

**A Salute To Those
Who Make Our
Highways Beautiful**

THE TEXAS ARCHITECT

Volume 22

November, 1972



COVER AND PAGE 6

Texas Highway Department employees from across the state recognize the importance of highway beautification and develop plans for maintenance, planting and soil erosion control.

3 Light, texture and form are utilized in an addition to the Wm. Fleming, Jr. house making a new, exciting place to live.

8 Bold, simple form and materials are combined into a block sculpture housing a fire station.

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13 The West Texas Chapter, AIA, honors clients in its area whose projects contribute to a better environment.

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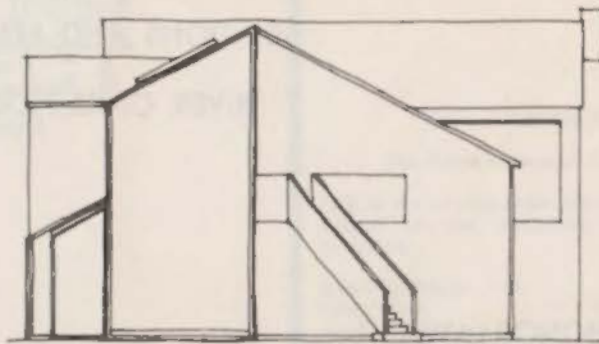
ADDITIONS AND REMODELING

RIVER OAKS/HOUSTON

HONOR AWARD

TEXAS ARCHITECTURE 1971





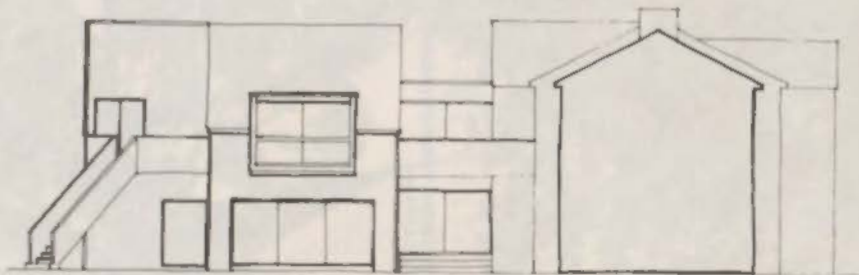
WEST ELEVATION

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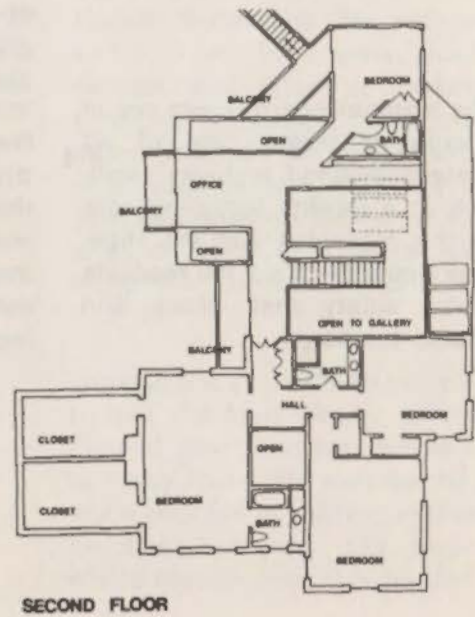
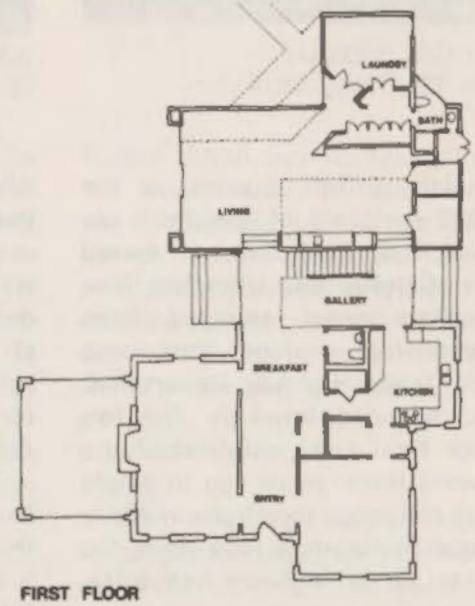
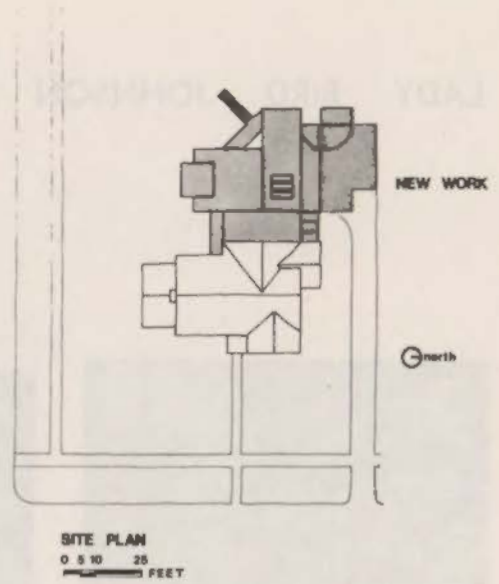


