McGraw-Hill CONSTRUCTION
06 2008
$9.95 A PUBLICATION OF THE MCGRAW-HILL COMPANIES www.architecturalrecord.com

# ARCHITECTURAL RECORD

## Building Texture

HERZOG & DE MEURON, GWATHMEY, RICHÄRD + BAUER, ENDO

**CEILING & WALL** SYSTEMS

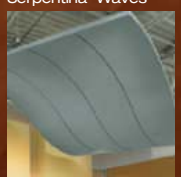
[ Between us, ideas become reality.]®

# under the big top

With the greatest of ease, our new Ceiling and Wall Systems will dazzle the senses and create a sense of awe. Step right up to booth 1094 at the 8th floor of NeoCon.

visit **armstrong.com/neocon** call **1-877-ARMSTRONG**

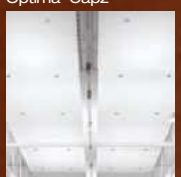
Serpentina® Waves



SoundScapes® Shapes

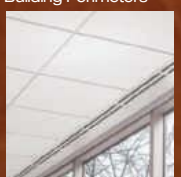
Infusions® Graphix

Optima® Capz™



WoodWorks Ekos™

Axiom® Building Perimeters



CIRCLE 01

# Richter on Brick.

Architect: Richter Architects
Design Principals: David Richter, FAIA
Elizabeth Chu Richter, FAIA
Client: Texas Department of Transportation
Completed: 2003

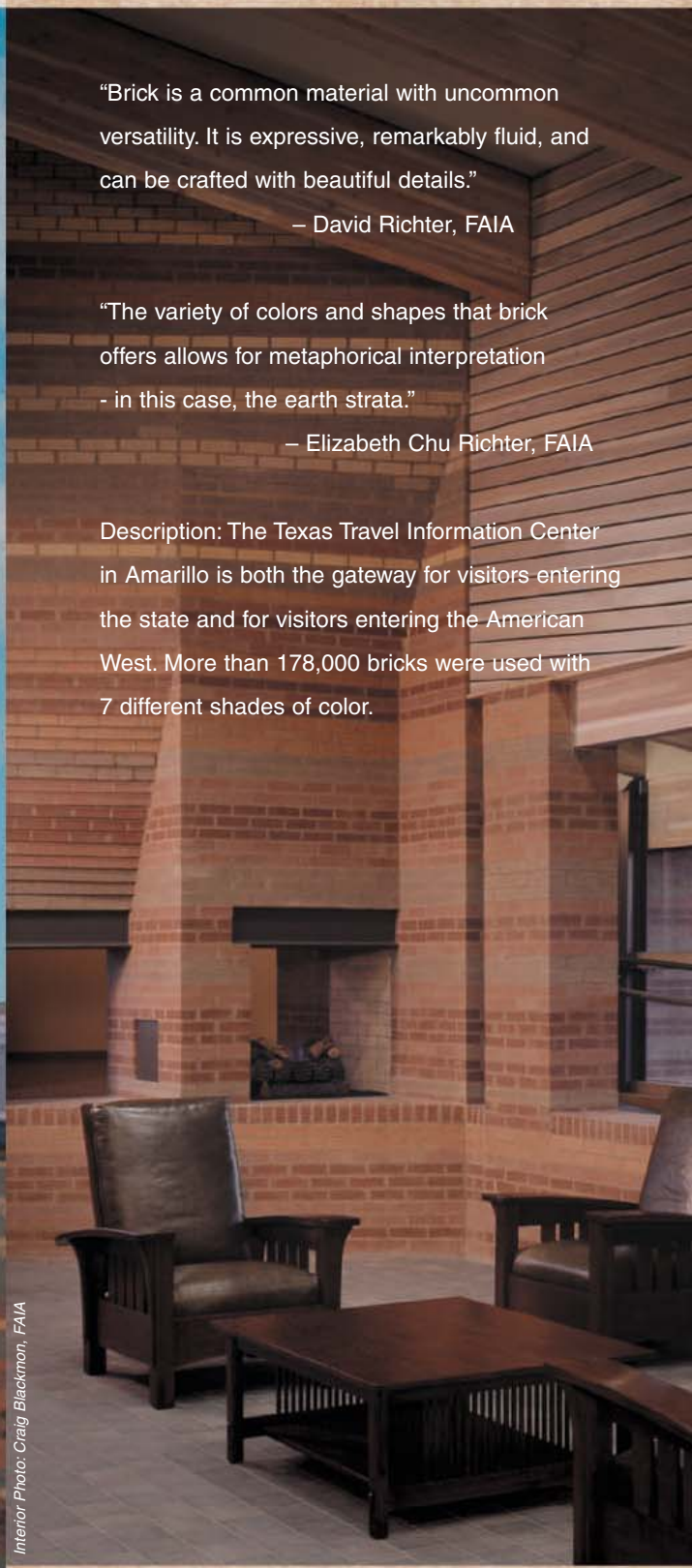
"Brick is a common material with uncommon versatility. It is expressive, remarkably fluid, and can be crafted with beautiful details."

– David Richter, FAIA

"The variety of colors and shapes that brick offers allows for metaphorical interpretation - in this case, the earth strata."

– Elizabeth Chu Richter, FAIA

Description: The Texas Travel Information Center in Amarillo is both the gateway for visitors entering the state and for visitors entering the American West. More than 178,000 bricks were used with 7 different shades of color.



*Interior Photo: Craig Blackmon, FAIA*

THE BRICK INDUSTRY

Clay Brick – The Most Sustainable Green Building Material Made.

www.gobrick.com/find_brick_architect

CIRCLE 02

Landmark
Collection:
A fresh take on
familiar themes

Towne Square™

landscapeforms®
800.430.6208 • landscapeforms.com

CIRCLE 04

ARCHITECTURAL RECORD

Robert Ivy, FAIA, rivy@mcgraw-hill.com
C7D7=?D=;:?JEH — Beth Broome, elisabeth_broome@mcgraw-hill.com

:;FKJO;:?JEHI — Clifford A. Pearson, pearsonc@mcgraw-hill.com
Suzanne Stephens, suzanne_stephens@mcgraw-hill.com
Charles Linn, FAIA, Profession and Industry, linnc@mcgraw-hill.com

I;D?EH;:?JEHI — Jane F. Kolleeny, jane_kolleeny@mcgraw-hill.com
Joann Gonchar, AIA, joann_gonchar@mcgraw-hill.com
Josephine Minutillo, josephine_minutillo@mcgraw-hill.com

FHE:K9JI;:?JEH — Rita Catinella Orrell, rita_catinella@mcgraw-hill.com
D;MI;:?JEH — Jenna M. McKnight, jenna_mcknight@mcgraw-hill.com

FHE:K9J?EDC7D7=;H — Juan Ramos, juan_ramos@mcgraw-hill.com
9EFO;:?JEH — Leslie Yudell, leslie_yudell@mcgraw-hill.com

:;FKJO7HJ:?H;9JEH — Kristofer E. Rabasca, kris_rabasca@mcgraw-hill.com
7IIE9?7J;7HJ:?H;9JEH — Encarnita Rivera, encarnita_rivera@mcgraw-hill.com
9EDJH?8KJ?D=:,I?=D;H — Clifford Rumpf, clifford_rumpf@mcgraw-hill.com
?BBKIJH7JEH — I-ni Chen

;:?JEH?7BIKFFEHJ — Linda Ransey, linda_ransey@mcgraw-hill.com
Monique Francis, monique_francis@mcgraw-hill.com

;:?JEH?7B7II?IJ7DJI — Jennifer Richter, jennifer_richter@mcgraw-hill.com
Sebastian Howard, sebastian_howard@mcgraw-hill.com

9EDJH?8KJ?D=;:?JEHI — Sarah Amelar, Raul Barreneche, Robert Campbell, FAIA, Andrea Oppenheimer Dean, David Dillon, Lisa Findley, Sara Hart, Blair Kamin, Nancy Levinson, Jayne Merkel, Robert Murray, Andrew Pressman, FAIA, Nancy B. Solomon, AIA, Michael Sorkin, Michael Speaks, Ingrid Spencer

IF;9?7B?DJ;HD7J?ED7B9EHH;IFED:;DJ — Naomi R. Pollock, AIA
?DJ;HD7J?ED7B9EHH;IFED:;DJI — David Cohn, Claire Downey, Tracy Metz

M;8:;I?=D:?H;9JEH — Susannah Shepherd, susannah_shepherd@mcgraw-hill.com
M;8FHE:K9J?ED — Laurie Meisel, laurie_meisel@mcgraw-hill.com

C9=H7M#›?BB9EDIJHK9J?EDC;:?7

L?9;FH;I?:;DJ"=HEKFFK8B?I›;H — James H. McGraw, IV
L?9;FH;I?:;DJ"?DJ;=H7J;:C;:?7 — Laura Viscusi
:?H;9JEH"C7HA;J?D=9ECCKD?97J?EDI — Deborah Smikle-Davis
:?H;9JEH"799EKDJ C;:?7I;HL?9;I — Brenda Griffin
:?H;9JEH"‹?D7D9?7BEF;H7J?EDI — Ike Chong

L?9;FH;I?:;DJ"C;:?7I7B;I — Paul Bonington
L?9;FH;I?:;DJ"9?H9KB7J?ED — Maurice Persiani
L?9;FH;I?:;DJ"9KIJECFK8B?97J?EDI — Mark Kelly
:?H;9JEH"9H;7J?L;I;HL?9;I — Susan Valentini

=HEKFFHE:K9JI;:?JEH — Rita Catinella Orrell
M;8:;I?=D:?H;9JEH — Susannah Shepherd

;:?JEH?7B:?H;9JEH"=?=?J7BC;:?7 — Bryant Rousseau
L?9;FH;I?:;DJ";:?JEH?7B:?H;9JEH — Robert Ivy, FAIA

C9=H7M#›?BB9EDIJHK9J?ED

FH;I?:;DJ — Norbert W. Young, FAIA
L?9;FH;I?:;DJ"9EDJ;DJ FHE:K9J?ED — Tim Ryan
L?9;FH;I?:;DJ"J;9›DEBE=O — John P. Banks
L?9;FH;I?:;DJ" 7D7BOJ?9I 7BB?7D9;I — Harvey Bernstein
L?9;FH;I?:;DJ" C7HA;J?D= FHE:K9J:;L;B$ — Potoula Chresomales

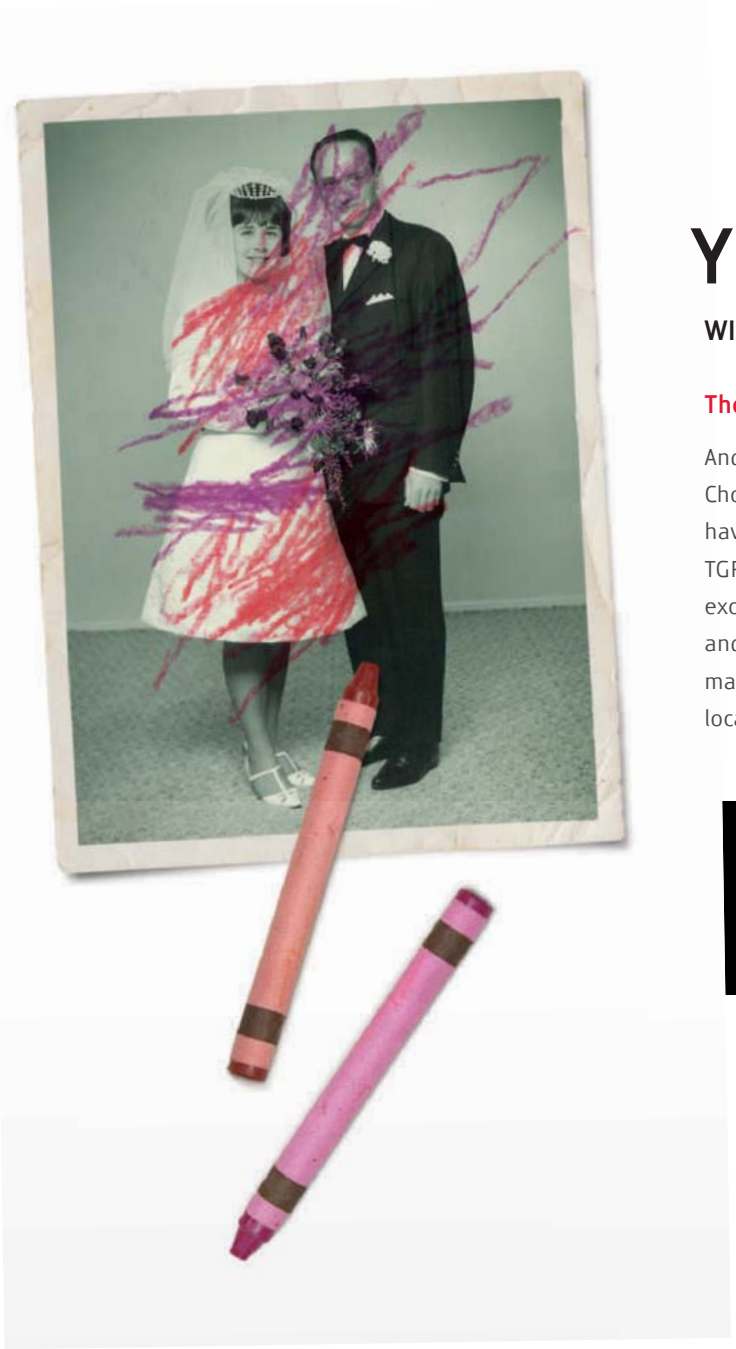
E (ISSN 0003-858X) June 2008. Vol. 196, No. 5. Published monthly by The McGraw-Hill Companies, 1221 Avenue of the Americas, New York, N.Y. 10020. Periodicals postage paid at New York, N.Y. and additional mailing offices. Canada Post International Publications Mail Product Sales Agreement No. 40012501. Return undeliverable Canadian addresses to: DPGM Ltd., 2-7496 Bath Road, Mississauga, ON L4T 1L2. Email: arhcustserv@cdsfulfillment.com. Registered for GST as The McGraw-Hill Companies. GST No. R123075673. FeijcWij[h0 Please send address changes to ARCHITECTURAL RECORD, Fulfillment Manager, P.O. Box 5732, Harlan, IA 51593. IK8I9H?FJ?ED0 Rates are as follows: U.S. and Possessions $70.30; Canada and Mexico $79 (payment in U.S. currency, GST included); outside North America $199 (air freight delivery). Single copy price $9.95; for foreign $11. Subscriber Services: 877/876-8093 (U.S. only); 515/237-3681 (outside the U.S.); fax: 712/755-7423. IK8C?II?ED10 Every effort will be made to return material submitted for possible publication (if accompanied by stamped, self-addressed envelope), but the editors and the corporation will not be responsible for loss or damage. IK8I9H?FJ?EDB?IJKI7=;0 Advertisers may use our list to mail information to readers. To be excluded from such mailings, send a request to ARCHITECTURAL RECORD, Mailing List Manager, P.O. Box 555, Hightstown, N.J. 08520. E‹‹?9;HIE‹J›;C9=H7M#›?BB9ECF7D?;I0 Chairman, President and Chief Executive Officer: Harold McGraw III. Executive Vice President and Chief Financial Officer: Robert J. Bahash. Executive Vice President, Human Resources: David L. Murphy. Senior Vice President and General Counsel: Kenneth M. Vittor. Principal Operating Executives: Kathleen A Corbet, President, Standard & Poors; Henry Hirschberg, President, McGraw-Hill Education; Glenn S. Goldberg, President, McGraw-Hill Information and Media Services. 9EFOH?»J 7D: H;FH?DJ?D=0 Title ® reg. in U.S. Patent Office. Copyright © 2007 by The McGraw-Hill Companies. All rights reserved. Where necessary, permission is granted by the copyright owner for libraries and others registered with the Copyright Clearance Center (CCC), 222 Rosewood Drive, Danvers, Mass. 01923. To photocopy any article herein for personal or internal reference use only for the base fee of $1.80 per copy of the article plus ten cents per page, send payment to CCC, ISSN 0003-858X. Copying for other than personal use or internal reference is prohibited without prior written permission. Write or fax requests (no telephone requests) to Copyright Permission Desk, ARCHITECTURAL RECORD, Two Penn Plaza, New York, N.Y. 10121-2298; fax 212/904-4256. For reprints call 800/360-5549 X 129 or e-mail architecturalrecord@theygsgroup.com. Information has been obtained by The McGraw-Hill Companies from sources believed to be reliable. However, because of the possibility of human or mechanical error by our sources, The McGraw-Hill Companies or ARCHITECTURAL RECORD does not guarantee the accuracy, adequacy, or completeness of any information and is not responsible for any errors or omissions therein or for the results to be obtained from the use of such information of for any damages resulting there from.

