PROGRAM
25th ANNUAL CONVENTION & MATERIALS EXHIBIT

OCTOBER 1958

OHIO ARCHITECT
OFFICIAL PUBLICATION OF THE ARCHITECTS SOCIETY OF OHIO OF THE AMERICAN INSTITUTE OF ARCHITECTS
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The place is Spain.

The event is the annual poetry competition.

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.

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Photo by Jack Sterling
pre-engineered doors, frames, unit entrances, borrowed light and sidelight partitions

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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.

OCTOBER, 1958

CONTENTS

FEATURES

A Tour of Four Cincinnati Residences ............ 8
Ohio University’s New Dormitories .............. 14
Main Federal Remodeling ......................... 22
Wood and Ingenuity .............................. 27

AIA AND ASO NEWS

ASO Silver Jubilee Convention Highlights ....... 18
Convention Program .............................. 20
Convention Prizes to be Awarded ................ 30
ASO Materials Exhibit ......................... 32
Advertisers in Ohio Architect .................. 38

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A Tour of Four Cincinnati Residents

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

Ground floor plan of Richfield Residence
Floor plan of Rowe Residence

Snowden Rowe Residence
Architects: Pansiera & Dohme
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.
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 variegated 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.
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Silver Jubilee Convention

Architects Society of Ohio
of the
American Institute of Architects

October 22, 23, 24
1958

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 second 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 Plidner from the Atomic Energy Commission will speak on “Architecture in an Atomic Age” at the Annual Banquet on Friday evening.

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.

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.

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. Dombar 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

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. Morr, presiding
8:30—9:30 A.M.
View Product Exhibits Roof Garden
9:30—11:00 A.M.
ASO Business Session Parlor B
Charles J. Morr, presiding
10:30—11:00 A.M.
Great Lakes Region, AIA Report Parlor B
Bergman E. Letelier, 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
Herman S. Broderick, 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 Low—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. Kempson, 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. Morr, 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

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

MORNING
8:00—9:00 A.M.
Exhibitors Breakfast Sheraton Room
Herman S. Broderick, 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. Morr, 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
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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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OCTOBER, 1958
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 principal 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
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Dept. T-B, Glenmont, Ohio

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.

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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The 1958 CHEMCLAD Door is equipped with anodized aluminum molding for the installation of glass or louvers. If so specified, Bourne Manufacturing Company will furnish and install the louvers at the factory.

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CHEMCLAD Doors are available with laminate faces incorporating silhouettes. They are seamless and are an integral part of the laminate face. Seamless dark brown scuffplates extending the full width of the door to any height required may also be specified.

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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, 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 canning, 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.

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 make-shifts 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.
Thirty-thousand square feet of CLIMATE COMFORT with the MODERN ELECTRIC HEAT PUMP

This is the attractive main-level entrance to the new all-electric Park National Bank of Newark, Ohio. Bank’s three levels total 30,000 square feet, climate controlled year 'round with heating and cooling by two fully-automatic electric heat pumps. Air is filtered clean electronically.

Park National's first summer was a tough test—humid with rapid temperature variations. "Heat Pumps performed perfectly," says Everett D. Reese, bank’s board chairman.

Gleaming auditorium, for employee training and special civic meetings, is typical of clean design and high-level illumination.

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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 fabric 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. Industrial Design and Crafts Exhibit at the Brussels World Fair.

The Architectural Area And Volume of Buildings
(As stated in Document No. D-101, formerly 239, 1953 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 Chief"! — Reprinted from the Southern California Chapter, AIA, Bulletin.

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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.

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"Andersen Windows add warmth, beauty, comfort..." says superintendent of schools

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."

Andersen Flexivent and Flexiview Windows adapt perfectly to the low lines of modern buildings. They're remarkably easy to install. Exceptionally trouble free. Pentatreating of sash and frame assures permanent protection against termites and decay. Flexivent's versatility in stacks, ribbons, groupings or with fixed sash permits use in any fenestration plan.