SECTION

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.





LADY BIRD JOHNSON AWARD FOR HIGHWAY BEAUTIFICATION

AWARD WINNER



CULLEN LUTTRELL
SONORA—DISTRICT 7

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 blue-bonnet 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.



MELVIN E. BAYLESS
LA GRANGE—DISTRICT 13

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.



MILTON C. CAMPBELL
RALLS—DISTRICT 5

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.



RUMALDO RIVERA
FALFURRIAS—DISTRICT 21

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
RUSK—DISTRICT 10

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 roadsides . . ."

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

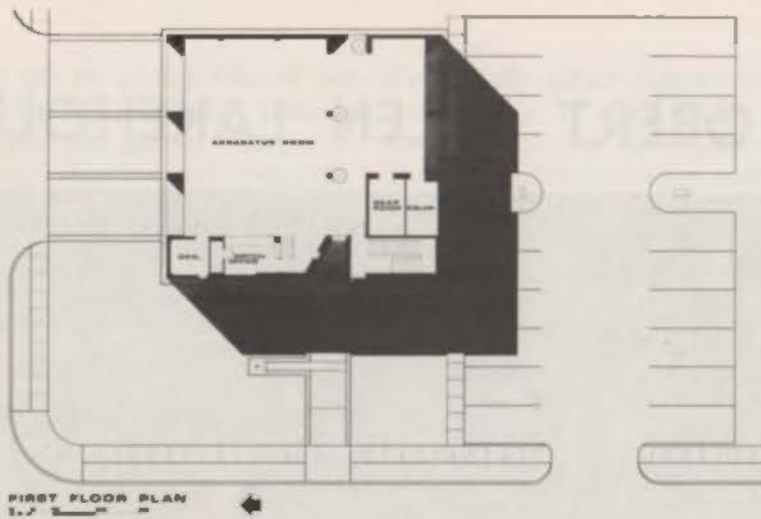
with three pieces of fire-fighting apparatus and one ambulance. With these simple requirements architects Rapp, Tackett, Fash investigated two basic approaches—one story and two story.

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.



