

residential architect

hanley wood

JULY · AUGUST 2009

leadership awards
2009

dpz's placemakers
set the stage for
a better way to live

top firm: the miller|hull partnership /
rising star: john brown

www.residentialarchitect.com



Don't just talk
green. Install the
**world's most energy
efficient ventilating
fans.** Panasonic
WhisperGreen. Now
it pays to be quiet.

New 2009 WhisperGreen® Models

130 CFM FV-13VKM2 | FV-13VKS2
80 CFM FV-08VKM2 | FV-08VKS2

Limited Time Offer | \$10 Rewards Card
Visit panasonic.com/architect to learn more.

Panasonic **ideas for life**

WhisperGreen®
VENTILATION FAN




Why install an ordinary bathroom fan, when you can instill trust and confidence in your customers with Panasonic WhisperGreen, the only series of ventilation fans in North America with energy stingy DC motors. Panasonic's WhisperGreen DC motor models offer the highest CFM/Watt, recognized by ENERGY STAR® guidelines for ventilating fan efficiency. They're designed to meet ASHRAE 62.2 and other indoor air quality (IAQ) standards requiring continuous ventilation. Now you can help save the environment, and save your customers some money by building tight and ventilating right with Panasonic. **Live green. Save green.**
Learn more at www.panasonic.com/architect or call 1-866-292-7292.

Go to <http://resarch.hotims.com> for more info

AZEK®, the #1 brand of trim, proudly introduces our latest innovation - AZEK Trim with the AZEK Edge™. Like all AZEK Products, AZEK Trim with the AZEK Edge is building code listed, perfect for ground contact, and impervious to moisture and insects. To put the power of the AZEK brand to work for you, visit www.azek.com. It's the edge you've been looking for.

AZEK®
Trim

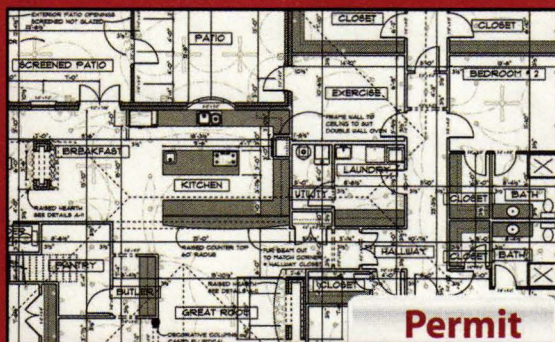
Go to <http://research.hotims.com> for more info



Finally trimboard
that passes a white
glove inspection.

*AZEK Trim with the
AZEK Edge:*

- ✓ Sealed, precise edges -
S4S (Surfaced 4 Sides)
- ✓ Stays cleaner in the yard
- ✓ Cleans up easier on the
jobsite
- ✓ Tightest board tolerances
in the industry
- ✓ AZEK - The #1 brand of trim
www.azek.com



STAND OUT

Gain new clients in today's more competitive market with SoftPlan's 2D and 3D capabilities.

According to a recent survey among Architects using SoftPlan:

- **95%** said SoftPlan was easier to use than their former software
- **96%** said SoftPlan was faster at creating construction documents
- **91%** said they would recommend SoftPlan to other Architects

Version 14
SOFTPLAN
 ARCHITECTURAL DESIGN SOFTWARE

for a free trial version 1-800-248-0164

www.softplan.com

Go to <http://research.hotims.com> for more info

residential architect®

JULY · AUGUST 2009

S. Claire Conroy / Editorial Director / 202.736.3312 / conroy@hanleywood.com
 Pete Morelewicz / Deputy Design Director / 202.736.3331 / pmorelewicz@hanleywood.com
 Marla Misek Clark / Managing Editor / 202.736.3442 / mclark@hanleywood.com
 Meghan Drueding / Senior Editor / 202.736.3344 / mdueding@hanleywood.com
 Nigel F. Maynard / Senior Editor / 202.736.3438 / nmaynard@hanleywood.com
 Bruce D. Snider / Senior Editor / 207.322.6232 / bsnider@hanleywood.com
 Cheryl Weber, LEED AP / Senior Contributing Editor
 Katie DuBree / Graphic Design Intern
 Richard Stirba / Senior Web Producer
 Stephani L. Miller / Associate Web Editor / 202.736.3403 / smiller@hanleywood.com
 Cathy Underwood / Director of Production and Production Technologies
 Johanna Daproza / Production Manager
 Daisril Richards / Ad Traffic Manager
 Annie Clark / Inside Sales Ad Traffic Manager
 Fred Weisskopf / Prepress Manager
 Betty Kerwin / Prepress Coordinator
 Chris Lustan / Circulation Director
 Michelle Rideout / Marketing Manager
 Kelly Griffith / Senior Director, Creative Services
 Warren Nesbitt / Executive Director, Residential New Construction Group
 Jeff Calore / Publisher, Residential New Construction Group / jcalore@hanleywood.com
 Joanna Mott / Group Publishing Support Manager / jmott@hanleywood.com
 Alec Dann / General Manager Online, Residential New Construction Group

Hanley Wood Business Media

Peter M. Goldstone / President / 202.736.3304
 Ron Kraft / Director of Finance
 Nick Cavnar / Vice President, Circulation and Database Development
 Nick Elsener / Vice President, Production
 Andreas Schmidt / Executive Director, e-Media

Published by Hanley Wood, LLC

Frank Anton / Chief Executive Officer
 Matthew Flynn / Chief Financial Officer
 Jeffrey Craig / Chief Information Officer
 Paul Tourbat / Senior Vice President, Corporate Sales
 Brad Lough / Vice President, Finance
 Mike Bender / Vice President/General Counsel
 Bill McGrath / Vice President, Human Resources
 Joe Carroll / Vice President, Corporate Development
 Virginia Jackson / Controller

Editorial and Advertising Offices:

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

Volume 13, number 4, *residential architect* (ISSN 1093-359X; USPS 016-871) is published bimonthly (January/February, March/April, May/June, July/August, September/October, November/December) by Hanley Wood, LLC, One Thomas Circle, N.W., Suite 600, Washington, DC 20005. Copyright 2009 by Hanley Wood, LLC. Opinions expressed are those of the authors or persons quoted and not necessarily those of Hanley Wood. Reproductions in whole or in part prohibited without prior written authorization.

residential architect is sent free of charge to qualified readers involved in the residential home design market. The publisher reserves the right to determine qualification criteria. Out-of-field subscription rates are: U.S., \$39.95; U.S. students, \$19.99; Canada and all other countries, U.S. \$49.95; airmail is additional. Single-copy price is \$10.00. For subscription information write to: *residential architect*, P.O. Box 3494, Northbrook, IL 60065-9831. **Subscription inquiries and back issue orders:** 888.269.8410 / Fax: 847.291.4816. **Reprints:** Wright's Reprints, 877.652.5295. Periodicals postage paid at Washington, DC, and at additional mailing offices. Postmaster: Send address changes to: *residential architect*, P.O. Box 3494, Northbrook, IL 60065-9831. This issue is mailed in regional editions. Canada Publications #40612608. Canadian return address: BleuChip International, P.O. Box 25542, London, ON N6C 6B2.

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

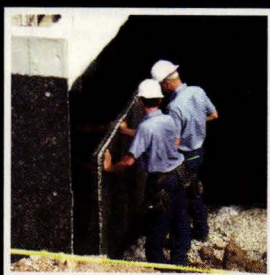
Privacy of mailing list: We rent our subscriber list to reputable companies. If you do not wish to receive promotional material from other companies, please call us, toll-free, at 888.269.8410.



WARNING

**ShockWave™
may cause poured
wall dehydration**

To assure a dry foundation, take pressure off the waterproofing membrane. ShockWave™ drainage board gulps groundwater to eliminate hydrostatic pressure. It stands up to backfill and bulldozers, too. And because it's recycled, it can contribute up to 2 LEED® points. Find out why ShockWave won "Expert's Choice" for Most Innovative Product at World of Concrete 2007.



ShockWave™ Drainage Board

Transmissivity (Flow Rate)	Up to 101.11 gal/hr/lin. ft. (ASTM D-4716)
Permeability	36 gal/min or 2,160 gal/hr (ASTM D-2434)
Compressive Strength	273.72 psi (ASTM D-1621)
LEED® Contribution	Up to 2 Points (MR Credit 4.1)
Content	Cross-linked, closed-cell foam reclaimed from automobiles



Marflex is a Gold Sponsor
of the Green Design Charrette
at Reinvention 2009

For a free sample, 10-part specs and
MSDS data, call 1-800-498-1411 or
visit MarflexBuildingSolutions.com

marflex

Building Solutions

residential architect®

hanley wood

JULY · AUGUST 2009

Advertising Sales Offices

Warren Nesbitt / Executive Director, Residential New Construction Group
Phone 202.736.3328 / Fax 202.785.1974 / wnesbitt@hanleywood.com

Jeff Calore / Publisher, Residential New Construction Group
Phone 202.380.3766 / Fax 202.785.1974 / jcalore@hanleywood.com

Alec Dann / General Manager Online, Residential New Construction Group
Phone 202.729.3576 / Fax 202.785.1974 / adann@hanleywood.com

Joanna Mott / Group Publishing Support Manager
Phone 773.824.2459 / jmott@hanleywood.com

Chicago

Tim Ahlering / Regional Sales Manager / tahlering@hanleywood.com
Mark Cullum / Regional Sales Manager / mcullum@hanleywood.com
Patty Morin / Regional Sales Manager / pmorin@hanleywood.com
8725 W. Higgins Road, Suite 600, Chicago, IL 60631
Phone 773.824.2400 / Fax 773.824.2540

Northeast

Paul Pettersen / Regional Sales Manager
65 Walnut Avenue, Rockville Centre, NY 11570
Phone 516.536.9154 / Fax 516.608.9155 / ppetersen@hanleywood.com

Southeast

Clare E. Stefan / Regional Sales Manager
2090 Dunwoody Club Drive, Suite 106-263, Atlanta, GA 30350
Phone 770.399.9062 / Fax 770.399.9073 / cstefan@hanleywood.com

West Coast

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

Canada

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

Classified Advertising

Janet Allen / Executive Director, Account Management Group / jallen@hanleywood.com
Stacy Okoro / Operations Coordinator, Inside Sales / sokoro@hanleywood.com
Erin Liddell / Account Executive / eliddell@hanleywood.com

Inside Sales Account Executives

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

Online

Edwin Kraft / e-Media Sales Manager
5908 Northern Court, Elkridge, MD 21075
Phone 443.445.3488 / ekraft@hanleywood.com

Subscription inquiries and back issue orders: 888.269.8410 / Fax: 847.291.4816

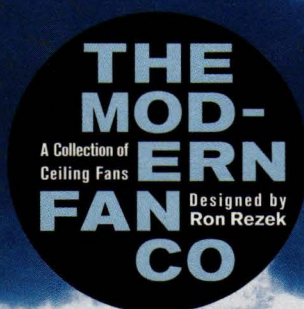
Reprints: Wright's Reprints / 877.652.5295

List rentals: Scott Perillo / 203.778.8700, ext. 132

For a media kit: Janet Allen / jallen@hanleywood.com

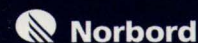
Published by Hanley Wood, LLC

Consciously cool.
modernfan.com



Go to <http://research.hotims.com> for more info

SUB-FLOORING'S NEW SUMMIT



AFFORDABILITY

Pinnacle—the Premium Sub-Flooring at the **right** price

DURABILITY

Pinnacle features a 50 year warranty and 100 day “No Sand” guarantee

SUSTAINABILITY

Pinnacle is the First Premium Sub-Floor available with **either**
FSC or **SFI Chain of Custody Certified Wood**



PINNACLE
PREMIUM SUB-FLOORING

SUSTAINABLE PERFORMANCE

www.pinnacleOSB.com



Go to <http://research.hotims.com> for more info

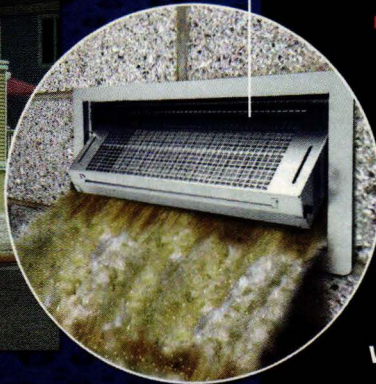
**BEFORE
SMARTVENT**



**AFTER
SMARTVENT**



Available in a
variety of
models and
colors



Less=More Use $\frac{2}{3}$ Fewer Vents

**FEMA Accepted, ICC-ES and Florida
DCA Evaluated Foundation Floodvents**

- Preserves aesthetic beauty of the homes you design by requiring $\frac{2}{3}$ fewer vents
- Each Smart Vent protects 200 sq.ft.
- All stainless steel sustainable construction
- Dual function, natural air ventilation and flood protection
- Models for every application
- **CES Credit in HSW free on-line course**
Visit www.smartvent.com and click on architects for more information.



SMART VENT
FOUNDATION FLOOD VENTS

www.smartvent.com • (877)441-8368

Go to <http://research.hotims.com> for more info

**Change your frame
of reference.**

In the past moment frames were the expensive option when designers wanted narrow wall sections and open floor plans. The Simpson Strong-Tie® Strong Frame™ ordinary moment frame is changing that by offering engineered moment frame solutions complete with anchorage designs. Now designers can spend minutes choosing a pre-engineered moment frame rather than hours designing one. And since the Strong Frame moment frame installs with 100% bolted connections, it is easier for contractors to handle and install.

For more information, see our webinar at www.strongtie.com/sfwebinar.

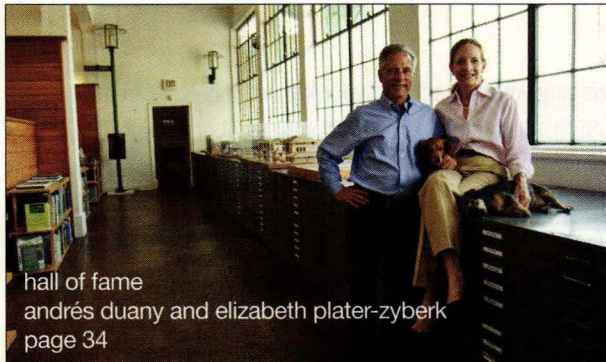
To view and request a copy of the *Strong Frame Ordinary Moment Frame* catalog, visit www.strongtie.com or call (800) 999-5099.



SIMPSON
Strong-Tie

Go to <http://research.hotims.com> for more info

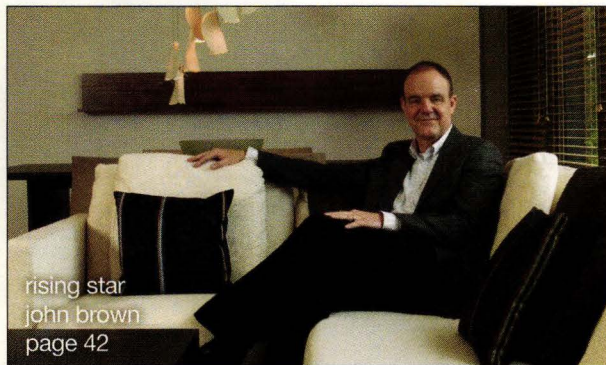
contents



hall of fame
andrés duany and elizabeth plater-zyberk
page 34



top firm
the miller|hull partnership
page 38



rising star
john brown
page 42

Our 2009 Leadership Award winners take residential design very seriously, constantly reinventing the ways we execute and deliver houses and housing. Photos: Danny Turner (top and middle), Todd Korol/Aurora Select (bottom). Cover photo: Danny Turner.



The New, New Reality: Expanding the Architect's Role Through Outreach, Innovation & Collaboration
Register now for the 6th annual Reinvention Symposium—page 10



Call for entries:
Enter your best projects in the 11th annual residential architect Design Awards—page 46

from the editor... page 9

home front... page 12

Have a little extra time on your hands? Peruse some pretty page-turners.

green piece... page 15

Rhode Island's Estes/Twombly Architects learns the finer points of LEED.

green pieces... page 16

Smarter choices for the future.

k + b studio... page 18

At opposite ends of the country, LDa Architects and Minarc discover warm woods are the best way to distinguish a newly remodeled kitchen and bath.



practice... page 23

Perhaps you're among the lucky few with work still coming in the door. But does your luck run out when it's time for your clients to pay their bills? Architects share their gentle shakedown tactics.

cover story... page 34

leadership awards

hall of fame... page 34

For nearly 30 years, DPZ has designed places that captivate the imagination of the American public.

by Meghan Drueding

top firm... page 38

With taste and sensitivity, The MillerHull Partnership has mined the rich lessons of regionalism to build only what is appropriate, responsible, and delightful.

by Bruce D. Snider

rising star... page 42

Inform, serve, and satisfy—that's John Brown's ambitious, three-pronged approach to improving mass-market housing.

by Nigel F. Maynard

shelter lab... page 61

Mithun's field tests for migrant farmworker housing.

doctor spec... page 63

So you want to be a product designer?

new material... page 67

All the new that's fit to print.

workspace... page 72

McKinney York builds green into its new storefront space in East Austin, Texas.

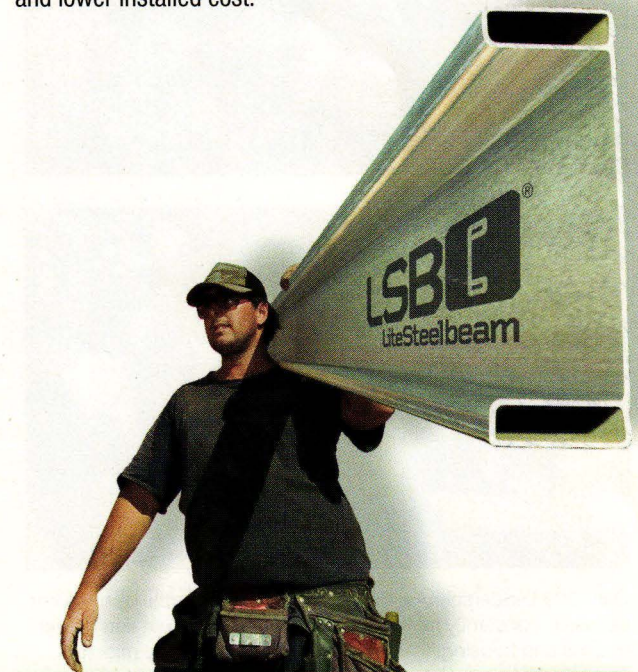
Strength Meets Versatility

Introducing LiteSteel™ beam. A perfect combination of the strength of steel and ease of use of wood.

Simplify your project and your life with LiteSteel beam (LSB®). Available directly from your local pro-dealer, LSB eliminates frustrating delays and saves time and money.

We call it LiteSteel beam for a reason; skip the crane for easy hand placement. LSB is on average 40% lighter than hot-rolled steel beams or engineered wood, but with the same load-bearing capacity. Plus there are no special tool requirements to cut, drill, or fasten LSB. It's just easier to work with—Period.

Specify LSB in your next new construction or remodeling project and get introduced to quicker, easier installation and lower installed cost.



Visit www.LiteSteelbeam.com
or call 1-877-285-2607.

LSB 
LiteSteelbeam

LiteSteel Technologies America, LLC is a OneSteel Group Company

LiteSteel™ beam is a trademark and LSB® is a registered trademark, and are used under license by LiteSteel Technologies America, LLC. US Patent Numbers 5163225, 5373679, 5401053, 10-561185, 11-570937, 11-570942.

©2009 LiteSteel Technologies America, LLC

Go to <http://research.hotims.com> for more info

from the editor

starvation diet

why live on chips and salsa, when you can have the whole enchilada?

by s. claire conroy

There are rumblings of movement in the housing market here in Washington, D.C. We're a good barometer for the rest of the country, because we epitomized the boom and fizzle that undermined the financial stability of the nation. Home values nearly tripled between 1998 and 2006, and they've dropped by 25 percent or more here in the aftermath.

As the beast reawakens, we're seeing the greatest flurry among houses priced below \$500,000—ones in good shape and close-in locations. And there's renewed hope for those languishing houses just under the million-dollar mark. If you aren't familiar with real estate in the nation's capital, you should know that \$500,000 is entry-level for desirable neighborhoods near downtown. In the very best of those neighborhoods, a fixer-upper is roughly \$750,000.

What does a cool million buy here? A spacious, partially renovated older house in a good spot or a flawed, one-off spec house on the brink of foreclosure. As perspective, three years ago a million got you a teardown in the hottest

power-broker enclaves.

Despite the current softness in the market here, we will likely never again see a pro forma that makes million-dollar teardowns worthwhile—for a spec builder or a private buyer who covets a new custom home. With very few undeveloped lots left, restricted lending for the foreseeable future, and trimmed portfolios among the cash buyers, we're looking at a future geared largely to remodeling work. This is true of many mature cities.

While perhaps not as glorious as the custom home jobs architects covet, remodeling is a pretty steady gig. Many of you have found refuge in it during the new-home building catalepsy. And many of you will find remodeling a permanent mainstay of your practices. While this seemed feasible in the go-go days of \$500,000-and-up remodels in places like Washington, now you're looking at the headroom between the \$750,000 fixer-upper and the million-dollar partially renovated house. For that \$250,000, your clients will want a new kitchen, family room, master bedroom and bath suite, and all remodeled baths—plus your fee included. Gulp.



Mark Robert Halper

If you're in a market where the numbers are less inflated, please adjust the math. My point is that the pie is shrinking substantially for everyone involved in gussying up our dowdy existing houses. It sounds more and more like a starvation diet for the residential architect, who never had much of a feast even at the height of the boom. Some of you are adjusting to new economic conditions by lowering your fees and trying to make up the loss with an increase in productivity. But that's a paradigm ill-suited to the attentive, creative nature of custom work.

Architect John Brown, RAIC, this year's Rising Star Leadership Award

winner (see page 42), thinks the answer isn't in taking less for the work you do, but in doing more of the work now claimed by others. He's grabbing as many pieces of that remodeling pie as he can—including the fees for design, construction, and interiors and the profit in furniture sales. What's the most lucrative slice he's taken hold of? The Realtor's commission at the start of it all. Although he has several advanced degrees to his credit, he says it's the best credential he ever earned.

It's a new dawn; it's a new day. **ra**

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

the new, new reality:

Special Events

Housing Tour

The 2009 Leadership Awards

Collaborative Design Charrette

Annual Meeting of the Congress
of Residential Architecture
(CORA)

Brought to you by

residential
architect

Join us for the sixth annual Reinvention Symposium and find out how architects are already redefining the scope, relevance, and capacity of their practices. In the new economy, flexibility, engagement, and a solid grasp on value are all-important. Architects are uniquely poised to retool, rebuild, and reshape their communities from the ground up. In the next productivity boom, architects won't just serve the same dull masters; they'll blaze a new and better path ahead.

EXPANDING THE ARCHITECT'S ROLE THROUGH

Diamond Sponsor

KNAUF INSULATION
it's time to save energy

Platinum Sponsor

PROPANE
EXCEPTIONAL ENERGY®

Gold Sponsors

CertainTeed
Quality made certain. Satisfaction guaranteed.™

DESIGNER DOORS
ARCHITECTURAL HARMONY

KraftMaid
Cabinetry

LASCO
BATHWARE

LP
BUILDING PRODUCTS

marflex
Building Solutions

QE
quality edge



SHERWIN-WILLIAMS

The Tapco
GROUP

TimberTech
Less Work. More Life.

TYPAR
Weather Protection System
A Fibervest Brand

weiland
Sliding Doors and Windows, Inc.

AGENDA AT-A-GLANCE

Monday, September 14

Housing Tour

Welcome Reception

Tuesday, September 15

Keynote Address

"Beyond the Building"

Andrés Duany, FAIA, Duany
Plater-Zyberk & Co. (DPZ)

Panel Discussion

Partnering With Allied Professions

Leadership Awards Luncheon

- Hall of Fame
- Top Firm
- Rising Star

Breakout Sessions

- Architects as Real Estate Agents
- Green, Then and Now
- Citizen Architect
- Big Houses, Little Houses:
Design Meets Demand

Panel Discussion

Using Mass Media to Promote
Good Design

Cocktail Reception

Wednesday, September 16

Panel Discussion

The Big Think

Special Charrette

Greening the McMansion

Co-produced by *residential architect* and *EcoHome* magazines, AIA Seattle, the Congress of Residential Architecture, and AIA Custom Residential Architects Network (AIA-CRAN)

Reinvention Symposium Adjourns

**What Now? A CORA/AIA-CRAN
Forum on Re-imagining Practice.**

Followed by the Annual Meeting of the Congress of Residential Architecture.



