DETOUR CHAPTER HEARS JAMES EDMUNDS

James R. Edmunds, Jr., FAIA, President of The American Institute of Architects, was Guest of Honor and speaker at a meeting of the Detroit Chapter, AIA, in the Rackham Building, Detroit, on the evening of January 23. Wells I. Bennett, Chapter President, presided. President Bennett stated that Chapter business would be dispensed with in deference to the distinguished guests. He first called upon Mr. Eliel Saarinen, FAIA, who was at the speaker's table, to rise and take a bow, in recognition of the recent announcement that The Institute would present its Gold Medal, its highest honor, to him at the next Convention.

Dean Bennett then called upon Brandon V. Gamber, PAIA, State Association Director of the Institute, to introduce the speaker. Gamber paid high tribute to Mr. Edmunds for the service he had rendered the Institute during his two terms as President, for the prestige he had brought to the profession and for "his rare and unique ability to get things done."

MR. EDMUNDS' ADDRESS

During the whole of the last year the architects and the rest of the building industry have been working against a background of irritation, discouragement, and frustration. Fortunately, that background has begun to recede, but, even in a climate of decontrol we are still controlled. An impatient public must be made to realize how hard we have been working, how much we have accomplished, and at the same time how much we have been forced to dissipate our effort in makeshift expedients to overcome annoying difficulties of the moment which are not of our creation. The public and the Government must be told plainly that we see no hope of regaining our customary efficiency until the construction industry is once again a free agent.

It is high time that we laid our plans for setting things to rights. The need for construction of all kinds is imperative. Living structures are needed—houses, apartments, hotels. Working facilities are needed—factories, office buildings, and commercial enterprises. Spiritual structures are needed—churches and synagogues. Structures to care for the health of the country—hospitals and sanitariums. Educational facilities—schools and colleges—and even recreational facilities must not be forgotten. All of these, and many more, must be planned and built before it can be said that the country has returned to a normal condition. Not only are buildings themselves needed, but also the facilities and utilities that will enable them to function. Public works, ranging from water and sewer connections up to such great undertakings as power plants, dams, bridges and flood control devices, are needed. Highways must be built to interrelate the projects and the communities.

The demands of the nation are almost too great to comprehend, and there is no need to tell you that we are not getting these things. You also know that even the promise of getting them is pitiful. There are some people who look to the actual construction in progress and the number of men at work with a sense of specious pride and false encouragement. We know that the tangible results are woefully short as compared with the need. Such construction as is in progress goes along haltingly, timidly, and uncertainly.

We know also that within the private building industry itself there lies the genius and ability to meet the situation and to solve the problem. We know that we are capable of operating a construction program that will lead us back to a smooth-running, efficient, self-adjusting economy, but we know equally well that the American construction industry cannot operate under the sort of regulated economy that has been forced upon us since the shooting war was over. It has been well demonstrated that it is impossible to operate under directives, restrictions, and limitations—even though these be imposed with good intentions.

The construction industry has been attacked with a sort of creeping paralysis that has come, not from within the industry but from without, and has been brought upon us against our advice and judgment. Obviously, until there is a smooth flow of materials and equipment, our sufferings will continue. The time consumed to complete jobs today is not only abnormal, but disastrous. This is

Office Space Available

Architect will share office space with other architect or engineer. New office on James Couzens Highway. Total suite consists of three rooms, 500 square feet, with drafting room for five tables. Available now. Telephone Vermont 6-4600.
just one of the factors which prevents ef-
icient scheduling of the work of con-
tractors and sub-contractors. Another is
the excessive cost of critical items and the
virtual impossibility of obtaining them.
We must, therefore, straightway demand
and secure a quick and smooth flow of
construction materials and equipment.
We said these same things a year ago
and we still have to say them. At this
time last year, we were led to believe that
all emergency restrictions on building
would be a thing of the past by now.
We had every reason to believe, then, that by
time inventories of construction mate-
rials and equipment would be sufficiently
built up to insure their smooth flow to the
site. We were led to believe at that time
that satisfactory price adjustments would
be made, and, we even had hope that
price controls soon would be entirely re-
moved. We recognized the difficulty of
attempting to classify construction work
in various categories of essentiality, and
made plain to the authorities what the
difficulties would be. We urged that the
wartime requirements of permits for
construction and maintenance work should
be permanently discarded.
Although this past year has demons-
trated the rightness of our thinking, un-
fortunately our recommendations were
not adopted. Instead, overwhelmed by the
urgent need of housing for returning vet-
erans, the Government reimposed the war-
time permit system, continued the en-
forced price controls and undertook to
channel building materials and equipment
to housing for veterans. It sought such
devices as subsidies to stimulate produc-
tion of materials—again against the advice
of the construction industry. That the in-
dustry was right is proved by the fact
that only about 10 per cent of the amount
requested for subsidies has been used or
committed by those who insisted on it.
They called the subsidy plan the "very
heart" of their program, which goes to
show how wrong inexperienced men in
Government can be.
Today, while price controls on building
materials have been removed, we still find
ourselves hamstrung by priorities, allocat-
ions, and permits to build and by Gov-
ernment pricing of new residential build-
ings. We cannot see that the mediums
and devices that are employed have succeeded
in producing the promised volume of hous-
ing construction. So, not only do we not
have the housing, but other much needed
construction, both private and public, looks
forward from an unstable present to an
uncertain future.
We can honestly state that the con-
struction industry has made every attempt
to cooperate with the Government. His-
torians in the future will probably analyze
the situation and determine the reasons
for the failure of the construction pro-
gram, but I venture to state that among
the reasons will be cited the absolute im-
practicability of directing, from the
Capital City, the thousands and thousands
of decisions which must be made daily by
hundreds of thousands of people in thou-
sands of communities, large and small,
throughout the country, who are charged
with operating a vast, decentralized and
essentially local activity. The system of
directives, as administered, has demons-
trated its own inability to master the
situation.
Today this inherent inability of a planned
economy to furnish the facilities so vitally
needed to make up for war deprivations has
become clearly apparent to all. The
time is ripe for a fundamental change in
our thinking. The country is ready for
new leadership.
I propose that the entire construction in-
dustry—architects, contractors, manufact-
urers, distributors, and all—adopt a de-
finite, specific, integrated program leading
to prompt and substantial expansion of the
volume of construction as measured on the
site, and not in statistics and plans.
It was my privilege to present such a pro-
togram to the Construction Industry Ad-
visory Council in Washington a few weeks
ago and I repeat it here. This program
has seven points.
Point Number 1 is that we do all in our
power, individually and collectively, to
free the market of all restrictions and to
demonstrate that we can meet the housing
and other needs of the country without
wartime permits, price limitations, allo-
cations, and subsidies. The need for shel-
ter is so basic to human welfare that it
must take high precedence in our activities.
Point Number 2 calls for the active and
whole-hearted cooperation of manufac-

O. W. BURKE CO.
GENERAL CONTRACTOR
FISHER BUILDING
Madison 0810 Detroit, Mich.

DARIN and ARMSTRONG
Incorporated
GENERAL CONTRACTORS
2011 FENKELL AVENUE DETROIT

H. H. Dickinson Co.
COMPLETE BUILDERS SUPPLIES
5785 Hamilton Avenue Madison 4950

Colorful Brick
For Permanence
Tile For Beauty
and Economy

Belden-Stark
Brick Co.
14305 Livernois Detroit 4
HOGarth 1331 - 1332 - 1333

Murray W. Sales & Co.
Wholesale
PLUMBING and HEATING SUPPLIES
801 W. Baltimore Madison 4200

Turner-Brooks, Inc.
Floor Covering Contractors
All Types Floor, Wall and Ceilings

DETOII ALLIANCE BRICK CO.
Ohio Face Brick
12320 Hamilton Ave. TO. 89600

Contract NOW for 1947
WESTINGHOUSE
AIR CONDITIONING
&
INDUSTRIAL REFRIGERATION

YORK-HEAT
Heavy Duty
OIL BURNERS

HIGH & LOW PRESSURE
BOILER - BURNER UNITS

Mechanical Heat & Cold, Inc

12320 Hamilton Ave. TO. 89600
Careful planning results in ideal illumination in the Taft School of Ferndale (Michigan). Twelve luminaires are used in this sight-saving classroom, producing forty foot-candles for students with sub-normal vision.

**AN AXIOM FOR ARCHITECTS**

Good lighting is essential to good schooling. That's why modern classroom lighting is carefully planned to provide the best possible aid to study. Every effort is made to keep that lighting at top efficiency, because educators—as well as architects and engineers—know that good marks and good eyesight depend on it.

Your specifications for schoolrooms should include luminaires that are easy on the eyes . . . that afford high levels of illumination without distracting or harmful glare. The Lighting Division of the Detroit Edison Company will be glad to assist you in your plans. Just get in touch with your nearest Edison office.

_The DETROIT EDISON Co._
Measure Number 3 is Government cooperation with the construction industry in setting up, under impartial and disinterested non-Governmental auspices, a research activity which will ensure that construction will be in the forefront of progressive American industry. If we are not careful, research in other countries will outstrip ours, and we are firmly of the opinion that we should be in the forefront, and not continually seeking to learn what the other person has done and then endeavoring to catch up with him.

Measure Number 4, which the Government has already undertaken but which could be enlarged and stimulated, is the advance planning of needed public works and the correlation of that planning between Federal, State and local Governments. The construction industry and the States and communities which are responsible for the largest amount of public works planning can well cooperate with the Federal Works Agency in its program.

Measure Number 5 would be for the Government, in cooperation with the industry and the States and communities, to encourage the modernization of building codes. The National Bureau of Standards is carrying on very helpful work in this field. More can be done both by the Government and by communities which must adopt and administer these codes.

Measure Number 6 would be for the Government, in cooperation with labor, management, and the communities, to stimulate the training of skilled workers for construction. If the industry is not careful, a shortage of skilled on site labor will be our next bottleneck. The Apprenticeship Training Service in the Department of Labor is making a constructive contribution to this program.

Measure Number 7 would be an overall policy toward the recapture of an economy which obeys the law of supply and demand, which operates on the firm basis of a free market with high productivity and employment.

These are the things I think we should do, and what we should recommend the Government should do. It is not beyond the realm of possibility for the various groups in the construction industry to agree among themselves and to implement these suggestions and recommendations. Further, it is not beyond the realm of possibility for the construction industry and the Government to agree upon these measures. Perhaps one fault in recent years has been that too often we have not considered policies or propositions until they have been brought out by Congress. This failure has perhaps thrown an unusual burden upon Congress itself. Would it not be better if the industry and the Government could arrive at a constructive program and could determine upon constructive policies before these programs or policies find shape in bills? Then, the burden on Congress would be lessened, and objectives would be achieved more readily and more efficiently.

(Concluded on Page 6)
turers and distributors to get materials and equipment as rapidly as possible to the sites where they can be used most effectively.

Point Number 3 calls for the cooperation of the financial institutions to the end of starting the immediate construction of those rental dwelling units so badly needed by both veterans and others.

Point Number 4 calls for the cooperation of the design elements—and of contractors and workers. The consumer must be assured that he will receive full value for the money he spends. This means a full day's work for a full day's pay. Labor must be brought to realize that restricting its own productivity will, in the long run, result in less rather than more employment.

Point Number 5 calls for the cooperation of all the elements in the industry. We must continually study to improve our product, and to advance the art of construction, and if possible to reduce the cost to the consumer. This means research.

Point Number 6 also calls for the cooperation of all the groups in the industry. Building codes must be revised and modernized so that the consumer may be assured of the availability of new methods and new materials.

Point Number 7 calls again for the cooperation of all of us. Opportunity for young men must be assured in all branches of the construction industry. This means a well conceived and properly executed training program.

I recommend that all of us give serious consideration to this seven-point program. If we adopt it and give it our active and continuing support, I am convinced that our industry will be started on a dynamic demonstration of the ability of free men, unfettered by directives and restrictions, to satisfy the needs of the nation rapidly and comprehensively. The willingness and ability of free industry to put first things first has been demonstrated throughout the history of our nation; it can be demonstrated again.

And now, before I close, I should like to say a few words about the place of Government, and particularly the Federal Government, in our complex contemporary civilization. We have been suffering from too much Government; let us be careful, in our attempts to regain our independence, not to let the pendulum swing too far in the opposite direction.

The construction industry is face to face with the biggest challenge in its history. We cannot afford to fail. If we should fail, the consequences of that failure would affect not only ourselves, but also the welfare of the American people as a whole. We must not, in our revulsion from too much control, reject or neglect the legitimate cooperation which a well administered Government can and should offer.

So now, in turn, I am going to suggest some measures for the consideration of our Government. These measures I believe go to the heart of our problem, and should enable us to lay the foundation with the Government for a program that will place our economy in a satisfactory position.

The Number 1 measure suggested to the Government is that it provide the industry and the public with basic facts on construction operation in all fields. The Department of Commerce has already made a notable start along this line, and we believe that that Department can continue to augment its effort, and this may be done in conjunction with other interested Government and non-Government agencies. What we need is a central fact-finding body, unbiased and objective in its thinking, which will keep us informed of current trends. This is surely a proper Government activity.

Measure Number 2 is a strong recommendation to the Government not to merge in a permanent NHA the various federal housing agencies, but to coordinate their activities in what might be called a Board of Housing Strategy. This Board, consisting of heads of all Federal agencies concerned with housing and with housing finance, would have advisory powers only. Such a plan would prevent duplication of effort without subordinating one purpose to another. Constructive assistance should be given to cities with their problems of slum clearance and urban redevelopment.

Gas is best
FOR DEEP-FRIED FOODS

When the deep fat is at just the right temperature, deep-fried foods come out cooked to an appetizing brown, crisp and delicious. The right temperature of the fat, as all chefs know so well, is one of the most important elements of deep-fat cookery. With Gas, temperature control is positive and certain. Gas, the finest cooking fuel, is sensitive to the finest gradations of heat, instant in action, constantly controlled . . . For all food preparation, Gas is best.

MICHIGAN CONSOLIDATED GAS COMPANY
415 Clifford, Detroit
M. S. A. NOMINATING COMMITTEE’S REPORT

The two nominating committees of the Michigan Society of Architects have submitted their reports. The Committee appointed by President Roger Allen consisted of Clair W. Ditchy, Chairman; Kenneth C. Black and Branson V. Gamber. The Committee elected by the Board of Directors consisted of Clarence Boss, Chairman; James A. Spence and William A. Stone.

Balloting will be by mail, election at the 33rd Annual Convention in Grand Rapids, March 7 and 8, 1947. The two slates are as follows:

By-laws provide that “The Board’s Committee shall recognize and place in nomination any candidate who is an active member in good standing, upon a petition signed by five members, in good standing provided such petition is delivered to the chairman of the Board’s Committee at least fifteen days prior to the date of the Annual Meeting.”

BY-PRESIDENT’S COMMITTEE
Adrian N. Langius
Earl W. Pelletier
Paul R. Sewell
L. Robert Blakeslee
Kenneth Michel
Lyle S. Cole
Talmage C. Hughes
John P. Baker
Ralph L. Bauer
William A. Stone

BY BOARD’S COMMITTEE
Adrian N. Langius
Joseph W. Leinweber
Julian R. Cowin
Robert B. Franks
Arthur J. Zimmerman
LyIe S. Cole
Talmage C. Hughes
Kenneth C. Black
Alden B. Dow
Paul A. Flanagan

Edmunds—
—from Page 4
I hope this program has stimulated your interest. The role of the construction industry in the general economy is of such importance and is so vital to the welfare of the country that we cannot afford to allow the uncertainties and failures of the past year to be continued. The time to act is now. The American Institute of Architects and its Chapters can do much to stimulate the necessary action and we count on your full support.
RALPH WALKER TO SPEAK TO CHAPTER

Ralph Walker, F.A.I.A., member of the firm of Voorhees, Walker, Foley and Smith, of New York, will be the speaker at a dinner meeting of the Detroit Chapter, A.I.A., at the Detroit Athletic Club on the evening of February 28, it is announced by Wells I. Bennett, Chapter President.

The Chapter's February meeting had been scheduled for February 19, at the Rackham Building, but in order to obtain Mr. Walker as a speaker, it was necessary to change the date. Because the meeting on the later date could not be accommodated at the E.S.D., it was arranged at the D.A.C.

The room engaged at the Club, a private dining room on the second floor, will accommodate 125, no more. There were that many reservations at the last Chapter dinner, at which President Edmunds spoke. There are certain to be that many at this meeting, so only the first 125 reservations received can be honored.

Return reservation cards will be mailed out soon, and we suggest that reservations be made early. Cancellations cannot be accepted if received after 9:00 a.m. February 27 (the day BEFORE the meeting). Those who make reservations and do not attend will be billed in the amount of the cost of the dinner to the Chapter. The dinner in this case will cost the Chapter $4, members will be charged $2, the Chapter subsidizing the difference. The Chapter does this as a service to its members, and to encourage attendance. It is obviously unfair, then, for the Chapter to be put to the additional expense of paying for dinners that are not served, while other members who would like to attend are deprived of doing so.

Barber in New Firm

Preston Hoffman & Associates announce the association of Charles L. Barber, AIA, as a partner in the general practice of architecture and engineering under the firm name of Peterseni, Hoffman & Barber, 1051 Spitzer Building, Toledo, Ohio. Mr. Barber, a former member of the Detroit Chapter, A.I.A., has transferred his membership to the Toledo Chapter.

OFFICERS
ROGER ALLEN, President
ADRIAN N. LANGIUS, Ist V.-President
EARL W. PELLERIN, 2nd V.-President
JOSEPH W. LEINWEBER, 3rd V.-President
L. ROBERT BLAKESLEE, Secretary
KENNETH MICHEL, Treasurer
TALMAGE C. HUGHES, Exec. Sec.

TALMAGE C. HUGHES, F.A.I.A., Editor
120 Madison Avenue
Detroit 26
CHerry 7660

Advertising Director
WM. W. SCHUMACHER

DIRECTORS
ROBERT B. FRANTZ
RALPH W. HAMMETT
WILLIAM E. KAPP
WARREN L. RINDGE
PAUL R. SEWELL
EBERLE M. SMITH
JOHN C. THORNTON

Entered as second-class matter January 15, 1944, at Postoffice at Detroit, Mich., under act of March 3, 1879. Published weekly.
Subscription price: 50c per year. (Non-members, $1.00). 5c per copy.

Volume 21
DETROIT, MICHIGAN, FEBRUARY 11, 1947
No. 6

WANTED, DESK SPACE
Structural Engineer desires desk space in office of architect, downtown or New Center Area. Apply through Weekly Bulletin.

WANTED—Experienced Architectural Draftsmen and Structural Designers for extensive program on schools, hospitals, industrial buildings and laboratories. Time and one half for overtime plus vacation bonus. Call or wire Giffels & Vallet, Inc., 1000 Marquette Bldg., Detroit 26, Cadillac 2084.


