THE ALL-NEW PELLA® CASEMENT WINDOW

Pella's new standard casement, with a crank system that needs to be seen, or hidden, to be believed.
• Fold-away handle completely integrates into window frame for a sleek look.

• Patented SureLock® system lifts and locks sash for secure closure.

• Standard venting units now available up to 35" x 71".

• High-quality stainless steel operating hardware for durability and performance.

• DP50 commercial-grade performance available on all standard sizes.

• Clients notice the details. Get noticed with pella.
Superior's new direct-vent gas fireplaces are designed not only for beauty, with realistic logs and larger glass viewing areas, they’re also built to install easier than ever almost anywhere. Both top and rear vent outlets give you many more location choices.

And using our new Secure-Vent™ makes installation simple and reliable. Laser-welded seams and twist-lock compression fit create a truly airtight system. The components slide together effortlessly and fit three times tighter than the industry standard! For the distributor nearest you, call 800-731-8101. He’s your Superior connection.

* Secure-Vent™ by Security Chimneys International
from the editor...page 13
letters...page 16
home front...page 30
Meier's honor / Chattanooga report / Cooks' tour /
Last call: Renaissance '00 / AIA expo / Common code /
High Sierra marks / Sunken treasure / Bench press
practice...page 50
With so many products available, how do you help your clients
choose wisely? Veterans of the spec wars share their strategies.

cover story: architects' choice...page 67
We asked some of the country's top residential
architects what products they love most.
Here are their favorites—and why.
produced by Meghan Drueding and James Schwartz

beyond the projects...page 92
A new generation of affordable housing—
represented here by outstanding developments
in California, Chicago, North Carolina, and
Washington, D.C.—cultivates community.
by Bruce D. Snider

doctor spec...page 120
By posting a 3-D model on the Web, an architect keeps a show-home
project's scattered participants well informed.

hands on...page 128
Clever light boxes built into the floor illuminate a dark interior.

great houses...page 152
Lessons from an old family home shape J. Carson Looney's work.

Cover photo: David Sharpe
A Process Made Easier...

DESIGN FLEXIBILITY
For thirty years, we have been facilitating timber frame projects for hundreds of architects. An important part of our success is allowing the architectural plan to dictate the frame design.

... A Home Made Better.

QUALITY CRAFTSMANSHIP
While structural integrity is imperative, functionalism must be married to form. Our experienced designers and craftsmen ensure that each timber in the frame performs its job both structurally and aesthetically.

Working with architects to design and craft the most beautiful timber frame homes imaginable.

Vermont Timber Frames, Inc.
7 Pearl Street, Cambridge, NY 12816
PH: 518-677-8860
FAX: 518-677-3626
Website: www.vtf.com
Email: jimgibbons@vtf.com
Circle no. 334
Imagine a warm tropical rain...
Listen to the raindrops pattering gently on the forest floor.
Feel the soft caress of the water as it wraps you in its soothing embrace.

Inspired by the sensuous splendor of the tropical forest, Rainforest™ from MAAX® has redefined the very essence of showering with its enticing new design and innovative leadership.

Visit us and discover our inspired line of new bathroom products for 2000 at KBIS, Booth No. 3405. Welcome to paradise!

MAAX®
Ahead of the Wave
Designer and Manufacturer of Bathroom Products
Northeast: 1 800 463-6229 • Midwest: 1 800 846-3298
Southeast: 1 800 625-6229 • Western Regions: 1 800 463-6229
Circle no. 345
www.maax.com
Want to flex your creative muscles a little more? Look to ImproveNet. We have all the resources to help you win the most interesting home improvement projects in your area. And work with homeowners whose average budget is over $50 thousand. If you’d like to do more of the work every architect and designer dreams about, go to ImproveNet.com for membership information.
We challenged our research center to give us the thickest asphalt shingle ever made, and they developed the world's premier Tri-Laminate. Shingles so thick they cast their own shadows to create a dramatic cedar shake effect. But, never to rest on their laurels, they took their know-how to an even higher level with the beautiful new Presidential TL. An even thicker Tri-Laminate to make luxurious homes look even more luxurious. Engineered with the highest UL Class "A" Fire rating and UL Wind rating, and 3M™ Algae Block” to protect them from dark, dingy effects of algae build-up. Presidential TL features a Lifetime Transferable Warranty, and has earned the coveted Good Housekeeping Seal. One more example of the knowledge we have to share with you about Celotex building materials. To learn more, visit our learning center, Celotex Tech, at www.celotex.com, or call 1-800-CELOTEX. “We’re the company you can talk to.”
Shelter is easy. Exhilaration is not.

This is your calling. To create an intriguing space. At your mercy are long-lasting windows that go far beyond wood and glass.
Built to your specs to create a refuge that livens things up. Call 1-800-477-6808 x2329 or visit us at weathershield.com See the light.

Circle no. 25
Jacuzzi presents one of the hottest household innovations since the whirlpool bath—Astracast® kitchen sinks. Astracast is a Jacuzzi® composite material that's even harder than cast iron. It's remarkably beautiful yet virtually indestructible. Blazing 400° pans can't scorch it. Blades won't scratch it. Cast iron pots won't chip it. Choose from lustrous single and double bowl sinks in a popular palette of solid and granite colors. Fire up your business with Astracast, only from Jacuzzi.

Circle no. 67

Call or click for more information and a free catalog 1-800-288-4002 • www.jacuzzi.com
from the editor

word of mouth

do you know what people are saying about you?

by s. claire conroy

Everyone who knows you has an opinion of you. Some people like you, some love you, and some misguided souls may dislike or even—gulp—hate you. Now, the latter might be just fine if you were independent counsel Kenneth Starr, but it’s a problem if you’re a residential architect. Although you may hope the beauty of your architecture is what wins you commissions, that’s probably only part of the equation. Word of mouth is the real behind-the-scenes deal sealer. It’s the single biggest sales tool you have going for you.

We live in the dreaded information age, bombarded through every existing medium with advice, news, things to buy, and so on. It’s nearly impossible to sort through everything we encounter and assign a value to it. Maybe that’s why word-of-mouth recommendations are more important than ever.

If someone we trust and respect tells us about something important, that gets our attention.

pulling teeth

If I’m looking for a dentist—someone who’s going to have a direct, personal effect on my life and well-being—I certainly want a close friend to recommend someone she’s gone to happily, healthily, for years.

And if I’m going to spend $500,000 or $5 million on a custom home, I definitely want a talented architect who can design wonderful houses, but I also want one I can deal with contentedly for the two years or more of close collaboration the process requires. I want someone I trust to tell me her experience with my architect was good for her.

Have you stopped to think about all the ways you may be losing that precious word-of-mouth recommendation among your clients? Have you alienated them by not returning their phone calls promptly? By dismissing a concern they mustered the courage to tell you about? By directing your comments to one spouse and unconsciously ignoring the other? By designing something beyond their budget?

Keeping your clients’ high regard is a minefield, and you have to watch not only your own behavior but that of every member of your firm.

There’s another, more subtle way you may be short-circuiting your referrals: by disaffecting custom builders. If you damage your reputation among those best suited to build your houses, you’ll find only inferior builders willing to work your projects. They’ll butcher your jobs and ruin your relationship with your clients.

How do you know if you’re builder poison? Some clues: Do reputable builders work with you once and not again? Are they suddenly busy on other jobs? The bold ones might tell you gently your jobs are too complicated or unprofitable for them. The untold story may be they’re calling you “difficult” or worse behind your back.

Your good work and your good name are all you have going for you. Treat them like gold.

expert opinion

Wouldn’t you love to be able to assemble a panel of experts every time you had a question? Well, magazines have that luxury. This issue we asked top residential architects from across the country to recommend their favorite products. The resulting feature, “Architects’ Choice,” begins on page 67.

We’ll do this feature again next year, so if you have a favorite product you’d like your peers to know about, send the recommendation our way. Add your voice to the word of mouth.

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

These are the words of S. Claire Conroy, a residential architect. She advocates the importance of word of mouth in the architectural industry, emphasizing that word-of-mouth recommendations are more significant than ever in the information age. The article highlights the potential damage to a residential architect's reputation if clients feel alienated or if their recommendations are ignored. It also discusses the importance of maintaining a good relationship with clients, builders, and other professionals in the field to sustain business. The feature suggests consulting with top architects to gather recommendations on preferred products, which the magazine plans to continue annually. For inquiries or contributions, readers are encouraged to reach out to S. Claire Conroy at the provided contact information.
Build Your Reputation on a WELL-CONNECTED House!

CONTINUOUS LOAD TRANSFER PATH.
In new construction or older retrofits, Strong-Tie® connectors help provide the continuous load transfer path of a well-connected house.

GREATER DURABILITY.
Solid connections at and roof rafters, mean greater durability to help withstand imposed loads at critical building junctures throughout the structure.

LOW INSTALLED COST.
Engineered for quick and easy installation, Strong-Tie connectors save costs in time, labor and materials. For retrofit, remodeling or new construction, they're the first choice for professionals.

CODE RECOGNIZED.
Strong-Tie has more code-recognized connectors than any of its competitors. Since 1956, we've set the quality standard in the timber connector industry- and have earned the reputation of having no equal!

SIMPSON STRONG-TIE® CO., INC.
The World's "No Equal" Structural Connector Company

Circle no. 26

For extra reinforcement where it counts, choose Strong-Tie, the brand to help you get well-connected.
Because the Best Windows Are Built Out of Your Imagination

For a FREE catalogue on Kolbe & Kolbe wood or vinyl windows and doors, call 1-800-955-8177 or visit us on the World Wide Web at www.kolbe-kolbe.com.

Circle no. 277
Letters

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

wright way

I am delighted to have been included in the February issue (Great Houses, page 88).
The photos you selected of the Goetsch-Winckler House, one of Frank Lloyd Wright's Usonian Houses, are very good. I hope seeing them will inspire some creative thinking for low-cost single-family housing, which we sorely need. Most low-cost single-family housing today looks like something out of the 19th century.

Eric Lloyd Wright
Eric Lloyd Wright Architecture & Planning
Malibu, Calif.

I just read your February issue featuring the Homes for Habitat competition. Last year you featured 12 entries. Why only six this year? Could it be because this year's program (specifically, the 28-by-40-foot footprint) was so restrictive compared with last year's competition?

Your magazine recognized four of the five possible basic layouts. The only concept not represented was four bedrooms down the length of the house. Since there must have been so many entries with identical plans and elevations, what separated the winner from the rest? It certainly was not unique. The article highlighted design features common to other entries, including my own. I believe architects and others would be interested to hear more comments from the judges.

I'm looking forward to this year's challenge.

Ken Mackenzie via e-mail

The editor replies: Although our Homes for Habitat competition is a design awards program, it is primarily a charitable enterprise to benefit Habitat for Humanity International. Because the
Habitat affiliate, the recipient of the house, and the building site change from year to year, the program is different each year as well.

And because we actually build the first-place-winning design, the judges are very pragmatic in their decision making: Will this design work for the family, does it make good use of limited space, will the elevation fit the neighborhood, and, most important, can a volunteer crew build this house easily?

For the 1999 competition, once the judges had identified the most practical, buildable plans, they narrowed the field to designs that were quite similar. Their final decisions were truly a matter of splitting hairs—balancing the best bedroom sizes, great-room size, pleasing elevations, and ease of construction.

When it came time for the judges to bestow other design awards (the number of awards is at their discretion), they chose from among the group of similar finalists they had pored over for so long. And thus, the top awards looked much alike. Uniqueness was not among the judges' chief concerns; livable, buildable, and pleasant-to-look-at were.

redlines

In the February issue's coverage of the Homes for Habitat design competition, we misspelled the name and firm name of one of the award winners and misidentified another. The correct information appears above. We regret the errors.
THE FIRST CHOICE IN WHIRLPOOL BATHS...

The Bellavista™
...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
Some things are famous for their cracks.
The houses you build shouldn't be.

If you build with stucco, then you know. Do the job right and you'll do the job once. That's what more and more builders are now discovering with new Tyvek® StuccoWrap™, the latest addition to the Tyvek® Weatherization System. We've specifically engineered StuccoWrap™ to manage the challenges of both traditional and synthetic stucco applications.

Unlike building papers, StuccoWrap™ won't absorb water. With traditional stucco methods, this provides for a more even curing process and results in a stucco up to 30% stronger, with minimized cracking.

With synthetic stucco or EIFS construction, the grooved texture of StuccoWrap™ channels moisture away from the structure.

This water management feature of StuccoWrap™ helps prevent the damage caused by water.

StuccoWrap™ also offers all the same benefits of Tyvek® HomeWrap™, keeping your homes cool in summer and warm in winter. Exactly what you want, no matter where you build.

Use Tyvek® StuccoWrap™ Because when your reputation's on the line, you can't afford not to do the job right. For more information, or to speak with a DuPont Tyvek® Specialist, call 1 800-44-TYVEK®
(1 800-448-9835).

© 1998 DuPont. Tyvek® is a DuPont registered trademark for its brand of spunbonded olefin. HomeWrap™ is a DuPont trademark for its brand of weatherization system. StuccoWrap™ is a DuPont trademark for its brand of weatherization system.
Millennium siding has no equal. We're not kidding.

Specify Wolverine Millennium siding with the patented
SmartWall™ System that incorporates the NailTight™ Flexible Hem
and PermaFlex™ Suspension Cables. These allow the panel to
adjust as homes expand and contract with changes in
seasons and temperatures. Or specify the only siding with
the "Blow-Off Warranty." Either way, there is no equal.

We call this concept SpecLock™

Specify Millennium. You'll get beauty,
performance and durability. It won't rip off the wall.

And no one can rip off your specs. Learn more at
www.siding.com, www.sweets.com or
www.arcat.com. For a free sample and a copy
of the warranty, call the Wolverine Architect
Hot Line, 888-838-8100.

Windows and Doors from Marvin. All of our Integrity products have a virtually indestructible exterior made of Ultrex®—a material much more durable than vinyl. With Ultrex, these easy-to-install windows and doors stay square as well. Moreover, Ultrex’s high insulating properties ma...
Integrity products remarkably energy efficient. Enough, in fact, to earn an Energy Star qualification. But, brawn is nothing without beauty. So Integrity products also come with wood interiors you can stain or paint. And Ultrex's finish is paintable to match exterior colors, too. For your next job, look to Integrity from Marvin. With our complete line of products, including the new swinging door, you'll easily find what you need. And that, in our book, always leads to a happy ending.

Discover what we're made of, call 1-800-267-6941. In Canada, 1-800-263-6161. www.integritywindows.com

Circle no. 331
Your company is featured in *residential architect*. Share this honor with your clients and associates through professional custom reprints—marketing materials that are as unique as your designs.

- Include with marketing materials, proposals, and plans
- Display in your office
- Distribute at trade shows and events
- Create a direct mail piece
- Reinforce your professional standing with clients

To order reprints of your company's feature from this issue call Kerrie Harrison
(202) 736-3446
Minimum order 500 reprints

---

**Trimroc**

The Only Thing That Should Be

Between Your Ceiling And Your Walls.

*Not Your Ordinary Crown Moulding*

Call 888-629-5899 for our FREE profile guide.

www.canamould.com

---

**Log on**

www.calredwood.org

California Redwood Association
1-888-Cal-Redwood

Circle no. 354
Think outside the box.

A CELLINI MONACO KITCHEN IN BIRD'S EYE MAPLE

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
A KOHLER COMPANY

TO ORDER A 'KITCHEN PLANNER', PLEASE SEND YOUR NAME AND ADDRESS WITH A $5 CHECK.
TO ORDER A 'CANAC INSPIRATIONS' BOOK, PLEASE SEND YOUR NAME AND ADDRESS WITH A $15 CHECK (PAYABLE TO CANAC KITCHENS) TO: KITCHEN PLANNER, 360 JOHN STREET, THORNHILL, ONTARIO CANADA L3T 3M9
Granular Surfaced Leak Barrier

“The Ultimate Leak Barrier”

Exceptional Leak Protection...
Rubberized, fiberglass-reinforced asphalt membrane insures long-lasting, watertight seal
Eliminates Waste...
Repositionable adhesive aggressively adheres over time
Easy, Precise Installation...
Split release film
Lays Flatter...
Fiberglass reinforcement
Enhanced Safety...
Slip-resistant surface

GAF MATERIALS CORPORATION
GAF Materials Corporation • 1361 Alps Road • Wayne, NJ 07470
Built-in kitchen appliances from Gaggenau are the perfect balance of form, technology, appearance and practicality.

A wonderful example is the Gaggenau VK 111 built-in steamer. Unlike a pressure cooker, this new multifunction appliance steams and stews food without pressure. Utilizing two cooking inserts, a stepless temperature control and an advanced heating and pressure release system, your water or soup stocks evaporate quickly and efficiently. It allows you to steam gently, while retaining the natural taste, color and aroma inherent in the food. You save vitamins and minerals while using less energy.

To find out more about this cooking innovation or other unique appliances in the Gaggenau collection, call us at 1-800-828-9165. Or visit us online at www.gaggenau.com/us.

The difference is Gaggenau.

Circle no. 52
There was a time when you could only build it in your head. Freedom to create what you once only dreamed possible. Trex® Easy Care Decking®. No sealing. No splinters. No limits.
trex.com or call 1-800-BUY-TREX ext. 631 for your Trex Specifier's Kit.

Circle no. 33
lasti ng impression

designing a house that’s beautiful and livable at the moment of its completion is one thing. But creating a residence that astounds and awes 33 years later is quite another.

Richard Meier, FAIA, (below, left) accomplished both with his 1967 Smith House, in Darien, Conn., and this year the American Institute of Architects recognized that achievement. The AIA bestowed upon the house its 25-Year Award, which it gives each year to a building project ranging from 25 to 35 years old that exemplifies a design of enduring importance. The Smith House is only the sixth residence to win in the award’s 31 years of existence.

The judges remarked on the steel-framed building’s singular craftsmanship, its relationship to its site, and its effect on generations of Modern architecture.

“Smith House was a turning point for Richard Meier,” says San Antonio architect Boone Powell, FAIA, who nominated the home for the award. “It represented a culmination of everything he’d done up to that point, and it led the way to the work he did later.” Meier’s client must have felt the same way; the house remains in the hands of its original owner.—meghan drueding
cooks’ tour

If consumers can take a Range Rover for a test spin, why not a high-powered cooking range? That’s the thinking behind Viking’s new Culinary Arts Center. It opened its first demonstration kitchen in Memphis, Tenn., last spring and a second one in Nashville, Tenn., in November. Conceived as both teaching kitchen and retail shop for professional-caliber cooking tools, the centers host cooking classes and demonstrations by visiting chefs.