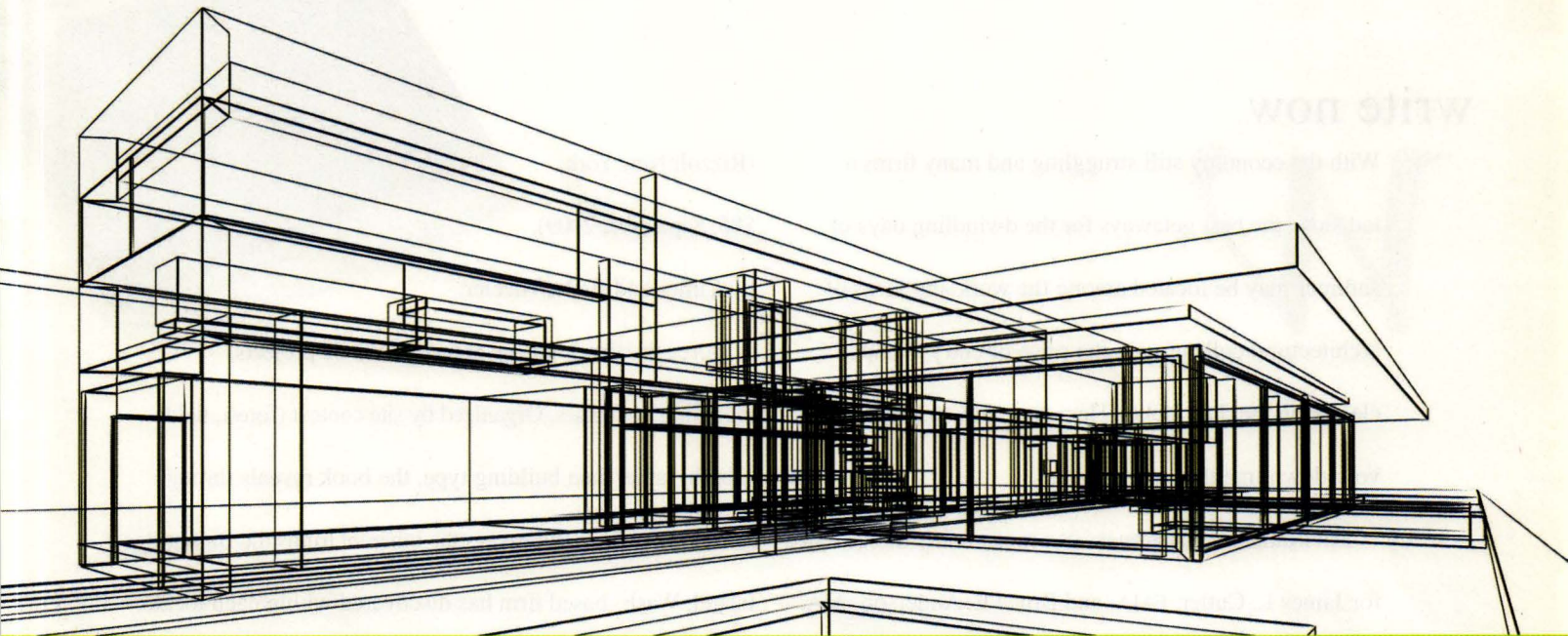
BONUS: Earn up to 16 AIA
continuing education credits
(pending approval)

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON

Reinvention 2009
Designing For The Future

hanleyAwood



OUTREACH, INNOVATION & COLLABORATION

PROGRAM HIGHLIGHTS

Keynote Address

"Beyond the Building"

Andrés Duany, FAIA

What makes neighborhoods truly livable, lovable, and sustainable? DPZ has shown all architects who love houses the road to greater relevance and influence in American housing and American life.

Panel Discussions

Partnering With Allied Professions to Bring New Ideas to Market

Architects are uniquely poised to form collaborative, project-driven associations with complementary professions.

Using Mass Media and Technology to Promote Good Design

Savvy architects are building a market for their talents through the new tools and technologies of mass media.

The Big Think: Engaging Community and Government in Design Solutions

In the new economy, even the sole proprietorship must learn to navigate complex collaborative ventures.

Special Charrette

Greening the McMansion

The deflated housing boom may leave us with a great many white elephants—oversized single-family houses in the middle of nowhere. We'll brainstorm ways to repurpose and transform them for a more viable future.

Confirmed Speakers (7/31/09)

Gary L. Brewer, AIA, Robert A.M. Stern Architects

John Brown, RAIC, housebrand

Andrés Duany, FAIA, DPZ

Jeremiah Eck, FAIA, Eck MacNeely Architects

Steve Glenn, LivingHomes

Robert Hull, FAIA, The Miller|Hull Partnership

Robert Humble, AIA, Robert Humble Architects

Michelle Kaufmann, AIA, LEED AP

William H. Kreager, FAIA, Mithun

Tom Kundig, FAIA, Olson Sundberg Kundig Allen Architects

Erik Lerner, AIA, RealEstateArchitect

Dr. Steven A. Moore, Ph.D., The University of Texas at Austin School of Architecture

Chris Pardo, Pb Elemental Architecture

Michael Pyatok, FAIA, Pyatok Architects

register today reinventionconf.com

home front

news from the leading edge of residential design.

write now

With the economy still struggling and many firms a tad slow, the best getaways for the dwindling days of summer may be located among the work and ideas of architectural colleagues—the price of entry stamped clearly on the dust jacket. Here are a few to help fill your downtime through early fall.

Environmental awareness can mean many things, but for James L. Cutler, FAIA, and Bruce E. Anderson, AIA, principals of Cutler Anderson Architects, it's about listening to the materials they use and the sites for which they design—and revealing the true nature of each through their

architecture. *Searching for True: Cutler Anderson Architects*

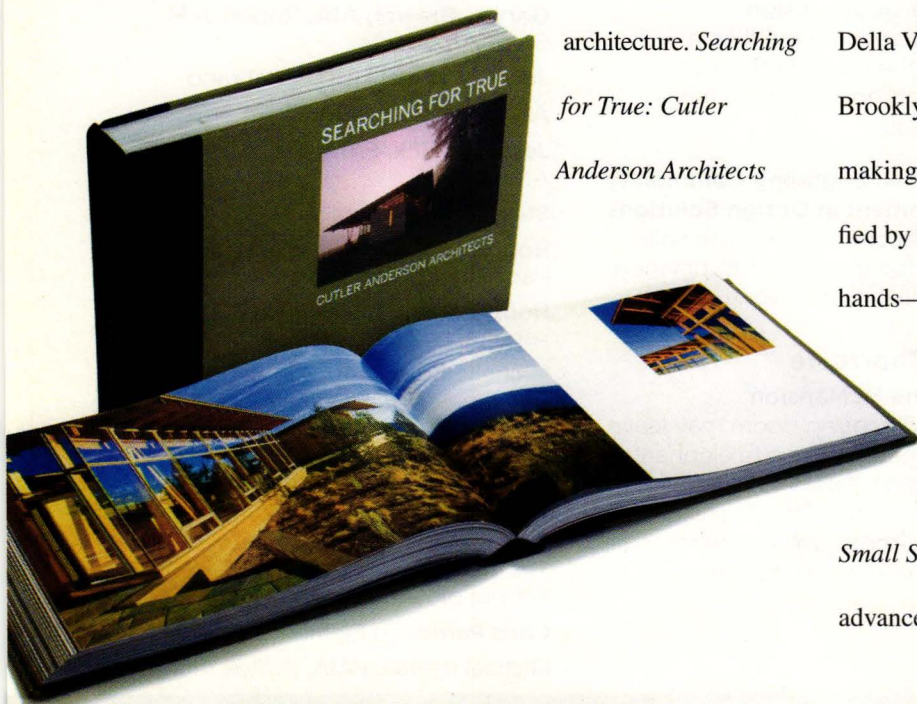
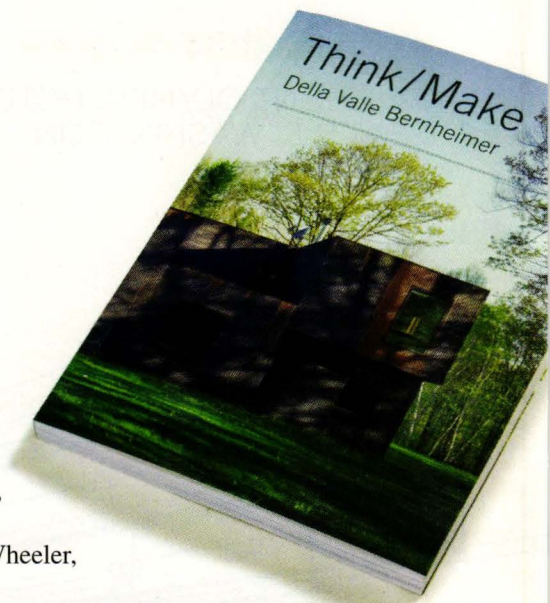
(Rizzoli New York, \$85, September 2009),

by Cutler and Beth Wheeler,

explores the firm's design approach via 22 projects, including 16 houses. Organized by site context (forest, field, suburb) rather than building type, the book reveals through photos, drawings, and essays the inherent truths the Bainbridge Island, Wash.-based firm has discovered within each locale.

For a different, yet equally engaged, approach, pick up *Think/Make: Della Valle Bernheimer* (Princeton Architectural Press, \$40) by Andrew Bernheimer, AIA, NCARB, and Jared Della Valle, AIA, LEED AP, of Della Valle Bernheimer in Brooklyn, N.Y. A continual “feedback loop” of thinking and making fuels the partners' architectural process, as exemplified by the 12 projects shown. For them, thinking with their hands—as well as their minds—leads to better buildings.

Those who thrive on extremes may relate to the experimental architects and designers highlighted in Phyllis Richardson's *XS FUTURE: New Ideas, Small Structures* (Universe, \$29.95, September). Each advances beyond accepted building practices, testing new



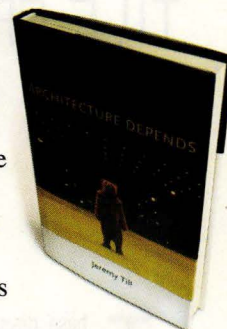
materials and using existing ones in new ways to create structures that explode definitions and perceptions. In essays and photos, the book showcases nearly 50 radical, small-scale projects that straddle the worlds of art and architecture. For more extreme architecture that verges on art, check out *Shigeru Ban: Paper Architecture* (Rizzoli New York, \$65, October). Here Ban delves into his portfolio of innovative paper structures, among them permanent

and temporary houses, exhibition spaces, museums, and disaster-relief projects.

Readers on the hunt for something to challenge preconceived notions and

dearly held ideals may be interested in architect/critic Jeremy Till's *Architecture Depends* (The MIT Press, \$24.95). Till, RIBA, dean of London's University of Westminster School of Architecture and the Built Environment, posits that rather than existing on a plane of perfection above the mess of the everyday world, architecture is shaped by circumstances outside the architect's control, and that architects are in denial about this condition. He proposes a way to bridge the gap, arguing that architects must accept this dependency as an opportunity.

Also available for summer browsing: *Ruin: Photographs of a Vanishing America* (Down East Books, \$65), by Brian Vanden Brink, and *Vernacular Architecture and Regional Design: Cultural Process and Environmental Response*, by Kingston Wm. Heath, Ph.D. (Elsevier Architectural Press, \$80.95).—stephani l. miller



Photos: George Brown

wright then

To mark the 50th anniversary of the completion of Frank Lloyd Wright's most iconic building, the Solomon R. Guggenheim Museum, several publishers have released new titles on Wright's work. They include:

Frank Lloyd Wright: From Within Outward, essays by Richard Cleary, Neil Levine, Mina Marefat, Bruce Brooks Pfeiffer, Joseph M. Siry, and Margo Stipe (The Frank Lloyd Wright Foundation and Skira Rizzoli, \$75)

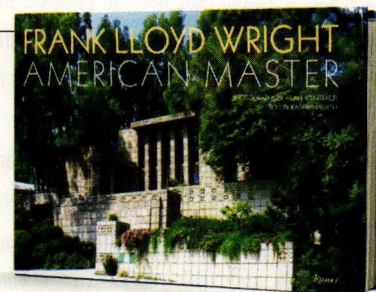
Frank Lloyd Wright: American Master,

text by Kathryn Smith, photography by Alan Weintraub (Rizzoli New York, \$30)

Frank Lloyd Wright: The Heroic Years: 1920–1932, by Bruce Brooks Pfeiffer (Rizzoli New York, \$60)

Frank Lloyd Wright, 1943–1959, The Complete Works, by Bruce Brooks Pfeiffer, edited by Peter Gössel (TASCHEN, \$200)

The Guggenheim: Frank Lloyd Wright and the Making of the Modern Museum, essays by Hilary Ballon, Luis Carranza, Pat Kirkham, Neil Levine, and more (Guggenheim Museum Publications, \$65)



Communities of Frank Lloyd Wright: Taliesin and Beyond, by Myron A. Marty (Northern Illinois University Press, \$45)

Frank Lloyd Wright Revealed, by Rebecca King (Compendium Publishing, \$15)

TILE FROM SPAIN: OUT IN THE OPEN.

These days, outdoor living has taken a quantum leap beyond weekend cookouts and lounging by the pool. It's become bona fide living. What once was just the patio or the backyard has evolved into the "outdoor living room." Traditional outdoor furnishings replaced by high-end furniture, exotic plantings, full kitchens, wet bars, big screen TVs and serious sound systems.

Always the material of choice for kitchen and bath, tile from Spain has made the outward-bound trek — becoming a significant player in dramatic, elegant outdoor living throughout the country. Specifying ceramic tile for outdoor projects makes perfect sense. Consider how well tile weathers the elements. It's inherently durable and tile with little to nearly zero porosity can be specified, resulting in minimal water absorption.

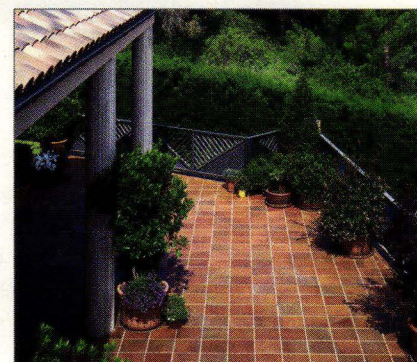
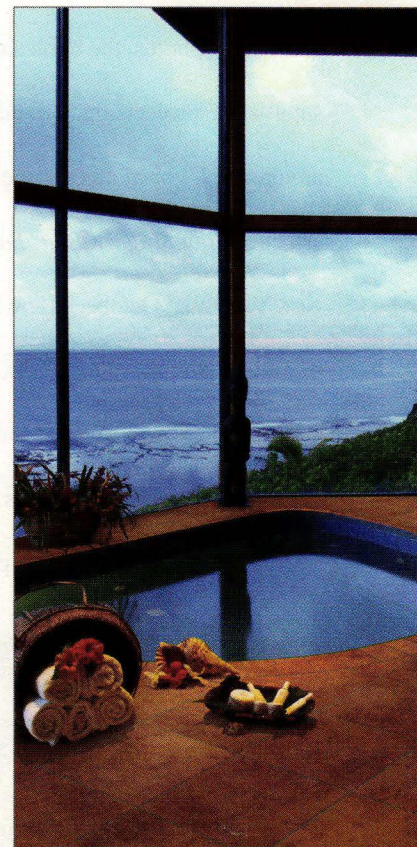
The looks that can be achieved with tile are virtually boundless, giving you the design flexibility to help clients create their own outdoor oasis — an at-home getaway from their hectic lives. If your outdoor design calls for natural or other materials that don't play well with the elements, Tile of Spain branded manufacturers offer tile that mimics wood, stone, metals, textiles and many other surface materials.

Designers and landscape architects today are going all out — inside and out — creating environments that begin indoors by reflecting natural surroundings, and then travel seamlessly to the great outdoors. To stunning sanctuaries that likely include an infinity edge pool and other water features such as fountains, ponds and waterfalls.

Ceramic tile offers unrivaled practicality for the outside world. It's perfect poolside because in wet environments, tile inhibits the growth of mold, mildew, fungus and other organisms. It's also highly resistant to harsh chemicals such as chlorine and bromine. And when it comes to color permanence, bring on the sun. UV rays won't affect ceramic tile at all.

Tile is also a safe bet for outdoor living — especially when it's used around a pool or spa — or any area where slip resistance is key. Tiles are manufactured with a defined and rated anti-slip factor. Aesthetics, practicality and safety. What more could one ask for?

Learn more about how tile from Spain is helping people take on their outdoor world in style. Contact Tile of Spain, 2655 Le Jeune, Suite 1114, Coral Gables, FL 33134. Call 305-446-4387 or email miami@mcx.es.



rhode island scholars

a firm's first foray into leed certification goes swimmingly.

Over the years, Estes/Twombly Architects has designed plenty of environmentally friendly houses. Cross-ventilation, managed stormwater runoff, and natural materials are part of every project that comes out of its Newport, R.I., office. But the architects had never gone through the LEED certification process—until they started designing a Block Island, R.I., home for developer Nick Downes and his family.

Downes and Estes/Twombly are aiming to achieve LEED Gold certification for the project. “The LEED paperwork was quite a bit more work than we initially imagined,” admits principal Peter Twombly, AIA. But the experience has produced multiple benefits for the firm. Now that it has one LEED application under its belt, next time will be easier. And the project spurred a staff member, Joshua Fogg, to become LEED-accredited himself.

Additionally, Twombly was pleased to discover that the LEED requirements permit more design freedom than he had originally expected. “You’re not locked into doing a cubic house,” he explains. “You can do a building with interesting massing and glazing patterns and still meet the LEED criteria.”

The 3,000-square-foot home will perch on a bluff overlooking the ocean. Twombly and his team separated it into three detached pieces to create privacy for the owners’ and guests’ sleeping quarters, which lie on either side of a central, glass-lined living and dining space. By segmenting the plan in this fashion, the architects also encouraged cross-ventilation. Covered breezeways connect the pieces, and a generous pool terrace supplies a scenic outdoor room.

Solar hot water panels will cover the roof of the guest

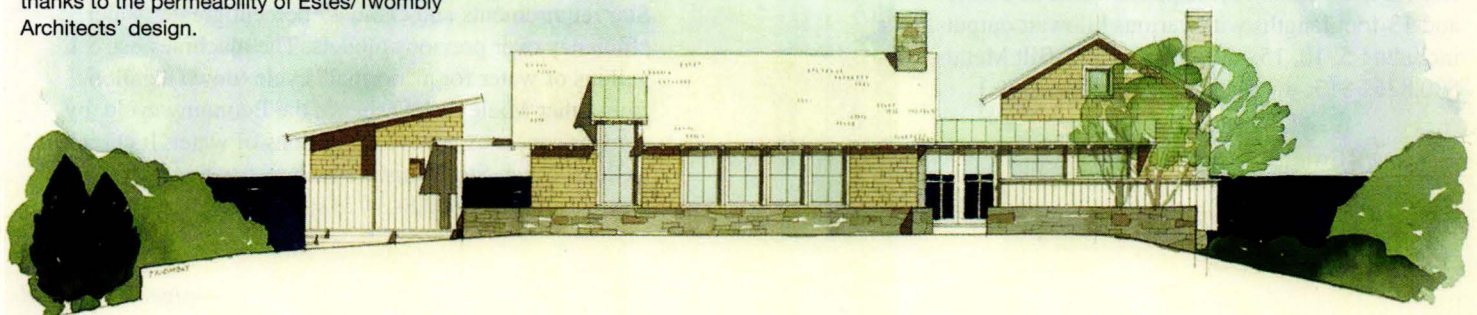


Renderings: studio amd; Drawing: Courtesy Aquidneck Fine Properties

quarters. “We really filled the roof with them so they wouldn’t just be a token gesture,” Twombly points out. The system will warm the pool and domestic hot water, as well as provide supplemental space heating.

An on-site cistern will capture rainwater for irrigation, while foam insulation, a heat recovery ventilator, and an insulated foundation will keep the house toasty during bone-chilling Block Island winters. Construction on the project is slated to begin in spring 2010, with completion anticipated the following spring.—*meghan drueding*

This Rhode Island house for developer Nick Downes of Aquidneck Fine Properties adroitly captures sea breezes and views, thanks to the permeability of Estes/Twombly Architects’ design.



smarter choices for the future.



hot top

Custom-Bilt Metals' FusionSolar system integrates a thin-film solar laminate with a standing seam metal roof, resulting in a turnkey solution that it says is more affordable than traditional roof-mounted solar installations and will pay for itself in 10 years or less (in most cases). Roof panels come in 9-foot and 18-foot lengths with various kilowatt outputs, including 5, 10, 15, and 120. Custom-Bilt Metals, 800.826.7813; www.custombiltmetals.com.

green light

Lutron Electronics' Maestro

eco-minder dims homeowners'

lights; its LED alerts them if

they're conserving energy, too,

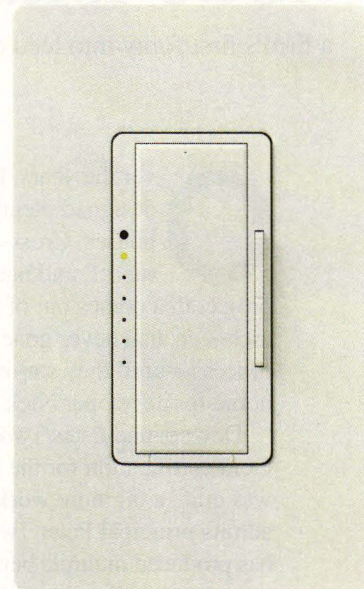
changing from red to green if

energy savings exceed 15 percent.

It's available in white, almond,

and ivory. Lutron Electronics Co.,

888.588.7661; www.lutron.com.



g force

Miele's new G 2002 series dishwashers meet 2011 Energy Star requirements and claim 17 percent greater water efficiency over previous models. The machines use 5.1 gallons of water for a "normal" cycle (down a gallon from other Miele dishwashers); the Economy cycle, by comparison, uses a mere 1.2 gallons of water. It comes in a Clean Touch Steel finish, which resists fingerprints and scratches. Miele, 800.843.7231; www.mieleusa.com.

—nigel f. maynard

**PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM**

Reinvention 2009
Designing For The Future

hanley wood

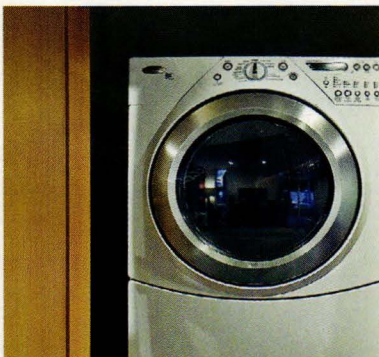
SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Use Propane In Your Next Sustainable Community Project

Propane is clean, efficient energy and originates in North America. Cut carbon emissions and lower dependency on foreign sources of energy by building communities that rely on propane. New, innovative energy technology makes it possible to build green, sustainable homes outside the reach of natural gas, by using propane.



Expanded "Pickens Plan" Includes Propane

One of the primary objectives of the broadly supported "Pickens Plan" is to replace U.S. dependency on foreign oil. 95% of propane is produced in North America, the majority, a byproduct from the production of natural gas.

With the Plan's addition of propane as a domestic source for clean, efficient and readily available energy, builders and architects increase their ability to create green, sustainable housing. Adding propane to the Plan—which originally included only wind and natural gas—is testament to its favorable environmental profile and domestic sustainability.



New Technology Maximizes Propane's Efficiency

New technology is emerging regularly to leverage the environmental and energy efficient benefits of propane. From tankless water heaters to furnaces, fireplaces and radiant floor heating, propane appliances on the market today can provide over 100 points toward the NAHB Green Building Standard.

One such technology is the MicroCHP (micro—i.e. small, Combined Heat and Power) system. A MicroCHP system uses an internal combustion engine fueled by propane to generate heat as well as to power a small internal, electric generator. The heat can be transferred to a central air handler system for space heating or to supply hot water throughout the house. The electricity created by the generator can be used to offset what is supplied by the main utility grid, much like a solar, photovoltaic array is designed to do. The excess electricity that is generated may be sold back to the grid.