;:?JEH?7BE‹‹?9;I0 212/904-2594. Editorial fax: 212/904-4256. Email: rivy@mcgraw-hill.com. Two Penn Plaza, New York, N.Y. 10121-2298. M;8I?J; :ArchitecturalRecord.com.

McGraw Hill CONSTRUCTION ABC MPA The McGraw-Hill Companies

PRINTED IN USA

ademark of Pilkington plc. Technical Glass Products, One Source. Many Solutions. and Fireglass are registered trademarks of Technical Glass Products.



# YOUR 2-YEAR-OLD.

## WITH CRAYONS, AND THE FAMILY PHOTO ALBUM.

**There are obviously some things you can't trust.**

And then there is something you always can—Technical Glass Products. Choosing fire-rated glass demands choosing a company in which you have the highest level of trust. That's why it makes sense to work with TGP, a leader that's provided unequaled product quality and service excellence for decades. We offer an impressive array of fire-rated glass and framing systems. Our products carry fire ratings up to 3 hours, maintain complete UL approvals, and are accepted by all state and local authorities having jurisdiction. Trust us, TGP is all you need.

**fireglass.com**
800.426.0279

Pilkington **Pyrostop**™ | **FireLite**® Family of Products

TGP FIRE RATED
one source. many solutions.®

CIRCLE 05

Exceeds all ASTM C902 requirements.

Clay pavers can contribute to design strategies for LEED certification.

Size consistent and versatile - often reversible.

Extremely durable - strong and colorfast.

Low environmental impact for manufacturing and building operation and maintenance.

New Permeable Pavers Available:

RainPAVE StormPAVE

Pine Hall Brick
earth friendly...naturally green

P.O. Box 11044
Winston-Salem, NC 27116-1044
800.334.8689
www.americaspremierpaver.com

# ARCHITECTURAL

L?9;FH;I?:;DJFK8B?I>;H — Laura Viscusi, laura_viscusi@mcgraw-hill.com
L?9;FH;I?:;DJ"C;:?7I7B;I — Paul Bonington, paul_bonington@mcgraw-hill.com

:?H;9JEH"C7HA;J?D=9ECCKD?97J?EDI — Deborah Smikle-Davis, deborah_smikle-davis@mcgraw-hill.com
L?9;FH;I?:;DJ"9?H9KB7J?ED — Maurice Persiani, maurice_persiani@mcgraw-hill.com
:?H;9JEH"9?H9KB7J?ED — Brian McGann, brian_mcgann@mcgraw-hill.com

:?H;9JEH"9H;7J?L;I;HL?9;I — Susan Valentini, susan_valentini@mcgraw-hill.com
FHE:K9J?EDC7D7=;H — Stephen R. Weiss, stephen_weiss @mcgraw-hill.com
799EKDJI;HL?9;I"9EDJ?DK?D=;:$ — Robyn Feller, robyn_feller@mcgraw-hill.com
:;I?=DI;HL?9;I — Angela Haliski, angela_haliski@mcgraw-hill.com
Matthew Healy, matthew_healy@mcgraw-hill.com
Hector Gonzalez, hector_gonzalez@mcgraw-hill.com

:?H;9JEH"I7B;I"FHE:K9JD;MI — Janet McLiverty, janet_mcliverty@mcgraw-hill.com

:?H;9JEH"<?D7D9?7BEF;H7J?EDI — Ike Chong, ike_chong@mcgraw-hill.com,
8KI?D;IIC7D7=;H — Tom Maley, tom_maley@mcgraw-hill.com

7II?IJ7DJ"C;:?7:;F7HJC;DJ — Pina Del Genio, pina_delgenio@mcgraw-hill.com

I D I I

D E I

DE I (Connecticut, Delaware, Massachusetts, Maine, New Hampshire, New York, New Jersey, Rhode Island, Vermont, Eastern PA)
Joseph Sosnowski - phone: (610) 278-7829 Fax: (610) 278-0936 Email: joseph_sosnowski@mcgraw-hill.com

IEKJ›;7IJ0 (District of Columbia, Florida, Georgia, Kentucky, Maryland, North Carolina, South Carolina, Tennessee, Virginia, West Virginia, Western PA)
Susan Shepherd - Phone: (859) 987-99913 Fax: (404) 252-4056 Email: susan_shepherd@mcgraw-hill.com

C?:M;IJ0 (Ohio, Illinois, Indiana, Kansas, Michigan, Nebraska, North Dakota, South Dakota, Wisconsin, Eastern Canada)
Lisa Nelson - phone: (312) 233-7402 Fax: (312) 233-7403 Email: lisa_nelson@mcgraw-hill.com

IEKJ›M;IJI9;DJH7B0 (Alabama, Arkansas, Iowa, Louisiana, Minnesota, Missouri, Mississippi, Oklahoma, Texas)
Bret Ronk - phone: (972) 437-7877 Fax: (972) 437-7876 Email: bret_ronk@mcgraw-hill.com

DEHJ›M;IJ0 (Alaska, Idaho, Oregon, Washington, Utah, Montana, Western Canada)
Bill Madden - phone: (503) 224-3799 Fax: (503) 224-3899 Email: bill_madden@mcgraw-hill.com

F9K90 (AR, CA, CO, NM, NV, HI) Sherylen Yoak – Phone: (760) 568-0465 Fax: (720) 559-9818 Email: Sherylen_yoak@mcgraw-hill.com

7IIE9?7J?ED10 Charles Fagan - phone: (212) 904-2547 Fax: (312) 233-7488 Email: charles_fagan@mcgraw-hill.com

J;9›DEBE=O0 Mark Glasner - phone: (415) 357-8191 Fax: (415) 357- 8005 Email: mark_glasner@mcgraw-hill.com

MEHA<EH9;§H;9HK?JC;DJ0 Gilda Falso - phone: (212) 904-2422 Fax: (212) 904-2074
Email: gilda_falso@mcgraw-hill.com, Diane Soister - phone: (212) 904-2021 Fax: (212) 904-2074
Email: diane_soister@mcgraw-hill.com

FHE:K9JD;MIIFEJB?=›J0 Elise Rutkowsky - phone: (609) 426-7738 fax: (609) 426-7136 Email: elsie_rutkowsky@mcgraw-hill.com, Kameesha Saunders - phone: (609) 426-7703 Fax: 609-426-7136 Email: kameesha_saunders@mcgraw-hill.com, Evan Lauro - phone: (609) 426-7024 fax: (609) 426-7738 Email: evan_lauro@mcgraw-hill.com

?DJ;HD7J?ED7B

=;HC7DO0 Martin Drueke - phone: (49) 202-27169-12 Fax: (49) 202-27169-20 Email: drueke@intermediapartners.com
?J7BO0 Ferruccio Silvera - phone: (39) 022-846716 Fax: (39) 022-893849 Email: ferruccio@silvera.it
@7F7D0 Katsuhiro Ishii - phone: (03) 5691-3335 Fax: (03) 5691-3336 Email: amkatsu@dream.com
AEH;70 Young-Seoh Chin - phone: (822) 481-3411/3 Fax: (822) 481-3414

M;8I?J; : ArchitecturalRecord.com. 7:L;HJ?I?D=0 Pina Del Genio: 212/904-6791, AR.advertising@mcgraw-hill.com.

IK8I9H?8;HI;HL?9;0 877/876-8093 (U.S. only). 515/237-3681 (outside the U.S.). Subscriber fax: 712/755-7423. E-mail: arhcustserv@cdsfulfillment.com. If the Post Office alerts us that your magazine is undeliverable, we have no further obligation unless we receive a corrected address within one year. AIA members must contact the AIA for address changes on their subscriptions. 800/242-3837. E-mail: memberservices@aia.org. ?DGK?H?;I7D:IK8C?II?ED10 Letters, Robert Ivy; Practice, Charles Linn; Books, Clifford Pearson; Products, Rita Catinella Orrell; Lighting and Interiors, Clifford Pearson; Residential, Jane F. Kolleeny; Architectural Technology, Joann Gonchar; Web Editorial, Bryant Rousseau.

H;FH?DJ0 architecturalrecord@theygsgroup.com. 879A?IIK;I0 Call 877/876-8093, or go to archrecord.com/backissues/

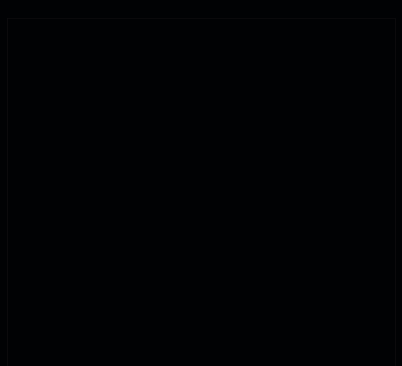
Marshall E. Purnell, FAIA, President; Marvin J. Malecha, FAIA, First Vice President; Peter Arsenault, AIA, LEED AP, Vice President; Clark Manus, FAIA, Vice President; George Miller, FAIA, Vice President; Miguel Rodriguez, AIA, Vice President; David R. Proffitt, AIA, Secretary; Hal Munger, FAIA, Treasurer; Evelyn Lee, Assoc. AIA, Associate Representative to the Executive Committee; Bonnie Staiger, CACE Representative to the Executive Committee; Christine McEntee, Executive Vice President/CEO :?H;9JEHI0 Dennis A. Andrejko, AIA; Donald Barsness, AIA; Fredric M. Bell, FAIA; Thomas B. Braham, AIA; Frederick F. Butters, FAIA; Andrew C. Caruso, Assoc. AIA, LEED AP; Stephan Castellanos, FAIA; Kevin J. Connolly, AIA; Anthony Costello, FAIA; David Del Vecchio, AIA; James Determan Jr., AIA; James H. Eley, FAIA; Erica Rioux Gees, AIA; Maureen A. Guttman, AIA; Walter J. Hainsfurther, AIA; Mickey Jacob, AIA; Diane Van Buren Jones; Leevi Kiil, FAIA; Peter G. Kuttner, FAIA; Anne Laird-Blanton, AIA; Ralph Lerner, FAIA; Stephen K. Loos, AIA; R. Kent Mather, AIA; John Maudlin-Jeronimo, FAIA; Thompson Nelson, FAIA; Terrence E. O'Neal, AIA; Patrick T. Onishi, AIA; John A. Padilla, AIA; Jeffery Potter, AIA; Trula H. Remson, AIA; John W. Rogers, AIA, ACHA; Ken Ross, FAIA; William J. Stanley III, FAIA; James M. Suehiro, AIA, LEED AP; David A. Thurm; Jaclyn S. Toole, Assoc. AIA; Pamela M. Touschner, AIA; Edward W. Tucker, AIA; Edward J. Vidlak, AIA; Enrique A. Woodroffe, FAIA; Edward T. Zeigler Jr., AIA 777;N;9KJ?L;J;7C0 Christine W. McEntee, Executive Vice President/CEO; Beth Bush, Vice President, Member Value and Communications; Michael P. Hoagland, SPHR, CAE, Vice President, Human Resources; Paul T. Mendelsohn, Vice President, Government and Community Relations; Kevin Novak, Vice President, Integrated Web Strategy and Technology; Barbara J. Sido, CAE, Vice President, Knowledge & Professional Practice; Jay A. Stephens, Esq., General Counsel & Vice President; Elizabeth Stewart, Esq., Vice President, Strategy & Business Development 777C7D7=C;DJ9EKD97B0 Mark Carpenter, Managing Director, Soloso; Karen Davis, Senior Director, Strategic Planning; David Downey, CAE, Assoc. AIA, Managing Director, Center for Communities by Design; Helene Combs Dreiling, FAIA, Hon. SDA, Managing Director, Component Relations; James Gatsch, FAIA, Managing Director, 21st Century Workplace; Andrew Goldberg, Assoc. AIA, Senior Director, Federal Affairs; Lisa Green, Managing Director, Finance and Accounting; Suzanne Harness, Esq., AIA, Managing Director and Counsel, Contract Documents; Maan Hashem, Managing Director, Software Products and Services; Richard L. Hayes, PhD, RAIC, AIA, CAE, Managing Director, Knowledge Resources; Christine M. Klein, Managing Director, Meetings; Carol Madden, Senior Director, Membership Operations and Services; Philip D. O'Neal, Managing Director, Information Technology; C.D. Pangallo, EdD, Managing Director, Continuing Education. Phil Simon, Managing Director, Communications and Marketing; Terri Stewart, Managing Director, Knowledge Communities; Suzanna J. Wight, AIA, Managing Director, Alliances

McGraw-Hill CONSTRUCTION ABC MPA

The McGraw-Hill Companies

PRINTED IN USA

CIRCLE 06



The Acrovyn® brand is synonymous with wall protection. Now, thanks to our Chameleon® Faux Wood and Metal Collection, you can have the beautiful look of real wood and metal

**With CITY MULTI® systems an atmosphere of creativity flows freely.**

Now there are building comfort solutions that will inspire your imagination instead of limiting it.

CITY MULTI gives you ultimate design flexibility so you can push the building envelope, with options for maximizing interior space and ceiling heights without concerns of concealing bulky ductwork.

Get unparalleled comfort, control and cost effective use of energy. All with great sustainability.

CITY MULTI will transform the way you think about HVAC. Energize yourself at transforminghvac.com

MITSUBISHI ELECTRIC
HVAC for HUMANS

CITY MULTI®

The transformation has begun.™

CIRCLE 10

ARCHITECTURAL

06.2008

On the Cover: CaixaForum, by Herzog & de Meuron. Photo by Roland Halbe.
Right: Glenstone residence and art museum, by Gwathmey Siegel. Photo by Scott Frances.