“The centers benefit designers by offering their clients the opportunity to test-drive the full Viking product line in a setting where they can use the products the way top chefs would use them in their own kitchens,” says Jane Crump, Viking’s marketing home economist. The appliances aren’t actually sold at the centers. Consumers are referred to a local dealer.

chattanooga report

The United Nations chose Chattanooga, Tenn., as one of its 12 Global “Best Practices” Cities in 1996. In 1997, Utne Reader named the location one of the 10 most enlightened towns in America. And U.S. News & World Report designated it one of six international “smart cities” in 1998. With all that acclaim, you’d think the city’s planners would be content to sit back and relax.

They’re not. River Valley Partners, a not-for-profit downtown economic development organization, recently commissioned a study by Ernst & Young Kenneth Leventhal to examine Chattanooga’s development needs over the next 15 to 20 years. One of the study’s major findings: More downtown housing will be a key component of the city’s continued economic success.

Chattanooga has a head start on tackling that issue. According to Jill Kidder, River Valley Partners’ marketing director, 125 to 150 units of housing have been built downtown since 1993. Previously, no one had built anything residential there in 20 years. Some 150 to 175 additional residential units, from low-income to luxury, are committed or under construction. Keep an eye on this progressive city for new answers to dwelling well downtown.

—m.d.
See what happens when you're open to suggestions?
Five new products introduced in the last nine months alone. Why so many? Simple. To meet a need. Your needs, for products that are more durable, more consistent, easier to install. Your customers’ needs, for a unique shape, a special size, higher performance or lower maintenance.

At Marvin, we make wood windows and doors in over 11,000 standard shapes, styles and sizes. Add to that our virtually unlimited custom capabilities and the point is this: no matter how simple or complex your project is, we’ve got the ideal solution for you. All you have to do is ask.

For a free catalog, call 1-800-236-9690. In Canada, 1-800-263-6161. www.marvin.com
The Renaissance '00 design competition, sponsored by *Residential Architect's* sister publication *Remodeling* magazine and the NAHB Remodelors Council, recognizes excellence in residential and light commercial remodeling and renovation. For more information, call 202.736.3450, or visit www.remodeling.hw.net. At left: A Renaissance '99 winner by House + House of San Francisco.

**132nd annual national AIA convention and expo**
**May 4-7**
Pennsylvania Convention Center, Philadelphia

Look for residential design seminars and product booths at the AIA's yearly conference. For details, e-mail convention@aiamail.aia.org, or call 202.626.7300.

**Lightfair International 2000**
**May 9-11**
Javits Convention Center, New York City

Join more than 17,000 architects, engineers, and other design professionals at the country's largest architectural and commercial lighting trade show and conference. As many as 400 exhibitors will display their products at the event. Register at www.lightfair.com.

**American Modern, 1925-1940: Design for a New Age**
**May 16-January 7**
Metropolitan Museum of Art, New York City

More than 135 objects—including furniture, appliances, lamps, and the like—created by the first generation of American industrial designers will be on display as part of this special exhibition at the Met. For details, call 212.535.7710, or go to www.metmuseum.org. Shown above: lounge chair (1932) by Paul T. Frankl.

**A/E/C Systems 2000**
**June 5-8**
Washington, D.C.

At the 21st A/E/C international technology trade show and conference, attendees will have access to 1,300 booths and 100 educational programs. For details, call 800.451.1196, or e-mail info@aecsystmes.com.

**ULI Conference**
**June 12-13**
Charleston, S.C.

This Urban Land Institute conference will address issues related to the development of resort and active adult communities. For more information, call 800.321.5011, or e-mail kkaiser@uli.org.

**The Politics of Place: CNU 2000**
**June 15-18**
Portland, Ore.

The Eighth Annual Congress for the New Urbanism will convene to discuss methods of creating better communities. To register, call 415.495.2255, or go to www.cnu.org.

**National Design Triennial**
**Through August 6**
Cooper-Hewitt National Design Museum, New York City


**Frank Lloyd Wright: Windows of the Darwin D. Martin House**
**Through August 20**
National Building Museum, Washington, D.C.

View original art-glass windows, doors, and skylights created by Frank Lloyd Wright for the Buffalo, N.Y., Darwin D. Martin House (1906), which is undergoing a $23 million restoration. Call 202.272.2448 for details, or go to www.nbm.org.
18 Credits in 4 Days!

Come to AIA's National Convention in Philadelphia (May 4-6) to earn valuable continuing education credits at seminars and on the expo floor. All credits will be electronically recorded for AIA members immediately following the convention. For details visit: www.aiaconvention2000.com

CONTINUING EDUCATION EVENTS

<table>
<thead>
<tr>
<th>WHEN</th>
<th>THE EVENT</th>
<th>LOCATION</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAY 2-3</td>
<td>AIA/CES Providers Conference</td>
<td>Philadelphia, Pennsylvania</td>
<td>This event is designed for AIA/Continuing Education System Providers both old and new. Learn how to play a key role in the professional development of architects and about new guidelines for 2000. Contact Kay Kane at <a href="mailto:kanek@aiamail.aia.org">kanek@aiamail.aia.org</a>.</td>
</tr>
<tr>
<td>MAY 12-14</td>
<td>AIBD Mid-Atlantic Conference</td>
<td>Lancaster, Pennsylvania</td>
<td>Highlights of this conference include a tour of old Lancaster, the Amish country and seminars on the historic significance of farmhouse structures and timber framing. Contact Elaine Farrell at <a href="mailto:efarrell@farrell-assoc.com">efarrell@farrell-assoc.com</a>.</td>
</tr>
<tr>
<td>MAY 17</td>
<td>CAAD Primer: An Intro to 3-D Modeling and Rendering</td>
<td>Charlottesville, Virginia</td>
<td>This twenty-hour program introduces three-dimensional computer aided architectural design, digital terrain modeling, and rendering. Contact Roseanne Parks at <a href="mailto:parks@virginia.edu">parks@virginia.edu</a>.</td>
</tr>
<tr>
<td>JUNE 9-11</td>
<td>AIBD Texas Society Convention</td>
<td>Corpus Christi, Texas</td>
<td>Headquartered on the beach, this convention will feature a tour of Heritage Park – a group of historic buildings that were restored after being moved to a city park from various locations around Corpus Christi. Contact Lilli Gonzalez at <a href="mailto:texasaibd@aol.com">texasaibd@aol.com</a>.</td>
</tr>
</tbody>
</table>
Fresh out of Europe. A whole new world of designs crafted to
American specifications. 1-800-521-9797 ext. 226 or www.americanstandard-us.com

Circle no. 273
common code

It may not inspire a ticker-tape parade, but the release of the International Building Code (IBC) this spring is monumental as a nationwide baseline for prescriptive codes and standards. Part of an 11-book set, the IBC and other so-called I-codes (including the International Residential Code, or IRC, also recently released) consolidate the fragmented system of regional model codes into a single series that applies coast to coast—as soon as state and local code jurisdictions adopt them. The I-codes mean that, “as an architect, I don’t have to reorganize my thoughts depending on the jurisdiction,” says David Collins, FAIA, chairman of the AIA’s code committee. Even states like New York and Wisconsin, which have eschewed the regional model codes in the past, are working toward adoption of the I-codes.

Five years in the making, the new code series not only brings together and enhances the model codes from BOCA, ICBO, and SBCCI, but also offers coordinated content. While housing architects will likely refer to the IRC on most code issues, for example, provisions for extreme seismic or high wind conditions are referenced in the IBC. “The coordination of the codes is the big difference [from the past],” says Ron Burton, staff vice president of Building Codes & Standards at NAHB. In addition, the IRC specifically includes contemporary code issues either excluded or piecemealed in previous code books, such as updated steel framing and home energy criteria.

As a cooperative effort among the three regional code bodies and other interested parties (convened as the International Code Council), the series will likely be adopted as a set, Burton says, with only a few modifications by state and local jurisdictions. A national code also means more consistent and coordinated training and certification efforts, says Collins, with online access making it easier to disseminate information and perhaps hasten adoption.

In addition to the benefits of using the same code nationwide, architects also may reduce their liability. “Now, something built to code means you’ve met the law,” says Burton, noting provisions for accessibility and flood protection based on those set by other agencies, such as HUD and FEMA, that often conflicted with model codes in the past. “There’s a lot more in the I-codes than in any other previous model codes.” The next step? International performance-based codes, a process already in the works.—Rich Binsacca

high sierra marks

What do Vermont, Rhode Island, Oregon, and Maryland have in common? The Sierra Club chose the four states as tops in their respective categories in its 1999 Sprawl Report. The environmental advocacy group picked Vermont in the community revitalization category, citing the state’s efforts to aid local businesses, limit the spread of massive chain stores, promote affordable housing, and preserve open space. Rhode Island ranked first in transportation planning, due to its strong commitment to improving and expanding its public transportation and walk/bike trails. Oregon’s urban growth boundaries, and the fact that it has the country’s only directly elected regional planning entity, won the state best in land use planning. And Maryland, which earmarks substantial funds to buy open space and is one of the country’s most active state buyers of development rights, took first in open space protection.—m.d.

Illustration: Dan Yaccarino
No matter what wood door design you’re looking for, Morgan has it. Hundreds of elegant solutions in Red Oak and Ponderosa, Radiata and Knotty Pine. In fact, no one’s more ready to build on your ideas. We offer ten times more exterior designs, three times more interior designs than many other manufacturers. Need a custom look? You’ve got it. And Morgan’s century-old reputation for quality assures your reputation will stand the test of time. Call now for our latest catalog: 1-800-877-9482 ext. M2. How do you spell imagination? Morgan.
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

AIBD

Circle no. 63

Virtually Invisible, Burglar-Proof, & Affordable!

Looks like a drainpipe!

The Mini-JOMY® is the ideal access and egress solution for residential applications up to 25 feet. The Mini-JOMY easily opens into a 17" wide ladder with slip resistant rungs. Meets ICBO and BOCA building codes and is guaranteed to provide a lifetime of maintenance free operation. 10 year warranty.

For additional information please contact us at 800-255-2591 or find us at www.jomy.com

Circle no. 356
If you work hard to maintain a high level of respect, there's something we want you to know. We do too. Like making sure that Whirlpool® and KitchenAid® brands continue to have some of the lowest service incidence rates in the industry. Sure, it'd be easier to not sweat such details. But that would hurt the value of our brands. It's a compromise that ultimately taints the reputations of the professionals who specify and install them. And that, we refuse to do.
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 1-888-465-1289, ext. 501
www.crossville-ceramics.com

Circle no. 89
Few people would have the guts to walk away from a successful career as an Executive C
to start their own business selling recipes over the Internet. But then again, few people can make a
Pineapple Upside Down Cake this good.

SmartAge.com is the place for small business eCommerce on the Web, so you'll be attracting new
customers in no time. We've already helped over a million small businesses make money on the Web.
We can help yours, too. No matter what kind of small business you've cooked up. SmartAge.com.
Smart commerce for small business.
water logs

For Tom Simmons, president of Timeless Timbers in New Hope, Minn., sunken treasure doesn't mean gold doubloons and pieces of eight. It means logs lying on the bottom of lakes and rivers across North America—logs that architects and builders will pay hefty sums to get their hands on.

Simmons' company has capitalized on the 19th-century practice of transporting freshly cut trees to lumber mills by lashing them together and floating them downriver. Some of these logs sank and, due to low temperatures and oxygen levels, remained in perfect condition. Timeless Timbers harvests 2 million board feet of these logs per year, selling them for $4 to $15 per board foot to architects, furniture designers, and contractors, who value them for their superior quality and environmental correctness. The wood is all old-growth timber from virgin forests and boasts an average of 40 to 50 growth rings per inch, making it highly durable.

The company also sells hand-hewn beams salvaged from old barns and factories across the country. For more information on Timeless Timbers, call 877.700.5055, go to www.timelesstimbers.com, or e-mail Tom Simmons, tom@timelesstimbers.com.—m.d

separated at birth?

Your client's patio is crying out for a 6-foot-long seat, known as the Mall Bench, sells for $295, is made of 100 percent recycled plastic, and comes in cedar or black. Nelson's platform bench (above left—the 6-foot, all-wood version costs $863 and comes in maple or black), call The Herman Miller Store at 888.874.0045 or go to www.hermanmiller.com.—m.d.
For every form we have a window. A window in which worry and time have no function.

You can use Andersen® windows in virtually any form imaginable. Hexagons, octagons, pentagons, trapezoids, triangles, diamonds, circles, ovals and, of course, squares and rectangles. In fact, we sell 200,000+ shapes and sizes. In combinations beyond belief. 1,000,000 bay-bow choices alone. And each window offers you unique profiles, dramatic shadow lines and slender frames. Each offers your clients the Perma-Shield® System: products so solidly built, backed and serviced, that window worry has no place to reside. Today or tomorrow. To learn more, call 1-800-426-4261, ext.


www.andersenwindows.com
Circle no. 6

© 2000 All rights reserved.
The design process begins with an overall goal – from the first line on paper to the last piece of mortar, there is a purpose, an intention. No less important to that design and character should be the lighting fixtures – light sets the mood and tone in every room.

Artist and designer Bob Timberlake and Sea Gull Lighting have joined together to create an extraordinary lighting collection; an exceptional opportunity for you to specify lighting fixtures that compliment your design intentions, dramatically, subtly, functionally. For more information about the complete line of Bob Timberlake lighting, contact your Sea Gull Lighting Sales Representative today.
Anybody can add to a bathroom. We, however, have found a way to subtract.

By taking away the tank and putting it in the wall, the small-space Tessera™ toilet system frees up an extra 6" to 9" of leg room. While its European design offers the benefits of an elongated bowl.

Want to know more about this advanced plumbing technology? Call us at 1-800-225-7217 for a free brochure. The new Tessera toilet system from Geberit. It makes less, more.
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.302
Your reward for careful planning and stubborn insistence on the ultimate kitchen.

This is no time to settle. Designer finishes and glazes for the natural, colorful or antiqued look you’re after. We’ve got them. Molding appliqués and glass doors for stunning display areas. Look no further - after all, details count. Storage solutions and versatile pieces like our floating island. Must-haves. Consider your idea of how the ultimate kitchen looks and performs, then check out KraftMaid cabinetry.

Because great kitchens start with great cabinetry.
spec wars
when the world is their oyster, how do you help your clients pick their pearls wisely?

by james schwartz

Remember your first trip to a candy store? The agonizing choices, the endless possibilities? Keep that in mind the next time you show clients a list of products available for their new home. The selection process can prove intimidating for the most sophisticated homeowner—and equally challenging for the architect.

show-and-tell
“It’s the fastest way to divorce court,” says Don Evans, AIA, an architect in Orlando, Fla. Clients face so many decisions and bewildering choices these days, “they can dissolve into tears or have knock-down-drag-out fights in the office, all over the choice of a stair rail or faucet. Sometimes you don’t know whether you’re a designer, a referee, or a psychologist.”

So how does an architect help clients choose among thousands of possibilities, and bring projects in on budget and on time?

In a phrase: Show-and-tell. “We don’t want clients to go to off to showrooms where they’re going to get lost and overwhelmed with the sheer number of choices in front of them,” Evans says. “We’d rather meet them in my office as a team, let them touch and feel things, and recommend our favorites. Then we can tell the story of the product and let them compare it to others without anyone leaning on them.”

it takes a village
Evans has created an unusual working environment where his clients do just that. Beneath 16,000 square feet of roof, he built a village of “houses”—one for each person in his practice—with every conceivable home product on display. Each tiny house, measuring 20 by 20 feet, contains four work cubicles in different architectural styles. Clients can tour the homes and compare interior and exterior shutters, marble floors, stainless steel sinks, gas fireplaces—the works.

In this setting, Evans retains control of the selection process, but clients examine his suggestions and ask their questions without feeling pressured by a salesman. How does one pedestal sink compare

continued on page 54

With its playful geometry and deep shadow line, a roof featuring Carriage House Shingle™ is a work of art that works on many levels.

Sculpted to simulate the scalloped edges of natural slate, Carriage House provides four full layers of protection once applied. Then CertainTeed covers the shingles themselves with a lifetime, limited, transferable warranty (which provides reimbursement for full replacement costs should a manufacturing defect occur within 7 years of application)*.

For another angle, call 1-800-233-8990 or visit www.certainteed.com
What it takes to be the best.

Charter Oak™ reinforced premium vinyl siding is one of the best-selling and most highly praised sidings on the market. It's called the siding that changed the industry, the panel that prompted a renewed emphasis on quality. Why? Because only Charter Oak has what it takes to be the best:

Unbeatable rigidity.
Integral TriBeam™ reinforcement stiffens panels like no other vinyl siding. Others have tried to make an equally rigid siding, but independent tests prove Charter Oak still leaves the competition sagging. Whether it's new construction or remodeling, count on installations with the flat, uniform lines of solid siding.

Easy, cost-effective installations.
Only Charter Oak gives you one-piece reinforcement. No added inserts, no added weight. Cut it with ordinary tools, put it up like a standard siding. You'll work easier . . . and you'll keep installation costs down.
The beauty and options of wood.
Get the design flexibility homeowners want. You can offer clapboard or dutch lap profiles... natural oak grain or rich matte surface textures... deep shadow lines... 15 contemporary colors... the appealing look of low-gloss paint.

Strong wind protection.
A new and stronger double-thick nail hem keeps panels tight to the wall, even in the shearing winds of catastrophic Category 5 hurricanes. When you put it up, you can expect it to stay up, because walls will probably collapse before Charter Oak comes off.

The backing of the industry leader.
You can count on the quality and count on the service, because for more than 50 years Alside has been committed to giving you more than you expected. It's the reason you've made us first on America's homes.

Charter Oak. Simply the best.
with another? Clients lean over and see for themselves. How do the locks on two windows differ? Walk up to that window and check it out.

Evans adds that having so many product samples in one place also allows him to make the most of limited time with busy clients.

"I had the president of a large European automaker here for one day and one day only. I was told that I'd have his complete attention, but at the end of the day he was going to disappear. By bringing him into our 'village,' he could make decisions about all sorts of products and materials, items and finishes—touch windows and basically kick the tires. This office is an educational facility, and for us and our clients that's really valuable."

good vet
Even architects without extraordinary offices like Evans' agree that clients will spec products most readily if presented with a carefully vetted list of items.

J. Bunton, an architect with Cesar Pelli & Associates in New Haven, Conn., says he inquires about "the products clients touch, feel, and use every day," and draws on this information to identify choices "consistent with the overall character of a design." He'll then bring samples into the office to show clients.

"I never recommend that anyone buy anything sight unseen," he says. "The clients have to be happy, and anything you ram down their throat will come back to haunt you. So I'll use my experience to narrow a list, then make the clients part of the process and have a look at everything. Open and close a door. Feel that finish. This way they make a decision without ever getting bogged down."

plumb crazy
Of course, some jobs present surprises that undermine the most careful planning. Bruce Norelius, an architect with Elliott & Elliott Architecture in Blue Hill, Maine, remembers the couple who returned from Europe with all of the sinks and faucets for a hillside home already under construction. "They'd asked for a list of all the plumbing fixtures and they just went and got them."

The owners later explained that they believed they could find better quality for less overseas.

