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THE OWNER — ARCHITECT BASIC CONTRACT

By Fred C. Hauck
of the Columbus Bar

(ED. NOTE: Legal questions, of general interest and common occurrence in architectural practice, are solicited for answer in this space. Such queries can make this service one of broad, current and practical value.)

The Handbook of Architectural Practice states:

"A clear understanding between Owner and Architect as to their relations and obligations is of utmost importance. So many unforeseen situations may arise during the designing and erection of a building that neither a verbal agreement, even though it were not void in law as applied to engagements for services lasting more than one year, nor a mere exchange of letters, is an adequate guarantee against misunderstandings."

Some of the problems, legal and otherwise, encountered by architects in dealing with clients could be avoided through better comprehension of the legal aspects of the employment relationship. The architect can protect himself in many ways, and guard against loss of valuable time, energy and even fees, by knowledge of a few basic contract rules.

Generally, the employment of an architect is a matter of contract with the client and the terms of such employment depend upon the terms of the contract entered into. The contract and its wording create the relations and the extent thereof; and any effort to determine or define the nature of the association must begin with the contract terms. In the absence of a contractual relationship, there can be no recovery for work done or services rendered.

Elements of a Contract

A contract is an agreement between the parties, whether in writing or orally arrived at. Although a written contract has no greater legal effect than an oral one, the writing does provide greater facility of proof and, generally, a more ready means of determining the contract terms. Thus it is recommended that the architect's contract of employment should be in writing.

There is one situation where the law does require a writing: where performance of the contract will require more than one year for completion, the contract must be in writing and signed by the party to be charged.

To constitute a binding contract requires these essentials: two or more parties having capacity to contract, a lawful purpose or object, a sufficient consideration and mutual assent to be bound or obligated (sometimes referred to as a "meeting of the minds"). Without these requirements, an agreement generally will not be recognized as binding.

Capacity. Minor children and persons without full mental faculties are deemed not to have capacity to contract and agreements with them can readily be set aside or repudiated. A corporation's capacity to contract is limited to the powers granted by the State and one dealing with a corporation is charged with notice (given by the publicly recorded charter) of the limitations on those powers. If exceeded the contract is void. A public agency or board (such as a school board) is strictly limited to its express authorizations and funds allotted. For protection, therefore, architects should ascertain those limits before contracting with such agencies.

Purpose. The matter or thing to be done by the contract terms must be a lawful one, not controverting established law or public policy or statutory regulation governing public or private construction.

Consideration. It is said that contracts without consideration are of no binding force. Consideration imports something of value, usually exchanged for something else of value. Consideration may be money or a promise to pay money, or reciprocal promises to do something or relinquish certain rights.

Mutual Assent. Mutual consent is a basic element of a contract—a "meeting of the minds," or intent to make an agreement or of the parties to obligate themselves under the stated contract terms. Mutual consent is usually declared to be lacking where the assent of one of the parties is obtained through mistake, duress, fraud or undue influence.

A contract will remain in effect until it is completed or is terminated by mutual consent; or by terms of the agreement itself. If one party cancels the contract, he is subject to liability to the other for any loss incurred by the latter resulting from the premature cancellation.

The above elements are submitted in brief outline; further explanation or definition would require considerable elaboration.

Agent or Independent Contractor

By the terms of the employment contract, the architect’s status can be that either of an independent contractor or an agent of the client. The determining factor between these two relationships turns upon the degree to which the architect is subject to, or free from, the control of the client with respect to the details of the work and the manner of performing it.

An independent contractor is one who contracts to do a piece of work according to his own methods, without being subject to control of the employer except as to the product or end-result of his work. If power of control or direction of the work is reserved by the employer, then the architect is an agent.

For example: with respect to preparation of plans an architect generally acts as an independent contractor—the owner retaining little or no control as to the engineering or plan drawing, as his primary interest is in the end-product or general design. But in the performance of

(Continued on page 54)
Keeping costs in line to meet the needs of a growing school age population is a challenge met perfectly when Tectum decks are installed. Structural, noncombustible, insulating and acoustical panels go down fast. Deck and interior ceiling are completed in one operation. Costs are reduced when Tectum is laid over joist or beam. Hundreds of schools in all climates are utilizing this new concept with marked success. Write for complete information.

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Good acoustics go hand in hand with good appearance in this modern house of worship. Tectum decks play an important part in holding costs to appropriated funds, as these economical panels are laid directly over secondary framing members without need for further insulation, acoustical treatment or sheathing. Textured Tectum decks are warm and inviting, and audience appreciation of the services is greatly improved.

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Cover and Feature Material

This month's cover of Ohio Architect shows an obvious solution to the age-old problem of cantilever design. Artist Ben Dombar, AIA, Cincinnati, leaves the mechanics of this solution to the reader's imagination.

Feature material for the April issue was furnished by the Cincinnati Chapter of the American Institute of Architects through Mr. Dombar who is an Associate Editor of Ohio Architect.