WANTED—A-1 experienced architectural and structural men who can handle work from sketches to completion. Inform fully as to education, experience, age, salary requirements and all other pertinent data. No junior draftsmen required. —Harley, Ellington & Day, Inc., Architects and Engineers, 1507 Stroh Bldg., Detroit 26, Mich. Telephone RANDolph 7080.

WANTED—Experienced Architectural Draftsmen, qualified to process architectural working drawings from sketch stage to completion, mainly on educational, hospital, public and commercial buildings. State education, experience record, availability, age and salary expected. —Jameson and Harrison, 103 N. Madison Ave., Peoria 2, Ill. Phone 6009. Journal of the A. I. A.
ENGINEERED HOUSE

Tentative floor plans for the industry-engineered house which have been designed to point the way to substantial reduction in the cost of building veterans’ homes have been sent to building product manufacturers for comment and study, Andrew L. Harris, executive secretary of the Producers’ Council, stated today.

"More than 100 manufacturers of building materials and equipment will meet in Washington January 28 to discuss the plans and the engineering principles on which they are based," Harris said.

"Copies of the basic plans, which have been prepared by nationally known architects to demonstrate the savings made possible by dimensional engineering will be made public soon after the plans have been discussed at the meeting.

"The development of engineered houses is a joint program of the Producers’ Council and the National Association of Retail Lumber Dealers.

"Basic engineered houses are defined as ‘houses of quality materials, planned for adequate living and designed for minimum cost.’"

"Savings in cost will result from standardizing on low cost products and from saving time and materials by coordinating the dimensions of the homes with the dimensions of the materials and equipment which go into them.

"The engineering principles and the opportunities for cost reduction embodied in industry-engineered homes can be applied to other houses developed by individual designers, including houses of greater spaciousness."

"The basic plans present small homes containing one and two bedrooms. The three variations of the two-bedroom house show a two-story dwelling and two L-shaped homes. The floor areas are well within the 1500 square-foot limit enforced under the veterans’ housing program.

"Savings in manufacture of materials will result from the fact that standardization of materials will bring economies from greater mass production and lower inventories at the point of manufacture.

"There will be savings in distribution resulting from lower dealer inventories, from easy assembly or packaging of materials, from mass pre-cutting and pre-assembly of materials prior to delivery, and from the fact that dealers will be able to keep a complete stock of the materials for the engineered homes. This will permit prompt delivery of materials and eliminate the need for placing orders with manufacturers for products not in stock, thus reducing the costly delays in building which result from uncertain delivery of materials ordered from the factory.

"Additional economies in site construction will arise from the use of modular products and from the fact that the houses are dimensioned to modular sizes which will save time and materials by eliminating the need for cutting and fitting."
Builders' & Traders' Exchange
Mark Fifty-fifth Anniversary

Seven hundred attended the Builders' & Traders' Fifty-fifth Anniversary Banquet at the Book-Cadillac Hotel on January 21, heard Arthur (Red) Motley, President of Parade Publications, Inc., as speaker, talks by officers of the Exchange, reports, entertainment and other features.

G. K. Chapman, President of the Exchange, presented and introduced past presidents, as the opening feature. The Exchange has a long and distinguished record of accomplishment. When it was organized in 1882 it had 42 members. At this meeting a membership of 633 was reported.

In his report, Edwin J. Brunner, Secretary-Manager, said:

"Today we have more complex problems and many of them.

"The year 1947 will develop a big volume of construction. Most of the wartime controls have been lifted, and the remaining ones have been liberalized, and will be lifted. The supply of materials is less scanty, but will remain tough as concerns some items.

"Production is the keynote for 1947—production for a demand we cannot entirely satisfy unless costs go so high that effective demand commits suicide. That could happen. It would create a sorry state of affairs not only for our great industry, but for the whole economy of the nation.

"The shortage to be feared most is the oncoming shortage in the skilled trades. Some real strides have been made since V-J Day in training apprentices, and all those pushing this program are entitled to much credit. BUT WE MUST DO MORE. We must accelerate the effort. None of us must underestimate the need for replacements and new men. We must act and continue acting.

"From the tree in the woods, from the iron ore lying in the earth, from the sources of all materials for construction, the biggest element of construction cost is labor. Even when the finished materials have been delivered on the job site over one half the remaining cost still is labor.

"Two interrelating factors determine labor costs—the rate of wages and the production which labor gives for those wages. When a man, a group of men, or workers in any trade or any industry deliver day by day less than a reasonable day's work, to that extent is the price of the commodity they work upon raised. And the burden of this raise cuts into the pocketbook of all consumers. It takes money right out of the pocketbook of all.
Detroit Chapter A.I.A. Committees for 1946-47

(All committee members are elected by the Board of Directors. NOTE: Chairmen and members are asked to accept this as notification.

**Standing Committees**

**MEMBERSHIP (Incl. Activities with Student Chapters)**
- Talmage C. Hughes
- Julian R. Cowin
- Carl B. Marr
- Joseph W. Leinweber
- Henry F. Stanton
- Thomas H. Hewlett
- Charles B. McGrew

**PRACTICE (Incl. Activities with State Registration & Schedule of Charges)**
- Charles B. McGrew
- George F. Diehl
- John C. Thornton

**RELATIONS WITH CONSTRUCTION INDUSTRY**
- Charles N. Agree
- George F. Diehl
- John C. Thornton
- George K. Scrymgeour

**PUBLIC RELATIONS**
- William F. Kanji
- Aloys Frank Herman
- C. William Palmer
- David H. Williams, Jr.

**EDUCATION (Also counselors to Engineering Society of Detroit)**
- Earl W. Pellerin
- Roger Bailey
- George B. Brigham

**PUBLIC INFORMATION**
- Talmage C. Hughes
- Ralph W. Hammett
- Suren Pilafian

**Allied Arts**
- Owen A. Luckenbach
- Paul B. Brown
- Alexander H. Girard

**Civic Design**
- Jean Hebrard
- Richard B. Fernbach
- Leslie M. Lowrey
- Eileen Saarinen

**Special Committees**

**Unification**
- Kenneth C. Black
- Julian R. Cowin
- William E. Kapp
- John C. Thornton

**Liason Officers, Producers' Council**
- George F. Diehl
- Alvin E. Harley
- Andrew R. Morison

**Chapter History**
- Clair W. Ditchy
- Branson V. Gamber
- Suren Pilafian
- Louis G. Redstone

**Architectural Renderings**

Charles Morgan, specialized in architectural delineation, perspectives and rendering, informs his old clients and prospective new ones, in whatever cities they may be located, that he is still doing business in this field, and is at present able to give prompt service, especially in cases where clients are able to do their own penciling of perspectives.

Charlie can be reached at Design, Inc., Ninth and Sidney Streets, St. Louis 4, Mo. Telephone number is Prospect 7600, or after office hours, at the Mark Twain Hotel, St. Louis.

**Plastic-Glaze**

Plastic-Glaze the Post War Glazing Compound to specify. Made from blended oils and special pigments. Weatherometer tests prove that Plastic-Glaze when properly applied and maintained will last as long as the sash. Dries rubbery hard, not rock hard, easy to apply, easy to remove.

**Manorial Rendering**

Charles Ackley, Lansing architect, has prepared plans for a ranch-type house to be the feature of the Lansing Home Show, scheduled to be held in the Lansing Armory in May, 1947.
CONSTRUCTION OUTLOOK FOR 1947

By THOMAS S. HOLDEN, President, F. W. Dodge Corporation

Potential construction demand is probably greater than the 1947 capacity of the construction industry. Since the industry's capacity, particularly in the material supply sector, increased greatly in 1946, the obvious expectation is for a substantial increase in total volume during the coming year.

This expectation could fail of realization if construction costs continue to rise so rapidly as to price vast numbers of planned projects out of the market. It could, presumably, fail of realization if there should be a nationwide wave of work stoppages in basic industries and among the construction trades. Odds are that neither of these possible deterrents will develop on a sufficiently serious scale to force any substantial or prolonged curtailment of construction volume.

In the present situation the general economic conditions surrounding construction activity and the types of stresses and strains likely to prevail within the industry, are even more important for appraising the outlook for the coming year than are any measurements of construction demand.

GENERAL BUSINESS CONDITIONS

General price decontrol and restoration of free markets were announced by the President on November 9th.

In each important group of commodities there has been a short spell of price control, followed by a degree of stabilization. For most commodities in short supply the typical pattern followed after decontrol seems to be a sudden rise in prices above OPA ceilings to levels less than previous black market prices, followed quickly by stepped-up production, increased supply and a fair presumption of early stabilization.

The current general rise in commodity prices is likely to reach a peak and start receding during the first quarter of 1947. Wholesale prices of farm products have already softened. A number of consumer items have been selling below previous retail price ceilings.

Wholesale prices of farm products, foods, textiles and other consumer goods are likely to reach a peak and turn down soon.

FEBRUARY MEETING

Mr. Walker, one of America's most distinguished architects, will bring to Chapter members a message of vital interest. A few years ago he made an extensive study tour of English cities, bringing back a fund of valuable and interesting information on housing, city planning and other aspects of life in the British Isles.

Ralph Walker was graduated from Massachusetts Institute of Technology in 1911, was awarded the Rotch Traveling Fellowship in 1916. His firm, one of the most important in the country, has to its credit such buildings as those of the New York Telephone Co., Irving Trust Co., Western Union, Brooklyn Edison and laboratories in various locations for Bell Telephone, Standard Oil, Firestone Tire and Rubber Co. and many others. The firm's other buildings include Travelers Insurance, Hartford; Prudential Insurance, Newark; several buildings for the New York World's Fair; Roger Williams Memorial, Providence; George Eastman Memorial, Rochester, etc. During the war V.W.F. & S. did Army defense bases extending to the far-flung corners of the world.

Mr. Walker was a member of the Chicago World's Fair Architectural Commission. He has been in the past and still...
General Contractors

FREDERIC B. STEVENS
INCORPORATED
PLUMBING and HEATING SUPPLIES
622 FORT ST., E. RANDOLPH 1073

Murray W. Sales & Co.
Whole Sale PLUMBING and HEATING SUPPLIES
Flint — DETROIT — Pontiac
801 W. Baltimore MADISON 4200

Colorful Brick
For Permanence
Tile For Beauty and Economy

BELDEN-STARK BRICK CO.
14305 Livernois Detroit 4
HOgarth 1331 - 1332 - 1333

Holden from Page 1
er than prices of construction materials and other durable goods.

The U.S. Bureau of Labor Statistics index of wholesale prices of all commodities stood at 128.4 on August 24, at 139.1 on November 30. There was a minor downswing between those dates. Apparently, the index will be subject to more fluctuations until some degree of stabilization is reached. At the peak it may stand somewhere near to 145. At such a point, the peak would be about 85 percent over the average for 1939, which was 77.1.

During World War I, the general wholesale price index more than doubled, and reached at the postwar peak in May 1920 a point nearly two and a half times the prewar level.

Since the general price rise this time has been so very much less than it was in the World War I period, the danger of general collapse of prices and serious business recession this time is correspondingly less. The most likely prospect this time is for a more orderly price adjustment, with only a moderate amount of confusion and a moderate decline of the index.

Threats of strikes in key industries are a disturbing factor as this is being written. Further wage increases would tend to boost prices above present levels; serious work stoppages curtailing production would prolong the unbalance of demand and supply in important commodities. However, neither wage increases as large as those of the past year, nor prolonged work stoppages are likely. Labor disturbances in 1947 will probably have less effect on the general price structure and the general business picture than they had in 1946.

The anticipated price recession will probably be accompanied by a mild or moderately serious recession in general business activity. Total industrial production may be in a moderately declining phase during a part of next year, there may be moderate decline in total employment.

In short, postwar readjustment will continue through a considerable part of 1947, relative stabilization of the general price level will probably be achieved, and the stage should be set for full postwar recovery after next year's principal adjustments have been completed.

CONSTRUCTION CONDITIONS
Construction activity will not necessarily participate in the expected recession of general business. Odds are that it will not, but will continue on an increasing scale without serious setback. If this turns out to be true, construction may be the principal sustaining activity tending to moderate the impact of price recession on the general business structure. Construction could possibly share this moderating role with the automotive industry, another one with the tremendous backlog of unfilled demand.

Partial relaxation of construction controls and liberalization of the permit system, which still sets limits on nonresidential projects, were announced by the President on December 14. With the announcement came a modification of the ceiling-rent limitation on rental housing and the promise of financial measures to stimulate this important class of building. The same announcement indicated that further modification of controls would be made as the material supply situation improves.

Removal of material price controls has already stimulated increased production of many scarce items. It has resulted in a number of price increases, over present ceilings, but to levels lower than black market prices. Materials in approximately balanced supply will stabilize quickly. The few items that may show marked price increases will not necessarily count heavily in total construction costs. Construction costs are rising somewhat above recent theoretical levels indicated by published index numbers. Elimination of the numerous abnormal costs engendered by controls will give the industry considerable leeway in adjusting itself to free-market conditions. Controls have been causing the in

Robert Hutton & Co.
ROOFING AND SHEETMETAL CONTRACTORS
622 FORT ST., E. RANDOLPH 1073

— CLASSIFIED —

HALEY COMPANY
E. F. ZERGA, Manager
Face Brick Floor Brick Glazed Brick Acid Brick
Clear Glaze Facing Tile Ceramic Glazed Facing Tile Acid Tile

M. DEN BRAVEN CO.
9080 ALPINE AVENUE
DETROIT 4, MICHIGAN

DUPLICATE!
• BLUEPRINTS (Nu-Blue)
• PHOTOSTATS (Sharp)
• PHOTOGRAPHIC MURALS
ENLARGEMENTS + TONING MOUNTING
Snappy Delivery Service!
CALL FOR OUR SALES MAN

THE MULTI-COLOR COMPANY
629 WOODWARD (between 21st & 22nd)
DETROIT 2, MICHIGAN

BEAUTIFUL INTERIORS
are created with wall paper

FISHER WALL PAPER CO.
We have a competent staff, willing to show you the best in style and color, the leading Wall Paper Manufacturers of the country offer.

Let Us Help You
5840 Woodward Avenue
6 LOCAL BRANCHES IN DETROIT

"Ask Your Decorator"
He will tell you that Fisher Wall Paper Co.
are Michigan's largest wall paper distributors.
Problem—to provide restful but high visibility for technicians watching instruments and a large control board.

Feel free to call upon our Lighting Division at any time. Just get in touch with your nearest Edison office. There is no charge for this service.

The suit fits when the cloth is cut to fit the man. So, too, with custom tailored lighting installations. Planned lighting to fit a particular need in the home, office, store, or factory is more important today than ever before. By consulting the catalogs of leading manufacturers, fixtures that fit the job can be selected.

The lighting was definitely planned for the electrical control room shown here. The Ainsworth fixtures each containing two 40-watt lamps produce a general illumination of 35-40 fc. Contrast values along the ceiling are much less than the maximum 10 to 1 recommended for glare-free vision. Auxiliary lighting on the control board is provided by a row of Holophane counter lights recessed in the ceiling.

The Detroit Edison Company
the U. S. Bureau of Labor Statistics our
estimates for the entire nation give the fol­
lowing results: 750,000 units for 1946;
1,000,000 units for this year.

The current figures on dwelling units in
the 48 states, published by the U. S. Bu­
reau of Labor Statistics, consist of esti­
mates based upon building permit records.
There is no simple way of reconciling these
estimates with the factual statistics re­
corded by Dodge.

The conservatively estimated 1,000,000
units for 1947 obviously implies that the
quota set for this year by the former
Housing Expediter will not be reached. The
1946 quota of starts was made approxi­
mately at the expense of stretching out
completion time of most projects to
double, or more than double, that or­
dinary required. A sizable portion of
the year's material supply will be required
for completion of large numbers of residen­
tial and nonresidential projects started in
1946. Builders will want to make a better

Michigan Society of Architects,
120 Madison Ave.,
Detroit 26, Michigan

Gentlemen:
Confirming our conversation of this
morning, I have reserved an entire
car for the use of the Architects mov­
ing Detroit to Grand Rapids on the
5:15 pm train March 6th, and an en­
tire car on our train leaving Grand
Rapids at 5:30 pm March 8th.

When informing your membership
may I suggest that they be requested
sent their remittances to me and
send round trip ticket and seat reser­
vations. The round trip
fare is $7.42 and checks should be
made payable to Pere Marquette
Railway, and sent to 801 Lafayette
Bldg., Detroit 26. Evening dinner can
be secured on our trains in both
directions if desired.

Thank you for awarding us this
movement, I am.

Sincerely yours,

RAY E. IVORY
General Agent
Passenger Dept.

Midwest Decorating Co.
All Types of Painting & Decorating
61-63 COMMERCE AVE., S.W.
Tel. 6-5582
Grand Rapids 2, Mich.

Koenig Coal & Supply Co.
Certified Concrete
CONCRETE—FUEL OIL—COAL
Main Office: 1486 Gratiot Ave. Cadillac 1584

ROBBINS-ETKIN, INC.
GENERAL CONTRACTORS
13081 East Eight Mile Road
Prospect 0421 East Detroit

Couse & Westphal
General Builders
12710 Lynden Avenue
Detroit, Michigan

PATRONIZE OUR ADVERTISERS!

The Toledo
Plate & Window Glass Co.
Glass Jobbers & Glazing
Contractors
DISTRIBUTION OF
WEAVER-WALL—Asphalt Shingles
ASBESTOS LTD. Asbestos Siding
Wholesale
Detroit Grand Rapids Cleveland Toledo

GLASS BLOCK FOR
YOUR PLANT—Now!

Critical materials are not re­
quired to erect glass block
panels in that new plant ad­
dition—or in replacing worn­
out sash in existing buildings.
Get Insulux Glass Block at
pre-war prices—without de­
lay.

Cadillac Glass Co.
LENox 4940
2570 HART AVENUE
DETROIT

R. D. THAYER CO.
WATERPROOFING
ENGINEERS AND CONTRACTORS
2701 Joy Road — DETROIT (6) — Tyr 6-9626
842 Hall St., S.E.—GRAND RAPIDS (7) — Ph. 5-5180

Nelson Company
Plumbing, Heating and Air Conditioning Supplies
Wholesale
Main Office and Display Room
2601 FOURTH AVE. Phone RA. 4142
Branches
Royal Oak — Grosse Pointe — Ann Arbor

R. O. W
SPRING CUSHION
WINDOWS
WEIGHTS
CORDS
PULLEYS
MUSCULAR STRAIN

Write for details or see Sweets
R. O. W. SALES CO.
220 EAST HARRISON ST.
Royal Oak Michigan

COURSE & WESTPHAL
General Builders
12710 Lynden Avenue
Detroit, Michigan

ROBBINS-ETKIN, INC.
General Contractors
13081 East Eight Mile Road
Prospect 0421 East Detroit

COURSE & WESTPHAL
General Builders
12710 Lynden Avenue
Detroit, Michigan

Long Experience — Adequate Facilities
Clean Cut Business Procedure
BLUE PRINTING AND PHOTOSTAT REPRODUCTIONS
O & O Blue Print & Supply Co.
Cadillac 0005-0011
77 Sibley St.

