

residential
architect

hanley wood

JUNE 2008

the power
of less

messana o'rorke's
richly resonant
minimalism



mit's house fellow / elemental green /
dining with d'arc / mind your carbon /
interiors dialogue / no, tanks

www.residentialarchitect.com

THE NEW BUILT-IN SERIES FEATURING
WATER PURIFICATION

...ng bacteria and virus reduction beyond simple
...on, for cleaner, more pristine water and ice.
...t's fresh at subzerotrade.com or call 800-222-7820.





tile of spain®

www.spaintiles.info

Circle no. 21

duit, electrical wiring, computer cable and for in-floor heating – plus increased-efficiency under-floor HVAC systems.

Ceramic tile. For improved indoor air quality and safety. Because it's inherently healthier than many other surface materials, ceramic tile is often the material of choice for building owners who consider indoor air quality a priority. It's neither a primary nor a secondary source of air pollution because it emits no fibers, gases or other toxic byproducts, as other surface materials do. Ceramic tile also reduces allergens, and doesn't absorb smoke, paint fumes or other contaminants. Because it's chemically inert, ceramic tile inhibits the growth of mold, mildew,

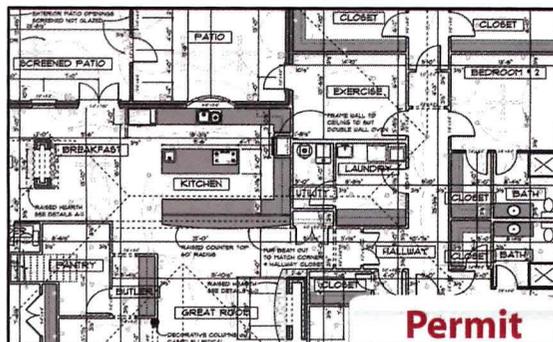
fungus and other organisms. Increased safety is a key benefit of ceramic tile, as well. It's inherently slip resistant and can be made more so by adding antiskid particulates to the tile's surface. Ceramic tile is also easily cleanable without the use of harsh eco-threatening cleaners.

To do better by the earth, start in Spain!

Learn more about how ceramic tile has always been an eco-friendly surface material choice – and how advances in technology by Tile of Spain manufacturers have made it even more so. Contact Tile of Spain, 2655 Le Jeune, Suite 1114, Coral Gables, FL 33134. Call 305-446-4387 or email miami@mcx.es.

The Leading Residential Design Software and Now...

Version 14



Material Report for plan: Intersomed B Page 2 of 6
 Report Style: CH Custom Thursday, October 08, 2009, 11:13 AM

| Material | Description | Qty | Units | Waste (%) | Cost | Yield | Total |
|-------------------------------|--------------|-----|-------|-----------|------|-------|-------|
| Wall Stud | 2"x4"x8' | 25 | feet | 8.00 | 2.00 | | |
| Interior Headers | 2"x6"x8' | 26 | each | 6.00 | 2.00 | | |
| Exterior Headers | 2"x6"x10' | 1 | each | | | | |
| Exterior Headers | 2"x6"x10' | 2 | each | | | | |
| Opening Rough Sill | 2"x4"x8' | 4 | each | | | | |
| RG Core Board | 5" | 342 | sq ft | | | | |
| Subfloor | | | | | | | |
| 3rd FLOOR FRAMING | | | | | | | |
| Sill Gasket | 3/16" | 25 | feet | | | | |
| Sill Plate | 2"x4"x10' | 2 | each | | | | |
| Ring Joint (Floor) | 2"x4"x10' | 9 | each | | | | |
| Ring Joint (Floor) | 2"x4"x10' | 2 | each | | | | |
| Ring Joint (Floor) | 2"x4"x10' | 1 | each | | | | |
| Ring Joint (Floor) | 2"x4"x10' | 1 | each | | | | |
| Ring Joint (Floor) | 2"x4"x10' | 3 | each | | | | |
| Joint (Floor) | 2"x4"x10' | 40 | each | | | | |
| Joint (Floor) | 2"x4"x10' | 1 | each | | | | |
| Joint (Floor) | 2"x4"x10' | 22 | each | | | | |
| Single Stud Header | 2"x4"x8' | 9 | each | | | | |
| Floor Sheathing | 0.5/8"x4"x8' | 28 | sq ft | | | | |
| Subfloor | | | | | | | |
| 3rd FLOOR WALL FRAMING | | | | | | | |
| Exterior Wall Length | 2"x4" | 142 | feet | | | | |
| Interior Wall Length | 2"x4" | 28 | feet | | | | |
| Interior Wall Length | 2"x4" | 81 | feet | | | | |
| Interior Wall Length | 2"x4" | 8 | feet | | | | |
| Wall Plate | 2"x4"x10' | 42 | each | 6.00 | 4.00 | | |



Version 14
SOFTPLAN
 ARCHITECTURAL DESIGN SOFTWARE

for a free trial version 1-800-248-0164
 www.softplan.com
 PCBC • Booth #2125

Circle no. 79

residential architect®

JUNE 2008

- S. Claire Conroy / Editor / 202.736.3312 / cconroy@hanleywood.com
 Judy H. Neighbor / Design Director
 Marla Misek Clark / Managing Editor / 202.736.3442 / mclark@hanleywood.com
 Meghan Drueding / Senior Editor / 202.736.3344 / mdrueding@hanleywood.com
 Nigel F. Maynard / Senior Editor / 202.736.3438 / nmaynard@hanleywood.com
 Shelley D. Hutchins / Associate Editor / 202.736.3407 / shutchins@hanleywood.com
 Cheryl Weber / Senior Contributing Editor
 Maria Bishirjian / Acting Art Director
 Kay Engman / Assistant Art Director
 Mary E. Endres / Senior Graphic Designer
 John Butterfield / Web Site Editorial Director
 Rachel Arculin / Senior Web Editor
 Stephani L. Miller / Associate Web Editor
 Cathy Underwood / Director of Production/Production Technologies
 Johanna Daproza / Production Manager
 Daisril French / Ad Traffic Manager
 Trey Gossage / Assistant Production Manager
 Fred Weisskopf / Prepress Manager
 Kevin Bright / Prepress Coordinator
 Betty Kerwin / Prepress Coordinator
 Donna Heuberger / Circulation Manager
 Ashly Mitchell / Junior Marketing Manager
 J. Michael Boyle / Group Publisher

- Hanley Wood Business Media
Peter M. Goldstone / President / 202.736.3304
Ron Kraft / Director / Finance
Nick Cavnar / Vice President / Circulation and Database Development
Ann Seltz / Vice President / Marketing
Nick Elsener / Vice President / Production
Andreas Schmidt / Executive Director / e-Media
Alec Dann / General Manager / Information Products

- Published by Hanley Wood, LLC
Frank Anton / Chief Executive Officer
Matthew Flynn / Chief Financial Officer
Jeffrey Craig / Chief Information Officer
Ken Beach / Executive Vice President / Corporate Sales
Brad Lough / Vice President / Finance
Mike Bender / Vice President / Legal
Bill McGrath / Vice President / Human Resources
Virginia Jackson / Controller

Editorial and Advertising Offices:
 One Thomas Circle, N.W., Suite 600
 Washington, DC 20005
 Phone 202.452.0800 / Fax 202.785.1974

Volume 12, number 5. *residential architect* (ISSN 1093-359X; USPS 016-871) is published nine times a year (January/February, March, April, May, June, July, August, September/October, November/December) in 2008 by Hanley Wood, LLC, One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 2008 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, U.S. \$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. **Subscription inquiries and back issue orders:** 888.269.8410 / Fax: 847.291.4816. **Reprints:** FosteReprints, 866.879.9144. 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 is 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.



See what's new at **KOHLER**.com/introductions



THE BOLD LOOK
OF **KOHLER**®

Accelerate Launch Schedule

- IAPMO Evaluation Service Report completed early

Sales begin next week at trade show

Incremental Sales from Early Launch

| 1st Qtr | 2nd Qtr | 3rd Qtr | 4th Qtr | 5th Qtr | 6th Qtr | 7th Qtr | 8th Qtr |
|---------|---------|---------|---------|---------|---------|---------|---------|
| ~50 | ~75 | ~100 | ~125 | ~150 | ~175 | ~200 | ~225 |

■ Initial Forecast ■

ConcreteTech, Inc.

Need it yesterday?

IAPMO Evaluation Service can put you ahead of schedule today.

Offering **lower prices and faster**, more flexible service than other providers, IAPMO ES is the smart choice for your company's building product evaluation needs.

Choose the evaluation agency preferred by building officials everywhere: IAPMO ES.

Call or visit us online today for more information on fast, professional service from IAPMO ES.

5001 EAST PHILADELPHIA STREET
 ONTARIO, CALIFORNIA 91761-2816 - USA
 PHONE: +1.909.472.4100
 WWW.IAPMOES.ORG

Circle no. 308

residential architect

JUNE 2008

Hanley Wood

Advertising Sales Offices

J. Michael Boyle / Group Publisher
 Phone 773.824.2402 / Fax 773.824.2540
 mboyle@hanleywood.com

Jon Yoffie / Associate Publisher
 Phone 916.941.6566 / Fax 916.941.6766
 jyoffie@hanleywood.com

Paul Tourbaf / Vice President / Sales and Editorial, e-Media
 Phone 202.729.3629 / Fax 202.785.1974
 ptourbaf@hanleywood.com

Chicago

J. Michael Boyle / Group Publisher
 Tim Ahlring / Regional Sales Manager
 Jim Bagan / Regional Sales Manager
 8725 W. Higgins Road, Suite 600
 Chicago, IL 60631
 Phone 773.824.2400 / Fax 773.824.2540

Northeast

David Janoff / Regional Sales Manager
 One Thomas Circle, N.W., Suite 600
 Washington, DC 20005
 Phone 202.538.3781 / Fax 202.785.1974

Southeast

Cindy Campbell / Regional Sales Manager
 241 Sweet Bay Place
 Carrboro, NC 27510
 Phone 919.265.3954 / Fax 919.942.0258

West Coast

Carol Weinman / Regional Sales Manager
 395 Del Monte Center, Suite 317
 Monterey, CA 93945
 Phone 831.373.6125 / Fax 831.373.6069

Canada

D. John Magner
 York Media Services
 500 Queens Quay West, Suite 101W
 Toronto, Ontario M5V 3K8
 Phone 416.598.0101, ext. 220 / Fax 416.598.9191

Classified Advertising

Janet Allen / Executive Director, Account Management Group
 Stacy Okoro / Operations Coordinator, Inside Sales
 Erin Liddell / Account Executive
 Barb Bukaty / Account Executive

Inside Sales Account Executives
 One Thomas Circle, N.W., Suite 600
 Washington, DC 20005
 Phone 202.452.0800 / Fax 202.785.1974

Ron Hewett / e-Media Sales Manager / 970.669.1607 / rhewett@hanleywood.com
 Terry Staton / Ad Contracts Coordinator / 202.736.3593 / tstaton@hanleywood.com

Subscription inquiries and back issue orders: 888.269.8410 / Fax: 847.291.4816.
 Reprints: FosteReprints / 866.879.9144. List rentals: Scott Perillo / 203.778.8700, ext. 132.
 For a media kit: Helene Slavin / 202.736.3428.

Published by Hanley Wood, LLC

ENERGY • WATER • INDOOR AIR QUALITY

WORKING TOGETHER TO MAKE A SUSTAINABLE DIFFERENCE.



SUSTAINABLE

In a world telling you to "Build green!" Whirlpool Corporation has a fresher, more supportive approach.

Join us in leading the way, starting with our sustainable home appliance solutions that save energy, conserve water and support clean, healthy indoor air.

From kitchen, to laundry, to HVAC and beyond, no one offers you more appliances that are ENERGY STAR® qualified. Or more ways to partner with education, resources and programs designed to make green building practical—and sustainable thinking second nature.

Insideadvantage.com. 1.800.253.3977.



MAYTAG®



Amana





SUSTAINABLE

SUSTAINABILITY REVIVES INTEREST IN TRASH COMPACTION

Mark R. Johnson, FAIA, CKD, AIBD

Back in 1969, Whirlpool Corporation was the first manufacturer to introduce a residential trash compactor, the first new-to-market kitchen appliance in 30 years. In fact, the trash compactor became the best-selling home appliance of that year.

Nearly forty years later, Whirlpool Corporation's trash compactors are still ahead of their time. Capable of reducing five trash bags to one, this humble invention has reduced an immeasurable amount of America's waste.

When Less Is More

By compacting trash, the average family produces 80% less waste by volume, providing landfills with



Reclaimed landfills can become beautiful golf courses that enhance communities.

extended life. Trash compactors are also very energy efficient and have low operating cost. By compacting waste directly at the source where it is generated, the environment benefits in the following ways: fewer trips to landfills, less fuel consumption and less toxic emissions by waste hauling trucks.

Environmentally Friendly

Your clients also benefit in many ways. In communities where citizens pay for the amount of waste they put out/haul away, a trash compactor shortly pays for itself by reducing collection bills. Trash is also a source for odors and can compromise air quality in the home. Whirlpool Corporation offers trash compactors with an integrated forced-air charcoal filter helping to control garbage odors and circulate fresher air. Further, when their useful life is over, approximately 85% of trash compactors are recycled for their scrap metal.



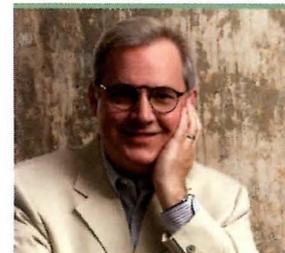
suite, and undoubtedly are more fashionable than the waste can they replace. They don't take up a lot of space and fit conveniently underneath



the countertop almost anywhere in the kitchen or garage.

Trash compaction effectively

eliminates much of the labor and handling time by compacting trash right at the source. This advantage over normal waste handling provides clients both convenience and time-savings in trips to the curb, as well as improved security by having trash out of reach of children and pets. So the next time you are spec'ing out a kitchen, don't forget to include the trash compactor.



Mark R. Johnson, FAIA, CKD, AIBD
Senior Manager, Architecture and Design Marketing

insideadvantage.com

CONTINUING EDUCATION

See all our continuing education courses at a new web address: www.aecdaily.com/whirlpool. Choose from these topics:

- re:Source Sustainable Design + Build Network – Video Podcasts
- Environmental Considerations when Specifying Appliances
- SketchUp Show Series – Video Podcasts
 - #20 Working with CAD
 - #21 Design a Kitchen in 20 Minutes
 - #22 Import Appliances and Images for the Laundry Room
 - #23 Remodel a Garage
 - #24 Design an Outdoor Kitchen
- Principles of Universal Design
- Trends in Kitchen Design

Isn't it wonderful when you can
delight your clients?
And yourself?



Jenn-Air Floating Glass appliance suite

In that spirit, our portfolio of home appliance brands is renowned for helping you satisfy the most discerning of clients. Both those who seek sophistication in the kitchen, laundry, outdoors and beyond. And those who desire inspired ways to save energy, conserve water and support clean indoor air.

Whirlpool Corporation. Working together to make a sustainable difference. 800.253.3977.
Insideadvantage.com.



ENERGY | WATER | INDOOR AIR QUALITY

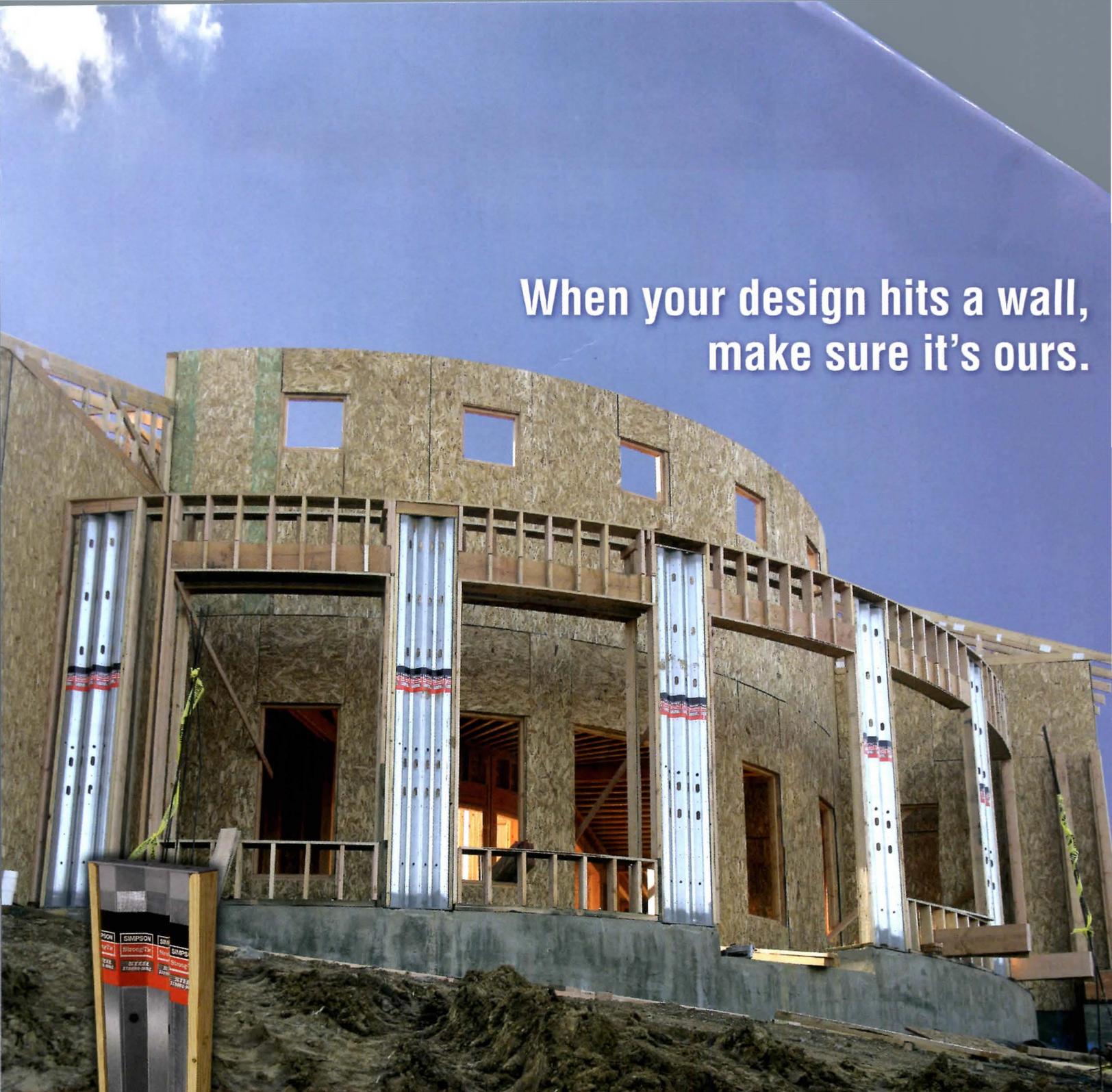


MAYTAG®



Amana





When your design hits a wall,
make sure it's ours.

You want bigger windows, smaller wall sections and the freedom to put a door right where you want it. The engineer wants enough room for the shearwalls needed to make the design work. Fortunately Simpson Strong-Tie® has the answer: the Steel Strong-Wall® shearwall. It provides the strength you need in widths as small as 12", helping eliminate the need for larger walls. Your search for design flexibility doesn't have to end with structural considerations, it just needs to start with Simpson Strong-Tie.