Photos by Vahe Sahakian
TEXAS ARCHITECT



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 LAKEHOUSE

TEXAS ARCHITECTURE 1971
COMMENDATION AWARD

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



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WEST TEXAS UTILITIES OFFICE BUILDING, SAN ANGELO
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FIRST HONOR AWARDS

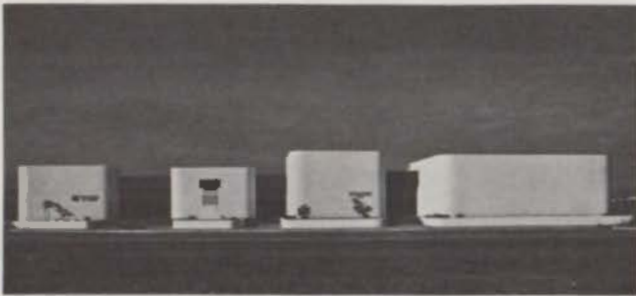


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HONOR AWARDS

WEST TEXAS CHAPTER AWARDS



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WEST TEXAS CHAPTER AWARDS

CITATION AWARD

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FRANK WELCH, ARCHITECT



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

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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.

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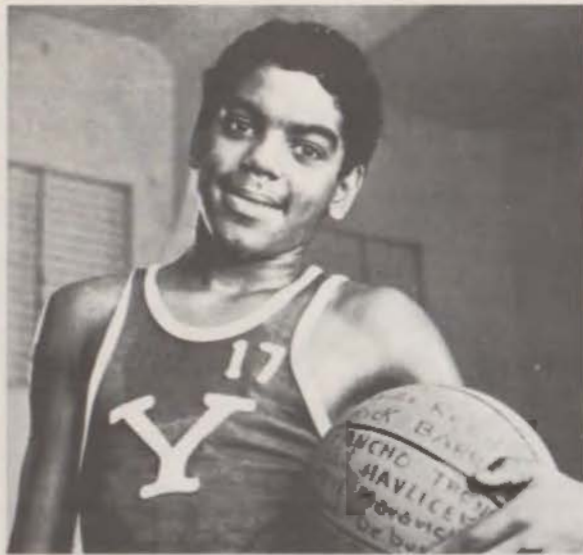


"Texas: A World of Difference." There IS a world of difference in Texas. There are environmental opportunities—options no longer available in many other states. There's more inland water here than in any other state except Alaska—and most of it is clear and fresh. The air in most places is still crisp. 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.

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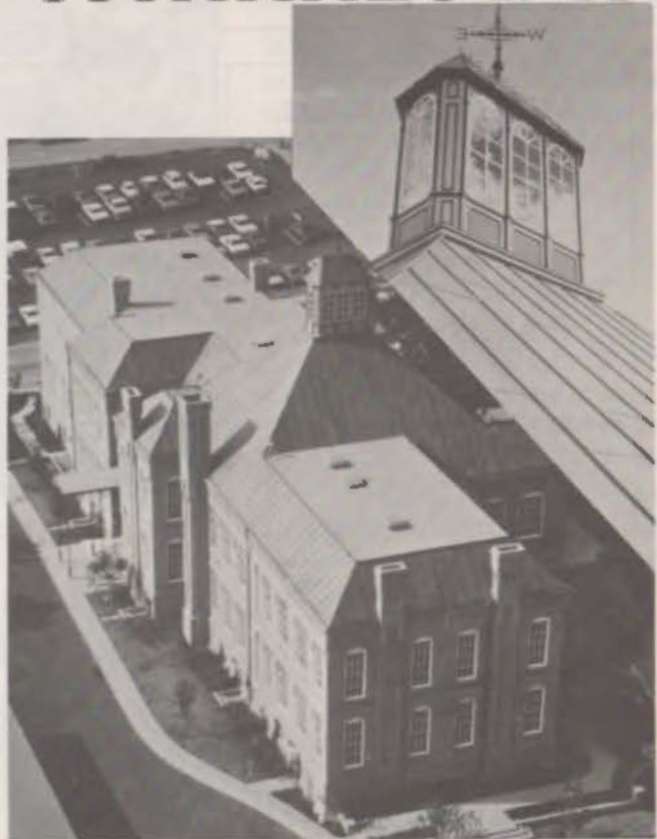


