

# residential architect

A HANLEY-WOOD, INC., PUBLICATION / MAY • JUNE 1999

## 1999 business leadership awards

tms architects  
looney ricks kiss  
mahoney architects  
schmitt sampson architects  
james, harwick + partners



architects' houses / photographing your work /  
basement waterproofing / grappling with code /  
james cutler takes a hike / Y2K

[www.residentialarchitect.com](http://www.residentialarchitect.com)





# Here's an innovation others can't touch.

*Not just because we thought of it, but it's a pretty great idea, don't you think?*

*Shades that actually operate between the panes of glass in our windows and doors. This way, they're protected from dust and dirt. And there's no rattling or chance of little hands or pets getting to them. Plus, to change the style or color, the inside panel is easily removed.*

*And, as always, it comes with our 20/10 warranty.\**

*We're rather proud of this unique feature. It's just one of the countless ways you can surprise your clients with innovations to help their homes perform and look their best.*

*And because it's Pella, you'll be getting compliments, instead of callbacks. To find out more about Pella® and how we make windows easy, call 1-800-54-PELLA, or visit our Web site*

*at [www.pella.com](http://www.pella.com).*



**VIEWED TO BE THE BEST.™**







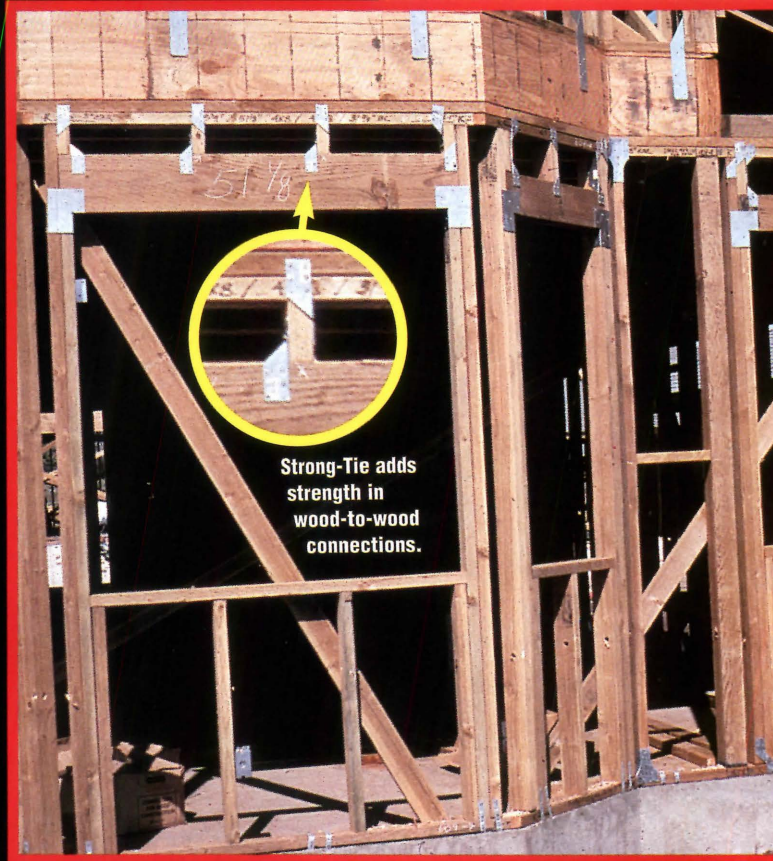
# Everyone Profits from The Well- Connected House!

**Architect Benefits.** Most design requirements can be met with Strong-Tie® connectors. Simpson manufactures over 4,000 different models, plus hanger catalog special orders manufactured precisely according to custom specifications. Accepted by national and local building codes, the Strong-Tie name on plans is recognized by owners and building inspectors as an assurance of built-in quality.

**Builder Benefits.** Strong-Tie connectors are engineered for quick, easy installation, as well as strength and safety. Construction crews are more productive thanks to the low installed cost features of our connectors. Solid connections at foundation, walls, floors and roof rafters, mean greater durability throughout the structure and fewer customer complaints.

**Customer Benefits.** Homebuyers today are more knowledgeable about the need for extra strength in the construction of houses. Major developers have begun to educate buyers about the added value of using Strong-Tie connectors. This is true especially in areas at risk from earthquakes or hurricanes. Simpson warrants its products and states this clearly in its catalog.

To get well-connected, call 800-999-5099, or check our web site at [www.strongtie.com](http://www.strongtie.com).



Strong-Tie adds strength in wood-to-wood connections.



Strong-Tie adds strength in wood-to-concrete connections.

**SIMPSON**  
**Strong-Tie®**  
CONNECTORS

**SIMPSON STRONG-TIE® CO., INC.**  
The World's "No-Equal" Structural Connector Company  
Home Office: 4637 Chabot Drive, Pleasanton, CA 94588  
Factories & Distribution Centers: Addison, IL ■ Brea, CA  
Columbus, OH ■ Jacksonville, FL ■ McKinney, TX  
San Leandro, CA ■ Surrey, BC ■ Woodbridge, ON



*Mix brick and mortar with  
your index finger.*



Point. Click.

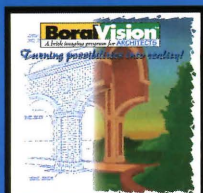
Choose a brick.

Choose your mortar and paint, too. It's that easy with BoralVision for Architects. Compatible with most CAD software, our computer imaging system allows you to mix and match many brand name products, like Blue Circle® Cement and Boral Bricks, until you find the colors and styles that work

best with your design. And when it's time to make a presentation, BoralVision gives you a fast,

cost-effective way to print as many high quality renditions as you have ideas. Find out how

BoralVision can help you enhance your designs and presentations. To locate your nearest Boral Bricks distributor, call 1-800-5-BORAL-5.



## • FREE OFFER •

For a limited time, architects can receive a complimentary BoralVision for Architects CD. Simply call 1-800-5-BORAL-5 or visit our website at [www.boralbricks.com](http://www.boralbricks.com) and order yours today. (Refer to Code #RES-0998.) Circle no. 45

BoralVision is a trademark of Boral Bricks.

Complimentary offer valid through 11/30/98 or while supplies last.





The Berkeley™  
Named America's  
Best One Piece  
Gravity Toilet\*

# AFTER 100 YEARS, WE'RE STILL PUTTING OUT OUR BEST CHINA.

Why settle for basic china when you can offer clients the best for about the same price? For handmade American quality and superior flushing performance, Eljer® takes a back seat to no one. From the first vitreous china tank nearly a century ago to the #1 Rated Gravity Toilets of today, Eljer is the one. Choose from beautiful styles and colors for every taste, plus a full line of coordinating lavatories and baths. All delivered with one of the fastest shipping times in the business. Call for our catalog and you'll be sitting pretty.



The Patriot™  
Named America's  
Best Two Piece  
Gravity Toilet\*

CALL 1-800-435-5372 FOR A FREE CATALOG  
Or visit our website at [www.eljer.com](http://www.eljer.com)

Circle no. 209



THOSE WHO KNOW BETTER, KNOW ELJER™

\*Awarded 1998 by America's leading consumer products magazine



# contents



**cover story:**  
**1999 business leadership  
awards...** page 58

Meet the winners of *residential architect's* Business Leadership Awards. These five firms set new standards for the entire profession in practice management, design, community service, marketing, and financial success.

Cover photo: Danny Turner

**from the publisher...** page 13

**letters...** page 16

**home front...** page 30

A well-wooded home / Concrete wallpaper / Home-buyer profile / 1999 Homes for Habitat Design Awards / Summer school for architects / Glass-backed bar / Shopping for objects online / Postcard from Jerusalem

**perspective...** page 42

A trip to Haiti renews one architect's faith in the power of architecture to improve people's lives.

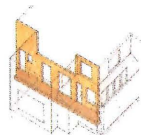
**practice...** page 50

When it comes to showcasing your work, nothing compares to good architectural photography.



**architects' houses...** page 72

Get personal with three of your colleagues in Missouri, Florida, and California. Join us on a private tour of the houses they designed for themselves.



**fine (red) lines...** page 82

When clients and building codes pull you in opposite directions, get creative. Here are five architects who faced daunting code restrictions but still ended up satisfying both clients and building officials.

**off the shelf...** page 92

Bold new office furniture that really goes to work for you.

**tech lines...** page 96

Have you prepared your firm for Y2K? Planning ahead can minimize problems next January.

**doctor spec...** page 104

Basement waterproofing: the bottom line on banishing wetness below ground level.

**hands on...** page 110

In two New York City apartments, sliding doors instantly transform large, open spaces into smaller, more private rooms.

**special places...** page 128

James Cutler, FAIA, takes a hike in the Pacific Northwest.



*It had all the potential to be brilliant. But they just didn't quite get it.*

*Suddenly, compromises had to be made. But not everywhere. The saving grace*

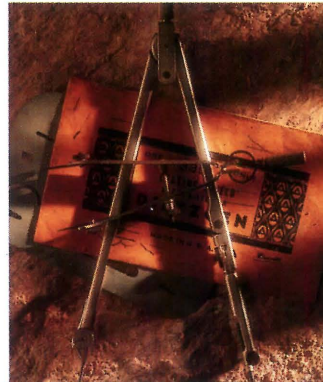
*was the windows. Because there's a kindred soul that shares your passion for*

*t h e   o n l y   t h i n g   s c a r i e r*

*fine detail. From 7/8" TDL, five hardwood interiors, all the way to the only*

*vinyl window you would ever specify with con-*

*fidence. Unlike so many others... they get it.*



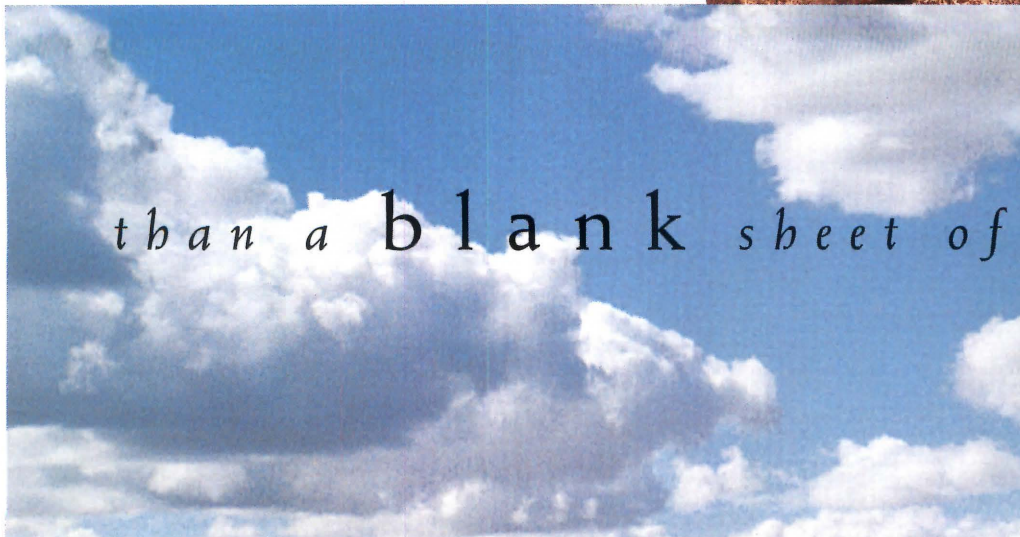
*T h e r e ' s   m o r e  
t o   s e e   i n   a  
W e a t h e r   S h i e l d  
w i n d o w   <sup>TM</sup>*

**Weather Shield**  
Windows & Doors



Circle no. 25

*t h a n   a   b l a n k   s h e e t   o f   p a p e r*



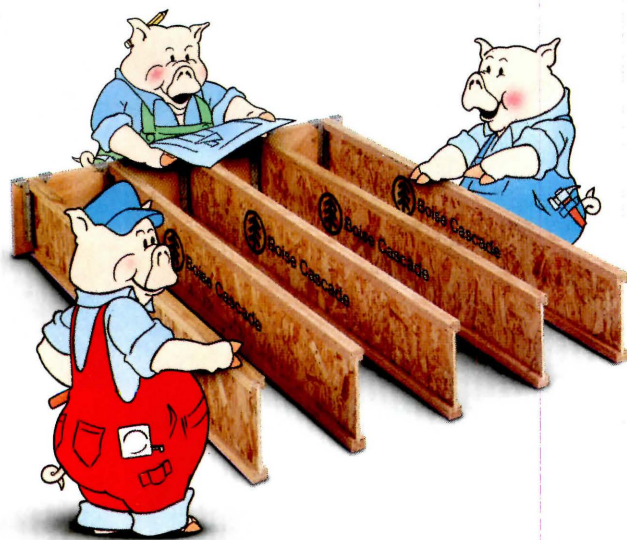


(800) 477-6808 ext 2097

[www.weathershield.com](http://www.weathershield.com)

*is the blank stare  
on a client's face*





## THERE'S A SIMPLE REASON WHY THIS FLOOR WON'T SQUEAL.

*It's built with BCI® Joists – part of the Simple Framing System®  
from Boise Cascade. The Simple Framing System ensures  
flatter, quieter floors. Smoother-working doors and windows.  
And walls that are square and true. In short, a better-built  
home, top to bottom. For the full story, call 1-800-232-0788  
and we'll send you a free copy of our BC Calc software.*



**Boise Cascade**  
The Simple Framing System®

©1999 Boise Cascade. All rights reserved.

[www.bcewp.com](http://www.bcewp.com)

Circle no. 36

# residential architect™

A HANLEY-WOOD, INC., PUBLICATION / MAY · JUNE 1999

Susan Bradford Barror / Editor / 202.736.3352 / [sbarror@hanley-wood.com](mailto:sbarror@hanley-wood.com)

Judy H. Neighbor / Art Director / 202.736.3331 / [jneighbo@hanley-wood.com](mailto:jneighbo@hanley-wood.com)

Amy Doherty / Managing Editor / 202.736.3442 / [adoherty@hanley-wood.com](mailto:adoherty@hanley-wood.com)

Christine A. De Joy / Editorial Consultant

Meghan Drueding / Associate Editor / 202.736.3344 / [mdruedin@hanley-wood.com](mailto:mdruedin@hanley-wood.com)

Deena Shehata / Assistant Editor / 202.736.3407 / [dshehata@hanley-wood.com](mailto:dshehata@hanley-wood.com)

Kristina K. Goings / Graphic Designer

Juliana Davis / Production Manager

Sarah A. O'Keefe / Assistant Production Manager

Betty Kerwin / Color Center Coordinator

George Brown / Color Center Coordinator

Lucy Hansen / Marketing Director

Tim Ahlring / Publisher

### Editorial Advisory Board

Aram Bassenian, AIA, Bassenian Lagoni Architects, Newport Beach, CA

Terry Beaubois, AIA, RDC Interactive Media, Palo Alto, CA

Barry Berkus, AIA, B3 Architects + Planners, Santa Barbara, CA

Dennis Brozak, Design Basics, Omaha, NE

William J. Devereaux Jr., Devereaux & Associates, McLean, VA

Duo Dickinson, Duo Dickinson Architect, Madison, CT

Stephen S. Fuller, Design Traditions, Atlanta

Donald A. Gardner, AIA, Donald A. Gardner Architects, Greenville, SC

Steven House, AIA, House + House Architects, San Francisco

William Kreager, AIA, Mithun Partners, Seattle

J. Carson Looney, FAIA, Looney Ricks Kiss Architects, Memphis, TN

Bill Manion, AIA, O'Neil and Manion Architects, Bethesda, MD

Sara O'Neil-Manion, AIA, O'Neil and Manion Architects, Bethesda, MD

Susan Maxman, FAIA, Susan Maxman & Partners Architects, Philadelphia

Mark McInturff, AIA, McInturff Architects, Bethesda, MD

Stephen Muse, FAIA, Muse Architects, Washington, DC

Jefferson Riley, FAIA, Centerbrook Architects and Planners, Centerbrook, CT

Mark Scheurer, AIA, Scheurer Architects, Newport Beach, CA

Doug Sharp, AIA, BSB Architects and Planners, Des Moines, IA



Published by Hanley-Wood, Inc.

Publisher of BUILDER, BUILDING PRODUCTS, CUSTOM HOME, HANLEY-WOOD'S TOOLS OF THE TRADE,  
HOME IMPROVEMENT RETAILER, PROSALES, REMODELING, AND *residential architect*

Michael J. Hanley / Chairman

Michael M. Wood / Chief Executive Officer

Frank Anton / President

Michael J. Tucker / President / Magazine Division

John M. Brannigan / Senior Vice President / Corporate Sales Director

James D. Zielinski / Chief Financial Officer

Paul Kitzke / Vice President / Corporate Editorial Director

Joanne Harap / Vice President / Production

Maxx MacConnachie / Vice President / Circulation

Ann Seltz / Vice President / Marketing

Cynthia Gordon-Nicks / Vice President / Finance

Leslie S. Elsner / Vice President / Human Resources

Adriaan Bouten / Vice President / Information Technology and New Media

### Editorial and Advertising Offices:

One Thomas Circle, N.W., Suite 600

Washington, DC 20005

Phone 202.452.0800 / Fax 202.785.1974

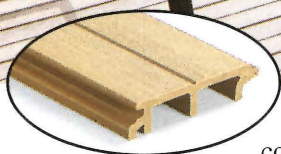
Volume 3, number 4. *residential architect* (ISSN 1093-359X) is published eight times a year in 1999 by Hanley-Wood, Inc., One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 1999 by Hanley-Wood, Inc. Opinions expressed are those of the authors or persons quoted and not necessarily those of Hanley-Wood, Inc. 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. **Subscriber customer service:** 888.269.8410 / **Fax:** 847.291.4816. Periodicals postage paid at Washington, DC, and at additional mailing offices. Postmaster: Send address changes to: *residential architect*, P.O. Box 3241, Northbrook, IL 60065-3241. This issue mailed in regional editions.







## Take A Closer Look, And You Can See The Future.



That's TimberTech® decking you're looking at. And if initial response is any measure, consumers are making it the wave of the future. That's because it won't rot, warp, split, splinter, or decay like wood. So it looks great when new, and after years of exposure to the elements. All with super easy installation, no exposed fasteners, and easy, "no sweat" maintenance, too. To find out more, call 1-800-307-7780. It can mean a better future for you.



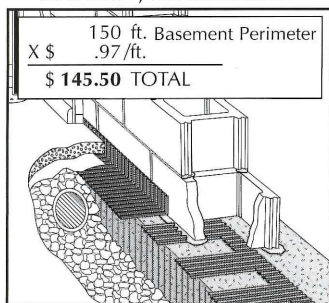
A Crane Plastics Company product. Check it out on our web site at [www.TimberTech.com](http://www.TimberTech.com).

Circle no. 208

## END WET BASEMENT CALLS

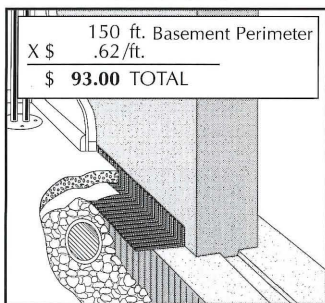
### VENT MAT™, FLOOR EDGING™

150 ft. Basement Perimeter  
X \$ .97/ft.  
\$ 145.50 TOTAL



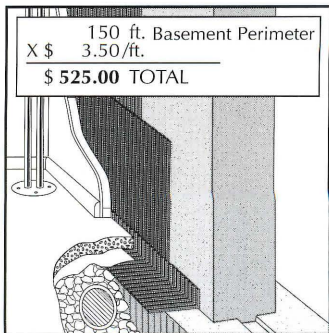
### FLOOR EDGING™

150 ft. Basement Perimeter  
X \$ .62/ft.  
\$ 93.00 TOTAL



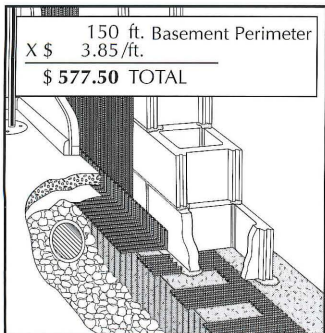
### CONTROL CAVITY™, FLOOR EDGING™ AS A SYSTEM

150 ft. Basement Perimeter  
X \$ 3.50/ft.  
\$ 525.00 TOTAL



### VENT MAT™, FLOOR EDGING™, CONTROL CAVITY™ AS A SYSTEM

150 ft. Basement Perimeter  
X \$ 3.85/ft.  
\$ 577.50 TOTAL

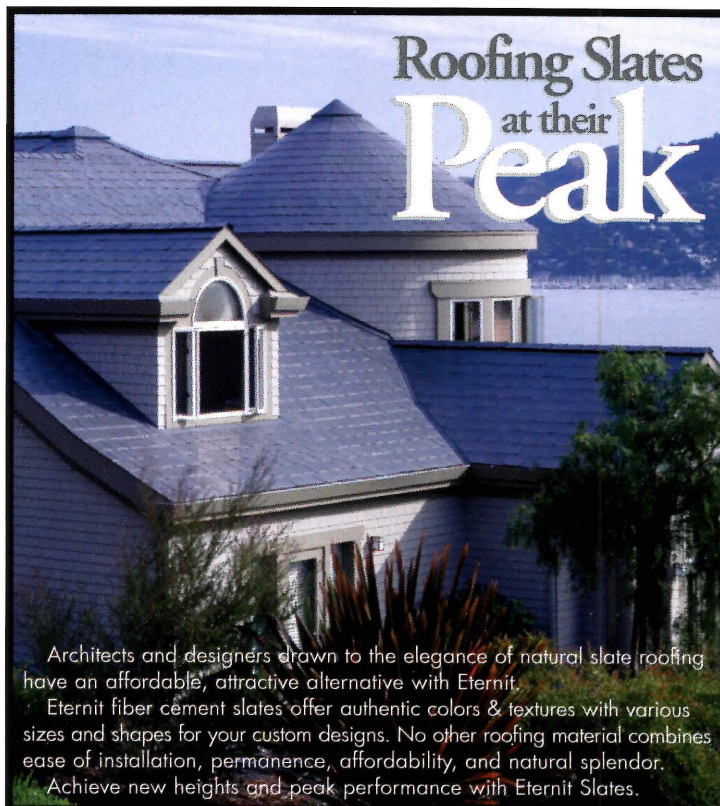


### MASONRY TECHNOLOGY INCORPORATED

Phone: 319-547-1122 1-800-879-3348 Fax: 319-547-1133  
E-Mail: [mti@sbtek.net](mailto:mti@sbtek.net) Web Page: [www.means.net/~mti](http://www.means.net/~mti)

Circle no. 282

## Roofing Slates at their Peak



Architects and designers drawn to the elegance of natural slate roofing have an affordable, attractive alternative with Eternit.

Eternit fiber cement slates offer authentic colors & textures with various sizes and shapes for your custom designs. No other roofing material combines ease of installation, permanence, affordability, and natural splendor.

Achieve new heights and peak performance with Eternit Slates.



Berks Corporate Center, Reading, PA 19605  
USA (800) 233-3155 Tel (610) 926-0100 Fax (610) 926 9232  
Email: [RonHruz@EternitUSA.com](mailto:RonHruz@EternitUSA.com) Web: [www.EternitUSA.com](http://www.EternitUSA.com)

Circle no. 210



*Here's one of the secrets to Alside's success:*

# We listen. We innovate.

*And that's the way it's been for more than 50 years.*



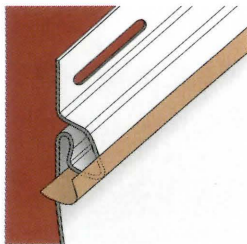
Back in the late '40s, we heard "less maintenance." So we revolutionized the housing industry with aluminum siding . . . the first residential siding that didn't need regular sanding, painting or repairs. Since then we've kept on listening, building a tradition of innovation as we've advanced the technology of easy-care siding for homes.

But easy-care is only part of what we've heard. You've also told us you want technology that assures easy installations, superior finished results and exceptional long-term quality.

So we've turned those ideas into products such as:

*Charter Oak™ reinforced premium vinyl siding*, the only one-piece reinforced vinyl siding on the market. Our exclusive TriBeam™ technology fuses extra support to a premium thickness panel. The result is superior wall-straightening rigidity . . . fast, easy installations . . . and outstanding finished quality. That's why it's one of the fastest growing products on the market. It's the best reinforced vinyl siding you can find.

*Charter Oak™ reinforced premium vinyl soffit*. TriBeam one-piece reinforcement provides exceptional strength and rigidity for the toughest soffit installations. Unlike ordinary vinyl soffit, it doesn't sag or cup. It goes up fast, and the quality lasts. It's a market leader too.



Exclusive one-piece TriBeam™ panel reinforcement makes Charter Oak the strongest, stiffest and easiest-to-use vinyl siding and soffit on the market.





*Now Alside innovation gives you  
another outstanding product...*

## CENTERLOCK™

Premium Vinyl Siding



*CenterLock™ premium vinyl siding.* No other standard priced vinyl siding offers the advantages of CenterLock's patent-pending design. Two locks—an enhanced conventional lock at the nail hem and a positive interlock at mid-panel—give CenterLock the strength and rigidity needed for:

*Straighter walls*—because CenterLock is up to three times more rigid than competitive panels.

*Tighter, flatter laps*—no gaps, just flat-to-the-wall beauty that lasts.

*Superior finished quality*—the strength to stay locked tight, even in winds exceeding 150 mph.

*High productivity*—because like all our products, CenterLock is contractor-friendly.

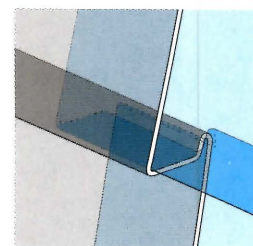
One contractor called it *“the best locking siding—and the best lapping siding—on the market.”*

**And that's exactly what you told us you wanted.**



An advanced design produces the realistic look of individual 4 1/2" "boards" you get only with CenterLock.

CenterLock's exclusive double-lock design produces greater panel rigidity and unsurpassed locking power.



For more information on Alside's customer-inspired new products, visit your local Alside Supply Center or an independent Alside distributor. Or call toll-free 1-800-922-6009 to request product literature and samples.

*Alside. When it comes to your product needs, we're listening.*

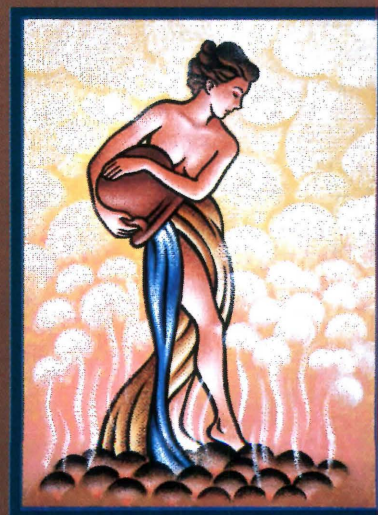
**Alside®**  
First On America's Homes



# This healthy, spa-like resort used to be your shower.

To enjoy the rejuvenating effects of a steambath,  
you need only go as far as your shower. Easy to install  
and easy to use, ROMĀ Steambaths transform your  
everyday shower into a haven of relaxation. Bring the  
pleasures of a spa to the comforts of home with ROMĀ.

**ROMĀ**  
STEAMBATHS



**T H E   A R T   O F   N A T U R A L   R E L A X A T I O N**

The finest name in steam baths for over 36 years.

1 - 8 0 0 - 6 5 7 - 0 6 5 6

[www.romasteambath.com](http://www.romasteambath.com)

Circle no. 262



# from the publisher winners

kudos to the five smartly run, well-rounded firms that won  
*residential architect's* 1999 Business Leadership Awards.

by tim ahlering

**W**hen editor Susan Bradford Barror asked me to write this column, I was excited about the opportunity. I knew that the May/June issue was going to feature the winners of *residential architect's* 1999 Business Leadership Awards, a competition that recognizes excellence in residential practice. We asked our 20,000 readers to participate, and the response—in this first year of the awards program—was strong.

In the realm of residential architecture, what *is* leadership? Design excellence and financial success, to be sure. But also a keen sense of integrity, a giving back to the larger community. Therefore, our judges examined how the participating companies performed in five areas: practice management, marketing, design innovation, community service, and financial success.

The entrants that most impressed the judges demonstrated excellence in all of these areas. These five winners are well-rounded, well-run practices.

The top spot went to TMS Architects, in Portsmouth, N.H. The other four winners are Looney Ricks Kiss, Memphis, Tenn.; Mahoney Architects, Tiburon, Calif.; Schmitt Sampson Architects, Charleston, S.C.; and James, Harwick + Partners, Dallas. Our story on page 58 illuminates just what is so special about these firms, and why the judges chose them as business leaders.

## trial and error

When you read about these companies, you can't help but notice that their business savvy is not always the result of information they acquired in architecture school. "Trial and error" is the buzz-phrase constantly invoked by the winning architects when they talk about what has helped them hone their business leadership abilities. If you follow the credo that great business leaders are not born but made, you will enjoy reading about the winning firms.

It was *residential architect's* goal, with this awards program, to create



Andy Goodwin

an opportunity for industry leaders to learn from each other. We hope you will find that we have succeeded in doing this with the premiere of our Business Leadership Awards program.

## behind the scenes

On page 72 in this issue, we take a look at the homes of three architects. Hailing from Kansas City, Mo., Fort Lauderdale, Fla., and San Diego, these designers share a love of urban life, respect for the fabric of a neighborhood, and concern for the natural environment. Each home reflects those values while expressing its owner's exuberantly per-

sonal sense of style.

And in our final feature, we examine details from five projects that overcame potential problems with code restrictions. Sometimes there's a fine line between a code violation and a creative compromise, but the architects who designed these projects opted for legal solutions. You'll find this story on page 82.

## show time

Planning to attend the AIA Show in Dallas May 6–8? If so, please stop by booth number 2539 and say hello. It would be wonderful to make your acquaintance. **ra**



*Your customers aren't just buying a roof,*



*they're also buying your reputation.*

As an architect or home builder, people hire you based on your reputation. So why risk your good name recommending second-rate materials? Meeker has been the leading cedar shake manufacturer for over 50 years. Our commitment to quality and consistency of product is second to none. And to give your customers peace of mind, Meeker cedar shakes come with 30, 40, and 50 year transferable warranties. So don't accept substitutes. Specify Meeker cedar shakes, and give your customers a roof that will stand up to your reputation.

AVAILABLE WITH  
**FTX**  
FIRE RETARDANT

Ask for Meeker cedar shakes, available anywhere within 10 days.  
Please call for more information.

© 1999 Meeker Cedar Products Ltd.

1.800.663.8761 | [www.meekercedar.com](http://www.meekercedar.com)





My deadlines are not negotiable. Callbacks are not in my vocabulary.  
So, I hire subs that use the best. This is my insulation.



For consistent quality and a fast, no-hassles job, choose NAHB-certified Knauf insulation installed by professionals. Available in a full range of sizes and R-values.

Circle no. 82

**KNAUF**



**KNAUF**  
Fiber  
Glass  
Insulation

1-800-825-4434 • [www.knauffiberglass.com](http://www.knauffiberglass.com)



# letters

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

fan mag?

I really enjoyed your first issue of 1999. Your review of the architects who contributed most to residential design during the 20th century was excellent ("20th Century Giants," January/February, page 46). I am in complete agreement with the group you highlighted. They are people whose work I have studied and admired for the past 30 years.

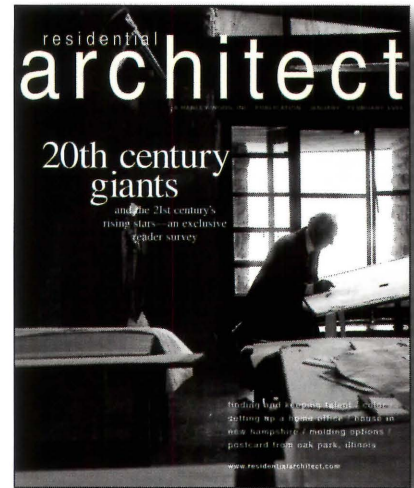
I was distressed, however, by your efforts to identify the "rising stars of

the 21st century." I felt embarrassed for the seven talented architects thus cursed. Our profession doesn't need celebrities. Good design speaks for itself and doesn't require a press agent. A talented architect needs no verbal glorification. (Did some architects really nominate themselves?) His or her body of work will be testament enough as the architect matures. Sadly, early public adoration usually corrupts the creative spirit and often results in a

dwindling procession of increasingly mediocre projects. I hope those crowned by your publication will continue to have good sites, good clients, and the ability to grow beyond this premature coronation.

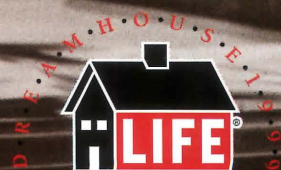
You produce a fine professional journal. Don't let it become another fan mag.