For more information see the *Strong-Wall® Shearwalls* catalog, visit www.strongtie.com or call (800) 999-5099.

SIMPSON
Strong-Tie

Circle no. 26

contents



page 46

from the editor.. page 11

home front.. page 12

MIT's democratic house plan / Charles and Ray on a stamp / Lautner celeb

green piece.. page 15

Pb Elemental gambles on a five-pack loft development in a transitional Seattle neighborhood. Its winning strategy? Sustainable design.

green pieces.. page 18

Smarter choices for the future.

k + b studio.. page 22

Studio d'ARC's live/work home base has a highly mutable, central kitchen. Desai/Chia's loft clients find controlled views and luminous light in their bathing sanctuary.



practice.. page 29

Architect Edward Mazria's 2030 carbon challenge has changed the way many architects see the future and what, in its light, they're doing to prepare themselves, their work, and their clients.



cover story.. page 40

articulating the minimal

Not every firm frets over the precise placement of a thermostat or electrical outlet on the wall.

At Messana O'Rorke, they do—with beautiful results.

by Cheryl Weber

inside story.. page 46

When architects drill the design all the way down to the last details of furniture and faucet, interiors realize their full potential as—well—architecture.

by Nigel F. Maynard, Meghan Drueding, and Shelley D. Hutchins

doctor spec.. page 53

Going tankless is both easier and more difficult than you imagined.

architects' choice.. page 57

What's what from Swatt.

new material.. page 59

All the new that's fit to print.

workspace.. page 64

Studio d'ARC's bird's-eye view of Steel Town.



*Mind the Gap:
Focus on Affordability
Register now for the 5th annual
Reinvention Symposium—page 33*

Inspiration can come from anywhere.
The ability to fulfill it comes from Eagle.



The Steinberg Pavilion at the
Perry-Mansfield School of Dance
Steamboat Springs, Colorado

"Whether you're looking at the pavilion, or out from it, you should believe the structure has grown out of the woods that surround it.

To echo the look of the trees, we cut standing dead timbers from the site and used them for our posts and beams. Then we added asymmetrical divided lights near the ceiling to emulate leaves and smaller branches.

Now, the dancers can feel as if they were moving through the forest itself."

JOE PATRICK ROBBINS
Architect



an Andersen Company

50 exterior colors • 11 interior finishes • 9 wood species • EagleWindow.com

"Eagle" and all other marks where denoted are trademarks of Eagle Window & Door Manufacturing, Inc.
© 2008 Eagle Window & Door Manufacturing, Inc.
Circle no. 249

from the editor

remembering judy

her hard work and talent made us all look good.

by s. claire conroy

I've worked in magazine journalism for 25 years now. I was in my early 20s when I started, and so was nearly everyone else I worked with at the time. Journalism—especially magazine journalism—was then and still is largely a young person's profession. Now, more than two decades later, I am near the top of the chronology on our staff. But I always took comfort that my partner on the art side, design director Judy H. Neighbor, was of similar vintage.

Judy just reached a milestone this past April that I'm staring down in a couple of years: The Big 50. The way I look at it, this is an age when you finally know a little something about what you're doing. But you're not too set in your ways to shake it up and try something different. You have some confidence in your improvisational abilities and a desire to skirt the comfort zone once in awhile.

I and our staff were looking forward to doing more experimenting with the magazine, and we knew Judy would embrace with gusto whatever challenge we could cook up.

But I'm afraid we won't be

taking that journey together. Judy died suddenly just a few weeks ago. She finished work on our May awards issue, headed home for a lovely weekend with her family, and on Monday we received the shocking news from her husband that she was gone.

A blood clot and heart failure. ... Everyone always needs to know how, even if we can't ever understand why or why now.

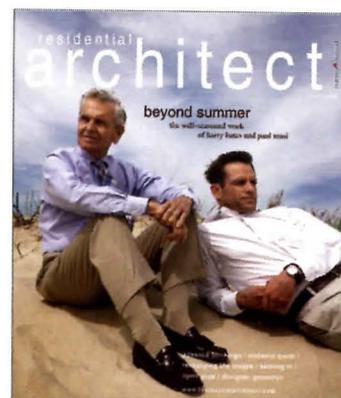
The colleagues who shared in her kindness, talent, and expertise are bereft. She was the guiding light of all the "R" magazines, design director of not just *ra*, but of REMODELING, UPSCALE REMODELING, and REPLACEMENT CONTRACTOR. She was the original designer of *ra*, and the design guru who helped shape the company's launches of EcoHOME and COASTAL CONTRACTOR and reshape many of its existing titles.

None of us ever had to worry about how a magazine would look when Judy was at her Mac. Even when deadlines for multiple magazines collided, she was unflappably upbeat and good-humored. She earned the loyalty and admiration of everyone who relied upon her. And we all did. So very much.

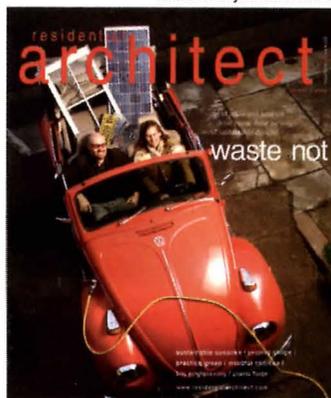
One of the responsibilities



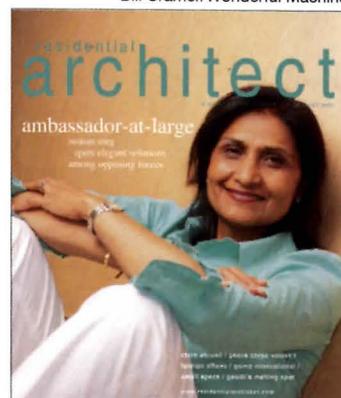
Bruce Duffy/Corbis SABA



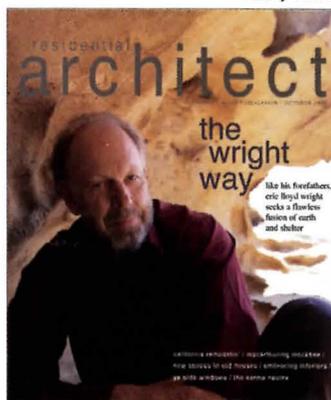
Bill Cramer/Wonderful Machine



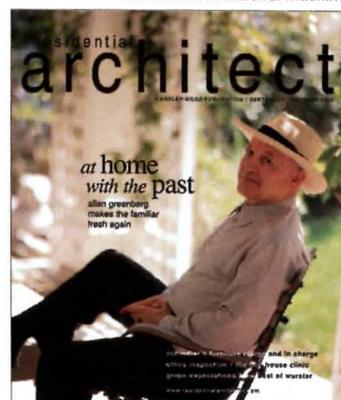
Danny Turner



Bill Cramer/Wonderful Machine



Mark Robert Halper



Mark Robert Halper

With her talented photographers, Judy directed wonderful covers for *ra* (clockwise from top left): Chris Alexander; Harry Bates and Paul Masi; Suman Sorg; Allan Greenberg; Eric Lloyd Wright; and David Arkin and Anni Tilt.

Judy most enjoyed on the magazine was directing the covers. She gave her photographers wide latitude and gentle guidance—with often truly wonderful results.

More than anything,

these great faces, captured in time, make me think of her. *ra*

Comments? E-mail: S. Claire Conroy at cconroy@hanleywood.com.

home front

news from the leading edge of residential design.

perspective *school of thought*

Before Kent Larson plunged into academia, he designed residential, commercial, and institutional buildings as a partner with Peter L. Gluck & Partners, Architects in New York City. In 1996 he left to ply his research skills at the Massachusetts Institute of Technology, where he currently leads both the Changing Places and House_n research consortia, as well as the MIT Open Source Building Alliance. Larson spoke recently with *residential architect*.



What is it like to immerse yourself in research after practicing for 15 years?

“Practicing architecture is fabulous, particularly if you get to build great projects. But it doesn’t usually give one time to think about larger issues beyond the project at hand. In academia, one can reflect on new, long-term possibilities and interact with students who have the freedom to think outside the box.”

What is the purpose of your various research projects?

“We’re trying to address societal problems by developing new models for design, fabrication, and technology integration. These models can be applied to issues like proactive health and energy conservation. There’s a rich tradition of architects trying to improve society through design and technology. The visionaries of the Bauhaus in the 1920s focused on deploying the tools of the era—electricity, concrete, glass, and steel—to rethink how architecture and mass production could make the world a better place.”

How will architects’ roles change over the next 10 years?

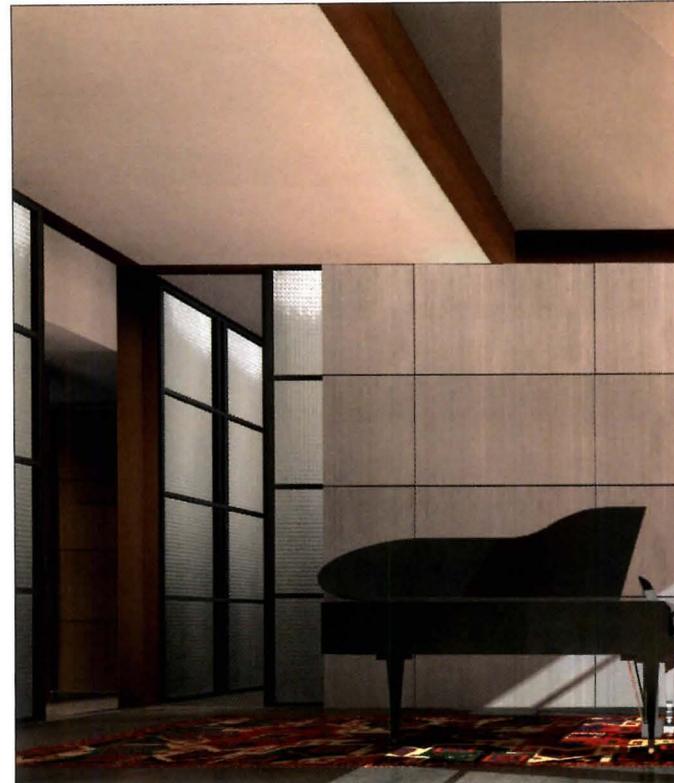
“In addition to conventional practice, architects will be involved in the development of expert tools to let non-expert designers be in the center of the design process. Architects are now involved in only a tiny percentage of new homes. They will play a much more meaningful role as the industry shifts from a craft process to more of an industrial design process. Powerful computational tools will democratize design.”

What will houses be like in the future?

“The future will contain an almost infinite variety of housing that responds to a broad range of personal needs and values. That’s why we call our consortium House_n—there will be ‘n’ number of solutions. The process of creating residential architecture will mirror the endless array of configurators that you now find online for cars, computers, shoes, and most other consumer products. Architecture, however, requires a far more complex integration of products and systems.”

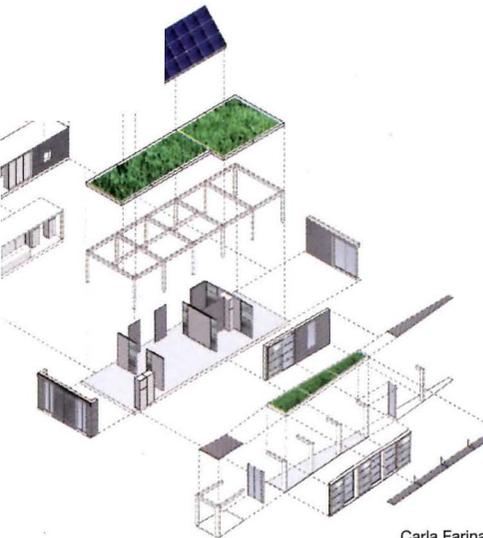
Is there any topic you haven’t investigated that you’d like to?

“There are thousands of things I want to explore.”—*meghan drueding*





Rendering and photos: Courtesy Kent Larson



Carla Farina

The OPEN Prototype Initiative, a program of the MIT House_n Research Consortium and Bensonwood Homes, among others, recently unveiled its design for Unity House (above and top), a net-zero-energy, mass-producible home. House_n is also working on developing design tools for non-designers, such as the Design Interface Table (opposite), a thesis project by T.J. McLeish.

stamp of approval

Charles and Ray Eames focused their considerable talents on creating well-designed products with practical, real-world applications. So it only seems fitting that, starting June 17, images of the mid-20th-century pair and their work will appear on a pane of 16 commemorative stamps from the United States Postal Service. “It’s a perfect marriage of subject and purpose,” says Derry Noyes, the Postal Service art director who proposed the idea.

The stamps highlight items from the Eames’ iconic body of furniture, architecture, textiles, graphics, home accessories, and film, as well as a playful photo of the couple themselves. “The images reduced down beautifully,” Noyes says. “There’s lots of color and silhouette. You want to show the structural beauty, the way things fit together.” Along with her love of Charles



ARCHITECTURE • FURNITURE • FILM • GRAPHIC DESIGN • INDUSTRIAL DESIGN • SCULPTURE • TOYS • FASHION
Copyright 2008 USPS. All Rights Reserved.

and Ray Eames’ design sensibility, she also shares a personal connection with them: her father was the modernist architect and industrial designer Eliot Noyes, and her parents were close friends of the couple.

Noyes says she and the Postal Service hope the stamps will expand the audience for the Eames’ creations, as well as delight long-time fans. Twenty-four million individual Eames stamps will be printed; they’ll be available until they sell out or for up to one year.—*m.d.*

save the date

between earth and heaven: the architecture of john lautner

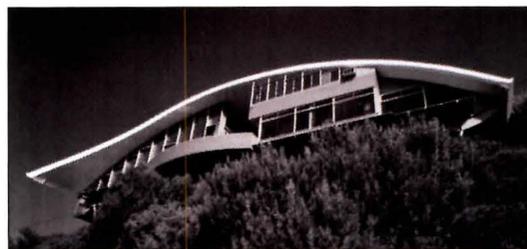
july 13–october 12

hammer museum, los angeles

This comprehensive exhibition explores the architectural legacy and influence of John Lautner. Trained by Frank Lloyd Wright, Lautner was known for sculptural houses that pushed the limits of structural engineering. Several of his projects, including the Garcia House (below) and the Chemosphere, have been featured in films or television programs. Along with photographs and recently constructed models of Lautner’s projects, the museum will be showing short film tours of the houses. A three-venue tour and 234-page book of Lautner’s work are also available as part of the celebration. Visit www.hammer.ucla.edu or call 310.443.7000 for more information.

ongoing

Spark Design Awards 2008, deadline: August 1, www.sparkawards.com; **Eero Saarinen: Shaping the Future**, through August 23, National Building Museum, www.nbm.org; **Craft in America: Expanding Traditions**, June 14–September 14, Cranbrook Art Museum, www.cranbrookart.edu/museum; **Ateliers Jean Prouvé**, through March 30, 2009, The Museum of Modern Art, www.moma.org.



Julius Shulman

For up-to-date, comprehensive calendar listings, go to www.residentialarchitect.com. —*shelley d. hutchins*

acrylic based cap :: largest color palette :: water management system



IQ^m™ Trim Boards :: The Smart Choice for Trim



IQ^m Trim Boards deliver a level of performance and visual appeal that out-smarts all other trim products. IQ^m represents the next generation in cellular PVC trim. It's the smart choice for architects looking for timeless beauty and durability. IQ^m is available in the widest selection of colors in the industry with an acrylic based cap for enhanced weathering with no fading. The AquaFlex™ technology, a patented water management system, helps divert water away from the wall. We innovate for a living and manufacture products that will work hard for years to come. Innovate today.



Innovative Exterior Products™

Circle no. 303

www.theTapcoGroup.com

green piece

chance encounter

Pb Elemental plays a winning hand.

being your own developer, designer, and builder offers the freedom to align your creativity and your beliefs with your business. But there's no doubt you also take on all the risk. Pb Elemental Architecture decided to play its game of chance with this 6,000-square-foot lot located in a sketchy neighborhood and on a busy road. What hedged the bet was a new library across the street and a determination to build green in a city that embraces it. The area, principal Chris Pardo feels, is on the upswing. "South Park had a bad reputation for a long time," he says, "but now it's becoming a little artist community."

The building is the first in the neighborhood to earn Seattle's Built Green certification. Features such as solar panels, an insulated rainscreen, gray water recycling, stormwater harvesting, radiant heat, and sustainable materials helped the firm garner a five-star rating—the program's highest. And in sustainable design, size matters. Two pairs of 760-square-foot lofts flank a 1,250-square-foot unit. Pardo and partner David Biddle created compact footprints that function efficiently and still feel spacious. They even managed to squeeze in yards. Clever storage includes a hidden pantry behind the fridge downstairs and a flip-down countertop above the washer and dryer upstairs. An open second floor (containing bed, bath, and laundry niche) maintains the full height of the building to produce an airy atmosphere.

"You can see the entire unit from any point in the house," Pardo says, "so it was really important to tie all of the features and materials together." Dark accents unify and anchor two-story interiors. Chocolate bamboo flooring on the mezzanines wraps around to become kitchen ceilings. The same rich stain shows up on low-VOC cabinets and reclaimed wood window frames. A floating steel stair with dark bamboo treads defines a cozy nook underneath. Polished concrete floors and white walls contrast rich millwork. Even on gray days, natural light floods each loft through glass garage doors and skylights—both operable for ventilation.

Before construction began on the lofts, the firm snapped up six more lots and is currently in various stages on other infill projects. The architects are definitely doing their part to revitalize the area with hip, sustainable housing. These five units were completed in February and four are sold—the first one to another architect—so it seems Pb Elemental has played a very good hand, indeed.—*shelley d. hutchins*



"We weren't sure they'd be the right size," Chris Pardo says of yet another gamble—the solar panel awnings (above and top). But they fit perfectly, permitting doors to stay open even on rainy days.

Photos: Justin Horrocks / Digital Savant



COVER MORE GROUND.



New higher performing Jet Stream® 73.3 covers more square feet per bag than any other fiber glass blowing insulation.

Now crews can cover a larger area quicker to keep your project on schedule. Jet Stream, the industry's coverage leader gets insulation crews out of the attic and on to the next job faster than ever before. With 73.3 square feet of R-30 coverage per bag, installers deal with fewer bags, less handling and fewer restocking trips.*

Jet Stream's higher thermal performance per inch delivers more R-value at the eaves and in low pitch attics. And its unique "platinum" color ensures the performance you require. Cover more ground with Jet Stream 73.3.