MECHANICAL
HEAT & COLD, INC.

AIR CONDITIONING
Engineering Contractors
PRECIPITRON—Air Cleaner
Industrial Refrigeration
Process Dehumidification

TOWNSEND B-9600
12320 HAMILTON AVE., DETROIT 3

WEEKLY BULLETIN
duty, against its will, to price its product out of some of its markets. Elimination of controls is enabling the industry to reduce that danger.

Most construction materials will progress from sellers' markets into buyers' markets during the course of 1947 and material supply will cease to be the major bottleneck. The major bottleneck will be shortage of skilled labor. While apprentice training has been stepped up, and many building trades unions have recruited new members, recruitment has not kept pace with needs in a number of important trades. Top officials of the American Federation of Labor publicly stated some weeks ago the view that the cost-of-living rise has nearly reached its peak, and the view that increased labor efficiency is essential for increased production and for justification of the wage increases that have been gained. If this philosophy is accepted widely by local building trades unions, labor disturbances in the building trades should not reach serious proportions. Manpower shortages normally tend to be overcome if construction activity is to be sustained at expected levels.

1947 CONSTRUCTION ESTIMATES

If general economic conditions turn out approximately as described above, the prospect would be for considerably greater increases in residential building than in nonresidential building or heavy engineering construction. This is likely to be true with controls removed and even with preferential treatment for housing projects eliminated.

Although a number of important industrial corporations have plant expansion programs which have not yet been started, a reduced volume of manufacturing plant construction seems likely in 1947. The recent break in stock-market prices, the anticipated break in commodity prices, the possibility of some recession in general business activity, the prospect for narrow profit margins in the adjustment year and uncertainty as to the labor situation all tend to discourage aggressive expansion programs and to postponement of decisions.

These factors also influence commercial building activity, for which only a moderate increase is estimated.

In view of pressing needs for community improvement and the anticipated betterment of the supply situation, moderate increases over 1946 are estimated for the various classes of community, public and institutional buildings and for public works. An estimated marked increase in public utility construction reflects the great pressure of expansion needs in this field.

While the prospect of general business recession has prompted talk of federal stimulation of public works, there is serious question as to whether such a course would be necessary or desirable. Odds favor continuation of effective private construction demand on such a scale as to make greatly enlarged public works programs unduly competitive for materials and labor in the 1947 market.

Residential building is estimated to increase 18 per cent in dollar volume over the final 1946 total. This estimate assumes an approximately uncontrolled market during most of 1947. The large estimated increase in apartments and hotels is predicated on the assumption that new construction will be completely exempted from rent ceilings. Rent ceilings have been and continue to be principal deterrents to apartment buildings. It has been conclusively shown that increased supply of rental housing is the most urgent need in the whole housing shortage situation both as it affects veterans and non-veterans.

Individual investors planning to build or buy single-family houses are less apt to be deterred by temporarily unfavorable business conditions than are prospective investors in commercial or industrial projects. According to published index numbers, the construction cost of brick and concrete apartment and hotel type buildings was 42 per cent over the 1939 average in November of 1946, compared with a 38 per cent estimated increase in dollar volume. It is estimated that unit costs of comparable buildings may average somewhat higher in 1947; also that more higher-quality, higher-priced units will be included in the 1947 program.

ONE MILLION DWELLINGS ESTIMATED FOR 1947

Translated into figures comparable with the 48-state figures regularly published by Ford Motor Company, the 1947 total is estimated at 890,000. In view of the 42 per cent increase over the 1946 level in the 48-state figures, the modern-day 1947 program would be comparable with a 1939 program of 200,000 units. In view of the 1939 average of 158,000 units, the 1947 total is estimated roughly at 1.25 million units. It is estimated that individual home construction will account for approximately 55 per cent of the total new dwellings.
Michigan Engineering Society

Proposed amendments to the Registration Act as prepared by APELSCOR to overcome the weaknesses in the Michigan law, brought out by the action of the Illinois State Supreme Court in ruling the Illinois act unconstitutional have been presented by George Francis, director from Saginaw and chairman of APELSCOR. The amendments are in essentially final form and represent a lot of hard work. The Board adopted a motion approving the amendments. The Michigan Engineering Society will sponsor the amendments in the present session of the legislature as soon as a final detail or two are completed. The Board adopted a motion of commendation for the work of Mr. Francis and his committee.

In view of the importance of the present legislative session to the architects, engineers, and surveyors in Michigan, considerable discussion has been held regarding legislative problems. President L. B. Reid appointed a Committee on Legislation, composed of Claud Erickson, chairman, George Francis, J. H. Fotte, Kenneth Black, Otto Hess, Watts Shelby, and L. B. Reid.

Mr. John C. Thornton, A.I.A., past president of the Michigan Society of Architects, is a member of the Board of Directors of the Michigan Engineering Society.

Booth Fellowship

The College of Architecture and Design, University of Michigan, announces that the George G. Booth Travelling Fellowship in Architecture will be offered again this year, and the competition in design will be conducted during the two weeks beginning April 5, 1947. This competition is open to all graduates of the school who have not reached their thirtieth birthday on that date. Prospective candidates should write to the office of the College of Architecture and Design, University of Michigan, at once.

JOHN H. FREEMAN
Finish Hardware
Architects Bldg. Detroit 1
Phone TEMple 1-6760

Members American Society Architectural Hardware Consultants

Air Compressors Portable
For Rent

All Accessories Furnished
40 to 500 cu. ft. — By Day, Week or Month

W. H. ANDERSON CO., INC.
DETOIT, MICHIGAN

HANNAN

MICHIGAN SOCIETY OF ARCHITECTS

Hannan, Architect of Month

Charles D. Hannan, A.I.A., of Farmington, Michigan, has been named the tenth local architect to be honored by Kern's Civic Center for Home Planners in their "Architect of the Month" series of designations. Mr. Hannan's design will be on display the entire month of February and the public is cordially invited to view this display as well as other home planning material in Kern's Civic Center for Home Planners, ninth floor of the Ernst Kern Company, with his charge.

Mr. Hannan predicted that utility is something Mrs. Housewife demands in the work area; namely, an efficient kitchen and automatic laundry with plenty of storage space as a "must". The truly modern house should incorporate all of these features. G. I. Joe can be relieved of many chores such as putting up and taking down storm sash by the use of hermetically sealed glass panels with fixed bronze screened venting sections. Snow and ice can be removed from the walk by running a hot water pipe in the concrete; this can be operated from the boiler if a hot water radiant heating system is used.

Stability can be achieved by the use of good materials used in a natural way and care in the erection. This will tend to cut down costly upkeep and future repair.

Through the careful blending of house and landscaping and the judicious use of materials, beauty will surely be achieved."

Mr. Hannan retired from active practice in 1939 and went to California in 1943. He had been a member of the Detroit Chapter of The American Institute of Architects and of the Michigan Society of Architects. Survivors are his wife, Jane; one daughter, Mrs. Jesse Hubel, of Montreal; two sons, E. Kaye Hunter, of Plymouth Meeting, Pa., and Don W. Hunter, A.I.A., of Detroit; and a sister, Miss Maebel Hunter, of Hamilton, Ont.

W. E. N. Hunter

W. E. N. Hunter, pioneer Detroit architect, died suddenly at his home in Los Angeles, California on Jan. 4, at the age of 79.

Born in Hamilton, Ont., Feb. 16, 1888, Mr. Hunter was educated there in high school and Hamilton Collegiate Institute. According to the English system, he was apprenticed to architect, W. A. Edwards, moved to Buffalo, N. Y. and then to Detroit, where he was employed by Mortimer L. Smith and Son for seven years. Following this he worked for John John Scott and Co., Mason and Rice, and for a brief period in Toledo, Ohio. He returned to Detroit in 1900 and resumed his practice as an individual, doing residential and commercial buildings. Later he specialized in church buildings and did some of Detroit's most creditable structures in that field.

Mr. Hunter retired from active practice in 1939 and went to California in 1943. He had been a member of the Detroit Chapter of The American Institute of Architects and of the Michigan Society of Architects. Survivors are his wife, Jane; one daughter, Mrs. Jesse Hubel, of Montreal; two sons, E. Kaye Hunter, of Plymouth Meeting, Pa., and Don W. Hunter, A.I.A., of Detroit; and a sister, Miss Maebel Hunter, of Hamilton, Ont.

H. B. Culbertson Co.
GENERAL CONTRACTORS
2842 West Grand Blvd.
DETROIT 2, MICHIGAN

Wolverine Stone Company
NATURAL STONE FOR ALL
BUILDING PURPOSES
14290 Meyers Rd., Detroit 27, Michigan
Telephone: HOGarth 4295

Martel Engineering, Inc.
HEATING ENGINEERS
Pinegrove 3839
MADISON 7000
13720 Groff Ave.
DETROIT 5, MICH.

CLIMATE CONTROL CO.
Metropolitan Dealers for
CHRYSLER AIRTEMP
ENGINEERING — SALES — SERVICE
Commercial Refrigeration — Air Conditioning
Oil, Gas, Coal Furnaces
10610 JOY ROAD
HOGARTH 3721

WEEKLY BULLETIN
THE acoustical consultants and contractors of Michigan for fifteen years managing the distribution of Celotex Acoustical Products.

We have supplemented our service to the Michigan Architects by adding the distribution and installation of Martin-Parry Metalwal Partitions and Paneling which are available in colors and many fine wood grained finishes at no additional cost. All are Bonderized.

May we cooperate through you in your service to your client in both these complete and essential lines?


In Western Michigan: Leggette-Michaels Company, 1516 Wealthy St., S.E. Grand Rapids 6, Michigan.
Josam scald-preventing MODERATOR SHOWER MIXING VALVE

with exclusive HEART-OF-VALVE CONSTRUCTION

1. One-piece bronze body
2. Removable bronze bonnet
3. Cold water chamber
4. Hot water chamber
5. Mixing chamber

"Heart-of-Valve" consisting of:
A. Cage carrying operating mechanism
B. Hydraulic type shuttle valve
C. Bronze screen protecting cold water port
D. Bronze screen protecting hot water port
E. Neoprene cold water valve seat
F. Neoprene hot water valve seat

Maintenance is simple and easy. All working parts are combined in the "heart of valve" unit easily accessible by removing valve bonnet. Old unit can be removed and new unit installed in a jiffy. "Heart of valve" renewal units are available in individual packages.

The Josam Moderator Mixing Valve assures lasting shower bathing pleasure through simplicity of construction. A single moving part—the hydraulically operated shuttle valve—keeps hot and cold water "in balance" at the selected temperature and prevents accidental scalding. This shuttle valve is enclosed in the "heart of the valve"—a unit in which all working parts are combined. Even after years of wear or rough usage, there is no need of expensive replacement. All you do is replace the old "heart of valve" with a new one...and the valve is as good as new! The Josam Moderator Mixing Valve is ideal for residences, apartments, schools, colleges, hotels, clubs, institutions, factories, or wherever shower bathing is a regular routine. Fits readily into all standard shower installations. Send coupon below for complete details today!

Josam Manufacturing Company
Cleveland 14, Ohio

JOSAM MFG. CO. 302 Ferguson Bldg., Cleveland 14, Ohio
Send new literature on Josam Moderator Mixing Valve to

NAME _______________________________
FIRM ________________________________
ADDRESS ____________________________
CITY ___________________ STATE ________

February 25, 1947
DETROIT DISTRICT
RETAIL LUMBER
DEALERS ASS’N.

Phone TYler 4-2022
8429 Epworth Blvd.
DETROIT 4, MICHIGAN
Performance Guaranteed

Are you familiar with the terms and conditions of the new Performance and Payment Bonds now available for the protection of owners of private building projects? If not, you owe it to yourself and your clients to investigate fully the many advantages of these broad, straight-forward guarantees, both of which have been approved by the Executive Committee of the American Institute of Architects.

In the simplest and clearest language the new Performance Bond states that if the contractor defaults, the Surety will promptly step in to complete the work or to procure for the owner an acceptable contractor who will do so. The Surety also will help to keep the job rolling by supplying any additional financing made necessary by the default ...within the limit of the guarantee.

In similar fashion, the new Payment Bond guarantees that the completed structure will be turned over to the owner free of mechanics' liens and that sub-contractors and suppliers will be paid promptly for their work and materials. This bond is of vital importance to owners because it frees them from unpleasant and costly disputes over unpaid bills.

Are such guarantees needed by owners? Consider this startling fact: during the 12-year period 1934-1945 inclusive, there were 6,738 recorded failures among contractors and others in the construction industry in the United States, leaving in their wake insolvencies with total losses in excess of $155,000,000—an average of more than $1,000,000 per month.

Specimen copies of these simplified new bond forms, or any desired additional information concerning them, will be gladly supplied. Just call the local F&D representative, or write the office listed below.

FIDELITY AND DEPOSIT COMPANY OF MARYLAND
Home Office: Baltimore
DETROIT BRANCH: 2324-32 Dime Building, Detroit 6
Telephone CADILLAC 4323

FEBRUARY 25, 1947
THE TRANE COMPANY

offers the most complete line of heating, cooling and air conditioning equipment available.

Trane recommends to the public — "Buy air conditioning through your architect, engineer and heating contractor!"

THE TRANE COMPANY
LaCROSSE, WISCONSIN

In Flint: In Grand Rapids:
213 Mary Street 552-554 Michigan Trust Bldg.
Phone: 9-3141, 9-3142 Phone: 86008

In Detroit:
426 McKerchey Bldg.
2631 Woodward Avenue
Phone: CAdillac 5905

F. A. CHAPPER IRON Wks.
TEnnyson 6-0538
(After April 1st Call TAppan 7-6611)
12801 AUBURN AVE. DETROIT 23, MICH.

BEAUTIFUL BRIAR HILL SANDSTONE
Distributed Throughout Western Michigan

By

Valentine Stone & Marble Company
244 PIKE ST., N.W. GRAND RAPIDS, MICH.

MERCHANDISERS
OF
HUMAN COMFORT

PLANNING IN ADVANCE YOU CAN HAVE Radiant Heating WHICH BEST FULFILLS COMFORT REQUIREMENTS

Post War products of the United States Radiator Corporation and its Pacific Steel Boiler Division, now in production, include the A.G.A. approved Series 11 and Series 22 Comfort-Line gas boilers, the US-20 and US-25 Series high quality oil burning boilers and the Series 3 Sunray all purpose boiler, for coal, oil or gas firing.

Presented with an assurance of satisfactory performance are the gracefully slender Capitol Thin Tube radiators.

A dream of comfort comes true with finger tip control of Capitolaire Winter air conditioning furnaces. Pacific Plate Thin boilers, oil or gas fired for all homes, are a new addition to Steel Heating Boilers.

United States
RADIATOR CORPORATION
PACIFIC STEEL BOILER DIVISION
New Woodwork by CURTIS

To give you greater scope in planning homes of distinction—
To help you fill the great demand for beauty and utility at moderate cost — Curtis announces its new line of stock architectural woodwork with a wide variety design. Let us give you complete information.

Architects today can use an entirely new—entirely different way of presenting the new Curtis woodwork line. The big new Curtis Woodwork Style Book of beauty shows woodwork in natural settings. It's a Show Room of new ideas. Never before have Curtis entrances, mantels, china cabinets, stairways, and other woodwork been so beautifully pictured. Be sure to see it.

RESTRICK LUMBER CO.
HO. 2121

LOWRIE & GILLAM LUMBER CO.
OR. 1111

LOWRIE LUMBER CO.
VI. 1-1700

BRAUN LUMBER CORP.
TO. 8-0320

FEBRUARY 25, 1947
THE
SHERWIN-WILLIAMS
COMPANY

SIX DETROIT BRANCHES
2036 Woodward Avenue
12927 East Jefferson Ave.
14131 Gratiot Avenue
14495 Grand River Avenue
9341 Grand River Avenue
14233 Michigan Avenue,
Dearborn

You Are Sure of Quality and the
Satisfaction of Your Clients
When You Specify—
SHERWIN-WILLIAMS PAINTS

DesLAURIERS
COLUMN MOULD
COMPANY, INC.
Successor to Ideal Cabinet Corp.

Round Column Forms
for
Concrete Construction

Steel Bathroom Cabinets

Main Office and Factory:
7722 JOY ROAD
DE TROIT 4, MICHIGAN

Good For A Lifetime!

GLASIRON
ARCHITECTURAL
PORCELAIN ENAMEL
BUILDING PRODUCTS

- Store Fronts
- Shingles
- Awning Hoods
- Copings
- Marquee Faces
- Signs

(Now Available)

Wolverine Porcelain Enameling Co.
3350 SCOTTEN AVENUE
DETROIT 10

Add a Room in 8 Square Feet!
A complete kitchen in 8 square feet of floor space!
Everything—range, sink, oven, refrigerator... All-steel,
fireproof, modern, beautiful... Whenever space is at a
premium—from huge apartment buildings to small homes
—add a room by specifying Pureaire...Write for folder.

THE Parsons CO.
15000 OAKLAND AVENUE
DETROIT 3, MICH.
QUESTION: What's the best way to cover the coping on a low parapet wall?

ANSWER: See Pages 42 to 45 in Revere Manual of Sheet Copper Construction*

Nearly all architects and sheet metal experts agree that the best material for a parapet wall cover is copper. But there are several different forms of copper as well as many methods of construction. Revere's sheet copper research has shown which of these gives best results, and why. It has thrown entirely new light, not only on this subject, but on every important aspect of sheet copper construction.

You'll find the complete story in Revere's authoritative 96-page manual.* You can get all the facts on each construction problem from large, clear detail sheets that are designed for practical men to use. That's why it will always pay you to turn to this book first on all matters of sheet copper construction.

The Revere Manual has been sent to all holders of Sweet's Architectural File and to leading sheet metal contractors throughout the country. By making full use of it you can be sure of fine and durable sheet metal construction based on sound engineering principles. Revere materials are sold only through Revere Distributors. A Revere Technical Advisor, Architectural, will always be glad to consult with you without obligation.

*Entitled "Research Solves Problem of Stress Failures in Sheet Copper Construction."
Ross

'Iruscon developed the open truss steel joists to meet the demand for economical, light weight, fire-resistant floors in office buildings and other light-occupancy buildings. They are easy to install. Completely shop fabricated, they reach the job ready for placing.

Any Type of Office Building

BANK VAULT REINFORCING

Iruscon Welded Bank Vault Reinforcing consists of welded steel units placed parallel to each other with their chord members forming a barrier of steel near the inner and outer faces of the walls, floor and ceiling slabs. The web members of the welded units provide reinforcement through the thickness of the concrete.

METAL LATH

There is a Iruscon Metal Lath for every plastering requirement. Flat laths for ceilings and sidewalls, rib laths to reinforce concrete floor or plaster ceilings; expanded lath for stucco reinforcement. Corner Beads and Cornerite, to protect outside and inside corners.