*Keith A. Dover, Architect  
Heber City, Utah*



the wright stuff

At first glance, I could hardly believe the January/February cover of *residential architect*. Bravo, and thanks for the wonderful issue.



*Cabot is a supplier to the  
1999 LIFE Dream Houses.*

LIFE is a registered trademark of Time, Inc.  
Used with permission.



Frank Lloyd Wright left a generous and uniquely American legacy in the form of his philosophy and principles of design to a profession that, to this day, has ignored them in favor of the imported Bauhaus School.

Mr. Wright's houses, especially the Usonian types, demonstrate warmth, scale, and structural inventiveness, all for the sake of economy and energy efficiency. In contrast, the majority of today's residential design is still stuck with the Bauhaus or International School concept. Recent trends of would-be signature designers have made it even harder for

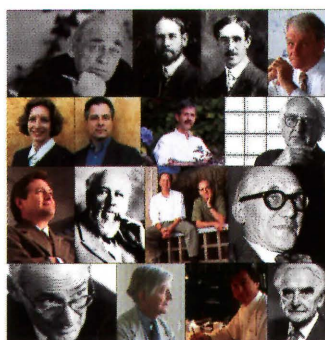
most people to understand a more natural and rational approach to home building.

My advice to the so-called "rising stars" is to study the works and principles of real genius rather than those of the trendsetters whose buildings are as shallow as their façades.

I noticed that one of the most creative architects, Bruce Goff, did not make

## 20th century giants

we asked our readers to name the greatest residential architects of the 20th century—and the 21st century's rising stars.



**S**everal dozen of the top of a new era of this magazine to name the greatest residential architects of the 20th century. 100 per Wright at the top of the list. He was born at the dawn of the 20th century, and died 19 years later at the height of the Modern era. His legacy of built work and architectural innovation inspires us to this day.

The following pages represent a Top 10 list of architects whose work has shaped residential design in the 20th century. You'll find these a diverse and intriguing bunch. We also continue five current-day architects, chosen by our readers, whose residential work forecasts the century ahead.—*James Langford*, *Interiors*

cient, earthquake and hurricane resistant, and, most of all, affordable to the average wage earner?

*Justo Monillas  
Pleasant Hill, Calif.*

### good company

I am very flattered to have been ranked among the 20th century giants. The company I found myself in was superb and humbling.

*Robert A.M. Stern  
Robert A.M. Stern Architects  
New York City*

### keeping the faith

I am writing in response to your editorial in the January/February issue ("Beyond Frank Lloyd Wright")  
*continued on page 20*

**There's 120 years of protection in every can of**

**Cabot**

**CLEAR SOLUTION**

**3000 NATURAL**

**ONE U.S. GALLON 3.785 LITERS**

*John Sava, AIA.  
Specifying Cabot for over 30 years.*





Think of it as a  
**power tool**  
for architects.

Introducing Infodesk™ from Milgard, a single CD-ROM offering a wealth of window specification and detail information.

At Milgard, we've always provided architects with the tools that help make your job easier. Like four frame materials to choose from to match your design requirements—vinyl, aluminum, WoodClad™ and now an all fiberglass series we call Ultra™. We offer more mulling and stacking options to allow you even greater creativity. And now we provide architects with a software tool that helps you bring it all together.

With Infodesk you can easily bring any Milgard detail drawing into your CAD package in a DXF or DWG format. The CD allows you to access and edit CSI specifications for every Milgard frame type. Explore just about any window or glass topic using full-motion video, an extensive photo gallery, and over 400 colorful screens of information.

To learn more about Infodesk or any of our window or door products, call 1-800-MILGARD or visit our website at [www.milgard.com](http://www.milgard.com).



Clearly the best.™

Circle no. 92





Fig. 4a. Jamb Flashing (Method A)

Fig. 4b. Window Installation (Method B)

Windows / Details / page 7

CD Map

Web Site

Print

Quit

Vision Master 17





Wright," page 13). I am a graduate student studying architecture at the University of North Carolina—Charlotte. I have some concerns about the com-

ments you published regarding readers' responses to your 20th century poll.

First, regarding the comment of one of the

poll respondents that today's architecture is "an eclectic mix of junk": That is far from the truth. There have been great advances in the field of

residential architecture in terms of technology for more efficient homes and a greener approach to the design and construction of them. We study these technologies extensively in our course work and apply them every day in our design work.

Second, while it is true that we as designers have to design the types of buildings our clients will pay for, there is no reason we can't offer alternatives to the norm. We need to take the time to develop new technologies and design strategies for a more economical and environmentally sound design base. Just maybe, if our alternatives are still cost efficient for our developer clients, they will buy them rather than "the same old crap."

Finally, I see the talent that lies in our schools of architecture at both the graduate and undergraduate levels. It would blow your mind to see how creative these students can be in generating new designs in residential and commercial buildings.

If industry leaders would reflect on their days in school, when they were cutting their teeth on innovative designs, then perhaps they would understand where architecture is heading—toward answering the dreams of Modernism, solving the problems of a global architecture in terms of economy and environment, and supplying the

*continued on page 24*



## Architectural Accents®

Urethane Millwork by **Style-Mark, Inc.**




Our 25 years in business, combined with fast, courteous and reliable service, make Architectural Accents® the first choice of architects, builders and homeowners worldwide.

High style with easy installation and low maintenance reveal Architectural Accents® advantages over wood and plaster.

See for yourself how Architectural Accents® clean lines, sharp detail, consistent density, and smooth finish stand out when you compare it with other urethane millwork.

The Architectural Accents® product line includes thousands of standard products as well as custom manufactured profiles to meet your special project needs.

Call for a free Registered Product Specification Manual and DWG/DXF files.



**Style-Mark**  
INC.

WE MAKE HOMES UNFORGETTABLE.

960 West Barre Road • Archbold, OH 43502

419/445-0116 • 800/446-3040

Fax 419/445-4440

<http://www.style-mark.com>

Copyright © 1999, Style-Mark, Inc. All rights reserved.





Practically impervious to fire, rain,  
insects and customer complaints.



Over a billion square feet of James Hardie siding products are keeping homes beautiful all across the U.S. They're utterly defying the elements every day, from the cold, damp Northwest to the hot, humid South. So no matter where you build, customer callbacks aren't in the forecast. If you'd like to learn more, call 1-888-HARDIE-1 or visit us at [www.jameshardie.com](http://www.jameshardie.com).



©1998 James Hardie Building Products

Circle no. 278



# What other central vac would you expect to find in a state-of-the-art home?



When you build a state-of-the-art home, install a state-of-the-art Hoover central vac system. Because the family who buys that home will expect nothing less. Hoover is one of America's best known brand names. It's the name your buyers trust, and the one

**NOBODY GETS  
THE DIRT  
LIKE HOOVER.  
NOBODY.™**



they'll pay more to own. Think of it this way: every home you build is forever your home. And which brand would you choose?

**For the Hoover central vac distributor nearest you, call 1-800-891-5696.**

*[www.hoovercompany.com](http://www.hoovercompany.com)*

©1999 The Hoover Company





Comfortable.

Good looking.

Easy to live with.

(We're talking about the price)

Introducing the Hearthfire, model CFX-36T gas fireplace. Now your customer can enjoy an authentic masonry look at a price everyone will warm up to.

The patented ceramic fiber refractory provides superb insulation. Plus it helps radiate more heat while creating a wonderful realistic glow.

For more information, call us toll free at 1-888-427-3973.

**HEAT-N-GLO**  
*No one builds a better fire*

HEAT-N-GLO, A division of Hearth Technologies • 6665 W. Hwy 13, Minneapolis, MN 55378 • (612) 890-8367 Fax (612) 890-3525  
E-Mail us at: [info@heatnglo.com](mailto:info@heatnglo.com) • Visit our web site at [www.heatnglo.com](http://www.heatnglo.com)



people of our country with some of the most interesting approaches to structure and aesthetics ever seen in architecture.

Support your schools of

architectural design. After all, we are the future of architecture.

*John P. Plageman  
Architect-in-training  
UNC-Charlotte*

a fresh interpretation

I find it curious that the very same issue of your magazine that was devoted to some of the century's most significant architects

also included an essay that virtually denies that their collective work had any influence on residential architecture at all (January/February, Perspective, page 32). In his essay, Alvin Holm would have us believe in a black-and-white world where Modernism was a temporary lapse in good judgment leading to a bleak, sterile existence, while traditional architecture provides the warmth and human scale that people will always crave.

Dismissing the Modern movement as mere "revolutionary posturing," Mr. Holm fails to find any value in the reevaluation process itself. Granted, as in any revolution, the initial break from the past was severe and without compromise. But what evolved, and continues to evolve, was a broadening of human perspective. While some architects have headed in an avant-garde direction, others have brought more familiar themes to their work. If, as some have claimed, we have now come full circle, I would like to think that we have arrived at a fresh interpretation of the needs man has always felt—with a renewed respect for human space, and with generosity of detail and texture.

We architects love to talk about what makes for good architecture. Yet, as articulated in Sarah Susanka's wonderfully refreshing book *The Not So Big House*, what is truly relevant is what lifts the spirit of the clients we serve.

*George Erdstein, Architect  
Detroit*

## Add Direct Basement Access

With PermEntry®... the precast concrete stairwell and Bilco basement door system.

Maximize your homes' living area by adding safe, convenient access for a home office, guest suite, exercise room, home theater and more. Delivered and installed by licensed dealers, the PermEntry® basement access system with heavy-gauge steel Bilco basement door will add profitable options to your new homes.

For more information, contact The Bilco Company.

**(203)934-6363**  
**www.bilco.com**



**Bilco®**  
Since 1926

**Better Living™**  
BASEMENTS



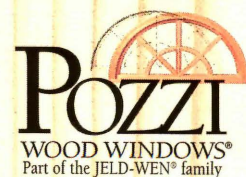
the driest.  
ur window you're on.

\*For limited warranty details, see catalog. Pozzi Wood Windows is a registered trademark of JELD-WEN, Inc. ©1998 JELD-WEN, Inc.



Dan Stokes,  
*Product Testing Manager*

It doesn't rain all the time in Bend, Oregon. Only when Dan Stokes wants it to. You see, Dan tests the seals of our wood windows to help ensure your customers' satisfaction. Thus the 8 inches of rain per hour. Hurricane force, 155 m.p.h. winds, and countless other Dan-made extremes. Thanks to a sturdy 20/10-year warranty,\* our windows are an attractive choice you can live with. After all, they've already had to live with Dan.



HANDCRAFTED IN BEND, OREGON.™

Free catalog: 1-800-257-9663 ext. P4.

Or visit us at [www.pozzi.com](http://www.pozzi.com)

Circle no. 222



# home front

tips and trends from the world of residential design

## wood work

**“W**ith all the glass in this apartment,” says architect Eric Haesloop,

AIA, “we needed another material that would warm up the space and give it some solidity.” That material was wood—three kinds of wood, to be exact.

Haesloop, of the San Francisco firm Turnbull Griffin Haesloop, used an anigre veneer obtained from a single tree to give the walls a smooth, silky texture. Maple covers the floors and ceilings. And cherry wood serves as an accent throughout the project.

The San Francisco renovation was the only apartment interior to win an honor award in the Architectural Woodwork Institute’s 1998 Wood Design Awards Program. Haesloop was the project architect; the general contractor was Ryan Associates, also of San Francisco.—*meghan drueding*



J.D. Peterson



Cesar Rubio



Mara Kurtz





Cesar Rubio

## who's buying?

For its 23rd annual "Who's Buying Homes in America" report, Chicago Title Corp. surveyed potential home buyers in 20 major metropolitan markets across the nation to come up with a profile of today's typical home buyer. Here are some of the findings, as compared with 1997 figures:

- from 1997 to 1998, total home sales increased by 12.5 percent;
- the number of married buyers was 16.4 percent higher in 1998 than in 1997, but 13.6 percent more buyers in 1998 were widowed, divorced, or separated;
- the average family size of home buyers remained constant, at 2.8 people;
- the average age of second- or third-time buyers in 1998 was 41.1, the same as in 1996 and 1997.—*m.d.*

## concrete solution

Should you follow pricey trends in selecting materials and finishes, knowing that in five years a home may appear dated? Or ignore them, driving away customers who desire the latest looks on their walls, ceilings, and other surfaces?

When it comes to the current craze for concrete, there's a third option. Roc Inc., of Blaine, Wash., makes a clever concrete-patterned wallpaper that comes in two different prints, each with snap-tie impressions for a realistic, poured-concrete look. The 3-foot-wide rolls come in 10-meter and 50-meter lengths and retail at around \$3 per square foot. The minute concrete loses its cachet, homeowners can simply strip the paper and begin again with whichever new surface has caught their fancy. After all, beauty is only skin deep.

For more information, call Roc Inc. at 800.942.4902.—*m.d.*



Doug Sanford





*The J-Sha™*

**THE FIRST CHOICE IN WHIRLPOOL BATHS...**



*The Trivella™ Suite*



*The Gianni™ Suite*



*The Sofia™ Suite*



*The Chipriani™ Suite*

## ...IS THE NEW CHOICE IN BATHROOM SUITES

Now you can offer your customers Jacuzzi quality, style and performance on a grander scale. Because now there is a complete collection of Designer and Builder sinks, toilets and bidets beautifully designed to coordinate with Jacuzzi® whirlpool baths and shower systems. Choose from a breathtaking array of colors and styles to fit every taste and budget, all made in America and backed by Jacuzzi. It's not just a bathroom. It's a statement of quality.

Only from the innovator of bathing luxury.

*Jacuzzi Whirlpool Bath and Jacuzzi are registered trademarks of Jacuzzi Inc.*



THE GENUINE BRAND.

Circle no. 67

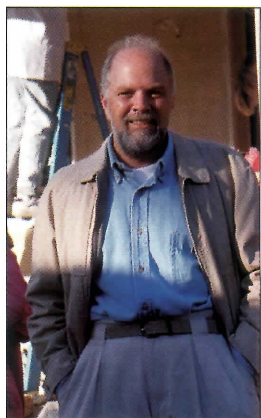
Call or click for information and a free catalog JACUZZI WHIRLPOOL BATH  
1-800-288-4002 [www.jacuzzi.com](http://www.jacuzzi.com)



## conferences and competitions

### second annual homes for habitat design awards

entry deadline: july 12, 1999



Philip Jensen-Carter

Ed Binkley, winner of the 1998 Homes for Habitat Design Awards, is a judge in this year's competition.

Last year's winning design by Ed Binkley, AIA, was built in Yonkers, N.Y., to benefit Habitat for Humanity and a single mother of four. This year's challenge is to design an affordable, livable, and buildable house for a multigenerational family in rural Maryland. The prize: \$5,000 for the winning entry and coverage on national television. The program is sponsored by *residential architect*, APA—The Engineered Wood Association, Premier Building Systems, and Andersen Windows. Entry materials will be available in late May. For more information, visit [www.residentialarchitect.com](http://www.residentialarchitect.com), call 202.736.3407, or e-mail [dshehata@hanley-wood.com](mailto:dshehata@hanley-wood.com).

### western building show

june 24–26, 1999

san francisco

See the newest products and hear nationally known architects speak on current trends in housing design. For more information, call 800.956.SHOW or visit [www.wbs.org](http://www.wbs.org).

### aibd 1999 annual convention

august 4–9, 1999

asheville, n.c.

Highlights of the American Institute of Building Design's 49th annual national convention will include residential design seminars, national awards ceremonies, a custom house tour, and a trade show. To register or to obtain further information, call 800.366.2423.



Courtesy Yestermorrow Design and Build School

Yestermorrow professional curriculum students designed and built this pavilion in 1998 on the town square in Waitsfield, Vt.

## summer school

think of it as sleepover camp for architects. Yestermorrow Design and Build School's two-week professional enrichment courses are held in the

lush green mountains of Warren, Vt. The school is primarily directed at do-it-yourself homeowners, but its

curriculum also contains a track designed specifically for architects and engineers. Course offerings in 1999

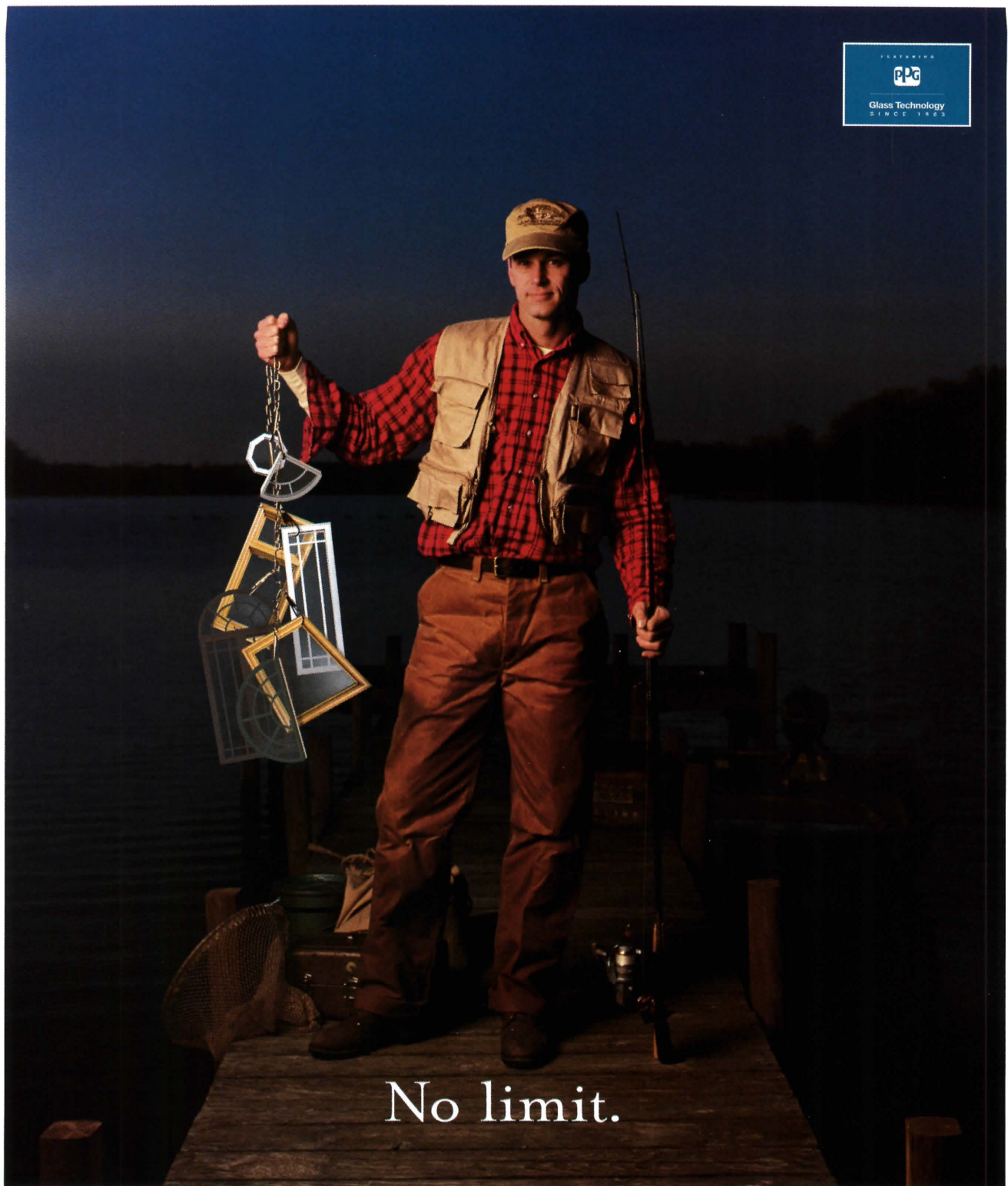
include "Ecological Design and Building," a study of the principles of sustainable development, and "The

Sellers' Summer Studio," an exploration of design/build that takes place at architect David Sellers' home and

workshop. The classes provide architects with an opportunity to sharpen their skills in a particular area,

and to network with peers. For more information, call 888.496.5541 or go to [www.yestermorrow.org](http://www.yestermorrow.org).—m.d.





No limit.

What is it that keeps luring you back to Hurd Windows? Options, and lots of 'em. Wood, aluminum clad wood, and vinyl windows. Five types of glazing. A boatload of sizes, styles, and shapes (a double clip corner or springline would look mighty fine up there on your wall). 197 colors. An array of patio doors. High-test hardware. Not to mention a whole school of grilles. In fact, there's just one option we don't offer. Compromise. That's because at Hurd, we don't believe in restrictions. Only results.

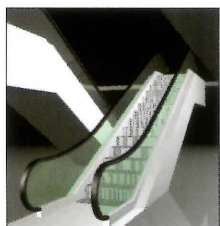
You are now free to build.™







## download a dormer



**y**ou need a dining-room set for your latest 3-D creation, but your objects library is bare ... and so is your budget.

No problem, as long as you're one of the 60,000 users of ArchiCAD from San Francisco-based Graphisoft. Those who have access to the software program can find what they need at Objects Online ([www.objectsonline.com](http://www.objectsonline.com)), a compendium of 1,000 (and counting) 3-D items starting at \$5 apiece.

"It's smart clip art for architects," says creator David Correia. Once you buy an object, it's yours to keep, and most objects can be customized. For a car object, says Correia, "the user can add passengers, change the style and make of the car, and open and close doors" via a dialog box that accompanies each image.

The Web site offers five catalogs, including a selection of single objects for sale, families of similar items, and complete libraries. Shoppers are given a thumbnail image of each item offered; if you want one, simply select the proper operating system (Mac or Windows 95/98 NT) and add it to your virtual shopping cart. Purchases are made through a secured credit-card billing system; a private password stores billing information for future visits.

Each item takes about a minute to download.

In addition to providing objects, Correia is recruiting ArchiCAD users to sell their own creations on the service—a simple contract nets participants a 50-percent royalty on each sale. For more information, call 415.621.7959 or e-mail [david@objectsonline.com](mailto:david@objectsonline.com).—*rich binsacca*

## bar back

**S**tuart Shayman Associates, of Northfield, Ill., backed this wet bar in a suburban Chicago home with the same tempered glass that stretches along the room's adjacent wall. The see-through solution allows more light into the room, without compromising storage space.—*m.d.*



© Les Boschke



# AVOID CONSTRUCTION DELAYS AND COST OVERRUNS.



## SPECIFY OLYMPIC<sup>®</sup> MACHINE COATED SIDING & TRIM.

### KEEP PROJECTS ON SCHEDULE AND AVOID COSTLY WEATHER DELAYS

Coatings are applied in a controlled environment under optimum conditions with specific ranges of temperatures and humidity. A variety of substrates including cedar, pine, redwood, fiber cement and other composite building materials can be effectively coated using the Olympic machine application system. Project problems that result from dealing with adverse weather conditions are eliminated helping to keep projects on schedule.

### MACHINE APPLICATION LOWERS IN-PLACE COATING COSTS UP TO 40%

Save the time associated with the setting up and cleaning up of the jobsite necessary when field coatings are applied. No more tarps, brushes, rollers, rags and other accessories are needed. Costly callbacks and claims are virtually eliminated. Projects will have instant curb appeal the moment siding and trim is installed.

### PLUS AN IMPROVED QUALITY FINISH WITH WARRANTED PERFORMANCE

Machine application assures an even consistent coating and overall improvement in quality. Lap marks, runs, sags and shrink line defects are eliminated. A wide selection of Acrylic and Alkyd-based primers and topcoats are available in a full spectrum of colors to meet most any project need. And it's all backed by long-term warranty programs\* from the machine applied coating leader... Olympic/ PPG Industries.



\*Warranties vary by product.  
See actual warranty for complete details.

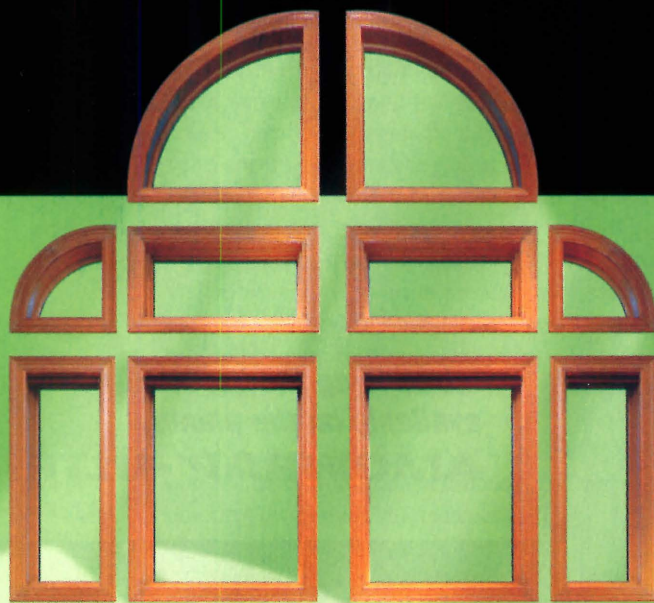
Circle no. 283

FOR A COMPLETE LIST OF AUTHORIZED OLYMPIC MACHINE APPLICATORS CALL TOLL FREE 1-877-MACHAPP • 1-877-622-4277





YOU WON'T HAVE TO  
ASK YOUR **CUSTOMERS**  
TO ACCEPT LESSER  
**WINDOWS** – ALTHOUGH  
YOU WILL HAVE TO  
EXPLAIN THAT THEY'RE A  
**BETTER VALUE.**



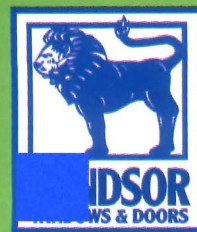
SAVING MONEY DOESN'T HAVE TO MEAN SETTLING FOR LESS. WHEN YOU INSTALL WINDSOR WINDOWS, YOU GIVE YOUR CUSTOMERS A HIGH QUALITY, DURABLE WINDOW THAT'S EASY TO INSTALL AND OFFERS LOTS OF OPTIONS. BEST OF ALL, BECAUSE THEY'RE A BETTER VALUE, THEY LEAVE MONEY IN THE BUDGET TO ADD THE KINDS OF OTHER EXTRAS THAT HELP SELL HOMES.

Circle no. 27

WINDSOR SERIES WOOD • NEXT DIMENSION SERIES VINYL • LEGEND SERIES CELLULAR PVC • 800-887-0111

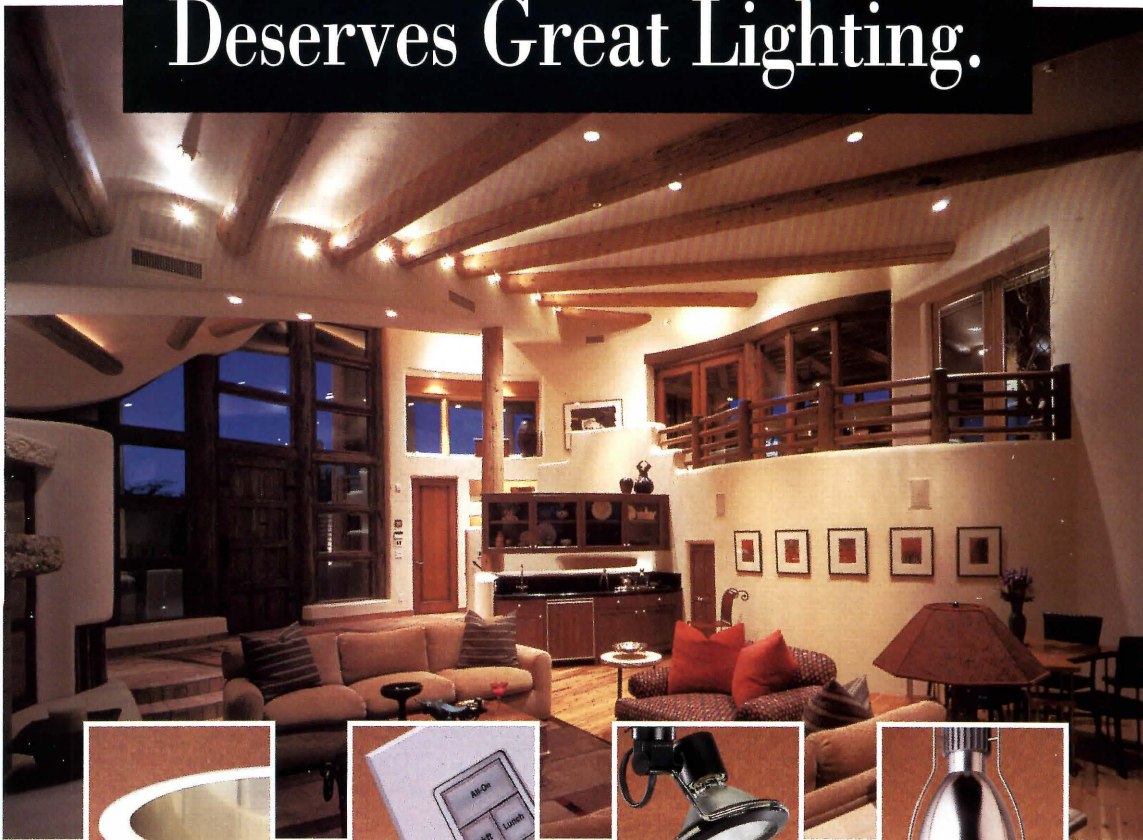
WWW.WINDSORWINDOWS.COM

WIN / WIN ... ANY WAY YOU LOOK AT IT.



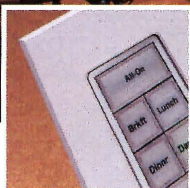


# Every Great Space Deserves Great Lighting.



## *Recessed*

High performance, unobtrusive lighting that integrates into any interior.



## *Controls*

State-of-the-art technology that provides energy savings and control over the lighting environment.



## *Track*

Setting the standard for innovation, versatility and performance in accent and display lighting.



## *Decorative*

Visually distinctive, offering the perfect blend of function, style and performance.

**Lightolier** offers visually distinctive lighting that carefully integrates into the environment to provide accent and enhance details, bringing out the inherent beauty of a space. And no wonder, for over 95 years, our products have set the standard for innovation, quality and performance. Whether downlighting, track, decorative or lighting controls, each family of Lightolier products utilizes state-of-the-art technology to achieve the exact look and feel that you and your customers demand. Complementing our technology, we offer superior design aesthetics and the best warranty in the industry. To learn more about how Lightolier can enhance your next project, contact your local Lightolier sales representative or visit Booth 925 at Lightfair in San Francisco on May 11th, 12th and 13th.



Be sure to visit us at [www.lightolier.com](http://www.lightolier.com)

Circle no. 75

# **LICHTOLIER®**

Lighting that makes a difference.<sup>SM</sup>



# a trip to haiti

an architect encounters hope and ingenuity in one of the world's poorest countries.

by thomas j. carleton, aia

**f**or decades, I've wondered how I could contribute personally to the well-being of people who live in poor Third World nations. Last October, I spent eight days in Haiti. The trip rekindled my longing to use architecture to better the human condition. Words like bizarre, wonderful, exhausting, fascinating, and weird come to mind when I try to describe my visit to the poorest country in the Western Hemisphere.

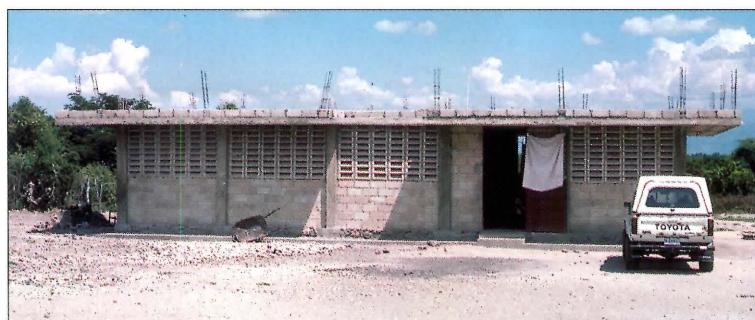
## volunteer work

You will not find Haiti in many tour books of the Caribbean. So why did I choose to go there? I was invited to go by Engineering Ministries International, a group of Christian design professionals in Colorado Springs, Colo. (You can contact EMI at 719.633.2078 or [info@emiusa.org](mailto:info@emiusa.org); Web site [www.emiusa.org](http://www.emiusa.org).) I had e-mailed them a note asking if they needed any help. Within three weeks, they booked me on a plane to Port-au-Prince, the country's capital city.

In Port-au-Prince, I hooked up with several engineers who had volunteered to design an addition



Photos: Courtesy EMI



A small hut nestles in a lush valley (above). Steel reinforcing rods poke out of a concrete house's roof in anticipation of a second floor (left).

to a hospital on the north shore of the island. While waiting for the next flight, we relaxed on a hotel veranda and listened to fascinating stories about life in Haiti. Our host had just built a home in the city with EMI's drawings. As we sipped native fruit juices, she pointed to an adjacent construction site and explained that most buildings in Haiti are constructed of concrete block

made on site. Wood is scarce, and plywood is even rarer, she said. Consequently, Haitians have devised a unique method of building houses: They lay rows of concrete blocks, each flat on the underside and round on top, leaving gaps for smooth reinforcing rods between the blocks. Then, they hand-pour a concrete slurry to form a roof slab or intermediary floor.

