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9  
5  
7

**AUGUST**

ARCHITECTS

AUG 30 1957

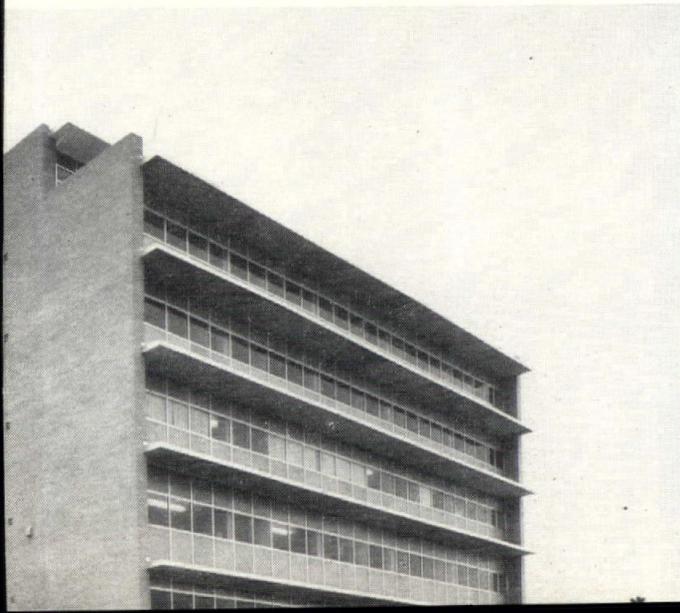
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# TEXAS ARCHITECT

OFFICIAL PUBLICATION OF THE TEXAS SOCIETY OF ARCHITECTS

## IN THIS ISSUE

- Why Building Costs Are Higher
- New AIA Standard Architect-Client Agreement Described
- Representative Selection Made By Coastal Bend Chapter



The new IBM Building in Corpus Christi has been selected by members of the Coastal Bend Chapter, AIA, as representative of recent work in the Chapter area. Architect: James Ingham Clark, TSA-AIA, Corpus Christi.

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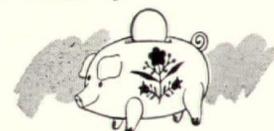
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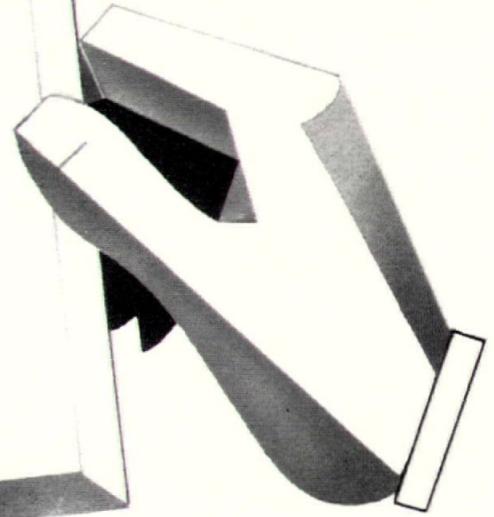
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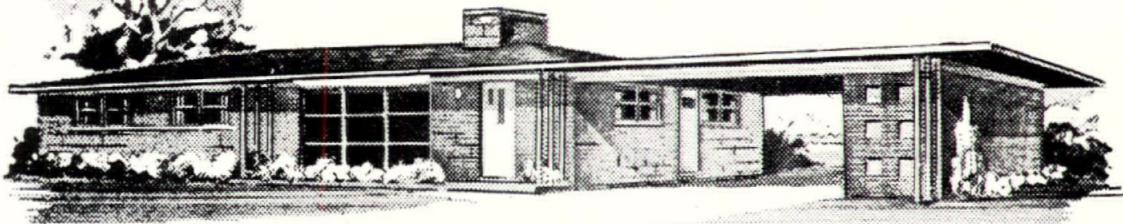


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# THE TEXAS ARCHITECT

VOLUME 8

AUGUST, 1957

NUMBER 5

Official Publication of

THE TEXAS SOCIETY OF ARCHITECTS

The Texas Regional Organization of The American Institute of Architects

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## WHY BUILDING COSTS ARE HIGHER

The reason building costs are higher is obvious to anyone who purchases anything today—from 31c cigarettes to a \$1.50 haircut, and not just to pick on cigarette manufacturers and barbers. Everything is higher.

The rather startling degree to which costs have climbed is clearly illustrated by recent figures of the Western Tax Council, quoted here by permission of the Houston CHRONICLE and Chicago DAILY NEWS. To put it briefly, a man with a wife and two children who earned \$5,000 in 1939 will have to earn \$12,410 in 1957 just to stay even. And this takes into account the effects of inflation, the rise in personal income taxes, and the increase of corporate income taxes.

The council compiled this table for the mythical taxpayer with a wife and two children:

1939 Earnings	Equivalent 1957 Earnings
\$1,200	\$2,433
1,800	3,924
2,500	5,780
3,000	7,193
4,000	9,749
5,000	12,410
7,500	19,599
10,000	27,227
15,000	47,557
25,000	102,109

"The major responsibility for this lamentable situation lies in the large federal budgets we have enacted over the years," said Frank E. Packard, executive vice-president of the council, which has offices in Chicago.

## The President's Letter

By  
Fred J. MacKie  
TSA-AIA

President,  
Texas Society  
of Architects



One of the important groups within TSA is the Publication Board, the members of which are listed on this masthead page of the TEXAS ARCHITECT each month. The Publication Board has the important task of guiding the editorial staff responsible for the actual production of the magazine circulating to 8500 carefully-selected Texans over the state.

At a five-hour meeting attended by representative Publication Board members from every part of Texas, a broader future for the TEXAS ARCHITECT was charted in Austin August 3. Basic policies were examined, and the needs to be fulfilled in the next few years by the magazine were carefully studied. Board members then discussed in great detail a list of 24 specific recommendations for broadening editorial coverage. The result was a series of recommendations to the Executive Board of TSA and to the Public Relations Committee, key TSA group which has functions and helps to set programs that interlock to a considerable extent with those of the Publication Board.

This August 3 meeting, bringing together men from every section of the state representing the 13 Chapters, is typical of the continual activity within a large professional organization. Out of the Austin meeting, in due time, will come a TEXAS ARCHITECT with more pages per issue and a somewhat broadened coverage, emphasizing a number of facets concerning architecture which have been found to be of unusual interest to both the public and the practicing architect. The members of the Publication Board, although they must invest a considerable amount of their own time in the process, will profit by additional participation in TSA affairs, and by having helped to produce a magazine of greater service to public and practitioner alike. Readers of the TEXAS ARCHITECT will benefit also as the publication gradually expands its coverage and brings about a wider understanding of the functions and services of the architect.

# Representative Selection, Coastal Bend Chapter, AIA

**PROJECT:** International Business Machines Building,  
520 South Chaparral Street, Corpus Christi

**ARCHITECT:** James Ingraham Clark, TSA-AIA, of Corpus Christi

**GENERAL CONTRACTOR:** Braselton Construction Company,  
Corpus Christi

The new International Business Machines Building at 520 South Chaparral Street overlooking Corpus Christi Bay has been selected by the members of the Coastal Bend Chapter, AIA, as representative of recent work in the Chapter area.

The building is built on the side of "The Hill" overlooking Water Street, Shoreline Drive, The Civic Center and the bay. Advantage has been taken of the site to include drive-in parking on the lower level and an intermediate level — without the use of inside ramps. Above these two lower levels IBM has its main offices and display rooms on the Chaparral Street front (Corpus Christi's main street). The lobby contains the usual office building facilities of coffee bar and cigar stand, plus restroom facilities. Above the Chaparral Street floor are three more floors of offices which are leased to business and professional firms. The structure is topped with a penthouse, divided into three rental areas. The penthouses have been designed to serve as office and/or living quarters, having full bathroom facilities, kitchens and a bedroom in each. There is a patio overlooking the bayfront. The penthouses have wood-burning fireplaces, and have been completely carpeted and furnished.

As in most of IBM's new facilities throughout the country, the architect has provided for all utilities to be controlled by an electronic central control system. Wide use of IBM equipment is made throughout the building, to supervise heating, lighting, air-conditioning, signalling and music programming. A self-service, electronically-controlled and operated elevator serves the building. Each separate floor has its own individually-controlled heating and air-conditioning unit.

#### PRECAST CONCRETE USED

Structure is of precast lightweight concrete units with curtain wall panels on two sides, and the other elevations are of masonry construction. The plan-

ning of the building involved the organization of space and use of the various levels on a difficult site. Much attention was paid to the type of construction so the building could be quickly erected for use by IBM's expanding operations in the Corpus Christi area. Visitors at the November convention of TSA will probably not remember seeing this structure on the skyline — as ground breaking had just taken place at that time. The building was ready for occupancy by IBM on April 15, 1957.

Total square footage is approximately 28,500.

Ceilings are acoustic plaster — suspended. Lighting throughout is fluorescent. Window washing and wall cleaning can be accomplished for each floor from the overhangs. An access door at each floor is provided from the utility space so that tenants need not be disturbed. Exterior brick is salmon velour face brick; curtain wall panels in aluminum frames are blue; all glass is heat-absorbing plate. Much color has been used through the building in tile, floor covering, etc.

At the grand opening dedication in May, IBM officials including F. G. Smith, chief of IBM communications and a director of the company, from New York; L. E. Clark, Dallas District manager; and R. E. Strauss, Corpus Christi District engineer, attended. Also present were Mayor Farrell D. Smith and Chamber of Commerce President Jack Ryan of Corpus Christi.

The IBM Building is completely landscaped with grass, palm trees and tropical plantings which blend with the hill-side site to enhance the structure.



## Coastal Bend Chapter Selection

Another exterior view of the new IBM Building overlooking Corpus Christi Bay, which has been selected by members of the Coastal Bend Chapter, AIA, as representative of recent work in the Chapter area.

The building is of precast lightweight concrete units with curtain wall panels on two sides, the other elevations being of masonry. The building has made use of striking color combinations, with an exterior of salmon-colored face brick and blue curtain wall panels of aluminum.

The architect was James Ingraham Clark, TSA-AIA of Corpus Christi.

## Writer Predicts 70,000 New Churches, Synagogues By 1967

"It is reasonable to expect that in the coming 10 years some 70,000 churches and synagogues will be constructed," predicts George Cline Smith, noted construction economist, in *RELIGIOUS BUILDINGS FOR TODAY*, just published by F. W. Dodge Corporation, New York. The important question for those who will share in this construction is: Will our building be successful? Perhaps the most important move toward assuring success is engaging competent architectural service from the very beginning.