JET STREAM® 73.3
HIGHER PERFORMING FIBER GLASS BLOWING INSULATION

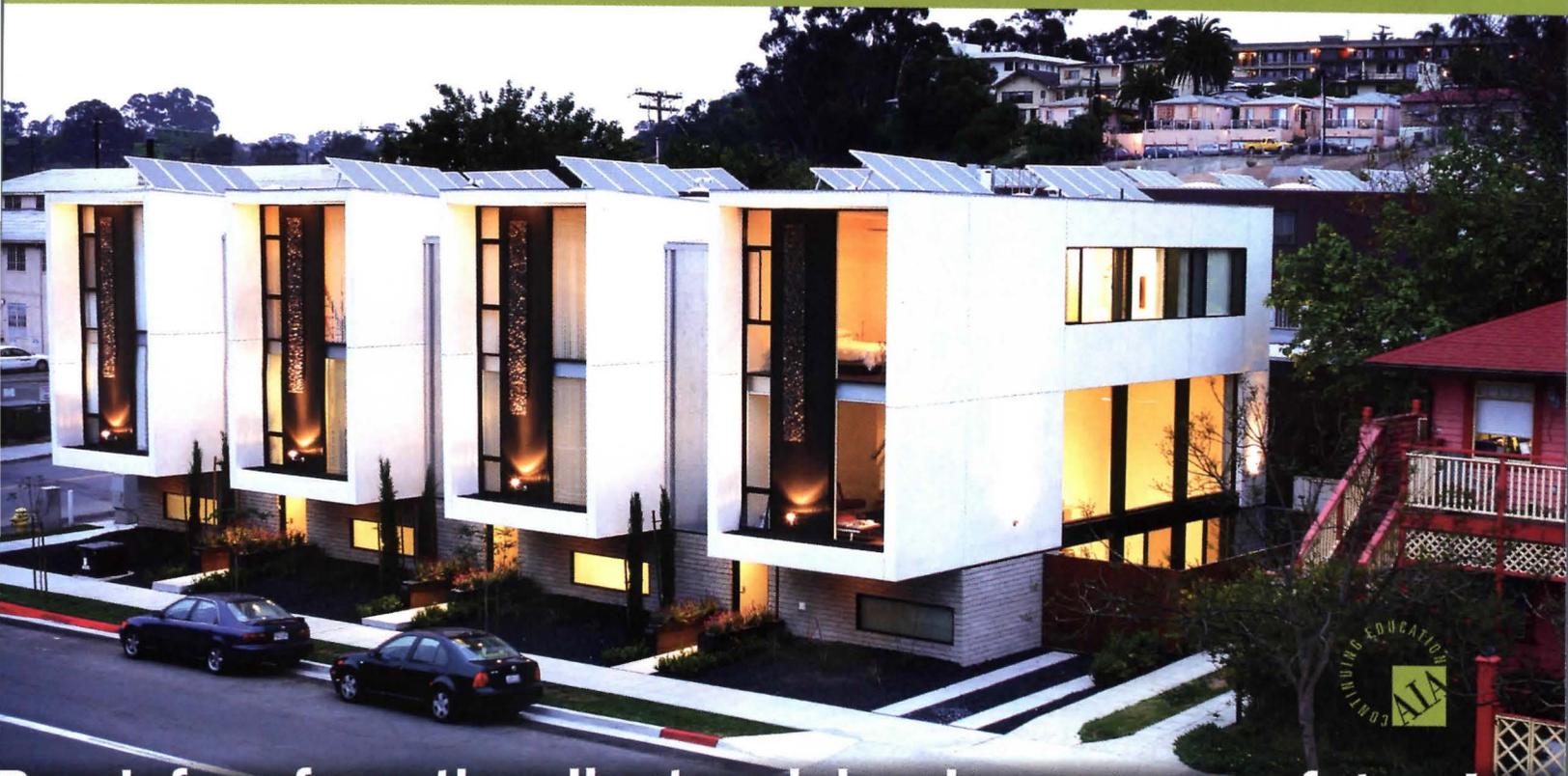
Go to TheCoverageLeader.com
or call (800) 825-4434, ext. 8300

KNAUF INSULATION

*The higher the R-value, the greater the insulating power. Ask your seller for the fact sheet on R-values. Jet Stream is a registered trademark of Knauf Insulation GmbH.

architect as DEVELOPER

Seminar with JONATHAN SEGAL FAIA | August 24, 2008 | Washington, DC



Break free from the client and develop your own future!

I attended Jonathan's 'architect as developer' seminar and found it invaluable. Segal's interesting story will inspire you. From this energy-filled day you will come away enthused about the possibilities of building your OWN destiny!

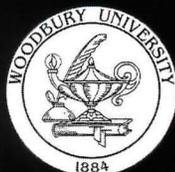
Will Bruder AIA President,
Will Bruder + Partners Ltd

“Segal delivered as expected and more; throughout the presentation I was kicking myself for not bringing more members of my team to the seminar – this is the next best learning process to real-life experience.”

Graham Downes Architect & Developer

August 24, 2008
WASHINGTON, DC

Walter E. Washington Convention Center



Circle no. 314

REGISTER ONLINE:

\$595/person (before July 1st)

\$695/person (July 1st - Aug 1st)

\$795/person (after August 1st)

Each attendee will receive a workbook outlining the process.

JONATHAN SEGAL FAIA will go through case studies of his own work, while explaining the following topics:

- ▶ How to develop a single-family residence and a multi-family rental project
- ▶ Title insurance
- ▶ Proformas
- ▶ Insurance
- ▶ Bank financing
- ▶ Permanent take out financing
- ▶ Construction contracts

Space is limited. Register online at www.architectasdeveloper.com/ra

green pieces

smarter choices for the future.



ecorock-solid

Like concrete and glass, drywall has high embodied energy, says Steve Weiss, of Sunnyvale, Calif.-based drywall manufacturer Serious Materials. But his company has something different in mind. Its new EcoRock wallboard requires 90 percent less energy to produce because its core is made from “commonly available minerals with high recycled content” that essentially “bake themselves,” he says. Better still, EcoRock looks and feels like standard wallboard and will cost the same as premium drywall when it hits the market in late 2008. Serious Materials, 800.797.8159; www.seriousmaterials.com.



pure substitute

Bamboo-based building products are commonplace, but only offerings from San Francisco-based Smith & Fong boast certification by the Forest Stewardship Council (FSC). The manufacturer’s Plyboo line of flooring and plywood have earned the “FSC Pure” label, signaling they’re made from certified forests and handled by an FSC chain-of-custody-certified company. Available by summer. Smith & Fong Co., 866.835.9859; www.plyboo.com.

guiltless gourmet

Sleek, strong, and sustainable describe the flexible kitchen systems from Bazzèo. Customizable cabinets, drawers, and storage pieces are crafted from rapidly renewable and

recycled materials, including wheatboard, aluminum, stainless steel, and certified woods finished with wood veneers, aluminum or laminate



panels, and low- to no-emission lacquers. Bazzèo says it transforms all manufacturing waste into new products and plants a tree for each new order; it also claims its products can contribute up to four points to projects seeking LEED certification. Three-way adjustable hinges and fully extendable drawers that can hold up to 90 pounds add substance to Bazzèo’s pretty, green face. Bazzèo, distributed by NYLOFT, 212.206.7400; www.bazzeo.com.

—nigel f. maynard and shelley d. hutchins



Circle no. 304

YOU'D BE SURPRISED WHAT WE GO THROUGH TO PROTECT YOUR REPUTATION. Testing windows and doors is tough, and sometimes scary work. But someone's got to do it. At the American Architectural Manufacturers Association, we use independent accredited test labs to offer impact resistance evaluation of windows and doors as additional testing beyond resistance to air leakage, water penetration and wind pressure. What's more, AAMA Certification Program manufacturers submit to two surprise plant inspections a year as part of the program's quality assurance requirement. They also certify that the products you specify, when installed properly, match the quality of the sample product tested. No one is more committed to quality than we are. So ask for the AAMA certification. And make sure the product you specify — and your relationship with your client — both remain intact. To learn more, call 847-303-5664 or visit aamanet.org/certification. And don't be fooled by imitation labels — confirm the products you specify are AAMA certified by visiting the Certified Products Directory on our website.



**AAMA STANDS
FOR YOU.**

◀ Designed by
Jorge Pensi



Consciously cool.
modernfan.com



Circle no. 339

ENDURING IMPRESSIONS
BROUGHT TO LIGHT



DESIGNERS AND MANUFACTURERS OF LIGHTING

BRASS LIGHT GALLERY
COMMERCIAL • RESIDENTIAL • VINTAGE

www.brasslight.com

Milwaukee | 800.243.9595

Circle no. 75

Kitchen designed by
Sandra L. Steiner-Houck, CKD
NKBA Design Competition Winner



NKBATM
The Kitchen & Bath Professionals

the benefits of membership.

🕒 Education 🕒 Networking 🕒 Leadership 🕒 Tools

www.nkba.org 800-THE-NKBA 🕒 **JOIN TODAY**

Circle no. 345

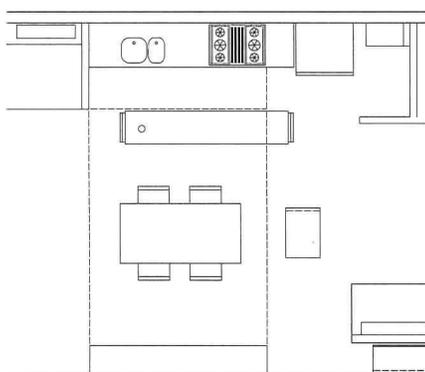
k + b studio

kitchen: test kitchen

Pittsburgh architect Gerard Damiani, AIA, NCARB, calls his live/work row house a “prototype of how to build well and affordably, as well as sensitively to the site and the feel of our city.” That’s a hefty goal for a 1,770-square-foot building, so Damiani and partner Debbie Battistone took their time designing it—six years, in fact. The resulting space, with its nine types of windows and five ways to open a cabinet, is a showcase of fine design and clever craftsmanship.

The kitchen is the first space potential clients see as they walk through the foyer to stairs for the second-story studio [see *Workspace*, page 64], so the couple made it the heart of their architectural laboratory. A serene, seemingly simple layout conceals numerous bells and whistles. “When you take on a strategy like this, you have to make sure it has an architectural continuum,” Damiani explains. Solid maple plywood provides that continuity, with nary a handle or knob in sight to break up the expanse of blond wood.

The kitchen’s only other material is steel—a practical choice that also links to the city’s heritage. Stainless steel appliances match commercial-grade countertops and an exposed frame on the

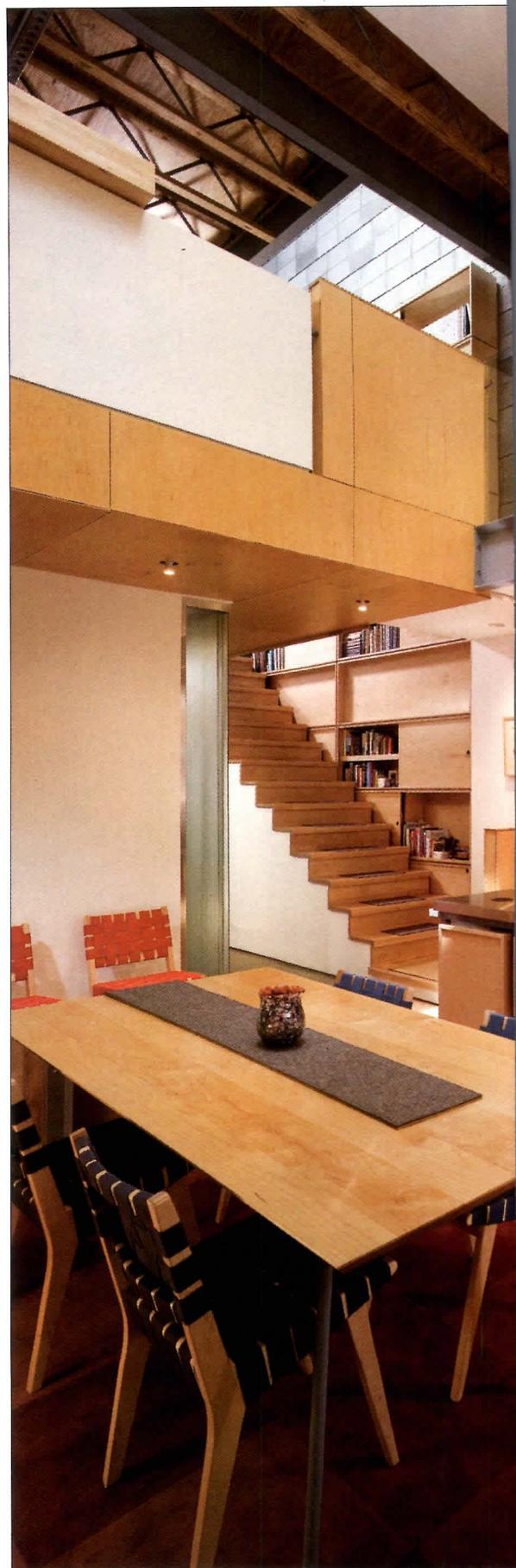


A galley layout puts appliances against the wall, freeing up the rolling island for relocation as needed.

island. That frame extends past the countertop, forming sturdy towel bars that double as handles to roll the castermounted island aside when space is tight.

Other innovative strategies maximize function and space within the compact footprint. A partial wall floats between the kitchen and living area, concealing open pantry shelves next to the fridge on the kitchen side and more storage in the living room. Perforated maple panels provide ventilation for air registers, as well as a microwave cubby. And the trash bin can be reached either by opening a cabinet door or through the circular hatch cut into the island countertop.

Damiani and Battistone say their lengthy effort has paid off in spades. Prospective clients venture into the kitchen to see its clever details and often wind up commissioning the firm for their projects. And once the workday ends, it’s simply a great place to make dinner or unwind with a glass of wine.—*shelley d. hutchins*





The kitchen/dining area opens to the second floor, permitting sunlight from a central skylight to penetrate the interior. A cinder block wall unifies the public rooms, while maple plywood casework defines each space. The multitasking built-ins, also designed by studio d'ARC, include an asymmetrical drop-leaf dining table, Murphy Bed couch, and swiveling TV stand.



Photos: Ed Massery

architect: studio d'ARC architects, Pittsburgh

general contractor: Jeffrey M. Smith Construction, Gibsonia, Pa.

structural engineer: The Kachele Group, Pittsburgh

cabinetmaker: Kramer Kustom, Pittsburgh

resources: dishwasher: Miele; faucets: The Chicago Faucet Co.; fireplace: CFM Corp. (Vermont Castings); refrigerator and stove: GE Consumer & Industrial (Monogram)

k + b studio

bath: breathing room

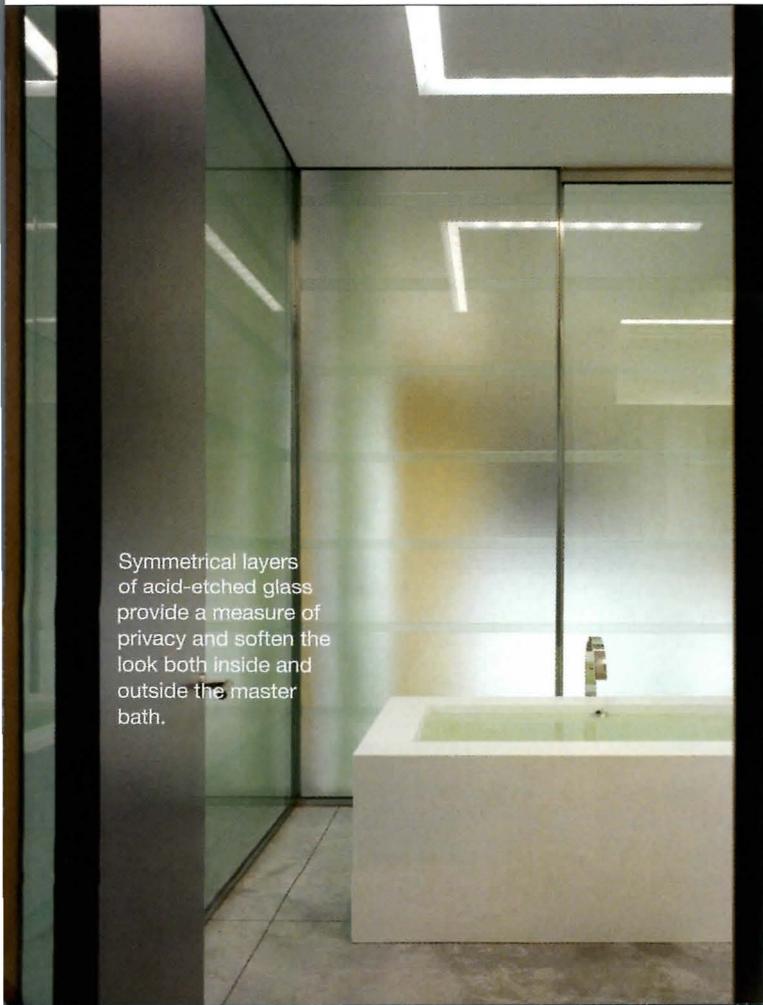
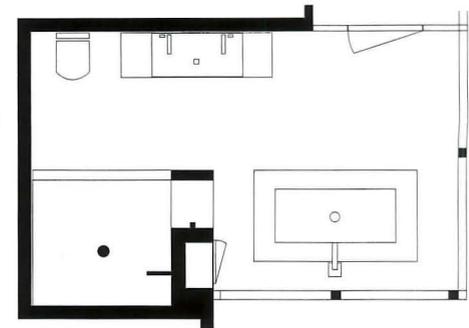
W

Warm and gentle aren't usually the first words that come to mind when talking about contemporary architecture. But those are exactly the descriptors New York City-based architects Katherine Chia, AIA, and Arjun Desai hope to hear when people see their work. This Manhattan loft (a RADA winner for interiors)—and especially its bathrooms—is a prime example of how the firm tames the contradictions. "Most bathrooms are hermetically sealed," Chia explains, "but we like to create bathroom zones with a breathable skin and bring in organic materials like wood."

All three bathrooms lack exterior walls, so bringing natural light into the interior spaces was especially important. Chia and Desai enclosed the guest and children's baths using vertical wood slats with a prominent grain. "It's a material that still has an architectural presence," Chia says, "but the scale and texture of the wood grain brings additional warmth to the space." In most places, the fixed planks are offset to block sight lines, yet filter light. The slats pivot in a few select spots,

however, so the homeowners can manually control light distribution and ventilation.

Glass encloses the outer corner of the master bath, which is tucked up against one of the loft's interior walls, to maximize borrowed light without exposing bathers. The acid-etched glass is layered shingle-style, adding texture to the sleek space. "It's a more gentle surface than if it was one sheet of glass," Chia says of the spec, "and when light hits it, the glass plays with the light and diffuses it into different colors and textures."—*s.d.h.*



Symmetrical layers of acid-etched glass provide a measure of privacy and soften the look both inside and outside the master bath.



Photos: Paul Warchol Photography

architect: Desai/Chia Architecture, New York City

general contractor: David Giovannitti, Giovannitti Inc., Yonkers, N.Y.

resources: plumbing fittings and fixtures: AF Supply Corp., Dornbracht Americas, Duravit USA, Vola A/S; translucent walls: PK-30 System by Philip Kerzner

First there was wood.
Then composites.
Now there's AZEK Deck.

► **Our decks go equally well with red wine, BBQ sauce or ketchup.**

AZEK Deck, the #1 brand of stain resistant decking, is a superior decking option that is refining - and redefining - the very notion of building a deck. Engineered with Procell® Technology, AZEK Deck virtually eliminates the shortfalls associated with wood and composite decking so you can forget the stain problems that are common with the leading decking products.