HOLLOW PARTITION STUDS

Iruscon hollow partition studs assure permanence, rigidity and economy. They are fire-resistant, provide excellent heat insulation, and sound resistance, are rodent and termite proof. They will not swell or warp and will resist impact, vibration or plaster cracking.

CORNER BEADS

Recommended as an exposed corner reinforcement. The round nose is strongly reinforced by a deep groove which holds the plaster flush for a perfect bond. It can be wired, stapled, nailed or stuck to any kind of wall construction without the use of clips.

METAL CASINGS

Meet a definite demand for an attractive, sanitary method of trimming around doors and windows. Afford many architectural effects. Metal casings are fire-resistant, termite proof, easy to maintain and do not shrink or warp.

FERROBORD STEELDECK ROOFS

Iruscon Ferrobord provides a fire-resistant, economical roof deck for all new construction or replacements. Covered with insulation and waterproofing, it weighs approximately 5 pounds per square foot.
Truscon Slotted Inserts are attached to the forms and are completely imbedded in the concrete. Bolt can be moved along slot to any location, allowing wide variation in position. Used in ceilings, slabs, beams or columns.

Every Truscon steel building product is engineered to meet the exact demands of all kinds of office buildings. They provide beauty, long life, fire resistance and low upkeep.

Listed on these pages are some of the Truscon steel products for buildings. Note how well they fit into your plans and how they can be used to create beauty and durability. All of these items are factory made. They reach your job complete, accurate, ready to slip into place fast, without fuss or delay.

At the moment, not all of these products are immediately available. But we are bending every effort to make them so. In the meantime, plan to make Truscon your major source of supply. That way you can be sure of time-proven steel building products and practical engineering assistance.

Will be Better with these Truscon Steel Building Products

ARCHITECTURAL PROJECTED WINDOWS

Attractive in appearance and convenient to operate. Provide maximum daylight. Provide ventilation and freedom from drafts. Heavy one-piece casement type sections in ventilator assure rigidity. Hardware is solid bronze furnished in medium Statuary finish.

INTERMEDIATE CASEMENT WINDOWS

Constructed of specially designed one-piece sections throughout. Accuracy in weathering is assured through the final cold-rolling of sections to produce positive contacts between weathering surfaces. Hardware is solid bronze furnished in medium Statuary finish.

INTERMEDIATE COMBINATION WINDOWS

Incorporates side-hung casements and projected ventilators in one design. Fabricated from specially rolled steel casement sections substantially heavier than the minimum Metal Window Institute standard weights. The wide selection of sizes add to the adaptability of the window to a wide range of architectural use.

Manufacturers of a Complete Line of Steel Windows and Mechanical Operators...Steel Joists...Metal Lath...Steeldeck Roofs...Reinforcing Steel...Industrial and Hangar Steel Doors...Bank Vault Reinforcing...Radio Towers...Bridge Floors.
One Unbroken Theme

from Blueprint to Furnished Home

Our skilled decorators have a knowing way of picking up
the threads of an architect's creative plans, and tying them
smoothly into the selection of furniture and accessories.

Members of our Decorating staff will work with you and
your clients, interpreting and blending your ideas so that the
finished home will measure up to your expectations. To put
this service at your command, call us for an appointment.

Please telephone Cherry 5100, Extension 8161

Interior Decorating Studios

8th Floor—Woodward Avenue—Section E

Hudson's DETROIT
Announcement—

NORMAL DELIVERY OF

TRUSCON
Cement Roof Tile

INSTALLATIONS:
In addition to many large industrial projects installed under the direction of such firms as Giffels & Vallet, Albert Kahn, Smith-Hinchman and Grylls, etc., we have been privileged to furnish installations under the direction of the following Michigan architects:

W. Roy Akitt
David E. Anderson
Ayres, Lewis, Norris & May
Geo. J. Bachmann
Milton C. I. Billing
Lee Black
E. A. Bowd
C. W. Brandt
Marcus R. Burrowes
Carey & Esselstyn
C. Howard Crane & Associates
Derrick & Gamber
Detroit City Engineer
Geo. F. Diehl
I. Ivan Dise
Donaldson & Meier
W. B. Edwards
Emmerling, Spellicy & Hartman
Claud R. Erickson
Franz & Spence
Aaron Gould & Son
Geo. W. Graves
Hamilton & Weeber
Harley, Ellington & Day
L. J. Heenan
Benj. W. Hertel
L. R. Hoffman
Warren S. Holmes & Co.
Arthur M. Hooker
Hubbell, Roth & Clark
W. E. N. Hunter
Arthur K. Hyde
H. D. Ilgenfritz
J. G. Kustler

YOU have been patient with us—you realized that war building demands increased enormously the need for this very practical and economical roof construction.

We appreciated your patience then and your many evidences of cooperation in assisting us to get the work out. We determined then to put into effect every device, equipment and method to bring the production and erection of Pre-cast Cement Roof Tiles back to normal as soon as possible.

We have succeeded and we can now give you a closer approximation of the old pre-war service in Flat Slabs, Channel Tile and the self-weathering Red Rib Tile.

Truscon Tiles are lightweight, made with Haydite Aggregate—they are fire-proof, decay-proof and vermin-proof. All Tiles are vibrated to give extreme density and solidity. Experience of users has been that this Truscon Roof requires practically no maintenance.

Our Engineering Department will be glad to consult with you on your roofing problems. Whether it is 5,000 square feet or a million—no job is too large to handle—none too small to receive our best attention. Wire, 'phone or write—

TRUSCON LABORATORIES
CEMENT TILE DIVISION
DETROIT 11, MICHIGAN

Michigan Architects Continued
Kasurin & Kasurin
Hugh T. Keyes
Louis C. Kingscott
Kreche & Sewell
R. A. LeRoy
Wm. S. Linderman
Leslie M. Lowery
Malcomson, Higginbotham & Palmer
Geo. D. Mason
Harry L. Mead
Mildner & Eisen
O. J. Munson
McGroath & Dohmen
John McKenzie
Chas. Noble
O'Dell & Rowland
P. M. O'Meara
St. Clair Pardee
Pollmar, Ropes & Lundy
T. E. Ogilvy
L. G. Redstone
Robinson & Campau
Russell Eng'r. Corp.
Eliel Saarinen
Cyril E. Schley
John Scott
Shoecraft, Drury & McNamee
Shreve, Anderson & Walker
N. Chester Sorenson
Wm. A. Stone
G. Harold Thompson
Traverse City, City Engr.
Van Leyen, Shilling & Keough
F. Orla Varney
B. C. Wetzel Co.
Wright & Nice
Albert J. Zeller
Wm. C. Zimmerman

WEEKLY BULLETIN
PROGRAM
MICHIGAN SOCIETY OF ARCHITECTS
THIRTY-THIRD ANNUAL CONVENTION
The Morton House, Grand Rapids

FRIDAY, MARCH 7, 1947

8:30 A.M.—Meeting of the Board of Directors,
Breakfast at The Morton House
9:00 A.M.—Registration, Mezzanine Floor
10:00 A.M.—Official Opening of Business Session
Appointment of Tellers on Election of Officers
Greetings to The Convention by the President,
Roger Allen
Minutes of the last Annual Meeting, as published in
the Weekly Bulletin of March 26, 1946
Reports of Officers and Committees, as published in
the Weekly Bulletin of February 25, 1947
Report of Treasurer, Kenneth Michel
Announcement of Auditors, previously appointed, for
Treasurer’s Report
Report of Tellers on Election of Officers
Installation of Officers
Report of Auditors on Treasurer’s Report
Other Business
12:30 P.M.—Luncheon Hour—No organized luncheon or program
scheduled
2:00 P.M.—Business Session
President Adrian N. Langius, Presiding
Panel Discussion—"The Architect's Relation with
Municipal Building Departments"
Leader: Mr. Ralph E. Seeger, City Building Inspector,
Grand Rapids
Speakers: Mr. Paul Gerhardt, Jr., City Architect,
Chicago; Mr. Joseph P. Wolf, Commissioner,
Department of Buildings and Safety Engineering,
Detroit
4:00 P.M.—Panel Discussion:
"What can the Architect do to Solve the American
Housing Problem?"
Prof. Ralph W. Hammett, in Charge
Leader: Professor John Hyde
Speakers: Messrs. George Brigham, Alden Dow,
Charles Noble, Henry F. Stanton, Otis Winn.
Adjournment of Business Sessions
7:00 P.M.—Banquet, Banquet Room—Informal
President Adrian N. Langius, Presiding
Toastmaster: Mr. Clair W. Ditchy, F.A.I.A.
Speaker: Mr. Roger Allen, A.I.A., Retiring President
of the Michigan Society of Architects

SATURDAY, FEBRUARY 8, 1947

10:00 A.M.—Visit to the Exhibition of the Grand Rapids Furniture
Guild
12:30 P.M.—Luncheon Hour—No organized luncheon or program
scheduled
2:30 P.M.—Viewing of the Architectural Exhibition, "The Architect
in the Modern World", at Grand Rapids Civic
Auditorium
ADJOURNMENT OF CONVENTION

NOTE: The public, including ladies, will be welcome at all
sessions.
FEBRUARY 25, 1947
W. E. WOOD COMPANY
DETROIT, MICHIGAN

Building Construction

Member

ASSOCIATED GENERAL CONTRACTORS
SKILL, INTEGRITY AND RESPONSIBILITY

HENRY J. BRENnan, President
WILLIAM F. AUSTIN, Vice-President
LEO P. RICHARDSON, Secretary-Treasurer

THIRTY-EIGHT YEARS
OUTSTANDING CONSTRUCTION SERVICE
It is a great pleasure to arrive at the goal of my ambition. My ambition is practically everything. Up to a certain point, that is; I have no desire to become ex-living. No, I want to be ex-officer of anything you can mention. I am making out pretty well, too; I am about to become ex-president of the Michigan Society of Architects, and I am already occupying the enviable position of ex-senior warden of St. Mark's Episcopal cathedral in Grand Rapids. I am also an ex-fat man, and ex-speaker to luncheon clubs, PTA's and embalmers' conventions. I am also an ex-worrier and have managed to let the world slide off my shoulders; it got tiresome worrying about everything that happened in this country, Europe and Asia. It was interfering with my Art.

I am earnestly trying to become an ex-speaker to stories of a gravity-rejectors' conventions. I am also an ex-listener to stories of a gravity-rejectors' conventions. I am also an ex-worrier and have managed to let the world slide off my shoulders; it got tiresome worrying about everything that happened in this country, Europe and Asia. It was interfering with my Art.

I am earnestly trying to become an ex-speaker to stories of a gravity-rejectors' conventions. I am also an ex-listener to stories of a gravity-rejectors' conventions. I am also an ex-worrier and have managed to let the world slide off my shoulders; it got tiresome worrying about everything that happened in this country, Europe and Asia. It was interfering with my Art.

Naturally it requires more work to become ex-some things than be ex-other things, as you can readily see. For instance, it was no trouble at all to me to become an ex-early riser and an ex-snow shoveller. Ex-early rising is easy and profitable work, but the profession is too crowded. Everybody wants to be an ex-early riser. The ex-snow shovelling was not hard either because a fellow who lived not half a mile from me in Ottawa Hills was kind enough to get his name in the papers by dropping dead right after shovelling off his driveway and it was a simple matter for me to leave 12 or 15 copies of the papers around the house for my wife to read.

I not only like to become ex-anything myself but I am helpful about helping other people to become ex-stuff, too. For instance it is easy for anyone to become an ex-conversationalist when I am around, as you may have noticed. You would, of course, be too polite to bring this up yourself. I hope.

Naturally it is a greater pleasure to me to become ex-president of the MSA than it would be for you, you could think of, because there was a certain element of danger in that post. I succeeded Jack Thornton, the Royal Oak lapidary. (I may say that a lapidary is a person interested in polishing gems, and not a person with an unusual large lap. You no doubt know what happens to your lap when you stand up? It sneaks around to the back and pops up under an assumed name.) Mr. Thornton had built up the treasury of the Society to an astonishing extent, and he warned me that if I went out of the office with the treasury depleted he would grind up a handful of diamonds and place same in my apple strudel. This will not happen now, as we have more money than when I started.

It has been a great experience, being President of this Society, because if there is one class of people that I like to associate with more than others, it is architects. All architects are nice, but Michigan architects are even nicer. Before I became an ex-speaker and ex-toastmaster (although I am not quite absolutely "ex" in either capacity) I was very much exposed to after dinner speaking of all varieties, and it is my firm and well-considered opinion that architects talk less nonsense than the members of most professions. This is important. In my opinion the average after-dinner speech has done more to stamp out insomnia in this country than all the sleeping tablets Parke-Davis ever sold.

Thank you, all of you, for being so helpful to me and to all your officers in the past two years. It is a real pleasure to me to have served as your President, and it is not an even greater pleasure to turn over the affairs of the Society to a successor for whom I have so high a regard as I have for Adrian Langius.

Good luck to all of you.
Engineered to Stand Up

TYPICAL of the better heating equipment developed by American-Standard research and engineering, is the SEVERN Boiler. Note how its smart, trim lines stand out. Incorporating many features not usually found in such a moderate priced boiler, the SEVERN is just right for small or medium sized homes. Available in models for coal (hand fired or stoker), oil, or gas.

Styled to Stand Out

LUXURIOUS bathrooms like this are easy to achieve when you specify American-Standard fixtures. The bath is the MASTER PEMBROKE—a beautiful creation in durable enameled cast iron. The shelf-back lavatory is the COMRADE, and the close-coupled closet is the COMPACT, both of genuine vitreous china. All three pieces come in white and a wide range of harmonizing colors.

AMERICAN-STANDARD

HEATING & PLUMBING

The superb design and sound construction of American-Standard products assure many years of efficient, economical service. Their smart, trim lines and colorful finishes add beauty to any setting. And, being backed by more than half a century of manufacturing experience, they enjoy a public acceptance second to none. Yet, they cost no more than others . . . and can be bought on a convenient Time Payment Plan for modernization. Ask your Heating and Plumbing Contractor for details. American Radiator & Standard Sanitary Corporation, P. O. Box 1226, Pittsburgh 30, Pa.

LOOK FOR THIS MARK OF MERIT—It identifies the world's largest line of Heating and Plumbing Products for every use . . . including Boilers, Warm Air Furnaces, Winter Air Conditioners, Water Heaters, for all fuels—Radiators, Convector, Enclosures—Gas and Oil Burners—Heating Accessories—Bathtubs, Water Closets, Lavatories, Kitchen Sinks, Laundry Trays, Brass Trim—and specialized products for Hospitals, Hotels, Schools, Ships, and Railroads.

WEEKLY BULLETIN
FEBRUARY 25, 1947

of the A.I.A.
outstanding president and Board of
anion of other states, and it is fortunate
great strides, attracting favorable atten­

president of the Grand Rapids Chapter
other important capacities, including
(tickets) will give an excellent account
that Gus Langius (nominated on both
a large order to fill, but it is believed
ences in the architectural press have fur­
out the country. His letters and arti­
other architectural meetings through­

much in demand as a speaker at many
agree that he did credit to himself and
the last national convention is testimony

ALLEN RETIRES
Roger Allen, President of the Society
will retire at this Convention, after
serving for two terms. That he has
done an outstanding job is acknowl­
edged by all who have been in close
contact with Society affairs. He has
been more diligent in his attention to
details, and has regularly called meet­
ings of the Society’s Board. Mr. Allen
has gained a national reputation as an
architect as well as a speaker and
writer. His selection as toastmaster at
the last national convention is testim­
yony of the best sort. All who heard him
agree that he did credit to himself and
to Michigan. He has also been very
much in demand as a speaker at many
other architectural meetings through­
out the country. His letters and arti­
cles in the architectural press have fur­
ther reflected credit on our state.

Mr. Allen’s successor is bound to find
a large order to fill, but it is believed
that Gus Langius (nominated on both
tickets) will give an excellent account
of himself. He has served as vice-

president of the Society, as well as in
other important capacities, including
president of the Grand Rapids Chapter
of the A.I.A.

In recent years the Society has made
great strides, attracting favorable atten­
tion of other states, and it is fortunate
indeed that its future is assured by an
outstanding president and Board of
Directors.

ANNULAR REPORTS OF
OFFICERS AND COMMITTEES
FOR 1946-47

Michigan Society of Architects
Thirty-third Annual Convention

COMMITTEE ON VETERANS
TRAINING
Wells I. Bennett, Chairman

On February 21, 1946, the State Of­
ce of Education called a Conference of
Architects for Apprenticeship Training
for Draftsmen in Dr. Eugene B. Elliott’s
office in Lansing. Mr. Lee Thurston of
Dr. Elliott’s office presided. The follow­ing
architects were present: Rog­
er Allen, Clark R. Ackley, Wells I. Ben­
ett, Kenneth Black, Robert B. Prantz,
John Harris, A. N. Langius, Earl W.
Pellerin, C. H. Rose and William A.
Stone. Mr. Earl E. Mosier and Mar­
guerite D. McEnaney of Dr. Elliott’s
office also attended.

At this meeting the general plan of
offering apprenticeship training in ar­
chitecture through the State Depart­
ment of Public Instruction, the Veter­
sans Administration and the United
States Department of Labor was ex­
plained in detail. In view of the desire
of many veterans to become trained
draftsmen and also because of the
shortage of draftsmen in architect’s
office, the development of apprentice­
ship training for Michigan was ap­
proved by the Committee. The follow­ing
Sub-Committee was appointed to draft
a statement of standards and proce­
dures: Wells I. Bennett, Chair­
man, Kenneth Black, Earl W. Pellerin,
John Harris, William A. Shelly and Wil­
liam A. Stone.

The Sub-Committee subsequently
met and worked out an apprentice pro­
gram which was published by the State
Board of Control for Vocational Educa­
tion and distributed through the office
of Talmage C. Hughes, Executive Sec­
retary of the Michigan Society of Ar­
chitects. This program has been pub­
lished in the Weekly Bulletin.

It has not been possible to obtain
exact figures as to the number of ap­
prentices who have signed contracts
under this program, but it is believed
that there is a considerable measure of
acceptance both by architectural offices
and by apprentices. There have been
more applications than could be ab­sorbed in architects’ offices to date.

The Committee recommends the pro­
gram to the attention of architects who
may be able to use young men as be­
ginners and hopes that it will find
wider use as an aid to the draftsman
problem. Admission to apprenticeship
would be welcomed by young men who
may thus acquire the status of archi­
tectural draftsmen.

RELATIONS WITH THE
BUILDING INDUSTRY

This committee has had no regular
meetings in recent months. It seemed
to us, in view of the present chaotic
state in the industry, that most of the
subject matter under discussion at our
former meetings would hardly draw
much interest from a group who are
at the present time only concerned with
how and when circumstances are going
to be anything like normal.

The writer attended a recent Build­
ers’ Banquet, and I seemed to detect
a note of optimism.