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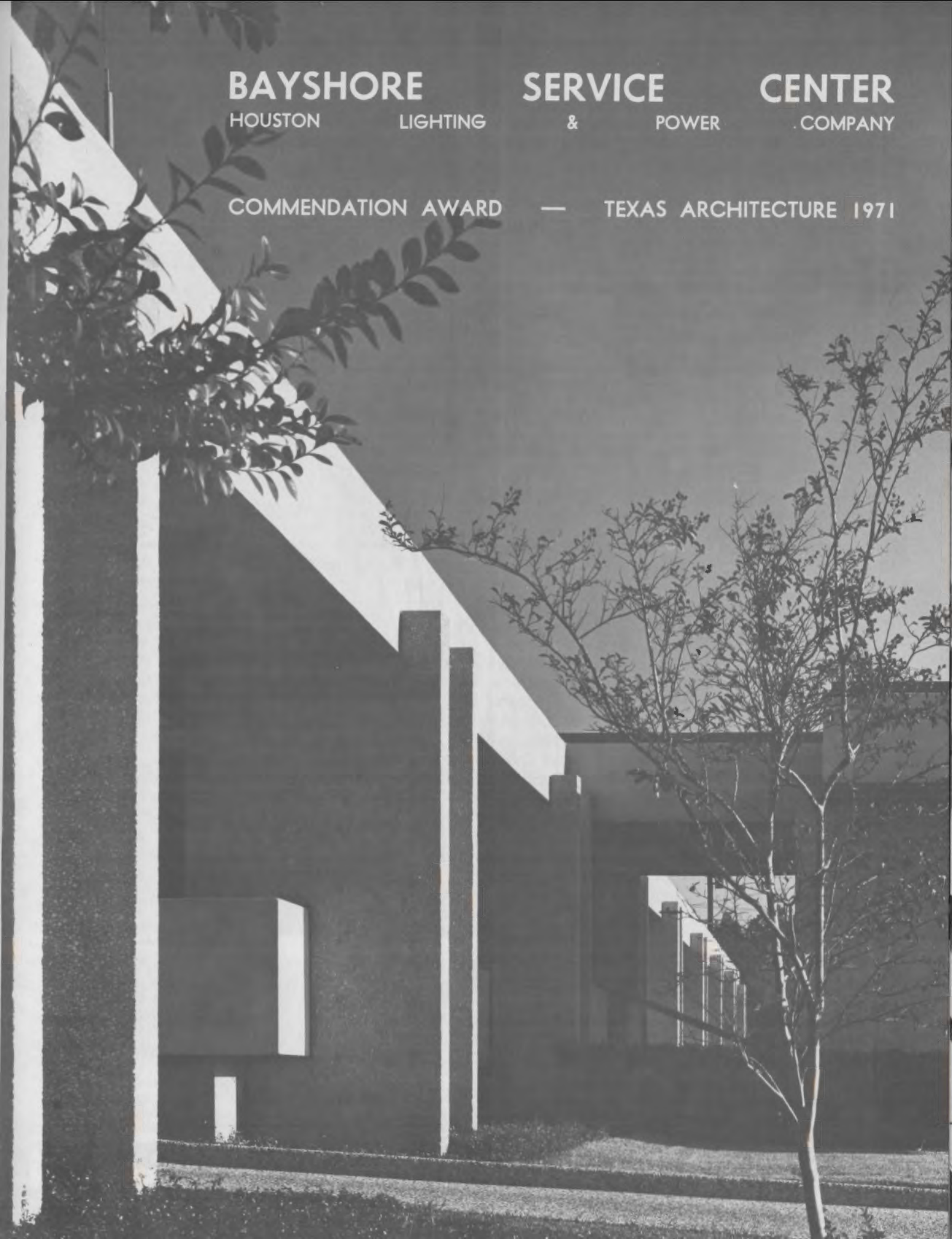