PROPANE
EXCEPTIONAL ENERGY®

If you'd like to learn more about how to provide the environmental benefits, efficiency, and comfort of propane to homebuyers, visit **buildwithpropane.com**.

k + b studio

kitchen: perfectly fitting

Few houses survive for nearly 140 years without at least one kitchen transplant. This 1870 Victorian was last remodeled in the 1950s or '60s, says architect Douglas E. Dick, AIA, LEED AP, and was long overdue for another update. While the rest of the house was essentially original, with the high ceilings and elaborate millwork typical of its period, "in the kitchen there was no detail whatsoever," Dick says.

A 7-foot, 6-inch ceiling made matters worse. The house's new owners admired the contemporary unfitted kitchens they had seen in centuries-old European buildings, so Dick responded with a kitchen that, while fixed in place, reads as a contemporary object on display in a traditional setting.

Quartersawn red elm cabinets contrast with the room's cooler elements: white walls, glass panels, and stainless steel appliances and hardware. Three pairs of French doors open the kitchen to the house's side deck (bottom).



Photos: Greg Premru

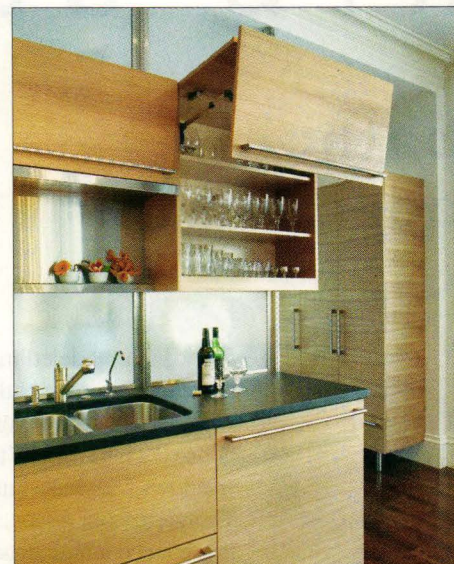
That setting now shares the proportions and detailing of the original house, including crown molding, molded door and window casings, and a dark oak floor. Yet the crisply modern new kitchen stands out in sharp relief against its Victorian backdrop.

Quartersawn red elm cabinets provide a warm contrast to the stainless steel refrigerator, range, and ventilation hood. Above the sink counter, a bank of cabinets floats against a screen of glass panels that transmit daylight from the adjacent mudroom entry. Aluminum tambour doors flanking the range conceal deep counter-height storage compartments. The owners "really prize a neat, put-away appearance,"

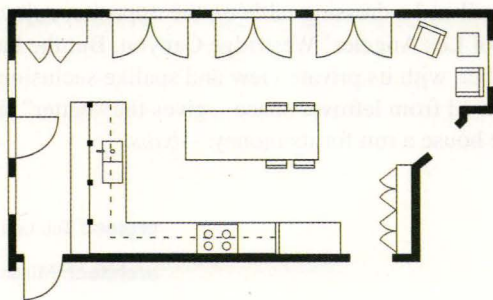
Dick says, and the convenient storage promotes clutter-free counters.

At the center of the room stands an island that spans a drawer base and a pair of stainless steel legs. Its rift-sawn elm top—whose grain presents a swirling variation on the more disciplined theme of the cabinet veneers—serves as both a work surface and a table for casual meals. Like the kitchen as a whole, "It appears as if it could be lifted out and taken away," Dick observes. But not just yet.—*bruce d. snider*





Semi-fitted cabinets allow this new kitchen to float inside a traditional space. An island top of rift-sawn elm contrasts with the quieter grain of the casework. Vertically hinged upper doors align with the drawer layout below. A translucent screen of etched glass panels defines an adjacent entry/mudroom, where an armoirelike coat closet provides a visual link back to the kitchen.



project: Cambridge Contemporary, Cambridge, Mass.

architect: LDa Architects, Cambridge

general contractor: F.H. Perry Builder, Hopkinton, Mass.

resources: countertops: Vermont Structural Slate Co.; dishwasher: Miele; doors: Pella Corporation; hardware: Ashley Norton, Blum, Häfele America Co.; kitchen fittings: KWC America; kitchen fixtures: Franke Consumer Products; lighting fixtures: Tech Lighting; range and hood: Wolf Appliance; refrigerator: Sub-Zero

k + b studio

bath: open season

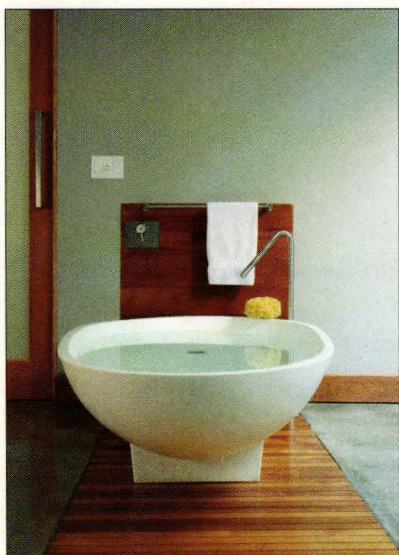
Part of a remodeled master suite, this earthy, serene bath occupies what was once the worst spot in the house. "There weren't a lot of windows," says designer Tryggvi Thorsteinsson, Assoc. AIA, and those faced a high concrete retaining wall. To open the room to the outdoors, Thorsteinsson and Minarc co-principal Erla Dögg Ingjaldsdóttir, AIA, Assoc. IIDA, repurposed the neglected space between the building and wall as a vest-pocket courtyard with a fountain. A wall-size sash lifts to incorporate the space into the bathing area. "It's a 10-foot-by-9-foot single-hung window, basically," Thorsteinsson explains.

Inside, the palette consists of materials that would fare equally well outdoors: concrete, glass, porcelain, and teak. "We tried to use all materials in their natural form, if possible," says Thorsteinsson, who matched the concrete floor with a concrete stucco finish in the steam shower and defined bathing areas with flush panels of teak decking. The same wood climbs up from the floor to form a backsplash at the tub and a full-width bench in the shower's glass-roofed corner window bay.

An adjoining space, lined with a vanity cabinet on one wall and a dressing table on the opposite, enjoys a view of Los Angeles' Westridge Canyon. But the bath chamber, with its private view and spalike seclusion—all carved from leftover space—gives the "better" side of the house a run for its money.—*b.d.s.*

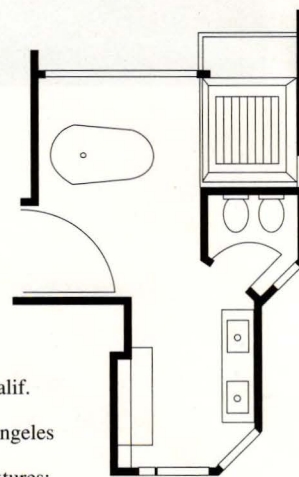


This master bath remodel appropriates an existing concrete retaining wall as the backdrop for a small courtyard, capturing space and light that had gone to waste.



Photos: Art Gray

Inset panels of teak define the room's bathing areas. Here, the material forms a skirt and backsplash for the freestanding bathtub.



project: Tub Living, Los Angeles

architect: Minarc, Santa Monica, Calif.

general contractor: Owner, Los Angeles

resources: bathroom fittings and fixtures: Boffi USA; hardware: FSB USA

DELTA®

DELTA® protects property. Saves energy. Creates comfort.

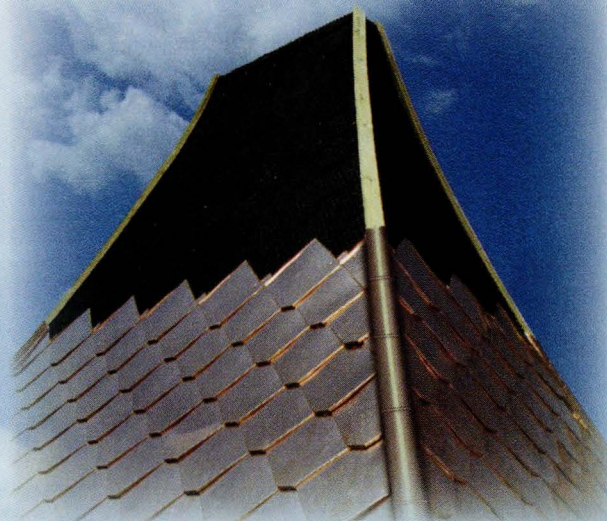
DELTA® ROOF UNDERLAYMENTS

New Ideas For Better Roofs.™

COSELLA DÖRKEN



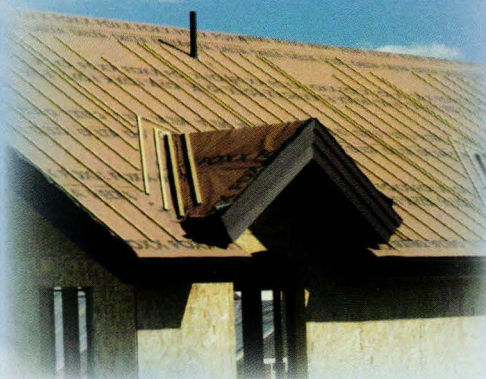
DELTA®-MAXX TITAN
Warm in winter! Cool in summer!



DELTA®-TRELA
The optimum underlay for metal-clad roofs.



DELTA®-VENT S
Highly breathable underlayment for maximum security.



DELTA®-FOXX
The most advanced breathable roof underlayment on the market.



DELTA®-ROOF
The tough, long lasting underlayment for asphalt shingle roofs.

Go to <http://research.hotims.com> for more info

1-888-4DELTA4 (433-5824)

www.DELTAROOFFUNDERLAYMENTS.com

INSPIRE[®]

ROOFING PRODUCTS



only blended color tile in the industry : : **class A fire rating**



We innovate for a living. That's why InSpire Roofing delivers the next generation of composite slate roofing that captures the natural beauty of slate. InSpire is easy to install and meets premium performance and testing standards. Backed by a limited lifetime warranty and the largest color palette in the industry, InSpire Roofing is quickly becoming the roofing material of choice for contractors and builders. We innovate for a living and manufacture products that will work hard for years to come. Innovate today.



Innovation Born from Original Thinking™

www.theTapcoGroup.com

Go to <http://research.hotims.com> for more info

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

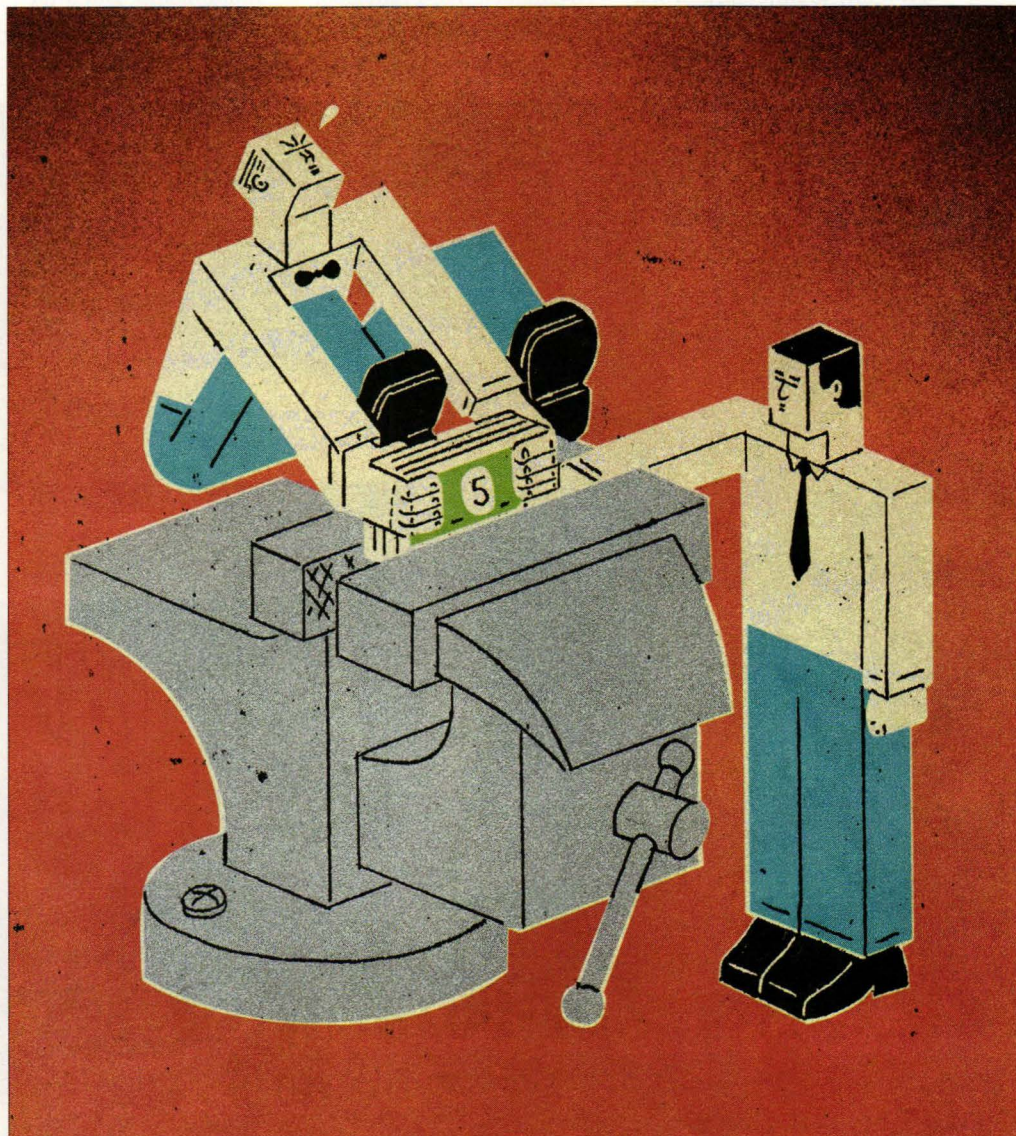
paid in full

with their clients caught in the credit vise, architects learn the fine art of bill collection.

by cheryl weber, leed ap

Midway through year two of the grimmest recession in decades, many architects are wondering where their next projects are coming from. Across the spectrum of project types—from large public commissions to private homes—the pickings are slim. But those lucky enough to still have clients—and the staff to serve them—are faced with yet another worry: how to collect payment for work completed. Chasing down debt is unpleasant, and it's a task architects are doing more of these days. Until the banking industry regains its footing, the reality is that many clients are dealing with shrunken or frozen credit lines—or worse, bankruptcy.

Getting paid requires constant vigilance even in good times. It's accounting 101, the topic on tap at industry conventions and business round tables. But these days, the standard advice—ask for a retainer up front, bill promptly for services rendered, and work only with clients you trust—is no guarantee of solvency. Now, previously reliable patrons are months



David Plunkert

behind on their payments. That leaves design firms, particularly those who've maxed out their own credit lines, in financial limbo and straining to cover operating costs. Residential architects are many things to many clients, but banker is a role no one wants.

If it's any consolation, almost no one is immune from the economic fallout. There's the sense that we're all in this together. So, as we wait for the tide to turn, what's an architect to do? Everyone wants the job to go on. Even a token paycheck is better than none.

But with lending at a virtual standstill, what does it mean to be resourceful in your various financial relationships? And when it comes to debt collection, what's the right balance between persistence and patience? This is no time

continued on page 24

practice

to burn bridges, after all. A fine line must be walked.

trickle-down economy

At many architecture firms, work was continuing apace

until a year ago, when the mortgage crisis turned the credit markets to ice. A recent phone call to Steven House, AIA, House + House Architects, San Francisco, found him penning a

reminder to a client that an invoice was six months past due. The delinquent client is a developer with whom the firm has a solid 20-year relationship. But after working together on two

successful resorts in Honduras, the third one has stalled. "He began the project right when the economy started turning and has sold only two units this year," House says. "It couldn't have launched at a worse time."

As House tells it, after he sent out the \$30,000 invoice for completed working drawings, months went by. The developer promised to send \$10,000, but more time passed. House got on the phone again and negotiated a payoff of \$5,000 increments. Recently, with the balance down to \$7,500, the client offered to pay \$3,750 and the other half the following week. But no checks have arrived. "I think architects need to realize that the developers, who in many cases are their primary clients, are in the same boat that architects are in," House says, adding that a two-way phone conversation is more effective than a letter. "You don't want to create an adversarial situation, so you're as patient as possible," he explains. While it's frustrating to get paid in small chunks, these are unusual times. The bill will eventually be paid off, House adds, and there will be no hard feelings.

A similar scenario is playing out at GYMO, an architecture and engineering firm in Watertown, N.Y. One bright spot in this town, near the Canadian border, is the demand for new army housing at Fort Drum. "We aren't seeing a

continued on page 27

eastern
white pine

sustainable
versatility

CHARACTER BUILDING

Designing with Eastern White Pine is character building.

It is a reflection of who you are, how you choose to live and your commitment to authenticity. To learn more about designing with eastern white pine visit www.easternwhitepine.org. *Will your next project have character?*

Questions? Ask NELMA.

www.nelma.org

NELMA®

Go to <http://research.hotims.com> for more info



Earn
FREE AIA
credits
now.

Access courses and get
your 2009 Continuing
Education credits FREE online.

ARCHITECTCES

architectCES.com

Hanley Wood University—The Leading Providers of AIA Accredited Courses

Start earning your required CEU credits quickly and easily today. Hanley Wood University offers a continually updated library of AIA-approved CEU coursework, available to you for free at **architectCES.com** and in the pages of *ARCHITECT*, *residential architect*, *ARCHITECTURAL LIGHTING*, *eco-structure* and *metalmag*.

To learn more, contact Jennifer Pearce at jpearce@hanleywood.com

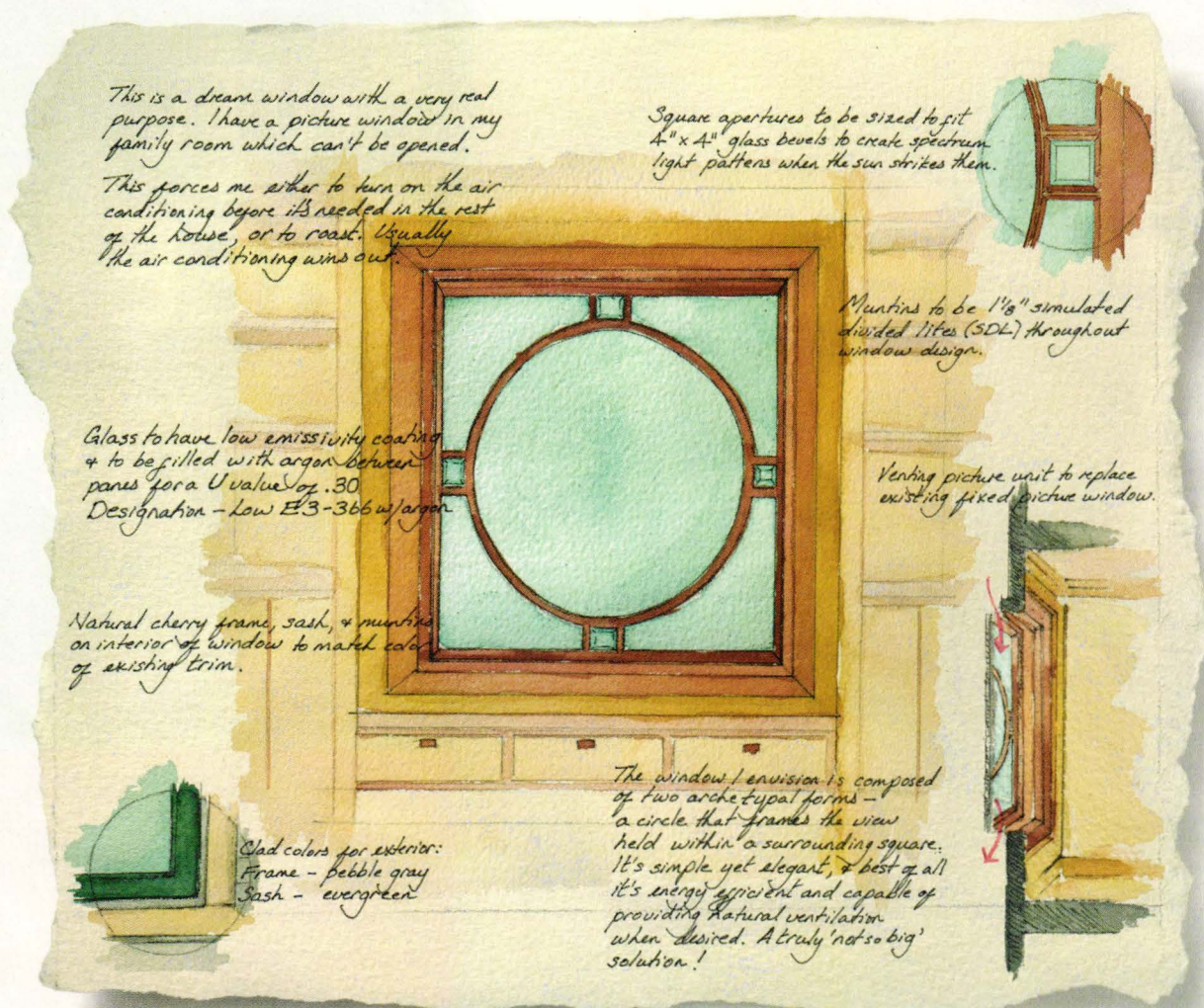
HANLEY WOOD UNIVERSITY
WHERE CONSTRUCTION MEETS EDUCATION



Course Features

- Instant Certification
- Fun and Interactive
- Pause and Save Tests
- Immediate Feedback and Test-Grading
- Multiple Course Management and Tracking

If you could design your dream window,
what would it be?

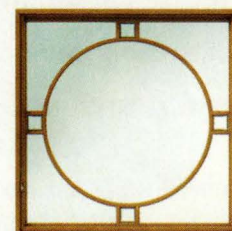


myMarvin by

Sarah Susanka

Sarah Susanka, FAIA
architect/author The Not So Big House series

Create something uniquely yours. With windows and doors built around you.
And your clients. For inspiration from the myMarvin Project artists, the latest
home design trends, or all the new products, go to **myMarvin.com**



MARVIN 
Windows and Doors
Built around you.®

Go to <http://research.hotims.com> for more info

©2009 Marvin Windows and Doors. All rights reserved. ®Registered trademark of Marvin Windows and Doors. 1-800-236-9690

decrease in billables, but we are seeing an increase in receivables," says principal Stephen W. Yaussi, AIA, LEED AP. That's because most of the work is being done off-base and with private developers, at least three of whom owe the firm money. They say the financing they counted on is not there.

"Some of them we believe will come through in the long run, but others we're worried about," Yaussi continues. "We sent our smaller clients to collection agencies, but you're not going to do that

"developers are in the same boat that architects are in. you don't want to create an adversarial situation, so you're as patient as possible."

—steven house, aia

for a big developer who owes you six figures." Until the lending situation thaws, several of his clients are chipping away at their bill.

One defensive strategy is to break up payments into small chunks to reduce the amount left on the table if a

client shuts down the project, suggests Daniel R. Long, RA, NCARB, of Daniel R. Long Architect + Associates in Geneva, N.Y. Another is to drill clients on the importance of speaking up when they're troubled

continued on page 29

laying down the law

It's basic, but it bears repeating these days: The best way to ensure payment is to vet clients carefully. Check references and credit scores, and study a prospect's website for signs of substance and longevity, advises Irvine, Calif.-based attorney Randy Koenig, who represents architects and engineers. A red flag is the architect's cue to either walk away quickly or be extra vigilant by demanding a larger retainer and billing more frequently. Here are Koenig's other fundamentals for collecting what's due.

Rule No. 1: State in the contract that you'll suspend work if the client fails to pay in the agreed-upon time frame, and that interest—say, 1.5 percent per month—will accrue on overdue invoices. Putting it in writing sets the tone that your client is on the hook for services rendered. A caveat: "In a one-off relationship, I'd definitely ask for the interest. But things are so tough, I would waive it for good clients," Koenig says. "Then you generate good will by giving up something."