## News

29 AS+GG tapped for ultra-green project in U.A.E.
29 Calatrava•s bridge is nearly ready, but is Jerusalem?
36 Architects• billings plummet to all-time low
38 UNStudio gets first major U.S. project

## Departments

21 Editorial: HQ
23 Letters
47 Archrecord2: For the Emerging Architect
51 Critique: New museums: highs and lows by Martin Filler
55 Commentary: Developing urban America by John King
59 Books: Materials and structure
63 Practice Matters: Top 150 Firms by Charles Linn, FAIA
65 Trade Show: International Builders• Show by Linda C. Lentz
67 Snapshot: Tee Haus by Beth Broome
183 Dates & Events
204 Backpage: Chris Morris by Jennifer Richter

## Features

72 Tales of Turning the Corner by Suzanne Stephens
How small design offices make the leap to larger—or different—work.

## Projects

86 Glenstone residence and art museum, ***Maryland***
by Suzanne Stephens
Gwathmey Siegel & Associates
Designing a private compound with a preeminent art collection.
96 Arabian Public Library, ***Arizona*** by Nancy Levinson
Richärd+Bauer
A canyonlike building emerges among its bland exurban neighbors.
102 Miki Disaster Management Park Beans Dome, ***Japan***
by Naomi R. Pollock, AIA
Shuhei Endo Architect Institute
A convex emergency center-cum-tennis arena rises from the earth.
108 CaixaForum, ***Spain*** by David Cohn
Herzog & de Meuron
Transforming an abandoned power station into a vibrant cultural center.

## Building Types Study 881

121 Introduction: Urban Multifamily Housing by Jane F. Kolleeny
122 The Union, ***California*** by Jane F. Kolleeny
Jonathan Segal, FAIA
126 PRD845, ***Arizona*** by Nancy Levinson
Studio Ma
130 Switch Building, ***New York*** by Clifford A. Pearson
nArchitects
134 One Hancock Square, ***Pennsylvania*** by Christopher Kieran
Erdy McHenry Architecture

## Architectural Technology

142 A Sleek Skyscraper in San Francisco Raises the Profile of Performance-Based Design
by Nadine M. Post
Demonstrating the benefits of a nonprescriptive approach.

## Interiors

161 Introduction by David Sokol
162 The Heckscher Foundation for Children by Shonquis Moreno
Christoff:Finio Architecture
166 Park Avenue restaurant by Jen Renzi
AvroKO
171 NYU Department of Philosophy by David Sokol
Steven Holl Architects
174 Interior Resources by Linda C. Lentz

## Products

177 Landscape by Linda C. Lentz
180 Product Briefs
192 Reader Service

Expanded coverage of Projects, Building Types Studies, and Web-only special features can be found at architecturalrecord.com.

We invite you to explore architecturalrecord.com, which now offers a new design and powerful tools that allow you to interact with, and contribute to, the site as never before. You can comment on and rate projects, recommend articles, submit photos of your work, and create an industry profile.

## record tv

If you haven't visited our video library yet, you're missing out on dozens of reports meant to inform, inspire, and entertain. Notable architects take us on tours of their favorite buildings (such as Gehry's IAC Building, left); enjoy episodes of "Good Design Is Good Business"; and view interviews with the profession's most interesting minds (construction.com/video/).

## building types study

While multifamily residential projects are often cookie-cutter and uninspired, we have found examples that make striking design statements (nArchitects' Switch Building, left, is one). View a half-dozen Web-only profiles and slide shows, including work that features distinctive rooftops; intertwines outdoor and indoor life; and flashes some modern flare.

## interviews

Explore our library of intimate conversations with some of the exciting voices in architecture and design, including Peter Cook, Tom Kundig, Nicholas Grimshaw, Renzo Piano, Thom Mayne, Vito Acconci, SOM's BIM experts (who worked on the firm's Freedom Tower design, left), and many more.

### community

#### photo gallery

View thousands of images submitted by readers from around the globe in 12 categories, such as Computer-Aided Renderings (above). Submit your images at construction.com/community/gallerylist.aspx.

#### blogs

In the Trenches: Read provocative, personal dispatches from Chris Harnish, an Architecture for Humanity Fellow working in a small village in South Africa. Go to archrecord.construction.com/community/blogs/AFHBlog.asp.

#### forums

Your voice matters—and we have provided you with the ideal forum to express yourself. One of our recent discussions was started by a young architect deeply frustrated with the process required to obtain her license. Read her "Fix NCARB" post and add your own opinion at construction.com/community/forums.aspx.

#### comments

We invite your comments on all our online articles. One of thousands: "Looks like a minimalist's version of the Lincoln Memorial. Where are the cherry blossoms?"

**and more ...**

### residential: house of the month

Rob Pyatt teamed up with the University of Colorado College of Architecture & Planning's research + design + build program to design Boxhouse (below), an addition to a home in Boulder, Colorado, that addresses issues of sustainability and recycling with elegance.

### archrecord2

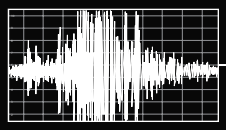
Too colorful, too beautiful, too dark, too weird: Meet Sweden-based firm Electric Dreams and see their playful, surreal designs (Weekday, below, is a treelike store). Also taking inspiration from the surreal is Los Angeles–based B+U, a firm that is turning actual sound into buildings.

### continuing education

Visit our robust Continuing Education center to earn valuable CEU credits. Explore hundreds of courses (e.g., on PSD-designed skyscrapers in San Francisco, below) in more than a dozen categories . You can take the tests online and monitor your credits with our Test Tracker.

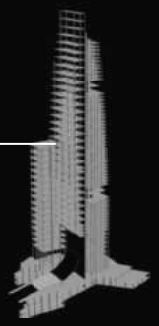
Photography (counterclockwise from top right): Courtesy Massimo Morandi; © Henrik Kam; courtesy Electronic Dreams; © Michael DeLeon Photography; © dbox Studio; © Frank Oudeman; courtesy Bryant Rousseau

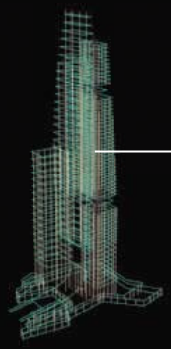
Autodesk®



The world is rocked by over 100 damage-causing earthquakes each year, at enormous social and economic cost.

Revit® software, purpose built for BIM, along with industry leading analysis partners, give users the ability to see how a building will behave in reality, and minimize its structural reaction to an earthquake, before ever breaking ground.





Analysis and animation of a design's response to destructive forces give users the knowledge that even their most adventurous designs can stand tall in the face of extreme forces of nature.

## HOW BIM CAN HELP THIS BUILDING SURVIVE A 6.8 BEFORE IT'S BUILT.

autodesk.com/PowerofBIM

Autodesk and Revit are registered trademarks or trademarks of Autodesk, Inc., in the USA and/or other countries. All other brand names, product names, or trademarks belong to their respective holders.
Autodesk reserves the right to alter product offerings and specifications at any time without notice, and is not responsible for typographical or graphical errors that may appear in this document. ©2007 Autodesk, Inc. All rights reserved.

# Learn & Earn

Architectural Record Continuing Education

Page
153-157

## Wood Provides Natural Fenestration Solutions

The right species for window and door applications offer benefits in practicality, aesthetics and sustainability

**Learning Objectives:**
After reading this article, you should be able to:

- Explain the leading forest certification programs
- Evaluate popular wood species for doors and windows
- Discuss the basics of good entry door construction

**Provided by**

Photo Courtesy of Marvin Windows and Doors

## Online Only

### Sustainable Landscape Lighting Systems

Providing Energy-efficient, Material-efficient and Design-efficient Solutions in Outdoor Settings

**Provided by**

B-K LIGHTING
Quality to Last a Lifetime™

Photo courtesy of Jason Mendez, B-K Lighting

## Earn

### Health Safety Welfare credits with Architectural Record!

**Earn your required continuing education Learning Unit hours (LU's) by reading Architectural Record.** This issue includes the continuing education article featured on this page. This article will earn you one AIA/CES Learning Unit (HSW). Annually, AIA/CES accepts up to eight self-study Learning Units.

Just read the article and complete the short quiz to earn your credit. You can also access this and many other continuing education articles online at ce.ArchitecturalRecord.com

Check out our new online Continuing Education Center at **ce.ArchitecturalRecord.com**

# MAKE BLUEPRINTS COME TO LIFE.

From large construction to small repairs, the full line of QUIKRETE® cement and concrete products turns your plans into reality. Each commercial-grade product exceeds ASTM specifications and is available in 50 to 3,000 pound bags. For a free construction product guide, visit quikrete.com.

WHAT AMERICA'S MADE OF.™

COMMERCIAL GRADE QUIKRETE®

CEMENT & CONCRETE PRODUCTS™

©2008 QUIKRETE International, Inc.

CIRCLE 11

ALUCOBOND®

ALCAN

Alucobond® Spectra Colors – a new color finishing system for Alucobond aluminum composite materials – allows architects to boldly incorporate a unique, ever-changing spectrum in the cladding of sophisticated building designs.

Inspired by color shifts that occur in everyday life – from the subtle nuances found in nature to the glowing sheen of modern metals to the luster found in today's luxury goods – Spectra Colors change as different wavelengths of light are reflected back to the viewer at various angles.

Plus, because it's Alucobond, Spectra Colors provide extraordinary flatness and rigidity, excellent formability, low weight and outstanding weather resistance in outdoor applications.

To learn more about Spectra, please visit **www.alucobond-spectra.com**.

Take your designs to the next level…with Alucobond Spectra Colors.

**ALUCOBOND®**

*THE WORLD'S FAVORITE ALUMINUM COMPOSITE MATERIAL*

**CIRCLE 12**

# Editorial

By Robert Ivy, FAIA

You asked for it. *ARCHITECTURAL RECORD* meets the needs of its readers; GreenSource gives real data to the sustainability community; ENR unites the construction universe. In e-mails and conversations, you've asked us to give you a publication for your clients that demonstrates the value of design. We agreed. The question, as in all new ventures, was how, and for whom.

The second part of the puzzle answered itself. The target audience needed to be the leaders of the business community, the select few individuals at the top of the corporate and institutional heap who set policy and make the final decisions for their collective enterprises. While others may have a more nitty-gritty role in operations, maintenance, and procurement, we determined to go after the C.E.O. and the other men and women who inhabit the "C" suite. Their vision, and their decision making, ultimately set the course for American business.

A conversation with one leader of a major American corporation proved instructive. He said that, in his tenure as chief executive officer of a global corporation, his single most important decision was where to house his employees. In an era in which talent makes the difference, his constant goal was attracting and retaining the best men and women. How they spend their work lives was paramount to their sense of well-being. On three occasions, this leader had to find major new facilities but had no publication resource to help him along the way. Aha! That was where we could be of use.

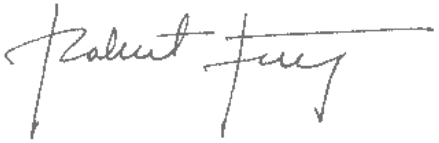
But how to talk to corporate leaders about the benefits of architecture and design? In debating internally, we realized that we have an ace up our sleeve. For 10 years, *ARCHITECTURAL RECORD* and our sister publication BusinessWeek have teamed up in a design competition where beauty has to be more than skin-deep. A raging success, the BusinessWeek/Architectural Record design awards program has grown up with the tagline, "Good Design Is Good Business," a catchphrase that has real meaning. Unlike most juried award competitions, the BW/AR program demands that entrants provide real data that demonstrate how design affected a company or an institution's bottom line.

Bottom lines rule the C.E.O.'s world. So rather than another design magazine that trumpets the latest stylistic flourishes or praises the constellation of design stars, a savvy, client-driven publication would meet business leaders on their home turf, presenting projects in a case-study format, deriving and presenting all the information we could from the projects. The hundred or so BW/AR Awards winners would provide an immediate source of potential case studies. In addition, we determined to focus not on the architect, but on the leaders who made a difference, together with their architects and other design professionals, so that members of the business community could see people like themselves in our pages and on our Web site and relate the publication to their own world.

Drum roll. In fall 2008, McGraw-Hill Construction, in collaboration with BusinessWeek, announces the launch of its newest publication, called HQ: Good Design Is Good Business. Devoted to advancing the role of design for American business, HQ (the abbreviation for headquarters) will be circulated among domestic business leaders at the highest level—the six to eight men and women in the American corporate suite—as well as to American architects who will be able to share it with their clients.

HQ will be graphically stunning, written in plain language, sharp, and compelling. We're not bragging: It has to be or no one will pick it up. And it must deliver answers to readers' unvoiced questions in plain language and in easily accessible segments. In 2008, we will only print a single issue, but its frequency will increase in 2009. On the Web, HQ will live in real time, building a community of people and resources for the here and now, answering questions and expanding the conversation among the audiences. And not to worry. We will continue our BusinessWeek/Architectural Design Awards program in both publications. Why mess with success?

For a question and a need so fundamental, you have to ask why such a publication hasn't existed before. We may be slow, but watch out. Coming soon to a C.E.O. near you—HQ: Good Design Is Good Business.



PHOTOGRAPHY: © ANDRÉ SOUROUJON

# We've got your back

With a flexing, radiused back and contoured seat design, our Strive® collection gives you ultimate support. A recent Robertson & O'Neill study showed that workers with the right furniture experienced 27% less muscle pain. That means fewer distractions and more productivity. And now everyone can enjoy those benefits, thanks to inexpensive, recyclable materials that make flex seating easily affordable. Comfort, design, affordability—just what you strive for. Learn more at ki.com

**The Strive® Collection**
designed by Giancarlo Piretti.

KI

Furnishing Knowledge

*© 2008 KI. KI is a registered trademark of Krueger International, Inc.*

**CIRCLE 13**

# 2008 Architectural Precast Association

## Awards for Excellence

**Buckhead Village Office and Deck**
Atlanta, GA

**Design**
Corcoran Nelson Nardone
Atlanta, GA

**Manufacturing**

The 2008 APA Awards For Design And Manufacturing Excellence is a national awards program that is sponsored by the Architectural Precast Association. Each year a jury of your peers selects the best designs utilizing architectural precast concrete. Finished structures must display a highly animated use of precast, which gives life

# Nothing Tames Mother Nature Like A Steel Door.

**She's no lady**. So when Mother Nature unleashes the worst she's got, a steel door is the best defense you've got. And an **SDI steel door** is proven to be impervious to her fury. SDI steel doors are manufactured and tested to withstand wind, rain, snow, tornadoes, anything she can bring.