"The situation wasn't
ideal," Norelius says. "I didn’t know what to expect when they brought everything back, and I might have had some opinions if I’d seen the items in advance," but contractors completed the installation without too many problems.

Dave Cinamon, AIA, with James Cutler Architects, in Bainbridge Island, Wash., strives to avoid surprises like this at the beginning of a working relationship. "At the start of a job we have each member of the family write out a very specific program—the kids do it as well. They’ll also select images to show us so that we’re familiar with their taste.” By the time clients need to specify products, the architects are acquainted with their desires and have a range of choices to offer them.

“There is the occasional battle early on,” Cinamon notes, “when clients will come to us with something we don’t think will be appropriate or is contrary to our aesthetic. We’ll then try really hard to convince them to listen to us because that's what they hired us for.” He will talk with clients about the benefit of one item vs. another, and steer them in the direction that “reinforces the vocabulary” of the house they have described. If the skirmishes are over reasonably priced products vs. budget-breakers, “they’re even easier for us to resolve,” he says.

And what about real horror stories? The clients who simply cannot choose or the ones who insist on The Wrong Thing? David

continued on page 58
Comfortable.

Good looking.

Easy to live with.

(We're talking about the price)

Introducing the Hearthfire, model CFX-36T gas fireplace. Now you can offer your customer a beautifully designed fireplace with a handsome masonry look.

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
AFG’s climate-specific low-e.
A radical turn of events in residential glass.

AFG has become the first and only glass manufacturer to offer three climate-specific glasses to choose from. Each helps make a home more comfortable and reduces Btu consumption, dramatically lowering heating and cooling costs.

Comfort Ti-FS™ allows passive solar heat in, and retains more interior heat, keeping homes in northern climates comfortable during long, cold winters.

Comfort Ti-R™ has the highest insulating value of any coated glass in the industry. For homes all across North America, it produces warmer winters and cooler summers.

Comfort Ti-AC™ helps block out solar heat, reducing air conditioning costs and keeping homes in southern climates cooler during miserably hot summers.

Climate-specific low-e. Innovative thinking from AFG.

Ask your window and door manufacturer for AFG’s Comfort Ti. Or contact us at 1-800-251-0441. Circle no. 291
Lesniak, an architect based in New York City, says, “Charm is the magic word. It gets many people to make the right decision. If I find someone who’s on the fence, who’s seen a sample, or two or three samples, but still can’t commit, I gently say, ‘I’ve done this before. I know it will look fabulous. You’ll either have to trust me with this or go with a delay.’

You’d be surprised how quickly the word ‘delay’ can focus someone’s attention.”

James Schwartz is a freelance writer in Washington, D.C.

specling dot com

The Web is supposed to be indispensable. Full of images and pictures that make every architect’s job easier and inform every client about the best products on the market. Right?

Not necessarily.

Bruce Norelius, who works out of an office on a remote peninsula in downeast Maine, says that “there are only so many showrooms in this area where you can go to see things, and you’d think the Web would be terrific, but so far it is not a great tool.” Few sites include as much information as he routinely requires, and fewer still are truly easy to use.

“The manufacturers’ brochures remain a better resource,” he says, “designed to include a larger volume of information that conveys all relevant facts. The Web’s just not there yet.”

Michael Holt, AIA, who practices in downtown Washington, D.C., agrees: “The Internet is a valuable tool because it’s easy to see what’s out there—but, frankly, when I’m looking for specifics I find it easier to go to a catalog. That may change as the sites improve and I get more comfortable using the Web as a resource, but for now it has limited use.”

And David Lesniak finds that the information available on the Web can increase costs and confusion. “I’d been working with a window manufacturer for a project on the ocean and the owners came to me with a printed list of two dozen sources for laminated glass that they’d found on the Internet. They said, ‘Here, investigate this.’ I was dumbfounded. Our job became one of pursuing their research as opposed to answering their questions. That means they’re not taking advantage of my expertise.” In the end, Lesniak says, “that’s going to cost all of us time and money.”

—j.s.
e new wave in binet design.

our II is like the rhythmic rolling in and out. The tifie beads in the solid center panel float across kitchen. This solid maple style is offered in natural, medium, antique green, honey and amon. Wellborn offers dard concealed hinges, wood doors and drawers dovetail construction. At born we offer qualitystruction with distinctive ng. Catch the design wave new door styles and es from Wellborn.

WELLBORN CABINET, INC.

1-800-336-8040
www.wellborncabinet.com

Circle no. 359

Introducing the Architect™ Series from KitchenAid.

A complete line of innovative built-in appliances each designed with a full wrap of shining stainless steel. KitchenAid offers professional-quality appliances and a wide variety of design options to leave a beautiful, lasting impression. To learn more about the Architect™ Series, and to view the entire KitchenAid® line, visit our web site at www.KitchenAid.com, or call 1.800.422.1230.

FOR THE WAY IT'S MADE.
20th Annual Builder's Choice Design & Planning Awards

CALL FOR ENTRIES

WELL-DESIGNED HOUSING DESERVES RECOGNITION IN BUILDER'S OCTOBER ISSUE

Enter the Builder’s Choice Design & Planning Awards today. For 20 years, this prestigious program has set the industry standard for excellence in:

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

Deadlines & Fees:
- May 15, 2000
  Entry form and fee deadline
- June 9, 2000
  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, 1998 and May 31, 2000. Entries limited to the United States.
Whether you’re building or renovating, there’s one amenity that is sure to add comfort and value. Concord’s Kwiklift is the perfect luxury elevator for a multi-level home.

Kwiklift is dependable, quiet and smooth-riding, and comes in a variety of configurations and finishes to complement any home’s décor. Optional features such as raised oak panels, or glass observation cab allow you to customize Kwiklift to satisfy personal needs.

Selected as Home Magazine’s "Durable Product of the Year", you can be confident that when you choose a Concord Kwiklift Elevator, you are selecting the best residential elevator available today.

For more information on Kwiklift or any Concord lifts and elevators call 1-800-661-5112 or 905-791-5555. Visit our website: www.concordelevator.com
The Unico System. Flexible Mini-Duct Systems
For High Performance Cooling and Heating.

Now you can install a high performance heating and cooling system no matter what sort of design you choose for your custom home. The Unico System's flexible mini-ducts fit easily into the most complex designs where conventional systems can't— including curved walls and vaulted ceilings — providing even temperatures throughout each room. Outlets are small and subtle to match any décor. With the Unico System, you'll enjoy the superior performance of quiet, draft-free cooling and heating all year long.

For complete information on the high performance Unico System, call 1-800-527-0896 or visit us on the web at www.unicosystem.com.
HeartTech Super Polymer Siding

There's no secret to the success of HeartTech: A combination of traditional Heartland values and superior technology has resulted in a panel that professionals count on. HeartTech is available in 7 different profiles and in woodgrain and smooth impressions. Its versatility – combined with a complete selection of accessories – is the right answer for almost anything a homeowner could ask for ... or a contractor could need.

Cedar Peaks Super Polymer Siding

Some projects simply demand a little extra. For those challenges, may we present Cedar Peaks. Featuring a thicker .046" gauge, Cedar Peaks is offered in Double 4 1/2" and Double 4 1/2" Dutch Lap profiles. It is further distinguished by the revolutionary Cyclonic Locking System. The specially engineered fold-over design doubles material thickness for increased tear resistance in high winds. Stand up to the weather – and look great doing it – with Cedar Peaks.

Gain a competitive edge.
See your Heartland distributor or call Heartland today:
1-800-432-7801
http://www.heart-land.com
Let Us Share Your Success Story

CALL FOR NOMINATIONS

2000 CUSTOM HOME Pacesetter Awards
Honoring the best and brightest of the country's custom home builders.

Sponsored by CUSTOM HOME magazine and the NAHB Single Family Custom Builders Committee

Each year CUSTOM HOME and the NAHB Custom Builders Committee bestow Pacesetter Awards for excellence and achievement in the business of custom home building to a group of outstanding custom builders. The winners will be featured in the October issue of CUSTOM HOME and awards will be presented at a gala luncheon at the NAHB Custom Builder Symposium in Las Vegas, Nevada, at the Mandalay Bay Hotel, October 27-29.

Awards are given in each of five categories:
- Customer Service
- Design
- Innovation
- Management
- Marketing

Eligibility and Entries
Any custom builder who has not previously received a Pacesetter Award is eligible to enter a submission in any or all of the categories. Entries must be presented in an official Pacesetter Award binder. To receive a nomination binder, fill out the form and mail it, along with payment to:

Pacesetter Awards
CUSTOM HOME
One Thomas Circle, NW
Suite 600
Washington, D.C. 20005

Or fax it with your credit card information to:
202.833.9278, Attn: Shelley Hutchins

Nomination Binders will be shipped upon receipt of form and payment.

Nomination Binder Request Form

Yes, I would like to receive a CUSTOM HOME Pacesetter Award Nomination binder in the following category or categories.

- Customer Service
- Design
- Innovation
- Management
- Marketing

Name
Title
Company
Address
City/State/Zip
Telephone/Fax
E-Mail

Entry Fee: $40 per category
Check for $ (payable to CUSTOM HOME) is enclosed.
Or, charge to Visa MasterCard American Express
Card Number
Expiration Date

Entry Form Deadline: May 19, 2000
Nomination Binder Deadline: June 2, 2000
How come a Norbord 4x9 is five feet taller than a 4x8?

Because a Norbord 4x9 OSB wall panel is designed to be used vertically. Unlike a standard 4x8, where the wafer direction is along the 8' length, for horizontal application across the studs, a Norbord 4x9 panel features wafer direction the other way… across the 4' width. Bottom line?

Water orientation is across the panel.

A Norbord 4x9 OSB wall panel is not only 5' taller; it’s also much stronger.

Norbord 4x9 wall panels cover the floor joists and 8' studs with just one 9' piece. The result is a structure that’s tied together and much stronger. Independent tests prove Norbord 4x9 wall panels offer 8% higher loading and 17% better deflection performance than 4x8s. And with the taller 9' size, fewer panels are used to cover the same area. Blocking is not needed, so building walls is now faster.

Norbord 4x8 Struc1 OSB wall panels are also available. For more information, contact your building materials dealer or send us a fax @ 416 777 4415.
The perfect kitchen should be limited by your imagination, not your appliances.

The complete Viking kitchen. It's designed to be attractive, not just to master chefs, but also to great architects, designers, and builders.

Viking products offer renowned performance and style in a variety of sizes, shapes, and configurations.

Choose gas, dual fuel, or electric. Built-in or freestanding. Stainless steel or nine other finishes, with or without brass trim. It adds up to a kitchen that makes a statement.

But exactly what it should say we leave entirely up to you.

VIKING®
Professional Performance for the Home™

Circle no. 205

Viking Range Corporation • (662) 455-1200 • www.vikingrange.com
Of course you take a bankroll of about a half-million dollars (or more) and go shopping with four or five other people? It's absurd to think a group like this could agree on what to buy for $5,000, or $25,000, or $100,000. Somehow, though, you manage to negotiate this obstacle course nearly every day in your professional life.

Specifying products for a custom home is one of the most difficult aspects of your job as a residential architect. Yes, you get some help from your builders, although they care most about the functionality of certain products or, frankly, the profit margin they bring. Your clients certainly have a few opinions about some products—they're probably drooling right now over a Sub-Zero refrigerator and a Viking range. But you're the only one who cares deeply about the whole product picture. You carefully consider the aesthetics, functionality, and impact on the budget of each and every product you spec.

To make that job a little easier, we interviewed some of the top residential architects in the country about the products they love. They share those favorites on the pages that follow.

We'll run an “Architects’ Choice” feature again, so if you have any products you'd like us to know about, e-mail us (cconroy@hanley-wood.com) or write us (S. Claire Conroy, residential architect, One Thomas Circle, Suite 600, Washington, D.C. 20005).
in sink
Vitraform Countersink's sculptural sinks are available in clear, opal white, and eight other colors. All products are laminated (much like automobile glass) for safety and durability. The Vitraform line includes one, two-, and three-bowl sinks—in rectangular, radius, or custom shapes—and can be installed to meet ADA requirements. Vitraform, 303.295.1010.

“they are elegantly simple.”

quite white
Sherwin Williams claims its Pure White Paint resists scuffs and chips, cleans easily, and covers well. The company's Superpaint is guaranteed for 20 years; other paints carry a performance guarantee or full refund. Sherwin Williams, 800.474.3794; www.sherwin-williams.com.

“it’s the right white.”
Ellen Bailey Dickson, AIA

shower flower
Waterworks' classic Etoile showerhead is available in 5- and 12-inch diameters. Finishes for both sizes include nickel, matte nickel, chrome, and unlacquered brass. Waterworks, 800.899.6757; www.waterworks.com.

“it’s like a big sunflower—you feel like you’re showering in a forest.”

amazing glaze
Fulper Tile’s turquoise leopard-skin-glazed tile complements this New York City fireplace by Johnson Wanzenberg. The company’s stoneware is single-fired with traditional glazes (matte, mirror, and crystalline). Developed by William Fulper at the turn of the century and reintroduced by his granddaughters in 1984, the handcrafted art tiles are suitable for walls, fireplace surrounds, hearths, and backsplashes, and most glazes may be used for countertops or flooring. Fulper Tile, 215.862.3358.
"FSB gets architects and designers to design its beautiful, long-lasting products. Hardware is important because it's one of the parts of a building that you actually touch."

lever again
FSB has commissioned designs from Mario Botta, Philippe Starck, and Richard Rogers, among others. The aluminum lever shown here was designed by Jasper Morrison. FSB claims to produce more lever designs in more metal finishes than any other manufacturer. The German company plans to open a U.S. showroom later this year. For more information, call Ironmonger, 800.621.1937; www.fsb.de.

clay time
Many of the custom clay tiles produced by Bucks County, Pa.-based Moravian Pottery & Tile Works are modeled after original designs by company founder Henry Mercer, a leader in the 20th century Arts and Crafts movement. Moravian Pottery & Tile Works, 215.345.6722.

"the tile personalizes a home, adds special character ... any kind of handmade material like that honors the craftsmanship that goes into a home."
Seab Tuck, FAIA, and Kem Hinton, FAIA

leading light
Louis Poulsen combines old-fashioned craftsmanship with modern production facilities to produce such high-quality fixtures as the PH Artichoke design in copper shown here. The company has provided lighting for interiors and exteriors since 1928. Louis Poulsen Lighting, 954.349.2525.

“lighting is the biggest thing we concentrate on. it can make such a difference. you have to use the ones that you know are well made.”
spouting off
Chicago Faucets’ long gooseneck spout makes it easier to fill and wash large pots and pans. The company’s faucets are built to order, by hand. Kitchen products come with a choice of metal or porcelain handles in chrome, uncoated polished brass, gold brass alloy, chrome with brass accents, and white. Chicago Faucet Co., 847.803.5000; www.chicagofaucets.com.

tile with style
Daltile’s Kohler Coordinates lines are designed to complement Kohler plumbing fixtures. Daltile offers an extensive line of products, including glazed wall and floor tiles, porcelain floor tiles, mosaics, and patio tiles. Daltile, 800.933.TILE; www.daltile.com.

“chicago’s wall-mounted double fillers are great-looking in brushed stainless and extremely practical for the kitchen sink.”

“simple and economical tiling for baths.”
pseudo cedar
Hardiplank Smooth is one of the many styles available from James Hardie's line of fiber-cement siding. Architects cite the product for its affordability, durability, and low maintenance. They also recommend Hardiplank for climates where rot and insects pose threats.


“this fiber-cement siding product simulates the look of wood siding and provides a low-maintenance solution for about the same price as cedar siding.”

Ann Clark and Peter Nicholas, AIA
architects' choice

michael graves & associates

grand opening
Valli & Valli, an Italian manufacturer of bathroom accessories and hardware for doors, windows, and cabinets, carries two door handles by Michael Graves. Both are part of the Fusital line, which features designs by internationally recognized architects and designers. Valli & Valli, 800.423.7161; www.vallievalli.com.

a glass act
Chiaro glass tile can be applied to interior and exterior walls for residential and commercial projects. The manufacturer recommends it especially for bathrooms, backsplashes, and fireplaces as an alternative to ceramic tiles. Available in clear or sandblasted finishes. Ann Sacks Tile & Stone, 800.278.8453; www.annsacks.com.

hood news
Miele's new island extraction hood can vent cooktops up to 36 inches wide. The German company, which has been producing appliances for domestic use for more than 100 years, specializes in inconspicuous designs that suit both modern and traditional interiors. Miele, 800.843.7231; www.miele.com.

Portrait: Bill Phelps

Undine Prohl
“our clients for a residence we’re designing in san francisco have just selected my design for a stainless steel valli & valli door lever, to be used throughout the house. although they knew that the lever was one of my designs, they chose it for the comfortable fit in their hands; they understand that these handles are proportioned to invite touch.”

stain gain

“scofield’s products allow you to get some really nice effects out of stained concrete.”

noble salvage
Duluth Timber Co. takes dismantled railroad trestles, warehouse trusses, and other salvaged wood and resaws it for interior and exterior use. The company produces paneling, flooring, fence panels, and posts and beams from species including Douglas fir, heart pine, redwood, and cypress. Duluth Timber Co., 218.727.2145.
most conventional dishwashers force you to put fragile and less fragile things in the same cycle. With the DishDrawer, you can run different cycles in each drawer. Also, you can install both drawers close to counter height so the homeowner doesn’t have to bend down. More kitchens are being designed in zones, and the dishdrawer’s flexibility makes it ideal for that.”

top drawer
New Zealand-based appliance company Fisher & Paykel offers the DishDrawer, a dishwasher that measures 24 inches wide by 16 inches high by 22 inches deep. Integral controls give the unit a clean, seamless look. The DishDrawer also comes in a pair that can be separated or stacked. Fisher & Paykel, 714.829.8865; www.dishdrawer.com or www.fisherpaykel.com.
metal urge
Rheinzink roofing and wall cladding is manufactured in Germany from an alloy of zinc, copper, titanium, and aluminum. The material is available in two qualities (bright rolled and preweathered), is UV-resistant, and does not rot. The company also manufactures roof gutters, pipes, and systems for drainage. Rheinzink Roofing and Wall Cladding, 604.291.8171; www.rheinzink.com.

any hue
Bisazza’s Vetricolor line includes 62 different colors; each tile is uniformly square with cushioned and beveled edges. The glass mosaic tile company was originally founded in Vicenza, Italy, but has U.S. facilities in Miami. Bisazza, 305.597.4099; www.bisazzausa.com.

flattering light
Zelco’s Mano lamp is an elegantly understated wall fixture with minimal dimensions. A Murano glass panel acts as a diffuser for either halogen or fluorescent bulbs. Zelco, 914.699.6230; www.zelco.com.
"Forbo Marmoleum comes in about three-dozen different colors—really, really good colors—and is sheet-produced about 10 feet wide. The material can be cut and installed in a myriad of patterns. It makes for a light-hearted and whimsical floor for bathrooms and kitchens. It's great value for the cost—about $24 to $28 a yard installed."