## another world

Later that day, as our Cessna descended into the city of Port-de-Paix, we could see people below bathing in a muddy river. We landed on a dirt airstrip adjacent to a dusty hut with walls of woven sticks. A few pieces of laundry hung nearby. I watched a woman sweep dirt from the front stoop of the hut. Despite her humble surroundings,

*continued on page 44*



# Kwiklift – taking independence to another level.

Concord's Kwiklift is a residential elevator designed to provide independence. The Kwiklift is a reliable means of vertical transportation in multilevel homes.

Kwiklift's dependable, quiet and smooth operation is ensured by its innovative hydraulic drive system.

A variety of cab finishes and colors allow you to customize the cab design to satisfy your personal needs.

The Concord Kwiklift offers many features that are costly options on other elevators.



*Illuminated push button car and landing control stations.*



*Manual lowering device.*



*Variety of cab configurations available including straight through, 90 degree exit and side entry.*

Kwiklift is the ideal choice when selecting a luxury elevator for the home.

At Concord, our focus is on quality assurance, reliability, and attention to detail. Our top priority is always customer satisfaction.

When you choose a Kwiklift Elevator, you can feel confident that you are selecting the best residential elevator available today.

This is why we invite you to **"Discover the Difference."**

## *"Discover the Difference"*

Whenever you need a lift, Concord is there. For more information about the economical, high-quality Kwiklift or any other Concord accessibility product, call today.

**1-800-661-5112**  
**905-791-5555**

Or simply fill out the form provided and mail or fax it to 905-791-2222



**CONCORD**  
*Innovation in Mobility*



Send me a brochure about the Concord Kwiklift Residential Elevator.

Name

Address

City  State/Province  Zip/Postal Code

Home Phone



Mail to: Concord Elevator Inc.,  
107 Alfred Kuehne Blvd., Brampton, ON  
Canada L6T 4K3 or Fax: 905-791-2222



there was pride in her appearance and demeanor. A small donkey bearing a thin woman ambled by. I was overwhelmed—not with pity, but with a deeply felt empathy.

Curious young Haitians surrounded the plane. In contrast to the more assertive crowd outside the airport in the capital, these youngsters were welcoming and friendly. Apparently, we were the event of the day.

We were greeted by Dr. Paul Eckhoff, the surgeon at the Center Medicaire Beraca, a trauma center serving 100,000 people. The drive through Port-de-Paix was remarkable. The doctor expertly navigated the Jeep around potholes in the narrow, dusty road, which was clogged with people, mopeds, cars, and trucks.

The congested traffic squeezed along between plaster buildings covered with words in Creole. Many of the buildings were run-down; some were brightly painted. People were everywhere. All along

the road were makeshift boutiques set up to sell wares of every description.

### settling in

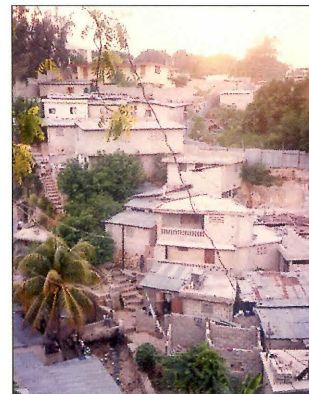
After a half-hour drive, we passed through the steel security gate of the residential compound where we would spend the next week. The accommodations were surprisingly pleasant—“old Florida” style with white stucco-covered walls, painted concrete floors, and metal roofs.

We were assigned our quarters, warned not to drink the tap water, and given instructions on how to use the mosquito repellent. Dr. Eckhoff gave me a package of malaria pills because of an outbreak of a particular strain in that part of Haiti.

Each evening, the electricity (and the fans) went off at around 9 p.m. and did not start up again until the next morning. That first night, I lay sweating beneath my bedsheets, which I did not dare remove for fear of being bitten by mosquitoes. The

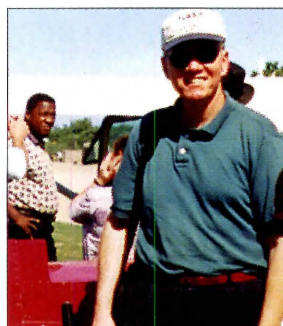


Photos: Courtesy EMI



The Haitians the author (below, left) spoke with expressed pride and optimism in spite of their impoverished living conditions.

“curious young haitians  
surrounded the plane,  
welcoming and friendly.  
apparently, we were the  
event of the day.”



coolest part of the day came at 5 a.m., just before sunrise; that is also when the streets would come alive with the noise of cars and trucks and people.

### setting up shop

We saw the hospital complex the next morning. Many of the buildings, particularly the patient wards, were in need of serious renovation or replacement. The oldest was made of rammed-earth walls with wood pole rafters and a rusting tin roof. While we were there, one patient, probably from a rural outpost, had trouble opening the door of a patient room

because he had never encountered a doorknob and did not know how to twist it.

We set up shop for the week under two large fans in a conference room in the relatively new surgery building. During seven days of intensive brainstorming and planning, we completed hand drawings for a 50-bed addition, an admissions/records office, a dental suite, a pharmacy, a warehouse depot, and a residential apartment. At one point we built a full-scale mock-up of a typical patient room—complete with gurneys—in the grass

*continued on page 47*



THE KITCHENAID® KITCHEN IN BISCUIT.

IT'S *not exactly* WHITE.  
IT'S *not exactly* ALMOND.  
IT'S EXACTLY  
*what your clients are looking for.*

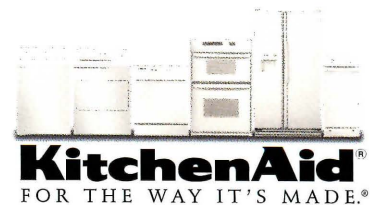


Black  
White  
Almond  
BISCUIT



**BISCUIT**, our latest appliance color, is hard to describe — and harder to forget. It's warmer than white, more subtle than almond, and blends with any kitchen décor. KitchenAid is the first to offer appliances in this contemporary neutral color, already popularized in Kohler® and DuPont CORIAN® products.

**BISCUIT** is available in a full line of KitchenAid appliances. Best of all, with our heritage of enduring quality, you know you can recommend KitchenAid to your customers with confidence — and when all's said and done, that's exactly what you're looking for.



[www.BuilderAppliances.com](http://www.BuilderAppliances.com)  
[www.KitchenDesigners.com](http://www.KitchenDesigners.com)  
1.800.253.3977

KitchenAid® is a registered trademark of KitchenAid, U.S.A.  
Kohler® is a registered trademark of Kohler Co.  
CORIAN® is a registered DuPont trademark. Only DuPont makes CORIAN®.



It traveled millions of miles to get here.

The least you can do is let it in.

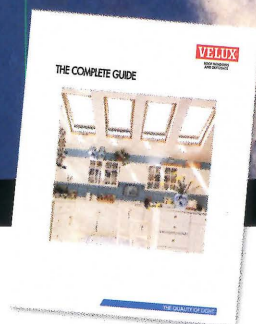
roof windows and skylights

**VELUX®**



For your free brochure call

1-800-283-2831. [www.VELUX.com](http://www.VELUX.com)





outside our window, to check dimensions.

At the end of the week-long design charrette, we returned to Port-au-Prince. As before, entrepreneurs lined the street. Zoning is unheard of in Haiti. Modern gas stations press up against wood huts with thatched roofs. An industrial facility rubs shoulders with a colorful children's entertainment park. On the outskirts of town, many of the roads are not paved—or even graded—except for a

“I realized that what at first had appeared to be a building boom was actually an ongoing struggle to survive.”

stretch of smooth asphalt that passes the president's home.

### architecture of hope

I marveled at the many concrete block houses in varying stages of construction on both sides of the unpaved roads. When I asked why it was so common to see steel reinforcing bars sticking haphazardly out of concrete roofs, one of our guides explained to me that this was the “architecture of hope.”

Builders would add a few cement blocks at a time as they could afford it, eventually building the first floor with a flat roof, which would serve as the platform for the second floor. I realized that what at first had appeared to be a building boom was actually an ongoing struggle to survive.

Yet despite the dire conditions, most of the Haitians I talked to expressed optimism about their future. I was impressed by their faith, hope, and commitment to each other.

### afterglow

Since returning to California, I have struggled to describe my “adventure” in Haiti, but words and photos seem inadequate. How do you talk about a life-changing cross-cultural experience without sounding melodramatic?

I look forward to traveling more for EMI. The actual destination seems almost irrelevant. I'm happy to go anywhere they need an architect—someone to listen, extend a helping hand, and offer some hope. *ra*

*Thomas J. Carleton, AIA, is a sole proprietor in Salinas, Calif. He does a mixture of residential and commercial work, including custom homes, churches, retail stores, offices, and warehouses.*

## Conserve energy.

### Install a VELUX.

VELUX skylights and roof

windows are designed to

provide your customers with

an incomparable view of the

heavens while preventing heat

gain and loss. Constructed

of high efficiency Comfort™

and ComfortPlus™ low-E glass

featuring the latest insulated

glazing technology, they

eliminate the need to increase

HVAC load requirements and

comply with energy codes.

For a brochure

and price information,

call 1-800-283-2831.

Circle no. 24

**VELUX®**



# Thermo-Ply<sup>®</sup> repels attacks by moisture, drafts and huns.

Protect your fortress with Thermo-ply protective wall sheathing.



Circle no. 232

Thermo-ply Protective Sheathing is a fine product of Simplex Products a



company Adrian MI 49221 (800) 345-8881

Other building products include R-Wrap<sup>®</sup> and Barricade<sup>®</sup> Housewraps, Finestone<sup>®</sup> EIFS and Architura<sup>™</sup> Interior Finishes [www.simplex-products.com](http://www.simplex-products.com)



HOMEBUYERS LOVE LOTS OF CHOICES.  
GIVE THEM ONE.



The Patented Raynor  
Finger Protection System™ pushes  
fingers out of harm's way.

**RAYNOR®**  
GARAGE DOORS

Over 500 Distributors Serving  
North America and 35 Nations Worldwide.

No single door gives your customers more choices than the Prisma from Raynor. Unlike any other garage door available, Prisma lets you combine Colonial square panels with rectangular Ranch panels for a truly distinctive appearance. Add color and window options, and the possibilities are endless. Call 1-800-4-RAYNOR or visit [www.raynor.com](http://www.raynor.com) for the authorized Raynor dealer nearest you. And see what a difference one garage door can make.

RAYNOR  
**PRISMA™**  
WITH CUSTOM PANELS

Circle no. 77



# a thousand words

never underestimate the value of good architectural photography.

by carolyn leber

**m**any architects see the process of photographing their projects as a sideline to the real work of designing homes—something to be taken care of if time and budget allow. But few other tools possess the image-enhancing powers of a well-developed photo portfolio. Not only does it show off your design acumen, but it tells a great deal about your firm's vision of itself.

## choosing a photographer

Every city has a bevy of architectural photographers who have worked for years to perfect their craft. To find the one that's right for you, call architecture firms whose work you admire and ask for recommendations. Look through design sections of magazines, noting photographers' credits for the images you like. Do the same with design books, looking for work from your area.

When evaluating photography, make certain images look evenly lit; offer vibrant, true color; and display striking textural combinations. Take note of both composition and subject matter.

Remember that while your objective as an architect is to showcase your design work, the photographer's goal is to render artistic pictures. At times these objectives are at cross purposes. Clever photographers resolve this disparity by choosing creative angles that represent both architecture and art.

## a day's work

Most photographers work on full or half-day schedules; few offer hourly rates. As a general rule of thumb, budget approximately \$2,000 for a full day's shoot, including material expenses. The number of images generated in a day's work depends on the photographer, camera format, and lighting complexity.

Large-format cameras that produce 4-by-5-inch transparencies yield about six shots in a full day. "Four-by-five lenses are sharper and produce more sculptural transparencies," says photographer Matthew Millman, who shoots for a number of high-profile publications. "Rooms with loads of drama are best photographed with large-format equipment. The scale is appropriate for capturing their elegance."

Smaller-format cameras, such as those that use 2¼-



© 1998 Matthew Millman

Shot during the first 15 minutes of twilight—what photographers often call "the magic minute"—this photograph invites the viewer right into the house. The warm interior against the violet sky illustrates the organic nature of San Francisco architect Peter Pfau's design. The angle demonstrates the expansive scope of a 4x5 lens. The image was deliberately composed with clean reveals on both sides, as a potential cover shot to woo magazine publishers.

inch film, can turn out as many as 10 to 12 shots per day. They work best in tight spaces such as bathrooms or bedrooms, where small details are important. I recommend staying away from 35mm for anything other than scouting shots. The result is too grainy and soft for architectural work.

If you've ever attended a photo shoot, you've observed that setting up the lighting takes far longer than actually making the pictures. So if the house requires tricky lighting or has numerous reflective surfaces, expect a lower daily output from your photographer.

*continued on page 52*



AUTHORIZED  
VIDEO DESIGNER  
DRIVE

Sony Can Make Your Plans More Entertaining.

Roofing  
Electrician

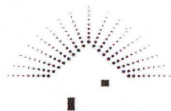
Plumber

Carpenter

Audio/Video

Sony Authorized  
Audio/Video Designer  
1-800-295-7669

SONY

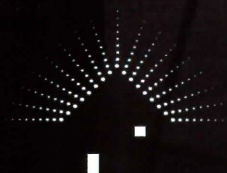


CONSUMER INTEGRATED SYSTEMS

Just relax — because you're in the hands of the real professionals. Nobody knows more about home entertainment than Sony. That's why Sony is your best choice for planning a home entertainment system that delivers real theatrical impact. A system with the latest components and state-of-the-art technologies, for spectacular video and sound. How do you get started? That's the easy part: just call your Sony Authorized A/V Contractor. For a name and location in your area, call: 1-800-295-SONY (7669).

Circle no. 80

SONY





## working out details

Whatever camera format you choose, make certain you specify—before the day of the shoot—how many shots you expect and which ones they are. If you intend to submit your finished shots for publication, be sure to clarify in advance whether the photographer expects to collect usage fees. Many photographers grant unlimited usage rights as part of the fee you pay them, particularly if this intent is discussed in advance. Others are not as liberal in their terms and require publishers to pay for the use of each image. Choose a photographer who is flexible about usage; after all, getting published is one of the reasons you got your work photographed in the first place!

## art direction

When choosing what to photograph, pay special attention to kitchens and baths. As they review your portfolio, prospective clients will look at these rooms as a litmus test of your overall talent as an architect. Discuss with your photographer the leading features in each room to be shot. "Exotic wood veneers, dramatic mantels, staircases, unusual appliances—all should be emphasized in your photos," says award-winning photographer John Sutton. "Judicious camera placement will demonstrate their relevance

to the rest of the room."

Don't try one shot of a large room, hoping to impress with sheer size. The result is usually cold and unattractive. Instead, shoot a variety of well-composed vignettes that show off the architectural details you want clients to notice. In small rooms, avoid three-wall compositions. The bowling-alley effect makes the space look doubly cramped.

Open windows for a breezy, fresh-air look. And unless sun is pouring in the room, always light the fireplace. In kitchens, don't point the camera down countertops as if coming in for a landing. Again, use the camera to point out details.

## working with furnishings

What if the client's furnishings don't suit your design? Homeowners rarely have the time or money to deck out their new houses shortly after completion. And their tastes may not coincide with yours.

Many architects make the mistake of assuming that their work is best seen without client influence. But shoving all the furniture out of the frame will backfire. Empty rooms never read well (and magazines won't publish them). Besides, future clients want to see how furnishable your rooms are.

Instead, position furniture so it's inviting. Cover

The vertical 2¼ format of this photograph captures the room's volume and drama while conveying a feeling of intimacy. The image offers contrasting textures—velvet furniture and a stone fireplace—and a warm color balance. Family photos on the mantel lend a personal touch. The room—which was designed by Michael Weil Design of Fresno, Calif.—looks like an inviting place to curl up at the end of the day.



© 1998 John Sutton

bad upholstery with throws. Set out props that look natural, such as cups of tea and open books. Use fruit and flowers to add texture and color. They can distract the eye from less-than-perfect furnishings, so use them liberally. Use props even in formal rooms, to avoid a stuffy, uptight image.

## lasting impressions

As the saying goes, there are no second chances at first impressions. Great photographs have immediate impact, and they say more about your professionalism than any other single element. There simply is no substitute for a portfolio that sings your praises the minute the cover is flipped back. *ra*

*Carolyn Leber is a publicist and freelance writer. Her San Francisco-based firm, Maverick Communications, specializes in architectural PR.*

## resources

### The American Society of Media Photographers

609.799.8300  
www.asmp.org

### Professional Photographers of America

www.ppa-world.org

### Advertising Photographers of America

(San Francisco chapter)  
415.882.9780

### Advertising Photographers of New York

212.807.0399

### Photographing Buildings

*Inside and Out.* Norman McGrath. Whitney Library of Design. A noted architectural photographer explains how to compose shots that keep architecture as the focal point.

### The Photography of Architecture & Design.

Julius Shulman. Whitney Library of Design. This book focuses on commercial photography, but its principles relate to residential work as well.



*I will not effloresce, chip,  
flake or fade over time.*

*I will not effloresce, chip,  
flake or fade over time.*

*I will not effloresce, chip,  
flake or fade over time.*

*I will not effloresce, chip,  
flake or fade over time.*

*I will not effloresce, chip,  
flake or fade over time.*

*I will not effloresce, chip,  
flake or fade over time.*

*I will not effloresce, chip,  
flake or fa*

## A Celadon™ Ceramic Slate™ Roof

1. Delivers the beauty and charm of a natural slate roof, minus the excessive weight, risk of inconsistent quality and high cost
2. Averages 600 pounds per square vs. natural slate - up to 1,600 pounds per square
3. Features the texture, thickness, and elegance of quarry mined slate
4. Available in five natural colors
5. Backed by a 60 year limited, transferable warranty



Celadon™  
CERAMIC SLATE™

800-699-9988

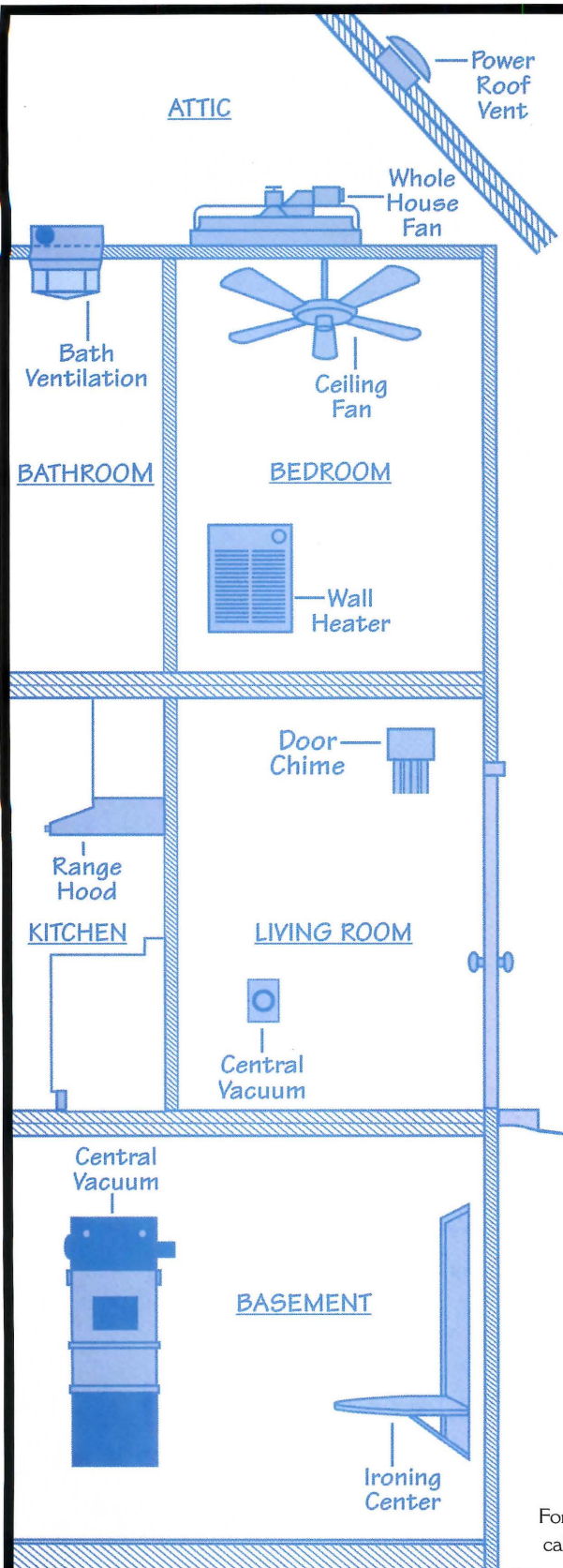
[www.celadon-slate.com](http://www.celadon-slate.com)

Circle no. 57



A Quality Brand of CertainTeed Corporation





## FROM TOP TO BOTTOM, PATTON® HAS YOU COVERED.

And you can count on Patton's quality workmanship because our full line of building products enjoys the same quality standards that we've put into our industrial line of products for over 50 years.

In addition to all the core items you need, Patton offers a variety of fashionable styles based upon homeowner tastes and opinions. These items give you the opportunity to address what today's consumer is looking for: quality with fashionable design.

You also get the reassurance that any question you have about a Patton product will be addressed by a fully staffed customer service department.

So think Patton Building Products and see how refreshing building products can be.

**PATTON®**  
BUILDING PRODUCTS



For more information  
call 1-800-334-4126.





# Waterproofing vs. Dampproofing.

Dry is Why waterproofing is clearly better.



A Dutch legend tells of a lad who saved his town from a water catastrophe by plugging a leaking dyke wall with his finger.

Today, architects, builders and homeowners fight to avoid a different kind of water disaster. In newly constructed basements, they're looking for the right kind of protection against leaks.

Unfortunately, many people don't know there's a dramatic difference between dampproofing and the superior alternative of waterproofing.

## The dampproofing approach.

The typical method of dampproofing involves applying a layer of unmodified asphalt that's only 10 mils thick when cured. (Historically, this material wasn't created to protect basements or even repel water. In fact, it's a type of primer to prepare road surfaces for other materials.) It degrades quite quickly underground, becomes brittle and shatters at low temperatures. So even thicker applications would yield little, if any, improvement.

This unmodified asphalt won't span foundation settling cracks, nor will it stop water flow under hydrostatic pressure – both of which occur naturally underground. As a result, dampproofing only delays water penetration instead of providing a long-term preventive shield against it.

## The waterproofing advantage.

Koch Waterproofing Solutions offers a range of waterproofing alternatives, each of which outperforms dampproofing dramatically. Every Koch solution begins with a polymer-modified asphalt membrane that provides a minimum 40 mils of protection when cured.

This base membrane spans and seals foundation settling cracks. Plus,

the membrane remains elastic at low temperatures for reliable performance, season after season.

And that's just the beginning. With Koch's family of TUFF-N-DRI® and WATCHDOG WATERPROOFING™ solutions, you can specify extra peace-of-mind – ranging from additional protective membrane layers to high-quality foundation boards that protect

Or to confidently store virtually any item without fear of water damage – freeing more floor space upstairs to use as they like.

## Protect your interests.

Guaranteed Dry Basements from Koch also help seal your reputation, and protect your builder partners from profit-robbing callbacks.

### Builders Reporting callbacks on basement leaks

Callbacks while using TUFF-N-DRI less than 1%

Callbacks while using Dampproofing 85%

### Differences between dampproofing and waterproofing products from Koch Waterproofing Solutions

	Elasticity	Resists Hydrostatic Pressure	Resists Deterioration
Koch	Yes	Yes	Yes
Dampproofing	No	No	No

the waterproofing membrane, channel water to the drainage system and insulate basement space inside.

No wonder Koch offers the assurance of Guaranteed Dry Basements\*\* with some of the best warranties in the industry. Try getting a guarantee like that with any dampproofing product.

## Dry is why you can build in more value.

With your choice of TUFF-N-DRI and WATCHDOG WATERPROOFING solutions from Koch, you're not only offering Guaranteed Dry Basements to homeowners. You're providing the value of multiplying the usable space of their homes' floor plans.

A Guaranteed Dry Basement enables homeowners to transform basement space into an entertainment center, a home office, or a playroom for the kids.

A recent survey revealed that the most common problem home inspectors find in homes less than 12 years old is basement leaks.\* And builders who dampproof report a high rate of callbacks (see charts).

So why choose waterproofing over dampproofing? DRY is WHY it's no contest. For details on the full range of waterproofing solutions available to fit your needs, call Koch at 1-800-DRY-BSMT.

Visit us at the  
Western Building Show  
Booth #3001.

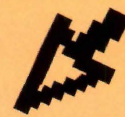


\*Source: USA Today, May 21, 1997 Builders reporting callbacks on basement leaks. \*\*See limited warranty for details.



# WHERE THE HOUSING INDUSTRY DOES BUSINESS

<http://www.hbrnet.com>



**BUILDER**  
ONLINE

residential architect  
ONLINE

**Remodeling**  
ONLINE

Hanley-Wood's  
**TOOLS OF THE TRADE**

**OLDHOUSE**  
Journal Online

**HOME PLAN**  
Designs

GUIDE TO BUILDING PRODUCTS

**HBRnet**

- Channels:
- DESIGN
  - PRODUCTS
  - HOW-TO
  - BUSINESS
  - THE STORE
  - TALK CENTRAL
  - HOUSE PLANS
  - TECHNOLOGY
  - WEB SITES
  - SPECIAL REPORTS
  - PROGRAMS & CONTESTS

- Extras:
- Subscribe to our magazines.
  - Search BUILDER Online's archives.
  - See a staff directory.
  - Advertise online or in our magazines.
  - Contact nearly anyone at Hanley-Wood, Inc.
  - See a list of job openings.
  - Want to make HBRnet home page? Here's

September 25, 1998

## AWARD-WINNING REMODELS

Looking for bright, beautiful designs and problem solving at its best? Explore these 22 award winning designs. [REMODELING Online](#)

## Out of the Box

BUILDER's September cover story explores explosive growth of manufactured housing blurring the line between stick-built and site-built, a few progressive builders are the crowd to the market. [BUILDER Online](#)

**Tool Test: Belt Sanders**  
Senior Editor Bill Broclevay pushes 15 leading belt sanders to their limits. [TOOLS OF THE TRADE Online](#)

**And the Archie Goes To...**  
See who's won the latest Archie, our that spotlights the best architecture in World Wide Web. [residential architect Online](#)

## You Can Plan On It

Our home plans super site offers thousands of searchable home plans, guides to home planning, plans for home and garden projects--even historic house plans. [Home Plan Designs](#)

## SPOTLIGHT

## Breaking News:

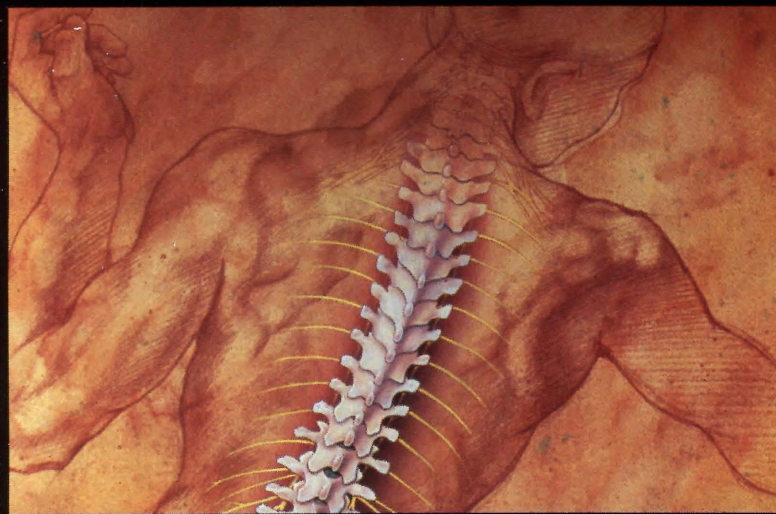
- Jobless Claims Fall in Latest Week
  - Stanley Shortfall Will Force More Changes
  - Senate Approves Bankruptcy Bill
  - Greenspan Signals Fed Ready to Cut Rates
- [more news](#)

THE HOME BUILDING & REMODELING NETWORK  
**WWW.HBRNET.COM**



Hanley-Wood, Inc.

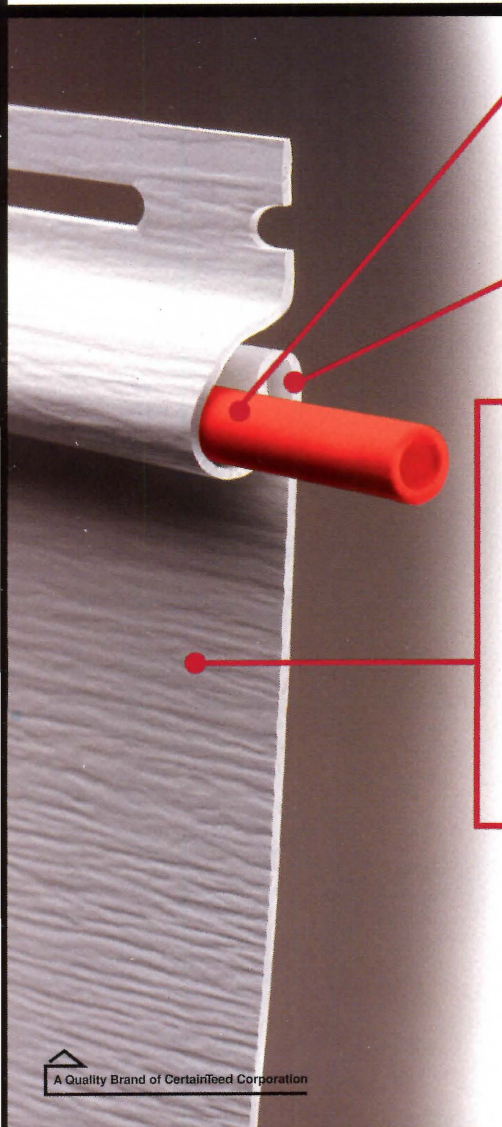




I N S P I R A T I O N

I N N O V A T I O N

# Benchmark44™ Vinyl Siding. With the backbone to perform over time.



## Patented, Award-Winning Reinforcement System



Benchmark44's composite fiber-glass StabilizeR™ rod works like a backbone, so panels lay straight and stay straight for the long term. Rigidity makes it easier to handle; fewer damaged panels on the job.

## Deep Channel and Lock

With Wolverine's channel and lock system, panels snap positively into place. Walls go up faster and stay attractive longer.

## PermaColorPVC™ Resin Formula

Wolverine's proprietary resin and blending system assures Benchmark44's color permanence and low-maintenance endurance.

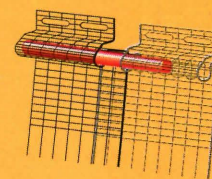
## Wide Selection of Profiles and Colors

D4" and D5" clapboard and D4.5" dutchlap profiles in a low-gloss cedar grain finish are available in 13 popular colors. Benchmark44 passes Vinyl Siding Institute testing for product uniformity, weatherability, heat shrinkage and impact resistance.

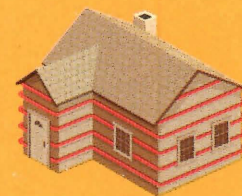


## The Wolverine Exterior Design System

With Wolverine soffit and Restoration® decorative panels and trim, Benchmark44 forms a complete exterior design system.



*For LapLock™ installation, slide the StabilizeR rod from one panel into the next.*



*Using LapLock, Benchmark44 works like a "rebar" all around the house.*



*For more information and free CADSPEC-CD™, call the Wolverine Sales Support Group at 888-838-8100.*

A Quality Brand of CertainTeed Corporation

**Wolverine®**  
VINYL SIDING

*Great looks that last.™*

Circle no. 28





TMS Architects, the firm that earned the judges' highest praise, is led by principals John Merkle (left) and William Soupcoff.

Danny Turner



1999

# business leadership awards

integrity

innovation

creativity

community service

financial success

“t

here are a lot of different—and valid—ways to run a successful architectural business.”

So concluded judge Tom Gallas at the end of a day spent scrutinizing the 16 architecture firms that entered *residential architect*'s first annual Business Leadership Awards contest.

Gallas and co-judge Bill Manion identified five firms that demonstrate excellence in

residential architectural practice in each of five areas: practice management, marketing, design innovation, community service, and financial success. The winners are profiled on the following pages; TMS Architects, Portsmouth, N.H., took top honors.

