A Salute To Those Who Make Our Highways Beautiful
The West Texas Chapter, AIA, honors clients in its area whose projects contribute to a better environment.

Robert Allen, AIA, designed his own house at Lake Cherokee near Longview. The efficient and inexpensive project captures the excitement and panoramic lake vistas.

Midland Architect Frank Welch uses bold forms to catch the eye of customers for Studio Green—a very special "general store" in Southwest Texas.

ADVERTISERS
11 United Sprinkler
12 Electric Utility Companies of Texas
16 Mosher Steel
18 Mattiessen and Hegeler
17 Professional Directory
21 Simpson Timber
23 PPG Industries

THE TEXAS ARCHITECT is published monthly by Texas Society of Architects, 904 Perry-Brooks Building, 121 East 6th Street, Austin, Texas 78701. Second class postage paid at Austin, Texas. Application to mail at second class postage rates is pending at Austin, Texas. Copyrighted 1972 by the TSA. Subscription price, $3.00 per year, in advance.

Editorial contributions, correspondence, and advertising material invited by the editor. Due to the nature of the publication, editorial contributions cannot be purchased. Publisher gives permission for reproduction of all or part of editorial material herein, and requests publication credit be given THE TEXAS ARCHITECT, and author of material when indicated. Publications which normally pay for editorial material are requested to give consideration to the author of reproduced bylined feature material.

Appearance of names and pictures of products and services in either editorial or advertising does not constitute an endorsement of same by either the Texas Society of Architects or the American Institution of Architects.

TSA OFFICERS FOR 1972

President
Jaw W. Barnes, Austin
Past President
Harry Golcmon, Waco
Vice President
Charles Harper, Wichita Falls
Vice President
John Olson, Corpus Christi
Vice President
Howard Parker, Dallas
Secretary-Treasurer
Daniel Boone, Abilene
Regional Director
Thomas A. Bullock, Houston

TSA DIRECTORS FOR 1972

Richard Buzard, Abilene
Dave Graeber, Austin
John D. Greer, Brazos Valley
Jack Solka, Corpus Christi
Dave Braden, Dallas
George Stamen, El Paso
Paul Wharton, Fort Worth
Harry Golemon, Houston
Marvin Boland, Lower Rio Grande Valley
Bob Messersmith, Lubbock
Ann Bintiff, Northeast Texas
Ed Mok, San Antonio
Harry W. Golemon, Southeast Texas
Jim Bailey, Panhandle
Douglas Hearn, Waco
Daryle Hoherz, West Texas
Joe Roberts, Wichita Falls
Tony Saltirelli, Associated Student Chapters/AIA

TSA TsTs Region of the American Institute of Architects

James D. Pfieger, AIA
Managing Editor
Benny L. Canizares
Associate Editor
V. Raymond Smith, AIA
Associate Editor

Copyrighted 1972 by the Texas Society of Architects

THE TEXAS ARCHITECT is the official publication of the Texas Region of the American Institute of Architects.

Vol. 22 Nov. 1972

JIM R. GREEN

Perry Bros. Build., 121 E. 6th, Austin, Texas 78701

Editorial and Advertising Material Advance.
WILLIAM T. FLEMING, JR. HOUSE

ADDITIONS AND REMODELING

RIVER OAKS/HOUSTON

HONOR AWARD

TEXAS ARCHITECTURE 1971
The architects were asked to remodel an existing house for a family of four. Addition serves as major family center with home office above.

Architects decided to create a gallery connecting the existing and new major space. New stairs were added to connect the existing office and the new office and guest room suite.
Cullen Luttrell, Sonora, is the 1972 recipient of the third annual Lady Bird Johnson Award for Highway Beautification. Five finalists were selected from twenty-five nominees from some 275 Texas Highway Department maintenance foremen. The former First Lady established the award three years ago to single out and honor the Highway Maintenance foreman who does the best job of highway beautification in his area.

The maintenance foremen are in charge of taking care of all State-maintained highway facilities in a locality including care of the roadsides and the Highway Department’s 1,100 roadside parks, safety rest areas and scenic turnouts.

When Cullen Luttrell took over the Sonora maintenance section over 30 years ago, West Texas was in the throes of severe drought. Luttrell hauled water to all the live oak trees along the right of ways, thus keeping them alive and developing them into the stately trees existing today.

During his first few years with the department, Luttrell carried a large sack of harvested bluebonnet seeds in his car and scattered them along the roadside to gradually develop a blanket of blue along the highway.

He also started the practice of trimming trees high enough so that mowers and maintenance men could have enough room to maneuver their machines without breaking limbs and damaging trees.