In this new book are surveys of 35 outstanding churches and synagogues with covering commentary and photographs, plus additional longer text sections by notable contributors. All this material gives a solid indication of what needs forthcoming buildings must fulfill, in addition to showing inspiring examples of successful religious architecture for today.

These new buildings will "only flower in the moment, if they are rooted in eternity," according to Otto Spaeth, one of 12 contributors to the book and a noted collector and authority in the field of liturgical arts. Our buildings, Mr. Spaeth continues, must not be copies from a European past, and they must be for eternity as we apprehend it "through a glass darkly." Mr. Spaeth's point is that the "glass" through which each age glimpses its eternity may clear or darken but its change is inevitable, and the vision of one age, no matter how fruitful, can never flower eternally.

Mr. Spaeth writes with wit and insight of the architectural blunders we have committed in our religious buildings because we have neglected to plan them in the context of our daily lives.

### NO RESTRICTIONS

The religious buildings included in this book know no restrictions of geographical location, religious faith, nationality, nor architectural style. The only point of similarity between these buildings is that they are all of today and were planned to fit into the active, everyday lives of their communicants.

In over 300 photographs and drawings, the exteriors, interiors, and many special features, such as lighting, works of art, and furnishings, are readily accessible as a source of creative ideas

and esthetic enjoyment.

In addition to the photographic and textural coverage of these 35 religious projects, *RELIGIOUS BUILDINGS FOR TODAY* contains special sections dealing with getting good church architecture, planning church schools, worship and the arts, and other important topics written by leading secular authorities, clergymen, and architects.

## C. D. Adams Elected Producers' Council President By Houston Chapter

The Houston Chapter of the Producers' Council has elected C. D. Adams of Minneapolis-Honeywell Co. president; G. W. "Gene" Summy of Crane Co., 1st vice president; James Antill of Dunne Co., 2nd vice president; R. P. Butler of Armstrong Cork Co., secretary; and Oscar G. Toelke, of The Koppers Co., Inc., treasurer.



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**NO. OF UNITS:** Three Separate Buildings

**TOTAL BUILDING AREA:** 85,000 Square Feet

**DATE STARTED:** June 6, 1956

**DATE COMPLETED:** October 5, 1956

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**Southwest Concrete  
Names W F. Tracy  
Production Chief**

George Bickel, President of Southwest Concrete Materials Corporation of Little Rock and Poyen, Ark. has announced the naming of W. F. Tracy as Vice-President in Charge of Production for the company. Mr. Tracy will be in charge of designing and construction for the company's \$750,000 plant which will begin building at Poyen in August. SCMC will produce lightweight concrete aggregate materials, rock, stone, sand and gravel. It is expected that the sand and gravel operation of the company will begin immediately.

Southwest Concrete Materials Corporation was recently organized to produce lightweight concrete aggregate materials.

Mr. Bickel, formerly of Dallas, was chief engineer for the Southwest Prestress Company of Dallas and Houston, manufacturing slabs, decking and pre-cast forms from lightweight concrete aggregate. Prior to that he was sales manager of the Featherlite Corporation of Dallas.

**ADVERTISERS' INDEX**

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Dezendorf Marble .....	6	Unit Structures .....	2
R. H. Folmar Co. ....	12	Texas Bitulithic .....	11
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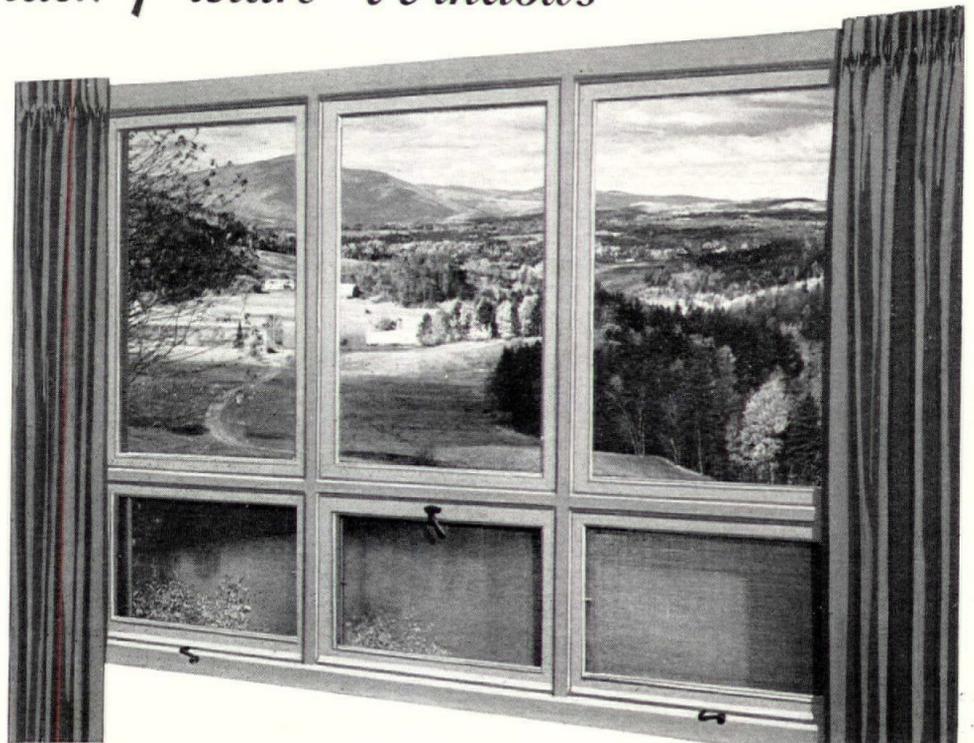
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# Applications Being Received For Fulbright Scholarships

Young American architects will have a chance to study abroad under the Fulbright scholarship program for 1958-59. Competition for these awards has opened and architects may apply between now and next November 1.

A chance to compare American and foreign design and to study foreign architectural developments is given to qualified candidates under the program authorized by the Fulbright Act. Participating countries of particular interest to young architects are Australia for city and regional planning, Denmark for city planning, farm building and landscape architecture (for advanced students only), Greece for classical architecture, Italy for general architecture and an especially good seminar under the auspices of the National Institute of City Planning in Rome, and the Netherlands for general architecture and garden and landscape architecture (for advanced students only).

Fulbright awards for pre-doctoral study and research in Europe, Asia and Latin America cover transportation, tuition, books and maintenance for one academic year.

## BASIC REQUIREMENTS

Basic eligibility requirements for these foreign study fellowships are United States citizenship, a college degree or its equivalent by the time the award will be used, knowledge of the language of the country of application sufficient to carry on the proposed study, and good health. Preference is given to applicants not more than 35 years of age.

Countries in which grants for graduate study are available under the Fulbright Act are Australia, Austria, Belgium, Burma, Chile, Denmark, Finland, France, Germany, Greece, India, Israel, Italy, Japan, the Netherlands, New Zealand, Norway, the Philippines, and the United Kingdom. In the Asian countries—Burma, India, Japan, and the Philippines, as well as in Greece, mature candidates are preferred.

## 900 AMERICANS PARTICIPATE

The Fulbright program is part of the international educational exchange activities of the Department of State. It will give more than 900 American citizens the chance to study abroad during the 1958-59 academic year. Since the establishment of the program over 6000 American students have received grants for foreign study.

Persons interested in these awards can receive further information by writing to the Institute of International Education in New York City or its regional offices for the brochure "United States Government Grants." The Information Division of IIE will also answer inquiries from applicants concerning study facilities abroad.

The Texas Regional office is located at 401 Milam Building, Texas Avenue & Milam Street, Houston 2, Texas.

Martin Kermacy, TSA-AIA of Austin, returned last year from 12 months of study in Europe as a Fulbright scholar.

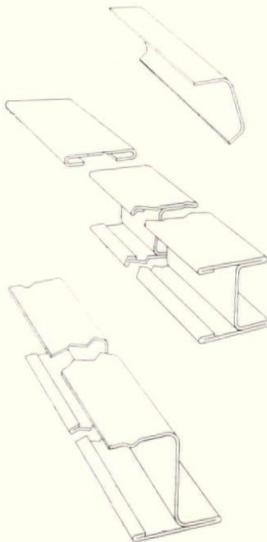


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DALLAS

# New AIA Standard Form Of Agreement Between Architect And Client

By Murrell Bennett

TSA-AIA of Dallas, Chairman of TSA Office Practice Committee

The standard agreement between the Architect and his Client, a basic document of great importance to both parties, is being updated by the American Institute of Architects. The Office Practice Committee of the Institute, after two years of study, has developed a new draft which is somewhat more detailed but which sets out more clearly the responsibilities of



**Murrell Bennett** the Architect and also those of his Client when he employs an Architect.

David C. Baer, TSA-AIA of Houston, chairman of the national AIA Office Practice Committee, has been instrumental in the long months of work resulting in the new draft. He recently received the coveted Edward C. Kemper Award for his efforts as head of the National Office Practice Committee.

This new form is prepared in three types based on the method of payment. The usual Percentage of Project Construction Cost type is the prototype, but from this have also been developed types for use when "A Multiple of Direct Personnel Expense" or "A Professional Fee Plus Expense" form the basis of payment.

The chief goals of the Committee were:

a. To update the stipulations in the Client-Architect Agreement to conform to today's practice in the architectural profession.

b. To upgrade, whenever possible, the level of professional practice.

c. To meet criticism directed at the present Client-Architect Agreement forms by both AIA members and those outside the profession.

The specific objectives were:

a. To reduce the partly unilateral nature of the Agreement presently in use by providing a statement of work which covers adequately, with a minimum of detail, the services which the Architect performs for the Client.

b. To establish four phases for the work in order to provide a full procedure for obtaining Client approval during the progress of the work.

c. To better designate specific special services not included under the basic rate, and to provide payment therefor in a specific manner should such services be required due to unexpected circumstances in connection with any particular project.

d. To set out special items of expense to be reimbursed to the Architect, and establish a procedure for such reimbursement.

e. To incorporate in the document the Architect's specific responsibility for keeping the Client informed of the probable cost of the project.

f. To state any existing budget limitations.

g. To provide that the Architect shall maintain his accounting on a recognized basis insofar as reimbursable items and the Owner-Contractor accounts are concerned.

h. To provide a means of termination by either the Client or the Architect in case either becomes delinquent under the Agreement.

i. To specify insurance to be carried by the Architect, so that the same responsibility required of the construction contractor in this regard is carried out by the Architect.

The following draft of the Agreement for use when payment to the Architect is based on a Percentage of the Project Construction Cost, and including the statement of the Conditions of the Agreement beginning on the adjoining page, is the draft recommended by the Committee. It marks a milestone in the progress of improving the Standard Documents of the American Institute of Architects.