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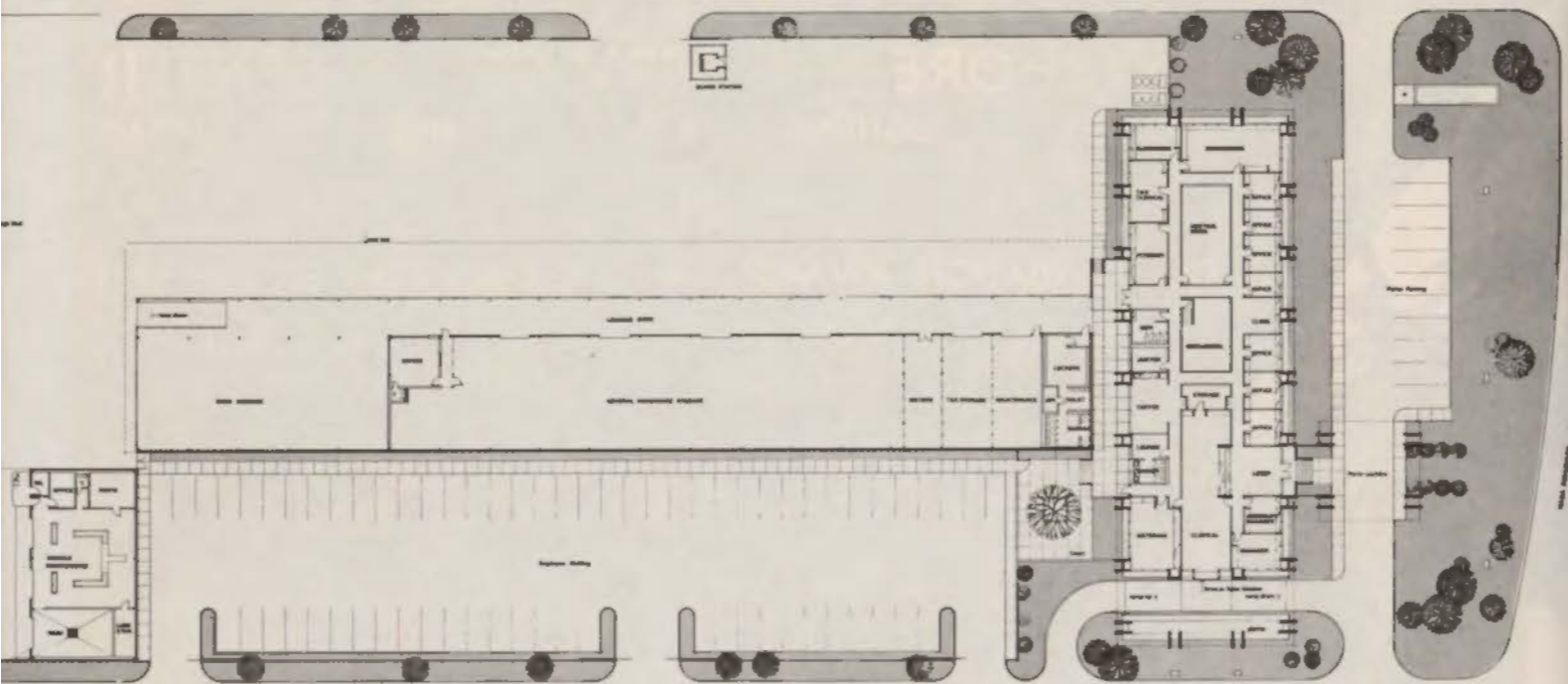
COMPANY

