

Western High School, Jefferson County, Kentucky. Architects: Hartstern, Louis and Henry, Louisville. General Contractor: Wehr Constructors, Inc., Louisville.

# Fire safety comes first-economy's a bonus in these low-cost concrete schools

Fire protection is a vital consideration when building a school. This is one reason architects Hartstern, Louis and Henry have chosen concrete construction for Jefferson County, Kentucky, schools.

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\*Western High School: cost per sq. ft., \$11.25; cost per pupil, \$925.00. Bashford Manor Elementary School: cost per sq. ft., \$10.68; cost per pupil, \$498.00. These costs are for construction only; they do not include site improvements nor furniture. However, costs for Western High School include air-conditioning.



Bashford Manor Elementary School, Jefferson County, Kentucky. Architects: Hartstern, Louis and Henry, Louisville. General Contractor: Wehr Constructors, Inc., Louisville. Fire-resistant features of concrete allowed the architect to deviate from the conventional one-story design in elementary schools, thereby saving taxpayers' money.

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## The Kentucky Architect

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# STATUS OF THE EMPLOYED ARCHITECT

By ROBERT F. CRUMP, A.I.A.

Within the last fourteen years I have been employed in seven local architectural firms, was a partner in a young firm, and am now self-employed. Slowly through these years, some ideas and principles took shape in my mind. It seemed inopportune, however, to express these views until now. I feel that these ideas have now come of age—if only to be heard.

#### BACKGROUND

It is widely known that, prior to the war years, architectural firms were made up largely of one or two principals and a staff of draftsmen who executed the designs which the principals initiated. There was, I suppose, a decade of transition. Now we see firms made up of a very different type of organization. The architect's work is much more complicated, involving scores of different structural, mechanical and treatment systems. This has, surely, caused the decrease in the number of competent draftsmen available. Now firms are hiring student architects, graduate architects and registered architects to do the chores. However, there is one big difference. These employees are very often the designers. A big change in a very few years! It is to this change in the practice that I direct your attention, and I hope your interest.

#### OTHER PROFESSIONS

But let us look for a moment into the offices of other professionals: the law firm, the accounting firm, the medical clinic, or even the real estate office. You will notice that each professional person on the staff, whether salaried, associate, or partner, is clearly identifiable upon entering the reception room. The name and the title of each is indicated on a door or a wall. OUR PROFESSIONALS

Can we learn something from this? I think so! I believe we, as professional fellows of this fraternity have failed to see the need of acknowledging the status of our employed professionals. I would suggest that firms indicate on their premises the titles of all registered architects and engineers. For the graduate, but yet unlicensed architect, we might revive the "Architect in Training" title.

In the June issue of THE KENTUCKY ARCHITECT, Mr. A. B. McCulloch has stated: "... The individual architect works best in a climate of high professional standards, ethics, and public esteem created for him by the A.I.A."

We are creative people. Our environment and the respect shown us by our superiors is most important. I feel that the individual will be encouraged to perform to deserve this status and, as a result, the firm will produce more work of a higher quality.

In time, I would expect many of these people to become more active in the work of the Institute or to become corporate members, but, better still, they would become better architects.





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#### BASIC SCHEDULE OF

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FOREWORD

THE ARCHITECTURAL PROFESSION

The profession of architecture calls for men of high integrity, business, artistic and technical ability, and a capacity to analyze and solve an owner's problems.

An architect's honesty of purpose is paramount; he acts as professional adviser to his client and his advice is unprejudiced; he is charged with the exercise of judicial functions as between client and contractors and acts with entire impartiality; he has moral responsibilities to his professional associates and subordinates; finally, he is engaged in a profession which carries with it vital responsibility to the public. The proper discharge of these duties and responsibilities requires that the architect's motives, conduct, attitude and ability be such as to merit respect and confidence.

#### LICENSING & REGISTRATION LAWS

Admission to the practice of architecture is now regulated by law in each of the fifty states and the District of Columbia.

The basis upon which the constitutionality of a licensing or registration law rests is the exercise by the state of the police power for the protection of life, health and the public welfare.

The various State Boards of Registration have set up the National Council of Architectural Registration Boards, whose aim is to standardize qualifications and to facilitate admission to interstate practice.

#### 1. SELECTION OF AN ARCHITECT

An architect should be chosen on the basis of his competence and integrity. Selection of an architect on the basis of a competition in professional charges is contrary to the ethics of the architectural profession. An architect seeking to secure employment on such basis should therefore be suspect as to his integrity and professional standing.

