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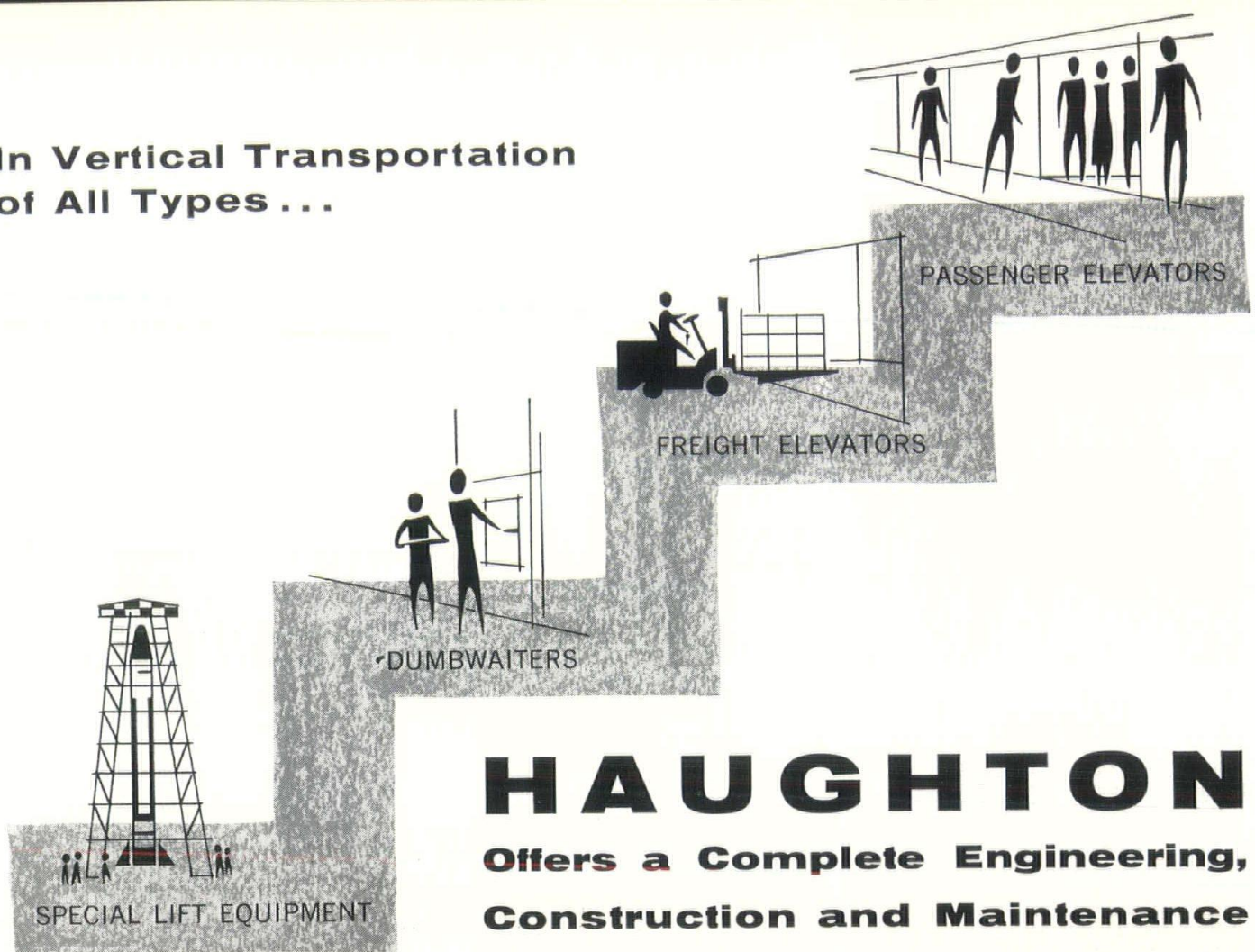
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OFFICIAL PUBLICATION OF THE ARCHITECTS SOCIETY OF OHIO  
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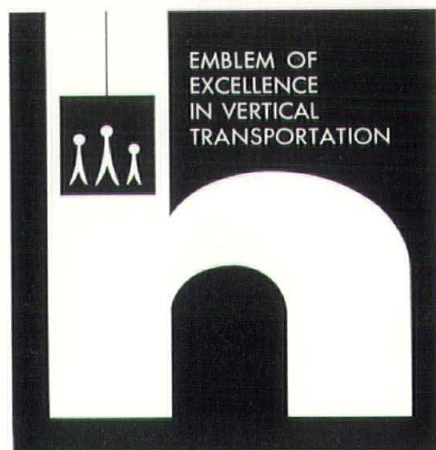
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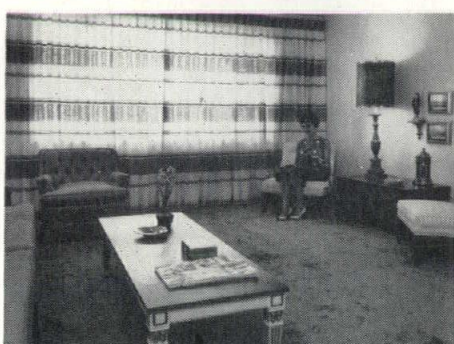
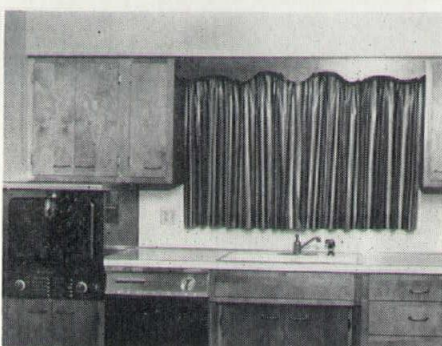
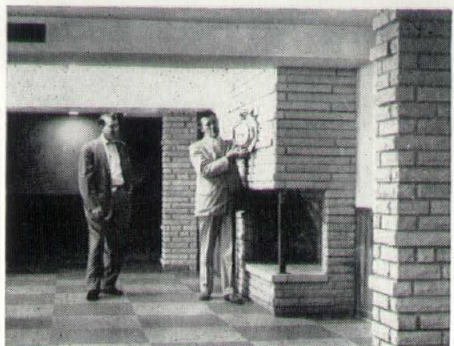
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The place is Spain.  
The event is the annual  
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The awards stand in simple  
elegance, awaiting the winners.

The judges announce that the prizes  
have been chosen to reflect the same  
qualities of imagination, inspiration, warmth  
and mechanical perfection looked for  
in the entries.

The third award is presented—  
a solid silver rose.

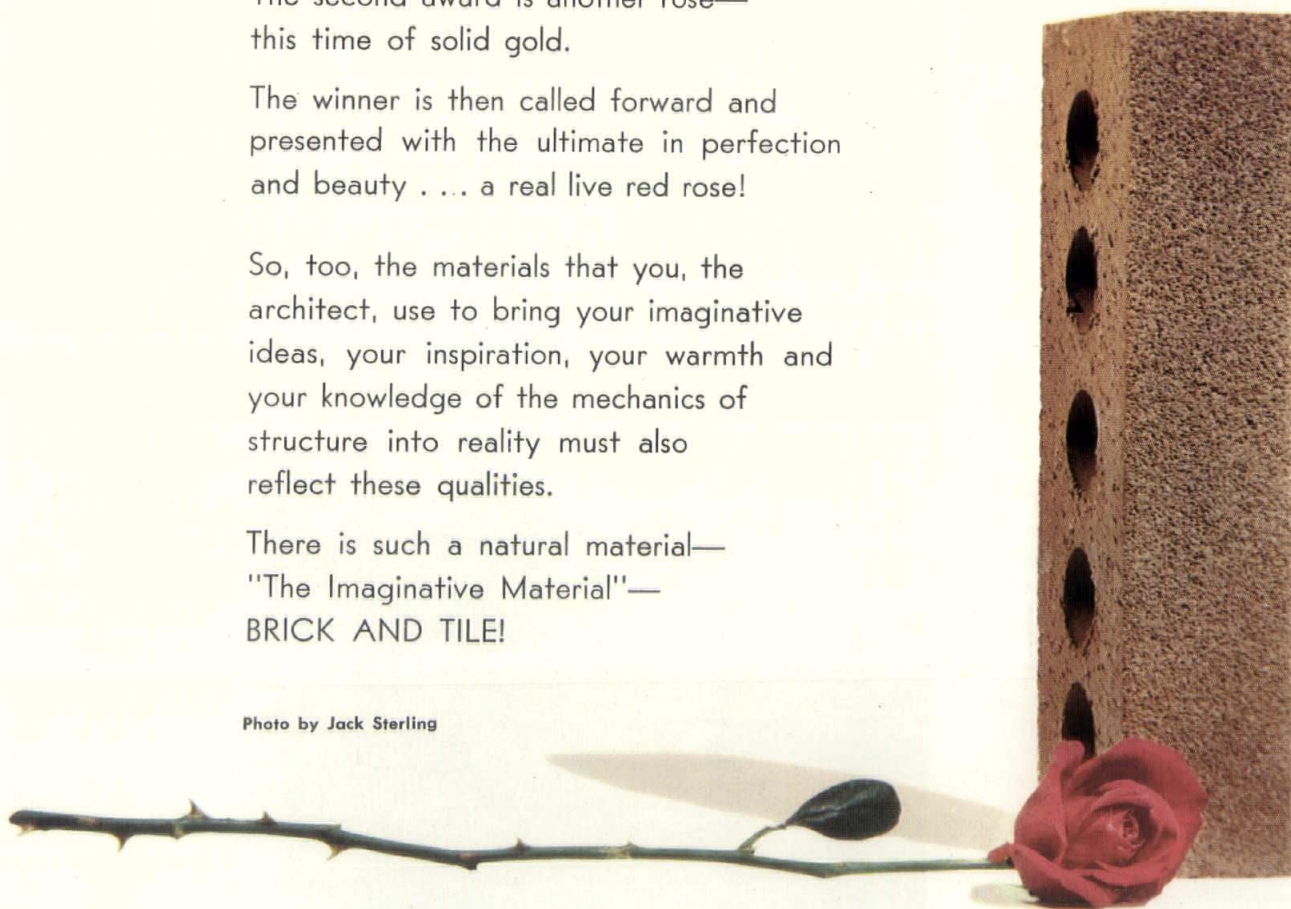
The second award is another rose—  
this time of solid gold.

The winner is then called forward and  
presented with the ultimate in perfection  
and beauty . . . a real live red rose!

So, too, the materials that you, the  
architect, use to bring your imaginative  
ideas, your inspiration, your warmth and  
your knowledge of the mechanics of  
structure into reality must also  
reflect these qualities.

There is such a natural material—  
"The Imaginative Material"—  
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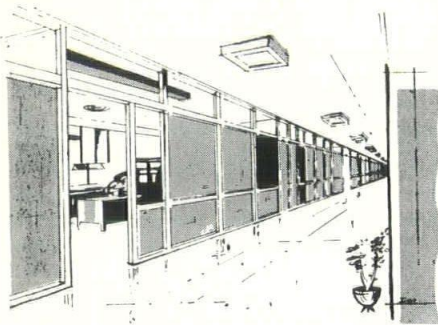
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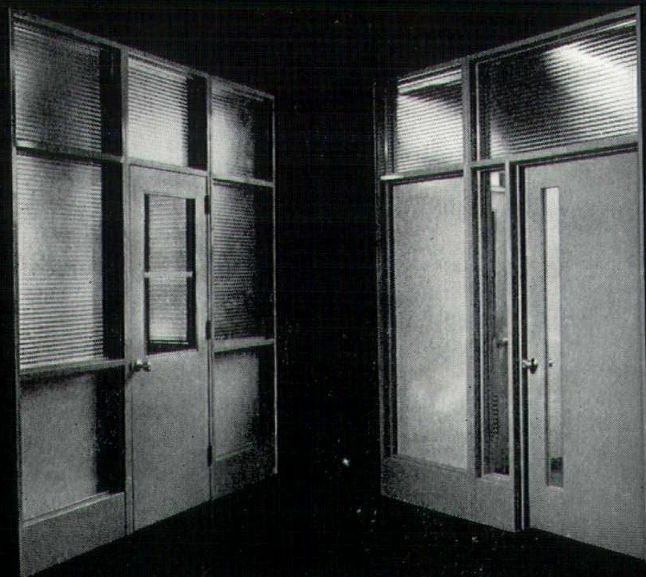
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# OHIO ARCHITECT

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OCTOBER, 1958

Volume XVI

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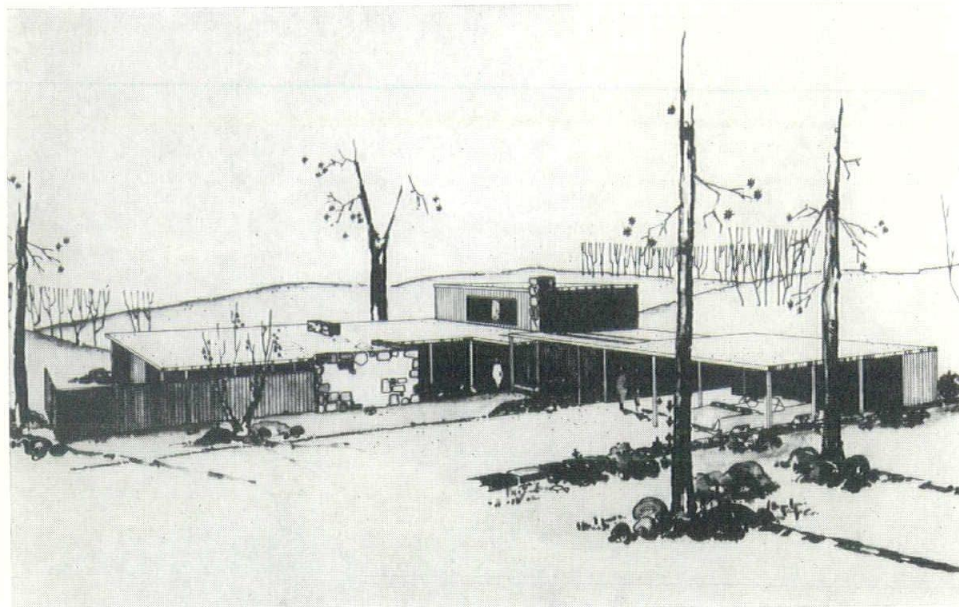
### Cover and Feature Material

Feature material for this issue of OHIO ARCHITECT was furnished by the Cincinnati Chapter of the American Institute of Architects through Benjamin H. Dombar, Associate Editor.

The Cincinnati Chapter will host the ASO's Annual Convention, the program and highlights of which appear in this issue of the magazine.



# A Tour of Four Cincinnati Residents



George L. Sturm Residence  
Architect: Carl A. Strauss, AIA

On Sunday, the twelfth of October, the Contemporary Arts Center in Cincinnati sponsored a tour of four of Cincinnati's newest and best designed homes.

Four residences were featured on the tour: the George L. Sturm and Daniel F. Richfield homes in Clifton and the Snowden Rowe and James A. D. Geier homes in Indian Hill.

---

The Sturm residence, designed by Cincinnati Architect Carl A. Strauss, AIA, is a split level secluded residence built on a heavily wooded sloping site in Clifton. The materials used were brick and cypress siding, stained a weathering gray.

Entering from the car port, one steps down into an entrance hall paved with brick which carries through into the living and dining rooms. Turning left from the entry are the master bedroom facilities — bedroom, bath, dressing room and private patio. Adjacent to this is a guest room which doubles as a TV, card and study room.

The bar is handy to the study and living rooms and near the large fireplace.

From the entrance hall to the right a stairway leads up to the bedrooms and bath for two teen age daughters. Below this area are the maid's room, utility, laundry and kitchen. The latter leads into breakfast and dining rooms which are three steps below the living room level.

Heating and air conditioning ducts are below the concrete slab floor. The ceiling construction is tongue and groove wood decking over wood beams.

---

Cincinnati Architect Benjamin H. Dombar, AIA, designed the Richfield residence which is a concrete block structure, one story at the entrance elevation and two stories to the north where the recreation room opens onto informal terraces.

The Richfield's son occupies the lower level and his two sisters are on the parents level above. One raised and one sunken fireplace dominate the living room and recreation room. The





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living room ceiling follows the slope of the rafters, affording a wide open view into tall beech trees.

The plan is arranged on a 30-60 degree angle system for greater interest and spaciousness, combined with normal 90 degree planning in secondary areas. Where 30-60 angles are employed, only obtuse angles are in living areas, relegating the acute angles to closets etc.

A screened porch off the dining room and an open balcony off the living room are cantilevered, forming a protection over the lower terrace which is oriented for privacy.

Standard grooved concrete block

were used to furnish an 8" x 8" square pattern. At the entrance, alternating mitred wood strips and glass make a play of light on the angled stairway. Landscape Architect Hans Wachtel designed and executed the informal pool, terraces and landscape features.

The Snowden Rowe residence, designed by Pansiera and Dohme, Architects, is a small contemporary residence situated in a beautiful woodland area. A long winding drive leads into a secluded knoll with beautiful old trees surrounding the approach. The house is built of used brick and stained rough sawn siding.

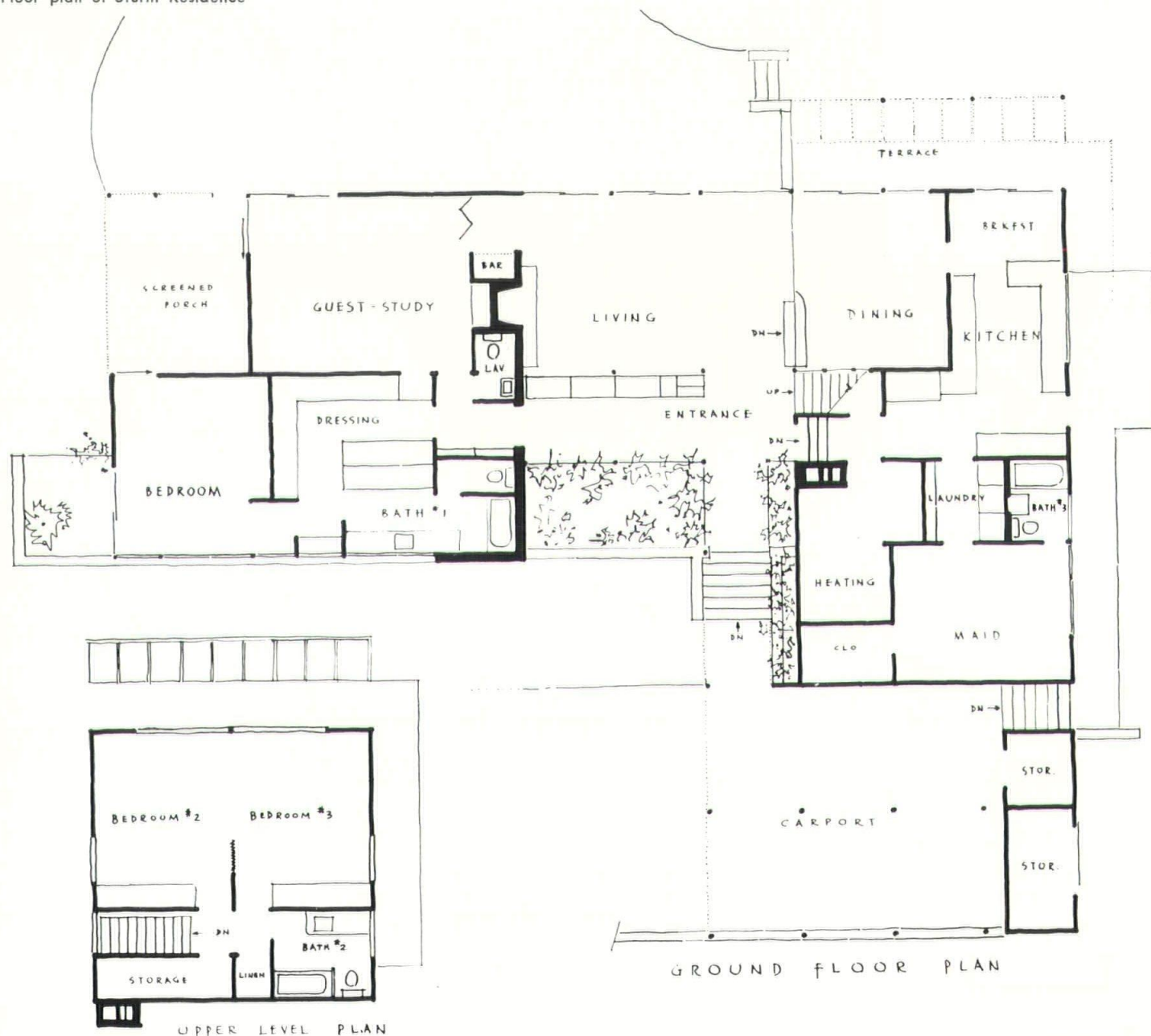
The well established planting, terraces and gardens complement the rather severe contemporary lines of the residence.