Since **1954**, the Steel Door Institute has set standards for the performance, care and use of steel doors and frames, including standards for weather resistance. The **SDI Fact File** is the only resource you need to ensure that the steel doors and frames you choose will keep Mother Nature out. To download the **SDI Fact File**, visit **www.steeldoor.org.**

FACT FILE

SDI STEEL DOOR INSTITUTE

Standards As Tough As Steel.™

Steel Door Institute 30200 Detroit Road, Westlake, Ohio 44145•440-899-0010 www.steeldoor.org

CIRCLE 24

**Winners of the ninth annual National Design Awards**

**Several top architecture schools recently announced a change in leadership.**

**Only SDI Members Set The Highest Standards And Have The "Metal" To Meet Them.**

**AMWELD BUILDING PRODUCTS, LLC**
Stow, OH
amweld.com

**CECO DOOR PRODUCTS**
Milan, TN
cecodoor.com

**CURRIES COMPANY**
Mason City, IA
curries.com

**DEANSTEEL MANUFACTURING CO.**
San Antonio, TX
deansteel.com

**MESKER DOOR, INC.**
Huntsville, AL
meskerdoor.com

**PIONEER INDUSTRIES, INC.**
Hackensack, NJ
pioneerindustries.com

**REPUBLIC**
McKenzie, TN
republicdoor.com

**SECURITY METAL PRODUCTS**
Culver City, CA
secmet.com

**STEELCRAFT**
Cincinnati, OH
steelcraft.com

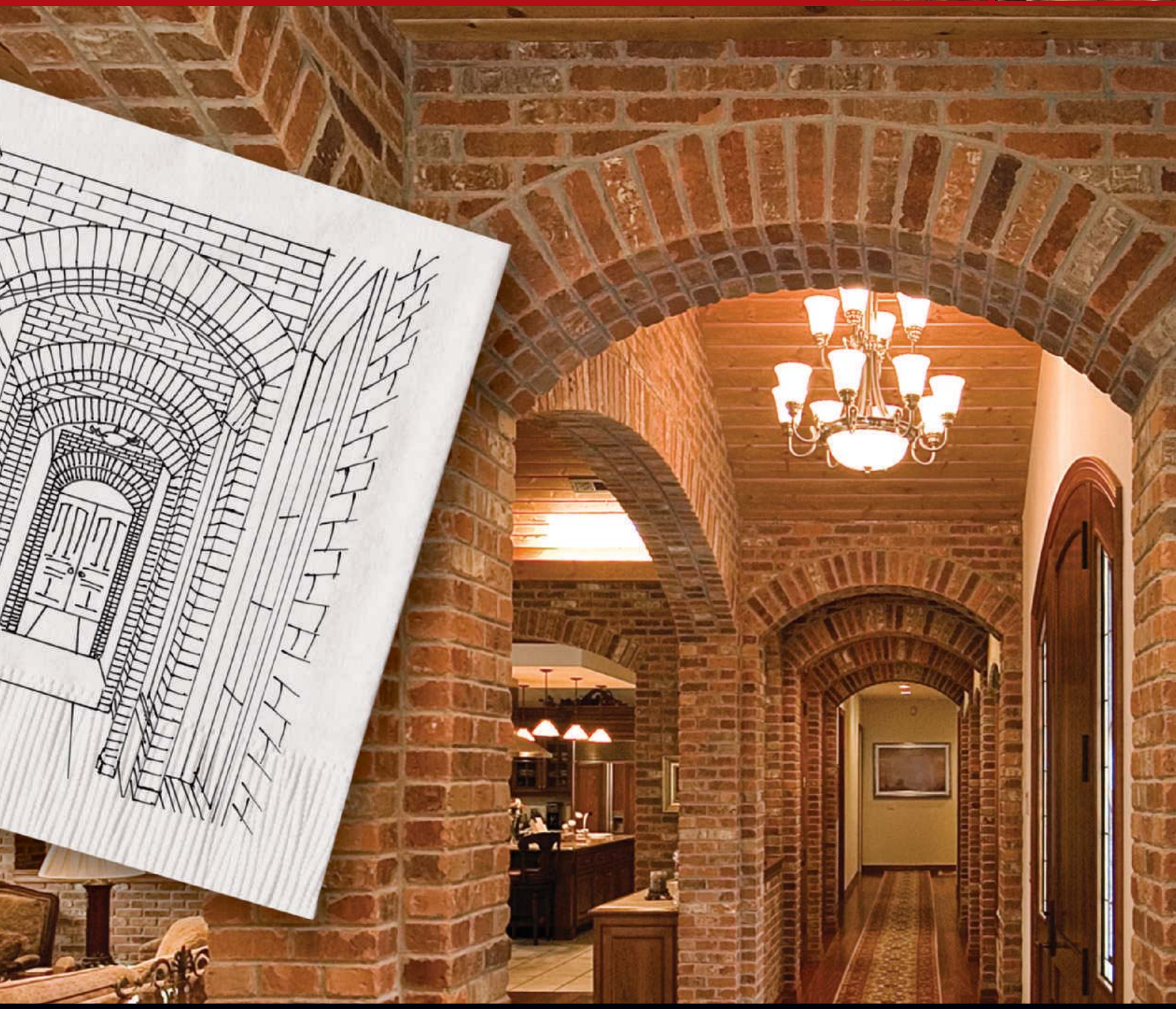
STEEL DOOR INSTITUTE

Standards As Tough As Steel.™

Check out our new web site:
steeldoor.org

CIRCLE 25

# You provide the imagination.



## We make it real.

Old Brick Originals™ exposes the beauty and durability of real, kiln-fired brick as a thin-cut solution. Inspired by your vision. Made real by Robinson Brick.

**ROBINSON BRICK**

A Division of General Shale Brick

800.477.9002 ▪ RobinsonBrick.com

CIRCLE 26

# WHENEVER. WHEREVER.

On the beach. In the comfort of an overstuffed chair. During your commute to work. When you're stuck on a plane. With the NCARB monograph series you can earn your health, safety, and welfare PDUs whenever you want … wherever you want.

Just log on to the NCARB web site and order one of the more than 20 titles written by leaders in their fields. When your monograph arrives, settle into your favorite lounge chair (or squish into your plane seat) and read about some of the latest developments in the profession.

When you are ready to take the quiz, simply log onto our secure site, and answer the questions. You'll receive your results immediately. Once you pass, you can even print your own certificate of completion.

Current NCARB Record holders can earn PDUs/CEUs for less than $16 per unit—the lowest cost per PDU/CEU available. Your payment covers the monograph, quiz, scoring process, and one free retest if needed. NCARB also reports your passing score to the AIA at no extra cost.

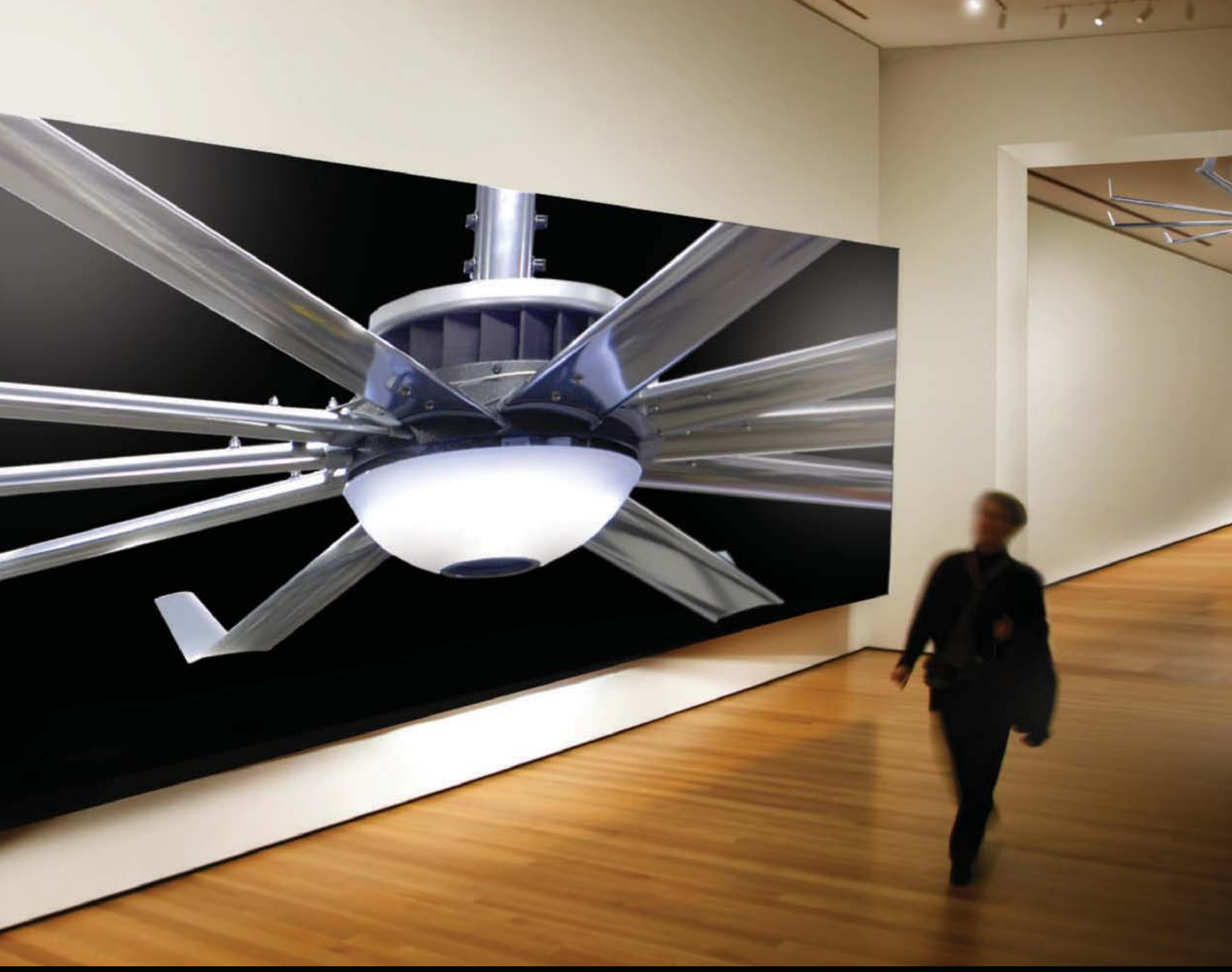
Say goodbye to expensive out-of-town seminars, boring conferences, and late-night classes. Earn your HSW units on your schedule with NCARB's monograph series.

**Learn and earn with NCARB!**
**www.ncarb.org**

NCARB
# MONOGRAPH SERIES

National Council of Architectural Registration Boards
1801 K Street, NW, Suite 700K Washington, DC 20006

CIRCLE 27



# Modern Marvel. Modern Art.

Perhaps a little of both. Like every great masterpiece Element blends incomparable design and innovative craftsmanship to create a ceiling fan unlike any other in the world.

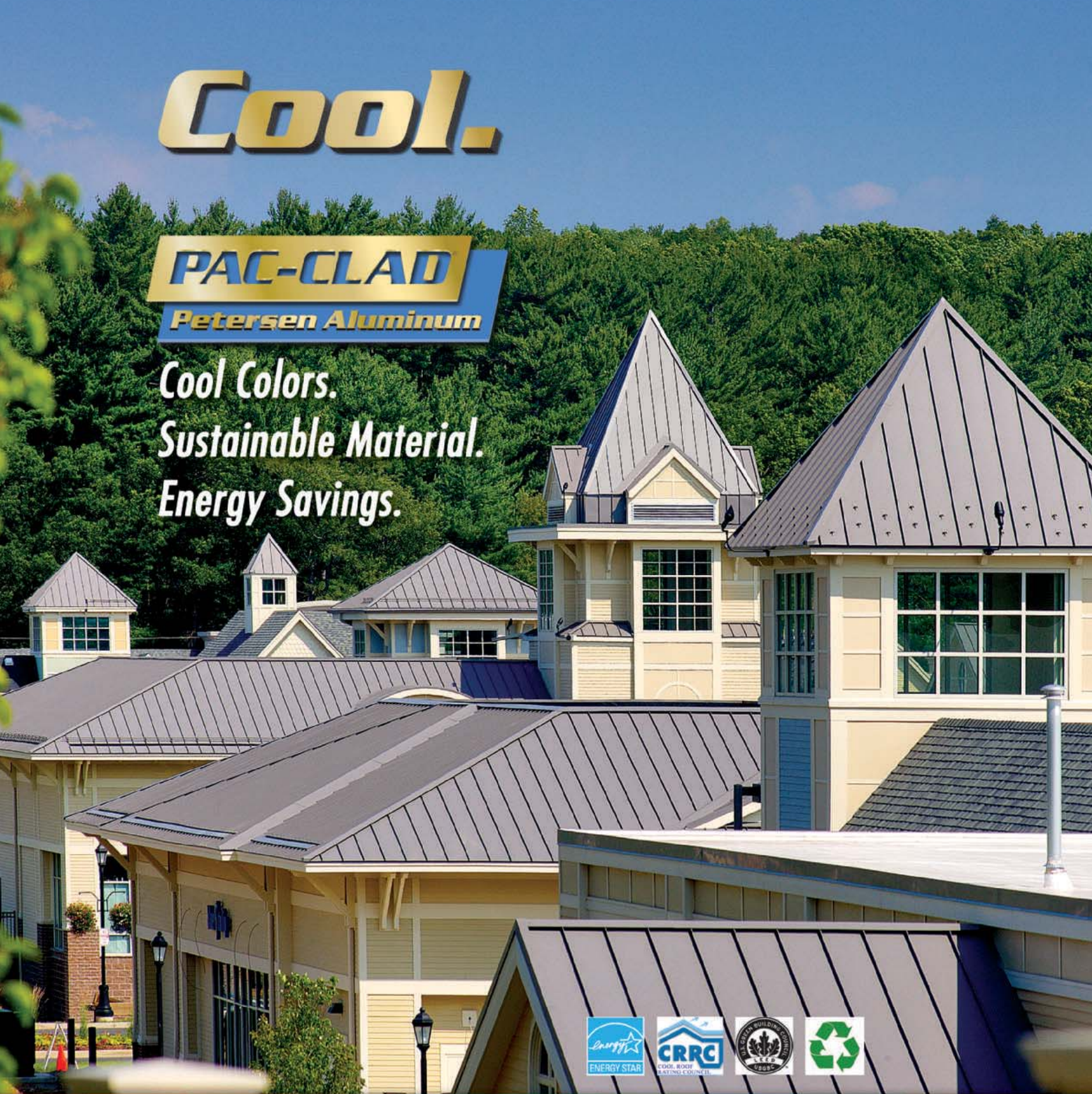
ELEMENT

BIG ASS FANS

To Learn More About This Sleek New Breed: 877-BIG FANS | www.elementfan.com

CIRCLE 42

©2008 Delta T Corporation dba Big Ass Fan Company. All rights reserved.




