TEXAS ARCHITECT

OFFICIAL PUBLICATION OF THE TEXAS SOCIETY OF ARCHITECTS

CONTROL OF SOUND IN AIR CONDITIONING

TEXAS LEARNS ABOUT ARCHITECTURE

TEXAS ARCHITECTS' WEEK PICTURES

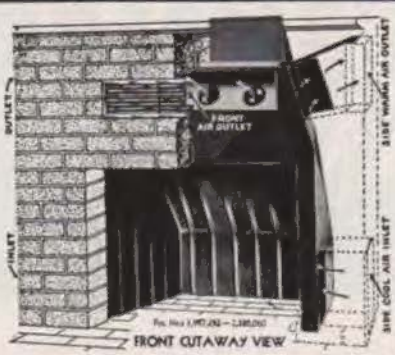
RESEARCH IN BRICK AND TILE

MAY
1953

for more efficient

HEATFORM

The *Superior* Heat Circulating Fireplace Unit



(FRONT VIEW) HEATFORM* MODEL "A"

(REAR AND SIDE VIEW)

Heatform is a double-walled metal unit. Its heating chambers capture and circulate to all parts of the room and even into adjoining rooms heat lost up the chimney by the old-fashioned fireplace. Heatform prevents construction mistakes which cause smoke trouble, because it is a perfect guide (hearth to flue) around which anyone can build the masonry to complete a fireplace of any design.

A Heatform fireplace costs but little more. The unit consists of the firebox, throat, smoke dome and damper, replacing materials and some labor necessary in the construction of the ordinary fireplace. It maintains the cheerful glow of the open fire. It saves fuel and assures you of an efficient heat circulating fireplace. Proved by thirty years of use in homes and cabins everywhere.

Comparison with other similar units will convince you that only Heatform has these exclusive features which produce more heat and give more years of service:

1. **Air heating chambers surround the firebox, also the front and sides of the dome, and super-heating air passages at each end of and through the throat, connecting lower and upper heating chambers; all of which adds more heating surface, eliminates dead air-pockets, and assures contact of air to all heating surface and greater air circulation.**
2. **Larger cool-air inlets and warm-air outlets deliver a greater volume of warm air circulation.**
3. **Die-formed ridges in the boiler-plate metal firebox add greater strength and control warpage, and are more pleasing to the eye than flat metal.**
4. **Rear outer lining slopes forward permitting masonry downdraft shelf which seals all metal parts beneath the chimney. Nothing to rust out.**

The above illustration shows rear and side view of Heatform Model "A" with outer lining removed. Arrows demonstrate air circulation through heating chambers and contact of air to all heating surfaces.

HEATFORM MODEL "S"

(shown below)

For the modern corner fireplace with front and right or left side open. Has all the features of Model "A" plus wider view of the fire. Model "M" (not shown) has front and both sides open for greater view of the fire, otherwise the same as Model "S".

*Heatform is the registered trademark of Superior Fireplace Co.

fireplaces specify:

Superior FORM DAMPERS

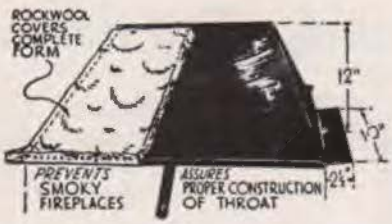
(where extra heat produced by HEATFORM is not required)

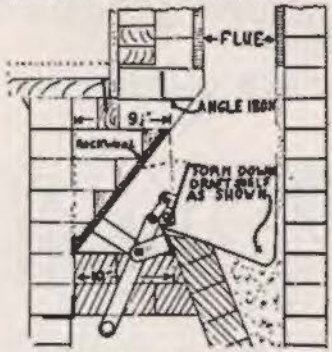
OUR ENGINEERS HAVE DESIGNED THESE FORM DAMPERS TO ELIMINATE FAULTY CONSTRUCTION OF THE MOST IMPORTANT PART OF THE FIREPLACE — THE THROAT

Superior Form Dampers save their cost in labor. No forms to build, bricks to cut or throat to plaster. The damper is pivoted at the proper point, and when in an open position it never swings back beneath the chimney flue, but acts as a baffle to prevent down-draft wind currents from entering the throat, thus assuring a perfect draft with no smoke troubles.

The form and all parts are constructed of heavy plate steel for lifetime service. No brittle cast iron parts to break in shipping, handling or usage. The use of the blanket of rockwool provided with each unit, is the only proven method of absorbing expansion of the metal to prevent cracking of masonry.