**High Lights**

Velux Skylights come in a wide variety of styles to complement a range of designs. The company's skylights and roof windows are noted for their energy efficiency, durability, and weather-tight qualities. Velux-America, 800.888.3589; www.velux.com.

**Floor Show**

Forbo Industries' Marmoleum flooring is made from renewable materials and is hard-wearing, hygienic, and low-maintenance. Forbo manufactures over 60 percent of the linoleum produced in the world today. Forbo Industries, 800.842.7839; www.forbo-industries.com.
steel away
Hope's steel windows are handcrafted from solid, hot-rolled steel sections cut to length, mitered at the ends, and permanently welded at the corners. The company supplies an array of handles, operators, and closers, in bronze, brass, and stainless steel. Hope's Windows, 716.665.5124; www.hopesproducts.com.

"hope's windows are especially great for when you need a vast expanse of glass."
With its hidden controls and sleek design, the Asko 1805 dishwasher is designed to complement contemporary kitchens. Asko's environmentally friendly dishwashers use only 4.6 gallons of water to wash a normal load, and less water in the pots/pans cycle than most domestic machines use for the normal cycle. Increased capacity (12 place settings rather than 10) means fewer loads and additional energy savings.


“dishwashers should be neither seen nor heard, and asko’s are beautiful in both respects.”

taking panes
Eagle's double-hung Architect Windows suit the look of a traditional home. The company manufactures a wide range of windows, from wood windows with classic styles and high insulation values to aluminum-clad units designed to resist warps and dents. Eagle uses environmentally friendly laminated veneer lumber, and each wood component is treated to prevent damage or decay.


Anthony Abbate, Architect
Fort Lauderdale, Fla.

Eagle's double-hung Architect Windows suit the look of a traditional home. The company manufactures a wide range of windows, from wood windows with classic styles and high insulation values to aluminum-clad units designed to resist warps and dents. Eagle uses environmentally friendly laminated veneer lumber, and each wood component is treated to prevent damage or decay.

great divide
Sub-Zero's model 700BR integrated two-drawer base-unit refrigerator offers a new level of flexibility in kitchen design. The company manufactures a broad range of well-known refrigerators for home kitchens—from commercial-style stainless steel designs to wine-storage refrigerators to classic framed units. Sub-Zero Freezer Co., 800.222.7820; www.subzero.com.

head of the glass
Marvin’s Inswing French Door comes in a variety of sizes and configurations, with authentic or simulated divided lights. The company has released several new products over the past year, including a line of swinging screens for its French doors, a double-hung window designed for easy cleaning, and new impact-resistant glass for homes in coastal areas. Marvin Windows and Doors, 888.537.8268; www.marvin.com.

“sub-zero refrigerators’ shallow, two-foot depth allows you to incorporate them into the face of cabinetry in a much more elegant manner than conventional refrigerators.”

“marvin windows’ service people are top-notch. the variety of styles available allows you to create almost any type of window.”
architects' choice

looney ricks kiss

memphis, tenn.

J. Carson Looney, FAIA

"the designer doors line allows what has been the single most massive and negative element of a house to actually complement the home’s architecture."

doors prize

Designer Doors’ handcrafted garage doors reproduce original designs while adding the modern convenience of automatic operation. The standard surface material is cedar, but the company will also build in other quality woods. One of the company’s custom designs is shown here. Designer Doors, 715.426.1100; www.designerdoors.com.

waste not

The wood windows and doors in Pella Corporation’s Architect Series feature argon-filled, insulating glass to reduce heating and cooling bills and minimize fading. The company touts the durability and energy efficiency of all its products. Pella Corporation, 800.54.PELLA; www.pella.com.

quiet please

Engineered in Germany and manufactured in the U.S., the Fully-Integrated dishwasher series from Bosch features controls on the top of the door so dishwasher can take a full decorator panel. The company says its stainless steel TallTub can accommodate dinner plates or 10-inch stemware placed upright in the top rack. Bosch dishwashers boast seamless integration and extremely quiet operation. Bosch, 800.866.2022; www.boschappliances.com.

Portrait: Courtesy Looney Ricks Kiss
design panel
Georgia-Pacific Ply-Bead wood panels come in two patterns: Traditional (shown), with a 3.5-inch-o.c. beaded pattern, for interiors or exteriors; and Classic, with a 1.6-inch-o.c. beaded pattern, for interiors. Georgia-Pacific Corp., 800.BUILDGP; www.gp.com.

a wok outdoors
Viking Range’s gas/wok cooktop is one of the company’s biggest sellers. Now the manufacturer has introduced a similar product for outdoor use. Viking Range Corp., 601.455.1200; www.vikingrange.com.

handle it
Schlage Lock’s Accent levers are ADA-compliant and come in a bright brass finish for interior applications and an anti-tarnish finish for exteriors. Schlage manufactures a full line of door hardware, decorative upgrades, and accessories for retailers, builders, remodelers, and consumers. Schlage, 719.264.5300; www.schlagelock.com.

"this moderately priced hardware product is well designed. my clients and i have been pleased with how it has held up over the years. oiled bronze finish stands up to coastal conditions and is well-suited to the low-key houses we typically design."

residential architect / april 2000
cornue copia
Le Château 147 is part of La Cornue's Ligne 5 Etoiles line. The company's professional-style ranges have been made-to-order in France since the beginning of the 20th century. Now sold in the U.S., they are available in 16 porcelain enamel colors and five trim choices. A brass plaque engraved with the owner's name comes with purchase. La Cornue, 800.892.4040; www.purcellmurray.com.

good match
Evergreen Slate Co. manufactures roofing slate from stone quarried in Vermont, and says it will match any existing slate roof. Evergreen is available in 10 colors; each piece is cut by hand. Evergreen Slate Co., 518.642.2530; www.evergreenslate.com.
great dane
Kohler's new Crucible above-counter lavatory was inspired by a Danish design from the 1950s, and is available in a limited number of special finishes. Kohler produces a wide range of plumbing products for residential use. Kohler Co., 800.4KOHLER; www.kohlerco.com.

well cast
Rocky Mountain Hardware's Twig Lever—shown with a 1%-inch by 11-inch European escutcheon and a bronze rust finish—lends any door a charmingly rustic appearance. The company specializes in handmade door, cabinet, and bath hardware sandcast in solid bronze. Patinas are applied by hand and designed to age gracefully. Rocky Mountain Hardware, 888.788.2013; www.rockymountainhardware.com.

“mechanically, these products are excellent. they also have a wonderful heft, which makes them good for arts and crafts and other period designs.”

“we like kohler fixtures because they’re discreet; they can be either contemporary or classic—they fit in anywhere.”
aluminum rap
Metal Window Corp. has been producing quality custom aluminum windows and doors for over 40 years. Architects can work with the company on the design and production of special windows, or they can choose from a wide assortment of existing styles. A range of finishes, coatings, and hardware options is available. Metal Window Corp., 213.776.1383.

classic fittings
Dornbracht’s Tara Classic faucet comes in a variety of finishes, including polished chrome, platinum matte, and platinum. Dornbracht just celebrated its 50th year of creating high-quality bathroom fittings and accessories. Dornbracht, 800.774.1181; www.dornbracht.com.

“sturdy, simple, elegant.”
metal winner
The rigidity and durability of Milgard aluminum windows allow for expansive combinations with large glazing areas. Though traditional aluminum windows are best suited for milder climates, Milgard says its windows have been used in projects as far north as Alaska. Milgard Windows, 800.562.8444; www.milgard.com.

points of light
Lucifer Lighting has just introduced new Pinhole fixed and adjustable downlights for use in nonaccessible ceilings. The company makes a variety of versatile fixtures that can be installed inside or out, and sized to fit almost anywhere. Lucifer Lighting Co., 210.227.7329; www.luciferlighting.com.

"milgard windows have a clean and elegant look that, along with unparalleled structural integrity, makes them an ideal choice for the expression of my modernist aesthetic."
True hydrotherapy moves water in a circular motion, giving your body a relaxing, yet invigorating massage. Conventional tubs point jets directly at you, creating piercing streams of water that can irritate and annoy.

Only Pearl Baths offers True Whirlpool® performance, the irresistibly soothing caress of gently swirling water. And when people feel this good, imagine how great you look! www.pearlbaths.com or 800-328-2531
**Dry is Why.**

**Waterproofing vs. Dampproofing.**

When it comes to reliable performance, dampproofing doesn’t compare.

If you design new homes with basements, you’ve undoubtedly faced a decision on whether to specify waterproofing or dampproofing to protect them against leakage.

But trying to compare their performance is like comparing apples and oranges – they’re distinctly different in just about every sense.

And while waterproofing and dampproofing are both forms of water protection, there really is no valid comparison. Because waterproofing is far superior. Here’s why:

**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 even created to protect basements or even repel water. In fact, it’s a type of primer to prepare road surfaces for other materials.) Dampproofing degrades 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 – which both occur naturally underground. As a result, dampproofing only delays water penetration instead of providing a long-term preventive shield against it.

**The waterproofing advantage.**

Polymer-enhanced waterproofing products – like TUFF-N-DRI® Basement Waterproofing (TUFF-N-DRI) and WATCHDOG WATERPROOFING® from Koch Waterproofing Solutions – dramatically outshine dampproofing. Each of these products features a polymer-modified asphalt membrane that provides a minimum of 40 mils of protection when cured.

This membrane spans and seals foundation settling cracks, and even blocks out water under hydrostatic pressure. Plus, the membrane remains elastic at low temperatures for reliable performance, season after season.

What’s more, WATCHDOG WATERPROOFING offers different product options to meet a variety of waterproofing needs. And TUFF-N-DRI adds a high-quality fiber glass foundation board that protects the waterproofing membrane, channels water to the drainage system, reduces interior condensation, and insulates basement walls.

No wonder TUFF-N-DRI and WATCHDOG WATERPROOFING offer some of the best warranties* in the business. Warranties that any dampproofing product simply can’t provide.

**More fruitful space.**

With your choice of TUFF-N-DRI and WATCHDOG WATERPROOFING, you’re not only offering Guaranteed Dry Basements to homeowners. You’re multiplying the usable space of their homes’ floor plans – and providing the kind of space they’re willing to pay more for.

A Guaranteed Dry Basement enables homeowners to transform basement space into a home theater, guest suite, home office, or a playroom for the kids. 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.**

TUFF-N-DRI and WATCHDOG WATERPROOFING also help seal your reputation for quality and protect your builder partners from profit-robbing callbacks.

A study 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 above graphics).

So why choose waterproofing over dampproofing? For reliably dry basements, there’s just no comparison. For details on the full range of waterproofing solutions available to fit your needs, or for the name of your local waterproofing contractor, call Koch at 800-DRY-BSMT or visit our website www.guaranteeddrybasements.com.


"Knock on steel" just doesn't have
The beauty of a Nord® wood door tells your clients you don’t compromise. No imitations. No shortcuts. You opted for the natural warmth, design flexibility and authentic beauty of wood. Nord offers a stunning selection of entry and interior doors finely crafted from oak, Douglas fir or Western hemlock. One of these designs can ring true for your plans. Request a free, full-color catalog by calling 800-877-9482, ext.ND26.
Some fresh thinking by housing agencies and architects is paying off for residents and neighborhoods.
a new generation of affordable housing cultivates community.

Beyond the Projects

by Bruce D. Snider

Because the problem of affordable housing is as old as civilization, the government agencies that first attempted a comprehensive solution can be forgiven if their early efforts met with less than total success. The results alone should be punishment enough.

The worst post-WWII public-housing projects stigmatized everyone involved—government officials, architects, and tenants. Partly because of those failures, political and popular support for affordable housing has remained for decades equivocal at best.

But architects who reject affordable-housing commissions out of hand are making a mistake. Certainly, providing decent housing for those less fortunate is good for the soul (if not, it would probably pay better), but it also diversifies a firm’s portfolio, buttressing it against the profession’s own hard times. HUD and local housing authorities have learned important lessons about delivering livable housing. Better still, affordable housing presents the kind of design challenges that clear the cobwebs and keep designers sharp.

“I think architects get stale with the convenience of overspecializing,” says architect Julie Eizenberg. For that reason, her Santa Monica, Calif., firm, Koning Eizenberg Architecture, has always included affordable-housing projects in its mix of commercial and municipal work. Eizenberg enjoys the paradoxical freedom of working for nonprofit clients. While the budgets are tight, she says, the work can make design statements—especially in the use of color—that conservative private clients would shy from. The programs are limited, but the designer’s essential charge is the same as for the wealthiest private client: “How do you make it an easy place, a dignified place to live?”

Chicago architect Tom Hickey, of Thomas Hickey & Associates, relishes the discipline of working with tight space budgets. After designing affordable projects, he says, “I tend to be more efficient when I’m designing a house for a client. Things aren’t just thrown away—empty spaces or storage areas that are only there because you don’t know what else to call them.”

Of course, the path to riches does not lead through an affordable-housing development. San Francisco architect David Baker says his nonprofit clients are tough and sophisticated. “They want their dollar’s worth. When we get a market-rate project in, we feel like we’re just rolling in it.” Still—and by design—affordable housing makes up half of his firm’s workload. “One of the good reasons for doing affordable is, when the economy tanks, the affordable people are still going great guns.”

And while the architects who designed the outstanding projects on these pages make no claims of altruism in their motives, the reward of doing the right thing is not to be underestimated. Says Baker: “I’ve never heard anyone who lived in an affordable project be anything but wildly grateful.”
inspired infill

Julie Eizenberg, of Koning Eizenberg Architecture, knows that designing affordable-housing projects is the right thing to do, but that doesn't keep her from enjoying it. “We cut our teeth on affordable housing,” says Eizenberg. “If you’re into design, you get a kick from the discipline that gives you.” As is evident in Koning Eizenberg’s 5th Street Family Housing, such discipline stimulates creative solutions.

In packing 32 units into three levels on an infill site, Eizenberg made a key, counterintuitive move: locating the mandatory wheelchair-accessible flats on the top floor rather than the ground level. Elevators, required by the inclusion of subgrade parking, provide easy access for residents with disabilities, she notes, “and the strategy gave us a lot of flexibility.” Every two-story unit has a ground-level entrance, and the flats’ smaller collective footprint allowed each the space for an outdoor deck. “Half the number of units could have outside yards if you put flats on the ground floor,” Eizenberg says.

The disciplines of site, density, and budget bring other rewards. Compared with their market-rate peers, affordable-housing developers are concerned less with style than with function. “They are more interested in getting the utility out of it,” Eizenberg says. “They give their architects a little more room.” As a result, she says, “There’s more opportunity to play on a low budget.”

Freed from providing outside second-floor access, Eizenberg splayed and angled the third-floor walkways and bridges to create a sculptural flyway. Blocks of bright paint wrap from the “pedestrian street” up the first-floor walls to distinguish the recessed entrance facades.

The stylistic freedom architects enjoy in affordable-housing projects requires self-restraint, however. “The market-rate housing in our market is very conservative,” Eizenberg says. By taking too many design liberties with an affordable development, “You brand it, and that’s not good for the tenants.” Therefore, she confined the compound’s more exuberant elements to interior common areas. In its street elevations, 5th Street Family Housing minds its International Style manners, with only the metal-clad third level and its spontaneous roofline injecting some welcome visual mischief.

Only five blocks from the ocean, in an area undergoing a new wave of gentrification, the project has some expensive neighbors. “A couple blocks north,” Eizenberg says, “you’re in $600,000 homes.” But while development costs here scarcely topped $100,000 per unit, 5th Street Family Housing looks right, right where it is.
project: 5th Street Family Housing, Santa Monica, Calif.
architect: Koning Eizenberg Architecture, Santa Monica
developer: Community Corporation of Santa Monica, Santa Monica
general contractor: Benchmark Contractors, Santa Monica
site: .7 acre
number of units: 32
type of housing: rental apartments
rent structure: subsidized family housing
cost per unit: $115,500
beyond the projects

remote: Robert Brooks Homes, Chicago
architect: Thomas Hickey & Associates, Chicago
developer: Chicago Housing Authority, Chicago
genral contractor: Walsh Construction, Chicago
site: 8 acres
number of units: 132
type of housing: rental apartments
rent structure: subsidized
cost per unit: $106,000
When Chicago architect Tom Hickey first laid eyes on the Robert Brooks Homes, “community” was not the first word that came to mind. Built in 1942, the project consisted of rank upon rank of identical flat-roofed brick buildings designed in what Hickey terms “bunker style.” With little to delight the hearts of residents even in its youth, the project had now descended into decrepit old age. Weeds ruled much of the site. The forbidding, windowless shells of abandoned buildings invited all manner of trouble. “Probably over 50 percent was uninhabitable,” Hickey says. But that still left some 150 families who called this place home. When Hickey accepted the commission to remodel the project, they became his clients, and he found they had a lot to say about what would become of their neighborhood. “The residents are very vocal about it,” he says. “They don’t want to be scattered helter-skelter and never see their friends and neighbors again.”

The residents elected representatives to attend design meetings, but all felt invested in the rehab process. Relocated temporarily to a high-rise building across the street, Hickey says, “they watched and participated in the design.” Because they would be moving back to the renovated units, their family makeup would determine the mix of unit sizes. And because they constituted the ultimate authority on what was wrong with the existing project, their concerns shaped the redesign in significant ways.

“What they were most concerned about was the security of the site and how it was laid out,” Hickey says. His plan eliminated nearly half of the existing buildings, opening space for on-site parking and play areas. Every unit now opens onto a green common that places children’s play at the center of attention. Parking, also in full view of the apartments, is gated and accessible only to residents.

Hickey reduced the project’s density further by combining units into larger two- and three-bedroom apartments with two baths. With the tenants’ approval, he gave each apartment a combined kitchen and living area. “It makes the units seem bigger, because there are fewer walls on the first floor.” Fenced yards out back give each unit its own semi-private outdoor space.

The buildings’ exteriors also took some dressing up to match their tenants’ aspirations. “They wanted to see a residential, neighborhood-type building,” says Hickey, who topped each building with four large gables and repeated the shape at the simple porch roofs. The gables combine with other cost-efficient visual elements—the deep shadow line of the 2-foot roof overhang, a water-table change in paint color—to dispel any remnant of the slab-sided “bunker” style. Now, the Brooks Homes look like what they are: homes.

Strategic demolition reduced the density of this 1940s housing development by nearly 50 percent, opening space for on-site parking and safe, child-friendly courtyards.
beyond the projects

in farms’ way

Amid the hype about northern California’s sleek high-tech economy, there remains one easily forgotten fact: This is still a farm state, with farm workers who need places to live. And the region’s soaring real estate market is squeezing these people hard.

“It’s a real boomtown out here,” says architect David Baker, “and it makes it really hard for just regular people.” Before the doors opened on this affordable-housing development, which Baker designed specifically for agricultural workers, “the typical resident was renting a two-bedroom apartment with two other families—12 people in a two-bedroom apartment.”