**Petersen Aluminum**

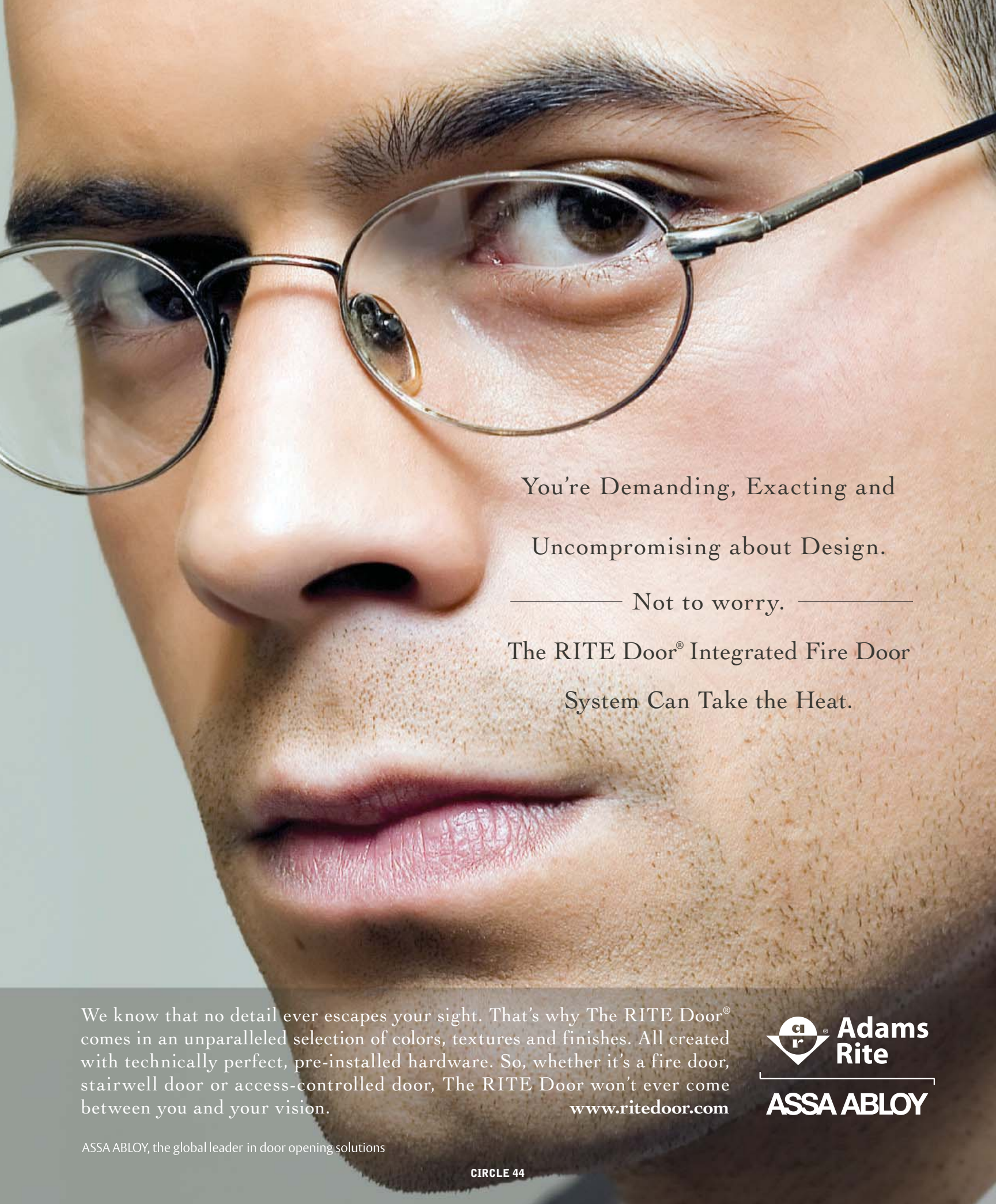
1005 Tonne Road • Elk Grove Village, IL 60007
1-800-PAC-CLAD or 1-847-228-7150
Fax: 1-800-722-7150 or 1-847-956-7968

Other Plant Locations:
Annapolis Junction, MD: 1-800-344-1400; Tyler, TX: 1-800-441-8661
Kennesaw, GA: 1-800-272-4482; Fridley, MN: 1-877-571-2025

http://www.pac-clad.com

- 29 Cool Colors on steel & aluminum
- 28-91% recycled content
- Cool metal roofing credits
- Energy Star® Rated, LEED™ Certified
  Cool Roof Certified

CIRCLE 43


You're Demanding, Exacting and
Uncompromising about Design.
Not to worry.
The RITE Door® Integrated Fire Door
System Can Take the Heat.
We know that no detail ever escapes your sight. That's why The RITE Door® comes in an unparalleled selection of colors, textures and finishes. All created with technically perfect, pre-installed hardware. So, whether it's a fire door, stairwell door or access-controlled door, The RITE Door won't ever come between you and your vision.
www.ritedoor.com
Adams Rite
ASSA ABLOY
ASSA ABLOY, the global leader in door opening solutions
CIRCLE 44

FEATURE

# Tales of Turning the Corner

**Small design-oriented offices often crave larger or different kinds of work. Here are some tips from those who succeeded.**

By Suzanne Stephens

MILLENNIUM TOWER WORLD BUSINESS CENTER,
Busan, Korea,
Asymptote

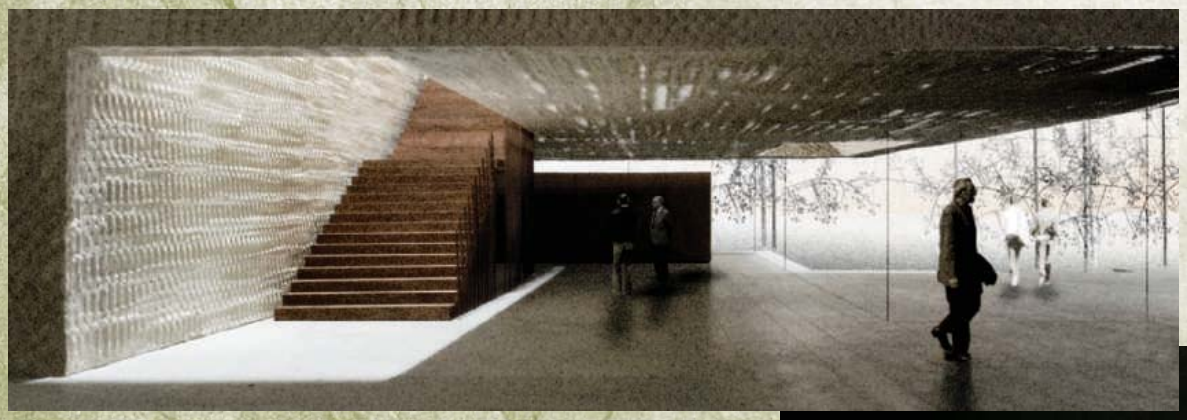
PENANG GLOBAL CITY CENTER,
Penang, Malaysia,
Asymptote

0-14 TOWER,
BUSINESS BAY,
Dubai, U.A.E.,
Reiser + Umemoto
(model, right; in construction, below)

PHOTOGRAPHY: © IMAGES COURTESY THE ARCHITECTS, EXCEPT A

IMAGES: MICHAEL MORAN (LEFT); IMAGE FICTION (RIGHT)

TANGULA EXPRESS
China;
Elskop Scholz
(plan, above;
dining car, right)



CLYFFORD STILL MUSEUM
Denver, Colorado;
Allied Works
(model of interior, left;
model of exterior, below)

W BOSTON HOTEL
& RESIDENCES
Boston, Massachusetts,
William Rawn
Associates

CHELSEA MODERN
New York City,
Audrey Matlock
Architect

CARABANCHEL 11
Madrid, Spain,
Morphosis (with B+DU
Estudio de Arquitectura)

# Matelux®—Soft Light At Its Finest

Introducing Matelux, a translucent glass with a satin finish. It filters light softly, smoothes out contours and produces silhouettes in a variety of both interior and exterior applications. Matelux, an acid etched glass, offers numerous different color choices, a variety of thicknesses from 3mm to 19mm, is available double sided, and can be fabricated to specifically meet your needs. The product is even available with a range of Stopsol® reflective coatings on one side and the Matelux satin finish on the other. So, whether you are designing shelving, partitions, doors, showers, lighting, furniture or looking to enhance the building façade, only Matelux provides uniformity, simplicity and purity in a true art form.

Call us today for more information at (800) 251-0441. Or, visit us online at **www.na.agc-flatglass.com/matelux**.

**Matelux: When Elegance is Everything!**

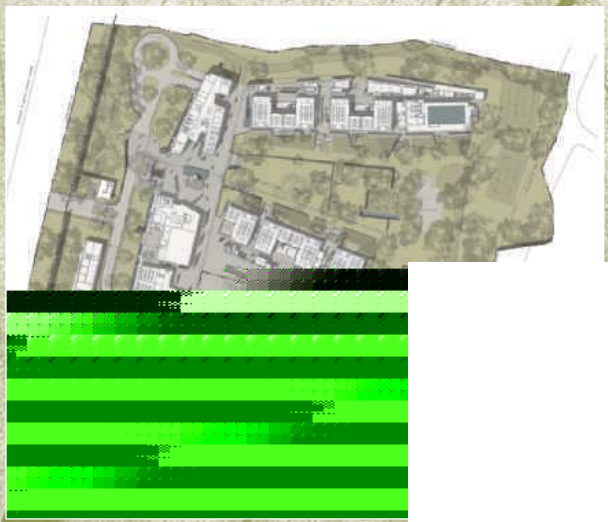
AGC Flat Glass North America

CIRCLE 45

©2008 AGC. All rights reserved.

21c MUSEUM HOTEL
Austin, Texas
Deborah Berke
& Partners

48 BOND STREET
New York City
Deborah Berke
& Partners



BANYAN PARK
Mumbai, India
Tod Williams
Billie Tsien Architects
(site plan, left;
in construction, below)

PHOTOGRAPHY © EDUARD HUEBER/ARCH PHOTO

GOING GREEN MEANS SAVING GREEN.
VISTA WINDOW FILM HELPS CUT ENERGY COSTS BY BLOCKING MOST HARMFUL UV RAYS AND SOLAR HEAT. BY REDUCING HOT AND COOL SPOTS THROUGHOUT YOUR BUILDING, VISTA ALLOWS YOU TO HELP SAVE THE ENVIRONMENT, WHILE YOU SAVE ON ENERGY BILLS.
VISTA®
WINDOW FILM
VISTA® is a registered trademark of CPFilms Inc. • P.O. Box 5068 • Martinsville, Virginia 24115 • (276) 627-3000 • www.cpfilms.com
The nature of certain delicate fabrics and dyes will lead to premature fading regardless of the application of any window film or protective treatment.
CIRCLE 51

1. *Main house*
2. *Guest house*
3. *Pool house*
4. *Museum*
5. *Tony Smith sculpture*
6. *Richard Serra sculpture*
7. *Richard Serra sculpture*

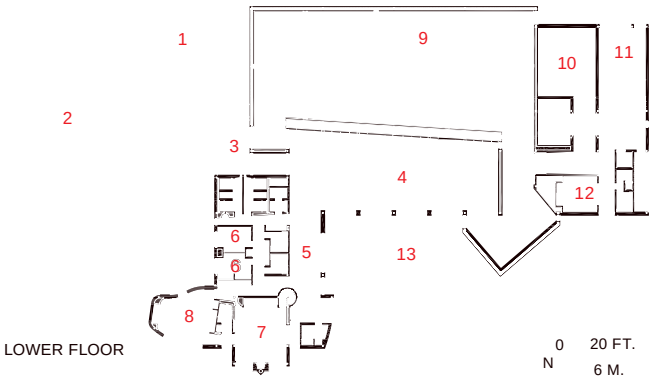
# **Gwathmey Siegel & Associates** explores and reinterprets a Modernist design vocabulary for **GLENSTONE,** a private museum and residence in Maryland

By Suzanne Stephens

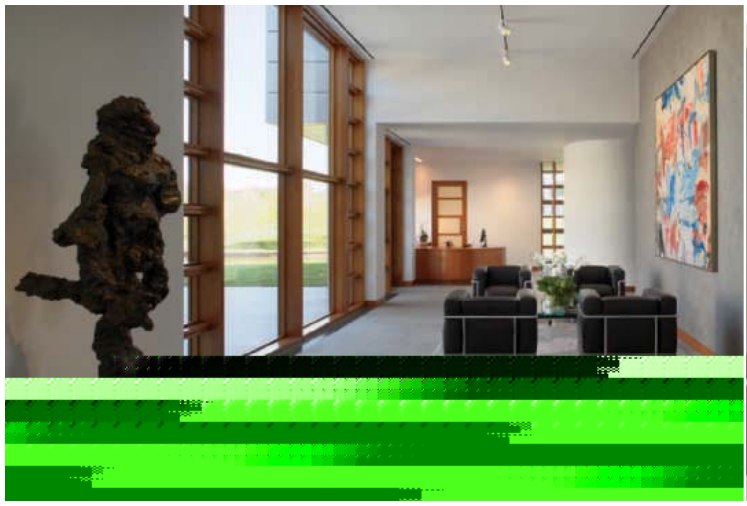
A noticeable trend of late seems to be for major art collectors to create their own private museums, much as their Enlightenment forebears did in the 18th century. Instead of Horace Walpole, Sir John Soane, or Thomas Hope, however, you have Alice Walton (of the Wal-Mart family) building a new museum in Arkansas, designed by Moshe Safdie; newsprint mogul Peter Brant and his wife, Stephanie, turning to Richard Gluckman of Gluckman Mayner to renovate a barn for art at their Greenwich homestead; and Don Fisher, who enlisted Gluckman to design a new museum for his collection in the Presidio in San Francisco. The list goes on.

Glenstone, a 125-acre estate in Potomac, Maryland, is different from its cohorts. The art museum is a new structure conceived as part of a residential compound designed by one architect, Gwathmey Siegel & Associates. The collector, a Forbes 400–ranked industrialist, had first turned to Charles Gwathmey, FAIA, to design a New York City pied-a-terre for him, and admired the way the architect had integrated his art collection into the setting. This led to the design of a new house on the Potomac, along with a plan for a semiprivate museum that would display works by Willem de Kooning, Jackson Pollock, Jasper Johns, Robert Rauschenberg, Cy Twombly, and Robert Ryman, to name a few of the impressive cluster of 20th-century artists represented among the owner's holdings. (The museum, which is run by the Glenstone Foundation, is open by appointment.) The architects and the client worked with landscape architect Peter Walker and Partners to create a paradisiacal totality from scratch, with an extensive sculpture park embedded in a bucolic setting straight out of Capability Brown.

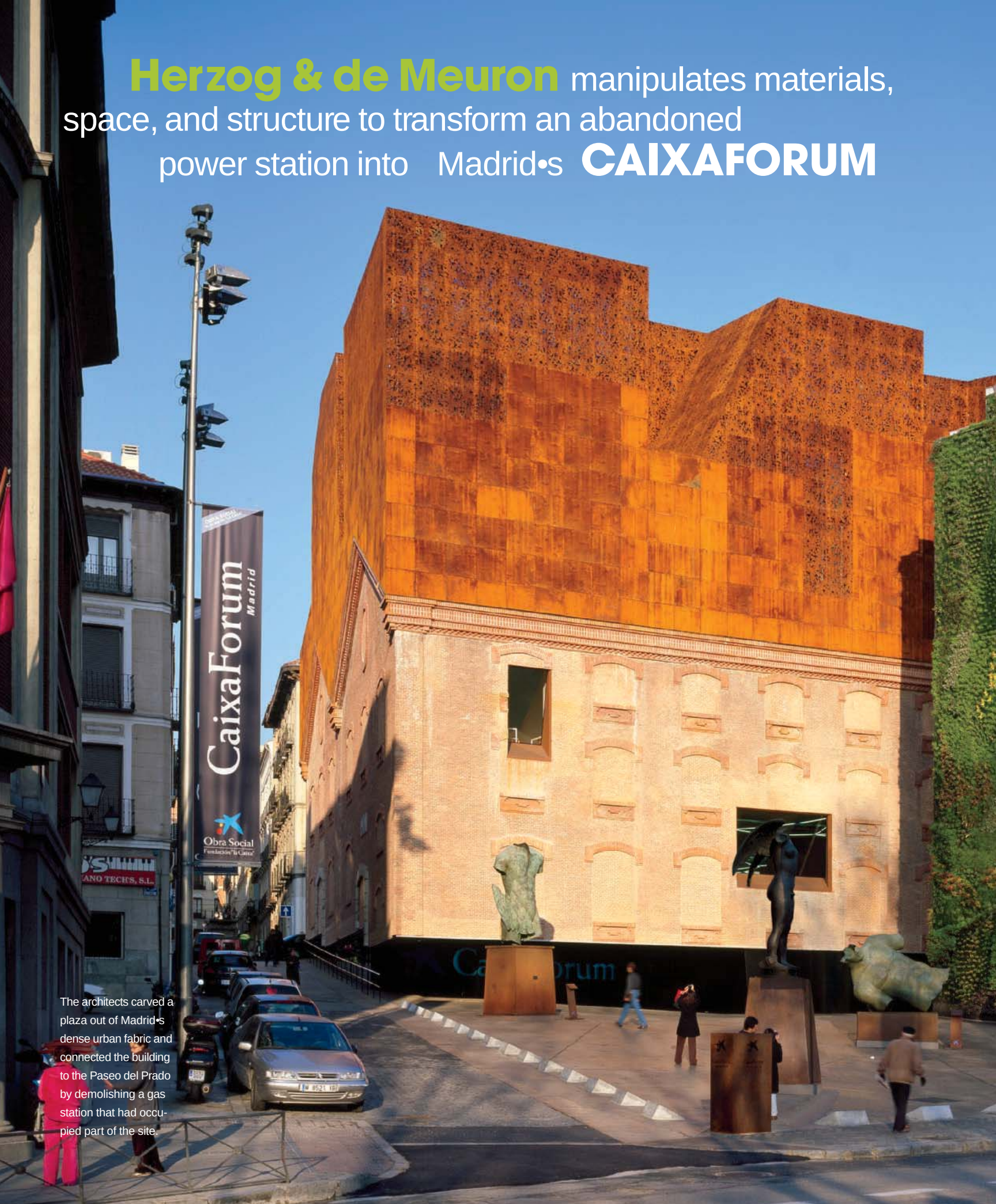
Project: Glenstone residence and art museum, Potomac, Maryland
Architect: Gwathmey Siegel & Associates—Charles Gwathmey, FAIA, partner in charge; Robert Siegel, FAIA, partner
Engineers: Severud Associates (structural); Thomas Polise Consulting Engineers (m/e/p)
Landscape: Peter Walker and Partners




1. Entry court
2. Serra sculpture
3. Entrance
4. Sculpture gallery
5. Reception
6. Administrative office
7. Main office
8. Conference
9. Galleries
10. Art storage
11. Loading dock
12. Kitchen
13. Terrace



# **Herzog & de Meuron** manipulates materials, space, and structure to transform an abandoned power station into Madrid•s **CAIXAFORUM**




The architects carved a plaza out of Madrid•s dense urban fabric and connected the building to the Paseo del Prado by demolishing a gas station that had occupied part of the site.

