

# TEXAS ARCHITECT



# PEACE *of* MIND

*Y*ou can have it all with Celotex® Presidential Shake™ Shingles — the rich, elegant look of hand-split cedar shakes plus the safety and fire resistance of modern asphalt shingles. There has never been another shingle like it.



**SAFETY · BEAUTY · DURABILITY**



*Six Colors Available*  
*Bark Brown*  
*Shadow Gray*  
*Wood Tone*  
*Weathered Wood*  
*Arctic White*  
*Slate Gray*

### *Exceptional Appearance*

Double laminated, with extra thick tabs and slightly curved edges, to simulate the look of hand-split cedar shakes. A thicker, bolder roof that really makes a difference in appearance, performance and safety.

### *Outstanding Quality*

Presidential Shake shingles are so exceptional, they are backed with a 40-year Limited Warranty. And why not? Celotex is the only residential roofing manufacturer to earn the Good Housekeeping Seal.



### *Resists Fire*

The distinctive special colored granule surface protects from external fires, flying sparks and wind-blown embers and carries the industry's highest fire rating — UL Class A.

### *Stands up to High Winds*

A unique double shingle sealant provides twice the protection against high wind damage... they've withstood 150 m.p.h. wind!

*For More Information Call*

**1 · 800 · CELOTEX**

*Presidential*  
**S H A K E**

**Celotex**  
*THE SHAKES*

ROOFING PRODUCTS DIVISION  
 THE CELOTEX CORPORATION  
 POST OFFICE BOX 31802  
 TAMPA, FLORIDA 33631

**For more information, visit us in booth 226 in Houston, or circle 38 on the reader inquiry card**

# TEXAS ARCHITECT

11 / 12

Annual Review of Texas Architecture  
1992

**On the cover:** Addison Conference & Theatre Center by Cunningham Architects; photograph by James F. Wilson

<b>Editor's note</b>	<b>5</b>	<b>38th Annual TSA Design Awards</b>	
<b>Letters</b>	<b>8</b>	<b>A House of Thought</b>	<b>36</b>
<b>News</b>	<b>16</b>	Texas Stretto House, Dallas, by Steven Holl Architects, New York	
Of Note	17	<b>The Secret Garden</b>	<b>38</b>
Calendar	26	El Tile Ranch House, Falfurrias, by Lake/Flato Architects, San Antonio	
<b>Survey</b>	<b>70</b>	<b>Church of the Rock</b>	<b>40</b>
Products and Information	76	Cistercian Abbey Church, Irving, by Cunningham Architects, Dallas	
Resources	81	<b>Classical Clay</b>	<b>42</b>
Marketplace	82	Hutchings-Sealy Building, Galveston, by Ford, Powell & Carson Architects, San Antonio	
On Paper	84	<b>Tower Modernized</b>	<b>44</b>
		Tower City Center, Cleveland, Ohio, by RTKL Associates, Inc., Dallas	
		<b>Breaking the Box</b>	<b>46</b>
		Austin Convention Center, Austin, by Austin Collaborative Venture, Austin	
		<b>Tower Suite</b>	<b>48</b>
		Addison Conference & Theatre Center, Addison, by Cunningham Architects, Dallas	
		<b>In Living Color</b>	<b>50</b>
		Harris Adacom Technology Center, Dallas, by Good, Fulton & Farrell, Dallas	
		<b>Bankable Design</b>	<b>52</b>
		Bank One Executive Offices, Cleveland, Ohio, by RTKL Associates, Inc., Dallas	
		<b>Low-Budget Success</b>	<b>54</b>
		Dallas Chapter/AIA Offices, Dallas, by Stacy Architects, Dallas	
		<b>A New Set of Stacks</b>	<b>56</b>
		A. Frank Smith Memorial Library, Georgetown, by Skidmore, Owings & Merrill	
		<b>Turning the Corner</b>	<b>58</b>
		Coates Student Center, Trinity University, San Antonio, by Chumney/Urrutia Architects, San Antonio	
		<b>Show Room</b>	<b>60</b>
		Eve France, Houston, by CRSS Architects, Inc., Houston	
		<b>Mission Metro</b>	<b>62</b>
		Mission Bend Transit Center, Harris County, by Rey de la Reza AIA Architects, Houston	
		<b>Graphics Awards</b>	<b>64</b>
		Winners in the concept-and-imagination category of the 1992 <i>Texas Architect</i> Graphics Competition.	

# Texas Architects & Designers

If you use the *1991 Standard Codes*<sup>\*</sup>, you need these new products:

## ☛ Standard Search<sup>™</sup> Software

- Now the entire *1991 Standard Building Code*<sup>®</sup>—text and illustrations—is as close as your keyboard. The entire code is available on PC-compatible diskettes (3 1/2" or 5 1/4").
- You can access any information found in the code through a simple "search" command.
- A special "clipboard" feature allows you to copy portions of the code into your own word processing program.

SBCCI member price/\$149; nonmember price/\$224

## ☛ Commentaries to the *1991 Standard Codes*<sup>™</sup>

All commentaries contain interpretations to the most complicated sections of the *1991 Standard Codes*. Each interpretation includes the code text to which it refers.

- *The Standard Building Code Commentary*<sup>®</sup>—*Volumes I and II*  
SBCCI member price/\$80; nonmember price/\$120
- *The Standard Plumbing Code Handbook*<sup>®</sup>  
SBCCI member price/\$35; nonmember price/\$50
- *The Standard Gas Code Commentary*<sup>®</sup>  
SBCCI member price/\$20; nonmember price/\$30
- *The Standard Mechanical Code Commentary*<sup>®</sup>

SBCCI member price/\$20; nonmember price/\$30

*Multiple order discounts available.*

## ☛ SBCCI Plan Review and Code Analysis Software

If you are an architect or engineer and want a practical method to assure *1991 Standard Building Code* requirements are met, then this software is for you.

- Helps you print more detailed reports
- Adapts easily to reflect any local code requirements you may need
- Allows you to incorporate your own comments
- Works on almost all IBM-compatible computers

SBCCI member price/\$1000; nonmember price/\$1300

To order any of these products, or for more information, contact the SBCCI Southwest Regional Office, 3355 Bee Caves Road, Suite 202, Austin, Texas 78746-6673, phone 512-327-8278. Not an SBCCI member? Ask about how easily you can become a member and receive invaluable benefits such as special member discounts. Annual fees start as low as \$50.

<sup>\*</sup> The *Standard Codes* is a set of model building codes maintained and published by the Southern Building Code Congress International, Inc. More than 450 municipalities and government agencies in Texas use the *Standard Codes*.

November/December 1992 Volume 42, Number 6

*Texas Architect* (ISSN: 0040-4179) is published seven times per year (bimonthly and in April) by the Texas Society of Architects, 114 West Seventh, Suite 1400, Austin, Texas 78701. TSA is the official Texas state organization of the American Institute of Architects (David Lancaster, Executive Vice President). Copyright 1992 by the Texas Society of Architects.

Joel Warren Barna **Editor**  
 Ray Don Tilley **General Manager**  
 Susan Williamson **Associate Editor**  
 Carolyn Baker 512/929-9018 **Advertising Representative**  
 Billie Dixon 512/454-6683 **Advertising Representative**  
 Katie Larson 214/393-1111 **Advertising Representative**  
 Linda Langan **Marketing Assistant**  
 Kimberly J. Burns **Membership Director**  
 Irene Garza **Controller**

### TSA Publications Committee

William L. Peel, AIA, Houston (chairman); Lawrence H. Connolly, AIA, Midland; Jeffrey C. Fetzer, AIA, San Antonio; Vincent Hauser, AIA, Austin; Gilbert Hoffman, AIA, Houston; Nestor Infanzón, AIA, Dallas; Rebecca Renfro, Houston; C. Mark Seiley, AIA, Dallas; Ed Soltero, Assoc. AIA, El Paso; Dennis W. Stacy, AIA, Dallas; Robert Steinborner, AIA, Austin

### Contributing Editors

David Dillon, Dallas; Stephen Fox, Houston; R. Lawrence Good, FAIA, Dallas; Douglas Harvey, San Antonio; Barbara Koerble, Fort Worth; Gerald Moorhead, FAIA, Houston; Lila Knight, Austin; Willis Winters, AIA, Dallas; David Woodcock, FAIA, RIBA, College Station

### TSA Officers

Logic Tóbola II, FAIA, Houston, President; James D. Tuttle, FAIA, Abilene, President-Elect; Robert A. Brooks, AIA, Houston, Vice President; Rudy V. Gomez, AIA, Brownsville, Vice President; Paul Kinnison, FAIA, San Antonio, Vice President; Gary K. Weeter, AIA, Dallas, Vice President; Tommy Cowan, AIA, Austin, Treasurer; Donald E. Dickerson, AIA, Amarillo, Secretary; David Lancaster, Austin, Executive Vice President

### TSA Board of Directors

Richard Buzard, AIA, Abilene Chapter; Thomas L. Lavin, AIA, Amarillo Chapter; Chuck Croft, FAIA, Austin Chapter; James E. Holster, AIA, Brazos Chapter; Bill T. Wilson II, AIA, Corpus Christi Chapter; Jan Pittman, AIA, Dallas Chapter; James A. Wofford, AIA, El Paso Chapter; Jim F. Lemons, AIA, Fort Worth Chapter; O'Neil Gregory, AIA, Houston Chapter; Teresa Morales-Best, AIA, Lower Rio Grande Valley Chapter; Danny D. McLarty, AIA, Lubbock Chapter; Stephen Kent Harris, AIA, Northeast Texas Chapter; J. Carlos Jones, AIA, San Antonio Chapter; William F. Nelson, AIA, Southeast Texas Chapter; Keith J. Bailey, AIA, Waco Chapter; James Riggen, AIA, West Texas Chapter; Don G. Daugherty, AIA, Wichita Falls Chapter; R. Lawrence Good, FAIA, Dallas, and John Only Greer, FAIA, College Station, AIA Directors; Lee Roy Hahnfeld, FAIA, Fort Worth, TAF Chairman; Anne P. Dickson, Dallas, Public Member

Second-class postage paid at Austin, Texas, and additional mailing offices. **Postmaster:** Send address changes to *Texas Architect*, 114 West Seventh, Suite 1400, Austin, Texas 78701. Phone: (512) 478-7386.

Subscription price is \$12.00 per year for TSA members, \$21.00 for nonmembers with addresses in the continental U.S. (nonmembers do not receive the *Practice Annual*). Reproduction of editorial content without written permission is prohibited. Use of names and images of products and services in either editorial or advertising does not constitute an endorsement by TSA or AIA, nor does comment necessarily reflect an official opinion of either organization. *Texas Architect* is indexed by the Avery Index of Architectural Periodicals, available in major libraries.

## Thinking About Preservation

AT THE END OF SEPTEMBER, as I was concluding my part of production work on this issue of *Texas Architect*, I had the opportunity to attend a couple of enlightening functions in Dallas.

The first was a panel, presented by the Dallas Chapter/AIA (with the generous sponsorship of Ridgway's). The panel focused on the linked crises of affordable housing and preservation in Dallas, particularly in the predominantly African-American neighborhoods of Oak Cliff, south of downtown Dallas. It brought community-group leaders from several of these neighborhoods together with representatives of the City of Dallas Housing and Neighborhood Services Administrative Division, to discuss encouraging the city to preserve vacant houses instead of, as many activists charged, rushing to demolish them. For me, the real benefit of the evening was in seeing a room packed with architects who had come to listen not to each other but to leaders from endangered neighborhoods, who set out *their* preservation agendas, in which architecture played only a limited role. What I brought away from the meeting was the feeling that the efforts of those in the Dallas Chapter's leadership to focus attention on affordable housing and preservation, efforts that have been under way for years, are beginning to coalesce into effective form.

The second event was the Dallas Symposium, a two-day presentation at the Dallas Museum of Art, organized by museum curators, along with Hayslip Design Associates and Smith Ekblad Architects of Dallas. A series of well-paced, interesting lectures focusing on late-18th- and 19th-century architecture, landscape design, and decorative arts, the Dallas Symposium was a purely educational event for a small, select audience. Of course, it was also at the opposite pole from the affordable-housing panel discussion, in terms of the economic, political, and social standing of most of the participants.

But as dissimilar as these two events may seem, they show architects involved in preservation—of physical urban fabric, of historical knowledge. This focus on preservation, I think, is among the most valuable qualities that Texas architects have to offer their clients throughout the state. Whatever client base an architect works with, he or she needs to do what architects, almost uniquely in our society, are trained to do, which is to hold in mind a picture of the whole city, as it unites past and present, rich and poor. It makes a good framework for considering the winners of the 1992 TSA Design Awards program, presented on the following pages.

\*\*\*\*\*

It's too late to welcome Susan Williamson: She's already been working as Associate Editor of *Texas Architect* for 14 months. For those who have seen her name and wondered about her, however, some facts: Susan comes to the magazine with a bachelor's degree in journalism from Stephen F. Austin State University and a master's degree in English from the University of Texas at Austin, as well as several years' experience as a newspaper journalist and technical writer. At the magazine, she writes and edits the News section, along with survey and feature stories and "advertorials," the informational pieces that accompany special advertising sections. With the changes that will come about starting with the January/February issue of the magazine, her role will be expanding. But more on that, and on those changes, next issue.

*Joel Warren Barna*

# A Macintosh will preserve the

"No house should ever be *on* any hill," Frank Lloyd Wright once wrote. "It should be *of* the hill, belonging to it, so hill and house could live together, each the happier for the other."

## The Apple Macintosh Quadra.

The notion of integrating into an environment rather than overwhelming it, of complementing what already exists rather than eliminating it, is as relevant to the architecture of computers as it is to the architecture of buildings.



Yet, to this day, the Apple Macintosh remains the only kind of computer designed from the very first chip to work the way people work, instead of forcing people to work like a computer.

Indeed, the most powerful expressions of this idea yet are the Macintosh Quadra™ 700 and 950 personal computers.

*Macintosh Quadra runs all the most powerful design and architecture software.*

Both computers combine the simple, commonsense virtues of every Mac with a whole new level of speed, storage, expansion and networking capabilities.

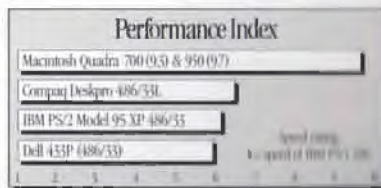
They're as easy to set up, learn and use as any Macintosh. And since they're significantly faster than 486 computers from Dell, IBM and Compaq,\* they let you do everything you do now faster than you've ever done it before—from whipping out proposals, estimates and presentations to revising construction drawings and creating newly rendered 3-D perspectives at remarkable speeds.

Both have the extraordinary processing power you need to run all the most popular architecture and



design software, including programs such as AutoCAD, ArchiCAD, MicroStation Mac, Architriion and Alias Upfront.

That's because both the 700 and 950 are powered by the awesome Motorola 68040 (rated at 20 and 25 MIPS, running at 25 and 33 MHz), which integrates the processor, math coprocessor and RAM cache all onto one chip. All this power means that you can now use



*Macintosh Quadra significantly outperforms 486 PCs from IBM, Compaq and Dell running Windows 3.11*

\*Comparisons are based on a 1991 independent research study conducted by Ingram Laboratories that tested a variety of personal computers running applications similar to AutoCAD, ArchiCAD and MicroStation Mac. All the tests reported are up to a 20% margin—also available for 21" monitors. Neither an endorsement nor a recommendation. All product specifications and descriptions were supplied by the respective vendor or supplier. ©1991 Frank Lloyd Wright & Associates, Inc. All rights reserved. "The Macintosh" and "Macintosh" are registered trademarks, and "WalkThrough" is a trademark of Virtek Corp. MicroStation is a registered trademark of Bentley Systems, Inc. All other trademarks are the property of their respective owners.

# With the power to environment.



the simplicity of a Macintosh to do things like create a stunning 3-D model of a building and combine it with a photograph of the environment or location where you want the building to go. Then take your clients on a real-time tour of the structure with programs like Virtus WalkThrough, letting them interact with the computer and choose the areas they want to explore.

You can add a 400MB hard disk to both the 700 and the 950. And the 950 even lets you add a CD-ROM drive or a removable

cartridge drive, and a disk array or more than one gigabyte of internal hard disk storage.

You can increase the memory of the 950 to up to 64MB of RAM so you can have several large files or many programs open at the same time.

And you don't have to buy an extra video card because high-resolution 24-bit photographic-quality video\*\* support is already built in.

Macintosh Quadra helps people work together, too. File sharing and networking are both built in, making it possible for anyone to build a network simply by plugging in a cable. For high-performance networks, Ethernet is built in as well.



*There are two Macintosh Quadra models. The 950 sits next to your desk; the 700 fits on top of it.*



*With accelerated 24-bit video support built in, Macintosh Quadra brings spectacular, photo-quality color to programs like ArchiCAD and ArchiTron without the expense of an extra video card.*

And Macintosh Quadra runs thousands of business programs at screaming speeds, including Lotus 1-2-3, WordPerfect and PowerPoint. To help you with every aspect of your business.

Your authorized Apple reseller would be glad to demonstrate all this and more. To find out the name and location of the one nearest you, just give us a call at 800-538-9696, extension 205.

And discover the kind of power it takes to preserve the environment. The kind of power no other personal computer can offer you. The power to be your best.\*



**For more information, visit us in booth 223 in Houston, or circle 27 on the reader inquiry card**

\*\*With optional third party video card. Also exterior house image and interior house image designed by Douglas Atwood and rendered by View by View. House in field image created by ArchiCAD by Michael Bird, SA, Almondack Estate, Saratoga, NY. Mention of third party products is for informational purposes only and constitutes neither an endorsement nor a recommendation. Macintosh Quadra is a trademark of Apple Computer, Inc. ArchiCAD is a registered trademark of Graphisoft. ArchiTron is a trademark of Comshare, Inc. AutoCAD is a registered trademark of Autodesk, Inc. Clara CAD is a registered trademark of Clara Corp. Genesis CAD is a trademark of Genesis Software, Inc. Lotus and 1-2-3 are registered trademarks of Lotus Development Corp. Virtus is a trademark of Blue Research, Inc. PowerPoint is a registered trademark and Windows is a trademark of Microsoft Corp. This ad was created using Macintosh personal computers.

MILLER  
NOW OFFERS  
TWICE THE

# SERVICE SERVICE

**DOWNTOWN**  
501 W. 6TH ST.  
AUSTIN, TEXAS  
(512) 478-8793

**NORTHSIDE**  
10713 METRIC BLVD.  
AUSTIN, TEXAS  
(512) 837-8888

SINCE 1920, COMPLETE  
SERVICE TO ENGINEERING,  
ARCHITECTURAL, AND  
ASSOCIATED PROFESSIONS

**MILLER  
BLUEPRINT CO.**

Circle 13 on the reader inquiry card

## Letters

I HAVE JUST RECEIVED my first issue of *Texas Architect* (May/June, 1992: "Renewing Eclecticism") and am very pleased. The new format is exciting and well done. It is a great information source and will be a wonderful addition to my library.

*John L. Robertson III*  
Dallas

YOUR SEPTEMBER 1992 issue, with the features on the Hispanic tradition and contemporary Mexican architecture, is a smash!

*Robert Jackson,*  
*Robert Jackson Architects, AIA*  
Austin

JUST AS we would be concerned over the destruction of a historic architectural treasure, let us be concerned and preserve the historical heritage that is ours and always will be the Texas Society of Architects.

Let us not be illogically forced into oblivion as just another component of the AIA.

*Theodore S. Maffitt, Jr., FALA*  
Palestine

### Editor's note:

SAE/Spaw Glass of Houston should have been credited as general contractor for the Austin Convention Center (see *TA* Sep/Oct 1992, pp. 8-9). Please see the story on the project on pp. 46-47 in this issue for a complete list of credits.

### Editor's note:

The Staubach Company of Dallas should have been included in the credits for the Ericsson Radio Systems, Inc., Corporate Headquarters in Richardson, by Pierce Goodwin Alexander & Linville, Inc., of Dallas (see *TA* Sep/Oct 1992, pp. 52-53). The Staubach Company acted as Real Estate Consultants and Construction Consultants for the project.

### Editor's note:

In the May/June 1992 issue, the photographs of the Mediterranean House in Dallas by Frank Welch & Associates on page 48 were incorrectly credited. The top left and bottom right and left photographs were by Robert Reck of Dallas.

When you need help or have a question on a stone project, do you really want to call someone in another hemisphere who may or may not speak your language?

With Cold Spring Granite, you'll find knowledgeable -- and local -- field sales representatives ready to answer questions and offer unmatched service.

#### COLD SPRING GRANITE OFFERS:

- Over 90 years of industry leadership
- 28 distinct colors in a variety of finishes
- Over 30 company-owned quarries ensuring stone consistency and timely delivery
- Reliable service and technical support

From dramatic skyscrapers to impressive landscaping and paving detail, Cold Spring has the expertise, the products and the local service to let you rest easy. And that's the truth. In plain English.

**OUR FRIENDSHIPS ARE  
MADE IN STONE.**

## WHEN IT COMES TO YOUR PEACE OF MIND, COLD SPRING AND THE COMPETITION ARE OCEANS APART.

YOUR LOCAL REPRESENTATIVE IS:

**DALE KLINGSPORN**

PHONE 512-598-6570

FAX 512-598-1716

800-551-7502



COLD SPRING

COLD SPRING GRANITE COMPANY 202 SOUTH THIRD AVENUE COLD SPRING, MINNESOTA 56320 1-800-551-7502 FAX 612-259-3452



# Fuel for thought.

*"Natural gas lets me plan for lower operating costs."*

Choosing natural gas is a sharp idea if you're looking to cut your maintenance expenses.

Today's gas appliances and furnaces are not only less expensive to operate than those powered by electricity, they're also more reliable and virtually maintenance free.

As for comfort, natural gas heating is something everybody can appreciate. It provides warmth for the tenants and still keeps operating costs at a comfortable level.



*"I just want to design as efficiently as possible."*

While most construction costs are rising, natural gas installation cost is falling.

With new flexible piping made of corrugated stainless steel, installation costs can drop by up to 50% or more.

And advanced technology hydro-heating systems now offer both reliable, low-cost heating *and* water heating.

Moreover, you can preserve the integrity of the design with an adaptable natural gas system, a comforting thought.



**Texas Gas Utilities**

Arkla Energas Entex

Lone Star Gas Southern Union Gas

For more information, visit us in booth 406 in Houston, or circle 55 on the reader inquiry card

**499 Main Street  
has elevators  
modernized by Schindler.  
500 Main Street doesn't.**

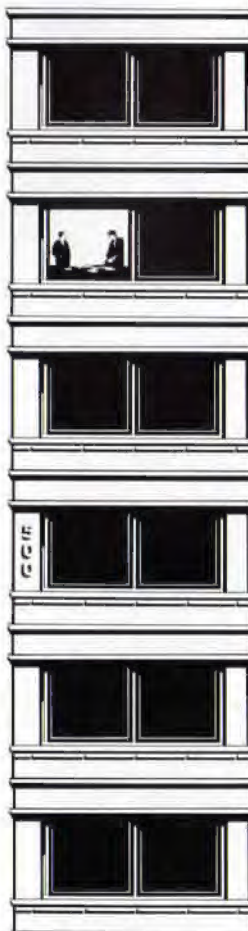


*If you don't keep tenants happy, you won't keep tenants. Schindler elevator modernization programs can help you do both.*

We can help you decide what you need – and what you don't – by working with you to evaluate traffic patterns, code requirements, budgets and timing. Then, together, we can set up a plan that will accomplish your goals with as little disruption as possible.

*Let Schindler help you keep tenants – with elevator systems that can keep them happy.*

**Schindler Elevator Corp.**  
Dallas (214) 819-2200  
Houston (713) 692-7165  
Texas (800) 759-2003



**Schindler**

For more information, visit us in booth 514 in Houston, or circle 51 on the reader inquiry card

**Support the Companies  
that Support TSA**

Surveys show that TSA members believe the TSA Annual Meeting and TEXAS ARCHITECT magazine are two of the biggest reasons for joining the Texas Society of Architects. And a big part of members' dues go to support these quality benefits, but most of the costs are actually paid by exhibitors and advertisers. They participate because they value Texas architects and the business they bring. Respond to these companies' support. Send in your reader inquiry cards. Visit their booths at the exhibit hall this November in Houston. Make sure your exhibitors and advertisers know you appreciate their support.



**Texas Window Centers**

- Abilene Glass & Mirror**  
4241 Sayles Blvd., Abilene, Texas
- Big Tin Barn**  
18602 Katy Freeway, Katy, Texas
- Bricks International**  
1419 E. San Pedro, Laredo, Texas
- Cassity Jones**  
East 621 S.E. Loop 323, Tyler, Texas
- Chickasaw Lumber Company**  
2705 West Vickery, Fort Worth, Texas
- The Chism Co.**  
8310 Broadway, San Antonio, Texas
- Classic Openings**  
3500 Kim Drive, Irving, Texas
- Classics Furniture Gallery**  
225 Winchester, Tyler, Texas
- W.E. Darden**  
200 Otis, Waco, Texas
- Energy Bank**  
9621 Hillcroft, Houston, Texas
- The Energy Shop**  
11401 Plano Road, Dallas, Texas
- Gloor Lumber**  
1600 Alton Gloor Blvd., Brownsville, Tx.
- Howtex, Inc.**  
1-35 West & Nash Exit, Texarkana, Texas
- Ideal Lumber**  
6520 Stewart Road, Galveston, Texas
- Leslo Distributor**  
2301 E. Denman Avenue, Lufkin, Texas
- Longview Servistar**  
1100 West Loop 281, Longview, Texas
- Mid-West Door & Window**  
2400 West Front, Midland, Texas
- Northside Building Materials**  
3400 Fredericksburg Rd., San Antonio
- O'Brien Door Corp.**  
4407 Little Rd., Arlington, Texas
- Pearland Lumber**  
2027 N. Main, Pearland, Texas
- Ray's Glass & Mirror**  
1207 E. Pecan Blvd., McAllen, Texas
- Stripling Blake Lumber**  
5508 Hwy 290 W, Austin, Texas  
3400 Steck Avenue, Austin, Texas  
3620 Hwy W. 31, New Braunfels, Texas
- Window Visions**  
4414 82nd St., Ste. #202, Lubbock, Texas

AT THE RISK OF SOUNDING PRETENTIOUS,  
WE MAY TOTALLY ALTER YOUR OUTLOOK ON LIFE.



With an Andersen® skylight or roof window overhead, you're assured of more than a new angle on the sun and a bath, dining or family room bathed in light. That's because we've created a skylight and roof window thoughtfully designed and carefully built to Andersen standards of lasting beauty, trouble-free performance, weathertightness and energy efficiency. It also offers you another standard Andersen feature, choice. Select our skylight or stationary roof window. Or our fully functional venting or our vent/tilt window that opens up to multiple breeze-catching venting positions as well as one for easy cleaning. Whatever way, you not only enjoy a brighter outlook but you know you can count on it to last.

*Black*  
**MILLWORK CO., INC.**



**Andersen**

For more information, visit us in booth 136 in Houston, or circle 20 on the reader inquiry card

Cover Yourself...



**BOWMAN**  
TILE SUPPLY, INC.  
HOUSTON, TEXAS

Since 1949

Serving the Southeast Texas Area

Cover Your #1 Projects with

*Named #1 Distributor for 1991 by the Ceramic Tile Distributors Association*

**BOWMAN TILE** 713/462-1390  
1-800-392-9801

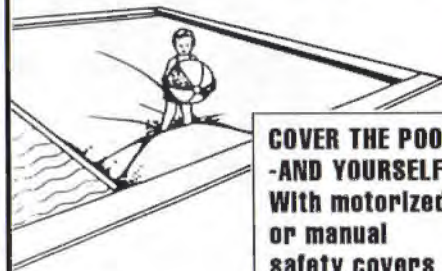
IMPORTER AND DISTRIBUTOR REPRESENTING:  
Buchtal Architectural Ceramics  
Fiandre Ceramic Granite  
United States Ceramic Tile Co.  
IAC/Laufen  
Interceramics  
Lateo  
C-Cure Grouts and Mortars  
Laticrete Products  
Pee Dee Brick Pavers

**BOWMAN SUPPLY** 713/939-8300

WHOLESALE DISTRIBUTOR OF:  
Tarkett V.C.T. Tiles  
Tarkett Sheet Vinyl Products  
Johnsonite Rubber Tiles, Vinyl and Rubber  
Base and Accessories

For more information, visit us in booth 207 in Houston, or circle 39 on the reader inquiry card

**PROTECT**  
YOUR CLIENT'S  
MOST VALUABLE ASSET



**COVER THE POOL -AND YOURSELF- With motorized or manual safety covers**

**SAVES**

- Lives
- Maintenance
- Chemicals
- Energy
- Money

Distributor for  
**SAVE-T COVER II\***  
manufactured by  
Cover-pools, Inc.



**(713) 666-4242**

6750 West Loop South #440  
Bellaire, Texas 77401

It is intended that persons would walk on the pool cover only in an emergency.

Circle 62 on the reader inquiry card

## Introducing the new **TEXTRA** Pattern.



*Everyone sees it differently.*

The textured look of Pittsburgh Corning's new **TEXTRA™** pattern elicits many impressions: Grid . . . checkerboard . . . even lattice. It's alive and dynamic, changing with vantage point, light source, and movement! The **TEXTRA™** pattern combines the sparkle and light refraction of repeating, multi-ribbed squares with the openness of interspersed transparency. Installed with the **KWIK'N EZ™** Silicone System (left), it's an all-glass look. Use **VeriTru™** Spacers and mortar (right) for a traditional grid look.



Master Distributor  
of American-Made

**PCGLASSBLOCK®**

**MASONRY & GLASS**  
**SYSTEMS INC.**  
9189-F Winkler, Houston, Texas 77017  
P.O. Box 87097, Houston, Texas 77287-7097  
Phone: 713/944-9716 Fax: 713/944-1723

Circle 10 on the reader inquiry card

# SieMatic®

**We wrote the book on kitchen interior design...**

This comprehensive, 182-page book featuring the finest in European Kitchen Design is sure to be a valuable guide



for your own kitchen project.

SieMatic Kitchen Interior Design is available through your architect or interior designer.