SUPERIOR FORM DAMPER MODEL "L" FOR THE CONVENTIONAL FIREPLACE





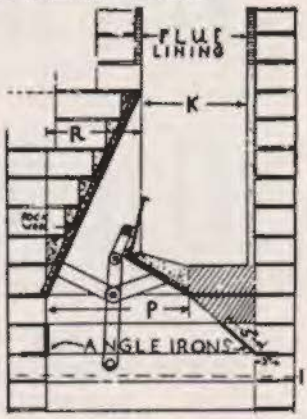
SUPERIOR HI-FORM DAMPER MODEL "H" FOR THE MODERN FIREPLACE

(FRONT VIEW)

(REAR VIEW)

The Superior Hi-Form Model "H" Damper, is especially designed for modern fireplaces using a single smoke flue; such as a fireplace with the front and one or two sides open or a fireplace opening through between two rooms (see section drawing at right).

Superior Heatforms and Form Dampers have been enthusiastically accepted by architects, engineers, builders, and home owners for the past 30 years. They are now standard specification for a large majority of the building profession.



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DEPT. TA 531
601 North Point Road
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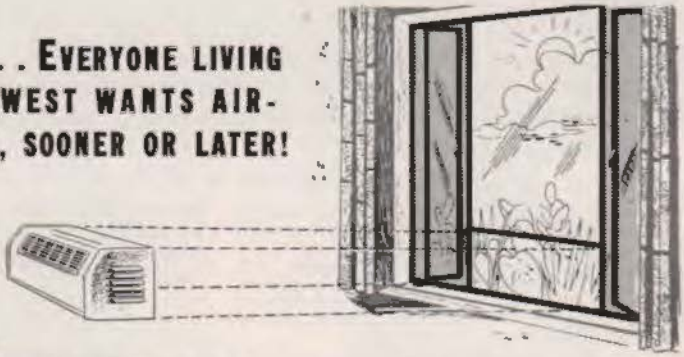
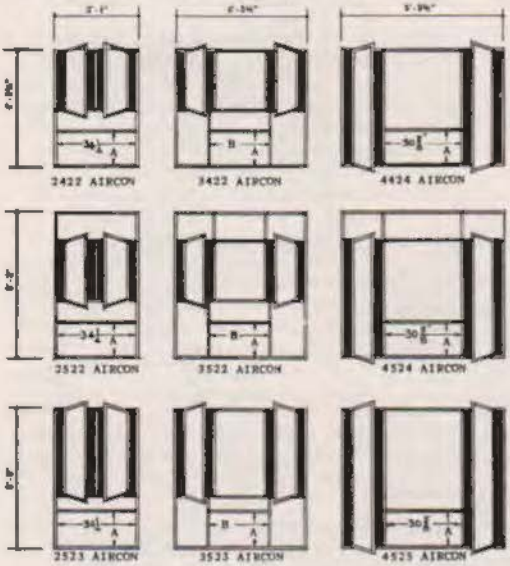
DURABLE LINE OF HEAT CIRCULATING FIREPLACE UNITS AND FORM DAMPERS.

PLAN AHEAD . . . EVERYONE LIVING IN THE SOUTHWEST WANTS AIR-CONDITIONING, SOONER OR LATER!



specify

Ful Vent AIRCON steel or aluminum casements ...where cooling may be desired, present or future



Only AIRCON serves this double purpose: a sturdy casement window, with screens, PLUS a removable glass panel for optional installation of a room air-conditioning unit. The AIRCON has many advantages, and is especially suited for RENTAL APARTMENTS and in-and-out SMALL HOUSE RENTAL traffic.

If you have already specified regular casements, *change your spec's now!* Put AIRCON in your plans for bedrooms, etc., where future cooling may be desired . . . and avoid costly alterations later!

The AIRCON is part of the Ful-Vent Line of modern steel and aluminum windows, functionally designed by engineers of Metal Window Products Co.

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INSIDE THE TEXAS ARCHITECT

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CALENDAR OF EVENTS

May 12-14—Texas Hospital Association convention, at Galveston.

May 16—TSA Public Relations Workshop, 10 a.m., Shamrock Hotel, Houston.

May 20-23—Spring 1953 Registration Examinations Department of Architecture, University of Texas, Austin.

June 15-19—84th annual convention, AIA, at Seattle, Wash.

November 4-6—14th annual convention, TSA, at Austin.