COMMENDATION AWARD

—

TEXAS ARCHITECTURE 1971





**McKITTRICK
DRENNAN
RICHARDSON
WALLACE
ARCHITECTS
AIA**

HOUSTON, TEXAS

**ROBERT O. BIERING
ASSOCIATE ARCHITECT
HOUSTON, TEXAS**

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.

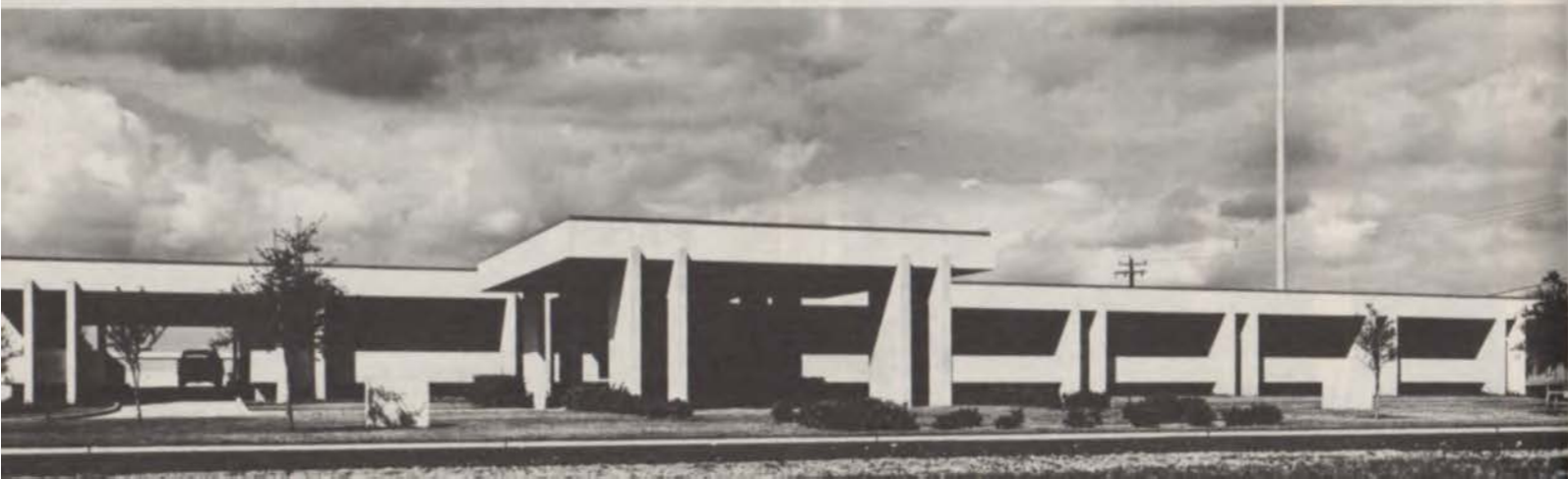
The project was first zoned into public and non-public areas. For reasons of appearance, safety and security, non-public areas were screened by walls or landscaping. Within the public area were grouped all personnel dealing directly with the public as well as other office personnel. The floor level was 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