**YES**, send me

the SieMatic Kitchen Book. I have enclosed a check or money order for **\$16.00**.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_

**WAGNER & COMPANY**  
architectural products

(210) 341-3396  
203 W. Rhapsody  
San Antonio, Texas 78216

**It takes all of us working together to make public education effective.**

**Education is everybody's business.**

## BERRIDGE... THE WIDEST SOURCE OF ARCHITECTURAL METAL PANELS AND SHINGLES TO FIT ANY APPLICATION!



Photograph by BlackmanWhite

UNIQUE "CARIBBEAN FASCIA PANELS" BY BERRIDGE BLEND TASTEFULLY WITH SMOOTH-CUT LIMESTONE PANELS ON THE EASTERN FACADE OF AUSTIN'S NEW CONVENTION CENTER

**Project:** AUSTIN CONVENTION CENTER

**Architect:** PAGE SOUTHERLAND PAGE, AUSTIN

**General Contractor:** SAE/SPAW GLASS, SAN ANTONIO

**Metal Siding Contractor:** PORT ENTERPRISES, AUSTIN

**Berridge Representative:** CONNER & KOVACS, SAN ANTONIO

**Berridge Product:** CARIBBEAN FASCIA PANEL

**Finish:** KYNAR 500® "CHAMPAGNE"

Circle 102 on the reader inquiry card



**Berridge  
Manufacturing Co.**  
1720 MAURY ST.  
HOUSTON, TX 77026  
1-800-231-8127

### REROOF FOR THE LAST TIME! With an Aluminum Cedar Shake Roof By



**ALCOA**

- Non-Prorated Roof
- Wind Resistant
- Hall Resistant
- Lifetime Warranty on Materials & Labor
- The Last Roof You Will Ever Purchase



ALCOA Country Cedar Shakes Protect and Insulate

LIFETIME  
WARRANTY

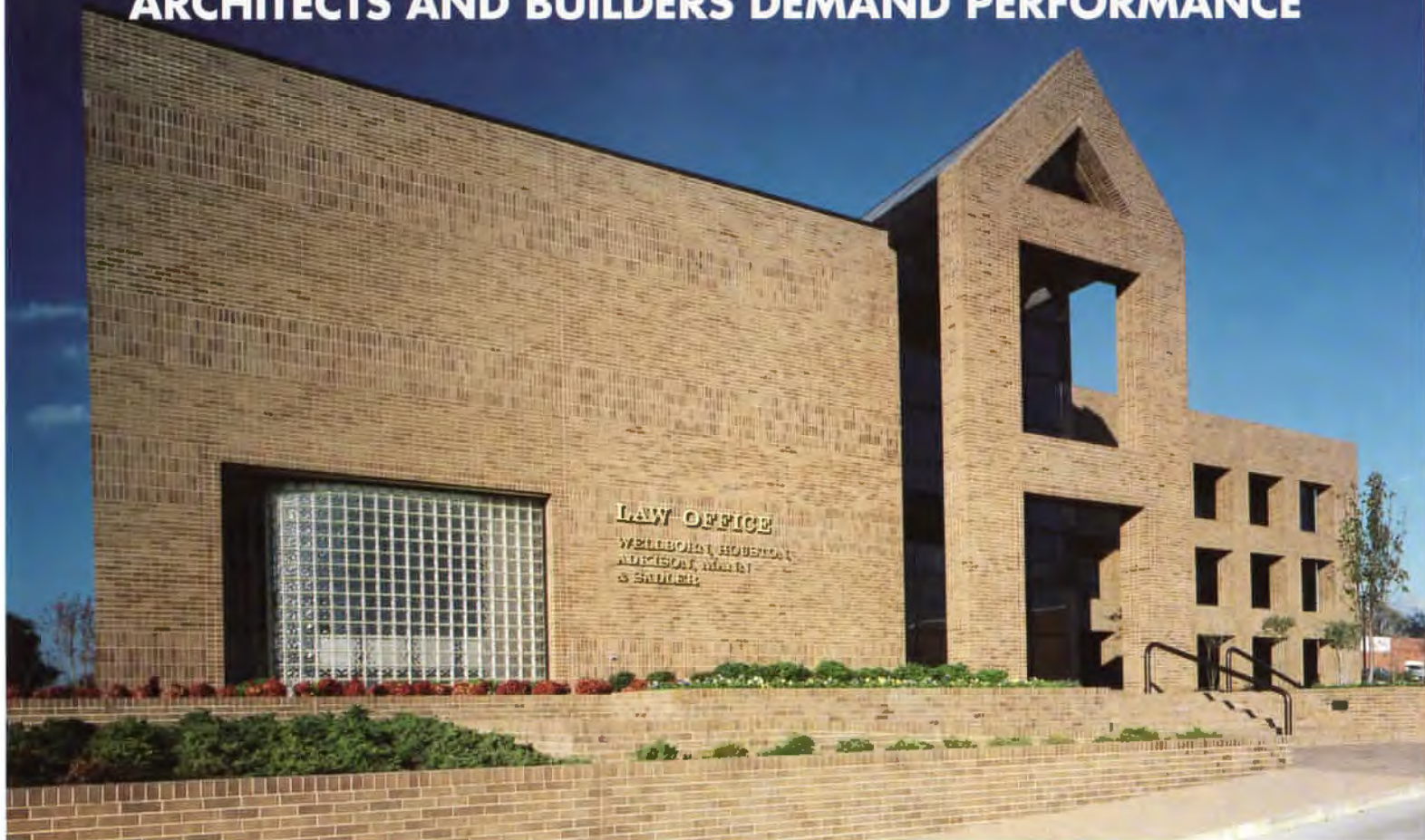
**680-8094 1-800-392-4661**

• 100% FINANCING • FREE ESTIMATE

**ALCO ALUMINUM METAL ROOFING SYSTEMS**

Circle 121 on the reader inquiry card

# ARCHITECTS AND BUILDERS DEMAND PERFORMANCE



## THE DESIGN PROFESSIONAL'S CHOICE

Boral's Henderson Division products are designed and manufactured to meet or exceed industry standards for both exterior and interior applications. Where tight dimensional tolerances and aesthetic versatility are demanded, our products meet the need.

Our goal is to produce brick which achieve maximum strength and durability, while supplying the designer a wide array of permanent color. Using the finest clay and shale materials, Boral bricks are manufactured through advanced techniques, yielding high quality products compatible with any architectural style and environment.

For over 45 years, architects have relied on Henderson's quality products and excellent sales support through our experienced sales force and extensive distributor network.

Whether structural or veneer, laid in place or panelized, may we suggest consideration of Boral Brick products on your next project.



## BORAL BRICK BENEFITS

- Extensive Sales and Support Network
- Quality Raw Materials
- Diverse Manufacturing Capabilities
- Broad Range of Colors
- 45 Years of Experience

## BORAL BRICKS

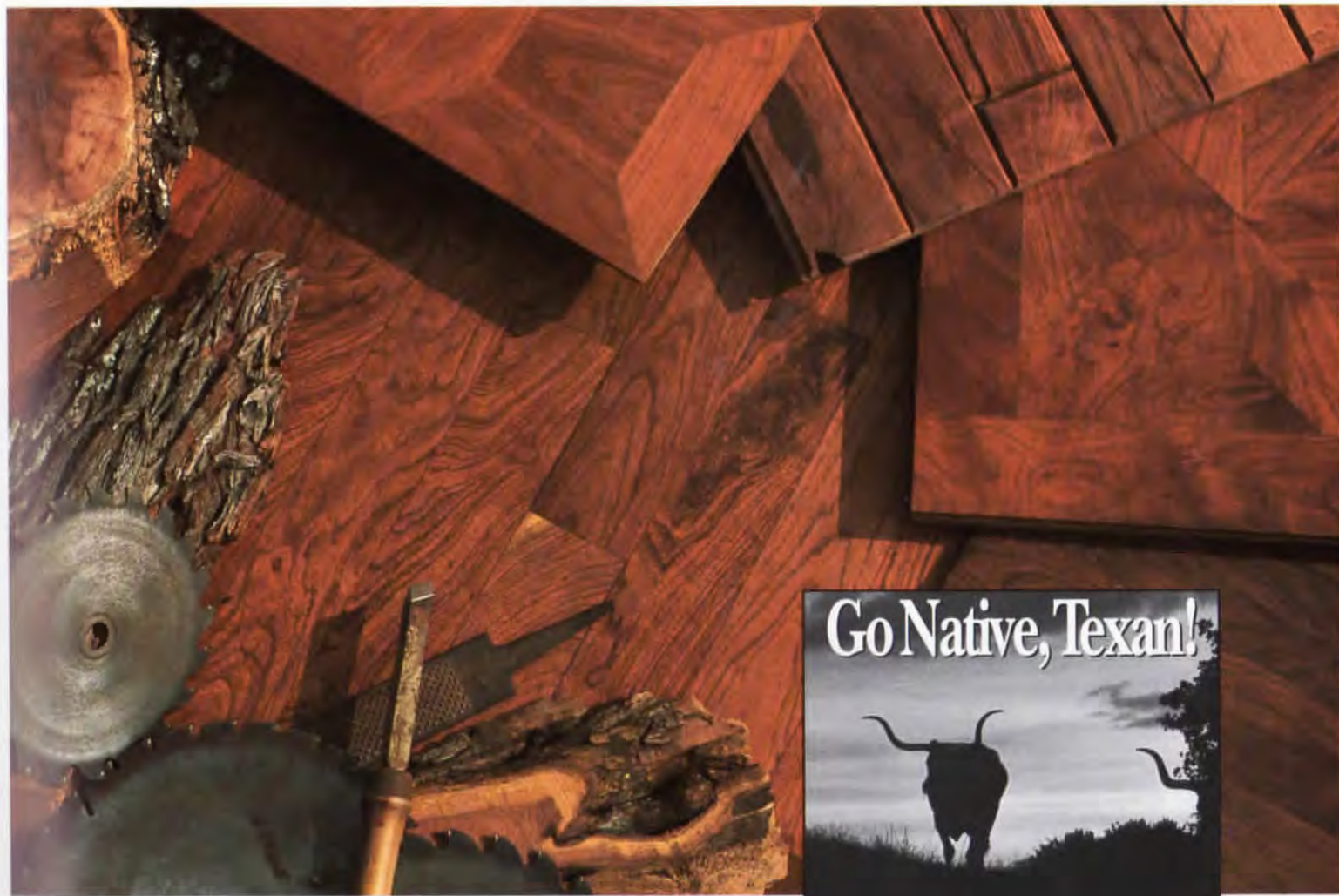


### Henderson Division

Post Office Box 2110  
Henderson, Texas 75653-2110  
903/657-3505  
FAX 903/657-1195  
1-800-443-8507

For more information, visit us in booth 528 in Houston, or circle 46 on the reader inquiry card

# Your Clients will Thank You for including **NATIVE TEXAS WOODS**



Has your client ever asked you to use a material or product they like, even if it costs more than the ordinary or standard option? Not every premium is worth the price, but when it comes to **Native Texas Woods**, the beauty and character are well worth it.

Some of the most exciting and beautiful woods found anywhere in the world are right here in Texas. Like **Mesquite**. Long the bane of Texas ranchers and farmers, **Mesquite** is actually an extraordinary wood with character that reflects the land and people of Texas. **Mesquite** is two-and-a-half times as hard as oak. It doesn't splinter or give way under punishing use. **Mesquite** is the perfect choice for flooring, doors, furniture, paneling, cabinetry and much more.

**Texas Kiln Products** creates unique flooring and paneling from **Native Texas Woods** like **Mesquite** at our mill in the Lost Pines near Bastrop State Park. We can show you and your clients how **Native Texas Woods** enhance any building project.

## **Texas Kiln Products**



In the Lost Pines near  
Bastrop State Park

Processors of Austin's  
Historic Treaty Oak

### *"Native Texas Woods"*

*Mesquite, Native Pecan, Tidewater Red Cypress, Bois D'Arc, Live Oak, Mountain Juniper, Aromatic Red Cedar, Dense Loblolly Pine, Quartersawn Oaks, Fiddleback Sycamore, and Texas Walnut.*

Flooring, Lumber, Molding, Custom Sawing and Milling, Dry Kilns.

Call David Miller today:

**(800) 825-9158**

# News

## Reserved for the Fed 16

**DALLAS** The new Federal Reserve Bank offers an alternative to suburban corporate flight.

## An affordable solution 17

**DALLAS** The winning designs in an affordable-housing competition will be built by Habitat for Humanity.

## Make that seven 17

**PRAIRIE VIEW** The architecture school at Prairie View A&M now offers the seventh accredited architecture program in the state.

## Of Note 17

## Calendar 26

## Eight winners named 32

**AUSTIN** Winners in the 1992 Austin Chapter/AIA design awards competition ranged from the city's new convention center to a cottage in Canada.

## A Federal Example

**DALLAS** The Federal Reserve Bank of Dallas recently vacated its downtown home of 71 years to occupy a gleaming new headquarters building on the northern bank of Woodall Rogers Freeway, opposite I.M. Pei's Meyerson Symphony Center. The Fed's decision to remain near the central core was primarily based on a need for proximity to its big banking customers. And, while the new facility is technically not located within the CBD, both site and building offer an enlightened alternative to the phenomenon of suburban corporate flight.

The architects—Sikes, Jennings, Kelly & Brewer of Houston, Kohn Pederson Fox Associates of New York, and John S. Chase, FAIA, of Dallas and Houston—have

areas with sweeping views of the downtown skyline, and a five-story, robotics-controlled vault of epic dimensions. Two roof gardens designed by the SWA Group are equally remarkable.

The bank occupies a bold site on the northern edge of downtown, where Pearl Street crosses over Woodall Rogers Freeway. The office tower marks this corner and becomes the signature element of the design. It is an impor-



photographs this page by BlackmonMiners



designed a highly picturesque limestone and glass fortress, responding to both programmatic eccentricities and larger issues of urban context. The building contains 764,000 square feet of space, including a highly secure six-acre ground floor, which is gradually transformed into a 14-story office tower. Memorable interior spaces include a finely detailed grand public lobby and banking hall, employee dining

tant landmark, not only for motorists speeding through the Woodall Rogers trench, but also in defining the middle ground of the Pearl Street axis, with Johnson-Burgee's Crescent complex at one end and the Meyerson and Texas Commerce Bank Tower at the other. A new ceremonial thoroughfare for Dallas has suddenly emerged, calling for a thoughtful design re-

*"Federal Reserve," continued on page 24*



## Design and build

**DALLAS** The need for affordable housing, a problem that grew more acute during the last decade, has often been ignored by architects. The Associates Forum, a commission within the Dallas Chapter/AIA composed primarily of intern architects and younger architects, took a step last summer to remedy that situation. The Forum sponsored an affordable housing design competition in conjunction with Habitat for

Humanity, the nationwide housing activist group known for its work in financing and building houses for the homeless.

The competition, open to all architects and intern architects in the Dallas chapter, asked for affordable designs that could accommodate Habitat building requirements: a 1,200-square-foot house that could be rearranged to fit on various traditional city lot types and still offer the possibility of multiple and diverse facades.

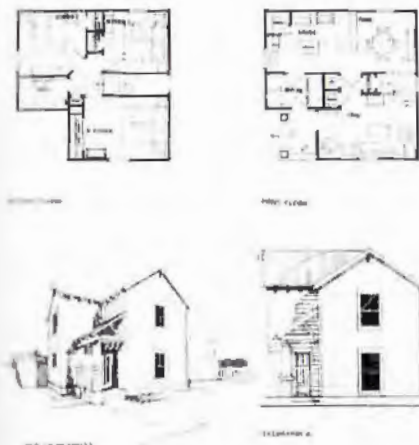
More than 30 proposals were submitted for consideration by jurors Regina Nobles, regional Habitat for Humanities development director, and George Gintole, professor of architecture at the University of Texas at Arlington.

First place went to Bryan Moore of DBA Architects for a two-story design that featured a carefully organized plan that condensed various housing functions. Second place went to Paige Close of JH&P Architects for a restatement of the traditional bungalow house type. The third place winner was Jacqueline Doane of RTKL Associates, Inc., whose design was also rooted in traditional house forms, including a wrap-around porch. Other winners were Jerry Lowrey and Scott Stone of Stone-Lowrey Architects and Harry Mark of RTKL Associates, Inc.

Habitat for Humanity volunteers will build the top three designs within the next few months. The remaining two designs will also be built if a sponsor can be found.

*Nestor Infanzón*

*Architect Nestor Infanzón is a TA contributing editor.*



**Above: Bryan Moore's design in the Dallas Chapter/AIA's affordable**

**housing design contest will be built by Habitat for Humanity.**

**Facing page: The Federal Reserve Bank building from the north (top);**

**and as seen from across Woodall Rogers Freeway (bottom)**

## Now there are seven

**PRAIRIE VIEW** The architecture program at Prairie View A&M University in July received its accreditation from the National Architectural Accrediting Board (NAAB), making it the seventh accredited architecture program in the state.

The Prairie View program, which last year had an enrollment of about 140 undergraduates, has offered a Bachelor of Architecture degree since 1972. Past graduates were eligible for architectural registration in Texas because the Texas Board of Architectural Examiners, the state's regulatory body, allowed experience to be substituted for an accredited degree; in other states, however, only graduates of an accredited program can be registered. Prairie View's accreditation means that future graduates will be

eligible for registration in all 50 states.

The Department of Architecture applied for accreditation in the fall of 1991, according to Simon Wiltz, interim associate dean and architecture department head. A NAAB team visited the school and, based on its findings, the accreditation was approved, making Prairie View the first historically black university west of the Mississippi to offer an accredited architecture degree and only the seventh historically black university in the country to offer such a degree.

Although Prairie View currently offers only the Bachelor of Architecture, Wiltz says a related four-year degree, such as a Bachelor of Science in urban planning or construction sciences, will be developed. The long-term plan, he adds, is to develop a Master of Architecture program.

*Susan Williamson*

## OF NOTE

### Capitol architect departs

**Allen McCree, FAIA, left his post as architect of the State Capitol effective Sept. 15, according to State Preservation Board Executive Director Dealey Herndon. McCree's four-year contract had expired, Herndon said. McCree, who had served as Capitol architect since 1987, directed planning for the \$180 million restoration and expansion of the Capitol. Last year, management responsibility for the project was transferred to Herndon. "Allen did a wonderful job in developing a master plan for the Capitol project and in overseeing the design process," Herndon said.**

### In other Capitol news

**A \$57 million contract for interior renovation of the State Capitol was awarded in late July to SAE/Spaw Glass. Work began immediately and is expected to be completed by December 1994, according to State Preservation Board Executive Director Dealey Herndon. Exterior renovation work and the underground extension north of the Capitol should be completed by the time the Legislature convenes in January, she said. The first state workers moved into the partially completed underground extension in late September.**

### A Fair deal for DART?

**In August, voters in Dallas rejected a proposal to renovate Fair Park with funds from a half-cent sales tax increase. The tax increase, which would have expired after one year, would have paid for \$60 million in renovation of the landmark park. Only days after the election, several Dallas-area state legislators said they would introduce legislation in January to reduce Dallas Area Rapid Transit's (DART) funding; the funds could be used instead for Fair Park renovation, they suggested. DART supporters claimed the legislators' intent was more to weaken the already beleaguered transit agency than to provide for Fair Park's future.**



*Who is*

*The Designer's Choice  
in Architectural  
Concrete Masonry ?*



*Trenwyth!*

TRENWYTH INDUSTRIES, INC.

**FEATHERLITE**

*... a Justin  
Company*

Featherlite Building  
Products Corp.  
Marketing Dept.  
P.O. Box 1029  
Austin, TX 78767  
512/472-2424

**TRENWYTH**

HEADQUARTERS:  
One Connelly Road, P.O. Box 438  
Emigsville, PA 17318  
(800) 233-1924 FAX (717) 764-6774  
(717) 767-6868

For more information, visit us in booths 542 and 544 in Houston, or circle 6 on the reader inquiry card

Call today for design, technical, or specialized information.

# Build Your Collection

Complete and return the adjacent postage-paid subscription card to receive every issue—all six regular issues, plus a bonus seventh issue, if you prepay. And save at least 13% off the cover price!

## SUBSCRIPTION ACTION CARD *Save by Subscribing to TA!*

Start my savings with the next issue of TEXAS ARCHITECT! Please enter my subscription for the terms I've marked below:

- One year, six issues, \$21 13% off the cover  
 Two years, twelve issues, \$38 21% off the cover  
 Student rate, one-year, \$15 30% off the cover

- Payment enclosed. One free issue on a one-year subscription, 7 in all; or TWO free issues on a two-year subscription, 14 in all.  
 Bill me.

Name

Title/Position

Firm/School

Type of Firm

Mail Address

City/State/Zip

Billing Address (if different from above)

Primary business/industry (check only one):

- Architecture or A/E firm  
 Engineering firm  
 Architectural design (not headed by reg. architect)  
 Interior design  
 Landscape architecture  
 Contractor or builder  
 Government  
 Commercial/Industrial/Institutional  
 College personnel or library  
 Architecture student  
 Public library, professional club, society, or trade association  
 Supplier of building or interior furnishing products  
 Other allied to the field  
 Please specify:

If you are a registered architect, in which state(s) are you registered?

This card expires January 31, 1993. TEXAS ARCHITECT November/ December 1992 Issue

## To Receive Free Product Information

Take advantage of additional information available about products and services advertised in this issue of TEXAS ARCHITECT. Simply fill out the information requested on the adjacent Reader Inquiry Service Card, detach it, and drop it in the mail, postage-paid. We will forward your requests to our advertisers immediately.

## FREE PRODUCT INFORMATION *Reader Inquiry Service*

Please send free information about the products and services circled below:

Name

Firm/Company

Address

City/State/Zip

Position

Telephone

Please check the appropriate boxes below:

- Job Function:  Intern Architect  
 Owner/Principal  Designer  
 Manager/Dept. Head  Interior Designer  
 Staff Architect  Engineer  
 Project Manager  Client

Do you write or approve product specifications?  
 Yes  No

- Type of Business:  
 Architectural or A/E Firm  
 Consulting Engineering  
 Contractor or Builder  
 Commercial, Industrial, or Institutional  
 Government Agency  
 Interior Design

Information Needed for:  
 Current Project  New Building  
 Future Project  Remodeling

- Type of Contact Requested:  
 Have your representative call me.  
 Send more detailed technical information.  
 Send samples or demonstration package.

Please circle your reader inquiry number(s):

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195

I would also like to subscribe to TEXAS ARCHITECT. Please bill me.

Card expires Jan. 31, 1993. Nov/Dec 1992 Issue

## To Receive Free Product Information

Take advantage of additional information available about products and services advertised in this issue of TEXAS ARCHITECT. Simply fill out the information requested on the adjacent Reader Inquiry Service Card, detach it, and drop it in the mail, postage-paid. We will forward your requests to our advertisers immediately.

## FREE PRODUCT INFORMATION *Reader Inquiry Service*

Please send free information about the products and services circled below:

Name

Firm/Company

Address

City/State/Zip

Position

Telephone

Please check the appropriate boxes below:

- Job Function:  Intern Architect  
 Owner/Principal  Designer  
 Manager/Dept. Head  Interior Designer  
 Staff Architect  Engineer  
 Project Manager  Client

Do you write or approve product specifications?  
 Yes  No

- Type of Business:  
 Architectural or A/E Firm  
 Consulting Engineering  
 Contractor or Builder  
 Commercial, Industrial, or Institutional  
 Government Agency  
 Interior Design

Information Needed for:  
 Current Project  New Building  
 Future Project  Remodeling

- Type of Contact Requested:  
 Have your representative call me.  
 Send more detailed technical information.  
 Send samples or demonstration package.

Please circle your reader inquiry number(s):

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100	101	102	103	104	105
106	107	108	109	110	111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130	131	132	133	134	135
136	137	138	139	140	141	142	143	144	145	146	147	148	149	150
151	152	153	154	155	156	157	158	159	160	161	162	163	164	165
166	167	168	169	170	171	172	173	174	175	176	177	178	179	180
181	182	183	184	185	186	187	188	189	190	191	192	193	194	195

I would also like to subscribe to TEXAS ARCHITECT. Please bill me.

Card expires Jan. 31, 1993. Nov/Dec 1992 Issue

A subscription to TEXAS ARCHITECT brings you up to date and enriches your career with each new issue.

When you take advantage of our free product information service, you can build and update your reference files quickly and easily.

Send in your cards today.

TEXAS ARCHITECT



**BUSINESS REPLY MAIL**

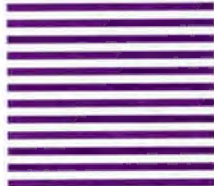
FIRST-CLASS MAIL PERMIT NO. 3149 AUSTIN, TEXAS

POSTAGE WILL BE PAID BY ADDRESSEE

# TEXASARCHITECT

114 W 7TH ST, STE 1400  
AUSTIN, TX 78701-9833

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



**BUSINESS REPLY MAIL**

FIRST-CLASS MAIL PERMIT NO. 3149 AUSTIN, TEXAS

POSTAGE WILL BE PAID BY ADDRESSEE

# TEXASARCHITECT

114 W 7TH ST, STE 1400  
AUSTIN, TX 78701-9833

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



**BUSINESS REPLY MAIL**

FIRST-CLASS MAIL PERMIT NO. 3149 AUSTIN, TEXAS

POSTAGE WILL BE PAID BY ADDRESSEE

# TEXASARCHITECT

114 W 7TH ST, STE 1400  
AUSTIN, TX 78701-9833

NO POSTAGE  
NECESSARY  
IF MAILED  
IN THE  
UNITED STATES



# Naturally The Best

• MARBLE • SLATE • GRANITE • LIMESTONE



More Than 100 Varieties Of Natural Stone In Stock



TGM ASSOCIATES, INC.

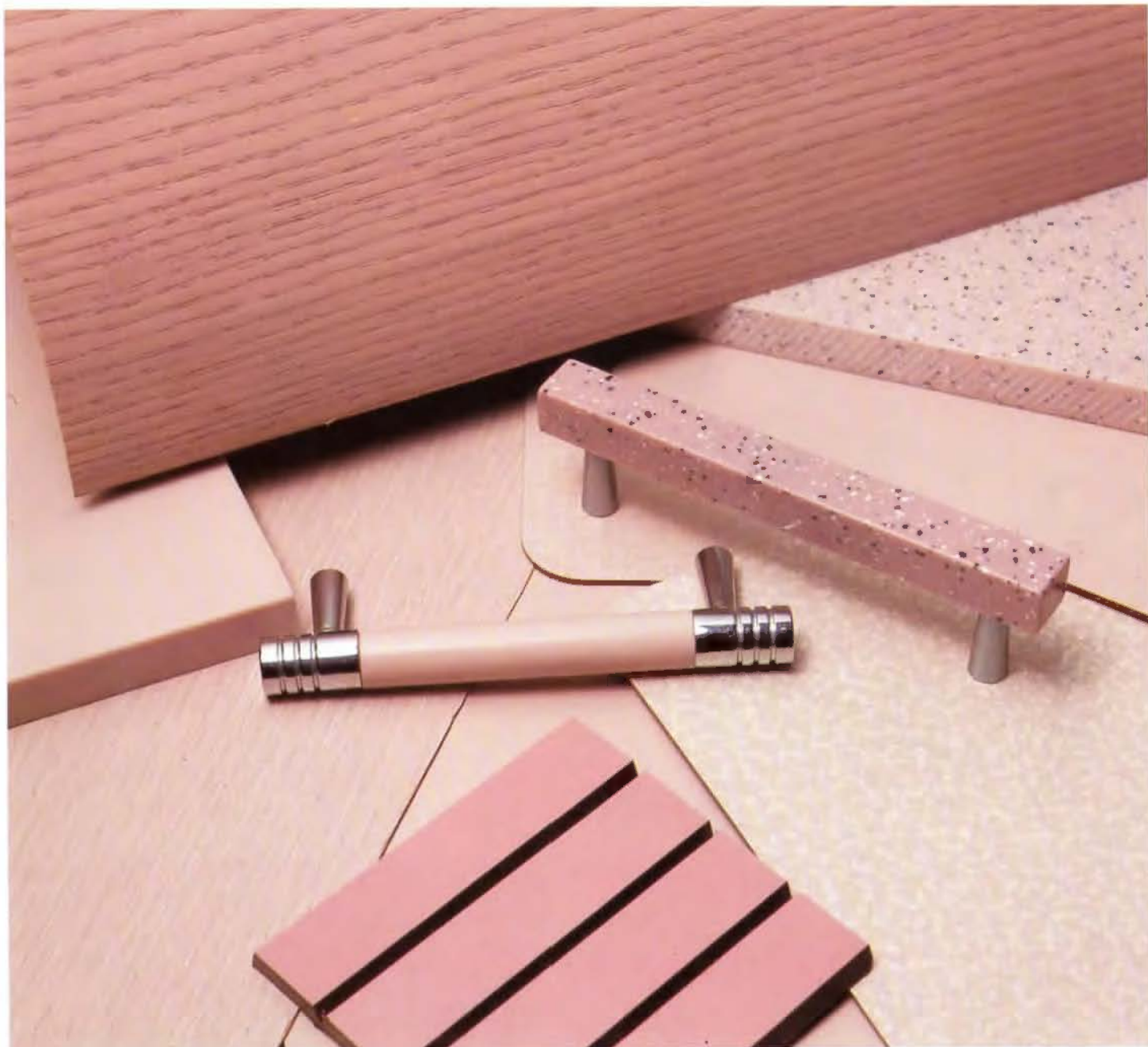
• SHOWROOM • WAREHOUSE • FACTORY

14311 Reeveston Road

Houston, Texas 77039

FAX (713) 590-5352 • TELEPHONE (713) 590-1256

For more information, visit us in booth 534 in Houston, or circle 42 on the reader inquiry card



# Surface Synergy.<sup>SM</sup> Your Key To Coordination

It's here. A complete range of interior finishes, color-coordinated for risk-free success. All supplied with the quality and service you expect from Ralph Wilson Plastics.

Start with an award-winning line of laminates, 234 selections strong, with a choice of 15 texture options and several performance types. Combine them with color-tinted wood veneers, custom-specified bevel edge moldings, and matching

solid surfacing, for a line-up of possibilities never before available.

Surface Synergy. An idea whose time has come, and can work for you today. Call our toll-free Hotline for samples and literature. 1-800-433-3222 or 1-800-792-6000 (in Texas).