1
2
3

# A WALL, IS A WALL...IS A WOW!

If your client wants more than an ordinary retaining wall, select VERSA-LOK. No other wall system gives you the same combination of aesthetics, installation ease and performance. VERSA-LOK's unique construction gives you the freedom to create stairs, curves, corners, columns and freestanding walls. Units can be quickly modified on site—eliminating the need to order special pieces. And their solid-unit characteristics provide unsurpassed durability. In addition, the Weathered™ texture and Mosaic® random-pattern options will give your project a look that is sure to turn heads.

To find out why customers prefer VERSA-LOK, call **(800) 770-4525** or visit **www.versa-lok.com**.

*Freestanding Walls*

*Mosaic Random Face Patterns*

*Fully Integrated Stairs*

*Random-Pattern Tall Walls*

*Freestanding Columns*

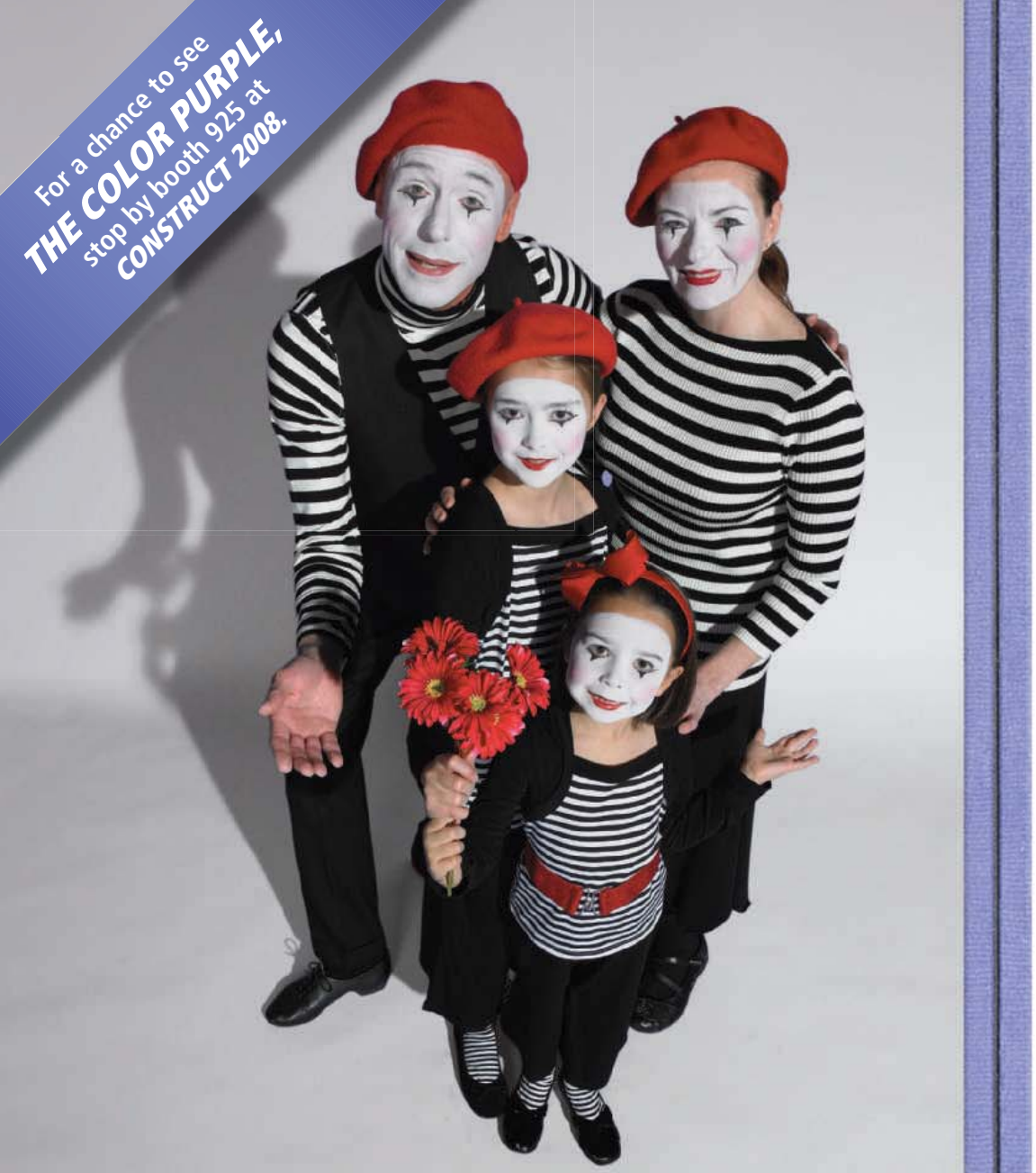
*Multi-Angle Corners*

**VERSA-LOK®**
**Retaining Wall Systems**
***Solid Solutions.™***

© 2008 Kiltie Corporation • Oakdale, MN

**CIRCLE 53**

For a chance to see **THE COLOR PURPLE,** stop by booth 925 at **CONSTRUCT 2008.**



# BECAUSE ALL NEIGHBORS AREN'T THIS QUIET

## New Gold Bond® BRAND SoundBreak™ Gypsum Board

Unlike this family of mimes, most neighbors love to talk. And have parties. And play sound systems. That's why architects are specifying SoundBreak for high-density housing. This revolutionary new gypsum board creates high STC wall partitions that are thinner, more reliable and more cost-effective. So choose SoundBreak. Because you can't choose your neighbors.

National Gypsum®

Technical Info: 1-800-NATIONAL
or visit www.soundbreak.info

*Excellence Across The Board®*

CIRCLE 54

## MIXED-USE AND MULTIFAMILY-HOUSING PROJECTS BRING NEW LIFE TO NEIGHBORHOODS JUST BEYOND THE URBAN CORE, TRANSFORMING THEM INTO PEDESTRIAN-FRIENDLY PLACES.

### ONE HANCOCK SQUARE

Philadelphia

This new residential development by Erdy McHenry Architecture, with apartments above retail and restaurant space, occupies the site of the once-famous Schmidt's Brewery in the up-and-coming neighborhood of Northern Liberties.

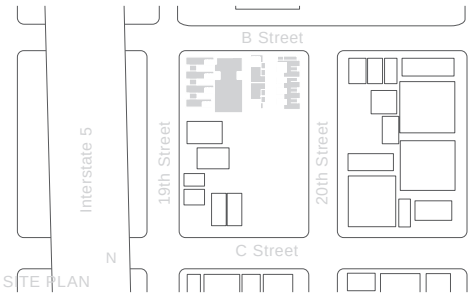
# One:

With bold moves that respond to context, Jonathan Segal, FAIA, transforms a ramshackle site into an urban mixed-use project.

By Jane F. Kolleeny

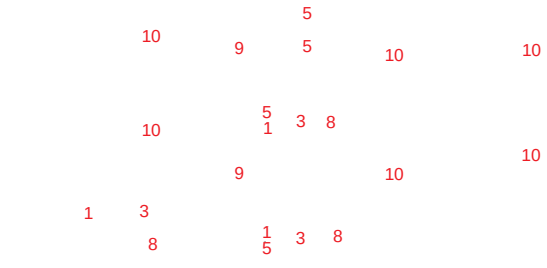
PHOTOGRAPHY: © PAUL BODY PHOTO

ONLINE: Rate this project and access additional sources at architecturalrecord.com /bts/.



SITE PLAN

1. Kitchen
2. Dining
3. Living
4. Bedroom
5. Bath
6. Closet
7. Den
8. Patio
9. Office
10. Parking



GROUND FLOOR

N 0 20 FT.
6 M.

Residences feature outdoor living rooms made private with drought-resistant hedges (above). Inside Segal•s offices, 17-foot-high ceilings and a clean, Minimal approach to design establish an elegant but simple space for Segal•s staff of five (above right). The Modern-style interiors of the residences are light-filled (right).

SECOND FLOOR

THIRD FLOOR

# Two:

## transforms an existing parking lot at Phoenix•s urban edge into 12 mid-rise cubiform contemporary units.

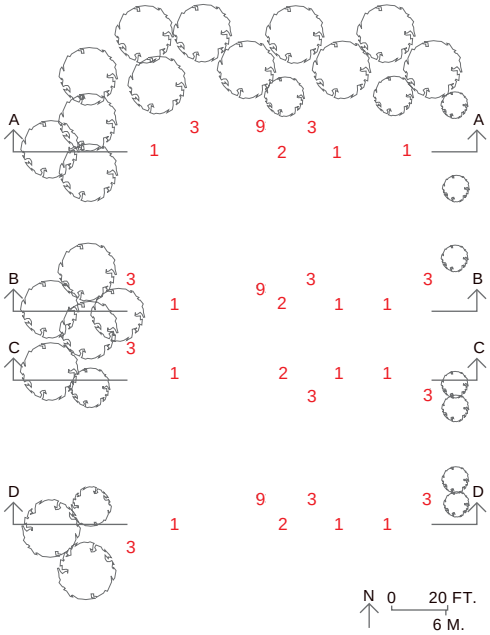
By Nancy Levinson

developmentŽ and the street address„became an opportunity not only to design multifamily housing but also to devise a new typology for urban life in a Southwestern city„what the architects call •desert urbanism.Ž The desert urbanism of PRD845 blends positive densification and climate-sensitive construction. •Phoenix has a seemingly endless supply of single-family houses, and lately, as part of downtown revitalization, it•s starting to build high-rise condominiums‚Ž says lead designer Christiana Moss. •What•s missing is the middle scale.Ž To introduce that middle scale, the architects have designed an elegant hybrid: a blend of town houses and mews with three bars of three- and two-story units divided by two interior auto courts. With some of the units

ONLINE: Rate this project and access additional sources at architecturalrecord.com /bts/.

Nancy Levinson is director of the Phoenix Urban Research Laboratory at the Arizona State University College of Design.

The ribbonlike plane of galvanized metal folds up and down to become both roof and wall, enclosing outdoor rooms and unifying the town houses. The desert landscaping features drought-tolerant trees and plants.




SITE PLAN

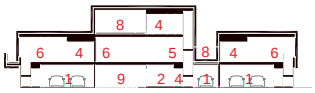
THIRD FLOOR

SECOND FLOOR

1. Garage
2. Studio
3. Entry
4. Bath
5. Kitchen
6. Great room
7. Bedroom
8. Patio
9. Breezeway

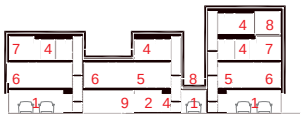
## Commentary

PRD845, and a small group of similarly ambitious multifamily projects, point to what Moss describes as an •optimisticŽ new direction for Phoenix housing„a strategy that would allow the city to grow in and up rather than out and low, and to find its own style of doing so, rather than applying patterns from older cities. Whether the city will support such a strategy„ incentivizing density rather than expansion„remains uncertain. Here, as in many U.S. cities, the d-word can break deals, and the buoyant market that emboldened progressive urbanists has deflated fast. And yet the environmental and social benefits of center-city living„shorter commutes, cleaner air and water, richer civic and cultural life, stronger communities„today practically define metropolitan success and prosperity. Add to this urban equation the price of oil„now more than $100 per barrel, and $5 per gallon in some coastal California towns„ and you just might catalyze a more innovative era of residential design in this archetypal sprawling city■

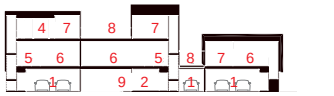


SECTION B-B

SECTION D-D



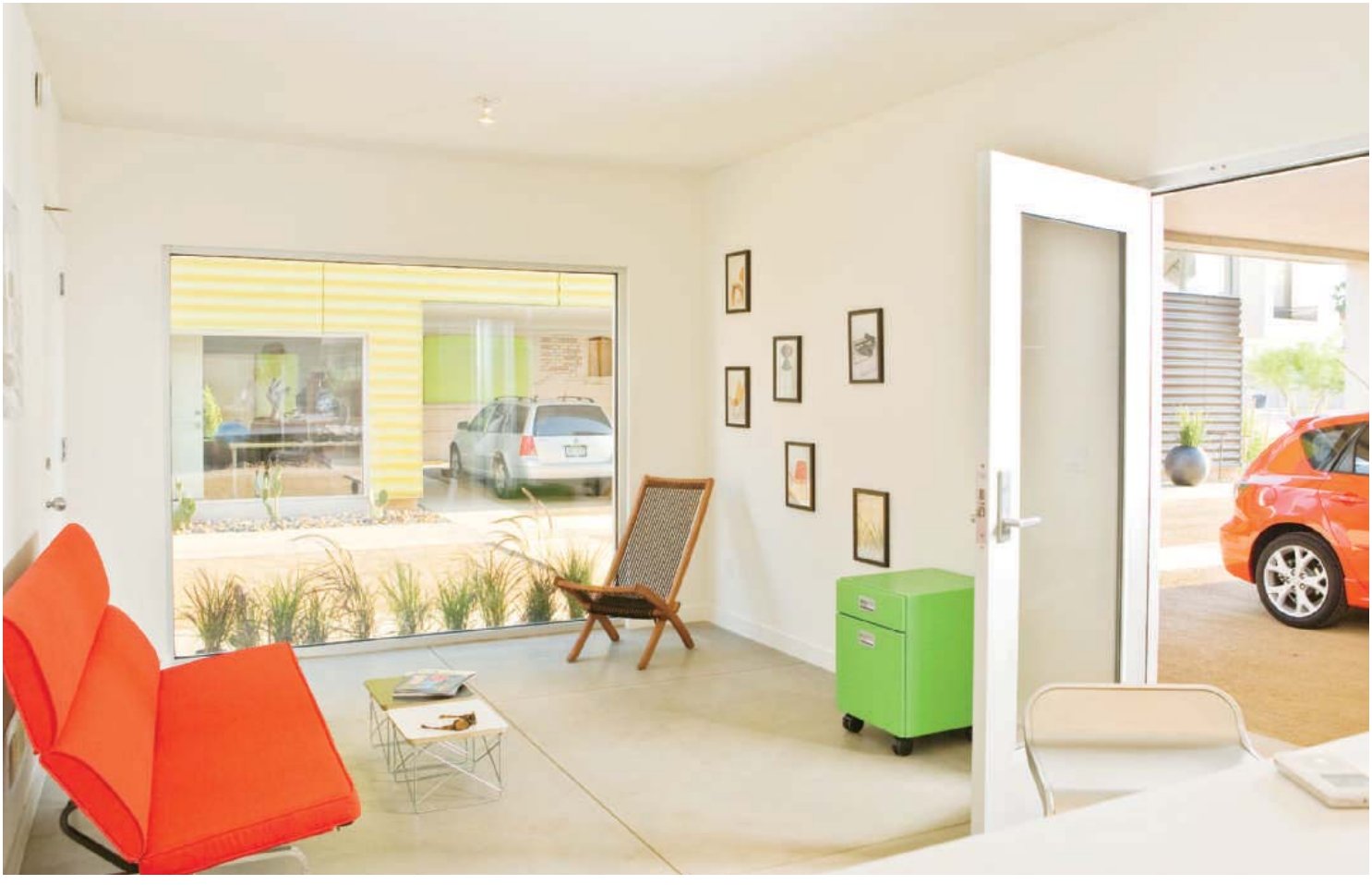
SECTION A-A



SECTION C-C

0 20 FT.
6 M.

