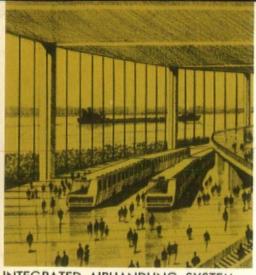
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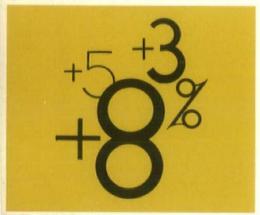
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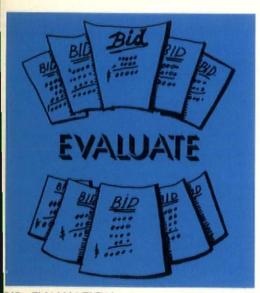
#### INTEGRATED AIRHANDLING SYSTEM.

All modern structures require an environment appropriate to their usage which includes various combinations of heating, cooling, humidification, air cleaning, and odor and fume removal, for both the comfort and health of the occupants and the community. An integrated and coordinated air system is a must in creating this environment and your Mechanical Airhandling Contractor is the group most experienced, educated and capable in producing and installing this system.



#### LESS COST

Experience has shown that usually competition makes the summation of separate bids for the various mechanical segments less than that of the combined bids.



#### **BID EVALUATION**

Airhandling systems, basically, are the lowest-cost systems to provide all the functions of which they are capable.

By accepting separate airhandling bids, you gain a more accurate method of evaluating true costs of these and other segments of the mechanical systems.



#### BID PEDDLING—BID SHOPPING

The owner receives a true and competitive price, unaffected by third party manipulations.

#### FINANCIAL INVESTMENT

The airhandling contractor is a fabricator as well as an installer and has a large and permanent investment in shop and facilities. These manufacturing facilities make possible the fabrication of a customized system and not merely an assembly of commercially available products.





### CONTRACTOR SELECTIVITY— PRE-QUALIFICATION

Separate bids afford the owner the opportunit qualify his airhandling contractor on the basi experience, organization, facilities and fina sponsibility.



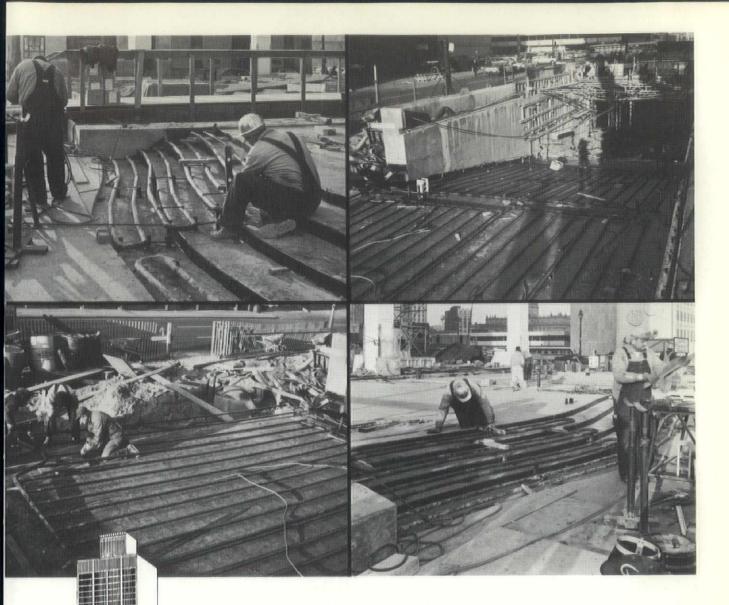
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The Airhandling Contractor produces the badrawings for coordination of the other mechan electrical trades, thus making his critical in the nation of the project.



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ARCHITECT: Howard E. DeWolf, East Lansing

new concept in "gas stations" was unveiled in East Lansing at the corner of Abbott Road and M-78. The service area is covered to protect it from inclement weather and the design and landscaping are such hat it blends into the area, unlike most stations. Spartan Asphalt put in a  $5\frac{1}{2}$ " hot mix base and a  $1\frac{1}{2}$ " vearing course for this unique University Standard Service Center. You, too, can be assured of quality work when you call in a prequalified MAPA contractor.



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### **EDITORIAL**



Governor William G. Milliken

I am very pleased, through this editorial, to be able to address the members of the architectural profession in Michigan and also public officials who oversee the expenditure of public capital outlay funds for the expansion, replacement or improvement of publicly owned physical plants.