For more information on Andersen Windows, call jobbers below, see your Sweet's Architectural Files or write for Detail Catalog or Tracing Detail File to: Andersen Corporation, Bayport, Minnesota.
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.

| Booth No. 3 | Cambridge Tile Mfg. Co. | Cincinnati 15, Ohio |
| Booth No. 4 | Ohio State Lathing & Plastering Contractors Ass'n., Inc. |
| Booth No. 5 | General Dredging Co., Inc. | Ft. Wayne, Ind. |
| Booth No. 6 | The Philip Carey Mfg. Co. | Cincinnati 15, Ohio |
| Booth No. 7 | The Williams Pivot Sash Co. | Cleveland 14, Ohio |
| Booth No. 8 | American-Olean Tile Co. | Lansdale, Pa. |
| Booth No. 9 | Garden City Plating & Mfg. Co. | Cincinnati, Ohio |
| Booth No. 10 | Maintenance Products, Inc. | Worthington, Ohio |
| Booth No. 11 | Libbey-Owens-Ford Glass Co. | Toledo, Ohio |
| Booth No. 12 | Hunter Douglas Aluminum Corp. | New York, New York |
| Booth No. 13 | | |

| Booth No. 14 | Rapidex Div. of Spickelmier Industries, Inc. | Indianapolis, Ind. |
| Booth No. 15 | Rolscreen Co. | Pella, Iowa |
| Booth No. 16 | The Jonson Industries | Canton, Ohio |
| Booth No. 17 | Kesko Products | Bristol, Ind. |
| Booth No. 18 | Alsynite Co. of America | Ohio Distributors |
| Booth No. 20 | The Mosaic Tile Co. | Zanesville, Ohio |
| Booth No. 22 | Endicott Church Furniture Inc. | |
| Booth No. 23 | The David Hummel Building Co. | Cincinnati 14, Ohio |
| Booth No. 24 | Tubular Products, Inc. | Souderton, Pa. |

| Booth No. 25 | Marbleart, Inc. | Cleveland 13, Ohio |
| Booth No. 30 | Modernfold Door Distributors of Ohio |
| Booth No. 31 | Russwin Distributors of Ohio |
| Booth No. 32 | W. R. Meadows, Inc. | Elgin, Ill. |
| Booth No. 34 | Artekex Ceramic Corp. | Brazil, Ind. |
| Booth No. 35 | Ohio Steel Fabricators Ass'n. |
| Booth No. 36 | Andersen Corp. | Bayport, Minnesota |
| Booth No. 37 | Buildex, Inc. | New Lexington, Ohio |
| Booth No. 40 | Stromberg-Carlson Ohio Representatives |
| Booth No. 42 | Mural Arts | Canton, Ohio |
| Booth No. 43 | | |

| Booth Nos. 44 and 45 | Superior Standardline Corp. | New York 57, N. Y. |
| Booth No. 46 | The Reliance Art Metal Co. | Cincinnati 14, Ohio |
| Booth No. 50 | Beck Studios | Cincinnati 19, Ohio |
| Booth No. 51 | Structural Clay Products Institute | Canton, Ohio |
| Booth No. 52 | Stark Ceramics, Inc. | Canton, Ohio |
| Booth No. 53 | Cinder Products, Inc. | Cincinnati 16, Ohio |
| Booth No. 54 | Westinghouse Electric Corp. | Mansfield, Ohio |
| Booth No. 59 | Wicks Pipe Organ Co. | Highland, Ill. |
| Booth No. 60 | Rotolite of Midwest | Cleveland Hgts., Ohio |

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SPECIALISTS for ACID PROOF BRICK FLOORS & TANKS
This striking tile "mural" was created almost entirely with large-size 8½ x 4¼ tiles. Installations such as this add dramatic interest to wall areas, at the same time capitalizing on the permanent beauty of American-Olean Tile.
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 conception 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, Fontainbleau, 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.
These pieces won Certificates of Merit in NAHB-Producers’ Council 1957 Ideas for Homebuilders Contest. “Good descriptive information . . . Excellent guide and presented in a clear, concise manner,” the judges commented.