Built to withstand a houseful of household objects, homeowners can actually live on their AZEK Deck. Spilled wine, fruit punch, even hamburger grease are no match for AZEK Deck's stain resistance. And since it's scratch resistant, you won't have to worry about scuffs during installation and AZEK Deck will keep looking great for years.

AZEK Building Products has more than 20 years of experience in cellular pvc manufacturing. We make AZEK Trim, the #1 brand of trim, and AZEK Moulding. And now, we're bringing our leadership and innovation to AZEK Deck.

To see why AZEK Deck is the solid choice for building a better deck, visit azek.com or call 877-ASK-AZEK.

Circle no. 389

AZEK[®]
Deck

AZEK[®]
Building Products

AZEK[®]
Trim

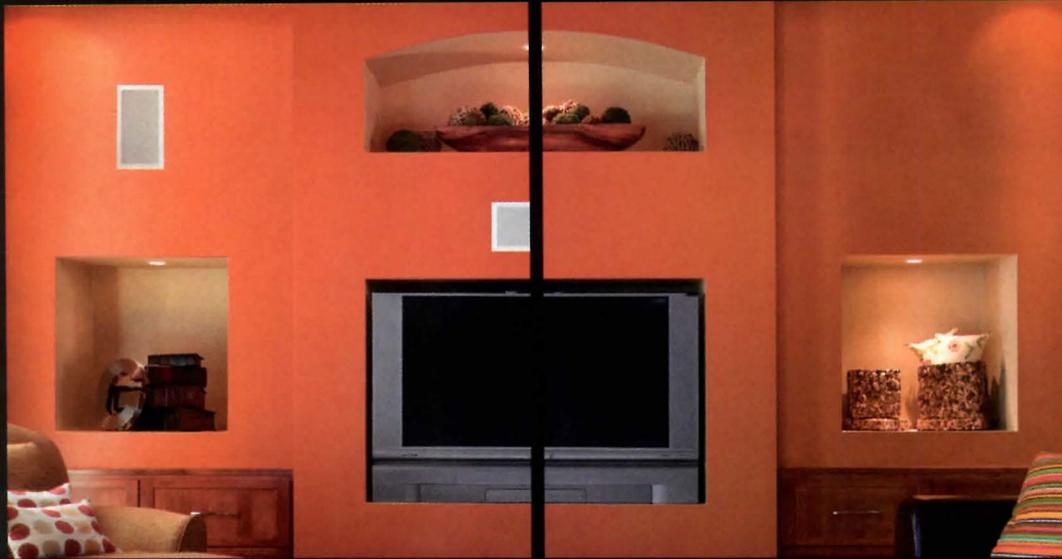
AZEK[®]
Deck

AZEK[®]
Moulding

AZEK[®]
Porch

Invisible Speakers. Incredible Sound.

no grates, no grills, no covers



Onsia is a revolutionary new flat panel speaker that achieves completely invisible installation in any new or existing drywall surface, transforming the entire wall or ceiling into a sound source.

These speakers now make it possible for builders, architects, designers and remodelers to create audio solutions without compromising the interior design of modern retail spaces.

Invisible never sounded so good.

www.onsiaideas.com

800.434.3750

ONZIA
CONCEALED SOUND SOLUTIONS

Circle no. 316

Get out of the crowd, and into a job. At ArchitectJobsOnline.com.

ArchitectJobsOnline.com is the official career site of ARCHITECT and residential architect magazines. Unlike general job sites, we offer Job Postings, Career Advice, Architect News, Architect Events, Salary Information and Resume Posting. So visit ArchitectJobsOnline.com today. And leave the mass market job sites to those other characters.



ARCHITECTJOBS ONLINE



••• Job Listings • E-mail Alerts • Career Tools • Industry Intelligence •••



Communication Solutions

Audio Video Solutions

Entry Solutions

Vacuum Solutions

Security Solutions

There's an easier way to relax at work. It's called the Linear Builder Program.

The Linear Builder Program is packed with solutions that make building easier and lunch hours longer. From secure access controllers to home audio systems, Linear creates technologically advanced homes while maintaining the flexibility to customize projects for every need and budget. With an equally versatile rebate program that grows with your business, the Builder Program guarantees security, communication, and safety with the dependability of the Linear name.

Visit us at linearcorp.com/builder or call 1-877-456-5130.

Circle no. 208

All these brands are now under one name.





Custom. Period.

Furniture that fits. True custom cabinetry.
The perfect fit for your period home.

CROWNPOINT
CABINETRY

Period styling.
Handcrafted to the finest quality.

800-999-4994 • www.crown-point.com

watch your step

how the residential design community is responding to 2030's carbon footprint challenge.

by cheryl weber

In the past year and a half, Edward Mazria's 2030 manifesto has taken on a momentum of its own. Until recently, the 67-year-old architect was a principal in the successful Santa Fe, N.M., practice of Mazria Riskin Odems and lecturing about global warming on the side. But in 2007, Mazria, AIA, decided to spin off from the firm. He brought along a few staff to help run Architecture 2030, the nonprofit he founded to spread the word about architects' role in averting climate change. Or rather, the decision was made for him, since the groundswell of interest in his environmental research had begun to eclipse the practice. "This is all time-consuming," Mazria says, sounding a tad travel-weary this spring after returning from back-to-back speaking engagements in Sacramento, Calif., Orlando, Fla., Miami, and Lafayette, La.

It's been several years since Mazria, a veteran of the 1970s environmental movement, sliced up the latest scientific data and concluded that the building industry is responsible for about half of America's energy consumption and the greenhouse gas emissions that contribute



Brian Stauffer

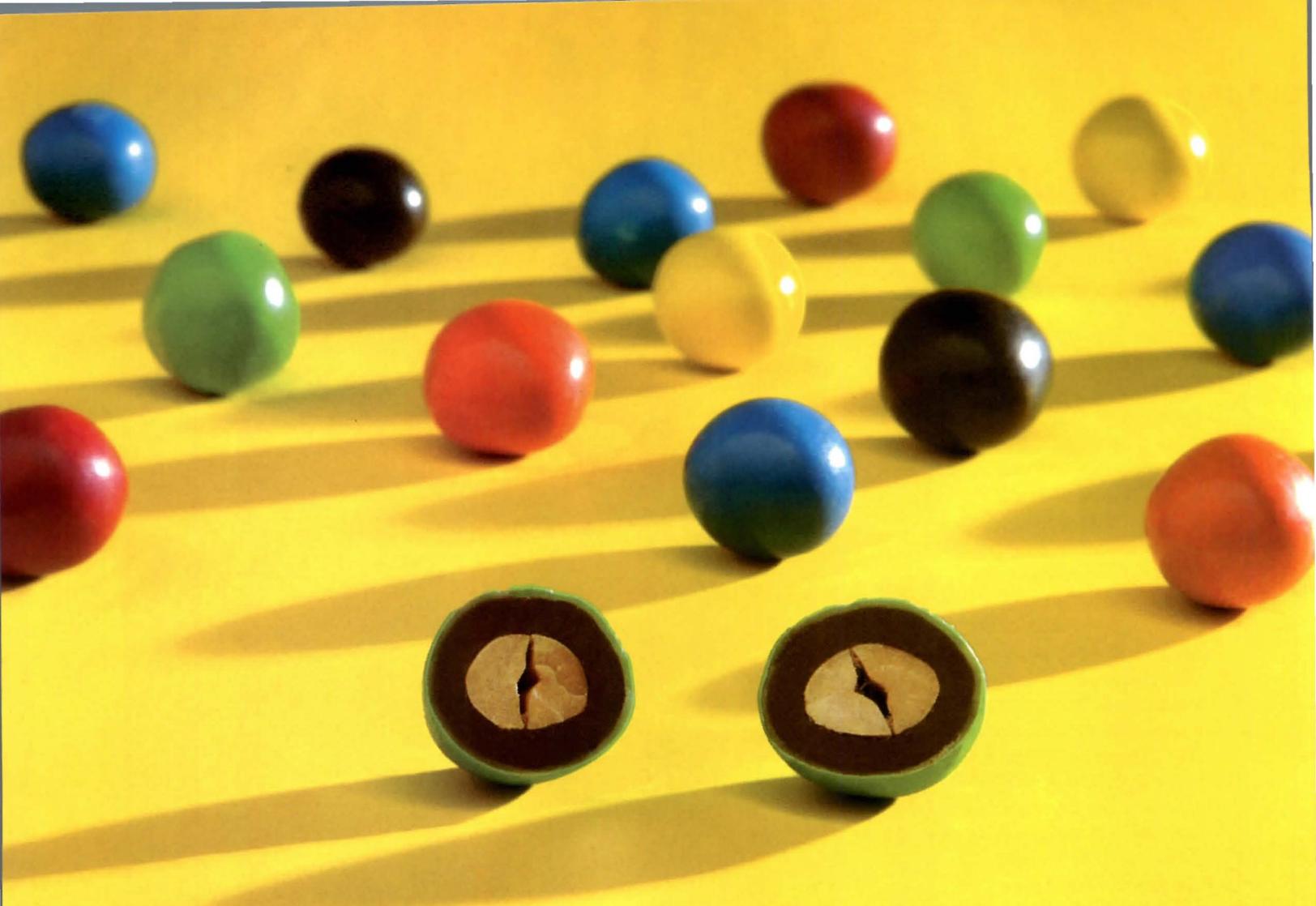
to global warming. Since much of the burden falls squarely on architects—he estimates they design 77 percent of all nonresidential buildings, 70 percent of all multifamily, and 25 percent of all single-family homes—he's begun asking the profession to incrementally reduce fossil fuel use in projects: by 60 percent in 2010 and by an additional 10 percent every five years until reaching net-zero

nirvana in 2030. At each stage, he allows, 20 percent of those emissions targets may be offset by purchasing renewable energy credits.

Mazria's clear, urgent message has been embraced by individuals, firms, and architecture schools all over the world. The challenge has been adopted by the major building sector organizations, the U.S. Conference of Mayors, and a number of cities and states. Illinois

recently legislated that all state buildings meet the 2030 targets. California adopted the benchmarks for commercial buildings and is requiring that residential units produce as much energy as they use by 2020. In perhaps the biggest triumph of all, last January the U.S. government signed the 2030 Challenge's energy-reduction targets into law for all federal buildings.

continued on page 31



**PELLA ADVANTAGE NUMBER 59: AN ASSORTMENT OF
COLORFUL EXTERIORS WITH A RICHLY SATISFYING INTERIOR.**



Aluminum and wood — a sweet combination. Aluminum cladding provides a colorful, durable exterior, while wood creates a beautiful, warm interior. With Pella® wood windows and doors, you'll find solutions to meet any design challenge or budget requirement. A spectrum of products created to complement your good taste. That's **The Power Of Yellow.®**

Call **866-829-9051** or visit pella.com/pro.

Circle no. 19



VIEWED TO BE THE BEST.®

It's hard to imagine that all new buildings could be carbon-neutral within a decade or two. But the science is clear, and the technology is closing in. In the nation's northern climes, "even on cloudy days there's enough sunlight falling on each square foot of roof to get 10 times as much energy as the buildings need to operate," Mazria says. "It's a matter of conversion. Solar technologies keep increasing every year. We think the technology will increase faster than the reduction targets." However, he's asking architects to first tackle the problem through pure design. Passive solar strategies alone, he maintains, can reduce emissions by 50 percent to 80 percent. The rest can be made up with solar and wind power—technologies that are dropping in price.

"The latest reports are saying the price of generating on-site electricity using thin photovoltaic cells is expected to drop dramatically in a few years," Mazria says. "We think the cost of going carbon-neutral will keep pace with targets as we go out in time. That's also why the targets are staged—to allow time for the cost to drop."

taking the measurements

By all accounts, we're at the tipping point for a major shift in the way buildings are designed and built. Whether the motivation is rooted in marketing or a

moral sense (or both), architects have begun to rally around their power to adjust the global thermostat. And to his credit, Mazria has kept things clean and simple by basing the targets on a common measurement: the amount of BTUs a building uses per square foot, with reductions benchmarked against the EPA Target Finder's averages for different building types. (Its values are calculated from the Commercial Buildings Energy Consumption Survey (CBECS)—a baseline agreed upon by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE), The American Institute of Architects (AIA), and the U.S. Green Building Council (USGBC).) But hitting those goals takes some homework.

Rob Brennan, AIA, of Baltimore-based Brennan + Company Architects, started using green specs five years ago and does a "green plan" for every project. As a result, he believes he's well on the way toward hitting the 60 percent target. Verifying those numbers is the more difficult task, however, and the ability to take quick, accurate measurements in the design phase will become even more critical as the targets progress. Brennan recently identified a mechanical engineer who does energy modeling and is offering the service as an option for clients, but money is an obstacle. "We're climbing the ladder; some clients are open to it, others not at all," he says.

"The 2030 Challenge is a noble cause; it's made people aware of what needs to be done, and quickly. Our effort in the next year will be to quantify our projects' energy use to get to these more aggressive numbers."

If anyone knows how to balance BTUs and budget, it's long-time environmentalist David Arkin, AIA, Arkin Tilt Architects, Berkeley, Calif. But even he agrees that running the numbers is hard work. It's something architects aren't trained to do, and it's difficult to find energy-savvy engineers willing to work on a small scale. That's why he hired recent architecture school graduate Dan Johnson, LEED AP, to do the math. Johnson interned at Spokane, Wash.-based Integrated Design Lab, which conducts sustainability studies. "We're skeptical of the results we get from energy consultants," Johnson says. "Maybe they don't understand the design entirely. I like doing the calculations right in front of me, so I know what all the assumptions are. For a lot of stuff I just use pencil and paper. Calculating something by hand will keep you moving faster and require less investment in time."

Because BTU averages for small residential projects aren't readily available, Arkin Tilt measures its work against California's Title 24 energy code, aiming for at least a 60 percent reduction. For energy modeling, the

continued on page 32



PELLA ADVANTAGE

NUMBER 24: ONLY

OUR BRAND NAME IS

MORE DURABLE.

Experience Pella® Impervia® commercial windows and patio doors. They're made from Duracast® — a fiberglass composite that's more durable than aluminum, provides the thermal efficiency of wood, yet is priced competitively with vinyl. Strong solutions that add value to your bottom line.

That's *The Power Of Yellow.*®

Call **866-829-9051**

or visit pellaimpervia.com.



VIEWED TO BE THE BEST.®

practice

architects use DOE-2 software and also ENERGY-10, which is oriented toward smaller buildings. "It's only recently that this issue has penetrated single houses," Johnson says. "A lot of the mechanical systems, such as radiant floors, aren't even included in the software, so we have to hack that. As more residential architects turn to energy software, manufacturers are responding, but they're slow to develop new products." And the fancier 3-D modeling programs aren't necessarily better, he believes. "The simpler programs that simulate your building as a dumb box are faster to use, and I don't think the numbers

are any less accurate," Johnson says. "Plus, if we change anything during construction, the greater accuracy of the model we use in design doesn't pay."

For Arkin, who's been using passive solar strategies since day one of his 11-year-old practice, heeding the 2030 Challenge has meant paying far more attention to the building envelope, selecting the most efficient windows and weather-stripping details, for example. He's also considering monitoring finished projects for a year, using the feedback to fine-tune his specs. "I do think the 2030 Challenge is going to succeed because it's relatively straightforward," he says.

"we think the cost of going carbon-neutral will keep pace with targets as we go out in time. that's also why the targets are staged—to allow time for the cost to drop."

—edward mazria, aia

"You're given a number of ways of accomplishing it, and the tools are out there."

Large firms may find it harder to turn the ship, but they also have more resources at hand. Last fall the international firm Perkins+Will publicly declared its commitment to 2030. Now its green team is working on measuring energy performance across project types. Are they hitting the goals? "In some

cases we are, in some cases not," says Kathy Wardle, LEED AP, associate principal and director of research in the Vancouver, British Columbia, office of Busby Perkins+Will. "Some clients come to us wanting a high-performing building from the get-go; others don't mandate it. We're trying to benchmark and educate on every project, even if clients don't want it, so we know

continued on page 34



why hot is cool

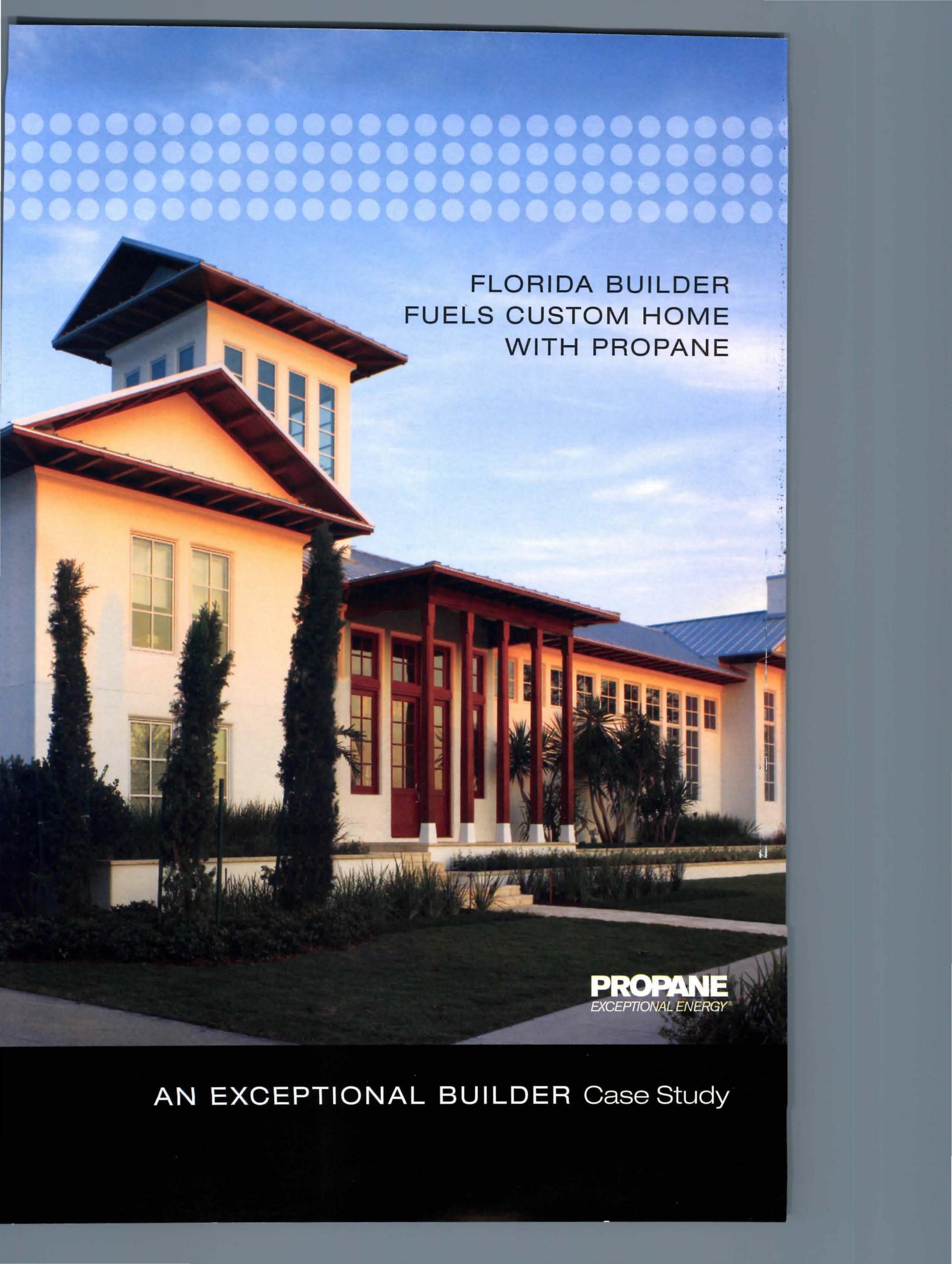


Because it's gas fireplaces made simple & with customizable surrounds. Here, in the home of Boston designer Frank Roop.