The expenditure of such funds, constituting one of the highest responsibilities of public service, is and always must be based on a deliberative process.

Added public capital outlay usually means added services.

It also means increased annual operating costs while added capital outlay for private purposes can mean greater capacity and potentially more profit.

For this reason, public officials must always be assured of the need and the cost, both direct and indirect, before making commitments for added capital investments. The "why," "what" and the "how much" must be thoroughly known and weighed.

If expenditures of public funds for capital outlay are to be accomplished in the best interest of the taxpayer and citizens, it is both prudent and productive early in the deliberative process to enlist those professionals specifically qualified and recognized by training and law to counsel on and provide such services.

Michigan has an excellent resource of highly competent architects who can fill these needs, architects who practice individually or collectively.

I know that many of the firms, large and small, are nationally and internationally distinguished. They are the equal to any anywhere and the talent and success are surpassed by none.

State government, which makes good use of this resource early in the deliberating process, has never competed with that resource as is done in many of the bureaus of the federal government and in some states. The enviable success of Michigan's building programs can largely be attributed to that policy.

Through the use of the private practitioner there exists an advantageous "built-in competition" for projects. Such competition results in better design, more efficient function, always with the newest, most up-to-date materials and systems, and therefore consistently lower cost than is

obtained by others through different methods.

State government annually contracts with about 35 large and small firms for various services. Architects are paid a standard uniform fee rate for the services performed, a rate based on a logarithmic formula that varies inversely with the cost of construction of the project. The present formula has been in use since 1958 and the principle is now being widely used elsewhere. Considerations are being given now to adjust the formula so that it will more appropriately reflect project complexities as well as cost and so that it will be more consistent with the recommended minimum fee rates of the Michigan Society of Architects.

The physical plant in which the State of Michigan conducts certain of its educational, corrective, penal or public welfare and health services, is valued at more than 2½ bil-

lion dollars.

In addition, several millions of dollars are expended annually from the general fund for capital outlay. Millions more come from federal and private philanthropic grants and revenue derived from the sale of bonds. Expenditures from the general fund alone ranged from a high of about 80 million dollars for fiscal year 1968-69 to a low of about 40 million dollars for the current fiscal year.

Michigan's system of providing authorizations and appropriations for capital outlay is unique — and enviable too. Enviable, I believe, because it is accomplished in an orderly and professional manner consistent with the principles of good planning laid down by the architectural profession and with sound business principles which limit expenditures to a "pay as you go" schedule. These principles recognize revenue and other State needs.

Much of the success of the States' building program is due to the fact that both the Executive and Legislative branches of government seek continually to plan ahead through early study and projection of its needs. Because of this procedure, there are always more than 1,000 approved open work order accounts, meaning that state government is "studying" or "doing" continuously more than

1,000 work projects.

The total cost of all projects is estimated at ½ billion dollars. About 200 million dollars are in projects in the final planning and construction stage. No project reaches this stage unless the need, cost estimate, scope or intent have been thoroughly studied and analyzed by both the Executive and Legislative branches of government.

For most projects such analysis requires part or most of a fiscal year and funds are made available annually for these purposes. Therefore, before commitment for final planning and construction for any major project, both the Executive and Legislative branches have had the time and the opportunity to consider its needs and the short term as well as long term costs. There are several reasons for Michigan's success in its capital outlay investments. One of these is because the State plans ahead and partially appropriates by project and schedules the necessary funds for a building program long before construction is authorized. Another is because we have a very competent Building Division in the Bureau of the Budget of the Executive Office staffed with knowledgable, highly trained and experienced personnel in building design, construction and finance. They successfully administer and integrate the physical as well as the financial schedules to ensure success. That Division, which includes State government's chief architect, chief engineer, chief planner and State budget director for capital outlay, serves as the main professional advisor on capital outlay to the Executive and Legislative branches.

Michigan's building programs of the past have been well organized, planned and accomplished. I suggest, however, that both the government and the profession prepare themselves for an unprecedented avalanche of building con-

struction.

The building industry is most sensitive, almost seismographically sensitive, to economic conditions. It is usually the first to fall and the last to rise, but it is vitally important. Inevitable peace and prosperity will bring with it the desire, the impetus and the dollars to fulfill the needs for a new and better environment worthy of our capacity and culture.