The "Statement of Conditions" may be used separately as an enclosure in a form type letter to set out the usual "Conditions of the Agreement" between the Architect and his Client, if a formal contract is not required.

When finally approved by the Board of Directors, AIA, these Agreements in printed form may be obtained for use from AIA Headquarters, 1735 New York Avenue, N. W., Washington 6, D. C.

## THE STANDARD FORM OF AGREEMENT BETWEEN CLIENT AND ARCHITECT

AIA DOCUMENT (Number to be assigned)

### CLIENT-ARCHITECT AGREEMENT — BASED ON PERCENTAGE OF PROJECT CONSTRUCTION COST

Issued by The American Institute of Architects

Copyrighted 1957

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ in the year Nineteen Hundred \_\_\_\_\_ in \_\_\_\_\_ BY AND BETWEEN \_\_\_\_\_

whose relationship to this project is that of:

\_\_\_\_\_, hereinafter called the Client, and \_\_\_\_\_, hereinafter called the Architect

WITNESSETH, That whereas the Client intends to \_\_\_\_\_

hereinafter called the Project.

NOW, THEREFORE, The Client and Architect for the consideration hereinafter set forth agree as follows:

The Architect agrees to perform professional services as hereinafter set forth for the above project.

The Client agrees to pay the Architect as compensation for the basic services \_\_\_\_\_ per cent ( \_\_\_\_\_ %)

of the Project Construction Cost, hereinafter referred to as the Basic Rate, with other payments and reimbursements as hereinafter provided, and he further agrees that the Basic Rate applies to the project let under a single construction contract. If work is let on a cost-plus basis, increase the Basic Rate to \_\_\_\_\_ per cent ( \_\_\_\_\_ %) on such cost-plus work. If portions of the work are let separately from the general construction contract, increase the Basic Rate for such work let separately to \_\_\_\_\_ per cent ( \_\_\_\_\_ %).

THE PARTIES HERETO FURTHER AGREE TO THE FOLLOWING CONDITIONS:

# CONDITIONS OF THE CLIENT-ARCHITECT AGREEMENT

When Payment to the Architect Is Based on a  
Percentage of Project Construction Cost

## I. BASIC SERVICES OF THE ARCHITECT

### 1. SCHEMATIC DESIGN PHASE

- a. The Architect shall consult with the Client to ascertain the requirements of the project and shall confirm such requirements to the Client.
- b. He shall prepare schematic design studies leading to a recommended solution together with a general description of the project for approval by the Client.
- c. He shall submit to the Client a statement of the probable project construction cost based on current area, volume or other unit costs.

### 2. DESIGN DEVELOPMENT PHASE

- a. The Architect shall prepare from the approved schematic design studies, the basic design development documents including plans, elevations and other drawings and outline specifications to fix and illustrate the size and character of the entire project in its essentials as to kinds of materials, type of structure, mechanical and electrical systems and such other work as may be required to integrate the design.
- b. He shall submit to the Client a further statement of the probable project construction cost and, when authorized by the Client, obtain a semi-detailed estimate of such cost.

### 3. CONSTRUCTION DOCUMENT PHASE

- a. The Architect shall prepare from the approved design development documents working drawings and specifications setting forth in detail and prescribing the work to be done, and the materials, workmanship, finishes and equipment required for the architectural, structural, mechanical, electrical, and site work, and for service-connected equipment, and the necessary bidding information, proposal and contract forms, and general and special conditions of the contract.
- b. He shall submit to the Client adjustments to previous statements of the probable project construction cost resulting from changes in scope, requirements or market conditions and when authorized by the Client, obtain a detailed estimate of such cost. Due to market fluctuations and other conditions beyond his control, the Architect does not guarantee statements or estimates of project construction costs.

- a. The Architect shall assist the Client in obtaining proposals from contractors, and in awarding and preparing construction contracts.
- b. The Architect shall keep the Client informed of project work; check and approve schedules and shop drawings for general compliance with design only; maintain construction accounts; prepare change orders; examine contractors' applications for payment; issue certificates for payment in amounts approved by the Architect; provide general administration of the construction contract including periodic inspections at the site; confirm date of substantial completion; make final inspection of the project; assemble written guarantees required of the contractors; and issue the Architect's certificate of final completion and final certificate for payment.
- c. The Architect shall endeavor to guard the Client against defects and deficiencies in the work of contractors, but he does not guarantee contractors' performance under their contracts.

### 4. CONSTRUCTION PHASE

- a. The Architect shall assist the Client in obtaining proposals from contractors, and in awarding and preparing construction contracts.
- b. The Architect shall keep the Client informed of project work; check and approve schedules and shop drawings for general compliance with design only; maintain construction accounts; prepare change orders; examine contractors' applications for payment; issue certificates for payment in amounts approved by the Architect; provide general administration of the construction contract including periodic inspections at the site; confirm date of substantial completion; make final inspection of the project; assemble written guarantees required of the contractors; and issue the Architect's certificate of final completion and final certificate for payment.
- c. The Architect shall endeavor to guard the Client against defects and deficiencies in the work of contractors, but he does not guarantee contractors' performance under their contracts.

d. When recommended by the Architect and approved by the Client, a full time project inspector will be selected, employed and directed by the Architect, who will be reimbursed for the salary and expense thereof by the Client.

e. The Architect, if requested by the Client in writing, will make an inspection of the project prior to expiration of the guarantee period and report observed discrepancies under guarantees provided by the construction contracts.

## II. EXTRA SERVICES OF THE ARCHITECT

The following services, if performed due to unusual circumstances, cause the Architect extra work and expense, and shall be paid for by the Client as provided for in Article VI: Making planning surveys and special analyses of the Client's needs to clarify his requirements for the project.

Making measured drawings of existing construction when required for planning additions or alterations thereto. Revising previously approved drawings or specifications to accomplish changes offered by the Client.

Preparing documents for alternate bids and change orders. Supervising the replacement of any work damaged by fire or other cause during construction. Arranging for the work to proceed should the contractor default due to delinquency or insolvency;

Providing prolonged contract administration and inspection of construction should the construction contract time be exceeded by more than 25% due to no fault of the Architect.

Preparing as-built drawings showing construction changes in the work and final locations of mechanical service lines and outlets, if required by client.

## III. THE CLIENT'S RESPONSIBILITIES

1. The Client shall provide full information as to his requirements for the project.

2. The Client shall designate, when necessary, representatives authorized to act in his behalf. He shall examine documents submitted by the Architect and render decisions pertaining thereto promptly, to avoid unreasonable delay in the progress of the Architect's work. He shall observe the procedure of issuing orders to contractors only through the Architect.

3. The Client shall furnish or direct the Architect to obtain at the Client's expense, a certified survey of the site, including grades and lines of streets, alleys, pavements, and adjoining property, rights of way, restrictions, easements, encroachments, zoning, deed restrictions, boundaries, and contours of the building site; locations, dimensions, and complete data pertaining to existing buildings, other improvements and trees; full information as to available service and utility lines both public and private; and soil mechanics investigation tests and reports necessary for determining subsoil conditions.

4. The Client shall pay for structural, chemical, mechanical, or other tests when required.

5. The Client shall arrange and pay for legal and auditing advice and services required for the project.

## IV. ESTIMATES OF PROJECT CONSTRUCTION COST

1. If a fixed limit of project construction cost is stated hereinbefore, or if otherwise authorized by the Client, esti-

mates of construction cost prepared in semi-detailed form by an experienced estimator will be secured but not guaranteed by the Architect and will be paid for by the Client.

2. If the estimated construction cost or the lowest bona fide proposal is in excess of any limit stated herein, the Client shall give written approval of an increase in the limit or he shall co-operate in revising the project scope and quality to reduce the cost as required.

#### V. PROJECT CONSTRUCTION COST

1. Construction Cost of a project as herein referred to means the total cost of all work designed or specified by the Architect, including change orders, but does not include any payments made to the Architect or consultants.

2. Project Construction costs shall be based on:

a. The Architect's latest statement of probable project construction cost as defined above.

b. Estimate of project construction cost as defined above.

c. Lowest or accepted bona-fide Contractor's proposal received for any or all portions of the project including alternate proposals.

3. When labor or material is furnished by the Client below its market cost, the consideration cost of the work shall be computed on its current market cost.

4. No deduction shall be made from the Architect's compensation on account of penalty, liquidated damages, or other sums withheld from payments to contractors.

#### VI. PAYMENTS TO THE ARCHITECT

1. Payments on Account of the architect's basic services shall be in proportion to the Basic Rate stated hereinbefore as follows:

a. A retainer of 5 per cent of the Basic Rate will become due upon the execution hereof and will be the minimum payment on account to this agreement.

b. Subsequent payments shall be made monthly to increase the compensation to the following percentages of the basic rate at the completion of each phase of the work:

1) Schematic Design Phase .....	15%
2) Design Development Phase .....	35%
3) Construction Document Phase .....	75%
4) Award of Construction Contract .....	80%
5) Completion of Project .....	100%

2. Payments for extra services of the architect as described in Article II above, shall be made in the following month on the basis of \_\_\_\_\_ times the Direct Personnel Expense incurred by the Architect. Direct Personnel Expense shall include the time of principals and personnel of the Architect's office directly engaged in performing such extra services pertaining to the project. A principal's time shall be included at the rate of \$ \_\_\_\_\_ per hour, and the time of the office personnel at current rates and conditions. Any engineers' or other consultants' time required in connection with these extra services shall be paid for at \_\_\_\_\_ times the net expense to the Architect.

#### VII. REIMBURSEMENTS TO THE ARCHITECT

Disbursements made by the Architect in the interest of the project for the following incidental and indeterminable expense items shall be reimbursed monthly by the Client:

1. Expense of transportation and living of principals and personnel when traveling in connection with the project; long distance calls and telegrams; reproduction of drawings and specifications, excluding copies for Architect's

office use and duplicate sets at each phase for the Client's review and approval; and fees paid for securing approval of authorities having jurisdiction over the project.

2. The expense of special items authorized in advance by the Client including: Project Inspector, overtime work requiring higher than regular rates, estimates of project construction cost, and display perspectives or models for Client's use.

3. The fees of special consultants, for other than the normal structural, mechanical and electrical engineering services, when their employment is authorized by the Client.

#### VIII. ACCOUNTING RECORDS OF THE ARCHITECT

Project records of the Architect's reimbursable personnel time and expense items, and records between the Client and Contractor shall be kept on a generally recognized accounting basis and shall be available to the Client or his authorized representative at a mutually convenient time.

#### IX. ABANDONMENT OR SUSPENSION

If any work designed or specified by the Architect is abandoned or suspended in whole or in part, the Architect is to be paid for the service rendered on account of it prior to receipt of notice from the Client in writing, together with any terminal expense resulting from substantial abandonment.