**WILSONART**<sup>®</sup>  
BRAND DECORATIVE LAMINATE

For more information, visit us in booth 526 in Houston, or circle 1 on the reader inquiry card

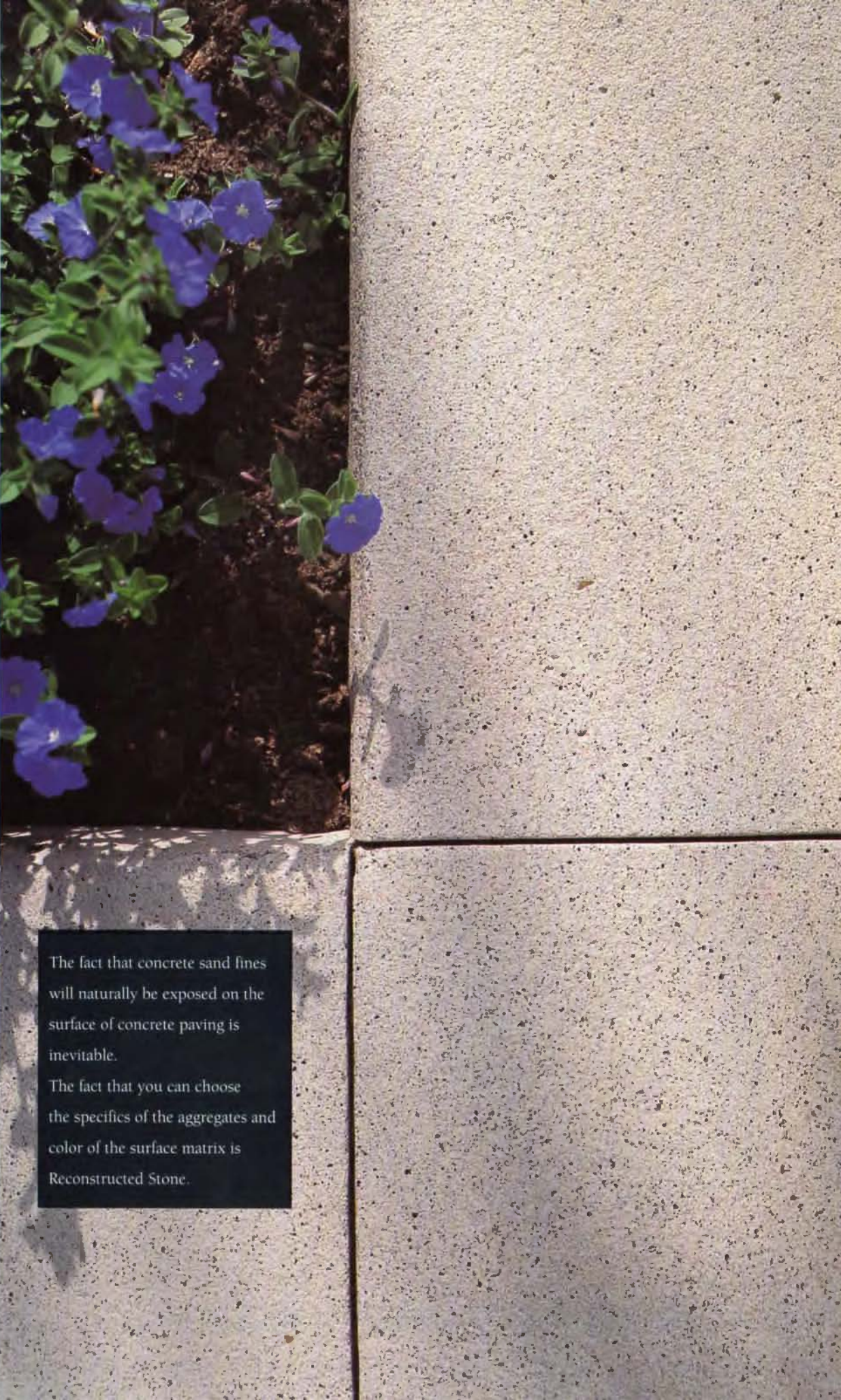
## Architectural concrete paving.

Reconstructed Stone is a blend of fresh portland cement, fade resistant pigments and typically granite or marble sands although we can utilize any sands you wish. It is packaged 60 lbs. per 5 gal. bucket and its application rate is 150 lbs. per 100 square feet. It is applied by the dry-shake method to the surface of fresh concrete and given a hard steel trowel finish. After adequate curing you then sandblast or acid etch the surface to depress the matrix and reveal the aggregates. If you have paid any attention to the surface of concrete flatwork you will have noticed that over time the surface has worn down to reveal the sand fines in the concrete. So instead of settling with a gray matrix and normal concrete sands you can have any color matrix and any single or combination of aggregates you wish. Send us other material such as brick or stone being used and Concreation will make your custom samples of Reconstructed Stone.

### **concreation**

P.O. Box 11248  
Fort Worth, Texas 76110  
1-800-292-2012

Circle 41 on the reader inquiry card



The fact that concrete sand fines will naturally be exposed on the surface of concrete paving is inevitable.

The fact that you can choose the specifics of the aggregates and color of the surface matrix is Reconstructed Stone.

"Federal Reserve," continued from page 16

sponse to address its current pedestrian vagaries. The Fed's location also gives new impetus to proposals for covering Woodall Rogers—as suggested in the Ponte-Travers plan of the early 1980s—to create a solid connection between Dallas's new "uptown" and the Arts District.

Perhaps the most critical issue addressed by the Federal Reserve project is corporate flight to suburbia. With its decision to stay near

downtown, the Fed stands as a shining example for large, single-user corporate entities: Their spatial and quality-of-life requirements can be satisfied, perhaps even exceeded, within the central core.

*Willis Winters*

*Architect Willis Winters is a TA contributing editor.*

*"News," continued on page 26*

## GREAT ROOFS OF THE WORLD



The roof shown above has been simulated to illustrate how Decrabond roofing looks great in any situation.



**DECRA BOND**  
LIGHTWEIGHT ROOFING

Whether you're Down Under (or on top); when building a new home, commercial premises or reroofing, there's just one name to remember for a great roof . . . Decrabond.®

### LIGHT & STRONG

Each Decrabond Roofing Tile provides a strong interlocking structure. Decrabond uses modern technology to combine the beauty and proven weathering qualities of stone with the strength of steel.

### PROVEN PROTECTION

The natural elements haven't got a chance with Decrabond. These tiles give better resistance to wind and seismic forces. Each tile provides a barrier against spreading fire, and they can withstand the world's most extreme weather conditions.

### COLOR & DESIGN

Decrabond Roofing Tiles are available in a wide range of colors which complement both modern and traditional designs.

### For more information contact:

Carter Holt Harvey Roofing USA Inc.  
773 Bradfield  
Houston, Texas 77060  
Telephone (713) 931-4032  
Fax (713) 931-5162



For more information, visit one of the centers listed below, or circle 4 on the reader inquiry card

### AUSTIN

**Marvin Windows Planning Center**  
2120 Denton Drive, Suite 109  
Austin, Texas 78758  
800/333-9203 512/835-9203  
Attn: John Faulkner  
**Bryan/College Station** 800/333-9203  
**Temple/Belton** 800/333-9203

### DALLAS

**Marvin Windows Planning Center**  
2619 Lombardy Lane  
Dallas, Texas 75220  
800/888-3667 214/351-1186  
Attn: David Faulkner  
**Waco** 800/888-3667

### FORT WORTH

**Marvin Windows Planning Center**  
5801 Curzon, Suite 1F  
Fort Worth, Texas 76107  
817/737-8877  
Attn: David Reynolds

### HOUSTON

**Lone Star Plywood and Door Corp.**  
16001 Tomball Parkway  
Houston, Texas 77086  
800/934-3502 713/440-9090  
**Beaumont/Port Arthur** 800/934-3502  
**Bryan/College Station** 800/934-3502

### LONGVIEW

**Marvin Windows Planning Center**  
1707 Loop 281 West  
Longview, Texas 75604  
800/288-3667 214/759-9675  
Attn: Lonnie Robinson  
**Tyler** 800/288-3667

### LUBBOCK

**Frontier Wholesale Co.**  
833 East 40th  
Lubbock, Texas 79404  
800/444-3667 806/744-1404  
Attn: David Thompson

### SAN ANTONIO

**The Fisher Millwork's Home Design Center**  
6450 Camp Bullis Road  
San Antonio, Texas 78257  
512/698-0914 800/669-0914  
Attn: Jan Salinas  
**Corpus Christi, McAllen, Brownsville**  
800/669-0914  
Attn: Harry Armenia  
**Kerrville, Laredo** 800/669-0914  
Attn: Jan Salinas

### TULSA

**Marvin Windows Planning Center**  
5700 E. 61st St., Suite 105  
Tulsa, Oklahoma 74136  
800/283-6352 918/481-6352  
Attn: Tom Braswell

Visit us in booths 323 and 325 in Houston, or circle 35 on the reader inquiry card



# GIVE YOUR WESTERN SWING THAT PERFECT HARMONY



Photograph by BlackmonWinters

If you're looking for something unique in a window, look to Marvin. Because whether it's this TSA Design Award-winning ranch house in Falfurrias, Texas, or your next special project, we offer the broadest, most complete line of windows on the market today.

Marvin manufactures economical standard sizes and custom originals in every style imaginable, including round tops, circles, asymmetrical shapes, and even curved glass. And every window, custom or standard, is made one at a time to your specifications.

With all the design opportunities available—especially adding sidelites, transoms, or custom divided lites—you can design windows and walls that will truly make your projects distinctive.

All this flexibility brings with it the quality you've come to expect from Marvin: the latest energy-efficient glazing options (including Low-E glass with Argon), an optional low-maintenance clad exterior in four different colors, and tight, precise weatherstripping throughout.

All in beautiful, fine-grained Ponderosa pine that's been carefully selected, milled and treated to protect against rot and decay. And all with the fastest delivery in the business.

Swing with Marvin and you'll never be out of step again.

**"Marvin Windows are very cost-effective when it comes to custom sizes. But even better, we have always been pleased with our Marvin representative's response, support, and technical assistance. And no matter how good the price, that's what really counts."**

**— Ted Flato, AIA  
Lake/Flato Architects, San Antonio  
Winner of 1992 TSA Design Award  
for El Tule Ranch House, Falfurrias, Texas**

## MARVIN WINDOWS



For more information, visit us at booths 527, 528, 626, and 628, or circle 4 on the reader inquiry card

## CALENDAR

### "Egypt's Dazzling Sun"

More than 140 works of art created during the reign of Amenhotop III will be on display; the exhibition celebrates the museum's 20th anniversary. Kimbell Art Museum (817/332-8451), THROUGH JAN. 31, 1993

### Rice Design Alliance Gala

Winners of a national design competition for improvements to Houston's Hermann Park will be announced at the fundraising gala. Rice Design Alliance (713/524-6297), Nov. 13

### Affordable housing conference

A two-day regional conference at Texas A&M will feature panel discussions on subjects ranging from employer-assisted housing programs to the role of higher education in housing issues. Texas A&M Center for Housing and Urban Development (800/633-2374), DEC. 9-10

### Shapes in Austin Architecture

This participatory family exhibition focuses on how simple shapes make buildings both beautiful and strong. Austin Children's Museum (512/472-2499), THROUGH JAN. 24, 1993

### Ceramic Tile and Stone Competition

Projects using ceramic tile or stone completed between Nov. 15, 1990 and Nov. 15, 1992 are eligible. Ceramic Tile Distributor's Association (708/655-3270), DEADLINE: DEC. 15

### Innovations in Housing competition

Original plans for single-family homes are eligible. The grand award winner receives \$10,000 and the design is built and featured in BETTER HOMES AND GARDENS. Innovations in Housing (206/565-6600, ext. 172), DEADLINE: JAN. 7, 1993

"News," continued on page 32



Burlington Slate - Light Green Cleft (Dallas, Texas)

## Thorn Tree

Suppliers of Slate  
and  
Other Fine Natural Stones  
for  
Residential and Commercial Use

Wide range of colors available

■  
HOUSTON  
Main Office  
713-686-8463  
Showroom  
713-963-9890

■  
DALLAS  
214-760-0099



THORO  
SYSTEM  
PRODUCTS

## Texas Dealers

### Long Supply Company

P.O. Box 222118  
Dallas, Texas 75222

1527 West Commerce  
Dallas, Texas 75208

(214) 747-4000

### Lynwood Building Materials

1201 West Elsemere  
San Antonio, Texas 78201

(512) 732-9052

Call either of these dealers for more information or to ask questions about Thoro System Products, or for more detailed product literature and assistance, circle 60 on the reader inquiry card.

# TURN ORDINARY WALLS INTO GRANSTONE® WALLS. FROM THORO.



*Nara Shoka College, Nara City, Japan*

©1992 Thoro System Products

Now concrete, masonry, EIFS, and scratch-and-brown walls, either exterior or interior, can have the look of solid granite at a fraction of the cost. It's easy with Thoro's **Granstone® Finish System**. This architectural finish system can be applied quickly to create the appearance of natural stone. It is available in 12 standard colors and allows the ultimate in design flexibility.

Use Granstone to rejuvenate an entire exterior, or just to accent architectural details. A Granstone finish resists mildew, fungus, freeze-thaw cycles, wind-driven rain and airborne pollutants. It is eligible for Thoro's limited material and labor warranty.

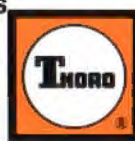
Find out how you can turn ordinary walls into Granstone walls. Call

**Long Supply Company at (214) 747-4000 or**

**Lynwood Building Materials**

**at (512) 732-9052**

**for more information.**



**THORO  
SYSTEM  
PRODUCTS**



A Part of ICI Specialties

*See Us In Sweet's Catalog.*

**For more information, visit us in booth 449 in Houston, or circle 60 on the reader inquiry card**

If life is what you make it, living with  
Corian makes a lot of sense.



If you have clients who long for luxury that lasts, CORIAN was made for their new bath. Defined not only by classic beauty and craftsmanship, but also by contemporary standards of excellence that marble, granite, and other solid surfaces can not live up to. Including a long-life practicality with DuPont's one-of-a-kind, 10-Year Installed Warranty Program that makes your client's decision to invest in CORIAN wiser with each passing year.

CORIAN lets you create seamless vanity tops with color-coordinated sinks, build grout-free shower walls and tub surrounds, and add graceful curves and sweeps to your designs.

For the name and location of your nearest Certified Fabricator or Authorized Dealer, please contact:

### The Conrad Company

15150 Sommermeyer, Suite 100  
Houston, Texas 77041  
(713) 896-0932 (800) 392-5131

2110 Hutton Drive, Suite 108  
Carrollton, Texas 75006  
(214) 620-2822 (800) 442-3391



This brand mark signifies that CORIAN is the original solid surfacing material invented by DuPont, and the only one with 25 years of experience and customer satisfaction in both commercial and residential applications. CORIAN offers the ultimate combination of practicality and luxury for the kitchen and bath.

CORIAN is a registered trademark of the DuPont Company.

# CORIAN®

## Living With The Best™

The vanity, tub surround and rear wall are all in Sierra Dusk. Edge treatments are Glacier White and Sierra Midnight. CORIAN sinks are in Glacier White.

For more information, visit us in booths 401, 500 in Houston, or circle 16 on the reader inquiry card



# Austin Celebrates with Pohl Champagne!



Photograph by BlackmonWinters

## POHL EUROPANEL® CUSTOM-DESIGNED METAL CLADDING

Ironically, the most trouble-free element of constructing the new Austin Convention Center was a unique wall system fabricated 6,000 miles away in Germany. Architects used the sturdy 3-mm champagne anodized aluminum **Pohl Europanel** rainscreen to clad the center's upper levels. Working with Pohl's engineers and their Houston representative **Southern Architectural Systems, Inc. (SASI)**, they created a flat, low-maintenance cladding that took the building's angles, turns, and level changes with precision and long-lasting beauty.

That's because unlike ordinary panel systems, **Pohl Europanel** requires no joint sealant that may streak or caulk that needs to be replaced every decade or so. The system is fully weeped, and

its unique hanging tracks allow individual panels to float freely under thermal load.

**Pohl Europanel** is a totally flexible curtain wall concept utilizing the well-proven Rainscreen Principle. Panels are an overlapping, ventilated, self-draining open-joint system and do not require gaskets, sealants or any other component that might fail over time.

**Pohl Europanel** is custom manufactured and can be radiused and formed to complex shapes.

**Pohl Europanel** is equally suited for use as an external face on advanced new curtain-wall projects or for overcladding of existing buildings. And if needed, Pohl offers full design service.

**Pohl Europanel . . . Bending technology with finesse.**

*"The Pohl Europanel system worked extremely well in building the Austin Convention Center because Pohl and Southern Architectural Systems, Inc., took extraordinary precautions from the very beginning. SASI and two engineers from Germany came to our office to discuss our working drawings and to work out fabrication details before they attempted shop drawings. Thanks to this up-front work, SASI's installation proceeded quickly and error-free.*

*"The Pohl Europanel system itself uses good heavy-gauge aluminum. It's better than other systems because there's no need to replace sealant and because it provides good drainage and ventilation. Overall, though, quality control is Pohl's biggest advantage."*

*— Charles L. Tilley, Project Manager  
Page Southerland Page, part of  
Austin Collaborative Venture*

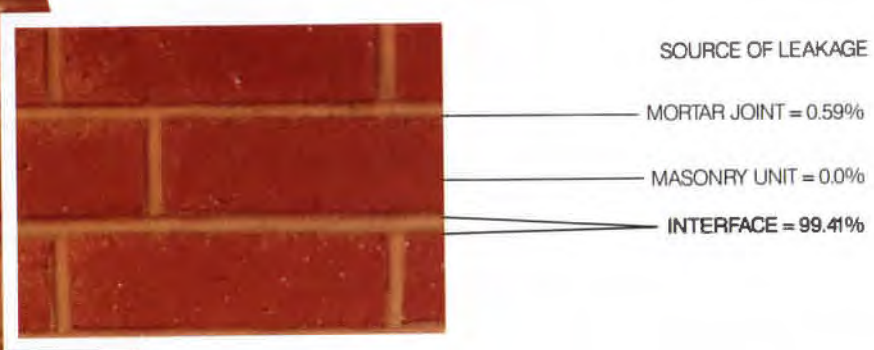
For more information, visit us in booths 337, 339, 436, and 438 in Houston, or circle 64 on the reader inquiry card

**S  
A  
S  
I**  
SOUTHERN  
ARCHITECTURAL  
SYSTEMS INC.

**POHL**  
Bending technology  
with finesse.  
Pohl ... since 1856

# Anatomy of a leaker

Over 99% of all water leakage in masonry walls occurs in microscopic gaps just .0001" thick: At the interface where mortar meets unit, not from the mortar joint itself or the masonry unit. Mortars made with portland cement and Chemstar Type S Lime cure masonry leaks. Portland cement-lime mortar has twice the bond strength of standard masonry cement—and independent tests prove that high bond strength equals low water leakage and a more workable mortar.



## ***CHEMSTAR LIME***

CORPORATE HEADQUARTERS PHOENIX, AZ  
SALES OFFICES: 495 E. RINCON,  
SUITE 202, CORONA, CA 91719  
U.S. AND CANADA Wats  
(800) 523-8977

Circle 5 on the reader inquiry card



## Architects Are No Longer Restricted By Traditional Materials.

Why compromise your design when reinforced composites give you more control and choices. Traditional architectural materials are heavy, costly, and rely on the vanishing skills of wood carvers, stone masons, & metal craftsmen.

Dutch Wickes, architect for the Criswell College Library in Dallas, TX, had this to say after choosing composites over traditional materials:



*FRP dome for the Criswell College Library*

***"What I liked most about using fiber glass reinforced plastic was the versatility that enabled us to basically design any form that we wanted to."***

Darius Toraby, architect for the 250 Mercer Street renovation

project in New York City chose FRP *"because it's maintenance free, can duplicate patterns easily, and is relatively inexpensive."* His composite application was a cornice system



*FRP cornice for the 250 Mercer Street Apartments*

fabricated to look like aged copper, a costly endeavor had metal been used.

FRP is the architects' choice over wood, stone, metal, marble, terra-cotta and reinforced concrete because it is strong, lightweight, maintenance free, and allows for greater design flexibility.

Call one of our Toll Free numbers today and discover Molded Fiber Glass Architectural Products: creative freedom and lasting beauty designed for the life of your building.

**For more information, visit us in booth 139 in Houston, or circle 63 on the reader inquiry card**

**MFG**

**Molded Fiber Glass/Union City**

55 Fourth Avenue, Union City, PA 16438 800-458-0863 (814) 438-3841 FAX 814-438-2284

**Molded Fiber Glass Companies/West**

9400 Holly Road, Adelanto, CA 92301 800-824-3389 (619) 246-4042 FAX 619-246-4045

## Austin: eight winners named

**AUSTIN** Eight winners were named in the 1992 Austin Chapter/AIA design awards competition. Jurors were Donlyn Lyndon, FAIA, of Berkeley, Calif.; Carolyn Peterson, FAIA, of San Antonio; and Lauren Rottet of Los Angeles.

Honor award winners were the David/Peese House in Austin by Paul Lamb, Architect with David Achterberg, and the Austin Convention Center (see pages 46-47) by the Austin Collaborative Venture, which included Page Southerland Page, Lawrence W. Speck, Villalva Cotera Kolar, and Ellerbe Becket Architects.

Citation-of-honor winners were the Kirksey House in Austin by Ann Rivers with Paul Lamb, Architect (see *TA* May/June 1992); Houston Street Redevelopment Project in San Antonio by Lawrence W. Speck, Lake/Flato Architects, and Chumney & Associates; and the Hoffman House in Dallas by Moore/Anderson Architects.

Merit awards went to the gymnasium renovation and fine arts addition at Cambridge Elementary in San Antonio by Pfluger Associates; the Eddleman-McFarland House in Fort Worth by Volz & Associates; and the Canadian Cottage in Muskoka, Ontario by Heather H. McKinney.

*Susan Williamson*

**The Houston Street Project (top left); the David/Peese House (top right);**

**the Kirksey House (center); and the Hoffman House (right)**



*American Standard*

### Houston

Universal Plumbing Supply  
2301 Congress Street  
Houston, Texas 77003  
(713) 225-5198

### Houston

Bellaire Plumbing Supply  
7106 Atwell  
Houston, Texas 77081  
(713) 668-3060

### San Antonio

San Antonio Plumbing  
Distributors, Inc.  
1101 Broadway  
San Antonio, Texas 78215  
(512) 227-4546  
(800) 777-9502

3115 N.W. Loop 410  
San Antonio, Texas 78230  
(512) 341-7141

1422 Bandera Rd.  
San Antonio, Texas 78228  
(512) 436-2988

2203 Danbury  
San Antonio, Texas 78217  
(512) 829-1721

### MIRROLAC-WB™ Interior/Exterior Waterborne High Gloss Enamel

Devoe & Reynolds Co. has introduced MIRROLAC-WB™ Waterborne Acrylic High Gloss Enamel. It combines the high gloss, hardness, adhesion, flow/leveling and durability of alkyd enamels with the VOC compliance, non-yellowing, low odor, gloss/color retention, fast dry, flexibility and water clean-up of latex enamels. It dries hard and develops adhesion fast, enabling doors, windows, cabinets, shelving, equipment or hand rails to be handled quickly. Its gloss level, adhesion and durability are unique for waterborne enamel. MIRROLAC-WB Enamel can be used inside or outside on walls, wood or metal trim, doors, prefinished siding, metal fences, structural steel or storage tanks. For more information contact Devoe & Reynolds Co., 4000 Dupont Circle, Louisville, KY 40207 or call toll free: 1-800-654-2616. In Texas call Jack Stout at (713) 680-3377.



Visit us in booth 205 in Houston, or circle 133 on inquiry card



CERAMIX



- NUMBER ONE
- NÚMERO UNO
- NUMMER EINS
- NUMÉRO UN

CERAMIX—  
The number one single-  
control, ceramic valve faucet  
in the world—in any language!

Circle 8 on the reader inquiry card

*American Standard*

**Elgin-Butler Brick: the material of choice  
for landmark buildings since 1873.**

*"We chose Elgin-Butler's unique glazed brick for a number of reasons, including the human scale offered by the basic brick shape — but the deciding factor was the ability of Elgin-Butler to produce special shapes, especially curved brick and bullnose shapes, to add elegance to the soft curves."*

John Lahey, AIA, Vice President  
Solomon Cordwell Buenz & Associates, Inc.,  
Chicago, Illinois



Oakbrook Center, Special Design Award from  
the Illinois-Indiana Masonry Council.



**ELGIN-BUTLER**

Over a century of family craftsmanship,  
pride and accomplishment.

P. O. Box 1947, Austin, Texas 78767  
512 453-7366

Circle 18 on the reader inquiry card

# 38th Annual TSA Design Awards



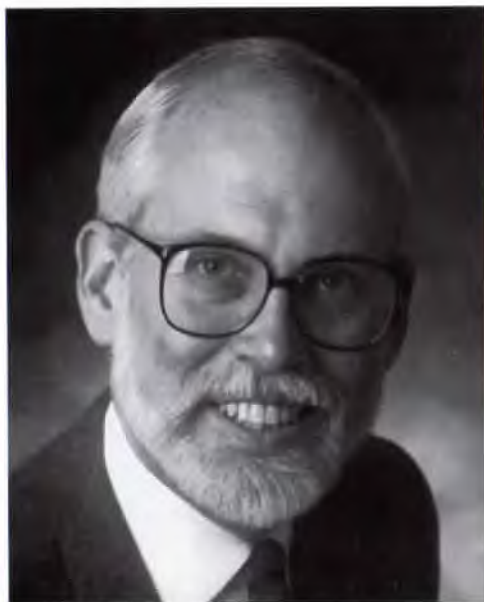
THIS YEAR, the jurors of the TSA Design Awards competition, meeting July 16 and 17 in Austin, chose 14 winners from among 187 entries.

The jurors for the competition were E. Fay Jones, FAIA, of Fayetteville, Ark. (winner of the AIA Gold Medal); Doss Mabe, a partner in the Newport Beach, Calif., office of Zimmer Gunsul Frasca Partnership; and Rob Wellington Quigley of Rob Wellington Quigley, AIA, San Diego, Calif.

Presented on the following pages, the winners include eight projects in General Design, four in Interior Architecture, and two in Restoration/Adaptive Use.

*Joel Warren Barna*

The jurors for the 1992 TSA Design Awards competition were E. Fay Jones, FAIA, of Fay Jones + Maurice Jennings Architects, Fayetteville, Ark. (left); Doss Mabe, a partner in Zimmer Gunsul Frasca Partnership, Newport Beach, Calif. (below); and Rob Wellington Quigley, of Rob Wellington Quigley, AIA, San Diego, Calif. (right)





# A House of Thought

**Texas Stretto House, Dallas**  
**Steven Holl Architects, New York**

THE TSA DESIGN AWARDS JURORS reacted strongly and immediately to the Texas Stretto House by Steven Holl Architects.

The 6,000-square-foot house stands at the back of an acre-and-a-half lot beside a spring-fed creek in North Dallas, on which a previous owner had built four dams, creating a series of pools.

Holl designed four 10-by-45-foot sections constructed of sharply detailed concrete block, echoing the dams, that step down the sloping site from the terrace at the front door to the rear terrace with its "flooded room," the house's metaphorical focus.

Between the masonry divisions float thin, wave-like roofs with walls of hand-sanded aluminum panels and glass. Pipe columns respond to the forces in the roofs, stepping inside and outside wall planes in a seemingly random pattern.

Living spaces are organized around a central circulation path with the sunken, slope-roofed living room, the dining room, and the kitchen to the east, along with a black-painted library; to the west are the garage, closets, art storage, a study with a small bathroom, a utility room, and a pool room.

Narrow stairs lead to a small second-floor office over the foyer. A bedroom occupies the space above the module between the library block and the kitchen.

Holl says his design was influenced by listening to Bartok's *Music for Strings, Percussion and Celeste*; the *stretto* or overlapping in the piece's opening fugue, he says, inspired the overlapping spaces in the house, as well as its name. **Joel Warren Barna**



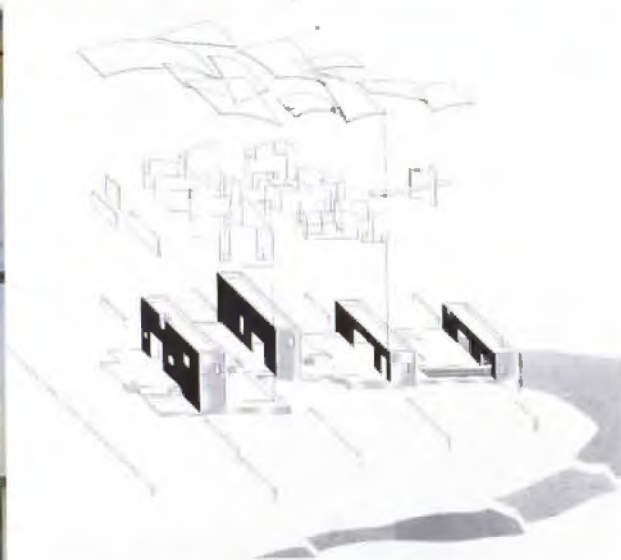
**Top: view through the clerestory-lit hall toward the front entry**

**PROJECT TEAM** Steven Holl Architects (Steven Holl, principal; Adam Yarinsky, project architect; Peter Lynch, Bryan Bell, Matthew Karlen, William Wilson, Stephen Cassell, Kent Hikida, Florian Schmidt, Thomas Jenkinson, and Lucinda Knox, project team members; Matthew Karlen and William Wilson, model builders; Geoffrey Cass Hutchinson, model photographer); Max Levy, Max Levy Architect, Dallas, consulting architect

**CONTRACTOR** Thomas S. Byrne, Inc., Fort Worth (James N. Patterson, Jr., chairman and president; A.T. Seymour III, officer-in-charge; Gary Steele, project manager; Roy Kizer, job superintendent; Lynn Hill, estimator)

**CONSULTANTS** Datum Engineering, Dallas (structural: Thomas W. Taylor, principal; Johan Bremer, project engineer; Chuck Naeve, Bryan Green, and Chris Harris, project team members); Interfield Engineering Co., Dallas (mechanical, electrical, and plumbing: Frost E. Gardner, Gabriel Majdalani; Mark Fratto, and Tim Cooper, project team members)

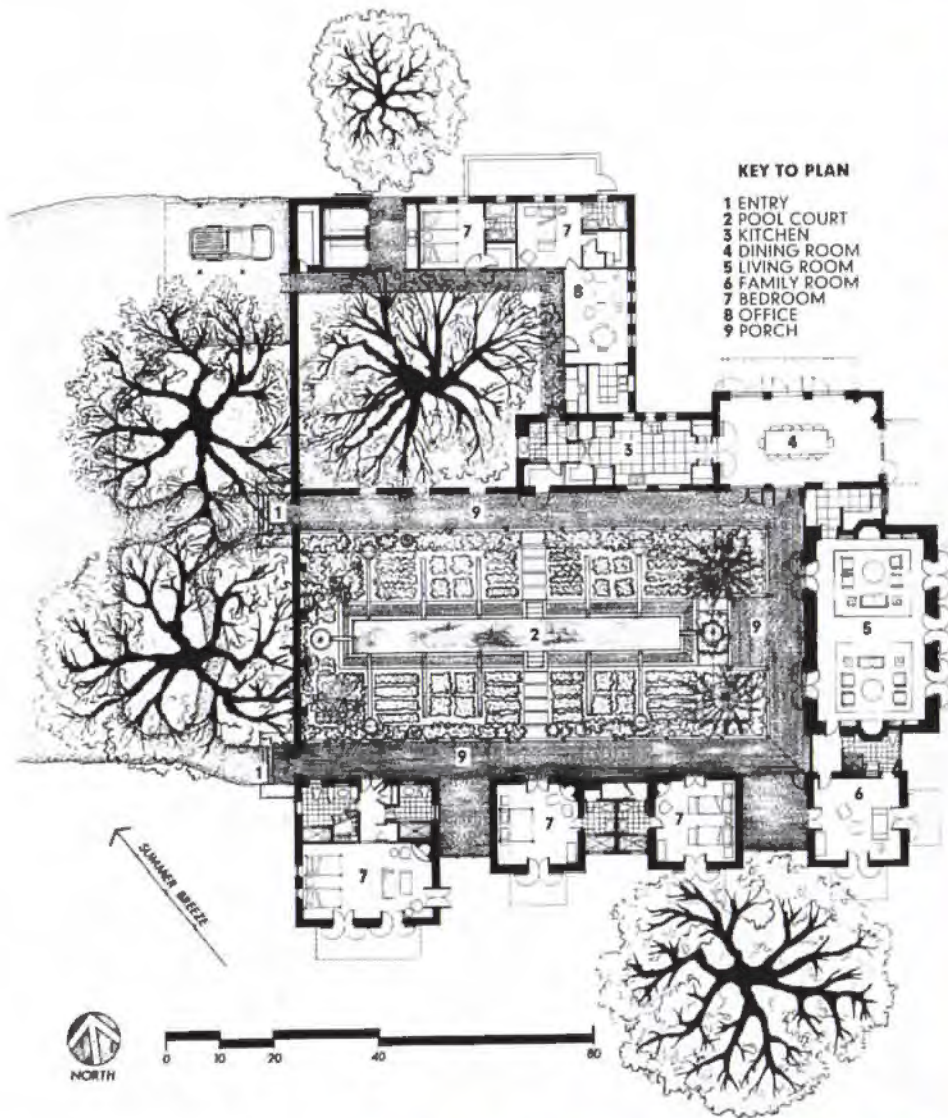
**PHOTOGRAPHER** Paul Warhol, New York



**Above:** Steven Holl Architects' Texas Stretto House responds to its creekside site with four disciplined modules under soaring, sail-like roofs.