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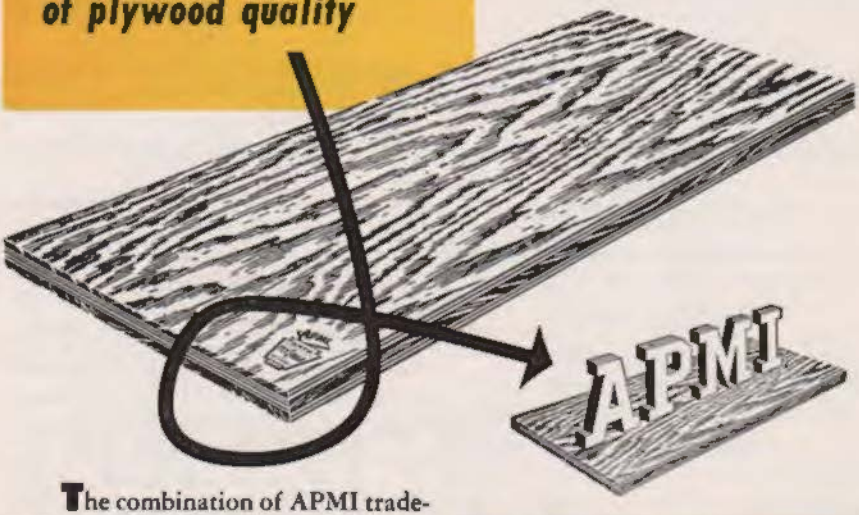

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TEXAS LEARNS ABOUT ARCHITECTURE

Elsewhere in this issue, you will find a page of typical clippings from the newspapers of the state about Texas Architects' Week activities in various localities. We have selected only a few representative clippings. The entire collection would fill a scrapbook of respectable size.

These clippings are some of the tangible results of holding the second annual Texas Architects' Week. They report community service projects, architectural tours and exhibits with proceeds donated to a worthy cause, joint meetings with others engaged in some phase of the construction industry, awards to skilled craftsmen, and many other worthwhile activities.

There are other results from Texas Architects' Week, however, which cannot be measured in terms of newspaper or magazine space. Among these are the increasing realization of how the function of architecture affects Texans in every stage of their daily lives; the tangible good which results from community service projects; and the manner in which people all over the state are gaining a better insight into what architects do.

The work of architects affects the every day life of every Texan. Most people are not conscious of the part the architectural profession has in shaping the living conditions, the shopping habits, the entertainment and in fact the whole pattern of life of the people in a community. Buildings do influence, however, these activities. Architects design and set the pattern for the buildings people work, play and live in.

We join with our Chapters over the state in thanking the newspapers, TV and radio stations, and other communications media for their help, and Texans everywhere for their interest, in TAW for 1953.

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Yes, Wright Rubber Tile is made in Texas. What's more, it is the finest floor covering made anywhere . . . has been for thirty years. Here's why:

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   Non-porous. Ideally suited for hospitals, churches, shops, theaters, homes.
4. **Wright Rubber Tile requires little care.**
   All floors require maintenance, but Wright Rubber Tile requires less than any other.
5. **Wright Rubber Tile resists damage like no other floor covering.**
   We invite you to put our sample to your test.
6. **Wright Rubber Tile comes in a variety of brilliant colors** . . . uniformly marbelized. Polishes to a high luster with minimum effort.

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- WRIGHT-ON-TOP Compression Cove Base

The Control of Sound in Air Conditioned Buildings

By Joe A. Poole of Rivoire & Poole, Consulting Engineers

Few fields of importance to the construction industry have grown as rapidly as air-conditioning. This is particularly true in Texas, where generally high summer temperatures prevail for long periods over much of the state.

Air conditioning is another area in which architecture and engineering combine the technical skills and experience of the members of these professions to serve the client and the general public.

Basic Steps Listed

Modern air conditioning designed for human comfort consists of these basic steps: (1) controlling temperature and humidity (2) cleansing of air and (3) controlling air motion and ventilation. Within the past few years, however, one other specialized field has become of increasing importance in the overall air conditioning picture. This is the proper control of sound relative to air conditioning. This is a responsibility of both the architect and the engineer.

Following are some general rules regarding sound control:

Location of rotating equipment adjacent to conference rooms, offices, etc., should be avoided. Where it is impossible to locate machinery remote from rooms requiring low decibel ratings, the architect should structurally provide barriers to prevent sound transmission. The engineer should carefully select equipment for quiet operation.

Full coordination between the architect and engineer will greatly improve the sound control of rotating machinery. Location of return air grilles adjacent to air handling units should be avoided. Adequate equipment and chase space should be provided by the Architect, so complete isolation of pipe and equipment may be accomplished. Both architect and engineer should insist upon complete isolation of all interconnecting pipe work from building structure. The careful location of cooling towers or evaporative condensers required in the system is another important factor.

Increased Sound Absorption

Recent developments have made controlling sound in air conditioning installations simpler and more practical. New inert insulating materials with increased qualities of sound absorption can now be applied to the interior of supply ducts. This costs little more than exterior insulation and low decibel ratings can be maintained more easily in each room served.