#### X. TERMINATION OF AGREEMENT

This agreement may be terminated by either party upon seven days' written notice should the other party fail substantially to perform in accordance with its terms through no fault of the other. In such event the Architect shall be paid for services rendered to termination date, including reimbursements then due, plus terminal expense if the Client has failed to perform.

#### XI. OWNERSHIP OF DOCUMENTS

Drawings and specifications as instruments of service are the property of the Architect whether the project for which they are made be executed or not. They are not to be used on other projects except by agreement in writing.

#### XII. INSURANCE TO BE CARRIED BY THE ARCHITECT

The Architect shall carry insurance to protect him from claims under Workmen's Compensation Acts; from claims for damages because of bodily injury, including death to his employees, and the public; and from claims for property damage.

#### XIII. ARBITRATION

Arbitration of all questions in dispute under this Agreement shall be at the choice of either party and shall be in accordance with the provisions, obtaining at the date of this Agreement, of the Standard Form of Arbitration Procedure of The American Institute of Architects, and the decision of the arbitrators shall be a condition precedent to the right of any legal action.

#### XIV. SUCCESSORS AND ASSIGNS

The Client and the Architect each binds himself, his partners, successors, legal representatives, and assigns to the other party to this Agreement and to the partners, successors, legal representatives and assigns of such other party in respect of all covenants of this Agreement. The Architect may assign a portion of his financial interest to a recognized financial institution for underwriting operations covered by this Agreement. Except as above, neither the Client nor the Architect shall assign, sublet or transfer his interest in this Agreement without the written consent of the other.

# Texas Cities Study New Program Aimed At Halting, Clearing Slums

Texas cities are showing increasing interest in a joint Federal-state program aimed at making it possible for local communities to arrest slum conditions and move ahead with a sound program of urban development. TSA members are expected to take an active part in the program.

At Austin August 6, state and Federal officials joined forces in a coordinated attack on stopping deterioration in cities and towns and replacing blighted areas. A newly-organized state Urban Renewal Advisory Committee conferred with Federal representatives.

State Health Commissioner Henry A. Holle said the action "marked the birth of a new era in urban development."

#### TSA EXECUTIVE SPEAKS

John G. Flowers, executive secretary of the Texas Society of Architects, said: "This is not a 2-year program. This is going to go on the rest of our lives.

"If you don't set some standards, you are creating slums for the next generation.

"One of the humanitarian acts of the 55th Legislature was passage of House Bills 70 and 434 which put Texas on a par with any other state in the nation and ahead of most in the bright new field of urban development," Mr. Holle told the committee.

House Bill 70 authorizes cities to vote whether they want to spend money to rehabilitate slum areas. The federal government would participate, paying two-thirds the cost.

House Bill 434, which went into effect August 22, Charges the Texas State Health Department with assisting cities under 25,000 population in planning rehabilitation of slum areas. The Urban Renewal Committee, appointed by Mr. Holle, is a result of the new legislation. The committee at its August 6 meeting in Austin began the study of specific means of coordinating its program with that of the Federal government.

#### FOR NEXT GENERATION

The joint federal-state-town program would do this:

1. Encourage cities under 25,000 population to plan for urban development, public improvement works, and to eliminate and prevent recurrence of blight areas.

2. Provide federal grants through the Federal Housing Act to defray one-half the urban planning costs for cities needing the financial aid.

#### LIST 26 CITIES

Already 26 cities have indicated they are interested in securing planning assistance. They are: Andrews, Breckenridge, Brownwood, Cleburne, Cisco, Crystal City, Decatur, Diboll, Ennis, Graham, Grand Prairie, Greenville, Harlingen, Jacksonville, Mercedes, Mission, Richmond, Rockport, Rosenberg, Savoy, Texas City, Uvalde, Vernon, Waxahachie, Wharton and Yoakum.

Federal House and Home Finance Agency Planning Program Director Tracy B. Augur of Washington said, "the whole purpose is to arrest slum conditions. Industry won't go into a town that isn't attractive. An unattractive town won't grow."

The Committee elected Joe Driskell of Fort Worth, as chairman. Mr. Driskell urged the committee to consider requiring minimum housing ordinances from participating towns.

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## June, 1957, Contracts 10% Above Last Year, Dodge Report Indicates

June contracts for future construction in the United States totalled \$3,243,486,000, an increase of 10 percent over the same month last year, F. W. Dodge Corporation, construction news and marketing specialists, reported. Total construction contracts for the first half of 1957 amounted to \$16,958,005,000, up five percent from the comparable period last year.

Contracts for non-residential buildings were valued at \$1,186,448,000 in June, 16 percent above the year-earlier level. Nearly all types of non-residential buildings shared in the increase; the largest gains were registered by hospital buildings and manufacturing buildings. For the first six months of this year, non-residential building contracts totalled \$5,970,747,000, five percent higher than the corresponding period of 1956.

### RESIDENTIAL BUILDING DOWN

June contracts for residential buildings amounted to \$1,155,049,000, down four percent from a year ago. The entire decline was accounted for by a decrease in contracts for one-and-two-family houses. Residential building contracts for the first half of 1957 were valued at \$6,483,314,000, five percent below the first half of 1956.

The number of housing units contracted for in June totalled 86,549, a drop of 12 percent compared to June 1956. The number of housing units for the first half of 1957 amounted to 499,490, a decline of 11 percent from the comparable 1956 period.

The sharper decline in unit volume than in dollar value in the residential category can be accounted for by the trend toward larger and more costly homes.

The dollar value of heavy engineering contracts in June was \$901,989,000, an increase of 25 percent over June 1956. A substantial gain in the public works category more than offset a decline in the utilities category. Heavy engineering contracts for the first half of 1957 amounted to \$4,503,944,000 a rise of 21 percent over the corresponding period last year.

## AIA STUDIES HISTORIC BUILDINGS

The AIA national Committee on Preservation of Historic Buildings is increasing rapidly its inventory of historic structures across the U. S. Committee members in every state are sending in completed forms giving details concerning historic buildings in their area. The forms are being used as the basis of a valuable nationwide record and inventory.

Typical of the new activity in this regard was a short course in preserva-

tion of historic buildings, given July 25-27 at Lexington, Ky. and attended by many AIA members.

Marvin Eichenroht, TSA-AIA of San Antonio, is chairman of the TSA regional committee on the preservation of Texas' many fine historic treasures. He has been very active in this work for a number of years, being aided by members of his committee from every TSA chapter.



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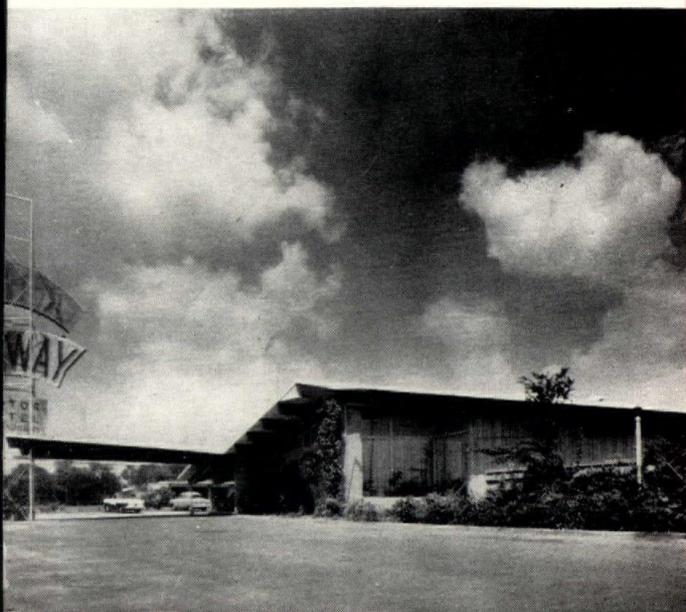
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## IN THIS ISSUE

- New Client-Architect Agreement Has Basic Importance
- Dallas Chapter Plans For Convention
- Representative Selection By Lower Rio Grande Valley Chapter, AIA

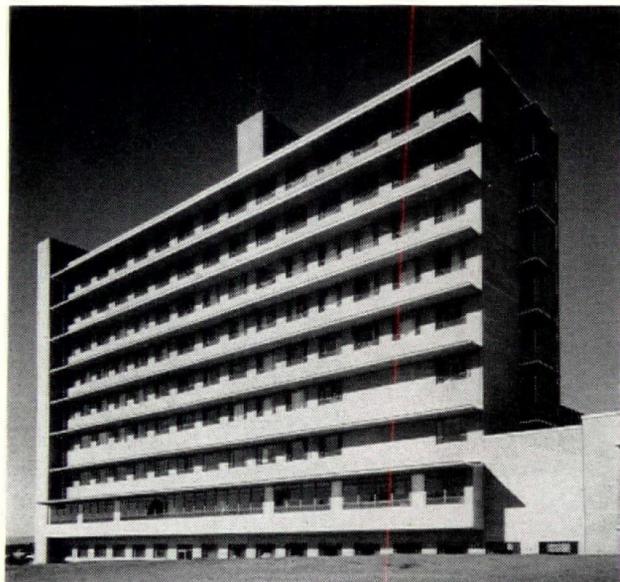


The Fairway Motor Hotel at McAllen has been selected by members of the Lower Rio Grande Valley Chapter, AIA, as representative of recent work in the Chapter area. Architect: John G. York, TSA-AIA, Harlingen and Corpus Christi.