APRIL, 1958
The University of Cincinnati campus has jumped the University Avenue barrier and planted The Applied Arts Building on a heavily wooded slope adjoining Burnet Woods. The entire College of Applied Arts plans on moving into this new group of buildings this summer.

The Alms Memorial Building, completed four years ago, connects with the southern entrance to The Applied Arts Building and complements its facilities. The Alms building contains an auditorium, library, and exhibition gallery and was also designed by James E. Allan.

Of the five stories in the new building, only the top floor is without direct entrance facilities to natural grade. Such is the variation in the terrain. Two entrances lead onto playful concrete bridges. The northern exposure in its entirety presents an uninterrupted glass area. The large glass curtain walls facing south and east have concrete slab extensions forming sun shades which connect the tall unbroken red
brick masses at the wing terminals.

Facilities include student and faculty lounges, offices of the College headquarters, studios for drafting, ceramics, painting, model making, graphic arts, photography, costume, industrial, advertising and interior design.

The School of Architecture operates on the cooperative system of education. Each student attends school for seven weeks, then spends seven weeks at a job getting practical experience.

Basically the construction consists of a series of 10" thick reinforced concrete slabs supported by circular concrete columns. Exterior walls of aluminum sash and glass run floor to ceiling. No beams disturb the ceiling line. Incandescent lighting is recessed in each slab. Acoustic material is adhered to the concrete ceilings. Flooring is vinyl-asbestos. Original specifications called for asphalt tile flooring, but when construction bids ran low, the budget allowed upgrading the flooring.

Much of the furniture and equip-
iment such as drafting tables and faculty desks were designed by the architect with the assistance of the architectural faculty.

Color plays an important role in the design. Each department is identified by a specific color, and all doors, for example, to architectural drafting rooms, architectural offices, etc. are red. Concrete columns are painted contrasting colors.

- General Contract $723,181
- Blackboards 2,221
- Elevators 17,484
- Electric 113,556
- Heating and Ventilating 68,383
- Plumbing 56,875

Total cost of the project was $1,190,000, financed by a bond issue approved by Cincinnati voters in 1954.

Alms Memorial Building, University of Cincinnati
ANNEX REPLACEMENT
LONGVIEW STATE HOSPITAL

In August, 1955 a bill was passed appropriating the sum of $3,000,000 for the construction cost, architects' and engineers' fees, etc., for replacement of the present Annex Building at Longview State Hospital. The architect was selected. Preliminary conferences established that the new Annex should accommodate 520 Psychogeriatric patients, the approximate aggregate of all patients sixty-five years of age or over confined at the institution.

The Longview State Hospital is occupied by 3,400 mental patients of all ages suffering from most of the recognized mental disorders. The present patient population occupies quarters which according to APA Standards should house but half that number. The area of the Longview property totals 300 acres with considerable free area still extant. Examination of a map of this area at the time of selection of a site for the Annex Replacement project revealed a number of possible locations. However, the selection of the site for the Annex Replacement was complicated by several circumstances. Because of the age group destined to occupy the new Annex, it seemed advisable that they should be housed in one story buildings in order that consideration of difficult stairs and elevators might be obviated and access to gardens and other outdoor recreational areas might be facilitated.

These considerations and others pointed toward the selection of a site extending northward between Seymour Avenue and the present Annex Building. The other buildings in the vicin-

Architects Potter, Tyler, Martin & Roth
ity already house geriatric patients. The location of the Annex Replacement in the same general area would, therefore, constitute a continuation and augmentation of present usage. This site seemed adequate in size to comfortably accommodate the proposed group of buildings.

The next step after site selection was the development of a detailed program. The Department of Mental Hygiene and Correction received valuable assistance from Mr. Alston G. Gutterson and Dr. Charles K. Bush, both of the American Psychiatric Association Mental Hospital Building Project. Dr. Leonard Ristine, Psychiatrist and Dr. C. Earl Albrecht of the Ohio State Department of Mental Hygiene and Correction made many contributions to the shaping of the building program.

The following basic requirements were established: a Reception Building to house 190 patients made up of an equal number of men and women, a men’s infirmary to accommodate 150; and a women’s infirmary to accommodate 180. It was decided that food for the entire group would be prepared in the institution’s central kitchen and delivered to a serving kitchen in each of the three buildings. In the Reception Building it was estimated that 80% of the patients would be served meals in the dining hall. In the infirmary buildings 40% would be fed in the dining halls.

This indicated dining hall capacities as follows: In the Reception Building, 150 patients; in the Men’s Infirmary, 60 patients; and in the Women’s In-
firmary, 72 patients. The only food preparation recommended in the serving kitchens would be for breakfasts and special diets.

This then constituted the basic scheme for the Annex Replacement Project, Longview State Hospital.

**Reception Building**

190 patients, 20% bedfast or room fed. 150 fed in the dining room. Net area of dining room 2,030 square feet exclusive of the railed area or 13-1/2 square ft. per person.