The judges measured entries not against each other but against the profession's highest standards, looking for balanced, well-rounded firms. And while the honorees have very different organizational structures and areas of focus, Manion described each as having “a clear vision for the firm, a plan to fulfill that vision, sound execution of the plan, and work that reflects the vision.” In short, these firms do things right.

by  
ann marie  
moriarty



# tms architects / top honors

Portsmouth, N.H.

**Principals:**

John W. Merkle, AIA;  
William Soupcoff, AIA

**Founded:**

1984

**Employees (including principals):**

9 full-time, 2 part-time

**1998 pretax revenue:**

\$697,128

**Gross revenue per employee:**

\$77,459

“a

balanced firm, well-rounded, relatively profitable, with a well-directed plan and good aesthetics.” Those were the characteristics that led the judges to rank TMS

Architects first among near-equals in terms of business leadership.

One of the keys to the firm’s success is good old-fashioned trial and error—and the ability to learn from mistakes. Staff size expanded and contracted with the economy’s ups and downs in the early years; the experience wasn’t pleasant. That led to the decision that lean and efficient was the way to go, even in good times.

The partners knew automation could help cut expenses, but didn’t opt for off-the-shelf products. “We got software and hardware that fit our needs,” says John Merkle. “It’s a UNIX-based system. We avoided Bill Gates and all the software churning.” Today, TMS boasts more than a decade of experience on a stable system, with no time or money spent mastering upgrades or new operating systems. The firm’s two partners, plus nine staffers, handle nearly \$700,000 worth of work. They also produce a healthy profit, more than half of which flows into pension and profit-

sharing plans. Another third goes into bonuses, and about a tenth is channeled back into the business.

But even lean machines have to be fed. The judges called the TMS approach to marketing “exemplary,” and said that it “makes the firm a recognizable product.” The firm targets three areas: custom residential, private schools, and corporate commercial work, often with a historic or adaptive-use bent.

Marketing begins with quality photography. “We feel that striking photography speaks for itself,” says Merkle. For its brochures, the firm had designer Janet Prince create simple but attractive pieces with plenty of color photos and little copy. In addition to sending the brochures to prospects, the partners distribute them when they give seminars, and staff members send them to land purchasers who are likely to build, along with a letter introducing the firm.

Most of TMS’ marketing, though, is one-on-one: the networking that happens at chamber of commerce meetings, the referrals from satisfied clients, the school directors who talk with each other about the work TMS has done for them. (Even the brochure designer became a client.)

This tight focus is characteristic of the practice as a whole. Merkle says the



Photos: Dan Gair Photographic



Merkle and Soupcoff and their staff enjoy a bottom-up management moment (left) between projects such as this custom retreat in the White Mountains of New Hampshire (right); the home’s kitchen features lots of wood and stainless steel appliances (opposite, left).



1999

## business leadership awards

firm's goal is to do everything more efficiently—which means not only using work time effectively, but also targeting the right markets, looking for the best clients, and charging appropriately.

Does a focus on efficiency mean that TMS risks burnout? “We’re up front about workload,” says Merkle. “When we consider taking a new job, we all discuss it over lunch, and decide if we can do it. We’re flexible and task-oriented when it comes to work. People can set their own hours as long as the work we’ve decided to do gets done.” And when it isn’t the right project, “We say no.”

The firm chooses its employees carefully, looking for hard workers who relish a challenge. “We hire character,” says Merkle. The partners see community involvement as one indicator of the kind of character they’re looking for in employees. TMS staff—including the partners—contribute design expertise to area schools and work directly with local children.

The next goal the partners see on the horizon is retirement. “Bill and I are both about 50,” says Merkle. “We’re looking to start the process of ownership transition.” It’s a process that’s likely to be as thoughtfully planned and well-managed as every other aspect of their business.



This vacation home on the coast of Maine (top and right) includes a curved second-story balcony overlooking the ocean, and a circular sunroom.



# looney ricks kiss

Memphis, Tenn.

**Principals:**

J. Carson Looney, FAIA;

Frank Ricks, AIA;

Richard Kiss, AIA;

Darrell Russell, AIA

**Founded:**

1983

**Employees (including principals):**

138 full-time

**1998 pretax revenue:**

\$14.1 million

**Gross revenue per employee:**

\$102,089

the judges, has led directly to the firm's "well-thought-out management structure."

LRK's highly diversified practice includes residential, office/commercial, banking/financial, hospitality, and health-care projects, as well as land planning. Yet, it was clear to the judges that its managers "have a clear idea of who they are, and what they want to do."

While LRK is large, it works like a collection of firms, each headed by a principal. The semi-autonomous divisions share design ideas. "We don't do 'market-ecture'," says Looney. "We take traditional scale and proportion and update it" while maintaining its connection to history. "We do places that live well." To help designers hew to that high standard, LRK holds regular design review sessions—with input from all divisions. "We express our opinions, but no one attacks anyone," says Looney. "The review process is now part of our culture. People request that their projects be reviewed. I get input on my projects too."

s part of our strategic plan," says Carson Looney, "we try to define the firm that will put us out of business—and become that firm." That no-holds-barred approach, noted

While design cross-pollination certainly fosters a sense of involvement and ownership, LRK goes a step further by creating actual owners. Company profits are distributed to employees as bonuses, and the company then invites those employees to buy stock. Of 138 employees, 33 own LRK stock. "Since we've sold stock," says Looney, "we've never had a negative year." This plan also makes for easier transitions, since there's a pool of owners to buy out any retiring partners. "If the firms we'd worked for before had done this," says Looney, "we probably wouldn't have left to start LRK."

The firm's approach to marketing begins with choosing good clients, giving them top-notch design and service, and then telling them what else LRK can do for them. The next step is letting the rest of the world know about their successes—which include more than 170 design and planning award-winning projects, including Harbor Town in Memphis and the Idea House in Celebration, Fla.

Community involvement is part of the mix too. Principals and associates serve in mayoral appointments on advisory boards for civic projects, and on nonprofit and professional boards. The firm also supports more than a dozen local charitable efforts.

The judges summed it up best: "LRK is a sophisticated firm—a real standout."



Photos this page: © 1998 Steve Hinds

LRK's Caruth at Lincoln Park, in Dallas, features gables, porches, and brick walkways that evoke an earlier era. Paige Close, the company's director of multifamily, led the design team for the project.



1999

# business leadership awards





# mahoney architects



The firm's team includes (clockwise from top) Alex Terry, Colleen Mahoney, Laurie Friedman, and Don Hutchins. Faithful followers Kay Cee (left) and Piccola look on.



1999

## business leadership awards

the judges were quick to pick up what Colleen Mahoney's firm is all about: "It's not just technical proficiency or marketing savvy—there's a sense of balance," they said.

There's the balance between work time and other time: "We never work overtime, weekends, late at night," says Mahoney. "I want each of us to have a life outside of the practice."

There's the balance that comes from variety in design challenges. She opened a second office in Petaluma because of the greater availability of commercial work there: "I want to avoid limiting myself to only residential. Diversity keeps my interest level up." The firm has taken nonresidential projects as diverse as a fire station and a Buddhist temple.

There's the balance between taking in and giving back. While she's content to work for the wealthy, Mahoney also gives her time to organizations like Rotary (past president), the chamber of commerce (executive board), Habitat for Humanity, and Christmas in April. She mentors college students, speaks to school classes about architecture, and works as an official at children's tae kwon do tournaments (she's a third-degree black belt).

And there's the balance between exper-

tise and learning. The book she's currently cowriting, *Great Chefs, Great Kitchens*, will be published this fall. It explores how some of the country's greatest chefs set up their own kitchens. Mahoney pursued the project because she wanted to learn from people who really know how a kitchen should work. "I wanted to be a better kitchen designer. With kitchen projects becoming so expensive, the decisions we make about how to handle them should be more thoughtful," she says.

Since most of the firm's marketing and PR are handled by Mahoney and her staff, there's the need for balance there, too: "We've had to be very selective about competitions, because of the time involved. I would no more throw together an entry or an article than I would throw together a design."

Another balance point has to do with size. "When we were up to eight people," she says, "I felt as if things were dropping through the cracks." Instead of hiring more people, Mahoney has built a web of mutual support among the people she works with outside the firm. "The key word is trust," she says. "I trust the contractors and clients and they trust me. I tell my clients that it's not just me they're hiring—it's all the people I work with."

It's an approach that works for her, and that the judges found "invigorating."

Tiburon and Petaluma, Calif.

**Principal:**

Colleen Mahoney, AIA

**Founded:**

1986

**Employees (including principal):**

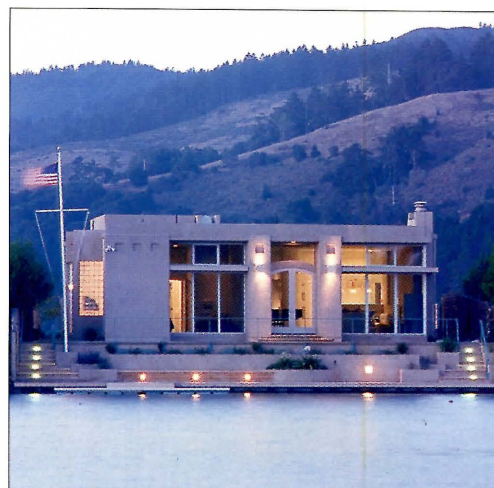
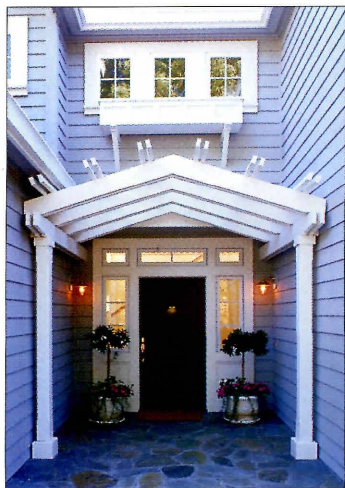
2 full-time, 2 part-time

**1998 pretax revenue:**

\$351,382

**Gross revenue per employee:**

\$117,127



Photos this page: Charles Callister

Mahoney Architects' work includes a Shingle-Style family home that rambles up a hillside (left and center) and a contemporary beach house on a 60-by-125-foot site.



# schmitt sampson architects

Charleston, S.C.

**Principals:**

R. Christian Schmitt, FAIA;

Scott P. Sampson, AIA

**Founded:**

1986

**Employees** (including principals):

10 full-time

**1998 pretax revenue:**

\$996,000

**Gross revenue per employee:**

\$99,600

integrity

innovation

creativity

community service

financial success

terrific design talent alone doesn't guarantee an architectural practice's success—but it's a great place to start. The judges admired Schmitt Sampson's "very strong design element." They liked the firm's breadth of work too. The company excels not only in high-end custom residential work but also in design for the resort market and affordable housing.

Even the firm's community involvement stems from its design work. By creating plans for affordable vernacular housing in Charleston on a pro bono basis—plans built out by governmental and nonprofit groups—Schmitt Sampson contributes to better quality housing and more attractive neighborhoods.

Scott Sampson, whose expertise is in technical and production-management areas, entered into partnership with Chris Schmitt about two years ago. Prior to that time, Schmitt, who handles most of the design work, had spent 11 years building the firm one top-notch project at a time. The firm's marketing plan was a bit less clearly focused than the judges might have hoped for, but a company that wins 56 regional and national design awards, and has had projects appear in print locally and nationally 70 times, attracts

attention. People notice, seek the firm out, and sign on.

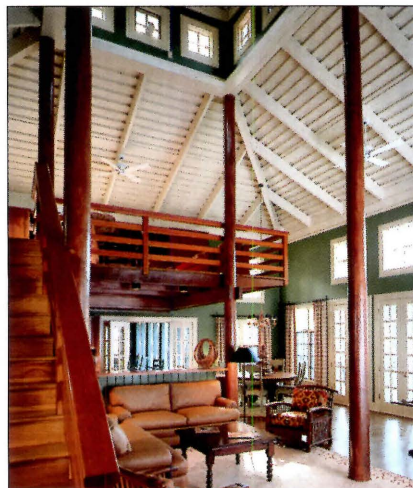
By coupling this media-buzz strategy with a long history of involvement with the major players in the resort development community, Schmitt Sampson keeps the firm active in the world of resort and hospitality work. Schmitt's experience with resort development (he worked on Sea Pines on Hilton Head and Kiawah islands in the '80s) led him to pursue an alternative pricing strategy for such projects. "We want to get paid what our work is worth, proportional to the end profit," says Schmitt. "Marketing firms who sell their services to developers get 1 percent of everything that ever gets sold. Why should architects settle for 5 percent of construction costs?"

Schmitt has been successful at implementing this approach with "some of the higher-quality clients," he says, and it has fostered a number of long-term client relationships. "We're no longer practicing survival architecture," he says.

Schmitt Sampson, said the judges, is "a practice that's well-managed and in control." The principals combine an astute ability to handle the business with a strategy of using the firm's strengths to the benefit of both clients and the community. It's an approach that works.



© Rion Rizzo/Creative Sources



© Rion Rizzo/Creative Sources



Dixon Dunlop

A resort home on the Isle of Palms (left) and one at Bray's Island plantation reinterpret the coastal Carolina style. A low-cost project in Charleston (right) reflects that city's distinctive urban vernacular.



1999

# business leadership awards



Danny Turner

A talented firm's two pillars, Scott Sampson (left) and Chris Schmitt.



# james, harwick + partners



JH+P's principals are (clockwise from top right) Bob James, Ron Harwick, Mike Arbour, and Mark Wolf.

Danny Turner



1999

## business leadership awards

In the early '80s, it seemed as if every bank, consortium, and scout troop was building multifamily housing in Dallas. When the market bottomed out, most multifamily architects scrambled for other niches.

Not James, Harwick + Partners. Instead of a new product, JH+P looked for a new market. It took its show on the road, selling its expertise—top-quality multifamily, resort, and hospitality design—in cities with healthier economies.

It was clear to the judges that JH+P made a good choice. They praised the firm's design expertise, noting that its high-density urban projects don't look dense or forbidding. Instead, they are pleasant, inviting neighborhoods. According to Bob James, not everyone wants five acres in a suburb. "There's a vital urban experience that we can help provide," he says.

The firm's structure also impressed the judges. Two principals head each project team, and manage project design and administration from start to finish. Having principals involved throughout the process is not just good for quality control and production management—it's also a marketing strategy. "Our clients are never handed off to some guy in the back

room," says James. "Staying involved means we learn early about new things our clients are planning."

Most marketing in the relatively small universe of developers boils down to networking. JH+P imposes a structure on its networking: Each principal is responsible for finding and selling to clients in one market segment, and the principals meet weekly to review their marketing efforts.

When it comes to community service, the firm's contributions are decidedly hands-on. Employees and partners work on Hearts & Hammers, a local volunteer rehab effort, and on CANstruction, a competition in which designers use cans of food to build structures. The food is then donated to local food banks.

The company's design work has had an impact on the community as well, especially in renovation work on apartment complexes. JH+P uses design to make such housing not only more attractive, but better. At one community, the residents credited the exterior changes—porches, better traffic flow, and improved landscaping—with reducing the community's crime rate by 20 percent. They threw a dinner for the JH+P team to thank them. *ra*

*Ann Marie Moriarty is a freelance writer in Silver Spring, Md.*

Dallas

**Principals:**

Robert H. James, AIA;  
Ronald E. Harwick, AIA;  
J. Mark Wolf, AIA;  
Michael L. Arbour, AIA

**Founded:**

1979

**Employees** (including principals):

29 full-time

**1998 pretax revenue:**

\$4.5 million

**Gross revenue per employee:**

\$156,732



© 1998 Steve Hinds



© Rion Rizzo/Creative Sources

From its Dallas base, JH+P produces such multifamily projects as Jefferson Summit, in Orlando, Fla., (left) and Wildwood Gables, an Atlanta apartment renovation (right).

## the judges

The judges for the Business Leadership Awards were **Thomas M. Gallas, CPA**, executive vice president of Torti Gallas and Partners/CHK, a Silver Spring, Md., urban and land planning and architecture firm; and **William C. Manion, AIA**, a partner in O'Neil and Manion Architects, P.A., Bethesda, Md., and recipient of an MBA from UCLA's Anderson School.



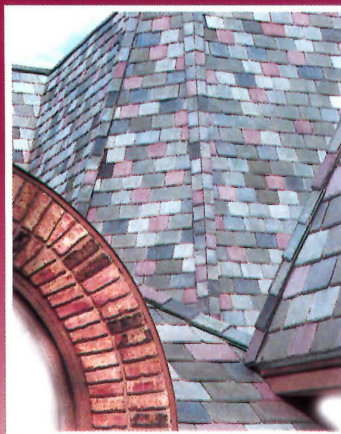
# SLATE/SELECT™

## A superior alternative to slate.

Years of experience with cement matrix and precise moulding techniques inspired Slate/Select to create an absolutely realistic substitute for slate roofing. Slate/Select captures the elegant look of real slate and still meets or exceeds all major building code requirements.

Walkable, fireproof, rot resistant, freeze-thaw resistant, impact resistant and integrally colored, Slate/Select is backed by a 40-year warranty.

This is the most elegant and practical roofing product on the market today.



## Classic Cast Stone of Dallas, Inc.



### Fine architectural elements in cast stone.

Cast stone is considered a timeless classic with origins that date back to the 12th century. For more than a decade, Classic Cast Stone has been used in grand homes and in landmarks throughout the country.

Cast Stone offers the elegance of cut limestone but with many practical advantages over cut stone. Exquisitely moulded to any desired shape, discover how beautiful and beautifully adaptable it is in all architectural styles.

## CLASSIC FIRESIDE Collection

### Elegant mantels cast in stone and lightweight UltraStone™.

The Fireside Collection creates an elegance no other product can match. Imagine cast stone capturing the beauty of cut limestone in an antique reproduction, a streamlined modern mantel or a custom design. The Fireside Collection now also offers an extensive selection of styles in its new lightweight UltraStone.

A Fireside Collection mantel is a centerpiece of warmth and elegance in any home.

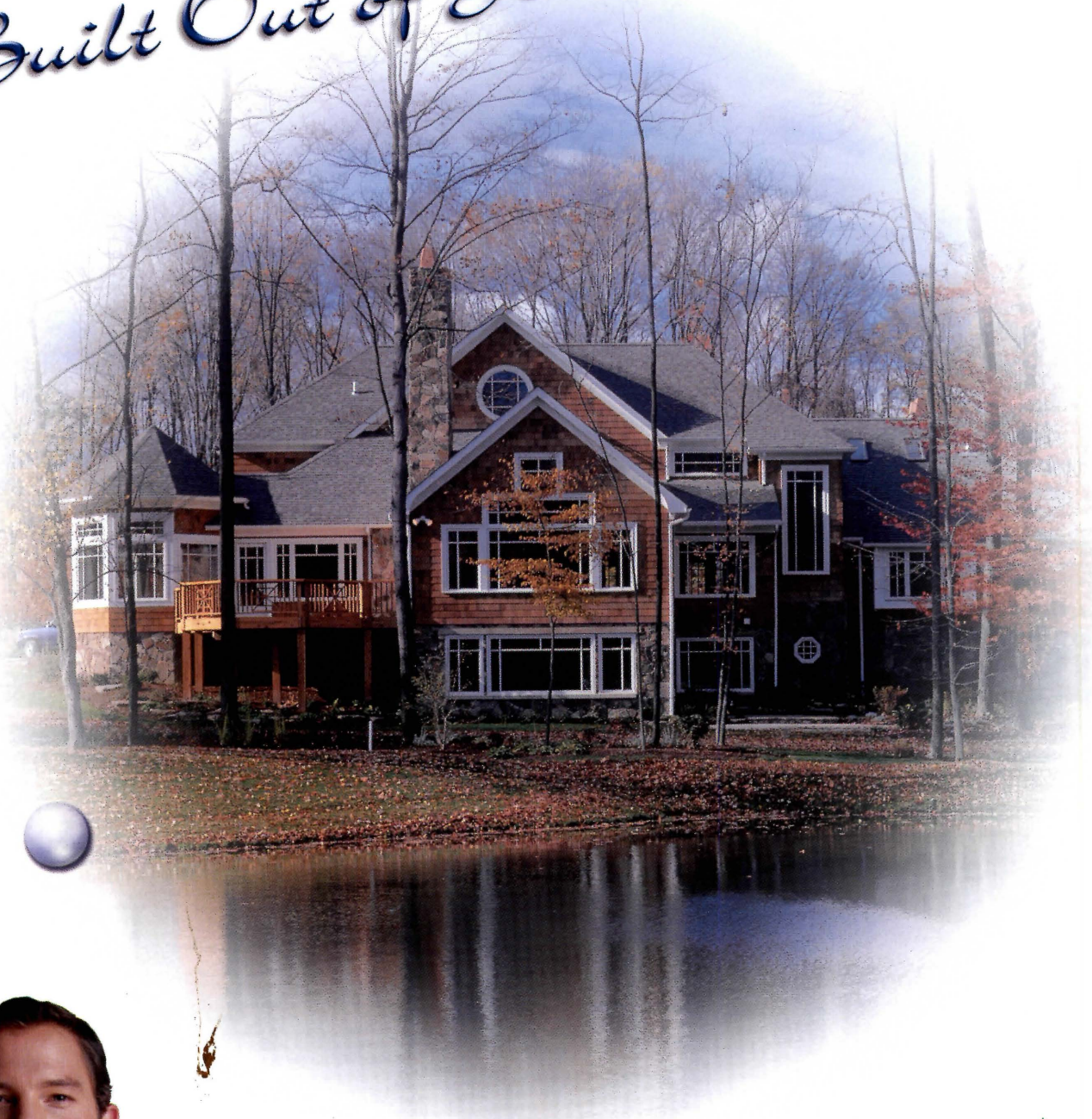


3162 Miller Park Drive North, Garland, Texas 75052-7759, 972/276-2000

Circle no. 31



*Because the Best Windows Are  
Built Out of Your Imagination*



For a FREE catalogue on Kolbe & Kolbe wood windows and doors, call 1-800-955-8177 or visit us on the World Wide Web at [www.kolbe-kolbe.com](http://www.kolbe-kolbe.com).



**Kolbe & Kolbe**  
Millwork Co., Inc.





Kirk Gastinger, FAIA  
Gastinger Walker Harden Architects  
Kansas City, Missouri



Bill Bocken, AIA  
Carrier Johnson  
San Diego, California

# architects'





Tony Abbate, AIA  
Anthony Abbate Architect  
Fort Lauderdale, Florida

# houses

an inside look

at the project most dear

to an architect's heart:

his own home

by megan drueding

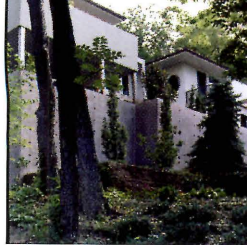


“we made a decision  
to use healthy, sustainable  
materials that needed  
as little refining as possible.”

—kirk gastering, faia







# Kansas city prime

Kirk Gastinger, FAIA, approached the idea of designing and building a new home for himself and his family somewhat reluctantly. "We had lived in the same house for 16 years," says the Kansas City, Mo., architect. "I didn't have much of a desire to move." But once his wife, Joan, convinced him of the merits of such a project, there was no stopping him. The couple bought a hilltop site in the same turn-of-the-century city neighborhood where their former house was located, and let their ideas percolate for four years.

As a principal at Gastinger Walker Harden Architects in Kansas City, one of Gastinger's specialties is sustainable design. So he wanted a house that would reflect his commitment to environmentally sound architecture. As an avid gardener, his wife wanted a floor plan that was open to the outdoors—no easy feat in Kansas City's four-season climate. Both agreed they needed enough room for their two college-age kids to visit on weekends. The final outcome: a 2,200-square-foot courtyard home that's spare but comfortable, softened by folk art and brightened by abundant natural light.

"We made a decision to use healthy, sustainable materials that needed as little refining as possible," says Gastinger. The home's lack of carpeting reflects this choice. The flooring consists of natural materials such as slate and French limestone tile, which take less energy to produce than synthetic-fiber carpet. And, according to Gastinger, they're easier to keep clean. On the south side of the house, expansive floor-to-ceiling windows capture sunlight and passive solar heat during the day. At night, the

Gastingers cover the windows with indoor shutters that help the house retain heat; in the summertime, they leave them open to allow breezes to circulate throughout the first floor. Other environmentally conscious elements include limestone kitchen counters, a glass bridge that filters light from second-floor windows down into the first floor, and low-flow faucets that reduce water use by 40 percent.

A central radiant fireplace serves as the home's primary heat source, as well as its visual and social hub. On a recommendation from the late architect Joseph Esherick, the Gastingers had the tiles that cover the hearth and chimney handmade at Moravian Tileworks in eastern Pennsylvania. Gastinger designed the 75 different tile patterns, and he and Joan selected the colors. "Kids, especially, love this fireplace," he says. "It really establishes the dining room as the main gathering spot of the home."

The home's unusual C-shaped floor plan wraps around a courtyard that's flanked by a sunroom and a covered porch. Both of the second-floor bedrooms have their own balconies with views into woods below. Neutral exterior colors and a mix of materials—bricks, concrete, stucco, and copper—help the home fit smoothly into the urban fabric of its architecturally eclectic neighborhood.

#### project:

Gastinger residence, Kansas City, Mo.

#### architect:

Kirk Gastinger, FAIA, Gastinger Walker Harden Architects, Kansas City

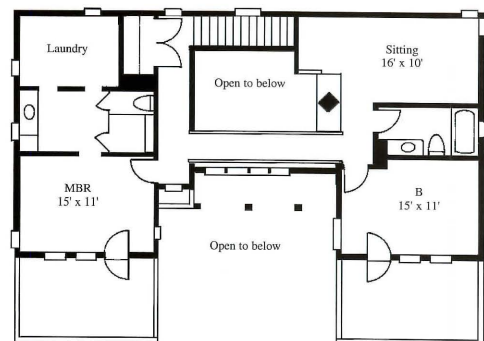
#### contractor:

Franken-Polli Co., Kansas City

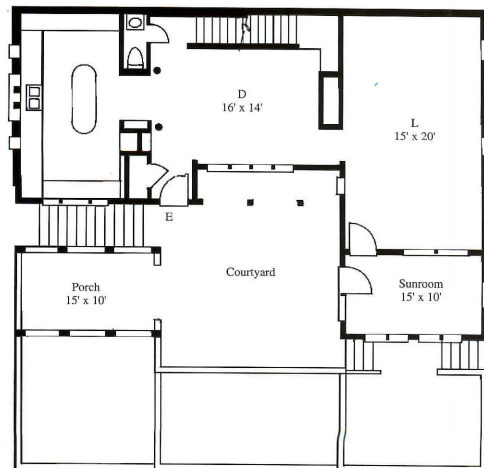


Photos: © Mike Sinclair

A second-floor balcony (above) and a first-floor porch help satisfy the Gastingers' need for outdoor space. In winter, 70 percent of the home's heat comes from a central fireplace (opposite).



second floor



first floor





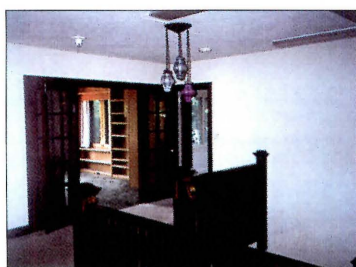
## architects' houses

# urban oasis



Photos: © Hewitt/Garrison

A previous owner had ripped out the original light fixtures. Bocken re-created them using his own wrought-iron designs, like those illuminating the breakfast room (above), main stairwell (right), and design studio exterior (opposite). To open up the stairwell (original shown below right), Bocken broke into attic space and installed a skylight.



For 15 years, Bill Bocken, AIA, walked his dog past a clunky but charming 1912 Tudor in the Bankers Hill section of San Diego, picturing the improvements he'd make if he could get his hands on it. He finally did, and transformed it into this light-filled, shingle-sided bungalow—which still exudes the old-house character that attracted him in the first place.

Since the majority of Bocken's work with the San Diego firm of Carrier Johnson involves large-scale commercial projects, he relishes any residential commissions that come his way. Yet he's mindful of the havoc that an overly eager designer can wreak on a remodel. "So often, someone goes into an old house and says something is really charming and then they obliterate it," he says. "I didn't want to fall into that trap."

Bocken moved in eight months before beginning to renovate, taking that time to analyze the way the spaces worked and to think about the play of light within the house. And when the project finally got under way, Bocken used what he already had. He relocated old interior French doors to the outside of the house, relieving the exterior dullness and allowing more sunlight inside. He had his contractor remove part of a cramped attic space above the main stairwell (left, bottom), replacing it with an operable skylight that helps brighten the first and second floors (right). And

he hired an artisan to handcraft new exterior shingles to match the old shingles' aged patina and irregular forms.

The old floor plan may have suited a World War I-era family, but the small, chopped-up rooms were inefficient for the new owner's more casual, outdoors-oriented lifestyle. Bocken consolidated the kitchen, laundry, and breakfast areas and removed an obsolete sewing room to make room for an owners' bath and dressing space. He also widened the narrow doorways into arches that better suit the home's fanciful character.

In deciding what to do with the other building on the property—a six-car garage and former maid's quarters—Bocken took a mixed-use approach. He kept the garage and added a loft for guests, as well as a large central design studio. The complex, which, like the main house, runs 4,000 square feet, also boosts privacy, blocking sight lines between Bocken's home and the apartments and office buildings across the street. "When visitors come through the entry gates from the hustle and bustle of the city," he says, "they can't believe the tranquility. I still can't believe it myself."

### project:

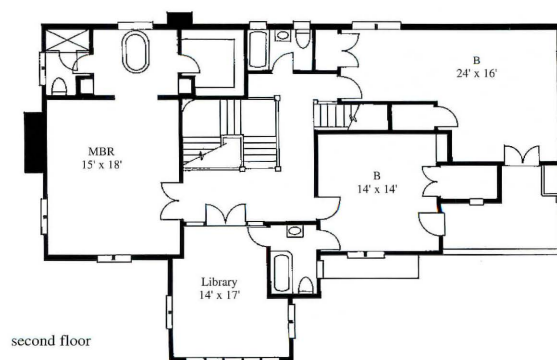
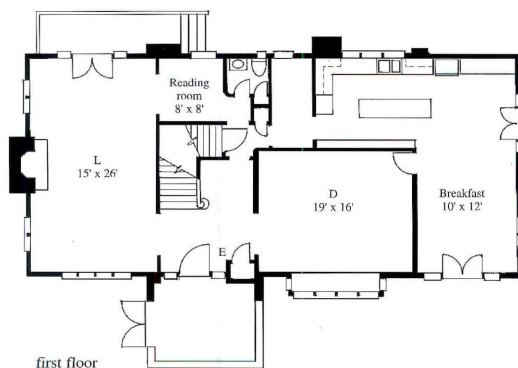
Bocken residence, San Diego

### architect:

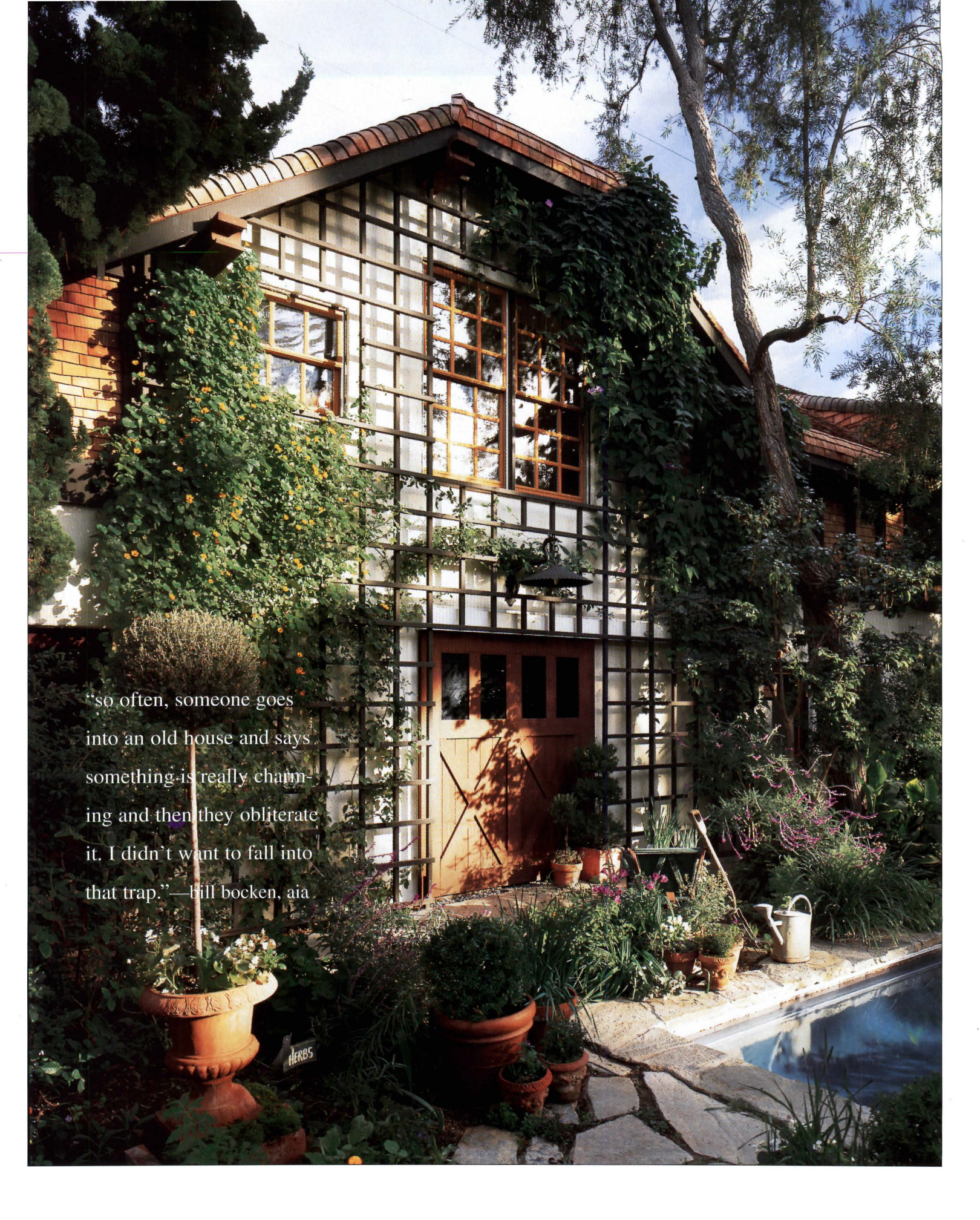
Bill Bocken, AIA, Carrier Johnson, San Diego

### contractor:

Carl Tranberg Construction, San Diego








"so often, someone goes  
into an old house and says  
something is really charm-  
ing and then they obliterate  
it. I didn't want to fall into  
that trap."—bill bocken, aia





“we went against local  
design trends—it was definitely  
a risk.”—tony abbate, aia





# double meaning

When Tony Abbate, AIA, and his wife, Jaye, began building the duplex they'd designed for themselves in Fort Lauderdale, Fla., they weren't sure if they'd ever get to live in it. The couple acted as their own developer. In order to obtain bank loans for the project, they agreed to sell both units if selling just one didn't produce enough of a profit. Real estate agents warned them that the 2,000-square-foot, alley-loaded contemporary home they were planning wouldn't sell anywhere near what they were asking.