**Far left:** A view into the sunken living room; the roof structure is built of curved six-inch pipes, covered in lead-copper shingles.

**Left and below:** Axonometric and east elevation



Above: site plan

Right: The garden centers on a swimming pool that also irrigates the plants and serves as a rainwater reservoir.



## The Secret Garden

**El Tule Ranch House, Falfurrias  
Lake/Flato Architects, San Antonio**

SINCE 1986, when the architects at Lake/Flato of San Antonio entered their first TSA Design Awards competition, the firm has won eight design awards—at least one in every year except 1987. (They also won a national AIA Honor Award in 1992.) This year the string of honors continues: Lake/Flato's El Tule Ranch house won an award in the general design category.

Designed for a mott of oaks on a sand dune in the open grassland of South Texas near Falfurrias, the house is a ranch headquarters that includes a main living area with separate bedrooms, along with a caretaker's quarters.

~ Lake/Flato connected the house to the open landscape while at the same time establishing it as a



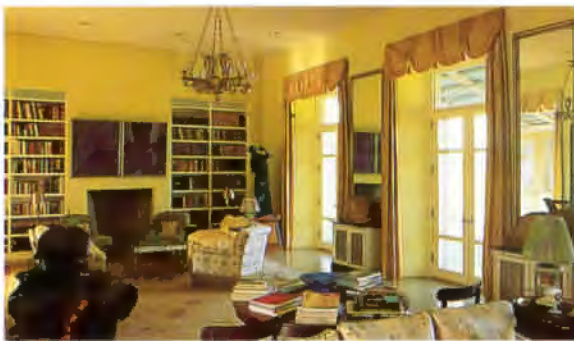
compound enclosing its own, contrasting, world. The main house is broken into a series of pavilions with walls that enclose a courtyard garden. Approaching the house, one sees walls and trees; passing through the gates, one enters an oasis-like garden, where a central lap pool echoes the traditional Southwestern acequia (irrigation canal). This is more than a conceit: In fact, the pool waters the garden and captures rainwater.

The bedrooms, with their pyramidal roofs, surround the courtyard, fronted by a portico that provides the house's circulation. Single-room volumes provide cross ventilation (while solid walls to the north protect the house from winter winds).

Built of stucco-covered block, with floors of concrete and brick, the house is nevertheless surprisingly well proportioned to suit the client's collection of English antique furniture. *JWB*

**PROJECT TEAM** Ted Plato, David Lake, Joaquin Escamilla  
**CONTRACTOR** Timbercon Construction Co., San Antonio  
**CONSULTANTS** Jim Keeter (landscape architecture); Comfort Air Engineering (mechanical); Reynolds, Schlattner, Chetter, Rolls, Inc. (structural)

**PHOTOGRAPHER** BlackmanWinters, Irving



**Above:** Seen from outside, the house presents mostly walls and trees.

**Left:** The proportions of the living room make it a fitting frame for part of the family's collection of antique English furniture.



**Below left:** Metal roofs and site-built caliche blocks provided the primary building materials.



## Church of the Rock

**Cistercian Abbey Church, Irving**  
**Cunningham Architects, Dallas**

FOUNDED IN 1098 in Cîteaux, France, as a reformist offshoot of the Benedictines, the Cistercian monastic order has been an austere force in European Christianity for almost 900 years.

Cunningham Architects of Dallas won an award in general design for the abbey church designed and built in Irving for a community of Cistercian monks who came to the Dallas area from Hungary, fleeing persecution in the 1940s.

The church is a simple nave, without a transept; it adjoins the existing monastery to the south. To the north are trees that separate the cloister from a boys' school run by the monks.



**PLAN KEY**

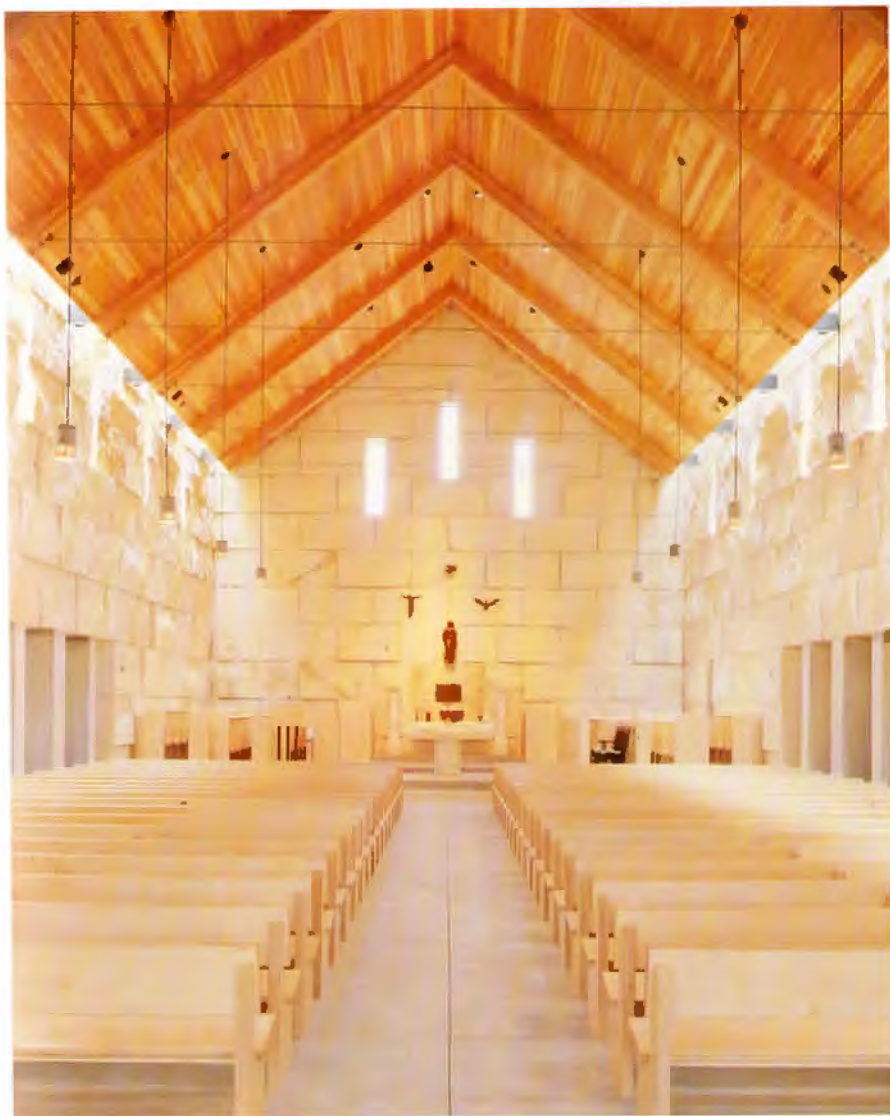
- 1 EXISTING ABBEY BUILDINGS
- 2 CLOISTER
- 3 ENTRY
- 4 NAVE
- 5 CHOIR
- 6 ALTAR
- 7 SIDE AISLE
- 8 COVERED WALKWAY



Middle: plan, with existing abbey shaded

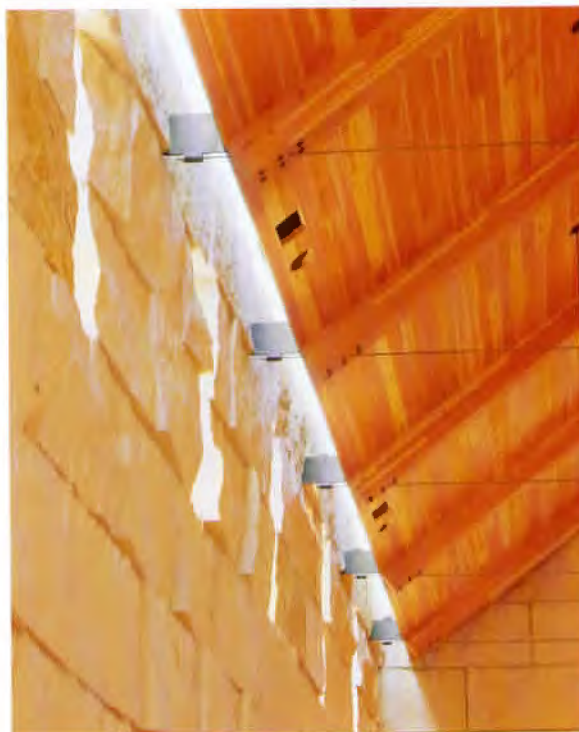
Above: section (B-B, as shown on plan)





**Left:** The nave walls are washed in light from glazed horizontal openings between the walls and the suspended wood roof structure.

**Below:** Thin rods, threaded through the rafters, hold the roof structure in tension; downward thrust is carried by steel plates into the stone walls.



The architects captured the order's historical robust asceticism in the heroic scale of the materials used for the church. The walls are made of 5,000-pound limestone blocks, cut in a North Texas quarry, which average three feet high, six feet long, and two feet thick. The 427 blocks used were trucked to the site and, over a two-month period, set in a one-inch mortar bed.

To match this, the architects created a roof structure of equal drama: Glue-laminated rafters are held in tension by thin steel members; the downward thrust of the structure is carried by steel plates set in the walls. Between roof and walls, the architects set horizontal cast-glass windows—held in place only by silicone sealant—that bathe the perimeter in a torrent of light that reflects into the contemplative nave and choir. *JWB*

**PROJECT TEAM** Gary Cunningham, FAIA; Russell Buchanan, Chris Fultz, Frank Gonnillon

**CONTRACTOR** Andres Construction, Dallas

**CONSULTANTS** Jim Smith (structural); MEP, Inc. (mechanical, electrical, and plumbing); Pam Wilson (lighting); Cunningham Architects (landscape)

**PHOTOGRAPHER** James F. Wilson, Dallas



**Facing page, top:** entry to the Cistercian Abbey Church in Irving, showing the massive stone walls, turned stone columns, and poured-in-place concrete canopies

**Left:** The 5,000-pound limestone blocks for the church were cut from a North Texas quarry by an eight-foot saw, without rough cuts.



**Neoclassical organization and colorful, deeply modeled materials unite the Hutchings and Sealy buildings (facing page, top), restored by Ford, Powell & Carson. The interiors were reworked for use as retail spaces (above). Restoration required removing and replacing the terra-cotta cornice (right).**

**Facing page, bottom row, left to right: site plan, axonometric of first floor, and section**



Carolyn Peterson

## Classical Clay

**Hutchings-Sealy Building, Galveston  
Ford, Powell & Carson Architects, San Antonio**

SAN ANTONIO ARCHITECTS Ford, Powell & Carson won a 1992 TSA Design Award for the firm's restoration and adaptation of the buildings that make up Galveston's Hutchings-Sealy Block.

These two adjacent buildings on The Strand, dating from 1895, were originally designed by the great 19th-century eclectic, Nicholas Clayton. Clayton incorporated a fire-proof structure and a skylight, both innovations at the time. He organized the buildings behind a single facade broken up into two horizontal sections. The ground floor section has recessed doors and windows that are surrounded by rusticated sandstone supported by blocks of pink and gray granite. The ground floor section is capped by a sandstone entablature with a projecting cornice; its major Strand Street entrances are flanked by detached Doric columns. The second floor is faced in buff brick with terra-cotta trim, topped by a terra-cotta entablature. At the corners and center of the facade, brick pilasters with Corinthian terra-cotta capitals project from the plane of the building. The central bay is capped with a terra-cotta tympanum.

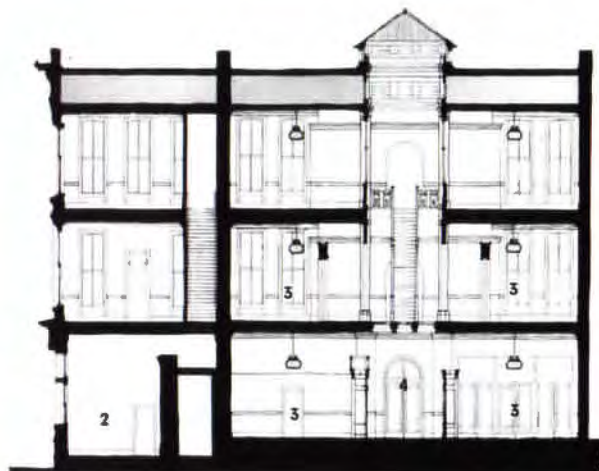
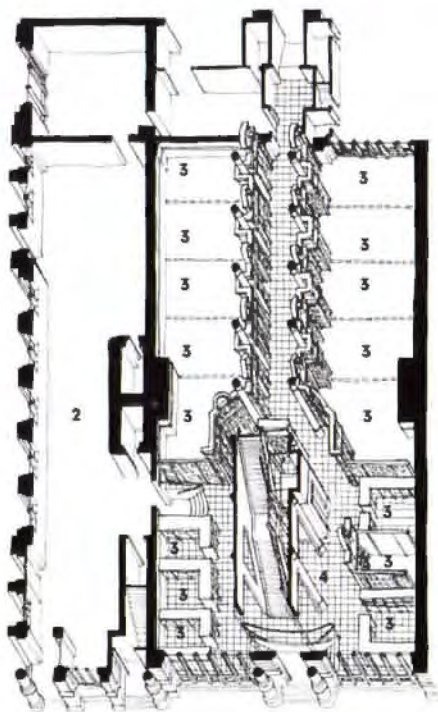
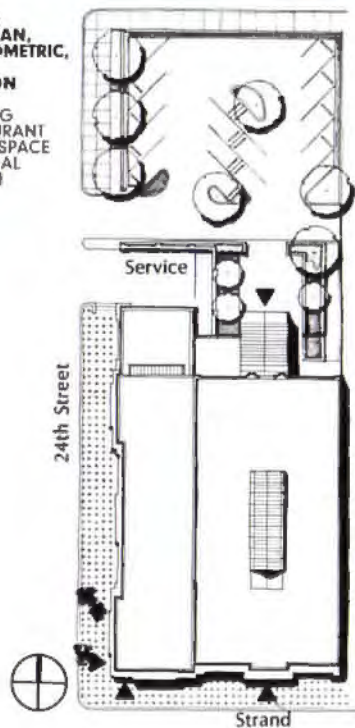
Exterior work focused on restoration and stabilization of the terra-cotta and sandstone parts of the facade. The entablature topping the first section of the facade was dismantled and rebuilt, while its disintegrated steel structural supports were replaced. Terra-cotta shrinks when fired, so the craftworkers had to create carefully oversized molds for the new pieces. The deteriorated sandstone was also replaced and protected. Elements that had been altered over time were returned to their original appearance.

The interior was reworked for a number of commercial uses. The "Hutchings Bank" was renovated for a restaurant, retaining the original oak paneling, tile floors, and bank vaults. The restored cast-iron stairway and sky-lit atrium on the Sealy side of the building form the focal point for a new set of neoclassical-looking retail shops that fill the majority of the building. Original crown moldings, vaulted ceilings, and wainscoting are preserved and incorporated into the retail space with mechanical and electrical systems integrated as detached decorative elements. Work by Nicholas Clayton is displayed throughout the building. *Amy M. Young*



**KEY TO  
SITE PLAN,  
AXONOMETRIC,  
AND  
SECTION**

- 1 PARKING
- 2 RESTAURANT
- 3 RETAIL SPACE
- 4 ORIGINAL  
ATRIUM



**CLIENT** Mr. and Mrs. George Mitchell  
**PROJECT TEAM** Boone Powell, FALA; Carolyn Peterson, FALA;  
 Gary Coombs  
**CONTRACTOR** Tellepsen Corp.  
**CONSULTANTS** Goetting & Associates (mechanical, electrical, and  
 plumbing); Cunningham & Associates (structural)  
**PHOTOGRAPHER** Hickey-Robertson, Houston



# Tower Modernized

**Tower City Center, Cleveland, Ohio**  
**RTKL Associates, Inc., Dallas**

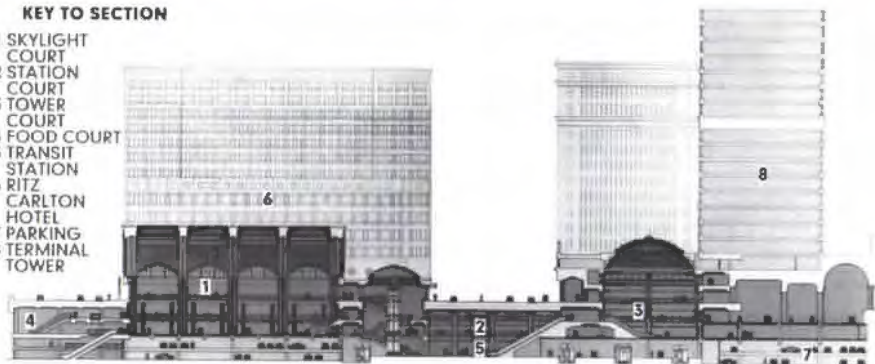
THE DALLAS OFFICE of RTKL Associates, Inc., won a 1992 TSA Design Award for the \$450-million adaptation and expansion of Tower City Center in Cleveland, Ohio, one of the most ambitious and successful urban interventions in decades. Starting point for the project was the 1920s-era Terminal Group, once one of the largest mixed-use projects in the country, which had fallen into disuse. The owner, Forest City Enterprises, worked with governmental authorities to redevelop the center as a multi-modal transportation hub and a new downtown focus for retail.

RTKL's design included a new 380,000-square-foot retail mall, carved out of the complex; renovation of the public spaces of the Terminal Tower; the new 208-room Ritz-Carlton Hotel; the new 350,000-square-foot Skylight Office Tower; a 3,600-car garage; and an 11-screen cinema. Working with existing structures and materials, the architects treated the Tower City Center as urban infill, opening and linking significant public spaces and stimulating rebirth in both transit ridership and sales tax revenues.

*JWB*

## KEY TO SECTION

- 1 SKYLIGHT COURT
- 2 STATION COURT
- 3 TOWER COURT
- 4 FOOD COURT
- 5 TRANSIT STATION
- 6 RITZ-CARLTON HOTEL
- 7 PARKING
- 8 TERMINAL TOWER



**Tower City Center** (this page, top) has been redeveloped as a city-center mixed-used project. New retail areas like the Skylight Court (facing page) have opened up the formerly cramped transit spaces (before, this page, right).

**CLIENT** Tower City Development, Inc., a subsidiary of Forest City Enterprises, Cleveland

**PROJECT TEAM** RTKL Associates, Inc., Dallas (Joseph J. Scalabrin, F.A.I.A., principal-in-charge; Todd C. Lundgren and Douglas W. Schoemaker, project managers; James R. Sailor and Barton R. Chambers, project designers; Charles B. Doolson, Robert W. Raymond, Carolyn C. Choate, project architects)

**CONTRACTOR** Forest City Commercial Construction Company

**CONSULTANTS** ARJO Engineering, Inc. (mechanical engineer, total complex; MEP engineer, hotel and office towers); Cannon Faulkner, Inc. (electrical engineer, retail mall); Cannon Design, Inc. (structural engineer); MESA Design Group (landscape architect); Theo Kondos Associates (lighting designer)

**PHOTOGRAPHER** Scott McDonald, Hedrich-Blessing







**CLIENT** City of Austin (Nathan Schneider, contract director)

**PROJECT TEAM** Page Southerland Page, Austin (architect-of-record); Associate Architects: Lawrence W. Speck Associates, Austin; Villalva Kotera Kolar, Austin; Ellerbe Becket Architects, Minneapolis, Minn. (Design team: Matthew F. Kreisle III, principal-in-charge; Charles L. Tilley, project manager; Lawrence W. Speck, lead designer; Arturo Arredondo, Tom Frank Golson, M. Hamilton Frederick, Alfred Godfrey, Eve Persons, Andrew Baer, and Scott Jordan-Denny)

**CONTRACTOR** SAE/Spaw Glass

**PROJECT MANAGEMENT** Gilbane Building (Robert K. Frammer, program manager)

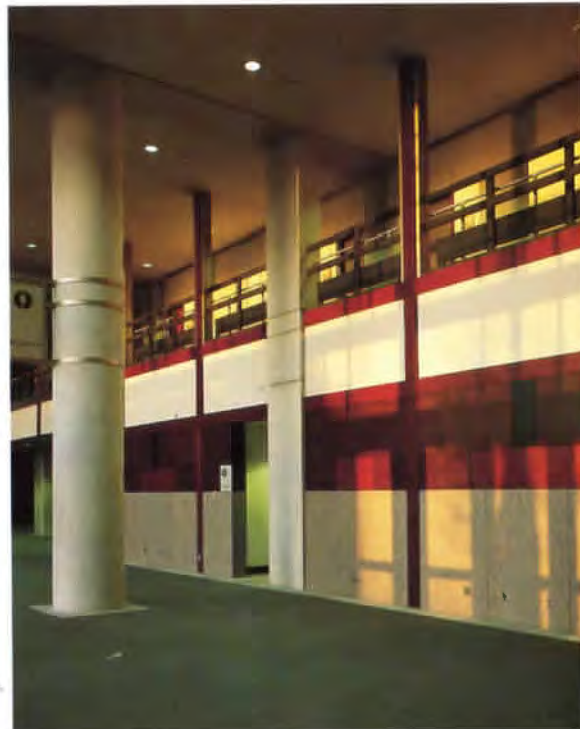
**CONSULTANTS** Johnson, Johnson and Roy, Dallas (landscape architecture); Ellerbe Becket (structural); Page Southerland Page (civil); Page Southerland Page/



Ellerbe Becket (mechanical and electrical); Hicks & Company, Austin (archaeological); Boner Associates, Austin, and Jack Evans & Associates, Austin (audio-visual); OTM Engineering, Austin (communications); Rolf Jensen & Associates, Houston (fire protection);

Fuller Dyal & Stamper, Austin (graphics); Archillum Lighting Design, Austin (lighting); Schiff & Associates (security); Wilbur Smith Associates, Houston (transportation)

**PHOTOGRAPHER** Richard Payne, FALA, Houston



# Breaking the Box

**Austin Convention Center, Austin**  
**Austin Collaborative Venture, Austin**

WINNER OF a 1992 TSA Design Award in general design, the Austin Convention Center is the first major civic building to be completed in downtown Austin in more than a decade.

Occupying a four-square-block site surrounded by warehouses and parking lots in the southeastern part of downtown, the 404,000-square-foot building is the center of a district tied to Austin's riverfront parks and its night-life center on historic Sixth Street. The center's varied facades correspond both to interior functions and to the scale and uses around the center.

The main entrances are on the south side, facing First Street and the river. The southeast corner is marked by an 84-foot-high polygonal rotunda of split-face limestone. A similarly scaled space, the "palazzo," anchors the southwest corner; it is faced, inside and out, in smooth-cut limestone resting on a base of pink granite.

The western facade along Trinity Street is faced in plum-colored ironspot brick and sharply fitted aluminum panels. A large polygonal window on the upper level, facing Trinity Street, terminates the Second Street axis. A third major entrance, at the intersection of Trinity and Third streets, is shielded by a deep loggia.

The building's screened service yard, on the northeast corner, provides loading bays for eight trucks, which can be driven into the exhibition halls. The center's eastern facade below the service yard, edged with a broad terrace, matches the contours of Waller Creek. The upper surfaces of the eastern facade, along with the entire attic housing air-handling equipment above the exhibition halls, is faced in a handsome but low-cost painted metal shingle. The architects say its use allowed them to concentrate higher-cost materials at street level.

Meeting rooms are located along corridors on the Trinity and First street sides, wrapping the center's 126,000 square feet of column-free exhibition halls. Interior spaces are finished in limestone, brick, and granite, along with panels of Honduran mahogany and custom-woven fabric panels. Balconies and sunshades shield all the glazed interior spaces. Officials hope that the center will stimulate and guide development in its surrounding urban district.

*Susan Williamson*



**KEY TO PLAN**

- |                   |                |
|-------------------|----------------|
| 1 EXHIBITION HALL | 6 KITCHEN      |
| 2 MEETING ROOM    | 7 STORAGE      |
| 3 LOBBY           | 8 SERVICE YARD |
| 4 BANQUET HALL    | 9 TERRACE      |
| 5 CAFE            |                |

**Above: interior of "the palazzo," a major circulation node**

**Facing page, top: the Austin Convention Center, facing Trinity Street**

**Facing page, bottom left: Exhibition halls provide 126,000 square feet of display space.**

**Facing page, bottom right: interior finishes include mahogany and fabric panels.**

**Left: first-floor plan**



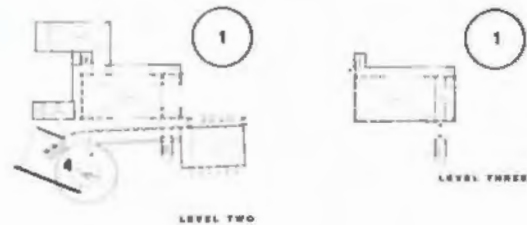
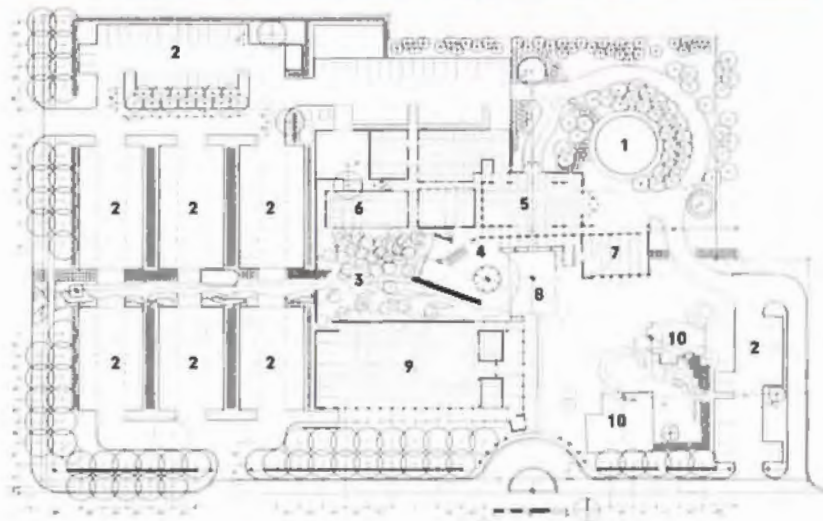
# Tower Suite

**Addison Conference & Theatre Center,  
Addison  
Cunningham Architects, Dallas**

THE TOWN OF ADDISON, a four-and-a-half-square-mile chunk of the North Dallas business corridor, has existed since its inception as a *there* without a *there*, its freeway strips, malls, and growing apartment developments set off from the cotton fields only by a general-aviation airport (the busiest in North Texas), a few remaining historical buildings, and a truly massive water tower. The town also, perhaps surprisingly, is home to a respected experimental theatre company. Cunningham Architects (winner of seven TSA design awards since 1984, including two this year) won an award in general design for the firm's theatre and conference center in Addison, combining seemingly irreconcilable contexts with an urban program.

With the water tower as a reference point, the project is a low-slung collection of buildings that manages to cohere despite being skewed this way and that in response to the airport, a small agricultural windmill, and two WPA-era stone buildings.

The materials—concrete, glazed brick, local stone—are hard and massive, but handled with delicacy and wit. So are the constructional techniques used, which range from an exposed truss roof for the theatre to boldly cantilevered slabs in the theatre and conference center lobbies. *JWB*



## KEY TO PLANS

- 1 WATER TOWER
- 2 PARKING
- 3 ENTRY COURT
- 4 THEATRE LOBBY
- 5 THEATRE

- 6 OFFICE
- 7 REHEARSAL
- 8 PLAZA
- 9 CONFERENCE CENTER
- 10 HISTORIC BUILDINGS

**CLIENT** *Town of Addison*  
**PROJECT TEAM** Gary Cunningham, FAIA; Russell Buchanan; Sharon Odum; Chris Fultz; Frank Gomillion  
**CONTRACTOR** The Cadence Group, Dallas (Craig Morris)  
**CONSULTANTS** Ellisor & Tanner, Dallas (structural); MEP, Inc., Dallas (mechanical, electrical, and plumbing); Pam Wilson, Dallas (lighting)  
**PHOTOGRAPHER** James F. Wilson, Dallas

**Top:** The entry court focuses on a historic building, which, along with the water tower and nearby airport, provided cues for materials and massing.

**Facing page, top:** A water tower anchors the complex.

**Facing page, bottom:** theatre lobby (left) and entry at night (right)





# In Living Color

**Harris Adacom Technology Center, Dallas**  
**Good, Fulton & Farrell, Dallas**

GOOD, FULTON & FARRELL of Dallas, another frequent recipient of TSA Design Awards in recent years, won an award in interior architecture for Harris Adacom Technology Center in Dallas.