Spark Modern Fires' Fire Ribbon is available in a variety of styles including vented, vent free, 3ft, 6ft and See Through. Voted Interior Design Best of Year 2007

www.sparkfires.com p 866.938.3846

Circle no. 204



FLORIDA BUILDER
FUELS CUSTOM HOME
WITH PROPANE

PROPANE
EXCEPTIONAL ENERGY®

AN EXCEPTIONAL BUILDER Case Study



LONG BEFORE they break ground, exceptional builders make sure they know one thing very well: their potential buyers. Those building in the highest end of the housing spectrum, far past the million-dollar threshold, are especially attuned to what affluent buyers want and value in a new, custom home. They set the trends for the rest of the market.

The bottom line for these discriminating buyers is convenience. They expect everything — and that everything will be easy, comfortable, and efficient to support the lifestyle they've earned. They want restaurant-style cooking appliances, ample room for entertaining, indoor and outdoor fireplaces, hot water on demand, and dramatic architectural elements. And, increasingly, they expect those conveniences to leave a smaller carbon footprint on the environment.

For these reasons, builders of custom homes leave nothing to chance, because doing so isn't worth the risk. Or the carrying costs.

AN EXCEPTIONAL HOME.

When builder Charlie Clayton and architect Geoffrey Mouen first envisioned Tradewinds, a 7,300-square-foot custom property located in the exclusive Baldwin Park neighborhood in Orlando, FL, they knew the eventual buyer would expect everything. So they collaborated to create a house where the eventual owners would find no faults or missing pieces — aesthetically or functionally.

Since the neighborhood was off the city's municipal gas main, Clayton chose propane to deliver the convenience and luxury his buyers demand. "It wasn't even a question," Clayton says. "These buyers will accept



Geoffrey Mouen



Charlie Clayton



Barbara Koenig

Today's lifestyles demand **EXCEPTIONAL ENERGY.**



TRADEWINDS HOME

SIZE: 7,300 square feet (conditioned space); 2,000 square feet covered and open outdoor living areas

BUILDER: Charles Clayton Construction, Winter Park, Florida

ARCHITECT: Geoffrey Mouen Architects, Celebration, Florida

INTERIOR DESIGNER: Brown & Deddens Design Studio, Orlando, Florida

SALES AGENCY: New Broad Street Companies, Orlando, Florida

PROPANE INSTALLER AND SERVICE PROVIDER: Heritage Propane, Orlando, Florida

WEB SITE: twshowhome.com

nothing less than the flame of a gas cooktop or the realism of a gas fireplace, so propane was our first and only choice." Since market research showed that Tradewinds would most likely be purchased by a second-home buyer from a large northern city, the choice of propane was even easier. "Northern buyers won't purchase a house without gas-fired appliances, especially at this price," says Barbara Koenig, senior vice president of New Broad Street Companies, the agency commissioned to sell Tradewinds. "They want the performance that propane delivers, from the instant flame for cooking to hot water on demand in the shower."

Propane wasn't the choice just for Tradewinds. Baldwin Park's entire mix of housing types, styles, and price points — ranging from rental apartments to custom luxury homes — relies on propane to deliver efficient, clean-burning energy for supplemental heating and appliances.

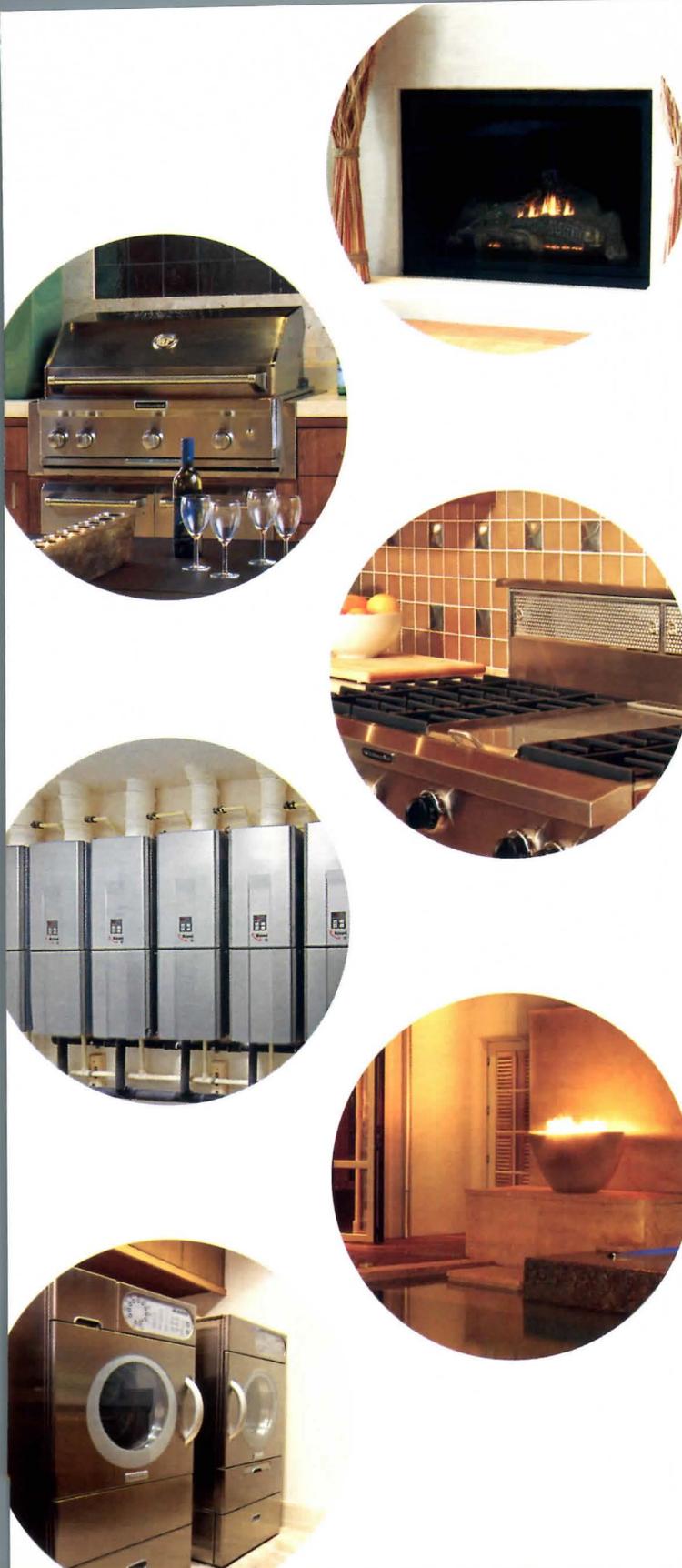
And what if Clayton had gone electric for these applications? Says Koenig: "With all the other things he put into this house to make it convenient and comfortable, a potential buyer would ask, 'What were you thinking?'"

INSTALLING PROPANE. With experience providing propane for cooking appliances, hot water, and multiple fireplaces in other custom homes, Charles Clayton Construction collaborated with its propane subcontractor to bury a 1,000-gallon tank and run the requisite gas piping to serve Tradewinds.

Set within code-mandated setbacks from the property line and house footprint, the underground tank is within 100 feet of the driveway, enabling the service company to easily check and refill it through a flush-mounted irrigation box and cover within the landscape. The tank itself is leased, placing the responsibility of regular service and maintenance on the propane provider — not the homeowner.

PROPANE
EXCEPTIONAL ENERGY®

Want to learn more? Go to buildwithpropane.com.



Tradewinds features several propane-fueled products and systems that enhance the home's comfort, efficiency, and convenience, including:

DIRECT VENT FIREPLACES from Lennox Hearth Products, located in the family room, in the master bedroom, and on an outdoor lakeside porch.

A 48-INCH GRILL AND ROTISSERIE from KitchenAid on the lakeside porch.

A RESTAURANT-STYLE COOKTOP and two extra-capacity wall ovens from KitchenAid in the home's main kitchen.

SIX TANKLESS WATER HEATERS by Rinnai, centrally located in an indoor mechanical room, which provide hot water on demand to the home's main and two secondary kitchens, laundry room, five full bathrooms, and powder room.

CUSTOM-FABRICATED PROPANE FIRE BOWLS flanking the fountain that streams down the side of the house and into the pool within the home's central atrium.

Become an exceptional builder. Provide the convenience and comfort your customers demand. Propane delivers reliable performance, instant response, and efficient operation. For these reasons, you can't afford not to install propane in your next custom home.

- ➔ For more information and to find a propane specialist in your area, visit buildwithpropane.com.
- ➔ To learn about installing propane in your next project, take a continuing education course at ces.pratt.edu.



Propane Education & Research Council
1140 Connecticut Ave. N.W., Suite 1075
Washington, DC 20036

© Propane Education & Research Council 05/08

PROPANE
EXCEPTIONAL ENERGY®



PRC 0082

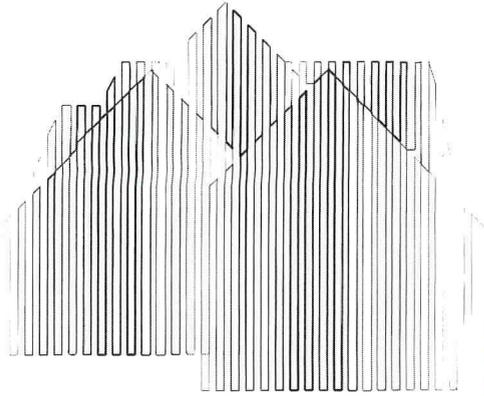
DECEMBER 8-10, 2008

FOUR SEASONS HOTEL AUSTIN
AUSTIN, TEXAS

Reinvention

Designing For The Future

hanley wood



mind the gap

FOCUS ON AFFORDABILITY

The dearly departed housing boom drove budgets and prices for residential design and construction through the roof. Meanwhile, the concepts of value, discipline, and affordability in both the near and long term were lost in the frenzied pursuit of luxury. Without the cloak of unrealistic expectations, what will really prove important and enduring for residential architects and the people they serve?

Attend the fifth annual Reinvention, the only national conference focusing exclusively on the design and practice issues important to residential architects. This year's Reinvention addressed the wide spectrum of how to make high-quality design more meaningful, valuable, and affordable for those of all income levels.

Special Events

- Housing Tour
- 2008 Leadership Awards
- The Congress of Residential Architecture (CORA)



BONUS: Earn up to 15.25 AIA continuing education credits.

Brought to you by

residential
architect

Symposium Sponsor

Andersen AW
WINDOWS • DOORS

Come home to Andersen.™

Premier Sponsor

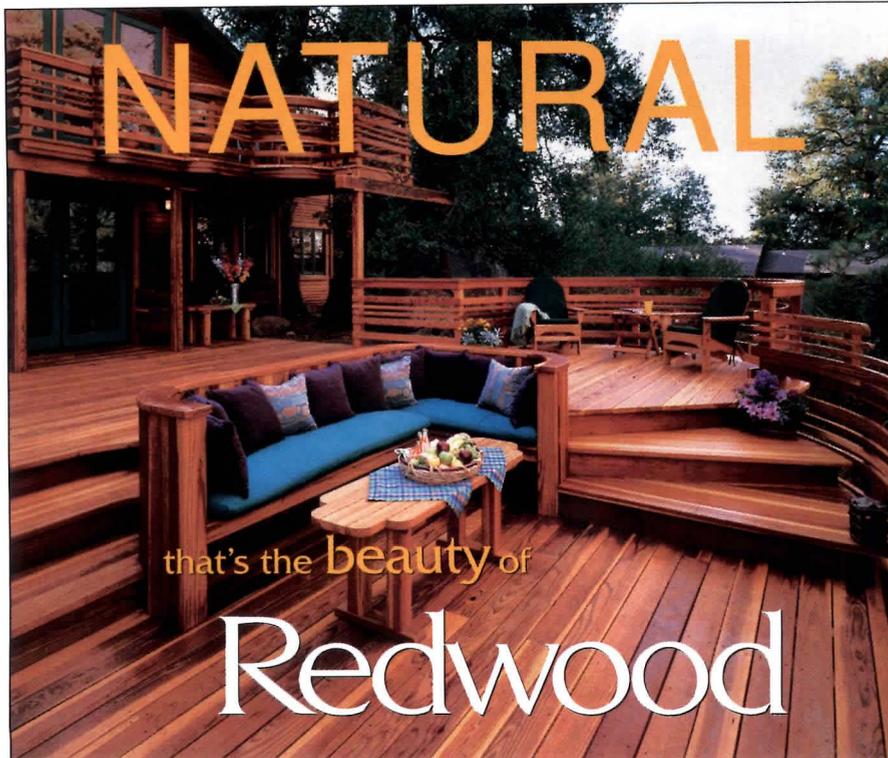


Patron Sponsor

AZEK Building Products

For more information
and to register:

reinventionconf.com



CALIFORNIA
REDWOOD
ASSOCIATION

405 Enfrente Drive
Suite 200
Novato, CA 94949
1-888-Cal-Redwood
www.calredwood.org
info@calredwood.org

Circle no. 40

Redwood. It lives up to the promise of your design. You wouldn't do second rate work, so why would you build with anything but redwood? With its long-lasting, natural beauty, redwood's the first choice for landscape architecture. Other products try to imitate redwood by mimicking its color and its texture, but nothing comes close. Your customers know the difference. There are cost-effective grades of redwood for every project, whether it's a public plaza or a residential garden. With redwood, you can choose from a variety of dimensions, from fence boards to timbers. When you're doing your best work, choose the material that's versatile enough to match your vision. *Choose redwood.*

Download the Redwood Guide.

Project: Scott Padgett, Design/Build
Idylwild, California

practice

where we stand against the 2030 targets.”

Residential developers are Busby Perkins+Will's toughest customers, since they're typically selling what they build. But there is progress. Phase one of Dockside Green, a 100-unit mixed-use project in Victoria, British Columbia, beat the national energy code by 58 percent and is being submitted for LEED Platinum certification. Which brings up another measuring stick: Busby Perkins+Will is trying to decipher how the 2030 targets match up with LEED energy credits. For example, The Vento, a mixed-use project in Calgary, Alberta, qualified for LEED Platinum this year but fell just short of 2030, beating energy code by 47 percent.

So how do LEED buildings fare on 2030? According to Gregory H. Kats, a Washington, D.C.-based LEED consultant and managing director of Good Energies—an international clean-energy venture capital firm with five offices in Europe and North America—a recent study showed that from 2000 to 2008, the average energy use of LEED buildings amounted to about 30 percent below code. Now, however, the point system is being remapped to address core issues weighted more heavily toward climate change, as identified by the National Institute of Standards and Technologies. The shift to that rating is expected to

continued on page 36

fiberglass composite :: hand-crafted quality :: 15-year finish warranty



Atlantic Premium Shutters™ :: Innovation Born from Original Thinking™



We innovate for a living. That's why each Atlantic Premium Shutter is handcrafted using modern materials with old world craftsmanship to deliver the authentic beauty and performance you can rely on when selecting shutters. With your choice of either the Architectural or Classic collection, Atlantic Premium Shutters delivers the most complete line of functional composite shutters in the industry. We innovate for a living and manufacture products that will remain beautiful for years to come. Innovate today.



Innovative Exterior Products™

Circle no. 328

www.theTapcoGroup.com

ROOFING :: SIDING :: SHUTTERS :: SIDING COMPONENTS :: TOOL SYSTEMS :: EGRESS SYSTEMS :: TRIM :: STONE VENEER

practice

result in 40 percent to 50 percent reductions, depending on the level of certification.

Nonetheless, Kats sees the 2030 numbers as just the beginning of a snowball effect. "Methodologically, the 2030 baselines aren't precisely defined," Kats says, adding that, ultimately, it doesn't matter if you're measuring against ASHRAE, CBECS, or something else. "Architecture 2030 is a fantastic initiative and tool, but the latest science suggests that those targets should be moved up. Add to that the declining cost of going green, and there are enormous opportunities. When you see California trying to get residences to net-zero by 2020 and the United Kingdom by 2016, it's clear we need to act aggressively. I think you can cost-effectively get a 50 percent energy reduction in new buildings, but we have to push beyond that and go pretty quickly to net-zero energy."

green sweep

Although green design has been steadily moving from the fringe to the mainstream in the last six years or so, only recently—with prompting from Hurricane Katrina and the documentary film *An Inconvenient Truth*—have we begun to take seriously the predictions of coming catastrophe resulting from global warming and to understand the way the human race is changing the environment. Presented with startling research from Mazria and others, the AIA

adopted 2030 standards in late 2005. Since then—most notably under the leadership of 2007 president RK Stewart, FAIA—it has made sustainability part of its core identity.

Others have joined in too. At Greenbuild 2006, Kats facilitated a closed-door meeting during which the AIA, ASHRAE, and USGBC agreed to collectively take up the 2030 Challenge. He says it's admirable that these organizations have not been territorial about a mandate developed by an outside group. "They were each giving up territory by acknowledging a shared responsibility," he says. "This is a real act of leadership in putting the community ahead of what could be interpreted as narrow self-interest." Last February, the Residential Energy Services Network also announced it would embed the 2030 metrics into its Home Energy Rating System, giving the housing sector a common baseline for achieving the targets.

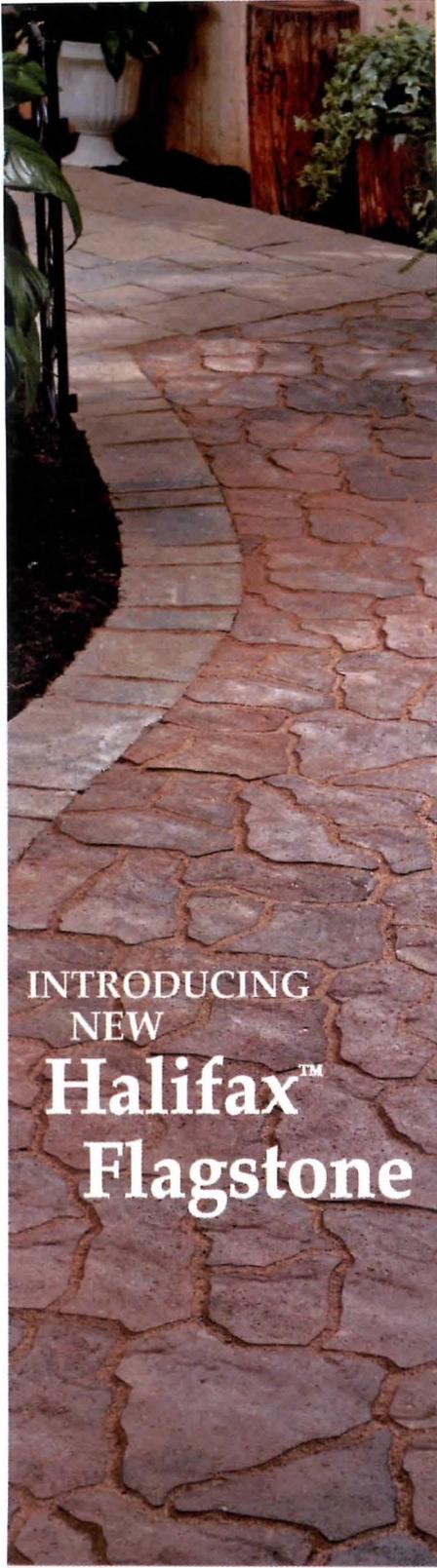
In addition to a smorgasbord of green initiatives and the planned renovation of its Washington, D.C., headquarters to achieve a 60 percent reduction in fossil fuel use by 2012 and carbon neutrality by 2030, the AIA is also greening its awards programs. Katherine Austin, AIA, Sebastopol, Calif., who helped rewrite the calls for entries, says the 2009 programs will reflect the changes. "The AIA is now asking all those who submit

projects to demonstrate with specific metrics how they are meeting the 2030 Challenge," Austin says. "This will be a wake-up call to any member who isn't thinking seriously about this."