But the Abbates love the clean lines and uncluttered look of Modern houses, so they went ahead anyway. "Neither of the units has soaring volumes or convenient car space," says Abbate, who has his own firm in Fort Lauderdale. "We went against local design trends—it was definitely a risk." What the project does have is a respect for its neighborhood—Colee Hammock, the oldest area in the city—and an angular Modern façade.

The houses in Colee Hammock date from the early 1920s through the 1940s. The neighborhood is a mixture of single-family and multifamily bungalows, frame houses, and stucco Art Deco residences. A 10-foot-wide alley bisects each block, and zoning laws are strictly enforced. Parking is off-street or in the rear. "We stayed with the alley system that was already in place," says Abbate. "A one-car garage in the back was really the only way the plan would work with the zoning codes."

Tony Abbate's stonemason brother covered the living room fireplace surround with Vermont slate (above, center). The prefab unit contains a powder room; its reverse side serves as a dining room wall (above, bottom).

A long, narrow floor plan allowed the couple to preserve most of the mature live oak, mango, and gumbo-limbo trees that grow on their lot. An entry gate, a pebbled path to the front door, and a generous setback also help to align the home aesthetically with its older neighbors.

The site's buildable area was a total of 30 feet wide, which meant the Abbates' home could only be 15 feet across. Floor-to-ceiling windows and garden views, though, make it feel larger. Interior highlights include the prefabricated, slate-covered fireplace unit that separates the dining and living rooms and the clean, simple procession of rooms from the front of the house to the back. As an experiment in bringing more reflected natural light inside, Abbate designed aluminum exterior hoods for the living room and master bedroom windows.

The story ends happily. "We were lucky enough to find a buyer who was willing to pay the asking price, enabling us to keep the other unit," Abbate says. "He's a young guy who happens to love Modern architecture, and he's since become a great friend." The Abbates hope to do more speculative development in Fort Lauderdale, possibly in the mixed-use arena. **ra**

## project:

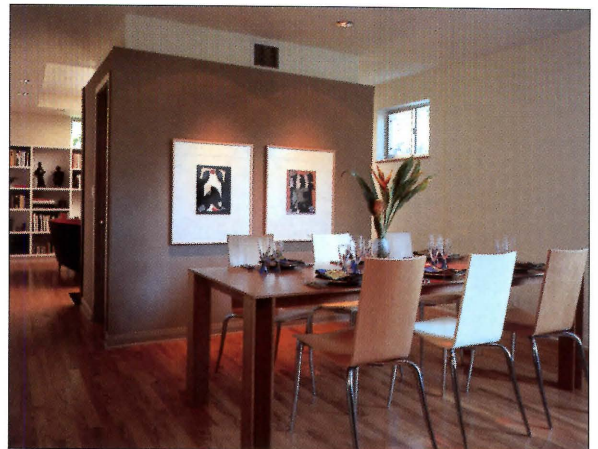
Abbate residence, Fort Lauderdale, Fla.

## architect:

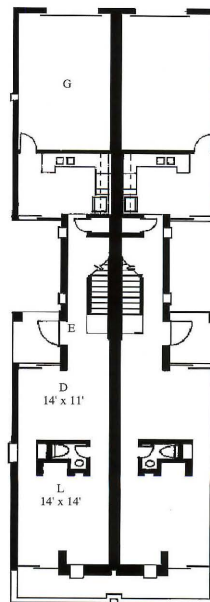
Tony Abbate, AIA, Anthony Abbate Architect, Fort Lauderdale

## contractor:

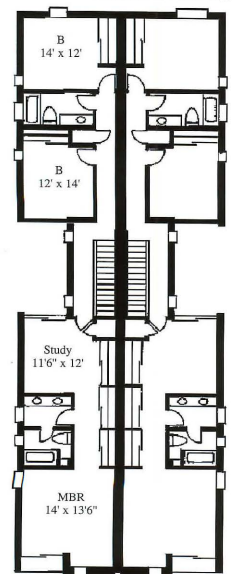
Wynn Builders and Contractors, Fort Lauderdale



Photos: © 1998 Bill Sanders



first floor



second floor



*Oh my!*



A CELLINI VIRGINIAN KITCHEN IN SANDSTONE

FOR AN EXCEPTIONAL LOOK IN CABINETRY THAT YOU WON'T FIND ANYWHERE ELSE,  
VISIT YOUR NEAREST CANAC SHOWROOM OR CALL 1 800 CANAC 4U

**Canac**<sup>®</sup>  
A KOHLER COMPANY

TO ORDER A 'KITCHEN PLANNER', PLEASE SEND YOUR NAME AND ADDRESS WITH A \$5 CHECK  
(PAYABLE TO CANAC KITCHENS) TO: KITCHEN PLANNER, 360 JOHN STREET, THORNHILL, ONTARIO CANADA L3T 3M9





# YOUR VISION

## OUR QUALITY BRANDS

### OUTSTANDING PRODUCTS


From the foundation to the roof—CertainTeed Corporation is the industry leader and your source for the broadest offering of exterior building products available today.

- Roofing
- Siding
- Windows
- Insulation
- Ventilation
- Fence/Railing
- Decking
- Foundation
- Products

Call today or visit our Website for more information.

1-800-233-8990

[www.certainteed.com](http://www.certainteed.com)

 Quality Brands of CertainTeed Corporation

### AWARD-WINNING PROGRAM

CertainTeed Corporation recognizes the important contribution of architects and building designers, and offers a comprehensive program to enhance your ongoing professional development. At its core is the Professional Education Series from CertainTeed, a winner of AIA's CES Award for Excellence.

#### Continuing Education Courses

- Internet
- Self-directed Study
- Seminars

#### Specifications Support

- Internet
- CD-ROM
- Product Binders



### PROFESSIONAL RECOGNITION

**Architect** – 1998 Architectural Record Reader's Choice Award – Wolverine siding first choice for exterior residential cladding products.

**Builder** – 1998 Professional Builder brand use study – CertainTeed vinyl windows and siding rated #1; CertainTeed roofing awarded top honors. 1998 Builder brand use study – CertainTeed vinyl windows, siding and Wolverine siding rated #1; CertainTeed roofing awarded top honors. 1998 Custom Builder "Editor's Choice" roofing products – CertainTeed and Celadon™ Ceramic Slate™ roofing.

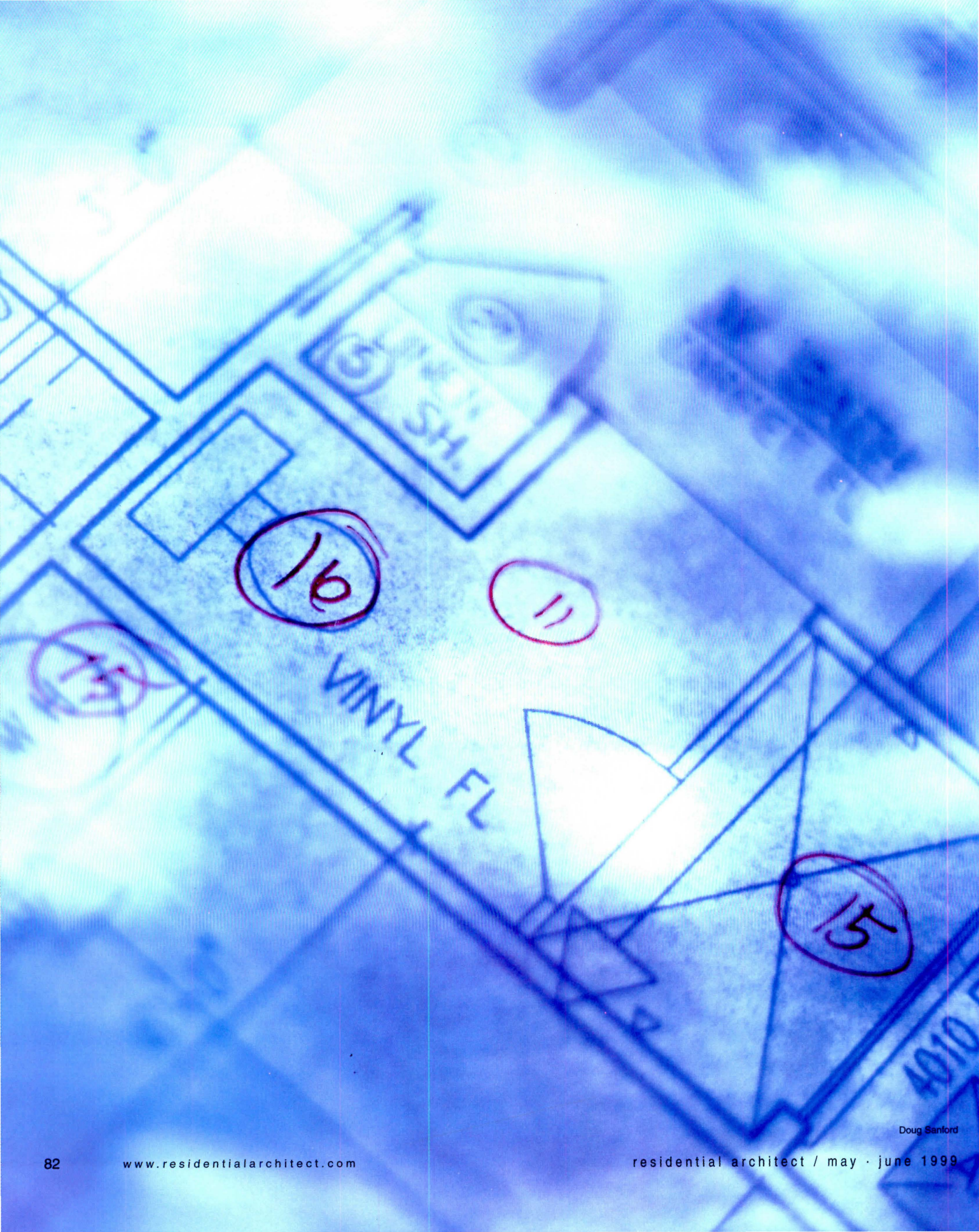
**Remodeler** – 1998 Remodeler brand use study – CertainTeed siding rated #1. 1997 Remodeling brand use study – CertainTeed vinyl windows and siding rated #1.

# ertainTeed

Winner of AIA's CES Award for Excellence

Circle no. 281







## part of an architect's job,

besides designing homes and coddling clients, is knowing the building code. It's a given: Clients expect your creations to meet code, chiefly because the vast majority can't read working drawings or spec sheets and think egress is a rare bird. You know better, which is why you get the big bucks.

But meeting code is sometimes easier said than drawn. Neighborhood covenants may conflict with or append the current code; interpretation of a rule may be fuzzy, at

For some architects, it's a challenge they relish.

"It's not unusual for us to get involved in code issues," says André Fontaine, AIA, an architect in Glenelg, Md. "If you just strictly follow what the code specifies, it crimps your opportunity to be creative."

That said, the profession isn't overly eager to go on record with questionable code conditions. Someone (usually the architect or designer) has to put his or her stamp on the plans, and the liability associated with a

# fine (red) lines

when building codes and design details conflict,  
these architects get creative.

best, and depend on who's checking plans that day. Then, of course, the client may be married to an idea you know conflicts with code. Or, you may create a killer detail you feel meets code and achieves the perfect aesthetic, only to see it red-lined during approvals or tagged on inspection.

Which often leads to another client edict: Make it work anyway. "Our value to clients is finding creative solutions to existing conditions, including the code," says Donald Evans, AIA, of The Evans Group, in Orlando, Fla. "We get paid to be problem solvers."

code violation, or even an approved variance, weighs heavily. "We never intentionally propose something that isn't to code," says architect Theo Adamstein of Adamstein and Demetriou, in Washington, D.C., echoing an ethic followed throughout the design profession. "We strive for innovation within the code."

And that's exactly what the five projects featured here achieve. At first glance to a code wonk, some of these details might raise some eyebrows, but they're all legal—if not always to the precise letter of the law.

by rich binsacca and rick vitullo, aia / illustrations by rick vitullo



# privacy matters

at Lakes on Legacy Drive, a planned, 530-unit, single-family development north of Dallas, the CC&Rs restricted the use of second-story windows along the west elevation of homes built in two of the project's gated villages. The developer, Blackard Industries, Dallas, cited several reasons for instituting the unusual rule, leading with privacy; if allowed, the windows in question would have overlooked neighboring backyards. Other considerations had to

do with zero-lot setbacks and solar heat-gain concerns.

Orlando architect Donald Evans, AIA, hired to design a house in the custom village and four models in The Villas (a zero-lot plot of patio homes), didn't blink. "The tighter the code, the more fun and challenging it is," says Evans. "Codes aren't negatives, they're givens; like the topography or sun exposure."

With a bit of creative floor planning, Evans arranged rooms so that those requiring windows are not on the west side of the

house. On the west face, the plans show spaces that usually go windowless anyway, like closets and laundry rooms. Second stories are confined to the opposite side of the lot, limited to lofts, or simply eliminated.

In addition, Evans designed the patio homes' kitchens without windows, either, at least on the elevation in question. Cabinets, appliances, and a butler's pantry block the west wall, while the rest of the kitchen looks inward and gains light from windows along other elevations (see plan, left). "This rule has pushed builders here to offer something new and creative," Evans says. "They couldn't just use their stock plans."

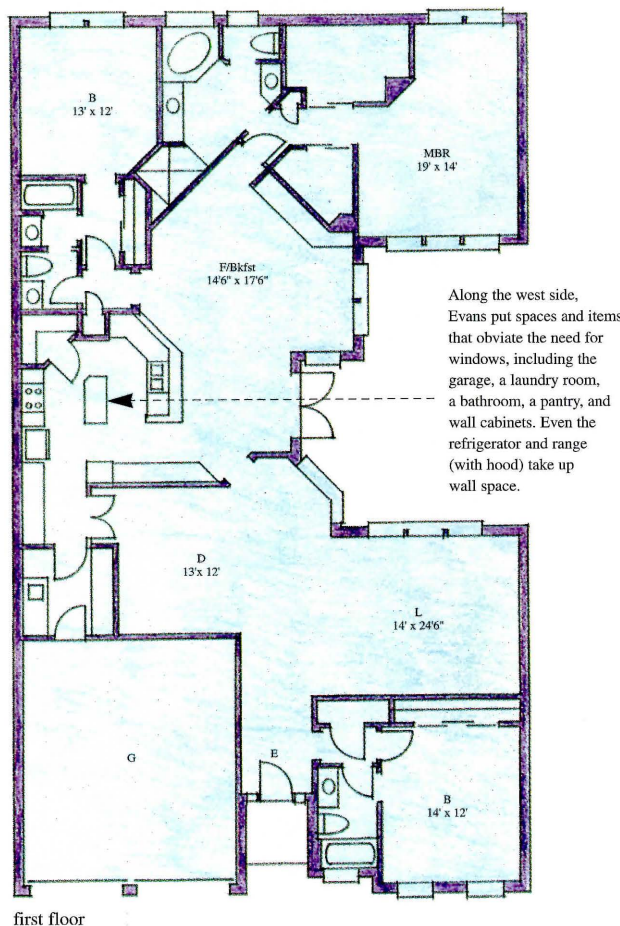
For the custom home (not shown), Evans took up a third of the off-limits elevation with the side of a single-car garage and the rest with a master bedroom, a shower, and a bump-out for a soaking tub. A quick glance at the plans shows a limited number of small windows along the west elevation of the single-story home that are spotted for ventilation, not views.

Evans also omitted a second floor on the west side of the custom home to avoid any conflicts with the code. "We didn't want to ask any special favors [of the developer]," he says, noting he would have shied away from direct west views, anyway, because of the harsh sun exposure. "This project just made us think a little harder."



Courtesy The Evans Group

Plan B, one of four models, compensates for a windowless west elevation with an open floor plan, interior volume, and long sight lines.



"the tighter the code,  
the more fun and  
challenging it is."

—donald evans, aia





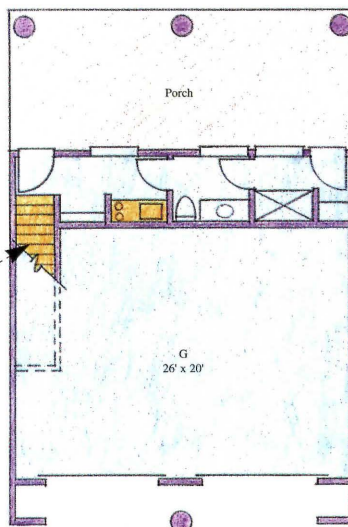
© Norman McGrath, ASMP



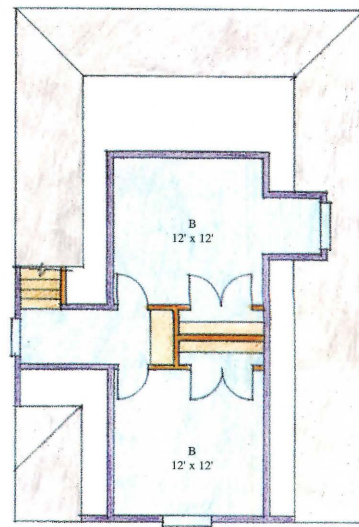
Courtesy Schwartz Architects

The outbuilding has the proper scale and materials to complement the main house (above, in background), and accommodates several diverse spaces, including a garage and a pool house.

Clever framing and capped and hidden mechanicals allow stairs to replace a closet and a kitchenette to be placed along the allowed plumbing wall.



first floor



second floor

## convertible garage

for New York architect Frederic Schwartz, AIA, the rules governing outbuildings on his clients' property were not only restrictive, but ran counter to the historic character of the neighborhood. Local zoning laws allowed up to three distinct (and presumably detached) structures: a dedicated garage, an art studio, and a pool house. None of them could be built as a second or "sister" residence to the main house (the goal being to discourage investment or rental property).

There was one variance, however: "If you connect the buildings with breezeways, the code allows you to provide full services," Schwartz says, "but that design doesn't fit the makeup of the area."

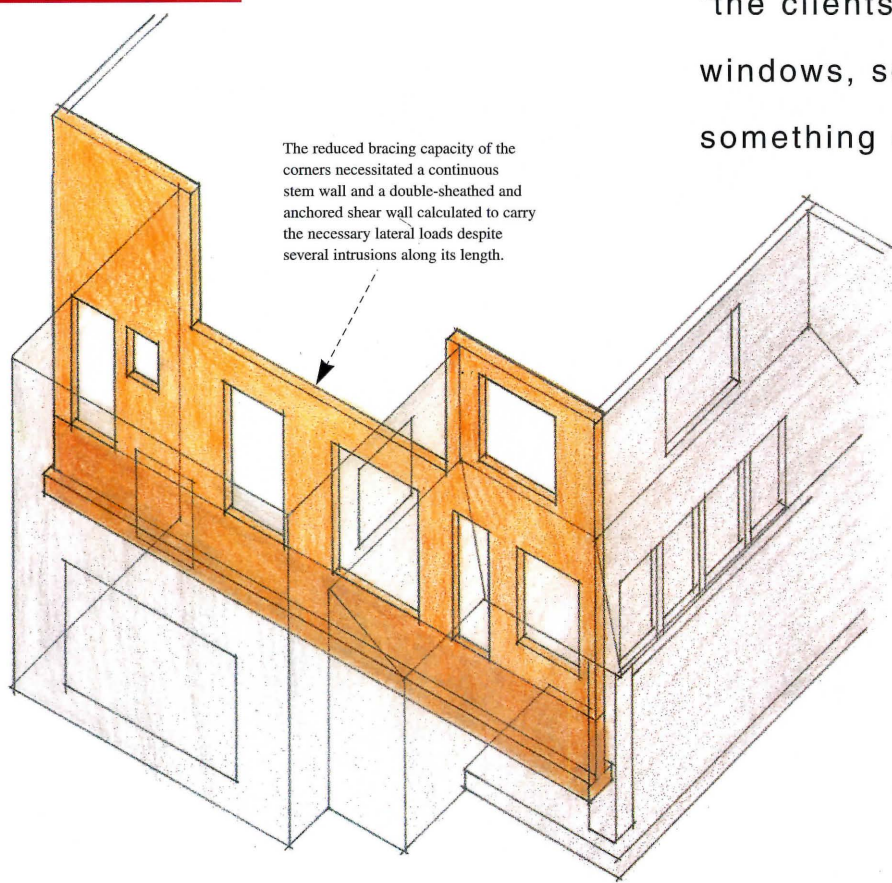
So Schwartz turned the zoning rule on its ear and designed a single building that combines the three uses under one roof. He arranged the structure so that it could be easily

remodeled into a self-sufficient livable space after final inspection. "If you frame it smartly, the owners have the option to finish it the way they want," says Schwartz.

For example, a storage area on one side of the garage can convert to a staircase to the art studio above, and the tiny, linear cabana along the back of the garage has room for a kitchenette along the existing plumbing wall. The building already contains an allowable bath (see illustration, above).

Despite skirting code, Schwartz is comfortable with the project. His solution works aesthetically and gratified his clients. What they do with the building after occupancy, he says, doesn't concern him. "The form of the building and the materials we used fit with the site and the style of the main house," he says. "The character of the area is not a bunch of small buildings, but one or two that sit alone on the landscape."





The reduced bracing capacity of the corners necessitated a continuous stem wall and a double-sheathed and anchored shear wall calculated to carry the necessary lateral loads despite several intrusions along its length.

“the clients weren’t willing to eliminate windows, so we had to come up with something different.”—catherine b. scott



Courtesy Catherine B. Scott

To maximize a southwest exposure, windows along the rear elevation were set closer to the corners than code typically allows.

## brace yourself

**O**n an almost daily basis, plan checkers at the Boise, Idaho, City Building Department red-line residential plans to enforce a more restrictive interpretation of adequate wall bracing at building corners and around windows and doors. “Architects and their clients want to use more glass in their designs, but the rule often limits it,” says department official Marlene Sothard, referring to the code section requiring a 4-foot panel of solid bracing every 25 feet and at corners. “The code is difficult for architects and builders to understand and apply.

There are, in fact, lots of ways to satisfy it.”

One local designer, Catherine B. Scott, has used everything from massive moment frames to simple hold-downs to carry necessary loads and stresses in her projects. For a 3,763-square-foot, two-story stucco home (above), Scott wanted to use as much wall area as possible to gain light from a southwest exposure. The rooms that would benefit were a sun-room, a dining room, and a family room. “The clients weren’t willing to eliminate windows [to meet the basic code],” she says, “so we had to come up with something different.”

With her structural engineer, Scott selected one wall to carry the load and catch the lateral stresses lost at the corner returns, some of which measured just a foot across. Instead of piers under that wall (for a crawl-space foundation), she designed a full stem wall along its entire length; on both sides of the framed wall (from plate to plate), she specified  $\frac{7}{16}$ -inch plywood sheathing. Anchor bolts hold the sill plates to the stem wall where two door openings and a Murphy bed frame intrude on the studs. “This is a good hybrid alternative to a moment frame or to just hold-downs,” Scott says.



# achieving egress

“even though  
they’re casements,  
they look like  
double-hungs  
from the exterior.”

—michael pentz

**S**top me if you’ve heard this one: The local historical society requires new homes of historic ilk to match the massing and scale in every detail to houses built hundreds of years before, but the building code demands modern health and safety provisions. For Peter Zimmerman Architects, in Berwyn, Pa., a firm that specializes in historic replication and restoration, those potentially conflicting commands came to a head during the construction of a Federal-style house in Nantucket, Mass.

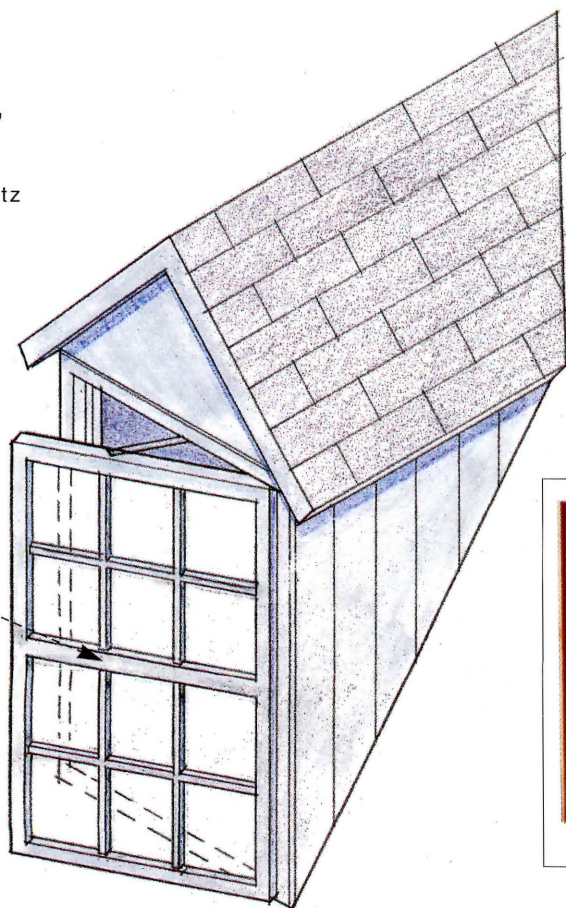
The big bugaboo was egress for two bedrooms located in the third-level attic space. Code required at least one point of emergency egress from every bedroom and specified a

minimum free opening of 5.7 square feet. That effectively ruled out historically correct double-hung dormer windows, which would be too small to meet code.

Project architect Michael Pentz worked with his Marvin Windows rep to solve the problem. Selecting from the company’s standard specs, Pentz found a standard casement window that met the size requirements and the free-opening code requirements. (The window also opens without special tools or cranks, another edict.) Because Marvin makes each unit to order, Pentz was able to specify true-divided-light casements with a historically correct, six-over-six pattern and mullion profile (below, left). “Even though they’re casements, they look like double-hungs from the exterior,” he says.

In similar circumstances for another project, the firm employed tilt-sash double-hungs to meet egress requirements (below, right). Though the design is chiefly intended to ease cleaning chores, tilting the window’s two sashes inward also creates an opening that is wide enough to meet egress requirements. Both ideas have gained the approval of various historical commissions the firm encounters in its work.

The architect custom-ordered a six-over-six, true-divided-light mullion pattern to match the historic style of the house, giving the impression of a double-hung window while meeting egress requirements with a casement operation.

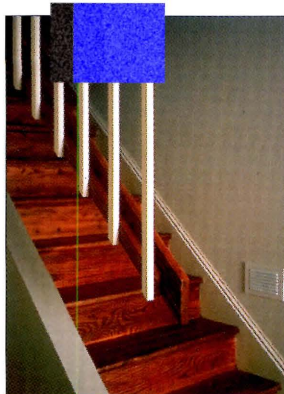


Courtesy Marvin Windows and Doors

Tilt-sash windows in standard or custom frame sizes accommodate tight egress requirements without requiring special tools to open the sashes.

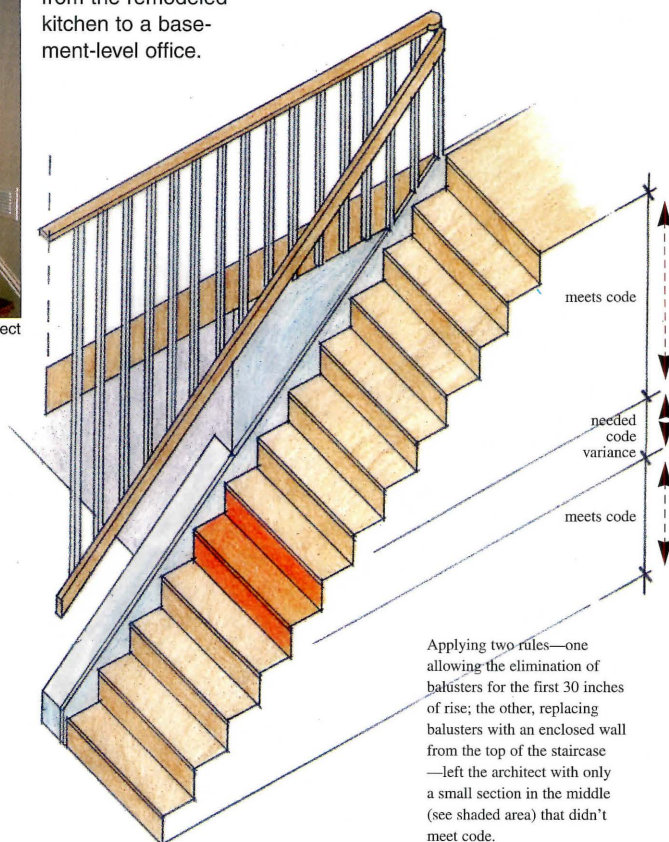


“people understand the implications of their built world more than we give them credit for.”—andré fontaine, aia



Courtesy André Fontaine Architect

The staircase was repositioned to lead from the remodeled kitchen to a basement-level office.



## hanging handrail

**O**f all the code provisions, those governing stairs and balustrades are arguably the most stringent. Anything short of a solid wall from the handrail to the treads, it seems, gets scrutinized.

For architect André Fontaine, AIA, in Glenelg, Md., such restrictions sometimes call for bending the code as far as it will go. A recent remodeling job involved reconfiguring an existing staircase leading down into a basement office. The challenge was to keep the staircase as minimal as possible, to match the design of the office.

Fontaine took a hard look at local code and discovered that railings are not needed for rises up to 30 inches. By applying that ruling to his stairway, he was able to leave the bottom three-plus steps railing free. The eight steps at the top of the staircase are protected by a wall from the floor above, and thus do not require balusters. That left only a small section in the middle of the staircase that required railings (see illustration).

“There’s actually about 12 inches of horizontal run that is in violation,” Fontaine says, “but even just a couple of balusters [to fill that space at a local code minimum of 6 inches apart] would have compromised the design.” To gain occupancy, the owners wrote a letter verifying that they knew of the violation and were waiving the responsibility of

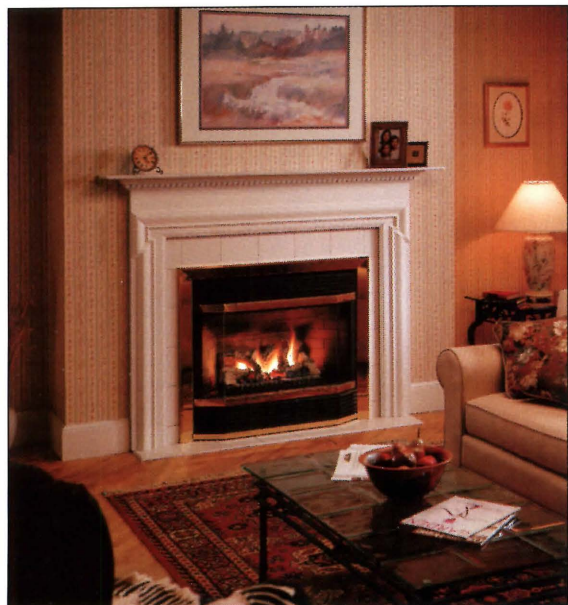
the inspector to red-tag it.