Rule No. 2: The contract should also

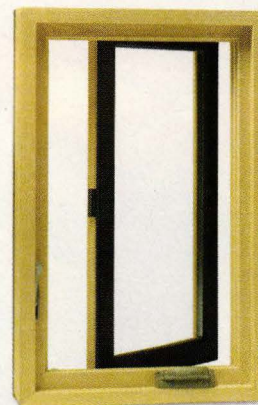
spell out that clients who don't pay forfeit the right to use the plans. "That's our leverage, and the law," Koenig says. "In addition to the breach of contract, the owner is susceptible to copyright infringement charges. That carries a pretty severe penalty, and owners don't want to be in that position."

Rule No. 3: Bill at least every 30 days, maintain a "short fuse" on receivables, and enforce the interest charge, when appropriate. "Don't give the client the opportunity to say, 'I never thought it would cost this much,'" Koenig says.

Rule No. 4: To head off the inevitable offensive move, the contract should specify the outstanding amount—\$50,000, \$75,000, \$100,000—that will trigger mediation or arbitration. "If you start writing threatening letters, the firm becomes susceptible to a cross-complaint," he explains. "That's the ultimate leverage a client has."

In short, he says, being proactive is the best defense, and that includes "keeping up a rapport and the expectation that you'll get paid"—let's hope sooner rather than later. —C.W.

The new Ultimate Casement Collection.
Inspired by you.



C Countless Design Options.



L Large Sizes - Ultimate Performance.



E Ease of Installation.



A Any Application.



R Revolutionary Wash Mode.

The difference is C.L.E.A.R. Thanks to the new innovations that came from our research with architects. See it in action at marvincasement.com

MARVIN
Windows and Doors
Built around you.

©2009 Marvin Windows and Doors. All rights reserved.
®Registered trademark of Marvin Windows and Doors.
1-800-236-9690



StaLok®



CableTrellis™



DesignRail®



Lightline®

Easy.

Easy to install.

Easy to maintain.

Easy on the eyes.

Our stainless steel cables are simple to assemble, effortless to maintain, and virtually transparent.

And with our special QuickConnect-SS fittings, they're easier than ever to install.

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



CABLE·RAIL®

Architectural Cable Assemblies
Go to <http://research.hotims.com>
for more info

feeneyarchitectural
PRODUCTS®

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

about how things are going. That discussion heads off accusations about the quality of work as an excuse for not paying the bill. "We've had to play chicken with a few clients to obtain payment prior to sending out drawings for permitting," Long says. "It's a hard thing to do, but the good clients don't question it."

Since last fall, collections have been a problem across all project types at Grew Design, an architecture and construction management firm in Woodbury, Conn. Lump-sum payments are almost a rarity these days. A private client who lost his Wall Street job is honoring a stretched-out installment plan for design work on a major house renovation. Two developers are also paying in increments each month, hoping to refinance to free up money. But a third has "just plain bailed. We'll have to pursue collection or suck it up and say, Is it worth the time and effort?" says CEO Milton Gregory Grew, AIA. Either way, it will take each of his three other clients a year to pay back the money they owe. While he waits, Grew has had to borrow money to make payroll.

The banking sector troubles are a nightmare for homeowners-in-waiting too. When IndyMac Bank was seized by federal regulators last spring, one of Grew's clients received a phone call assuring him that his construction loan was intact. The client hasn't seen a dime since.

"in a one-off relationship, i'd ask for the interest. but things are so tough, i would waive it for good clients. then you generate good will by giving up something."

—randy koenig

Meanwhile, work on the roughed-in, 12,000-square-foot house is at a virtual standstill. "They're trying to keep one lonely super-intendent puttering there," Grew says, while they figure out other options.

holding pattern

With one eye on their frayed balance sheets, architects are also scrambling to keep the cash flowing. Last fall and into the dark first quarter of 2009, as consumer confidence plummeted and projects went on hold, many firms were forced to trim staff. While some reductions do help staunch the bleeding financially, layoffs also mean fewer bodies and fewer billable hours from which to pay fixed expenses, such as the mortgage, utilities, and liability insurance.

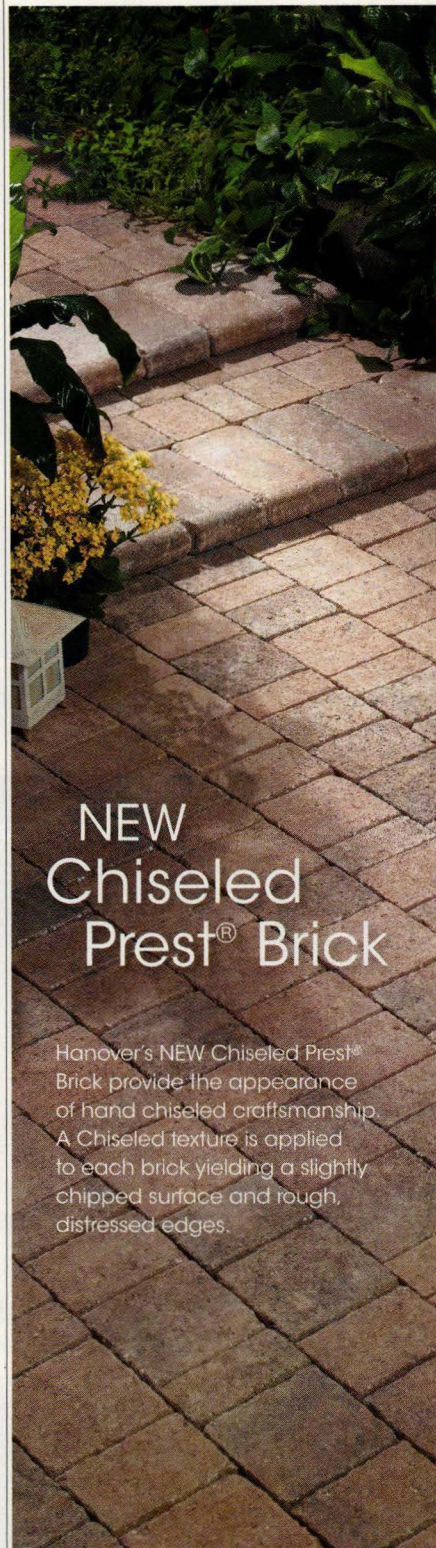
With receipts down, House is reviewing his firm's fixed costs line by line. "Working with our accountant last year, we made a chart and tracked every penny to determine where to cut costs." He and co-principal Cathi House reduced monthly expenses by 25 percent

by making operational changes, such as delaying equipment and book purchases and switching to less expensive phone and Internet service providers.

Hearing rumors that banks might shut down lending, some architects stored up cash by emptying out their credit line accounts while they still could. "We just took a chunk, figuring it would be enough to help us weather the storm but not so ridiculous that the payments would sink us," Grew says. And at a time when others are lowering their fees to get work, his firm is charging 5 percent more to help cover costs.

Cultivating a relationship with a fiscally healthy lending institution is another survival strategy. When he needed to finance the construction of a small building for his firm last fall, Dan Shipley, FAIA, of Dallas-based Shipley Architects, bet that the local community bank was a safer place to borrow from than a debt-ridden megabank. He's happy he did. "I was hearing about credit markets drying up

continued on page 31



NEW Chiseled Prest® Brick

Hanover's NEW Chiseled Prest® Brick provide the appearance of hand chiseled craftsmanship. A Chiseled texture is applied to each brick yielding a slightly chipped surface and rough, distressed edges.

HANOVER®
Architectural Products
www.hanoverpavers.com
800.426.4242

STONECRAFT

I N D U S T R I E S™

Texture for Living.™



100 ft without repeat :: rugged detail :: green product



At StoneCraft, texture is our building block. Our stone veneer delivers the grace, charm, and powerful feel of stone. Backed by a limited life-time warranty, StoneCraft is manufactured for endurance and beauty. So, be rugged. Be stylish. Be ornate. StoneCraft completes your vision with a Texture for Living.

The Tapco®
GROUP

Innovation Born from Original Thinking™

www.theTapcoGroup.com

Go to <http://research.hotims.com> for more info

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

and was concerned that even if my bank could continue to make loans, the terms might not be the same," Shipley says. "But they were, because the bank is prudent and hasn't gotten itself overleveraged. I deal with the bank president; he knows and cares about us."

With snipped credit lines becoming commonplace, architects are resorting to unusual business arrangements that let clients temporarily keep their hard-to-come-by cash. As a sole proprietor, Kenneth Crutcher, RA, Crutcher Studio, Farmington, Mich., is more nimble than larger firms. He's agreed to delay billing on a low-income, market-rate housing project until his client's tax credit financing comes through. "He couldn't provide us with a retainer, but we're going ahead anyway, figuring that funding will be there when the job is done," says Crutcher, who teaches part-time in Lawrence Technological University's College of Architecture and Design. With the Detroit area's economy in the deep freeze, he'd also consider a barter: a portion of his design fee in exchange for an ownership stake in a future development project.

Diversification—a classic plan for maintaining a financial lifeline when the economy sours—may be less effective this time around, but it helps. When investment banks began to crumble last year, Rogers Marvel Architects, New

"the developer couldn't provide us with a retainer, but we're going ahead anyway, figuring that funding will be there when the job is done."

—kenneth crutcher, ra

York City, quickly cut 10 percent of its staff to conserve cash. Now that most residential work has stopped or slowed, the partners have a backlog of institutional and government projects. Still, they haven't completely avoided collection woes. A housing developer owes the firm for design work on a 20-acre mixed-use master plan in Jersey City, N.J. "He's not seeing any roll of his property, so he's going to be out there for at least a year," explains principal Jonathan Marvel, AIA. "There's simply no cash flow at his end, so we're being patient."

affirmative action

As Marvel suggests, architects who maintain positive business relationships in difficult times may find those bonds strengthened when recovery takes hold. It's a principle that Irvine, Calif., attorney Randy Koenig says works for his architect clients. "View client relationships as a partnership you share in good times and tough times," says Koenig, a partner at Koenig Jacobsen,

which has a second office in San Diego.

To minimize exposure, Koenig recommends continuing to work with trustworthy clients who owe you money, if you can, but only on small projects. Another collection tactic: Offer a free service on a new project in exchange for getting paid on an old one. "You're extending more good will with the understanding that you will get paid on the old stuff," Koenig says. "It worked for my client." The advice may seem counterintuitive, but it not only kept both parties busy, it also kept them in contact and created a little psychological leverage. In times like these, he says, "you have to go for the creative solution."

Of course, the surest way to get paid is to choose projects with care. In the overbuilt Phoenix market, two of Circle West Architects' large jobs went on hold this year. But the Scottsdale, Ariz., firm hasn't been left holding the bag. To avoid that fate, principal Peter M. Koliopoulos, AIA, tries

continued on page 33

NEW Square Edge Prest® Brick

Produced with a non-beveled edge, Hanover's NEW 4"x8" Square Edge Prest® Brick offer the look and durability of clay pavers at a fraction of the cost. Russet Blend, a rich reddish-brown hue, is Hanover's newest color.



HANOVER®
Architectural Products
www.hanoverpavers.com
800.426.4242

WEATHER SHIELD PREMIUM WINDOWS & DOORS



EnergySmartSolutions™



© 2009 Weather Shield Mfg. Inc.

FEATURING **Zo·e·shield®**
Built Better to Reduce Energy



New Rules? Game On.

Today's requirements for healthier, greener, more energy efficient homes have changed the rules of the game. And with LEED®, ARRA, ENERGY STAR®, local standards and national codes, the playbook is getting bigger and bigger. To stay on top of your game, you need EnergySmart Solutions from Weather Shield. Weather Shield makes it easy by offering windows and doors in a variety of material types-- all with our exclusive Zo·e·shield glass and real warm edge spacer system. Best of all, each product line performs as beautifully as it looks, meeting and exceeding today's most stringent performance criteria.

So go with a game changer. Specify EnergySmart windows and doors from Weather Shield. Visit us online at www.weathershield.com or call 1-800-477-6808.

Go to <http://research.hotims.com> for more info

to keep one eye on local conditions, gauging them against what his team members are being asked to design. "We have a pretty strong awareness of what we can reasonably build and sell condos for, and what apartments can be leased for," he explains. "We [strive to] have a good discussion with clients about time frame, how they'll brand and present it to the public, and how they'll structure their financing." A solid prospect right now is troubled construction projects, at various stages of completion, being snapped up for a fraction of the price they would have brought a year or two ago. "The strategic design thinking from two years ago doesn't necessarily align with what's going on now," Koliopoulos says. "We help developers evaluate the design and suggest something that better meets current conditions."

About those current conditions: The architecture profession is witnessing historic lows in billing activity. But a tiny bit of encouraging news came recently when The American Institute of Architects' Architecture Billings Index—a monthly work-on-the-boards survey—detected a creep up in new project inquiries. The housing market is still anemic, to say the least. Although no one is having an easier time walking out of a bank with a loan, some see an uptick in activity stemming from

"we have a pretty strong awareness of what we can reasonably build and sell condos for ... and have a good discussion with clients about time frame, how they'll brand and present it to the public, and how they'll structure their financing."

—peter m. koliopoulos, aia

federal stimulus money and rising consumer confidence. People with cash are seizing the chance to get a project done quickly and inexpensively.

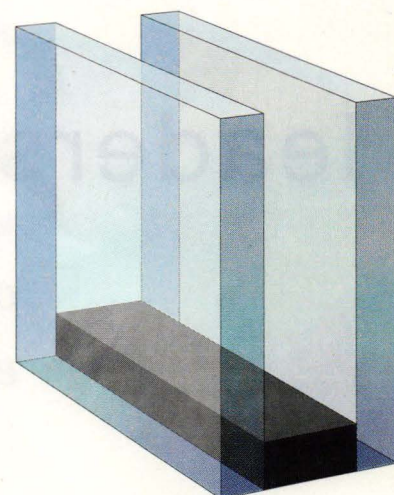
"January and February looked very bleak; we just barely had enough work to get by," says Grew, who is down to four employees from seven a year ago. "But a funny thing happened in the past few months. The phone literally has started ringing. We have a fair amount of work already in place. Fortunately, it's clients with cash who are calling; these are not people who are dependent on lending." One new client is taking advantage of the slow period to design a home, which he'll put off building until later. Another is building a "big guys' room" in which to hang out and store his Porsches, Grew says.

Work has also picked up for Yaussi, thanks to new stimulus money for U.S. Department of Housing and Urban Development-

sponsored housing. "Our first quarter, nothing was coming in the door, but now we've gotten about 35 RFPs from a dozen housing authorities around the state," he says.

In this period of scarcity, competition is up too. Architects must work smarter, and that means making themselves as valuable as possible to clients. For Circle West, that has meant investing heavily in Building Information Modeling (BIM) software in order to integrate sustainable design more thoroughly into its projects and provide clients with energy-modeled options. As a result of using BIM, Koliopoulos says the firm can design a building better and more quickly than it could a year ago.

"We all hope this is going to get better," Koenig adds, "and we say that most of our work comes from our good clients, so we have to keep them happy. But you have to stay in business, too, and that takes creativity." **ra**



The World's Best Energy Glass

What makes Weather Shield Windows and Doors EnergySmart? The key is Zo-e-shield®. This remarkable glazing system is proven to repel solar radiation, so you can save up to 30% on energy costs while reducing heat gain by up to 75%. Zo-e-shield glass can even reduce harmful UV rays by up to 99.9%, providing a healthier, brighter home and protecting home furnishings from fading. And with EasyCare® glass, the windows virtually clean themselves, using the sun's energy to break down dirt and remove water spots.

Get EnergySmart with the line of windows and doors that meets the 2010 ENERGY STAR® guidelines today. Visit www.weathershield.com or call 1-800-477-6808 for more information.



EnergySmartSolutions™

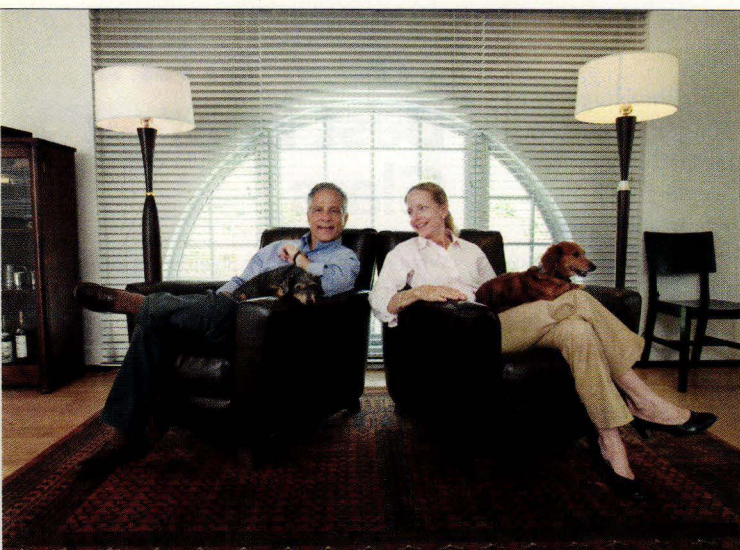
Weather Shield® Premium Windows & Doors

© 2009 Weather Shield Mfg., Inc.

Go to <http://research.hotims.com> for more info

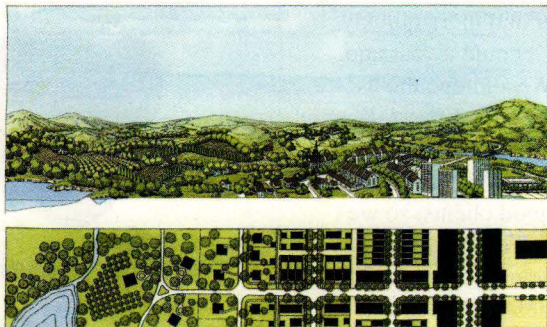
2009 leadership awards

*our annual editors' choice awards celebrate
exemplary achievement in residential practice.*



Danny Turner

Andrés Duany (with Elizabeth Plater-Zyberk) has popularized the concept of an urban planning transect (below) as a way of illustrating the transitions between rural and urban areas within a region.



Renderings: Courtesy Duany Plater-Zyberk & Co.

hall of fame:

**andrés duany, faia, and
elizabeth plater-zyberk, faia, leed ap**

*duany plater-zyberk & co.
miami*

an authentically visionary firm, dpz reshapes
the way people live, work, and play.

by meghan drueding

When he talks about the concept of time, Andrés Duany, FAIA, takes on the enthusiastic manner of a star physics student. "Time is a fascinating fourth dimension that is so exciting to me," he says. "The present is irrelevant—it's actually confusing." As a planner, he explains, his role is to think about what a place will be like 10, 20, or even hundreds of years down the line. "Planning is all about the future," he adds. "Time is an ingredient we have that architects don't."

Duany and his wife and partner, Elizabeth (Lizz) Plater-Zyberk, FAIA, LEED AP, have been pondering the future for more than 30 years. Although they trained as architects (and still design buildings occasionally), they realized early on that the best way to affect the long-term built environment was to plan. So the Miami-based duo planned the Florida town of Seaside—still their most famous project—and then hundreds of neighborhoods, towns, and regions, all under the rubric of Duany Plater-Zyberk & Co. (DPZ). And they and four colleagues co-founded the Congress for the New Urbanism (CNU), in whose pedestrian-friendly principles all of their planning is based. Through both avenues, the couple have altered the public's perception of what responsible planning and development can achieve. New towns, suburban retrofits, and even revitalized city neighborhoods—the very existence of these contemporary project types owes a massive debt to DPZ.



Photos: Steven Brooke Studios

Picturesque cottages and townhouses line the streets of Seaside, Fla., one of DPZ's earliest projects. Its form-based codes, mix of unit types, and use of vernacular architecture became staples of the firm's work.

auspicious beginnings

Long before they were New Urbanists, Duany and Plater-Zyberk sought out urbanity. Born to Cuban parents, Duany grew up in Barcelona, Spain, one of the world's great cities. Plater-Zyberk is the daughter of a Polish architect who immigrated in mid-career to Philadelphia's Main Line suburbs, a classic example of transit-oriented development. "We took the train to everything we did—to the dentist, the swim club, the Academy of Music," she recalls. She and Duany met as undergraduates at Princeton University in the early 1970s and moved on to Yale University for architecture school, where they met one of their foremost mentors, the art historian Vincent Scully. After Yale, both briefly worked in major cities—Plater-Zyberk in Philadelphia for Venturi and Rauch (later Venturi, Scott Brown and Associates), and Duany in New York City for Robert A.M. Stern Architects.

They moved to the Miami area in 1975 and subsequently started the modernist firm Arquitectonica with another dynamic young couple, Laurinda Spear, FAIA, ASLA, and

Bernardo Fort-Brescia, FAIA. Duany and Plater-Zyberk settled in Coral Gables, Fla., in a 1927 Cape Dutch-style home where they still live today. Culture shock set in, as they searched for the sense of urban connectedness they'd previously known. "We missed urbanism," Duany recalls. A lecture given by another key mentor, the architect and planner Léon Krier, helped inspire them to leave Arquitectonica and start DPZ in 1980. One of their first planning projects was Seaside, for developer Robert Davis.

Duany and Plater-Zyberk designed the Gulf Coast resort town's master plan to evoke the physical character of places such as Charleston, S.C., and Key West, Fla. Its pedestrian-oriented street patterns, meticulous design codes, and mixed-use downtown were utterly unlike most post-World War II planned communities. "We knew nobody was doing traditional plans but thought we were just doing one place—not [making] a particular kind of statement," Plater-Zyberk says. Yet Seaside's pastel cottages and townhouses—by architects as varied as Deborah Berke, FAIA, LEED AP; Samuel Mockbee; and Aldo



Rossi—captured the public imagination. The project started a national conversation on urban design and laid the groundwork for the New Urbanism movement, which has since become popular with home buyers and developers looking for denser, more walkable alternatives to urban sprawl.

Seaside also catapulted DPZ onto a path that's continued to the present day. The firm soon won commissions to plan high-profile, neo-traditional towns such as Windsor in Vero Beach, Fla., and Kentlands in Gaithersburg, Md. Its success also benefited the architects designing individual buildings for DPZ communities and gave rise to more practitioners of neo-traditional town planning. Duany and Plater-Zyberk's role in forming the CNU in 1993 (along with Peter Calthorpe, AIA; Elizabeth Moule; Stefanos Polyzoides; and Daniel Solomon, FAIA) added to their increasing renown.

global expansion

As they gathered acclaim and clients, Duany and Plater-Zyberk learned that the best way to work together was to divide up responsibilities. "The key thing is that we work on different projects," says Duany, who is known for his outspoken, charismatic personality. "One or the other of us is in charge of a project. I make the coffee; she makes the toast. Otherwise, if you're two people and you're completely equal, there's no calling off the discussion." These days, the elegant and diplomatic Plater-Zyberk leads only a few DPZ projects per year; her duties as dean of the University of Miami School of Architecture take up much of her time. Duany heads up many projects, as do firm partners Galina Tahchieva, LEED AP; Marina Khoury, LEED AP, of the Gaithersburg satellite office; and Tom Low, AIA, LEED AP, of the Charlotte, N.C., satellite office.

Additionally, DPZ now has three independent affiliates across the globe: DPZ Pacific, DPZ Europe, and DPZ Latin America. This setup lets the 34-person firm act like a bigger operation, amassing a team of architects, planners, and consultants anywhere on short notice. DPZ is known, in fact, for its openness to collaboration and for organizing large, intensive design

charrettes. "We feel a charrette is the most efficient methodology for getting things done in a true-to-the-place way," Tahchieva says.

The firm's international reach has helped it weather the global economic crisis, although like everyone else DPZ is feeling the downturn's effects. "We're saying yes to smaller projects we might have said no to before," says senior project manager Xavier Iglesias. However, an impressive array of work remains in the pipeline. DPZ still designs new towns, but it also lends its energies to regional plans, urban revitalization and infill projects, and suburban retrofits. And the firm is devoting more and more time to writing form-based codes (rather than typical use-based codes) for municipalities all over the world—including its hometown, which in 2004 commissioned it to lead Miami 21, an ambitious overhaul of the city's zoning code.