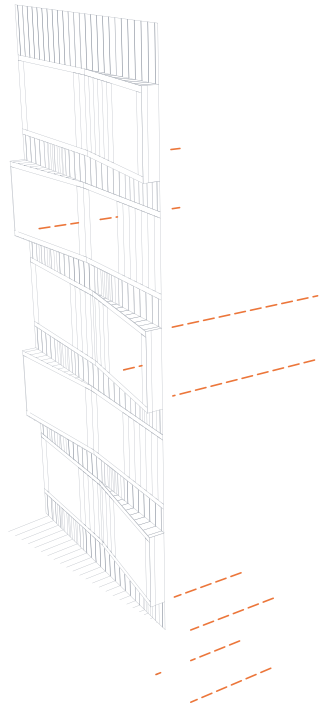
1. Garage
2. Studio
3. Entry
4. Bath
5. Kitchen
6. Great room
7. Bedroom
8. Patio
9. Breezeway



# Three: SWITCH BUILDING
## New York City

sets the front and back facades of this mid-rise apartment building in motion to capture views and light.

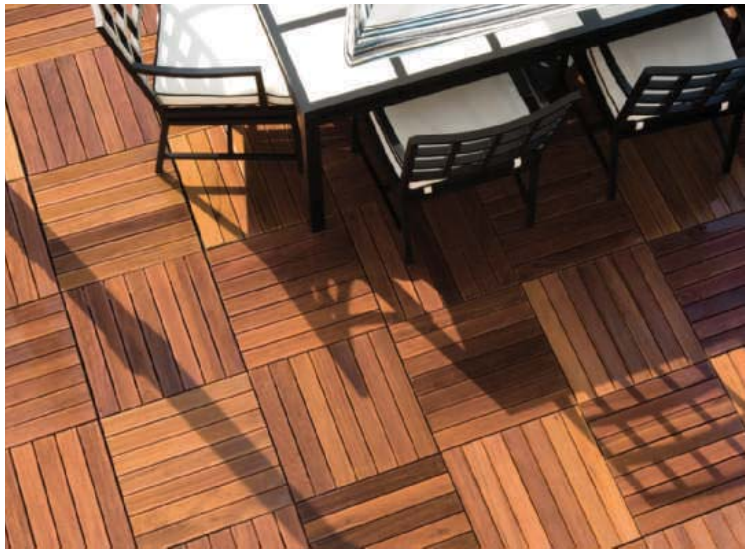
By Clifford A. Pearson



ONLINE: Rate this project and access additional sources at architecturalrecord.com /bts/.

# Product Focus **Landscape**

Innovative and ideal for all manner of projects„residential, hospitality, and more„our selection of outdoor products and materials includes a variety of greener exterior wood alternatives, chemical-free swimming pools and lawns, al fresco electronics, and whimsical furnishings. *Linda C. Lentz*



East Teak Fine Hardwood Ipé deck tile (top left); FiberTech Polymer TimberWolf Wood Composite Fencing (above); and Bay Tree Technologies PureWood preserved wood decking (left) are durable, workable, stable, easy to maintain, and resistant to weather, insects, acids, fungus, UV, and water.

## A trio of manufacturers redefine •greenŽ wood with variations on earth-friendly options

Teak has long been a paradigm for landscaping due to its inherent properties. It is costly, however, and while carefully managed forests are combating its potential extinction, overconsumption is a volatile issue.

•The price of teak is driven by supply and demand, but also by harvesting techniques. It•s still harvested by elephant‚Ž says George Guy, vice president of East Teak Fine Hardwoods. Moreover, he adds, its country of origin, Myanmar, significantly impacts the bottom line.

While the company offers FSC-certified reclaimed teak decking and timbers, ipé (aka Brazilian walnut) is a much less expensive option with otherwise similar attributes„and, according to Guy, strictly controlled by the Brazilian government.

Tobacco brown in color, harder and denser than teak, with a fire rating equal to concrete or steel, ipé is also more difficult to work with, which is what makes the company•s new deck tiles so compelling.

Available in straight patterns with nonslip grooves, the units measure 20" x 20" and install easily with the company•s I-Connect mechanism that grips tiles together and separates them into halves or quarters to accommodate edges. East Teak Fine Hardwoods, Dallas, Tex. www.eastteak.com CIRCLE 214

Teaklike in all its attributes, but made with southern yellow pine, PureWood chemical- and metal-free preserved wood decking and components from Bay Tree Technologies is a result of the Stellac Thermally Modified Wood (TMW) process used in Europe for more than a decade.

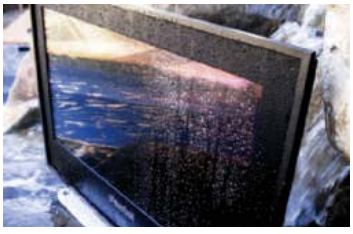
According to Bill Schwam, vice president of sales and marketing, this proven technology marries heat and steam to about 400 degrees F. It kills the nutrients that attract insects, fungus, and molds but stabilizes the wood, which is light, renewable, and recyclable. Bay Tree Technologies USA, Memphis, Tenn. www.purewoodproducts.com CIRCLE 215

With the look and performance of hardwood, FiberTech•s TimberWolf Wood Composite Fencing is certified by Scientific Certification Systems (SCS) to have a minimum of 90 percent postconsumer recycled content, in this case high-density polyethylene containers and wood fiber. Indeed, says Jerry Crews, vice president of engineering, it•s been tested and exceeds Miami-Dade•s requirements for wind load. FiberTech Polymers, Santa Ana, Calif. www.timberwolfcomposites.com CIRCLE 216

# Products Landscape

▲ Super graphics

Woven with 100 perfect Sunbrella solution-dyed acrylic, the Sina Pearson sateenlike Oasis collection of outdoor upholstery fabrics is not only colorfast and fadeproof, but weather- and mildew-resistant. It is available in two bold stripe configurations„the variegated Courtyard and uniformly arranged Pergola. Both come in seven summery colorways featuring combinations of such sophisticated hues as rust, brick, lime, sage, taupe, brown, ochre, camel, sky, turquoise, aqua, sage, orange, and beige. Sina Pearson Textiles, New York, N.Y. www.sinapearson.com CIRCLE 221



▲ From Sherwood to your wood

Perfect for the hippest castle or forest, Philippe Starck•s RobinWood Deluxe Collection of garden furnishings for Sutherland is a playful tour de force in teak and satiny aluminum. Twists of fancy include the gently curved arm of the chaise (above) and such royal appointments as a canopied bed topped by a tournament flag. Sutherland, Dallas, Tex. www.sutherlandfurniture.com CIRCLE 219

▲ Plug and play

Designed by the Belgium-based Wim Segers, the Natalia Sofa system is a versatile mix of interchangeable sofa backs and bases that attach or detach to the edge of the frame as desired. This makes for myriad •quickŽ scene changes from, say, poolside lounging to cocktails. Available in 3- and 2-seat sizes, Natalia is made of electropolished stainless steel and comes in a selection of urbane outdoor neutrals and C.O.M. (customer•s own material). Henry Hall Designs, San Francisco, Calif. www.henryhalldesigns.com CIRCLE 223

◄ Classic ornamentation

An authority and dealer of fine antique garden statuary and ornaments for 20 years, Barbara Israel has turned her attentions toward making her treasures available to a broader landscaping audience. Founded in 2006, Garden Traditions offers a series of composition stone reproductions modeled after such elegant figures as a near life-size Somerset Maiden (left), cast after an English carved-stone original of about 1880. Garden Traditions, New York, N.Y. www.gardentraditions.us CIRCLE 220

For more information, circle item numbers on Reader Service Card or go to architecturalrecord.com/ products/ .

Michelin on Main, Greenville SC | Details: Central column of frame, fabric & polycarbonate surround with integrated millwork kiosk, printed polycarbonate graphic walls & framed printed fabric ribbon "tire" road with integrated fiber optic lights create a dynamic branded environment. | Fabrication - Eventscape | Design - Neal Prince + Partners Architects | Photography: Fred Martin Photography Inc.

Award Winner

**Infinite flexibility.** We will build any structure at any scale, with no restriction on form or material. Our obsession with craftsmanship and detail guarantees that every structure is as beautiful as it is functional

T 416.231.8855 F 416.231.7225 E info@eventscape.net
See creative visions become reality at **www.eventscape.net**

eventscape®
create without boundaries™

You spent *days* choosing the right marble for your interior.

*Spend a few minutes choosing the best materials for your* exterior.

*Vanguard Detectable Warnings won't crack, peel or chip over time.*

Before they reach the front door of your building, they'll see our Detectable Warnings.

***Vanguard Detectable Warnings*** look better, longer.

Liquid-applied, the material bonds to the surface as a single unit – leaving no ugly seams that collect dirt, crack, chip or peel up over time.

*Specify Vanguard – Specify the Best.*

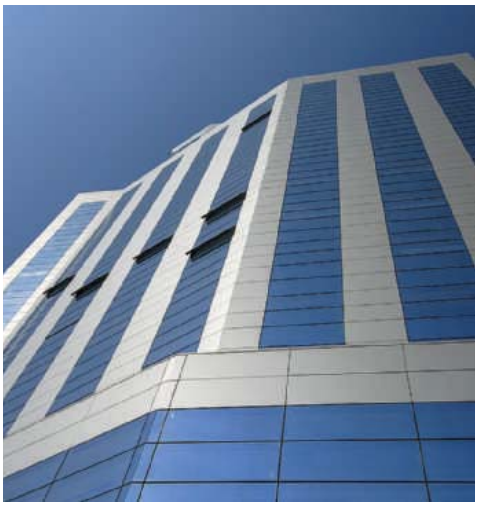
VANGUARD ADA SYSTEMS

*Share The Vision*

**VanguardOnline.com**

*Vanguard Detectable Warnings are composed of 25% recycled material!*

# Product Briefs



### ► On the cutting edge

An industry first, SunGuard s low-E Royal Blue 40 on clear glass offers a striking azure appearance without the cost, heat absorption, and typical bluish interior light transmitted by coatings on blue float glass. One of the brand s advanced architectural glass products, this high-performance glazing comes in three hues—royal blue, blue gray, and aquamarine—and on three substrates for a variety of appearances. Most notably, it imparts a neutral and natural light inside the building while blocking solar heat gain. Guardian Industries, Auburn Hills, Mich. www.sunguardglass.com **CIRCLE 224**

### ◄ The wellness factor

Created for health care interiors, the Heiko vinyl surface collection features carefully edited families of resilient, hygienic, low-VOC wall and floor materials in tranquil colors and textures. Named after the Japanese word for balance, Heiko is composed of more than 35 percent preconsumer recycled content and comes in soothing neutrals, greens, blues, beiges, deep hues, and warm wood looks. Additionally, the line is shock- and sound-absorbing, antimicrobial, and has Class-B-rated vertical surfaces in accordance with the NFPA 101 Life Safety Code. Lonseal, Carson, Calif. www.lonseal.com **CIRCLE 225**

### ► Breathe easy

Manufactured in a zero-discharge state-of-the-art facility, this 6-year old company s zero-VOC paint boasts the additional benefit of being completely nontoxic and carcinogen free. Note the warning labels on similar products. What minimal natural odor there is disappears upon drying. Formulated to equal the most stringent coverage and quality standards, the line includes primers, ceiling, flat, eggshell, semi-gloss, high-gloss, and exterior coatings. There are 1,232 standard colors, and near-unlimited custom shades. Mythic Paint, Hattiesburg, Miss. www.mythicpaint.com **CIRCLE 226**

### ◄ Opening details

Based on the success of its Designer Collection Entrance Sets, introduced last year, Hickory Hardware has created a coordinating line of Designer Collection Hinges in the same traditional finishes, which include Antique Black Copper, Satin Nickel, Espresso, Winchester Brass, English Antique, Antique Pewter, Lifetime Brass, and Bright Chrome. Crafted out of forged solid brass, the hinges are available in 3½"-square-corner and 4"-square-corner, as well as ⅝"- and ¼"-radius-corner sizes. Hickory Hardware, Nashville, Tenn. www.hickoryhardware.com **CIRCLE 227**

*architecturalrecord.com/products/.*

introducing the
**BARCODE WALL LIGHT**

additional colors and fixture types from the entire barcode collection available online.

HAMPSTEAD LIGHTING
www.hampsteadlighting.com

CIRCLE 71

# Made Possible by Bilco

The National World War II Memorial, located in Washington DC, is a stunning tribute to the men and women who sacrificed their lives in order to preserve the American way of life. While this national masterpiece possesses many beautiful features, none is more breathtaking than the memorial's signature fountains.

While we obviously can't take credit for the beauty of this national monument, or the hard fought efforts of those it honors, we do play a role in maintaining its splendor. Bilco supplied custom doors to provide access to the fountain's pump system. The extra effort made by Bilco to meet the challenging schedule was praised by the project's

*Type J stainless steel floor door with grating cover option*

## *Bilco, Your Source for Specialty Access Solutions*

**For more information on our products or help with your next design problem, call (203) 934-6363 or log on to www.bilco.com**

Bilco®

See us at the CSI Show; booth # 941

CIRCLE 72

Concealed & Customizable Fire Alarms & Emergency Lighting

**NFPA 72 Standards - UL Listed**

Our fire alarm and emergency lighting blends in, and remains completely hidden and flush until activated.

Concealed View

Active Views

CONCEALITE LIFE SAFETY PRODUCTS

**Phone: 888-542-4480**
**www.concealite.com**

Ilori
New York

CASCADE COIL DRAPERY
www.cascadecoil.com
800-999-2645

CIRCLE 74

# eero saarinen shaping the future

, circa 1963.

© Balthazar Korab Ltd.

ARCHitecture day june 21

Families will explore Saarinen•s structures and be invited to build with LEGOS®, soft blocks, bricks, and even their bodies in a hands-on family day.

preserving modernism in a green world june 30

This panel discussion considers the situations where preservation and sustainability meet to preserve modernist buildings.

visit for more information about the exhibition and these special programs.

ASSA ABLOY

NATIONAL BUILDING MUSEUM

National Building Museum
401 F St NW Washington, DC 20001
202.272.2448 www.NBM.org
Red Line Metro, Judicary Square

## 'SQTIXMXMSRW

### Kokuyo Design Award 2008 Call for Entries

:[WZb_d[0 @kd[ )&" (&&.