The clients were relocating their administrative offices and computer-technology division to an existing 106,000-square-foot warehouse building, which included a 17,000-square-foot second floor. The architects designed new interior wall systems, finishes, lighting, power distribution, mechanical services, and communications networks, all to be installed within a \$16-per-square-foot budget. Furniture, storage equipment, and racking systems from the client's previous offices were to be reused.

Good, Fulton & Farrell organized the space around a "main street," a passageway running the length of the building. This corridor links the different functional areas, which include front office, accounting, computer testing, laboratories, and shipping. The architects housed departments in brightly painted boxes; the colors provide orientation for workers and visitors alike, as well as visual relief in the cavernous warehouse space. *JWB*

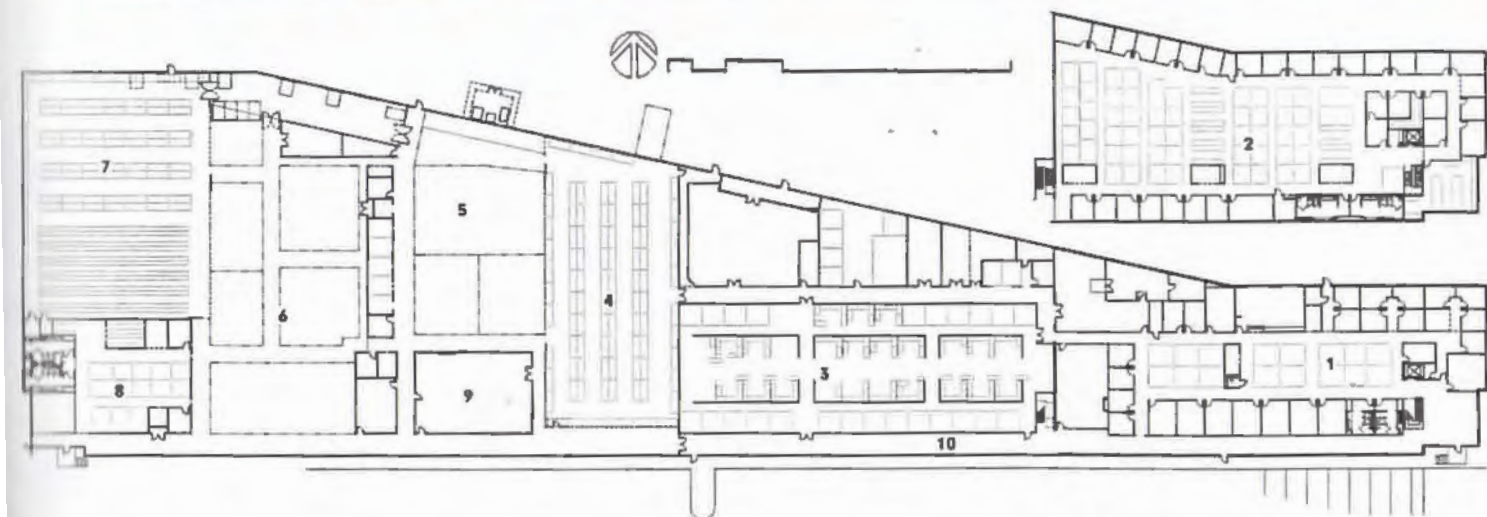


**Top:** Harris Adacom's "main street," looking toward the back entry

**Above:** Product assembly area, looking toward the print shop;

at right are work stations.

**Right:** Looking into the laboratory area from the second-floor accounting office



**PROJECT TEAM** David Farrell, principal-in-charge,  
and Joe Patti  
**CONTRACTOR** Constructors, Dallas  
**CONSULTANTS** CCRD, Dallas (mechanical, electrical, and  
plumbing); Staubach Company, Dallas (construction manage-  
ment)  
**PHOTOGRAPHER** BlackmonWinters, Irving

**Top: The shipping area  
features a giant blue  
hopper of plastic  
packing material.**

**KEY TO PLAN**

- 1 ADMINISTRATION
- 2 ACCOUNTING
- 3 COMPUTER ENGINEERING LABORATORY
- 4 ASSEMBLY WAREHOUSE
- 5 PRODUCT ASSEMBLY

- 6 TEST AND REPAIR
- 7 TEST AND REPAIR WAREHOUSE
- 8 DALLAS SERVICE CENTER
- 9 PRINT SHOP
- 10 "MAIN STREET"



**Above: the executive boardroom of the Bank One offices**

**Right: A catwalk, looking toward the first-level banking lobby and the second-floor executive suite, with the main building lobby below; RTKL also designed the first-level spaces.**

**Far right: second-floor plan**



# Bankable Design

**Bank One Executive Offices, Cleveland, Ohio  
RTKL Associates, Dallas**

THE DALLAS OFFICE of RTKL Associates, Inc., won a 1992 TSA Design Award in interior architecture for the 10,000-square-foot executive office suite the firm designed for Bank One of Cleveland, Ohio. The space is part of a five-floor office relocation and consolidation project at Bank One's new headquarters in downtown Cleveland (for which the banking lobby and other public spaces had been previously designed by RTKL).

The architects organized the space of the executive offices in an axial sequence. A series of floating ceiling forms link the spaces visually; there are large vaults in the two secretarial and reception areas, while an inverse vault lowers the ceiling over the executive board room. Wood paneling is used to set off the walls of private office suites for the chief executive officer and chief operating officer. Rotundas and niches in the office spaces were finished with hand-trowelled, integrally colored Venetian plaster (saving money compared to other wall coverings). An unusually tight budget and schedule were met, along with the client's need for understated, elegant offices.

*JWB*





View toward the secretarial station of the executive offices, with the CEO's suite through the door beyond; additional secretarial stations are in the right foreground, while space for future executive offices is in the left foreground.

**CLIENT** Banc One Corporation, Columbus, Ohio  
**PROJECT TEAM** Joseph J. Scalabrin, FALA, principal-in-charge; James Baker; James Sailor; Robert Raymond; Lawrence Cosby  
**CONTRACTOR** Turner Construction Company, Cleveland, Ohio  
**CONSULTANTS** Craig Roberts Associates (lighting); Gunning-Campbell (structural); TOLK (mechanical, electrical, and plumbing); WJHW, Inc., (acoustical)  
**PHOTOGRAPHER** Scott McDonald, Hedrich-Blessing



## Low-Budget Success

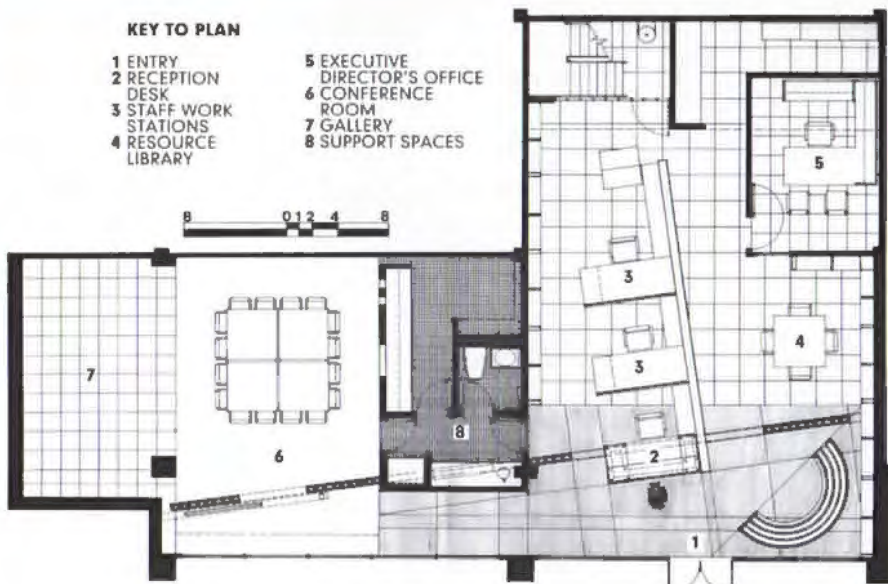
**Dallas Chapter/AIA Offices**  
**Stacy Architects, Dallas**

THE DALLAS CHAPTER/AIA OFFICE, winner of a 1992 TSA Design Award in interior architecture, is high-style low-budget design.

Architect Dennis Stacy called on area suppliers and manufacturers for donated or at-cost building materials, which he then designed around, and his design team salvaged bookcases and other items from elsewhere in the building. The volunteer architects built many components, including a rolling aluminum barn door and parts of the reception desk, work stations, and library shelving.

The entry leads to the plywood-and-aluminum member-services desk. Nearby is a resource library and document distribution center. Behind the desk are staff work stations, while farther back is the office of Executive Director Gloria Wise.

A partial-height, white-painted concrete-block wall gently separates private and public functions and entices visitors past the member-services area to a conference room and an unadorned, flexible gallery. By subtle manipulations of plan, Stacy achieves hierarchy, procession, and craft within the constraints of a tiny budget. *Ray Don Tilley*



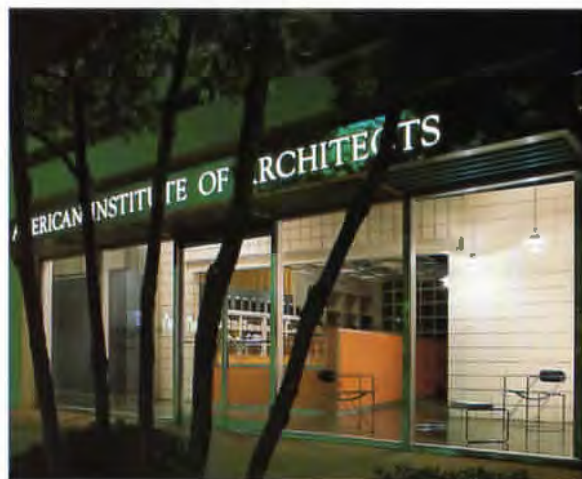
### KEY TO PLAN

- |                       |                               |
|-----------------------|-------------------------------|
| 1 ENTRY               | 5 EXECUTIVE DIRECTOR'S OFFICE |
| 2 RECEPTION DESK      | 6 CONFERENCE ROOM             |
| 3 STAFF WORK STATIONS | 7 GALLERY                     |
| 4 RESOURCE LIBRARY    | 8 SUPPORT SPACES              |

**Top:** shelves were reused in the resource library.

**Above right:** entryway

**Facing page:** A skewed concrete-block wall opens to conference room and gallery spaces.



**CLIENT** Dallas Chapter/AIA (Gloria Wise, executive director; Bud C. Hopkins, Gary K. Weeter, Brent E. Byers, FIAA, presidents)

**DESIGN TEAM** Dennis W. Stacy; Willis C. Winters, Jr.; Jeff Henry

**CONSULTANTS** Mary Peyton (lighting); Reed, Wells, Benson and Co. (mechanical, electrical)

**CONTRACTOR** The Spectrum Group, Inc., Dallas

**PHOTOGRAPHER** BlackmonWintersKubner, Irving





# A New Set of Stacks

**A. Frank Smith Memorial Library, Georgetown**  
**Skidmore, Owings & Merrill**

SKIDMORE, OWINGS & MERRILL won a 1992 TSA Design Award for the restoration and adaptation of the A. Frank Smith Library at Southwestern University in Georgetown, designed by the firm's now-closed Houston office and completed in 1986.

The library was an important part of a 1982 SOM masterplan for the campus, which situated an academic court at the heart of campus, replacing an informal semicircular drive and its disruptive parking and traffic while unifying academic functions that had been spread among peripheral buildings.

SOM began reworking the campus with an expansion of the university library, which consisted of the original 1938 building and a two-story "international style" pavilion, added in 1966. The program for the new library (named after donor A. Frank Smith) required that it double in size to house an expanding collection, as well as an audio-visual program and some additional classrooms. Since the library is one of the focal points of campus, it was vital to retain the spirit of the original campus as well as to expand to fit future needs.

The architects positioned a new octagonal entry toward the academic court to reinforce the central focus of the campus master plan, while creating additional entries to allow separate access to a new computer center and classrooms. The first floor of the pavilion also contains reference and circulation areas, classrooms, and seminar rooms. The second floor contains the graphics, media, and language labs, as well as several media classrooms, a curriculum room, and the stacks. A third floor was added to the 1966 pavilion and it was extended northward, creating a "wrapper" of book stacks and readers' space around the pavilion. The original 1938 building now houses rare books and special collections, including the papers of the late U.S. Senator John Tower, a Southwestern University graduate.

*Johanna Rowe*



## KEY TO PLAN

- 1 LOBBY
- 2 REFERENCE
- 3 CIRCULATION
- 4 INDEXES
- 5 CLASSROOM
- 6 SEMINAR
- 7 MECHANICAL/STORAGE
- 8 OFFICE
- 9 PERIODICALS
- 10 COURTYARD
- 11 EXHIBITION
- 12 JOHN TOWER COLLECTION
- 13 STACKS
- 14 READING ROOM
- 15 OPEN TO BELOW
- 16 ROOF



**CLIENT** Southwestern University, Georgetown  
**PROJECT TEAM** Craig Hartman, partner-in-charge; Jeffrey Flicker, senior architect, campus plan; James Viviano, senior architect, library; Michael Fletcher, project structural engineer; Ermenegildo Dilorio, project building-systems engineer  
**CONTRACTOR** Gilbane Construction  
**PHOTOGRAPHER** Aker Photography, Houston





**Facing page, top:** The original library became the special collections area of SOM's expanded A. Frank Smith Library.

**Facing page, middle row, left to right:** first, second, and third floor plans

**Facing page, bottom:** the library, with its 1960s-era addition

**Above, far left, and left:** The library's materials and scale are carefully integrated with the historic campus fabric.



# Turning the Corner

**Coates Student Center, Trinity University,  
San Antonio**  
**Chumney/Urrutia Architects, San Antonio**

CHUMNEY/URRUTIA ARCHITECTS of San Antonio won a 1992 TSA Design Award in the general design category for the firm's design of the Coates Student Center at Trinity University in San Antonio.

The administration of Trinity University found that the school's student body was changing in the 1980s; more students were residing on campus, creating the need for a larger, more prominent student center. Chumney/Urrutia Architects was to create the center out of unused space at the juncture of two architecturally unrelated buildings; it was to be respectful of the campus's existing buildings while forming both a "front door" and a "living room" for the campus, and to include spaces for a student lounge and reception area, a campus bookstore, meeting rooms and offices, a student post office, a cafeteria and a formal dining room, and an enlarged (and concealed) service court.

The architects drew on the vocabulary of steel framing and concrete planes of Trinity's landmark '50s-era buildings, updating the interiors with vibrant colors and pinwheeling geometry to create an exciting campus magnet. *JWB*



**This page, top: The Coates Student Center at Trinity makes a high-energy meeting room for students out of what had been left-over space.**

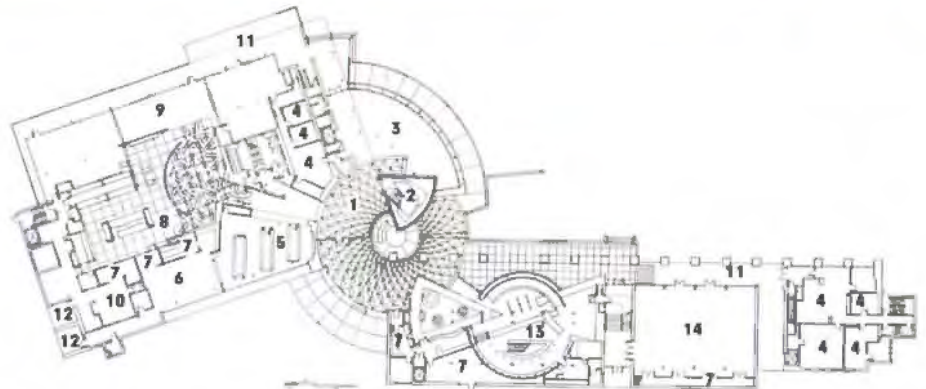
**Above: A cafeteria in bright colors was part of the project.**

**Right: a walkway links the buildings at first and second levels.**





**CLIENT** Trinity University, San Antonio  
**PROJECT TEAM** Pat S. Chumney, principal-in-charge; Mark Wolf; Lynette Pollari  
**CONTRACTOR** Turner Construction, San Antonio  
**CONSULTANTS** Silber & Associates, San Antonio (electrical and plumbing); Purdy McGuire, Dallas (mechanical); Feigenspan & Pinnell (structural); Kim Wolf (landscape architecture)  
**PHOTOGRAPHER** Paul Hester, Houston

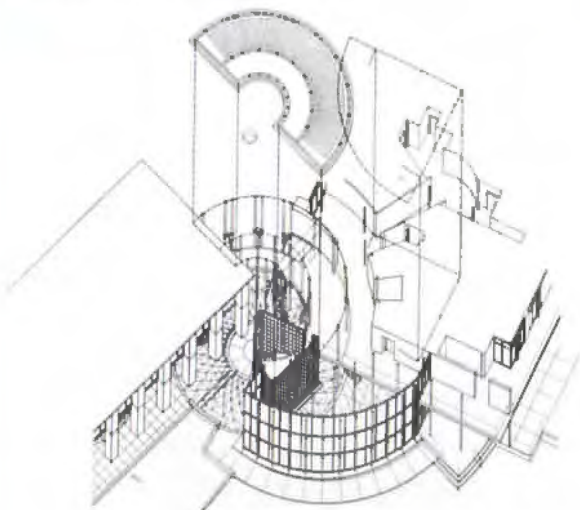


**KEY TO PLAN**

- |               |               |               |                 |                |
|---------------|---------------|---------------|-----------------|----------------|
| 1 LOBBY       | 4 OFFICE      | 7 STORAGE     | 10 KITCHEN      | 13 BOOKSTORE   |
| 2 STAIR       | 5 POST OFFICE | 8 CAFETERIA   | 11 TERRACE      | 14 FIESTA ROOM |
| 3 LIVING ROOM | 6 WORKROOM    | 9 COFFEE SHOP | 12 LOADING DOCK |                |

**Top:** At night, Coates Center is a bright campus magnet.

**Exploded axonometric (far left), and first-floor plan (above)**





# Show Room

**Eve France, Houston**  
**CRSS Architects, Inc., Houston**

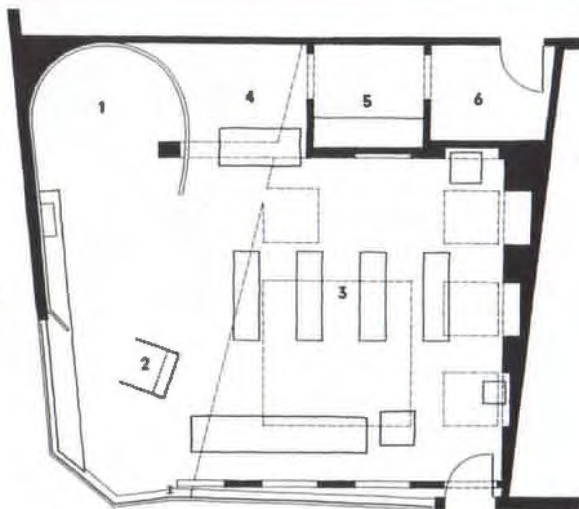
EVE FRANCE, A JEWELRY STORE in a 900-square-foot space in Houston, was expanding into clothing sales, and wanted a new, upscale look. At the same time, the budget and schedule were extraordinarily tight: Construction was to be completed within four weeks and to cost no more than \$30,000.

Scott Strasser of CRSS Architects designed a space for the two retail approaches required by the store's product lines. Jewelry was shown off in rows of simple display cases, treating the jewelry itself as decoration in a stripped-down background. The clothing (a Japanese line itself emphasizing simplicity and clarity) was arranged in a sculptural space whose sinuous curves and interpenetrating planes were set off by rich (but low-cost) paint. Wires run from the clothing display racks up to the lighting fixtures floating below the dark, exposed ceiling, setting off the client's merchandise. *JWB*

**CLIENT** *Eve France, Pam Glasserman*  
**PROJECT TEAM** *Scott Strasser, Cinda Ward*  
**CONTRACTOR** *Dennis Purcell, Houston*  
**CONSULTANTS** *Steven Bliss (structural)*  
**PHOTOGRAPHER** *Cbas McGrath, San Francisco*

## KEY TO PLAN

- 1 CLOTHING
- 2 DRESSING ROOM
- 3 JEWELRY
- 4 CASHIER
- 5 OFFICE
- 6 STORAGE

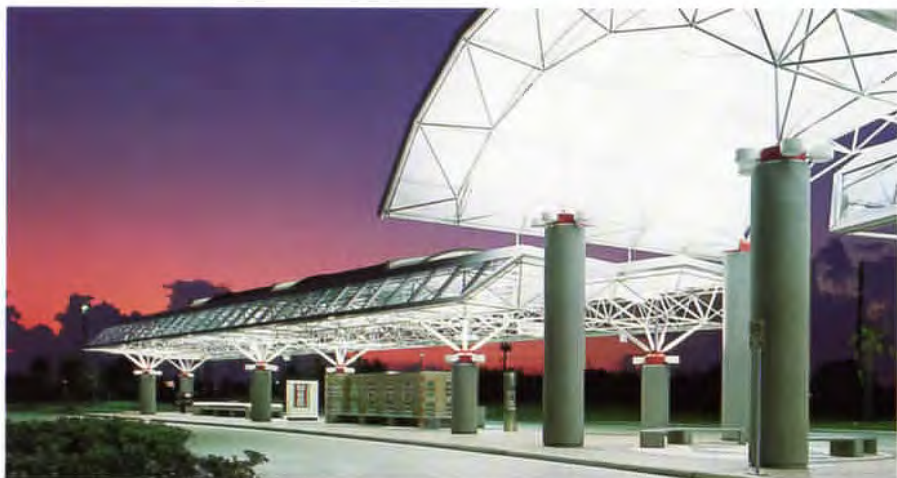


**Top:** Low, movable jewelry-display cases, set on a black carpet floor, make the merchandise the focus of the space at the front of the store.

**Right and facing page:** Sculptural forms, rich colors, and wires that connect pipe racks to lighting fixtures set off the store's clothing line.







**Top:** A central vault, an arched tubular space frame covered in translucent fabric, floats above and connects the side sections of the shelter.

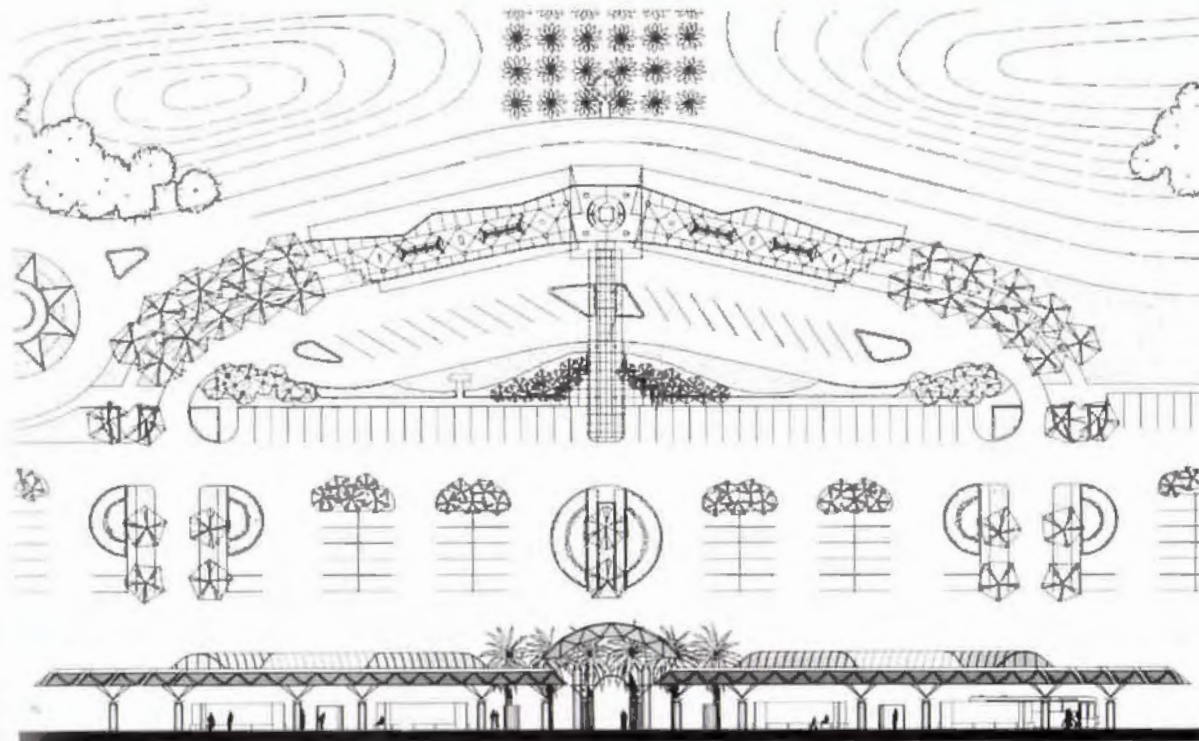
**Above:** In the darkness of early morning and late evening, the center is brilliantly lit, providing a glowing beacon for transit customers.

## Mission Metro

**Mission Bend Transit Center, Harris County**  
**Rey de la Reza AIA • Architects, Houston**

THE MISSION BEND TRANSIT CENTER by Rey de la Reza Architects is a futuristic arrangement of prefabricated tubular trusses supported on substantial concrete columns. A vaulted central section connects two wings that cover seating and waiting areas. In the early morning and evening hours when it is primarily used, the structure glows, lit intensely from within. **SW**

**CLIENT** Metropolitan Transit Authority of Harris County  
**PROJECT TEAM** Rey de la Reza, principal/design; Howard Merrill, project architect; Petros Patrianakos, design assistant  
**CONTRACTOR** Dillard & Weaver Construction Co.  
**CONSULTANTS** Benchmark Engineering (civil); Kalmans Associates (structural); P & S Associates (mechanical, electrical, plumbing)  
**PHOTOGRAPHER** Paul Hester, Houston



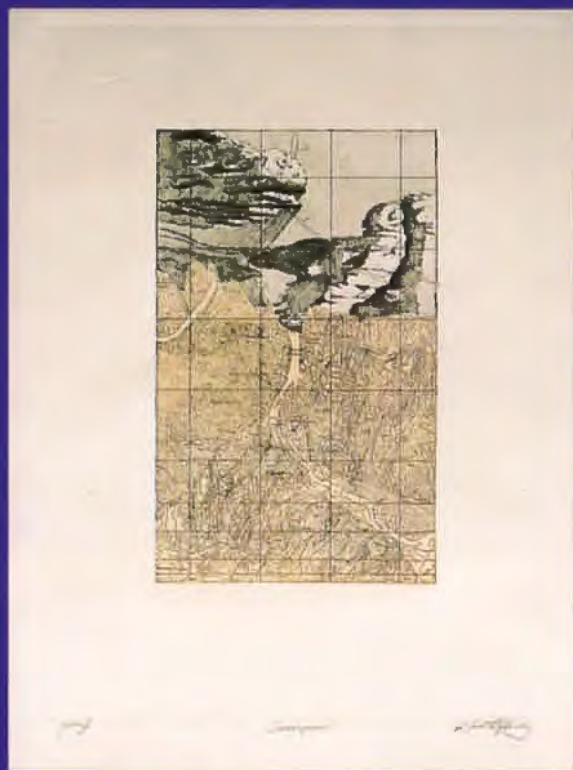
**Above: Seating areas inside the shelter are constructed of multi-colored tile and glass blocks.**

**Left: site plan (top), and elevation (bottom)**

"Luna Sobre Santa Fe"  
Dale R. Dekker  
Dekker & Associates,  
Albuquerque, N.Mex.  
Computer-generated  
color plot on bond



Right:  
"Convergence"  
Andrew Herdeg  
UT Austin  
Intaglio print of the  
Balcones fault zone,  
the Colorado River,  
and surrounding  
topography



Far right:  
"Smith House"  
Sinclair Black and  
Gregory Thomas  
Black & Vernooy,  
Architects, Austin  
Story board for Austin  
Chapter/AIA Tour of  
Homes



## From Concept and Imagination

by Ray Don Tilley

**Winners in the Concept and Imagination category are highlighted in this third look at TEXAS ARCHITECT's 4th Annual Graphics Competition.**

ON THESE PAGES, we complete our presentation of the 30 winners in *Texas Architect's* 4th Annual Graphics Competition (see *TA* July/Aug 1992 and Sept/Oct 1992). In some ways, we have saved the best for last: 14 exceptional "Concept and Imagination" pieces. The jury did cite the Sketch Books category as the most surprising and encouraging group of entries, but the work here elicited the greatest jury discussion and the toughest selection process. From the dramatic but straightforward "Abode for Education" rendering by Howard Chu to Edgar Farrera's boundlessly creative five-by-five-inch "Zoey's Neighborhood," these pieces ask us, the viewers, to think and ponder beyond the drawing plane as much as to observe and deduce the actual subject. **TA**



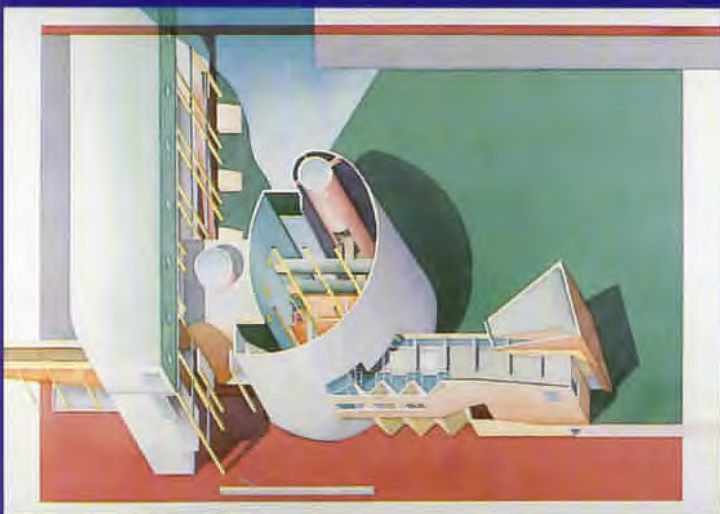


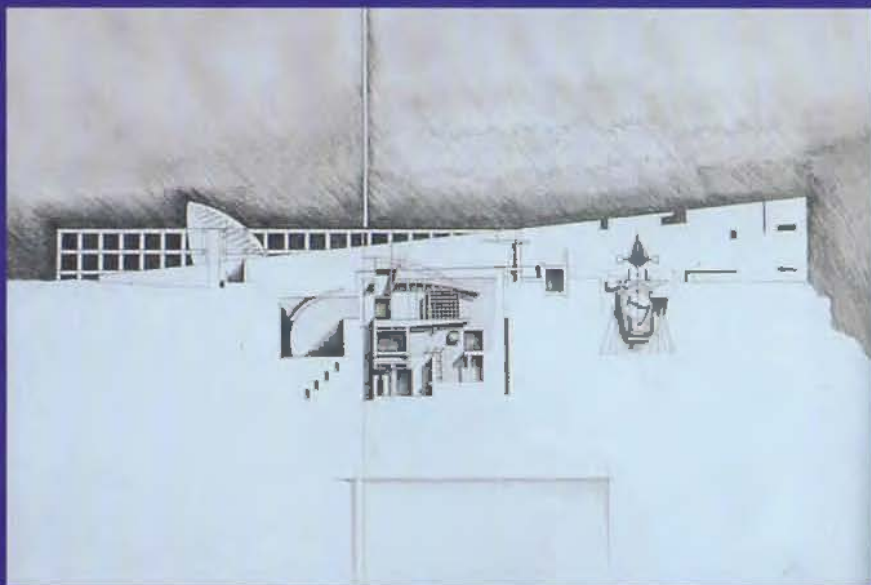
**Left:**  
**"Day Care Center"**  
 Shannon Fowler  
 Jackson & Ryan  
 Architects, Houston  
 Colored chalk and ink  
 on trace