The guest speaker of the evening
touched upon the industry’s problem
with labor; and stressed the fact that,
in his opinion, better results might be
obtained if in most cases the employees
were given a more comprehensive un­
derstanding of the employers’ problems.

I thought this worthwhile mentioning
as I believe most of us are aware of the
fact that too often the present-day me­
chanic concerns himself merely with
performing his own narrow portion of
the work and does not pride himself
sufficiently upon being an important
member in the building industry as a
whole.

Most of the representative members
in the building industry seem to feel
that there will be a turn for the better
in building conditions in the near fu­
ture; however, this may not take any
definite form before the latter part of
this year.

At any rate, I think there are a num­
ber of hopeful signs on the horizon, and
that the architects have a right to hope
that they can soon withdraw some of
their dusty rows of drawings out of
their pigeon holes!

LIAISON COMMITTEE
PRODUCER COUNCIL

The Council has had an election re­
cently, and the new officers are:
Dayton L. Prouty, President
M. J. Maley, Vice-President
Louis T. Ollesheimer, Treasurer
Wm. E. Ogden, Secretary
and we bespeak the architects’ friendly
cooperation in any activities they wish
to undertake.

We know these men are all thorough­
ly capable.

Your committee has had one or more
of its members present at practically
ESSENTIAL QUALIFICATIONS

Skill
The A.G.C. Member possesses both the technical knowledge and the practical experience to produce a workmanlike and economical job.

Integrity
The A.G.C. Member is pledged to handle his transactions with fairness and honor. He believes in the spirit as well as the letter of his contracts.

Responsibility
The A.G.C. Member can be depended upon to meet his commitments. He is organized and equipped to satisfactorily perform his job on schedule.

THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
DETROIT CHAPTER, INC.

Ralph A. MacMullan, Secretary-Manager

1437 Book Building, Randolph 6297-8, Detroit 26, Michigan
every one of the Council Meetings during the past year. These meetings were all interesting and a number of them were accompanied by illustrated talks on interesting topics.

At the present time the Council is very much concerned about the new modular standards and we understand that the products made according to these standards will soon be in production. I suppose that we will soon be seeing modular brick, tile, sash, bathtubs, etc., etc., in spite of any personal opinion the writer may have; but I can only say, if it is going to come, let's have it soon, and we will try to be very democratic and adjust ourselves.

George F. Diehl
Joseph N. French
Alvin E. Harley

COMMITTEE ON PROFESSIONAL PRACTICE
Leo M. Bauer, Chairman

The Committee has held no meetings during the past year, and only several routine matters have been brought to its attention. They are of such minor nature that a report is considered unnecessary.

The Committee recommends that the incoming administration, through its newly appointed Committee on Professional Practice, engage in an exhaustive study relative to a revised schedule of charges. With rapidly changing conditions it seems to the Committee that the schedule of fees for professional services should be revised. New schedules of charges have been adopted by several other state societies and associations, which are definitely in line with economic trends.

COMMITTEE ON EDUCATION

During the past year the Committee has had no particular assignment and thus has no detailed report to make. There has been no meeting of the Committee.

Both in high school and college education, the resources of the schools of the state have been taxed to their utmost. Teaching staff has been very difficult to obtain. It is to be hoped that the situation brought about by the end of the war and the return of the veterans will improve during the year to come.

Architects will probably agree that drawing, design, and what is frequently included under the general title of "Art" should be encouraged particularly in the primary and secondary schools. The gradual easing of present teaching pressures may make the improvement of such instruction possible.

Well organized instruction of this type would benefit the profession of architecture both directly and indirectly. For those who may later become architects or draftsmen, early instruction in drawing would be a great help. For the rest of our people, all of whom use architecture, some instruction in drawing, design and the history of architecture would be an aid to a broader life and to the appreciation of architecture. This Committee would recommend that the encouragement of grade and high school instruction in Art be endorsed by the Michigan Society of Architects.

John P. Baker
Glenn H. Benjamin
Robert B. Frant
Donald A. Kimball
Harry G. Muehiman
Earl W. Pellerin
Perival Pereira
Victor E. Thebaud
Wells Bennett, Chairman

M.S.A. REPRESENTATIVE ON THE BOARD OF DIRECTORS OF THE MICHIGAN ENGINEERING SOCIETY

John C. Thornton

Your representative has endeavored to properly perform his duties on the Board of Directors of the Michigan Engineering Society, has attended board meetings when possible, and also was present at the convention last June.

The relationship between the Architects and Engineers is very important to both professions which have so much in common; and your representative has done what he could to improve these relations, and has found it a pleasant duty.

Architects are eligible to membership in the M. E. S. and many do belong. We feel that more should take advantage of the opportunity. The annual convention has an outstanding program, many items of which are of particular interest to the Architect.

REPORT OF THE SECRETARY
L. Robert Blakeslee

During the year 1946-1947, the Board of Directors of the Michigan Society of Architects has met with President Roger Allen for seven regular meetings. The meetings have been well attended, and a great deal was accomplished.

Immediately after their election, the new Board members met at the Rackham Building, Detroit, Michigan, on Friday, March 15, 1946, to make plans for the coming year.

The second meeting was held on Friday, June 21, 1946, at the Rackham Building, Detroit, Michigan. At this meeting the practice of inviting outside architects, registered in Michigan, to become members of the Society, was approved by the Board. Plans for the coming Annual Mid-Summer Conference were discussed. Changes in the State Registration Laws, as proposed by APELSCOR, were presented and discussed. It was decided that no action on the proposed changes should be taken at this time.

On Saturday, August 3, 1946, a meeting of the Board of Directors was held at The Grand Hotel, Mackinac Island, Michigan, as a feature of the Third Annual Mid-Summer Conference. This was an open meeting, and all architects and guests were invited to attend.

The fourth meeting was held at the Peninsula Club, Grand Rapids, Michigan, on Wednesday, November 20, 1946. Plans for the Annual Convention were discussed. Suggestions were made to further the Apprentice Training Program. Unification in Michigan was reviewed. The relationship of Mr. Fauquier, Mr. Hughes, and the Michigan Society of Architects was studied.

The Board of Directors invited John P. O'Hara, Attorney, and the Publications Committee, to the meeting held on December 11, 1946, at the Detroit Athletic Club, for the purpose of discussing the situation which had arisen between Mr. Fauquier, Mr. Hughes, and the Michigan Society of Architects. Plans for the Annual Convention were made, and Mr. Hughes was appointed Convention Manager. Nominating Committees were appointed. Revised proposed changes to the Registration Act by the APELSCOR Committee were presented, and discussed.

The meeting on February 7, 1947, at the Detroit Athletic Club, Detroit, Michigan, was called for the purpose of completing plans for the Thirty-Third Annual Convention of the Michigan Society of Architects.

The March meeting will be held in Grand Rapids, Michigan, preceding the Thirty-third Annual Convention, for the purpose of closing the Society's books.

In addition to aforementioned meetings, the Society held its Thirty-Third Annual Mid-Summer Conference at the Grand Hotel, Mackinac Island, on August 2 and 3, 1946. Some 150 architects, producers, their families and friends, attended. The Small House problem was discussed, and active participation in the low-cost housing field was encouraged. The Veteran's Training Program was thoroughly discussed and participation encouraged. The social side of the convention was highlighted by the cocktail party given by Messrs. Martin and Davis, of Portland Cement Ass'n.

Your Secretary closes his term of office at the Society's Thirty-Third Annual Convention, with an expression of thanks to the other Board members for their splendid cooperation, and with best wishes to the Michigan Society of Architects for its continued growth.

In Memoriam

The following members have passed away during the past year.

Balle, August W.
Davenport, Harold D.
Homer W. Harper
A. W. Esslinger
Goodrich, William F.
W. E. N. Hunter
Marr, Richard H.
Rowland, Wirt C.
WALBRIDGE, ALDINGER CO.

GENERAL CONTRACTORS

409 Griswold Street

Detroit 26, Michigan

G. B. WALBRIDGE
Ch. of Bd.

R. E. PICKETT
President

A. H. ALDINGER, Jr.
Vice-Pres.

G. K. CHAPMAN,
Sec'y-Treas.

Skill, Integrity
and Responsibility
CONVENTION HEADQUARTERS

HOLABIRD & ROOT, ARCHITECTS

Lifetime Doors of Aluminum for Residential Garages

Available in a variety of designs.
The only door with the patented built-in counter weight — No springs.

THERE IS NO SUBSTITUTE FOR EXPERIENCE

Since 1935 TILT-A-DOOR has been building metal doors for the residential building trade. The experience gained over this period is reflected in our postwar product. By combining aluminum alloys with steel, we have produced a door 60% lighter than the prewar door, yet actually stronger.

NOW AVAILABLE

Available in the standard single and Twin Door sizes.
Also featuring the new “eight six” doors for the wider automobiles.

FURTHER DETAILS ON REQUEST

TILT-A-DOOR CORPORATION

503 East Nine Mile Road
ELmhurst 6780 — Royal Oak 9140

Detroit 20, Michigan
Some recent work from the office of Roger Allen, Architect.

Above is shown domiciliary Building No. 2 (250 beds), at Michigan Veterans Facility, Grand Rapids, for the State Administrative Board; Strom Construction Co., General Contractors.

Below is a view of Women’s Dormitory (accommodating 250), at Central Michigan College of Education, Mount Pleasant, for Michigan State Board of Education.
GLASS PAINTS

PITTSBURGH PLATE GLASS COMPANY

DETOIT – GRAND RAPIDS – SAGINAW
ANN ARBOR – JACKSON – MUSKEGON

Protect Against

FIRE - WEATHER - WEAR

with Johns-Manville Building Materials

- Asbestos Roofing Shingles
- Asbestos Siding Shingles
- Asphalt Shingles
- Rock Wool Home Insulation
- Insulating Boards
- Asbestos Flexboard
- Built-Up Roofing
- Asphalt Tile Flooring
- Asbestos Corrugated Transite
- Acoustical Materials
- Transite Movable Walls

For full information, call nearest office

JOHNS-MANVILLE

"Standard of Quality for 85 Years"
Another Allen job is that of the recently-completed Domiciliary Building No. 1, shown above, for the Michigan Veterans Administration, at Grand Rapids. It also has 250 beds. Spence Brothers, of Saginaw, were contractors.

BELOW: The retiring president is shown with the president-elect and Maj. W. G. Graham, Adjutant, Michigan Veterans Facility, in the lobby of Building No. 1.
MICHIGAN SOCIETY OF ARCHITECTS

ALBERT B. AMEEL
OTIS D. FISHER
TALBOT & MEIER, INC.
General Builders
1000 Larchwood Avenue
TOWNSEND, 8-3315
DETROIT 3, MICH.

MAY YOU HAVE
A
SUCCESSFUL MEETING

THE
MASTER BUILDERS
COMPANY

Materials for
Heavy Duty Concrete Floors
Spark-Proof, Static-Disseminating
Concrete Floors
Colored Concrete Floors
Non-Shrink Concrete and Mortar
Waterproofing Treatments
Cement-Dispersing and Air-Entraining Admixtures
For Economically Producing Better Concrete

E. H. FENKER
F. W. HENNING
600 MICHIGAN BLDG.
DETROIT 26, MICHIGAN
CADILLAC 1246

FOR
DEPENDABLE
CONSTRUCTION
GEO. W. AUCH
COMPANY
DETROIT
GENERAL CONTRACTORS

ESTABLISHED 1893

HANLEY COMPANY
E. F. Zerga, Manager

Face Brick
Floor Brick
Glazed Brick
Acid Brick

Clear Glaze Facing Tile
Ceramic Glazed Facing Tile
Unglazed Facing Tile
Floor Tile

14545 SCHAEFER
VERMONT 7-3200
DETROIT 27, MICH.

R. L. DEPPMANN COMPANY
STEAM AND HOT WATER SPECIALTIES
HEATING, VENTILATING AND AIR CONDITIONING CONTROLS
AIR DISTRIBUTION DEVICES

DETROIT
GRAND RAPIDS

WEEKLY BULLETIN
Recognition of the woefully inadequate facilities for the housing of the departments and functions of State Government was taken by the legislature in 1937 when a statute providing for the creation of a State Capitol Building Commission to determine the extent of needed state buildings and grounds and to prepare a master plan for their development was enacted.

In 1943 the Commission was reorganized by the Governor who appointed Vernon J. Brown, the Auditor General to serve as ex-officio representative in his stead. The new commission immediately undertook its study into the needs of the State for additional office space and facilities, commissioning for this purpose the Architectural and Engineering firm of Smith, Hinchman & Grylls, Inc., whose experience and staff were adjudged to be qualified for this task.

Subsequent to meetings for consultation with the architectural firm the Commission received at its meeting on January 29, 1945 the formal report of the architects and engineers, the Commission unanimously agreeing to the recommendations presented.

Reporting on February 1, 1945 to the Governor and the members of the legislature on its progress, the State Capitol Building Commission revealed that of the many exhaustive studies presented by the architects and engineers, they had selected a single plan as the basis for a development which could be accomplished on lands owned by the State or in the process of acquisition. This plan accentuates the present capitol.
Is Our Face RED?

WE ARE OUT OF BRICK
WE ARE OUT OF CEMENT
WE ARE OUT OF STEEL
WE ARE OUT OF NEW EXCUSES
SOON WE SHALL BE OUT OF FRIENDS

Only a firm as large as ours could be out of so many things.

It is not much satisfaction to know that all our competitors are in the same boat—or worse.

Maybe sometime we shall get back to normal conditions and give the kind of service which our clients are accustomed to expect from us.

In the meantime do not hesitate to call on us and we'll do the best we can under existing conditions.

Owens-Ames-Kimball Co.
Builders & Engineers
Grand Rapids - - - - Michigan
position majestically at the head of Michigan Avenue without encroachment of new structures, conflict in design between the old or proposed new structures and with an unobstructed view from the West Michigan Avenue approach.

Recommended by the architects and engineers was the construction of a new office building or buildings on the four block site west of the Capitol, embodying all of the latest approved thoughts in use of office building space and materials to provide for the most efficient functioning of agencies. Recommended also is the construction upon this site of a building to house the Supreme Court, the Attorney General and the State Law Library, a building to be designed to serve as a State Museum and repository for historical archives and a State Library Building designed to house the publications and functions of a state-wide service and to provide for the annual increase of some 25,000 volumes a year.

With respect to car parking the report recommends limited on-site parking adjacent to the buildings for visitors and a car pool garage for state cars required in the business of the various agencies, this garage to accommodate about 500 cars. Further recommended was the purchase of additional adjacent land for employee parking if the legislators so desire. Purchase of this land would make available for possible future building requirements, land that is integrated with the general plan. The car pool garage and executive parking space was proposed in the plan selected by the Capitol Building Commission as underground in the four block area West of the Capitol Building, with parking for the State Office Building provided for in the proposed acquisition of the half block of land immediately back of the present office building.

The report of the architects and engineers indicated a recommended order of construction for these buildings and suggested that cooperation from the City of Lansing be obtained in clearing the sites and rehabilitating the city-owned Prudden Auditorium.

In the session of 1945, the Act #263, to implement the establishment of a State Office Building Commission, was passed. The first meeting of this Commission was held on June 6, 1945. Subsequent meetings in June and August saw by-laws adopted and committees established and the selection of Smith, Hinchman & Grylls, Inc., as architects.

The Supreme Court Building was viewed as being of first urgency to house the Supreme Court, the Attorney General’s Department and the State Law Libraries and a committee composed of the Attorney General, the Law Librarian and a member of the Supreme Court was formed to counsel with the architects in establishing a program of requirements for this building.

Withdrawal of the Unemployment Compensation Commission from the Lansing program by the State Administrative Board after submission of the report on requirements by the Capitol Building Commission reduced office building requirements by 70,000 sq. ft. permitting the inclusion of the proposed Historical Commission building on the four block site and making available space behind the State office building for a 500 car pool garage, enabling a considerable saving in requirements for the proposed underground garage on the new site which will now be limited to executive cars.

The architect’s report on development to date was received by the Commission on December 3rd and embodied a model constructed to the scale of 16 feet per inch, indicating the arrangement of buildings and the site development proposed for the four block development west of the Capitol and delineations and floor plans for the Supreme Court and two office buildings.

The site plan for the four block area proposes:

a. Supreme Court Building
b. The Allegan Office Building
c. The Ottawa Office Building
d. A Museum and Archives Building
e. Underground Parking

Detailed plans were submitted for all of the above except the Museum and Archives Building. Incomplete at this time also were the study plans for alterations proposed in the Capitol Building. The State Library and the Car Pool Garage, recommended for construction west of the present office building, are not developed.

THE NEED

In the course of the study and presently it is found that the State occupies rented space in 16 buildings in and about the City of Lansing—space equal to one half of all space utilized by the State at Lansing. The rental cost of this space reaches the sum of approximately $200,000.00 yearly and still the agencies are not adequately housed for. The study further indicated that while rented quarters represent 50% of presently used space, this rental figure would be increased approximately $67,000.00 per year if relief were provided.

The report recommends that the State Law Library, recognizedly one of the best in the country, is inadequately housed in the Capitol Building where it is difficult of access, subject to destruction by fire and unable to provide for needed expansion.

Similarly, the State Library housing volumes in the State Office Building occupies needed office space which is ill-adapted for library functions and should be provided quarters designed for library use, capable of accommodating not only its present books but those added constantly to maintain its high standard.

The State Building, maintained until recently, in the State Office Building by the Historical Commission has been forced by demands for space from the State Building into a residence on Washington Avenue. Irreplaceable museum material is presently stored in a privately owned garage and the important archives collection in the State Building. Recommendation is made that the material of the Historical Commission providing a nucleus of museum material of a State rich in historical lore be housed in a building specifically designed for that purpose and conveniently accessible to the public.

Acutely felt at present is the need for adequate car parking facilities on or near the Capitol site to serve State owned cars required in the business of the various agencies, employees, executives and visitors.

Grounds for the State Capitol Development lying to the west of the State Capitol Building were recommended by the State Capitol Building Commission to the State Administrative Board which has to date acquired a part of this land, the remainder is expected to be acquired by condemnation.

Additionally to matters of cost and efficient conduct of the business of the State a further consideration is recognition of the State Office Building Commission as bearing upon the need for adequate and proper housing for State government. The appearance of the buildings and activities conducted therein are, by and large the major source of contact which the citizen of the state has with his state government.
Three new lines of Fencraft Windows now offer new high quality, lower cost and important installation economy.

Built of specially-designed steel casement sections, by craftsmen in the shops of America's oldest and largest steel window manufacturer, all Fencraft Windows beautify both the outside and the inside. They provide permanently easy operation, firesafety, more daylight, better ventilation, safe cleaning, superior screening, lasting weathertightness and low maintenance cost.

Singular economy in first cost is made possible by standardized manufacture—the concentration of production on standard types and sizes.