**Award-Winning Literature** — plus a sample board and technical bulletins—yours for the asking!

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Practically all of the authoritative data available on the holding power of threaded nails is the result of research reported in these VPI Bulletins.

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**BRIDGEWATER, MASSACHUSETTS, U.S.A.**

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.
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 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 Kopenhagen 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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CITY_______ STATE______
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.

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.

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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 Rine, Harry Frank and Lawrence Mottet. 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.

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.
**Dur-O-wal**

Is Your Most Economical and Effective Steel Masonry Reinforcing

Dur-O-wal is custom-fabricated to lay flat and tight in the mortar bed. It is the recognized standard of quality, preferred for its unexcelled performance.

**CLASS A MORTAR**

TEST WALL
Mortar — Class A
ASTM Standard C-270-S2T.
8 x 8 x 16 - Haydite Block
Av. Comp. Str. 1275 psi

**PERCENT OF INCREASE IN TEST WALL**

<table>
<thead>
<tr>
<th>Dur-O-wal</th>
<th>Other Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Increase in strength over non-reinforced walls</td>
<td>Increase in strength over non-reinforced walls</td>
</tr>
<tr>
<td>11.9 lbs.</td>
<td>8.4 lbs.</td>
</tr>
<tr>
<td>113%</td>
<td>92%</td>
</tr>
<tr>
<td>12.5 lbs.</td>
<td>11.9 lbs.</td>
</tr>
<tr>
<td>168%</td>
<td>150%</td>
</tr>
</tbody>
</table>

**POUNDS OF STEEL IN TEST WALL**

<table>
<thead>
<tr>
<th>Dur-O-wal</th>
<th>Other Types</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rolled netting type (8 g.c.c.) 5.05 lbs. steel</td>
<td>Rolled netting type (8 g.c.c.) 5.05 lbs. steel</td>
</tr>
<tr>
<td>10.0 lbs.</td>
<td>5.05 lbs.</td>
</tr>
<tr>
<td>43%</td>
<td>17%</td>
</tr>
<tr>
<td>Rolled netting type (8 g.c.c.) 5.6 lbs. steel</td>
<td>Rolled netting type (8 g.c.c.) 5.6 lbs. steel</td>
</tr>
<tr>
<td>7.5 lbs.</td>
<td>5.6 lbs.</td>
</tr>
<tr>
<td>31%</td>
<td>15%</td>
</tr>
<tr>
<td>Deep weld ladder type A every course (g.c.c.) 2.5 lbs. steel</td>
<td>Deep weld ladder type A every course (g.c.c.) 2.5 lbs. steel</td>
</tr>
<tr>
<td>7.25 lbs.</td>
<td>2.5 lbs.</td>
</tr>
<tr>
<td>25%</td>
<td>0%</td>
</tr>
</tbody>
</table>

Weights per thousand feet — Extra Heavy Dur-O-wal 257 pounds; Standard Dur-O-wal 187 pounds; Rolled Netting Type 113 pounds; Deep Weld Ladder Type 139 pounds.

Tests Conducted by Toledo University Research Foundation

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 oseide 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)
(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 maintenance.

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 Spickelmier Industries, Inc., 1100 East 52nd St., Indianapolis, Indiana.

TUBULAR CONCRETE-FILLED COLUMNS

Your key to better, safer construction

These features:
✓ Tubular concrete filled column is the most fire resistant non fire proof column made.
✓ Perfectly smooth round surface provides sanitation—easy to clean and paint—no corners or cracks to catch dirt.
✓ Round section is the most efficient column section.
✓ Requires less floor space—needs no boxing.
✓ Stronger, more durable because of cylindrical shape.

Engineering service available to architects and engineers to assist in the design and application of tubular columns.

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See our catalog in Sweets Architectural File
Cambridge Setfast Ceramics

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 Shalum 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.

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 1x1 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 dual-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—4¼x4¼, 6x4¼, 8½x4¼.

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.