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Ruf-Sawn 316

Building, Seattle, Washington 98101

A HIGHWAY STORE FOR STUDIO GREEN

DEL RIO

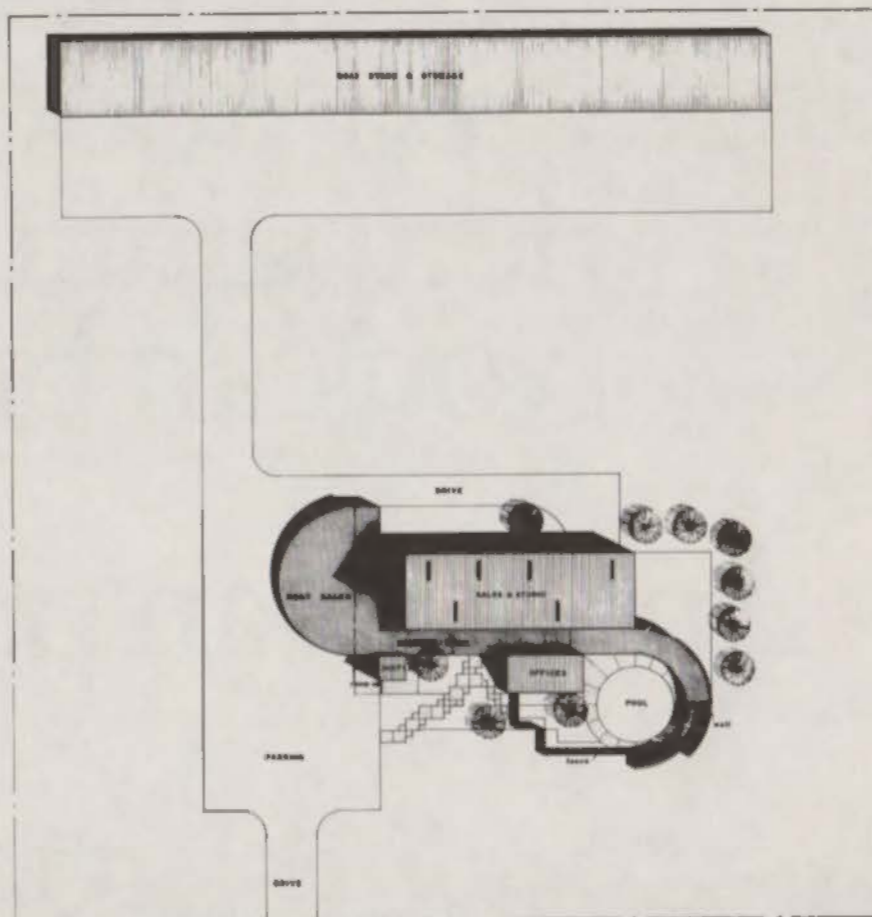
TEXAS ARCHITECTURE 1971

FRANK D. WELCH
ARCHITECT

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.



SITE PLAN



TEXAS ARCHITECT

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Building Cost Analysis

TO: Mr. J.M. Wilner
New Buildings, Inc.
Chicago, Illinois

DATE:

REFERENCE:
15 Story Office Bldg.
Chicago, Illinois

ARCHITECT: Bob Davis
ENGINEERS: John Taylor

SYSTEMS	Glass and Glazing Alternatives		Cost Comparison Alternate "B" with Alternate "A"
	"A" 1/4-inch Clear Plate/Float With Indoor Shading	"B" 1-inch SOLARBAN 550-20 (2) TWINDOW With Indoor Shading	
GLASS (60,000 Sq.-Ft.)	\$ 84,000	\$ 220,000	\$ 136,000 INCREASE OF INITIAL GLASS COST.
INDOOR SHADING DEVICE	50,000	50,000	
MECHANICAL HEATING SYSTEM	133,260	114,540	
MECHANICAL COOLING SYSTEM	863,670	732,920	
TOTAL MECHANICAL	996,930	847,460	\$ 149,470 SAVINGS OF INITIAL HEATING AND COOLING EQUIPMENT.
ANNUAL HEATING OPERATION	12,410	10,950	
ANNUAL COOLING OPERATION	16,510	14,960	
TOTAL MECHANICAL OPERATION	28,920	25,910	\$ 3,010 PER ANNUM SAVINGS OF OPERATING COSTS.
PRESENT WORTH (DOLLARS PER SQ. FT. OF FLOOR AREA)	60.28	60.07	
ESTIMATED ANNUAL COST OF OWNING & OPERATING BUILDING (DOLLARS PER SQ. FT. OF FLOOR AREA)	5.05	5.04	

THIS SERVICE HAS BEEN DEVELOPED TO HELP ARCHITECTS, BUILDERS, ENGINEERS AND OWNERS UNDERSTAND THE EFFECT OF PENETRATION ON COSTS AND TO ENCOURAGE DETAILED OBJECTIVE STUDY OF AVAILABLE GLASS ALTERNATIVES BY THE DESIGN PROFESSIONAL.

SIGNATURE

J. W. Johnson

TEXAS ARCHITECT
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