She adds, "I want to get away from the awards being this 'monument in the park' idea to relating to the community and city. There's been far too much attention on the 'starchitect' thing. If the big guys want to play, they'll have to be part of this movement. It will be up to the juries, and I really hope they'll follow through."

As a longtime eco-champion and author of *The Passive Solar Energy Book*, Mazria and his message have evolved at a critical moment in history. It's powerful enough to unite professionals from across the building industry. And it's a concept that clients can easily understand. "What's interesting is that our research can bridge a lot of disciplines," he says. "Back in the '70s and '80s, we were leading the charge with passive solar and other energy strategies. Now we've been educating ourselves on both climate change and construction and coming up with ideas that work. We seem to be in the right place at the right time with the kind of information we can bring." **ra**

To learn how universities are responding to the challenge, visit www.residentialarchitect.com.



INTRODUCING
NEW
Halifax™
Flagstone

HANOVER®
Architectural Products
www.hanoverpavers.com
800.426.4242

Circle no. 330

FEENEY 8000
60 YEARS 1948-2008



StaLok®



CableTrellis™



DesignRail™



Lightline®

Easy.

Easy to install.
Easy to maintain.
Easy on the eyes.
Our stainless steel cables are simple to assemble, effortless to maintain, and virtually transparent. And with our special QuickConnect-SS fittings, they're easier than ever to install.

Learn about our entire Feeney Architectural Products line including CableTrellis™ kits, DesignRail™ railing systems, StaLok® rods, and Lightline® door canopies, and see why Feeney has been the easy choice among design and building professionals for over 60 years.



CABLE·RAIL®

Architectural Cable Assemblies

feeneyarchitectural
PRODUCTS

For a free catalog call us at 1-800-888-2418
or visit us online www.feeneyarchitectural.com

Circle no. 379

NEW
HANOVER®
PLANKSTONE™



Hanover® PlankStone™ creates the look of traditional wood board decking.

HANOVER®
Architectural Products
www.hanoverpavers.com
800.426.4242

Circle no. 250

CREATE A LASTING IMPRESSION
ON YOUR NEXT PORCH PROJECT



CorrectPorch is a historically accurate tongue and groove composite porch board that creates a lasting impression. Our low-maintenance porch flooring offers an authentic look that is environmentally friendly, yet so durable that it will last for generations.

To find out more, visit us at
www.CorrectPorch.com

CorrectPorch™

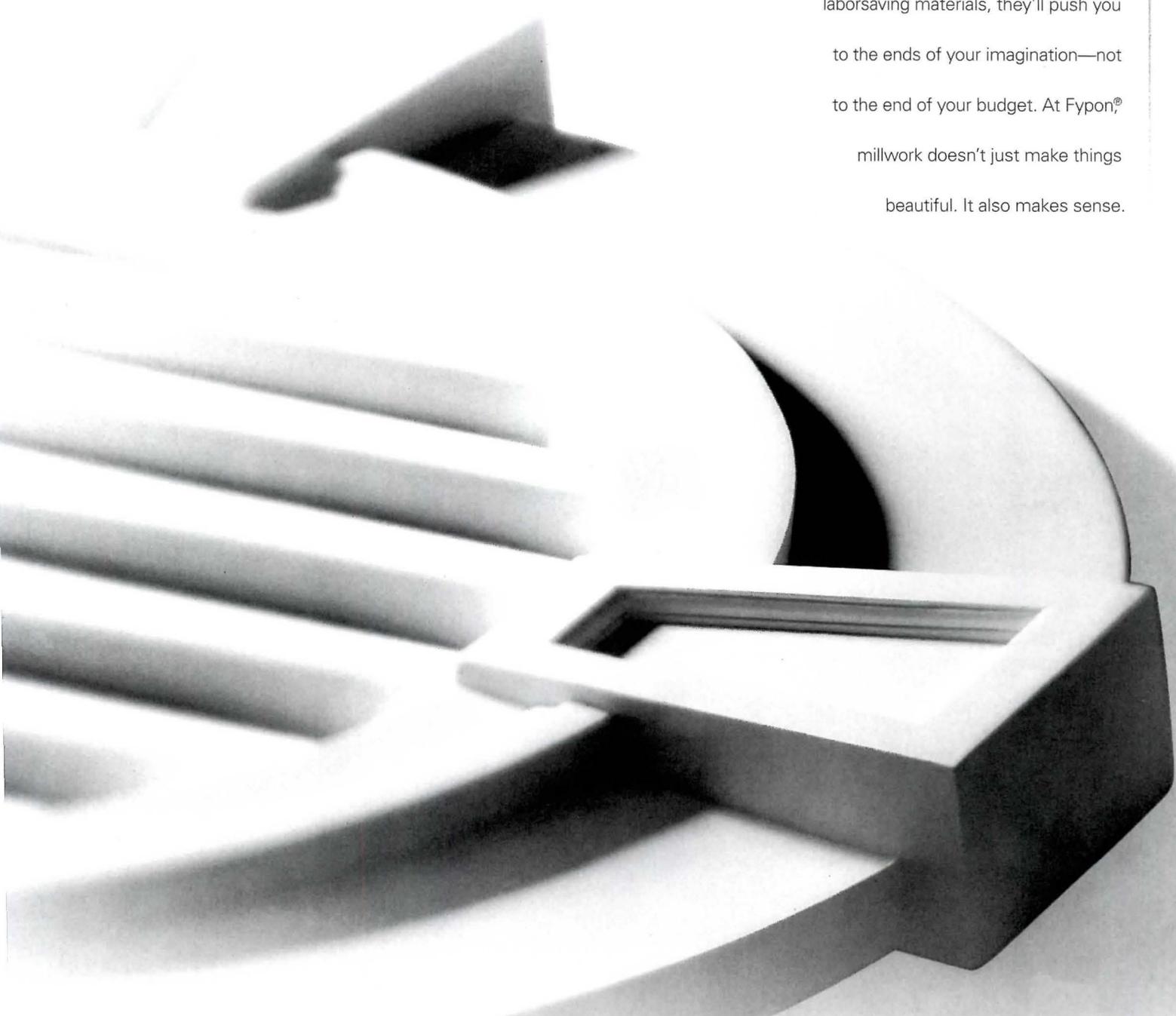
TRADITIONAL BEAUTY. BUILT FOR LIFE.

Circle no. 358

Our 6,000-plus decorative synthetic
millwork products deliver sharp, crisp,

FINALLY. MILLWORK THAT LOOKS GOOD ON PAPER.

lasting details. Cast in lightweight,
laborsaving materials, they'll push you
to the ends of your imagination—not
to the end of your budget. At Fypon®,
millwork doesn't just make things
beautiful. It also makes sense.



FYPON

www.specifypon.com • 800.446.3040

To schedule a consultation, call our toll free number or visit
our website for more information.

Circle no. 84



Photos: Courtesy Messana O'Rorke Architects (top);
William Abranowicz (above and right)

articulating *the* minimal

brian messana
and toby o'rorke
do more to
express less.
by cheryl weber

It's oddly fitting that Brian Messana, AIA, and Toby O'Rorke, RIBA, share the ninth floor of their Manhattan office building with costume designers who outfit Broadway actors. Stepping off the elevator into a dim foyer furnished like a Bohemian stage set, one is unprepared for the bright, orderly space behind the door to the left. The Messana O'Rorke office contains the light-handed magic that modernist architects routinely use to manipulate space. Translucent Plexiglass panels, screwed to a poplar frame, provide a vestibule, and overhead a 4-foot-wide stainless steel box runs through the office, creating the illusion of length. In the workspace of two architects who worship Benjamin Moore Bright White, a red Jens Risom chair supplies the only spot of color.

The juxtaposition may as well be a metaphor for the eclectic backgrounds that Messana and O'Rorke bring to their architecture. Messana, a native of Malibu, Calif., was a self-described pack rat until high school, when he suddenly jettisoned his matchbook and postcard collections, stripped the carpet and wood paneling from his room, and painted the walls white. "It wasn't so much about minimalism as just a point in my life where I shifted from wanting to collect to wanting to be as lightweight as possible," he says. Scottish-born O'Rorke has dabbled in furniture, costume, and product design, and took a break from architecture studies to work at a postmodernist firm in Sydney, Australia. "We were putting pyramids and domes on things," he says. "But my interest at the moment was in the detailing of it, how they put it together, and how one could then articulate it to make it minimal."

The pair has been practicing the art of minimalism since opening for business in 1996. They've developed a keen eye for the calming qualities of space and light, and a reputation for quiet, nuanced innovation.

Their work is all about paring a program down to its essence—some might even call it austere. While it's true that their Zen-like aesthetic of light-flooded planes and a limited material palette photographs beautifully, closer study reveals a soothing, user-friendly logic behind the abstract effect. What these deceptively simple parts add up to, especially in the city, is a mind-clearing sanctuary where clients can decompress at the end of the day. But O'Rorke insists that their intent isn't to dictate a Spartan lifestyle. "We want the architecture to make any options possible for furnishings and the way the clients live," he says.



Paul Taggart/WpN

Brian Messana and Toby O'Rorke (above, from left) preserved the simple form of an 18th-century Dutch homestead in Columbia County, N.Y. (opposite, top). A Cor-Ten addition, inspired by rural trailer homes, contains kitchen, guest bedroom, and shower. Downstairs, the exercise room—with sauna and steam room— beholds the apple orchard.

articulating *the* minimal



The architects excel at creating peaceful respites amid harsh urban conditions, like this former storefront on the East Village fringe. A barely-there kitchen is tucked into white lacquered cabinets, and high windows admit southern light while editing unwanted views.

Photos: Elizabeth Felicella Photography



Messana and O'Rorke's trademark white walls allow furnishings, finishes, and artwork to take center stage. The spiral stair leads to the rooftop, where an old water tank has been turned into an oculus-topped retreat.

retail to residential

Messana and O'Rorke first crossed paths in the late 1980s at Virginia Tech's Alexandria campus, where both were enrolled in a six-month exchange program. Messana was in his final year of graduate studies at the California Polytechnic State University, San Luis Obispo. O'Rorke was finishing up post-graduate studies at Oxford Polytechnic (now Oxford Brookes University) in England. After school, both men moved to New York City, where they did stints at other firms—Messana with Richard Meier & Partners Architects, and O'Rorke in the offices of Margaret Helfand; Henry Myerberg, AIA; and Thierry W. Despont. Just before co-founding the practice, O'Rorke also worked at the Ralph Lauren flagship store in a mansion on Madison Avenue and 72nd Street, designing traditionally paneled rooms to showcase the clothing launches. Looking back, he says that his time at Ralph Lauren taught him how cabinetry is manufactured, and how it could be reworked to achieve stripped-down perfection.

The partners often use built-in storage containers to define space and choreograph the passage through a house—an approach they refined in their early work on retail design. They landed their first commission through Messana's former colleague at Meier's office, who had taken a job as assistant to the creative director at Donna Karan New York (DKNY). The project—the interior renovation of a four-story building in Santiago, Chile—led to 18 more DKNY showrooms on three continents. Breaking into the residential market was tougher. “We had a lot of potential clients who liked our work, but no one who was willing to give us the opportunity to produce our first residences,” Messana says. The foot in the door came from a friend, who granted them creative freedom to design her New York apartment in exchange for waiving the fee. After the project appeared in several widely circulated magazines, the house calls kept coming.

Residential clients, of course, bring a different set of challenges, and what invariably stifles the partners' creativity is too much program. A list of functional specifics is a necessary starting point, but it in no way defines the design. “Some people start looking at what their friends have and are inflexible about having dual-purpose spaces,” O'Rorke says. “What we do is intuitive. I can't create something when so much is going on.” Messana puts it slightly differently: “Our process is to understand all the components and how to manage them. It doesn't feel like we have to cut the scope down, because we like to tighten things up.”

From there, the meticulous fine-tuning involves figuring out how to make mundane objects like air vents and smoke detectors disappear. One afternoon last spring, O'Rorke spent two hours placing thermostats



articulating *the* minimal



A prewar Greenwich Village apartment was pared to white walls and ebony-stained floors. An etched glass pocket door hides the kitchen as needed.



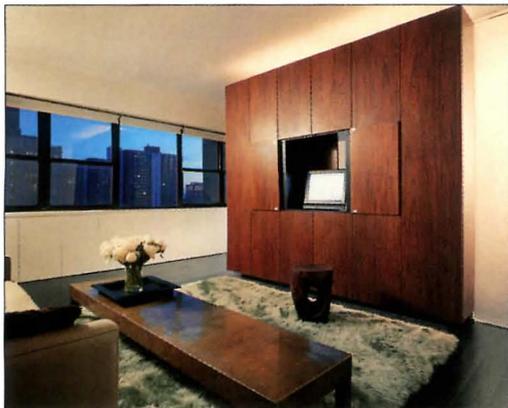
Photos: Elizabeth Felicella Photography

in a house. “If you’re doing minimalist architecture, the focus turns to this functional thing if it’s been put in a spot where you have to look at it,” he says. “There are all these layers, which you can easily let go of and end up with a space that’s much less pleasant to be in.”

light box

Those who hire Messana O’Rorke Architects are drawn to that purity and rigor. One client, Michael Jones, had planned to buy a loft but settled instead on a prewar Greenwich Village apartment. It was tired-looking but had good bones, and he was looking for something “high-quality, clean, and considered” in the renovation. “I wasn’t sure I’d be able to get to the spareness I really wanted, but they helped me get there,” Jones says. The new dwelling is both serene and visually surprising, with dark-stained wood floors, pure white walls stripped of trim, a white marble bathroom, and white lacquered cabinets. The architecture becomes a container for the texturally rich furnishings and a pristine backdrop tuned to the subtle and changing light. “Color creates atmospheres and moods you may not want 24/7, whereas bright white shows the form,” O’Rorke says. “And shadows change color constantly.”

A 520-square-foot “mini-loft” uses storage to separate public and private realms. A teak divider stows the TV while preserving views, and lacquer cabinets under windows promote the illusion of length.



Messana and O’Rorke have only recently begun to break free of the limbo between architecture and interior design that many urban architects experience. For a while, interior designers didn’t think of them as interior designers, and architects didn’t think of them as architects. Now that they’ve completed several ground-up projects, their goal is to see their ideas realized on increasingly larger scales. But they’re not stressed out about how to get there. “At the moment our work feels good,” Messana says. “We’re doing what we like to do.” **ra**



Green.



The new color of home audio.

The Essentia E6G from NuVo is the perfect complement to any home.

Designed for form, function, and efficiency, the Essentia E6G is the first whole home audio system to earn the ENERGY STAR®.

The new Control Pad with album feedback makes it easier than ever to operate and is an elegant, affordable solution to integrate audio into the home.



NuVo's signature crisp, pure sound is as fresh as it gets.

www.nuvotechnologies.com
1.866.796.4904

Circle no. 346

NUVO®

The Sound of LiVing.

Audio Distribution Systems • Amplifiers • Speakers • Audio Servers • NuVoDocks for iPod® • Tuners

inside story

second take

When San Francisco-based architect Craig Steely and his artist wife, Cathy Liu, bought this early 1900s Victorian building 14 years ago, it retained few original details. Because Steely was in the nascent stages of his career, his subsequent remodel of the two-unit house was done “on a shoestring budget,” he says. “We refinshed the existing subfloor, I built my own cabinets, and I reused some old salvaged materials that came out of other clients’ projects.”

Today the well-established Steely Architecture is known for elegant modernist custom homes and loft conversions, so when the architect needed more room for his growing family and a bigger office for his burgeoning practice, he decided to stay put in his Duboce Triangle neighborhood and to renovate the building with finer finishes. “I wanted the house to reflect my work,” he says.

The existing building consisted of a ground-floor garage, a first-floor rental unit, and a second-floor flat for Steely’s family. The rental unit remains, but Steely and staffers Luigi Silverman, Seth Pare-Mayer, and Norberto Melendez opened up the second level, setting aside 600 square feet for a street-facing office and tucking two bedrooms and a bath to the rear. The team added a third level for the kitchen/living/dining area and a south-facing deck and sod patch. Now the entry staircase from downstairs leads to the second floor, where frosted glass panels separate the small foyer from the office and a large street-facing window brings precious light to four workstations.

These new interiors showcase a lush palette of materials that express Steely’s sophisticated sensibilities. The kitchen cabinets have book-

matched zebra wood veneers; ipe wood covers all the floors and deck; the bath vanity is made from ebony veneers; and countertops throughout are CaesarStone quartz in “Blizzard” white.

Steely used a fair amount of space for the deck and admits that he could have made the rooms bigger, but he says the reorganized, smaller interiors are more flexible. The job, he adds, “was a commitment to quality of space rather than quantity of space.”—*n.f.m.*

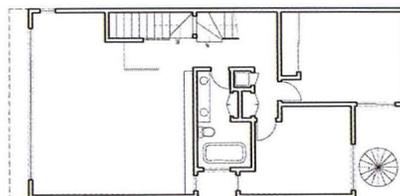
*when architects
take on interiors,
a whole new world
opens within.*



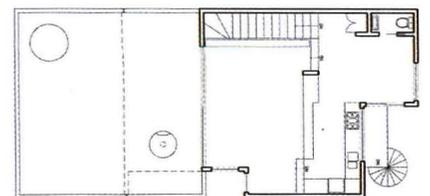
A 22-foot window draws light into the second-floor office, and frosted glass creates privacy. Craig Steely used a ukulele maker for the kitchen cabinets and carved outdoor space from the third level.



by nigel f. maynard,
meghan drueding,
and shelley d. hutchins



first floor



second floor

project: Beaver Street Reprise, San Francisco

architect/general contractor: Steely Architecture, San Francisco

project size: 1,537 square feet

construction cost: Withheld

photography: Rien van Rijthoven

inside story

guiding light

The problem of bringing natural light into spaces that lack it has vexed architects for centuries. Katherine Chia, AIA, and Arjun Desai came up with a smart, modern alternative when designing the conversion of this New York City loft from a commercial warehouse space to a residential one. "The space was dark and cavelike," Chia says. "We thought, What can we do to really punch light through it?"