**Bottom left:**  
**"Abode for Education"**  
 Howard Chu  
 University of Houston  
 Watercolor

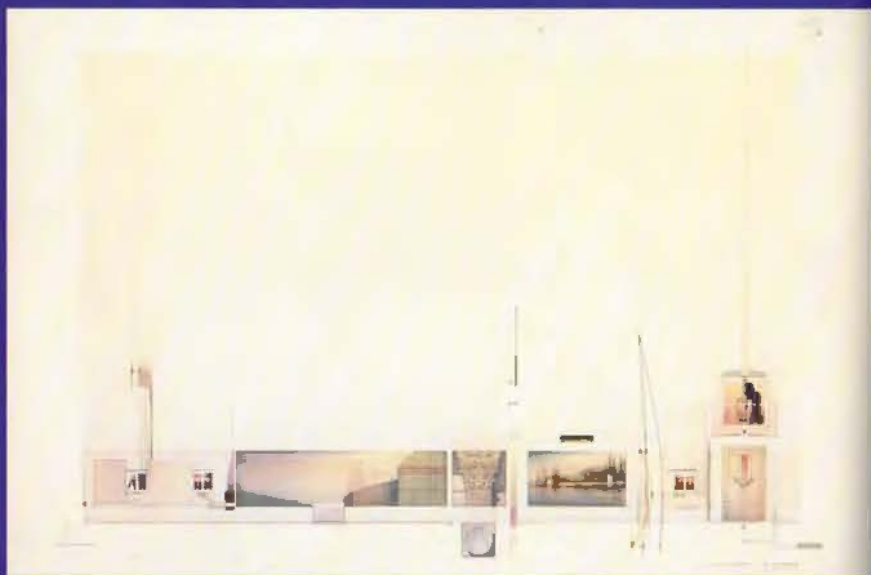
**Below right:**  
**"Zoey's Neighborhood"**  
 Edgar Farrera  
 Ford Powell & Carson,  
 San Antonio  
 Prismacolor marker,  
 pencil, and white ink  
 on sketch paper

**Bottom right:**  
**"Rug Over Courtyard"**  
 Janet Needham-  
 McCaffrey  
 Needham-McCaffrey &  
 Associates, Dallas  
 Ink and acrylic paint on  
 paper





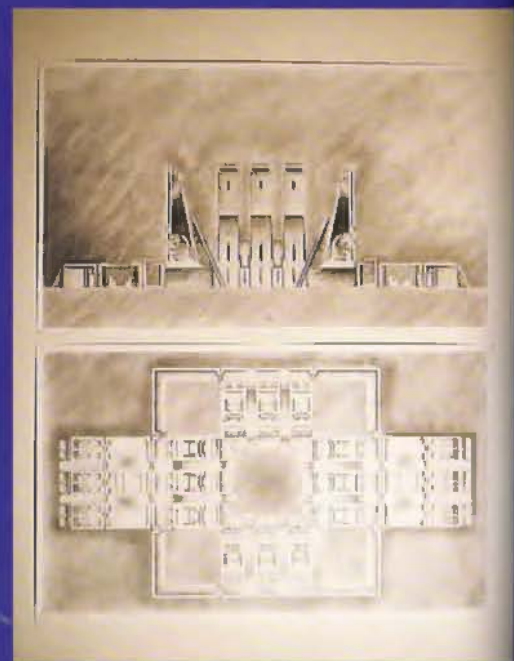
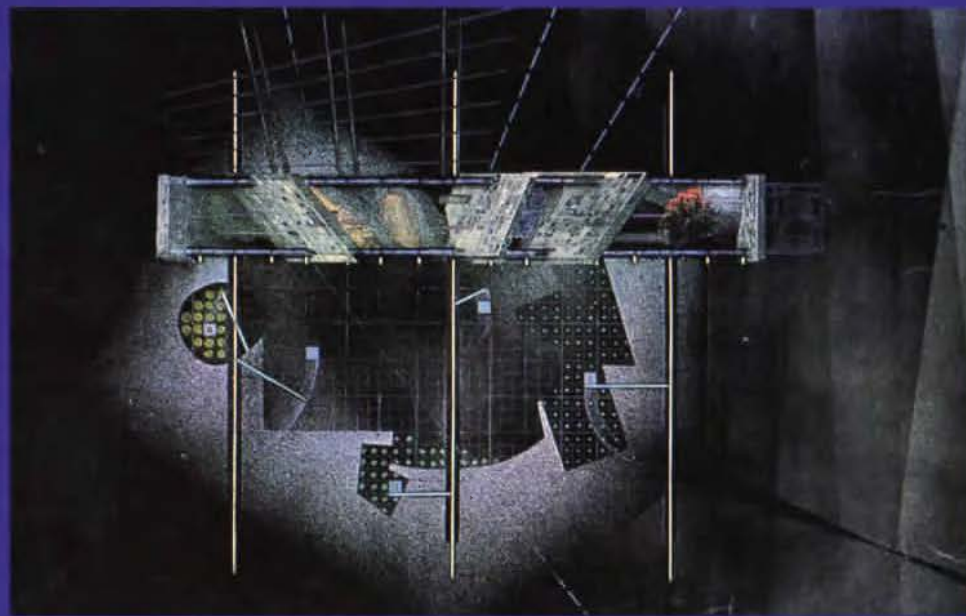
**Top right:**  
**"The Kinetic Garden"**  
 Agus J. Karmadi  
 UT Arlington  
 Graphite on  
 Strathmore paper

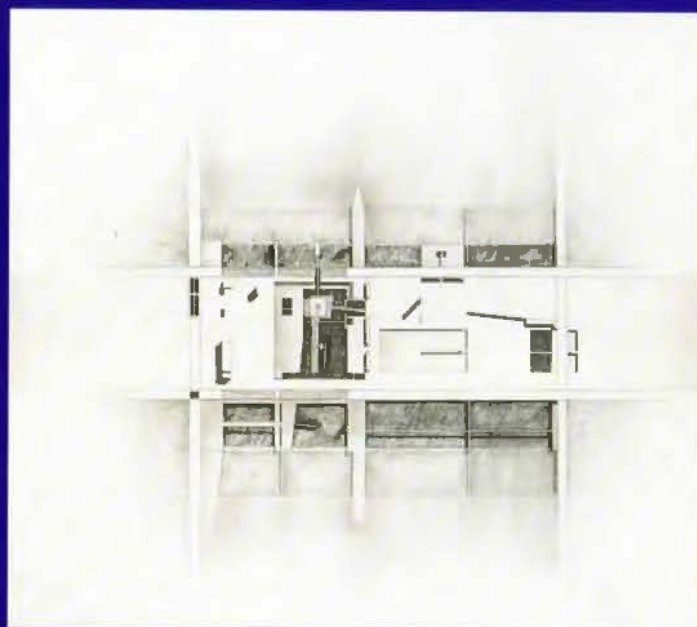
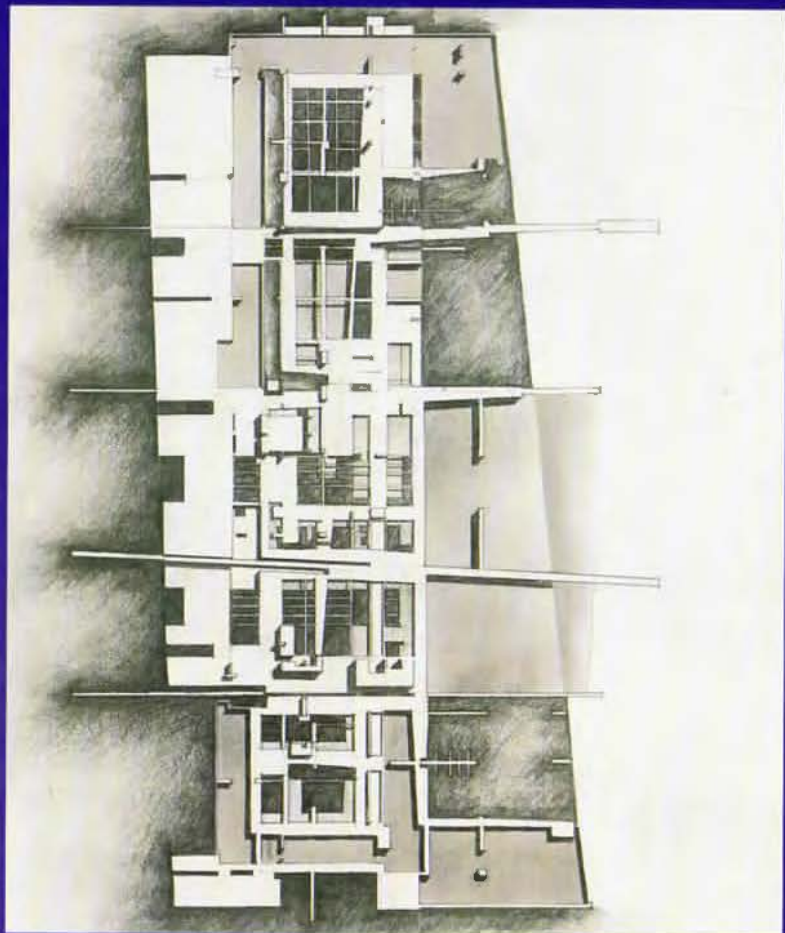


**Center right:**  
**"Windows and  
 Fragments: The  
 Picturesque"**  
 R.B. Ferrier  
 R.B. Ferrier AIA  
 Architect, Arlington  
 Watercolor, graphite,  
 photographic film  
 images, metals

**Below left:**  
**"Topographic  
 Reconstruction"**  
 Michael H. Patrick  
 UT Arlington  
 Wood, plastic, tape,  
 graphite, airbrush,  
 colored pencil, color  
 Xerox on Strathmore

**Below right:**  
**"Conciliation"**  
 George Belshaw  
 Gromatzky Dupree &  
 Associates, Dallas  
 Graphite and charcoal  
 on paper





Top left and above:  
"The Compressed  
Embankment" and  
"House for the  
Sextant"  
Timothy G. Shippey  
UT Arlington  
Graphite on paper

Left:  
"Artificial Horizon"  
Hoang V. Dang  
UT Arlington  
Graphite on  
Strathmore paper

*The elegant CAESAR STONE...  
for Commercial and Residential!*

*Tiles and Panels for Floors, Walls,  
Counter Tops, and Exterior Cladding*

*Available NOW...Call*

**GREAT SOUTHERN SUPPLY CO.**  
1-800-323-4398 • Houston 713-644-1751 • Dallas 214-358-1070

Circle 9 on the reader inquiry card



## **Spectra-Glaze® II**

FACTORY-GLAZED CONCRETE MASONRY UNITS

### **In Texas and the Southwest:**

- Design opportunities – unlimited colors, wide selection of scale and pattern (even 12" x 12" and 16" x 16" face sizes), interesting textures.
- Decades of proven performance, interior and exterior.
- Ease and economy of modular concrete masonry design and construction
- Operational and life-cycle cost savings.
- Supply from large, efficient plants.

**For service, please call 1-800-638-3188**

**United Glazed Products,** Division of The Burns & Russell Company

© 1991, all rights reserved; ® registered U.S. Patent Office, Canada & other countries by The Burns & Russell Company

### **Gerard Roofing Technologies**

A steel roof is one of the best solutions to the massive devastation and the insurance headaches caused by hail like that seen in April's record storms. Modern steel roofs have not only taken on the appearance of Mediterranean tile or classic wood shake, but offer proven resistance to the worst weather, including heavy hailstones, hurricane-force winds, and wind-driven rain.

Increasingly popular are roofs from Gerard Roofing Technology, a U.S. manufacturer of stone-coated steel tiles and shakes. Their strength and longevity is based on pre-primed corrosion-resistant steel, permanently polymer-bonded with stone granules. The tile and shake are lightweight and available in a wide range of attractive colors. Each Gerard roof comes with a limited 40-year weatherproof warranty.



**See us at the TSA Show  
in Houston, Booth 340.**

*Beautiful Under Any Condition.*

For more information, visit us in booth 107 in Houston, or circle 53 on the reader inquiry card

Visit booth 340, or circle 115 on inquiry card



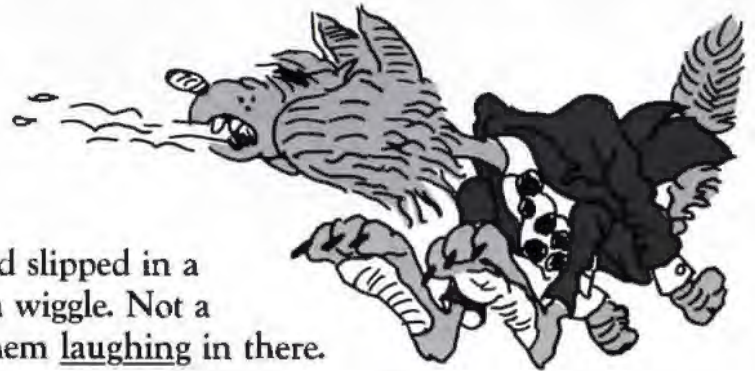
# I Liked Neighborhood Terrorism Until The Day Of The Masonry Hut!

“It’s not all it’s cracked up to be, being the wolf. Automatic Bad Guy, you know? But I’ve accepted myself and my impulses, my hungers if you will, and Dr. Ziebeck says I’m adjusting nicely.

Then along comes that smart aleck third pig and his modern masonry construction.

Talk about frustration! I mean, I’m known as a huffer and puffer, right? Don’t mean to brag, but I can get some wicked velocity on my Sunday Huff.

Well, I wound up and gave it a solid Huff and slipped in a Number 3 Puff and that pig’s hut didn’t give a wiggle. Not a quiver. I thought I heard—I know I heard—them laughing in there.



Well. You can imagine what that did to me. I’ve tried to come to grips with it, make it my reality, you know, but still it was a failure.

Masonry construction and union labor are too tough, too much. There, I’ve said it and I’m glad. Huts aren’t supposed to be that strong, you know?”



Masonry Institute of Texas  
P. O. Box 34583  
Houston, Texas 77234

Circle 3 on the reader inquiry card

# Survey

**Peace officers honored 70**  
**COMPETITIONS** Austin Architect Linda Johnston and her team won the Texas Peace Officers' Memorial competition.

**A Californian in Texas 71**  
**BOOKS** Larry Good reviews Lisa Germany's recent biography of modernist/regionalist Harwell Hamilton Harris.

**What you should know 72**  
**PRACTICE** San Antonio architect Douglas Pegues Harvey fills in some gaps typically left in an architectural education.

**Products and Information 76**

**Resources 81**

**Index to Advertisers 82**

**Marketplace 83**

**On Paper 84**

Linda Johnston's design for the Texas Peace Officers' Memorial includes a curved wall on which the names of slain officers will be carved, and a split obelisk from which a red laser will shine in memory of newly killed officers.

Plan (right), model (top, far right), and elevation (bottom, far right)

## Peace Officers Honored

**COMPETITIONS** A team headed by Austin architect Linda S. Johnston has been named winner of the Texas Peace Officers' Memorial Competition. Johnston's team won \$25,000 and the commission to design the memorial, which is to be built on the grounds of the State Capitol in Austin to honor Texas law-enforcement officers killed in the line of duty since August 5, 1823. A legislatively created committee of the Texas Commission on Law Enforcement and Officer Standards and Education organized and funded the competition and will raise funds for construction of the memorial.

R.J. Jack Lackey of Austin won \$10,000 for second place; Thomas Curtis of Garland won \$5,000 for third place. The winners were chosen from among 45 entries. Judges were Hal Box, FAIA; Frank Welch, FAIA; Everett Fly; Linda Bolyard; and Amy Freeman Lee. James W. Pfluger, FAIA, was competition advisor.

The program called for designs to embody qualities of remembrance, reverence, compassion, and respect, with names of the dead officers depicted as a highlight. The site was to be a 64-foot-square plot next to the Sam Houston office building, on axis with the entry to the Supreme Court Building to the west. The memorial was required to be compatible with the rest of the Capitol grounds, yet provide a sepa-

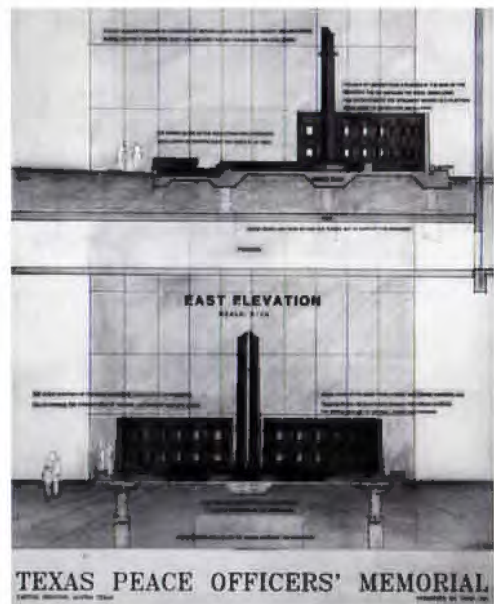
rate, reflective place "where those who visit should feel... personal loss." Durable materials, low-maintenance fixtures with low operating costs, and xeriscape planting were also to be used. Overall budget, including a 10-percent contingency fund, was to be \$1 million. Edward T. Laine of the commission says fundraising is continuing and that construction is planned to begin in October 1993. **JWB**



Photographs this page by James Minor



**PROJECT** Texas Peace Officers' Memorial, Austin  
**CLIENT** Texas Commission on Law Enforcement and Officer Standards and Education  
**ARCHITECT** Linda S. Johnston, AIA and Associates, Austin (project team: Betty Trent of Architecture



Plus, Mac Ragsdale, Bill Hardison, and Scooter Spence, all of Austin)  
**CONSULTANTS** Jaster Quintanilla Structural Engineers, Austin (structural); Laser Labs of Edetics, Austin (lighting)

# A Californian in Texas

**HARWELL HAMILTON HARRIS**

by **Lisa Germany**

Forward by **Kenneth Frampton**

Introduction by **Bruno Zevi**

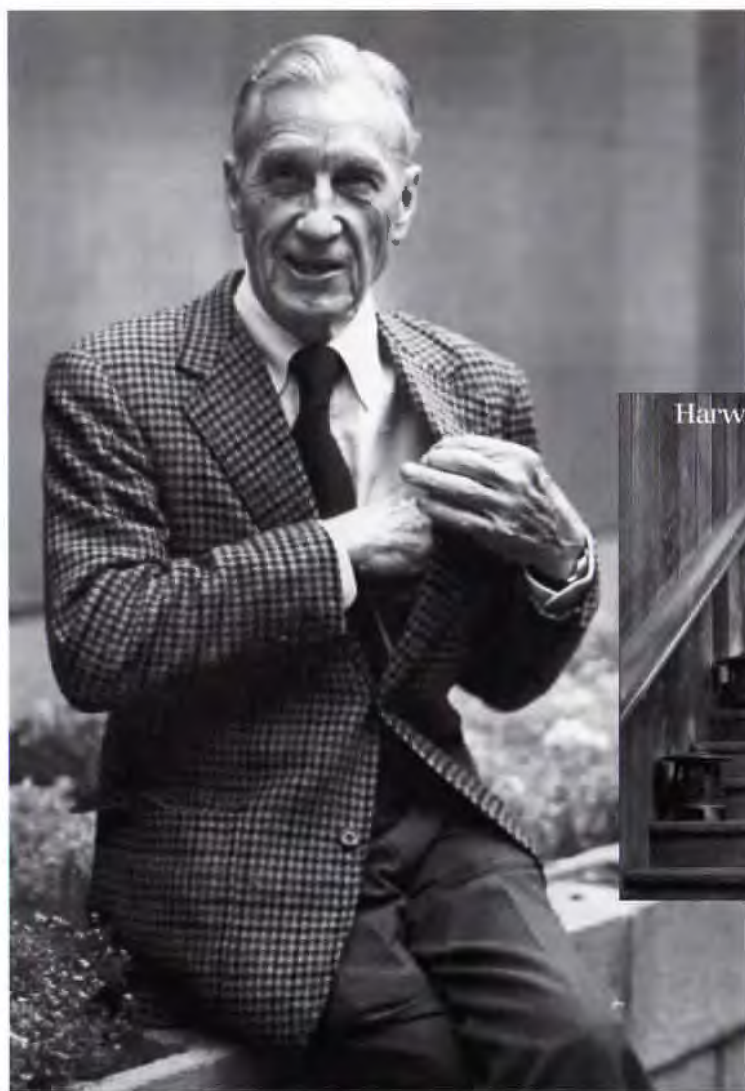
**University of Texas Press, 1991**

**252 pages, \$65**

**BOOKS** The Texas years were not the happiest in the career of pioneering modernist/regionalist architect Harwell Hamilton Harris, but his influence on architecture and education in our state was important, and this fine new book is easily the most comprehensive source of information on Harris. Austin author Lisa Germany has written a thorough, well-researched biography, a continuation of her work on a catalogue for an exhibition of Harris's drawings at the University of Texas in 1985. Germany apparently spent much time with Harris in the last six years of his life (he died in 1990), developing a friendship and probing behind the physical facts of his architecture to the personal feelings, philosophies, and sources that inspired it. The result is a well-balanced book as much about the architect as about his work.

The first half of the book details Harris's start as a sculptor and as an apprentice to Richard Neutra, followed by his development into one of the best-known and most-admired modern architects of the '30s and '40s. His smallish California houses successfully blurred the boundary between indoors and out, and were bold enough in concept to interest the avant garde, while soft enough in material and form to have mass appeal. His Fellowship Park and Havens houses became modernist icons, but his less idiosyncratic houses, in board-and-batten and hipped roofs, were easily copied by speculative builders. The Southern California avant garde of the postwar period turned away from Harris's brand of regionalism toward the European modernism of Charles Eames and Mies's followers, such as Craig Ellwood, and settled into infatuation with the Case Study House program of John Entenza. Discouraged by these changes, Harris in 1951 accepted the first directorship of the University of Texas' newly established school of architecture.

It is the two chapters on his 11 years in Texas that this reviewer found most delightful—especially with the period photographs of students, including Overton Shelmire, Duane La Rue, and José Guerra, seated at the knee of Frank Lloyd Wright, and of Harris's faculty,



Lawrence Spack



**Left: Harwell Hamilton Harris, ca. 1983, subject of Lisa Germany's biography (above)**

with young Roland Roessner, Martin Kernacy, and Hugo Leipziger-Pearce, a group from whom I was to learn so much 20 years later. According to Germany, Harris disliked both Beaux Arts and Bauhaus teaching methods, and sought to replicate his own learning experience. He added artists to the faculty and put young designers in positions of responsibility—much to the dismay of tenured professors. Among Harris's new hires were a group later to become known as the Texas Rangers: Colin Rowe, John Hejduk, Bernard Hoesli, Irving Rubin, Robert Slutsky, Lee Hirsch, and Marcus Whiffen. Field trips and hands-on design-and-construction activities became the norm; Harris favored designing over administrative duties, and while he brought needed changes to the UT curriculum, his emphasis ultimately brought about the end of his term as director.

Although Harris completed several fine new buildings while he was in Texas, including the Ruth Carter Stevenson House and Greenwood Mausoleum in Fort Worth, the Eisenberg House in Dallas, and the Treanor House in

Abilene, his work never attained the consistently high level he had achieved in California. Germany even refers to the architect's Dallas experience as "that gloomy rut," epitomized by a frustrating string of unbuilt projects for Trammell Crow. This is perhaps evidence of the theory that Harris needed inspiration from a spectacular site or enlightened client for production of truly outstanding work.

This book is certainly a recommended acquisition—well-written, handsome, and thorough. The black-and-white illustrations draw heavily from the Harris archive of plans and drawings, and they include fine photographs by Fred Dapprich and Man Ray. A 24-page section of color plates is included, as is a chronology of all Harris's buildings and projects and publications by and about the architect. *Harwell Hamilton Harris* succeeds because the friendship of author and subject is evident but not intrusive.

**R. Lawrence Good, FAIA**

*Larry Good, a TA contributing editor, is a principal of Good, Fulton & Farrell in Dallas.*

## How most insurance programs measure claims processing time

JUNE	JULY	AUGUST
1 2 3 4 5 6	1 2 3 4	1
7 8 9 10 11 12 13	5 6 7 8 9 10 11	2 3 4 5 6 7 8
14 15 16 17 18 19 20	12 13 14 15 16 17 18	9 10 11 12 13 14 15
21 22 23 24 25 26 27	19 20 21 22 23 24 25	16 17 18 19 20 21 22
28 29 30	26 27 28 29 30 31	23 24 25 26 27 28 29
		30 31

## How the TSA Insurance Program does



Most insurance programs can't pass the test of time. They fail when it takes weeks and months to handle your claim. They fail when they treat you like a number with a problem.

The TSA (Texas Society of Architects) Insurance Program, however, passes the test of time with flying colors. Among the program's features:

- 48 hour average claims turnaround time
- A courteous and caring staff that treats you like a person, not a number
- Choice of three deductible options
- Office hours from 8 a.m. to 8 p.m. central time
- Controlled by active AIA members as Trustees

It's your time and your money. If your insurance program isn't giving you the service you pay for, it's time to look into the TSA Group Insurance Program.

For more information, call Kathleen McDonnell or Staci Shirley at:



**Association Administrators & Consultants**  
**19000 MacArthur Boulevard, Suite 500**  
**Irvine, California 92715**  
**1-800-854-0491 Toll Free**

## SURVEY

### What They Should Tell You in Architecture School (and Don't)

**PRACTICE** Architecture schools teach design, which is fine as far as it goes. But working as an architect reveals just how far short of the mark most architectural educations are. Here, in all seriousness, are a few of the rules no one ever mentioned to me when I was in school.

**1** Architecture is life's most synthetic activity. Architects need to know everything about the world they build in.

**2** Each building is a prototype. Even two nominally identical structures will nearly always be built by different people on different sites with different soil conditions, access, utility services, regulatory environments, and so on. All prototypes have problems. How well would cars work if they were all prototypes?

**3** A project is only as good as its budget and client. It may be worse—this is where an architect's ability and experience come into play—but it can't be any better.

**4** Buildings cost a bundle. Only a very small percentage of the population has enough money to need the services of an architect.

**5** A corollary of 4: Clients generally have more money and social power than architects. This places architects at a disadvantage in terms of decisions, which are made where the money is. It also places architects in financial jeopardy: Big fish eat little fish.

**6** A second corollary to 4: Financially, the practice of architecture is lumpy. The typical architect operates on fewer separate instances of service provision per year than would a doctor or lawyer. Therefore, if only one client decides to play Stiff the Architect, a good year can turn into a net loss, even bankruptcy. This circumstance multiplies the client's leverage in all business arrangements with architects.

**7** The relationship between the availability of architectural commissions and a city's population is not linear. Projects go disproportionately to firms in the biggest cities. So, if you don't want to live in a big city, don't count on working on major buildings.

**8** A corollary of 7: Big projects and big fees go to the biggest offices in big cities. A project that would never require more than 10 people will go to an office with 50 or 100 people.

*Douglas Pegues Harvey*

*Architect Doug Harvey is a TA contributing editor.*

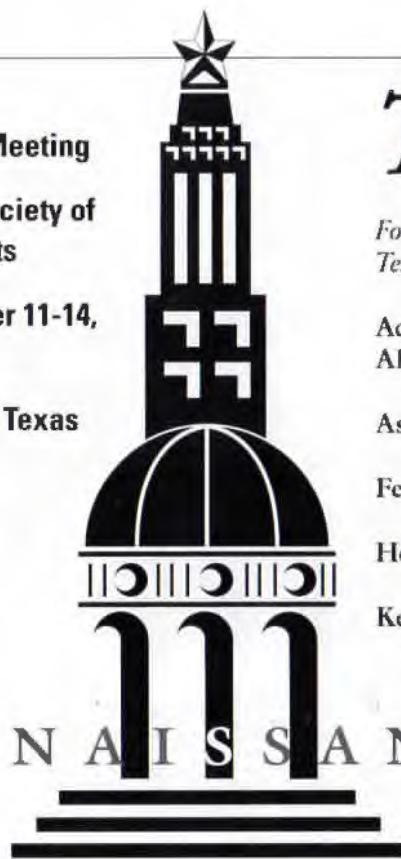


53rd  
Annual Meeting

Texas Society of  
Architects

November 11-14,  
1992

Houston, Texas



# Thank you, sponsors!

*For generous support through event sponsorship, the Texas Society of Architects would like to thank:*

Acme Brick for the sponsorship of the annual breakfast.  
AIA Benefit Insurance Trust for the support of the Opening Night Party  
Association Administrators & Consultants for the sponsorship of the wine at the Presidents' Gala.  
Featherlite Corporation for the sponsorship of the 36th Annual Golf & Tennis Tournaments.  
Herman Miller, Inc. for the sponsorship of the Student Design Competition.  
Kelly-Moore Paint Company for the sponsorship of the Texas Architects Committee Century Club Reception.

*For donating prizes for the TSA Products Exhibition, the Texas Society of Architects would like to thank:*

AIA Convention Department  
B & B Cut Stone, Inc.  
Cold Spring Granite Company  
Devoe & Reynolds  
Fibreworks Corporation  
International Conference of Building Officials  
Southern Building Code Congress International  
St. Joe Brick Works, Inc.  
TGM Associates, Inc.