*The Donald Sharp Memorial Hospital, San Diego, Calif. Architects: Stone & Mulloy and S. P. Marraccini, San Francisco. Structural engineer: George Washington, San Francisco. Contractor: Trepte Construction Co., San Diego.*

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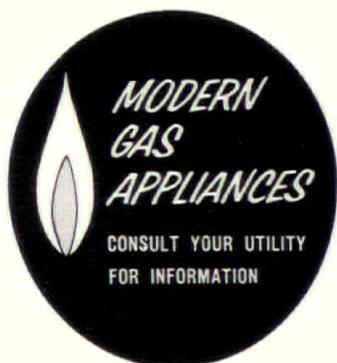
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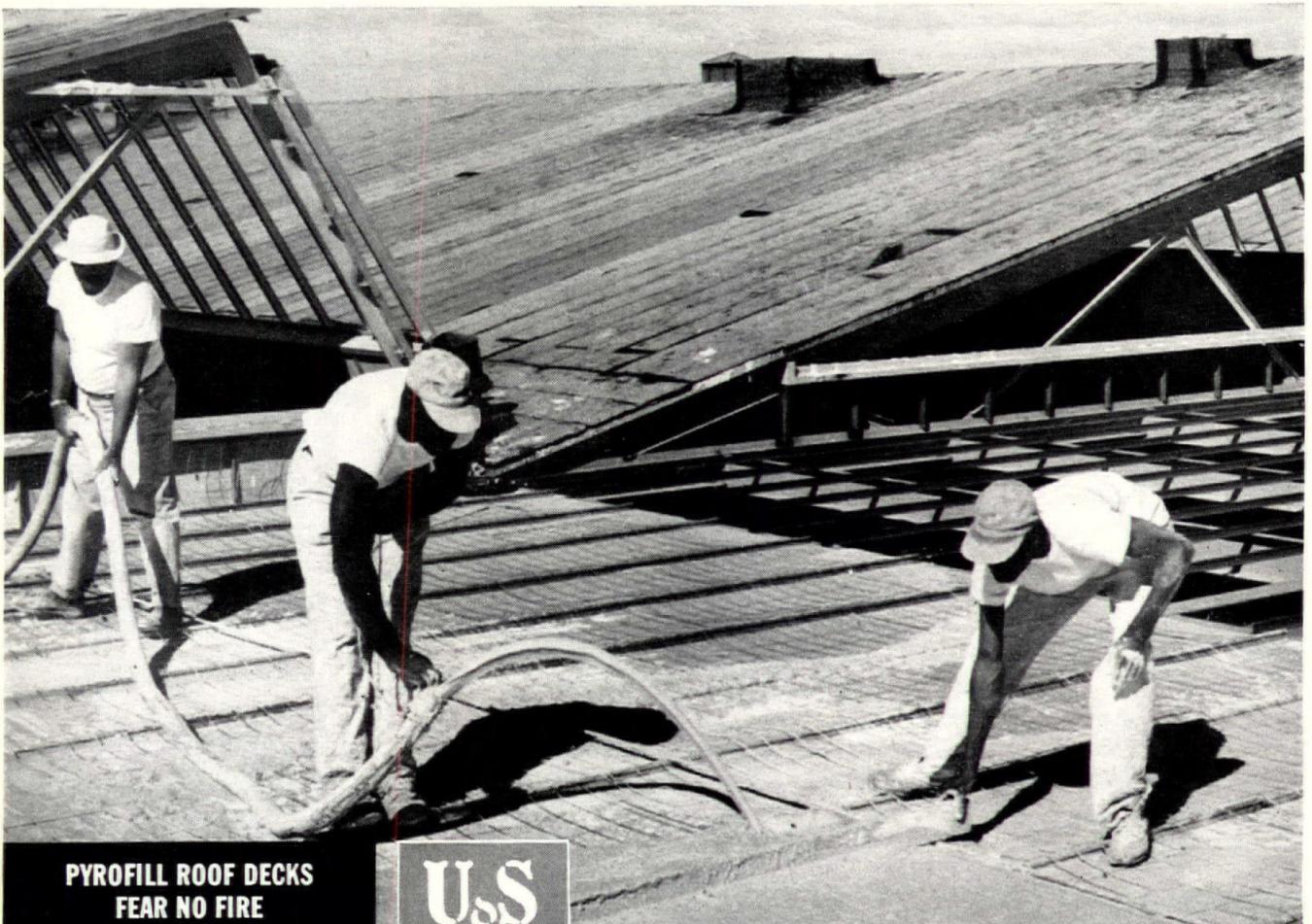
The performance requirements of today's roof deck are many and varied. That's why it takes the right combination of men and materials to assure top performance.

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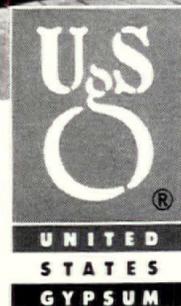
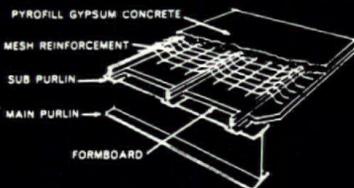
durable, extremely adaptable; can be quickly poured in place over permanent decorative formboards.

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The Texas Regional Organization of The American Institute of Architects

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## New Agreement of Key Importance

Every profession is greatly affected by the relationships between the practitioner and his clients. For this reason, the new American Institute of Architects client-architect agreement previewed in the August issue of the TEXAS ARCHITECT is of key importance.

The result of many months of work by the national AIA Office Practice Committee, the agreement provides a clearly delineated basis for mutually beneficial relationships. With rapidly changing conditions in business, industry, and the professions, it has become apparent that basic documents regulating practitioner-client relations must now undergo periodic review, perhaps considerably more often than in the past. The AIA is to be congratulated for its forthright approach to the matter, and for the long months of research, study, and effort which have produced a document of great utility.

Because of its basic importance, the new agreement should be of particular interest not only to the architects of Texas, but to clients, prospective clients, members of official bodies, those from allied professions, contractors, suppliers, and all who are directly or indirectly concerned with building. We invite you to review the document, as it appeared in the last issue of this magazine prior to its being printed for actual distribution by the AIA.

## The President's Letter

By  
Fred J. MacKie  
TSA-AIA

President,  
Texas Society  
of Architects



The annual convention of TSA, as for any other professional organization, is a major event for the architect, client, architectural student, suppliers, members of allied professions, and others.

At Austin on Saturday, September 14, the Executive Board of TSA will devote much of an all-day session to what may be TSA's most well-attended and important convention to date — the eighteenth annual meeting in Dallas October 30-November 1. Members of the Dallas Chapter have been at work for months on arrangements for the three-day meeting at the Statler Hotel, and are now ready to move into final details.

From preliminary indications, more than half of the total TSA membership of 1100 will move into the North Texas city for the convention, which has an appealing theme, outstanding speakers and seminar participants, and interesting business sessions to combine with a social program typical of Dallas hospitality. Exhibit space at the Statler is already at a premium, with producers and suppliers anxious to show new products and services to a captive audience of hundreds of architects.

One particularly attractive phase of the Dallas convention will be open to the general public. This is "Texas Architecture — '57," the annual display of prize-winning architecture which regularly attracts national attention. "TA — '57" will again be on exhibit prior to the convention at the State Fair of Texas. More than 2,000,000 persons have seen this show in the past, and we urge you now to make it a "must" if you are at the Fair this October.

# Representative Selection, Lower Rio Grande Valley Chapter, AIA

**PROJECT:**  
Fairway Motor Hotel, McAllen

**ARCHITECT:**  
John G. York, TSA-AIA,  
Harlingen and Corpus Christi

**CLIENT:**  
Fairway Land Company

A project less than 10 miles from the U.S.-Mexico border, at McAllen, has been selected by members of the Lower Rio Grande Valley Chapter, AIA, as representative of recent work in the Chapter area.

The winning selection is the Fairway Motor Hotel, designed by John G. York, TSA-AIA of Harlingen and Corpus Christi, for the Fairway Land Company and Bill Wilson of McAllen, president; and John Crooker, Jr. and Flint Sawtelle, Houston attorney and businessman.

Adjacent to the McAllen International Airport, the facility was designed to attract both air travelers and the heavy volume of tourists headed inland or for the nearby Mexican border city of Reynosa, which has been developing as an important petroleum and commercial center.

## Expansion Already Underway

The motor hotel was originally opened in March, 1957 with 61 units plus a restaurant, service station under lease to Continental Oil Company, swimming pool, manager's quarters, control building, mechanical building, and storage building. Two new structures containing an additional 22 units are now under construction and slated for immediate completion, bringing the unit total to 83.

The Fairway is laid out in a free, informal manner using the basic four-unit buildings for maximum efficiency. Each building has a private patio opening, reached through the living area, in the South Texas tradition. The problem of heat and glare, present during much of the year near the border, has made advisable the use of ample overhangs for protection and comfort.

The entire facility is of course air-conditioned, with a chilled-water, year-round system that has individual thermostatic controls.

Construction details include concrete slab foundation, pipe columns and wood laminated beams, and a heavily-insulated roof deck. Other features are

adobe brick cavity walls and plywood interiors. The entire interior has been professionally decorated in conformity with the architectural design and overall concept.

Mexican tile has been used on all terraces and dining rooms, and in the control building. The rental units are carpeted with tile baths.

## Long-Range Program Planned

Construction to date at the Fairway is only part of a long-range program which the architect studied in detail before beginning the first and second stages of expansion. The overall plan envisions up to 150 guest units, additional swimming pools, a complete suburban shopping center to serve nearby residents, and apartment-type rental units to attract McAllen's heavy influx of winter visitors and permanent residents.

Landscaping has been carried out in conjunction with the first two stages of construction, featuring shrubs and trees of the area.

## Urban Planning Meeting In San Antonio, September 30

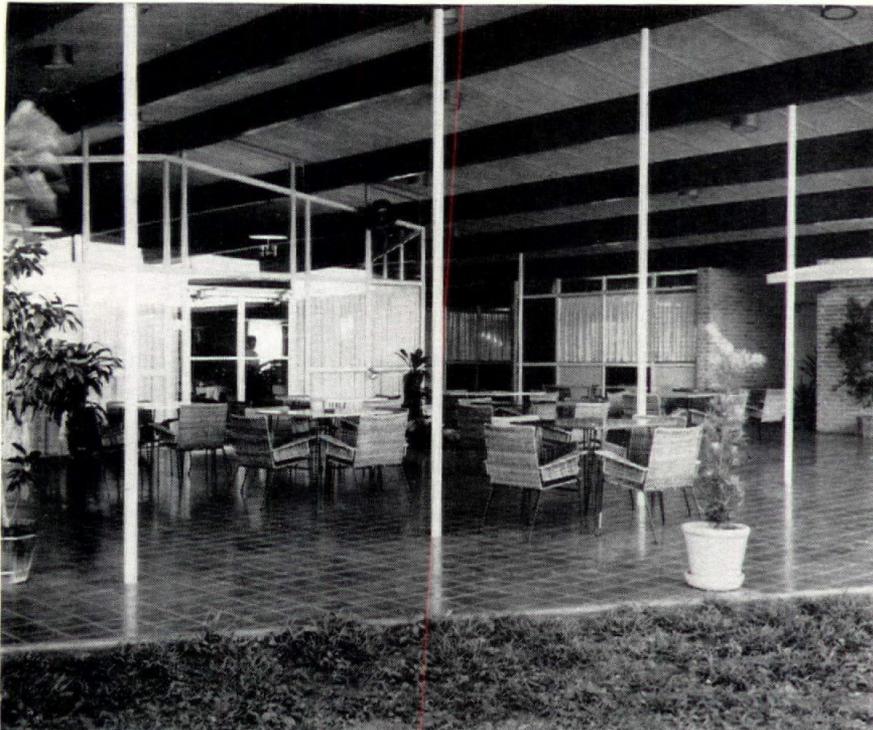
A meeting has been announced to explain urban planning for Texas cities under 25,000 population. The meeting, announced by V. M. Ehlers, Director of the Division of Sanitary Engineering of the State Health Department, will be held September 30 at the Gunter Hotel in San Antonio.