Without balusters, Fontaine had some fun with the stair’s handrail. He continued the railings from the main-floor hallway down below the floor and connected them to a suspended handrail. That created an upside-down balustrade that extends the entire run of the staircase.

While Fontaine doesn’t make a habit of designing against code, he does think people are more careful and aware of their surroundings than the building code assumes. “I consider the clients’ lifestyle and the severity of the design relative to their safety,” he says, noting that the couple who own this particular house do not have children. And while he’d never leave out a smoke detector, he says, “I believe people understand the implications of their built world more than we give them credit for.” *ra*

*Rich Binsacca is a freelance writer in Boise, Idaho. Rick Vitullo, AIA, is founder and principal of Oak Leaf Studio Architects, Crownsville, Md.*





# MAJESTIC FIREPLACES

A WELCOME HOME



No two homes are exactly alike. That is why Majestic produces the most complete line of fireplaces -- wood, gas, direct-vent, vent-free, decorative, high-efficiency, see-through, three-sided . . . and more!

But Majestic offers more than just the most choices. Ever since Majestic invented the factory-built fireplace back in the '50s, we have been the technology leader. Only Majestic Fireplaces feature the Insta-Flame Ceramic Burner, the patented gas flame with a lifetime guarantee and the industry's most realistic wood-like flame.

Let us tell you more ways that Majestic can make anyplace a "welcome home." Call today for our Free CD.

Call for your **FREE**  
**Fireplace Design**  
**Handbook on CD**  
**1-800-842-2058**



**MAJESTIC**  
*fireplaces*

[www.majesticproducts.com](http://www.majesticproducts.com)

Circle no. 234



# Don't worry. You're covered with Typar® HouseWrap.

## TYPAR GUARANTEE

If Typar® HouseWrap is ever damaged by weather or under normal construction conditions, we'll replace it at no charge. Labor is not included. Failure to follow proper installation instructions will void this guarantee. Apply Typar immediately after framing is completed and insulation has been installed. If attaching before windows and doors are installed, use staples or Typar directly to studs or plywood, use staples or large-head nails. If applying over sheathing, be sure to use large-head sheathing nails long enough to penetrate and grip framing studs.



Typar HouseWrap is your best defense against the elements. Keeps studs dry, even on wet soggy days. Stays put in the driving wind. And reduces drafts to save energy costs for your homeowners. Unconditionally guaranteed. Now that's coverage you can count on. For more information, call **800-321-6271**.



**TYPAR®**   
HouseWrap



# SUPER Cyberspace

It's no ordinary web site. It's Superseal's home on the world-wide web. And it's filled with everything contractors, architects and dealers need to know about Superseal new construction and replacement vinyl windows. Catch breaking news. Check out NFRC (National Fenestration Rating Council) ratings, Energy Star Program information or STC codes on our full line of vinyl windows—all at the click of a mouse. It's all there in one place. And it's fast. So get a look at the latest technology in vinyl windows via your window to—super cyberspace.

For more information visit our super site on the internet at [www.supersealwindows.com](http://www.supersealwindows.com), or call toll-free 1-888-723-7260, ext. 3024.



Circle no. 204



Glass Technology  
SINCE 1883

The PPG logo shown above is a registered trademark of PPG Industries, Inc.





off the shelf

# office appointments

furnishings that make you sit up and take notice.



## tower power

Designer Richard Holbrook describes his new Levity Collection of office furnishings as “the next best thing to a wearable computer.” Made for Herman Miller Inc., in Zeeland, Mich., the suite of free-standing furniture makes work comfortable for users of all sizes, shapes, and physical abilities.

Shown here is the Interactive Tower, a height-adjustable desk that accommodates a variety of working positions, from standing to sitting on the floor. A sliding keyboard surface enables users to choose their distance from the monitor; fold-down surfaces on either side supply further work space. Document stands flank the monitor. The entire unit is mounted on casters. Other products in the line include a wheeled cart that stores large documents or drawings, and a mobile, height-adjustable table.

Each of the items in the Levity Collection can be used alone or with other Herman Miller products. The Interactive Tower retails for \$5,034. For additional information, contact Herman Miller at 616.654.8739.

## round tables

In celebration of its 60th anniversary, Knoll, of East Greenville, Pa., has introduced the Maya Lin

Collection, subtitled “the earth is (not)

flat.” Lin, a nationally known artist and designer, says the

furniture was inspired by her “love of the land.” Rounded shapes and playful colors dis-

tinguish the collection; the low, elliptical cement tables and seats shown above—dubbed

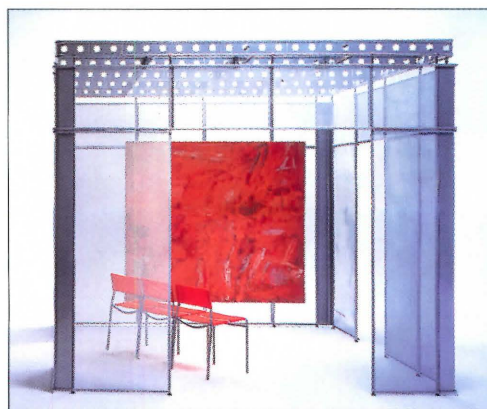
Stones—come in four shades and measure between 10 and 15 inches high. Other pieces

in the line include meeting and dining tables, chairs, and a chaise longue. The Stones

are at home in both residential and office settings and can be used indoors and outdoors;

prices start at \$315 apiece. Optional cushions are available in a variety of fabrics. For

more information, contact Knoll at 1.800.445.5045.



## screen play

Both functional and decorative, panels divide work spaces and jazz up an office's appearance. Lincoln, R.I.-based Zero U.S. Corp.'s new line of modular panels is manufactured in Alessandria, Italy, of flame-resistant steel with a special finish that is sprayed and then baked on. The straight and curved panels can be combined in an array of configurations. They are available in four models and six dimensions, ranging from 19 to 78 inches high. The

micro-perforated steel Tribeca panel pictured here has a tubular frame and is available in an aluminum finish. Individual panels range in price from \$70 to \$250. For additional information, contact Zero U.S. Corp. at 401.724.4470. —deena shehata



*Shown: Bucks County Southern LedgeStone. In background: Lakeshore River Rock*



*Stone speaks volumes about the quality of a home. Cultured Stone® veneers look and feel like stone and are made from stone, yet install for a fraction of the cost—facts that explain Cultured Stone's worldwide acceptance. For a catalog or information about StoneCAD®, the interactive CD-ROM design tool, visit [www.culturedstone.com](http://www.culturedstone.com) or call 800-644-4487.*

© 1999 CULTURED STONE CORPORATION, NAPA CA MADE IN U.S.A.

CULTURED STONE®

Circle no. 21

597 FAX 539







OUR FLUSH-FRONT DESIGN.

# MORE FIRE, LESS PLACE.


Maybe it's the fact that the vents have disappeared from view. Or that the black trim of the firebox is all but gone. Either way, more and more builders are taking notice of its trimmed-in-marble design. You can find this flush-front finish on our direct vent, B-vent, vent-free and woodburning models. You supply the *place*. We'll supply the *fire*.



Call 800.227.5248 or visit [www.martinindustries.com](http://www.martinindustries.com)  
for more information on how to include a Martin fireplace in your next project.

Circle no. 279





**When you've replaced  
as many windows as  
we have, you'll see why  
Alside is the best choice  
for new construction.**

We've learned a lot replacing millions  
of old wood, aluminum and steel  
windows with our technologically  
advanced vinyl designs.

And now we're bringing that experience  
to our ALSIDE PERFORMANCE SERIES  
NEW CONSTRUCTION VINYL WINDOWS.

They combine the features homeowners  
want most...high performance glass...  
thermal efficiency...maintenance freedom  
...sleek look. And all in an easy-to-install  
new construction design.

Every Alside product comes with an  
added feature: assurance. It's the feeling  
of confidence you get knowing  
your windows were made to last—  
by a company

that's been  
around  
for more  
than  
50 years.



Alside Window Systems

P.O. Box 2010

Akron, Ohio 44309

800.922.6009

<http://www.alside.com>

Circle no. 226

**Alside**  
WINDOW SYSTEMS®

Ask your Alside representative about ENERGY STAR qualifying products.



# countdown to 2000

how to prepare your firm for Y2K.

by kendall holmes

**b**y now, no doubt, you've heard of the Y2K bug, a computer glitch that could cause many computers to recognize the year 2000 as the year 1900. And you're probably hoping that, as a residential architect, you'll be relatively immune to Y2K's sting.

You may be right—providing you plan ahead and get a bit lucky.

By planning ahead, you can ensure that your computers and software won't quit on you come next January. You can minimize your chances of being slapped with a lawsuit by homeowners annoyed that products you specified failed because of Y2K. And you can make sure that materials you're specifying for future jobs—particularly materials from foreign sources—will be readily available early next year.

As for the luck you may need, while you could always revert to the drafting table to finish a job, no one really knows how other cogs within the construction industry—contractors, building-materials suppliers, and the shipping industry—will fare. Also, some

economists warn that the public's fear of the Y2K bug may itself dampen the economy, whether or not those fears prove to be justified.

"I'm not one of those people who get panicky about year 2000 problems," says Timothy Toomey, AIA,

an architect and lawyer. Toomey is chief administrative officer and in-house counsel for Shepley, Bullfinch, Richardson and Abbott, a large Boston architecture firm. As such, he's in charge of the firm's Y2K planning efforts. "If

you take reasonable steps to protect yourself, and use common sense, you shouldn't have too many problems. Of course, ask me on January 2 next year and I may have an entirely different answer."

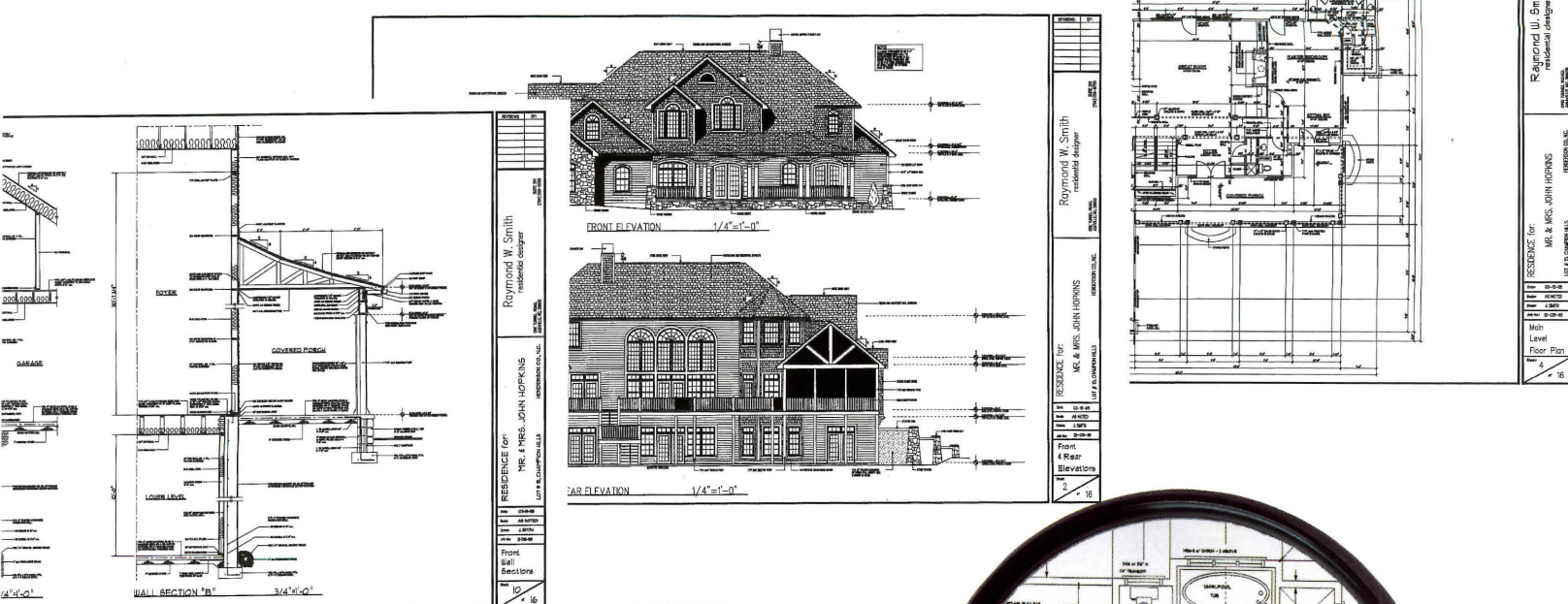
*continued on page 98*



Photo illustration: Stephen Webster



# Your Plans



# This Detail



# Our Tool

**SOFTPLAN**  
ARCHITECTURAL DESIGN SOFTWARE

CALL (800) 248-0164 or  
VISIT [www.softplan.com](http://www.softplan.com)  
for a **FREE DEMO CD**  
(for Windows 95/98/NT)

Circle no. 79

Working Drawings

3D Renderings

Material-Take-Offs





What are the issues that may confront residential architects? And what steps should you take to protect yourself? Let's start close to home, in your office.

## hardware

First, you'll need to make sure your computers are Y2K-ready, since software relies on hardware to supply a correct date and time.

Apple promises that all Macintosh computers manufactured since 1984 will behave properly once the new century begins. On the PC side, it's more of a mixed bag. In general, experts say most Pentium-class and higher PCs *should* behave okay, while older computers may have problems.

For a more definitive answer, you might want to have a technician check your machines. Or, if you do your own detective work, many computer magazines run stories on how to diagnose a computer. The January 1999 issue of *Windows Magazine* offers a particularly clear explanation.

## software

Once you've made sure

your computers are okay, check your software.

■ If you do your design and drafting work on a computer, industry leader Autodesk says all versions of AutoCAD Release 12 and later are fully Y2K-compliant, as are the company's plug-in add-ons for the program. Over at rival Graphisoft, versions 5.0 and newer of ArchiCAD also are Y2K-ready. Neither company, though, offers any assurances about older releases of these popular programs. Nor does either plan to test older releases.

■ What about accounting software? Industry leader Intuit says this year's versions of its popular Quick-*en* and QuickBooks programs are Y2K-ready. But its tests show some products released as late as 1998 could misbehave. And as for even older versions, Intuit has no plans to test for Y2K compliance. You'll encounter a similar story if you use competitor Peachtree's products.

■ At Microsoft, versions of Word, Access, Project, and Excel released as recently as a year ago

could falter without a free patch, available through the company's Web site.

## product problems

Once you're sure your computers will work next January, check to make sure no hidden time bombs lurk in products you've specified in past jobs.

Fire alarms, elevators, home-automation systems, and security systems are but a few of the products used in residential architecture that may contain embedded computer chips that may or may not be year 2000-compliant. If you've specified anything with an embedded chip, check with its manufacturer to see if it's compliant.

"A lot of residential architects are specifying fairly sophisticated wiring systems in upper-end houses," notes Greg Miller, a Palo Alto, Calif., architect involved in both residential architecture and software design as a partner in Terry Beaubois and Associates. "These systems tend to be computer-controlled. A problem I can foresee is that there's going to be problems with equipment where neither the architect nor the homeowner ever stops to think that there might be a faulty computer chip inside."

To evaluate your products' readiness, get on the phone with manufacturers—or get on the Web (see "resources," page 100).

## product availability

Will the products you normally specify be readily available early next year? It will pay to check carefully as you design jobs that will go into production early in 2000.

A U.S. Senate study released in March warned of a "high probability" of economic disruptions in Latin America, Africa, and Asia—ominous news for anyone needing reassurances about the availability of building materials, which in today's global economy are as likely to come from Malaysia as from Michigan.

Equally troubling, that same Senate study warned that because the maritime industry is running behind in its Y2K preparations, shipments of goods by sea could be disrupted—meaning that even if the foreign products you need get produced, they may arrive late.

## global issues

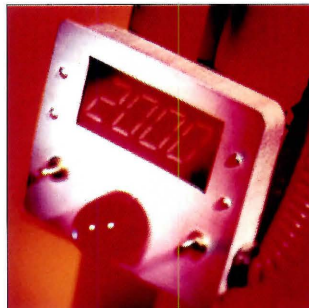
There's little work for a residential architect when builders aren't building or consumers aren't buying homes.

Even if the public's unease about the Y2K bug doesn't hamper the economy next year, the construction companies with which your work may be facing their own Y2K troubles.

Indeed, in a recent study prepared for the federal government, a leading worldwide consultant on the Y2K

*continued on page 100*

"check to make sure no hidden time bombs lurk in products you've specified in past jobs."





# The First Solid Oak Floor You Can Glue-Down Directly To Concrete Slabs!



## Have it your way with Natural Reflections®!

Now you can give your customers the unsurpassed beauty of solid oak hardwood floors, regardless of their subfloor. Natural Reflections is the only solid oak floor that can be glued directly over concrete and installed over most subfloors.

And for wood subfloors, we've improved our exclusive Insta-Lock™ staple-down Installation System to make it even better.

- 5/16" thick x 2 1/4" wide, solid oak strip
- 11 Rich, natural colors
- Square edges and ends
- Lifetime Adhesive Bond Warranty
- Lifetime Structural Integrity Warranty
- For information contact your Bruce distributor or call 800-722-4647

**Bruce**<sup>®</sup>  
hardwood floors  
an Armstrong company

16803 Dallas Parkway, Addison, TX 75001  
[www.brucehardwoodfloors.com](http://www.brucehardwoodfloors.com)

Featuring Dura-Luster® Plus

**25-Year**  
Residential  
Finish Warranty!

Bruce Hardwood Floors was  
rated #1 in quality, use and brand  
awareness in the 1999 Builder  
Magazine Brand Use Study!

Circle no. 30



# "The finishing touch" by COR-A-VENT

Your plans are drawn. Your design is complete. But, how well is it ventilated? Ask **Cor-A-Vent**, the ridge vent experts. We pioneered the "Roof Over" ridge vent business in 1976, with our first patent. Since then, we've consulted with literally thousands of design professionals, helping them to specify the aesthetic and functional benefits of concealed ridge ventilation.

Proper attic ventilation helps preserve the life of the roof and structure.

It also helps ensure the comfort of the occupants inside. Whatever your design calls for, from a hip roof to metal roofing, Cor-A-Vent has the application to fit your needs. Send us a copy of your roof plans, and our technical dept. will do a take-off for specifying.

**Specify Cor-A-Vent ridge and eave vents - the crowning achievement of your next project.**

Most special application details are available by phone using our 24 hr. Vent-Fax™. Also you can download the files from our website at [www.cor-a-vent.com](http://www.cor-a-vent.com).



**COR-A-VENT, Inc.**  
P.O. Box 428 • Mishawaka, IN 46546-0428  
Phone: (800) 837-8368 Fax: (219) 258-6162  
[www.cor-a-vent.com](http://www.cor-a-vent.com)

ICBO# 4838

Circle no. 260



## Distinctive Garage Doors For Distinctive Homes.

*Starkly simple garage doors complement sleek modern residences.*

**DESIGNER DOORS INC** 800.241.0525  
[www.designerdoort.com](http://www.designerdoort.com)

CUSTOM DESIGNED, HAND-CRAFTED AND DELIVERED NATIONWIDE  
ATLANTA ♦ BOSTON ♦ CHICAGO ♦ MINNEAPOLIS ♦ PHILADELPHIA

Circle no. 74

VINCENT JAMES ASSOCIATES, ARCHITECTS

## tech lines

problem predicted that two-thirds of all firms in the construction industry will encounter at least one "mission critical" failure due to the year 2000 bug. The study was conducted by GartnerGroup, of Stamford, Conn.

"A mission critical failure means that a business interruption is likely to occur," Lou Marcoccio, GartnerGroup's research director, said in a Senate hearing. "It could affect revenue and will likely affect the continued operation of that business."

In other words, even if the Y2K bug doesn't sting you directly, its effect on others with whom you work could have an impact on your firm.

### bottom line

So what should you do to prepare? First, if you haven't begun developing a Y2K plan, you should do so. While it's too late to begin your planning early, it's not too late to make up for lost time. Once your plan is in place, what then? Celebrate the new year—and don't worry too much. Take it from Palo Alto's Miller:

"Obviously, as residential architects, we'll face the same problems as anyone else—the bank machine that doesn't give out cash, for example," he says. "But I don't think it will get much worse than that for most of us. While I'd hate to have to eat my words, I

## resources

These Web sites can help you determine the readiness of your software:

**QuickBooks and Quicken**  
[www.intuit.com](http://www.intuit.com)

**Peachtree**  
[www.peachtree.com](http://www.peachtree.com)

**Autodesk**  
[www.autodesk.com](http://www.autodesk.com)

**Graphisoft**  
[www.graphisoft.com](http://www.graphisoft.com)

**Microsoft**  
[www.microsoft.com](http://www.microsoft.com)

**Windows Magazine**  
[www.winmag.com/library/1999/0101/fea0061.htm](http://www.winmag.com/library/1999/0101/fea0061.htm)

This site contains a helpful story on the Y2K bug; the article includes a self-diagnostic test for your computers.

The following sites are devoted to Y2K issues:

**CNET**  
[www.y2k.com](http://www.y2k.com)

**GartnerGroup**  
[www.gartnerweb.com](http://www.gartnerweb.com)

think the Y2K bug is overblown as far as residential architects are concerned." *ra*

*Kendall Holmes is a freelance writer in Silver Spring, Md.*



# Shed Some Light on Your Subject



**B**uilding and remodeling provide the perfect opportunities to bring light into a home. Choose from a wide selection of shapes, sizes, colors and design options offered by EAGLE to ensure your project shines with success.

Low-E Maximizer Plus<sup>®</sup> insulated glass, standard in all EAGLE windows and doors, supplies year-round energy efficiency and protection from the sun's harmful ultraviolet rays. Decorelle<sup>®</sup> series decorative glass is also available in subtle combinations of textured, leaded and beveled

glass, changing the way the world is viewed. From economical to elegant, EAGLE will create a dramatic reflection of one's lifestyle and personality. Add natural wood and low-maintenance exterior aluminum cladding; you'll find that EAGLE will meet your needs and exceed your expectations.

Nature provides sunlight and raw materials, EAGLE combines them to match any imagination and let the light shine in.

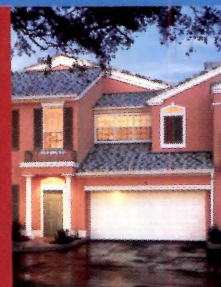
For more information, call (800) 453-3633, or visit our website. <http://www.eaglewindow.com>





# 19th Annual Builder's Choice Design & Planning Awards

call for entries



## WELL-DESIGNED HOUSING DESERVES REWARD IN BUILDER'S OCTOBER ISSUE

So enter the Builder's Choice Design & Planning Awards today. For 19 years, this prestigious awards program has set the industry standard for excellence in:

- Custom Housing
- Production Housing
- Community Design
- Remodeling & Rehabilitation
- Design Details

### Deadlines & Fees:

- May 14, 1999  
Entry form and fee deadline
- June 14, 1999  
Completed binder deadline
- There is a \$250 fee per standard entry.  
\$95 per special focus entry.  
No refunds will be issued.

### Eligibility

Projects with grand opening and/or first occupancy between June 1, 1997 and May 31, 1999. Entries limited to the United States.

Sponsored by

**BUILDER**  
HOUSING'S **#1**  
BUSINESS MAGAZINE



nature's perfect shelter

For program details and an entry form, clip this coupon and mail to: Builder's Choice Awards, One Thomas Circle, NW, Suite 600, Washington, DC 20005 or fax to: 202-833-9281 or call: Loretta Williams at 800-726-8220 or email: lwilliam@hanley-wood.com

Name

Title

Company Name

Street Address

City/State/Zip

Phone

Fax

Email





# WHY

Will Your Homeowners Be Comfortable Investing In Basements Like These



## DRY IS WHY.

With a TUFF-N-DRI® Guaranteed Dry Basement, homebuyers are taking luxury to a whole new level: Below ground. Which gives you the opportunity to specify more value — and add greater profitability for your builder partners — into every new home you design.

In fact, TUFF-N-DRI makes homeowners comfortable putting even the finest amenities in the basement. Allowing them to transform all that extra space into home theaters, playrooms, home offices, gyms or whatever fulfills their dreams.

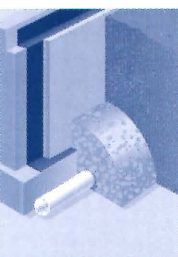
No wonder TUFF-N-DRI is the nation's leading brand of waterproofing. Consistently delivering dependable performance that exceeds its 15-year transferable warranty\*

So offer your homebuyers luxury on a new level. Specify TUFF-N-DRI Guaranteed Dry Basements. For details, call 800-DRY-BSMT.

\*See actual warranty for details.

**Visit us at the  
Western Building Show  
Booth #3001.**

*TUFF-N-DRI's two-part system makes it the best. 1) An elastic membrane spans foundation settling cracks. 2) A quality foundation board protects the membrane, channels water to the drainage system and insulates basement walls.*



Circle no. 213

 **Koch**  
WATERPROOFING SOLUTIONS



# dry down under

basement waterproofing provides critical backup.

by jill tunick

**n**ot too many years ago, basements were deemed fit for mechanical equipment, wood shops, and little else. Anything stored down there bred mold and mildew. Damp-proofing was rudimentary at best—usually just a coat of tar swabbed on foundation walls.

Today, we demand better. In many markets, real estate costs have made even basement space too dear to leave unfinished. Belmont, Mass., architect Andrew Weaver says, “Now, people want to use every square inch of their homes.”

Delivering a finished basement that stays dry begins with proper siting, grading, foundation drainage, and backfill. But improved basement waterproofing systems offer an extra measure of security in areas with problematic siting or soil conditions. Given the difficulty of repairing a problem foundation, waterproofing systems are attractive for just about any project.

And when the water stays out, everyone benefits. Architects can assure clients subgrade rooms will stay dry and comfortable. Homeowners don't have to worry about their carpets mildew-



Courtesy Poly-Wall Intl.

ing or about breathing mold spores when they head downstairs. If those aren't reasons enough to look closer at waterproofing, your local code enforcement officer may give you another incentive. While CABO requires dampproofing for two-family and single-family foundation walls that enclose habitable or storage space, many local jurisdictions mandate full-fledged waterproofing.

## material differences

The enemy of a dry base-

ment is moisture in the surrounding soil or, more specifically, the hydrostatic pressure that drives moisture from saturated backfill through foundation walls. To keep basements dry, manufacturers offer an array of coatings, membranes, and foundation boards. All work by repelling water from foundation walls and diverting it into footing drainage systems.

“Water will converge to backfill no matter where you live,” says Remington, Va., foundation contractor Dennis McNally. The arid



Courtesy WR Meadows, Inc.

Sealing the top and bottom edges of membranes (above) keeps water from running down the foundation wall. This product adheres to itself, so it doesn't require sealing the 2½-inch overlapped seams.

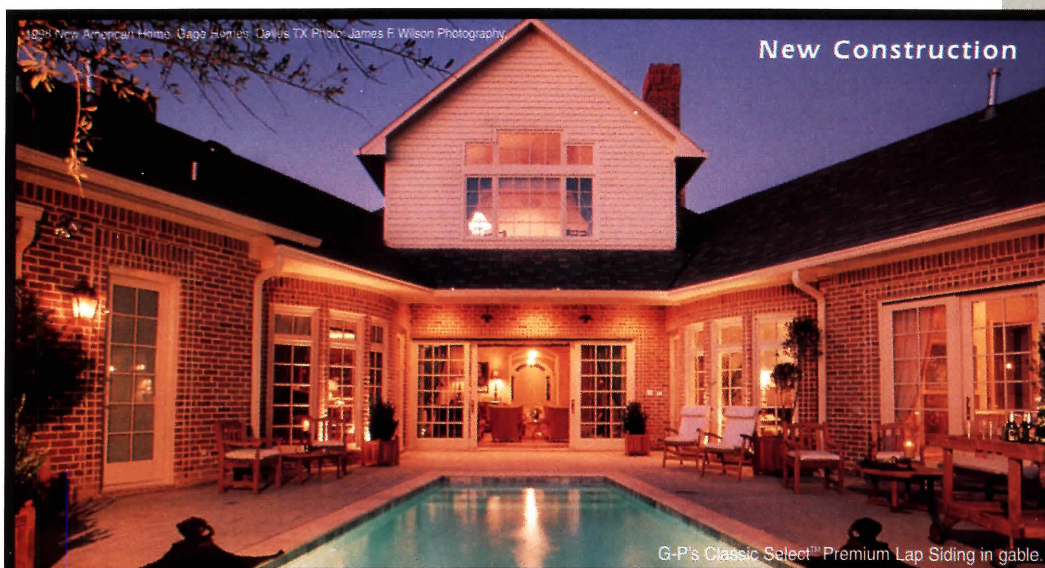
Workers apply a cement-based coating to a home in Whitefish, Mont. Most architects don't specify interior waterproofing. However, it's applied here to help counteract unusually wet soil conditions.

Southwest, with less than 10 inches of annual rainfall, has the most favorable conditions. Most other areas of the country, however, have relatively moist soil fed by aquifers located near the surface. Those regions demand thorough basement waterproofing.

The first line of defense, and the only effort necessary in the Southwest, is a coating brushed, rolled, troweled, or sprayed onto the exterior of the foundation wall. The old tar formulas are still around, but must be

*continued on page 106*





Circa 1724 Farmhouse Restoration, Milton, MA. Silva Brothers Construction.

With an eight-year history of satisfied homeowners throughout the U.S., the benefits of Georgia-Pacific PrimeTrim® are obvious and beautiful:

- Pre-primed, defect-free and more consistent than traditional wood trim
- Engineered specifically to resist warping, splitting, moisture and decay
- Available in uniform 16' lengths to minimize joints and in nominal standard construction widths
- Made of wood fiber and resin, PrimeTrim holds paint and lasts longer than traditional wood trim
- Follow installation instructions for premium performance and coverage by G-P's 10-year non-prorated limited warranty\*

Whether you're renovating an old masterpiece or building a brand new home, PrimeTrim is guaranteed to give you the performance of premium wood trim at a fraction of the cost. So why would you use anything else? Call today for

more information and the PrimeTrim dealer nearest you.

**LOOKING FOR AN ALTERNATIVE TO PREMIUM TRIM THAT RESISTS DECAY AND COSTS LESS?**

**NOT A PROBLEM.**

Available in smooth or textured finishes, square edge, and brick or shingle mould.

**SOLVE IT  
WITH G-P™**

**1-800-BUILD G-P  
284-5347  
<http://www.gp.com>**

**PrimeTrim® Engineered Trim.  
Better All Across The Board.**

  
**Georgia-Pacific**

\*See warranty for details. PRIMETRIM and CLASSIC SELECT are registered trademarks and SOLVE IT WITH G-P is a servicemark of Georgia-Pacific Corporation. ©1998 Georgia-Pacific Corporation. All rights reserved.

Circle no. 233



combined with other coatings or products for true waterproofing. As a single-coat solution for sites with high water-table conditions, Weaver specs Thoroseal, a cement-based coating. The product's acrylic admixture bonds the cement tightly to foundation walls. As a result, manufacturer Harris Specialty Chemicals says, it holds back hydrostatic pressure of 200 psi.

Some cement-based coatings can be applied to the inside of the wall, but they're best for patching leaks during renovation. Architects don't rely on interior waterproofing for new construction. "If you do it right outside, you shouldn't have to do it inside," says Greensburg, Pa., architect Jack Sillaman.

One benefit of cement-based coatings is that they mix easily and clean up with water. But they can crack and admit moisture if foundation walls settle. That's why Bethesda, Md., architect Jeff Rubin prefers elastomeric coatings. These resilient, asphalt-polyvinyl compounds stretch to bridge cracks. If walls settle and move, they move, too, maintaining the integrity of the coating.

Waterproofing membranes offer another layer of protection. These sheets or rolls of high-density polyethylene or rubberized asphalt are easier to apply than coatings and, say

some architects, are better at stopping water. Unlike coatings, they can be used as vapor barriers under floors. On walls, they can be used alone or in combination with a coating. Sillaman favors the layered approach. "If the coating cracks, the membrane takes up the movement of the wall." But he doesn't stop there. "You also need foundation board to keep the backfill from puncturing the membrane," he says.