**Infirmary Building for Men**

150 patients, 60% bedfast or room fed. 60 patients fed in dining room. Net area 811 square feet exclusive of the railed area at the cafeteria counter or 13 square feet per person.

**Infirmary Building for Women**

180 patients, 60% bedfast or room fed. 72 fed in dining room. Net area 1,011 square feet exclusive of railed area at cafeteria counter or 14 square feet per person.

General Contractor — H. W. Miller Construction Co.
Plumbing Contractor — Freyn Brothers, Inc.
Heating Contractor — Freyn Brothers, Inc.
Electrical Contractor — Winkler Electric Co.
Kitchen Equipment Contractor — G. E. Maier Co.
Street Lighting System — Winkler Electric Co.
Sewer Extension — Freyn Brothers, Inc.
Outside Fire Protection, Domestic Water Main — Byrnes-Conway Co.

Refrigerator Rooms — Breeding Insulating Co.
Metal Partitions — Virginia Metal Products Co.
Total Building Cost (excluding kitchen equipment) — $3,228,560.50

Members of the firm of Potter, Tyler, Martin & Roth are, left to right, George Marshall Martin, George F. Roth, Jr., Edgar D. Tyler and Russell S. Potter.
During the past three generations, a great transition has taken place in architectural metal work as we have moved into the age of the light metals. But even the achievement of the most modern expression of this age—the curtain wall—owes a debt to the earlier artisans of the forge.

We, at FLOUR CITY, recognize the rich heritage left us by the art blacksmiths. Over the years, their experience and knowledge of the plastic possibilities of metals has been inherited by our new generation. Our metal fabricators of today, now aided by modern machinery, fit and assemble curtain walls for multi-story buildings with the same care and skill that has distinguished our products for the past sixty-five years.

FLOUR CITY was one of the first fabricators of curtain walls. For us, it was not a change of direction, but rather another step forward in the use of our human and material resources.

Obviously, the architect with an imaginative and creative design must rely upon skilled and experienced fabricators to assist him in advancing the frontiers of architecture. We, of course, cannot predict what the walls of tomorrow will be, but we can and do assure you... if those walls are made of metal, the finest will be fabricated by FLOUR CITY.
By the end of the eighteenth century, many wagon roads and trails from Maine to Georgia had pushed over the mountains toward the North West Territory, which at that time included Ohio, Michigan and the Indiana Territories.

Tramping the Lake Trail, home seekers from Connecticut found in the Western Reserve new lands in which to plant the spirit of Puritanism.

By the easy access of the Great Trail over the Allegheny Mountains—I believe called Forbes Road—Pennsylvania-German, Scotch-Irish, and Quakers settled the rectangular land area known as the Seven Ranges. These groups were seeking land on which to establish clean, orderly, model farms.

The Seven Ranges (1796) is a part of Ohio bounded on the north by the 41st parallel or Western Reserve, on the east and south by Pennsylvania and the Ohio River, and on the west by a line running north at a point near Marietta. The lands to the immediate west were divided into Indian Reservations, Military Bounty, Congress Lands and the Ohio Company Land. In the year 1797 the Seven Ranges was called Jefferson County. In 1801 it was divided into Jefferson and Belmont Counties. Sometime later, these two counties were divided into several counties and became part of Mahoning, Columbiana, Harrison, Jefferson, Belmont, part of Stark, Carroll, Tuscarawas and Guernsey counties.

Many settlers to the Seven Ranges floated down the Ohio River from Pittsburgh and settled the river towns of East Liverpool, Wellsville, Steubenville, Yorkville, Martins Ferry, Belleaire, and other towns. The story of Pittsburgh as the Western Gateway and the development of middle and south-western Ohio will be more fully covered in subsequent articles.

The settlers kept coming in the Westward trek, and by 1805 the old Seven Ranges was so crowded, they pushed on as far as the Indiana Territory. The main trail through the upper center of the state was approximately our present Route 30. There was a block house near Mansfield, and Fort Recovery near the Western terminus for protection of the settlers. Those who traveled this trail founded Wooster, Mansfield, Lima and Van Wert, etc.

As a matter of fact, Ohio was somewhat a melting pot for the colonies. If the diversity factor in intermarriage is a portent of virile offspring, the future augured well for native Ohio citizens. The pioneers were of various origins and the individuals differed in manner, customs, religion and in parental nationality. The common cause of a mighty forest to subdue was sufficient to unite their efforts. The pioneers found the forest so great and dense that starting their farms could only be accomplished by ringing the trees, thereby eventually killing them. Much later, when time permitted, the trees were cut down and the timbers used to build their houses and barns.

One might say, "what has all this to do with architecture?" It is a vital factor in the development of various
KING'S PALACE—Zoar, Ohio—(Built 1833-35).
Builder: Zoar Society. Owner: Ohio State Archaeological and Historical Society. A frame wing to the rear predates the main structure. The design of this building is interesting in that it varies from most buildings of its time. The influence of the Architecture of the Zoar section can be traced to the Harmony section of Pennsylvania. One can almost detect the influence of Jefferson's Roman Classic. The building is of brick Flemish Bond construction with a stone foundation and quoins at the corners.