The following methods of procedure for the selection of an Architect are customary:

Direct Selection, Selection by the owner through personal know-ledge on the basis of reputation, demonstrated ability, and the recommendations of others for whom the architect has rendered service.

Comparative Selection. Selection from a group of architects given opportunity to present evidence of their qualifications, the owner acting with or without the advice of an architect serving as a professional adviser.

Design Competition Selection. Selection according to the Architectural Competition Code Procedure of The American Institute of Architects.

#### II. THE OWNER'S RESPONSIBILITIES

#### 1. RELATIONS WITH ARCHITECT

The owner will benefit in his relationship with the architect if (Continued on Page 8)

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#### **BASIC SCHEDULE**

(Continued from Page 7)

he thoroughly understands the responsibilities of each party in the cooperative endeavor. The architect is the owner's professional adviser and in certain matters as may be defined in writing acts as his agent.

The orderly and economical execution of the construction contract will be assisted by prompt action by the owner on all questions, orders and certificates as submitted by the architect and the giving of of all orders to contractors through him.

The owner in his own interest should make sure that he understands fully the preliminary studies, as they will form the basis for the working drawings and specifications and changes in the drawings may be very expensive and a cause of delay.

#### 2. FINANCIAL LIMITATIONS

The owner should disclose fully (Continued on Page 16)

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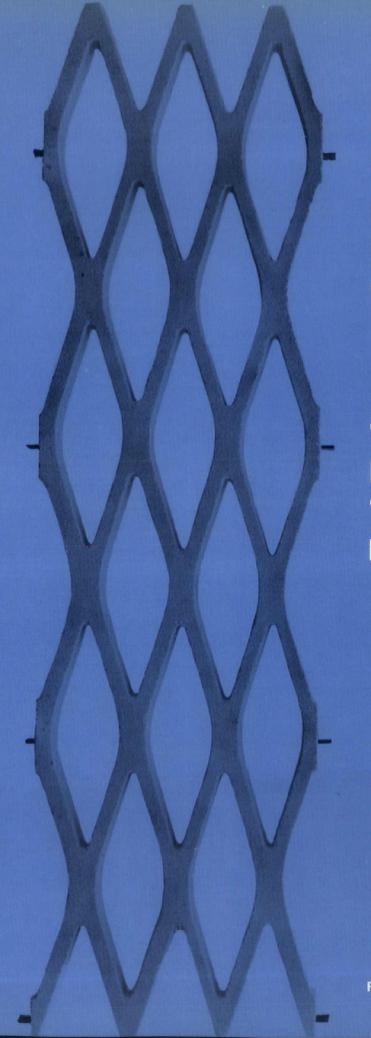
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# NINE CANDIDATES APPEAR BEFORE BOARD FOR LICENSES

Nine candidates appeared before the State Board of Examiners and Registration of Architects July 8 through 11 for license to practice architecture in the state of Kentucky.

R. W. Braun, Louisville, successfully completed the entire examination and was licensed July 12. His registration number is #805.

The board further granted registrations to Arthur Russell Jablonsky, Poplar Bluff, Missouri (#804) and Arthur Schlott, Jr., Louisville, (#806).

The following architects registered in Kentucky have voluntarily surrendered their licenses as of July 1, 1963:

James Richard Reed, Mentor, Ohio; James J. Souder, Los Angeles; Ossian P. Ward, Louisville; Norman John Widersum, Valley Stream, New York; G. Albert Chandler, Memphis; Melvin Raymond Krumm, Los Angeles; Albert Stanley Knorth, Kirkwood, Missouri; Alexander S. Cochran, Baltimore; Hilbert C. Duning, Cincinnati; Paul E. Stauber, Louisville and Frederick W. Dunn, St. Louis.

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The design program called for over 75,000 square-feet of space on this building which was to be a combination warehouse and office building. Since both buildings are different in use, they are housed in separate buildings that are joined together.

The main entrance, in the office building, leads to a products display area. Aluminum sun screens give protection from the sun to all office areas.

The warehouse utilizes brick, concrete block and steel in its construction, chosen for their low-maintenance requirements.

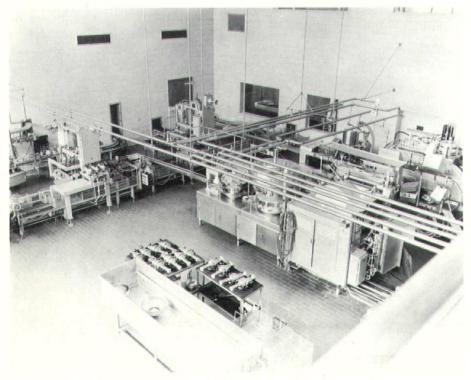
#### DEAN MILK COMPANY, INC.