Great emphasis was placed on subdued styling so that the house could serve equally well with either contemporary or traditional furnishings.

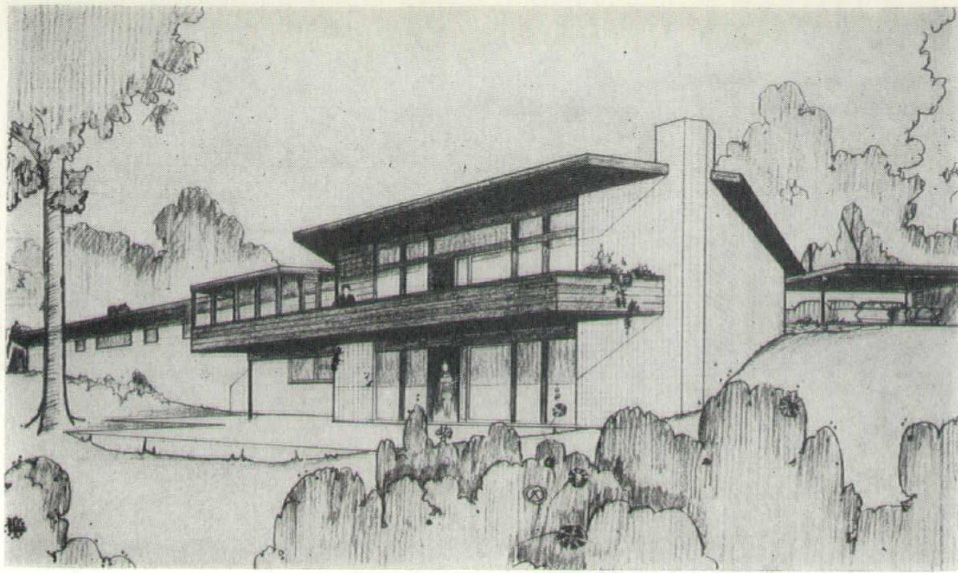
The fourth home included on the Contemporary Arts tour was that of the James A. D. Geier family. The architects were Garber, Tweddell and Wheeler, AIA, Cincinnati.

This house was designed for a young couple with one child. It was the in-  
(Continued on Page 13)

Floor plan of Sturm Residence

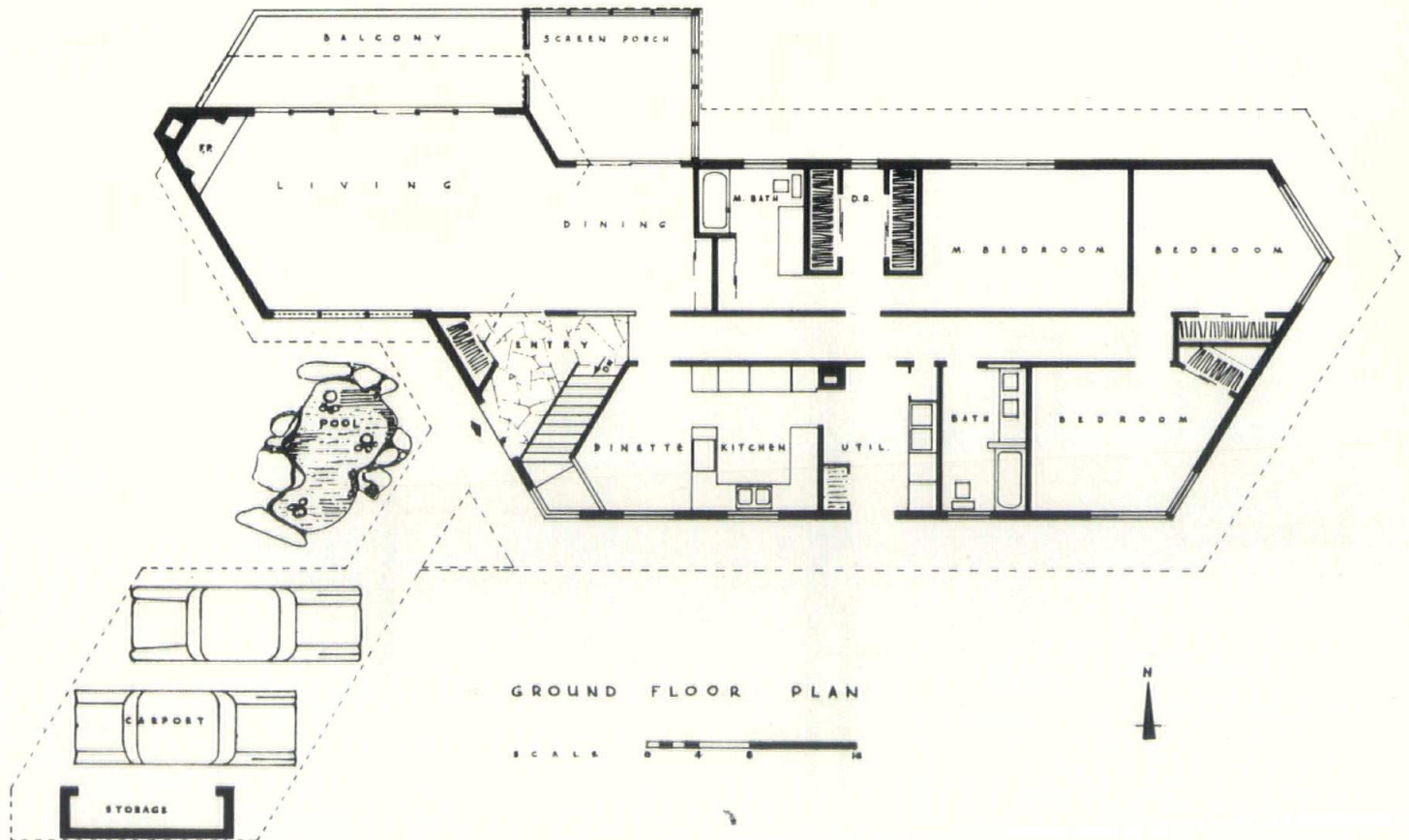




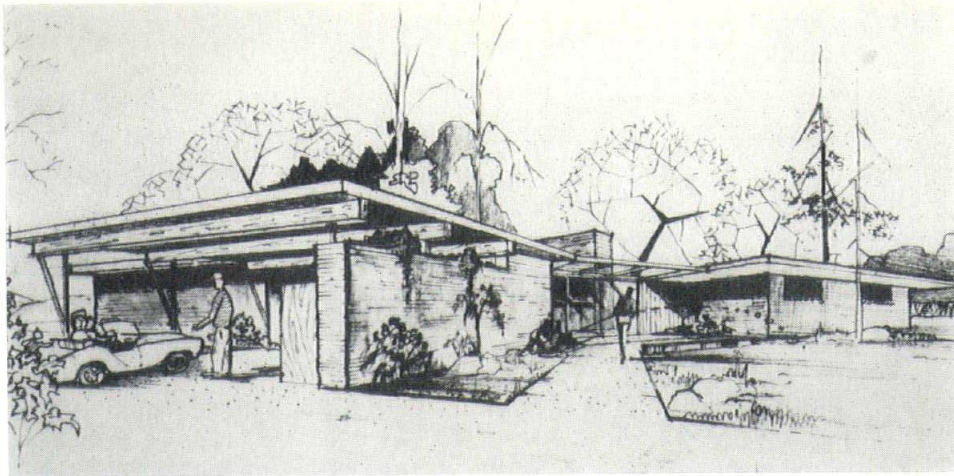


Daniel F. Richfield Residence  
 Architect: Benjamin H. Dombar, AIA

Ground floor plan of Richfield Residence

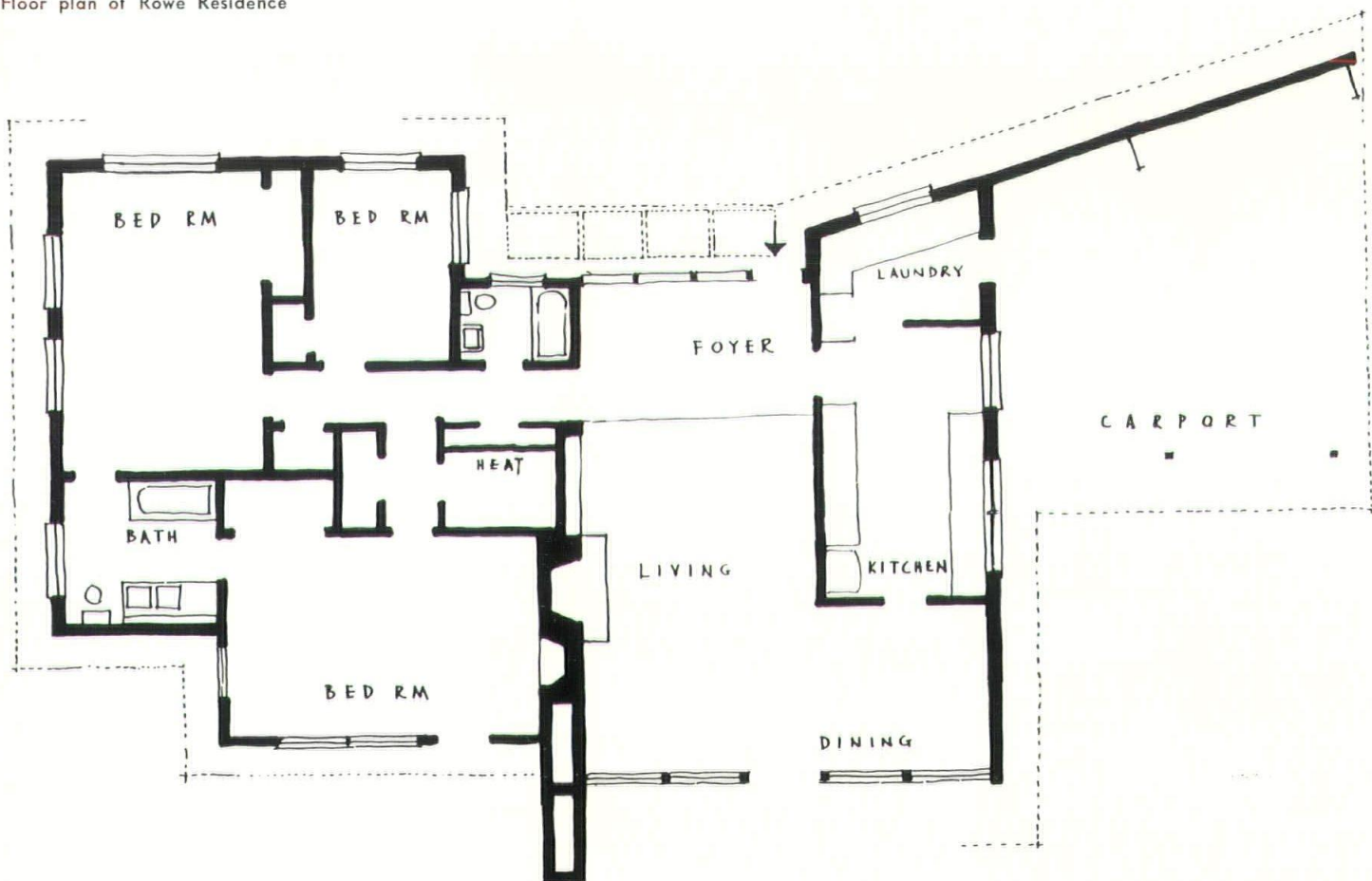






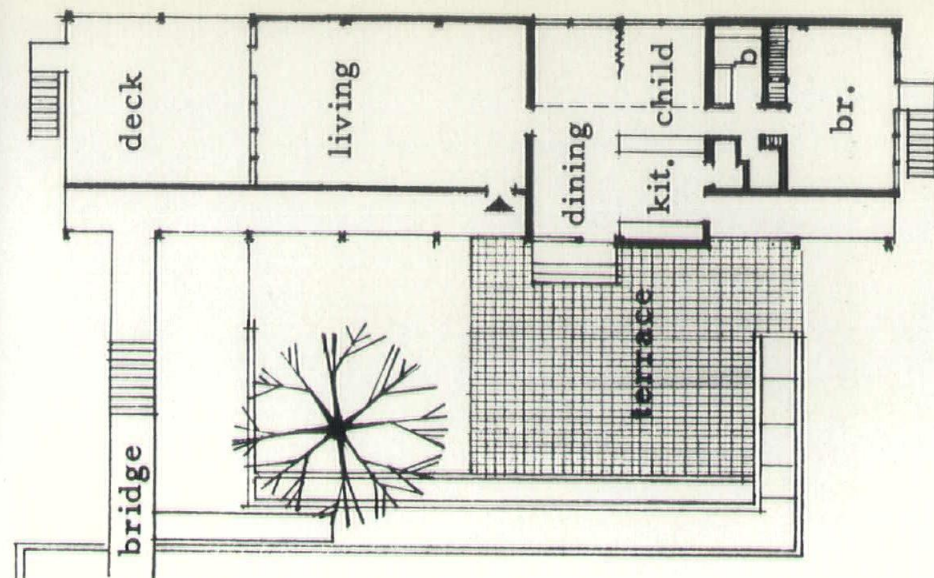
Snowden Rowe Residence  
Architects: Pansiera & Dohme

Floor plan of Rowe Residence



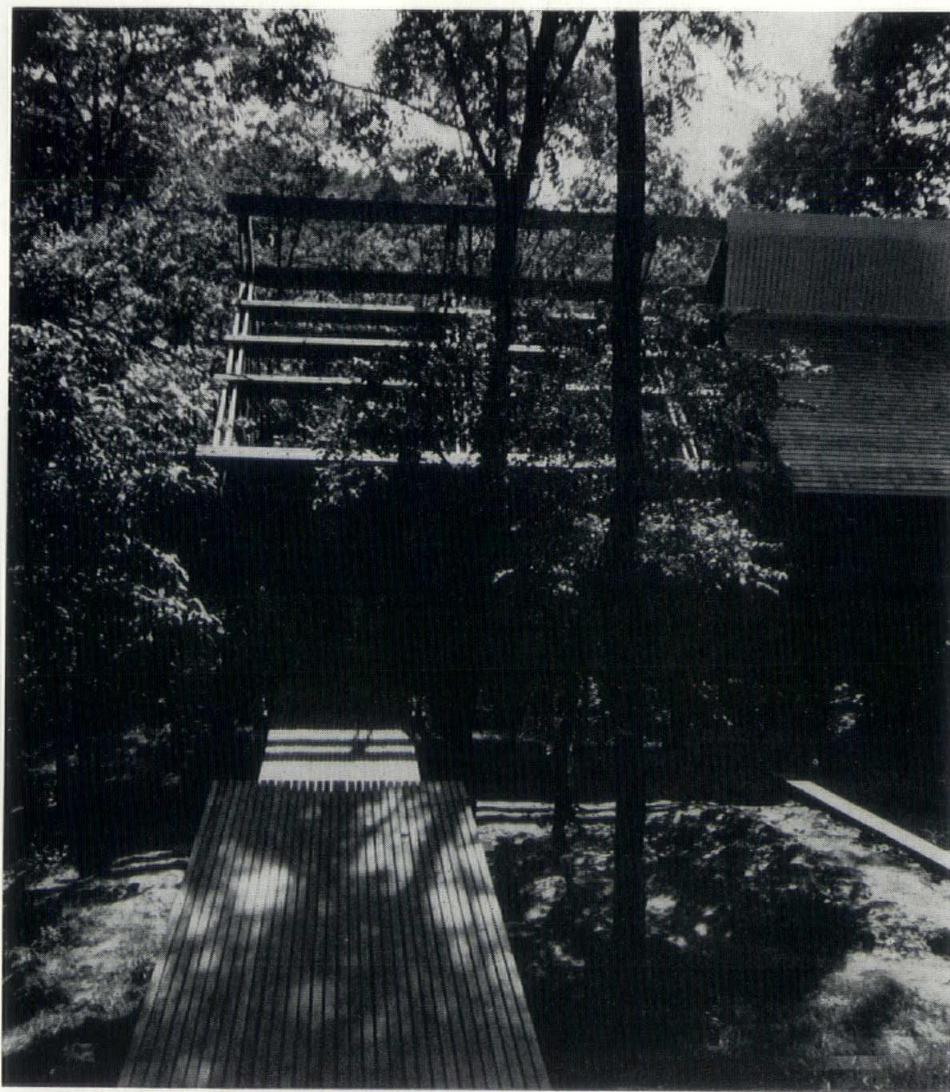
FLOOR PLAN





Floor plan of Geier Residence

James A. D. Geier Residence  
Architects: Garber, Tweddell and Wheeler, AIA



(Continued from Page 10)

tent of the original program that the house be expanded at a future date to provide, in a separate wing, additional bathrooms and bedrooms as needed, at which time the original child's room would become a dining room and the original bedroom a study.

The structure was built on a very steep hillside in a thick woods. Two solutions for constructing the building presented themselves. One, to cut into the hillside and half bury the house on the up-hill elevation. The second solution was to raise the house on stilts above the ground to provide outdoor porches to help substitute for the absence of level land. This was one of the requirements which produced the big porch on the south side of the building.

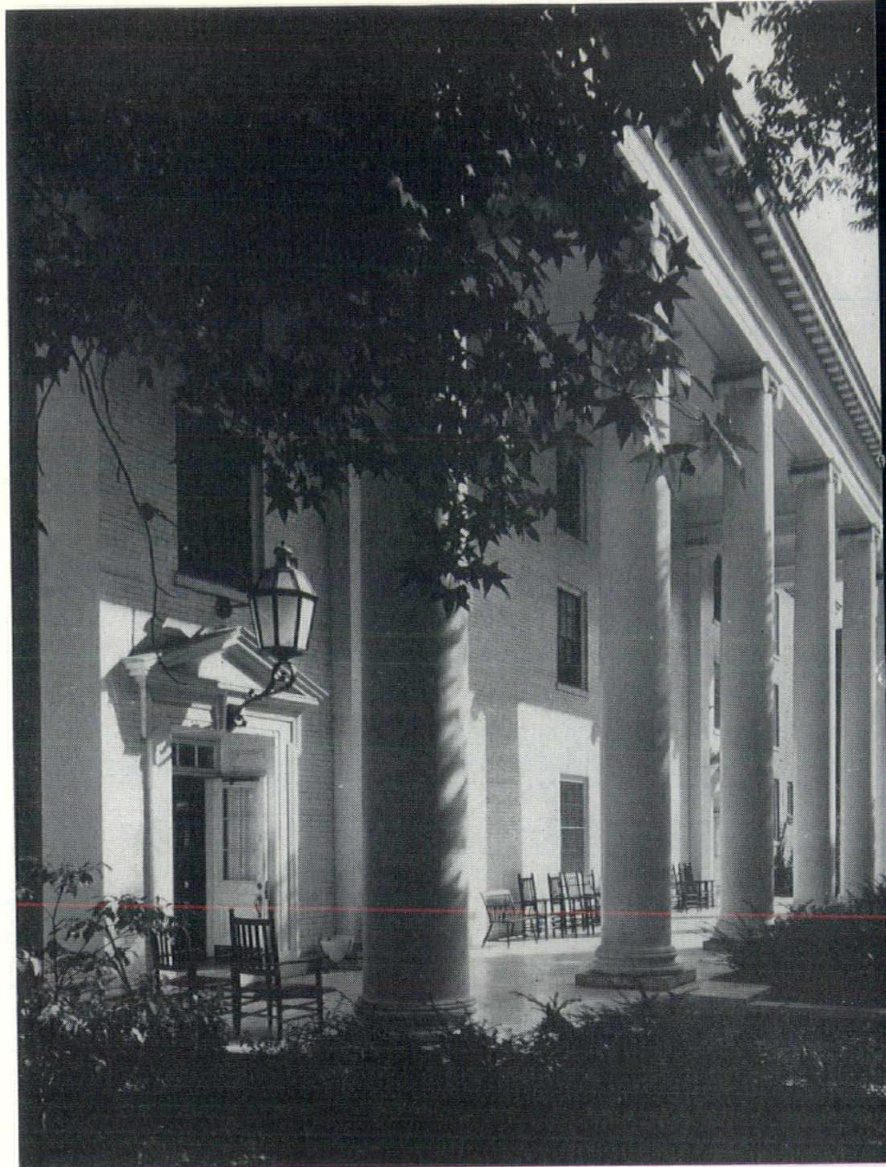
The structural system chosen was one of trusses ten feet o.c. with a 24'-0" span. The roof trusses, with an integral clerestory to the east, were made of structural fir and connected with timber connectors. Kingpost floor trusses have a bottom cord being made of one-inch tension rods. The floor, of course, was insulated and a small pipe hot air heating system runs through the joist spaces (joists are at right angles to trusses).