As a young man, Melvin Bayless worked hundreds of feet below ground in the dismal coal mines of West Virginia. In 1950 he moved to Texas and began working for the Highway Department as a common laborer, gradually rising in rank. He has not forgotten his days in the coal mines, days devoid of beauty.

Practically every highway in Bayless’ county has been beautified under his guidance. Seedling pine trees too close to the pavement edge have been transplanted to an area where they could develop fully. He has been instrumental in planting over 1000 seedling pines on IH 10, as well as crepe myrtle, sumac, huckleberry, juniper and wild flowers in the rest areas along the freeway.

In 1970 he instigated a new approach for propagating wild flowers. Once the flowers had dried and gone to seed, topsoil in thin lifts was removed and placed on other highways thus spreading the flowers to other areas.
In the rugged Blanco Canyon about 4 miles east of Crosbyton on the south side of US 82 is one of the largest, most picturesque roadside parks in Texas—the White River (Silver Falls) Park. Established in 1936, it is one of Clay Campbell’s primary interests, as he was the one who bladed the first road through the park.

Lack of money and erosion during and after heavy rains presented problems for the park’s development. When rains fell and the creeks rose, it dislodged boulders from the craggy bank. Clay rolled the big ones around to section off picnic areas into private dining units. Smaller boulders were used to outline sand walks and salvaged paving bricks were used to build walks and retaining walls, all of which are still in use today.

One of the main arteries to far South Texas is US 281. The monotony of the landscape is broken by Spanish oak groves in the north and stately palms in the south. In between are selective plantings of trees native to the area. The wild flower display each spring shows nature at her best with a riot of color spreading from the right of way onto adjoining pastureland.

Rumaldo has taken what nature provided and endeavored to show it to the best advantage. He harvested wild flower seeds in the years when flowers were plentiful and distributed them where none had grown. Where no trees grew, he planted them and appropriately gave inbound winter visitors a preview of things to come by planting palms on the right of way.

Harold Smith has responsibility for maintenance of the roadways, roadside parks, and historical markers along 290 miles of highway. Sweeping waves of crimson clover, phlox, buttercups and paintbrush accented by wisteria demand the traveller’s attention, along with an occasional dogwood tree.

A Tyler Morning Telegraph editorial pointed out: "As you marvel at the hill and valley scenes, you might remind yourself that Harold Smith and his maintenance crews have given much thought and effort to making traveling enjoyable... You may enjoy the shade and convenience of a roadside park, the view of pine seedlings on slopes, or the array of color in medians and along the contoured roadides...".

Through the years Smith has cultivated the state flower on the right of way in an area where it is rarely found. He also has had much success in cultivating pine seedlings on red clay slope where erosion control is needed.
FIRE STATION NO. 8

RAPP TACKETT FASH/ARCHITECTS

This site is a small city lot near downtown Houston in an old part of the city. There is mixed construction around the site; some small commercial; old two-story wood or masonry residences; and a new area just across the street at the same intersection, a development for Houston Lighting and Power Co.

The program called for a station with three pieces of fire-fighting apparatus and one ambulance. With these simple requirements architects Rapp, Tackett, Fash investigated two basic approaches—one story and two story.

The two story solution was selected because of the site size. There was an existing one-apparatus fire station on the site. It was constructed with load bearing masonry walls, with a 12-foot high main door. After careful study for additions to it, it was found unsuitable and had to be destroyed. With this in mind, the building was designed and located on the site so that additional space for two apparatus and additional dormitory and office space above could be added to the north end of the building.
This was done with the knowledge that in the downtown area within the life of the building, there could be a real need for expansion. Construction was a steel frame with brick veneer so that the veneer could be removed when and if the building was expanded and leave the entire downstairs space open. With the building adjacent to the two blocks of HL&P new structures in a very old part of town, the architects felt relationship to these buildings should be carried through if possible. Dark brown brick was selected to match the paving and the walls on both adjacent blocks.

The second floor containing the dormitory, locker rooms and day rooms requires more space than the apparatus equipment below. For this reason, the openings in the lower portion were recessed while the openings in the second floor were flush with the face of the building. Privacy, quiet, control of natural light were the prime considerations for the living quarters. In contrast, the apparatus room was conceived as a showcase for the fire fighting equipment.

The structure is steel frame, masonry walls, concrete slab on fill, built-up roof on rigid insulation over metal roof deck. Adequate parking for the three shifts of firemen and a recreation area is provided.