### on board

Foundation board is the final waterproofing layer applied to a subgrade wall. Made of fiberglass or polypropylene topped with a filter material, the boards come in 4-by-4-foot and 4-by-8-foot widths and in thicknesses from 3/4 inch to 2 3/8 inches. The filter material wicks water from the soil; grooves beneath the filter channel it safely into foundation drainage. "Def-

initely use foundation board where there's a lot of water, like a spring or something," says Sillaman.

Given their composition, foundation boards also help insulate walls, delivering typical R-values of 3.1 to 10. A few plastic waterproofing panels are designed for interior application to hide ugly, crumbling walls and direct leaks into drainage. How-

ever, as with interior coatings, most architects steer away from interior applications. "It's the wrong place to stop water," says Pittsburgh architect Charles DeLisio.

To avoid the trouble of mixing and matching components, several manufacturers offer complete basement waterproofing systems. These systems fea-

*continued on page 108*

### resources

**ALCO-NVC**  
800.323.0029

**Aqua-Lock Waterproofing Materials**  
800.752.2558

**Basement De-Watering Systems**  
800.331.2943

**Basement Systems**  
800.541.0487

**Boccia**  
516.747.7727

**CertainTeed Corp. Pipe & Plastics Group**  
610.341.6950

**Cosella Dörken Products**  
888.433.5824  
www.deltams.com

**De Neef Construction Chemicals**  
409.372.9185  
www.deneef.com

**Gardner Asphalt Corp.**  
800.237.1155

**Grace Construction Products**  
617.876.1400

**Harris Specialty Chemicals**  
904.996.6000  
www.hsc-ss.com

**Koch Materials Co.**  
800.379.2768  
www.tuff-n-dri.com

**Masters Choice**  
800.624.6434

**Oregon Research & Development Corp.**  
800.345.0809

**Poly-Wall Intl.**  
800.846.3020  
www.poly-wall.com

**Surebond**  
847.843.1818

**Thomas Waterproof Coatings Co.**  
800.223.8483

**Wall Firma**  
800.333.4333

**Welco Manufacturing Co.**  
800.821.7352

**WR Meadows, Inc.**  
800.342.5976

**Xypex Chemical Corp.**  
800.961.4477  
www.xypex.com

### what's your spec?

Excited about a new product or material? Tell your peers about it in Doctor Spec. Send an outline of your idea to: Susan Bradford Barror, *residential architect*, One Thomas Circle, N.W., Suite 600, Washington, D.C. 20005. Fax: 202.833.9278. E-mail: sbarror@hanleywood.com.



dream things that never were;  
and I say, "Why not?"

— George Bernard Shaw

It begins with the glimmer of an idea. It culminates in a structure that houses not only our daily lives, but our aspirations. What more appropriate place for the Grand Manor Shingle®? Dramatic depth, dimension and the breathtaking natural appearance of slate or wood, combined with a degree of performance and reliability that only a CertainTeed product could bring to life.

Created with our exclusive *Super Shingle*® construction, a Grand Manor roof provides an incredible five layers of protection when applied. With a lifetime limited transferable warranty that includes SureStart™ 10 to cover replacement costs for labor and materials for the first ten years following application.\*\*

Dare to ask "Why not?". Then find out more about the Grand Manor Shingle. Call 1-800-233-8990. Ask about CertainTeed's program for Continuing Education units.

Visit us on the Internet at [www.certainteed.com](http://www.certainteed.com).

\*\* See actual warranty for specific details and limitations.

**CertainTeed**

Circle no. 56

*Quality made certain. Satisfaction guaranteed.*

ROOFING • DECKING • FENCING/RAILING  
INSULATION • SIDING • VENTILATION • WINDOWS

Color shown: Sherwood Forest



© 1998 CertainTeed Corporation.  
\*Made under U.S. Pat. 5,161,361; 5,209,802; 5,287,669; 5,375,491; 5,400,558; 5,421,134;  
5,426,902; 5,501,056; 5,660,014; D 340,294, D 375,563 and D 376,660. Canadian Rd.  
68259 (1991); 78604 (1996); and 78605 (1996). Other U.S. and Canadian pat. pend.



GRAND MANOR  
SHINGLE





## Custom Built to Your Design

Professionals in the field tell us they prefer to specify "Elevette"® residential elevators because of their reliability and custom features. We design and build unique products that eliminate call backs. Specify "Elevettes" in the upscale homes you design. They're the number one residential elevator on the market.

**INCLINATOR**  
COMPANY OF AMERICA

Refer to Sweet's 1999 General Building  
& Renovation File 14235/INC

For free literature, call **1-800-456-1329** or write to:

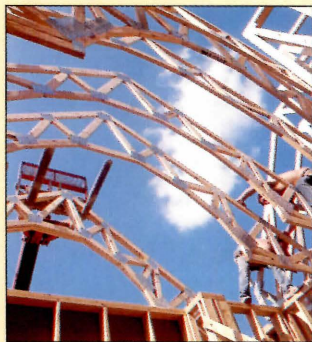
Dept. 77, PO Box 1557, Harrisburg, PA 17105-1557

e-mail: [isales@inclinator.com](mailto:isales@inclinator.com) [www.inclinator.com](http://www.inclinator.com) Circle no. 276

*Custom design features include free-standing units*

## TRUSSES MAKE TRENDS

### Strong Southern Pine Excels

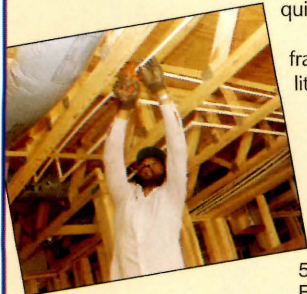


Today's trendy new homes use fewer interior bearing walls to create large, clear-span spaces and flexible floorplans. The trend-maker: roof and floor trusses built with Southern Pine lumber.

Roof trusses create vaulted ceilings and practical attic storage areas. In floor trusses, open webs make space for HVAC, plumbing and wiring; the wider nailing and gluing face makes a solid, quiet floor.

Trusses offer unlimited design flexibility. Each truss is custom designed and built with your application in mind. Homes are framed quickly, saving time and money.

Make Southern Pine trusses your #1 framing choice. Request our free truss literature and a list of manufacturers.



504/443-4464 FAX 504/443-6612  
Box 641700 Kenner, LA 70064

[www.southernpine.com](http://www.southernpine.com)

Circle no. 280

## doctor spec

ture a variety of products designed to work with each other. Typical systems include drainage devices, coatings, repair compounds, and membranes. A few also offer foundation boards. Sillaman often specs Koch Materials Co.'s Tuff-N-Dri Exterior Foundation Waterproofing System. It consists of a sprayed-on elastomeric coating and fiberglass foundation boards. Sillaman especially likes the five-year warranty and the ease of ordering. "It's nice having one system," he says.

### downsides

Unfortunately, basement waterproofing is only as good as the installer applying the material. This is especially true of hand-applied coatings. "Whenever there's that human element, there's a potential for problems," says Rubin. Sillaman agrees. "I waterproofed my house," he says, "and even though I troweled on the mastic 1/8 inch thick, you could still see pinholes in it." To guard against human error, some manufacturers allow only specially trained contractors to apply their products.

If you're new to waterproofing, the product choices can be daunting. Selecting a basement waterproofing system certainly isn't as easy as picking out a sink. As an alter-

native to trial and error, seek recommendations from the folks in the trenches. Foundation contractors are as familiar with local soil conditions as anyone, and often know what system will work best in a given situation. "I learned about waterproofing products by talking to the old guys who have been doing it for years," says DeLisio.

### go with the flow


No waterproofing material is a substitute for adequate drainage. Given enough time, saturated backfill will push water through almost any moisture protection. The trick is to provide a surface conducive to drainage rather than absorption, and subsurface conditions that make the path of least resistance into a footing drain rather than through the basement wall. Still, waterproofing is a must in areas with wet soil and provides a reassuring backup in normal conditions. Don't just apply waterproofing and hope for the best, though. Effective waterproofing is site-specific. Assess soil conditions during excavation and waterproof accordingly. "Once water gets into a basement, it's a lost cause," says McNally. That needn't happen to you. **ra**

*Jill Tunick is a freelance writer in Arlington, Va.*





## The PermaPorch® Railing system from HB&G performs for the long run.

You want porch railings made to last. You also want design flexibility. Then choose PermaPorch® Railings from HB&G, the leader in synthetic millwork products. The system needs no special tools, only common carpentry tools – no need to even pre-drill. Made from expanded PVC, the PermaPorch® Railing system is:  **BUILT TO**

**LAST A LIFETIME**

 **DESIGNED TO**

**WORK TOGETHER**

WITH PERMACAST™ COLUMNS AND PERMAPOSTS®

 **EXTREMELY VERSATILE FOR BOTH DESIGN AND**  
**INSTALLATION**  **AVAILABLE WITH DIFFERENT**  
**STYLES OF BALUSTERS AND HANDRAILS**

 **MADE FOR "QUIET"**

**PERFORMANCE — NO ANNOYING**

**SQUEAKS AT JOINTS**

So for a durable,  
versatile railing system with  
the look of real wood,  
ride out the years  
with PermaPorch®  
Railings from  
HB&G.



*Permanent Performance.*

P.O. Box 589, Troy, AL 36081  
800.264.4HBG • 334.566.4629 FAX  
[www.hbgcolumns.com](http://www.hbgcolumns.com)

Circle no. 231



# quick division

in two versatile designs, sliding doors reconfigure open spaces.

by rick vitullo, aia

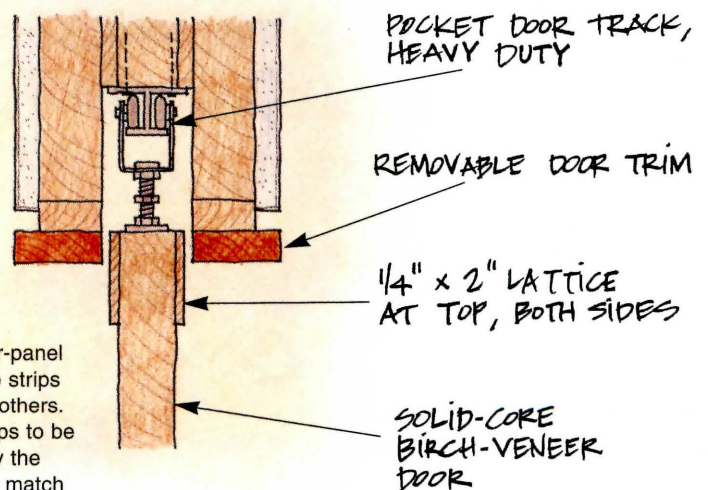
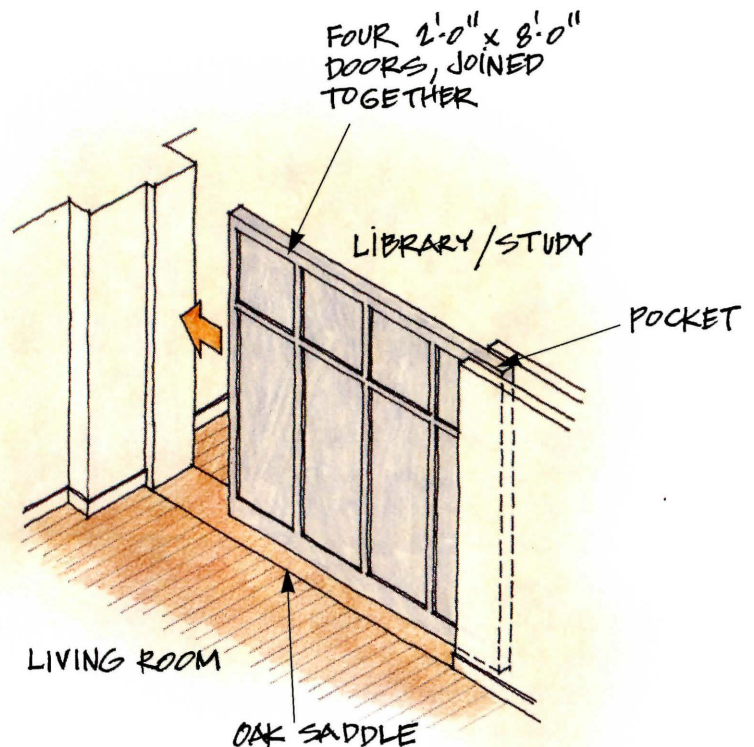
In traditional architecture, fixed walls with doorways are used to divide spaces into smaller units. Usually, a hinged door permits passage between the rooms. In more open, modern plans, however, or in large spaces that occasionally will be divided into two, a conventional door won't work. No one wants to have to swing a 10-foot-wide door to obtain privacy.

Fortunately, well-designed sliding doors can offer a viable, attractive alternative, as Cecil, Pierce and Associates, Architects, has found. In two projects that required both the separation and occasional union of spaces, the New York City-based firm used large sliding doors to blur the line between door and wall.

In the first project, a postwar-building apartment, the clients wanted their living room and library to function separately or as one room as desired. The door dividing the spaces had to be detailed to meet both needs, and for an economical price.

The architect's solution was a large pocket door composed of a series of four standard, solid-core, birch-veneer doors measuring 8 feet by 2 feet by  $1\frac{3}{4}$  inches. Cecil, Pierce biscuit-joined the doors together and covered the joints with  $\frac{1}{4}$ -by- $1\frac{1}{2}$ -inch lattice strips. The resulting 8-by-8-foot unit hangs from a track recessed into the door head, with an edge

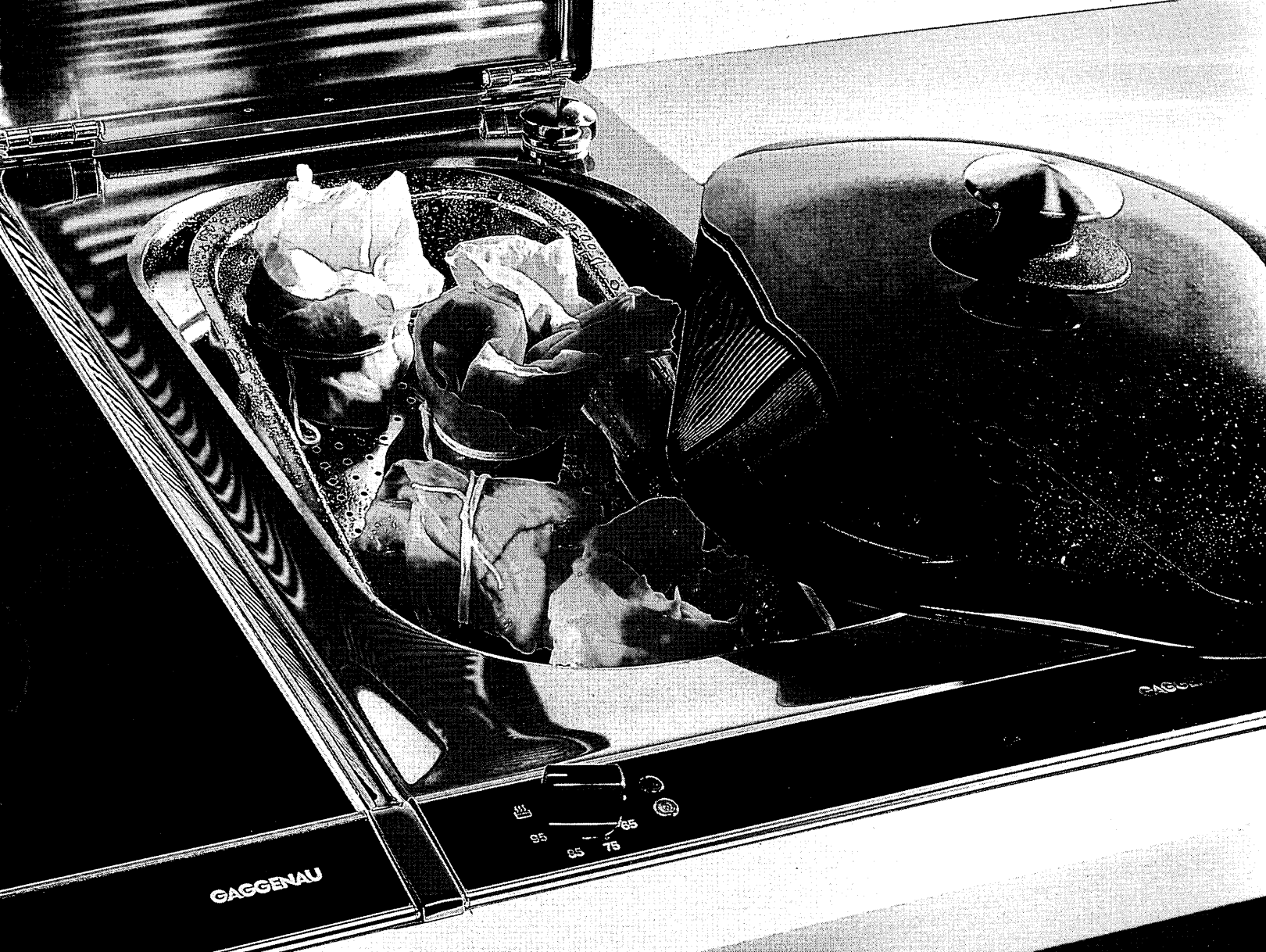
*continued on page 112*



On this sliding, four-panel door, the top lattice strips are wider than the others. This allows the strips to be partially covered by the trim above and still match the lattice covering the other joints.

Illustration: Rick Vitullo





## GAGGENAU

Appliances for the Kitchen of a New Era.  
By Gaggenau.

Built-in kitchen appliances from Gaggenau express a consistent attitude: the quest for the ideal balance of perfect form, highest technology, most attractive appearance and basic practicality. Anyone who professes to have good taste knows the Gaggenau line.

An attractive example is the Gaggenau VK 111 built-in steamer – a new multifunction appliance for steaming and stewing. It operates without pressure, as opposed to a pressure cooker or similar appliances. Utilizing two cooking inserts, stepless temperature control and a heating and pressure release system, your water or soup stocks evaporate as soon as possible. Steam quickly and gently, while retaining the shape, color, natural taste and aroma inherent in the food. You save vitamins and minerals along with energy.

We invite you to find out more about this exceptional steamer and the other unique appliances in the Gaggenau collection. Please call us at 800-828-9165 . You can also visit us at [www.Gaggenau.com](http://www.Gaggenau.com).

The Difference is Gaggenau.



pull as the only visible hardware. When closed, the door looks like a nicely detailed paneled wall, appropriate in tone for both the library and the living room.

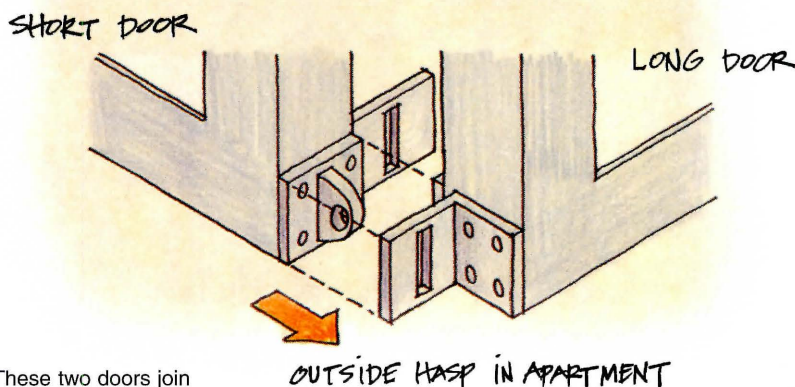
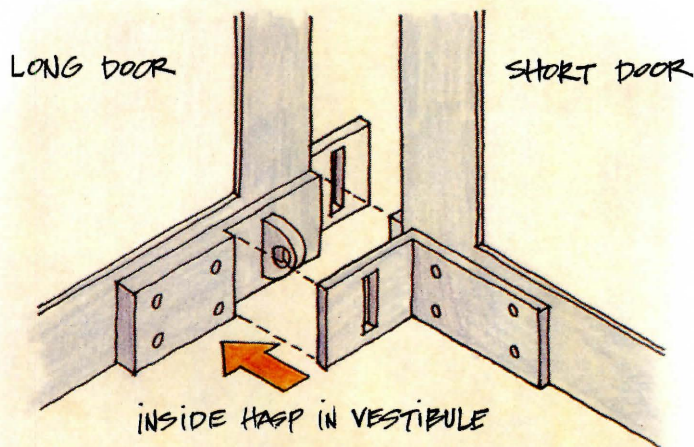
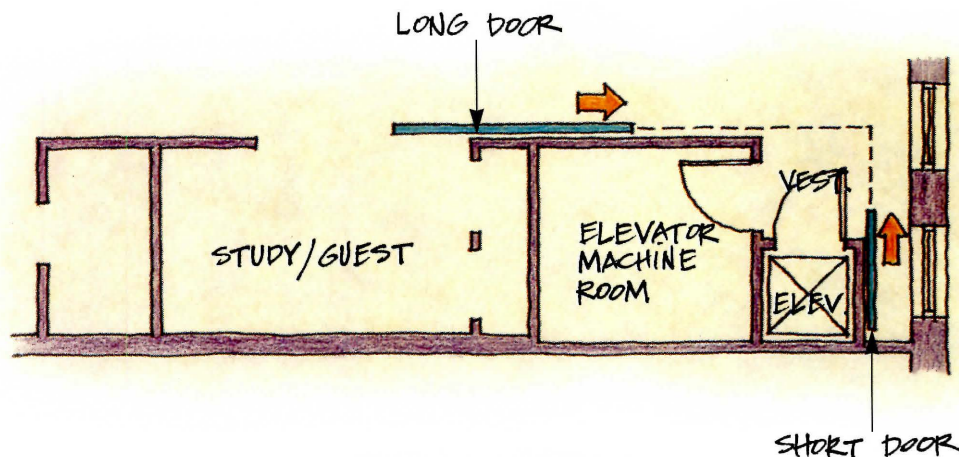
In another project, the architect renovated a 2,000-square-foot Soho loft in an industrial-type building. The client wanted to be able to divide and secure different areas of the apartment at different times of day.

Cecil, Pierce responded by crafting two sliding aluminum-and-Kalwall doors that operate independently or together. The design affords the client two options: She can use the longer of the doors to close off the study/guest room, or join both doors at a 90-degree angle to limit others' access to an elevator machine room located in her apartment. The Kalwall material gives the doors a Japanese shoji screen appearance, with the natural-finish aluminum blending well with the loft's other industrial materials. *ra*

*Rick Vitullo, AIA, is founder and principal of Oak Leaf Studio Architects, Crownsville, Md.*

#### got an idea?

Share clever design and construction details with your peers. Submit sketches, construction drawings, and descriptions to: Hands On, *residential architect*, One Thomas Circle, N.W., Suite 600, Washington, D.C. 20005.



These two doors join together at a 90-degree angle using hasps that lock with a padlock from either side of the doorway. The long door is closed first and the short door slides into it, matching hasp to slot on each side.

Illustration: Rick Vitullo



# *The magic of Crossville...*



## *transforming houses into homes.*

Nothing makes your homebuyer feel quite so welcome as **porcelain stone** from Crossville. A beautiful alternative to marble and granite, porcelain stone – along with **Questech® Metals** – combines superior performance with an astounding array of design possibilities.



For more information  
about Crossville's Residential Products  
call 1-800-221-9093, ext. 8002





# STEPSAVER<sup>®</sup>

## SIDING

**Factory-primed  
kiln-dried tight knot  
Western Red Cedar**



**SEND FOR A  
FREE SAMPLE**

Phone toll-free:  
**1-888-SKOOKUM**  
or order on our website:  
**www.skookumlumber.com**

may · june 1999 / residential architect

## ad index

advertiser	page	circle	phone no.	fax	web site/e-mail
Alside, Inc.	10-11	29	800-922-6009	330-922-2175	www.alside.com
Alside Window Systems	95	226	800-922-6009	330-922-2175	www.alside.com
The American Institute of Building Design (AIBD)	121	63	800-366-2423		www.aibd.org
American Standard	25	273	800-524-9797, ext. 205	732-980-3335	www.americanstandard-us.com
Bend Door Co. (Part of the JELD-WEN family)	27	217	800-877-9482 ext. B1		www.doors-windows.com
Big John Tree Transplanter Mfg. Co., Inc.	116	87	800-643-8039	501-362-5407	www.big-john.com
The Bilco Co.	24	206	203-934-6363	203-933-8478	www.bilco.com
Boise Cascade	8	36	800-232-0788	208-384-6099	www.bcewp.com
Boral Bricks	3	45	800-5-BORAL-5	770-645-2888	www.boralbricks.com
Bruce Hardwood Floors	99	30	800-722-4647	214-887-2234	www.brucehardwoodfloors.com
Builder's Choice Design & Planning Awards	102	-	800-726-8220	202-833-9281	lwilliam@hanley-wood.com
CANAC KITCHENS	80	43	800-CANAC 4 U	905-881-2392	
Celadon Ceramic Slate, A CertainTeed Co.	53	57	800-699-9988		www.celadon-slate.com
CertainTeed Corp.	53, 57, 81, 107	57, 28, 281, 56	800-233-8990	610-341-7940	www.certainteed.com
CertainTeed Roofing	107	56	800-233-8990	610-341-7940	www.certainteed.com
Classic Cast Stone of Dallas, Inc.	70	31	972-276-2000	972-272-6400	www.stone-slate.com
Concord Elevator Inc.	43	275	800-661-5112 905-791-5555	905-791-2222	www.concordelevator.com
Cor-A-Vent, Inc.	100	260	800-837-8368	219-258-6162	www.cor-a-vent.com
Crane Plastics Co.	9	208	800-307-7780	614-443-1436	www.TimberTech.com
Crossville Porcelain Stone/USA	113	89	800-221-9093, ext. 8002	931-484-8418	www.crossville-ceramics.com
Cultured Stone Corp.	93	21	800-644-4487	707-255-5572	www.culturedstone.com
Designer Doors Inc.	100	74	800-241-0525		www.designerdoors.com
EAGLE Window & Door	101	71	800-453-3633	319-556-4408	www.eaglewindow.com
Eljer Plumbingware	4	209	800-435-5372	972-560-2251	www.eljer.com
Elk Corp.	C3	38	972-851-0400	972-851-0555	www.elkcorp.com
Eternit	9	210	800-233-3155 610-926-0100	610-926-9232	www.EternitUSA.com RonHruz@EternitUSA.com
Gaggenau MSA Corp.	111	52	800-828-9165	617-769-2212	www.Gaggenau.com
Georgia-Pacific Corp.	105	233	800-BUILD G-P	404-230-5624	www.gp.com
HEAT-N-GLO, A div. of Hearth Technologies	23	261	888-427-3973 612-890-8367	612-890-3525	www.heatnglo.com info@heatnglo.com
Henderson, Black & Greene, Inc. (HB&G)	109	231	800-264-4HBG	334-566-4629	www.hbgcolumns.com
The Home Building & Remodeling Network	56	-	202-452-0800	202-785-1974	www.hbrnet.com
Homes for Habitat Design Awards	26	-	202-736-3407	202-785-1974	dshehata@hanley-wood.com
The Hoover Co.	22	212	800-891-5696		www.hoovercompany.com
Hurd Millwork Co.	35	42	800-2BE-HURD	715-748-6043	www.hurd.com
Inclinor Company of America	108	276	800-456-1329	717-234-0941	www.inclinor.com isales@inclinor.com
Interactive Guide to Building Products CD-ROM	118	-	800-241-BLDR		
International Window Corp.	117	47	800-959-7509	562-928-3492	www.intlwindow.com
Jacuzzi Whirlpool Bath	32-33	67	800-288-4002	925-938-3025	www.jacuzzi.com
James Hardie Building Products	21	278	1-888-HARDIE-1	949-367-0185	www.jameshardie.com
KitchenAid, U.S.A.	45	-	800-253-3977	616-923-3214	www.BuilderAppliances.com www.KitchenDesigners.com
Knauf Fiber Glass	15	82	800-825-4434 800-200-0802	317-398-3675	www.knauffiberglass.com
Koch Waterproofing Solutions	55, 103	201, 213	800-DRY-BSMT	800-230-8178	www.tuff-n-dri.com
Kolbe & Kolbe Millwork Co., Inc.	71	277	800-955-8177	715-845-8270	www.kolbe-kolbe.com
Lightolier	41	75	800-215-1068	508-646-3204	www.lightolier.com
The Majestic Products Co.	89	234	800-842-2058	219-356-9672	www.majesticproducts.com

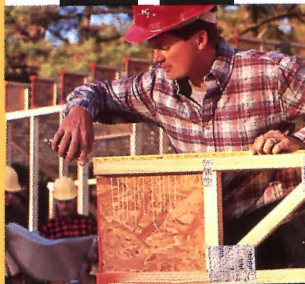
residential architect / may · june 1999





# The Best Choice!

# TrimJoist



## TrimJoist is the best choice of builders everywhere.

TrimJoist allows you to build a floor system that is the strong, silent type. No creaky floors with TrimJoist! TrimJoist has a full 3' $\frac{1}{2}$ " wide surface for nailing and gluing subfloor materials, allowing the builder to use subfloor framing tolerances to prevent squeaks.

Buy TrimJoist in stock lengths of 4' to 30', and trim onsite for a continuous range of spans. Complex angled walls are no problem with TrimJoist.

TrimJoist features strut webbing, eliminating the subcontractor's need to cut holes. Thus, valuable floor cavity space is available for plumbing, electrical and duct work.

Need help from TrimJoist? TrimJoist provides toll-free access for immediate assistance with your building questions. Our team of engineers is just a phone call away.

Think we've got to be too expensive? We're competitively priced AND we save you time and money on the job.

**No more squeaky floors!**

**Trimable onsite  
for an exact fit**

**Open web design;  
no need to cut holes**

**Engineering support**

**Competitively priced**

**TrimJoist. The BEST CHOICE for you.**

## TrimJoist

ENGINEERED WOOD PRODUCTS

**For more information call toll-free 1-800-844-8281.**

**Visit our website at <http://www.trimjoist.com>**

Circle no. 22



# GIVE MOTHER NATURE A HAND.

Let a Big John tree  
transplanter finish  
your landscaping.



There's only so much a mother can do . . . so why wait years for a mature landscape when you can enjoy a beautifully forested environment in just a few hours.

Thanks to the technology of Big John Tree Transplanters, barren lots and building sites can become well established parks and green belts without waiting for Mother Nature to finish the job.

Give us a call, or visit our website — today.



P.O. BOX 960  
HEBER SPRINGS, AR 72543  
1-800-643-8039  
FAX: 501-362-5407  
www.big-john.com



may · june 1999 / residential architect

## ad index

advertiser	page	circle	phone no.	fax	web site/e-mail
Martin Fireplaces A Div. of Martin Industries, Inc.	94	279	800-227-5248	256-740-5192	www.martinindustries.com
Masonry Technology Inc.	9	282	800-879-3348 319-547-1122	319-547-1133	www.means.net/~mti mti@sbtex.net
Meeker Cedar Products Ltd.	14	227	800-663-8761	604-826-9712	www.meekercedar.com
Milgard Windows	18-19	92	800-MILGARD	253-926-0848	www.milgard.com
Olympic/PPG Industries	37	283	877-MACHAPP		
Patton Building Products	54	78	800-334-4126	800-255-4391	www.rivco.com
Pella Corporation	C2-1	19	800-54-PELLA	515-628-6457	www.pella.com
Portland Cement Assn.	119	39	888-333-4840	847-966-8389	www.concretehomes.com
Pozzi Wood Windows (Part of the JELD-WEN family)	28-29	222	800-257-9663 ext. P4	503-385-3268	www.pozzi.com
Product Literature	122-127	-			
Raymond Enkeboll Designs	120	216	310-532-1400	310-532-2042	www.enkeboll.com
Raynor Garage Doors	49	77	800-4-RAYNOR	815-288-7142	www.raynor.com
Regency Products (FPI)	120	211	604-946-5155	604-946-0479	www.regency-fire.com
ROMA Steambaths	12	262	800-657-0656	281-578-9948	www.romasteambath.com
Samuel Cabot, Inc.	16-17	225	800-US-STAIN ext. 347 978-465-1900	978-462-0511	www.cabotstain.com
Simplex Products, a K2 inc. company	48	232	800-345-8881	517-265-3752	www.simplex-products.com
Simpson Strong-Tie Co., Inc.	2	26	800-999-5099	925-847-0694	www.strongtie.com
Skookum Lumber Co.	114	32	800-SKOOKUM	360-352-7638	www.skookumlumber.com
Slate/Select, Inc.	70	31	972-276-2000	972-272-6400	www.stone-slate.com
Softplan Systems	97	79	800-248-0164	615-370-1204	www.softplan.com
Sony Electronics Inc.	51	80	800-295-SONY (7669)		
Southern Pine Council	108	284	504-443-4464	504-443-6612	www.southernpine.com
Style-Mark, Inc.	20	265	800-446-3040 419-445-0116	419-445-4440	www.style-mark.com
Sub-Zero	C4	266	800-444-7820	608-270-3339	www.subzero.com
Superseal Manufacturing Co., Inc.	91	204	888-723-7260, ext. 3024	908-561-7885	www.supersealwindows.com
Tenneco Building Products	39	285	800-241-4402	404-350-1489	www.tennecobuildingprod.com
TrimJoist	115	22	800-844-8281	601-329-4610	www.trimjoist.com
TUFF-N-DRI	55, 103	201, 213	800-DRY-BSMT	800-230-8178	www.tuff-n-dri.com
Tygar HouseWrap	90	51	800-321-6271	615-847-7068	www.reemay.com reemay@worldnet.att.net
Velux-America	46, 47	23, 24	800-283-2831	800-388-1329	www.VELUX.com
Viking Industries, Inc.*	56a-d	76	503-667-6030	503-669-1135	
Wagner Electronic Products, Inc.	118	286	800-944-7078	541-582-4138	www.wwwagner.com
WATCHDOG WATERPROOFING	55	201	800-DRY-BSMT	800-230-8178	
Weather Shield Mfg., Inc.	6-7	25	800-477-6808 715-748-2100	414-289-0417	www.weathershield.com
Whirlpool Corp.	45	-	800-253-3977 800-253-1301	616-923-3214	www.BuilderAppliances.com www.KitchenDesigners.com
Windsor Window Co.	40	27	800-887-0111	515-226-8935	www.windsorwindows.com
Wolverine Vinyl Siding, A CertainTeed Corp.	57	28	888-838-8100	610-341-7538	www.vinylsiding.com

\* Issue mailed in regional editions.