When Moon Ridge Village is completed this spring, it will house 160 families. Sizable even by urban standards, the project will have a heightened impact in these open agricultural lands. “It was a big responsibility,” Baker says. “It’s as big as some of the towns down there.” Starting from scratch, with no existing built context in sight, Baker looked to the nearby towns for inspiration. “We wanted to give it a sense of place,” he says, so he created what he terms a “retro-plan village.” The town center—which concentrates public amenities like laundry, post office, classrooms, and day-care center—is a five-minute walk from the farthest residence. The houses have front porches and line straight streets with sidewalks. The streets have names.

To achieve architectural variety on his minimal budget, Baker arranged groups of four dwellings in what he calls a “directional pinwheel unit” that faces each entrance in a different direction. “When you mirror it or spin it, or mirror it and spin it, it looks like about eight unit types.” The building forms and details—traditional, austere, and with a flavor of the farm—suit the agricultural context. “The way that looks is the way the towns down there look,” Baker says.

Most of the residents, however, have roots in rural Latin America, and the plan acknowledges that fact by including community gardens and orchards. Some involved in the planning argued that farm workers would not till the earth in their spare time, Baker says, but that view has not proven out. “The community gardens are working.” And while the farm-worker population is notoriously shallow-rooted in this country, Baker says having a plot of one’s own—not to mention a house for one’s family alone—might change that. “I think they’re more likely to stay because of this.”

Photos: Cesar Rubio
A traditional site plan and varied northern-California rural architecture create a town-like atmosphere in this affordable development for agricultural workers.

**project:** Moon Ridge Village, Half Moon Bay, Calif.

**architect:** David Baker FAIA & Associates Architects, San Francisco

**developer:** Mid-Peninsula Housing Coalition, Redwood City, Calif.

**general contractor:** Segue Construction, Richmond, Calif.

**site:** 42 acres

**number of units:** 160

**type of housing:** rental townhouses

**rent structure:** subsidized

**cost per unit:** $148,750
project: First Ward Place, Charlotte, N.C.
architect: FMK Architects, Charlotte
planner: Urban Design Associates, Pittsburgh
developer: First Ward Place LLC, Charlotte
general contractor: Yager Construction, Pineville, N.C.; Carocon Corp., Charlotte; Sagehorn & Co., Charlotte
site: 11.2 acres
number of units: 283
type of housing: rental apartments and townhouses
rent structure: 60 percent subsidized; 40 percent market rate
cost per unit: $62,500
downtown uplift

For Charlotte, N.C., natives who’ve been away from home for a while, a visit to First Ward Place might prove disorienting. Until 1997, this homey urban neighborhood was the Earle Village Apartments, a textbook example of low-rise urban blight. More than half of its 409 decaying units were boarded up. The tenants who remained lived under siege. “You wouldn’t stop at a stop sign for fear of getting shot at or car-jacked,” remembers Alan Aschenbrenner, of Charlotte’s FMK Architects. Today, some of those same tenants rock on the front porches of one of the city’s safest and most desirable in-town neighborhoods.

Designed with the input of residents and other community groups, First Ward Place erased most of the old Earle Village but saved four existing apartment buildings for renovation. FMK principal Alan McGuire calls that decision “one of the most satisfying things about the project.” The renovated structures are finished to the same standards as the new buildings that surround them—and, like the new buildings, house both subsidized and market-rate tenants in identical units. But because they offer an identifiable link to the neighborhood’s past, they stand as a symbol of renewal rather than replacement. And because the renovation was the first step in generating a livable community, much depended on the success of its design.

“The porches were obviously an effort to bring people out to the street,” an essential element of a safe environment, Aschenbrenner says. “And they have done so.” FMK used porches and box bays to break up the long, flat facades, varying the mix enough to give individual units a sense of identity. Double-hung windows, traditional trim details, and a dignified color scheme meet the curb-appeal expectations of the market-rate tenants who compose 40 percent of the residents.

While early nonsubsidized tenants fit the pioneer mold, “within a year, they had people banging down the doors to get into those units,” Aschenbrenner says. That success spread to the new townhouses that fill out the former Earle Village and has so recast the social environment in First Ward that nearby property fallow for a generation is now sprouting new residential construction. An adjacent 8-acre site is slated for market-rate single-family development, Aschenbrenner reports, “and one of those house lots has my name on it.”

Built on the site of an archetypal housing slum, First Ward Place has found favor with both subsidized and market-rate residents. Its success has transformed a blighted inner-city district into a popular location for downtown workers and their families.

residential architect / april 2000
Standing a stone’s throw from where federal housing policy was first enacted, Washington, D.C.’s Ellen Wilson Public Housing Project was typical of the featureless non-places that were our nation’s first concerted effort to house the poor. Built in 1940, the development broke with the street pattern and architecture of its historic Capitol Hill neighborhood, creating the kind of stigmatized enclave that invited the title “The Projects.” By the time it was abandoned in 1987, it had long lived up to the name.

A group of neighbors, fearing that the boarded-up project would spread social decay, asked local architect Amy Weinstein to assist them with preliminary plans to redevelop the property. Without expecting much success, she agreed. “I did it because I felt I owed a lot to the Capitol Hill community,” Weinstein says. When the group succeeded in securing a $25-million HUD HOPE VI grant to demolish and rebuild, Weinstein signed on for the duration of the project, though her office had no experience with affordable housing.

That, in hindsight, may have been an advantage. “We’d done a lot of housing, but it was all upper end,” Weinstein says. “What we did have experience in was designing new construction for an older context.” The Townhomes on Capitol Hill, as the new mixed-income project is called, reflects Capitol Hill’s distinctive context to a degree that would be remarkable for any type of project, to say nothing of a low-budget, subsidized development.

Two new through-streets connect the development with the surrounding community and allow street-front entrances. Because the streets complete the area’s original grid, the project is knitted into the urban fabric with no marker of where it begins or ends.

The architecture blurs any such distinctions even further. “Capitol Hill was mostly built out during Victorian times,” Weinstein says. “The streetscape is very varied, and we just incorporated that, designing groups of houses and varying them.” Weinstein stacked the five unit plans in a variety of combinations and used a broad palette of brick types, mortar colors, and ornamental iron stair rails to yield 27 different facades.

“From the get-go, the idea was that it would not be stigmatized, that it would blend in,” Weinstein says. And in this culturally and ethnically diverse neighborhood, the mix of subsidized and market-rate renters blends as well as the Neo-Victorian architecture. “It’s not that unlike Capitol Hill,” she says.

Bruce D. Snider writes for residential architect’s sister publication CUSTOM HOME.

A conventional urban street plan and Neo-Victorian facades knit this redeveloped housing project into its historic Capitol Hill neighborhood.
project: The Townhomes on Capitol Hill, Washington, D.C.
architect: Weinstein Associates Architects, Washington
developer: Ellen Wilson Community Redevelopment Corp., Washington
general contractor: Corcoran Jennison Construction, Washington
site: 5.3 acres
number of units: 154
type of housing: rental townhouses
rent structure: mixed-income limited-equity co-op
cost per unit: $104,000
Quality windows, doors and skylights make everyone more COMFORTABLE.

We know the cost of building materials adds up fast. It's tempting to scrimp. But, when you do the math, window and door callbacks are among the most costly to your profitability and your reputation. The WDMA logo is one sign of performance and energy efficiency — a definite plus to your bottom line.

WINDOWS AND DOORS MATTER.
Ask your suppliers if they're members of the WDMA. For more information about WDMA windows, doors and skylights call 800-223-2301 or visit our Web site at www.wdma.com.

Circle no. 298
Quality Clay Roofing Tiles, Handcrafted Chimney Pots, and Accessories; Imported From Europe.

**The Northern Roof Tile Sales Co. Inc.**
(905) 627-4035 Fax (905) 627-9648
E-mail: nrtts@wchat.on.ca www.northernrooftiles.com

Circle no. 310

---

**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.

---

**ADVANCED TECHNOLOGY FOR FOUNDATION WATERPROOFING**

**THE ORIGINAL PATENDED GRAY COATING**

The Poly-Wall Crack Guard 2500 System is the only system that can completely waterproof your foundation - Top to Bottom.

- The Crack Guard 2500 System provides unparalleled waterproof protection with a combination of three layers of different waterproof materials.

1. Poly-Wall Foundation Coating provides waterproof protection both on the outside and inside of the foundation wall.

2. A layer of polymer modified rubberized asphalt provides terrific adhesion and elastomeric properties to bridge cracks.

3. Cross-laminated, high density polyethylene outside layer provides the outside seal and protects the rubber layer from drying over time.

Together, Poly-Wall Foundation Coating and the Crack Guard 2500 System provide the most reliable and long lasting foundation waterproofing system available.

Call for more information: 1-800-846-3020
or visit our website: www.poly-wall.com

Circle no. 316

---

**INCLINATOR COMPANY OF AMERICA**

Refer to Sweet's 2000 General Building & Renovation File 14235/IND

For free literature, call 1-800-343-9007 or write to:
Dept. 77, PO Box 1557, Harrisburg, PA 17105-1557
E-mail: isales@inclinator.com www.inclinator.com

Custom design features include free-standing units

Circle no. 276
Durable. Character.

Homes on the New England coast call for siding that can stand up to harsh conditions — and look good doing it. That's why Cemplank fiber-cement siding is the natural choice of builders from Bridgeport to Bar Harbor.

Easy installation; no-hassle, nationwide availability; and consistent quality, now documented by ISO Certification. What else would you expect from The Leader in Quality Fiber-Cement Products.

Cemplank. Great catch.

Tel: (877) CEMPLANK
Fax: (610) 916-4916 • www.cemplank.com
The Brands Architects Specify the Most

residential architect is proud to present the 2000 Brand Specification and Perception Study. This study is the first time the residential architectural market has been significantly surveyed about building product brands.

The survey took a random sample of 1800 qualified architects from residential architect's circulation of 17,468 at the time of sampling. The survey questions offered respondents top brands in each product category and asked them to indicate if they have heard of the brand, if they have specified the brand in the past two years, and which brand they specify the most. To ensure the value of the brand-specific data, the findings in each product category are based on residential architect architects who personally specify, recommend, or influence the purchase of products in that category.

The 2000 Brand Specification and Perception Study measured 53 different product categories, and the following advertising section is a list of some of the winners in the brand most specified category.
New Dimming Devices Available

Leviton introduces Scene-Capable Monet and Mural Lighting controls that mark a new era in sophisticated lighting. After following a one-time “set-and-forget” procedure, a touch of any one of the “scene” buttons on a Monet or Mural Scene Controller and all the attached Monet or Mural Scene-Capable Dimmers will simultaneously adjust their attached loads to user-selected lighting levels.

Monet and Mural Scene-Capable Dimmers can accommodate a variety of light sources—incandescent, fluorescent and magnetic low voltage—and turn fluorescents, chandeliers, wall sconces and recessed lighting into a symphony of picture perfect lighting scenes at the touch of a button.

Leviton’s digitally-engineered Touchpoint features touch-pad technology. Wherever the user’s finger is placed along the touch pad, the device will correspondingly cause the light levels to dim or brighten to that level. Touchpoint provides full range FADE-ON/FADE-OFF dimming.
Certainteed Roofing Has It Covered

Certainteed Corporation has served the residential roofing industry for more than 95 years, establishing a solid reputation for providing consistently reliable roofing products to architects, builders, contractors and homeowners. Today, Certainteed’s name is synonymous with quality, practicality and style.

A leader in product development, Certainteed offers the most comprehensive line of residential and commercial roofing products for any price range or architectural style.

At the top of the residential line is Grand Manor Shingle®, unlike any roofing shingle on the market today. With its two full-size base shingles complemented by randomly applied tabs, Grand Manor offers virtually five layers of coverage and a dramatic eight-inch exposure when applied.

Also utilizing this patented Super Shangle® construction is Carriage House Shangle™. With its two full-size base shingle construction, Carriage House features a unique chamfered cut for a scalloped appearance. It can be used independently of, or in combination with Grand Manor, to replicate the look of old-style slate roofs, but at a fraction of the cost. Both feature lifetime, limited warranties on residential applications and 40-year limited warranties of commercial or institutional applications.

Hatteras®, Certainteed’s newest roofing shingle, has broken ground in the high-performance sector of the roofing market with warranty coverage against winds up to 110 miles per hour, while offering a dramatic eight-inch exposure and seven striking colors to choose from.

The Roofing Collection also features such well-respected names as Hallmark Shingle®, Independence Shingle®, Classic Horizon Shingle®, New Horizon Shingle®, the Landmark™ and Woodscape® Series, Architect™80, Estate®, and Firehail™ 2000. Certainteed offers an unmatched array of styles and colors that protect as well as make dramatic architectural and design statements.

In addition to residential and commercial roofing, Certainteed Corporation is a leading manufacturer of other building materials, including fiberglass insulation; siding; vinyl windows, fencing and decking; ventilation products and piping products.
Heatilator—The Hottest Fireplace on the Market

Known as the first name in fireplaces, Heatilator brings one of the broadest product lines of gas and woodburning fireplaces and inserts to the hearth industry. The first air circulating fireplace was patented by Heatilator in 1927, and since that time, Heatilator has remained a strong leader among fireplace manufacturers.

Manufacturing top quality products has contributed to Heatilator’s long term success. Such stunning, recently released fireplaces as Maxus, a direct vent heater listed gas unit, and the Out42, a woodburning outdoor unit, have experienced great success in today’s market. With the recent introduction of several new stainless steel fireplace accessories and new gas and wood premium fireplaces on the horizon, Heatilator is paving a sure road to continued success in the future.

Heatilator’s mission is to be a full-line supplier of fireplaces and related products to the home building and remodeling markets. Since 1927, Heatilator has remained committed to excellence in manufacturing the highest quality products. This commitment to excellence and the dedication of company Members has allowed Heatilator to grow into the industry leader that it is today.

For more information call 1-800-843-2848 or visit our website at www.heatilator.com.

DuPont Corian® A Residential Architect’s Team And Now a Brand Leader

Residential architects rely on Corian®, the leading solid surface in the industry because its versatility is unparalleled. This unique material comes in 81 spectacular colors. It can be inlaid with more Corian®, wood, tile, glass, metal, and stone. It can be routed, carved and sandblasted. It can be bent and shaped into sweeping angles and curves.

Just as important for residential architects, Corian® brings pure satisfaction to homeowners, too. Easy-to-clean, Corian® resists stains because liquids can’t penetrate. Bacteria and mold have no place to grow because Corian® is non-porous. And since Corian® surfaces are solid all the way through, nicks and cuts can be sanded away.

DuPont Corian® recognizes residential architect magazine for their contributions to the industry, and we thank them for recognizing DuPont Corian® as the leader in solid surfacing. For more information on DuPont Corian®, visit www.corian.com or call 800-4-CORIAN (800-426-7426).
The right side of your brain doesn’t need to be at odds with the left.

Are you obsessed with color and style? Or do your priorities run to durability and easy-maintenance? Either way, CertainTeed siding delivers. It’s practical and imaginative, so you can be, too.

**Beautiful and stylish.**

There’s Monogram RigidForm™ 180 with an industry leading 30 color options, beautifully replicating the look of painted or stained wood in a variety of classic styles.

Cedar Impressions® offers four distinctive designs that mirror the look of traditional cedar shingle siding. Choose from Perfection Shingles, Narrow Sawn Shingles, Hand-Split Shakes, and Half-Round Shingles, all molded from the real thing.

**Tough and practical.**

CertainTeed siding is durable and easy to maintain. Our RigidForm™ technology features a double-thick nailing hem designed to create a reinforcing spine. The exclusive self-aligning CertiLock™ locking system helps keep each panel straight and secure. As a result, Monogram can withstand winds up to 180 mph, and our new patent-pending STUDfinder™ system helps to make sure it’s always properly installed.

STUDfinder combines precisely engineered nail slot locations with graphics to allow for alignment with studs. This provides a quick and easy guide to help ensure fastening to the studs. Contractors will love the fact that STUDfinder speeds installation at the same time it improves it. Homeowners will value the fact that properly installed siding performs as they expect it to.

**More than you imagined.**

We know options are important to you, and we now offer a whole new family of them in the form of paintable WeatherBoards™ FiberCement siding. Our exclusive DuraPress™ technology combines natural materials and advanced processing methods to create a FiberCement siding of exceptional durability, performance, and appearance.

Style, performance, and dozens of innovative siding options. Just the sort of thing you’d expect from CertainTeed, an industry leader for nearly 100 years.
Fypon® Is Top Choice Of Architects

Fypon® Molded Millwork® provides the ideal alternative to decorative wood elements such as entrance systems, balustrade systems, window and door trim and molding. Constructed of high-density polymer, Fypon offers the charm and elegance of wood, but is virtually maintenance-free, will not rot and is insect resistant, providing years of beauty and performance. Designs are classic, elegant and architecturally correct.

With over 4500 items available including over 220 molding profiles, Fypon allows outstanding design flexibility in creating an architectural effect that is authentic and distinguished.

Specified by architects and installed by builders and remodelers, Fypon will continue to lead the category by introducing new products and uses, while continuing to deliver a popular and reliable product.

The largest selection of Molded Millwork® in the industry is displayed in Fypon’s 4th Edition catalog. A color-coded index and style guide symbols make a quick reference simple.

Please visit www.fypon.com for more information.

Therma-Floor® Delivers the Heat with the Ultimate in Efficiency, Control and Comfort

Therma-Floor®, the critical component of any radiant floor heating system, is the material that transfers heat from the system’s hydronic tubing or electric cables to the living space. Therma-Floor turns floors into ultimate radiators, delivering luxurious heating comfort and efficiency to any home or commercial building. It can be used for individual rooms, or throughout an entire home.

Poured just 1-1/4” to 1-1/2” thick over any brand of hydronic tube or electric heating cable, specially formulated Therma-Floor actually enhances heating system responsiveness while gradually conducting heat to the living area and occupants. UL-tested and listed for fire resistance, it also creates a safer home and reduces sound transfer through the floor/ceiling system.

Therma-Floor weighs about the same as a typical tile bed. Its smooth, tough surface allows easy installation of any floor covering. From Maxxon—the underlayments specified the most. For a free guide, “How to Deliver the Heat”, call 1-800-356-7887, e-mail info@maxxon.com, or fax 1-763-478-2431.

*Gycrete/Maxxon Corp. tied with U.S. Gypsum for the brand most specified in the Underlayment category.
TUFF-N-DRI® Emerges As Top Choice of Architects

When it comes to recognizing and choosing a waterproofing solution, the 1,800 architects surveyed in the 2000 *residential architect* Brand Specification and Perception Study selected TUFF-N-DRI Basement Waterproofing System (TUFF-N-DRI) as their top choice for lower level living. No competitor in the Foundation Waterproofing category approached TUFF-N-DRI’s impressive results in terms of brand familiarity and specification.