The volume of the building follows the shape of the roof in all parts of the house except over the center corridor, child's room and bathroom. Hence, the house is large in cubage for its square foot size.

In designing this building the architects made use of some of the techniques of vernacular architecture associated with such common-place structures as barns and loft buildings and combined these techniques with the engineering discipline and delicately scaled detailing characteristic of some modern architecture.

In principle everything to do with the house was kept free of the ground; hence, not only is the floor elevated but the structure is connected with the parking area by bridges made up of trussed two-by-four's. The house comes in contact with the ground only through its posts which carry the truss loads and its small box of utilities centered under the kitchen and bathroom area.





Voigt Hall, Ohio University

## OHIO UNIVERSITY'S NEW DORMITORIES

Potter, Tyler, Martin & Roth, Architects





Lounge of the new Voigt Hall, Ohio University

For the past nine years Ohio University has had under construction a group of men's dormitories on the area to the east of the main campus formerly occupied by one story frame army surplus barracks. These had substituted for the ivy covered halls on other campuses so justly celebrated in poetry and song.

The problem as originally presented envisaged the housing of some 1400 men in walk-up dormitories not to exceed four stories. As plans progressed it became apparent that the group would accommodate 2116 students for the most part in double rooms. This number can be increased to 3000 should the necessity arise. Two cafeterias, one at the south west corner of the group and one at the north west corner are capable of serving 3200 students per meal. Each dormitory has an ample lounge and a sizable library. Jefferson Hall, the northern most building houses 309 students, second and third story lounges, kitchen and cafeteria to serve 1600 students per meal, a branch library, four seminar rooms, a council chamber, basement parking for 125 cars, and an apartment for the director of The East Green. The elaboration of services offered in this building stems from the

custom prevalent nowadays among colleges and universities of playing host to summer conventions of various groups, teachers associations, alumni gatherings and so forth. A considerable group of people could be contained together with their activities in Jefferson Hall.

The dining rooms are air conditioned. Interior finishes are economically conceived.

The lounges are wainscotted from floor to ceiling in plywood-walnut, white oak, redwood or ash. Floors for the most part are covered with asphalt tile although in the dining rooms vinyl plastic floor tile has been employed. Interior wall surfaces generally on the bedroom floors are light aggregate concrete block painted. Divisions between the rooms are effected by prefabricated, storage wall type wardrobes back to back and by metal stud and plaster partition. Toilet and bathroom walls and partitions employ structural glazed tile in 4" x 5" x 10" sizes. Toilet and shower partitions are of marble as are interior window stools throughout. Exterior walls are faced with a variagated red shade brick now standard with the University which is trucked in from a McArthur brick plant about thirty miles distant. Roofs are of shingle tile



nailed to prefabricated concrete roof tile. Each building with the exception of the one now under construction is heated by means of a gas fired hot water boiler. The mechanical rooms each house a domestic water heater and a water softener.

Our fellow architects may very well ask why this group of buildings is designed with such a marked Georgian flavor. The answer is threefold. First of all the original college buildings built prior to 1812 were delightfully Georgian. Bryan Hall which dominates the new group from the hill to the west is Georgian. The newer buildings on the campus are quite Georgian. Therefore, it seemed to the architects that to work in any other design form might seem presumptuous on their part.

Gambrell roofs on the most recent building of the group were used because they allow for a full bedroom floor in the roof space which forms the top story. The pitched roofs came about in the beginning because the east green is often viewed from above and flat roofs viewed thus tend to be unsightly to the eyes of many people. The economy of the group does not seem to have been greatly affected by

designing in a more or less traditional style. Except for those buildings containing extraordinary services such as dining rooms, kitchens, and seminar rooms the cost was \$2780 per student bed.

The last dormitory is at present under construction at the north west corner of the group and will complete it.

New housing for the women of Ohio University has also been included in the University's expansion program.

The new Voigt Hall houses 161 women, for the most part in double rooms, and was built at a cost of \$3338 per student. The great porch on the west side of the building facing South College Street is a favorite meeting place among the students. The first floor is largely occupied by a gracious lounge room served by anti-room and library. Guest rooms are also on this floor as is the office.

The site slopes downward toward the east so that the basement of the wing running east and west is out of ground, has grade level access to a garden area and houses a recreation room served by a small kitchen.

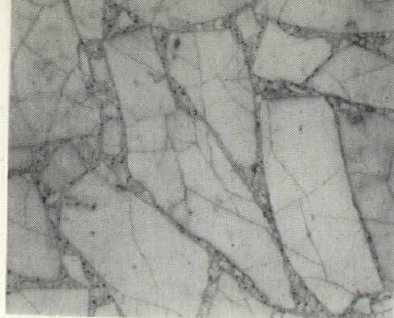
Dormitory Group on the East Green, Ohio University







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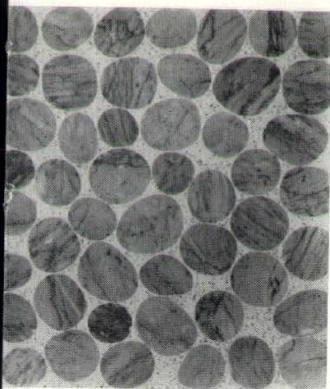
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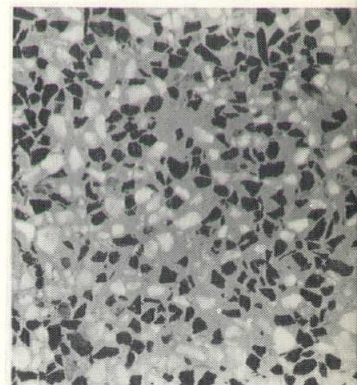
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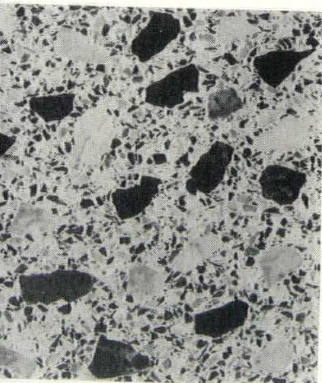
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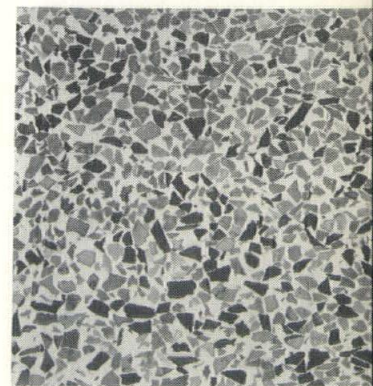
Boiardi "Egg" Tile



Boiardi "Marmo" Tile

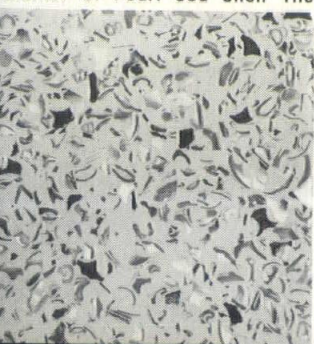


Boiardi "Diana" Tile

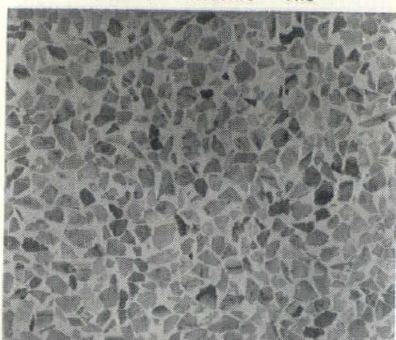


Boiardi "Marmo" Tile

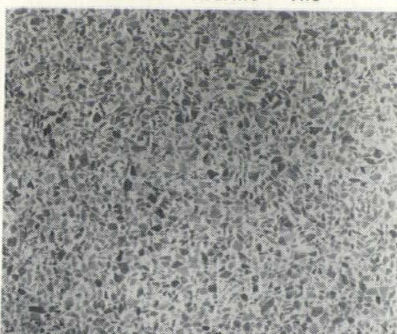
Mother of Pearl Sea Shell Tile



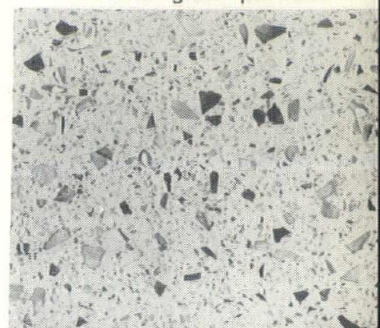
Boiardi "Marmo" Tile



Boiardi "Marmo" Tile



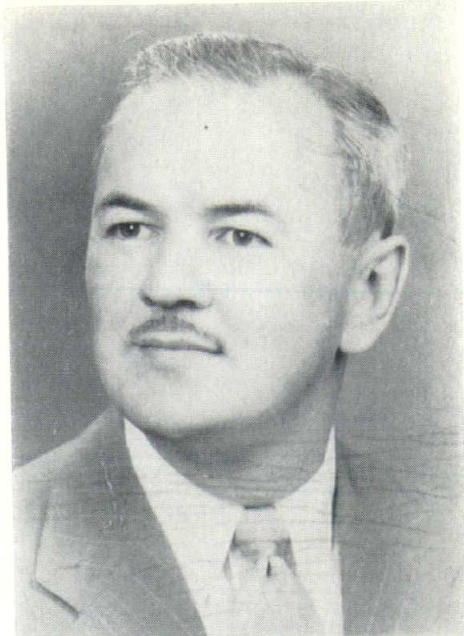
Below, Boiardi "Marmo" with glass particles







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Architects Society of Ohio



Herman S. Brodrick, AIA, 1st Vice-President  
Architects Society of Ohio

## Silver Jubilee Convention

October 22, 23, 24  
1958

# Architects Society of Ohio of the American Institute of Architects

Sheraton Gibson Hotel  
Cincinnati

Architects attending the Silver Jubilee Convention of the Architects Society of Ohio in Cincinnati will be privileged to participate in two panel discussions centered on topics of timely interest to the profession. Architect Howard B. Cain, AIA, Cleveland will moderate a panel on the "Package Deal" vs. Architectural Services." Panel members include Charles L. Barber, AIA, Toledo; Charles M. Messer, Frank Messer and Sons, Company, Cincinnati; and Herbert Millkey, AIA, Georgia.

"Your Registration Law—Is It Adequate?" will be the subject of the sec-

ond discussion. Raymond C. Wetherell, Assistant Prosecuting Attorney for Hamilton County, will serve as moderator. Panelists are Maurice J. Leen, Jr. Dayton Attorney; Walter F. Smith, Cincinnati Attorney; Hugh D. Wait, Columbus Attorney; and Ralph C. Kempton, Executive Secretary, State Board of Examiners of Architects.

Of professional interest also will be the Society's business sessions. Members will hear a recap of the past year's program and discuss and plan for the future. Election of officers for the 1958-59 year will be held.



Convention goers will hear two fine speakers at their evening sessions. John N. Richards, President of the American Institute of Architects, will address the Thursday night meeting on the subject, "Look to the Future." Dr. Henry Pildner from the Atomic Energy Commission will speak on "Architecture in an Atomic Age" at the Annual Banquet on Friday evening.



Richards



Palmer

Nationally known speaker and sales consultant Fred A. Palmer will again present a workshop for Exhibitors at the Convention. This panel was well received at the 24th Annual Convention and promises to be an outstanding program feature this year.

The ladies will enjoy a luncheon in the Gourmet Room of the Terrace Hilton Hotel on Thursday, October 23. The famed Henri, Gourmet Room Manager, will be their host. Having a six weeks tour of Europe where he visited the most lavish restaurants on the Continent, Henri promises the ladies a luncheon comparable with the best of these famous places.



Henri

After a luncheon at the Art Museum on Friday, the ladies will travel to Taft Museum to hear Dr. Byron Bernard speak on his "Mission to Schweitzer." Dr. Bernard, Cincinnati Zoo Veterinarian, recently returned from French Equatorial Africa where he assisted Dr. Schweitzer in his mission hospital.

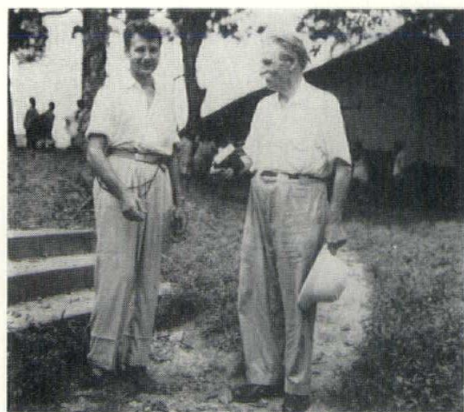
Education—Entertainment—Whatever you wish—The ASO's Silver Jubilee Convention promises to be a memorable event.



Sheraton Gibson Hotel, Cincinnati—scene of Silver Jubilee Convention and Materials Exhibit of the Architects Society of Ohio



Florentine Room, Sheraton Gibson Hotel, Cincinnati—setting for the Ice Breaker Party and Annual Banquet to be held during the ASO's Silver Jubilee Convention.



Dr. Byron Bernard (left) will tell the ladies at the Convention of his "Mission to Schweitzer"

Members of the Ladies Planning Committee for the Silver Jubilee Convention are (left to right) Mrs. Hubert M. Garriott, Mrs. Joseph M. Lyle, Mrs. Benjamin H. Dombor and Mrs. Eugene F. Schrand.





# Your Convention Program—Hour By Hour

## MEN'S PROGRAM

Wednesday, October 22, 1958  
(ASO Headquarters—Marine Room)

### MORNING

10:30 A.M.—4:00 P.M.  
Executive Board Meeting  
and Luncheon ..... Parlor 1  
11:00 A.M.—5:00 P.M.  
Public Relations Committee Meeting  
Great Lakes Region, AIA ..... Parlor 4

### AFTERNOON

4:00—9:00 P.M.  
Registration ..... Roof Garden  
4:30—6:00 P.M.  
Press Party ..... Roof Garden  
5:00 P.M.  
Formal Opening Materials Exhibit ... Roof Garden

### EVENING

6:00—8:00 P.M.  
Executive Board Annual Dinner ..... Parlors 8 & 9  
8:30—??  
Ice Breaker Party ..... Florentine Room

Thursday, October 23, 1958  
(ASO Headquarters—Marine Room)

### MORNING

8:30 A.M.—ON  
Registration ..... Roof Garden  
8:30—9:30 A.M.  
Chapter Officers Breakfast ..... Parlor H  
Charles J. Marr, presiding  
8:30—9:30 A.M.  
View Product Exhibits ..... Roof Garden  
9:30—10:30 A.M.  
ASO Business Session ..... Parlor B  
Charles J. Marr, presiding  
9:30—11:00 A.M.  
Exhibitors Workshop ..... Sheraton Room  
Fred A. Palmer, Moderator  
(Sponsored by OHIO ARCHITECT and  
the Architects Society of Ohio)  
10:30—11:00 A.M.  
Great Lakes Region, AIA Report ..... Parlor B  
Bergman S. Letzler, presiding  
11:00 A.M.—12:00 M  
Social Hour & View Product Exhibits ... Roof Garden

### AFTERNOON

12:00 M—2:00 P.M.  
Luncheon ..... Roof Garden  
Joseph M. Lyle, presiding  
Invocation—The Rt. Rev. Msgr. Edward A.  
McCarthy, Roman Catholic Diocese,  
Cincinnati  
Greeting—The Honorable Donald Clancey,  
Mayor, City of Cincinnati  
2:15—4:30 P.M.—"Package Deal" vs.  
Architectural Services Panel ..... Roof Garden  
Howard B. Cain, AIA, Cleveland, moderator  
Charles L. Barber, AIA, Toledo  
Charles M. Messer, Frank Messer & Sons,  
Cincinnati

Herbert Millkey, AIA, Georgia  
Fred C. Hauck, Secretary, Ohio Construction  
Council

4:30—6:30 P.M.—Tour of Cincinnati  
Board Busses at Main Entrance to Hotel

### EVENING

7:30—9:30 P.M.—Social Hour, Buffet  
Dinner & Exhibitors Open House .... Roof Garden  
"Look to the Future"—John Noble Richards,  
FAIA, President, The American Institute of  
Architects

Friday, October 24, 1958  
(ASO Headquarters—Marine Room)

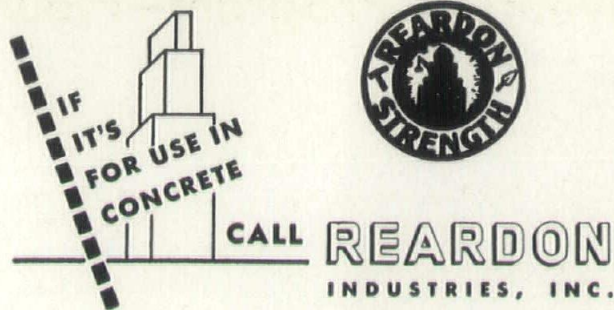
### MORNING

8:00—9:00 A.M.  
Exhibitors Breakfast ..... Sheraton Room  
Herman S. Brodrick, presiding  
(Courtesy OHIO ARCHITECT and  
the Architects Society of Ohio)  
8:30—ON  
Registration ..... Roof Garden  
9:00—9:30  
View Product Exhibits ..... Roof Garden  
9:30—11:00  
ASO Business Session ..... Parlor B  
Charles J. Marr, presiding  
Election of Officers  
11:00 A.M.—12:00 M  
Social Hour & View Product Exhibits ... Roof Garden

### AFTERNOON

12:00 M—2:00 P.M.  
Luncheon ..... Roof Garden  
Hermon S. Brodrick, presiding  
Invocation—Rabbi Victor E. Reichart  
Rockdale Temple  
Speaker—Douglas Haskell  
Editor, ARCHITECTURAL FORUM  
2:15—2:30 P.M.—State Board of Examiners  
of Architects Report ..... Roof Garden  
Harold H. Munger, presiding  
2:30—5:00 P.M.—"Your Registration Law—  
Is It Adequate?" ..... Roof Garden  
Raymond C. Wetherell, Moderator  
Ass't. Prosecuting Attorney, Hamilton County  
Maurice J. Leen, Jr., Attorney, Dayton  
Walter F. Smith, Attorney, Cincinnati  
Hugh D. Wait, Attorney, Columbus  
Ralph C. Kempton, Executive Secretary  
State Board of Examiners of Architects  
6:00—7:00 P.M.  
President's Reception ..... Parlors 7, 8, 9  
7:00—10:30 P.M.  
Annual Banquet ..... Florentine Room  
Charles J. Marr, presiding  
Invocation—Reverend Henry W. Sherrill  
Church of the Redeemer  
Introductions and Awards  
Speaker—Dr. Henry Pildner  
Atomic Energy Commission  
"Architecture in the Atomic Age"  
Installation of New Officers  
Adjournment





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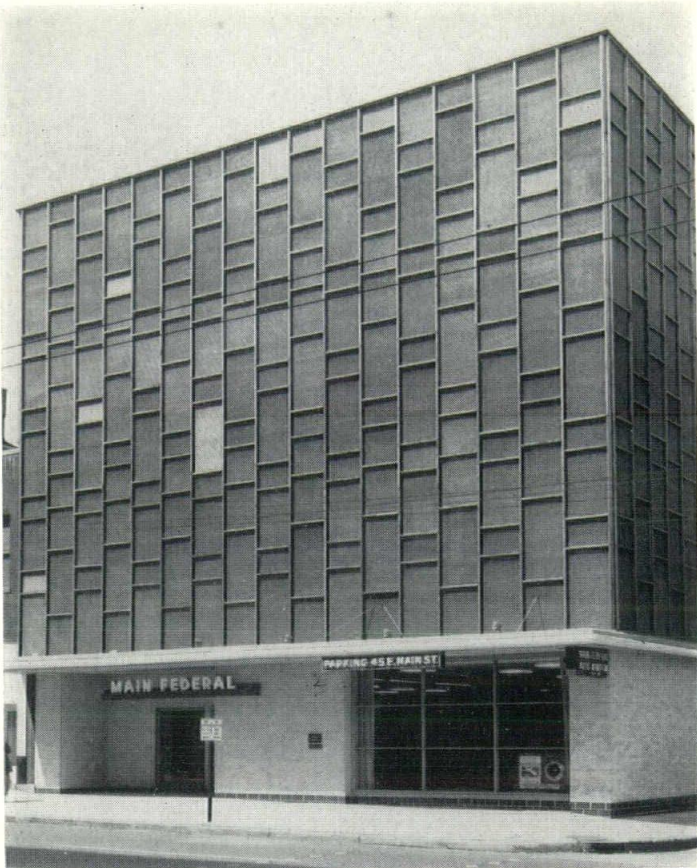
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ZONE 10





Main Federal Savings & Loan Building — After remodeling.