Architecture, which is and will be the primary profession involved with all of this, has become one of our most comprehensive and complex professions. It is a comprehensive profession because it creates for every stage of man's development and condition the physical environment of use, order and beauty through design, economics,

technology and management.

Architecture is a complex profession because it requires a sensitivity to the wide range of human needs and aspirations and an imaginative response to the social and political evolution, the economic and organizational changes and to the technical development of materials and methods best suited for human use and purpose.

I am sure the future will, more than ever before, challenge the capabilities and competence of the architectural profession. I have long been more than casually interested in and intrigued with the profession of architecture and

I have great confidence in it.

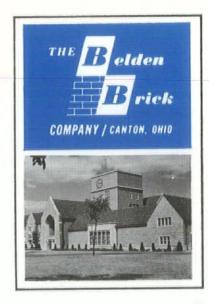
Because there is need for more architects with even more and better training than in the past, I recommended for the 1969-70 fiscal year that funds be released for preliminary plans for new facilities for the College of Architecture and Design at the University of Michigan.

Additional funds were appropriated for fiscal year 1970-71 for the complete planning of the project. The Legislature concurred in this recommendation. It is hoped that the current economic conditions will soon improve so that when those planning documents have been prepared, this much needed facility estimated to cost \$8.5 million can be under construction.

There is a vitally important job ahead for the profession of architecture. State government, I believe, is doing its share to prepare for it.

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# NEWS

Landscape Curricula Study Started

Professor Myles G. Boylan, director of Michigan State University's School of Urban Planning and Landscape Architecture, has been selected to lead a national study of curricula standards by the American Society of Landscape Architects.

As chairman of the society's Committee on Education Policies and Planning, Professor Boylan will examine the relationship of landscape architecture to present society and help determine how that relationship can best be reflected in educational programs.

The committee will primarily study the society's current accreditation policies to see if they meet today's specific problems and those of the future.

Professor Boylan recently served on the Department of Housing and Urban Development's Design Awards Jury in Washington, D.C.

#### Elects Officers

At the conclusion of the current year's activities, five officers were elected to serve during the new business year of the Michigan Chapter of the Producer's Council, Inc.

Elected as President is Paul Boudreau of Executone-Detroit, Inc., formerly First Vice President, First Vice President, Frank Neal of Honeywell,

Inc., Second Vice President, Adam DeMartino of Michigan Consolidated Gas Co., Treasurer, Tom Brance of Armstrong Cork Co. and Secretary, Jim DeGroot of Jed Products Co.

The Producer's Council consists of representatives of Quality Building Products Manufacturers and is affiliated with the American Institute of Architects. The Council presents display meetings, seminars, traveling exhibits, and educational programs aimed at presenting new products and construction developments.

#### 10 September 1970 Dear Fellow Architect:

The Department of Defense (DOD) recently initiated, for test purposes, a new method of selecting architects and engineers. The new DOD selection process requires prequalified architects and engineers to submit priced technical design proposals prior to being selected for a particular job. A DOD press release explaining the scope and details of the procedure is

Representatives of the AIA and several engineering societies have advised the Defense Department that it is not in the government's interest to select architects and engineers on the basis of priced technical design proposals. A press release stating the



(left to right) First Vice President, Frank Neal of Honeywell, Inc., President Paul Boudreau of Executone-Detroit, Secretary, Jim DeGroot of Jed Products Co., and Second Vice President, Adam DeMartino of Michigan Consolidated Gas Co. (Not pictured is Treasurer, Tom Branch of Armstrong Cork Co.).



viewpoint of the professional societies is also attached.

The AIA believes that to require architects and engineers to submit proposed design solutions in order to be considered for Federal work is an unfair burden on the design professional. We contend that it is unreasonable to expect an architect or engineer to perform a substantial amount of his work without remuneration simply on the chance that he may get a job. We point out that a design concept is an integral part of the total building solution arrived at only after careful study, programming and analysis. To require sketches of proposed design solutions from architects and engineers before a detailed program is agreed upon by the client and the design professional is to ask for solutions based on insufficient information. To comply with such a procedure is unfair to the client and contrary to standards of practice which have been developed over many years to serve the best interests of the client and the public.

Furthermore, we are convinced that to require price competition for architectural and engineering services will invariably result in the cost of these services becoming the dominant factor in the selection process. Since lower prices come from lower levels of service, we believe the client, in this case the

Federal Government representing the public, will be the ultimate loser. We are also convinced that coupling the preparation of a technical proposal with an estimate of the cost of design services will result in an overall increase in the cost of professional services.