A before lunch session will be devoted to explanation of the program and the means by which cities can qualify for planning assistance. The Federal Urban Renewal planning program which is administered in Texas by the State Health Department provides for matching local funds with Federal grants. During an afternoon session the newly appointed Advisory Board will answer questions concerning the program.

This meeting will be a part of the program of the Convention of the Texas League of Municipalities. All interested parties including architects, engineers and other professionals are urged to attend.

Charles T. Granger, Jr., TSA-AIA, Austin Architect, has been appointed to the Advisory Board of the State Health Department. He will speak for the architectural profession and TSA on this important body.

## Motor Hotel Near Border



—Photo by Jack Purnell, Harlingen

A typical area at the Fairway Motor Hotel near McAllen and the Mexican border. Pipe columns, Mexican tile floor, adobe brick, and laminated wood features of construction are shown. The hotel, in deep South Texas, was designed by John G. York, TSA-AIA of Harlingen and Corpus Christi. Members of the Lower Rio Grande Valley Chapter, AIA, selected the project as representative of recent architectural work in the area.

# Record Attendance Anticipated At TSA Convention In Dallas

There are early indications that the eighteenth annual TSA convention in Dallas October 30-November 2 may draw the largest registration since TSA was organized almost two decades ago.

A compelling theme — that of urban renewal — excellent speakers, seminar participants, and the prospect of a social program in the great tradition of Dallas hospitality is combining to roll up record pre-registration figures for the three-day event. Convention headquarters will be at the Statler Hotel.

Jack Corgan, TSA-AIA of Dallas, is general chairman for the October 30-November 2 sessions. Among nationally-known architects scheduled to participate in seminars opening October 31 is Charles Luckman, former head of Lever Brothers who has returned to architectural practice in Los Angeles. Mr. Luckman will use graphic materials illustrating the problems of urban blight and renewal in Los Angeles during his presentation.

## DIRECTORS MEET EARLY

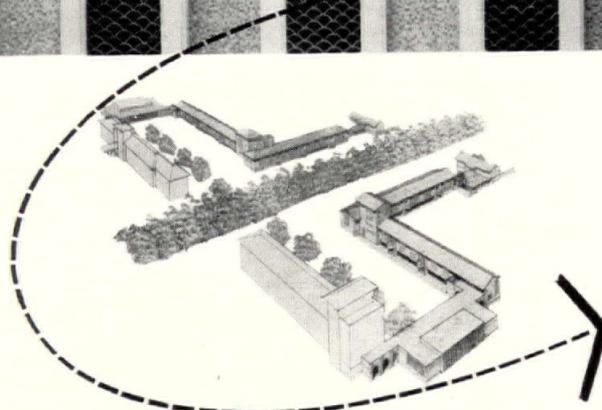
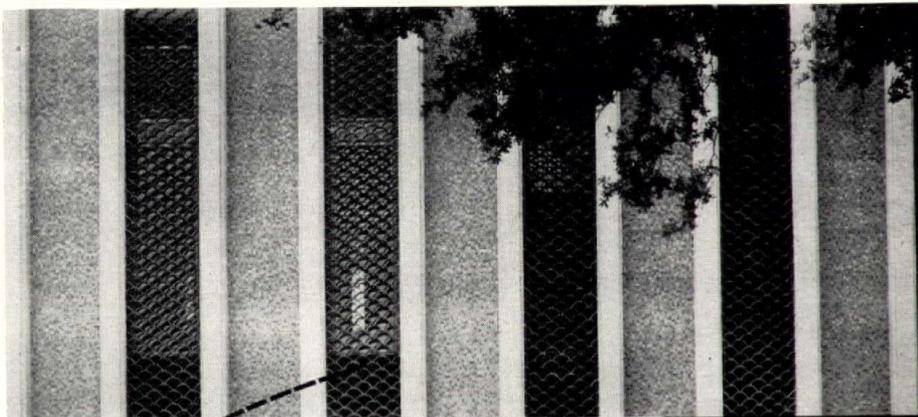
A series of business sessions in con-

junction with the convention will open October 30 as TSA directors and officers convene on the eve of the annual meeting.

Seeking early registration and a wide representation from each of the 13 TSA Chapters across the state, Dallas Chapter officials will hold an unusual drawing with winners to be the guests of Dallas architects at small din-

ners in their homes during the convention. Among other social events will be the traditional golf tourney and opening cocktail party on October 30, a gala costume ball, and the President's Dinner Dance.

Exhibit space at the convention, limited to less than 100 spaces, is being rapidly sold out, TSA headquarters reports from Austin. There are still a limited number of booths available, however, through John G. Flowers, Jr., executive director of TSA, at 327 Perry-Brooks Building, Austin.



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Tile Contractors: J. C. Narciso Tile Company

Another Outstanding CREST TILE-SET\* Installation: 5400 Square Feet of GLASS MOSAIC PANELS FOR RICE INSTITUTE DORMITORY GROUP

## Economist Predicts Homebuilding Upsurge To Begin By Mid-1958

Economist Charles F. Roos predicts that residential home construction, spurred by rising population and by the destruction of thousands of homes in connection with new highway building, will be accelerated as early as mid-1958. Dr. Roos, one-time housing statistician with the NRA and now one of the nation's foremost economists, heads the Econometric Institute in New York. Speaking before some 250 fir plywood manufacturers recently, Dr. Roos said:

"The rising birth rate of the 1940's and continuing high income levels should spark another increase in demand for homes that should be substantially above the record levels achieved by the building industry during the 1950's."

The new highway construction program will call for the demolition of approximately 280,000 homes in the next year. Replacement of these homes alone will provide a large potential market for fir plywood sales, he said.



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# Draftsmen I Have Met --- Or 30 Years In The Back Room

(Editor's Note: The TEXAS ARCHITECT is indebted to the FLORIDA ARCHITECT and Mr. Frank E. Watson for this humorous classification of draftsmen, whom Mr. Watson describes as "the Boys in the Back Room without whom the promises made by the Architect would stretch from here to a lot of missed deadlines.")

I have been exposed to the Genus Draftsman since my youth, which on some days seems a long time ago. You know, I estimate that I have drawn close to seven million lines during my career — with a goodly percentage of them in the wrong place. However, over this long period of exposure and participation, I have decided — and who has a better right — to catalog the various and sundry characters I have encouraged — and without whom my days on the boards would have been humdrum indeed:

One of my earliest recollections is a lovable character called **Old Blubber Boy**. He had spent thirty-five years at the same drawing board and it was fully equipped, including a bottle opener. As his girth increased, the size of the board decreased — he kept carving out the front of the board so he could stay real close to his work. Eventually he became quite a big man in the organization.

**The Timid Draftsman**—He draws everything very lightly over the entire sheet and will not bear down on the pencil until he has checked and double-checked with everyone in the office. Guaranteed to give you a complex. Never makes a mistake.

**The Eager-Beaver or Brown Nose**—This character stays after hours—gets everything all blocked out and ready so that he can get approval from the chief draftsman early in the morning, and not waste precious hours during the day. Ugh!

**The Hatcher**—He fills in all the block, brick and tile walls completely with cross-hatching, draws every joint line on the elevations of brick walls, tile, etc. But detailed, necessary, technical information is very conspicuous, because it is missing! Beautiful drawings for the Archives.

**The Enthusiastic Draftsman**—The Boss gives him a job to do. Down goes a clean sheet of paper. He attacks the drawing with great enthusiasm, finishing it quickly and with great zest. The Chief Draftsman sticks his big nose into

it — quote, "The Boys up front have made a few changes — the orientation is wrong — flop the plan — bed rooms go in here — change the kitchen, etc., etc., etc." Is our man discouraged? Down goes another sheet of paper. He attacks the drawing with enthusiasm, finishing it up with great zest, and so on ad infinitum. Everybody loves the Enthusiastic Draftsman.

**The Upside-Downer** — Most of these fellows had their early training in Australia. They work from the top of the board, crowding the draftsman in the aisle in front. It is a known fact that this man will usually sleep at the foot of the bed.

**The Lady Draftsman**—This item is a great morale booster; and there should be one in every office. The only difficulty is that if the Draftslady happens to be good looking, she usually ends up in the front office. This is decidedly unfair and something should certainly be done about it. Speaking of front and back — and I believe we were — I have some tips for the ladies about their position in the Drafting Room. I refer, of course, to their location on the production line of drawing boards. Why wait to be up lifted? Forget it! Develop the posterior; accenuate the Backward Look. Look good facing away from it, and you will end up at the head of the room. Ladies, in the Drafting Room, behindsight is much better than foresight.

**The Operator**—He naturally follows the Lady Draftsman. This guy is the Bilko of the trade. He has more side lines than a moored ship—he runs the office pools — takes bets on the horses — starts all the rumors! — can get you things wholesale — handles the prize money for the bowling team — arranges the office annual outings, etc. — all to his own advantage. This promoter is indispensable, for without him the job would always get out on time.

**Meticulous Hush—The Quiet One**—Really neat. He covers the entire drawing with sketch paper, leaving open only the few square inches on which he is working. He hates to erase anything and does a lot of drawing on the back of the sheet to avoid messing it up in case he has to make a change. This Draftsman got his early

training working in a printer's office putting pieces of tissue paper between calling cards.

**The Aggressor**— This character really bears down — using a 3B pencil. He turns out a real strong black drawing. When told there isn't much useful information on the drawing he invariably retorts, "I know, but it sure makes a good print."

**The Clock Watcher**—I have seen this one with his coat on and his hand on the rolled-up plastic board cover ready to slide it down as the clock strikes five. It is amazing the coordination that can be developed over a number of years in exercising this manoeuvre. He hasn't been late for supper in twenty years.

**The Ho! Shot**—Fresh out of college where he was a big wheel — this boy knows everything — can do everything — clever sketches — right up to date — has the latest design clichés at his fingertips — falls asleep every night listening to the Reynold's Aluminum Company's record on the Hi-Fi. Considers the drafting room an interlude until he can take the State Board and open his own office. This boy will go far — we hope!

**The Griper**—The humidity buckles the sheet — too much tooth to the paper — the mechanical department is stupid—what a lousy building—slave wages — nobody tells me anything — those guys up front really must be cleaning up. Now back in Detroit we had ideal working conditions!

**The Gooferoffer**—You have to make allowances for this necessary evil in all production schedules. Bland, urbane, popular with the Boss's daughter. This guy can make more smoke and less fire than anyone in the office. Recently established a new record of thirty-six consecutive days on the same drawing and never changed a line. Always manages to wangle the schedule sheet.