PRECAST DOUBLE-TEE SLABS SPANS TO 40' A NEW ITEM IN A COMPLETE LINE OF PRECAST FIRESAFE CONCRETE PRODUCTS FOR FLOORS AND ROOFS

Double-Tee Slabs are speedily erected at the job site, provide immediate cover for the job, furnish a working deck, and result in maintenance-free, fire-safe, economical construction. Double-Tee Slabs reduce design costs, and provide framing and deck in one material.

ALSO

Floors made with this system are permanent, vermin proof, fire proof and rigid. Forming is eliminated by setting lightweight concrete filler blocks between the joists.

Write or Call us for Information on these Products

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CHEMCLAD Doors
Product of Bourne Mfg. Co.

CHEMCLAD is the registered trademark of The Bourne Manufacturing Company, Detroit, Michigan, manufacturers of plastic laminate faced doors and partitions.

CHEMCLAD Doors are available in a variety of standard colors and patterns for the architect’s selection. The opposite sides of a door may be of different colors or patterns to fit the decor of the building.

Wear resistant scuff plates are available as an exclusive feature on CHEMCLAD Doors. The scuff plates extend the full width of the door. They are available in any height for one side or both sides of the door. The scuff plates are flush, have a smooth dark brown finish, and have no seams or through joints.

CHEMCLAD Doors all employ the stressed skin method of construction. The rugged plastic laminate faces are bonded to the core and frames under heat and pressure with water-proof adhesive. The tough faces are truly mar and stain resistant.

1750 RUSSWIN DOOR HOLDER

A heavy duty door holder for interior or exterior doors applied to top rail of door. After a million cycle test, the Russwin 1750 was reported as good as new. Has many outstanding features.

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DAYTON
Carl D. Himes, Inc.
317-319 South Main St.

CINCINNATI
The McClure-Ross Co.
334 W. Benson Street
Reading

MANSFIELD
Martin Hardware Co.
17-19 North Main St.

RUSSELL & ERWIN DIVISION
The American Hardware Corporation
New Britain, Connecticut
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 Flexivent.

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.

---

Cleveland Public Auditorium
Acoustical Treatment installed 1958 in ceiling and wall areas

"The acoustical treatment of Cleveland Public Hall done by your firm has, in my opinion, made a significant improvement in the articulation of both speech and music in the hall"—Louis Lane, Conductor
The Cleveland Summer Orchestra

Architects since 1923 have utilized our services for the study and analysis of acoustical problems in buildings, recommendations for acoustical treatment when needed, budgets of cost and reliable installation service.

This service is available to architects without cost or obligation, and can be helpful in arriving at project plans and specifications which are clear and precise and provide for coordination of acoustical work with that of other trades.

Our booth at the A. S. O. Cincinnati Convention—No. 43

THE George P. Little Company, Inc.
Acoustical Consultants and Contractors
8551 BROOKPARK ROAD • Shadyside 9-4555 • CLEVELAND 29
ALSO AKRON • COLUMBUS • PITTSBURGH

Sound Conditioning with
Acousti-Celotex
American Society of Architectural Hardware Consultants

The American Society of Architectural Hardware Consultants was founded in 1940 to elevate the position of those engaged in the preparation of specifications, detailing and servicing of architectural builders' hardware and to work with the architectural and engineering professions toward the understanding of the mutual problems of all in the building construction industry.

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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LATH and PLASTER
MODERN as TOMORROW
with ROCK-LIKE QUALITY built-in
TO LAST a LIFETIME of TOMORROWS

OHIO BUREAU for LATHING & PLASTERING
1719 Kenny Road — Columbus

WOOSTER PRODUCTS INC. SPRUCE STREET
WOOSTER, OHIO
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.

**ART IRON Steel Service**

**A. W. ALGRIP**

**ABRASIVE ROLLED STEEL FLOOR PLATE**

The only safety steel floor plate approved by the Underwriters' Laboratories.

