-of-field subscription rates are: U.S., \$39.95; U.S. students, \$19.99; Canada and all other countries, US\$49.95; airmail is additional. Single copy price is \$10.00. For subscription information write to: *residential architect*, P.O. Box 3241, Northbrook, IL 60065-3241. Subscriber customer service: 888.269.8410 / Fax: 847.291.4816. Periodicals postage paid at Washington, DC, and at additional mailing offices. Postmaster: Send address changes to: *residential architect*, P.O. Box 3241, Northbrook, IL 60065-3241. This issue mailed in regional editions.



end quote

dress whites

douglas house, harbor springs, mich., 1971–1973

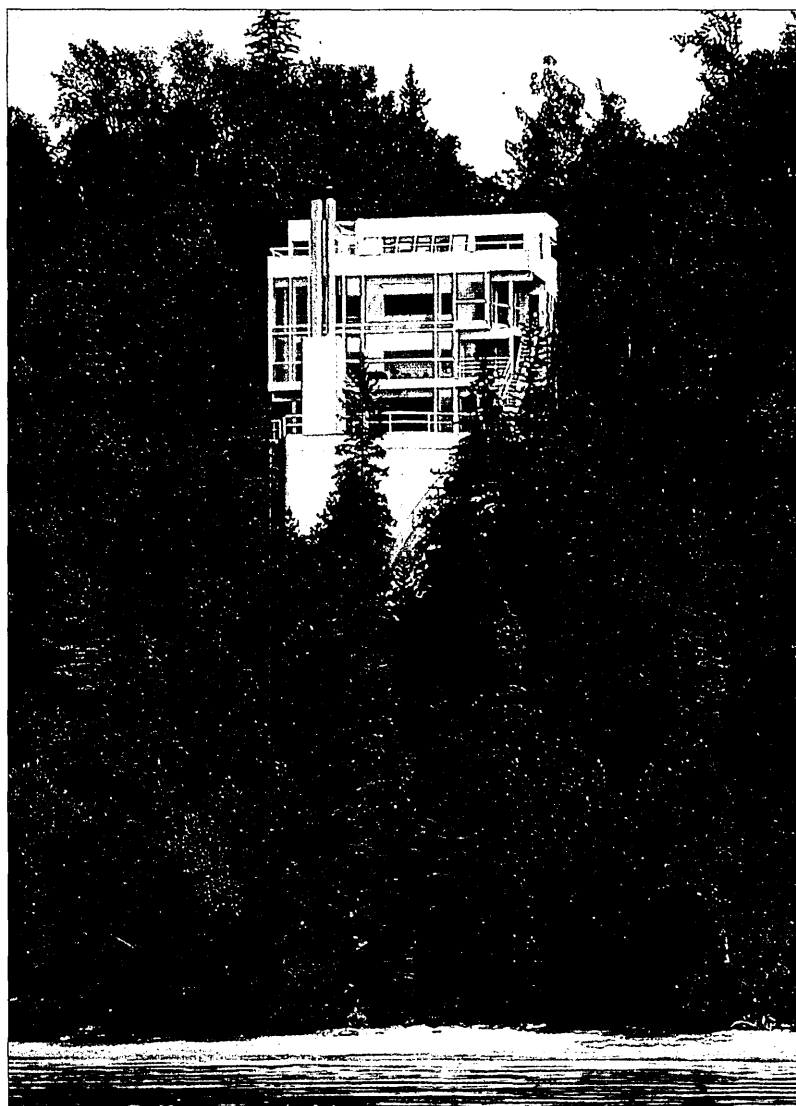
richard meier, faia

*“the whiteness of white is never just white;
it is almost always transformed by light and that which is
changing: the sky, the clouds, the sun, and the moon.”*

—richard meier

Richard Meier's design for a house on Lake Michigan in the early 1970s helped bolster his growing reputation as a sculptor of refined, Modern spaces. Its glass-walled rear elevation draws in views of the lake, shoreline, and skyline beyond, and its horizontal mullions echo that imagery. The vertical mullions and stainless steel double chimney recall the pine trees that surround and almost engulf the house.

Meier carefully engineered the placement of every element to remove the distinction between inside and out. A skylight stripe along the rooftop deck pulls light down into the main living spaces. Both interior and exterior stairs are relegated to the corners of the structure so they don't obstruct views or light. Despite the contrast of materials and color, the home's skillful siting puts it elegantly at ease in its rugged environment.—meghan drueding



© Ezra Stoller/Esto