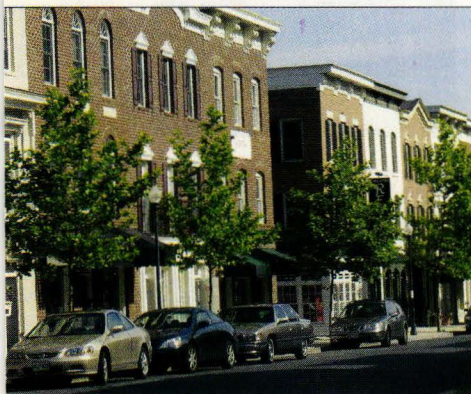
DPZ also created the SmartCode, a free, modifiable development code first released in 2003 and downloadable online (www.smartcodecentral.org). SmartCode's availability is part of Duany and Plater-Zyberk's goal of fundamentally altering middle-class lifestyles. "The American middle class is the root cause of the environmental problems of the world," Duany says. "How it consumes land, how it eats, how it transports itself. It affects everything."

the long view

Over the years DPZ and New Urbanism have attracted not only flocks of followers, but also a fair amount of criticism. Many detractors dislike New Urbanists' frequent use of traditional architecture, and others feel the movement receives undue credit for fighting sprawl. Even opponents of New Urbanism admit that DPZ and like-minded firms have had a significant impact on urban design, though. "The combination of New Urbanism and transit-oriented development, and the return of Jane Jacobs' ideas, generated wider concern about mixed-use development," says Robert A. Beauregard, head of the urban planning program at Columbia University. "Overall, the influence is positive. I'm not a big fan of New Urbanism, but they're forcing people like me to say, What do we have on our side?"



Steve Mouzon



Courtesy Duany Plater-Zyberk & Co.

Walkability is a key characteristic of New Urbanism. At Kentlands, a 352-acre, DPZ-planned community in Gaithersburg, Md., brick sidewalks, front stoops, and a mixed-use downtown all cater to pedestrians.

International projects, such as a regional plan for the county of Hertfordshire, England, account for a growing percentage of the firm's workload.



Renderings: Courtesy Duany Plater-Zyberk & Co.



Tommy Crow

DPZ's sustainable master plan for Alys Beach, Fla., includes passive solar design, eco-friendly building materials, and drought-tolerant landscaping.

DPZ's supporters are legion, and through them Duany and Plater-Zyberk exert enormous influence. "You'll find hundreds of people who owe a debt to Lizz and Andrés' generosity," says former Seaside town architect Scott Merrill, AIA, principal of Merrill, Pastor & Colgan Architects in Vero Beach. Within DPZ, Khoury explains, "everybody has access to Lizz and Andrés. They're brilliant people, but they're also great teachers." Many former firm employees or students of Duany's or Plater-Zyberk's at the University of Miami have gone

on to start their own companies, oftentimes teaming with DPZ on projects.

Others have absorbed the couple's New Urbanist teachings through programs Plater-Zyberk started at the university, including the interdisciplinary Knight Program in Community Building. Through countless lectures and several books, she and Duany have managed to propel their message beyond the usual boundaries of planning and architecture, into the world at large. "They're both authentic visionaries," says New York City-based Alexander Gorlin, FAIA, who has known them since the mid-1980s. Among their major achievements are Duany's leadership of the Mississippi Renewal Forum after Hurricane Katrina in 2005; Plater-Zyberk's 2008 appointment to the U.S. Commission of Fine Arts; and their joint 2008 acceptance of the Richard H. Driehaus Prize from the University of Notre Dame School of Architecture.

Stay tuned for more accomplishments from Duany and Plater-Zyberk, who have arranged a gradual transfer of DPZ's majority ownership to Khoury, Low, and Tahchieva over the next six years. As the pair move away from day-to-day operations, they'll spend more time on their nonprofit, the Center for Applied Transect Studies (CATS). CATS has about a dozen projects under way, including freeware codes and standards, books, seminars, and design work, all addressing the complexities of land use that have occupied Duany and Plater-Zyberk for decades. As thoughtfully as they shape a neighborhood or write a code, they've mapped out a logical transition for their careers and their firm. Like all creative pioneers, they're always several steps ahead of the rest of us. **ra**



milestones

- 1977:** Co-founded Arquitectonica
- 1980:** Founded Duany Plater-Zyberk & Co.
- 1982:** Designed master plan for Seaside, Fla.
- 1988:** Designed master plan for Kentlands, Gaithersburg, Md.
- 1993:** Co-founded Congress for the New Urbanism
- 1996:** Elizabeth Plater-Zyberk, FAIA, becomes dean of University of Miami School of Architecture
- 2001:** Vincent Scully Prize from National Building Museum
- 2005:** Andrés Duany, FAIA, leads Mississippi Renewal Forum after Hurricane Katrina
- 2008:** Richard H. Driehaus Prize from University of Notre Dame School of Architecture; Plater-Zyberk named to U.S. Commission of Fine Arts
- 2009:** Miami 21 (above) approved by Miami Planning Advisory Board but blocked by Miami City Commission; awaiting potential further review



Danny Turner



Art Grice

Design principals Robert Hull, David Miller (seated), and Craig Curtis meld modernism, environmental sensitivity, and regional flavor in the Lake Washington Residence (above) and the Michaels/Sisson Residence (left).

top firm:

the miller|hull partnership

seattle

the miller|hull partnership creates regional architecture with national impact.

by bruce d. snider

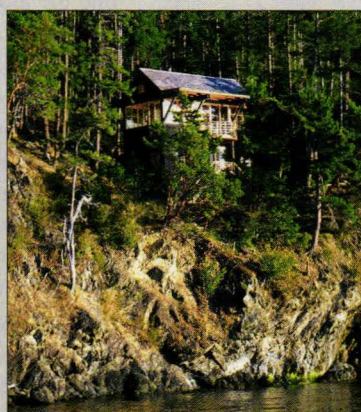
No region of the United States has a stronger, more deeply rooted, or more characteristically regional modernist architecture than the Pacific Northwest. Nowhere is the concern for environmental sustainability more interwoven with the modernist approach. And for a generation, no architecture firm has played as central a role in exploring, advancing, and celebrating this way of creating buildings as The Miller|Hull Partnership. After some three decades of the firm's existence, one cannot discuss regional modernism or sustainable architecture in the Pacific Northwest without reckoning the unique influence it has had—and continues to exert—on both.

For founding partners David Miller, FAIA, and Robert Hull, FAIA, though, the road to Pacific Northwest regional modernism led very far from the shores of Puget Sound. The two met as architecture students at Washington State University in Pullman, Wash., graduating at the height of the Vietnam War. Given the alternatives available to young men at the time, Hull says, "Both Dave and I chose the Peace Corps."

Miller worked for two years on self-help housing projects in Brazil, building with site-produced blocks of stabilized earth, before returning to the United States and earning a Master of Architecture degree from the University of Illinois. Hull designed schools in Afghanistan, drawing lessons from the ancient building types he encountered there. "One of those lessons," he says, "was passive solar." On sunny winter days, Hull found, "the best place to be was not inside but outside, next to a mud-brick wall." Thus the model for the schools the Peace Corps built: "a string of classrooms and a string of courtyards." Warmed by the sun during the winter, the buildings offered shade in the summer and opened to the northwest, taking advantage of seasonal winds for passive cooling. "These were sustainable ideas that had been around for 2,000 years," Hull says. As he and Miller would find, they were ideas that had applications closer to home.



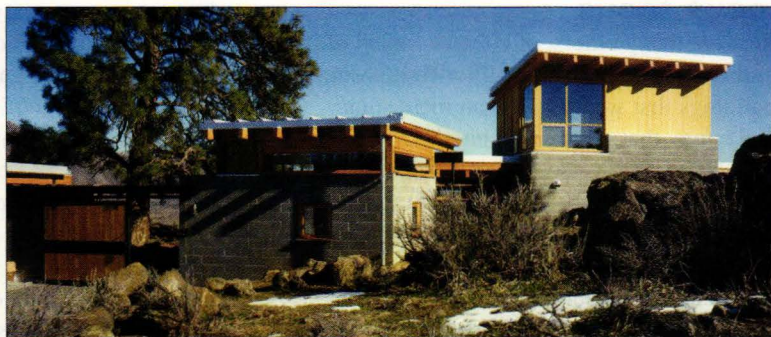
Photos: Michael Shopenn



Courtesy The Miller|Hull Partnership

Despite its diminutive size, the Novotny Cabin packed enough design punch to draw nationwide attention. Miller|Hull's first multifamily project, 1310 E. Union Lofts (top right), adapts the cabin aesthetic to an urban milieu.

Located in central Washington state, the Campbell Orchard Residence responds to site conditions very different from those of the firm's home turf on the green shores of Puget Sound.



Ernie Duncan



James F. Housel

milestones

1980: Founded firm

1982: Mercy Earth Shelter Residence sets course of environmentally responsible design

1990: Novotny Cabin earns nationwide recognition; David Miller, FAIA, becomes associate professor at the University of Washington

1998: AIA/COTE Top Ten Award, Patagonia Distribution Center

1999: Monograph, *Ten Houses* (Rockport Press); AIA National Honor Award, Olympic College

2000: AIA National Honor Award, Point Roberts Border Station; AIA/COTE Top Ten Award, Bainbridge Island City Hall

2001: First multifamily project: 1310 E. Union Lofts; monograph, *Miller|Hull: Architects of the Pacific Northwest* (Princeton Architectural Press)

2003: AIA National Architecture Firm Award; AIA/COTE Top Ten Award, Fisher Pavilion

2004: AIA/COTE Top Ten Award, Pierce County Environmental Services Building

2005: Norman Strong, FAIA, LEED AP, elected AIA National vice president

2009: Monograph, *The Miller|Hull Partnership: Public Works* (Princeton Architectural Press); Miller elected 2010 chair of National COTE Advisory Group

green shoots

After four years in Afghanistan, Hull returned to the U.S. and found work with Marcel Breuer and Associates in New York City. He also reconnected with Miller, then working for Rhone & Iredale Architects in Vancouver, British Columbia. When an economic recession took the fun out of working in New York, Hull joined Miller in Vancouver, where business remained relatively healthy. By the late 1970s, the two had opened a branch office of Rhone & Iredale in Seattle, where in 1980 they declared independence as The Miller|Hull Partnership.

It was an auspicious place and time for a new firm focused on buildings that worked with the environment. Seattle's population was educated and environmentally aware, and the energy shocks of the 1970s had jolted the country into a new cognizance of where its heat and electricity came from. "The long gas lines ... the cost of fuel shooting up," Hull remembers. "People were desperately looking for alternative building approaches. They wanted to be independent."

Seattle is a long way from Kabul, but its diffuse winter sunlight delivers a useful amount of energy. In both feasibility and client interest, Hull says, "The door was wide open on passive solar." The region's topography lent itself to earth-sheltered construction, and that, he says, "was part of our vocabulary too." Periods of uncertainty often yield opportunities for new ideas to flourish, and Miller|Hull hatched at just such a moment. "We didn't have to do architecture that people had seen before," Hull says. "We were inventing our own architecture."

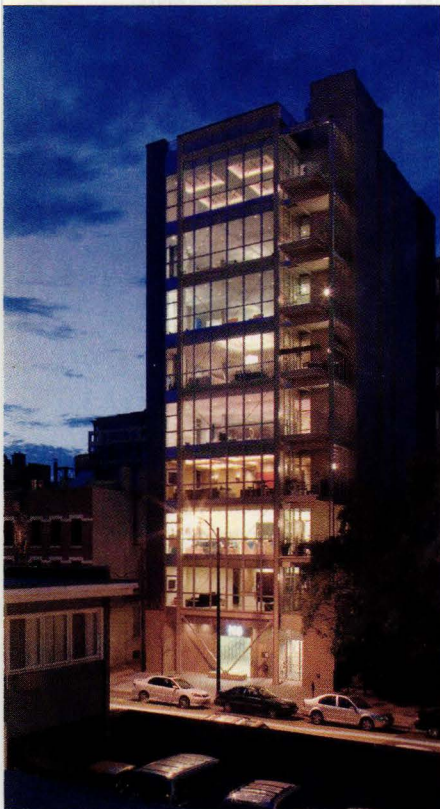
locus focus

So were many others, of course—much of it undistinguished, at best. Miller|Hull produced buildings that were more than mere solar collectors, that pursued architectural rigor and delight, as well as thermal performance and environmental virtue. The firm's houses have always been shaped by their sites—often hillsides with views—and by the region's climate, but they also embrace modernist principles and build upon the work of previous generations

of local architects. "Our design approach has always been to deal with structure as part of the aesthetic of the building," Miller says, "and that came out of the early Northwest modernism of Arne Bystrom, FAIA; Paul Hayden Kirk; and others—the Seattle School, as it was called. We were reinventing that approach."

Extending themes already well-established in the region, Miller and Hull inserted their buildings even more subtly into the landscape, gave them a bolder geometry, and made economical and inventive use of off-the-shelf industrial materials. In every Miller|Hull building, large openings—most famously in the form of glazed garage doors—allow freedom of view and access to the outdoors. "That's always been a big part of our expression," Hull says: "the operability of our walls." Deep, overhanging eaves shed winter's rain and provide shade during the dry summer. Uncomplicated forms, local materials, and an insistent bias toward structure over finish recall the region's industrial and maritime structures and the architecture of its indigenous peoples. Elevations often deploy exterior materials in broad, unbroken planes, which, along with the firm's powerfully expressive roofs, give each building a unique and iconic presence.

The firm made its name with a series of tiny weekend retreats and compact houses that married the principals' environmental agenda with their modernist architectural training in a distinctly regional way. "Those struck a chord because they were so small, so efficient," Miller says. Widely published and much awarded, those early projects led to larger residential commissions, which embodied the same cabinlike spirit. "We were fortunate enough to have some university work too," Hull says. "That allowed us to move in two directions, and [the private and public projects] actually stimulated each other." He recalls noticing parallels between a small cabin in the San Juan Islands and a cafeteria for The Boeing Co., which were on the boards simultaneously. "They were both glass envelopes with solid cores," he says. "It got us thinking: whether the program is private or public, inside the buildings, it's still the same people."



Nic Lehoux

A nine-story condominium tower in downtown Chicago, 156 W. Superior brings the firm's structural rationality and environmental focus to its first major residential commission outside the Pacific Northwest. Miller|Hull collaborated with Chicago-based Studio Dwell Architects on the project.



Photos: James F. House

The Roddy/Bale Residence applies the openness, transparency, and outdoor access of the firm's early cabin projects to the larger canvas of a "luxury home."

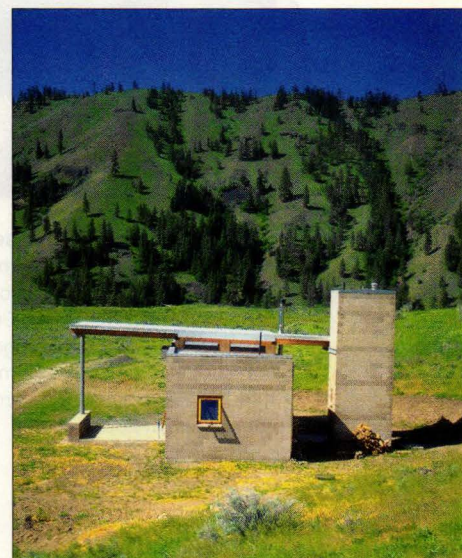
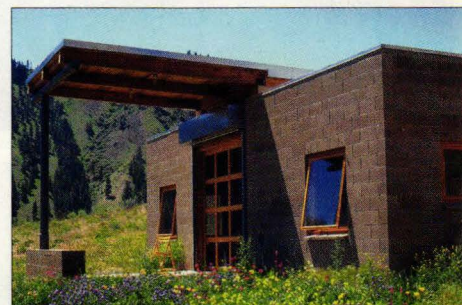
home team

Nonresidential projects now constitute some 80 percent of the firm's work, and its staff—now nearing 50 people—has grown accordingly. Norman Strong, FAIA, LEED AP, who runs the business side of the firm, became a partner in 1985; design principal Craig Curtis, FAIA, LEED AP, in 1994. The firm recently elevated a third generation of partners: Ron Rochon, AIA, LEED AP; Sian Roberts, AIA, LEED AP; and Scott Wolf, AIA, LEED AP. But the design of dwellings remains central to MillerHull's identity and function. "Residential work does a number of things for our firm," Curtis says. "There are a lot more opportunities for publication. Houses are quicker; they allow us to experiment more. In the constant back-and-forth between large and small projects, our large projects benefit much more."

MillerHull's public work has given it a high profile in the region, but the firm has stood at the center of Seattle's architectural community almost since its founding. "When we were all younger, we used to meet once a month and present our work to each other," says James L. Cutler, FAIA, of Bainbridge Island, Wash.-based Cutler Anderson Architects, who has competed amicably with MillerHull ever since. Partner Norm Strong served as president of the AIA's Seattle chapter (and later as AIA National vice president). Through his long affiliation with the

University of Washington, where he now chairs the Department of Architecture, Miller has influenced a generation of young architects. He also documented the movement of which his firm is a part in his 2005 book, *Toward a New Regionalism: Environmental Architecture in the Pacific Northwest* (University of Washington Press, \$35). "The firm's partners have been incredibly influential among architects like myself, who wanted to follow in their footsteps," says Lane Williams, AIA, of Seattle-based COOP 15. "They have a great feel for materials, and long before building green became popular, they had a great feel for the environment."

MillerHull's environmental focus continues to deepen. Having long toiled toward the goal of net-zero energy use, the firm has now begun to apply the same standard to water use. "Water—that's the latest holy grail," Hull says. But MillerHull has never been a green architecture firm, per se. The principals characterize their approach as emphatically rational. Each MillerHull project explores a set of problems, paring away extraneous matter until nothing remains but the essential solution. "We've always been strong structuralists," Hull explains, and not simply in revealing engineering loads. Whether they be gravitational, climatic, biological, or cultural, "we're always trying to express in our architecture these forces with which we're working." **ra**



Photos (above and top): Stephen Cridland

The tiny, off-the-grid Marquand Retreat takes simplicity to a sublime extreme. The tower holds a cistern.



Todd Korol/Aurora Select



John Brown's practice, housebrand, focuses primarily on "tailoring" existing homes to the way its clients live, but it also designs its share of new houses, such as the Simpson Residence (above and opposite) in Calgary, Alberta. The firm supplied the home's furnishings, available through the in-house furniture retail store it established in 2002.

rising star:

john brown, raic

*housebrand
calgary, alberta*

john brown has reinvented his design firm for the new world and the new economy.

by nigel f. maynard

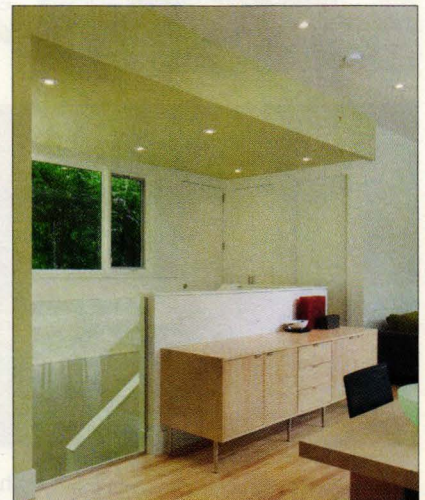
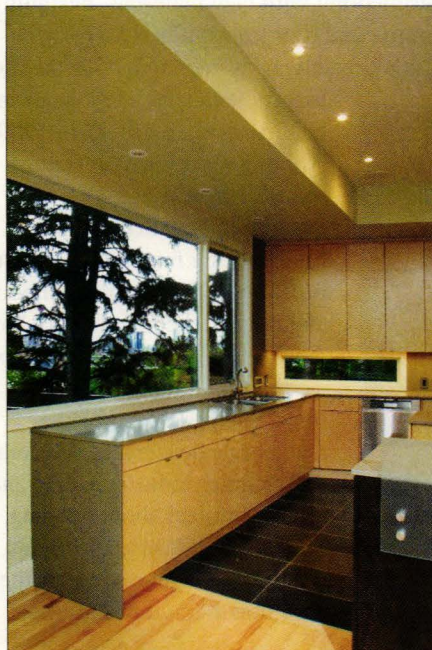
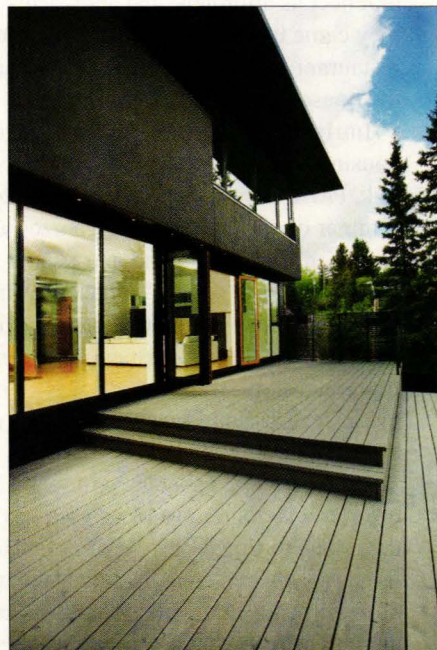
John Brown, RAIC, is on a profound mission, one that doesn't involve anything as mundane as scaling K2 or swimming the English Channel. The soft-spoken Canadian wants to simultaneously improve the quality of mass-market housing and make better houses more attainable for the middle class. As an architecture professor, he teaches students to become good designers and, through various professional efforts, he's instructing the public to identify good design, so they can and will make better housing decisions in the future.

Brown also practices what he teaches. With the help of his wife, Carina van Olm, who oversees business operations, and designer Matthew North, he runs a multidisciplinary practice called housebrand. Part real estate agency (Brown is a licensed Realtor), architecture firm, general contractor, interior designer, and furniture store, housebrand claims it's "a new kind of design firm"—one of the first in North America to integrate all of these house-related disciplines "into one seamless process."

Although the business model is unconventional, housebrand specializes in approachable, practical modern architecture that seeks to delight its clients. Yes, the firm will design and build a new house from the ground up, but its primary passion is "tailoring" outmoded existing homes to the way people really live.

poetic license

Born and raised in Calgary, Alberta, Brown took a circuitous path to architecture, avoiding along the way his physician father's suggestions that he study medicine. "I didn't know what I wanted to do, so I went into engineering, and I absolutely hated it," he says. After graduating with a bachelor's degree in civil engineering from the University of Manitoba and no clear plans for the future, Brown decided to visit the university's architecture school; the experience so moved him that he applied to The University of Texas at Austin School of Architecture. "I realized it was what I was meant to do," he says.



Photos: Patricio del Rio

Designed in 2007 for a couple with teenage children, the Simpson Residence has a thin U-shaped plan organized around a courtyard to permit the unfettered flow of daylight and views of downtown.

"We started doing basic design exercises, and it seemed to make so much sense because it was a nice mix of the rational and poetic."

Brown graduated with his M.Arch in 1984 and headed off for postgraduate work at Columbia University, lured by the opportunity to study with influential British architect/thinker Kenneth Frampton. "I was there just as his critical regionalism essay was coming out," he recalls. "And it was very important to think about how you can take the ideals of modern architecture and temper them with site, climate, and regional influences. But it became even more important over the course of my career."

After Brown earned his Master of Science degree in building design, he moved to Dallas to find work. Alas, it was inauspicious timing, during the economic recession and S&L crisis of the mid-1980s. Record unemployment and the prodding of his sister led him to apply for a teaching post at the University of Calgary, a job he accepted in 1985 at the age of 28. The academic world has framed his development ever since. Expanding on Frampton's writings, Brown—now the associate dean of Calgary's architecture school—studied architectural theory and worked to reconcile its relationship to practice and the built environment, experimenting with new materials, designing furniture, and doing design/build work.

But ultimately, he wanted to put his theories to the test and did so by launching his first firm, Studio Z, in 1990. Although he earned design awards for several high-end custom homes, Brown didn't find working for wealthy clients fulfilling. "It made me feel good and it made them feel good, but it didn't make much of a difference."

Yearning to have a greater impact in the larger world of market-rate housing, he researched

important professional decision he ever made. The power and influence of Realtors cannot be overstated, he says, because when people think they need a new place to live, they don't hire an architect—instead, they get an agent. "I told my father that the three-week course was the most valuable education I had ever had in my life," he says. The real estate license helped build relationships with potential clients, and the commissions from the transactions allowed the firm to defer some architectural fees to later in the project, when clients had financing.