As a result of our careful study of this matter, we believe that members of The American Institute of Architects should seriously consider the damaging implications of participating in what we believe to be an illconceived new method of procuring professional design services. Sincerely yours,

Rex Whitaker Allen

#### Ceramic Tile Contractors Form Panel

The Great Lakes Ceramic Tile Council has initiated a new service for architects and builders who are writing specifications which involve ceramic tile.

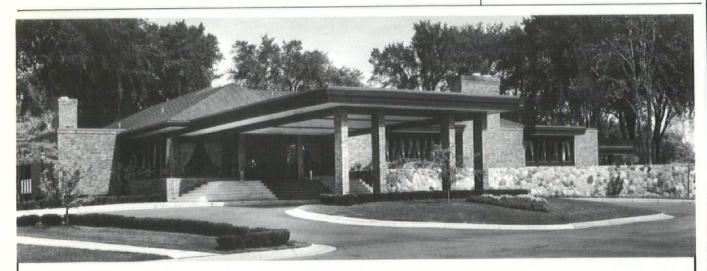
Telephone the Council office, (313) 353-5547, where the inquirer will be put in contact with a knowledgeable panel of ceramic tile contractors and industry representatives-able to answer any questions or furnish information on new products and installation techniques.

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. . . . . . from the MSA By-Laws adopted in April 1967





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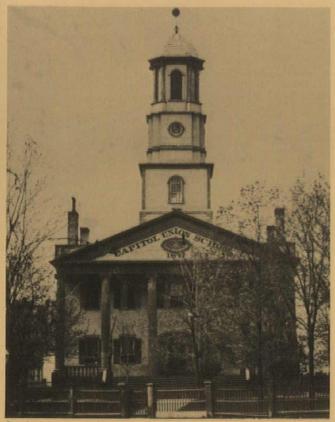
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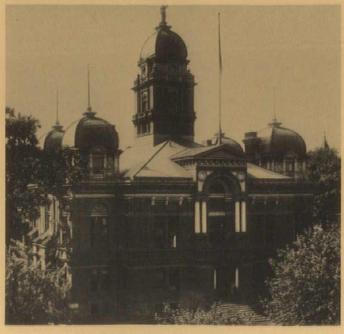


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FLINT (Area Code 313)	
Allen, Donovan W & Assoc., Arch., Inc.,	
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Nurmi, Nelson, McKinley, Assoc., Inc., 415 Lewis St., 48503	234-3864
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3111 Corunna Rd., 48503	234-5014
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Tomblinson, Harburn & Associates, Arch., Inc., 705 Kelso, 48506	767-5600
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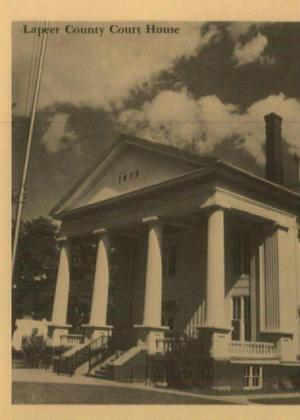
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Firant, Edgar & Co., Inc.,
353 Atlas Ave., S.E., 49506
Gaastra, Jan T., AIA, 1424 Lake, S.E., 48506 459-5850 Haveman, James K. Arch.,
618 Trust Bldg., 49502 451-0661
McMillen/Palmer & Assoc., 1424 Lake Dr., S.E., 49506
Obryon & Nachtegall, Inc., 201 Monroe Ave., N.W., 49502
Reid Robert A AIA Arch
Reid, Robert A., AIA, Arch., 2218 Wealthy, S.E., 48506
Robinson, Campau & Crowe, Inc., 738 Trust Bldg., 49502
Steenwyk-Thrall, Inc.,
126 Ottawa Ave., N.W., 49502
547 Cherry St., S.É., 49502 241-3481
Wold, Bowers, DeShane & Covert, 345 State St., S.E., 49502
GROSSE POINTE (Area Code 313)
William Kessler & Assoc., Inc.,
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Raseman, Richard P., (E), Box 8, 724-6245
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JACKSON (Area Code 517)
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Lowden, Reed, AIA, 330 West Franklin St., 49201
Commercial Exchange Bldg., 49201 782-7378 Snyder, George E. Assoc., Inc.,
714 W. Michigan Ave., 49201 784-7195
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Midland County Court House