ARCHITECTS: Joseph & Joseph, A.I.A.

CONSULTING ENGINEERS: E. R. Ronald & Assoc. GENERAL CONTRACTOR: Rostetter Construction Co.



THREE-LEVEL DAIRY PLANT



BRICK AND TILE PRODUCTION AREA FINISHES

The Dean Milk Company plant was designed to provide maximum flexibility for changing or increasing production requirements in the processing and packaging of dairy products.

The building contains 40,000 square feet of space and is arranged on three levels to utilize gravity flow for certain processes. The shape is the natural outgrowth of housing the facility in the most efficient manner.

Finishes throughout production areas were selected for minimum maintenance and maximum sanitation. These areas have brick or quarry tile floors, glazed structural tile walls and in some areas ceilings are coated with Secton, an elastic vinyl membrane coating.

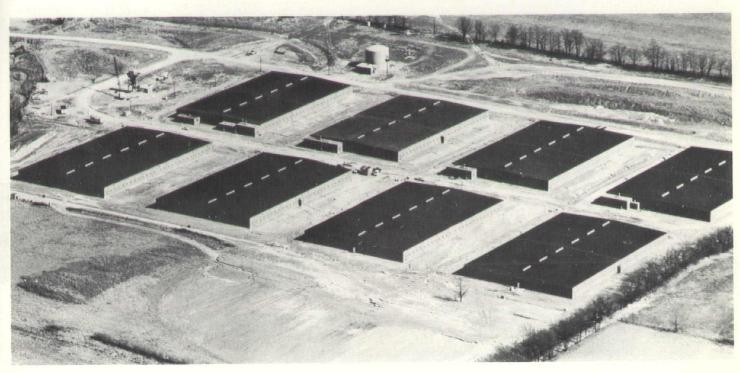
Exterior walls are warm grey brick accented with chocolate brick piers. Filtered airflow changes within the plant every 4 minutes; offices, lockers, lunchroom and laboratory are air conditioned.

#### BROWN-FORMAN DISTILLERS CORP.

ARCHITECTS: Joseph & Joseph, A.I.A.

CONSULTING ENGINEERS: E. R. Ronald & Assoc.

GENERAL CONTRACTOR: John Wile Construction Co., Inc., A.G.C.

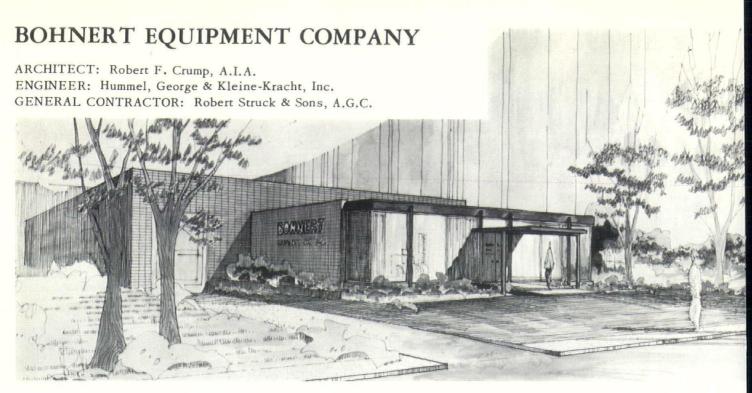


WAREHOUSES AT UTICA, INDIANA

A recent expansion of Brown-Forman Distillers Corporation provided for eight new warehouses near Utica, Indiana. The warehouses are each approximately 172 by 270 feet and have a total storage capacity of about 200,000 barrels of whiskey.

The exterior walls are cavity construction, using 4" of face brick, 2" of air space and 6" of back up. Walls surrounding hazardous areas such as boiler rooms, are of solid construction to provide required fire rating. Adequate ventilation, which is a necessity in the proper storage of whiskey, is supplied by motor-operated windows in the side walls and a continuously rotating ventilator on the roof.

The buildings are completely covered by a sprinkler network. The roof deck is constructed of two-inch thick wood sheathing, and the entire roof area is covered with 1½ inches of insulation. Drainage is provided by sloping the floor of a crawl space, below the first row of barrels, to scuppers through the end wall of the warehouses. The heating equipment is also run through this crawl space. Four of the warehouses have attached boiler rooms and heating is piped underground from these boiler rooms to the other four buildings.