## MAIN FEDERAL REMODELING

Architect R. A. Kratoville

Main Federal Savings & Loan Building — Before remodeling.





The problem of creating new offices for the Main Federal Savings and Loan Association at 24 East Main Street, Columbus, Ohio, contained many interesting elements.

For most individuals the act of borrowing or investing involves a serious commitment of personal resources. It is to be expected that this experience is not without some emotional strain. Understanding the need of the individual to feel personally significant and at ease in his environment, the architect in this instance established that the emotional values to be sought for would be the principle influences on the design. In this light the influences of the site, the function and the budget were subjected to individual analysis.

Since Main Federal already occupied offices on the ground floor of a four story building at 24 East Main, a choice had to be made between adding and rebuilding or razing and constructing a new building. This aspect was evaluated in the following terms:

A. A new building —

7000 sq. ft. required to house the function; to raze and build new would cost twice the amount of rebuilding, adding and altering; a new building of this size would have no rise or profile in the neighborhood; and a new building would mean almost certain temporary relocation of the existing office, maximum interference, and overbuilding in this area.

B. Rebuild, Add and Alter —

7000 sq. ft. required to house the function; the existing four story building had sufficient attention attracting mass; and the cost of rebuilding, adding and altering would not exceed the cost of leasing 7000 sq. ft. for a period of twenty five years at \$.80 per sq. ft. per year. (approximate rate for warehouse).

These factors, together with the uncertain future of the neighborhood as influenced by a continuous urban redevelopment planning program decided the physical issue in favor of rebuilding.

The building as it now stands presented a minor problem of physical and visual unification of two adjacent buildings. The first and second floors were physically unified by the design of a 44 ft. span concrete rigid frame that rose from the basement to the third floor. This frame was detailed for installation in such a manner that all forming, floor diaphragms and the pour were supported from the bearing wall dividing the two adjacent units without the use of shoring and with no interference with the occupant. The masonry wall and forming were removed after the concrete had aged to its design strength and was able to assume the load.

The visual unification of the exterior required considerable study and cost analysis. Finally selected was a system of redwood mullion and muntin housing panels of expanded aluminum color anodized blue and gold arranged in a geometric pattern.

Because visual unity could not be permitted to stop at the entrance, the tellers' counter, which is the salient

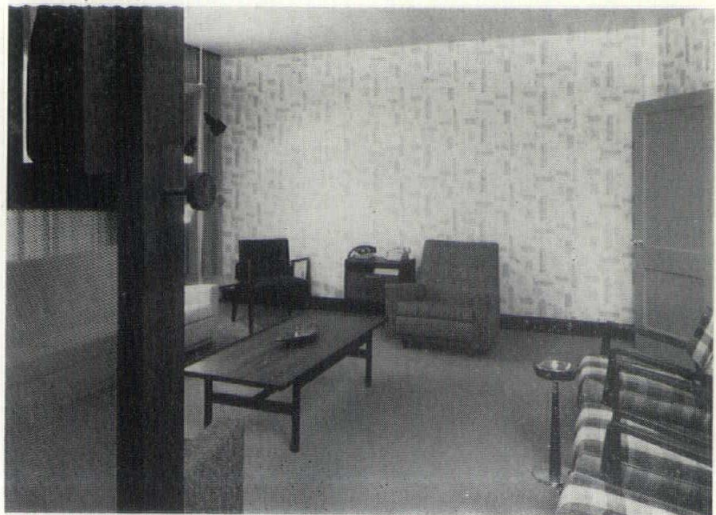


Interior view of Main Federal Building



Directors' Room and Staff Lounge—note replacement of the formal directors' table with comfortable Lounge type furniture. Screened off for the staff is an attractive area for relaxation. Shown above is the Risom furniture used to execute this room. Furnishings by Dorsey's General Office Equipment Company of Columbus.

The color scheme in the Directors' Room and Staff Lounge involves beige tones combined with browns and turquoise. The Risom chair next to the phone cabinet is covered in a blue fabric and used as an accent piece.

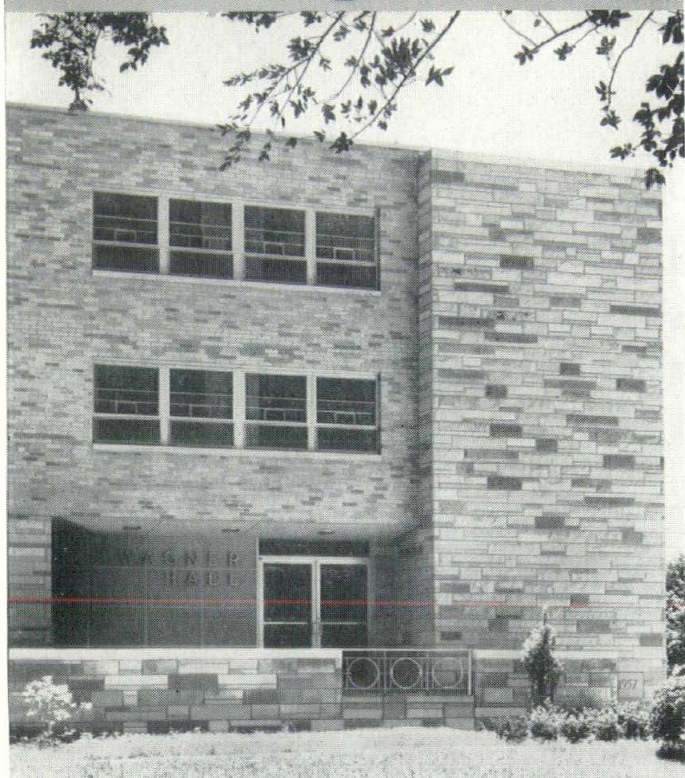




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Architects: Sims, Cornelius & Schooley, Columbus, Ohio

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interior element, incorporated the texture of expanded aluminum in its skirting. These same tellers' counters created by the Architect as an element of the design set the rhythm for interior shape, color and texture harmonies and contrasts.

Interior space division is minimal. There are no railings; space separation is suggested, not established.

Perhaps the effectiveness with which a new emotional appeal was achieved in this design can best be measured by the growth of Main Federal from a twelve and a half million dollar to a thirteen and a half million dollar institution within six months after the opening of its new office.

The Architect for the Main Federal Savings and Loan Association Building, R. A. Kratoville, AIA, Westerville, was educated at Fenn College and Western Reserve University in Cleveland.

His early work experience was with a well known architectural firm in Northern Ohio and included experience with schools, hospitals, churches and miscellaneous commercial buildings.



Kratoville

For the past three years he has been retained as coordinating and executive Architect, directing a staff of approximately thirty architects, professional engineers and draftsmen engaged in facility and product design for one of the largest manufacturers in the State of Ohio.

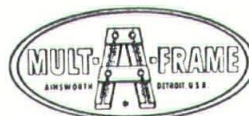
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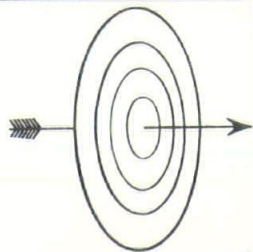
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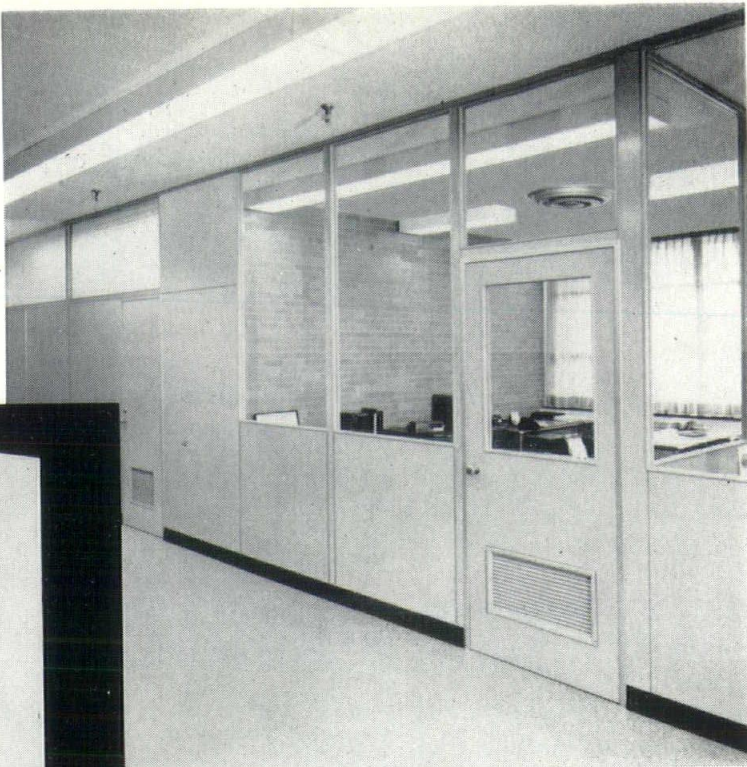
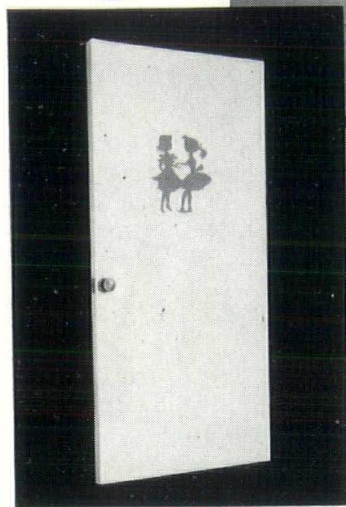


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# WOOD AND INGENUITY

*A great deal of interest was evoked by an article published in the May, 1957 issue of OHIO ARCHITECT on utilization of metals in design of staircases ("The Modern Staircase," by J. E. Bly, Ohio Association of Architectural Metal Manufacturers.) The response pointed up the fact that the art of building ornate wooden staircases which flourished in the last century is still alive. We asked the Hyde-Murphy Company, Ridgway, Pennsylvania custom builders of architectural woodwork, to bring us up to date on this. The article that follows is their reply. EDITOR*

The Stairbuilder reached his zenith in the Nineteenth Century. He refined his art to such an extent that the staircase became the focal point of the building, ornamentally and functionally. The architect would first conceive an exquisite staircase, then design the rest of the structure to provide a compatible showcase for it. Lobby, parlor,



Shipped entirely assembled was this exquisite staircase for the home of Miss Darthea Rowland, Franklin, Pa. Millwork was built up at Hyde-Murphy plant in Ridgway, Pa. Note rosette where rail butts into wall and 180-degree turn of left rail. Spacious effect is enhanced by use of full-length mirror facing base of staircase.

halls and bed-chambers he conceived as radial embellishments.

Automation, conformity, and the modern metals introduced new concepts. Mass production and low-cost housing became bywords. In this, there was the implication that the stately beauty of Nineteenth Century wooden staircases had gone into limbo.

Not so!

It is true that Twentieth Century technology has earned an important role in architecture. If it has done nothing else, it has put fine housing within practical reach of the many who could not previously afford it.

But there remains an exclusive niche for ornate wooden staircases. This niche is a premium market. And the product is not inexpensive. On the other hand, the aesthetic values of wood and the Stairbuilder's art offer advantages that cannot be duplicated.

Grain, texture, patina, and wearing properties of wood provide warmth that cannot be matched by ersatz and imitation. And stairbuilding, together with carving, represents the acme of the woodworking crafts.

For the architect, the wooden staircase poses a formidable challenge and a limitless opportunity. All his ingenuity is taxed to employ the poetry of graceful turnings and carving, curves and angles, to create an entity beautiful as a whole and intricate in its many parts: volutes and other rail crooks, easements, bullnose treads, open or closed string design. And judicious choice of lumber is required to evoke the greatest beauty.

Walnut, birch, mahogany, oak and poplar are most commonly selected. Poplar is especially compatible in the Colonial architectural environment in which ornate staircases are so often set. The rails, newels, balusters and wainscot are of poplar, painted white. While, for greater durability, natural walnut or birch is specified for treads and risers. To counter warping, the birch is cut into narrow strips and glued together with a resin glue. The bond thus formed is stronger than the wood itself. Mahogany should be used for rails, newels, balusters and wainscot only, with the longer-wearing harder woods usually recommended for treads and risers.

But most important is craftsmanship. The art of the Stairbuilder is not learned as a formal discipline, nor developed by rigorous geometrical exposition; nor yet can it be spoon-fed to the unsympathetic.

Not just anybody can build a wooden staircase more ornamental than a kitchen ladder. The typical Stairbuilder, seldom a student of geometry, is the scion of a family that has been building staircases for many generations. His master was his father. His acute sensitivity to the

*(Continued on Page 27)*



qualities that make a staircase beautiful are innate.

Modern technology has thinned the ranks in many craft and trade categories—the blacksmith, the tailor, the hostler, the lamplighter, and the Stairbuilder. In the relatively few families in which the art of the Stairbuilder has been preserved, it is clung to as a precious inheritance.

Fundamentally, the Stairbuilder's art is the same today as it was 100 years ago. But it has capitalized in some particulars on advances in technology.

As always, it is the practised eye of the Stairbuilder himself that selects and matches woods for grain, color and texture. It is his critical faculty that selects and rejects material on the basis of the same stringent criteria that govern the wood carver.



Broad white fascia, intricately lathed balusters, use of the quarter turn and breakover provide opulent beauty for Dr. Magee's home. Hyde-Murphy designed staircase and mezzanine handrail to blend harmoniously into the general architectural scheme.



Gently curving twin stairways in the lobby of the Asphalt Institute Laboratory, University of Maryland, feature handrails of straight-grain walnut and risers, stringers, and platform skirting of white pine, finished natural. Treads and nosings are marble.

Nowadays, he makes use of power tools freely. But, in adjusting and operating these machines, he must use all the judgment and skill required for fashioning the parts by hand in order to produce commensurate aesthetic values.

And the Stairbuilder has adapted resin glues as bonding agents for the laminated wood he now uses in building curved parts. Laminae are clamped on forms until the glue has become thoroughly dry. The bond thus formed is stronger than the wood itself. And this construction retains the desired configuration in opposition to all warping and resilient forces.

Many craftsmen have learned to take advantage of the flexibility of the modern materials to force members that have not been precisely machined into the plane for which they were designed. This is at once one of the economies and one of the makeshifts arising from inherent properties of these modern materials. The expedient compromises the beauty of symmetry by violating its necessary concomitant, geometrical integrity.

Wooden structures require precision design and precision carpentry. All parts of an ornate wooden staircase must be machined within tolerances of 1/32 inch. Otherwise, open joints, warping, and structural weaknesses will be manifest in an architectural gargoyle. And provision for stair wedges must be made with care; else the owner will be annoyed by squeaks.

In general, wooden structures should be finished under the controlled conditions of the mill in order to insure finish to specifications and to prevent absorption of moisture and adherence of dirt and debris at the jobsite. This rule is relaxed a little in the case of stairs. Along with the hanging of doors, installation of the staircase is usually one of the last steps taken in construction of the building. Normally, the staircase will be promptly installed and promptly finished on delivery. Adverse conditions such as excess moisture and debris have commonly been eliminated at this stage.

To play safe, however, it is recommended that a first coat be applied at the mill. It is often preferable to defer application of the final coat until after installation, thus reserving an opportunity to touch up any scratches that might have been incurred after parts have been shipped out of the mill.

Fabricated parts should be stored prior to delivery in clean, ventilated storage facilities in which humidity is carefully controlled. Delivery date should be timed accurately to preclude the possibility that parts will be left lying about in a humid, littered environment for a long time prior to installation and finishing.

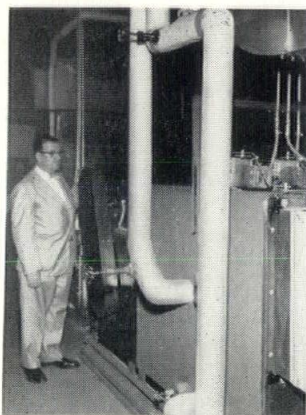
Shipment of staircase parts should be undertaken with special care. Air cushions or similar protective devices should be packed among the parts to prevent damage. Wainscot should be shipped in built-up sections less than 10 feet in length. Treads, risers, stringers, balusters, and newel posts are shipped as units. Assembly should be closely supervised by well qualified personnel.



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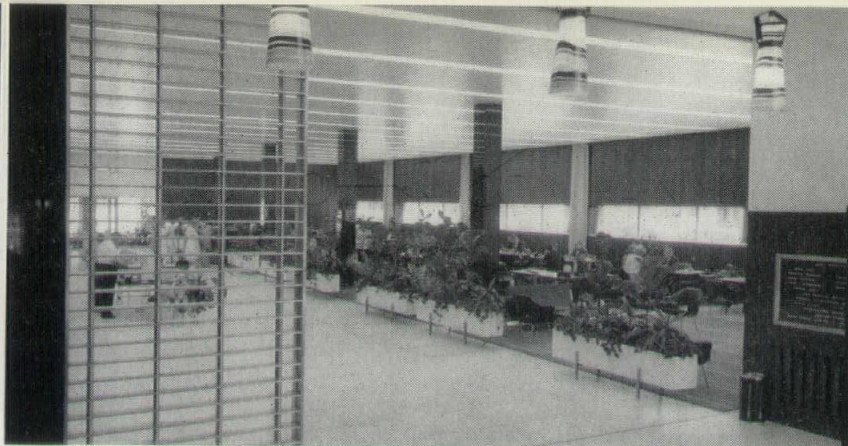
Mr. Reese, Chairman of the Board



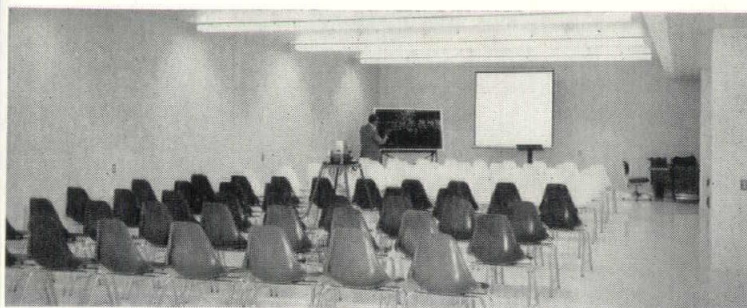
Frank S. Farrington, Vice President,  
shows one of the two heat  
pump installations.