TUFF-N-DRI is North America’s leading waterproofing brand with hundreds of thousands of successful installations since 1983. TUFF-N-DRI is manufactured by Koch Waterproofing Solutions, the industry’s leading supplier of residential waterproofing solutions.

For more information, contact Koch Waterproofing Solutions at 1-800-DRY-BSMT, or visit www.TUFF-N-DRI.com.

TUFF-N-DRI® features a time-proven two-part system that helps create and maintain a comfort zone in the basement. It starts with a flexible, polymer-enhanced waterproofing membrane (A) that’s spray-applied to seamlessly bridge foundation settling cracks and seal out water penetration. Then a high-quality foundation board (B) is added to protect the membrane and insulate basement walls from energy loss. The foundation board also reduces interior condensation and channels water to your home’s drainage system – keeping moisture out and dryness in.

Basements are increasingly in demand from homeowners who want additional living space for a home office, home theater, guest suite, playroom and many other uses. And at nearly half the cost of above-ground space, the possibilities for lower level living are limited only by the imagination when the space is protected with TUFF-N-DRI’s unique system which keeps moisture out and insulates for conditioned comfort.

*A* See actual warranty for details. TUFF-N-DRI® and WATCHDOG WATERPROOFING® are registered trademarks of Koch Materials Company.

A national network of Select Waterproofing Contractors, who are among the nation’s best sub-contractors, installs all Koch Waterproofing Solutions products, including TUFF-N-DRI and WATCHDOG WATERPROOFING®. And TUFF-N-DRI’s superior performance is matched by a 15-year transferable warranty* with up to $10,000 in coverage.

CIRCLE NO. 368
Custom Home Buyers Are Hot For It

As A.O. Smith sees it, a custom home deserves a water heating system as sophisticated as its design. The premium Cyclone XHE® water heater excels in both hot water and space heating, tying together high efficiency, dependable hot water delivery, and outstanding durability. The Cyclone XHE gives you the opportunity to offer homeowners a durable commercial-grade heater with an award-winning design and value-added features:

- 94% efficiency for ongoing cost savings
- Large 60 and 100 gallon models provide plenty of hot water during heavy load times
- One unit can replace several standard water heaters
- Use for space heating as well as water heating
- Small footprint and zero clearance to combustibles
- Venting flexibility; direct vent capabilities
- Commercial-grade durability for long, reliable life.

The Cyclone XHE meets ongoing water demands for multiple showers, hot tubs and dishwashers with ease. The fact that it’s available in four natural gas or propane models doesn’t hurt either. For more information, contact Chuck Woods, National Account Manager, A.O. Smith Water Products Company, at 972-719-5931.

In-Sink-Erator Disposers Rated #1

Once considered a luxury item, food waste disposers are now one of homeowners’ most-wanted appliances and are found in more than 80 percent of new home construction in the U.S. Disposers have long been recognized as a sanitary, safe and environmentally sound way of eliminating biodegradable food waste. As the world’s largest manufacturer of food waste disposers, In-Sink-Erator is the preferred brand among homeowners, plumbers and architects.

As the industry leader, In-Sink-Erator continues to break new ground as it did two years ago when the company introduced Septic Disposer™, the best disposer for homes with septic systems. With its patented Bio-Charge™ enzyme cartridge, Septic Disposer helps to break down food waste, keep drain lines clean and eliminates the need for homeowners to use additional additives.
D Pont Tyvek® Weatherization System

A Basic Building Practice for Outstanding Weather Protection

There’s no doubt about it. Tyvek® is simply basic to better building. Wrapping a home in a “protective envelope” is a good building practice that helps combat a home’s worst enemies: water, moisture, and air infiltration. Millions of homes wrapped in Tyvek® over the last two decades are saving energy costs for homeowners.

Millions of homes have excellent secondary protection against water and moisture damage. DuPont, the inventor of Tyvek®, continues to re-invent new products, new techniques. Now, the Tyvek® Weatherization Systems include Tyvek® HomeWrap®, Tyvek® StuccoWrap®, Tyvek® CommercialWrap™ and DuPont Contractor Tape—providing the industry’s best combination of air, water and moisture management properties. That’s why Tyvek® is your ideal secondary defense against the damaging effects of weather. And that’s why you should know how Tyvek® works and what makes it superior to other housewraps and building papers on the market today. You and your customers will benefit from the difference.

Exclusive nationwide, on-the-job service: The DuPont Tyvek® Specialist Network

No other building wrap has a service network like Tyvek®. More than 100 trained specialists are in the field, working hands-on with you, your builders, and your customers.

- We’re an architect resource  
- We’ll bring you the latest building test results  
- We keep current on relevant code issues and changes  
- Get the latest installation tips and best practices  
- We’ll help create educational model home displays  
- Let us help train field installers  
- And more… call 1-800-44-TYVEK for information or to find a local Tyvek® specialist near you. Visit our web site at www.tyvekconstruction.com.

Tyvek® Weatherization Systems
Build It Once, Build it Right™

CIRCLE NO. 371
Cor-A-Vent Pushes Ahead With Innovative Rooftop Ventilation

Incorporated in 1979, Cor-A-Vent, Inc. invented and patented the first shingle over ridge vent. In the last 20 years, our product line has increased dramatically, but our focus has remained on ventilation. In 1980, our sales base was concentrated in Indiana and Michigan. Since then, we have increased production capacity on four different occasions, and now sell in all 50 states, as well as internationally. Today, we market a full line of ridge and eave vents for traditional single roofs, as well as specialty vents and applications for such diverse roofing materials as metal, tile, cedar shakes and slate.

Think Cool Thoughts

The Trane XL 1800 central air conditioning system can make a home totally comfortable, all summer long. With a SEER (Seasonal Energy Efficiency Ratio, a standard measurement of air conditioning efficiency established by the US Department of Energy) rating of up to 18.00, the XL 1800 offers the unbeatable combination of energy efficiency and lower operating costs.

In addition to its high efficiency, there's something else unique about the XL 1800 air conditioner. It has side-by-side, dual Climatuff® compressors that allow for two-stage cooling. That means that most of the time your unit will operate comfortably and efficiently at low speed. But on extremely hot days when more cooling is required, the XL 1800 will switch to the second stage to provide maximum comfort.

For more information visit our web site at www.trane.com/residential, or call toll-free 1-877-99-TRANE.
Innovation and outstanding performance differentiate United States Gypsum Company's interior and exterior products from all others.

USG's popular brands include SHEETROCK® Brand Gypsum Panels, DUROCK® Brand Cement Board and FIBEROCK™ Brand Panels. They offer specifiers the widest selection of high-performance wall, floor and ceiling building panels available anywhere.

SHEETROCK Brand Gypsum Panels feature an unmatched combination of performance benefits. The drywall scores and snaps more quickly and cleanly than ever before, speeding the installation process while providing a more attractive finished look.

USG offers a family of SHEETROCK Brand finishing products that work together to increase contractor productivity, reduce callbacks and provide an excellent finished appearance. They include EASY SAND™ Fast-Setting Compounds, PLUS 3™ Lightweight Ready-Mixed Compound, First Coat primer, Paper Faced Metal Drywall Bead and Trim, and a complete line of texture products.

In areas where water is a concern, DUROCK Brand Cement Board is the ideal high-performance tile substrate. FIBEROCK Brand Abuse-Resistant Panels are the choice for abuse-resistant walls, while FIBEROCK Brand Underlayment provides a smooth, non-staining, indentation-resistant base for vinyl flooring. And new FIBEROCK Brand Sheathing has superior strength and water resistance, making it ideal for exterior applications.

For the ultimate in interior wall finishing, USG's DIAMOND® Brand and IMPERIAL® Brand plasters are the right choice. And the award-winning USG Decorative Interior Finish System offers a unique means of achieving the upscale look of semi-smooth or a variety of textured, integrally colored finishes on walls and ceilings.

USG also offers a full line of high-quality exterior products and systems for water-managed exterior stucco look wall applications.

No matter what the application, USG has the products, systems and commitment to make both you and your project look good.

*U.S. Gypsum tied with Gypcrete/Maxxon Corp. for the brand most specified in the Underlayment category.
# The Brands Architects Specify the Most

## APPLIANCES
- Central Vacuums: NuTone
- Disposers: In-Sink-Erator
- Hot Water Dispensers (kitchen): Elkay
- Range Hoods: Broan
- Ranges/Cooktops: GE Appliances
- Refrigerators: Sub-Zero
- Water Heaters: A.O. Smith

## CABINETS
- Cabinetry (Semi-Custom and Custom): KraftMaid
- Cabinets (Stock): Merillat

## DOORS
- Entry Doors: Pella
- Garage Doors: Overhead Door
- Interior Passage Doors: Simpson
- Patio Doors: Andersen

## EXTERIORS
- Exterior Siding: CertainTeed
- Exterior Wall Sheathing: U.S. Gypsum
- Housewrap: DuPont Tyvek®
- Insulation: Owens-Corning
- EIFS/Stucco Siding: Dryvit

## FIXTURES
- Bath Fixtures: Kohler
- Faucets: Kohler
- Kitchen Sinks: Kohler
- Shower Doors: Kohler
- Whirlpool Baths: Jacuzzi

## FLOORING
- Laminate Flooring: Pergo
- Vinyl Flooring: Armstrong
- Wood Flooring: Bruce

## HEATING/AC
- Fireplaces/Wood Stoves: Heatilator
- HVAC: Trane

## LIGHTING
- Lighting: Lightolier
- Lighting Controls, Switches: Leviton

## PAINTS/STAINS/SEALANTS
- Caulks and Sealants: Dow Corning
- Paints: Benjamin Moore
- Stains and Varnishes: Cabot Stains/Samuel Cabot

## ROOFING
- Asphalt/Fiberglass Roof Shingles: CertainTeed
- Clay/Concrete/Synthetic Roof Tiles: Monier/Lifetile
- Metal Roofing: Alcoa
- Ridge Vent Systems: Cor-A-Vent

## SURFACING
- Ceramic Tile: American Olean
- Surfacing—Laminate: Formica
- Surfacing—Solid Surface: DuPont Corian®

## WINDOWS
- Metal Windows: Alenco
- Skylights/Roof Windows: Velux
- Vinyl Windows: Milgard
- Wood and Clad-Wood Windows: Andersen

## OTHER
- Closet Systems: Clairson/Closet Maid
- Decorative Mouldings/Trim/Columns: Fypon
- Foundation Waterproofing: TUFF-N-DRI®
- Glass Block: Pittsburgh-Corning
- Locksets, Hardware: Schlage
- Oriented Strand Board: Georgia-Pacific
- Sunspaces/Greenhouses: Four Seasons
- Underlayment: Gypsum/Maxxon Corp. and U.S. Gypsum
- Wallboard: Georgia Pacific
At HB&G, we make versatile PermaCast columns and components that are easy to handle, inexpensive to install and virtually maintenance free for the homeowner. Our popular square PermaCast columns are available in sizes from 6’ to 16” and lengths of up to 20’. They offer superior design versatility. Columns can be customized with a choice of five ornamental capitals, four panel mold patterns and two base options. And they’re load-bearing and warranted for life.

See our entire line of HB&G products by visiting hbgcolumns.com where you’ll find
- A DEALER NEAR YOU
- PRODUCT OVERVIEW
- PRODUCT SPECIFICATIONS
- CAD DRAWINGS
- LIVE INSTALLATION VIDEO

Circle no. 231
doctor spec

working the web

using the internet expands the benefits of CAD modeling as a design tool.

by rich binsacca

For architect Don Evans, AIA, the New American Home 2000, a high-profile show home, looked like trouble from the start. The project was located a thousand miles away and involved an abbreviated schedule with a hard deadline. Its design-build team (including a 70-member committee of building-products manufacturers) was scattered around the country. Plus, Evans’ design had to articulate a 21st-century lifestyle, a showplace for the new millennium.

Evans, principal of The Evans Group, in Orlando, Fla., helped mitigate the hurdles in his path by combining computer design and communication technologies. Specifically, he used the Internet to display, solicit feedback on, and continually update a three-dimensional model of the house throughout the design and construction phases.

In doing so, Evans enabled others on the design-build team, including sponsors, to view the project’s progress, and he gave them an evolving and increasingly detailed model that allowed them to check specifications, clarify connections and finishes, and educate subcontractors.

Says Jon Sage of 3DCADCO, in Miami Beach, Fla., Evans’ technical consultant on the project, “Once The Evans Group was comfortable with the initial design work, we created a virtual tour, added some detail, and put it on the Web.”

the project

The New American Home 2000 is the latest in a 17-year series of show homes built in conjunction with the annual International Builders’ Show. It is sponsored by, among others, residential architect’s sister publication BUILDER magazine and the National Council of the Housing Industry, a consortium of product manufacturers within NAHB. Completed last November and opened to show attendees and others this past January, the house is located in the Lakes on Legacy Drive, a planned development in Frisco, north of Dallas.

During the design and construction phases of the New American Home 2000, architect Don Evans kept the project’s scattered participants informed by displaying—and constantly updating—a 3-D model on the Web.

a simpler way

Creating three-dimensional CAD (computer-aided design) models for internal and client review is an established practice among architects. But any design professional who has attempted to electronically transfer a CAD file to an off-site client or sub knows the hitches associated with conflicting software and operating systems. “They’re usually big files, and not very mobile via e-mail or on disk,” says Sage, in reference to the 2-meg-size CAD models he typically creates.

Establishing a Web site for the model erases such conflicts and mobility issues by allowing anyone with an Internet connection and the right domain address to view the file as renderings—and perhaps as a virtual-reality tour of the 3-D model—regardless of the software that created

continued on page 122

Each year, BUILDER Magazine publishes the results of their “Hot Brands” study showcasing the quality building products as selected by their readers. And for the third year in a row, Milgard Windows has been selected the highest quality vinyl window in the nation.

Our slogan at Milgard is “Clearly the best” — it’s what we base our entire business on. It starts at R&D and carries on through the sale and service of our windows.

We’ve never attempted to be the biggest window company in the nation — only the best. If you currently work with us, you know that’s true. If you don’t, we’d love the opportunity to show you what we can do to help you in your business.

For more information about our complete line of vinyl or wood windows, please call 1-800-MILGARD or visit our website at www.milgard.com.

Circle no. 92
The solution is becoming even more accessible as modern speeds and memory capacities continue to increase. "This capability wasn't even possible a year ago," says Sage.

With the interior designer in Arlington, Texas; the builder in Dallas; sponsors in Washington, D.C., and New York City; and key product suppliers from a variety of states who needed a look-see to complete their specs (but were rarely able to meet face-to-face or on site), the New American Home could have been a disaster. But making the project accessible to everyone on the Web offered a near-real-time method for inputting new data and details from each player and then updating the model to reflect the changes. "The impact of someone's opinion was incorporated early in the process," says Sage. "Without this opportunity, input might have been left out, especially from those working remotely."

Team members didn't make changes directly to the view-only file. Rather, they communicated their suggestions via phone, fax, and e-mail (and even sent fabric swatches) to Jim LaPiana, AIA, project architect at The Evans Group, who then worked with Sage to update and reload a revised version of the model on the Web. "It eliminated distances, phone tag, and the normal turnaround time for revisions," says Sage, who routinely posted two revisions a day. "It's like having a conference call at your convenience."

And although The Evans Group already had the CAD software in-house and was e-mail-savvy even before this project, LaPiana credits Sage for taking the firm to the next level of sophistication. "To do this right, you need someone who understands not just the technology, but what you need to accomplish with it," LaPiana says.

**Benefits for All**

Putting the 3-D model on the Web had other benefits, as well. "People were able to see things we couldn't capture on a two-dimensional plan or elevation," says Evans. For example, the builder, Custom Homes Group, LLC, was apprehensive about an interior, open-air courtyard. "The VRs [virtual-reality tours] communicated the openness of that space and put the builder at ease," he says.

The process of creating the model from a set of floor plans, says Sage, also helps the architect and builder see how key components or details actually come together—or how they need to be adjusted so they can be built in the field. For instance, in the New American Home project, the builder printed screen captures of various sections and details for subs in the field. "We were able to show the crew what something was supposed to look like," says Doug White, vice president of Custom Homes Group. He cites as an example the stonework around the home's three fireplaces. "Those printouts became the baseline for what we were trying to match in terms of colors and textures."

For interior designer Susan Orlie, having early and easy access to an evolving model meant a better reflection of her work in the finished house. "The thoughts and character of the interiors are integrated in the overall design; they don't just cover up the architecture," she says.

**Doctor Spec**

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

---

**Virtual-reality tours of the New American Home allowed members of the project team to examine details and finishes.**

**A lingering legacy**

Though the home is completed and the team has since scattered to other projects, the legacy of the high-tech design process lingers. Both architect and builder see applications for other off-site projects and clients, as well as for online marketing efforts and future design/build collaborations. "It just enhances the natural design and collaborative process we try to establish from the beginning," says Evans.

In addition, it's a factor that clients may not just consider, but request. "Clients already know that architects can create models and VRs," says Sage. "Incorporating the Web is the next step in distinguishing the firm."

Rich Binsacca is a freelance writer in Boise, Idaho.
For generations of Americans, the luxury of raised wood panels gracing the walls of fine homes was virtually taken for granted. Eventually, rising building costs and the scarcity of materials made raised wood panels all but impossible to afford, except in the most ambitious construction projects.

All of a sudden, fine raised wood panels are back. Thanks to New England Classic, the warmth and beauty of fine raised wood panels is a realistic choice again. This new system will not only duplicate the look of custom millwork, it will outperform it.

Using select Grade-A sliced veneers laminated to stable engineered wood substrates, the system can be configured into endless applications, even stairways.

Veneers include oak, maple and cherry as well as paint-grade finish. And here is the best part.

New England Classic raised wood panels will cost about one-third as much as a comparable custom installation and can be quickly installed by a carpenter with a chop saw and a power nailer.

Call us on your next project. Show your client what a little wood around the house can do.

CALL TOLL FREE: 888.880.6324 OR VISIT OUR WEBSITE: NEWENGLANDCLASSIC.COM
Marley Cellular Vinyl
The Industry's Millwork Choice!
Largest Capacity ~ 30 Years of Extrusion Experience ~ Best Quality
Interior and Exterior Cellular Vinyl Millwork Extruder

Total ROT Source

Architectural Styles
Interior Mouldings
Factory Finished

NO ROT Cellular Vinyl
Exterior Millwork
with Readi™ Finish

NO ROT Cellular Vinyl
Pro Series
Exterior Mouldings
with Readi™ Finish

NO ROT Cellular Vinyl
Garage Door Systems
Factory Finished

Products of Preference™

NO ROT Cellular Vinyl
Window Systems
with Readi™ Finish

No Maintenance • Full Profile • Moisture Resistant • Paintable • Termite Proof • Superior Insulator •
Nails or Glue • Won't Crack or Split • Strong and Durable • Warranted*
Full Assortment of Touch-Up Materials Available

*Readi Finish is guaranteed for 10 years by Marley Mouldings against UV discoloration. Profiles are guaranteed for 25 years against degradation.