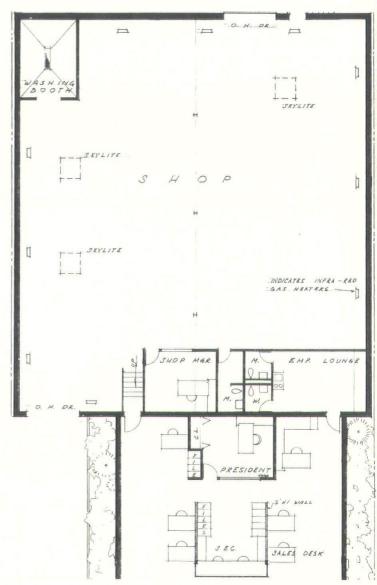
The site for this 7,530 square-foot building is located on Arthur Street in Louisville, rapidly becoming a popular street for commercial and industrial buildings because of its easy access to the North-South Expressway. Construction began last month.

Built of stacked concrete block to match external material used in other nearby buildings on Arthur Street, the Bohnert Company's new building will feature a combination gas and infra-red panel heating system that is designed to warm workmen, but not increase the atmosphere temperature, thus holding the gas bill to a minimum. This heating system was chosen because of the large doors in the shop area to be opened often during the day which could create a large heat loss. Workmen will be able to be comfortably warm even though the air temperature inside is 60-65 degrees.

By perching the display and office portion at the top of the site-which slopes nine feet down-and setting the shop four feet lower, it was possible to provide a 4½-foot-high loading dock. The company, which sells and repairs fork lift trucks and other related equipment, receives most of its material from truck services. The display area is situated so it is seen by the thousands of motorists daily passing on the Expressway.

Estimated building costs were \$9.70 per square foot. Total cost of the building and its furnishings is estimated at \$100,000. The shop is to be constructed of bar joists and exposed metal deck. Office material will be three-inch metal deck on six-inch steel beams.

The top block in the stacked block design is of concrete block size, but cut from stone to create sloping top and flashing reglet.



#### Ky. Architects Annual Meeting Changed This Year

The place for the annual meeting of the Kentucky Society of Architects has been changed from Lexington to French Lick, Indiana. It will be held in conjunction with the regional convention at the French Lick Sheraton Hotel October 18, 19 and 20.

A. B. McCulloch, president of the society, said that since the by-laws of the East-Central region of the American Institute of Architects calls for a meeting every three years, it was decided to change the time and place of the Kentucky Society of Architects to coincide with it. This will be the first regional meeting.

He said that the move would allow members to conduct society business and present its honor awards without the time and expense of a second meeting in Lexington.

The board noted too, that by combining the meetings, more

members of the Kentucky Society of Architects could take advantage of the regional convention seminars to be held on "Aesthetic Responsibility",

"In addition to the fellowship and restful atmosphere at French Lick", McCulloch said, "each of you will have the responsibility of voting for your next regional director. This alone is sufficient for me to urge you to place these dates on your calendar and plan to attend."

Candidates already nominated

for office are Walter Scholer, Jr., Lafayette, Indiana, for regional director and Wayne Weber, Terre Haute, Indiana for regional secretary.

Additional nominations for the office of regional director may be made by any official delegate to the convention from the floor. Any person nominated by the regional convention will have his name placed in nomination at the annual convention of the A.I.A. and be voted upon by the entire convention delegation.

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#### **BASIC SCHEDULE**

(Continued from Page 8)

to the architect at the start, all financial limitations that may affect the project, and all present and probable future requirements that affect the design of the structure. If the cost of the project is controlled by a fixed limit this should be stated clearly in writing.

#### 3. INFORMATION FURNISHED BY OWNER

The owner shall, so far as the work may require, furnish the architect with the following information:

A complete and accurate survey of the building site, giving the grades and lines of streets, pavements, and adjoining properties; the rights, restrictions, easements, boundaries, and contours of the building site, and full information as to sewer, water, gas and electrical service and other utilities. The owner shall pay for borings or test pits and for chemical, mechan-(Continued on Page 18)







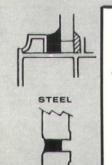
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#### LETTERS TO THE EDITOR

THE KENTUCKY ARCHITECT:

I want to compliment you for the selection and presentation of the article, "Resolution of the Engineer-Architect Problem" by Robert B. George in your August issue of THE KENTUCKY ARCHI-TECT.