Architect: Joseph Baker & Associates, Newark  
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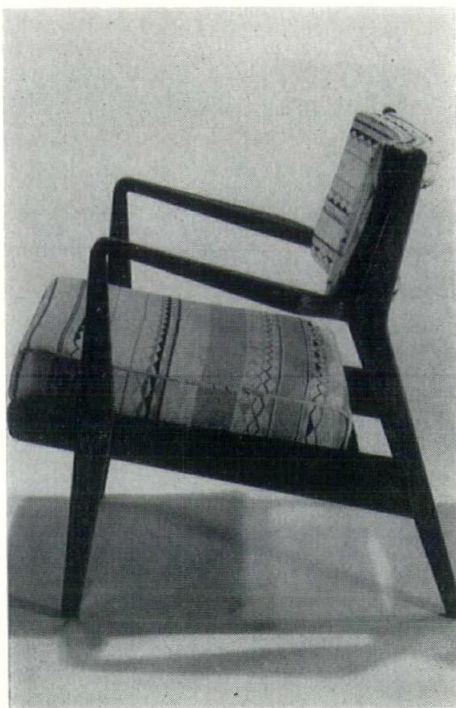
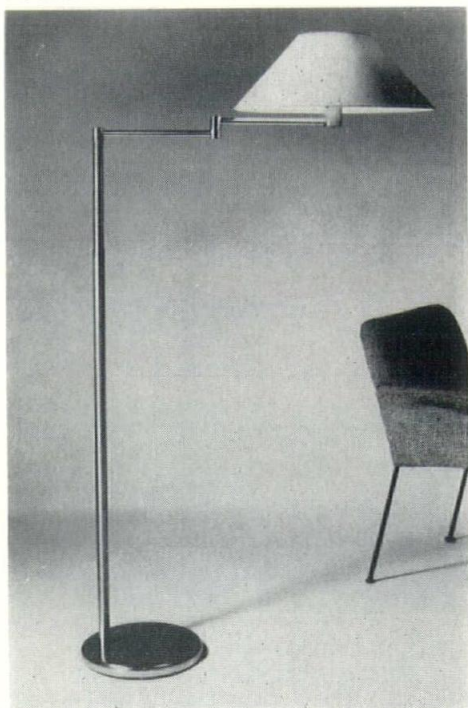
**OHIO POWER COMPANY**



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## Prizes To Be Awarded During ASO Convention



A number of fine prizes will be awarded to architects attending the Silver Jubilee Convention of the Architects Society of Ohio at the Sheraton-Gibson Hotel, Cincinnati, on October 22, 23, 24.

Among them are a coffee table, to be awarded by the Marbleart Corporation of Cleveland; a Risom "Quick Change" low armchair, gift of Globe Office Equipment and Supplies Inc.; and a Nessen swing arm floor lamp, gift of Nessen Studio Inc., New York. Arrangements for the latter awards were made by Mr. William T. Weber of Pritchard and Roberts Inc., Chicago representatives for Risom and Nessen.

The Jens Risom armchair is of natural walnut with linseed oil finish and covered with Risom custom cotton fab-

ric in smoke, white and beige stripe. Retail price for the chair is \$164.00. The foam rubber seat and back are detachable and have zippered covers. The seat cushion is also reversible. This chair may be seen in the Risom display at Globe Office Equipment, 706 Walnut Street, Cincinnati.

The Nessen floor lamp is of satin chrome finish over solid brass. The shade is of white Belgian linen and the lamp retails for \$66.00. It adjusts in height from 49" to 60" utilizing the time tested concealed Nessen telescopic action mechanism that keeps the lamp at the desired height without external fastening devices. This model was one of the three Nessen lamps selected by the Institute of Contemporary Art in Boston to be shown in the U. S. In-

dustrial Design and Crafts Exhibit at the Brussel's World Fair.

## The Architectural Area And Volume of Buildings

(As stated in Document No. D-101, formerly 239, 1958 Edition issued by The American Institute of Architects)

The architectural area of a building is the sum of the areas of the several floors of the building, including basements, mezzanine and intermediate floored tiers and penthouses of headroom height, measured from the exterior faces of exterior walls or from the center line of walls separating buildings.

Covered walkways, open roofed-over areas that are paved, porches and similar spaces shall have the architectural area multiplied by an area factor of 0.50.

The architectural area does not include such features as pipe trenches, exterior terraces or steps, chimneys, roof overhangs, etc.

The architectural volume (cube or cubage) of a building is the product of the total areas defined above and the height from the average depth of footings to finish floor, floor to floor, to the average height of the surface of the finished roof above, for the various parts of the building.

### Recall?

The Northern California Chapter Bulletin reports a typographical error in the San Francisco Call-Bulletin.

In reporting that John N. Richards was elected as new "chief" of the A.I.A., the newspaper headline read: "Pick Architect Thief"! — Reprinted from the Southern California Chapter, AIA, Bulletin.

## ANNOUNCING THE NEW PRE-STRESS DIVISION

Just completed . . . New Pre-Stress facilities in Columbus, Ohio. Included is a 420 ft. long bed for producing 4'-0" wide x 14" deep—Double-Tee Slab. . . and 120' long "H" Bed for producing a variety of Beams—girders, using high-tensile strand reinforcing. Specify Permacrete Pre-Stressed Products on your next project.

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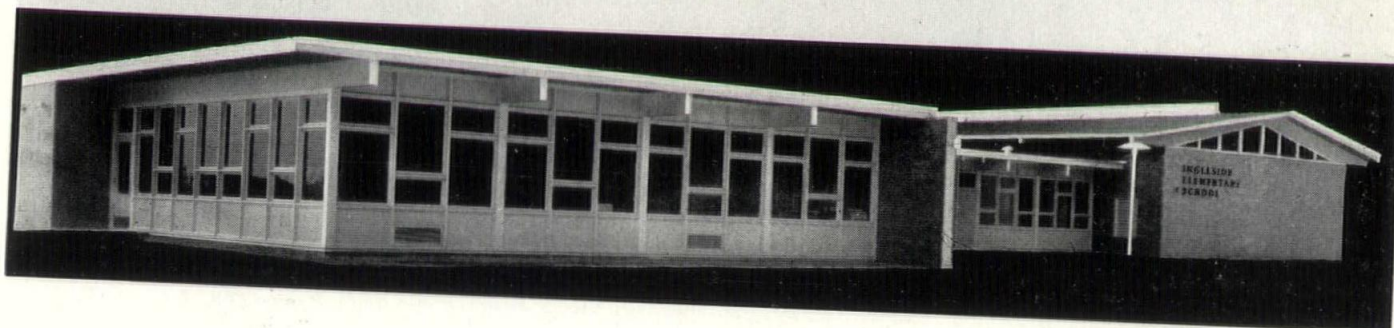
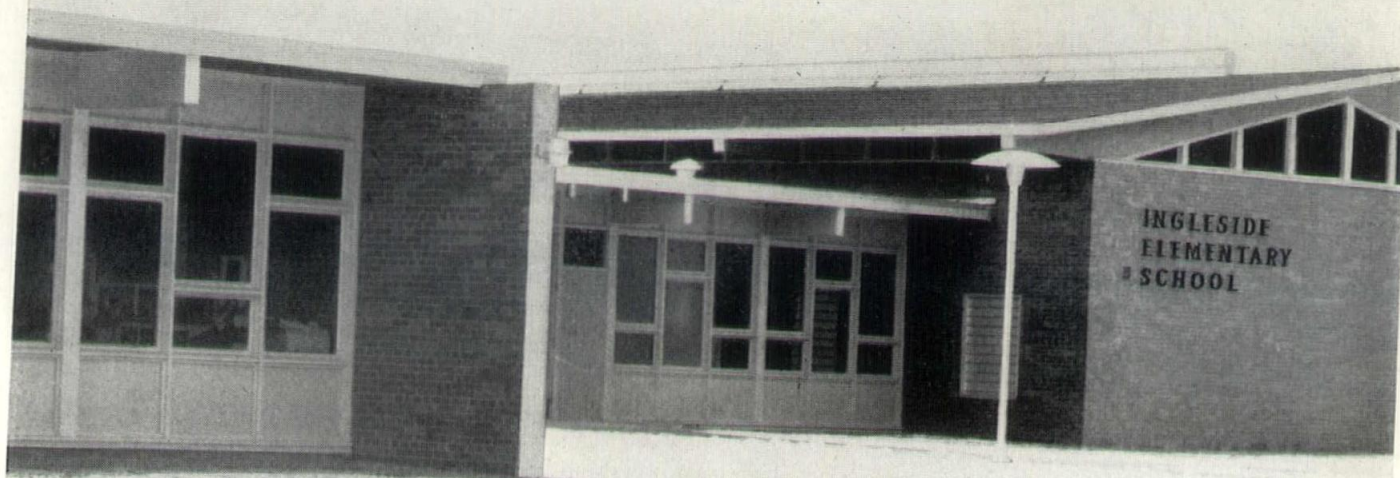
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“Andersen Flexivent® and Flexiview Windows were selected for our new Ingleside Elementary School to complement the extensive use of wood in the interior,” reports W.L. Berkhof, Supt. of Schools, Mount Clemens, Michigan.

“The installation,” continues Mr. Berkhof, “has enhanced the beauty of the building and provided the feeling of warmth which is so desirable in facilities designed for younger children. Our heat loss is small. Limited infiltration assures optimum comfort for our pupils.”

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# Materials Exhibit Scheduled for ASO's Silver Jubilee Convention

Architect members will be pleased to know that the Materials Exhibit at their 25th Annual Convention in Cincinnati will be one of the most diversified in the Society's history. Fifty-nine booths will contain the products of many different manufacturers of construction materials.

Please note that the listing below is complete as of September 30, 1958.

Be sure to visit with each exhibitor — the displays alone are worth attendance at the Cincinnati Convention.

- |  |   |  |  |
|--|---|--|--|
| <b>Booth No. 3</b><br>Ohio State Lathing & Plastering Contractors Ass'n., Inc. | Cambridge Tile Mfg. Co.<br>Cincinnati 15, Ohio  | <b>Booth No. 25</b><br>Marbleart, Inc.<br>Cleveland 13, Ohio     | Geo. P. Little Co., Inc.<br>Cleveland, Ohio                                      |
| <b>Booth No. 4</b><br>General Dredging Co., Inc.<br>Ft. Wayne, Ind.            | <b>Booth No. 14</b><br>Rapidex Div. of Spickelmier Industries, Inc.<br>Indianapolis, Ind. | <b>Booth No. 30</b><br>Modernfold Door Distributors of Ohio      | E. C. Decker & Co., Inc.<br>Cincinnati 2, Ohio                                   |
| <b>Booth No. 5</b><br>Flexicore Mfgs. of Ohio                                  | <b>Booth No. 15</b><br>Rolscreen Co.<br>Pella, Iowa                                       | <b>Booth No. 31</b><br>Russwin Distributors of Ohio              | <b>Booth Nos. 44 and 45</b><br>Superior Standardline Corp.<br>New York 57, N. Y. |
| <b>Booth No. 6</b><br>The Philip Carey Mfg. Co.<br>Cincinnati 15, Ohio         | <b>Booth No. 16</b><br>The Janson Industries<br>Canton, Ohio                              | <b>Booth No. 32</b><br>W. R. Meadows, Inc.<br>Elgin, Ill.        | <b>Booth No. 46</b><br>The Reliance Art Metal Co.<br>Cincinnati 14, Ohio         |
| <b>Booth No. 7</b><br>The Williams Pivot Sash Co.<br>Cleveland 14, Ohio        | <b>Booth No. 17</b><br>Kesko Products<br>Bristol, Ind.                                    | <b>Booth No. 34</b><br>Arketex Ceramic Corp.<br>Brazil, Ind.     | <b>Booth No. 50</b><br>Beck Studios<br>Cincinnati 19, Ohio                       |
| <b>Booth No. 8</b><br>American-Olean Tile Co.<br>Lansdale, Pa.                 | <b>Booth No. 18</b><br>Alsynite Co. of America<br>Ohio Distributors                       | <b>Booth No. 35</b><br>Ohio Steel Fabricators Ass'n.             | <b>Booth No. 51</b><br>Structural Clay Products Institute<br>Canton, Ohio        |
| <b>Booth No. 9</b><br>Garden City Plating & Mfg. Co.<br>Cincinnati, Ohio       | <b>Booth No. 20</b><br>The Mosaic Tile Co.<br>Zanesville, Ohio                            | <b>Booth No. 36</b><br>Andersen Corp.<br>Bayport, Minnesota      | <b>Booth No. 52</b><br>Stark Ceramics, Inc.<br>Canton, Ohio                      |
| <b>Booth No. 10</b><br>Maintenance Products, Inc.<br>Worthington, Ohio         | <b>Booth No. 22</b><br>Endicott Church Furniture Inc.<br>Winona Lake, Indiana             | <b>Booth No. 37</b><br>Buildex, Inc.<br>New Lexington, Ohio      | <b>Booth No. 53</b><br>Cinder Products, Inc.<br>Cincinnati 16, Ohio              |
| <b>Booth No. 11</b><br>Libbey-Owens-Ford Glass Co.<br>Toledo, Ohio             | <b>Booth No. 23</b><br>The David Hummel Building Co.<br>Cincinnati 14, Ohio               | <b>Booth No. 39</b><br>Hough Mfg. Co.<br>Janesville, Wisc.       | <b>Booth No. 54</b><br>Westinghouse Electric Corp.<br>Mansfield, Ohio            |
| <b>Booth No. 12</b><br>Hunter Douglas Aluminum Corp.<br>New York, New York     | <b>Booth No. 24</b><br>Tubular Products, Inc.<br>Souderton, Pa.                           | <b>Booth No. 40</b><br>Stromberg-Carlson<br>Ohio Representatives | <b>Booth No. 59</b><br>Wicks Pipe Organ Co.<br>Highland, Ill.                    |
| <b>Booth No. 13</b>  |   | <b>Booth No. 42</b><br>Mural Arts<br>Canton, Ohio                | <b>Booth No. 60</b><br>Rotolite of Midwest<br>Cleveland Hgts., Ohio              |

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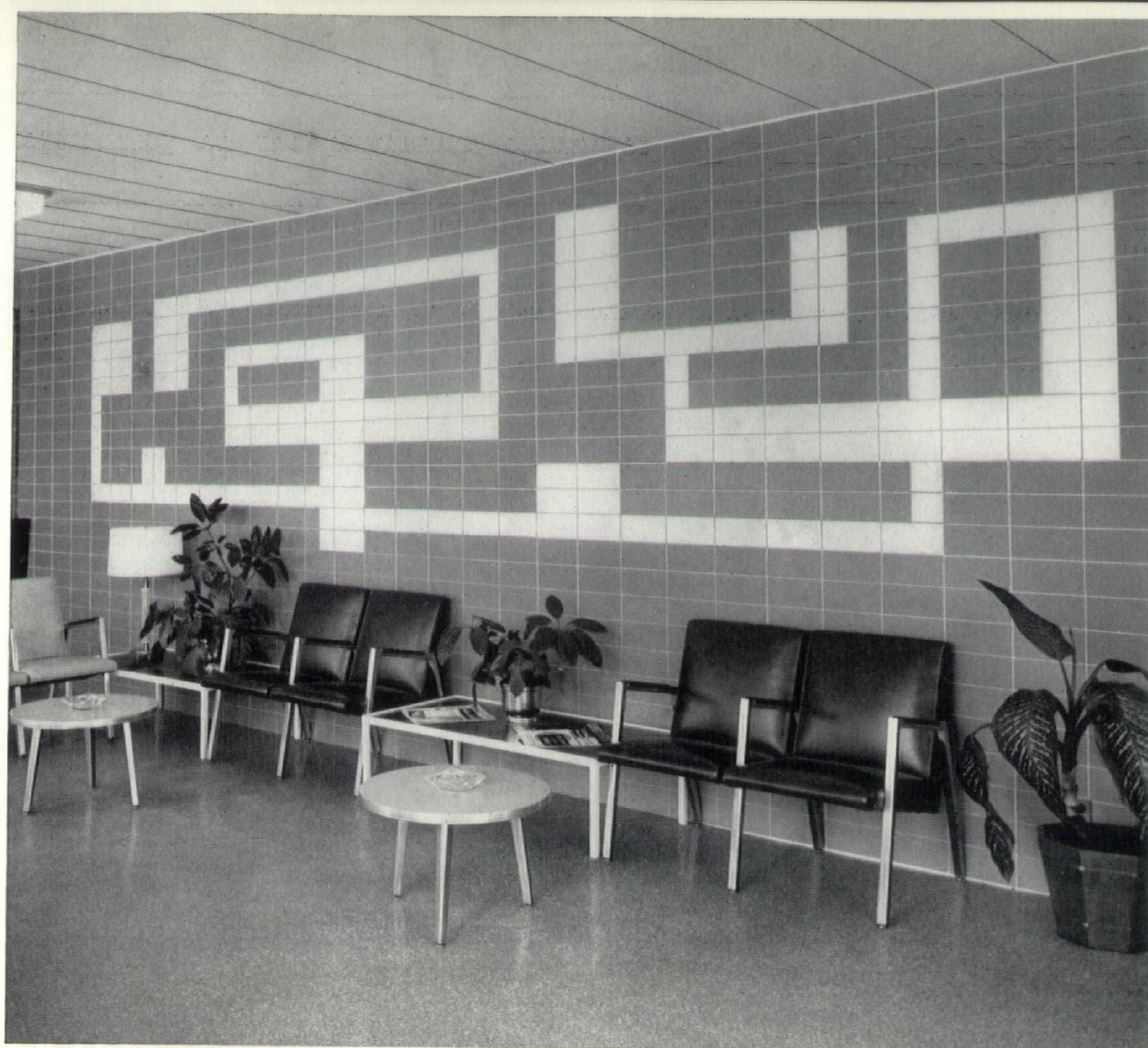
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## Ohio Architect Cover Design Competition Announced

ASO Publication Chairman Howard Cain has announced a design competition for the cover of *Ohio Architect Magazine*. Associate Editors have notified their Chapter members and student members that the ASO will present a \$25 prize for the best cover format presented by Friday, October 24, at the Society's Silver Jubilee Convention in Cincinnati.

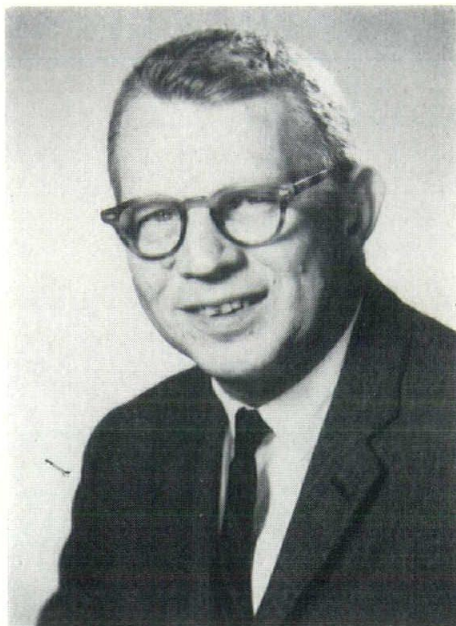
Each Associate Editor will make the presentation of all submissions from his Chapter area on that date. The ASO Executive Board will judge these entries; duplicate prizes will be awarded in the event of a tie. The Architects Society of Ohio will reserve the right to reproduce the design or designs which will become the property of the Society.

Entries should be on rigid paper or cardboard (in color, if deemed appropriate) and 8½" x 11" in size.

The originator of each design should place his name, address and Chapter on the back of his design or designs together with a statement of his con-

ception of the design format—that is, a description of the portion of the design to be repeated each month, portion subject to change, etc.

## George F. Schatz to Serve On Architects Board



George F. Schatz, AIA

Governor C. William O'Neill has appointed George F. Schatz, Registered

Architect of Cincinnati, Ohio, to membership on the State Board of Examiners of Architects, for a five-year term effective October 3, 1958. This appointment was confirmed by the Senate on June 25, 1958, with 27 Yeas—Nays none.

This appointment restores in part the geographical distribution of the Board Members as established by the AIA Chapter areas, which has been followed for some time. It also brings to the Board a representative of an Eastern college, the Massachusetts Institute of Technology—the University of Michigan, Notre Dame, and the University of Virginia being currently represented by their graduates.

Mr. Schatz also attended the Ecole des Beaux Arts, Fontainebleau, France. He is an active member of the American Institute of Architects, Architects Society of Ohio, and holds the Council Certificate of the National Council of Architectural Registration Boards. He is currently registered in eight states other than Ohio.

Mr. Schatz succeeds Alfred A. Hahn of Toledo on the Board.