Log houses made their first appearance in America on the Delaware Valley frontier. According to Fiske Kimball, houses of horizontal logs were not used by the first colonists, they were in fact, unknown in Europe except among the Swedes and Finns, who probably brought the form to the Delaware Valley and then on to the Ohio frontiers. The erection of log buildings, especially in isolated districts, continued long after the close of the pioneer period and even well into the middle of the 19th century.

The foregoing brings one to the realization of why Ohio architecture varies so from county to county. Remember that the Connecticut Puritans, who were from an entirely different walk of life, settled in the Western Reserve directly to the North of Seven Ranges. The influences for their homes and buildings undoubtedly came from their earlier homes in New England.

Likewise, the earlier settlers of the Seven Ranges brought with them ideas based on the designs of their former homes in Eastern Pennsylvania. It should be noted that the Greek Revival period was slow to gain the prominence in the middle Atlantic states that it did in New England. Thus we find in the Central-Eastern part of Ohio an architecture which varies considerably from the Western Reserve.

The Seven Ranges, (due to the discovery of iron, coal and fine clays for pottery making) became a highly industrialized area, and many fine examples of architecture have ended up in the back yard of a factory, and many others were removed to accommodate industrial expansion. Fortunately, throughout the country and in small
towns many fine examples of this old architecture still remain. Certainly people whose roots are deep in American soil cannot help but love and admire the landmarks of her pioneers.

The German or Pennsylvania-Dutch were accustomed to building with stone and brick. The general architectural style was informal 3rd period Georgian, often with frame wings. The central or main part of the house had a central entrance and stair hall. The one outstanding feature of buildings by this group of people was their beautifully-built barns. For over two hundred years travelers passing through Southeastern Pennsylvania have commented on the large and attractive Pennsylvania-Dutch barns. Similar barns are traced back to Alsace and also to Switzerland.

The German farmer’s love of his farm is still very much in evidence through the central part of Ohio, which is still Ohio’s great farming

THE SEMINAR JEWETT HOUSE—N. Steubenville, Jefferson County—(Built 1838). An interesting example of many houses I have seen in Western Pennsylvania. The double decked recessed porch, like the two story Portico, is believed by many to be of southern influence. Be that as it may, there are many early examples in the North. We have very little history of the house or the Jewett Family; however, a few miles west is a town of the same name—there could be a connection.

WACK TAVERN—East Canton—(Built about 1800). Located at the intersection of routes 44 and 172. A fine example of the late Georgian period, presumably built by a master carpenter with some training in Architecture. The building embodies good design with a fine sense of scale and proportion. The blocked cornice, the stone lintels over windows, the
double chimneys, are typical of the style found in eastern Pennsylvania and Maryland. The front entrance is quite handsome with its large elliptical fan light above and side lights on either side of the door. The columns on either side of the entrance are of Roman Doric flavor, using the Torus without the Plinth. Below the side lights there is a raised oval panel. The original door has been replaced with one of 1870 vintage. The brick walls are laid up in the Flemish bond; every course composes a stretcher and header as compared with a running bond of all stretchers. The building—after one hundred fifty years of use—is still in good condition. Many houses in Columbiana, Stark and Jefferson counties show a similarity of design.

Page 18
Originally, the Quakers, like the Germans, were great farmers, but with the natural ability they possessed for trading and business, they gradually migrated to centers of population. Looking back to the Seaboard, it will be recalled that a great many of the early whaling and merchant ship captains were stern Quakers.

The Scotch-Irish pioneers were more of the tradesman class: carpenter-builders, wood carvers, stone cutters, brick and mortar makers. They were, in the main, responsible for the building of the fine homes and buildings which, after one hundred and fifty years are standing as a monument to their skills. Among them also are to be found the furniture makers, metal workers, blacks, implement makers and the like.

All in all, these pioneers successfully combined their skills, the outcome of which was harmonious architecture.

OLD ELK TAVERN—New Baltimore, Stark County—(Built 1835). The building seems to have been in a run-down condition when the picture was taken. However, it is a good example of the Greek Revival period and is interesting because of the extended two story porch. It also gives rise to the fact that the new Architecture of that day was infiltrating the seven ranges, the Pennsylvania territory of Ohio.

THOMAS HURST RESIDENCE—Dover—(Built 1826). Driving through Ohio, one can fairly accurately determine the origins of the settlers by the style of the Architecture, which is usually a prototype of the styles of their former homes back east. This house shows the influence of the Pennsylvania, Maryland—Federal, and Georgian, however, incorporating the later influence of the Greek Revival, especially in the Entrance and Stairway. The Cornice is rather delicate in scale like the Federal Period. The brick work is a straight running bond, with every sixth course a header course. The plan is a typical Center Hall Georgian type. Notice the Gable end, with the chimney above the Attic window. Undoubtedly the chimney is split above the Attic window, half on either side of the double windows below. It seems reasonable that the house contains at least four fireplaces. The Walnut Stair Hall is quite handsome, the Stair baluster showing the transitional trend between Federal and Greek Revival. The symmetrical trim with corner blocks is typical of the latter period. The original portion of the house contained in the rear wing was built in 1796. The last known owner in 1936 was Mr. Geo. R. Hatcher.
## Architects Society of Ohio Official Roster of Architects

The following alphabetical roster of architects, registered and licensed to practice in Ohio, is correct as of March 21, 1958. The list has been checked carefully with official state records as of the date given.