This article is a great contribution toward a solution of the problem existing concerning the professional understanding between architects and engineers. I strongly feel that the professional status of architects depends upon the understanding and support of all professional engineers. Whether we like it or not, we architects, in this technological age, must rely on our engineering consultants if we expect our buildings to be mechanically, structurally and esthetically integrated into structures which our society needs and deserves.

I would suggest that you endeavor to follow this article by Bob George with a subsequent article by one of our colleagues in our architectural profession on this same subject. It is the airing publicly of these misunderstandings that will eventually culminate into an amicable relationship between the two professions.

A. B. Ryan Braun & Ryan, A.I.A.



#### U. OF K. 5-YEAR CURRICULUM UNDERWAY

Plans for implementing an entire five-year curriculum leading to the degree of bachelor of architecture are underway at the University this year.

The Fall 1963 class will have seven members in Fifth Year Design. They will receive their degrees in June, 1964.

#### NEW U. OF K. STAFF MEMBERS INCLUDE JOHN L. TAYLOR

Additional staff members have been added to the Department of Architecture at the University of Kentucky filling out the roster for the entire curriculum this year. New additions include Sheldon Feinstein, New York; Herb Greene, Norman, Oklahoma; Clyde Carpenter, Lexington; and John L. Taylor, London, England.

Biographical sketches on these men will appear from time to time in the forthcoming issues of THE KENTUCKY ARCHITECT.

This month, John L. Taylor, visiting foreign lecturer of London is our subject.

With a diploma in architecture from Leeds University in England, Mr. Taylor received his master of science degree in architecture from Columbia University. He is in this country on an Englishspeaking Union University Fellow-

1540 S. 9th St.

ship and a Fulbright Travel Scholarship.

He was elected an associate of the Royal Institute of British Architects and registered as an architect by the Architect's Registration Council of the United Kingdom.

He has worked with Erno Goldfinger, noted architect and town planning consultant in London and as architect-planner with the city planning office of the Corporation of London.

While in Leeds School of Architecture, Mr. Taylor received a number of prizes for his work, much of which was exhibited at the Institute of Landscape Architects International Exhibition in 1958 and again in 1961 with the Royal Institute of British Architects Exhibition. He was awarded the R.I.B.A. certificate of merit for the work selected for the exhibition.

He will be teaching the Fourth Year Design class and will be assisted by D. Lyle Aten, landscape architect and Richard Schubert, architect; in Planning I, Mr. Taylor will be assisted by William Wualls, director of the City-County Planning Commission in Lexington.

Mr. Taylor's wife has joined him during his stay at the University.



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#### BASIC SCHEDULE

(Continued from Page 16)

ical, or other tests when required.

The owner shall provide all legal advice and services required for the operation.

#### III. THE ARCHITECT'S SERVICES

The Architect's services include:

#### 1. PRELIMINARY SERVICES:

Consultations needed to determine the problems of the project.

Preparation of schematic drawings showing recommended solutions until an agreement on a solution is reached.

Preparation of preliminary drawings of the approved solution and outline specifications describing materials to be used.

The furnishing of preliminary estimates of cost.

#### 2. WORKING DRAWINGS AND SPECIFICATIONS:

Preparation of working drawings and specifications describing in detail the work to be done and the materials and workmanship to be used, including normal structural, plumbing, heating, electrical and other mechanical work.

Assistance in preparation of

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forms of proposal and contract documents.

#### 3. DURING EXECUTION OF WORK:

Assistance in securing proposals and in the award of contracts.

Preparation of additional large scale and full size detail drawings, as required.

General supervision of the work including necessary shop inspections and checking of samples and shop drawings submitted and made by contractors and subcontractors.

Issuance of orders for changes in the work approved by the owner.

Checking of contractors' requests for payments and the issuance of certificates for payments, including final inspection of the work prior to issuance of final certificate.

#### IV. COMPENSATION

#### 1. ON PERCENTAGE OF CONSTRUCTION COST

Compensation for the normal architectural services outlined in III above and for Reimbursements and Extra Services, as is provided in the recommended schedule of charges, applicable for the location where the project is to be constructed.

The schedules represent fair minimum rates below which complete and adequate architectural service cannot be reasonably expected.

#### 2. FEE PLUS COSTS

While the percentage method of charging for professional service is a usual procedure, the "Fee Plus Cost" system has been developed to meet special conditions of practice or individual preference. A form of Agreement, together with

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a Circular of Information describing the use of this system is issued by the American Institute of Architects for the general information of the profession and its clients.