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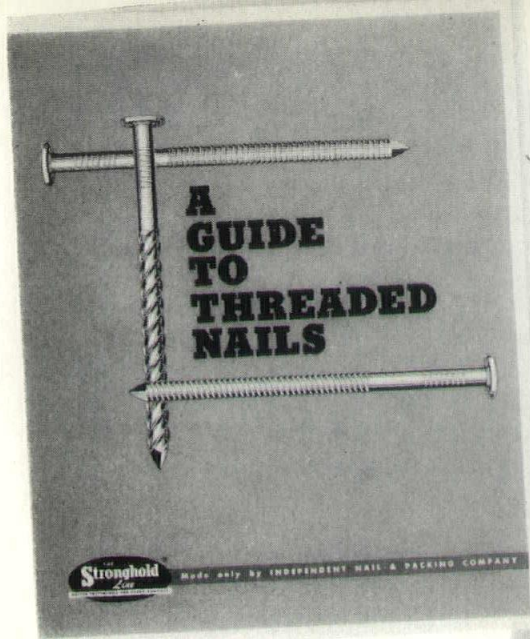
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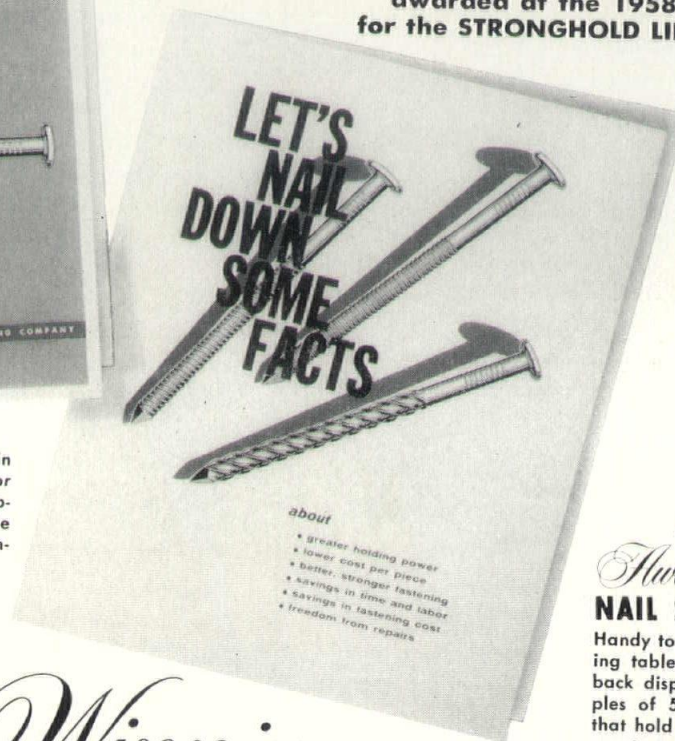
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## John N. Richards Honored

Architects and builders from Ohio gathered in Toledo on September 15 to help the local chapter of The American Institute of Architects honor John N. Richards, first Toledoan to be elected president of the Institute.

The occasion was a dinner meeting sponsored by the Toledo AIA chapter, at 6:30 p.m. in the Toledo Club and the principal speaker was Fred Hauserman of Cleveland, national president of Producers' Council and president of the E. F. Hauserman Co. Members of the local chapter of the Producers' Council were special guests.

Among those who participated were Mayor John W. Yager and Vice Mayor Ollie Czelusta of Toledo; Charles J. Marr, FAIA, New Philadelphia, and Clifford E. Sapp, Columbus, president and executive secretary respectively of the Architects Society of Ohio; Carl E. Bentz and Richard Larimer, both of Columbus and, respectively, architect and Director of Public Works for the State of Ohio.

Presidents of the other five chapters of the AIA in Ohio also attended.

Mr. Richards, elected president of the AIA in Cleveland in July, has been prominent in local, state and national activities. He has been president of the Toledo Junior Chamber of Commerce, Toledo Chapter, AIA, and the Great Lakes Regional Council, AIA.

Charles Scott, of the Toledo AIA Chapter, was in charge of arrangements and Toledo Chapter President Frank E. Poseler presided.

plan for permanence . . .

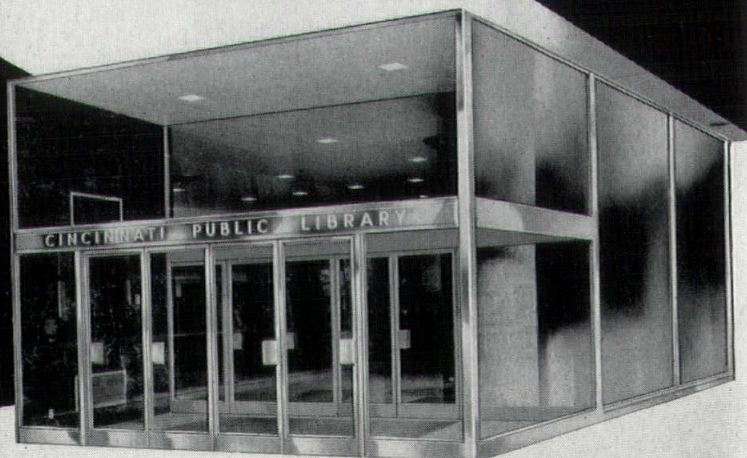
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John C. Bonebrake presents Guide Book to Cleveland architecture and a copy of OHIO ARCHITECT Magazine to visiting architects.

Two German architects and one Danish architect recently toured Cleveland.

Architects Georg R. Henneberger, Munich, Germany, Wilhelm Peiner, Krefeld, Germany and Frits Schelgel, Copenhagen, Denmark are taking an extended tour of the U.S. escorted by Dr. Gus W. Besserer of New York City.

The Cleveland Chapter, AIA, arranged a tour of downtown Cleveland buildings and suburban residences. The



Mr. Schelgel presents the Cleveland Chapter, AIA, with an interesting group of books on buildings he designed in Copenhagen.

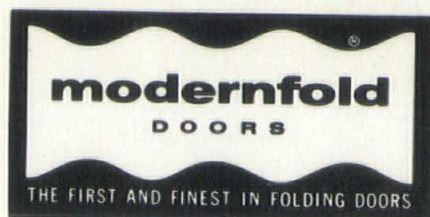
architects expressed amazement at the automatic built-in kitchens in relatively low-cost housing.

The close-knit organization of the American Institute of Architects and the Architects Society of Ohio interested them. They said further that in Europe it would not be possible for so many different technical organizations to be housed in one structure as is done at the new Cleveland Scientific and Engineering Center.

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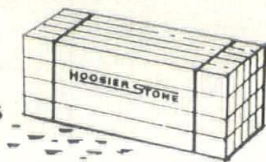


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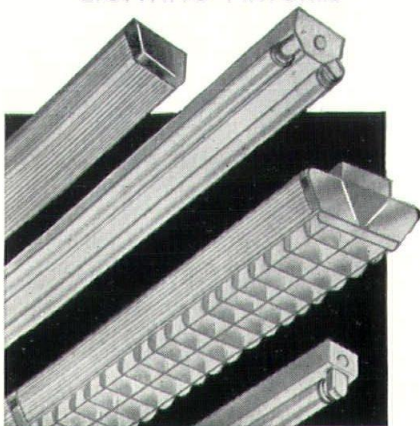
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Film Presented to  
75 Architectural Schools



Donald Mooney (right), Assistant to the Manager of Sales in the Cleveland office of the United States Steel Corp., presents a filmed history of modern curtain wall construction to Webster G. Simon (left), Dean of the Faculty of Arts and Sciences at Western Reserve University. George Edson Danforth, Chairman of the Department of Architecture, Western Reserve University, who narrates the film was also present.

The United States Steel Corporation is currently midway in presenting prints of a film on the history of modern curtain wall construction to 75 schools of architecture throughout the country. When the series of presentations is completed, shortly after the fall term begins in September, the film will be in the libraries of all members of the Association of Collegiate Schools of Architecture.

The film, which was originally prepared as a half-hour educational television program, tells the story of the development of curtain wall construction from its inception in 1883, through the "Chicago school of architecture," to its culmination today in the modern skyscraper. The film was created as part of a week-long promotion of modern architecture which was sponsored jointly late last year in Chicago by the Chicago Chapter of The American Institute of Architects and the United States Steel Corporation.

The promotion, known as "Chicago Dynamic," centered around six steel curtain wall buildings which were simultaneously under construction in the birthplace of the "Chicago school."

The film is narrated by George Edson Danforth, Chairman of the Department of Architecture at Western Reserve University in Cleveland, who served as special consultant on architecture to U. S. Steel during Chicago Dynamic.

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## News of Ohio Architects

The Chardon Board of Education recently selected two architects to handle 20 rooms of school construction if a \$418,000 bond issue is passed on the November ballot. Arthur F. Sidells of Warren will do an addition of 8 class rooms to the newly finished elementary school on Maple Street in Chardon and a four room addition to the science wing of the high school. Joseph A. Regner of Shaker Heights is to handle addition of seven or eight class rooms to the Munson School.

The City of Hamilton now has a school building program in progress totalling over 6 million dollars. Winkler, Ranck & Beeghly, Architects, are supervising construction of Garfield High School, which is being built at a cost of \$2,400,000 and Cleveland elementary School with construction costs at \$640,000. The firm of Hair, Siegel and Steed is directing the construction of Taft High School and Monroe and Hayes Elementary Schools. Anticipated cost of the Taft school is \$2,400,000; Monroe, \$440,000; and Hayes, \$420,000.

Stark County Commissioners have approved a contract with 3 Canton architects covering plans for a new Court House and County Jail. The contract was made with Charles Firestone, Harry Frank and Lawrence Motter. There have been no estimates of costs, design or location of any of the proposed buildings to date.

Architects Freshwater and Harrison, Columbus, have been selected to draw plans and specifications for the new Portsmouth Army Reserve Training Center. Cost of the center is estimated at \$289,000. The building will contain a maintenance shop and combination drill floor, auditorium-gym.

Dedication ceremonies were held recently at the \$100,000 Sisters' Convent of St. Mel Church in Cleveland. Cleveland architect Rolland Johns designed the convent which has quarters for 13 nuns of the Sisters of Charity of Cincinnati.

Milford architect Robert G. Steinkamp had the honor of opening the first savings account in the new building constructed for the First Milford Savings Association which he designed.

Construction has been started on a new office building at 1845 Collingwood Blvd. in Toledo for Kuhlman Builders Supply & Brick Co. The firm will leave its present quarters at 914 Summit Street about May 1, expected completion date of the new office. Bellman, Gillett & Richards, Architects and Engineers, designed the one-story structure.

## Blue Print Price War In Cincinnati

The facts of this chaotic price war, going on since the latter part of January of this year should be made known.

Two years ago a new company started up and used a new method of billing. In some cases prices were lower (quantity) but in smaller jobs the cost was more, due to a delivery charge which had never been made in the past 56 years.

However, the new company prospered, and the older companies became

jittery—to such an extent that one of them overnight cut the price 43%. This was bad enough, but then others cut it still more.

Customers are getting work at cost in many cases, and it is just a matter of how long some of the older companies can continue.

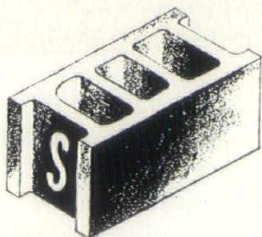
Should some of the old reliable companies disappear, the customer will then be faced with a substantial price increase from the survivors, as the present prices cannot be maintained indefinitely. Something must give. Prices were not out of line when cost of labor, materials and delivery costs etc. are studied. Most people realize this, but the low prices now being given make them doubt the verity of prices before the price war began. They are mostly fair minded, since they know their own costs have increased greatly in the past five years. Prices are now **BELOW** prices of six years ago. What the solution is, no one seems to know. It is a very serious situation, just when things are improving economically and should need the blue printers of Cincinnati to keep reproduction work rolling.

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Booth #53

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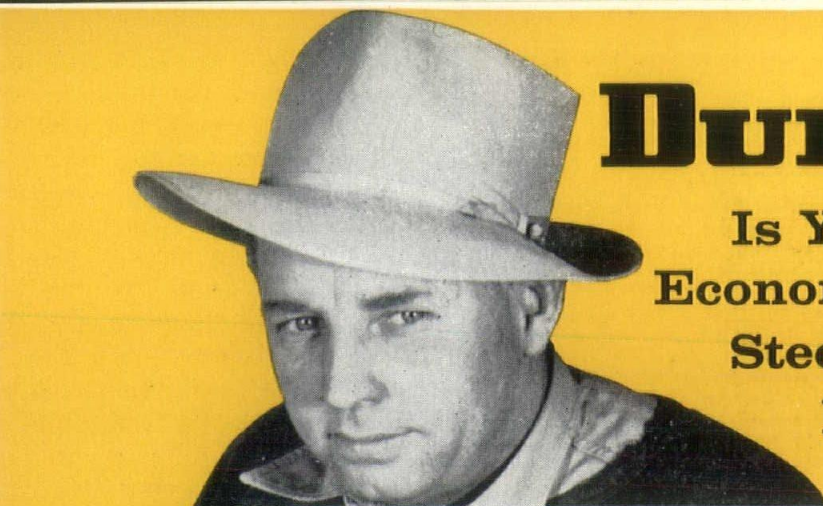
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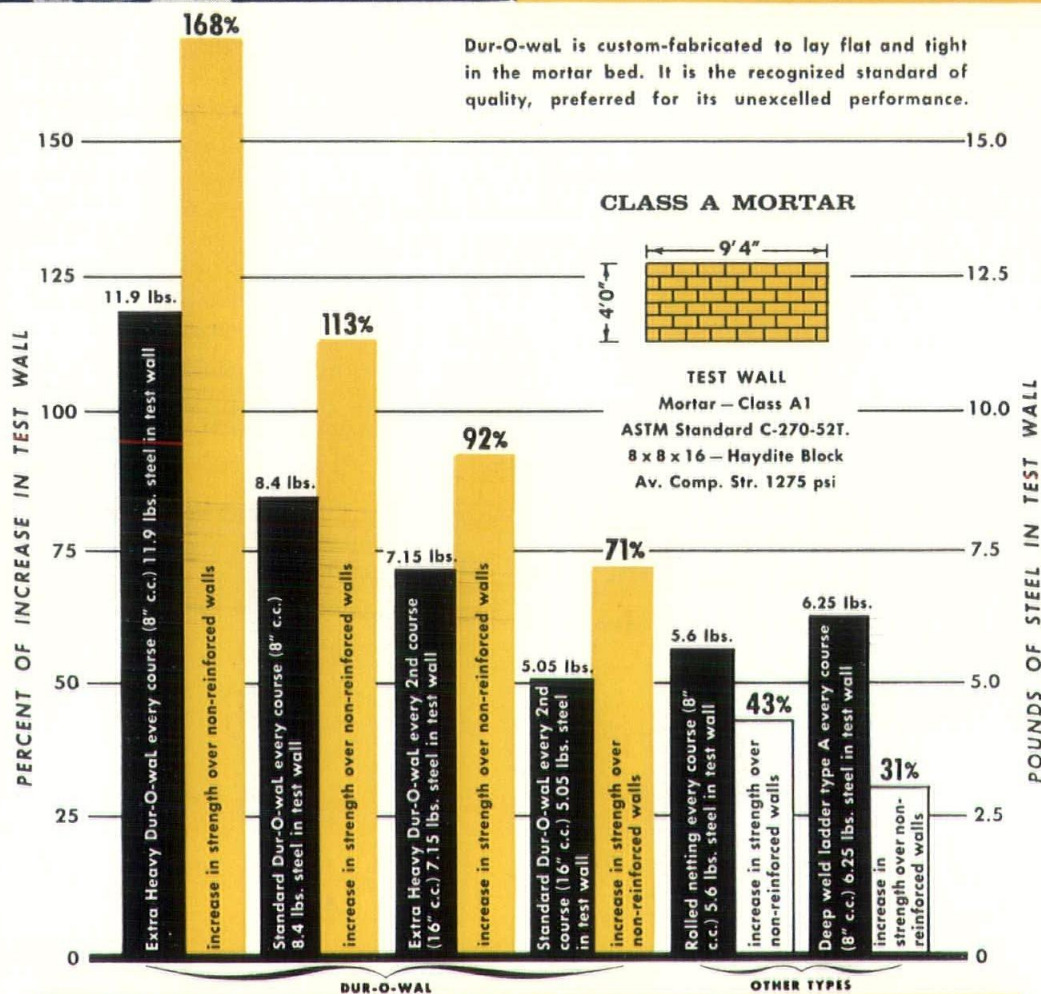




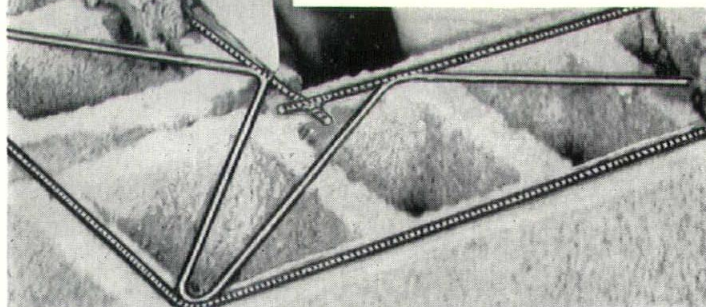
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Tests Conducted by Toledo University Research Foundation

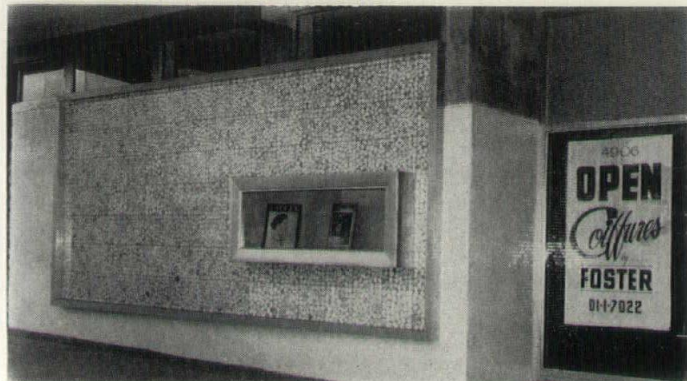
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## New Marble Product Available to Architects



With the advent of automatic machinery developed by Italian engineers and technicians with centuries of experience in the marble tile industry behind them, it is now possible to produce in Cleveland a tile of very high quality and aesthetic value.

The basic process used for the manufacture of this tile is the incorporation of white cement, granulated marble, and oxide colorings to produce any degree of color desired in the matrix which binds together high quality domestic and imported marbles.

The unusually high compressive strength of Boiardi Tiles is brought about in the manufacturing process. The matrix when wet is vibrated and a structural backing applied under pressure. After the tile is compressed it is extruded from the machine and allowed to cure for a period

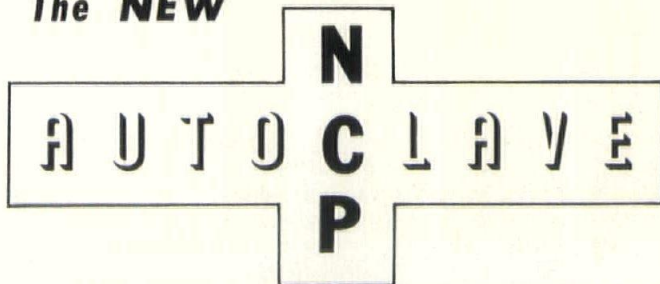
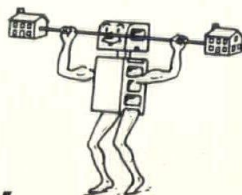
of five days under sprays of water. After this curing process has taken place the surface of the tile is ground to the desired finish either smooth or polished. Laboratory tests show a flexural strength of 3000 pounds per square inch, and its tensile strength and wear resistance is unsurpassed by any type of flooring material of similar nature.

Marbleart Corporation is currently manufacturing Boiardi Tiles in four sizes: 8x8, 12x12, 16x16, 20x20, in six basic patterns known as ITALIAN which utilizes slab marble in pieces approximately three inches square in area and results in a 90% true marble surface—ROMAN, a tile created of large marble chips with a surface area of four to six inches—DIANA encompassing the use of terrazzo size chips with a scattering of walnut chips—EGG TILE using egg shaped aggregate achieving a spheroid effect—MARMO which is a terrazzo effect and MARCON which through a patented process using color only produces a marble effect.