Air outlets must be sized properly to reduce noise and the system should be brought into proper balance so all parts of the building receive the right amount of air. This should be required by both the architect and engineer and will not only improve the overall functioning of the system, but will assure outlet velocities with top efficiency.

A properly designed air-conditioning system for a building will control temperature and humidity, cleanse air, control air motion and ventilation, and control sound as well. This requires full coordination between the architect and his engineer who will handle the work in this specialized field.

Board of Examiners Officially Recognizes UH Architecture Course

According to officials at the University of Houston, the Board of Architectural Examiners has notified the university that it recognized on April 12, 1953, the fifth-year Bachelor of Architecture degree given at the Houston institution, under the Texas Registration Act.

Representative Texas Architects' Week Clippings

Architects To Dine Tonight

Texas Architects' Week Scheduled

Architects Offer Aid On Slums

Dallas Varied In Architecture

By RALPH BRYAN, AIA

Architects' Week Set for April 13-20

WEEK GETS UNDERWAY

Service Clubs Hear Architectural Speakers

Architects Week: Dallas Skyline

By RALPH BRYAN, AIA

AN ARCHITECT FOR EACH DAY

AIA Chapter Honors Seven For Week's Observance

Special Week For Architects Is Proclaimed

Architects Advised to Seek Improved Public Relations

Texas Tile and Brick Industry Emphasizes Research

By Neill Boldrick, Vice President & General Sales Manager, Acme Brick Company

Development through research is the keynote of a multi-million dollar program shared by Texas brick and tile manufacturers. Although brick and tile of burned clay have enjoyed universal acceptance and preference throughout the centuries, the Texas manufacturers look not backward to the glorious antiquity of their industry but forward to development of new products and new uses.

New Pre-Cast Products

New pre-cast clay tile beams and Joistile produce floors and ceilings that are fire-safe, termite-proof, and of low cost. The All-Ceramic House is a reality with these systems.

Textured face tile, designed to defy moisture penetration, affords economical single unit "through the wall" construction meeting fully all technical building requirements.

Glazed and unglazed face tile producing the structural wall plus the finish has been developed to afford the architect color, texture, and form, plus low maintenance.

Cavity Wall Techniques

Cavity wall techniques have been perfected to produce with either air or insulated channels a construction producing a weather-proof wall and a "thermos jug" overcoat for buildings.

SCR (Structural Clay Research) Brick —face size 2¼ x 12 with six-inch wall thickness, designed to "Build A Brick House For The Cost of Frame," has intrigued architects and builders alike with its efficiency and good looks.

Bricklaying Under Study

Laboratory study is now progressing into field tests to improve the technique of bricklaying through time and motion studies to assist the mason in lowering "in the wall" costs.

Texas clay products manufacturers will strive to make available for Texas architects beautiful, economical, useful and colorful materials with all of the improvements of modern technology.

Registration Examinations Slated for May 20-23 at University of Texas

The Board of Architectural Examiners has announced that the Spring 1953 Examinations for registration to practice architecture in the state of Texas will be held May 20-23 at the Department of Architecture, University of Texas, in Austin.

Further information may be obtained from H. E. Jessen, Secretary, 2816 Hemphill Park, Austin, Texas.

Megronigle, Campbell In Houston May 16 For PR Workshop

Above, left to right, are Anson B. Campbell and Walter M. Megronigle, representatives of Ketchum, Inc., Pittsburgh, Pa., firm which has been retained by the American Institute of Architects to supervise a nationwide public relations program.

The two Ketchum representatives will be in Houston on May 16 at the Shamrock Hotel, to appear during a public relations workshop. Among those attending will be public relations chairmen from the various chapters, TSA directors and officers, and special guests.

Chairmen for the workshop will be David C. Baer, TSA-AIA of Houston, chairman of the public relations committee and of the Publication Board of TA. At the meeting, Pat. Nicholson of George Kirksey & Associates will present an exhibit based on the current TSA public relations program and will give an analysis of Texas Architects' Week publicity.

The national AIA public relations program follows closely that inaugurated by TSA three years ago except that it is on a national basis.

The workshop will open at 10 A.M. May 16 in the Ming Room of the Shamrock. Luncheon will be served in the Venetian Room, and the workshop will then continue until approximately 3:30 P.M.

PROFESSIONAL DIRECTORY

New Address For Board of Examiners

The new address for the Texas Board of Architectural Examiners is now 2816 Hemphill Park, Austin, Texas, according to an announcement from Harold E. Jessen, secretary-treasurer.

THE TEXAS SOCIETY OF ARCHITECTS

THE TEXAS REGIONAL DISTRICT ORGANIZATION OF

THE AMERICAN INSTITUTE OF ARCHITECTS

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