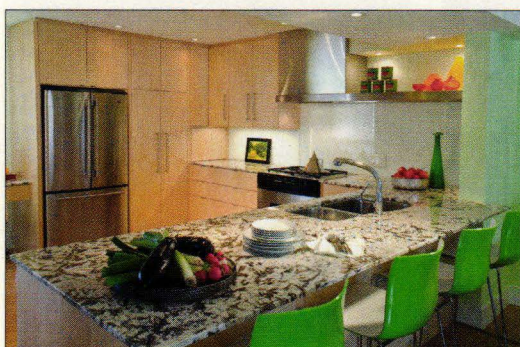
Unlike most firms, which start out doing small jobs and progress to full houses, Studio Z gravitated from new custom homes to smaller remodeling projects, which it found more interesting, more difficult, and more satisfying. For environmental reasons, the firm rejected suburban projects in favor of urban work.

Studio Z refined the business model in 1997 by adding a construction component, allowing the firm to control quality and consistency from start to finish. "It also meant that suddenly we were doing design/build, so we were able to reduce our architectural fees dramatically, which made us more attractive to people who didn't want to hire an architect anyway," Brown says. The partners changed the firm's name in 2000 to reflect its affordable and approachable nature; they came up with the new moniker at a local restaurant, while drinking martinis made with the house gin.

Intrigued by Brown's holistic approach to housing and public education efforts, Jeremiah Eck, FAIA, invited him to speak at the 2008 seminar on the house Eck organizes annually as part of Harvard's Graduate School of Design summer series. "What I was trying to do was examine alternative practices in a down market," says Eck, a partner at Boston-based Eck MacNeely Architects. "I was so inspired by his lecture that I went out and got my real estate license."

Brown is "looking at the profession in a much broader way than most of us who just wait for the phone to ring," Eck continues. "He's a lot more proactive in engaging clients in a bunch of different ways that make it more palatable for them to accept what we do as designers."

Brown's broad view means housebrand accepts most commissions. It has worked for as little as \$10,000, but "typical" small jobs



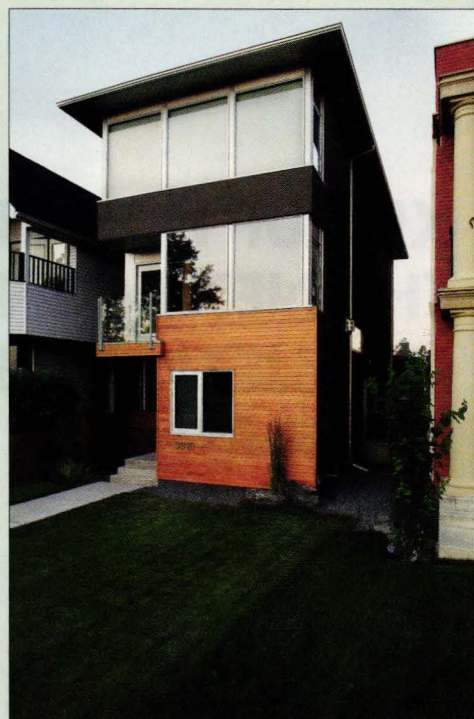
Photos (above and top): Bruce Edwards Photography

The Taylor Residence represents the type of retrofit commissions that excite housebrand. The firm helped a retired couple purchase the 1,400-square-foot 1970s townhouse and then oversaw its redesign and construction. And it supplied furnishings for the property.

how the merchant builder industry works and how the masses live and feel about housing. "I looked at the real estate industry, appraisals, and banking, and I tried to get a sense of the whole picture and how I could fit into that."

the lockbox unlocked

It turns out the real estate license was key, Brown concludes, and perhaps the most



Photos: Patricio del Rio

The firm designed the 1,700-square-foot, 17-foot-wide Chan Residence for a 25-foot infill lot in Calgary. A second-floor main living space yields dramatic views of the Rocky Mountains.

are \$70,000 to \$150,000, whole-house renovations run from \$250,000 to \$400,000, and new houses (averaging 2,400 square feet) are \$650,000 to \$800,000. The firm sells a process and has no bias toward size or cost. "It doesn't matter to us whether you spend \$80,000 on a condo and we do \$5,000 worth of work or you spend \$200,000 and we do \$100,000," he says. "The process of helping people find something, doing some design work, and doing the construction is the same." It certainly works for the kinds of clients most simpatico to Brown: middle-class individuals, like Michael Husband and his wife, Caroline Niwa, who simply want a great place to live.

"While we sort of skipped the beginner home, we knew that a new-build using an architect would be beyond our means," Husband explains. "Finding a suitable lot or knockdown in the areas we wanted also would have been cost-prohibitive." Instead, housebrand helped the family buy a smallish 1955 bungalow and executed the renovation. "It's quite modern now, which isn't for everyone, but we think it suits the house and our lifestyle," he adds.

brand anew

The soup-to-nuts process housebrand has set up is thriving, even as the rest of the home building industry struggles. The firm hired three

employees this year (bringing the head count to 15) and has three new houses and 20 renovation projects in the works. Meanwhile, its Slow Home offshoot (<http://theslowhome.com>) has evolved into a full-fledged resource and education portal that's resonating with both architects and consumers. Founded in fall 2006, the nonprofit Web initiative promotes alternatives to builder-driven housing through how-to videos and other features. (For more on Slow Home, see page 16 of the January/February 2008 issue.)

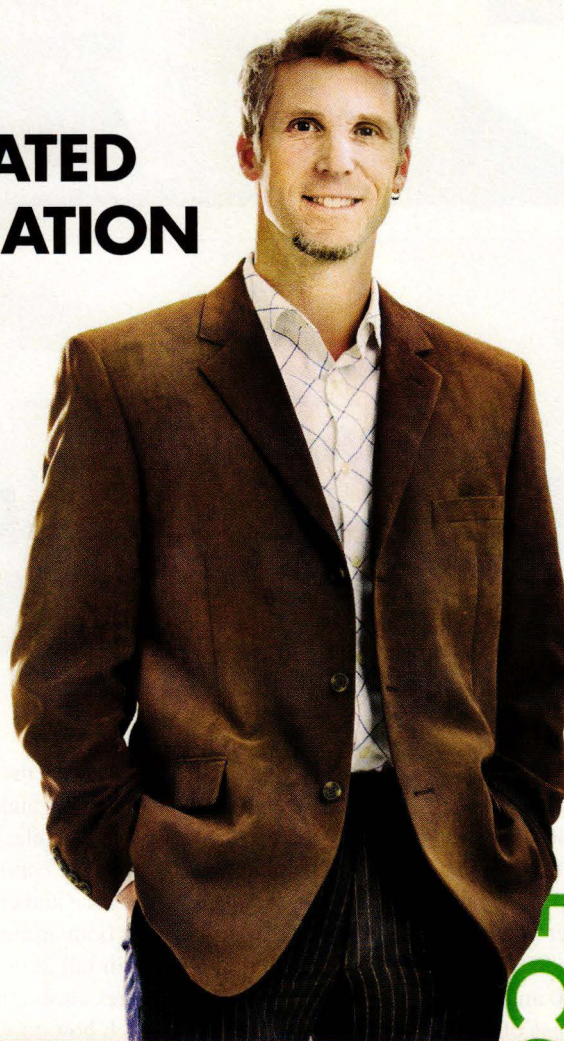
The site's mission isn't to bash suburban developments, Brown says, but to provide "information so people can make informed choices about where they live." In the long run, "people hopefully will make better choices: either they'll hire more architects or designers, or they'll demand better from the residential construction industry."

Yes, housebrand's integrated approach works for its partners, but they're under no illusions that it's a surefire solution for every firm. Ever the theorist, Brown says the success of his formula isn't about the specifics, but about turning convention on its head. "The value isn't in saying everybody should have a real estate firm, a construction firm, and a retail store, but you *can* rethink the way you do business and be more innovative in how you get what you do out to the public." **ra**

milestones

- 1990:** Founded Studio Z
- 1992:** Completed first house
- 1995:** Added real estate services
- 1997:** Added construction services
- 2000:** Changed name to housebrand; launched "tailored home" strategy
- 2001:** Added interior design services
- 2002:** Added furniture retailing; opened housebrand Demonstration Center; Prairie Design Award, Millennium Tower
- 2003:** Added limited-run furniture manufacturing; Royal Architectural Institute of Canada Award of Excellence for Innovation
- 2005:** Added limited-run building component manufacturing
- 2006:** Founded Slow Home Movement; Prairie Design Award, Rothney Astrophysical Observatory
- 2007:** Launched Slow Home website
- 2008:** Opened housebrand Design Store
- 2009:** Started Web-based Slow Home Design School

KNAUF HAS CREATED THE NEXT GENERATION OF SUSTAINABLE INSULATION



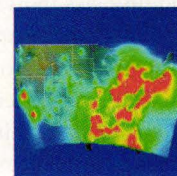
Kevin Gurney, PhD
Project Director, the HESTIA Project
IPCC Member Co-recipient of 2007 Nobel Peace Prize

© 2009 Knauf Insulation GmbH.

"In my research, I analyze the connections between fossil fuel use and climate change. Emission of carbon dioxide, the most important greenhouse gas, is of particular importance. One of the best ways to reduce carbon dioxide emissions is to use the energy we currently have more efficiently. And one of the most cost-effective ways to do that is through insulating our homes and buildings properly."

Knauf Insulation is inspired by Dr. Gurney's important research, and we are dedicated to providing more sustainable products that save energy and reduce greenhouse gas emissions—like our new EcoBatt™ Insulation with ECOSE™ Technology. EcoBatt Insulation combines abundant, renewable raw materials and post-consumer recycled glass with ECOSE Technology, a binder based on rapidly renewable bio-based materials. It reduces binder embodied energy and our carbon footprint; and helps make EcoBatt Insulation our most sustainable insulation ever.

"Knauf sees the importance of making a more sustainable, climate-friendly product. I look forward to seeing what effect EcoBatt Glasswool and ECOSE Technology have on reducing our climate change impact." —Kevin Gurney



with **ECOSE™**
TECHNOLOGY

For more information call (800) 825-4434 ext. 8300
or visit us online at www.knaufinsulation.us

KNAUF INSULATION
it's time to save energy

Go to <http://research.hotims.com> for more info

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON

Reinvention 2009
Designing For The Future

hanley wood

the new, new reality:

EXPANDING THE ARCHITECT'S ROLE THROUGH
OUTREACH, INNOVATION & COLLABORATION

The Reinvention Symposium is a high-level design and management conference where residential architects gather to learn how to improve their practices, update their knowledge of industry trends and network with peers from around the nation. Over 200 of the most influential and forward-thinking architects and designers will attend.

Now in its 6th year, attendees at this year's event will focus on how the changing economy has redefined the model for doing business. Flexibility, engagement, and a solid grasp on value are all critically important and architects are uniquely poised to retool, rebuild, and reshape their communities from the ground up.

The following pages highlight some of the sponsors of this unique industry event. We hope you will take a moment to review these pages and discover the benefits and innovative new products these leading manufacturers have to offer you and your next project.

See you in Seattle!



DESIGNER DOORS™
ARCHITECTURAL HARMONY™

KNAUF INSULATION
It's time to save energy

marflex
Building Solutions

PROPANE
EXCEPTIONAL ENERGY™

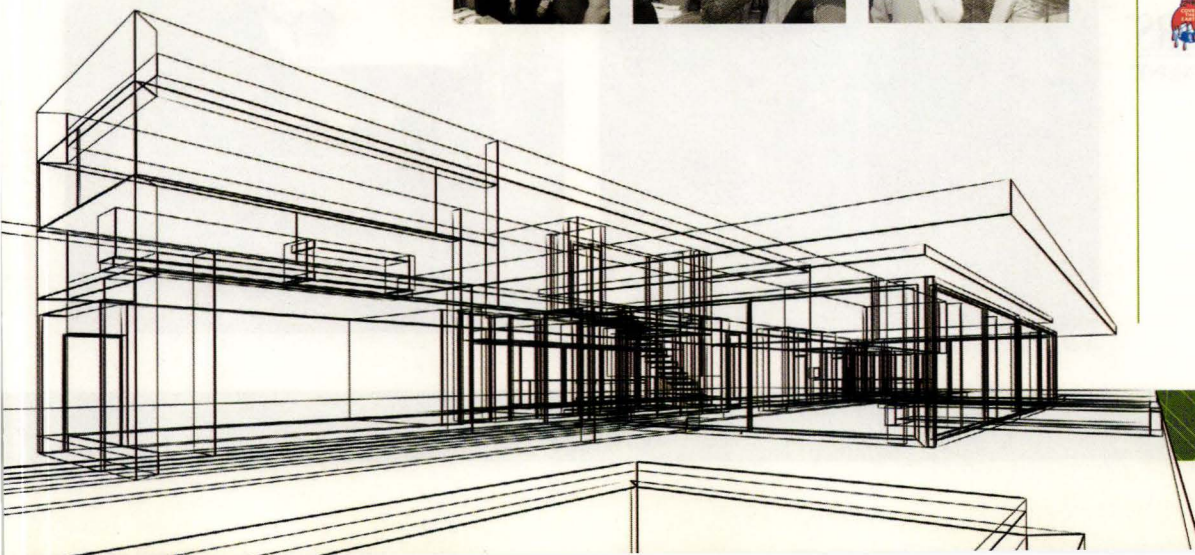
QE
quality edge



SHERWIN-WILLIAMS.

The Tapco
GROUP

TYPAR
Weather Protection System
A Fiberweb Brand



**PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM**

Reinvention 2009
Designing For The Future

hanley wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Clawson Architects: New Life For A Stately New England Dutch Colonial

Engaging The Site

For Clawson Architects of Maplewood, New Jersey, this stately New England Dutch Colonial presented many of the challenges architects often see with renovations. The home sits perched high on a hillside. The sloped yard had been poorly developed, creating an undesirable back yard and an inadequate single-car garage. In addition to a new kitchen and family room, the client requested an attached two-car garage.

The completed design engages the landscape with a traditional barn-like structure attached to the home. The lower level is a two-car garage, the upper level a new recreation room with direct access to the upper yard.

With its position as a natural focal point, the details and material selection for the new two-car garage were very important. The custom mahogany doors from Designer

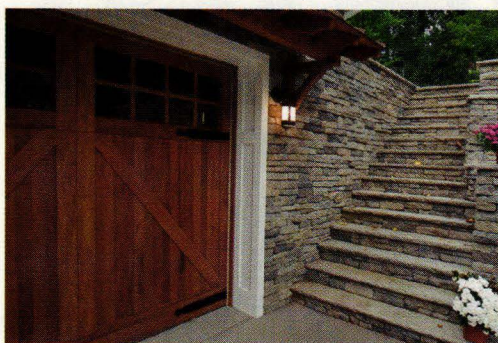
Doors, the stacked stone walls, cupola and custom millwork details tailored the structure to appear as if the garage addition had always belonged with the original home. The end result reflects the concept of the house in relationship to the landscape and a sense of arrival to the homeowners and friends.

Quality & Craftsmanship

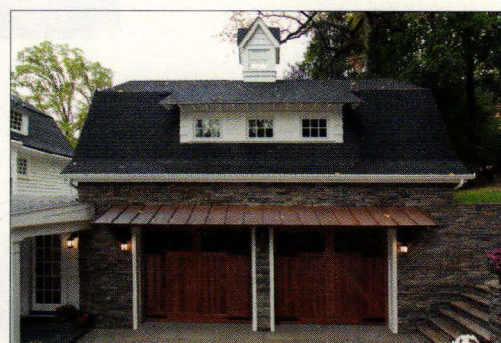
Designer Doors often works closely with architects to accent the details important to great design. According to Clawson Architects, "Designer Doors' European-style doors paired with custom cedar brackets created an authenticity to the project. The quality and craftsmanship of Designer Doors is superior and the installers were prompt and efficient. Working with the Designer Doors team was effortless from design to installation." The result is a beautiful, livable renovation—impeccably crafted and true to its heritage.

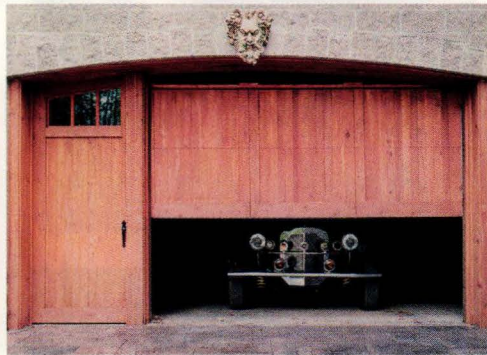
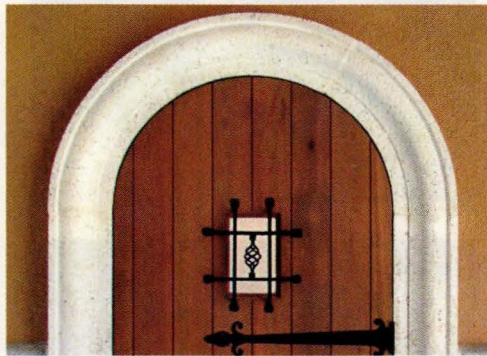
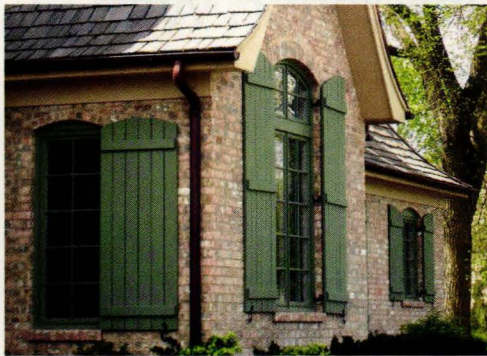


For more information call
1-800-241-0525 or visit
www.designerdoors.com.



Photos by robertglasow.com





“Effortless from design to installation.”

Discover the company loved by architects and their clients from coast to coast. From the smallest detail to expansive projects, Designer Doors supports your vision with Architectural Harmony™ and unity of design. We're inspired by quality materials and committed to the highest level of craftsmanship and service. To see how smoothly we complement your thinking and specifications, visit designerdoorm.com or call 800 241-0525.



DESIGNER DOORS™
ARCHITECTURAL HARMONY™

GARAGE DOORS ENTRANCE DOORS SHUTTERS GATES

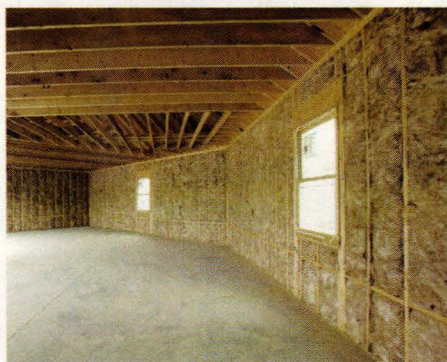
**PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM**

Reinvention 2009
Designing For The Future

hanley wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Introducing Knauf EcoBatt® Insulation With ECOSE® Technology

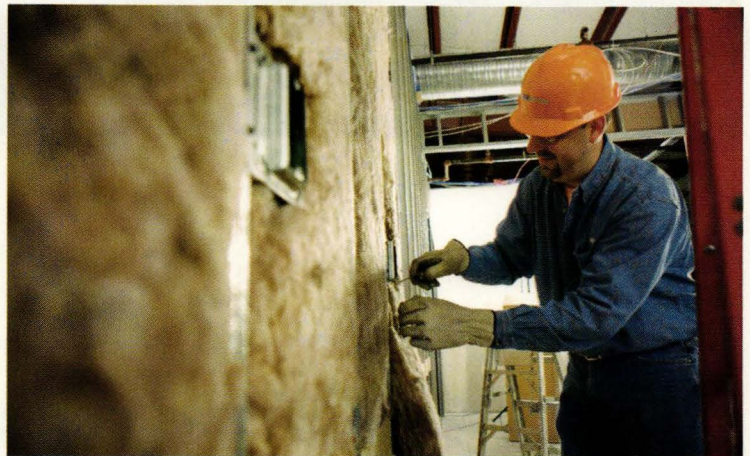
At Knauf Insulation, our mission is to provide products and services that conserve energy and preserve natural resources for a sustainable future. As a family-owned company, we're proud of the Knauf name and what it stands for. Customers worldwide have put their trust in the quality, consistency and performance of our products and our business values. So in our quest to become more sustainable, there are certain principles that we will not compromise:

- The quality, consistency, and performance characteristics for which our products are known.
- Our ability to apply any technological advances across all product lines.
- The safe and efficient manufacture of our products.
- Our goal of reducing emissions from plant operations.
- Our commitment to cost-effectively produce our products.

Our Sustainability Initiative

To meet the challenge to provide sustainable, innovative solutions that improve energy efficiency we continually strive for improvements in both manufacturing operations and product design and performance.

- In our operations, we continually look for ways to advance our glass formulations and increase the use of post-consumer recycled bottle glass in all our products.
- To reclaim and reuse vented heat and to control emissions, we have invested millions of dollars in regenerative thermal oxidizers (RTO's) and the best available control technology (BACT) for pollution control.
- By converting our products to ECOSE Technology, we have eliminated non-renewable petroleum-based chemicals like phenol and formaldehyde from the manufacturing process, which in turn eliminates their plant emissions and reduces cost instability associated with those chemicals.



We Proudly Introduce EcoBatt® Insulation With ECOSE® Technology

New Knauf EcoBatt Glasswool Insulation combines:

- Sand, one of the world's most abundant and renewable resources
- Minimum 30% post-consumer recycled bottle glass
- ECOSE® Technology, a revolutionary new highly sustainable, bio-based binder

What Is ECOSE® Technology?

EcoBatt Insulation's natural brown color comes from ECOSE Technology, a revolutionary, more sustainable binder technology born from five years of intensive research and development. It is made from rapidly renewable bio-based materials rather than non-renewable petroleum-based chemicals such as

phenol, formaldehyde and acrylics commonly used in traditional fiberglass insulation products. By reducing the binder embodied energy up to 70% compared to our traditional fiberglass insulation binder, ECOSE Technology reduces both the expected Global Warming Potential and total embodied energy of EcoBatt Insulation by approximately 4%.



EcoBatt Glasswool Insulation Is Your Best Choice

EcoBatt Glasswool Insulation with ECOSE Technology delivers:

- Improved sustainability—
 - Uses renewable and abundant resources
 - Contains an industry-leading percentage of post-consumer recycled glass
 - Replaces non-renewable resources with renewable ones
 - Based on rapidly renewable bio-based materials
 - Contains no non-renewable petroleum-based chemicals
 - Reduces binder embodied energy
 - Contains no artificial colors
- Unsurpassed performance—
 - Most cost-effective way to improve thermal and acoustical performance
 - Is interior-friendly—GREENGUARD certified for Children & SchoolsSM
 - Helps projects meet LEED green building standards

KNAUF INSULATION
it's time to save energy

Knauf EcoBatt® Glasswool Insulation the next generation of sustainable insulation... naturally from Knauf.

For more information visit www.knaufinsulation.us.

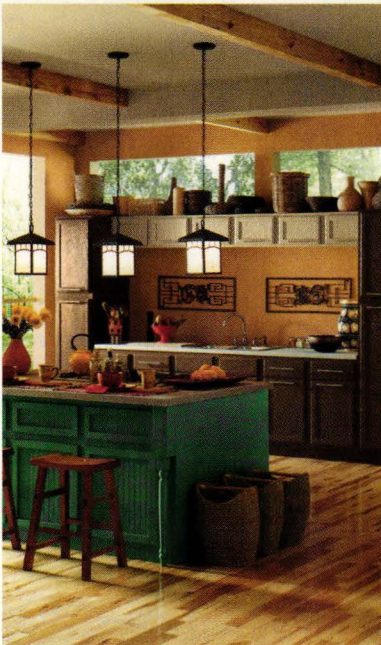
PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM

Reinvention 2009
Designing For The Future

hanley wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Sherwin-Williams Makes Paint And Color Selection Easy, With Products And Solutions That Are Tough To Beat

Whether you are looking for color options, environmentally responsible solutions or guidance on specifying the right coating, you can count on Sherwin-Williams. Sherwin-Williams offers resources tailored exclusively for architects. From state-of-the-art color selection tools to product specifications, Sherwin-Williams is committed to supporting your project from vision to execution.