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Stapert, Pratt & Sprau, Inc.,
410 W. Walnut St., 49001
Stone, William, Architect,
808 Kalamazoo Bldg., 49006
Trend Associates, Inc., 4502 W. Main, 49007
LANSING (Area Code 517)

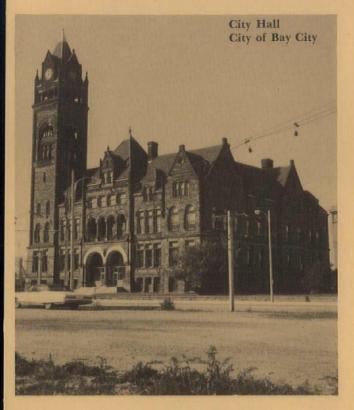
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Black, Kenneth C., Assoc., Inc.,	
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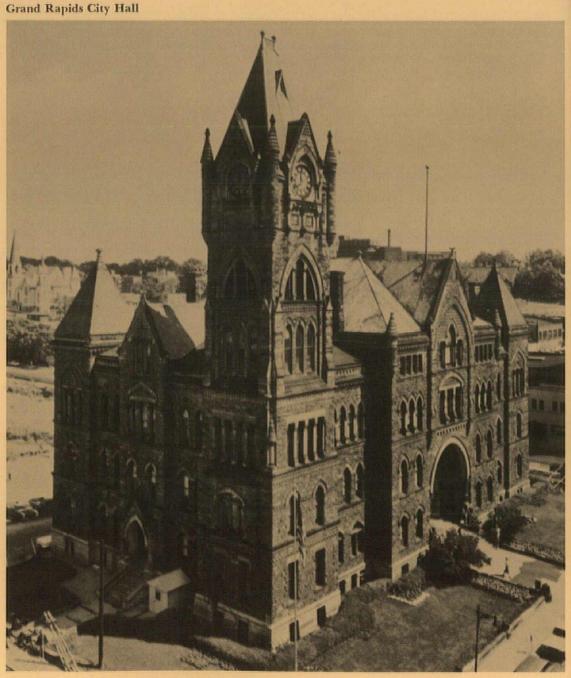


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Savage, Gilbert W., Architects,		
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Smith-Gardner Arch.,		
17356 Northland Park Ct., 48075	358-2111	
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148 E. Front St., 49684	946-7116	
Stiffler, David L., 300 Grandview Parkway, 49684	946-7858	
TROY (Area Code 313)		
TAOT (Men code 515)		
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Straub, Van Dine & Associates, Architects,				
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Yamasaki, Minoru & Assoc., Inc.,				
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Ellis/Naeyaert Assoc., Inc	100			
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### Michigan State Board of Registration for Architects

The Michigan State Board of Registration for Architects announces the following dates for the achitectural state board examinations:

Architect Examinations will be held in only three locations:

Detroit, Houghton, and Grand Rapids: Tuesday, Dec. 15, 1970, Architects, Exam C, History and Theory of Arch. (4 hrs.) 8 am to 12 noon; Tuesday, December 15, 1970, Architects, Exam I, Building Equipment, (4 hrs.) 1 pm to 5 pm; Wednesday, Dec. 16, 1970, Architects, Exam F, Building Construction, (3 hrs.), 8 am to 11 am; Wednesday, Dec. 16, 1970, Architects, Exam G, Structural Design, (5 hrs.) 12 noon to 5 pm; Thursday, Dec. 17, 1970, Architects, Exam H., Prof. Administration, (3 hrs.) 8 am to 11 am; Thursday, December 17, 1970, Architects, Exam D, Site Planning, (5 hrs.) 12 noon to 5 pm; Friday, Dec. 18, 1970, Architects, Exam E, Architectural Design (12 hrs.), starting at 8 am.

Please note: In Detroit examinations C, I, F, G, H and D, will be held at the Rackham Building in Detroit, Examination E, Design, will be held at the University of Detroit. All parts of the architect examination will also be held in Houghton at the Michigan Technological University and in Grand Rapids.

All applications must be in the State Board office by October 15, 1970. No applications can be accepted after this date. All applications must be signed and notarized on the back page or they cannot be accepted. The \$30.00 application fee for architect examinations must accompany all applications submitted to this State Board.

All supplements must be in the State Board office by October 15, 1970, for applicants who have passed the architect examination G, Structural, and wish to bring their experience records up-to-date for the remaining parts of the examination. There is no fee due with the supplement providing the applicant has passed examination G, structural. The fee for reexamination is \$20.00.