Volume 3, number 4, *residential architect* (ISSN 1093-359X) is published eight times a year in 1999 by Hanley-Wood, Inc., One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 1999 by Hanley-Wood, Inc. Opinions expressed are those of the authors or persons quoted and not necessarily those of Hanley-Wood, Inc. 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; 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. **Subscriber customer service:** 888.269.8410 / **Fax:** 847.291.4816. Periodicals postage paid at Washington, DC, and at additional mailing offices. Postmaster: Send address changes to: *residential architect*, P.O. Box 3241, Northbrook, IL 60065-3241. This issue mailed in regional editions.



residential architect / may · june 1999





**Think of this as art  
for people who already own  
the perfect frame.**

There's an art to custom building. It's a bit like framing a dream. And nothing reflects the spirit of your creation like the windows. They establish a style, light the mood and capture your view of the world. A good window balances form and function. Creating a great one is an art.

The Maestro line from International Window was designed specifically for the custom builder. Our Maestro windows are reasonably priced, top-of-the-line, wood and wood-composite windows suited to the best of homes. We like to think of them as art for people who already own the perfect frame.

**Maestro**  
PRODUCTS

Windows and doors for real life.

14050 Day Street Moreno Valley, CA 92553 800.959.7509 or Visit Our e-Showroom: [www.intlwindow.com](http://www.intlwindow.com)

Maestro is a International Window Corporation Company

Circle no. 47



Save Time and Money With  
**BUILDER'S**  
House Plan Books

Call  
**1-800-634-4773**  
to order today.

Buy all  
**5 books for \$49**  
(BD549)

**Affordable One-Story House Plans**

(BDA95: \$24.95)

**Luxury House Plans**

(BDL95: \$24.95)

**Narrow-Lot House Plans**

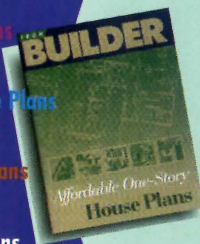
(BDN95: \$24.95)

**Vacation House Plans**

(BDV95: \$24.95)

**Flexible House Plans**

(BDF95: \$24.95)



## 75% of Wood Quality Problems are Moisture Related\*



"Hardwood Problems"



"Softwood Problems"

### Specifying KD Lumber is only the start...

**M**oisture content (MC) in all wood changes with its environment. MC must be controlled when purchasing and using softwood for framing and finishing, and when purchasing and installing hardwood cabinets, doors, trim and flooring. MC is the cause of most wood quality problems (and related customer complaints) in new construction. Prevent them before they occur by using and specifying Wagner moisture content measurement meters.

**Model L606**  
**\$285.00**



- Rugged, easy to read and operate precision instrument. One year warranty.
- Operating instructions, species adjustment tables and Wagner customer satisfaction staff can answer all of your questions.
- Batteries, instrument case and complete instructions included.

Order toll free:  
**1-800-944-7078**  
Visa, MC, Amex Accepted!  
**W&H** [www.wagner.com](http://www.wagner.com)

\*Call for a free industry study:  
**Eliminating Wood Problems**  
By Prof. Eugene Wengert

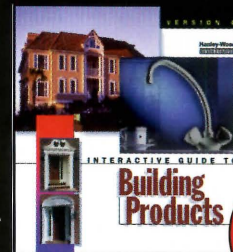


"The Moisture Meter People"

© 1999 Wagner Electronic Products, Inc.

Circle no. 286

## Products Products, Products, Products



New and  
improved  
format

17,000 products from  
3,100 manufacturers

This Web-enabled CD is fast, easy-to-use and the most comprehensive database of its kind. It puts all the information you'll ever need about building products right at your fingertips. Just put the CD in your CD-ROM drive, click your mouse and you'll find:

- Up-to-the-minute information on over 17,000 building products
- Over 300 new product introductions
- Product catalogs for over 30 companies
- Links to hundreds of manufacturers' Web sites
- Manufacturers' addresses, phone/fax number; email addresses and ordering information

Compatible with both Windows and Macintosh-based computer systems.

**Limited Supply. Order Today.**  
**Call 1-800-241-BLDR**  
It costs just **\$29.95**  
plus \$5.00 for shipping  
and handling.





## WHAT FUTURE SURVIVORS KNOW ABOUT...

## THE STATE OF BUILDING PRODUCT DISTRIBUTION CHANNELS

Building products are the lifeblood of the residential construction industry and how they move from manufacturer through distribution to builders and remodelers impacts the profitability of every house built or remodeled.

In this groundbreaking research, Price-waterhouseCoopers conducted over 200 in-depth interviews with remodelers, home builders, dealers/retailers, distributors/wholesalers and manufacturers and convened two industry roundtables to document the changing trends in building products distribution.

It's one-of-a-kind research, sponsored by PROSALES, REMODELING and BUILDER magazine, the three key industry publications serving dealers/distributors, wholesalers, builders and remodelers.

### What you'll get

- The eight major trends affecting the building product distribution channel
- The forces driving those trends
- Who will win and who will lose
- What conflict among the players in the channel means to you

## Order Your Copy Now!

### Call, mail or fax your order to:

Hanley-Wood, Inc.  
Reprint Department  
One Thomas Circle, N.W.,  
Suite 600  
Washington, DC 20005

Fax: 202-785-1974  
202-736-3446 weekdays  
between 9 a.m. and 5 p.m. EST

☐ \$995 + \$3.75 shipping\*

Total \$ \_\_\_\_\_

Please provide us with your name, address, telephone number, credit card number and expiration date.

\* To order more than one copy, please contact us.

You've been recognized, now  
**xi** **size** your exposure!

Let your coverage work for you all year.  
Market your expertise using professional custom reprints.

- ▶ Include with marketing materials and proposals
- ▶ Create a direct mail piece
- ▶ Distribute at trade shows/events
- ▶ Use as an office display
- ▶ Reinforce your professional credibility with clients

REPRINTS MARKET FOR YOU

Order REPRINTS of  
YOUR COMPANY'S  
feature from  
this issue

Call Janis Glazier  
(202) 736-3447

Minimum order:  
500 reprints

online:  
**www.concretehomes.com**

Whether you're an architect, home builder or potential home buyer, here's solid information on using Insulating Concrete Forms (ICFs), Concrete Masonry and Aerated Concrete for above-grade walls, plus other innovative concrete technologies for floors, decorative trim, siding, roofing, driveways and patios.

hotline:  
**1-888-333-4840**

## Get Concrete Answers for Residential Construction



You'll learn all the advantages and benefits of energy efficient, beautiful concrete homes ... built to last in any environment. And you'll discover all the technical assistance and other resources available through the Portland Cement Association.



PORTLAND CEMENT ASSOCIATION



# ENKEBOLL DESIGNS

## ARCHITECTURAL WOODCARVINGS

©R.E.D. 1996-99



For your copy of our 104 page Color Product Catalog, send \$20.00 for bound book, \$30.00 for special ring binder. Visa/MC/AMEX welcome. Complimentary brochure available.

16506 Avalon Blvd. RA59 Carson, CA 90746  
Tel: (310) 532-1400 Fax: (310) 532-2042 [www.enkeboll.com](http://www.enkeboll.com)

Circle no. 216

## Unique Fireplaces... for Unique Homes



Superior craftsmanship and simple, versatile installation make Regency Fireplace Products the perfect accent for your home designs. Create the look you want with over 30 models and custom built surrounds with genuine 24 karat gold tarnish free trim. Backed by a limited Lifetime Warranty, Regency offers the quality, durability and peace of mind, you demand from your building materials.

**Regency**  
FIREPLACE PRODUCTS

• Phone: (604) 946-5155 • Fax: (604) 946-0479 or visit us on the internet @[www.regency-fire.com](http://www.regency-fire.com)

Circle no. 234

Lowers Utility Bills.

Cleans The Air.



Homes that carry the ENERGY STAR® label come with an attractive feature: energy efficiency. The average home produces more air pollution than the average car; but when you buy an ENERGY STAR Home, you'll use less energy and help protect the environment. And since ENERGY STAR Homes are at least 30% more efficient than standard homes, you'll see lower utility bills. So any increase in your mortgage payment can be exceeded by the savings you'll see on your monthly utility bill. And that means you'll start saving from the day you move in. For more information and a list of ENERGY STAR builders in your area, call 1-888-STAR-YES (1-888-782-7937).



The ENERGY STAR label is sponsored by the U.S. Environmental Protection Agency and the U.S. Department of Energy. ENERGY STAR is a registered mark.





Let your coverage work for you all year. Market your expertise using professional custom reprints.

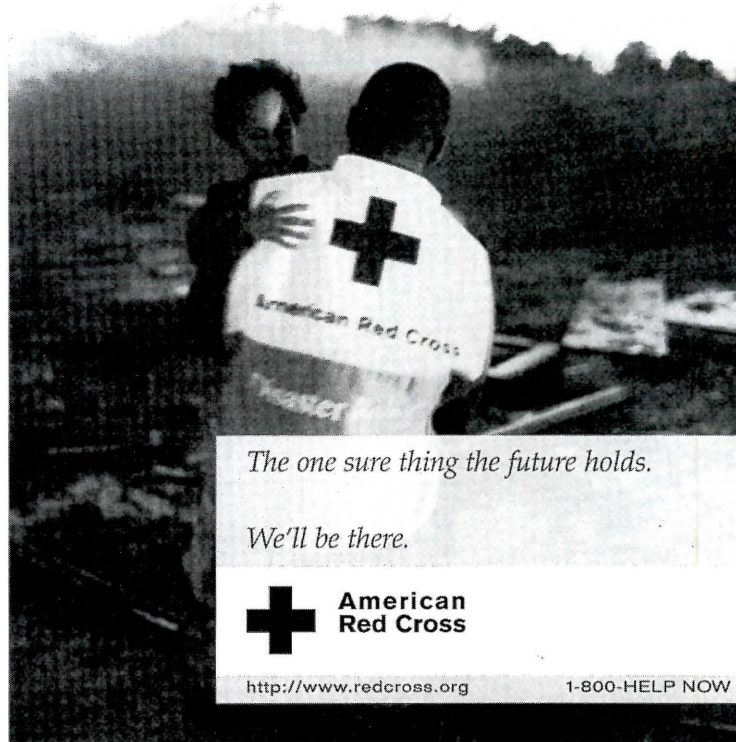
- ▶ Include with marketing materials and proposals
- ▶ Create a direct mail piece
- ▶ Distribute at trade shows/events
- ▶ Use as an office display
- ▶ Reinforce your professional credibility with clients

#### REPRINTS MARKET FOR YOU

Order **REPRINTS** of  
**YOUR COMPANY'S**  
feature from  
this issue


Call Janis Glazier  
(202) 736-3447

Minimum order:  
500 reprints



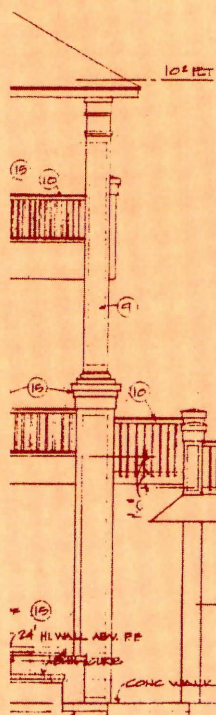
*The one sure thing the future holds.*

*We'll be there.*

 **American Red Cross**

<http://www.redcross.org> 1-800-HELP NOW

## Your Job is to Put a Roof Over Your Client's Head Now Protect Yourself



### The American Institute of Building Design

has made available to its members an affordable **Professional Liability Insurance** program designed to insure against acts, errors or omissions of a member while rendering or failing to render professional services to their clients. The Professional Liability Program is written on a standard Architects/Engineers Professional Liability form through a nationally recognized program administrator and an A.M. Best "A" (Excellent) Rated carrier. This Professional Liability Program is available only to professional members of AIBD.

For more information please contact  
AIBD - 991 Post Road East  
Westport, CT 06880  
(800) 366-2423, [www.aibd.org](http://www.aibd.org)

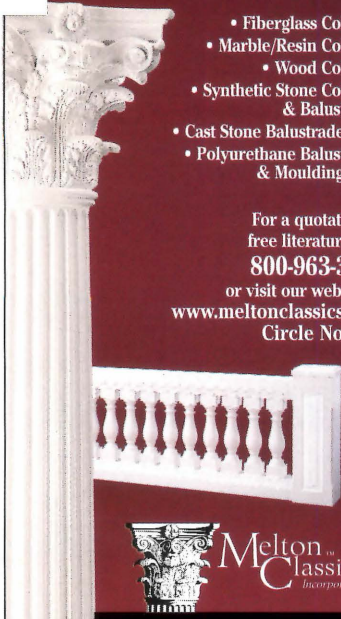


Circle no. 63



# product literature

## COLUMNS, BALUSTRADES, & MOULDINGS, ETC.



- Fiberglass Columns
- Marble/Resin Columns
- Wood Columns
- Synthetic Stone Columns & Balustrades
- Cast Stone Balustrades, etc.
- Polyurethane Balustrades & Mouldings, etc.


For a quotation or free literature call:  
**800-963-3060**  
or visit our website at  
[www.meltonclassics.com](http://www.meltonclassics.com)  
Circle No. 401

**Melton Classics**  
Incorporated

## ENHANCE YOUR HOME...

# Custom RAIL

by CDM




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

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

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

CUSTOM DECORATIVE MOULDINGS  
P.O. Box F • Greenwood, DE 19950  
TOLL FREE: 1-800-543-0553 • PHONE: 1-302-349-4937  
FAX: 1-302-349-4816 • [www.cdm.nanticoke.com/](http://www.cdm.nanticoke.com/)  
Circle No. 402




## York Spiral Stairs

We are proud to introduce you to our line of York Spiral Stairs. We believe our stairs are the finest products on the market today. Our unequaled experience in design and construction has created a stair system which is beautiful today and engineered to be durable for years to come. Call (800) 996-5558. [www.durathrmwindow.com](http://www.durathrmwindow.com)  
Circle No. 403

# CHADSWORTH'S 1.800.COLUMNS®

Voted No. 1 Brand in U.S.

## WOOD POLYSTONE™ FIBERGLASS



- Columns, pillars, pilasters, posts
- Worldwide shipping
- Competitive prices
- Interior/exterior
- Job-site delivery
- All sizes

IDEA BOOK \$15 soft cover, \$25 hard cover. Includes Columns Product Portfolio. Columns Product Portfolio \$5. FREE BROCHURE

**1.800.486.2118**  
[www.columns.com](http://www.columns.com)  
Historic Wilmington, NC  
Telefax 910.763.3191  
Atlanta • London



## Kitchen Rangehood Venting

Tired of noisy rangehood ventilation that doesn't work? Our quiet, efficient UL listed fans will move your steam and heat up and out. Adaptable to most residential and commercial style rangehoods. Let us show you real ventilation.  
Phone: 800.747.1762; Fax: 800.487.9915;  
[www.fantech-us.com](http://www.fantech-us.com)  
Circle No. 405



# product literature



Home owners and commercial jobs alike are always looking for that "special" finishing touch and the new 45° Chamfer Bead offers you that opportunity with the latest contemporary designer look. Achieve dramatic special effects in finishing corners, ceilings, doorways, wall insets, book cases and more. Limited only to your imagination, the user-friendly application is simple and economical. As with all our industry leading rigid vinyl drywall accessory products, the new 45° Chamfer Bead is designed and produced from the finest quality materials and craftsmanship, available to you from inventory with unbeatable delivery schedules. Write, call, fax or check our web site and get all the facts and details of all our 200 leading edge products.  
 TRIM-TEX, INC. • 3700 WEST PRATT AVE. • LINCOLNWOOD, IL 60645  
 PHONE 1-800-874-2333 • FAX 1-800-644-0216 • web: [www.trim-tex.com](http://www.trim-tex.com) • **Circle No. 406**



## Arcways, Inc.

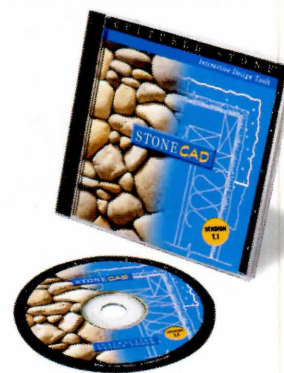
For over a quarter of a century, Arcways has created premium quality staircases for discriminating builders across America. Job site delivery, installation assistance, pre-fit balustrades and shop drawings were pioneered and perfected by Arcways. Call or write for our free curved stair planning guide. It shows you how to satisfy your customers and increase your profits by designing an Arcways Curved Stair into practically any floor plan. (800) 558-5096.  
[www.arcways.com](http://www.arcways.com) • **Circle No. 407**



## Royal Corinthian, Inc. offers premium synthetic columns and balustrade systems.

- ◆ Jobsite delivery. ◆ Durable and long-lasting for both interior and exterior applications.
- ◆ Wide variety of sizes, styles, and finishes. ◆ Custom orders.
- ◆ Patent pending balustrade system, which was designed by engineers, is easy to install.

For more information call 888-265-8661 or visit us on our website at [www.royalcorinthian.com](http://www.royalcorinthian.com).  
**Circle No. 408**



## ANNOUNCING THE STONECAD™ CD-ROM FROM CULTURED STONE®

Complete information resource on one CD-ROM—everything you need to select, visualize and specify Cultured Stone® products. It contains views of all textures and colors, a photo gallery of design ideas, hatch patterns, tileable textures, installation information, specification formats and a Cultured Stone® Web site link.  
**(800)-644-4487**

*Offer limited to building professionals.  
 Please state your profession.*

**Circle No. 409**





## product literature

# WORTHINGTON

*Your source for fine architectural details*



Worthington carries a full line of architectural details. For more information on our mantels, columns, capitals, balustrades, niches, domes, brackets, medallions, moulding, table bases, pedestals, etc., call 1-800-872-1608 or fax 1-334-566-5390.

Visit our website:  
[www.architectural-details.com](http://www.architectural-details.com)  
e-mail us at:  
[worthingtonsales@usa.net](mailto:worthingtonsales@usa.net)

Shown: Sink pedestal created from a Greek Erechtheum Capital and a #403 Large Table Base.

Circle No. 410

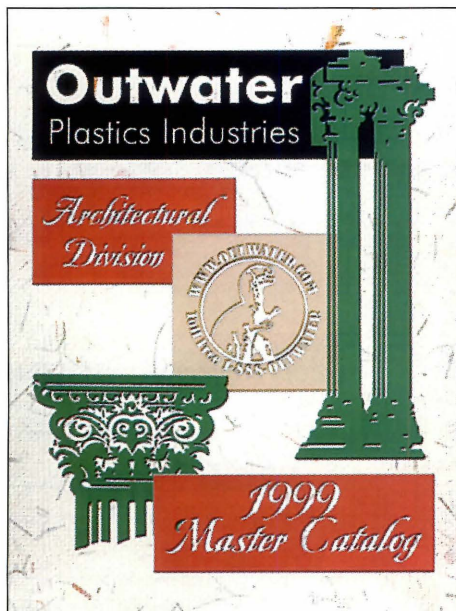


### Bufftech

Recognized throughout the world as the leading manufacturer of vinyl fence, deck and railings, Bufftech offers the perfect complement for any residential, commercial or estate application. Bufftech's virtually maintenance-free vinyl is impervious to weather, providing durability, longevity and beauty that will outlast and outperform most other types of fence, deck and railing materials. Choose from a wide selection of attractive styles including: traditional, privacy, semi-private, post & rail fencing as well as railing and decking systems.

Circle No. 411

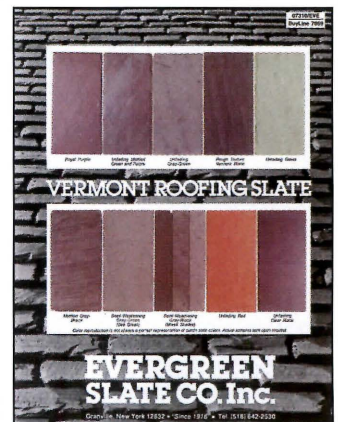
## 1999 Master Catalog



**Outwater Plastics' 950+ Page Master Catalog for 1999** is the most important building and renovating tool you will ever have in your possession. Referred to by industry professionals as "*the definitive must have reference source*", the catalog features 35,000 newly introduced and regularly stocked standard and innovative component product essentials comprising **Interior/Exterior Millwork, Columns, Brass Hardware, Lighting, Wrought Iron Components, Furniture & Cabinet Components, Knobs & Pulls, Casters, Store Fixture Components, Extrusions, Injection Molded Parts, Engineering Plastics**, and more.

Call **1.888.OUTWATER** / Fax: **1.800.888.3315** for our **Free** catalog

E-mail: [outwater@outwater.com](mailto:outwater@outwater.com) • Website: [www.outwater.com](http://www.outwater.com) • Circle No. 412



### Evergreen Slate Company, Inc.

Evergreen Slate Company has the most beautiful range of natural slate colors available. With our extensive selection and most experienced staff, we can supply any architectural effect desired or match any slate roof ever applied. We offer our literature and samples at no cost. For more information call (518) 642-2530.

Circle No. 413



# product literature

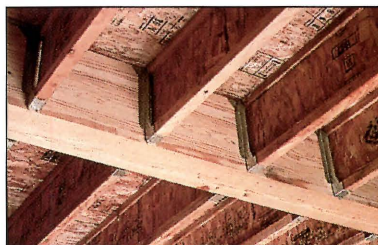


## CD-ROM of Wood Connectors

Essential for architects, designers and structural engineers, Simpson Strong-Tie®'s 1999 CD-ROM simplifies connector selection and detail drawing.

This design tool contains product catalogs (including connectors for composite wood and plated truss), fliers, tech bulletins, code reports and drawing libraries in DXF, DWG and WMF formats for CAD systems. Information on software programs for selecting connectors for joists and trusses included.

**Circle No. 414**



## Framing is E-Z

Framing a house is "E-Z" with Willamette Industries' E-Z Frame® System, high-quality engineered wood products with guaranteed consistent performance and availability at competitive prices. The system includes StrucLam® LVL, StrucJoist® I-joists, Willamette Classic/Premier/Premier Plus Glulams™ and E-Z Rim® Board. Call 1-800-887-0748 ext 200 for more information and a free Guide to Better Built Homes.

**Circle No. 415**



## North American Hardwoods

The Hardwood Council provides practical information to specifiers of North American hardwood products through "Tips and Techniques." This series of ten technical brochures, also available on CD-ROM, is designed to increase knowledge of hardwood species and applications. The Council also offers a program based on *Tips #10: The Book Behind the Look*, for architects to earn AIA/CES credits. To obtain a copy of the CD-ROM, *Tips #1-#10* or the AIA/CES test, contact the Hardwood Council: 412-281-4980 or [www.hardwoodcouncil.com](http://www.hardwoodcouncil.com). **Circle No. 416**



## VENTILATE ALL BATHS WITH ONE QUIET FAN.

**ALDES' MPV** fan is designed for multiple and extensive duct runs. Remote mounting of fan assures almost silent operation. Up to 6 exhaust points at 50 cfm each. Equipped with a continuous duty motor, the MPV may be used also to provide IAQ Ventilation. SuperQuiet, Powerful & Versatile. 3 year Warranty. Cost Effective. **American Aldes Ventilation Corp.** 4537 Northgate Court, Sarasota, Fl. 34234. Call 1-800-255-7749 [www.americanaldes.com](http://www.americanaldes.com)

**Circle No. 417**







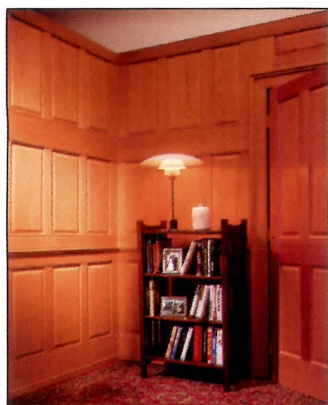

**Curved Staircases**    Stair Parts  
**800-387-7711**  
[www.stairworld.com](http://www.stairworld.com)  
 Free Catalogue    CAD Files

Exterior Railing

**Circle No. 418**



# product literature

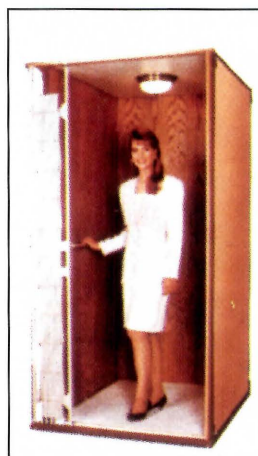


## Classical Wainscot Wall Covering Now Affordable

The New England Classic™ Raised Panel System is a bold new concept in wainscot wall covering. Design an accent wall or entire room – It's easy to layout, quick to install and readily available.

The system, made of high quality wood veneer and engineered wood, is available in Cherry, Oak, Maple and Paint-grade. Phone us at 888-880-NECI, or visit [www.homefittings.com](http://www.homefittings.com).

Circle No. 419



## Building? Remodeling?

If so, consider planning for the future by installing a Waupaca Elevator that is designed to fit your decor. A Waupaca Elevator means comfort, convenience, mobility, and safety. **DON'T BE CAUGHT UNABLE TO REMAIN IN YOUR HOME IN CASE OF ACCIDENT, ILLNESS AND/OR AGE.** Our custom capabilities assure there is an elevator to fit your needs. For further information contact:



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

**WAUPACA ELEVATOR Co.  
1050 So. GRIDER St.  
APPLETON, WISCONSIN 54914**

Tel: 1-800-238-8739 • Fax: 1-920-991-9087 • Circle No. 420

## VINYL PORCH POSTS AND RAILING



Colonial Style

**Weight  
Load  
Tested at  
5000 lbs.**

**Post  
104" Long**

**Can Ship  
UPS**

**QUALITY FENCING & SUPPLY**  
New Holland, PA 17557

**1-800-633-7093**

Circle No. 421



It's amazing the difference a Boen Hardwood floor can make in almost any room. It can be installed in a day. That's the Boen difference. For more information write:

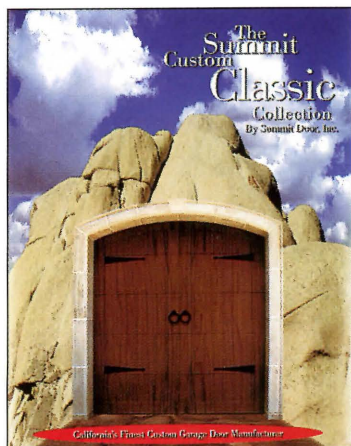
**Boen**

**BOEN HARDWOOD FLOORING**  
350 HOLLIE DRIVE • BOWLES INDUSTRIAL PARK  
MARTINSVILLE, VA 24112

[www.boen.com](http://www.boen.com) • Circle No. 422



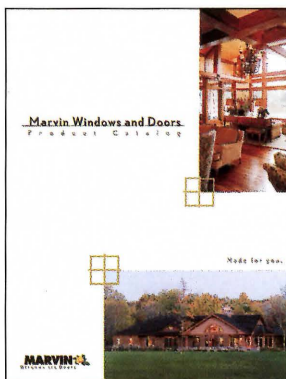
# product literature



## Summit Door, Inc.

Custom wood sectional garage doors. Unlimited variety of wood species and design possibilities. Create your own design or choose one of ours. Available through our dealer network or direct to the builder. Call our office or fax us your blueprint. Toll free (888)SMT-DOOR. Fax (909)272-6367.

Visit us at [www.summit-door.com](http://www.summit-door.com).  
Circle No. 423



## All New 1999! Marvin Windows Residential Catalog

Catalog details Marvin's complete line of wood and clad wood windows and doors. Beautiful color photographs and information on Marvin's 11,000 standard products as well as the company's newest innovations and extensive custom capabilities. Easy-to-read construction details and standard sizes are included for each product.

Circle No. 424



## Screen-Tight™ Porch-Screening System

- Low maintenance.
- Never needs painting.
- Easy to install, repair, and replace.
- No rusty nails, staples or saggy screens.
- Durable outdoor grade vinyl.
- Colors: White, Gray, Beige, Brown
- Perfect for 2x4, 4x4 frame construction.
- No mitering!
- Rescreening is a "snap"!

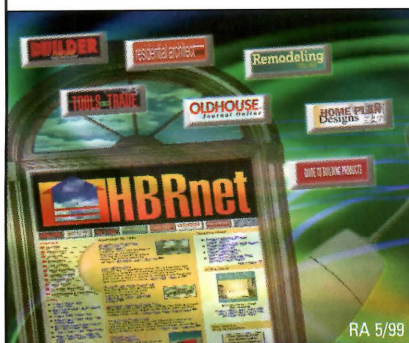
1-800-768-7325  
[www.screentight.com](http://www.screentight.com)

Circle No. 425



## WHERE THE HOUSING INDUSTRY DOES BUSINESS

<http://www.hbrnet.com>



RA 5/99

THE HOME BUILDING & REMODELING NETWORK  
[WWW.HBRNET.COM](http://WWW.HBRNET.COM) Hanley-Wood, Inc.

## Neo Solution III Shower Enclosure From Duschqueen



The frameless Neo Solution III™ looks and performs like a custom enclosure. Utilizing curved and flat glass technology, features include a curved glass door with a 36" wide opening and flat glass sides, a fitted Americh 42" curved neo base and clear vinyl profiles. Guaranteed watertight. Duschqueen's patented new unit offers an attractive, innovative and practical solution for the bath.

For more information or the distributor nearest you, contact:  
Duschqueen, Inc.  
461 W. Main Street  
Wyckoff, NJ 07481  
Tel: 800-348-8080 or 201-848-8081  
Fax: 800-348-8438 or 201-848-0426  
Circle No. 426



special places

# point break

in the pacific northwest,

james cutler, faia, ponders nature's titanic forces.



James Cutler

**f**ive miles south of the Third Beach trailhead in Washington state's Olympic National Park lies Strawberry Point. It's a rock—maybe 200 feet tall—that's connected to the shore by a sandbar. The point itself is splitting apart, leaving a 100-foot-high by 5-foot-wide crack running through it from end to end. This small, beautiful mountain reminds me of the titanic forces of geology, weather, and life that shape this world.

But it's not just the rock and the surrounding beaches that make this my favorite place. It's the whole choreography of getting there that draws my family and me to Strawberry Point.

The walk begins in an ancient forest where each tree grows from the decaying trunk of its ancestor. The quiet solemnity here always makes us whisper when we speak. In the distance we can hear the sound of the crashing surf,

and before long we break out to the ocean.

When we walk along the beach, our footprints in the sand are erased almost as quickly as we lay them down. I wonder how many thousands of human feet (shod and unshod) have tread here. Farther on, we test our strength on the headlands, where we can observe the forces of weather and life eroding the edge of the continent. The combination of physical exertion, powerful visuals, and the acoustics of the surf makes the two hours it takes to get to Strawberry Point pass quickly.

Once we've arrived, we can sit on the sand and share the sensations of all those who came before and loved this spot. By our physically intimate interaction with the place, we are transported, temporarily and emotionally. There are lessons here for architects—or for anyone who choreographs movement into or through our landscapes. **ra**