Circle no. 317

P.O. Box 610 • Marion, VA 24354 • 800-368-3117 • www.marleymouldings.com • marley@netva.com
Your Feature in residential architect

The Ultimate Opportunity

Your company is featured in residential architect. Share this honor with your clients and associates through professional custom reprints—marketing materials that are as unique as your designs.

- Include with marketing materials, proposals, and plans
- Display in your office
- Distribute at trade shows and events
- Create a direct mail piece
- Reinforce your professional standing with clients

To order reprints of your company's feature from this issue call Kerrie Harrison
(202) 736-3446
Minimum order 500 reprints

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

Better Living
[BASEMENTS]
75% of Wood Quality Problems are Moisture Related*

Specifying KD Lumber is only the start...

Moisture 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
Web: www.wagner.com

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

© 1999 Wagner Electronic Products, Inc.
• Bold Design... Artfully sculpted tabs combine with rich, distinctive outlines for a bold and sophisticated look
• Natural Appearance... Subtle color palette simulates the hue of natural slate or stone materials
• High Performance... Custom specified, ultra-high performance Micro Weave® core provides the ultimate protection
• Peace Of Mind... Lifetime ltd. transferrable warranty with Smart Choice® Protection for the first 10 years*
• Greater Customer Satisfaction... Algae Eater™ System helps to protect against blue-green algae
• Quicker Installation... Large 17”x40” size saves labor

"Everlasting Beauty For The Sophisticated Owner"

Quality You Can Trust Since 1886... from North America's Largest Roofing Manufacturer
Circle no. 376
hands on

foot lights

ingenious light boxes built into the floor illuminate a dark interior.

by rick vitullo, aia

In designing a small contemporary house in Tacoma, Wash., architect Brian Brand drew inspiration from a very different building halfway across the world: the Musée D'Orsay, in Paris. In that design, sandblasted glass in the floor of an interior bridge disperses light between levels and lends the entire structure a feeling of weightlessness. Fascinated by this detail and wanting to maximize light in the Washington house, Brand, of Baylis Architects in Bellevue, Wash., came up with a clever but inexpensive variation on the transparent-bridge idea: light boxes set into the floor.

Brand's specific challenge was to bring extra light into the center of the house, where battered piers flank the main circulation area. He wanted not only to brighten and define this naturally darker interior space, but also to illuminate the homeowners' art collection, particularly at night when the skylights were dark. By puncturing the floor adjacent to the piers with individual light boxes constructed of sandblasted glass, he provided subtle drama as well as light. During the day, the piers are lit from above by the skylights; at night, they are illuminated from below by a similarly soft, diffuse glow.

Best of all, the light boxes continued on page 130
Introducing beauty that's more than skin deep. MiraTEC™ Treated Exterior Composite Trim has a clear cedar texture that captures all the beauty of wood. Its exclusive TEC™ manufacturing process* eliminates the knots and imperfections that can blemish your finest work. And, a 25-year limited warranty — the strongest in the trim industry — speaks to beauty that lasts. Call your dealer or 1-800-826-6503. Or visit www.miratectrim.com

* patents pending
perform double duty. Because they penetrate the floor all the way to the ceiling below, they serve as the primary light source for the lower-level corridor, too.

Rick Vitullo, AIA, is founder and principal of Vitullo Architecture Studio, Washington, D.C.

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.

The glass on top of the light boxes is sandblasted only on the underside, with the natural-glass surface facing up to provide a smooth, easy-to-clean walking surface.

Now When It Comes To Building Your decking Sales, We’ve Got A Great System.

The composite decking market is growing like crazy. And no decking within it is growing as fast as TimberTech®. Among the reasons — superior technology and exceptional dealer support. And now we’re giving you even more to sell with a complete TimberTech decking system including railing, fascia board, and a choice of tongue-and-groove planks for a fastener-free surface, traditional 2x6 planks, or our TimberTopper™ deck covers for resurfacing weathered wood decks. Call 1-800-307-7780 or visit our web site at www.TimberTech.com for more information. Unless you want your competition to get all those sales.

Tongue-and-Groove Planks 2x6 Planks TimberTopper™ Deck Covers Railing Fascia
TO AN ARCHITECT, IT'S REQUIRED READING.

Natural North Country slate roofing. Durable, timeless, from the finest quarries in the world. But getting it is only one part of the equation. The application, the design, the installation are also critical.

At North Country Slate, we wrote the book on what to consider when you're considering slate. Including the opportunities and the potential pitfalls. It will help ensure that the builder and the owner appreciate at the end of the day, what you conceived in the beginning.

Call for our free Guide today.

It's just one of the ways we're helping to bring your vision to life.

North Country Slate
Tel: (416) 724-4666; Toll-Free: 1-800-975-2335; www.ncslate.com
We're committed to the future! At EAGLE Window & Door we continue to offer a rich heritage of superior craftsmanship. Many of our employees are second- or third-generation window crafters, and remain the strength and heart of our business. That's why we're reinvesting in our community by building a new, state-of-the-art manufacturing facility. From the oldest, continually-operated window and door facility in the country (circa 1860's) to the newest, EAGLE is dedicated to carrying on a long-standing tradition. Isn't it time you experience a legacy in the making!

For information about EAGLE, call (800)453-3633 or visit our website at www.eaglewindow.com.

© 2000 EAGLE Window & Door, Inc. - Dubuque, Iowa
An American Architectural Products Corp. Company
Circle no. 71
There Are Three Ways To Beat the Competition:

Work Hard
Work Smart
Work Together

September 21-22
Aladdin Hotel
Las Vegas, Nevada

20 Information-Packed Educational Sessions

Produced by:
Builder
Home Builders Network

Sponsored by:
Alside
CORIAN
Fortune Brands

Call 1-800-774-2537 or email teambuilder@hanley-wood.com for registration and play-by-play information.

For quality interior and exterior urethane products that add value and beauty to your projects, choose Architectural Accents®

- 1000's of Standard and Custom Products available
- Clean Lines and Sharp Detail
- Easy Installation
- Low Maintenance
- Short Lead Times
- Courteous and Reliable Service

Circle no. 265

For free product literature and to find the dealer nearest you, call 800/446-3040 or visit our web site at www.style-mark.com
For complete convention and expo information and to attend the full convention program, register online at www.aiaconvention2000.com

To gain free admission to the AIA Expo2000 just fill out this short form and present it at the Exhibits Only Registration Desk or mail to AIA Registration Agent, CompuSystems Inc., P.O. Box 465, Brookfield, IL 60513-0465 or fax to 708-344-4444. Pre-Registration deadline is April 7, 2000.

Please complete to help AIA plan future conventions.

Title/Job Function (check one)

- BA ☐ Principal/Partner/President
- BB ☐ VP/Associate/Project Manager
- BC ☐ Project Architect/Architect
- BD ☐ Interior Design/Space Planner
- BE ☐ Draftsperson
- BF ☐ Engineer
- BG ☐ Specifier/Cost Estimator
- BH ☐ Landscape Architect
- BI ☐ Facility Manager
- BJ ☐ Administrator/Office Manager
- BK ☐ Education/Student
- BL ☐ Other

Type of Firms

- CA ☐ Architecture
- CB ☐ A/E or E/A
- CC ☐ Interior/Space Planning
- CD ☐ Contractor/Builder/Contractor
- CE ☐ Facility Management/Construction Management
- CF ☐ Facility Management/Development
- CG ☐ Government
- CH ☐ Educational
- CI ☐ Consulting
- CJ ☐ Other

Firm Employees (all offices)

- DA ☐ 1
- DB ☐ 2 - 9
- DC ☐ 10 - 49
- DD ☐ 50 - 100
- DE ☐ More than 100

Please complete to help AIA plan future conventions.

Buying Influence

- EA ☐ Real Estate
- EB ☐ Specify
- EC ☐ Recommend
- ED ☐ No Role

Location of Firm's Work

- FA ☐ Local
- FB ☐ Regional
- FC ☐ National
- FD ☐ International

Primary Type of Work

- GA ☐ Commercial
- GB ☐ Institutional
- GC ☐ Residential
- GD ☐ Industrial

Reasons for attending the AIA Convention (check three that are most important to you)

- AA ☐ Complete Continuing Education Requirements
- AB ☐ Products and Services in AIA Expo2000
- AC ☐ Networking with Colleagues
- AD ☐ General Session Topics and Speakers
- AE ☐ Convention City
- AF ☐ Delegates to AIA Business Sessions

Please note: this registration does not include admission to conference sessions. Please extend this invitation to colleagues by duplicating this form.
Preserve Treated Wood
For more than a decade, arsenic- and chromium-free Preserve® treated wood has been used in some of the world’s most environmentally sensitive locations. From the pristine environments of national parks in North America, Australia, Europe and Japan, to neighborhood playgrounds and backyards like yours, Preserve treated wood has been used around the globe to provide a durable building product for outdoor projects where environmental values and product safety are a priority.

Chemical Specialties, Inc.
200 East Woodlawn Rd., Ste. 250
Charlotte, NC 28217
www.treatedwood.com
productinfo@chemspec.com
Tel: 800-421-8661 • Fax: 704-527-8232 Circle No. 460

Your Feature In
residential architect
The Ultimate Opportunity

Your company is featured in residential architect. Share this honor with your clients and associates through professional custom reprints—marketing materials that are as unique as your designs.

- Include with marketing materials, proposals, and plans
- Display in your office
- Distribute at trade shows and events
- Create a direct mail piece
- Reinforce your professional standing with clients

To order reprints of your company’s feature from this issue call Kerrie Harrison (202) 736-3446

Minimum order 500 reprints

Increase Your Profits!

UDA
Construction Office™ 2000
Architect/Designer Version

• Over 100 Construction & Design Contracts
• 200 categories of Residential Specifications
• Estimating Spreadsheet Templates
• Planning & Design Workbook
UDA Construction Office™ 2000 Software is your comprehensive solution for Residential Construction & Design Management and includes over 300 pages of Contracts, Forms, Specifications, Worksheets & Templates designed to accomplish everyday tasks more efficiently.

Special Price of $189.95
30 Day Money Back Guarantee!

1-800-700-8321
United Design Associates, Inc.
www.uniteddesign.com
Circle No. 461

For information on advertising in residential architect’s CAD/Computer Shop section, please call Matt Granger at 406-677-3996.
**Chadsworth's 1.800.Columns®**

**www.columns.com**

Voted No. 1 Preferred Brand in U.S.


Our award-winning Idea Book features an exciting collection of column projects. Includes Columns Product Portfolio, $20 soft cover, $30 hard cover.

Columns Product Portfolio $5 (credited to first order). Free flier.

1.800.486.2118 • Telefax 910.763.3191

Circle No. 434

---

**Anthony Power Beam®**

- Drop in replacement for LVL and PSL
- Stronger and stiffer than LVL and PSL
- Full width 3 1/2", 5 1/2" and 7" • I-Joist compatible depths
- Lower installed costs • One piece construction • Anthony Woodworks software

Call 800-221-2326

Internet anthonyforest.com

Circle No. 437

---

**Columns and Balustrades**

Melton Classics' complete line of columns and balustrades are classically authentic yet affordably priced. Enhance your next project with fiberglass, marble/resin or wood columns for paint or stain, synthetic stone columns and balustrades, or choose from our comprehensive cast stone and polyurethane millwork product lines. 800.963.3060 or log on to their web site at www.meltonclassics.com.

Circle No. 435

---

**Granicoat® Solid Surfaces**

A revolutionary, factory applied material that has the look, properties and characteristics of traditional solid surface sheet goods at approximately half the cost installed. GRANICOAT is available in unlimited colors and designs and is the only solid surface material that gives you a seamless edge.


Circle No. 436
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. 439

Jacuzzi Whirlpool Bath presents the Designer Collection of whirlpool baths, shower systems, toilets, bidets, lavatories and faucetry. This full-color catalog features innovative, beautifully styled products, installation ideas and product specifications. For more information please call 1-800-288-4002 or visit www.jacuzzi.com. Catalog free of charge.

Circle No. 440

Silent Salesperson

Welcome your customers graciously with our Symphony custom staircases executed in domestic or imported hardwoods. Full palette of custom touches available including handcarving and iron balustrades. Services include CADD design drawings, pre-fit handrail & job-site delivery.

www.mrstair.com • (800) 236-1736
Staircase & Millwork • Circle No. 441

DIRECT TO BUILDERS

www.apaneling.com or 60-page print catalog available for $10.00
Architectural Paneling, Inc.
979 Third Avenue New York, NY 10022
Tel: (212) 371-9632 • Fax: (212) 759-0276
Circle No. 438
Forged Iron
Exclusively by ACORN
P.O. Box 31
Mansfield, MA 02048
800-835-0121
www.acornmfg.com

ACORN

For easy and trouble free installation of any standard or custom size.

Finlandia Sauna Products, Inc.
14010-B SW 72nd Ave.
Portland, OR 97224
800-354-3342 or Fax 503-684-1120
www.finlandiasauna.com
finlandiasauna@worldnet.att.net
Circle No. 443

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.
Circle No. 445

Environmentally correct Cork floors are sophisticated, elegant and very durable. Cork, a natural insulator combines thermal and acoustical properties. Hypoallergenic, it is the perfect choice for people with special needs and no other flooring surface is kinder to the legs and back. Natural Cork Parquet Tiles and Floating Floors are available in eight attractive patterns.

Natural Cork
1825 Killingsworth Road
Augusta, Georgia 30904 • 800-404-2675
info@naturalcork.com • www.naturalcork.com
Circle No. 446
Natural Cedar Lumber


Bear Creek Lumber
Website:www.bearcreeklumber.com or call (800) 597-7191 for pricing
Circle No. 447

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 blue-print. Toll free (888)SMT-DOOR.
Fax (909)272-6367.
Circle No. 448

Starlit® Kit Wire Lighting Systems
When traditional track lighting just won't do, come into the third dimension with OUTWATER's revolutionary Starlit® Kit wire lighting system, a series of halogen lamp fixtures you can "float" in a variety of creative configurations between the kit's parallel wires to highlight and illuminate any environment as desired.

ARCHITECTURAL PRODUCTS BY OUTWATER
Call: 1.800.835.4400 • Fax 1.800.835.4403
Web Site: www.outwater.com
Circle No. 450

Flexilight™ Rope Light
Priced as low as 99¢ per foot, OUTWATER's UL Listed, 120-volt/low-voltage Flexilight™ Decorative Rope Lighting provides complete lighting versatility by conforming to your creative intentions in almost any shape needed to enable you to install and create illumination wherever ambient lighting is required. Flexilight™ is available in eight different colors in 30' or 150', 1/2' or 3/8' diameter coils which can be cut in increments.
Free 950+ page catalog.

ARCHITECTURAL PRODUCTS BY OUTWATER
Call: 1.800.835.4400
Fax 1.800.835.4403
Web Site: www.outwater.com
Circle No. 449
EverNew

Premium vinyl deck. Tested by an expert for a lifetime of barefoot comfort.

Fypon, Ltd.
The largest selection of Molded Millwork in the industry is displayed in Fypon's 4th Edition catalog. A color-coded index and style guide symbols make a quick reference simple. Includes balustrade and entrance systems, columns, moldings, window/door trim and more.
Fypon, Ltd. • P.O. Box 365
Stewartstown, PA 17363-0365
1-888-477-3388 • www.fypon.com

Curvoflite® Stairs and Millwork, Inc.
The leaders and innovators of design and quality craftsmanship in the industry, Curvoflite® is a third generation, 67-year-old family business. Each stair is hand crafted by one of our old world craftsmen. Curvoflite® stairs are “over-built” — to stand the test of time.
205 Spencer Avenue
Chelsea, MA 02150-2217
Phone: 877-STAIRS1 (782-4771)
Fax: 617-889-6339

Boen

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 HARDWOOD FLOORING
350 Hollie Drive
Bowles Industrial Park
Martinsville, VA 24112
www.boen.com • Circle No. 404
ScapeWEL® Window Wells by Bilco

Bilco’s ScapeWEL® window wells create desirable new living space by adding beauty and natural daylight to basement areas. The unique terraced design satisfies emergency egress code requirements and can be landscaped to further enhance its beauty. Constructed of high density polyethylene and reinforced with a structural foam core, ScapeWEL® requires no finishing and simply snaps together for easy installation. An optional all-weather cover of unbreakable, clear polycarbonate is available. For further information, contact Bilco at 1-203-934-6363 www.bilco.com.

Circle No. 406

Concrete Answers for Residential Construction

Learn more about Concrete Homebuilding. Circle our Inquiry Number for a free copy of our Residential Catalog, or check out our Hotline or Web Site. Find valuable resources on residential concrete construction, technical information, training books and videos, and promotional tools. 888/333-4840 • www.concretehomes.com
Portland Cement Association
Circle No. 407

A Home Made Better

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

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

Robert Brooks, Shaftsbury, VT

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

Circle No. 408
Imagination is the only limitation.

Fire Protection Never Looked So Good... or cost so little.

Introducing The Celeste Flush Residential Fire Sprinkler - when aesthetics AND economy count.

Call today for your FREE guide to residential sprinkler systems or for the location of the Star distributor nearest you. 1-800-558-5236 or e-mail: starsprk@execpc.com

North American Hardwoods


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.
Grill Works, Inc.
Grill Works allows you to design the register/grill of your choice. You can choose from four different louver configurations (from our patented design to the traditional eggcrate design); six different models (to fit your specific application) in your favorite species of wood. In addition, you can also select from large inventory of stock items.

Circle No. 414

L.B. Plastics, Inc.
SHEERLINE is the perfect solution for many of your deck, porch railing and fence applications. SHEERLINE engineered designs provide lasting beauty, style and elegance and are backed by a lifetime warranty. From our unique one-piece decking to our stylish railing systems to our patented column clad system to a variety of fence styles, SHEERLINE systems are the easiest to install and provide maximum strength and durability.
For more information, call 800-752-7739.

Circle No. 415

The Millwork Store.
"Create a Porch that will last for years"

We have much more to choose from, call for a complete catalog.

By using The Millwork Store's PermaCast Columns and PermaRail System you can create a beautiful porch that's low-maintenance and will last for years with minimal effort. All PermaCast Columns come with a lifetime warranty. Call 1.800.670.6465 for details, or visit our website @ http://www.millworkstore.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
Circle No. 419
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-tek.com • Circle No. 422

VERSA-LOK’s New Look in Retaining Walls
VERSA-LOK’s New Mosaic™ Retaining Wall System is the ultimate combination of aesthetics and performance. It combines a random, stone-like geometry with the technological advantages of VERSA-LOK’s proven wall construction system. In addition, Mosaic Weathered™ units undergo a special process to create a rustic, old-world character. The concrete units are easily installed without mortar, require no concrete footings, and are environmentally safe. For FREE information, contact VERSA-LOK Retaining Wall Systems at (800) 770-4525.