**The Plodder**—Works to a schedule — so many hundred lines per day, no matter what the pressure — one speed. He starts methodically in the upper left hand corner of the sheet and working from left to right he finishes as he goes so that when he reaches the lower right hand corner on goes the title block and he is done. No coffee break — never looks at the World Series — a real square.

**The Boss's Son**—N O! N O! N o t that — anything but that!!!

# Send Entries From All Over State As "TA-57" Deadline Approaches

More than 50 entries for "Texas Architecture — 1957," annual competition sponsored by TSA and the Dallas Chapter, AIA, had already been received in Dallas September 2, and additional entries are expected before the September 15 deadline.

Jack Morgan, TSA-AIA of Dallas, is general chairman for the annual competition, seen by more than 2,000,000 visitors to the State Fair of Texas in 1956. Judging is scheduled for October 4, after which entries will be placed on exhibit in the Fine Arts Mu-

seum of the State Fair through October 20. They will also be seen at the eighteenth annual TSA convention at the Statler Hotel in Dallas from October 30-November 2.

usual finishes, and material samples of a reasonable size. Models have been particularly invited, as they provide an exceptional means of demonstrating a project. Each entry will again be accompanied by plans, descriptive data, and technical data including owner's special requirements and how the architect met these requirements.

#### DISTINGUISHED JURY

A distinguished jury will again judge the Dallas competition, on the basis of the problem presented and how it was solved architecturally. Insofar as the



Scene from an earlier "Texas Architecture" competition which was seen by an estimated 2,000,000 persons.

entries warrant, one or more First Honor Awards and additionally, Awards of Merit will be made.

TSA officials are cooperating with the Dallas Chapter and State Fair of Texas in urging that everyone attending the Fair take the opportunity to see the TA-57 entries and awards, expected to be the best in the history of the statewide competition.



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seum of the State Fair through October 20. They will also be seen at the eighteenth annual TSA convention at the Statler Hotel in Dallas from October 30-November 2.

#### ALL CLASSIFICATIONS

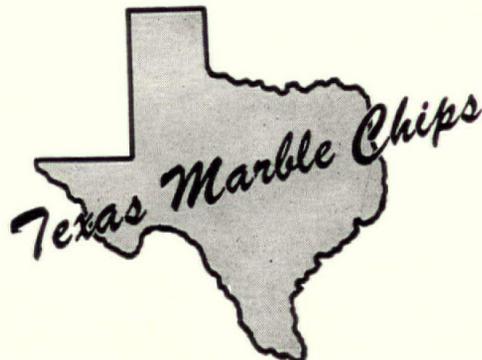
"TA-57," which has regularly attracted wide state and national attention, is limited to buildings erected in Texas and completed after January 1, 1957. All entries must have been designed by registered architects practicing professionally in the state of Texas. The competition is open to buildings of all classifications. Separation into general building types will be accomplished by the TA-57 committee, and equal emphasis will be given all classifications in judging. An entry may be one building or a related group of buildings forming a single project.

Expected to be seen again by tremendous crowds at the State Fair, 1957 entries may include fabrics, un-

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## Kamrath & Son Seek National Tennis Title

Karl Kamrath, TSA-FAIA of Houston is competing in the national Father-Son tennis tournament at Boston as this issue of the TEXAS ARCHITECT goes to press. But the younger Kamrath this time is not Karl, Jr., with whom the Houston architect won the title in 1952. This time it's son Jackie, now 16 and

a rising tennis star in his own right.

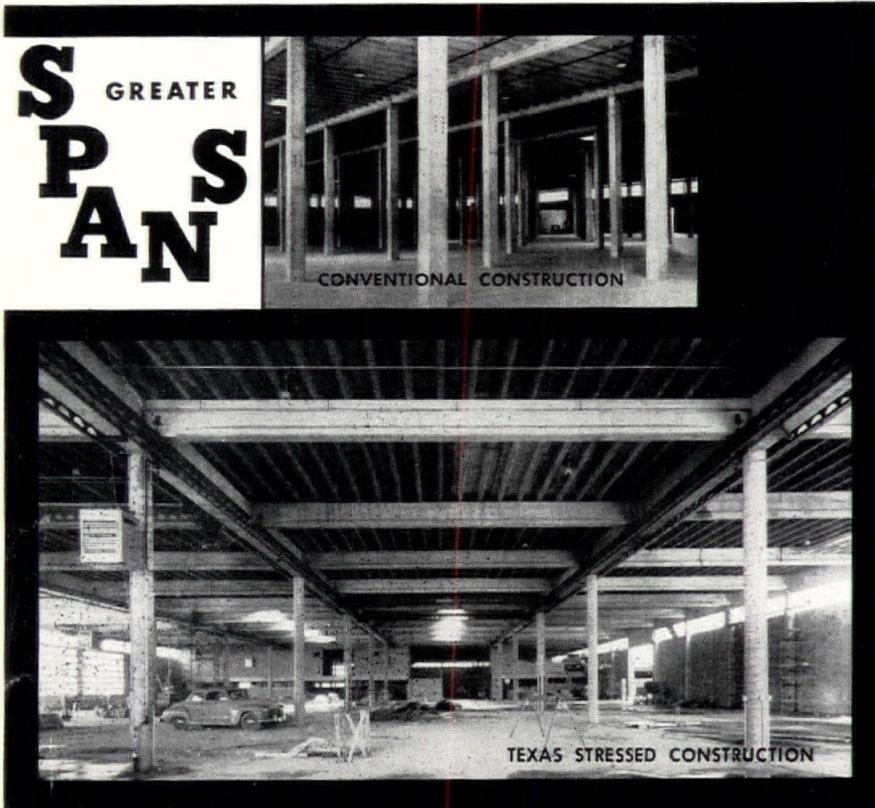
While Karl, Sr. and Jackie are competing at Boston, daughter Gee Gee is in the East also representing the famous tennis family. Gee Gee was chosen to represent Texas in the U. S. Lawn Tennis Association inter-sectional matches for girls at Philadelphia, and she also

competed in the national girls' championship from August 18-25.

Karl, Sr., himself a former inter-collegiate star at Texas University, and Mrs. Kamrath have taught each of their children the game in succession.

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R. H. Folmar .....	9
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Portland Cement Co. ....	Cover II
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## Construction Industry At New High During First Half Of 1957

Strength in heavy engineering and non-residential building pushed the construction industry to new highs in the first half of 1957 despite the much-publicized decline in homebuilding, according to the midyear review of construction contracts to be published in *Building Business*, monthly bulletin of F. W. Dodge Corporation.

The review, written by Dodge vice president and economist George Cline Smith, notes the following highlights:

### PUBLIC WORKS UP

As expected, 1957 is a year of heavy engineering, with the main upward boost for contracts coming from public works and public utilities.

Only a sharp increase in government-owned projects kept the total from going down instead of up.

This year's decline in housing affects only single-family homes. Two-family houses and apartment buildings are doing better than they have for some years.

Inflation accounts for much of the increase in dollar volume of contracts over last year.

Thomas B. Grover, Jr.  
Named District Sales  
Representative by Azrock

The appointment of Mr. Thomas B. Grover, Jr., as district sales representative for Azrock Products Division, Uvalde Rock Asphalt Company in South Texas, with headquarters in San Antonio, has been announced by Mr. J. O. Heppes, vice-president and general manager, Azrock Products Division.

## BRICK CLASSROOM WITHSTANDS ATOMIC BLAST

A full-size reinforced brick school structure successfully withstood the effect of an atomic blast during the recent 1957 "Plumbbob" nuclear test series, the Federal Civil Defense Administration announced. The structure, which was designed by the Structural Clay Products Research Foundation, research arm of the nation's brick and structural tile industry, was one of five structures under test to evaluate new reinforced brick and tile wall designs.

In the same test, two roof structures of reinforced clay tile beams also were not visibly damaged. In addition, six walls of brick and tile in two other structures were successful in developing wall arching-resistance to blast pressure, the FCDA announced.

Following are extracts from the text of the Federal Civil Defense Administration news release announcing the test results:

"The Structural Clay Products Research Foundation had five structures under test to evaluate new reinforced brick and tile wall designs and to study wall arching-resistance to atomic blast pressures.

"A full-size brick structure, 32 feet by 28 feet, which could serve as a school classroom, survived atomic blast sources with no apparent damage inside or out. No cracks were noted in the walls, roof, or at any joints. Large enough for a typical class of 30 pupils, the building could have provided a high degree of blast protection.

"The structure had 10 inch thick reinforced brick walls, a reinforced concrete flat roof and was windowless. The lack of windows is an important part of protecting building occupants from missiles flying through or from the window opening.

"There were no cross walls within the structure. The 32 foot wall length was oriented toward ground zero and was designed and located for a predicted load of about 1500 pounds per square foot. The other three walls and

roof were designed for testing at pressures of about 750 pounds per square foot. Deflection gages revealed that the front wall deflected inward about one quarter inch and the center of the roof one half inch. However, all deflections were elastic and there appeared to be no permanent deflections.

"Of interest also is the fact that this type of reinforced brick structure is designed to resist the destructive forces of powerful tornadoes or earthquakes.

"Two roof structures of reinforced clay tile beams were not visibly damaged."