Where the applicant has attended a technical school, college, or university, he will request the Registrar to mail directly to this State Board, a complete transcript of his scholastic record, showing degree and giving grades received in various subjects and signed by the proper official. (This is required even though applicant has graduated.)

Architectural Examinations (No Books of Reference Permitted Except on Examination G—Structural). Starting with the June, 1960, examination, all Architectural candidates must pass a 36-hour written examination. The examination will cover the following: Examination C, History & Theory of Architecture (Formerly Part VII), 4 hours; Examination D Site Planning (Formerly Part II) 5 hours; Examination E Architectural Design (Formerly Part III) 12 hours; Examination F Building Construction (Formerly Part V) 3 hours; Examination G Structural Design (Formerly Part IV) 5 hours; Examination H Professional Administration (Formerly Part VI) 3 hours; Examination I Building Equipment (Formerly Part I) 4 hours.

Examinations C, F, G, H & I are multiple choice type

questions.

The next scheduled architect examination after the December, 1970, examination, will be held in June, 1971, and April 1, 1971, will be the deadline for acceptance of new applications or supplements.

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# Albert Kahn 75th Anniversary



Sol King, FAIA President and Director of Architecture

The following article appeared in the March 30, 1943 issue of the Weekly Bulletin of the Michigan Society of Architects, an Albert Kahn Memorial Issue.

We reprint it here on the occasion of the celebration of the 75th Anniversary of the founding of the Albert Kahn Firm.

"A. K."

The lead editorial in the Grand Rapids Press, Dec. 9, 1942, by Roger Allen, A.I.A.

When on an evening last June the members of the American Institute of Architects gathered in the ballroom of a Detroit hotel to witness the presentation of the coveted special medal of the Institute to Albert Kahn, the scene had an unscheduled picturesqueness. It was the night of a practice blackout, and as the guest of honor rose to speak every light in the hall was extinguished with the sole exception of a single lamp on the table before him.

"It is an odd thing, and symbolic of our time perhaps," said one of the speakers later, "that tonight the man who did more than any other man in the world to bring light to the factories of the world should receive the homage of his colleagues by the flickering light of a single lamp. But blackouts pass; the art of Albert Kahn remains."

Albert Kahn died suddenly Tuesday. His fellow architects will share their sense of loss not only with the leading industrialists of the world but with workmen in thousands of plants, of which Willow Run is only the last and largest of a long list, who work today in well lighted, convenient and superbly efficient environments because of the work of one of the most talented and brilliant designers the world has ever known.

The "daylight factory" is Albert Kahn's monument. He pioneered the use of reinforced concrete building; our own Press building was the first large building erected in the United States with a complete structural frame of reinforced concrete and Albert Kahn designed it. With his brother, the late Julius Kahn, he established the first

reliable load tables on which the whole vast present-day science of monolithic concrete design rests; he was the first to use vast areas of the new steel sash to throw floods of light into factory interiors; he struck to the heart of industrial design when he saw that the building was merely the skin to house the function performed within the building. His buildings were designed from the inside out; in the phrase that Louis Sullivan preached to an earlier America, "form follows function."

Stalingrad still stands today because of men fighting with guns and tanks and planes that rolled in an endless stream from plants that Albert Kahn showed the Soviets how to build. With a crew of 400 American architects and engineers he taught the Russian technicians to implant a new world efficiency of production into Muscovite peasantry.

The career of A. K., as his colleagues always called him, is another American answer to the nonsensical claptrap against democracy and the melting pot mouthed by Hitler and his creatures. The little immigrant boy, discharged from his first office job because his clothes were too redolent of the stable where he tended horses to get money to continue his education, went on to another job as office boy to George D. Mason, now in his eighties the dean of Detroit architects. Mason found him one day crying in the plan vault because, as the young Albert declared, "I'll never be an architect." He was wrong about that. He went on to win a scholarship that brought him two years of European study, then back in America he started a career which proved all over again that in this country any man with something real and vital to contribute to his generation will have the opportunity to make that contribution.

Michigan can be proud of this man who found the typical factory an ill-lighted, dangerous and inefficient barn and left it a sleek, well lighted, sanitary and air conditioned machine. This, in essence, was his unique contribution: the theory that a building is a machine to produce other machines. But he never became a machine himself, and in a thousand drafting rooms yesterday men laid down their pencils and knew that something vital and warmly human had gone out of American architecture.