AW ALGRIP provides positive protection against costly, time-consuming slipping accidents. The surface is non-slip even on steep inclines, under wet or oily conditions. Tough Abrasive grains are rolled into the steel—Not coated. When you specify AW ALGRIP, you’re providing the finest abrasive floor plate available. Often insurance rates are lowered.

A note on your letterhead will bring you full details and specifications by return mail.

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**glamour is functional**

- It's a door and a swinging sidelite; it's a functional sidelite with a door... however you choose to look at it, you're looking at utility and savings in Desco's new SWide-Lite construction.
- There's a maneuverable door for normal traffic PLUS a sidewalite that "comes to life" as a helpful next-door-neighbor when you need room for the passage of bulky objects. Together door and sidelite make usable the full width of your opening. Specify SWide-Lite by name. For more information, call Desco.

**DESCO METALS CO.**

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**EXPANDED SHALE**

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**BLOCKS**

**because**

- stronger
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- reduce sound more
- last forever
- lighter weight

**and Concrete for**

1000 to 5000 p.s.i. strength
75 to 100 lbs. per cu. ft. weight
2.30 to 3.60 "K" insulation factor

**BUILDEX, INC.**

Phone 1005 New Lexington, Ohio
Arketex To Exhibit Ceramic Tile Line

Arketex Ceramic Corporation of Brazil, Indiana will exhibit its products in Booth Number 31 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, impermeability, 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-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-
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.

Superior Standardline offers a wide variety of opening heights and widths, allowing a freedom of design previously possible only with custom installations. These units can be combined to solve any space division or light distribution problems. To answer decorating problems, either glass or solid panels can be inserted in the frames. Vitreous and vinyl clad steel panels in a wide range of colors and textures can be ordered with them.

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.

OCTOBER, 1958
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, coraline, lime, pink and others, plus a new Vitrif-Granite color. Many are entirely new to the Industry 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.

A ball and socket device holds any

PREVENT WATER TANK CORROSION WITH PORCELINING!

A ceramic tank lining that bonds to steel with the same approximate coefficient of expansion and contraction as steel.

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colorful MURA-TACK BOARDS

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by MURAL ARTS
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Face Brick CERAMIC GLAZED BRICK AND TILE

Structural Facing Tile FLOOR BRICK TERRA COTTA GLASS BLOCK

Aluminum Ventilators and Ribbon Sash

THE KEMPER BRICK CO.
Lincoln Bldg. PROSPECT 1-2897 Cleveland, O.
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.

Communications Problems?

... Get the help of an expert!

Whether you need a functional school communications system ... a fine high fidelity music system for a luxurious motel ... a modern intercom system for a new office building ... or a rugged speaker network for an arena, your local Stromberg-Carlson sound specialist will give you dependable advice with no cost or obligation.

He can help you plan a custom-engineered system that fits your needs exactly, selecting sound communications equipment built by America's oldest and most experienced manufacturer in the field. He'll also explain how your client can lease a Stromberg-Carlson system without a penny of capital investment.

Take advantage of his service. You'll find his name listed below. Or write us.

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A DIVISION OF GENERAL DYNAMICS CORPORATION

"There is nothing finer than a Stromberg-Carlson"

Electronic and communication products for home, industry and defense ... including High Fidelity Consoles, School, Sound, Intercom and Public Address Systems

OCTOBER, 1958
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 Cornices, 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 butyl-rate 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.

McKinley Marquee-Canopies are of barrel design, available in any length and in standard projections up to 12 feet; greater projections are available.

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.

SANDS WATER HEATER

Sands Model RS-40-G water heater with SANI-GLASS Tank is guaranteed for 15 years. Features chrome trimming and sand colored top, control and door assembly.

Low overall height permits easy installation where low headroom is a factor. Has 100% automatic pilot, snap action thermostat. Meets all F.H.A. requirements for city gas installation.

Complete information and prices available from The Sands Manufacturing Company, 5416 Sweeney Avenue, Cleveland 27, Ohio.
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% restoration 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.
That’s right! Everyone is talking about shapes and colors in building and Belden Brick offers widest choice of colors, textures, sizes!