Explore A Virtual World

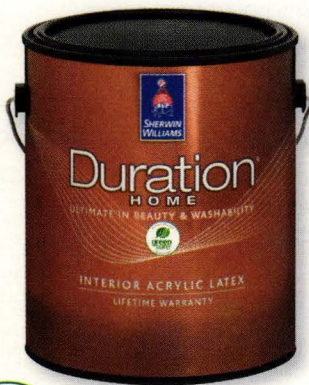
Design professionals can turn to sherwin-williams.com for an array of information to help with product and color selection. Available resources include complete coating specifications, links to BIM files for colors and products, updated VOC regulations and certification guidelines for green building projects, and the continually updated and downloadable LEED and VOC Coatings Reference Guide. Professionals can

conveniently order large-sized color swatches or download the palette into AutoCAD® and Photoshop® for virtual design applications.

Paint A Trail Of Green

Sherwin-Williams offers four products with the company's proprietary GreenSure® designation. These products are Duration Home™, Harmony®, ProGreen™ 200 and Builders Solution®. The GreenSure designation makes it easy to identify high performance products that were designed and manufactured taking steps to reduce environmental impact and to meet or exceed the most stringent regulatory requirements. To learn more, visit greensure.com.

Through its "EcoVision™," Sherwin-Williams is committed to the development of sustainable processes, products and initiatives that help preserve natural resources, protect the environment and contribute to social improvement.



SHERWIN-WILLIAMS.

Visit sherwin-williams.com or call the Architect & Designer Answerline, **1-800-321-8194**. For direct links to green and color solutions, visit swgreenspecs.com and swcolor.com.



Paint with nature in mind.

The natural world inspires your color selection. So shouldn't your paint selection be inspired by nature too? At Sherwin-Williams, we've developed a wide variety of green coating solutions that don't sacrifice color, performance or productivity. Which means you're not just specifying the best paint for your clients' buildings and homes, but the best paint for the world. Now that's inspiring.

For more information about our green initiatives, visit swgreenspecs.com, see your Architectural Account Executive or call the Architect and Designer Answerline at 1-800-321-8194.



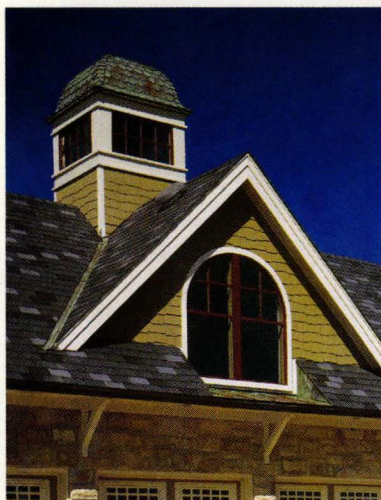
**PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM**

Reinvention 2009
Designing For The Future

hanley wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Maintenance-Free Beauty, Easy Installation and Sustainability

At The Tapco Group, innovation is our cornerstone. As a leader in the building materials industry, our history of innovation stretches back half a century. We began as a pioneer in the aluminum trim fabrication industry back in 1961, introducing the market's first-ever portable brake. Today, we are recognized as a premier provider of innovative interior and exterior building products, specializing in the manufacturing of stone veneer, roofing, siding, shutters, trim, tool systems, egress systems and siding components.

Our innovation comes from understanding the needs of architects, distributors, builders and contractors. We pride ourselves on both top-quality product and top-quality service. Together, these areas present our customers with a tremendous competitive advantage, delivering benefits that extend all the way to the homeowner. Our outreach also extends to the architectural community with continuing education courses that provide comprehensive product information while helping architects maintain their certification.

The Tapco Group is at the forefront of making changes to enhance the environment. A proud member of the U.S. Green Building Council, we manufacture products that minimize waste, conserve natural resources and offer points toward USGBC LEED program certification for sustainable projects. Our products also require less energy for their manufacturing or application, with some containing recycled content. The Tapco Group supports sustainable construction practices and energy-efficient design in all new and remedial construction.

The Tapco Group is the building industry's leading provider of easy to install, premium innovative interior and exterior products. Tapco products combine versatile application, durability, vast color palettes and uncommon authenticity to exceed the expectations of architects, builders, contractors and homeowners. Tapco delivers Innovation Born from Original Thinking™.



For further information, call **248.668.6400**
or visit www.tapcoint.com.

99% on-time delivery :: 7 manufacturing plants :: 45 years of proven performance



The Tapco Group® :: Innovation Born from Original Thinking™

We innovate for a living. That's why The Tapco Group has the most comprehensive line of authentic looking exterior products designed to perform to the highest standards for contractors. With over 45 years of manufacturing experience contractors can trust Tapco Group products to install easier, perform better and deliver the widest array of color and design options in the industry. We innovate for a living and manufacture products that will work hard for years to come. Innovate today.



Innovative Exterior Products™

www.theTapcoGroup.com

Go to <http://research.hotims.com> for more info

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

PROUD SPONSOR OF THE SIXTH ANNUAL REINVENTION SYMPOSIUM

ARCHITECTCES

About CES Online...

ArchitectCES.com is pleased to be an American Institute of Architects Continuing Education Services (AIA/CES) provider. Our AIA-approved programs are approximately one hour long and will earn one learning unit (1LU) credit upon successful completion. Courses can be completed at your convenience 24 hours a day, 7 days a week, 365 days per year in three different formats: online at your computer, hard copy to be read anywhere or a downloadable slideshow. You can access these courses from home, work or while on the road.

Best of all, all courses are FREE if completed on ArchitectCES.com.

Courses can also be accessed through these participating magazines:

ARCHITECT eco-structure
architectCES.com eco-structure.com

AL metalmag
archlighting.com metalmag.com

architect
residentialarchitect.com



Professionally Accredited Education About Propane Is Just A Mouse-Click Away

The Propane Education & Research Council (PERC) provides architects with free AIA-certified continuing education coursework on the application, installation, and material profile of propane and propane products.

PERC continuing education courses cover a broad range of topics including tankless water heaters, community propane tank systems, underground propane tanks, hydronic radiant heating, propane in outdoor applications, residential heating analysis, and enhanced energy systems.

Here is an overview of three of the courses available online:

I. Propane Gas Systems For Green Residential Construction

COURSE OVERVIEW:

- Identify the benefits of using propane instead of other energy options in green residential building
- Describe distribution of propane, retail services available, residential propane storage options and applications
- Identify NAHB and LEED green buildings standards related to propane use
- Explain the impact of fossil fuels on the greenhouse gas effect

► **COURSE CREDIT: 1 LU**

II. Economic, Environmentally Responsible Energy Solutions

COURSE OVERVIEW:

- Identify the advantages of using propane over natural gas as a community-level energy source
- Describe community tank system configurations, piping networks and telemetry
- Describe sustainable development pillars and the impact of greenhouse gasses on climate change
- List the NAHB Green Building Standards and identify where propane can contribute to this rating system

► **COURSE CREDIT: 1 LU**

III. Propane Gas Underground Systems: Residential Infrastructure Requirements And Energy Benefits

COURSE OVERVIEW:

- Identify the benefits of using propane to fuel homes
- Describe different propane applications; list propane storage options and understand underground propane tank installation considerations
- Be able to locate a local propane retailer that can work with you to design homes with propane as the primary energy source

► **COURSE CREDIT: 1 LU**

PROPANE
EXCEPTIONAL ENERGY®

Fulfill your CES requirements and learn about the benefits of building with propane. Register for these **FREE** online courses sponsored by PERC at **architectCES.com**. These courses are also available at **buildwithpropane.com**.

Reinvention 2009
Designing For The Future

hanley wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON

PROUD SPONSOR OF THE SIXTH ANNUAL REINVENTION SYMPOSIUM

Reinvention

Designing For The Future

2009

hanley wood

SEPTEMBER 14-16, 2009

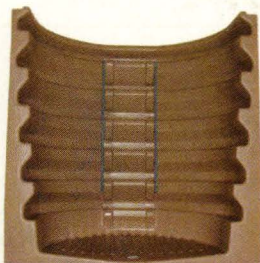
FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



ShockWave™ Drainage Board



Geo-Mat™ Drainage Board



LifeLines™ Egress Window Wells

Meet Environmental Standards And Contribute To Sustainability With Innovative, Durable Materials From Marflex

Since 1984, Marflex Building Solutions' mission has been to ensure the safest, driest environments possible by creating the world's finest above- and below-grade building envelope systems.

Reducing Moisture Is More Than Smart—It's A Tenet Of Sustainability

ShockWave™ Drainage Board gulps ground-water at up to 101.11 gallons/hour/lineal foot, with a permeability of 2,160 gallons/hour. It is made from cross-linked, closed cell foam reclaimed from automobiles and with a compressive strength of 273.72 psi, it is tough enough to drive on. That's why ShockWave won "Expert's Choice" for Most Innovative Product at World of Concrete 2007.

Geo-Mat™ and Geo-Mat™ Plus Drainage Board is made of 100% post-consumer recycled high-density polyethylene, which offers strong resistance to hydrostatic pressure and offers excellent drainage. Its stud-shaped dimples provide an air chamber between the roll and wall to rapidly channel water from grade to

the footer drainage system. Geo-Mat™ and Geo-Mat™ Plus are resistant to saline solutions, alkalis and acids.

Protect Structural Value As Well As The People Inside

LifeLines™ Egress Window Wells are cast from recycled plastic material and feature built-in handrails and steps so homeowners can escape quickly and easily in case of a fire, flood, tornado or other life-threatening emergency. Designed to meet basement building codes for below-grade living space egress, they are available in white, sandstone and granite and various sizes.

Marflex: Gold Sponsor Of The Green Design Charrette

For architects seeking premium residential, multi-family and commercial construction products, the research labs at Marflex continuously develop new solutions to keep pace with changing codes, regulations and requirements.



To learn more about Marflex Building Solutions products, come to Reinvention 2009 and visit **MarflexBuildingSolutions.com**.

For free samples, 3-part and 10-part specs, and MSDS sheets, call **1-800-498-1411**.

PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM

Reinvention 2009
Designing For The Future

hanley wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Green By Design, Material, And Ventilation Requirements

QE has been creating "green" aluminum building products before green was in. QE's uniquely designed aluminum soffit profiles help to reduce higher heating & cooling cost, structural damage and the occurrence of mold related to too much exhaust and not enough intake through your soffit.

Ventilation Is Everything

According to the Department of Energy, "approximately half of U.S. homes have visible evidence of a dampness problems or mold contamination."

The Problem

According to the experts, very few soffit products have sufficient intake (NFA) to work with their roof exhaust systems. Typical shingle ridge style vents have 18 square inches of net free area (NFA) per linear feet. So if you

have a one-foot overhang, you need to use a soffit that provides at least 9 square inches of NFA on each side of the home to equal the 18 square inches of exhaust.

Function Meets Design

QE has designed and patented architecturally correct and classic soffit profiles with the highest ventilation ratings in their category. All are designed to meet the new demands of better exhaust systems (ridge vents), smaller overhangs, tighter built homes and more complex roof lines. You and the homes you design can breathe easy with QE's TruVent (hidden vent clap board design), TruBead (classic 5" & 3" beaded) and TruLine soffit profiles that meet and exceed soffit ventilation requirements created by today's "Ridge Vent" systems.



For more information, call **888.784.0878**
or go to **qeventilation.com**.



The green is in us.

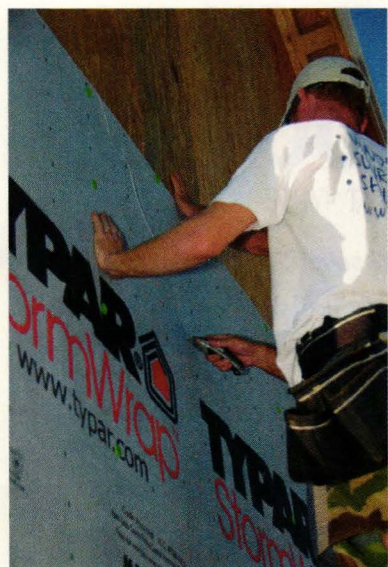
**PROUD SPONSOR OF THE SIXTH
ANNUAL REINVENTION SYMPOSIUM**

Reinvention 2009
Designing For The Future

hanley▲wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON



Start Smart—And Green—With The Typar® Weather Protection System

The Typar Weather Protection System—comprised of Typar® HouseWrap or Typar StormWrap™, a family of flashing products and construction tape—helps building professionals meet green building standards with cost-effective products that help create energy-efficient, comfortable, healthy homes.

Greater Energy Efficiency

The system contributes to the requirements for the ENERGY STAR® Qualified New Home program as an important component in the air sealing and insulating category. The Typar Weather Protection System protects residential structures from the damaging effects of moisture and air penetration.

Improved Indoor Air Quality

Using the Typar Weather Protection System for the building envelope reduces the risk of water intrusion, which can lead to mold growth, and other potentially damaging results that may have an adverse impact on indoor air quality.

Industry-Leading Warranty

The Typar Weather Protection System provides the added protection and security of the 10-year Start Smart limited warranty. It guarantees complete coverage of labor and material if the product fails after being properly installed. Individual Typar products are also backed with a lifetime limited product warranty.

First Green Approved Wrap

Typar weather-resistant barriers and flashing products have become the first of their product type to receive Green Approved labeling by the NAHB Research Center National Green Building Certification. The label is an assurance that products comply with specific green practice criteria in the National Green Building Standard™. The use of the entire Weather Protection System additionally qualifies for several U.S. Green Building Council's LEED® certifications for new residential construction.

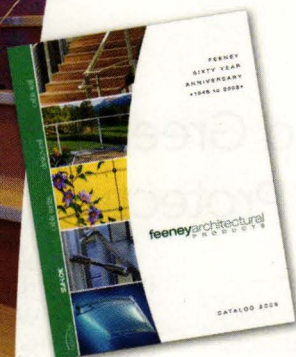


Visit typar.com/green or
GreenApprovedProducts.com
for additional information.



Free

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



feeneyarchitectural
PRODUCTS®

www.feeneyarchitectural.com

Go to <http://research.hotims.com> for more info

One Transitional Tub Two Distinctive Looks



The Marilyn transitional-design tub is a harmonic blend of styles that can be adapted to an individual's preference. The Marilyn tub walks the line between traditional and contemporary, with an optional base to create a more traditional look, or without a base for contemporary decors. The Marilyn can be specified as a soaker or air bath.



mtiwhirlpools.com | 1.800.783.8827

Go to <http://research.hotims.com> for more info



A FOUNTAIN OF YOUTH

IN A CONVENIENT TAKE HOME SIZE

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



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

Go to <http://research.hotims.com> for more info

downtime on the farm

migrant workers get a clean, eco-friendly place to call home.

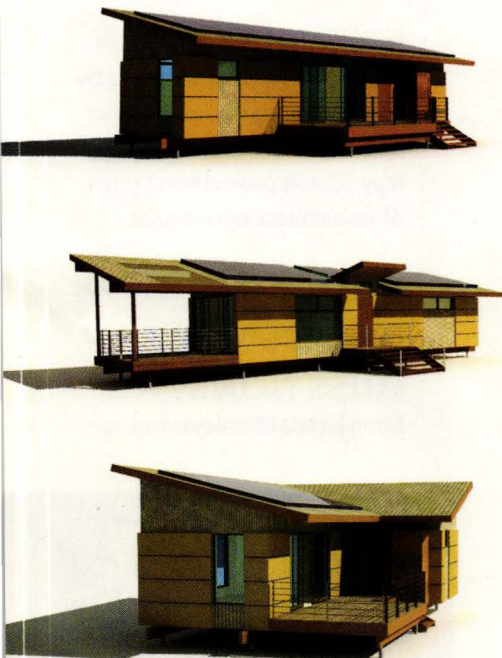


Mithun's green seasonal housing for migrant farmworkers will include energy-efficient windows, linoleum floors, advanced framing, and integrated solar panels on some units. Working with a grant from Enterprise Community Partners, the firm hopes to refine the prototype and sell the homes through fabricators to the farm community.

Imagine a cluster of 30 or so diminutive homes set on the edge of a large field, their compact rectangles topped with tilted roofs and punctuated with bright apple-green or ochre siding. This new crop of farmworker housing, designed by the Seattle firm Mithun, will soon grace two farms in Washington's Skagit Valley. But they're not just comfortable, stylish places for seasonal laborers to relax after a hard day in the orchards. Dubbed "light green," "green," and "bright green," the three modular prototypes offer increasing levels of environmentally friendly methods and materials. The bright green model makes as much energy

as it uses; all three offer flexible indoor and outdoor spaces for four people.

The 580-square-foot dwellings both nod to and update the utilitarian self-sufficiency of farm buildings. The project team's top priority was to provide comfort through shading, ventilation, and a semiprivate outdoor space attached to the house. "Most farmworker housing is fairly rudimentary—there's a door to the outside, and you're in common space on grass or dirt," explains principal Richard Franko, AIA, LEED AP. That airiness, and a color palette that pops, makes treasures out of simple boxes. "We want them to project a positive image," he says.—*cheryl weber, leed ap*



Renderings: Mithun / www.mithun.com

2010 call for entries

HONORING THE BEST IN HOUSING DESIGN

Enter your best projects in the 11th annual *residential architect design awards* and be recognized for your outstanding work in advancing residential design.

CATEGORIES (\$125)

1. Custom Home / 3,000 square feet or less
2. Custom Home / more than 3,000 square feet
3. Renovation (residential remodeling and additions)
4. Restoration / Preservation
5. Multifamily Housing
6. Single-Family Production Housing / detached
7. Single-Family Production Housing / attached
8. Affordable Housing
9. Adaptive Reuse
10. Campus Housing
11. Architectural Interiors

CATEGORIES (\$95)

12. Outbuilding
13. Kitchen
14. Bath
15. Architectural Design Detail
16. On the Boards

RECOGNITION

Winners will be featured in the May/June 2010 issue of *residential architect*, online at residentialarchitect.com, and honored at the Best in Housing Awards Dinner during the 2010 AIA Convention in Miami.

ELIGIBILITY

Entries should be submitted by an architect or designer. Other building industry professionals may submit projects on behalf of an architect or designer.

Any home or project completed after January 1, 2005.

QUESTIONS?

E-mail: rada@hanleywood.com

ONLINE REGISTRATION DUE
 November 9, 2009

COMPLETED ENTRY DUE
 December 9, 2009

Enter online at radesignawards.com.



the business of making art

is taking your hot product idea to market worth the headaches?

by nigel f. maynard

Bruce Tomb had no clear plans in 1984 when he hand-cast a basin for a gallery exhibition in Santa Clara, Calif. As an art piece, *Sacred Basin* was successful, but “it wasn’t done with the intent to become a product,” the San Francisco-based designer says. Perhaps, but it became just that soon thereafter, when Tomb was serving as project designer on the now-closed Clodagh Ross Williams store in New York City.

“I had a couple of castings that I had done in my attempt to make the first sink,” Tomb explains. “They were rather crude, and by most people’s standards they would be considered unacceptable.” But once installed in the store, the basin was a hit, generating numerous requests from customers. Eventually, as orders trickled in, he decided “it made sense to mass produce it.”

The move isn’t unusual; many well-known industrial design pieces began as singular objets d’art fashioned by architects before blossoming into modern design icons produced by major purveyors. Less common is the archi-

tect who assumes control of his product from the design phase all the way through manufacturing. For those who manage to pull it off, the rewards can be creatively fulfilling and financially lucrative, but the process is more arduous than it appears.

infinite possibilities

Tomb’s story had a happy ending. In addition to running his eponymous practice, he operates Infinite Fitting, a company that manufactures the sand-cast basins out of white or silicon bronze, brass, and aluminum. Tomb refined the earlier sink, making it more applicable for conventional installation (while keeping the spirit of the original). Although the company works with small local foundries, Infinite does the finishing and machining in its own shop.

Whitney Sander also got into the product biz by accident, when he moved to Los Angeles in 1999 and began designing his own house. “Because I had moved from another city, I didn’t have much of a client base here,” explains Sander, principal of Sander Architects. “I had all the time in the world, so I designed everything.” This included a resin sink that captured the imagination of visitors. As



Courtesy Infinite Fitting

Bruce Tomb turned his art piece for a gallery exhibit into the IF Basin, a full-scale product line that nicely supplements his firm’s bottom line.

more people asked for one of their own, Sander began producing them in quantity.

“At the time I was doing trade shows for my prefab Hybrid House, exhibiting at events such as CA Boom and Dwell on Design, so we put a sink in the corner [of our booths] and put a bunch of fliers next to it,” Sander recalls. “And folks started calling.” Sander partnered with a local fabricator for production, but his firm handled fulfillment and shipping. “We were turning

out 10 sinks a month at one point,” he says, “and at \$2,000 a pop, that was nice.”

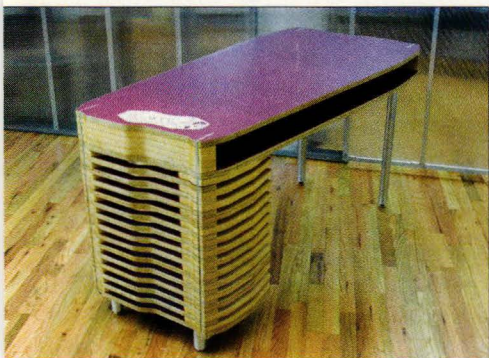
While some architects and designers stumble into a manufacturing opportunity, others, such as Brooklyn, N.Y.-based 4-ply, make it part of their business model. “Furniture, in a way, has been integral to the firm since our first project,” says partner Jeffrey Taras. “It was an office space, for which we did the design and made all of

continued on page 64

the furniture—24 desks and a conference table.” Eventually 4-pli started a sister company, Associated Fabrication, which makes the firm’s pieces.

industrial strengths

Compared to a small architecture firm producing sinks and furniture, the operations of established industrial design firms are far more sophisticated. London-based Jake Dyson Ltd. is comprised of a team of product designers and design engineers whose sole task is “coming up with new product ideas that are visually stunning and go where no one has gone before in providing innovative, functional benefits,” says principal Jake Dyson, son of the well-known vacuum designer.



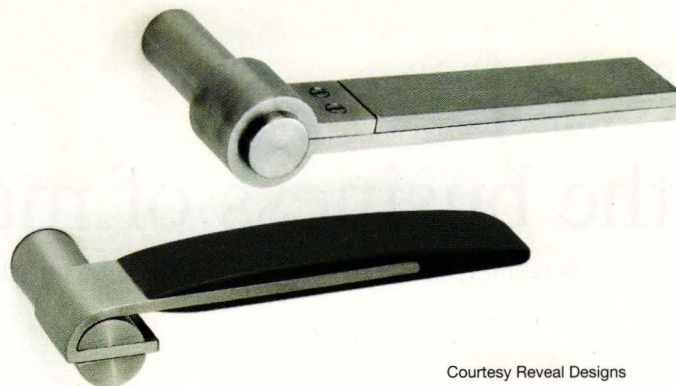
Courtesy 4-pli

4-pli offers furniture pieces, such as the Nesting Desk (above), that are customizable by size. Reveal Designs’ hardware—including (from top) the stainless steel BCJ Lever 1 by Bohlin Cywinski Jackson and the Bainbridge Lever by Cutler Anderson Architects—comes in a variety of standard and custom metals and wood species.

Dyson says his approach is to conceive a product and follow it through to the point of manufacture, which is “unusual in a world where product design typically is separate from the development and manufacturing side.” Having a “hands-on” approach to the process is essential, he adds.

But not all architects and designers have the time, money, or wherewithal to do this. Fortunately, companies such as Reveal Designs have emerged to fill the void. Founded in 2004 with the goal of licensing products designed by architects, Reveal discovered almost immediately that establishing manufacturing partners is hard. “It was very difficult getting things to move in a timely fashion,” says Scott Roskind, principal of the White Plains, N.Y.-based company. “So we started creating things on our own.”

Reveal works with such firms as Bohlin Cywinski Jackson and Cutler Anderson Architects to bring their architectural hardware and furniture to market. The beauty of working with Reveal, Roskind says, is that the architects aren’t encumbered by the business issues associated with doing so. The process is surprisingly simple. “I’ve literally had Jim [Cutler, FAIA] step off an airplane and say, ‘Hey, I drew something and I’m going to fax it to you,’” Roskind says. “We look at it with our manufacturer



Courtesy Reveal Designs

partner in the United States, get the sizing [and other details] right, and then we do a prototype.” Once approved, the product is manufactured and shipped to the company’s network of more than 50 high-end distributors. Each deal is different, but generally architects own the copyrights and patents on their work, and Reveal pays royalties on product sales.

double down?