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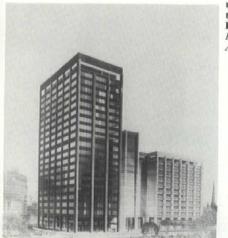
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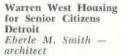


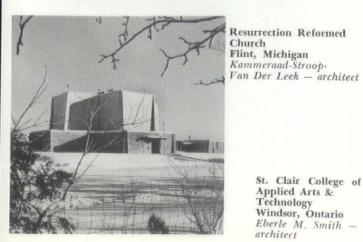


rendering of 10 story downtown office tower Detroit Louis G. Redstone architect



rendering of 21 story tower addition to Detroit Trade Center Kenneth Drake Associates - architect



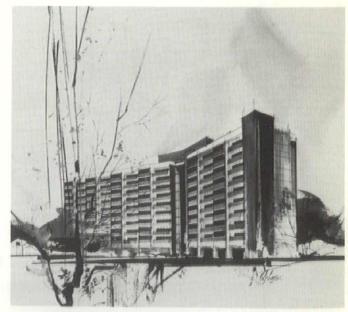


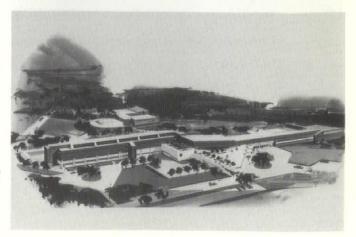
St. Clair College of Applied Arts & Technology Windsor, Ontario Eberle M. Smith architect

# Michigan Builds . . .

New Projects pictured on the following pages have been supplied to us over a period of several months and are only a few of the many new projects now under construction.

Your contributions to this contining feature are encouraged.





Finney Jr.-Sr. High School expansion Detroit Eberle M. Smith architect

Oakland County Law Enforcement Complex Pontiac, Michigan Giffels & Rossetti, Inc. – architect

rendering of new
Temple Beth El
Bloomfield Township
M. Yamasaki — architect

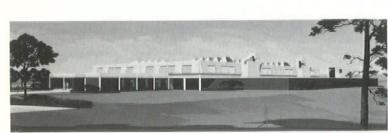
Bohn Aluminum & Brass Company — Plant #16 Gulf & Western Products Company Holland, Michigan Kammeraad-Stroop-Van Der Leek — architect

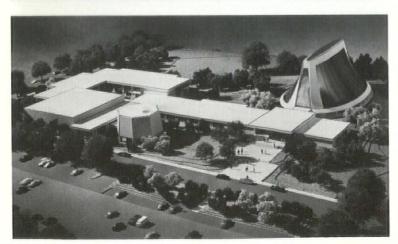
Ashley H. Clague Jr. High School Ann Arbor Eberle M. Smith architect

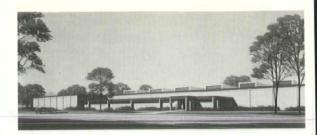
(rendering) Foreign Language & Speech Classroom building Wayne State University — Detroit Jickling & Lyman architect

Foreign Language & Speech Classroom building Wayne State University — Detroit Jickling & Lyman — architect