Chances are you can see Belden Brick “in the wall” right in your own community because they’ve been used practically everywhere since 1885. Ask your nearest dealer to show you why everyone is talking about the galaxy of colors and textures in which Belden Brick are produced in Norman, Roman and Standard sizes.

The Belden Brick Company • Canton, Ohio

* reproduced from the front cover of August 25 issue of LIFE.
WESTINGHOUSE AIR CONDITIONER FOR SMALL STORES, OFFICES

Equipped with special pre-fabricated ductwork, the new Westinghouse 2 HP Ductaire air conditioner can be used to cool stores and offices. The ductwork carries the cooled air along to vents at selected locations. The remote control switch makes operation simple when the conditioner is located in a transom. The unit can deliver 500 cubic feet of cooled air per minute and will completely air condition 1,400 square feet of floor space. The duct kit has six four-foot sections and two outlet grills.

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.

NEW LIGHTING FOLDER BY MEIERJOHAN-WENGLER

Nearly 200 illustrations of Contemporary and Traditional Lighting Fixtures are displayed in a newly-printed catalog issued by Meierjohan-Wengler, Metalcraftsmen for over One-Third of a Century.

Included in this catalog are many new ideas in Lighting Fixtures, Lanterns and Lamp Standards custom-fabricated in Bronze, Aluminum, Stainless Steel, Nickel-Silver and Wrought Iron.

Your copy of the new "LL" Catalog (A-I-A File 31-F2) can be obtained without obligation by writing to Meierjohan-Wengler, 1102 W. Ninth St., Cincinnati 3, Ohio.

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Consulting-Structural Engineers
2306 Park Avenue
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Capitol 1-1473
Design Service Now Available to Architects

Architects are invited to send their aluminum railing problems to Blumcraft of Pittsburgh for study. Where it is necessary to adapt a stair railing installation to special conditions, the Architect should forward his preliminary drawings or a sketch of the railing problem to Blumcraft, and sectional drawings will be prepared and forwarded by Blumcraft to the Architect.

Blumcraft does not build railings complete, but supplies their components to all ornamental metal fabricators. The railings are built in the plants of the local metal fabricators. As Blumcraft materials are available to all ornamental metal fabricators, competitive bidding to the general contractors is available on all public and private projects.

Two price lines of Blumcraft aluminum railings are available to Architects. Low cost tube-line is suggested for service stairs and where budget is a limiting factor. The Blumcraft de-luxe line is suggested for featured locations. Low-cost tube-line compares favorably in price with aluminum pipe railing because of the minimum shop labor required to fabricate low-cost tube-line railings.

The complete Blumcraft catalogue is available to architects by addressing inquiries to Blumcraft of Pittsburgh, 460 Melwood Street, Pittsburgh 13, Pa.
These Header Ducts Make This Cellular Concrete Floor Electrically Alive

Hollow-cell Flexicore floor with 1½" concrete topping has 3-hour fire rating from national authorities. Needs no fireproofing on ceiling.

Header ducts install on precast slab floor before topping is poured, and feed into cells in floor. Unlimited electrical distribution is available.

Floor outlets, like telephone outlet above, install quickly at any point above a cell. Electrical fittings manufactured by Conduflor.

Flexicore precast floors permit 20' x 20' clear span bays as shown above. For 32-page manual on Flexicore Electrified Floors write any manufacturer listed below, or the Conduflor Corporation, 3338-G Warren Rd., Cleveland, Ohio.

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Cincinnati: Price Brothers Company, 7617 Reading Road, Poplar 1-6291
Columbus: Arrowcrete Corporation, 816 McKinley Avenue, Capitol 1-5506
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The beautiful new DuPont Plaza Center, Miami, Florida, chose McKinley Ventilated Sun Cornices for protection against sun's glare and heat, and for attractive appearance.

Architects: Frank A. Shufflin, AIA; John E. Petersen, AIA.

For details, contact your McKinley Representative—see Sweet's Architectural File 194 Mc.

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