With Boiardi Tile is is easy for a designer to visualize a floor or other installation before it is installed. The tile can be laid in a conventional manner except joints should be butted. It should be noted that the tile are manufactured with very close length and breadth tolerances, and sharp arrises are maintained which simplifies setting, almost automatically insuring a level floor. After the floor is laid any openings which occur between tile can be filled by pouring a cement slurry over the floor, colored if necessary to match the color of the marble. This slurry can

*(Continued on next Page)*

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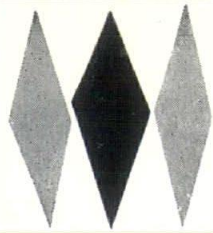
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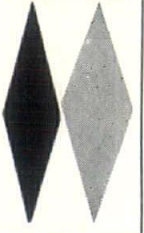




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*(Continued from preceding Page)*

then be worked into the openings with a squeegee.

Through its own quarries and other marble sources, Boiardi Tile will be available not only in standard patterns but may be developed and produced to give special creative effects. No waxes or polishes are necessary to maintain its brilliance and appearance, clear water does the work, eliminating the problem of maintainance.

Marbleart is a new product to the American market but has been tried and proven very successful in Europe. Mr. Mario Boiardi, President of Marbleart, Inc., has obtained a franchise to the use of the necessary patented machinery from the Longinotti Company of Italy and is planning distributorship throughout the United States.

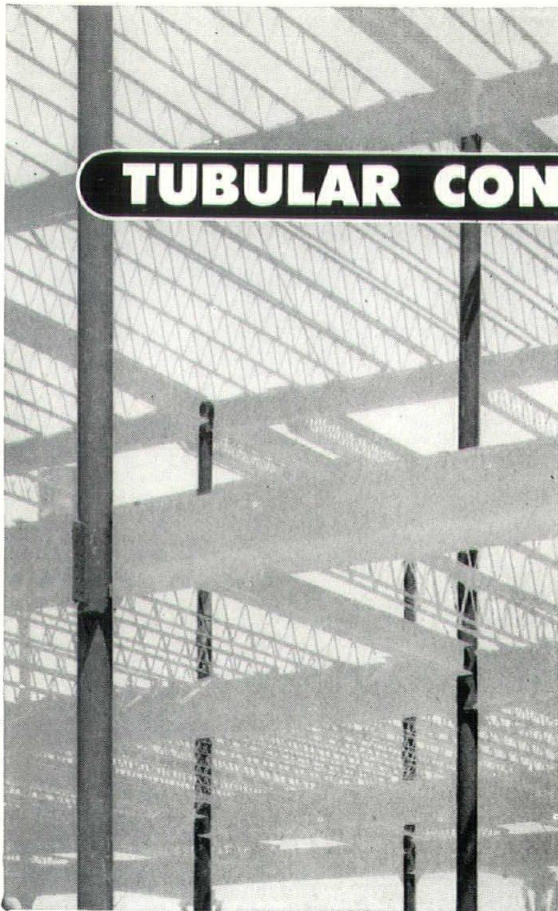
Marbleart samples and information about various designs available in the four sizes may be obtained by writing T. E. McCarthy of Marbleart, Inc., 1525 Fairfield Road, Cleveland, Ohio or phoning TOWER 1-8130. Architects attending the ASO Convention in Cincinnati will want to see the Marbleart exhibit in Booth No. 25.

## RAPIDEX CONCRETE SLAB SYSTEM

Recently introduced in the Ohio area is a concrete slab system called Rapidex which is said to provide a number of advantages over other pre-cast systems. Designed for both floors and roofs, Rapidex consists of Portland cement and expanded shale blocks, preassembled into long-span slabs and reinforced with steel rods. Slabs are delivered to the building site in the exact length specified.

Because shoring, forming and curing delays are eliminated, Rapidex can be laid at the rate of 3,500 sq. ft. per day. Its cellular structure makes Rapidex an excellent acoustical and insulating material, as well as providing a favorable strength-to-weight ratio.

Rapidex can be used in all types of commercial, industrial and institutional construction. Its handsome textured surface eliminates the need for suspended ceilings. For full details about the Rapidex slab system for roofs and floors, write Rapidex Division of Spickelmeier Industries, Inc., 1100 East 52nd St., Indianapolis, Indiana.



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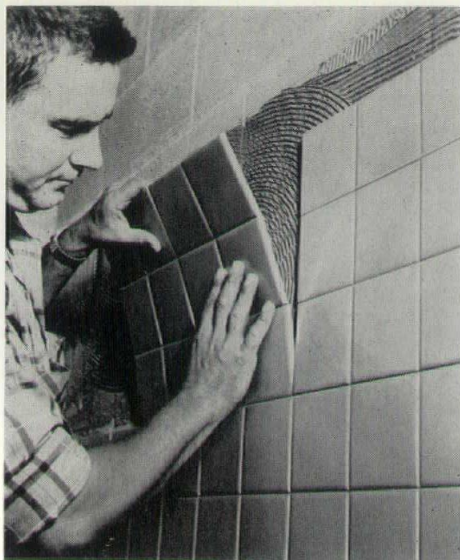
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## Cambridge Setfast Ceramics



Through improvements in installation methods, materials and the artistic development of a wide range of ceramic mosaic designs, the ceramic tile industry has done much to pioneer the re-birth and diversified use of tile for many new areas both exterior and interior.

The Cambridge Tile Mfg. Co., in keeping with this trend, introduced Suntile ceramic mosaic designs by Max Spivak, AIA, Gold Medal award winner. The success of these modular IxI patterns was the forerunner of many new developments throughout the industry.

With the necessity of reducing installation time and other time-saving methods in the installation of ceramic tile, a revolutionary web type of backing with pre-mounted tiles was presented to architects. Called Setfast, these sheets of pre-aligned and mechanically mounted tiles serve a duo-function: 1) provide a superior bond between tile and mortar bed 2) allow for numerous on-the-job labor saving devices. Setfast is obtained in practically all Suntile ceramic mosaic patterns and the various glaze units— $4\frac{1}{4} \times 4\frac{1}{4}$ ,  $6 \times 4\frac{1}{4}$ ,  $8\frac{1}{2} \times 4\frac{1}{4}$ .

The Cambridge Tile Mfg. Co. will present for the first time to Ohio Architects at their October meeting at the Sheraton-Gibson — "Horizon Tile." These small ceramic mosaics will be irregular in shape, in texture and cover the spectrum in colors.

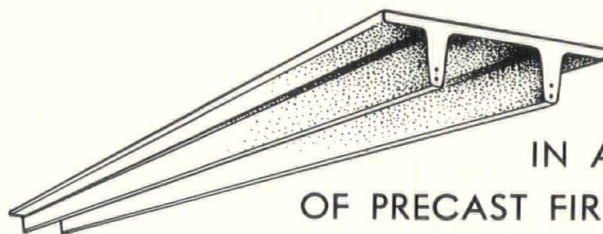
## Ramco Work Displayed

The Reliance Art Metal Company, manufacturers of special quality architectural metal work for monumental and other types of public, industrial and commercial buildings invite inspection of the following new structures in and near Cincinnati: Our Lord Christ the King Church, Mt. Lookout, Edw. J. Schulte—Architect; Seton High School, Glenway and Beech Avenues, Cincinnati, Maguolo & Quick—Architects; Ohav Shalom Synagog, 1834 Section, Leavitt Associates—Architects;

Miami University Natatorium and Student Center, Miami University, Oxford, Cellarius & Hilmer—Architects; Princeton High School, Sharonville, Potter-Tyler-Martin & Roth—Architects; 9th District School, Indiana & 28th Streets, Covington, Kentucky, Potter-Tyler-Martin & Roth—Architects; and Walter C. Beckjord Power Station, New Richmond, Sargent & Lundy—Architects.

Visit Booth 46 at the ASO Convention in Cincinnati and see sample fabrications showing the thorough workmanship and long lasting quality built into RAMCO products.

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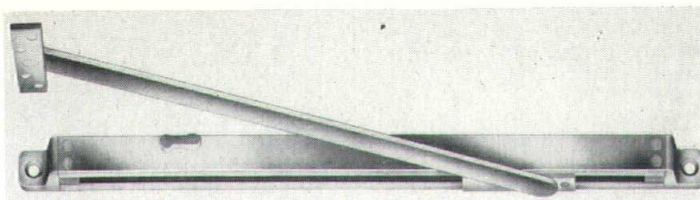
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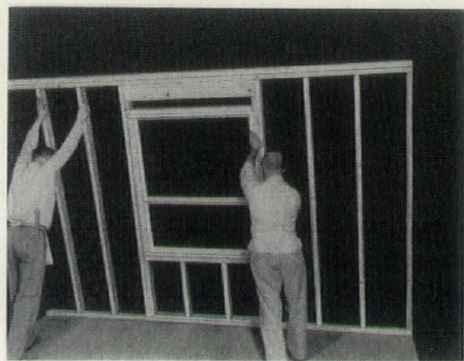
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## NEW ANDERSON STRUTWALL



A new wall component in which factory installation joins a complete window unit with wall framing members has been announced by Andersen Corporation, Bayport, Minnesota. It is called the Andersen Strutwall, and fits any type of frame construction.

The new component represents the best joining of wall and window yet available in the market, according to Andersen officials. It also makes possible substantial savings in labor and materials in any type of frame construction by eliminating two-thirds of the steps involved in framing a conventional rough opening and installing a window unit.

The Strutwall consists of an Andersen Window Unit (or exterior door frame) which is actually glued and nailed to two load-bearing struts and to nailers at the head and sill. The gluing adds great strength and considerable resistance to racking.

A jack stud assembly completes the component, furnishing all of the nailing members needed in the lower wall.

Installation is rapid. Only two cuts are required to adjust height of the two load-bearing struts to the particular type of construction used at the head. Then the Strutwall can be joined with adjacent studs and tilted up with the rest of the wall frame.

In mullions and larger multiples, the new Andersen Strutwall units are simply butted against each other. This provides structural support at 4' intervals so that nothing heavier than two 2 x 6 headers is ever required.

Andersen manufactures seven sizes of Strutwalls and two sizes of Structural Door Frames. All but one of the window components are 48" wide. The other is 32" wide, so that all will fit

with a 16" stud rhythm in both single and multiple installations. Windows included in the component are Andersen Beauty-Lines in four heights from 3" to 6' and 22" and 30" Andersen Flexi-vents.

In appearance the new Andersen Strutwall presents the same narrow lines and clean detail that have made the Andersen Beauty-Line a highly popular window. The window includes a new design of outside casing and simplifies interior trimming-out for either plaster or dry wall.

Complete information, including details, may be obtained by writing Andersen Corporation, Bayport, Minnesota.

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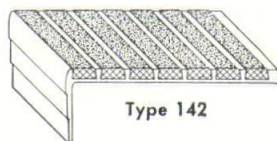
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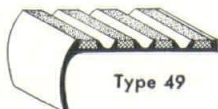


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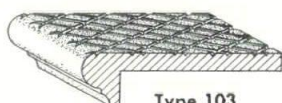


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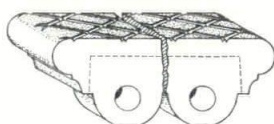


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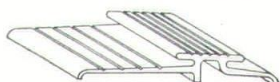


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Shown are just a few typical examples. Portfolios of detail plates are available upon request. Our engineering department will cooperate in recommendations and specifications.

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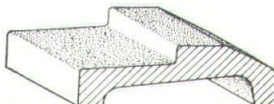


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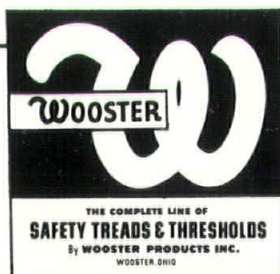
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Eligibility for membership requires not less than five years experience in the preparation of hardware specifications and the detailing and servicing of contract builders' hardware and the ability to pass a rigid written examination.

Of the total of over 700 members in the United States, Hawaiian Islands and Canada, forty of these are actively engaged in the builders' hardware industry in the state of Ohio.

A member of the American Society of Architectural Hardware Consultants, known in the industry as Architectural Hardware Consultants, or A.H.C.'s, are the only ones entitled to wear or display this emblem which is a registered trademark and is the accepted symbol of experience, knowledge, ability and integrity in the builders' hardware industry.



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## Carey Introduces New Fire Chex Roofing Shingle

The new, improved Fire-Chex '325 roofing shingle, which will have its first national showing at the Silver Jubilee Convention of the Architects Society of Ohio, October 22-24, has been designed as a result of The Philip Carey Mfg. Company's survey of leading architects in all sections of the country.

Fire-Chex '325 combines the safety of Class "A" U. L. rating, the additional protection of Sta-Seal adhesive, totally new tab dimensions and eleven new "Forecast" colors.

The new Fire-Chex '325 shingle has two tabs instead of three, each tab measuring 18" wide with 5" exposure. The entire shingle measures 12" x 36" and weighs 325 pounds to the square.

Eleven colors, scientifically selected for the Fire-Chex '325 line, "forecast" the trend in the building industry toward exterior color coordination. Complementing the new tab size and new colors is the Style-Line Shadow, which gives the impression of unusual depth and thickness of the shingles as they appear on the finished roof, resulting in a more pronounced roof texture.

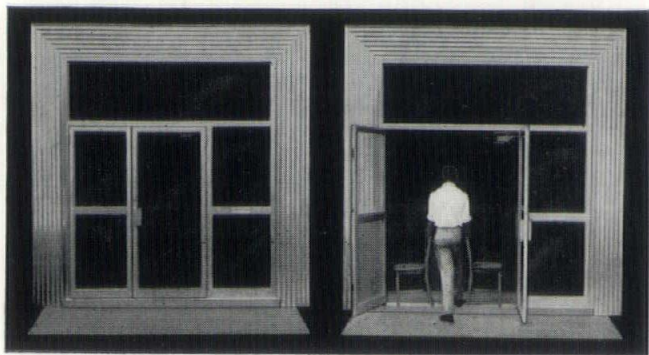
Sta-Seal adhesive, a special pressure-sensitive material developed through Carey research, is factory-applied in a wide band and then covered with a protective tape. When the tape is removed, the tacky consistency of the adhesive engages the next course of shingles immediately and permanently, even at low temperatures, without any reliance on the heat of the sun for sealing.

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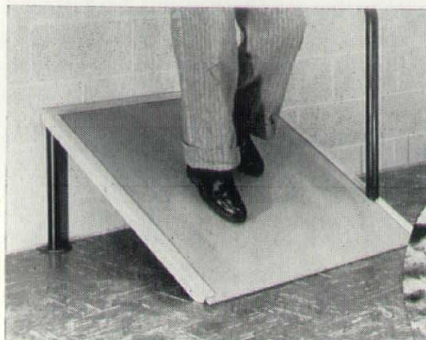
● It's a door and a swinging side-lite; it's a functional side-lite with a door... however you choose to look at it, you're looking at utility and savings in Desco's new SWide-Lite construction.

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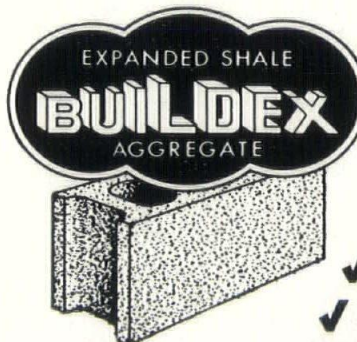
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## Arketex To Exhibit Ceramic Tile Line

Arketex Ceramic Corporation of Brazil, Indiana will exhibit its products in Booth Number 34 at the ASO's Silver Jubilee Convention and Materials Exhibit in Cincinnati, October 22-24.

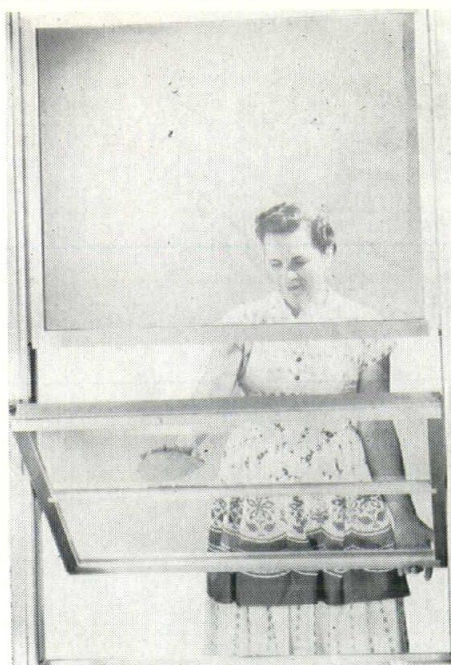
Arketex manufactures a complete line of Ceramic Glazed Structural Tile in all standard series which is available in a Selection of 48 colors. The range of rainbow hues covers every size and shape in the Arketex line.

Ceramic glazed structural tile is well known for economy of maintenance and economy of installation, as the structural and finish wall is combined in one unit.

Design features of Arketex tile include high fire-resistance, strength, imperviousness, chemical resistance and others. These features give the designer a wide range of reasons for specifying Arketex Ceramic Glazed Structural Tile.

For complete information see the Arketex exhibit at the Jubilee Convention or write Arketex, Brazil, Indiana.

## Aluminum Window Available



The Williams Pivot Sash Company of Cleveland has developed and now manufactures a double hung aluminum, reversible window.

The aluminum window incorporates the Williams pivot fixtures which have been in satisfactory operation in wood-

en windows for over fifty years. The same economy, safety and convenience of cleaning the window from the inside at floor level traditionally available in the wood window is now marketed in an aluminum window.

The window will be made to the size desired by the architect, up to a reasonable limit.

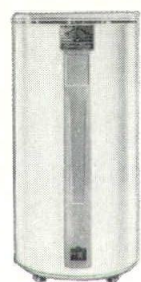
The aluminum sections are heavy and all joinery is by mechanical means. The weatherstripping is of mohair, all easily removable and applied in a manner which assures a very weather tight window.

By merely removing four screws either sash can be removed from the window in case replacement of balances or repairs to the sash is needed.

For complete details and specifications available to the architect, write to K. A. Domino, the Williams Pivot Sash Company, 1827 East 37th Street, Cleveland 14, Ohio.

## Custom Hollow Metal Mfr. Inaugurates "Standardline"

Superior Fireproof Door & Sash Co., Inc. has incorporated an affiliate di-



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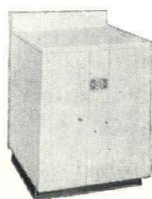
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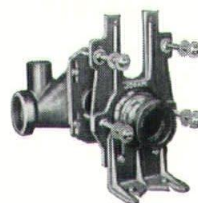
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vision, the Superior Standardline Corp., to produce a *pre-engineered* line of hollow metal doors, frames, unit entrances, side-lights and borrowed light partitions. Delays inherent in designing, engineering and manufacturing of custom hollow metal will be eliminated. The new line, to be marketed under the trade name "Superior Standardline," retains all the quality features for which Superior custom hollow metal products are so well known . . . flush construction, invisible seams, heavy gauge metal, precision manufacturing.

*Significant time-saving* will be possible with the use of Superior Standardline pre-engineered hollow metal units. In addition to prompt delivery, they are quickly and easily installed. A patented, interlocking clip fastens all units together and permits continuous walls, incorporating "T," "L" or "X" corners, to be speedily erected using only a screwdriver.

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*Superior Standardline doors and frames can be ordered without hardware.* Superior Standardline recognizes the advantages of local hardware service . . . "on-the-job" design consultation, "off-the-shelf" delivery speed, immediate attention to necessary maintenance . . . and suggests that hardware orders be placed with local suppliers. However, complete packages (doors, frames and hardware) are available and can be ordered from Superior Standardline if desired. The units are factory cut for locks manufactured to meet Government Lock Specification Series No. 161. In addition, any surface mounted hardware items can be used.

For further information contact: Mr. Irving Oxman, Superior Standardline Corp., 4175 Park Avenue, New York 57, New York.

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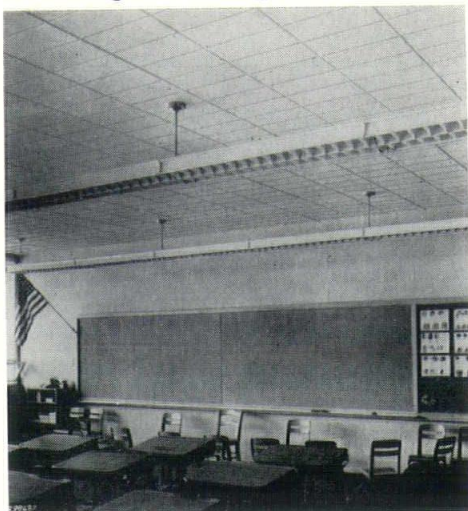
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## Rapidex Features New Four-Edge Beveling



Rapidex, the pre-cast concrete slab system for floors and roofs, is now available with four-edge beveling on each block. According to the manufacturer, this design feature is exclusive with Rapidex among pre-cast systems.