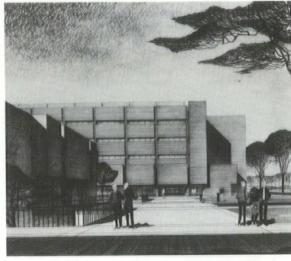


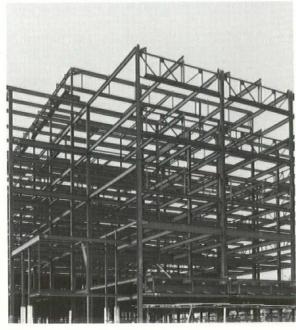








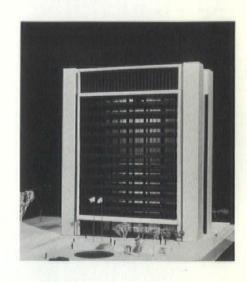










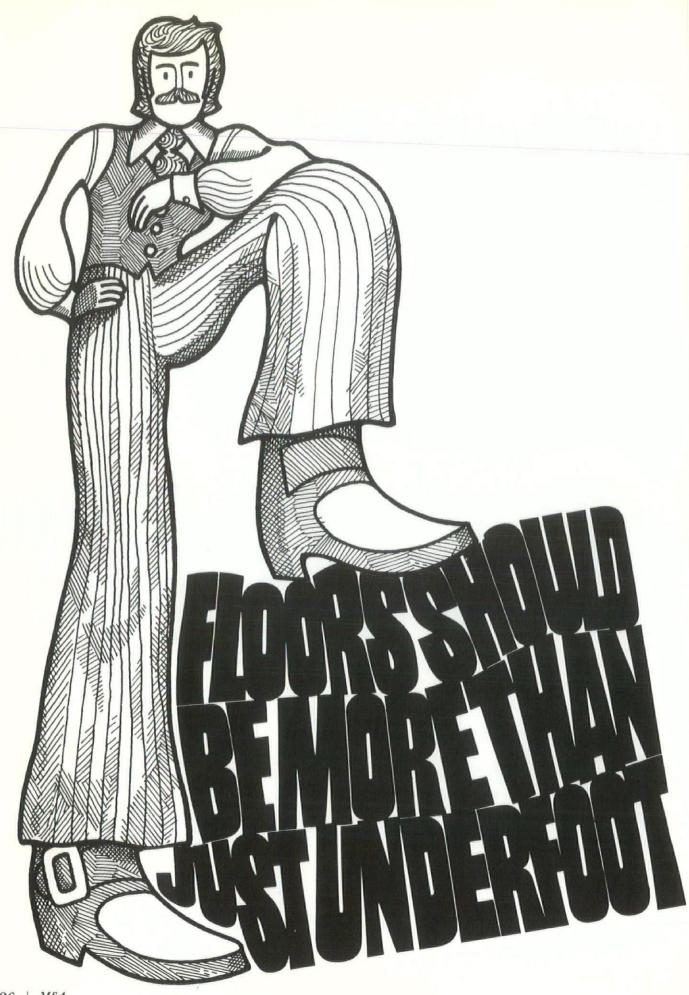


Interior Christ Memorial Reformed Church Kammeraad-Stroop-Van Der Leek — architect

10 story office tower Detroit Louis G. Redstone architect

First Michigan Bank & Trust Company East Town Office Holland, Michigan Kammeraad-Stroop-Van Der Leek — architect

Security Bank & Trust Company Lincoln Park, Michigan Eberle M. Smith — architect



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#### CALENDAR

#### 1970-1971

October 21 — Detroit Chapter Annual Meeting and Election of Officers: Founders' Room — ESD

October 31 — MSA-Continuing Education Program — Hospitality Motor Inn — Lansing, Michigan

November 1, 2, 3 — 7th Annual Architect-Researchers Conference of the AIA — Cincinnati, Ohio — Stouffers Cincinnati Inn

November 4-8 — National Trust for Historic Preservation in the U.S. — 24th Annual Meeting "Preservation in Our Changing Cities" — Charleston, South Carolina

November 12 — Detroit Chapter Honor Awards Program — Patrick Horsbrugh — Sheraton-Cadillac Hotel 1971, June 20-24 — National AIA Convention — Detroit

#### WALD Calendar 1970-1971

October 20—Tea and Wig Demonstration November 17—Pottery tour—John Glick Studio Farmington, Michigan

December 15—Christmas Party with Boutique January 19—Art Institute—Michigan Artists February 16—London Art Studio Tour and Lunch March 16—Art Institute April 20—Tour Detroit Art Galleries May 18—Art Institute Mrs. Norman Skruch (Carol) will be acting President for

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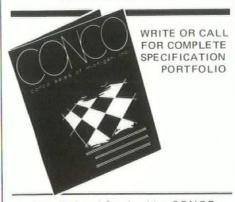
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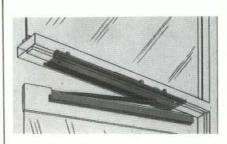
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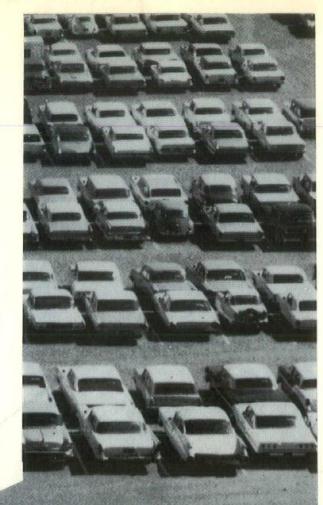


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