With the support of their clients, actor/film producer/restaurateur Bershaw Shaw and her publicity-shy partner, Chia and Desai decided to design a light source of their own. They and lighting consultant Christine Sciulli created a series of 8-foot-tall, translucent plastic light boxes that delineate different rooms within the 4,000-square-foot unit. The boxes act as walls, with

the added benefit of transmitting light and shadows. "We wanted to activate the space, but in a really subtle way," Chia says. Plywood uprights divide the light boxes into vertical strips, while clear resin shelves inserted periodically provide nooks for storage and display. To keep costs and waste down, each piece of the light boxes was prefabricated using Computer Numerical Control (CNC) milling and laser cutting, then assembled at the contractor's shop and transported to the site.

Chia and Desai applied a similar level of inventiveness and care to the rest of the loft. They placed the two large public spaces—the kitchen/dining/living room and the library—in diagonal corners to establish a dynamic spatial connection. Inspired by the paintings of Mark Rothko and the early sculptures of Anish Kapoor,

they sparingly deployed bold, saturated blocks of color to highlight individual walls. And they tied the entire project together using existing items: large round columns, ceiling beams, and an exposed sprinkler system. "The original bones were worth calling out as details," Chia explains.—*m.d.*

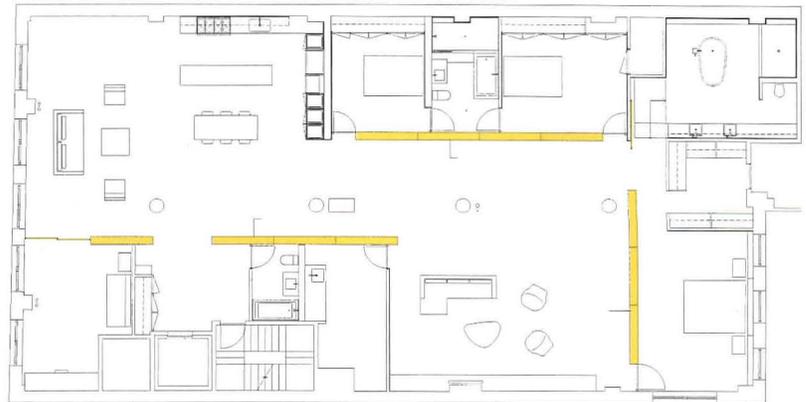


project: Light Box Loft,
New York City

architect: Desai/Chia
Architecture, New York City
general contractor: Kane
Contracting, New York City
mechanical engineer:
Rodkin Cardinale Consulting
Engineers, New York City

lighting consultant:
Christine Sciulli Light +
Design, New York City
project size: 4,000 square feet
construction cost: Withheld
photography: Paul Warchol
Photography





Desai/Chia juxtaposed movable, clear resin shelves against the loft's translucent, downlit walls. The two main public areas sit catty-corner to one another, ensuring a smooth flow of space throughout the apartment.

inside story

the great divide

To add walls or not to add walls? That was the question Elizabeth Whittaker, Assoc. AIA, faced when renovating this Boston loft. Her client wanted to keep the wide-open spaces and exposed terra-cotta brick ceiling, but he was looking for a modicum of organization and privacy. Glass was the solution.

"We put the bedroom in the corner and wrapped it in glass," explains Whittaker, principal of Merge Architects. The translucent walls create distinct public quadrants outside the bedroom without physically dividing up the rest of the 1,400 square feet of space. Late in the day, the glass begins to take on a more reflective quality, becoming nearly opaque. And after dark, it morphs into an art piece as it mirrors the neighboring bus terminal's electronic sign. "It was such a small move," Whittaker says, "but it completely changed and transformed the space."

A section of solid wall within the glass blocks the bed from view and contains a gas fireplace and art niche for the living/dining space. Above the fireplace wall, three large transom windows allow air to flow freely between the living area and bedroom. They also allow both rooms to share the single existing register for heating and cooling. Along the bedroom's short axis, a sliding glass door within a glass wall opens to the owner's corner office niche.

"When you do interiors, it's always about the materials," Whittaker says, "and we love to research new materials." The firm's exciting find on this project was COR engineered wood. The wood's uniform grain gives it a clean look, and the enhanced structural stability was ideal

for 11-foot, floor-to-ceiling spans. Fine engineering is not only in the wood, however. The frameless glass panels are supported by custom-designed and -fabricated hardware that Whittaker says "gives the glass presence without creating a traditional wall."—*s.d.h.*



project: Quadrant Loft, Boston

architect: Merge Architects, Boston

general contractor: Harpy Eagle Remodeling, Malden, Mass.

metal fabricator: Magma Metalworks, Beverly, Mass.

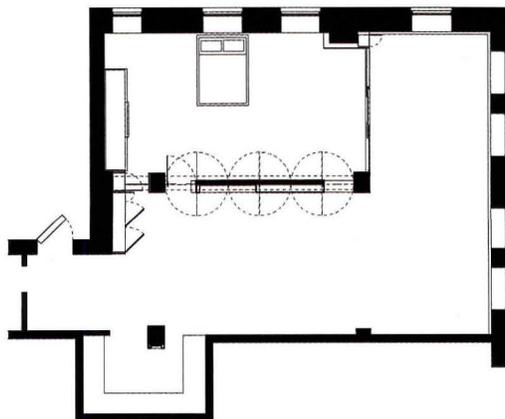
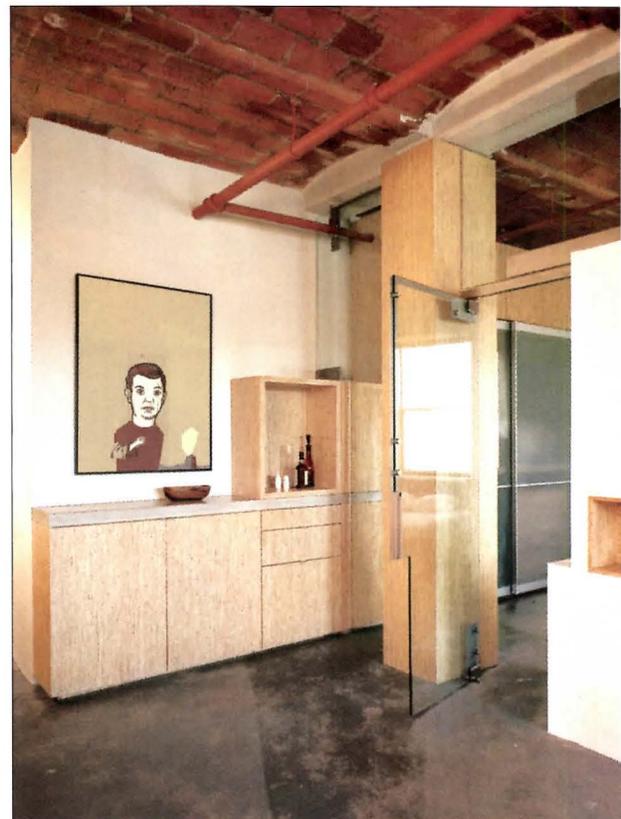
cabinetmaker: Dana Teifert, Boston

project size: 1,400 square feet

construction cost: \$133 per square foot

photography: Anton Grassl/Esto





COR engineered wood wraps existing columns and reappears as built-in storage, segueing from bedroom closet to living room bar. Its blond tones provide a warm foil for cool glass walls.



Beautiful,
yes.

Green,
of course.



Solutions for green design.

Delta Faucet is your source for smart water delivery solutions. As a WaterSense® partner, Delta is committed to encouraging efficient use of water resources. Most Delta lavatory faucets flow at a maximum of 1.5 gpm, resulting in up to a 30% water savings*.

Select the Dryden™ Bath Collection and other water-efficient products from Delta. Making every drop count.™

deltafaucet.com/green

Circle no. 370



thanks, but no tanks

the case for on-demand, tank-free water heaters.

by nigel f. maynard

The Partnership for Advancing Technology in Housing (PATH) is a HUD-funded program whose goal, in part, is improving the energy efficiency of houses. So when PATH decided to build its first concept home to showcase its mission, it picked the best building technologies available, including insulated concrete forms, metal roofing, and spray foam insulation. For hot water needs, PATH rejected a traditional heater in favor of an on-demand tankless system.

According to the Office of Energy Efficiency and Renewable Energy at the U.S. Department of Energy (DOE), water heating is the third-largest expense in most homes, after conditioning the interior and operating major appliances. Because this accounts for 14 percent to 25 percent of the home's expenses, more building professionals are exploring alternatives to traditional hot water tanks. Their focus is squarely on tankless.

Unlike a traditional tank, which heats a reservoir of water 24 hours a day, an on-demand unit activates only as needed. When a hot water faucet is turned on, for example, cold water travels

through a pipe into the unit, where a gas burner or electric element then heats the water. Louisville, Ky.-based manufacturer GE Consumer & Industrial estimates that a tankless device trims water heating costs by as much as 25 percent annually, compared with a standard 40-gallon tank. "Those savings are a result of eliminating standby losses—the energy lost from warmed water sitting in a tank," the company explains.

The benefits of tankless heaters extend beyond the pocketbook, however. They can deliver a continuous supply of water at a preset temperature, and manufacturers say a properly sized unit will supply hot water to multiple sources simultaneously. DOE reports that typical on-demand units provide hot water at a rate of 2 gallons to 5 gallons per minute, with gas-fired heaters producing higher flow rates than electric units. A traditional tank may run out of hot water, but a tankless unit, if pushed past its limit, will deliver hot water at the preset temperature (albeit at a reduced flow rate).



Photos: Courtesy Rinnai America Corp.

Homeowners can use Rinnai controllers (above) to view and adjust the company's tankless water heaters (right) from inside the house.

A tankless unit also offers a design benefit to architects hoping to maximize space in a mechanical room. Such systems are often no bigger than a small suitcase and are usually installed on an inside wall or on the outside of the house.

tanks a lot

Tankless has become popular in recent years thanks, in part, to the green building movement and the push toward energy efficiency. In fact, Bob Hitchner, director of tankless sales in the Montgomery, Ala., office of Rheem Manufacturing Co., says the industry sold roughly 327,000 units in 2007—a 29 percent increase over the previous year. "A few years ago



people viewed tankless as experimental, even though it's a proven technology that has been around awhile," he says. "But we have gone beyond the experimental stage now."

Hitchner says wider acceptance of tankless products is directly related to recent enhancements that have made the technology more palpable. Although tankless technology dates to the 1950s, "the big improvement came in the early '90s with electronic

continued on page 54

controls," he explains. "Before, the units were mechanically driven based on the movement of the water." Now, electronics read the temperature and flow of the water and calculate how fast and how high to heat it. The improvement, he adds, has led to a much more reliable product.

Architects seem to agree. Heidi Richardson, principal of Richardson Architects in Mill Valley, Calif., says she specs tankless water heaters "almost exclusively" because "they work really well, and they lower energy bills." Michael Rosner Blatt, principal of Los Angeles-based Fung + Blatt Architects, is also a fan. "We've been using tankless exclusively for the last five years," he acknowledges. "We also have one in our house." He says today's consumers seem to be better educated about the technology, noting that "a lot of clients ask us about it up front" and that "no one [now using it] has called back to complain."

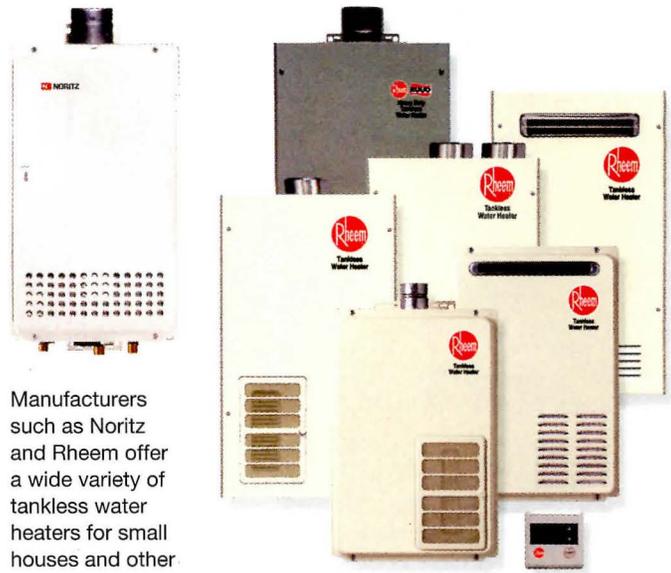
A new generation of tankless units with added features could propel tankless to even greater acceptance. Rheem, for example, recently unveiled a 7.4-gallons-per-minute direct vent gas unit that draws makeup combustion air directly from outside rather than from inside the house, leading to better indoor air quality. Fountain Valley, Calif.-based Noritz America Corp. introduced the 531 series of compact units for apartments, condos, and

townhouses. West Hatfield, Mass.-based Stiebel Eltron has upgraded its whole-house Tempra electric line with advanced microprocessor controls that eliminate water temperature deviations. And Peachtree City, Ga.-based Rinnai America Corp. has an LS Series that features a commercial-grade heat exchanger, enabling architects to specify the products for domestic hot water alone or for hot water *and* space heating. Other worthy offerings include products from Takagi Industrial Co. USA in Irvine, Calif.; Bosch USA in Farmington Hills, Mich.; GE; and Monitor Products in Princeton, N.J.

less is more?

While a tankless heater may seem like a no-brainer, specing one requires consideration of a host of issues. Rheem, which claims to be the only manufacturer offering traditional and tankless units, recently launched SmarterHotWater.com as a tool for professionals interested in going tankless. "Being water heater-agnostic makes [us] a credible resource to help professionals sort out the claims and counterclaims about tank and tankless water heaters," Hitchner said in a release announcing the site.

Among other things, architects should know that on-demand units cost twice as much as traditional tanks. Additionally, installation can get expensive in a retrofit situation. Replacing a tank heater with a similar unit



Manufacturers such as Noritz and Rheem offer a wide variety of tankless water heaters for small houses and other types of specialized situations.

can run \$500 to \$800, but replacing a tank with a tankless product will cost up to \$3,000, the site says. There's little difference in cost for new-construction installs.

Architects should also consider fuel type. A gas-fired tank, for example, is ideal for whole-house use. The American Council for an Energy-Efficient Economy, a nonprofit advocacy group in Washington, D.C., also says gas-fired is more energy-efficient. Electric, on the other hand, is less effective in whole-house applications and, according to James Facer, a regional sales manager for Noritz America, better-suited to point-of-use applications such as a dedicated faucet. "The cost of operation [for an electric unit] is also higher," he adds.

Richardson acknowledges that neither technology is perfect. "There is one drawback to tankless units: they need to be in a central location of the home," she says. "But that goes for traditional hot water tanks,

too, so it's not really a big deal." Indeed. As much as possible, you'll want to shorten the water lines from the unit to the delivery point for better efficiency.

DOE describes an efficient setup as one in which the hot water uses are relatively close together, with short hot water lines between them. "One of the major costs in installation is the price of the vent," Hitchner explains. You can reduce venting costs by locating the unit for the shortest runs, he says, adding that installing the unit outside is cheapest. Blatt says his firm does, in fact, favor a direct vent unit mounted on the exterior of the house.

Still, remember that even a large gas-fired unit can't supply enough hot water for multiple simultaneous uses in large houses. In those cases, multiple units work well—especially if they're set for dedicated areas that use a lot of hot water. Says Blatt, "Multiple smaller units are always better than one big unit." ra

authentic stone textures :: 41 color options :: industry leading warranty



StoneCraft™ :: Innovation Born from Original Thinking™



We innovate for a living. That's why StoneCraft delivers optimum performance and style that you can rely on when specifying exterior stone veneer that captures the classic shapes of stone. With 9 profiles in 41 different colors find out why StoneCraft is fast becoming the exterior stone veneer of choice for the most discerning Architect. We innovate for a living and manufacture products that will work hard for years to come. Innovate today.



Innovative Exterior Products™

Circle no. 348

www.TheTapcoGroup.com

ROOFING :: SIDING :: SHUTTERS :: SIDING COMPONENTS :: TOOL SYSTEMS :: EGRESS SYSTEMS :: TRIM :: **STONE VENEER**



Hanley Wood is pleased to be an American Institute of Architects Continuing Education Service Provider (AIA CES).

For a complete list of available courses, course details and access to the FREE online exam, go to:

ARCHITECT

CONTINUING EDUCATION

www.architectmagazine.com

- Select "Resources"
- Select "Continuing Education Center"

residential architect

CONTINUING EDUCATION

www.ResidentialArchitect.com

- Select "Continuing Education"

AL

architectural lighting

CONTINUING EDUCATION

www.ArchLighting.com

- Select "Industry"
- Select "Continuing Education Center"

ARCHITECTCES

www.architectces.com

HANLEY WOOD UNIVERSITY

OFFERS FREE CONTINUING EDUCATION COURSES

Meet AIA Requirements Online, Anytime!

Welcome to Hanley Wood University, our continuing education program.

This free program—both in print and online—has been developed to help architects meet the AIA's annual 18-credit continuing education requirements. Throughout the year, participating magazines will provide full course materials either online or in print. These materials can be accessed by either visiting the individual magazine's web sites and following the links (see sidebar for information), or by visiting the centralized portal at www.architectces.com.

Hanley Wood University is a turnkey program designed for architects to gain access to the information they need, at their convenience, whether at home or in the office.

Many companies who market products to architects have developed AIA-registered courses within a broad array of subject areas. Whether in print or online, architects can use these sponsored course materials and online postings to gain the background necessary to successfully complete the AIA exam, which can be taken online.

Look for more AIA-registered course materials throughout the year. Current course materials can be found online from the following companies. For more information, contact Jennifer Pearce at jpearce@hanleywood.com or 202.736.3447.



architects' choice

product picks from the pros.

swatt
architects



Courtesy Swatt Architects

robert m. swatt, faia
emeryville, calif.

www.swattarchitects.com



log off

In lieu of traditional wood or gas fireplaces, Swatt chooses Spark Modern Fires' Fire Ribbon, which can be outfitted with glass, lava rocks, or basalt stone. Direct vent and vent-free models boast energy efficiencies of 80 percent to 95 percent and can be manufactured in various sizes. Spark Modern Fires, 866.938.3846; www.sparkfires.com.

lighten up

Using a lightweight, cement-based composite, Concreteworks Studio crafts a wide variety of custom products, but Swatt turns to the Oakland, Calif., firm for bathtubs and countertops. For one project, he says, "we embedded fiber optics into the



concrete"—a custom touch that's "invisible" during the day, yet glows like the

galaxy at night." Concreteworks Studio, 510.534.7141; www.concreteworks.com.



Cesar Rubio

solid opening

To promote "continuity from interior to exterior," Swatt specs large aluminum openings from Fleetwood, as he did on this home. The products are manufactured with standard features such as a 4½-inch frame, multipoint locks, and continuous weather stripping. Four standard colors, plus custom hues, are available. Fleetwood Windows & Doors, 800.736.7363; www.fleetwoodusa.com.

—nigel f. maynard



LUXURY COMES STANDARD

JUST ADD WATER

In a SwimEx Luxury Pool or Spa you can relax, exercise, even entertain in your own heated pool without the expense, maintenance or space of a full-sized pool. SwimEx is beyond the ordinary lap pool, it is a complete workout station. Ruggedly constructed and exquisitely detailed, SwimEx pools add value and enhance the beauty of your home.