Circle No. 423

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

Circle No. 425

JERON MARBLE PRODUCTS
2460 Radley Court, Hayward, CA 94545
Tel: (510) 782-2888 • Fax: (510) 782-7132
www.jerongmarble.com

Direct Importer
Marble $2.00 sq. ft. • Granite $3.00 sq. ft. • Slate $1.25 sq. ft. • Granite Slab $4.00 sq. ft.
Additional Items: Machine Carved Fireplaces • Hand Carved Fireplaces • Columns • Mosaic Marble Floor • Inserts • Porcelain Tile • Limestone

CARVED MARBLE FIREPLACES
$699 per set

Circle No. 424
Heating and Plumbing Systems
RTI PEX (cross-linked polyethylene) Piping Systems include Radiant Technology radiant heating, designer baseboard and radiators, snow melting, and the Plumb-Pex Plumbing System. Superior comfort and efficiency provided from quality products backed with the Heat-Pex® and Plumb-Pex® 25 Year Piping Warranty.

www.radiant-tech.com

Circle No. 426

Continental Fan Mfg., Inc.
The Problem... Numerous surveys by builders and homeowners have confirmed the ineffectiveness of the typical residential bathroom exhaust system for the same reasons: too much noise and not enough air changes to eliminate humidity. The Concept... The Continental venting system addresses these flaws. By having the fan remotely mounted (in the attic or other unoccupied space), the fan noise is isolated away from the living space. Thus, a more powerful fan can be used with less noise. The Solution... Remote bathroom ventilation kits utilize the AXC Series of in-line centrifugal fans. The fans incorporate a backward curved fan impeller, which is the quietest blade form available, yet is powerful enough for extended duct runs. Capacities are double to quadruple the CFM range of typical in-ceiling exhaust fans.

Circle No. 429

YOST MANUFACTURING AND SUPPLY, INC.
Yost Mfg. & Supply, Inc. has a full line of specialty elbows and gutter supplies to solve any installation problem. These elbows make your installations look more professional and help reduce labor costs.

1-800-USA-YOST (800-872-9678).
Fax 860-444-YOST.
www.angelfire.com/biz/yostmfg

Circle No. 427

SOME THINGS SPEAK FOR THEMSELVES...

KARNAK
KARNAK CORPORATION
330 CENTRAL AVENUE
CLARK, NJ 07066
TOLL FREE (800) 526-6236
(908) 388-0300
FAX (908) 388-9422

KARNAK SOUTH INC.
1016 S.E. 20TH STREET
PORT EVERGLADES
FORT LAUDERDALE, FLORIDA 33316

www.karnakcorp.com

Circle No. 428
ENHANCE YOUR HOME...

Custom RAIL
by CDM

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.
- Traditional Styling without the Problems of Wood.
- Designed to Excel.
- Easy Installation.
- Unaffected by Extreme Temperatures.
- The Highest Quality.
- 10 Year Limited Warranty.
- Exceeds Boca UBC & SBC requirements.

CUSTOM DECORATIVE MOULDINGS
P.O. Box F • Greenwood, DE 19950
PHONE: 1-302-349-4937
FAX: 1-302-349-4816
www.cdm.nanticoke.com/ Circle No. 430

WEB VIDEO
www.vacsamerica.com
The Vacuum For 2000 and Beyond

Our Web site video shows the ease of installing a "Cubby Vac" central vacuum center.

- Hose extends and retracts from cabinet
- Hose system reach of 48 feet
- Installs in 16" stud cavity after sheet rock

"Cubby Vac"

Vacs America, Inc. 800-266-1526
Email: vacs@vacsamerica.com
Circle No. 431

Introducing
The Absolute Zero Collection™

Stainless Steel Cabinet Hardware by Providence Artworks Inc.

Finally, when choosing industrial appliances such as Sub-Zero, GE Monogram™ and Viking you can specify hardware worthy of your professional kitchen design. Each piece is offered in a polished or brushed finish.

Providence Artworks Inc.
688 West 1st St. Suite 2
Tempe, AZ 85281
Call toll-free (877) 684-3362.

Residential Continuous Geared Hinge

- Excellent for new and retrofit door applications.
- Guarantees a better fitting door and frame.
- Eliminates the need for templates and routers.
- Distributes the weight of the door evenly on the door frame.
- Helps prevent weather from penetrating the interior of your home.

Circle No. 432
Bessler Stairway Co.
Featuring Model 26, an excellent choice for the new home or as a replacement for worn-out folding attic stairs. Model 26 is a 1-piece sliding stair and fits standard folding stair openings. It is available for residential and commercial installations. Other models also available. Please visit our Web site at www.bessler.com
Circle No. 451

Southern Pine Lumber Library
The latest editions of three publications offer Southern Pine design values, grade descriptions, span tables, size selection and allowable load tables, plus much more. Definitive references for the specifier of wood products in both residential and light commercial structures.
www.southernpine.com
Circle No. 454

CENTRALVAC
People choose CENTRALVAC because it does a better job. It’s as simple as that. More power is the key. Because the CENTRALVAC is mounted on a wall, unlike portable vacuums, there’s no size or weight limit. So the motor can be, and is, much more powerful. That added power means you clean deeper. You remove more dirt and dust, and do it faster.
For more information call 800-666-3133 or 308-235-4139.
Circle No. 452

Mailboxes
Residential and Commercial
mailboxes.com
1-800-SALSBURY
www.mailboxes.com
info@salsbury.com
SALSBURY
INDUSTRIES
People Committed to Quality Since 1966.
1010 East 62nd Street
Los Angeles, CA 90001-1598
Circle No. 453

People choose CENTRALVAC because it does a better job. It’s as simple as that. More power is the key. Because the CENTRALVAC is mounted on a wall, unlike portable vacuums, there’s no size or weight limit. So the motor can be, and is, much more powerful. That added power means you clean deeper. You remove more dirt and dust, and do it faster.
For more information call 800-666-3133 or 308-235-4139.
Circle No. 452

Mailboxes
Residential and Commercial
mailboxes.com
1-800-SALSBURY
www.mailboxes.com
info@salsbury.com
SALSBURY
INDUSTRIES
People Committed to Quality Since 1966.
1010 East 62nd Street
Los Angeles, CA 90001-1598
Circle No. 453
special advertising section

architect’s showcase

Willing to risk your project on low bids and quality to match? How much thought went into the SAUNAS you specified? IT SHOWS? Make your project distinctive. Be selfish. Specify the best sauna available, AM-FINN Sauna. You won’t have to worry about that phase of the project again. Uncompromising quality!

AM-FINN SAUNA CO.
PO Box 29406 • Greensboro, NC 27429
Phone: 336-854-1991 • Fax: 336-854-3677
Toll Free: 800-237-2862
www.am-finnsauna.com
amfinn@bellsouth.net

Circle No. 455

A FREE guide that could change the way you do business

Once you learn how a quality acrylic surface makes a bathtub shine through years of use, you may never install anything else. Get the free guide hundreds of builders and remodelers are already using to help customers understand the benefits of acrylic. Trust the surface that’s tough enough to do wonders for customer satisfaction, and for your reputation — acrylic.

Call today for your FREE brochure “Always Acrylic Quality Bath Guide”
1-800-485-1124
or visit www.aristechacrylics.com

Circle No. 456

Building? Remodeling?

If so, consider planning for the future by installing a Wauapaca Elevator that is designed to fit your decor. A Wauapaca 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:

Wauapaca Elevator Co.
1050 So. Grider St.
Appleton, Wisconsin 54914

Tel: 1-800-238-8739 • Fax: 1-920-991-9087 • Circle No. 457

Circle No. 457

SMARTBLOCK™:
THE BEST ICF SAVINGS,
SECURITY, SERENITY

R-22 or R-24 Wall Systems
4", 6", 8" & 10" + Grid Systems
American Conform® Industries
1-800-conform (266-3676)
www.smartblock.com

Circle No. 458
The 37th Annual "Best in the West" competition showcases the best in residential, commercial and specialty projects from the 14 Western States and the countries of the Pacific Rim. It's the premier event of The Pacific Coast Builder's Conference Western Building Show, the nation's oldest and largest regional exposition and conference. The toast of San Francisco in June, Gold Nugget winners will also be featured in the July issue of BUILDER Magazine, co-sponsor of the 2000 Gold Nugget Awards, along with MonierLifeTile, The Gas Company and PCBC. To request your entry package, call 800 658-2751 or email us at mayeraward@aol.com or download entry materials from our web site: goldnuggetawards.com. Don't miss this great opportunity for your chance at the gold!

<table>
<thead>
<tr>
<th>Advertiser</th>
<th>Web Site</th>
<th>Circle</th>
<th>Phone No.</th>
<th>Tax</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maxx</td>
<td><a href="http://www.maxx.com">www.maxx.com</a></td>
<td>7</td>
<td>345</td>
<td>800-463-6229</td>
</tr>
<tr>
<td>Marley Mouldings</td>
<td><a href="http://www.marleymouldings.com">www.marleymouldings.com</a></td>
<td>124</td>
<td>317</td>
<td>800-368-3177</td>
</tr>
<tr>
<td>Marvin Windows and Doors</td>
<td><a href="http://www.marvinwindows.com">www.marvinwindows.com</a></td>
<td>22-23</td>
<td>311</td>
<td>800-267-6941</td>
</tr>
<tr>
<td>Marvin Inc.</td>
<td><a href="http://www.marvin-inc.com">www.marvin-inc.com</a></td>
<td>31-32</td>
<td>99</td>
<td>800-236-9690</td>
</tr>
<tr>
<td>Misceleneous</td>
<td><a href="http://www.miscellaneous.com">www.miscellaneous.com</a></td>
<td>135</td>
<td>64</td>
<td>800-826-6003</td>
</tr>
<tr>
<td>Masco Corp.</td>
<td><a href="http://www.masco.com">www.masco.com</a></td>
<td>112</td>
<td>367</td>
<td>800-356-7897</td>
</tr>
<tr>
<td>Mitchell Windows</td>
<td><a href="http://www.mitchellwindows.com">www.mitchellwindows.com</a></td>
<td>121</td>
<td>92</td>
<td>800-MILLARD</td>
</tr>
<tr>
<td>Morgan Doors (Part of the Jeld-Wen family)</td>
<td><a href="http://www.morgan.com">www.morgan.com</a></td>
<td>39</td>
<td>287</td>
<td>800-577-9482 ext. M2</td>
</tr>
<tr>
<td>New England Classic Interiors</td>
<td><a href="http://www.newenglandclassic.com">www.newenglandclassic.com</a></td>
<td>123</td>
<td>288</td>
<td>888-880-6324</td>
</tr>
<tr>
<td>Northstar Industries</td>
<td><a href="http://www.northstarindustries.com">www.northstarindustries.com</a></td>
<td>105</td>
<td>537</td>
<td>416-777-4163</td>
</tr>
<tr>
<td>Nord Door (Part of the Jeld-Wen family)</td>
<td><a href="http://www.nord-door.com">www.nord-door.com</a></td>
<td>90-91</td>
<td>221</td>
<td>800-877-9482 ext. X2326</td>
</tr>
<tr>
<td>North Country Slate</td>
<td><a href="http://www.northcountryslate.com">www.northcountryslate.com</a></td>
<td>115</td>
<td>251</td>
<td>800-975-2335</td>
</tr>
<tr>
<td>Northern Roof Tile Sales Co.</td>
<td><a href="http://www.northrooftilesales.com">www.northrooftilesales.com</a></td>
<td>109</td>
<td>310</td>
<td>905-627-4025</td>
</tr>
<tr>
<td>Pearl Bathrooms</td>
<td><a href="http://www.perl-bath.com">www.perl-bath.com</a></td>
<td>108</td>
<td>346</td>
<td>800-328-2531</td>
</tr>
<tr>
<td>Pola Corporation</td>
<td><a href="http://www.pola.com">www.pola.com</a></td>
<td>C5-1</td>
<td>19</td>
<td>800-34-PELLA</td>
</tr>
<tr>
<td>Protective Coatings Technology, Inc.</td>
<td><a href="http://www.protect.com">www.protect.com</a></td>
<td>105</td>
<td>316</td>
<td>800-846-3030</td>
</tr>
<tr>
<td>Product Literature</td>
<td><a href="http://www.productliterature.com">www.productliterature.com</a></td>
<td>137-149</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Quik Drive, USA, Inc.</td>
<td><a href="http://www.quikdrive.com">www.quikdrive.com</a></td>
<td>105</td>
<td>86</td>
<td>888-784-5663</td>
</tr>
<tr>
<td>Seagull Lighting Products</td>
<td><a href="http://www.seagulllighting.com">www.seagulllighting.com</a></td>
<td>45</td>
<td>20</td>
<td>800-347-5483</td>
</tr>
<tr>
<td>Simpson Door Company</td>
<td><a href="http://www.simpsondoor.com">www.simpsondoor.com</a></td>
<td>108</td>
<td>361</td>
<td>800-953-4057</td>
</tr>
<tr>
<td>Simpson Strong-Tie Co., Inc.</td>
<td><a href="http://www.simplesupport.com">www.simplesupport.com</a></td>
<td>14</td>
<td>26</td>
<td>800-999-5099</td>
</tr>
<tr>
<td>Smart Age</td>
<td><a href="http://www.smartage.com">www.smartage.com</a></td>
<td>43</td>
<td>--</td>
<td>--</td>
</tr>
<tr>
<td>Softplan Systems</td>
<td><a href="http://www.softplan.com">www.softplan.com</a></td>
<td>62</td>
<td>79</td>
<td>800-248-0164</td>
</tr>
<tr>
<td>Sony Corporation</td>
<td><a href="http://www.sony.com/directbiz-pnt">www.sony.com/directbiz-pnt</a></td>
<td>48</td>
<td>302</td>
<td>877-879-SONY</td>
</tr>
<tr>
<td>Stylemark</td>
<td><a href="http://www.stylemark.com">www.stylemark.com</a></td>
<td>133</td>
<td>265</td>
<td>800-446-3040</td>
</tr>
<tr>
<td>Sub-Zero Freezer Co.</td>
<td><a href="http://www.subzero.com">www.subzero.com</a></td>
<td>C4</td>
<td>266</td>
<td>800-444-7820</td>
</tr>
<tr>
<td>Superior Fireplaces</td>
<td><a href="http://www.superiorfireplace.com">www.superiorfireplace.com</a></td>
<td>6</td>
<td>228</td>
<td>800-731-8101</td>
</tr>
<tr>
<td>Toray Mouldings</td>
<td><a href="http://www.toraymouldings.com">www.toraymouldings.com</a></td>
<td>130</td>
<td>201</td>
<td>800-307-7780</td>
</tr>
<tr>
<td>Tranx Co.</td>
<td><a href="http://www.tranxing.com">www.tranxing.com</a></td>
<td>116</td>
<td>373</td>
<td>877-99-TRANX</td>
</tr>
<tr>
<td>Tuff-N-Dri</td>
<td><a href="http://www.TUFF-N-DRI.com">www.TUFF-N-DRI.com</a></td>
<td>28-29</td>
<td>33</td>
<td>800-BUY-TRX est. 631</td>
</tr>
<tr>
<td>Tuff-N-Dri Hardware</td>
<td><a href="http://www.TUFF-N-DRIH.com">www.TUFF-N-DRIH.com</a></td>
<td>89, 368</td>
<td>201, 113</td>
<td>800-DRY-BSMT</td>
</tr>
<tr>
<td>UNICO</td>
<td><a href="http://www.unico.com">www.unico.com</a></td>
<td>62</td>
<td>54</td>
<td>800-527-0896</td>
</tr>
<tr>
<td>United States Gypsum Company</td>
<td><a href="http://www.usg.com">www.usg.com</a></td>
<td>117</td>
<td>374</td>
<td>800-USG-4YOU</td>
</tr>
<tr>
<td>Vermont Timber Frames Inc.</td>
<td><a href="http://www.vtframe.com">www.vtframe.com</a></td>
<td>5</td>
<td>334</td>
<td>518-877-8680</td>
</tr>
<tr>
<td>Viking Range Corp.</td>
<td><a href="http://www.vikingequipment.com">www.vikingequipment.com</a></td>
<td>66</td>
<td>205</td>
<td>662-455-1200</td>
</tr>
<tr>
<td>Wagner Electronic Products, Inc.</td>
<td><a href="http://www.wagner.com">www.wagner.com</a></td>
<td>132</td>
<td>286</td>
<td>800-944-7078</td>
</tr>
<tr>
<td>Wellborn Cabinet, Inc.</td>
<td><a href="http://www.wellborncabinet.com">www.wellborncabinet.com</a></td>
<td>65</td>
<td>359</td>
<td>800-336-3040</td>
</tr>
<tr>
<td>Whirlpool Corp.</td>
<td><a href="http://www.whirlpool.com">www.whirlpool.com</a></td>
<td>41-42</td>
<td>397</td>
<td>616-923-3785</td>
</tr>
<tr>
<td>Window &amp; Door Manufacturers Association (WDMA)</td>
<td><a href="http://www.wdma.com">www.wdma.com</a></td>
<td>104</td>
<td>298</td>
<td>800-223-3501</td>
</tr>
<tr>
<td>Wolverine Siding Systems</td>
<td><a href="http://www.wolingside.com">www.wolingside.com</a></td>
<td>21</td>
<td>28</td>
<td>888-883-8013</td>
</tr>
</tbody>
</table>

* Issue mailed in regional editions.

Volume 4, number 4, residential architect (ISSN 1093-339X) is published ten times a year in 2000 by Hanley-Wood, LLC, One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 2000 by Hanley-Wood, LLC. Opinions expressed are those of the authors or sources quoted and not necessarily those of Hanley-Wood, LLC. Reproductions in whole or in part prohibited without prior written authorization. residential architect is sent free of charge to qualified readers involved in the residential home design market. The publisher reserves the right to determine qualification criteria. Out-of-field subscription rates are: U.S. 82.95; 51 overseas students 15.99; Canada and all other countries, S.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: 888-369-3410 / 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.
One house that has had a profound influence on my work is my great-grandfather’s home place in Bath Springs, Tenn., which I frequented on summer visits during my childhood and still visit on most weekends today. It is located midway between the cities of Nashville and Memphis, and both my grandmother and mother were born there.

The house has taught me many lessons on achieving economy, utility, and beauty. The main house is a rather simple interpretation of a classic I-frame. The interior and exterior materials of stone and wood are honest and true. Vertically proportioned windows are located to capture natural light and cool breezes. The livability of the straightforward plan has proven to be immensely adaptable for multiple generations of family members. Indoor/outdoor relationships are paramount, with functional porches along the front and rear. Framed by tall cedars and walnut trees, the home’s outbuildings—log smokehouse, stone canning house, and barn—form an informal courtyard that extends to the agrarian landscape.

The values, character, and serenity I have experienced here make it not just a house, but a place to call home. ra

J. Carson Looney, FAIA, is a founding partner of Looney Ricks Kiss Architects in Memphis, Tenn.