The basic material is brown brick; the windows in the upper portion are galvanized steel frames with black neoprene zipper gasket and bronze plate glass; the second floor is terrazzo throughout; the ground floor is hardened concrete. Gypsum partitions in the second floor are painted white with accent colors on the lockers and in other areas. Gasoline storage tanks for the trucks are in the rear.
Robert Allen, AIA, designed his own house at Lake Cherokee near Longview. The efficient and inexpensive project captures the excitement and panoramic lake vistas.
Don't get us wrong. One of our sprinkler fire protection systems can give you greater freedom in materials selection and design. So, your building may win acclaim. But, big fire insurance claims? Not likely.

In many areas updated building codes or negotiated offsets permit use of more wood, greater distance between fire exits, fewer fire walls and other design flexibility in equipped buildings. Some of the restrictions which hamper design creativity are eliminated.

And fire insurance underwriters are so convinced of the value of fire protection sprinkler systems that they usually reduce premium rates substantially. In some cases reduced premiums have paid the cost of the fire protection system in 5-7 years. Or even less. After that the building owner continues to receive the benefits of lower premiums along with his greater assurance of continued use of the building.

If you have questions about sprinkler fire protection systems, just write or call us.

UNITED SPRINKLER

A building with one of our systems will never set the world on fire.
"The cost of operating an all-electric clinic was less than my expectation."

When Dr. John Hart, DDS, decided to build his own orthodontics clinic in Texas City, Texas, he decided to go all-electric. According to Dr. Hart, the cleanliness of electric heating and the maintenance-free economical operation of electric equipment are two of the greatest benefits of the all-electric concept.

This modern clinic was designed to fit Dr. Hart's practice, facilitating patient flow and keeping staff operations to a minimum. In the center is a circular operating area with four separate patient centers.

All-electric heating and cooling provides year 'round comfort, while dental work is being performed in the building's well-lighted, attractively-designed areas.

"I have been pleased" says Dr. Hart, "with the performance and cost of operation of the equipment. The electric service has certainly satisfied all of my requirements."

Contact your nearest Electric Utility and let them show you how an all-electric operation can satisfy your requirements, too!
The West Texas Chapter of AIA has presented design awards to 13 buildings for excellence in design. The buildings were selected in an awards competition sponsored by the Chapter as part of a continuing program to recognize architects and honor owners for their concern and sensitivity for outstanding design and a better environment.
HONOR AWARDS

WEST TEXAS CHAPTER AWARDS

ST. PAUL'S UNITED PRESBYTERIAN CHURCH, SAN ANGELO
DONALD GOSS ASSOCIATES, ARCHITECTS

TOWER PROFESSIONAL BUILDING, ODESSA
PETERS & FIELDS ARCHITECTS

BECCIE HAYNES ELEMENTARY SCHOOL, PECOS
PETERS & FIELDS ARCHITECTS

COMPOSITE TECHNOLOGY BLDG.
ODESSA COLLEGE
PETERS & FIELDS ARCHITECTS

TEXAS ARCHITECT
WEST TEXAS CHAPTER AWARDS

CITATION AWARD

FORREST OIL CORPORATION
FIELD OFFICE, ODESSA
FRANK WELCH, ARCHITECT

GENERAL TELEPHONE
EXCHANGE BUILDING,
GRAPEVINE
LOVETT, SELLARS &
ASSOCIATES, ARCHITECTS

JAMES HOOKER RESIDENCE, MIDLAND
FRANK WELCH, ARCHITECT

TEXAS BANK AND TRUST, SWEETWATER
PETERS & FIELDS, ARCHITECTS

GENERAL TELEPHONE AREA OFFICE BLDG.
TEXARKANA
LOVETT, SELLARS & ASSOCIATES, ARCHITECTS

FIRST NATIONAL BANK, BALLINGER
PETERS & FIELDS, ARCHITECTS
Six or Sixty...

they still receive Mosher's best!

The six-story parking garage for the Baptist Memorial Hospital under construction in San Antonio, Texas with 1050 tons of Mosher Steel is considered by some standards a relatively small structure. Yet, by Mosher's standards, it is as important as a sixty-story skyscraper, and receives the same careful attention we give to more sizeable work.

In our 87-year history, we have been fortunate to furnish fabricated steel for some of the world's more prominent projects. Many have made history for their unique designs, size, and steel tonnage. But we still find a special enthusiasm for applying our talents to the smaller structures, because they have served as the foundation of our past growth and will continue to play a big part in our future.

Six or Sixty stories... they still receive our best!

HATFIELD-HALCOMB, INC.

Hatfield-Halcomb, Inc., Architects and Planning Consultants, have expanded and relocated their offices to 810 Carillon Tower West, 13601 Preston Road, Dallas, Texas 75240 214/ 233-9151.