Each block is beveled on all four sides to form an attractive grid pattern when slabs are assembled into a structural deck. Four-edge beveling, together

with the rich, uniform texture of Rapidex, makes for a handsome surface that eliminates the need for suspended ceilings. Rapidex is also available with two-sided bevels running the length of each slab.

Because slabs are assembled at the factory in the exact length specified, Rapidex floors and roofs require no shoring or forming. They are ready for immediate installation at the building site regardless of weather conditions.

Rapidex is a product of the Rapidex Division of Spickelmier Industries, 1100 East 52nd Street, Indianapolis, Ind. Twenty-page brochure available on request.

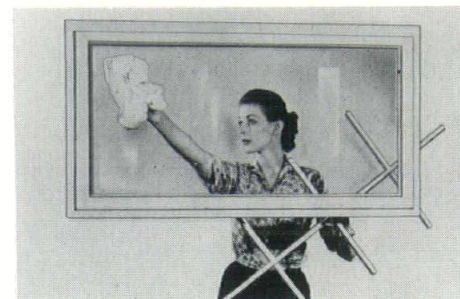
## Claycraft Introduces New Ceramic Glaze Colors

The Claycraft Company of Columbus has announced the addition of 12 new ceramic glaze colors to its standard line, which means that 30 Claycraft colors are now available to the public. These new colors include yellow-gold, sage, corallin, lime, pink and others, plus a new Vitri-Granite color. Many are entirely new to the Indus-

try and have been developed after months of intensive research.

Of particular note is the fact that all 30 colors are available at regular standard field prices; there is no longer need for concern with trim prices for some colors and field prices for others. Not only will this give a much broader selection than ever before, but it will simplify color selection.

## Removable Muntin Bars On Pella Windows



Muntin bars that snap in and out of the sash to increase window design possibilities and reduce maintenance chores are now available on all Pella Windows according to the manufacturer, Rolscreen Company, Pella, Iowa.

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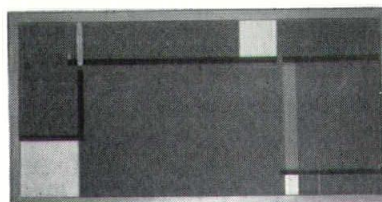
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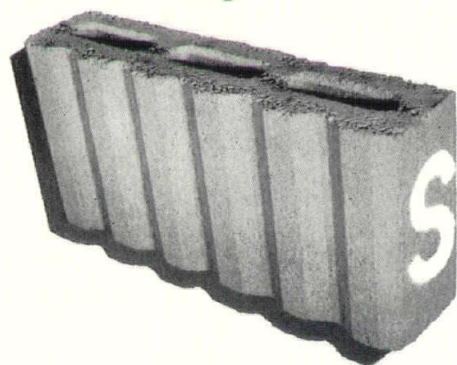
Lincoln Bldg. PProspect 1-2897 Cleveland, O.



one of three styles of removable muntin bars securely in place. Without changing window size or plan, the company reports a single pane window can be given the modern look with a horizontal muntin . . . the colonial look with a multi-light muntin arrangement . . . or the traditional appearance of a diamond pattern.

Milled from clear western pine and steel-dowelled at intersections, removable muntin bars remain rigid even when withdrawn frequently to speed window cleaning according to the manufacturer. This new *Pella* feature makes painting easier, too — when the house is being built, and at every repainting.

### Cinder Products Announces New Block Design



Flair . . . a new fluted design-face lightweight Straub Block is now available for creative architects and builders.

Flair may be combined with other Straub Lightweight Block for dramatic decorative emphasis. Entire walls of Flair beautify interiors or exteriors, giving an interesting play of light and shadow.

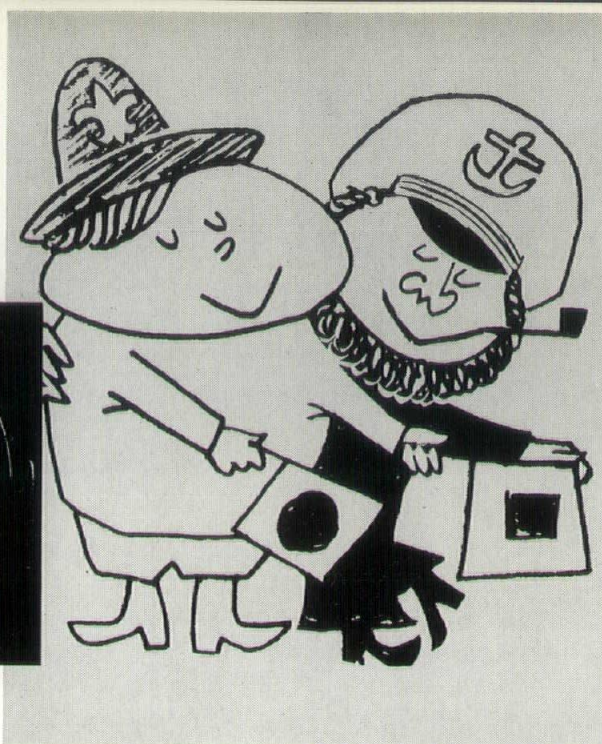
The face of this block is composed of a series of truncated triangles, giving a fluted appearance similar to that of classic columns. Block-ends are chamfered so that the 3/8" mortar joint corresponds to the 3/8" spaces between the raised portions of the face. This design feature effects a continuous pattern when the Flair Blocks are laid in running bond.

Flair design-face lightweight block is manufactured exclusively by Cinder Products, Inc., also manufacturers of Shadowal, Hilite and other Straub Lightweight Blocks. For complete details: write Cinder Products, Inc., Este Ave., Cincinnati 16, Ohio.

OCTOBER, 1958



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## Dupont Plaza Selects McKinley Sun Cornice

The beautiful new Dupont Plaza Center in Miami, Florida, features the finest and newest in architectural design, construction and materials. The designers of this structure chose Ventilated Sun Cornices by McKinley to protect against glare and heat from the sun, and to accentuate its trim architectural lines.

Twenty-five hundred feet of McKinley Sun Cornice, with a projection of two feet, were planned into this Center. Their design is such that ample light and air are permitted to pass through, while glare and heat are efficiently reflected. McKinley Ventilated Sun Cornices are fabricated of T6 temper, Alloy 6063 extruded aluminum sections with stainless steel and cadmium plated steel hardware. Their finish is a beautiful soft satin, protected by a heavy coating of CH68 butyrate lacquer.

All McKinley Sun Control Products are guaranteed to be manufactured in strict accordance with approved plans, and to the entire satisfaction of both customer and architect. McKinley Sun Shades feature unique horizontal styling, which blends into and accentuates natural architectural lines.

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For complete details on McKinley Sun Control Products, write to: Donald D. LeClare, Vice President, O. O. McKinley Co., Inc., 4531 N. Keystone Ave., Indianapolis 5, Indiana.

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Complete information and prices available from The Sands Manufacturing Company, 5416 Sweeney Avenue, Cleveland 27, Ohio.

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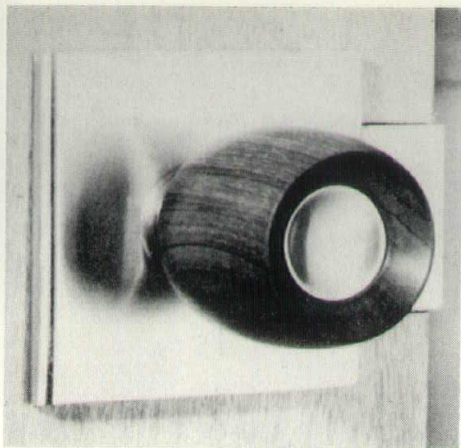
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## New Russwin Unilocs Feature Wood Knobs



Rare and exotic woods are featured on decorative new Unilocs introduced by Russell & Erwin, New Britain, Conn.

Use of ebony, cocobolo, rosewood and walnut gives the new Unilocs a variety of shades for all office interiors. Distinctive decorative doorware is becoming a more important factor in office planning and the new knobs are designed to be in keeping with all modern interiors.

Russwin's Uniloc features fast and easy installation; the rugged one-piece extruded brass frame provides a superior chassis. A minimum number of springs are used contributing to simplicity and years of trouble-free durability.

Russwin Unilocs are available from Russell & Erwin, New Britain, Conn. and will be featured in the Russwin display at the ASO Convention in Cincinnati, October 22-4.

## "Porcelining" File Folder and Specifications Available

The last fifteen years has seen rapid growth in the tank lining business. Various materials which include paints, cement combinations, plastics and ceramics have been developed, all aimed at preservation of steel hot and cold water storage tanks.

In this field, The Porceline Company of Cleveland (exclusive Ohio Installers and Distributors of "Porcelining") report a decided increase in installations in the new construction field. Whereas their business was originally 80% re-

storation of already deteriorated tanks, it has now shifted to approximately 60% new tank installations and 40% restoration of old tanks.

Porcelining is a ceramic tank lining which bonds to steel with approximately the same coefficient of expansion and contraction as steel. It is the only tank lining which is installed exclusively in the field, eliminating all danger of damage in shipment. Work is performed on the job site by factory trained workmen.

A file folder and specifications for "Porcelining" is available for mailing and may be secured by request from The Porceline Company, 6408 Euclid Avenue, Cleveland 3, Ohio.

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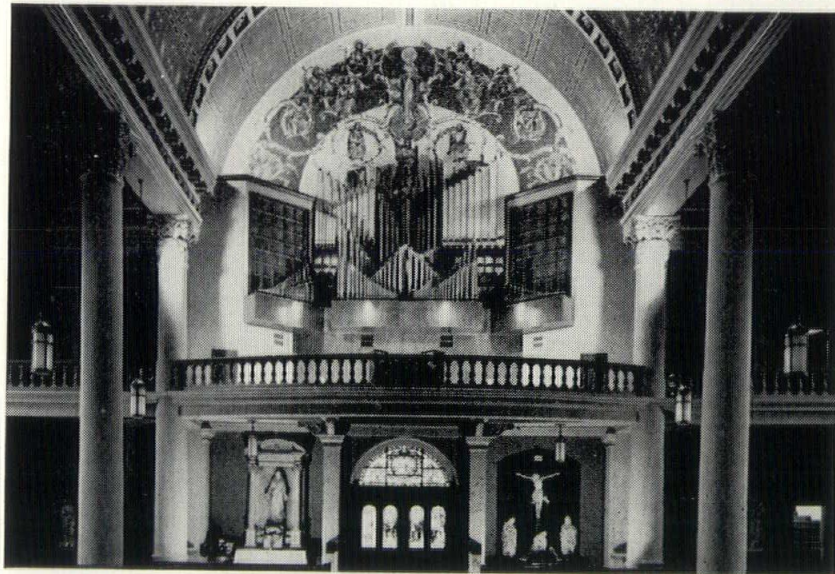
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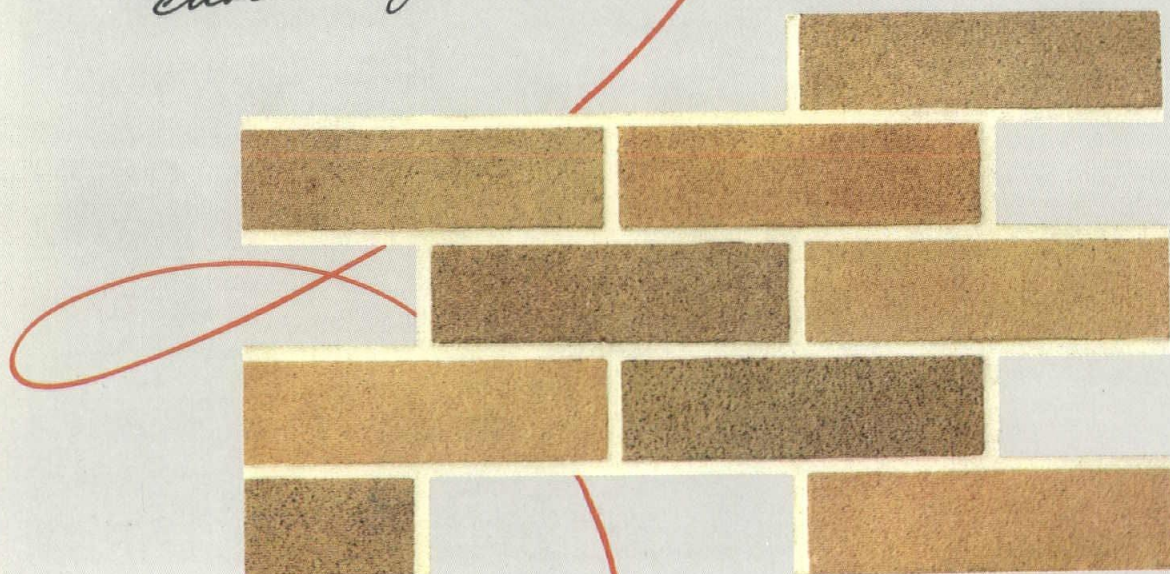
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**ALSYNITE OFFERS BROCHURE**

A new 4-page brochure, which describes and pictures each step in installing Alsynite Flat Panes in steel or aluminum sash, is available from Alsynite Company of America, 4654 De Soto Street, San Diego 9, California.

Leaflet FP-4 outlines the advantages of using shatterproof Alsynite for glazing, such as better illumination, built-in colors and ease of installation. Included also are architectural specifications and light and heat transmission percentages for the five available colors: Amber, Clear, Cool Aqua, Lite Blue and Lite Green.

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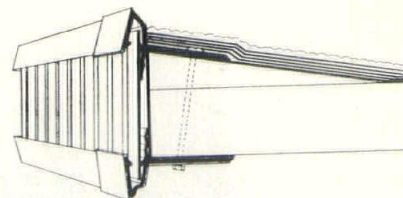
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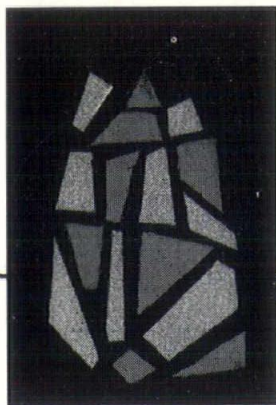
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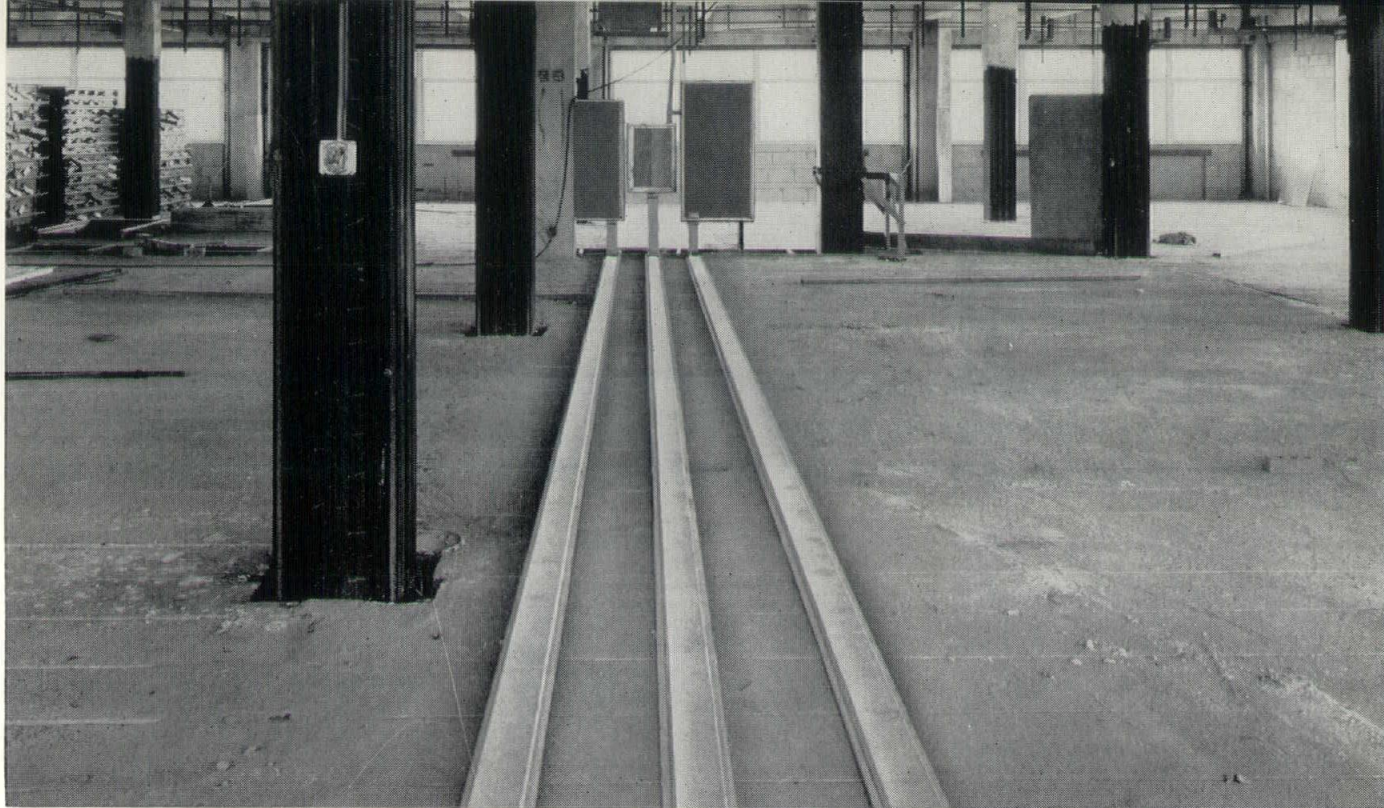
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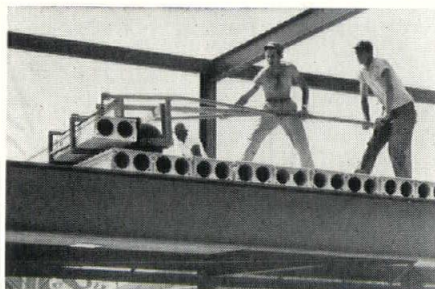
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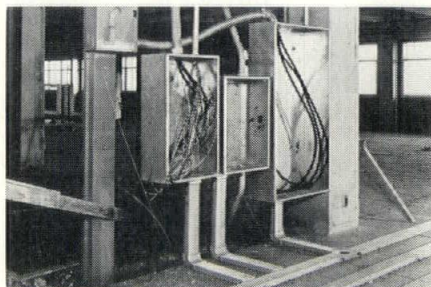




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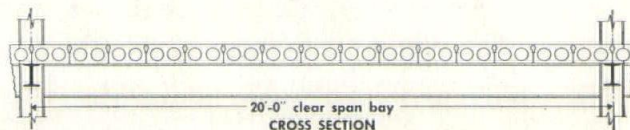
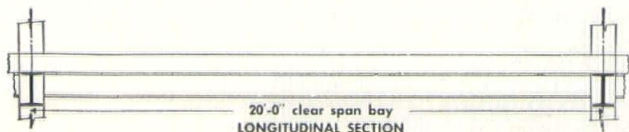
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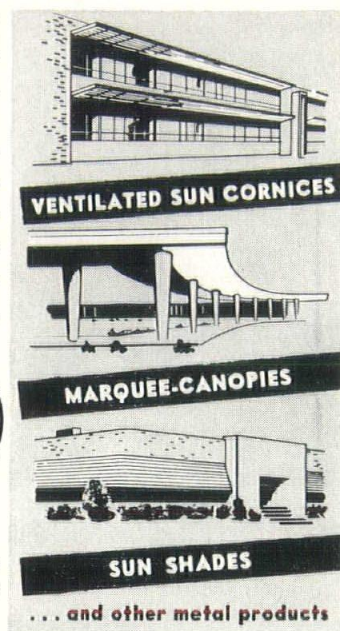


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