RENAISSANCE  
AIA TEXAS

*Plan now . . . Join us next year at the 54th TSA Annual Meeting, October 20-23, at the Fort Worth/Tarrant County Convention Center!*



## Miss the Convention?

### Don't miss TSA Professional Programs on Tape!

Twenty-three seminars at the 1992 TSA Annual Meeting have been recorded on audio cassette tapes for your use. Tapes are \$9.00 each. Add \$2.50 per order for postage and handling. Select the tapes you want, then send name, address, number and quantity of each tape, and check or money order to:

AVW Audio Visual, Inc.  
George R. Brown  
Convention Center  
1001 Avenida De Las  
Americas  
Houston, Texas 77010

- ADA Requirements** Randolph Tucker, PE
- Saving Money on Payroll Costs** Thomas O.S. Rand
- Becoming a Trend Watcher** John McMurphy, PhD
- Marketing to Government Clients** Panel
- Opportunities on Value Management** Michael S. Adams, AIA
- Programming/Back to the Basics** Kevin A. Kelly, AIA
- Establishing Credibility over the Competition** Rick Wilcoxon
- Investing for the Long Term**
- The Texas Medical Center Development** Panel
- Opportunities in Eastern Europe** Mary Schulist, Galina Zorina
- Project Management-from the Client's Perspective** Panel
- Fire Protection and Building Code Issues for the '90s** Michael A. Crowley
- Selective Executive Fringe Benefits** Deborah Rose
- Design Awards Round Table** Doss Mabe, AIA
- Total Quality Management** Ed Davis, Chuck Dolce
- Changing Team Structures** Panel
- Alternative Dispute Resolution** Theresa Tilley
- Texas State Capitol Renovation and Expansion** Carolyn Peterson, FAIA; Kirby Keahey, FAIA
- Alternative Career Paths for Architects** Panel
- Building Better Business Solutions** Deborah Rose
- What it Takes to Become an Architect**
- Driving Fear out of the Workplace** Daniel Oestreich
- Trial Strategies for Architects** Alan Fleishacker, AIA

# AIA Trust

Call for  
free  
information  
to save  
on Life  
Insurance  
and  
Major  
Medical  
Plans  
Commended  
by the  
National  
AIA  
1-800-343-2972



The American  
Institute of Architects  
Benefit Insurance Trust

Circle 14 on the reader inquiry card

SURVEY

## School projects honored

**HOUSTON** Sixteen projects were chosen for special recognition from among 43 entries in the 1992 Exhibit of School Architecture competition co-sponsored by the Texas Association of School Boards, the Texas Association of School Administrators, and the Texas Society of Architects.

The Caudill Award for Architectural Excellence was presented to Leon Springs Elementary, Northside ISD, by Marmon Mok.

Honor awards went to Mary Grimes Education Center, Carrollton-Farmers Branch ISD, by John R. Thompson & Partners, Inc.; B.F. Clark Elementary, Spring ISD, and Valley Creek Elementary School, McKinney ISD, both by SHW Group-SHWC, Inc.; and Lamar High School, Houston ISD, by Ray Bailey Architects, Inc.

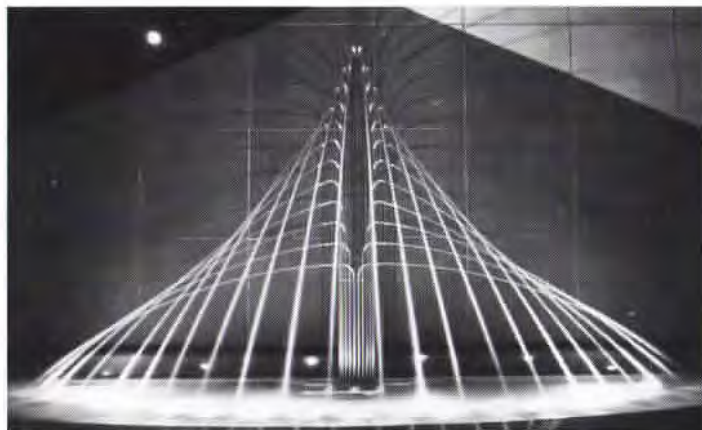
Projects receiving merit awards were Daffron Elementary School, Plano ISD, by Corgan Associates Architects; Best Elementary School, Alief ISD, by PBR Architects, Inc.; Pinkerton Elementary School remodeling, Coppell ISD, and Donald R. Collins Intermediate, Conroe ISD, both by SHW Group-SHWC, Inc.; Azle Junior High School library



**Above: Leon Springs Elementary by Marmon Mok received the 1992**

**TASB/TASA Caudill Award for Architectural Excellence in School Design.**

and addition, Azle ISD, J.M. Farrell, D.V.M., Elementary School, Arlington ISD, Shady Grove Elementary School, Keller ISD, and John D. Spicer Elementary School, Birdville ISD, all by



## WATER ART - AESTHETIC HYDRAULIC

### SERVICES:

- VISUAL DESIGN OF FOUNTAINS OR WATER EFFECTS, INTERIOR/EXTERIOR
- CONSULTATION, TECHNICAL DESIGN OF WATER EQUIPMENT
- RESEARCH & TESTING OF SPECIAL PROBLEMS
- CUSTOM MANUFACTURING

CALL FOR PRESENTATION OF SLIDES, MODELS OR VIDEO IN YOUR OFFICE

**BELIK**  
CREATION

1610 MULCAHY, ROSENBERG, TX 77471  
TEL: (713) 341-7197 FAX (713) 232-9007

For more information, visit us in booth 107 in Houston, or circle 53 on the reader inquiry card



**Above, top to bottom: B.F. Clark Elementary; Mary Grimes Education**

**Center; Valley Creek Elementary; and Lamar High School**

Vestal Loftis Kalista/Architects, Inc.; Heritage Elementary School, Grapevine-Colleyville ISD, by WRA Architects, Inc.; Prototype Elementary School, Houston ISD, by Denny + Wines & Associates; and Meadow Creek Elementary School, Hurst-Euless-Bedford ISD, by Byron Folse Associates, Inc./Architects & Planners.

Jurors were Don Burlison of Burlison Associates; Jerry Clement, F.A.I.A., of 3D/I, Inc.; Dr. Jerry Christian, Midway ISD; and Patti Clapp, TASB past president. All projects entered were displayed at the TASA/TASB convention in Houston, Sept. 26-27, and will be shown at the TSA annual meeting in Houston, Nov. 11-14. *SH*

# CONCRETE PROBLEMS?

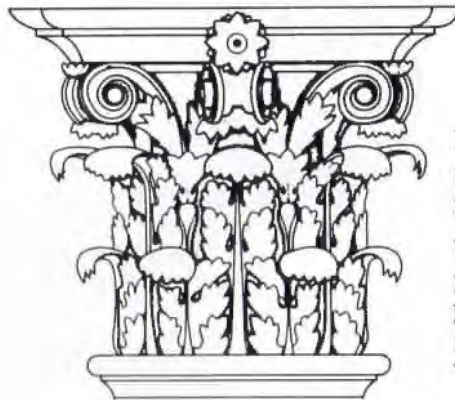
**Need help sealing, coating, staining, or waterproofing your concrete projects?**

Secure Incorporated manufactures a complete line of concrete products that can help you overcome your problem and still keep you within your projected budget. If you need help, give us a call — maybe we can help.

**SECURE INCORPORATED**

1000 Lofland Drive  
Waxahatchie, Texas 75165  
**(214) 937-0800**

Circle 34 on the reader inquiry card



## PRESERVATION PLAN ON IT

Planning on restoring a house, saving a landmark, reviving your neighborhood?

Write:

**National Trust for Historic Preservation  
Department PA  
1785 Massachusetts Ave., N.W.  
Washington, D.C. 20036**

## PRODUCTS AND INFORMATION

**Acme Brick Company, booth 413:** Acme Brick's IBP Glass Block Grid System offers innovative installation, superior performance, and versatile design options. Glass block can now be installed without mortar and can be used in windows, walls, skylights, floors, and doors, as well as in other applications.

*Circle 22 on the reader inquiry card*



**All Pan, Inc., booth 349:** All Pan, Inc., specializes in custom-ordered, uniquely engineered wood roof and floor trusses and all sizes of laminated beams for commercial and residential construction.

*Circle 28 on the reader inquiry card*

**Allied Plywood Corporation, booth 418:** Allied Plywood Corporation will display specialty plywood and board products including Baltic birch, fire-rated plywood and particle board, water-proof fiberboard, and formaldehyde-free fiberboard.

*Circle 57 on the reader inquiry card*

**American Institute of Architects, booth 236:** The American Institute of Architects is promoting attendance at the International Union of Architects XVIIIth World Congress to be hosted by the 1993 AIA National Convention and WorldExpo93 in Chicago, June 18-21, 1993.

*Circle 58 on the reader inquiry card*

**American Olean, booth 429:** American Olean will feature new product lines in ceramic wall and floor tiles.

*Circle 61 on the reader inquiry card*

**Apple Computer, Inc., booth 223:** Apple Computer, Inc., will demonstrate the Macintosh computer and its integration into the architectural environment, including demonstrations of the most popular architecture and design software, including AutoCAD, ArchiCAD, Microstation MAC, and Architron. Apple will feature the DOS Challenge, demonstrating how the Macintosh, with its power and ease of use, can extend the functionality of existing DOS files.

*Circle 27 on the reader inquiry card*

**Austile, booth 433:** Altusa clay tiles are made of everlasting vitrified clay (stoneware), so they are not only ecologically correct, they will not wear, decay, burn, or need painting. Altusa clay tiles are available in "S," barrel, or flat shapes.

*Circle 69 on the reader inquiry card*

**B and B Cut Stone Co., Inc., booth 422:** B and B Cut Stone Co., Inc., is a fabricator of natural stone, including limestone, marble, slate, and granite.

*Circle 71 on the reader inquiry card*

**Belik Creation Water Art, booth 107:** Belik Creation Water Art manufactures custom-designed water sculptures, often featuring downward-shooting streams of water, thus overcoming many of the limitations of conventional fountains and providing new ways of incorporating water in both interiors and exteriors.

*Circle 53 on the reader inquiry card*

**Black Millwork Company, booth 136:** Black Millwork Company distributes Andersen windows and patio doors in Texas. Andersen has made high-quality windows and doors that meet the requirements of architectural design for more than 85 years. Black Millwork can provide assistance, technical data, and product support for projects using Andersen windows and patio doors.

*Circle 20 on the reader inquiry card*

**Blue Ridge Carpet Mills, booth 249:** Blue Ridge Carpet Mills is a manufacturer of commercial carpet, including level loops, cut piles, and graphic designs, all suited for particular purposes in the contract market.

*Circle 72 on the reader inquiry card*

**Boral Bricks, Henderson Division, booth 528:** Henderson Division of Boral Bricks is a manufacturer of quality face brick. In conjunction with other Boral plants, Henderson Brick offers a range of services and products in a variety of colors, sizes, shapes, and textures for architectural applications.

*Circle 46 on the reader inquiry card*

**Bowman Tile/Bowman Supply, booth 207:** Bowman Tile is a distributor and importer of ceramic tiles, marbles, and related goods for commercial and residential projects including products from Fianre Porcelain, Buchtal, U.S. Ceramics, C-Cure, Latierete, Latco, Interceramics, and Laufen. Bowman Supply is the master wholesale distributor of Tarkett V.C.T. and sheet vinyl products, and rubber and vinyl accessories.

*Circle 39 on the reader inquiry card*



**Brooks Duplicator Co., booth 222:** Brooks Duplicator Company serves the architectural and engineering markets with a line of lettering systems used to annotate drawings, to label story boards and models, and to provide a simple way to match CAD plot lettering for revisions without replotting.

*Circle 73 on the reader inquiry card*

**Carter Holt Harvey Roofing USA, Inc., booths 323, 325:** Proven around the world for 35 years,

Decrabond lightweight roofing systems combine the strength of steel and the beauty of natural stone to provide an attractive, durable roof for residential and commercial applications. As a compliment to the Decrabond "tile" profile, Corona Crown is being introduced in 1992 as a cedar shake replication. Both systems provide security against wind, rain, and fire.

*Circle 35 on the reader inquiry card*

**Celotex, booth 226:** Celotex will exhibit residential roofing products; commercial roofing products including built-up, modified bitumen, Hy-Therm AP roof insulation, and fiberboard roof insulation; architectural ceilings; Thermax, Tuff-R, and Quick-R sheathing; and Flexcell concrete expansion joint.

*Circle 38 on the reader inquiry card*

**Clark & Shuck Associates, Inc., booth 307:** Clark & Shuck Associates distributes architectural wood doors from the Maiman Company; toilet partitions from Sanatec; architectural-grade wood doors from Southwood Door; architectural-finish and custom door hardware from Builders Brass Works; access for the handicapped from Door Aid; and exit alarms, locks, and entries with keypad controls from Alarm Lock.

*Circle 75 on the reader inquiry card*

**Cold Spring Granite Company, booth 109:** Cold Spring Granite Company is a full-service supplier of domestically quarried granite for building facing (interior and exterior), paving, landscape areas, and industrial uses, including both slabs and thin tile.

*Circle 26 on the reader inquiry card*

**The Conrad Company/DuPont Corian®, booths 401, 500:** DuPont's Corian®, a patented blend of natural minerals and high-performance acrylics, combines the elegance of marble and the permanence of stone, and is easily repairable. With 25 years of proven performance, Corian has been specified and used successfully in a wide range of new construction and remodeling projects.

*Circle 16 on the reader inquiry card*

**Devoe & Reynolds, booth 205:** Mirrolac-WB™ from Devoe & Reynolds is a premium quality, waterborne acrylic enamel paint that combines the high gloss, hardness, adhesion, flow/leveling, and durability of alkyd enamels with the non-yellowing, low odor, color retention, fast dry, flexibility, and water clean-up of latex enamels.

*Circle 133 on the reader inquiry card*

**Enduro Fabric Awnings, booth 427:** Enduro Fabric Awnings designs, manufactures, and installs fabric awnings, signage, and shade systems nationwide, and specializes in illuminated awnings and signage.

*Circle 74 on the reader inquiry card*

**Featherlite Building Products Corporation, booths 524, 544:** Featherlite Building Products Corporation is a leading manufacturer of concrete masonry units in various sizes, textures, and colors, including Astra-Glaze burnished masonry units,

**The companies listed in "Products and Information" are exhibitors in the 53rd Annual TSA Design Ideas & Products Exposition in Houston, Nov. 13-14.**

Texas Quarries limestone, and the new mortarless Stonewall Retaining Wall Systems.

*Circle 6 on the reader inquiry card*

**Fibreworks Corporation, booth 225:** Fibreworks sisal wallcovering is an elegant covering for any wall and a practical covering for problem surfaces such as concrete block. Sisal is economical to install, anti-static, sound absorbent, and virtually indestructible.

*Circle 76 on the reader inquiry card*

**Fire Safe Construction Products, booth 309:** Fire Safe Construction Products is the distributor for three major through-penetration firestop manufacturers: Dow Corning, G.E., and S.T.L. Spec Seal.

*Circle 77 on the reader inquiry card*



**Formica Corporation, booth 523:** Sinks made of Surell solid-surfacing material from Formica Corporation have a deep, efficient bowl and tapered rims for a streamlined look. The Surell surface, solid through and through, allows stains to be easily removed and scratches to be repaired in an instant.

*Circle 30 on the reader inquiry card*

**Fry-Reglet Corporation, booth 311:** Fry-Reglet will introduce the Fry CADalog, its first electronic catalogue. Specifications and detail drawings can be viewed on screen and printed or exported to CAD and word processing software for fast, accurate, and easy inclusion in project documents.

*Circle 78 on the reader inquiry card*

**Gerard Roofing Technologies, booth 340:** Gerard stone-coated steel tile and shake panels are lightweight and durable. They will not crack or break and can withstand hurricane-force winds, as well as torrential rain and hail. Gerard panels are available in a wide range of solid colors and Mediterranean blends.

*Circle 115 on the reader inquiry card*

**The Glidden Company, booth 111:** Glidden Lifemaster 2000 interior latex paint is the first conventional paint in the U.S. that does not contain petroleum-base solvents. Lifemaster 2000 is virtually odor free, handles as easily as conventional paints, and provides superior coverage, durability, and moisture resistance.

*Circle 140 on the reader inquiry card*

**Housewrap Distributors, booth 729:** Tyvek Housewrap is a spunbonded olefin sheet that is wrapped around a house, under the siding, to seal seams and cracks in the sheathing and at the soleplates, thus making homes more comfortable in both cold and warm weather.

*Circle 84 on the reader inquiry card*

**Houston Chapter, Associated General Contractors, booth 512:** The Houston Chapter/Associated General Contractors of America, Inc., founded in 1923, serves firms in the commercial building construction industry. The association functions as a resource to the industry, serving all parties involved in the construction process.

*Circle 85 on the reader inquiry card*

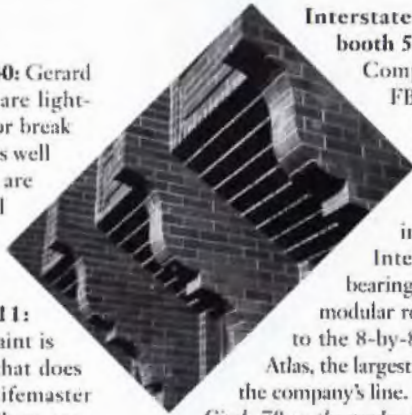
**Houston Laminates & Specialties, Inc., booth 405:** Houston Laminates will display Laminart; Hettich/Grant slides and hardware; Hera halogen lighting; and Renmar solid surface.

*Circle 49 on the reader inquiry card*



**International Conference of Building Officials, booth 510:** ICBO publishes the *Uniform Building Code*™, the *Uniform Mechanical Code*™, and the *Uniform Code for the Abatement of Dangerous Buildings*, and co-publishes the *Uniform Fire Code*™ and the *Uniform Plumbing Code*™, as well as numerous educational publications to aid in the use of the Uniform family of codes.

*Circle 88 on the reader inquiry card*



**Interstate Brick Company, booth 548:** Interstate Brick Company manufactures

FBX and HBX quality brick. FBX brick is available in modular sizes up to the 4-by-8-by-16-inch Super Emperor. Interstate's HBX load-bearing brick is available in modular reinforceable sizes up to the 8-by-8-by-16-inch Super Atlas, the largest clay masonry unit in the company's line.

*Circle 79 on the reader inquiry card*

**Kreonite, Inc., booth 612:** Kreonite, Inc. will exhibit a wheelchair-accessible, automatic darkroom door; a temperature-controlled processing unit with air circulation; and ADA and EPA data for photo and graphic facilities.

*Circle 90 on the reader inquiry card*

**LFI/Landscape Forms—Collier & Company, booth 728:** LFI/Landscape Forms—Collier & Company will display metal site furniture for out-



door and/or corporate use.

*Circle 91 on the reader inquiry card*

**Lifetile—Texas, booth 519:** Lifetile—Texas will exhibit its fire-safe roofing products with the concrete advantage including Sentry Classic™ tile, Super-Shake™ tile, SierraShake™ tile, and the California Series Blended Shingle Tile.

*Circle 92 on the reader inquiry card*

**List Industries, Inc., booth 121:** List Industries will display corridor and athletic lockers, locker room benches, and tenant-storage lockers.

*Circle 93 on the reader inquiry card*

**Martin Energy Products, Inc., booth 201:** Martin Energy Products

manufactures Llumar Solar Control Window Film products. These products reduce solar heat gain, thereby reducing energy consumption.

*Circle 95 on the reader inquiry card*



**Mesquite Products of Texas, Inc., booth 234:** Mesquite Products of Texas, Inc., will feature samples of mesquite flooring in a variety of patterns, and custom furniture, handcrafted by woodworkers at the mill in Bulverde.

*Circle 97 on the reader inquiry card*

**Modernfold, Inc., booth 428:** Modernfold is a leading manufacturer of operable walls and accordion-door products. The company's specialty is flexible space division with a high degree of sound control. Its demountable wall system, Spacesetter III, is 100-percent reusable, and eliminates delay, dust, and debris.

*Circle 98 on the reader inquiry card*

**Molded Fiber Glass, booth 139:** Molded Fiber Glass will display custom-molded fiber glass

ornamentation, such as cornices, columns, railings, and domes for new structures, restoration, and renovation projects, and a line of fiber glass forms for cast-in-place concrete, available for sale or for rent.

*Circle 63 on the reader inquiry card*



**Monarch Paint Co., booth 227:** Monarch Paint Company will display information on the company's premium-quality industrial enamels, elastomeric coatings, block filler, primers, sealants, varnishes, and other products. Monarch is also introducing the complete line of DuPont's high-performance coatings. *Circle 189 on the reader inquiry card*

**NANA Windows & Doors, booth 407:** The Opening Glass Wall from NANA Windows &

Doors is a bifolding interior or exterior door system that makes possible an unobstructed opening of up to 16 feet 4 inches wide and 8 feet high. Outswing doors and screens are available. *Circle 190 on the reader inquiry card*

**Nawkaw Southwest, booth 441:** Nawkaw is a leader in masonry restoration and corrective brick and mortar color treatment. The masonry treatment developed by Nawkaw over the past 20 years may be

used on the exterior or interior of buildings. *Circle 191 on the reader inquiry card*

**OMC Industries, Inc., booth 219:** OMC Industries will exhibit cast bronze and aluminum signage, plaques, letters, and logos, and customized decorative architectural details. OMC can produce one only or maintain patterns for duplicate reproductions. *Circle 192 on the reader inquiry card*



**Panel Specialists, Inc., booth 618:** Wall panel systems from Panel Specialists, Inc., are clad in high-pressure laminate surfacing to offer permanent decorative paneling that is flexible and durable. These attractive, low-maintenance wall systems are ideal for commercial, contract, and institutional applications. *Circle 33 on the reader inquiry card*

**Parsec, Inc., booths 615, 714:** The Retrofect Panels of Parsec's Thermo-Brite System are used in roof systems to lower air-conditioning tonnage. The highly reflective panels with Parsec's film on both sides come in stock and custom sizes. *Circle 37 on the reader inquiry card*

**Paul E. Allen Co., Inc., booth 439:** Representing leading architectural site-furnishings manufacturers since 1960, Paul E. Allen Co., offers site furnishings for high-use urban and commercial installations. Custom-design service is available along with standard designs in cast concrete, hardwoods, cast iron, and patterned steel. *Circle 193 on the reader inquiry card*

**Paverlock of Texas, booth 515:** Paverlock of Texas, Houston's only local manufacturer of interlocking concrete pavers, produces more than 150 different concrete products, including the Allan block modular retaining-wall system. *Circle 194 on the reader inquiry card*

**Pavestone Company, booth 300:** With over 11 years experience in concrete fabrication, design, and manufacturing, Pavestone Company has built a reputation for quality, durability, and technical expertise in the field of modular paving and walls. *Circle 17 on the reader inquiry card*

**Pavex, Inc., booth 403:** Pavex offers concrete pavers in elegant colors, textures such as the smooth homogenous Durafinish or the bush-hammered Corsofinish, and shapes like the rustic Duracobble, the architectural Plaza or Quadro



**Stephen D. Sprowls, CPCU**  
**President**



**PROFESSIONAL LINES**  
**UNDERWRITING SPECIALISTS, INC.**

**Continuing professional advice and support to help you manage the risks associated with your profession. Providing more than 15 years of experience, combining liability insurance and knowledge of the practice of architecture. Serving as TSA's source for professional liability insurance through responsive insurers, including the DesignPLUS London Slip.**

**Professional Lines Underwriting Specialists, Inc.**  
4201 Bee Caves Road, Suite C-202  
Austin, Texas 78746

(512) 328-8395 1 (800) 880-1019  
Fax (512) 328-8121

For more information, visit us in booth 241 in Houston, or circle 12 on the reader inquiry card

**The companies listed in "Products and Information" are exhibitors in the 53rd Annual TSA Design Ideas & Products Exposition in Houston, Nov. 13-14.**

lines, and many more.

*Circle 195 on the reader inquiry card*

**Perdue Acoustics, booth 410:** Perdue Acoustics is the first company to offer acoustic panels and baffles with a core of rock wool, thus providing superior NRC's, fire rating, and durability. Perdue's environmentally sensitive product line is preferred for government contracts. *Circle 151 on the reader inquiry card*

**Pioneer Plastics Corporation, booth 321:** Pioneer Plastics, manufacturers of Pionite Decorative Laminates, will feature 26 patterns, wood grains, colors, and pearlescent laminates included in its product line. *Circle 152 on the reader inquiry card*

**PLUS, Inc., booth 241:** PLUS, Inc., has served as the 'Texas Society of Architects' commended source of professional liability information and insurance since 1981. PLUS combines liability-insurance expertise and knowledge of architectural practice to serve TSA members through a number of insurers. *Circle 12 on the reader inquiry card*

**Pohl, Inc., booths 337, 339, 436, 438:** Pohl is one of the world's largest fabricators of custom-designed aluminum and stainless steel metal cladding systems for architectural building facades. Pohl's exterior wall systems are designed to the rain-screen principle of a drained and back-ventilated wall design. *Circle 64 on the reader inquiry card*

**Ragland Manufacturing Company, booths 127, 129:** New products to be displayed by Ragland Manufacturing include radius frame and sidelites; offset glazing with recessed miniblind pocket; a stile-and-rail glass door that will accept a cylindrical and mortise lockset; and pre-glazed borrowed lites and sidelites. *Circle 153 on the reader inquiry card*



**Red Suspenders Timber Frames, booth 350:** Since 1938, Red Suspenders Timber Frames has been crafting heavy timber structures using traditional wooden joinery. These timber frames provide an opportunity for structure and finish detail unsurpassed in wood construction. All frames are custom designed, engineered, and crafted. *Circle 154 on the reader inquiry card*

**Ridgway's, Inc., booths 117, 119:** Ridgway's is the largest reprographics company in the U.S. With 56 centers in 26 cities, Ridgway's provides the largest

variety of reprographic services, ranging from Diazo and Xerographic services to digital imaging and Ridgway's own Document Management System. *Circle 155 on the reader inquiry card*

**The Roof Tile and Slate Company, booth 318:** The Roof Tile and Slate Company distributes roofing slate and clay roofing tiles nationwide. With more than 35 years of experience, the Roof Tile and Slate Company

## MONUMENTAL SCULPTURE



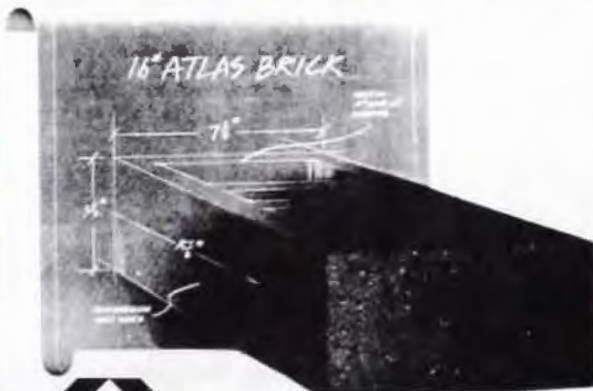
Scott Myers creates figurative sculpture in the realist tradition. Scott is now accepting life-size and monumental commissions for both private and corporate architectural projects.

### Scott Myers Studio

1120 Hwy 4 South • Granbury, Texas 76049 • (817)579-5512

*Circle 52 on the reader inquiry card*

## 16" ATLAS™ BRICK.



### DESCRIPTION.

- Atlas Brick is Interstates High-Fired, Burned Clay, Hollow Load Bearing Brick.

### ADVANTAGES.

- High masonry strengths for stronger, safer walls.
- Economical because it provides an architectural finish as well as supporting the structure.
- Low Maintenance.
- High Fire Resistance
- Improved colors and textures provides the permanent beauty and warmth of brick construction.

Commercial/Residential Divisions  
(801) 799-1951  
Out of State WATS (800) 233-8654  
In State WATS (800) 233-1244  
9780 South 5200 West  
West Jordan, Utah 84088



**INTERSTATE BRICK**  
Nothing Else Stacks Up

For more information, visit us in booth 548 in Houston, or circle 79 on the reader inquiry card

is the largest supplier of slate and used Ludowici roofing tiles in the South and Southwest.

*Circle 156 on the reader inquiry card*

**Roppe Corporation, booth 245:** Roppe Corporation will display rubber and vinyl cove base, stair treads, accessories, and rubber tile.

*Circle 157 on the reader inquiry card*

**San Jacinto Materials, booth 614:** San Jacinto Materials specializes in stone sales, fabrication, and carving, emphasizing artistry, engineering, and craftsmanship.

*Circle 158 on the reader inquiry card*

**SieMatic Corporation, booth 620:** SieMatic Corporation has been a world leader in kitchen design and manufacturing since its founding in Germany generations ago and continues to set the pace for innovative kitchens of the highest quality.

*Circle 31 on the reader inquiry card*

**Southern Building Code Congress International, Inc., booth 523:** SBCCI's Standard Search™ program provides the entire text, including illustrations, of the 1991 Standard Building Code® on PC-compatible diskettes. Standard Search™ helps locate code sections through a comprehensive word search program.

*Circle 29 on the reader inquiry card*

**St. Joe Brick Works, Inc., booth 426:** St. Joe Brick Works, Inc., manufactures a wood-molded, colonial-style brick featuring sanded, smooth faces and ends that soften the range of colors offered; these colors include pastels, browns, beiges, and pinks.

*Circle 159 on the reader inquiry card*

**State Glass & Mirror, Inc., booth 218:** State Glass & Mirror, Inc., is a distributor, dealer, and installer of aluminum storefront, entrances, and curtainwall, glass and glazing, security glass, and security framing systems.

*Circle 160 on the reader inquiry card*

**Stone Marketing International, booth 431:** Stone Marketing International will exhibit Empress Dark Green slab and tile from Taiwan, black granite from India and China, and Black Galaxy from India.

*Circle 161 on the reader inquiry card*



**Structural Glass, Inc., booths 123, 125:** Structural Glass, Inc., manufactures formed doors, balanced doors, clad aluminum doors, and glass doors. Formed doors are made of stainless steel and muntz

metal in bright, satin, and brushed finishes.

*Circle 24 on the reader inquiry card*

**Summitville Houston, booth 203:** Summitville is a leading producer of quarry tile, glazed mosaic tile, impervious glazed porcelain pavers, and new tactile tread tile. Also, Summitville is the only tile manufacturer that makes its own grouts, mortars, epoxies, and furan.

*Circle 162 on the reader inquiry card*

**Tectum Inc., booth 310:** Tectum Inc., will exhibit structural acoustical roof decks and acoustical wall panels with or without fabric. The panels are tackable, decorative, acoustical, and abuse-resistant.

*Circle 163 on the reader inquiry card*



**Temple-Inland Forest Products Corporation, booth 228:** Temple-Inland Forest Products Corporation will exhibit Southern pine dimension and structural lumber, which offers strength, durability, and economy.

*Circle 164 on the reader inquiry card*

**Texas Kiln Products, booth 549:** Texas Kiln Products is a full-service custom mill devoted to using and promoting native Texas woods, including mesquite, Texas pecan, Texas and tidewater red cypress, live oak and other figured oaks, and many others.