For those looking to go it alone, be forewarned: bringing a product to market is no easy task. Having the artistic acumen to design what people want is important, but a solid business plan, marketing talent, and lots of money are essential. “There’s a lot of behind-the-scenes business that people don’t see,” Tomb warns. “Manufacturing is a really difficult endeavor. It’s very capital-intensive.” Taras agrees, adding, “If you don’t have the ability to go out to furniture shows and market yourself and also have capital to do all that while you’re waiting to get orders, it’s going to be hard.”

Even the seemingly simple things can be tricky. Sander cites packaging as a prime example. Finding properly sized boxes and

fittings so his sinks wouldn’t arrive damaged or dysfunctional took a good deal of time to resolve.

Conquering such issues doesn’t necessarily guarantee success either. In Sander’s case, the sinks simply grew too expensive to produce. The manufacturer who was making them “kept upping his price as he saw they were selling,” Sander recalls. “The margins kept getting thinner and thinner, and we just couldn’t make [enough] money” to justify continuing, so he shuttered the sink business in 2007. “I was born to be an architect, not a product manager,” he says. “Making sinks became a drag.”

Tomb concedes that operating your own manufacturing arm is difficult and time-consuming, but with those obstacles come certain rewards. “It definitely has created challenges for the firm, and it’s taken a considerable investment,” he says. But “it also has paid back and [supplemented] our income.” And the long-term value of a limited-production, architect-designed objet in a client’s house? Priceless. **ra**

For a Web-exclusive slide show of architect-designed products, visit www.residentialarchitect.com.

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

residentialarchitect.com ■ Complete archive of *residential architect* magazine

■ Continuing Education Center to earn necessary credits ■ Project Gallery, a searchable database of design articles including the *residential architect* design awards ■ Up-to-date information on new product trends through the Project Channel's "architect's choice" articles

■ ■ ■ Industry news,
market research,
job postings and
more. All online.
All the time.



After you've read everything in *residential architect* magazine, there's even more industry information waiting for you at *residential architect*'s Web site. Log on any time for up-to-the-minute news, market research, current statistics, online discussions, video demonstrations and instant access to job postings and job seekers. It's a complete multimedia resource that no one else can match.

***residential architect* Web site + *residential architect* magazine**
Working together to keep you informed.

residential
architect

hanley wood

re-think business as usual

Registration is now open!



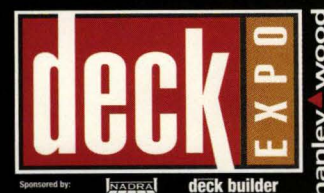
TheRemodelingShow.com

INDIANAPOLIS 2009

Exhibits: October 28 - 30
Conference: October 27 - 30

Indiana Convention Center
Indianapolis, Indiana USA

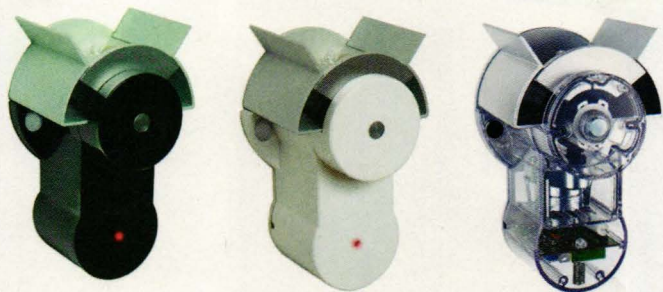
866.860.1964



DeckExpo.com

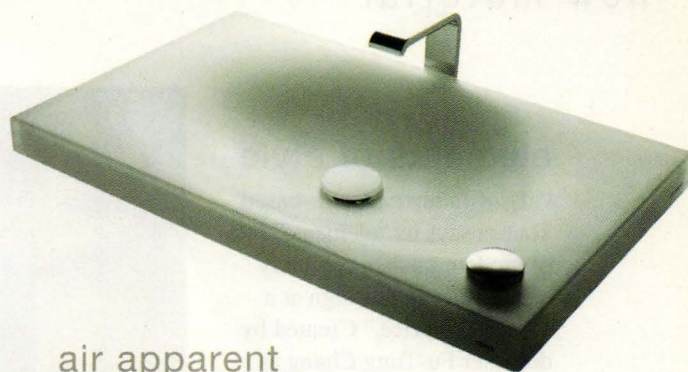
Exhibiting Inquiries: 800.681.6970

by nigel f. maynard



motor skills

Sometimes an architectural element can serve as a sculptural piece with a practical use. London-based designer Jake Dyson—son of famed vacuum purveyor Sir James Dyson—believes his new wall-mounted Motorlight is such a product. Touted as the world's first variable-angle uplight, the highly unusual piece can be adjusted for ambient or spot lighting. A remote control (sold separately) adjusts a motorized shutter and spreads the light beam at angles ranging from 10 degrees to 120 degrees. It's distributed exclusively through New York City's The Conran Shop in black or white gloss or clear glow. Jake Dyson Ltd., 44.20.7713.0188; www.jakedyson.com. The Conran Shop, 866.755.9079; www.conranusa.com.

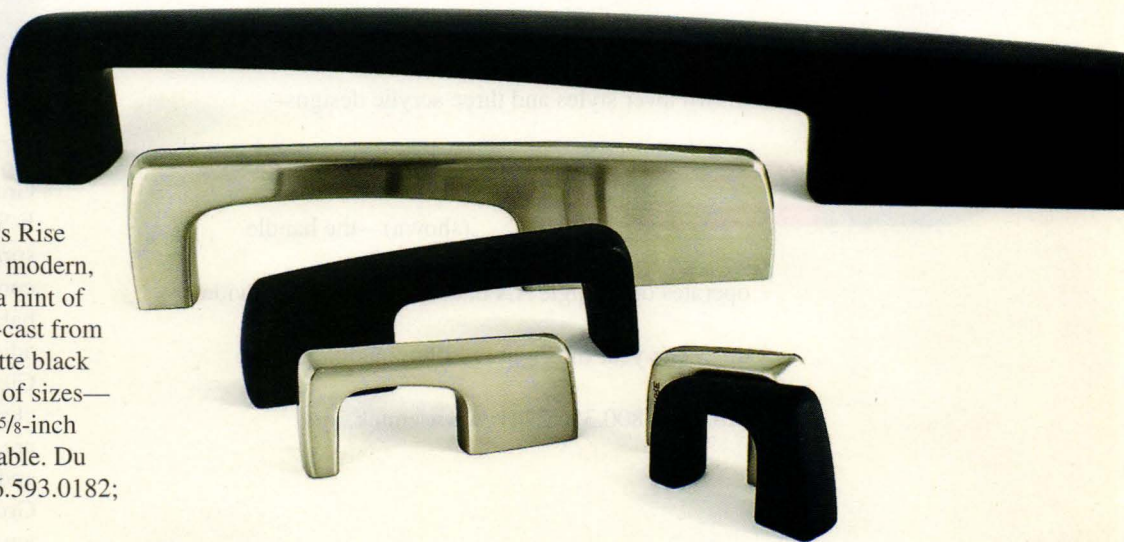


air apparent

Made from LUMINIST, a hybrid epoxy resin, the Neorest II lavatory exudes an ethereal vibe. The material gives the sink the translucent qualities of glass, along with both heat and scratch resistance. The sink's embedded LED light glows blue, light purple, dark purple, and red to indicate water temperature variations, while its control knob adjusts flow from the spout. TOTO USA, 888.295.8134; www.totousa.com.

upward pull

The clean design of Du Verre's Rise cabinet hardware is decidedly modern, but its sweeping curves offer a hint of the organic. Each piece is die-cast from recycled aluminum with a matte black or satin nickel finish. A range of sizes—from 2-inch finger pulls to 17 $\frac{3}{8}$ -inch extra-long handles—are available. Du Verre: The Hardware Co., 416.593.0182; www.duverre.com.



continued on page 68

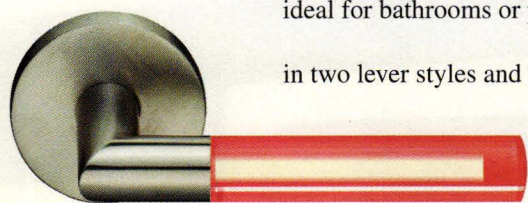
elements of style

City of Industry, Calif.-based Tonusa says its “elements” line of modern kitchen cabinetry offers “elevated design at a moderated price.” Created by designer Fu-Tung Cheng as an alternative to high-end European systems, elements is comprised of flexible components and integrated accessories priced from \$180 to \$250 per linear foot. Pieces are manufactured from environmentally responsible raw materials, among them FSC-certified bamboo and wood. Tonusa, 626.961.8700; www.tonusa.com.



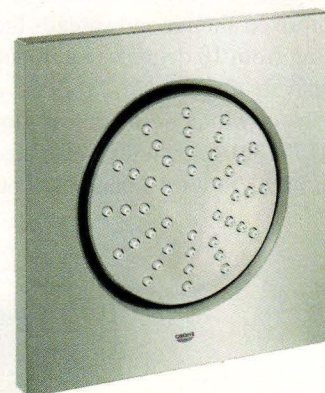
bright idea

Emtek's Brighthandle stainless steel levers boast acrylic handles that illuminate when the privacy function is engaged from the inside, making them ideal for bathrooms or powder rooms. Available in two lever styles and three acrylic designs—



including Aurora Fuse (shown)—the handle

operates on a single AA battery, which will provide up to one year of bright red illumination. Emtek Products, 800.356.2741; www.emtek.com.



flow going

Grohe's streamlined Rainshower F-Series showerheads and body sprays help create a minimalist, contemporary bath. Features include balanced water distribution, an adjustable flow rate, and “Speed-Clean” nozzles for easy showerhead cleaning. The low-profile fittings are available in 5-inch, 10-inch, and 20-inch square configurations. Grohe America, 630.582.7711; www.groheamerica.com.

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

closet & storage systems / stairs & molding

Reinvention 2009
Designing For The Future

hanley & wood

SEPTEMBER 14-16, 2009

FAIRMONT OLYMPIC HOTEL
SEATTLE, WASHINGTON

the new, new reality

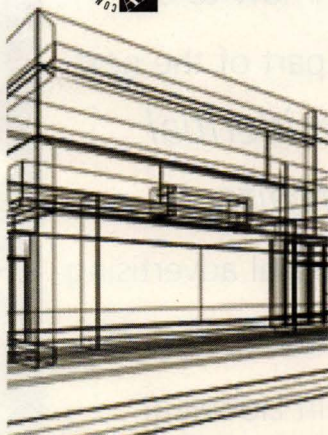
Join us for the sixth annual Reinvention Symposium and find out how architects are already redefining the scope, capacity, and relevance of their practices.

Symposium Highlights:

- ▶ Housing Tour featuring Seattle's finest homes
- ▶ 2009 *residential architect* Leadership Awards
- ▶ Green Design Charrette
- ▶ Special partnership with three top architecture organizations:
 - AIA Seattle
 - Congress of Residential Architecture (CORA)
 - Custom Residential Architects' Network (CRAN)



BONUS: Earn up to 15.25 AIA continuing education credits.



register today
reinventionconf.com

HARDWOOD LUMBER

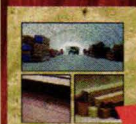
**Burls
Blocks
Veneers
Decking
Flooring
Plywood
Millwork
Mouldings**

**MORE THAN
100
SPECIES!**

Any length, any width,
any thickness
Rough cut or milled
to spec

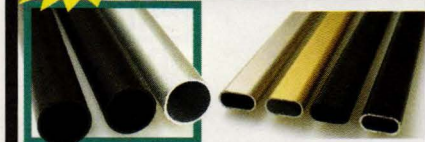
**Call for a FAST,
FREE QUOTE**

**ASK FOR
FREE
CATALOG!**



250 Ferris Avenue, White Plains, NY 10603
Phone: (914) 946-4111 • Fax: (914) 946-3779
www.condonlumber.net

FREE SHIPPING! WE SELL CLOSET RODS AT THE LOWEST PRICES!



Aluminum Round 8-ft. 1-5/16" Dia. Closet Rod [5/16" Wall Thickness, 2-3/4" OD] Stocked in Satin Brass, Satin Chrome and Oil Rubbed Bronze Finishes

Closet Rod Type: S84	Quantity <1 Case*	Quantity 1 Case	Quantity 3+ Cases
Aluminum Round	\$2.50/foot	\$2.19/foot	\$1.46/foot

Aluminum Oval 8-ft. 1-3/16" x 19/32" Closet Rod [1/16" Wall Thickness] Stocked in Satin Brass, Satin Chrome and Oil Rubbed Bronze Finishes

Closet Rod Type: S84	Quantity <1 Case*	Quantity 1 Case	Quantity 3+ Cases
Aluminum Oval	\$1.90/foot	\$1.34/foot	.99¢/foot

Steel Oval 8-ft. 1-1/8" x 9/16" Closet Rod [16 Gauge] Stocked in Polished Chrome and Oil Rubbed Bronze Finishes

Closet Rod Type: S84	Quantity <1 Case*	Quantity 1 Case	Quantity 3+ Cases
Steel Oval	.98¢/foot	.89¢/foot	.66¢/foot

Purchase 10 full cases in any combination and receive Free Ground Shipping in the Continental USA! (Excludes AK & HI)

FREE 1,000+ Page Master Catalog!

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

ARCHITECTURAL PRODUCTS BY OUTWATER

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

1-800-835-4400 (Sales)

Fax 1-800-835-4403

www.outwater.com

New Jersey • Arizona • Canada

*One full case contains 20 Closet Rods.

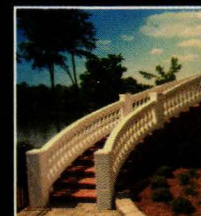
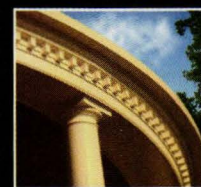
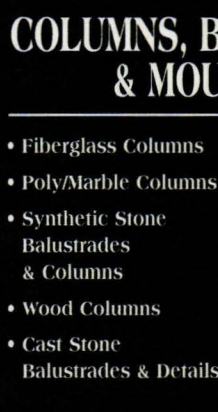
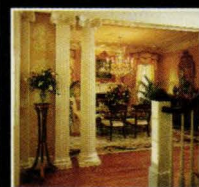
The Free Shipping offer expires October 31, 2009



COLUMNS, BALUSTRADES & MOULDINGS

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

Custom Quotations:
800-963-3060

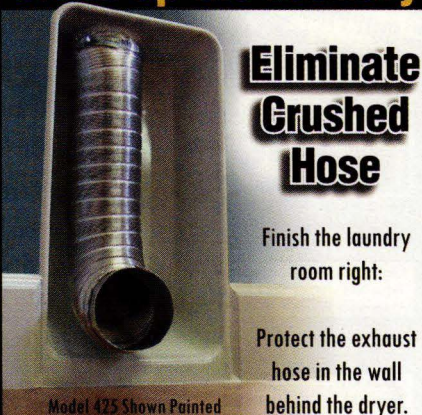


Melton Classics
Incorporated
www.MeltonClassics.com



architect's showcase

Clean up the Laundry



Model 425 Shown Painted

Eliminate Crushed Hose

Finish the laundry room right:

Protect the exhaust hose in the wall behind the dryer.

the dryerbox®

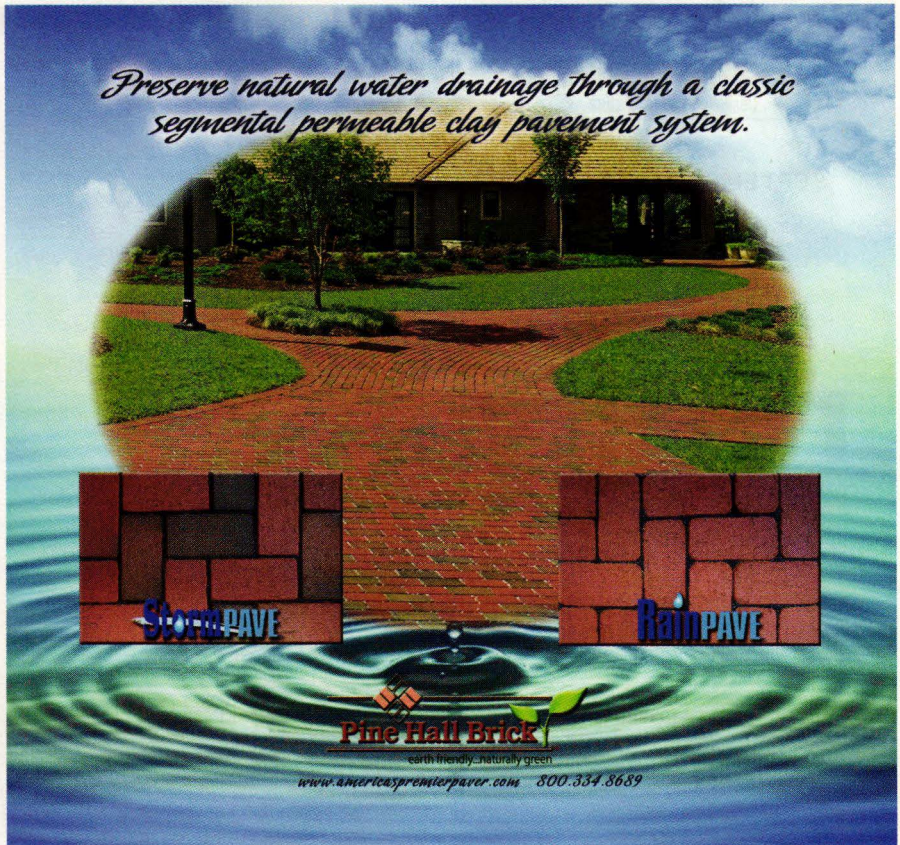
Specify a cleaner finish for exhausting the dryer and reduce a real fire hazard.

In-O-Vate
Technologies Inc



888-443-7937 • www.Dryerbox.com

Preserve natural water drainage through a classic segmental permeable clay pavement system.



High Performance Waterproofing and Gas Barrier Systems

epro
Waterproofing Systems
800-882-1896 • www.eproserv.com

Epro Design

- Composite Technology (laminated components)
- Field Installed
- Monolithic
- Highly Adhesive
- Flexible Component Selection

Purpose of Design

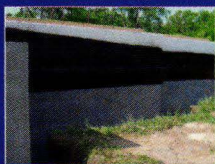
- Superior Strength
- Simplifies Leak Detection
- Reduces the Effects of Future Movement
- Redundancy of Protection
- Maximizes Drainage Planes
- Custom Design for Special Requirements

Complete Redundancy

- Monolithic and Fully Bonded Barrier
- Multiple Waterproofing Barriers
- Multiple Protection and Drainage Courses

Application Systems

- ICF Construction
- Concrete and Block Walls
- Blindsides
- Beneath Slab
- Between Slab and Deck



FOR INFORMATION

on how to be
a part of the next
residential
architect
special advertising
section, contact
Erin Liddell at
773.824.2445.

hanley▲wood

ad index

advertiser	page	phone no.	website/e-mail
AZEK Trim	1	—	www.azek.com
Cosella-Dorken	21	888-4DELTA4	www.deltaroofofunderlayments.com
Designer Doors	48, 49	800-241-0525	www.designerdoors.com
Feeney Architectural Products	28, 60	800-888-2418	www.feeneyarchitectural.com
Hanley Wood University	25	202-736-3447	jpearce@hanleywood.com
Hanover Architectural Products	29, 31	800-426-4242	www.hanoverpavers.com
InSpire Roofing by the Tapco Group	22	—	www.theTapcoGroup.com
Knauf Insulation	46, 50-51	800-825-4434 ext. 8300	www.knaufinsulation.us
LiteSteel beam	8	877-285-2607	www.LiteSteelbeam.com
Marflex Building Solutions	3, 57	800-498-1411	www.MarflexBuildingSolutions.com
Marvin Windows & Doors	26, 27	—	myMarvin.com, marvincasement.com
Modern Fan Company	4	—	www.modernfan.com
MTI Whirlpools	60	800-783-8827	www.mtiwhirlpools.com
NELMA	24	—	www.nelma.org
Panasonic	C2	866-292-7292	www.panasonic.com/architect
PERC	17, 40a-d, 56	—	buildwithpropane.com
Pinnacle Premium Sub-Flooring / Norbord	5	—	www.pinnacleOSB.com
Quality Edge	24a-p, 58	888-784-0878	www.qeventilation.com
Reinvention Symposium	10-11	—	www.reinventionconf.com
residential architect Design Awards	62	—	www.radesignawards.com
residential architect Online	65	—	www.residentialarchitect.com
Sherwin-Williams	52, 53	800-321-8194	www.sherwin-williams.com
Simpson Strong-Tie	6	800-999-5099	www.strongtie.com
Smart Vent	6	877-441-8368	www.smartvent.com
SoftPlan	2	800-248-0164	www.softplan.com
StoneCraft by the Tapco Group	30	—	www.theTapcoGroup.com
SwimEx	60	800-877-7946	www.swimex.com
The Remodeling Show / Deck Expo	66	866-860-1964	www.TheRemodelingShow.com, www.DeckExpo.com
The Tapco Group	54, 55	248-668-6400	www.theTapcoGroup.com, www.tapcoint.com
Tile of Spain	14	305-446-4387	miami@mcx.es
Typar StormWrap	C4, 59	—	www.typar.com/stromwraptest.com
Versatex	C3	724-857-1111	www.versatex.com
Weather Shield Windows & Doors	32, 33	800-477-6808	www.weathershield.com

* Issue mailed in regional editions.

workspace

mckinney york architects

austin, texas

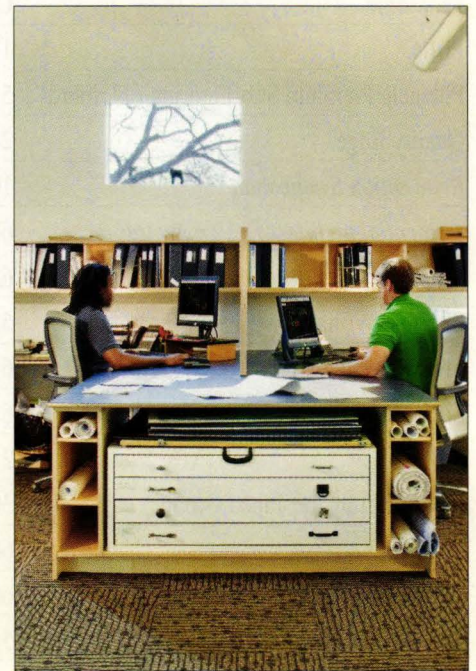
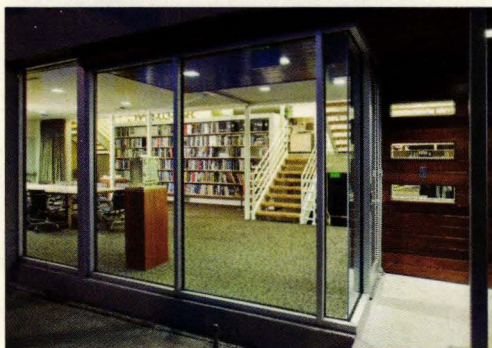
www.mckinneyyork.com

Austin, Texas-based McKinney York Architects often weaves sustainable design ideas into its work. So when the 14-person firm moved into a building in the East Austin neighborhood last year, it worked hard to make the cost-conscious renovation as green as possible. "Where we were already going to have to spend money, we did it in the most sustainable way we could," says principal Heather McKinney, FAIA, LEED AP.

She and her partners focused in particular on lowering energy and water consumption, with a carbon-neutral office as their long-term goal. They replaced

existing single-pane windows with low-E double glazing, which reduced street noise and heating bills. The bathroom features low-flow fixtures and super-efficient Dyson Airblade hand dryers. And McKinney says the firm hopes to eventually install solar panels on the building's flat roof.

McKinney York also considered the environmental impact of employees' commutes. The firm chose a location close to a rail station, making public transportation a convenient option. Additionally, it installed showers for staff members who bike to work.—*meghan drueding*



Photos: Thomas McConnell