### In order to keep this Roster up-to-date OHIO ARCHITECT periodically will publish address changes, new architect registrations, and license restorations. This is possible because the ASO is located in Columbus and has daily access to official records.

### —A—

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
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<tbody>
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<td>Abendroth, Fred J.</td>
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<td>Adams, John Quincy</td>
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<td>Adams, John Q., Jr.</td>
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<td>7499 Oval Dr. Cleveland, 3</td>
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<td>Albert, John Paul</td>
<td>2155 Fairfax Rd. Columbus, 21</td>
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<td>Uniontown, Pa.</td>
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New Concept In Classroom Acoustical Design Described in Booklet


The use of sound reflective ceilings together with a limited application of acoustical treatment, a practice supported by leading acoustical experts, is covered in easy-to-read, every-day language and simple explanatory drawings. The recently published booklet also illustrates the importance of voice reinforcement and the control of reverberation time in good student-teacher hearing.

The booklet contains valuable information for school officials, board members and architects. Copies may be obtained by writing to The Flexicore Co., Inc., 1932 E. Monument Ave., Dayton 2, Ohio.

Rolscreen Co. Offers New Window Feature

Muntin bars that snap in and out are a new feature of Pella Multi-Purpose, Casement and Twinlite windows manufactured by the Rolscreen Company, Pella, Iowa. Using only the horizontal bars, contemporary effects can be achieved, while the multi-pane arrangements, which are steel-pinned at intersections, create the often-desired traditional look with new ease of upkeep.

The muntins, made of toxic-treated clear Western Pine, are set securely into inside sash with hidden ball-and-socket connectors. Protected by the outer glass panel, they can easily be removed for painting and window washing.

The new removable muntin bars are offered as optional features throughout Pella's complete range of window sizes. Particulars can be secured from Sweet's Architectural File or the Rolscreen Company, Pella, Iowa.
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CONTRACTOR COMPARES COSTS. Recently a plumbing contractor figured an installed cost for a drainage system similar to the model shown above—in copper tube and solder-joint fittings vs. ferrous pipe and fittings. The job calls for two bathrooms back-to-back, a kitchen and laundry. Here are summaries of his comparative estimates for materials and labor:

**USING COPPER**
- Copper Drainage Tube: $80.84
- Type DWV, 1 1/4"—3"*
- Cast Brass Fittings: $58.36
- Solder & Flux: $1.10
- Total material cost: $140.30
- Add 12 Hours Labor: $46.50
- Installed cost: $186.80

*Solder and flux required 4" cast iron soil lines and vent stacks. However, under some codes, 3" size in copper tubes is permitted.

**USING FERROUS PIPE AND FITTINGS**
- Cast-Iron, Steel and Lead Pipe
- 1 1/4"—4": $71.03
- Wiping Solder, Caulking, Lead, Oakum: $26.38
- Fittings: $53.33
- Total material cost: $150.74
- Add 22 Hours Labor: $85.25
- Installed cost: $235.99

**SAVINGS** using copper amounted to $49.19—a savings of more than 20% over the use of ferrous pipe!

**INSTALLATION TIME CUT.** Many plumbing contractors have found that the normal time needed for roughing-in a cast iron and steel pipe drainage system can be reduced by about half with the use of copper tube. The above estimate, however, was figured with a 45% saving, to be on the conservative side. But even if the time saving were only one-third, the dollar savings would be $33. Labor rate is based on prevailing wage scale in a New England industrial area, plus fringe benefits, compensation and liability insurance costs.

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Raymond F. Orr, President of Rescolite Company, Fort Smith, Arkansas, has announced the appointment of Buildex, Inc., Ottawa, Kansas, as the Exclusive Sales Agent for Rescolite, expanded shale aggregate.

The Rescolite Company started production in January, 1953, of lightweight expanded shale aggregate (haydite) in their plant in Fort Smith, Arkansas. Production equipment includes one 6' x 75' and one 8' x 125' rotary kiln, giving a capacity of about 100,000 cubic yards of product annually. The product is marketed under the trade name of "Rescolite."

Buildex, Inc. operates plants and sales offices in Ottawa, Kansas and New Lexington, Ohio. Like the Rescolite Company, they produce lightweight expanded shale aggregate in their rotary kiln plants. Under the new agreement Buildex will assume all responsibility for sales, including customer and job site service. The Rescolite Company will remain in charge of all other services including production, shipping, etc.