The fee will be determined, in each case, by the type and character of the service required and the length of time and the responsibility involved. The expense involved will consist principally of that of drafting; other direct charges such as engineers, project inspector, travel and blue printing, and indirect expense such as rent, stenographers and supplies. The direct expense will be charged as incurred. The indirect expense will be covered by adding a certain percentage to the drafting expense according, in each case, to the architect's normal office experience.

The architect will be paid monthly a stated portion of his fee and reimbursement of direct and indirect expense incurred during the previous month.

#### 3. OTHER SYSTEMS

In some cases where the scope of the project and the extent of the service is well defined, or where the owner requires the assurance of a definite limit of expense of architectural and engineering services, the architect can be remunerated on the basis of an agreed lump sum to cover the architect's expense as well as his fee.

Where the project is indefinite, as to magnitude and duration, payment can be on a per-diem or hourly rate for the architect's personal service plus drafting and other expenses. It can also be on a basis of the architect's technical personnel expense multiplied by an indirect expense factor and professional fee.

In all these cases the architect's agreement with his client needs to be carefully drawn, defining the items of direct, indirect and reimbursable expense, the amount of the fee and the way in which it is paid. Monthly payments are proper for both the fee and the various expenses as they are incurred. In the case of a lump sum fee to cover the architect's ser-

(Continued on Page 20)

#### EAST KENTUCKY CHAPTER

The East Kentucky Chapter of the American Institute of Architects completed the programs for the 1962-63 year with a dinner for wives and guests at Johnny Allman's Restaurant near Boonesboro, June 21. Over forty members, wives and guests attended the affair.

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#### **BASIC SCHEDULE**

(Continued from Page 19)

vices, the scope of the project and the services required should be definitely set forth, and a provision included for an adjustment of the fee should there be material changes in the scope of the project and the services required.

#### V. COST OF THE WORK

The cost of the work as herein referred to means the final cost to the owner, but it does not include any architect's or special consultants' fees or reimbursements or special charges or the expense of a project inspector. When labor or material is furnished by the owner below its market cost the cost of the work shall be computed upon such market cost.

Estimates of cost by the architect are not to be taken as guaranteed. If an architect accepts a contract for services on a project for which there is a definite fixed limit of cost, either by the written statement of the client or due to a public appropriation, the client, whether an individual or a public agency, is entitled to expect him to make his drawings and specifications such as will permit their execution within the stated limit unless otherwise agreed in writing. If at any stage of his work the architect becomes convinced this is not possible, due to the owner's stated requirements or developing trends in building costs, or otherwise, he should immediately inform his client and seek further instructions. In signing such a contract the architect should be protected, in the terms of his agreement, against those external factors that are outside of his control.

#### VI. MISCELLANEOUS **PROVISIONS**

#### 1. OWNERSHIP OF DOCUMENTS

The drawings and specifications are instruments of service and the agreement between the owner and the architect should make clear this fact and that they are the property of the architect whether the work for which they are made be executed or not and that they are not be be used on other work except by agreement with the architect. in any written agreement, may properly bind their respective partners, successors, legal representatives and assigns to its provisions, but otherwise should not assign, sublet or transfer their interest in the agreement without the written consent of the other. sirable that it be submitted to arbitration in accordance with the Standard Form of Arbitration Procedure of the American Institute of Architects.

#### 2. SUCCESSORS & ASSIGNMENTS

The owner and the architect,

#### 3. ARBITRATION

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#### WEST KENTUCKY CHAPTER MEETING

"The Architect and the College Client" was the subject of discussion at the regular meeting of the West Kentucky Chapter, A.I.A. The meeting was held at the Brown Hotel in Louisville, and featured Mr. George Hutchinson, architect in the firm of Perkins & Will, Chicago, Illinois.

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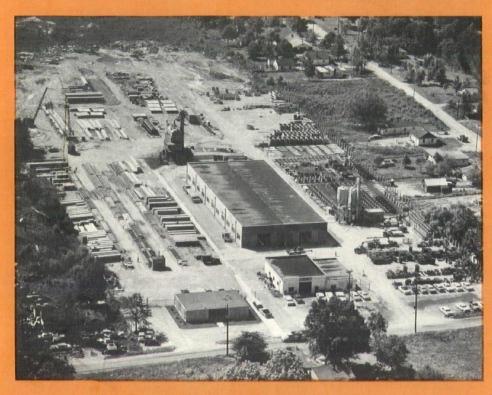
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