WILSON STOELTJE MARTIN

Wilson, Stoeltje, Martin announce the creation of their new firm as Architects and Planning Consultants, 30 Dobie Center, Austin, Texas 78705.

PFLUGER-POLKINGHORN

James Pfluger and James Polkinghorn announce the opening of their office—Pfluger-Polkinghorn, Architects, Health Facilities Planning Consultants and Construction Management, Courtyard 504 West Seventh Street, Austin, Texas 78701 512/476-4040.

IMA HOGG

Ima Hogg has received the National Society of Interior Designers Thomas Jefferson Award in recognition of her outstanding contributions to the preservation of American cultural heritage.

Miss Hogg's life has been dedicated to collecting and preserving American antique furniture. Bayou Bend, once her home, houses her fine collection and is now part of the Museum of Fine Arts in Houston.

She was the recipient of a Citation of Honor from the Texas Society of Architects last year also honoring her for her many contributions.
"Texas: A World of Difference." There IS a world of difference in Texas. There are environmental opportunities—options no longer available in many other states. There’s more inland water here than in any other state except Alaska—and most of it is clear and fresh. The air in most places is still crisp. The scenery is unparalleled. Historic resources abound. And the people have that friendliness, that determination and that independence difficult to define but easy to respect.

Indeed, Texas itself and its people are compelling reasons enough to adopt a determined protective attitude.
Pedro Vasallo is part of a generation in which drugs are all too often a part of life. A lot of kids Pedro's age have dropped out of life and into heroin, just because they couldn't find anything better to do. A United Way agency helped make certain Pedro found a better way. They taught him to strive, and to excel. And they helped him form a healthy identity, and a strong sense of personal worth without which he could so easily have thrown away his life.

Every day he practices basketball with the team one of the United Way member agencies has formed. He takes a lot of pride in his skill—and well he might. This year his team won the championship at the International Junior Basketball Tournament at Indianapolis, Indiana.

You helped Pedro Vasallo with your contributions through the United Way campaign across the country—and now you're helping others.

Timeless Titanaloy "A", the Architects metal, tops things off with style and grace on large jobs and small. On restorations of gracious old buildings like the Sedco Building, or on the most modern shopping center, airport or church—roofing, gutters, and flashings of Titanaloy "A" create the lasting look of luxury.

Now, easier, faster, foolproof installation procedures. Write for our new installation booklet, or see CSI or Sweets for '73.

**MATTHIESSEN & HEGELER ZINC COMPANY**

La Salle, Illinois 61301 Phone: 815-223-8600
Representing TITANALOY "A" in your area:
Doug D. Harper Associates
P.O. Box 5202, Shreveport, La. 71106
Phone: 318-868-5314

Distributed by: Moncrief-Lenoir Mfg., Dallas, Hartlingen, Houston, Lubbock, San Antonio, Temple
Reynolds Aluminum Supply Co., Dallas
National Steel Service Center, Houston

TEXAS ARCHITECT
BAYSHORE SERVICE CENTER
HOUSTON LIGHTING & COMPANY
COMMENDATION AWARD — TEXAS ARCHITECTURE 1971
The architects were asked to design a service center for an electric utility company, providing complete support services in its assigned area. The site is three-quarters of a mile from the Gulf of Mexico and in the past has been subjected to flooding and high winds from hurricanes.

The project was first zoned into public and non-public areas. For reasons of appearance, safety and security, non-public areas were screened by walls or landscaping. Within the public area were grouped all personnel dealing directly with the public as well as other office personnel. The floor level was raised so that it would be above expected storm water levels permitting operations during emergencies.

The deep fascia and spandrel channels which are dominant visual elements in the design are in fact service chases for the building. The spandrel channel collects the return air from perimeter building spaces through a concealed slot at the base and returns it by underground tunnel to the mechanical room. The fascia channel carries conduit and piping. These two horizontal elements are connected to each other and to the ground by vertical chases located in the rear portion of each "H" column.

A major concern of the client was that areas serving the public be gracious and accommodating. This is expressed in the generous main entry canopy, the drive-in window porch and the treatment of the lobby.

Photographs by Richard Payne
Our new Ruf-Sawn 316 is the best textured wood panel for painting you can buy.

And we can prove it.

Better than raw wood.
   Ruf-Sawn 316 is an entirely new plywood siding product with a resin-impregnated fiber surface designed for painting. You'll paint it quicker, with less paint, far less often. In fact, tests proved it extends paint life up to three times longer than raw wood. Yet it's saw-textured grain looks real, because it's a natural wood pattern.

Better than composition sidings.
   Ruf-Sawn 316 gives you the higher structural advantages of plywood—higher strength-to-weight ratio, and greater racking strength without sheathing or corner bracing. And, being 3/8" plywood, it is lightweight and handles so easily, one man can apply it.