Neither the Rescolite Company or Buildex, Inc. manufactures blocks or other products, but produces and distributes the lightweight expanded shale aggregate to other companies engaged in the manufacture of these products and ready mix and contracting companies for use in lightweight structural concrete.

Both the Rescolite Company and Buildex, Inc., are members of the Expanded Shale Clay and Slate Institute, Washington, D. C. This international organization is actively engaged in the dissemination of technical and promotional materials for the benefit of the construction industry.

REYNOLDS AWARD JURY ANNOUNCED

The American Institute of Architects has announced the names of five distinguished architects to serve as the Jury for the 1958 R. S. Reynolds Memorial Award for the best use of aluminum in Architecture.

The Reynolds Award—which consists of a $25,000 honorary payment plus an emblem—is international in character. Therefore jurors have been selected by the AIA Board of Directors from both the U. S. and abroad.

Named to the Reynolds Award Jury were:

Richard J. Neutra of Los Angeles, California;
Arthur Loomis Harmon of New York, New York;
J. Roy Carroll of Philadelphia, Pennsylvania;
Richard M. Bennett of Chicago, Illinois, and
Pier Luigi Nervi of Rome, Italy.

The Jury will meet in Washington May 5 and 6 to consider nominations for the 1958 Award. The Chairman, selected by the Jury, will announce the recipient of the Award within a week after judging is completed.

The Award will then be presented at the American Institute of Architect's Annual Convention to be held in Cleveland, Ohio, July 7-11.

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Kelley Named President Of Zonolite Company

The directors of Zonolite Company, Chicago, have elected J. A. Kelley president. Kelley succeeds J. B. Myers, who resigned. Myers will continue his association with the company as a consultant.

Kelley joined Zonolite Company in 1946, and in his early tenure, was responsible for the development of the firm's extensive mining and milling developments in South Carolina and for the installation and operation of Zonolite plants in many cities in the South and Central South areas. He also managed Zonolite sales activities in these sections.

In 1953 he became a vice-president and in 1956 was named executive vice-president for the firm, in charge of all plants and mines.

Zonolite Company is the principal miner and manufacturer of vermiculite, a mica-like mineral widely used in building construction for its lightweight, fire-proofing, insulating characteristics, and in other industries as a carrier for chemicals, conditioner, or filler. Zonolite products are processed in over 40 plants in the U. S. and Canada.

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"Made in Cincinnati" Exhibition Held

A wide range of well-designed consumer and industrial metal products manufactured in the Greater Cincinnati area were exhibited at the Contemporary Arts Center in the Cincinnati Art Museum from March 8 through April 6. The exhibition was intended to show the high quality of design prevailing among manufacturing firms in the area.

An opening night special included a demonstration sponsored by the Cincinnati Lathe and Tool Company of the operation of a spiro point drill sharpener. This machine applies a revolutionary new geometry to the point of a drill. Other exhibits of interest were the nose cone from the Explorer space satellite, coupled with a series of documentary photographs from the Lodge and Shipley Company; a series of scale models from the Cincinnati Milling Machine Company, valves on steel pedestals from William Powell Company; a food mixer sunk into a sink counter from Nutone; centrifugal pumps from Allis Chalmers; and recording thermometers from Palmer.

Government Construction Plans To Be Discussed

Just how big a prop government construction can be expected to give the economy and some new thinking on the design and equipment of government buildings will be two of the highlighted subjects of the 7th Annual Meeting of the Building Research Institute at the Shoreham Hotel, Washington, D. C., April 21-23, 1958.

Three top government building officials will address members of BRI and others from the building industry and related professions at this three-day session. They are Harry Zackrison, supervisory general engineer for Army's Office of the Chief of Engineers; FHA Commissioner Norman Mason, and Fred S. Poorman, deputy commissioner of Public Buildings Service for General Services Administration.

Program and registration information on the 7th Annual Meeting may be obtained by writing to Harold Horowitz, technical secretary, Building Research Institute, NAS-NRC, 2101 Constitution Avenue, Washington 25, D. C.
supervisory functions in the construction of buildings, the architect ordinarily acts as an agent and representative of the owner. In the later status, the authority of the architect is limited to seeing that the work is done by the mechanics according to plan specifications; he has no additional authority (except insofar as he is invested with special authority) to commit the client or modify the plans or specifications.

The distinguishing factor, however, does not turn upon the difference between the work of plan drawing and that of supervisory construction—but upon the degree of control retained by the owner or the extent of the authority delegated to the architect.

The matter of status—whether agent or independent contractor—can become important where the question of liability for injury or damage to third persons is involved. Generally, the owner is liable for the negligence of his agent acting within the scope of the authority given; the agent-architect is responsible for those of his acts beyond the limits of his agency or authority. The owner is not liable to third persons for the negligence of an architect acting in the status of independent contractor (i.e. when free from control); in such case, a third person usually can pursue only the independent contractor for any damage incurred.

**Duty to Client**

What, then, are the duties and obligations of the architect to the client arising from the contract of employment? Good faith and loyalty to his employer are said to constitute a primary duty of the architect.