The goal of this competition is to develop great ideas to commercialize products Ñ objects that exist in the office, home, and public space. The theme of the competition is Ôcarbon neutral living.Õ Life cycle assessment materials and sustainable energy, such as paper, recycled, thermal insulation, wood, solid and gas organic are acceptable. The design should incorporate, provoke thought about the carbon cameron and where it will go after its use. For more information, visit http://www.kokuyo.co.jp/award/

### LIVE the BOX: A National Architectural Design Competition

H[]_ijhWd Z[WZb_d[0 @kd[ (*"

;n^_X_j_ed0 EYjeX[h (&&.

Thousands of US wants shipping containers clog up ports and the land around them. This competition invites innovative thinkers and designers to reinvent the box with the most visionary and creative utilization of these shipping containers as the primary structure for an urban multifamily mixed use project. The selected site is adjacent to a major transportation and walking hub at the edge of downtown and major cultural center of New York. Visit www.livetheobox.com

### EnergyValue Housing Award

:[WZb_d[0 @kbo ''" (&&.

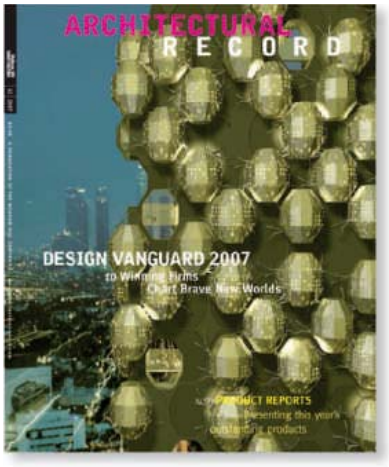
The EnergyValue Housing Award (EVHA) is the nation•s premiere energy efficiency awards honoring builders who voluntarily incorporate energy efficiency into all aspects of new home construction. Builders submit detailed applications in any of five categories: Affordable Custom-Demonstration Home, Multifamily Production Home of the Year, Regional Builder of the Year, Moderate Income Home. A panel of industry experts evaluates the applications and selects winners based on energy efficient design, construction, marketing and customer satisfaction, and energy programs. For more information, visit www.ahbook.com/evha

;#cW_b _d\ehcWj_ed jmecedj^
[b_iWX[j^UXheec[6cY]hWm#^_bb

ARCHITECTURAL RECORD

# Design Vanguard

## CALL FOR ENTRIES



THE SKY IS THE LIMIT...

:fekiX`c

PEERLESS®
An AcuityBrands Company

Lighting for People®

the ultimate cable system

Arakawa

Arakawa Hanging Systems supplies quick release cable Grippers. Easily install displays, secure them quickly and change them with little effort.

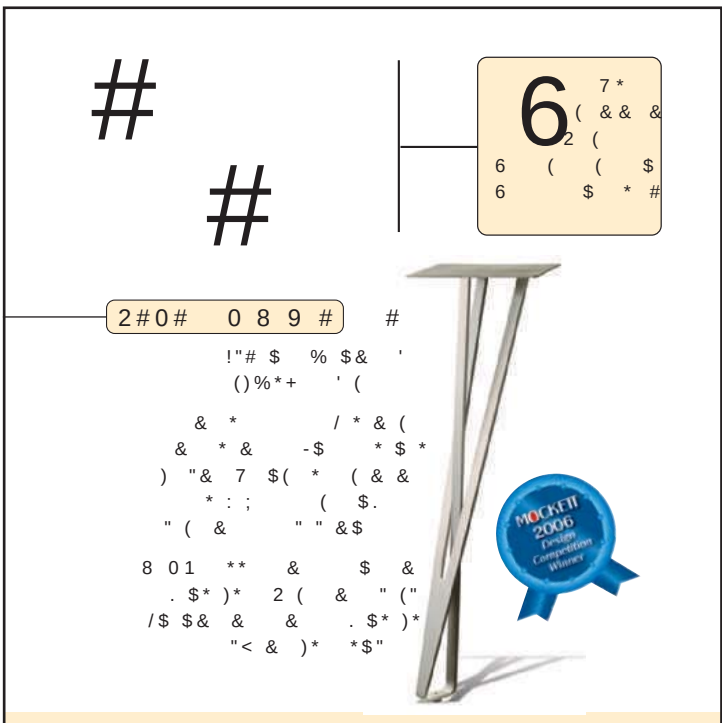
Shown here is our popular floor tensioner that also works well as a turnbuckle for balustrades. This gripper, like many of Arakawa•s products, encompass multiple uses and flexible designs. The mechanical grip uses no set screws, which saves time and eliminates damaged cable.

Visit us today.

www.arakawagrip.com

Arakawa Hanging Systems fax: 503.236.0427 toll free: 888.ARAKAWA

CIRCLE 81




MOCKETT
DOUG MOCKETT & COMPANY, INC

CIRCLE 82

CIRCLE 83

The industry leader in

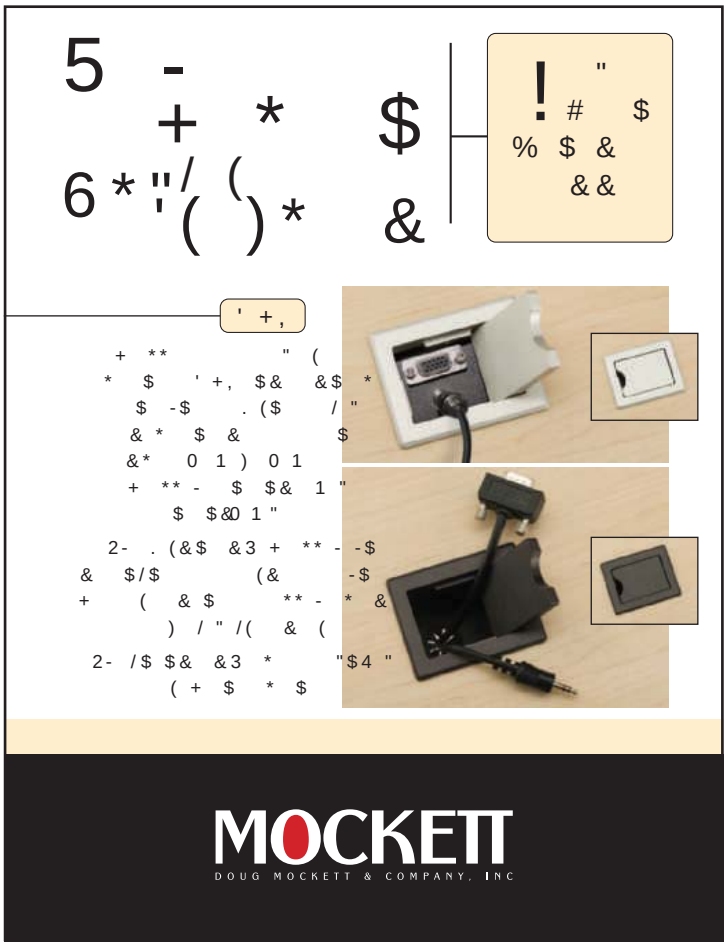
# Quality Mailboxes

mailboxes.com™

1-800-MAILBOX

SALSBURY INDUSTRIES

CIRCLE 85




CIRCLE 84

HOWTO

combat global warming, reduce the production of greenhouse gases, and build a stronger infrastructure.

## SPECIFY FLY ASH

(a recovered resource)

as a replacement for cement in concrete.

When you specify fly ash as replacement for cement in concrete, you help reduce $CO_2$ emissions from cement production, conserve landfill space, and decrease water usage. You also enhance workability and chemical attack resistance, increase strength and produce more durable concrete.

Contact Headwaters Resources for free technical literature and information on how fly ash use benefits the environment and produces better concrete.

REGISTERED PROVIDER

MEMBER

HEADWATERS RESOURCES

www.flyash.com | 1-888-236-6236

CIRCLE 86

## Architectural Illustration & Presentation

### Genesis Studios, Inc.

Genesis Studios has provided architectural presentations for architects, developers, owners, and homebuilders around the world for 23 years. They create everything from conceptual graphics to formal marketing material in ink, watercolor, digital media, animations, scale models, and more. Their portfolio ranges from small intimate rooms and gardens to major cities. 800-933-9380 www.genesisstudios.com

Circle 150

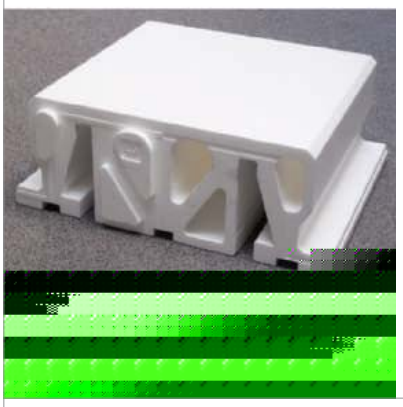
## Your Total Slate Solution

### Evergreen Slate Company, Inc.

Evergreen Slate is the largest producer and supplier of natural roofing slate in North America. Since 1916, Evergreen has taken pride in providing high-quality slate for roofing, flooring, flagstone, landscape stone and structural applications. Evergreen•s wide variety of sizes and textures allow for varied architectural and interior effects and have made it the total slate solution for architects, contractors and roofers around the world. 866-USA-SLATE www.evergreenslate.com

Circle 153

## Floor & Roof System



### Amvic Building System

AmDeck' is a lightweight, modular stay-in-place form made of EPS for concrete floors/roofs. One-way concrete floor/roof joists can span up to 30- to 35-ft. and shoring can be placed up to 20-ft. on center. Overall, AmDeck' is well engineered and easy to use. A perfect addition to your next project. 877-470-9997; 416-410-5674 www.amvicsystem.com

Circle 151

## Wrought Iron Components

### Architectural Products by Outwater

Outwater•s hand created, timeless patterns of fine architectural Wrought Iron Railing, Gate and Grille Components can be used for residential and commercial renovations or new construction design applications alike to create classical or contemporary Stair Railings, Balconies, Window Coverings, Fences, Gates, and so much more. Unlike cast products, not only are Outwater•s •solid materialŽ Wrought Iron Components easy to weld and virtually unbreakable, they can also be easily painted, powder or clear coated, treated with patinas or galvanized. Free 1,000+ Page Master Catalog. 800-835-4400 www.Outwater.com

Circle 154

## Architectural Terra Cotta Rainscreen Cladding System

### Boston Valley Terra Cotta

TerraClad is a natural terra cotta product formed into a high performance architectural rainscreen panel. These fired clay products offer many LEED point possibilities for recycled content and regional material use. Available in louvers, baguettes and panel sizes, all in an infinite color palette to match the designers imagination. 888-214-3655 www.bostonvalley.com

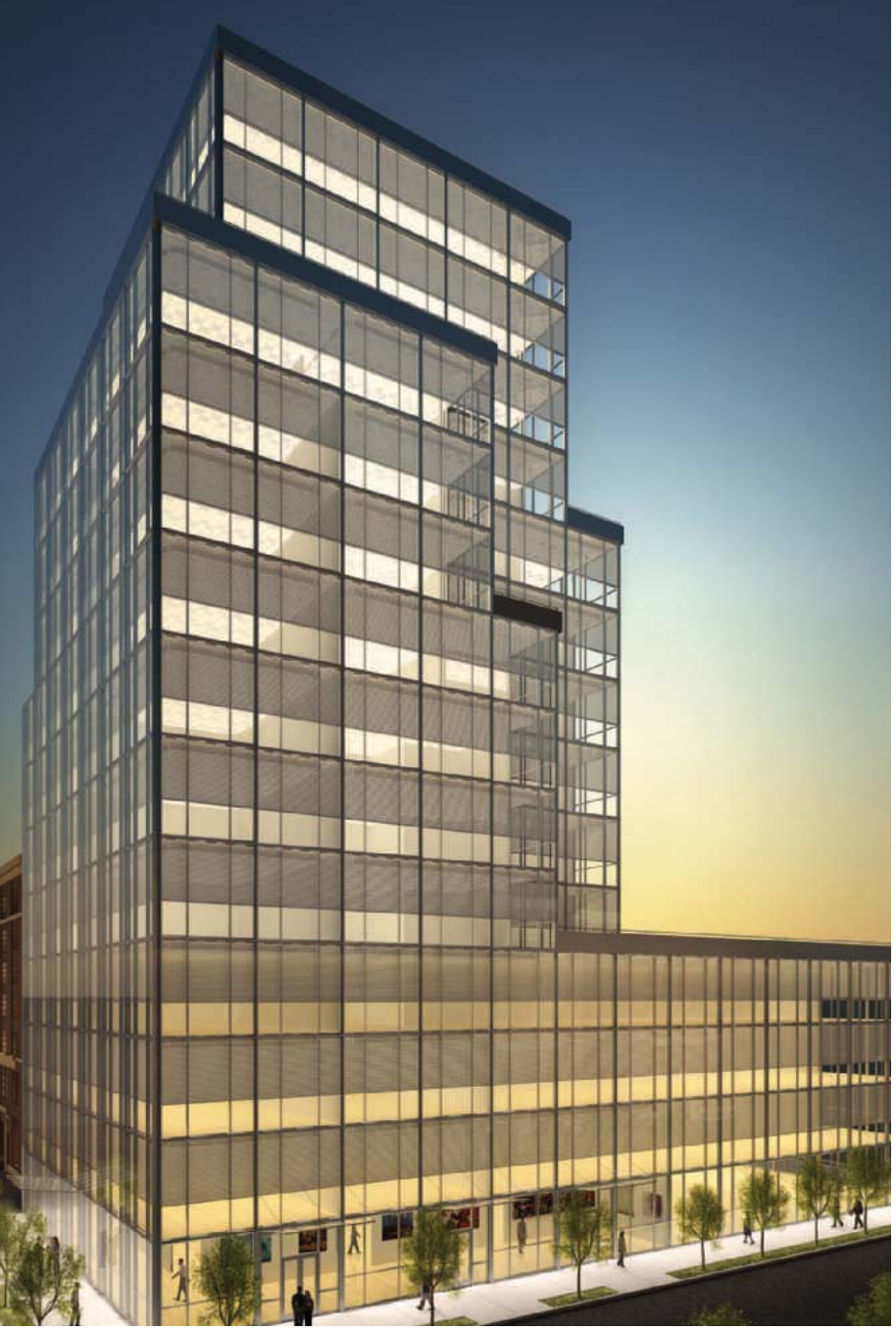
Circle 152

## Metal & Metal Grating

### Hendrick

Setting a new standard for perforated metal and metal grating, Hendrick offers unlimited applications including grating and grilles, curved grating, and facades, building sun shades, wall and ceiling cladding, columns covers, railing in-fill panels, signage, custom interior panels, ventilation and aesthetic screening for building mechanicals and equipment. 800-225-7373 www.perfscreen.com

Circle 155



# Clean lines

## Showcase your design with Lutron® shades

## Lutron controllable shade systems preserve the integrity of your design.

Experience the flexibility of individual shade control along with the convenience of whole building control.

- Precision alignment of shades to 1/16” of each other
- Ultra-quiet performance
- Integrate shades with Lutron lighting control systems to provide optimal lighting and save energy

Sivoia QED (quiet electronic drive) provides precision shade control

Fabric shown: SheerLite solar fabric in Charcoal/Gray

LUTRON®

Call **877.258.8766** or visit **www.lutron.com** for information on Lutron’s complete line of fabrics, shades and controls.

save energy with Lutron™

CIRCLE 90