*Circle 106 on the reader inquiry card*

**Tex-Lam Manufacturing, Inc., booth 514:** Tex-Lam is a manufacturer of plastic-laminated and solid-phenolic-core toilet partitions and is a distributor of washroom accessories and handicap grab bars.

*Circle 51 on the reader inquiry card*

**Texas Marking Products, Inc., booth 216:** Texas Marking Products, Inc., manufactures custom rubber stamps, self-inking stamps and daters, stamp pads, and stamp inks. The company's own brand of pre-inked stamps, the SoftStroke, makes thousands of impressions without using a stamp pad.

*Circle 165 on the reader inquiry card*

**TGM Associates, Inc., booth 534:** TGM Associates will display marbles, travertines, and granite slabs imported from around the world, as well as pattern floor mock-ups and examples of finished work.

*Circle 42 on the reader inquiry card*

**Thoro System Products, booth 449:** Thoro System Products manufactures protective and decorative coat-

ings for the new construction and restoration markets, as well as patching products for horizontal and vertical applications, underlayments, highly industrial polyurethane flooring systems, EIFS products, and structural repair products for concrete. Thoro will exhibit its new product line, Granstone, an exterior/interior sprayed finish giving the look of granite.

*Circle 60 on the reader inquiry card*

**U.S. Intec, Inc., booth 335:** U.S. Intec offers a total system of modified bitumen for APP and SBS. Combined with Intec/Permaglas B.W.R., this forms the roof of the future.

*Circle 113 on the reader inquiry card*

**Upchurch/Kimbrough Company, booth 344:** Upchurch/Kimbrough Company offers a complete line of face brick, structural glazed tile, and glazed brick, and represents manufacturers of glass block, mortar color, and masonry-unit cleaner.

*Circle 116 on the reader inquiry card*

**Wagner & Company/Medfile, booth 622:** Wagner & Company distributes Medfile office and laboratory furniture, which features high-pressure laminate doors and drawers, an easy-access leg-leveling system, and a fully adjustable hanging rail system so cabinets can be easily removed and relocated.

*Circle 31 on the reader inquiry card*

**Wenco of Texas, booth 516:** Wenco of Texas is a full-line manufacturer of wood, wood-clad, and vinyl windows and patio doors.

*Circle 68 on the reader inquiry card*

**Western Wood Products Association, booth 450:** The Western Wood Products Association, representing softwood lumber manufacturers in the twelve Western states, is a third-party source of non-proprietary information regarding design values, spans, dimensional stability, wood frame design, etc.

*Circle 119 on the reader inquiry card*

**What Its Worth, booth 328:** What Its Worth manufactures flooring from 19th-century yellow pine timbers and from cypress cut from sunken sawlogs salvaged from southern Louisiana waterways.

*Circle 54 on the reader inquiry card*

**William Bayley Company, booth 319:** The William Bayley Company will exhibit stainless steel projected windows (also available in casement) especially suited for humid climates or industrial air atmospheres.

*Circle 120 on the reader inquiry card*

**Wilsonart®-Ralph Wilson Plastics Co., booth 526:** Surface Synergy is Ralph Wilson Plastics commitment to coordinating its Wilsonart® surfacing products, from Gibraltar® solid surfacing, Craftwood tinted veneers, Tambours, and Perma-Edge Molding, to a full-color palette of decorative laminates. All of these products can be used together to achieve design and color coordination.

*Circle 1 on the reader inquiry card*



# Resources

## Texas Stretto House, pp. 36-37

**Concrete masonry units:** Featherlite Building Products, Inc.; **Limestone pavers and copings:** Leander Cut Stone, Inc.; **Steel windows:** Hope's Architectural Products, Inc.; **Exterior aluminum skin:** Offenhauser (custom); **Flat roofs:** Carlisle Syntec Systems; **Glass block skylights:** Circle Redmont; **Exterior plaster:** H.B. Fuller Company; **Ceramic tile:** Dal-Tile; **Carpet:** Carpet Innovations; **Finish hardware:** Schlage; **Plumbing fixtures:** American Standard, Speakman; **Shower enclosures:** Ketchum; **Air conditioning chiller:** Carrier.

## El Tule, pp. 38-39

**Windows:** Marvin; **Other materials:** manufactured on site.

## Clistercian Chapel, pp. 40-41

**Stone:** American Limestone Co., installation by Metro Masonry Erectors; **Roof copper shingles:** Berridge; **Glue-laminated beams:** Krederman (fir beams); **Cast glass tiles:** Heritage Glass, installation by Livingston Glass; **Sand-blasted glass and lights in operable frames:** Livingston Glass; **Lighting:** custom designed and fabricated by Pam Wilson and David Sines; **Paint:** Glidden; **Air-conditioning equipment:** Trane; **Hydronic floor-heating system:** Wirsho; **Front doors:** custom, by Vaughn Shadle; **Pews:** custom (baltic birch), by Vaughn Shadle, The Wood Gallery, David Carapetian, Russ Buchanan, The Cutting Board, Craig Kinable, Gary Cunningham, FAIA; **Tiltwall concrete:** Omega Concrete; **Bronze work:** David Sines; **Tabernacle doors:** Billy Hassel

## Hutchings-Sealy Building, pp. 42-43

**Terra-cotta replication:** Boston Valley Pottery, Hamburg, N.Y.; **Chemical damp course:** Pro-Si-Co, Kansas City, Kan.; **Exterior finish system:** Dryvit; **Glass railing:** Blumcraft; **Locksets:** Sargent; **Ceramic tile:** American Olean; **Paint:** Devco; **Drywall and plaster:** United States Gypsum Company; **Elevator:** Schindler (Westinghouse); **Plumbing fixtures:** Kohler; **HVAC:** Carrier; **Spiral ducts:** GraCompany

## Tower City, pp. 44-45

**Skylight (retail mall):** Metec Skylight Specialties, Inc., Gardena, Calif.; **Skylights (hotel):** Super Sky Products, Mequon, Wis.; **Lighting (retail mall):** Winona Industries, Inc., Winona, Minn.; **Exterior lighting (hotel and office tower):** Creative Light Source, Las Vegas, Nev.; **Windows and storefronts:** Vistawall Architectural Products, Terrell; **Glass:** Viracon, Inc., Owatonna, Minn.; **Architectural precast:** Modern Mosaic, Ltd., Niagara Falls, Ontario, Canada; **GFRG:** Custom Castings, Fort Worth; **Handrails:** Ornamental Ironworks, Ohio; **Terrazzo:** Roman Mosaic and Tile Company, Westchester, Penn.; **Millwork:** Nagele Manufacturing, Cleveland, Ohio; **Marble and granite:** Calicchia Stone and Marble, Cleveland, Ohio; **Escalators:** Otis Elevator Company, Farmington, Conn.; **Elevators (retail mall and hotel):** Dover Elevator Systems, Inc., New York, N.Y.; **Elevators (office tower):** Schindler Elevator Corporation, Morristown, N.J.

## Austin Convention Center, pp. 46-47

**Exterior granite (Dakota Mahogany thermal finish):** Acti Trading; **Cut limestone:** Leander Cut Stone, Cedar Park; **Brick (Giant Norman):** Endicott Clay Products Co., Fairbury, Neb.; **Metal panels:** Pohl, Köln, Germany; **Metal shingles (Kynar-coated):** Berridge Manufacturing Co., Houston; **Concrete masonry units:** Featherlite Building Products, Round Rock; **Window-wall framing:**

Atlas Architectural Products, Dallas; **Window-wall glazing:** Guardian Industries, Carleton, Mich.; **Gypsum board:** US Gypsum; **Wood custom paneling:** Out of the Woods, Austin; **Fabric panels:** Decoustics, Tonawanda, N.Y., with fabric from Rancoeas, Burlington, N.J.; **Ceramic tile (glazed wall tile):** Dal-Tile, Dallas; **Windows (hollow metal):** Door Pro Systems, Inc., Houston; **Glazing:** Guardian Industries, Carleton, Mich.; **Skylights (double glazed):** Bristolite, Santa Anita, Calif.; **Entrance doors:** Atlas Architectural Products, Dallas; **Interior doors:** Door Pro Systems, Inc., Houston; **Overhead (rolling) doors:** Overhead Door Corp., Oshkosh, Wis.; **Folding doors:** Won-Door Corp., Salt Lake City, Utah; **Exterior paving (precast concrete bricks):** Pavex; **Interior carpet:** Karastan-Bigelow, Dallas; **Granite floors:** Acti Trading; **Resilient flooring (vinyl tile):** Amtico, Lawrenceville, N.J.; **Flooring epoxy polymer:** Crossfield Products Corp., Compton, Calif.; **Unglazed mosaic tile flooring:** American Olean, Olean, N.Y., and Dal-Tile, Dallas; **Ceiling fabric panels:** Decoustics, Etobicoke, Canada, with fabric from Rancoeas, Burlington, N.J.; **Ceiling suspension system:** Donn USG, Chicago, Ill.; **Vinyl-coated acoustical tile:** Armstrong; **Metal-faced acoustical tile:** USG Interiors; **Roofing (modified bitumen):** Tamko, Joplin, Mo.; **Roofing (stainless steel):** Port Enterprises, Port Lavaca; **Sealants:** Sonneborn, Minneapolis, Minn.; Pecora, Harleysville, Penn.; and Tremco, Beachwood, Ohio; **Flamestop putty:** Flame Stop, Inc., Roanoke; **Water repellants:** Neogard, Dallas; **Foundation waterproofing:** Thoro System Products, Inc., Miami, Fla.; **Rigid insulation:** Rmax, Inc., Dallas, and Dow Chemical Co., Midland, Mich.; **Batt insulation:** Guardian Fiberglass, Inc., Albion, Mich.; **Stationary partitions:** Featherlite, Round Rock (CMU); Dietrich Industries, Pittsburgh, Penn. (metal studs); and US Gypsum, Chicago, Ill. (gypsum board); **Movable partitions:** Hufcor, Inc., Janesville, Wis.; **Elevators:** Montgomery, Moline, Ill.; **Escalators:** Montgomery; **Handrails:** Tips Iron and Steel, Austin; **Landscape lighting:** Greenlee; **Facade lighting:** Hydrel; **Walkway lighting:** Devine, Lithonia, Ga.; **Plumbing fixtures:** Kohler, Kohler, Wis.; **Faucets:** Speakman, Wilmington, Del.; **Flush valves:** Sloan, Franklin Park, Ill.; **Washroom accessories:** American Specialties, Inc., Yonkers, N.Y.

## Addison Conference Center, pp. 48-49

**Burnished concrete masonry units:** Featherlite; **Glazed brick:** Elgin Butler; **Brick (red):** Boral; **Brick (plaza):** Acme; **Glazing:** Stanlock, USG Aluminum Flushglaze; **Hardware:** Rixson, LCN, Stanley, Ives, Normbau, Arrow, Hiawatha; **Glue-laminated beams:** Timberweld fir beams; **Roof decking:** Potlatch pine deck; **Roofing:** Mansville fiberglass; **Lighting:** Kim, Kurt Verson, LSI, Hubbell, Lightolier, Greenlee; **Paint:** Glidden; **Lavatory trim:** Speakman; **Air-conditioning equipment:** Trane; **Concrete:** Beeler, Sika; **Chairs:** Kruger, Perry; **Tables:** Prototype Furniture

## Harris Adacom Tech Center, pp. 50-51

**Paint:** Anchor Paint; **Mechanical ducts:** Mechanical Interior, Inc., Dallas; **Industrial lighting:** General Electric; **Door hardware:** Yale Security, Inc.

## Bank One Cleveland, pp. 52-53

**Millwork:** Nagele, Cleveland, Ohio; **Seating:** Keilhauer, Toronto, Alberta, Canada; HBF, Hickory, N.C.; and Bernhardt, Lenoir, N.C.; **Tables:** Atelier International, Plainview, N.Y.; Studio Steel, Seattle, Wash.; Intrex Furniture, Harrison, N.Y.; and Tuohy, Chatfield, Minn.; **Light-**

**ing:** Atelier International, Plainview, N.Y.; Lightolier, Seacaucus, N.J.; **Carpet:** Bently, City of Industry, Calif.; **Special paint finishes:** Sam Savage, Galveston

## Dallas Chapter/AIA Offices, pp. 54-55

**Flooring:** American Terrazzo Company (terrazzo), Carpet Services (carpet tiles at work and resource areas), Superior Carpet (conference room, exhibit area, executive director's office); **Lighting:** Architectural Lighting Associates, Zumtobel lighting, Winona Lighting (bathroom fixture); EFP Electrical Contractors (gallery lighting installation); Johansen Lighting Sales (Poulsen fixtures); Titus Products Division of Philips Industries (diffusers); **Doors:** Amarlite Architectural Products (framing for sliding door); The Billings Corp. (door hardware); Dallas Door and Supply Company (doors); Piper-Weatherford (metal door frames); **Ceiling:** Armstrong World Industries (ceiling suspension system); **Finishes:** Arrow Metals (aluminum sheet and pipes); Central Distributors (lumber for cabinets and reception desks); Dallas Door and Supply Company (desktops); Wilsonart, Ralph Wilson Plastics Co. (plastic laminate); Dal-Tile Corp. (ceramic tile); Elward-Nolan (Alucobond column covers); Fry Reglet Corp. (aluminum bases and reception work-station trim); Jones-Blair, (paint); **Plumbing fixtures:** TKO Associates (sink, fitting, accessories); **Building materials:** Trinity Industries Steel Division (structural steel); Payless Cashways (plywood); Featherlite Building Products Corp. (concrete masonry units); **Millwork:** TexMar

## A. Frank Smith Memorial Library, pp. 56-57

**First floor slab:** Baker Concrete; **Structural steel framing:** General Erectors; **Roof:** A.R.M. of Texas; **Exterior walls:** Hoggatt, Inc.; **Concrete masonry units:** Hoggatt, Inc.; **Windows:** Pella Windows; **Interior walls:** Texas Interior Construction, Inc.; **Travertine flooring:** Central Tile Terrazzo; **Carpet:** Gilson Stanley Floor Covering; **Vinyl composition tile:** Gilson Stanley Floor Covering; **Elevator:** Dover Elevator

## Coates University Center, pp. 58-59

**Face brick:** Acme Brick Company; **Aluminum doors:** Samuels Glass Company; **Glazing:** PPG; **Hardware:** Sargent; **Plumbing fixtures:** Kohler; **HVAC equipment:** Trane; **Elevator:** Omni Lifts, Inc.; **Skylights:** United Sky, Inc.; **Terrazzo flooring:** Venice Art Terrazzo Company; **Carpet:** J&J Industries, Designweave; **Vinyl composition tile:** Kentile, Armstrong; **Acoustic ceilings:** Steel Ceilings, Inc., Armstrong; **Movable partitions:** Panelfold

## Eve France, pp. 60-61

**Paint:** Devco.

## Mission Bend Transit Center Park and Ride, pp. 62-63

**Space frame:** Mero Structures, Inc., Germantown, Wis.; **Translucent fabric skylight:** O. C. Birdair, Amherst, N.Y.; **Composite aluminum fascia panels:** Mitsubishi Kasei America, Inc., Chesapeake, Va.; **Curved metal roofing:** Berridge Manufacturing Company, Houston; **Single-ply roof membrane:** Firestone Building Products, Carmel, Ind.; **Ground-face CMU:** Tremwyth Industries, Emigsville, Penn.; **Reconstructed stone:** Concreation (manufacturer); Patterned Concrete, Inc., Houston (installer); **Light fixtures:** SPI Lighting, Inc., Mequon, Wis.; **Glass block:** Pittsburgh Corning, Pittsburgh, Penn.; **Custom concrete benches:** White's Concrete & Pottery, Pasadena; **Sloped glazing system:** Arch Aluminum & Glass, Arlington.

# MARKETPLACE



**Crawford & Friend**  
3003 Bledsoe Street  
Fort Worth, Texas  
76107 - 2905  
817 - 336 - 8886

Arenas  
Churches  
Auditoriums  
Commercial  
Residential

Non-proprietary consultation, design, and specifications for  
Lighting · Dimming · Sound · Acoustics · Rigging · Draperies  
Sightline Studies · Audio/Visual · Theatre Safety Assessments  
Theatre Planning · Projection Systems · Feasibility Studies

Consultants Specializing In Performing Arts Technology And Planning

Circle 96 on the reader inquiry card



**PHOTO/GRAPHIC CONCEPTS**  
Laboratory Design / Photographic System Consultants  
Free Design & Consulting Services



**JOE CORNELIUS**

Director  
PH (713) 448-7218  
LD (800)-747-3061 - FAX (713) 448-3031  
7102 Deep Forest Drive - Houston, Texas 77068-6623

Circle 117 on the reader inquiry card



#1 C.T.D.A. Distributor for 1991  
**BOWMAN**  
TILE SUPPLY, INC.  
RESIDENTIAL & COMMERCIAL CERAMIC TILE  
Since 1949

12229 Sowden  
Houston, Texas 77080  
(713) 462-1390  
Fax (713) 462-2358

**STEWART LUEBE**  
Commercial Sales Manager

Voice Mail / Beeper 978-0430  
TX Watts (800) 392-9801 National Watts 800-231-0104

Visit us in booth 207 in Houston, or circle 39 on inquiry card

## Free Roofing Update on Video

Let IRI take you on a video tour of the world's largest polyurethane foam roofing projects. Architects and industry experts demonstrate spray foam applications across the country. See how foam technology can enhance your next project.  
Call toll-free 1-800-ROOF-TEC (1-800-766-3832)

**IRI Industrial Roofing & Insulation Inc.**  
8980 Scranton, Houston, TX 77075-1088

## JACK EVANS & ASSOC., INC.

ENGINEERED VIBRATION ACOUSTIC & NOISE SOLUTIONS

7800 N. MoPac Expy., #202 FAX (512) 343-0302  
Austin, Texas 78759 ☎ (512) 346-0300

Circle 87 on the reader inquiry card

## MIRROLAC-WB™ Interior/Exterior Waterborne High Gloss Enamel



Devco & Reynolds Co. has introduced MIRROLAC-WB™ Interior/Exterior Waterborne Acrylic High Gloss Enamel. It combines the high gloss, hardness, adhesion, flow/leveling and durability of alkyd enamels with the VOC compliance, non-yellowing, low odor, gloss/color retention, fast dry, flexibility and water clean-up of latex enamels. It dries hard and develops adhesion fast, enabling doors, windows, cabinets, shelving, equipment or hand rails to be handled quickly. Its gloss level, adhesion and durability are unique for waterborne enamel. MIRROLAC-WB Enamel can be used inside or outside on walls, wood or metal trim, doors, prefinished siding, metal fences, structural steel or storage tanks. For more information contact Devco & Reynolds Co., 4000 Dupont Circle, Louisville, KY 40207 or call toll free: 1-800-654-2616. In Texas call Jack Stout at (713) 680-3377.

Visit us in booth 205 in Houston, or circle 133 on inquiry card



**ENDURO**  
Fabric Awnings  
Full Service to Architects  
Backlit Awnings and Canopies

713-796-2322

Texas Watts 1-800-323-3641 Fax 713-796-0194

9350 South Point Drive, Houston, Texas 77054

Visit us in booth 427 in Houston, or circle 74 on inquiry card

## Put Our List On Your List

Our list is the *Consumer Information Catalog*. It's free and lists more than 200 helpful government booklets. So send for the free *Catalog* it's the thing to do. Write:

**Consumer Information Center**  
Department LL  
Pueblo, Colorado 81009  
U.S. General Services Administration



Sharon Ruth Pike,  
Owner

1912 S. Congress Ave.  
Austin, Texas 78704  
Fax (512) 447-6918  
Tel (512) 447-0335

Capitol Rubber Stamp  
SEALS \$21.00  
STAMPS \$15.00  
STAMP PADS \$ 3.00



Prompt 2 Day Turn-Around  
Call, Mail or Fax Your Order M/C & VISA Accepted

# MARKETPLACE

Advertising in Marketplace available for \$75 per column inch (2-1/2" wide), 1-inch minimum; business cards \$225. Design, typesetting available: \$10/inch. Call 512/478-7386 for details.

**WHAT ITS WORTH**  
P.O. BOX 162135 • AUSTIN, TX 78716  
512-328-8837

**TEXAS HEART PINE FLOORING**  
Longleaf Heart Pine Flooring, Milled from Antique Texas Southern Yellow Pine Also Louisiana Virgin Sinker Cypress

Visit booth 328, or circle 54 on inquiry card

# MARKETPLACE

## WENCO / TEXAS

### WOOD WINDOWS AND PATIO DOORS

4000 EAST HIGHWAY 31  
 CORSICANA, TX 75110  
 TELEPHONE 214/872-2426  
 800/338-1223

DOUGLAS OWEN  
 GENERAL MANAGER

Visit us in booth 516 in Houston, or circle 68 on inquiry card



Your Exclusive Dryvit Distributor **dryvit**  
 214/484-2292 • 800/554-4235  
 Fax: 214/484-1766

Circle 103 on the reader inquiry card



DAVID C. YORK

*York Metal Fabricators, Inc.*

ALUMINUM - STAINLESS STEEL - BRASS  
 GLASS RAILS - PIPE RAILS - PICKET RAILS - CUSTOM HANDRAILS

800-255-4703  
 405-528-7495  
 FAX 405-528-7426

P.O. BOX 18149  
 OKLAHOMA CITY, OK 73154

Circle 89 on the reader inquiry card

Anne  
**MOORE** Ltd  
 Fine Plumbingware

Houston  
 Austin  
 Dallas

Plumbing fixtures, faucets, whirlpool & steam baths,  
 designer & handicap products,  
 hardware & accessories

Designer Showrooms:  
 Houston: (713) 975-9500  
 Austin: (512) 454-4619  
 Dallas: (214) 691-2284



Circle 94 on the reader inquiry card

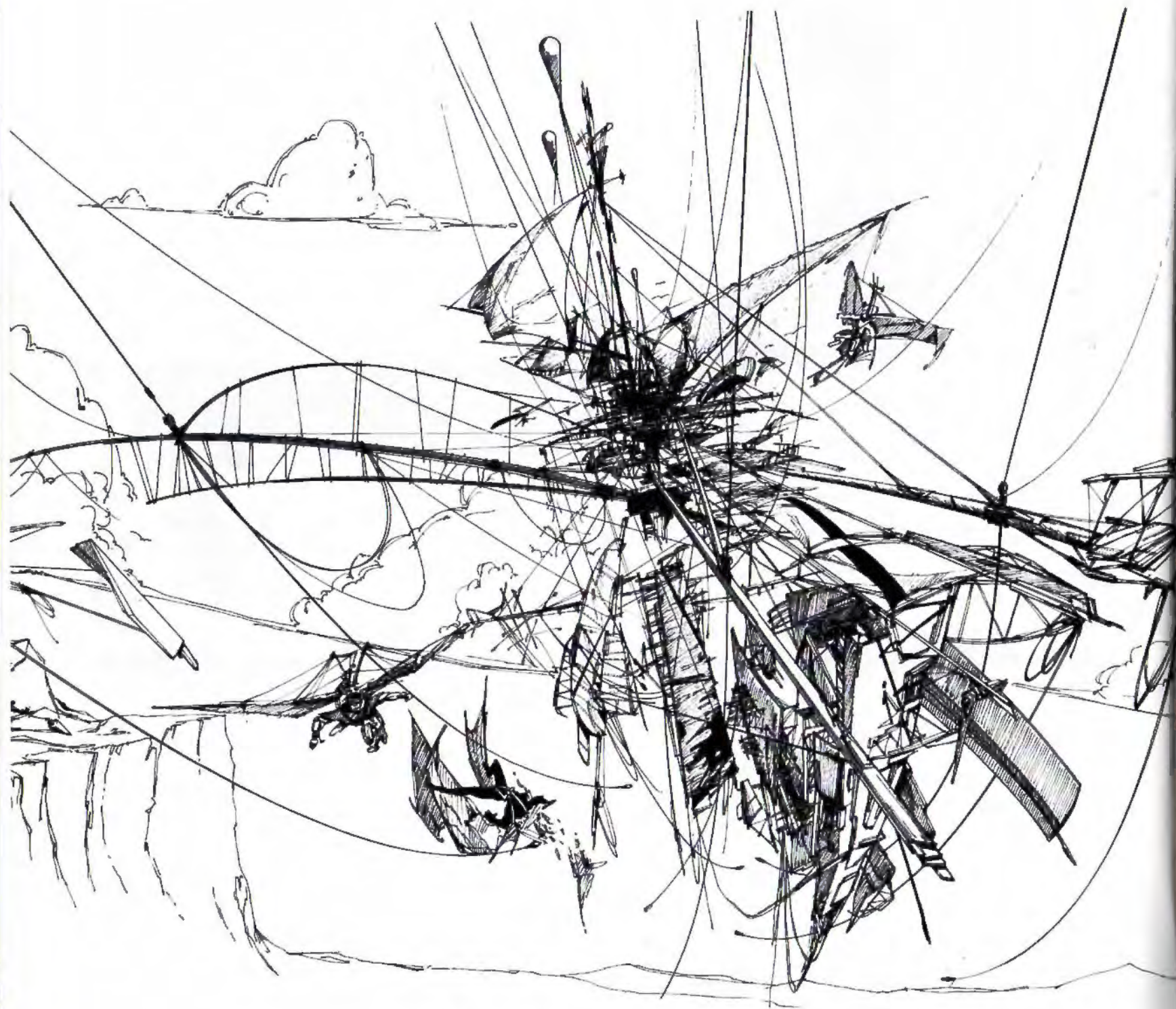
## Index to Advertisers

Pg. Advertiser ..... Circle No.

74	AIA Benefit Insurance Trust	14
13	Alco Building Products	121
32	American Standard	8
11	Andersen Windows - Black Millwork	20
83	Anne Moore, Ltd.	94
6	Apple Computer, Inc.	27
72	Assoc. Administrators & Consultants	11
74	Belik Creation Water Art	53
32	Bellaire Plumbing Supply	8
13	Berridge Manufacturing	102
14	Boral Brick - Henderson Division	46
12	Bowman Tile Supply	39
82	Capitol Rubber Stamp	
24	Carter Holt Harvey	35
2	Celotex Corporation	38
30	Chemstar Lime	5
83	Circle Supply	103
8	Cold Spring Granite	26
23	Concretion	41
28	The Conrad Co.	16
82	Crawford Friend Consultants	96

32	Devoe & Reynolds	133
34	Elgin-Butler Brick Co.	18
82	Enduro Fabric Awnings	74
18	Featherlite Building Products	6
24	Fisher Home Design Center	4
68	Gerard Roofing Technologies	115
68	Great Southern Supply	9
82	Industrial Roofing & Insulation	
79	Interstate Brick Co.	79
82	Jack Evans & Associates, Inc.	87
85	James Hardie Building Products	47
86	Kroin, Inc.	100
24	Lone Star Plywood & Door Corp	4
26	Long Supply	60
26	Lynwood Building Materials	60
24	Marvin Windows	4
12	Masonry & Glass Systems, Inc.	10
69	Masonry Institute	3
8	Miller Blueprint	13
31	Molded Fiber Glass Research Co.	63

82	Photo/Graphic Concepts	117
29	Pohl, Inc.	64
12	Pro-Tex Pool Covers	62
78	PLUS, Inc.	12
32	San Antonio Plumbing Distributors	8
10	Schindler Elevator Corporation	43
79	Scott Myers Studios	52
75	Secure, Inc.	34
29	Southern Architectural Systems	64
4	Southern Building Code Congress	29
21	T.G.M. Associates	42
10	Tex-Lam Manufacturing Inc.	51
9	Texas Gas Utilities	55
15	Texas Kiln Products	106
26	Thorntree Slate & Marble	44
26	Thoro System Products	60
68	United Glazed Products	81
32	Universal Plumbing Supply	8
13	Wagner & Company	31
83	Wenco Manufacturing Co.	68
82	What Its Worth	54
22	Wilsonart	1
83	York Metal Fabricators, Inc.	89



## Free Fall

**ON PAPER** The drawing on this page is from an illustration by Gong Szeto, a graduate of the University of Texas School of Architecture, who now works for Moore/Andersson Architects in Austin. It is part of a project in which

Szeto, with Eric Josowitz and Charles Greenman, tried to imagine "Free Fall," a realm of human habitation, modeled on the constructions of spiders, poised in the air in a constantly mutating situation. It illustrates, they say, "An architecture of bone and sinew held together only by the mind's sheer will." *JWB*

*"We're very comfortable with Hardishake. It's a proven product."*

*"Shake roofing is very expensive to replace and fire is a major concern."*

*"Hardishake's main attraction is its Class "A" fire rating, aesthetic appeal and 50-year warranty. It's really gaining acceptance in the Homeowners Association market."*

*"We endorse Hardishake. It's a proven product that's been around a long time and is backed by a large, well established company. We're very comfortable with Hardishake."*



Thomas Fochtmann  
Vice-President  
Davey Roofing  
Irvine, California

Rugged Hardishake® fiber cement roofing won't burn and is immune to the damaging effects of moisture, termites, sun, heat, and even hurricane force winds. Hardishake is lightweight, yet can be walked on without breakage unlike most clay tile roofs.

Hardishake roofing offers real value over the competition, the durability of concrete combined with the beauty of wood. Its fiber cement composition provides the security and protection of a Class "A" fire rating. And its natural, wood-like appearance, exquisite color selection and unique installation options, such as blending and



staggering, add lasting beauty and value to any home.

Hardishake meets or exceeds major building code requirements and is backed by a transferable, 50-year limited warranty

For more details on Hardishake and other James Hardie building products call:  
**1-800-766-7094**

**HARDISHAKE®**



**James Hardie Building Products**

A James Hardie Company

*Building Confidence for Over 100 Years*

10901 Elm Avenue • Fontana, CA 92335

**Circle 47 on the reader inquiry card**



© 1992 James Hardie Building Products, Inc.

# Kroin

Kroin Incorporated  
Kroin Commercial Products Division  
180 Fawcett Street  
Cambridge, Massachusetts 02138

Telephone 617 492-4000  
Telefax 617 492-4001

Kroin Sanitary Fittings  
Commercial Lavatory Faucets  
Designed by Prof. Arne Jacobsen, MAA  
Selected for the Design Collection, MoMA

*For information circle 100.*

## Commercial Interruption

Tune into the Kroin Commercial Products Division for a program of competitively priced Lavatory Faucets that provide years of continuous service.

These faucets incorporate varying functions within the classic Kroin design with models featuring volume and/or temperature control, time release mechanisms and pre-set GPM for energy conservation. All are approved by ANSI

(American National Standards Institute) and select faucets are available with long lever handles for the physically challenged.

So whether your next project is a health club, hotel or corporate headquarters, choose Kroin: the faucet program that performs without interruption.