This imports that he will make full disclosure of all matters, within his knowledge, which it is desirable or important for his principal to know. Thus he should have no pecuniary interest (beyond that paid by the client) in the performance of the contract, nor be in the employ of both the owner and builder, receiving compensation from both, unless full disclosure is made and the owner knows and consents to such relationship. This principle derives from the maxim that one cannot fairly serve two masters.

He is required to use the skill and diligence which is exercised ordinarily by architects. Thus, in the preparation of plans and drawings, an architect owes to the client the duty to exercise his skill and ability, his judgment and taste, reasonably and without neglect; his efficiency in this respect being tested by the rule of ordinary and reasonable skill usually exercised by one in his profession.

Under this rule of reasonable degree of skill and care, he is bound to produce a building of the kind called for without marked defects in character, strength or appearance.

The architect's undertaking, however, in the absence of special agreement, does not imply that his plans will be perfect or guarantee complete satisfaction or perfection in result. His liability being limited to an exercise of rea-

1. 2 Handbook of Architectural Practice (1953 Ed.)

**New Literature**

A new booklet from the Carthage Marble Corp., shows installations and specifications on interior and exterior marbles, marble window stools, Stallpack toilet enclosures, split-face marble and color reproduction of many varieties stocked. Write Carthage Marble Corp., Box N612 Carthage, Missouri.
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H. James Holroyd, AIA
Elected Vice Chairman
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H. James Holroyd, President, Columbus Chapter, American Institute of Architects, and partner in the firm of H. James Holroyd and Robert H. Myers, Architects, was elected Vice Chairman of the Columbus Airport Commission at a Commission meeting on February 27. Holroyd had been appointed last December 10 by Columbus Mayor M. E. "Jack" Sensenbrenner to a four year term on the Commission. He succeeds Vice Chairman D. W. Merrell who had held the post for ten years.

Joseph J. Van Hyde was elected Chairman of the nine man organization. He replaces John P. Biehn, Chairman since the Commission was organized in 1946.

B. C. Wilson Company
Changes Firm Name

The B. C. Wilson Co. of Worthington, distributors and erectors of architectural porcelain in Ohio, West Virginia and Kentucky, has changed its name to Panel Walls, Inc., and has moved into its new office building at 955 Proprietors Rd. in the new Worthington industrial area.

Panel Walls, Inc. will remain under the same management with Mrs. B. C. Wilson as president and Robert T. Kelker as secretary-treasurer. The firm is a franchised dealer-distributor for Davison Enamel Products, Inc. of Lima, world's largest fabricators of architectural porcelain.

Mrs. Wilson said the name was changed to more nearly describe the business. Panel Walls, Inc. engineers, field measures, fabricates and erects porcelain enamel panels both for remodeling projects and new buildings which are either faced with porcelain panels or constructed with curtain wall panels.

The business was launched in 1948 by the late B. C. Wilson, was incorporated under the name The B. C. Wilson Co. in 1952, and became Panel Walls, Inc. as of March 1, 1958.

Its territory includes central and southeastern Ohio and parts of West Virginia and Kentucky.

APRIL, 1958

MECKLER ENGINEERING COMPANY
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More than 25 Columbus architects met with Jens Risom, of Risom Design, Inc., to discuss furniture design at a breakfast sponsored by the General Office Equipment Company, 70 South Fourth Street, Columbus.

After the breakfast, the architects visited the showrooms of General Office Equipment where they viewed Mr. Risom's furniture and had an opportunity to discuss it with the designer. Mr. Risom was in Columbus under the auspices of the Ohio State University and the Columbus Chapter of the American Institute of Architects.

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Let's Omit "Or Equal"

In the October, 1957, issue of “Progressive Architecture,” Harold J. Rosen’s “Specifications Clinic” column was devoted to an article titled “Let’s Omit ‘Or Equal.’” Since the receipt of that issue by P/A’s readers and advertisers, there has been a good deal of comment about this column—90% of it favorable—and many reprints have been requested by architects, specification writers, and manufacturers of building products, materials, and equipment.

Since the response to Rosen’s article was so strong, it indicated to us that this is a subject of interest throughout the building field, and of no little importance to the man selling to the architectural market. Therefore, this P/A Architectural Sales Bulletin will consider some of Mr. Rosen’s proposals rather than techniques of selling to architectural firms.

In “Let’s Omit ‘Or Equal,’” Mr. Rosen maintains that the “or equal” clause in specifications can and frequently does act to the disadvantage of architect, contractor, and owner. He says that this clause should be dropped completely from architectural specifications. The fairness of competitive bidding would be maintained and strengthened by the architect naming brand names of several products or materials.

"Or equal" consumes too much of the architect’s time and work, according to the P/A article: “The ‘or equal’ clause also increases the amount of office work the architect must perform in order to chase down all of the ‘or equal’ substitutions which are submitted by the Contractor for approval.”