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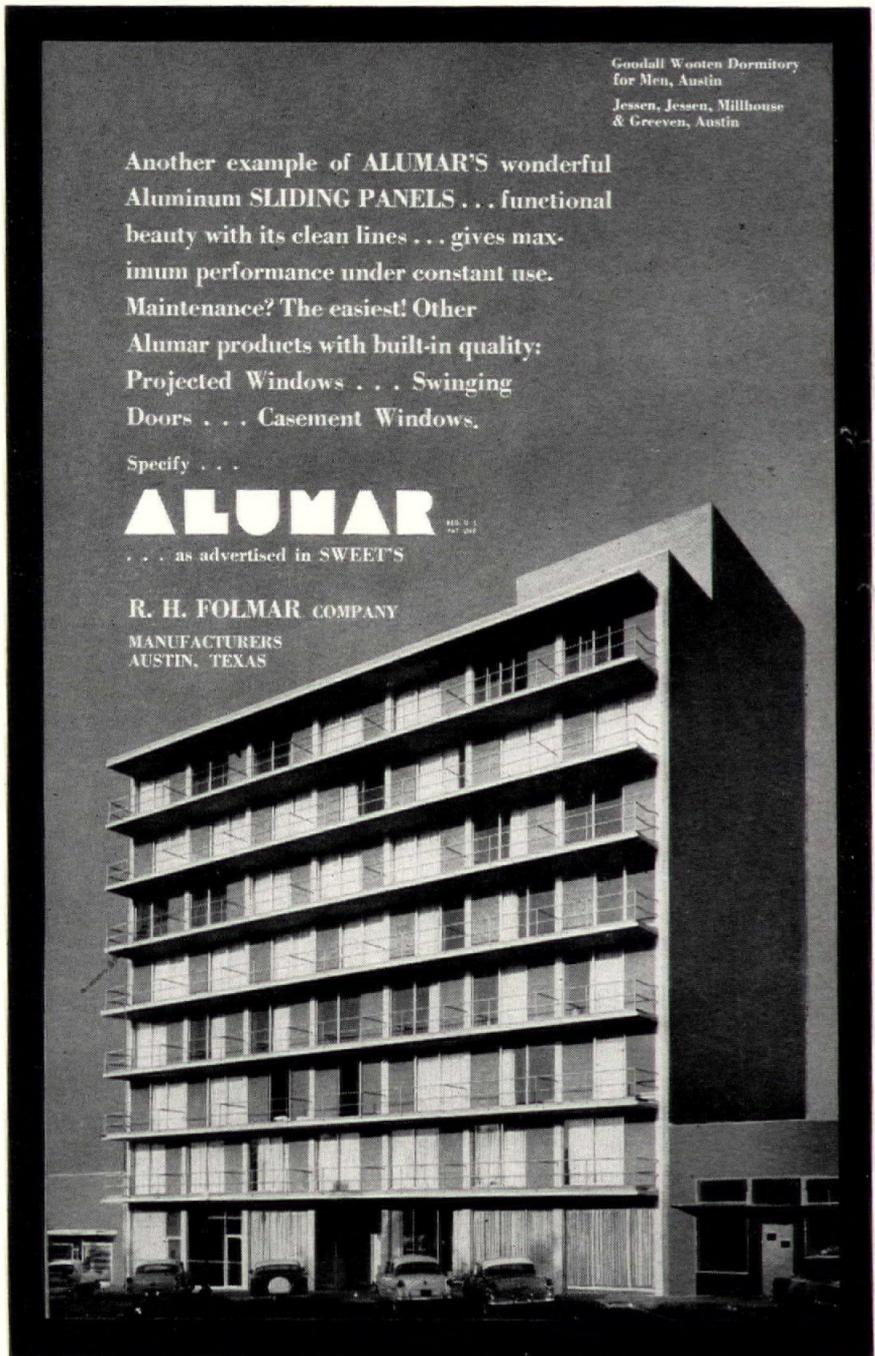
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### Lubbock Firm Will Distribute Dravo Equipment in 75 Counties

Mechanical Equipment Company, 2001 Fourth Street, Lubbock, has been appointed distributor of Dravo heating equipment for a 76-county area in Texas. Dravo Corporation, Pittsburgh, Pa., is one of the world's largest manufacturers of industrial and commercial warm air space heating and process drying equipment.

Mechanical Equipment Company will sell Dravo's complete line of oil and gas fired units, covering a range of capacities from 40,000 to 2,000,000 BTU per hour output, and which are suitable for retail stores, auditoriums, garages, service stations, showrooms, warehouses, sports centers, churches, schools, and large and small factories.



## Hotel of Future to Be House of Wondrous Gadgets

The weary traveler of the future will be able to rest his head in hotels of streamlined design and ultimate efficiency, filled with wondrous gadgetry, according to some of America's leading innkeepers.

A report in Architectural Forum magazine quotes leading hotelmen as predicting that some day the tired transient may be able to drive directly to his tower-floor hotel room, take his own ice-cubes out of a refrigerator without waiting half an hour for room service, recline on a mattress adjustable to soft, medium, or hard, in front of a radio-TV set that can also be turned on by the front desk to warn him of anything from an air-raid to a noisy party.

Hotel industry men also see message lights on guest-room telephones indicating a taped call awaiting; automatic tabulation of telephone charges; recorded good-morning-time-and-weather calls; room number information lists flashed on television screens in front of operators; registration by two-way television from the curb or from railroad stations and airports; kitchen conveyor belts carrying complete pre-frozen dishes under special quick-heat-ing warmers out to waiters.

Modern efficiency will also cut down considerably on hotel intrigue, which has long proved a fertile feeding ground for Hollywood scenario writers. Hotelmen say that in the future, hotel corridors and back entrances will be "monitored" by television "eyes" controlled by the desk clerk, house engineer or a single watchman.

All these innovations are being hatched by the hotel industry in the hope of cutting down on labor costs. In the last twenty years, the magazine reports, hourly wages of employees—always the largest single item of hotel expense—have increased 244%. In the same period, room rates, still the major source of income despite the fancy bars and ballrooms downstairs, have increased only 172%.

One new hotel trend, currently widespread, is rapidly dooming one of man's most ancient pastimes. Lobby-sitting is on the way out. Improved design is virtually eliminating chairs from hotel lobbies and relegating them to small areas away from the business of the front desk. Besides improving appearances, it is also meant to discourage foot-sore free-loaders from coming in off the streets.

## June Contracts Up 10%, Indicating New All-Time Dollar Volume Record

June contracts for future construction in the United States totalled \$3,243,486,000, an increase of 10 percent over the same month last year, F. W. Dodge Corporation reported. Total construction contracts for the first half of 1957 amounted to \$16,958,005,000, up five percent from the comparable period last year.

Commenting on the total contact figures for the first six months of this year, Thomas S. Holden, Dodge vice-chairman said, "The record to date leaves little room for doubt that the dollar volume of construction activity for the year 1957, as a whole, will exceed last year's all-time high."

Contracts for non-residential buildings were valued at \$1,186,448,000 in June, 16 percent above the year-earlier level. Nearly all types of non-residential buildings shared in the increase; the largest gains were registered by hospital buildings and manufacturing buildings.

June contracts for residential buildings amounted to \$1,155,049,000, down four percent from a year ago.

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## Baldwin-Hill Company Acquires New Plant At Sand Springs, Okla.

Expansion of the Baldwin-Hill Company's Southwestern operation by the acquisition of an Oklahoma plant has been announced. The company is a national manufacturer of insulation products.

Baldwin-Hill, with headquarters in Trenton, N. J., has acquired all the stock of the Federal Building Material Company of Sand Springs, Okla., near Tulsa. The new plant will be operated as a wholly owned subsidiary of Baldwin-Hill. Carl Lockner, vice president of the purchased company is joining Baldwin-Hill as Southwest area sales manager.

Location of the new plant, situated between Indiana and Temple, Texas, plants will enable the company to provide faster service from plant to buyer.

Baldwin-Hill is one of the largest manufacturers of spun mineral wool products in the country, with production facilities in Trenton, N. J., Huntington, Ind., Kalamazoo, Mich., Temple, Texas, and now in Sand Springs, Okla. William H. Hill is president of the company.



## TSA Expands in Panhandle Area

In the Panhandle, TSA members from an area covering thousands of square miles of Texas alternate meetings in key cities as a constantly increasing program of Chapter activity is carried on.

Shown here at a recent meeting planning fall programs are Chapter members from Amarillo, Lubbock, and Big Spring. Left to right: Talmage DeWitt, Chapter vice-president from Lubbock; Russell Megert, secretary, Amarillo; John S. Ward, Jr., president, also of Amarillo; O. L. Puckett, Chapter TSA director, Big Spring; and John S. Stuart, treasurer, Lubbock, all TSA-AIA.

Much of TSA's continuing growth in the past two years has been in newer affiliates such as the Panhandle Chapter, reflecting the fact that the need for architectural services is increasingly recognized throughout every part of the state.



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# NEW PRODUCTS

The Azrock Products Division, Uvalde Rock Asphalt Company has announced the addition of three new cork hues to its Vina-Lux reinforced vinyl tile line. They are VK-379, light cork; VK-380, medium cork; and VK-381, dark cork. The coloring and patterning give these new numbers and unusually authentic appearance and texture.

All three numbers are available in 9" x 9" size and 1/16" thickness. As with the entire Vina-Lux line, the new numbers are made of vinyl resin reinforced with asbestos fibre. They are grease-proof, alkali resistant, and can be installed above, on, or below grade.

A new line of "Terrazzo Tones" in Vina-Lux vinyl-asbestos tile has also been announced.

Ten popular pastel colors, including the three cork colors previously announced, make up the line. They are V-382, Del Mar, white; V-383, Hialeah, tan; V-384, Belmont, green; V-385, Santa Anita, cocoa; V-386, Churchill Downs, light gray; V-387, Pimlico, beige; V-388, Arlington, gray.

The new line of Vina-Lux Terrazzo Tones comes in 1/16" thickness, 9"x9" size, and possesses all of the characteristics of quality vinyl-asbestos including light colors, highest resistance to grease, alkali and common acids, unusually smooth surface that is simple to maintain with little or no waxing.

The addition of the ten new Vina-Lux Terrazzo Tones brings the Vina-Lux line up to 31 colors including 19 marble tones in exclusive micromatic veining, and two solid colors.



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**BALDWIN-HILL**

P. O. Box 13, Temple, Texas

For prompt delivery phone PR 3-2192

Baldwin-Hill Company, Temple, Texas, has recently introduced a six inch thick spun mineral wool batt that is said to put the builder in a better competitive position in selling air-conditioned homes. This new product, the "BIG SIX", together with full thick insulation in the side walls and semi-thick under exposed floors, it is claimed, makes possible up to 50% reduction in the size of cooling equipment, compared with that required in homes with only minimum insulation. The insulation over and above minimum requirements, Baldwin-Hill states, is more than paid for by the saving in the cost of the smaller capacity unit. For example, it is claimed that in a typical home in the Air Conditioned Village at Austin, this insulation made it possible to install a 2-ton air conditioning unit, when with minimum insulation a 4-ton unit would have been necessary. The cost of the extra insulation was \$263.08. The saving in cooling equipment was calculated at \$774.25 — a net saving to the builder of \$511.17. This was accomplished with no loss in cooling efficiency.

The B-H "BIG SIX" spun mineral wool batt is quickly and easily installed because of its light weight, and spring-like rigidity. It is easy to cut and fit into angles and odd shaped areas, and has wide, stiff tacking flanges that facilitate stapling to the framing. Because of its inherent resilience, the "BIG SIX" fits snugly between rafters and joints, without support, leaving the hands free for stapling.

★ ★ ★

A new, lighter and more compact residential building insulation, manufactured without breather paper, has been announced by Owens-Corning Fiberglas Corporation.

The company said the product, known as Fiberglas New Process Building Insulation, is manufactured by a new glass forming process.

The product includes only one layer of paper, the vapor barrier. The breather paper has been eliminated as the insulation does not need this support. This factor also facilitates cutting of the insulation to the desired size and provides extra fire safety.

The new product is being produced as Batts and Roll Blankets.

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