Uniform installation details, plus the coordination of window dimensions with those of collateral materials in the wall, minimize installation cost.

Eminently suited for America's finest buildings, Fencraft Windows are now being shipped to many localities. For product details, mail coupon below.

---

Fencraft Intermediate Steel Windows

Detroit Steel Products Company
Dept. WB-2
2250 East Grand Blvd.,
Detroit 11, Michigan

Please send me data on types and sizes of the new Fencraft family of Fenestra Windows:

Name

Company

Address

WEEKLY BULLETIN
and its representatives. That citizen expects and feels it his due that the outward physical manifestations of his state be such that he can be proud of its appearance.

SUPREME COURT BUILDING

This building is arranged in a rectangular plan selected for architectural harmony with the other buildings on the site, and because of the strictly functional development of the requirements of the building. The Supreme Court Room is located on the second floor projecting through the third story. All of the facilities required by the Justices of the Supreme Court, visiting attorneys, etc. are located on the second floor in proper relationship to their use. The offices of the Attorney General and his thirty-five assistants (at present scattered in various agencies about Lansing) and his staff occupy the third floor. The Law Library occupies one wing of the first floor because of its public use and use after normal office hours, permitting the balance of the building to be closed. This library will provide stack space for its requirements for ten years and will utilize basement area for additional stacks for a total capacity of 100,000 volumes, its anticipated requirement for twenty-five years.

The Allegan State Office Building, a seven story building with office space arranged in the manner of modern office buildings, is expected to house the largest agencies such as the Secretary of State, the Liquor Control Commission, etc. In general, these agencies occupy one or two floors which permits better control, more efficient use of space and greater efficiency in operation.

The Ottawa State Office Building, twenty-three stories high and is most suitable to the small agencies as distinguished from the larger agencies occupying the Allegan State Office Building. It represents the most modern thoughts in the provision for economical and efficient use of office space. This building will accommodate also the cafeteria for employees for the State Government, a facility which is sorely needed.

The Supreme Court Building and the two office buildings are expected to provide facilities for a modern, efficient and dignified administration of the business of the State of Michigan.

An underground garage is proposed for construction between the basements of the Supreme Court Building and Ottawa and Allegan State Office Bidgs.
LOANS TO BUILDERS

The Detroit Bank Provides Conventional and F. H. A. Mortgages to Responsible Builders on Well-Located Unsold Properties

1. Applications for group projects are processed for F.H.A. and G.I. financing.

2. Commitments for loans will be made from your plans and specifications.

3. Conventional loan commitments can usually be made within seven days.

4. Without additional cost, advances of cash can be obtained before the completion of the building.

5. No bonus or commission charged—only the actual necessary expenses for examining the property and title.

6. Payment of these loans can be made in full at any time.

Ask for the booklet "LOANS FOR HOMES" at any of our 32 convenient banking offices

THE DETROIT BANK
COMMERCIAL and SAVINGS BANKING
Main Office: GRISWOLD at STATE
Member Federal Deposit Insurance Corporation
32 CONVENIENT OFFICES THROUGHOUT THE CITY
The Edward J. Jeffries Homes—housing development for 1700 units. The site selected cannot be cleared for this project until such time as the present occupants can be placed elsewhere which, due to the present housing shortage, is a difficult task. Drawings are completed, but construction delayed, awaiting more favorable conditions.

SMITH, HINCHMAN & GRYLLS, INC., ARCHITECTS and ENGINEERS

HURON CLINTON BATHING PAVILION

The working drawings are to be started soon. It is planned to have work on this project start this Fall so that the Beach can be opened by the summer of 1948. The project consists of bathing facilities for 7500 people. Cafeteria service and dining facilities are to be provided. In addition to the Beach, there will be an outdoor swimming pool.

FEBRUARY 25, 1947
AUSTIN'S PAINTERS

Always on the Job
For Better Service Anywhere in Michigan

Painters - - - Decorators
Resilient Flooring
Contractors

Linoileum Asphalt Cork Rubber

INDUSTRIAL
COMMERCIAL
RESIDENTIAL

FOR FORTY YEARS WE HAVE BEEN DOING THE LARGER
AND BETTER JOBS ALL OVER THE STATE OF MICHIGAN

--- Offices ---

DETRGOT
4628 St. Aubin

FLINT
1534 North Saginaw Street
From the office of Harley, Ellington and Day, Inc., Architects and Engineers, are these charts made for the Port of Detroit Project.

The charts, approximately 30" x 40", were reproduced by Multicolor Company, using a new process known as Coloc.

Mr. Albert L. Fuchs, of Multicolor, states that, "It is a short run process for quantities of fifty or less, developed to do a quality job that can not economically be turned out by the commercial printer. Its big saving is in the elimination of the plate. No expensive make-ready is necessary and that is the most costly item in printing. Instead of a plate an inexpensive sheet of sensitized paper is used. The results are good and give prints in almost limitless size (48x96), in any color or combination of colors, and on various types of material, such as different weight and types of paper, different colored papers, thin cardboard, tracing cloth, oil cloth, vellum, etc. Carrying the process a step further, we have developed a chemically-treated pencil used to make continuous-tone Coloc prints. This is particularly adaptable to architects' sketches and renderings. In addition to this, this is the only process yet developed that will increase contrast instead of losing it."
ANNOUNCING
U·S·G
SERVICE FOR
ARCHITECTS

Our Architect Service representative is a technically trained expert who has but one function...to inform Michigan Architects on all U·S·G products—new materials, existing materials and combinations of both. He is qualified to give you complete information on performance, uses and limitations of these products as they apply to your specific projects, including suggested details and specifications. In the Detroit area, call TRinity 10463. In the Grand Rapids area, call 6-8611.

Wall and Ceiling Constructions • Hollow and Solid Partitions • Fireproof Gypsum and Steel Roofs • Sound Control Materials • Thermal Insulating Materials • Lime for Masonry Mortar • Interior and Exterior Paints

United States Gypsum
For Building • For Industry
Gypsum • Lime • Steel • Insulation • Roofing • Paint

WEEKLY BULLETIN
HARLEY, ELLINGTON & DAY, INC., ARCHITECTS and ENGINEERS

ABOVE: General View of the Hospital and Administration Building, Coldwater State Home and Training School, Coldwater, Michigan.

BELOW: Detail of Main Entrance of the same building.
ADAPTABILITY AND KNOW-HOW MUST GO TOGETHER

Business, industrial and professional success in America, in general, and in Detroit, in particular, has been built and has prospered on its adaptability.

Know-how is important, vitally important, in banking as in production, but know-how without adaptability can be as misleading as adaptability without know-how.

Many factors have been responsible for the increasing success and leadership of this bank. One of the most important factors has been our ability to adapt our policies and our resources to changing conditions, that we may, in the fullest possible sense, continue to be aggressive, thoroughly informed, business allies to our constantly increasing number of customers.

NATIONAL BANK OF DETROIT
DETROIT, MICHIGAN

Complete Banking and Trust Service
30 BANKING OFFICES

Member Federal Deposit Insurance Corporation
HARLEY, ELLINGTON & DAY, INC., ARCHITECTS and ENGINEERS

Above is a view of one of the new shops in the Wright Kay & Co. store in Detroit.

BELOW: Mausoleum, Fort Lincoln Cemetery, Washington, D. C.
Progressive Architects Specify

**BB-200**
One of the many uses of the ball bearing, double door KENNATRACK, a unique device in that it permits designs calling for doors to be made flush with cabinet or wall surface.

The KENNATRACK employs two carriers, each having four rollers arranged to bear equally the weight of the door. Noiseless in operation, the rollers run with smooth, effortless ease on a light and strong Dowmetal track. The bottom of the door is grooved to receive a roller guide, which restricts the door to its proper course.

The patented Tunnel Mounting Bracket of the KENNATRACK permits the complete installation or removal of the track from the tunnel or well at any time without disturbing the wall structure.

For Single And Parallel Doors

Progressive architects everywhere are specifying KENNATRACK for interior doors, both single and parallel. Mechanically perfect, simply and inexpensively installed, KENNATRACK functions with finger-tip ease and, by eliminating the arc of the hinged door, virtually increases the floor space of any room. The KENNATRACK'S simplicity and lack of bulk permits the architect an almost limitless scope in style and design. It is equally adaptable to either a conventional or modernistic treatment.

**PB-300**
The illustration demonstrates how one prominent Chicago architect employed the KENNATRACK as a space saver. The KENNATRACK in increases immeasurably the number and variety of possible room arrangements.

**CONTACT YOUR LUMBER OR HARDWARE DEALER**

**OR**

**HARDWARE DISTRIBUTORS CORP.**

1627 W. FORT STREET  
DETROIT 16, MICH.

Write Us For Descriptive Literature
ALBERT KAHN ASSOCIATED ARCHITECTS and ENGINEERS, INC.

Above is shown new plant of the Ford Motor Company, Atlanta, Georgia.

BELOW: Two views of the new plant for Buick Motors Division of General Motors Corporation, in Flint, Michigan.
DETROIT ELECTRICAL CONTRACTORS ASSOCIATION
Incorporated
Chapter of
NATIONAL ELECTRICAL CONTRACTORS ASSOCIATION

MEMBERSHIP

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>DON BLACKBURN &amp; CO.</td>
<td>1007 Holden Avenue, Detroit 2, Michigan</td>
</tr>
<tr>
<td>BROOKER ENGINEERING CO.</td>
<td>962 East Congress Street, Detroit 7, Michigan</td>
</tr>
<tr>
<td>JOHN H. BUSBY COMPANY</td>
<td>826 Cherry Street, Detroit 1, Michigan</td>
</tr>
<tr>
<td>CARR-WELLER ENGINEERING CO.</td>
<td>611 West Larned Street, Detroit 26, Michigan</td>
</tr>
<tr>
<td>COMMERCIAL ENGINEERING CO.</td>
<td>1432 Holden Avenue, Detroit 8, Michigan</td>
</tr>
<tr>
<td>DUEWEKE-HECHINGER ELECTRIC CO.</td>
<td>3401 Grandy Avenue, Detroit 7, Michigan</td>
</tr>
<tr>
<td>FIFE-PEARCE ELECTRIC COMPANY</td>
<td>1446 Gratiot Avenue, Detroit 7, Michigan</td>
</tr>
<tr>
<td>JACK A. FROST</td>
<td>234 Piquette Avenue, Detroit 2, Michigan</td>
</tr>
<tr>
<td>W. D. GALE, INC.</td>
<td>7145 Tireman Avenue, Detroit 4, Michigan</td>
</tr>
<tr>
<td>GENERAL ELECTRICAL ENGINEERING CO., INC.</td>
<td>3921 Beaufait Avenue, Detroit 7, Michigan</td>
</tr>
<tr>
<td>THE W. G. GRABMAN ELECTRIC CO.</td>
<td>1406 Field Avenue, Detroit 14, Michigan</td>
</tr>
<tr>
<td>HYDON-BRAND COMPANY</td>
<td>540 East Larned Street, Detroit 26, Michigan</td>
</tr>
<tr>
<td>KUEHNE ELECTRIC COMPANY, INC.</td>
<td>621 Transportation Building, Detroit 26, Michigan</td>
</tr>
<tr>
<td>J. LIVINGSTON &amp; COMPANY</td>
<td>138 Duffield Street, Detroit 1, Michigan</td>
</tr>
<tr>
<td>LONG ELECTRIC COMPANY</td>
<td>1330 Michigan Theatre Building, Detroit 26, Michigan</td>
</tr>
<tr>
<td>McCLEARY-HARMON COMPANY</td>
<td>2470 Grand River Avenue, Detroit 1, Michigan</td>
</tr>
<tr>
<td>JOHN MILLER ELECTRIC COMPANY, INC.</td>
<td>711 Fisher Building, Detroit 2, Michigan</td>
</tr>
<tr>
<td>MILLER-SELDEN ELECTRIC CO.</td>
<td>1930 McGraw Avenue, Detroit 8, Michigan</td>
</tr>
<tr>
<td>OFENSTEIN ENGINEERING COMPANY</td>
<td>2980 Glendale Avenue, Detroit 6, Michigan</td>
</tr>
<tr>
<td>OMAR-SCHAEFER ELECTRIC CO., INC.</td>
<td>6336 Charlevoix Avenue, Detroit 7, Michigan</td>
</tr>
<tr>
<td>F. J. O'TOOLE COMPANY</td>
<td>550 West Baltimore Avenue, Detroit 2, Michigan</td>
</tr>
<tr>
<td>GRAY ELECTRIC COMPANY, INC.</td>
<td>627 Jones Street, Detroit 26, Michigan</td>
</tr>
<tr>
<td>HALL ENGINEERING COMPANY</td>
<td>888 West Baltimore Avenue, Detroit 2, Michigan</td>
</tr>
<tr>
<td>HAMILL ELECTRIC COMPANY</td>
<td>6544 Beaubien Street, Detroit 2, Michigan</td>
</tr>
<tr>
<td>HARLAN ELECTRIC COMPANY</td>
<td>3139 Hamilton Avenue, Detroit 1, Michigan</td>
</tr>
<tr>
<td>HATZEL &amp; BUEHLER, INC.</td>
<td>620 Murphy Building, Detroit 26, Michigan</td>
</tr>
<tr>
<td>HOWARD ELECTRIC COMPANY</td>
<td>622 Rivard Street, Detroit 7, Michigan</td>
</tr>
<tr>
<td>E. A. PEARSON</td>
<td>31241 Lahser Road R.F.D. #5, Birmingham, Michigan</td>
</tr>
<tr>
<td>REID ELECTRIC COMPANY</td>
<td>21 Gerald Avenue, Highland Park, Michigan</td>
</tr>
<tr>
<td>SHAW &amp; KAUTH ELECTRIC COMPANY</td>
<td>9316 Burnette Avenue, Detroit 4, Michigan</td>
</tr>
<tr>
<td>SOUTHEASTERN ELECTRIC COMPANY</td>
<td>7040 Farnsworth Avenue, Detroit 11, Michigan</td>
</tr>
<tr>
<td>SPAULDING ELECTRIC COMPANY, INC.</td>
<td>1350 Michigan Avenue, Detroit 26, Michigan</td>
</tr>
<tr>
<td>TRIANGLE ELECTRIC COMPANY</td>
<td>80 Brady Street, Detroit 1, Michigan</td>
</tr>
<tr>
<td>TURNER ENGINEERING COMPANY</td>
<td>461 Brainard Street, Detroit 1, Michigan</td>
</tr>
</tbody>
</table>

CARL J. SCHOENINGER, Secretary-Manager

Room 616, Hotel Book-Cadillac Detroit, Michigan CHerry 5452—CADillac 8000
C. Howard Crane, A.I.A.
London and Detroit

Shown on this page and on page 45 are views of a machine shop recently completed in Wolverhampton, England, by C. Howard Crane, Architect.

Mr. Crane states that he is educating them over there to the bent-girder type of construction. One end of those shown here is temporary and can be taken down and moved bodily when the next extension is put on.

The Crane office in London also has recently completed a new Wheel Shop, the plant being put into operation soon after the first of the year. This plant, at Wellington, is said to be the finest Wheel Shop in the world.

Another of the recent Crane projects is a new plant in Wales for making Briggs Beautyware.

Mr. Crane states that architects of England have been hard-hit, because the Government has further tightened up on all of its controls and there is practically nothing being built except housing units, which are not from architects' designs but by Government bureaus. The work from the Crane office in the industrial field is of a nature that has to do with components for housing or for articles for export.

FEBRUARY 25, 1947
BRICK and TILE
Of All Kinds • For All Purposes

FACE BRICK • FIRE BRICK
GLAZED AND UNGLAZED TILE
FLOOR BRICK • PAVING BRICK
ACID BRICK • ACID PROOF CEMENT

ANTI-HYDRO
Concrete Waterproofing • Floor Hardener

Over fifty years of continuous successful dealings with both architects and builders is your guarantee of

QUALITY PRODUCTS • SERVICE

FREDERICK B. STEVENS, INC.
BUILDING MATERIALS DEPARTMENT
510 Third Street • Randolph 5990
DETROIT 26, MICHIGAN

The RIGHT roof for any job—
from ONE source!

Remember that Ruberoid makes every type of built-up roof—Smooth Surfaced Asbestos, Coal Tar Pitch with gravel or slag surfacing, or smooth or gravel-and-slag surfaced Asphalt—in specifications to meet any need. Hence a Ruberoid Approved Roofer is not prejudiced in favor of any one type. This gives you one source for all materials, centralized responsibility, smoother operation, uniform quality!

The RUBEROID Co.
Executive Offices: 500 Fifth Ave., New York 18, N.Y.
307 No. Michigan Avenue, Chicago 1, Ill.
Room 2937, Book Building, Detroit 26, Mich.

THE DONALD MILLER COMPANY

PLUMBING — HEATING
AIR CONDITIONING
INDUSTRIAL PIPING
FIRE PROTECTION SYSTEMS
POWER PIPING

1718-1720 Brush St. RANDOLPH 2800
Detroit 26, Michigan

Sterilamp
CONNECTION

Ultra-Violet Rays:—
Personal — Product — Animal PROTECTION

Exclusive WESTINGHOUSE DISTRIBUTORS
Sales & Engineering Service
STER-L-RAY Sales and Service Company
4470 Cass Avenue Temple 1-5461
DETROIT 1, MICHIGAN

IF IT'S STERILAMP IT'S WESTINGHOUSE
Another view of the interior of the Machine Shop at Wolverhampton, England.

C. HOWARD CRANE, A. I. A., ARCHITECT, OF DETROIT and LONDON

FEBRUARY 25, 1947
Specify MARLITE for WALLS and CEILINGS in All Types of Interiors

Plastic-finished Marlite is an "architect's material"... for all types of rooms, in all types of buildings. It permits, without creative restrictions, the range of interior design you want for a host of decorative effects, new and conventional.

Large-size, factory-finished panels come in a wide variety of colors, make installation easy, practical and economical for new construction and remodeling alike.

To convert, consistently, interior ideas into client satisfaction... specify Marlite.

PLAIN COLORS • HORIZONTALINE • TILE PATTERN • WOOD VENEERS • MARBLE PATTERN

MARSH WALL PRODUCTS, Inc.
71 Main Street, Dover, Ohio

PLASTIC-FINISHED WALL PANELS • FOR CREATING BEAUTIFUL INTERIORS

James E. Degan Company
2130 FRANKLIN ST.
DETROIT 7
Fitzroy 5960

All Sizes in Stock for Immediate Delivery

C.R. Gelert COMPANY

NO DOWN DRAFT LOW COST
HIGHEST EFFICIENCY
LIGHT WEIGHT LOW SILHOUETTE
NO BASE REQUIRED

Full Engineering Data Available

WEEKLY BULLETIN
First display of a model of the proposed Governor's mansion at the Michigan Association Press convention brought a variety of comments.

"It looks like the Taj Mahal in a cabbage patch," one spectator said.

"OOOH," murmured others, with more appreciation of the long rambling building that is a pastel pink.