Mr. Rosen goes on to say, “Many difficulties are avoided if the ‘or equal’ clause is dropped. The Contractor cannot claim that his bid was predicted on the use of another material which the Architect refuses to accept as an ‘or equal.’ By basing their bids on the materials specified, the Bidders are competing on the same level—making for fairness in competitive bidding.

Control of the project is better without “or equal.” “The Architect has better control of the job when the ‘or equal’ clause is omitted. With an ‘or equal’ clause the Contractor constantly is striving to use other materials, especially if there is a price advantage to him after the contract is let. In many cases, the Owner does not benefit from these price differentials, the substitutions being made solely on the basis of ‘or equal without change in the contract price.’ The Architect should insist that the products which he has specified and with which he is familiar and has confidence in, should be used.”

More than one product should be named by the Architect. “. . . reference to a single name or product in private work should be discouraged . . . because it tends to eliminate competition.

Even in public and government work, “or equal” is undesirable. “There is a fallacy about the use of the ‘or equal’ clause in public work . . . Bidding in public work is a privilege—not a right—and the Government, as an Owner, has a right to protect its own interests by demanding that it receive a dollar’s worth of value for a dollar spent. A Bidder on public work should prove that his material is equal to that specified and it should not be incumbent upon the Government to test every substitution to determine its equality.”

At the first Specification Workshop of the Building Research Institute, the important topic of omitting “or equal” was discussed thoroughly and a paragraph was recommended for inclusion in the Special Conditions of the Specifications, as follows:

Variations from Materials Specified:

Materials or products specified by name of manufacturer, brand, trade name, or catalog reference shall be the basis of the bid and furnished under the contract, unless changed by mutual agreement. Where two or more materials are named, the choice of these shall be optional with the Contractor. Should the Contractor wish to use any materials or products other than those specified, he shall so state, naming the proposed substitutions and what difference if any will be made in the contract price for such substitution, should it be accepted.

(Reprinted from Progressive Architecture, Architectural Sales Bulletin #14)
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AIA Completes Two Movies For Chapter Use

Johnny plays title role in AIA's new semi-animated color film on school design. "A School for Johnny" shows that schools are the best bargain on the building market today. The film explains that good schools are the product of intensive, intelligent teamwork between educators and architects—tailored to the very specific requirements of the community.

The first two in a series of semi-animated movie shorts on architectural subjects have been completed by the American Institute of Architects as public relations aids for chapters and state societies.

"What's a House?", the first of these 15-minute cartoon films, traces the evolution of the American house from the "carpenter classic" to the residence of the future. By acquainting the audience with some of the problems of site planning, orientation and building technology the film indirectly points up the essential role of the architect in residential design.

"A School for Johnny" addresses itself to the problem of filling the increasing needs for schools without over-straining community resources. The film relates some of the primary factors the school architect must consider in designing for today's education and attempts to clarify some misconceptions about comparative costs and economy in school design.

Both films are done in simple Disney-like cartoons and charts on a minimum budget. Both include color photographs by outstanding architectural photographers. The films may be either purchased or rented from AIA. The purchase price is $65 per film.

Cave man in AIA's new film "What Is A House?" illustrates that whatever his specific needs, man's home must be liveable, provide companionship, warmth and the satisfaction of ownership. Theme of the film is to show how residential design has kept up with changing needs and requirements.
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Cleveland Chapter, AIA Presents Gift To Cleveland Public Library

Participating in the presentation of the Cleveland Chapter's architectural library to the Cleveland Public Library are, l. to r., George B. Mayer, Chapter Centennial Observance Committee Chairman; Mrs. Robert H. Jamieson, President of the Library's Board of Trustees; Charles C. Colman, designer of the commemorative bookplate; and Leon M. Worley, President of the Cleveland Chapter. Mrs. Jamieson holds the original of the bookplate design.

In closing its celebration of the 100th anniversary of the American Institute of Architects, the Cleveland Chapter, AIA, recently presented its 200 volume architectural library to the Cleveland Public Library.

To commemorate the presentation, the local AIA Chapter held a competition for the design of a bookplate. Winner of the award was Charles C. Colman, consulting architect with the firm of Ward & Conrad. Depicting three major phases of architecture through the ages, the bookplate design includes the ancient sphinx, the classic Cleveland Library building and the Contemporary United Nations group.

All of the books in the collection were donated by local architects. They were assembled through the efforts of George B. Mayer, FAIA, Chairman of the Chapter's Centennial Observance Committee.

A check for $100 was also given to the library by the Chapter for the purchase of additional books. The gift was made in commemoration of the late J. Milton Dyer, FAIA, noted Cleveland architect and designer of the City Hall.

Patterson Joins Kent State Univ. Faculty

Clyde A. Patterson, Jr., Cleveland architect, has been named assistant professor of architecture at Kent State University. He will take over his new duties in September.

Patterson has a diploma from the Fountainebleau School of Fine Arts and his bachelor's and master's degrees in architecture from Western Reserve University.

During 1950-51 he was in France on a fellowship sponsored by the American Institute of Architects.
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