The ideal combination.
   You can get the paintability of a modern overlay, the lightness and strength of plywood, and the natural, saw-textured grain developed from real wood patterns—all at a cost only slightly higher than standard paint-grade plywood. Use it once, and we bet you'll insist on it whenever you need a paint siding.


Ruf-Sawn 316
Clients requested architects to design a store for a site adjacent to a much-travelled highway near a large lake in Southwest Texas. Widely diverse items were to be marketed—boats, sports clothes and Scandinavian imports. Owners, a lawyer and his artist wife, desired to live on the premises where they could pursue their respective vocations as well as operate the store.

The site indicated a building that would catch the eye of the fast-moving motorist while maintaining a dignity that owners requested. Assertive and high key forms seemed appropriate for a commercial building on this "high speed" site. A low flat curving roof links three pitched roof elements which house a display "case", offices and the main sales building/living quarters. The low curving roof widens over the boat sales area at the south end and wraps around the circular swimming pool on the north. The high-ceilinged main building provides a lofty sales/display area and also an open mezzanine for the living quarters.

Building budget, exclusive of fees, pool and planting, was $80,000.
How to convince a client that the glass you want is the glass he needs.

Get a Building Cost Analysis from your PPG Architectural Rep. This free computerized study determines the effect of different types of glass on total building costs.

On many projects, the more sophisticated glass will prove to be the most economical for your client—by cutting his initial investment and operating costs for mechanical systems.

A Building Cost Analysis can, in black and white, demonstrate these facts to a client.

Be sure you start taking advantage of this timesaving service early in the design stage. Contact a PPG Architectural Rep. He'll get data input sheets into your hands. And with the aid of PPG technical specialists, he'll make sure you feed our computer the information it needs.

Call your PPG rep. The earlier the better. Or write for complete information to Mr. D. C. Hegnes, Manager, Architectural and Construction Services, PPG Industries, Inc., One Gateway Center, Pittsburgh, Pa. 15222.

---

PPG: a Concern for the Future

---

Building Cost Analysis

---

Glass

INDUSTRIES

TO: J.M. Wilson
Architect, M.F. Buildings, Inc.
CHICAGO, ILLINOIS

REFERENCE: 12 STORY OFFICE BLDG.
CHICAGO, ILLINOIS

ARCHITECT: Bob Davis
ENGINEERS: John Taylor

Glass and Glazing Alternatives

<table>
<thead>
<tr>
<th>SYSTEM</th>
<th>1/4-INCH CLEAR PLATE/FLOAT</th>
<th>1-INCH SOLARBAR 550-20 (2) TWINDOOR WITH INDOOR SHADING</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLASS</td>
<td>$84,000</td>
<td>$220,000</td>
</tr>
<tr>
<td>INDOOR SHADING DEVICE</td>
<td>$50,000</td>
<td></td>
</tr>
<tr>
<td>MECHANICAL HEATING SYSTEM</td>
<td>$133,760</td>
<td>$114,540</td>
</tr>
<tr>
<td>MECHANICAL COOLING SYSTEM</td>
<td>$996,930</td>
<td>$947,660</td>
</tr>
<tr>
<td>TOTAL MECHANICAL</td>
<td>$1,136,720</td>
<td>$1,065,180</td>
</tr>
<tr>
<td>ANNUAL HEATING OPERATION</td>
<td>$12,410</td>
<td>$10,950</td>
</tr>
<tr>
<td>ANNUAL COOLING OPERATION</td>
<td>$16,110</td>
<td>$14,960</td>
</tr>
<tr>
<td>TOTAL MECHANICAL OPERATION</td>
<td>$28,520</td>
<td>$25,910</td>
</tr>
<tr>
<td>PRESENT WORTH (DOLLARS PER SQ. FT. OF FLOOR AREA)</td>
<td>$60.28</td>
<td>$60.07</td>
</tr>
<tr>
<td>ESTIMATED ANNUAL COST OF OWNING &amp; OPERATING BUILDING (DOLLARS PER SQ. FT. OF FLOOR AREA)</td>
<td>$5.05</td>
<td>$5.04</td>
</tr>
</tbody>
</table>

$134,000 INCREASE OF INITIAL GLASS COST.

$149,470 SAVINGS OF INITIAL HEATING AND COOLING EQUIPMENT.

$3,010 PER ANNUM SAVINGS OF OPERATING COSTS.

---

This Service has been developed to help architects, builders, engineers and others understand the effect of fenestration on costs and to encourage detailed objective study of available glass alternatives by the design professional.