The architect, Alden Dow, of Midland, said the color would actually be "salmon brick."

Indefinite plans call for the mansion to be built in what is now a two-block long Lansing park two blocks from the Capitol.

Administration officials have indicated that action won't be pressed on any kind of a mansion until there are more definite signs of solving the housing shortage for Michigan veterans.
MOBILE WOOD PARTITIONS AND WAINSCOT

- FIT ANY OFFICE — OLD OR NEW — INTERCHANGEABLE — SOUND RESISTANT
- EASY TO INSTALL, DISMANTLE AND RE-ARRANGE — EASILY WIRED FOR SWITCHES AND ELECTRICAL OUTLETS
- AVAILABLE IN SECTIONS TO FIT ANY LAYOUT
- RICHLY FINISHED TO BRING OUT NATURAL BEAUTY

WESTOVER KAMM. CO.
BAY CITY, MICH.

ZONOLITE Insulating Concrete
For Radiant Heating and Basementless Houses

When radiant heating is specified, a Zonolite Insulating Concrete base under coils prevents downward heat losses. Topped with ordinary concrete, practically ALL heat travels upward—rooms heat faster. Provides warm, dry floors; in basementless houses; and the low heat capacity of Zonolite Insulating Concrete prevents condensation on floor surface on warm humid days. Write us for full details now!

UNIVERSAL ZONOLITE INSULATION CO.
Dept. MSA-27, 129 S. La Salle St.
Chicago 3, Ill.

SEE YOUR LOCAL LUMBER AND BUILDING MATERIAL DEALER

KIMBALL & WILSON, INC.
WHOLESALE SASH AND DOORS

MORGAN AUTHENTIC WOODWORK
ANDERSEN WINDOW UNITS

DETROIT 3, MICHIGAN
2127 Fenkell Ave.

Better Health through Better Plumbing
WE STRIVE TO RENDER THAT SERVICE.

Our products are selected from the latest and best in both quality and design.

The priceless ingredient of any product is the honor and integrity of him who makes it . . . yes, and of him who sells it . . . so goes an old adage.

OUR PLUMBING AND HEATING DEPARTMENTS ARE ALWAYS ANXIOUS TO SERVE YOU.

NELSON COMPANY
2604 Fourth Ave.
Detroit 1, Mich.
Royal Oak - Grosse Pointe - Ann Arbor
## ROSTER
### MICHIGAN SOCIETY OF ARCHITECTS

Membership in the Michigan Society of Architects is composed of corporate members of the American Institute of Architects, through the three Michigan chapters (Detroit 420, Grand Rapids 53, and Saginaw Valley 19) and 64 non-resident Michigan registered architects who have paid annual dues—492. In addition, the Detroit Chapter has 118 Associates. Grand Rapids Chapter 10—Grand Total, 810.

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABRAHAMS, PIETER</td>
<td>21345 Bennett St., Detroit 21</td>
<td>Detroit</td>
</tr>
<tr>
<td>ABRAMS, HENRY J.</td>
<td>16128 Fairfield, Detroit 21</td>
<td>Detroit</td>
</tr>
<tr>
<td>ACKLEY, CLARK R.</td>
<td>327 Hollister Bldg., Lansing 8</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>AGREE, ALLAN G.</td>
<td>13835 LaSalle, Apt. 15, Detroit 6</td>
<td>Detroit</td>
</tr>
<tr>
<td>AGREE, CHARLES N.</td>
<td>1140 Book Bldg, Detroit 26</td>
<td>Detroit</td>
</tr>
<tr>
<td>AITKEN, ROBERT JAMES</td>
<td>1993 W. Liberty, Ann Arbor</td>
<td>Ann Arbor</td>
</tr>
<tr>
<td>AITKIN, WILLIAM ROY</td>
<td>D. A. C., Detroit 26</td>
<td>Detroit</td>
</tr>
<tr>
<td>ALBERT, AUGUSTUS JAS</td>
<td>3254 W. Michigan Ave., Kalamazo</td>
<td>Kalamazo</td>
</tr>
<tr>
<td>ALLEN, ALFRED P.</td>
<td>225 N. Michigan Ave., Chicago</td>
<td>Chicago</td>
</tr>
<tr>
<td>ALLEN, ROGER</td>
<td>1126 G. R. Nat'l Bank Bldg., Grand Rapids 2</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>ALLEN, RUSSELL A.</td>
<td>205 S. West Ave., Jackson</td>
<td>Jackson</td>
</tr>
<tr>
<td>ALLEN, SAMUEL C.</td>
<td>312 S. Washington Ave., Saginaw</td>
<td>Saginaw</td>
</tr>
<tr>
<td>ALTMiKS, HENRY F.</td>
<td>345 New Center Bldg., Detroit 2</td>
<td>Detroit</td>
</tr>
<tr>
<td>ANDERSON, D. C.</td>
<td>4909 Palmer Ave., Dearborn</td>
<td>Dearborn</td>
</tr>
<tr>
<td>ANDERSON, DAVID E.</td>
<td>301 Nester Blk., Marquette</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>ANDERSON, LESTER F.</td>
<td>9 Leighton Pl., Silver Springs, Maryland</td>
<td>Detroit</td>
</tr>
<tr>
<td>ANICA, WALTER T.</td>
<td>2291 Dhu Varren Rd., Ann Arbor</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>ARNOLD, E. B.</td>
<td>15372 Turner Ave., Detroit 21</td>
<td>Detroit</td>
</tr>
<tr>
<td>ARNTZEN, ARNE</td>
<td>P.O. Box 66, Inyackern, Calif.</td>
<td>Detroit</td>
</tr>
<tr>
<td>ARNTZEN, GOTHARD</td>
<td>820 S. 16th St., Escanaba</td>
<td>Detroit</td>
</tr>
<tr>
<td>ASKEW, LYALL H.</td>
<td>20151 Coventry Ave., Detroit 3</td>
<td>Detroit</td>
</tr>
<tr>
<td>ATTWOOD, CHARLES W.</td>
<td>4334 Monroe St., Wayne</td>
<td>Wayne</td>
</tr>
<tr>
<td>BACHMANN, GEORGE J.</td>
<td>213 Dryden Bldg., Flint 3</td>
<td>Flint, Michigan</td>
</tr>
<tr>
<td>BAGLEY, ALFRED J.</td>
<td>15270 Young, Detroit 5</td>
<td>Detroit</td>
</tr>
<tr>
<td>BAILEY, EDWARD DURBIN</td>
<td>903 W. Grand Blvd., Detroit 8</td>
<td>Detroit</td>
</tr>
<tr>
<td>BAILEY, ROGER</td>
<td>4017 Washtenaw Rd., Ann Arbor</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>BAINES, HARRY S.</td>
<td>Route No. 1, Birmingham</td>
<td>Birmingham</td>
</tr>
<tr>
<td>BAKER, JOHN P.</td>
<td>115 A State Office Bldg., Lansing</td>
<td>Lansing</td>
</tr>
<tr>
<td>BARCROFT, FREDERIC</td>
<td>No Address</td>
<td>No Address</td>
</tr>
<tr>
<td>BARNES, C. F. J.</td>
<td>3774 Gladstone Ave., Detroit 6</td>
<td>Detroit</td>
</tr>
<tr>
<td>BASSO, VICTOR J.</td>
<td>700 Lawyers Bldg., Detroit 26</td>
<td>Detroit</td>
</tr>
<tr>
<td>BATES, CHARLES E.</td>
<td>15023 Harper Ave., Detroit 24</td>
<td>Detroit</td>
</tr>
<tr>
<td>BAUER, LEO M.</td>
<td>534 Free Press Bldg., Detroit 26</td>
<td>Detroit</td>
</tr>
<tr>
<td>BAUER, RALPH L.</td>
<td>134 E. Front St., Traverse City</td>
<td>Traverse City</td>
</tr>
<tr>
<td>BAUGH, WILLARD H.</td>
<td>R. I. Millington, Mich.</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>BAUMANN, CARL L.</td>
<td>14781 Tacoma Ave., Detroit 5</td>
<td>Detroit</td>
</tr>
<tr>
<td>BEAM, HAROLD A.</td>
<td>14200 Woodmont Rd., Detroit 27</td>
<td>Detroit</td>
</tr>
<tr>
<td>BEATTY, HAMILTON</td>
<td>1858 Page Ave., E. Cleveland 12, Ohio</td>
<td>Cleveland</td>
</tr>
<tr>
<td>BECKETT, HAROLD C.</td>
<td>760 W. Euclid Ave., Detroit 2</td>
<td>Detroit</td>
</tr>
<tr>
<td>BECKBISSINGER, FREDERICK</td>
<td>304 Carroll St., Saginaw</td>
<td>Saginaw</td>
</tr>
<tr>
<td>BEIDLER, HERBERT B.</td>
<td>952 Michigan Ave. N., Chicago, Ill.</td>
<td>Chicago</td>
</tr>
<tr>
<td>BELL, D. CARLTON</td>
<td>12557 Camden St., Detroit 13</td>
<td>Detroit</td>
</tr>
<tr>
<td>BELCO, MOSSIE</td>
<td>10901 Ozga Rd., Romulus</td>
<td>Romulus</td>
</tr>
<tr>
<td>BELSER, KARL J.</td>
<td>City County Bldg., Los Angeles, Calif.</td>
<td>Los Angeles</td>
</tr>
<tr>
<td>BENJAMIN, A. T.</td>
<td>Watson Bldg., Grand Rapids</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>BENJAMIN, GLENN H.</td>
<td>2730 Fairfield Ave., Kalamazo 32</td>
<td>Grand Rapids</td>
</tr>
<tr>
<td>BENJAMIN, I. H.</td>
<td>129 Pingree Ave., Detroit 2</td>
<td>Detroit</td>
</tr>
</tbody>
</table>

*February 25, 1947*
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bennett, L. R.</td>
<td>Schaefer Bldg., Dearborn</td>
</tr>
<tr>
<td>Bennett, M. Fred</td>
<td>345 New Center Bldg., Detroit 2</td>
</tr>
<tr>
<td>Bennett, Wells</td>
<td>500 Highland Rd., Ann Arbor</td>
</tr>
<tr>
<td>Bergey, Arthur I</td>
<td>832 Pearson Ave., Ferndale 20</td>
</tr>
<tr>
<td>Bergey, Frank A</td>
<td>5550 Bedford, Detroit 24</td>
</tr>
<tr>
<td>Bernardi, Walter A</td>
<td>932 Burlingame Ave., Detroit 2</td>
</tr>
<tr>
<td>Bery, George J.</td>
<td>24050 Roanoke Rd., Ferndale</td>
</tr>
<tr>
<td>Billingham, Milton C. J.</td>
<td>211 Woodward Ave., Kalamazoo 27</td>
</tr>
<tr>
<td>Binda, Guido A</td>
<td>P. O. Box 133, Battle Creek</td>
</tr>
<tr>
<td>Bingman, Robert E</td>
<td>18600 Wisconsin Ave., Detroit 21</td>
</tr>
<tr>
<td>Bissell, Edward E</td>
<td>1184 Edgewood Ave., Birmingham</td>
</tr>
<tr>
<td>Black, Kenneth C</td>
<td>706 Capitol Savings &amp; Loan Bldg., Lansing 68</td>
</tr>
<tr>
<td>Black, Lee</td>
<td>706 Capitol Savings &amp; Loan Bldg., Lansing 68</td>
</tr>
<tr>
<td>Blair, John O</td>
<td>2000 Second Ave., Detroit 26</td>
</tr>
<tr>
<td>Blakeslee, L. Robert</td>
<td>18218 Stoepel Ave., Detroit 21</td>
</tr>
<tr>
<td>Blood, Marion Frances</td>
<td>367 Monroe, Muskegon</td>
</tr>
<tr>
<td>Blume, Louis J</td>
<td>345 New Center Bldg., Detroit</td>
</tr>
<tr>
<td>Boardman, Charles E</td>
<td>14673 Young Avenue, Detroit 5</td>
</tr>
<tr>
<td>Bohlen, August C</td>
<td>1001 Majestic Bldg., Indianapolis 4, Ind.</td>
</tr>
<tr>
<td>Bowling, Jesse L</td>
<td>1000 Marquette Bldg., Detroit 26</td>
</tr>
<tr>
<td>Bragg, Stanley</td>
<td>391 W. Maplehurst Ave., Ferndale 20</td>
</tr>
<tr>
<td>Brandt, Christian W</td>
<td>1418 Woodward, Royal Oak</td>
</tr>
<tr>
<td>Braun, George J.</td>
<td>228 N. LaSalle St., Chicago 4, Ill.</td>
</tr>
<tr>
<td>Brezner, Philip</td>
<td>1314 Mich. Bldg., Detroit 26</td>
</tr>
<tr>
<td>Bringham, George B, Jr.</td>
<td>517 Oxford Rd., Ann Arbor</td>
</tr>
<tr>
<td>Broecker, Erwin L</td>
<td>251 S. Main St., Romeo, Mich.</td>
</tr>
<tr>
<td>Brown, Paul B</td>
<td>137 Elmhurst, Detroit 3</td>
</tr>
<tr>
<td>Brown, H. Sanborn</td>
<td>83 Meadow Lane, Grosse Pte. 30</td>
</tr>
<tr>
<td>Brown, Paul Bradley</td>
<td>1507 Stroh Bldg., Detroit 26</td>
</tr>
<tr>
<td>Bryant, Daniel C</td>
<td>1419 Church St., Evanston, Ill.</td>
</tr>
<tr>
<td>Brysselbou, Paul A</td>
<td>103½ Washington Ave., Saginaw</td>
</tr>
<tr>
<td>Budke, Ernst</td>
<td>1000 Marquette Bldg., Detroit 26</td>
</tr>
<tr>
<td>Bulthuis, Alfred K</td>
<td>208 Elm St., Kalamazoo 10</td>
</tr>
<tr>
<td>Burns, Alfred</td>
<td>103 Pallister Ave., Detroit 2</td>
</tr>
<tr>
<td>Burns, J. K.</td>
<td>Garden City Hotel, Garden City, L. I., N. Y.</td>
</tr>
<tr>
<td>Burrowes, Marcus R</td>
<td>700 Architects Bldg., Detroit 1</td>
</tr>
<tr>
<td>Butterfield, Emily Helen</td>
<td>Box 293, Algonac</td>
</tr>
<tr>
<td>Calder, Ralph R</td>
<td>1212 Kales Bldg., Detroit 26</td>
</tr>
<tr>
<td>Calder, Robert F</td>
<td>18100 Greenlawn Ave., Detroit 21</td>
</tr>
<tr>
<td>Caldwell, Lawrence E</td>
<td>13606 Stoepel Ave., Detroit 4</td>
</tr>
<tr>
<td>Campan, A. B.</td>
<td>734 Mich. Trust Bldg., Grand Rapids 2</td>
</tr>
<tr>
<td>Campbell, Carlton P</td>
<td>2903 Biddle Ave., Wyandotte</td>
</tr>
<tr>
<td>Carnegie, Edw. J</td>
<td>1st &amp; Broadmoor St., Colorado Springs, Col.</td>
</tr>
<tr>
<td>Carson, Frank S</td>
<td>216 Michigan Theatre Bldg., Ann Arbor</td>
</tr>
<tr>
<td>Carter, Thomas A</td>
<td>427 N. Bundy Drive, Los Angeles 24, Calif.</td>
</tr>
<tr>
<td>Chanel, Adelbert B</td>
<td>9 Merwood Drive, Battle Creek</td>
</tr>
<tr>
<td>Chittenden, Alphens</td>
<td>1st &amp; Broadmoor St., Colorado Springs, Col.</td>
</tr>
<tr>
<td>Cerny, Jerome Robert</td>
<td>999 Ringwood Rd., Lake Forest, Ill.</td>
</tr>
<tr>
<td>Charn, Victor</td>
<td>4744 W. Rice St., Chicago 51, Ill.</td>
</tr>
<tr>
<td>Chute, Percy H</td>
<td>Rt. No. 1, Lincoln Lake, Gowen</td>
</tr>
<tr>
<td>Clapp, John E</td>
<td>4066 Ivanhoe Ave., Detroit 4</td>
</tr>
<tr>
<td>Clark, Edwin H</td>
<td>75 E. Wacker Dr., Chicago 1, Ill.</td>
</tr>
<tr>
<td>Clark, Erroll R</td>
<td>5511 Argyle Ave., Dearborn</td>
</tr>
<tr>
<td>Cleland, Eugene T</td>
<td>General Delivery, Waterford</td>
</tr>
<tr>
<td>Cole, Lyle S</td>
<td>7376 Grand River Ave., Detroit 2</td>
</tr>
<tr>
<td>Colvin, F. Huston</td>
<td>2010 Longshore Drive, Ann Arbor</td>
</tr>
<tr>
<td>Confer, Earl L</td>
<td>14000 Strathmoor Ave., Detroit 27</td>
</tr>
<tr>
<td>Cook, Harrison L</td>
<td>340 Ferndale Ave., Birmingham</td>
</tr>
<tr>
<td>Cottrell, Don M</td>
<td>3611 Las Palmas, Glendale 8, Cal.</td>
</tr>
<tr>
<td>Coughlan, Norman H</td>
<td>3400 Bewick Ave., Detroit 14</td>
</tr>
<tr>
<td>Coughlen, Gardiner C</td>
<td>Columbus Bldg., Green Bay, Wisc.</td>
</tr>
<tr>
<td>Cousins, J. Lester</td>
<td>409 Griswold St., Detroit 26</td>
</tr>
<tr>
<td>Name</td>
<td>Address</td>
</tr>
<tr>
<td>-----------------------</td>
<td>----------------------------------------------</td>
</tr>
<tr>
<td>Cowin, Julian R.</td>
<td>1507 Stroh Bldg., Detroit</td>
</tr>
<tr>
<td>Cox, Cyril F.</td>
<td>11-135 G. M. Bldg., Detroit</td>
</tr>
<tr>
<td>Cox, Frank E.</td>
<td>1944 Monterey Ave., Detroit</td>
</tr>
<tr>
<td>Crane, C. Howard</td>
<td>54 Victoria, London S. W., Eng.</td>
</tr>
<tr>
<td>Creaser, William H.</td>
<td>25406 Parkwood Drive, Huntington Woods</td>
</tr>
<tr>
<td>Crowe, Charles A.</td>
<td>734 Mich. Trust Bldg., Grand Rapids</td>
</tr>
<tr>
<td>Cronin, John T.</td>
<td>345 New Center Bldg., Detroit</td>
</tr>
<tr>
<td>Curry, Harvey C.</td>
<td>1008 Third St., Jackson</td>
</tr>
<tr>
<td>Darling, J. Dale</td>
<td>757 W. Oakridge, Ferndale</td>
</tr>
<tr>
<td>Day, Clarence E.</td>
<td>1507 Stroh Bldg., Detroit</td>
</tr>
<tr>
<td>Dean, Frank E.</td>
<td>Haven Hills, Albion</td>
</tr>
<tr>
<td>Defonds, Arderay</td>
<td>4811 March Ave., Dallas 9, Tex.</td>
</tr>
<tr>
<td>Dearstyne, Howard B.</td>
<td>Cranbrook Acdy. Arts, Bloomfield Hills</td>
</tr>
<tr>
<td>Derrick, Robert O.</td>
<td>515 Hammond Bldg., Detroit</td>
</tr>
<tr>
<td>Des Rosiers, Arthur</td>
<td>15850 Jas. Couzens Hwy., Detroit</td>
</tr>
<tr>
<td>Devos, Peter</td>
<td>9161 Normalview, Kalamazoo</td>
</tr>
<tr>
<td>Devries, Bernard Jerin</td>
<td>613 Hackley Union Nat. Bank, Muskegon</td>
</tr>
<tr>
<td>Diehl, George F.</td>
<td>120 Madison Ave., Detroit</td>
</tr>
<tr>
<td>Dise J. Ivan</td>
<td>2631 Woodward Ave., Detroit</td>
</tr>
<tr>
<td>Ditchy, Claiw W.</td>
<td>5 W. Larned St., Detroit</td>
</tr>
<tr>
<td>Dittmer, Ralph T.</td>
<td>302 Sherman Bldg., Flint</td>
</tr>
<tr>
<td>Dole, Walter M.</td>
<td>13630 Greiner Ave., Detroit</td>
</tr>
<tr>
<td>Donaldson, Alex G.</td>
<td>1601 Washington Blvd. Bldg., Detroit</td>
</tr>
<tr>
<td>Donkervoet, C.</td>
<td>14364 Faust Ave., Detroit</td>
</tr>
<tr>
<td>Dow, Alden B.</td>
<td>315 Post St., Midland</td>
</tr>
<tr>
<td>Drainie, John G.</td>
<td>7417 Second Blvd., Detroit</td>
</tr>
<tr>
<td>Dunbar, Reed M.</td>
<td>Raisig Bldg., Monroe</td>
</tr>
<tr>
<td>Dworski, Joseph F.</td>
<td>14529 Madelein Ave., Detroit</td>
</tr>
<tr>
<td>Eastman, Raye C.</td>
<td>233 Crest Ave., Ann Arbor</td>
</tr>
<tr>
<td>Edwards, Louis A.</td>
<td>4047 Ida Ave., Detroit</td>
</tr>
<tr>
<td>Ehler, Harold H.</td>
<td>Box 474, Franklin</td>
</tr>
<tr>
<td>Ehmann, William</td>
<td>104 S. Michigan Ave., Chicago</td>
</tr>
<tr>
<td>Ellwood, F. E.</td>
<td>1303 N. Stone Ave., Tucson, Ariz.</td>
</tr>
<tr>
<td>Emmerring, Alfred C.</td>
<td>17580 Hartwell, Detroit</td>
</tr>
<tr>
<td>Eugene, Alexander</td>
<td>1320 W. 74th St., Chicago 36, Ill.</td>
</tr>
<tr>
<td>Fairbrother, Frederic A</td>
<td>345 New Center Bldg., Detroit</td>
</tr>
<tr>
<td>Fairclough, Stanley D.</td>
<td>.828 Exchange Ave., Chicago 9, Ill.</td>
</tr>
<tr>
<td>Faulhaber, Francis A.</td>
<td>128 E. Maumee St., Adrian, Mich.</td>
</tr>
<tr>
<td>Feilow, Albert C.</td>
<td>719 N. State St., Chicago 10, Ill.</td>
</tr>
<tr>
<td>Fernbach, Richard B.</td>
<td>9th Floor, Griswold Bldg., Detroit</td>
</tr>
<tr>
<td>Fink, Bernard</td>
<td>14575 Schaefer Hwy., Detroit</td>
</tr>
<tr>
<td>Finn, Robert</td>
<td>1019 Francis Palms Bldg., Detroit</td>
</tr>
<tr>
<td>Finster, Chester G.</td>
<td>408 Garland St., Davison</td>
</tr>
<tr>
<td>Fisher, Harold H.</td>
<td>1605 Ind. Bank Bldg., Detroit</td>
</tr>
<tr>
<td>Fisler, Edward C.</td>
<td>Box 217, South Lyons, Mich.</td>
</tr>
<tr>
<td>Flanagan, Paul E.</td>
<td>634 Lake Drive, S. E., Grand Rapids</td>
</tr>
<tr>
<td>Fleischaker, Stanley</td>
<td>2771 W. Eight Mile Rd., Detroit</td>
</tr>
<tr>
<td>Fortney, Ralph B.</td>
<td>16178 Woodingham Dr., Detroit</td>
</tr>
<tr>
<td>Foster, Clayton</td>
<td>19 Rector St., New York 6, N. Y.</td>
</tr>
<tr>
<td>Fowler, Homer A.</td>
<td>1217 Griswold St., Detroit</td>
</tr>
<tr>
<td>Francisco, Ferris L.</td>
<td>511 Fifth Ave., New York 17, N. Y.</td>
</tr>
<tr>
<td>Frantz, Robert B.</td>
<td>118 N. Washington Ave., Saginaw</td>
</tr>
<tr>
<td>Fraser, Willard E.</td>
<td>4630 W. Burleigh, Milwaukee</td>
</tr>
<tr>
<td>Freier, Henry M.</td>
<td>300 Murphy Bldg., Detroit</td>
</tr>
<tr>
<td>French, Joseph N.</td>
<td>345 New Center Bldg., Detroit</td>
</tr>
<tr>
<td>Frost, Bary L.</td>
<td>244 Jeffries Ave., Minrovia, Calif.</td>
</tr>
<tr>
<td>Frost, Wallace</td>
<td>203 Wabek Bldg., Birmingham</td>
</tr>
</tbody>
</table>
DARIN AND ARMSTRONG
Incorporated
GENERAL CONTRACTORS