CALL 800-877-7946 FOR A FREE HOME POOL DVD OR VISIT WWW.SWIMEX.COM

Circle no. 316

You design the dream.
We provide the comfort.
Guaranteed.

Discover our interactive house at
www.unicosystem.com/iah



The Unico System®

Small-Duct Central Heating
& Air Conditioning

800-527-0896

Circle no. 54

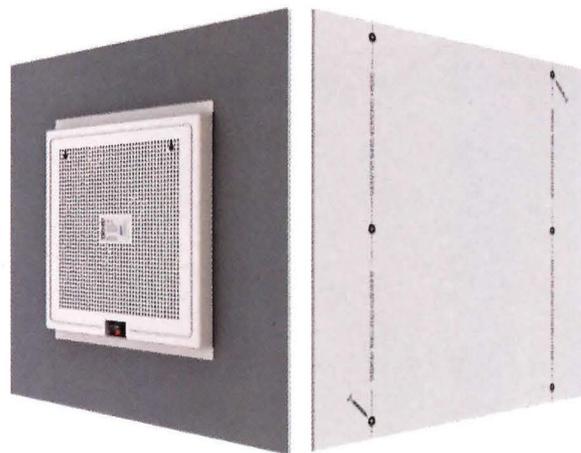


new material

by nigel f. maynard and shelley d. hutchins

house speaker

Speakers should be heard and not seen, but in this age of home theaters, media rooms, and whole-house audio, that's easier said than done. Custom home clients, it turns out, want their MTV and VH1—even if they come with visible grills and obtrusive black wires. Appleton, Wis.-based Acoustic Ceiling Products has inverted the old paradigm, however, with the Onsia concealed-speaker system. Each flat-panel speaker plate screws into wall studs and finishes like regular drywall. Unlike conventional speakers, which emit sound via single-band pulses from conventional cone diaphragms, Onsia generates sound through the stimulation of the entire panel surface, creating hundreds of simultaneous nonlinear vibrations that, in effect, turn an entire wall into a sound source. Acoustic Ceiling Products, 800.434.3750; www.onsiaideas.com.



modern medley

Franke has combined work surfaces of tempered glass with stainless steel bowls for hip, easy-to-clean kitchen sinks. The glass—available in seafoam or black—is lightly textured for a nonslip grip, and a subtle slope in its surface allows for quick drainage. The 18-gauge steel bowls come in single or double configurations with accessories such as integrated cutting boards and colanders. Franke Consumer Products, 800.626.5771; www.frankeusa.com.

good outlet

The shower drain need not be an afterthought. With California Faucets' StyleDrain, it becomes yet another opportunity for design expression. Available in two styles and 30 finishes, the drain has no visible screws and sports a square shape to make tiling jobs easier.

California Faucets,
800.822.8855;
www.calfaucets.com.

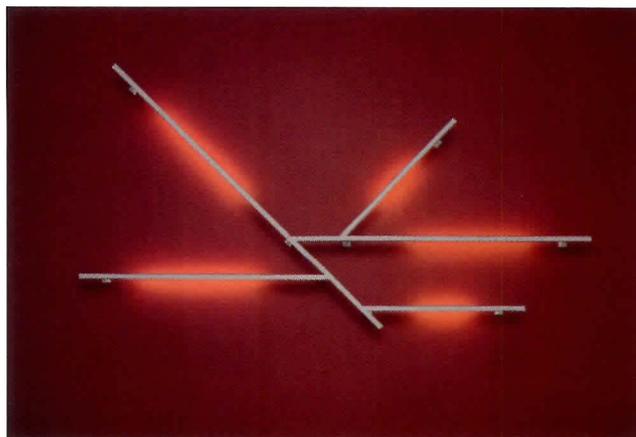


continued on page 60



edwardian dandy

English luxury brand Czech & Speake created the Edwardian Furniture Collection to complement its period bath faucets and accessories of similar design. The vanity shown here is handmade from sustainably grown mahogany with “flame” mahogany panels. Treated to withstand moisture, the 44-inch-wide unit has eight drawers and a center cupboard housing an English ticking laundry bag. The basin, faucet, and marble top are sold separately. Czech & Speake, 800.774.1181; www.czechandspeake.com.



kao factor

Add illuminated drama to walls or ceilings with the Kao light sculpture. Designed by Bruno Houssin for Artemide, the aluminum fixture has linear forms that cast an ambient glow projecting about 1½ inches from its mounted surface. Kao is wired for 24-watt and 54-watt fluorescent bulbs, making it an energy-efficient choice for low-light spaces such as foyers and corridors. A clear polycarbonate dust cover protects the bulb. Artemide U.S.A., 631.694.9292; www.artemide.us.



keys to the castle

Julia Morgan’s iconic architecture for the renowned Hearst estate inspired Soko’s Hearst Castle Collection of hardware. Knobs, pulls, hooks, and towel bars are currently available, with more accessories coming soon. Pieces are manufactured from stainless steel or bronze in nearly a dozen finishes, including natural, mink, and black. Soko’s founder, artist Cari Jaye Sokoloff, is also creating limited-edition designs to commemorate Hearst Castle’s 50th anniversary as a state park. Soko, 888.828.7656; www.sokostudio.com.

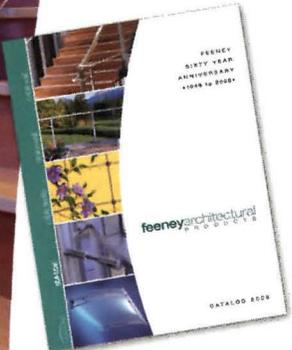
FOR MORE PRODUCT INFORMATION, VISIT WWW.RESIDENTIALARCHITECT.COM OR EBUILD.COM, HANLEY WOOD’S INTERACTIVE PRODUCT CATALOG.

60 YEARS 1948-2008



Free

Our new 60th Anniversary Catalog is free and comes filled with photos and complete details on all of our Feeney Architectural Products: CableRail™ cable assemblies, DesignRail™ railing systems, CableTrellis™ kits, StaLok® rods, and Lightline® canopies. Just give us a call, 1-800-888-2418.



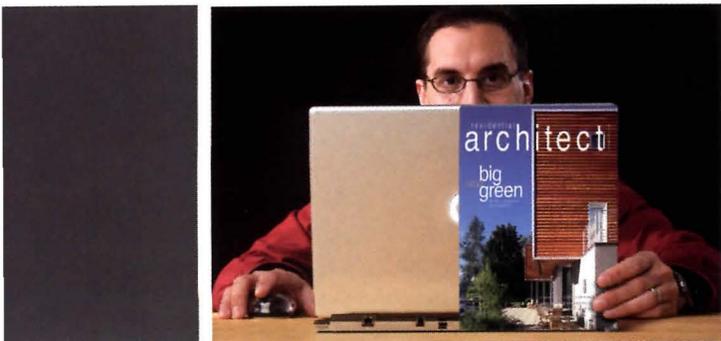
feeneyarchitectural PRODUCTS

www.feeneyarchitectural.com

Circle no. 272

We've built the perfect partner to your favorite magazine.

residentialarchitect.com



residential architect Online + residential architect magazine
Working together to keep you informed.

hanley wood

residential architect ONLINE

More Products • More Choices



Circle no. 43

Circle no. 214

Lightsmith™ Grilles - 175 Designs

Interior Doors - 900 Designs

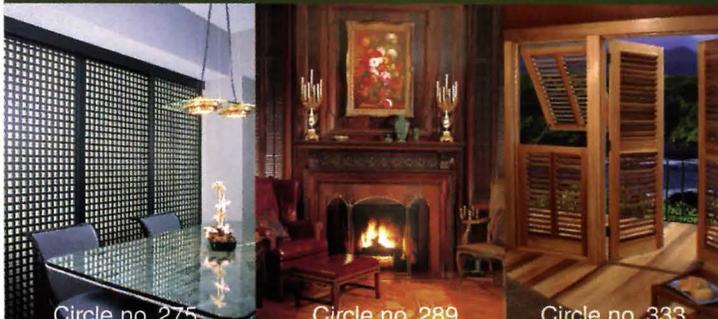


Circle no. 214

Circle no. 244

Custom Doors - 900 Designs

Shoji



Circle no. 275
Louvegrid

Circle no. 289
Mantels - 270 Designs

Circle no. 333
Fixed Louvered
Shutters

Visit Our Extensive Website to View Hundreds of Distinctive Doors, Mantels, Grilles, Shoji and Shutters

We Welcome Custom Work

500 Doors Plus Other Fine Wood Products on Display in Our Minneapolis Showroom

Since 1954

PINECREST®

800-443-5357 | www.pinecrestinc.com

Circle no. 38

architect's showcase

GENUINE STONES TILES BY OUTWATER



Hand sorted by color, size and thickness, Outwater's Genuine Stone Tiles comprise 100% natural stones that are individually adhered in mosaic or stacked patterns onto mesh style backings to create easy to install, seamless interlocking 12"x12" and 4"x12" tiles. Outwater's Genuine Stone Tiles are offered in a variety of exotic and traditional round and flat stones in numerous styles and colors to suit a wide assortment of vertical or horizontal applications.

FREE 1,000+ PAGE MASTER CATALOG!

LOWEST PRICES... WIDEST SELECTION... ALL FROM STOCK!

ARCHITECTURAL PRODUCTS BY OUTWATER

Call 1-888-772-1400 (Catalog Requests)

1-800-835-4400 (Sales)

Fax 1-800-835-4403

www.outwater.com

New Jersey • Arizona • Canada



Circle no. 401

More Laundry Room

Place Dryer Flush to Wall

Create Extra Space to Shine

Call or Go Online Today for Free CAD Blocks

the **dryerbox**

- Safely collect dryer flex-exhaust-hose neatly in the wall.
- Make the laundry look and feel larger even with today's bigger appliances.

In-O-Vate

Technologies Inc

888-443-7937 • www.Dryerbox.com



Circle no. 402

Dryer Vents

w/ Back Draft Damper

Aluminum & Stainless Steel Construction



SFB



SB



RCC-S



SFZC

Mini Diffusers

Adjustable Volume Control



TT



TX



Find out more at www.seiho.com

or call 800-243-0039

Circle no. 403



Scenes

Ceiling Mounts

Chandeliers

Firescreens

Outdoor Lighting

Over 350 handwrought items

We ship anywhere



716 N. Milpas, Santa Barbara
CA 93103 805.962.5116
stevenhandelmanstudios.com

Often imitated,
seldom equaled.

Circle no. 405

Elevette® Home Elevators



Make it easier to move from floor to floor.

- America's number one brand
- The most customizable elevator
- In-shaft or no shaft
- Renovations or new construction

INCLINATOR
COMPANY OF AMERICA

inclinator.com

800-343-9007 Dept. 77

Circle no. 404

ad index

| advertiser | page | circle | phone no. | website/e-mail |
|--|---------|------------------------------------|------------------------|--|
| AAMA | 19 | 304 | 847-303-5664 | www.aamanet.org/certification |
| architect as DEVELOPER | 17 | 314 | — | www.architectasdeveloper.com/ra |
| Atlantic Premium Shutters by The Tapco Group | 35 | 328 | — | www.thetapcogroup.com |
| AZEK Deck | 25 | 389 | 877-ASK-AZEK | www.azek.com |
| Brass Light Gallery | 20 | 75 | 800-243-9595 | www.brasslight.com |
| California Redwood Association | 34 | 40 | 888-Cal-Redwood | www.calredwood.org |
| CertainTeed | C5 | 313 | 800-233-8990 | www.certainteed.com |
| CorrectPorch | 38 | 358 | — | www.correctporch.com |
| Crown Point Cabinetry | 28 | — | 800-999-4994 | www.crown-point.com |
| Delta | 52 | 370 | — | www.urbanfaucet.com |
| Eagle Windows and Doors | 10 | 249 | — | www.EagleWindow.com |
| Feeney Architectural Products | 37, 61 | 379, 272 | 800-888-2418 | www.feeneyarchitectural.com |
| Fypon | 39 | 84 | 800-446-3040 | www.specifypon.com |
| Hanley Wood University* | 56 | — | 202-736-3447 | jpearce@hanleywood.com |
| Hanover Architectural Products | 36,38 | 330,250 | 800-426-4242 | www.hanoverpavers.com |
| IAPMO ES | 4 | 308 | 909-472-4100 | www.IAPMOES.org |
| IQ™ Trim Boards by The Tapco Group | 14 | 303 | — | www.thetapcogroup.com |
| JELD-WEN Windows & Doors | C6 | 1 | 800-877-9482 ext. 1419 | www.jeldwen.com/1419 |
| Knauf Insulation | 16 | 82 | 800-825-4434 ext.8300 | www.TheCoverageLeader.com |
| Kohler | 3 | 391 | — | www.kohler.com/introductions |
| Linear | 27 | 208 | 877-456-5130 | www.linearcorp.com |
| Modern Fan Company | 20 | 339 | — | www.modernfan.com |
| NKBA | 21 | 345 | 800-THE-NKBA | www.nkba.org |
| NuVo | 45 | 346 | 866-796-4904 | www.nuvotechnologies.com |
| Onsia Concealed Surround Sound Solutions | 26 | 316 | 800-434-3750 | www.onsiaideas.com |
| Pella | 30,31 | 19 | 866-829-9051 | www.pella.com |
| PERC | 32a-d | — | — | www.buildwithpropane.com |
| PINECREST | 61 | 38, 43, 214, 244, 275, 289, 333 | 800-443-5257 | www.pinecrest.com |
| <i>Reinvention Conference</i> | 33 | — | — | www.reinventionconf.com |
| Simpson Strong-Tie | 8 | 26 | 800-999-5099 | www.strongtie.com |
| SoftPlan | 2 | 79 | 800-248-0164 | www.softplan.com |
| Spark Modern Fires | 32 | 204 | 866-938-3846 | www.sparkfires.com |
| StoneCraft by The Tapco Group | 55 | 348 | — | www.thetapcogroup.com |
| Sub-Zero | C2-C3 | 15 | 800-222-7820 | www.subzerotrade.com |
| SwimEx | 58 | 316 | 800-877-7946 | www.swimex.com |
| Tile of Spain | C4-1 | 21 | 305-446-4387 | www.spaintiles.info |
| Typar, StormWrap* | 56 | 51 | — | www.typar.com |
| The Unico System | 58 | 54 | 800-527-0896 | www.unicosystem.com/iah |
| Whirlpool | 5, 6, 7 | — | 800-253-3977 | www.insideadvantage.com |

* Issue mailed in regional editions.

workspace

studio d'arc architects

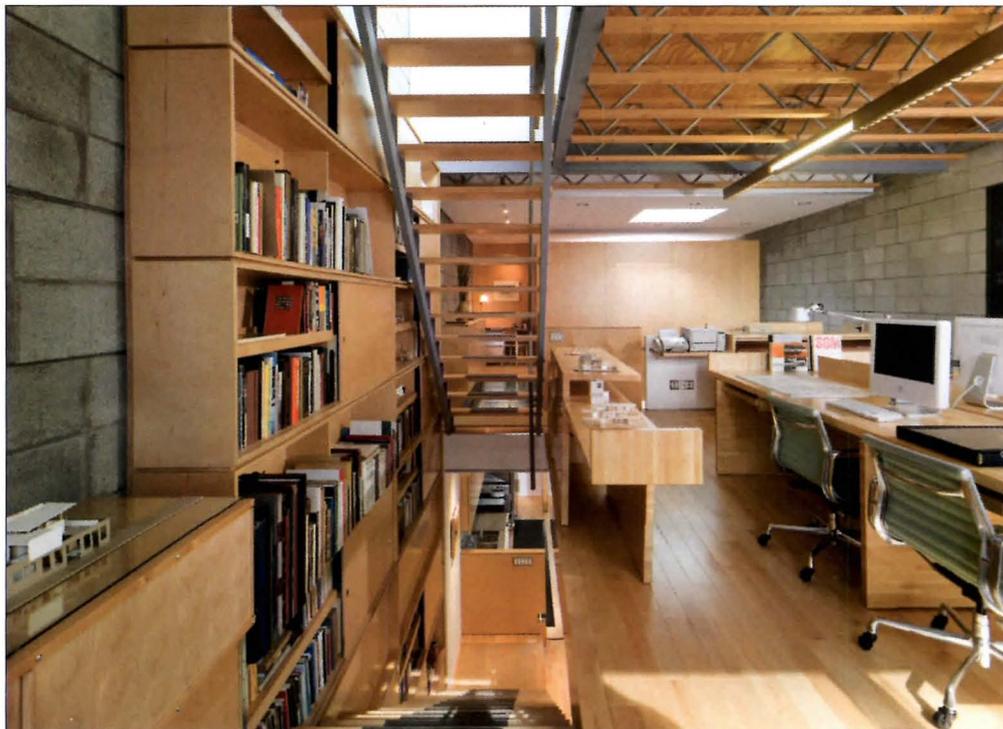
pittsburgh

www.sdapgh.com

Gerard Damiani, AIA, NCARB, and Debbie Battistone wanted their new live/work locale to embrace Pittsburgh's urban fabric. So they scouted for an empty lot close to downtown, eventually settling on one with a view of the city. They grabbed the prospect for their new second-floor studio, which has the building's only street-facing window. "I liked this idea of an architecture studio with a big window into the city," Damiani explains. "It's the eye of the architect looking at the neighborhood."

The ample glazing lets the husband-and-wife team forgo artificial lighting during the day—a big plus for the eco-conscious firm. Materials also were chosen for their low-impact practicality. For desks, plan racks, a printer shelf, and a model display table, Damiani used maple butcher block "with a thickness that could cantilever, so pieces fly into the space."

The studio's 390-square-foot layout is no bigger than the couple's first live/work space, even though the house is twice as big as their previous flat. "We decided to keep the square footage the same," Damiani says, "with the idea that we would live more than work—although that part hasn't really worked out!"—*shelley d. hutchins*



Photos: Ed Massery

You have the right
to remain speechless.



Cedar Impressions® siding is so realistic, it's hard to put into words.
But now that Double 7" Straight Edge Rough-Split Shakes have
joined the family, look out for even more jaw-dropping stares.

800-233-8990 certainteed.com

Circle no. 313

CertainTeed 
Quality made certain. Satisfaction guaranteed.™

EXTERIOR: ROOFING • SIDING • WINDOWS • FENCE • RAILING • TRIM • DECKING • FOUNDATIONS • PIPE
INTERIOR: INSULATION • GYPSUM • CEILINGS

For more information and complete product warranties, see www.jeld-wen.com. ©2007 JELD-WEN, Inc.; JELD-WEN, Auralast and Reliability for real life are registered trademarks of JELD-WEN, Inc., Oregon, USA.

Before



After



JELD-WEN® windows and doors will look just as great tomorrow as they do today.

That's because each one is built to last. We prove this with features like our 20-year warranty for products made with solid pine AuraLast® wood, which protects against wood decay, water saturation and termites. To learn more call 1.800.877.9482, ext. 1419, or visit www.jeldwen.com/1419.

Circle no. 1



RELIABILITY *for real life*®

JELD-WEN.
WINDOWS & DOORS