2041 FENKELL AVENUE
DETROIT 3, MICHIGAN

STROM CONSTRUCTION COMPANY

General Contractors
and Builders

FIRST AND LEXINGTON
GRAND RAPIDS 4, MICHIGAN
<table>
<thead>
<tr>
<th>Name</th>
<th>Address 1</th>
<th>City, State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fry, Lynn W</td>
<td>1206 Orkney Dr., Ann Arbor</td>
<td></td>
</tr>
<tr>
<td>Fuchs, G. J</td>
<td>2285 Fischer Ave., Detroit</td>
<td>14</td>
</tr>
<tr>
<td>Fugard, John R</td>
<td>520 N. Michigan Ave.,</td>
<td>Chicago 11, Ill.</td>
</tr>
<tr>
<td>Fuger, Frederick W</td>
<td>160 McMillan Ave.,</td>
<td>Grosse Pointe 30</td>
</tr>
<tr>
<td>Funke, Philip J</td>
<td>20426 Picadilly, Detroit</td>
<td>21</td>
</tr>
<tr>
<td>Furlong, Harold B</td>
<td>18805 Linwood Ave.,</td>
<td>Detroit 21</td>
</tr>
<tr>
<td>Fusco, Joseph A</td>
<td>P. O. Box 1126, Miami</td>
<td>Beach 39, Fla.</td>
</tr>
<tr>
<td>Gabler, Cornelius L. T</td>
<td>924 Hammond Bldg.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Gamber, Branson V</td>
<td>515 Hammond Bldg.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Garstekl, Walter F</td>
<td>8908 Ferry Road, Grosse I</td>
<td>Le</td>
</tr>
<tr>
<td>Gavin, Donald</td>
<td>3800 Terminal Bldg.,</td>
<td>Cleveland, Ohio</td>
</tr>
<tr>
<td>Gay, John Buchanan</td>
<td>273 Euclid Ave.,</td>
<td>Birmingham</td>
</tr>
<tr>
<td>Geirke, Hans</td>
<td>751 Griswold St.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Geniesse, L. A</td>
<td>208 Sheridan Bldg.,</td>
<td>Green Bay, Wis.</td>
</tr>
<tr>
<td>Gerganoff, R.S.</td>
<td>206 N. Washington St.,</td>
<td>Ypsilanti 17</td>
</tr>
<tr>
<td>Giberson, Edgar D.</td>
<td>4309 Nottingham, Detroit</td>
<td>24</td>
</tr>
<tr>
<td>Gies, Roland C</td>
<td>2194 Cadillac Blvd.,</td>
<td>Detroit 14</td>
</tr>
<tr>
<td>Gildersleeve, Forrest A</td>
<td>1927 So. West Ave.,</td>
<td>Jackson</td>
</tr>
<tr>
<td>Girard, Alexander H</td>
<td>380 Lakeland Ave.,</td>
<td>Grosse Pointe 30</td>
</tr>
<tr>
<td>Goddeyne, Joseph C</td>
<td>417 Bay City Bank Bldg.,</td>
<td>Bay City</td>
</tr>
<tr>
<td>Goldsmith, Donald H</td>
<td>998 Brookwood Court,</td>
<td>Birmingham</td>
</tr>
<tr>
<td>Golincki, Stephen WM</td>
<td>420 Grove, Irvington, N. Y.</td>
<td></td>
</tr>
<tr>
<td>Graf, Herman R</td>
<td>308 Reynolds Bldg.,</td>
<td>Jackson</td>
</tr>
<tr>
<td>Gray, MRS. DoroTHEY D.</td>
<td>2067 Oak Knoll Dr.,</td>
<td>Redwood City, Cal.</td>
</tr>
<tr>
<td>Greenberg, Ernest</td>
<td>15498 Livernois Ave.,</td>
<td>Detroit 21</td>
</tr>
<tr>
<td>Griffin, Francis Eugene</td>
<td>1727 St. Aubin,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Griffith, Orin K</td>
<td>15 Ferrin Place, Mt.</td>
<td>Clemens</td>
</tr>
<tr>
<td>Grosser, Paul C</td>
<td>3930 Beniteau Ave.,</td>
<td>Detroit 14</td>
</tr>
<tr>
<td>Guenther, Werner</td>
<td>85 Edgevale Ave.,</td>
<td>Detroit 3</td>
</tr>
<tr>
<td>Guy, Edgar</td>
<td>282 Newport Ave.,</td>
<td>Detroit 15</td>
</tr>
<tr>
<td>Haas, George J</td>
<td>702 Olympia Bldg.,</td>
<td>Miami 32, Fla.</td>
</tr>
<tr>
<td>Habermas, Carl R</td>
<td>415 Brainard St.,</td>
<td>Detroit 1</td>
</tr>
<tr>
<td>Hadley, Thomas E</td>
<td>48 Wellesley, Royal Oak</td>
<td></td>
</tr>
<tr>
<td>Halpin, Devey</td>
<td>14827 Farrer St.,</td>
<td>Detroit 27</td>
</tr>
<tr>
<td>Hammett, Ralph W</td>
<td>1425 Pontiac Rd.,</td>
<td>Ann Arbor</td>
</tr>
<tr>
<td>Hammond, Maurice E</td>
<td>2288 W. Euclid Ave.,</td>
<td>Detroit 6</td>
</tr>
<tr>
<td>Hannon, Charles D</td>
<td>36668 Howard Rd.,</td>
<td>Farmington</td>
</tr>
<tr>
<td>Hanniken, G. J</td>
<td>8711 Second Blvd.,</td>
<td>Detroit 2</td>
</tr>
<tr>
<td>Hansen, Charles H</td>
<td>Box 401, Whitehall</td>
<td></td>
</tr>
<tr>
<td>Harley, Alvin E</td>
<td>1507 Stroh Bldg.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Harley, Fred M</td>
<td>1507 Stroh Bldg.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Harper, Homer W</td>
<td>Box 18, Shoreham, St.</td>
<td>Joseph</td>
</tr>
<tr>
<td>Harris, Clark E</td>
<td>904 Cooper Ave.,</td>
<td>Lansing 10</td>
</tr>
<tr>
<td>Hartman, Horace W</td>
<td>225 Puritan Ave.,</td>
<td>Detroit 5</td>
</tr>
<tr>
<td>Hartwick, Ernest F</td>
<td>2519 No. Grand River,</td>
<td>Lansing</td>
</tr>
<tr>
<td>Harvey, George L</td>
<td>327 U. S. Bank Bldg.,</td>
<td>Port Huron</td>
</tr>
<tr>
<td>Hastings, Robert F</td>
<td>4267 Buena Vista Ave.,</td>
<td>W.,</td>
</tr>
<tr>
<td>Haughey, Harvey J</td>
<td>112 Madison Ave.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Haughey, Phillip C</td>
<td>412 Post Bldg.,</td>
<td>Battle Creek</td>
</tr>
<tr>
<td>Haveman, James K</td>
<td>900 Adams St., S.E.,</td>
<td>Grand Rapids 7</td>
</tr>
<tr>
<td>Hawes, George S</td>
<td>807 Flint P. Smith Bldg.</td>
<td>Flint 3</td>
</tr>
<tr>
<td>Hayes, John J</td>
<td>732 Adams St., Toledo 2,</td>
<td>Ohio</td>
</tr>
<tr>
<td>Hebrard, Jean</td>
<td>1 Hillcrest Ct.,</td>
<td>Ann Arbor</td>
</tr>
<tr>
<td>Heenan, Leo J</td>
<td>610 Peoples State Bank Bldg., Pontiac 20</td>
<td></td>
</tr>
<tr>
<td>Heter, Albert</td>
<td>1027 Elmwood Ave.,</td>
<td>Fort Wayne 3, Ind.</td>
</tr>
<tr>
<td>Hellmuth, George F</td>
<td>800 Marquette Bldg.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Henschien, H. Peter</td>
<td>50 E. Van Buren,</td>
<td>Chicago 5, Ill.</td>
</tr>
<tr>
<td>Herman, Aloys Frank</td>
<td>131 Lafayette Blvd., W.,</td>
<td>Detroit 26</td>
</tr>
<tr>
<td>Herrick, Fred J</td>
<td>810 Maple St., Albion</td>
<td></td>
</tr>
<tr>
<td>Herrick, Ralph B</td>
<td>510 Rulisan St.,</td>
<td>Lansing 15</td>
</tr>
<tr>
<td>Hertel, Benjamin W</td>
<td>1523 Hall St., S.E.,</td>
<td>Grand Rapids 8</td>
</tr>
</tbody>
</table>
IT WILL PAY YOU
TO INVESTIGATE
LOWEST RATES
WE MAKE NO SERVICE CHARGE

MORTGAGE LOANS
WESTERN & SOUTHERN LIFE INSURANCE CO.

Detroit Office
602 STEPHENSON BUILDING — 6560 CASS AVENUE

Telephone MADISON 1750
L. C. JANISSE, Manager

MICHIGAN SOCIETY OF ARCHITECTS

LUMBER
SPECIAL MILLWORK
BUILDING MATERIAL

STILES, Incorporated

ALLIED STEEL & CONVEYORS, INC.

FABRICATORS
of
MISCELLANEOUS IRON
and
Conveyors
of all Types

17333 Healy Ave.
DETROIT 12, MICHIGAN

WESTERN WATERPROOFING COMPANY
WATERPROOFING CONTRACTORS & ENGINEERS
155 West Congress, Detroit 26, Michigan

Ironite — For Below-Grade Work

Resto-Crete — For Above-Grade Work

29TH YEAR OF CONTINUOUS SERVICE

JOHN K. BAGBY — WM. F. SEELEY — B. H. STUCK

WEEKLY BULLETIN
HEWITT, EDWARD N.............550 W. Lincoln, Birmingham
HEWLETT, THOMAS H...........2300 Dime Bank Bldg., Detroit 26
HEWLETT, TIMOTHY Y...........4161 Rover Road, Toledo 9, Ohio
HILBERG, JOHN T..............7584 Forestlawn Ave., Detroit
HILL, MYRON T..................377 Bon Air Street, La Jolla, Calif.
HINE, TREDICK K................13220 Woodward Ave., Detroit 3
HUFFMASTER, HARVEY R........1619 N. Washington, Royal Oak
HOGAN, MERLE W..............18901 Grand River, Detroit 23
HOGNER, P. R. L..............410 Gulf Bldg., Pittsburgh 19, Pa.
HOLMES, WARREN S..............2206 Olds Tower, Lansing 8
HOOKER, ARTHUR M..............753 Ada Ave., Muskegon
HOPKINS, J. EDWIN..............24 W. 40th St., New York 13, N. Y.
HORNBRUCK, THOMAS W...........90 Amherst Rd., Pleasant Ridge
HORNER, CHARLES..............88 Louise Ave., Highland Park 3
HOSMAN, LEO J.................800 Marquette Bldg., Detroit 26
HOULIHAN, RAYMOND F...........5651 N. Rockwell Ave., Chicago 45, Ill.
HOWARD, ALMERN C.............1429 Walnut St., Philadelphia 2, Pa.
HOWE, HUBERT.................2451 Monterey Ave., Detroit 6
HUBERT, DERRICK..............Lumberman's Natl. Bank Bldg., Menominee
HUESMANN, LOUIS B............4057 Blaine Ave., Detroit 4
HUGHES, TALMAGE C............120 Madison Ave., Detroit 26
HUGHES, JAMES BENNETT........163 Moss Ave., Detroit 3
HULSKEN, PETER M..............218 W. Market St., Lima 15, Ohio
HUNTER, DON W.................Standard Accident Ins. Co., Detroit 2
HYDE, ARTHUR K...............1000 Marquette Bldg., Detroit 26
HYDER, K. LEE..................38 S. Dearborn St., Chicago 3, Ill.
ILGENFRITZ, HAROLD D...........306 Hammond Bldg., Detroit 26
IMBS, THOMAS E.................711 Wainwright Bldg., St. Louis, Mo.
INGALL, MORTON H.............2820 Telegraph Rd., Dearborn
JACOB, J. MacDONALD...........527 S. Pleasant Ave., Royal Oak
JACOBS, VICTOR H..............1719 Juneway Terrace, Rogers Park, Chicago 26, Ill.
JACOBUS, ROBERT F.............511 Fifth Ave., New York 17, N. Y.
JACQUES, GILBERT J.............17673 Manderson Rd., Detroit 3
JAIH, THURSTON R..............21904 Michigan Ave., Dearborn
JAMESON, LAWRENCE B...........2654 Tuxedo Ave., Detroit 6
JANURA, ROBERT V..............3614 Wisconsin Ave., Berwyn, Ill.
JEHLE, EMIL G..................9219 Mason Place, Detroit 9
JENSEN, CARL R.................17166 Wildemere Ave., Detroit 21
JEPSON, RAYMOND G.............20202 Picadicilly, Detroit 21
JOHNSON, REUBEN H.............601 N. St. Clair St., Chicago, Ill.
JUNTENEN, CHARLES A...........War Dept., Washington, D. C.
KAELBER, WILLIAM G............311 Alexander St., Rochester 7, N. Y.
KALLMES, JOHN J..............2112 Book Tower, Detroit 26
KAMPER, LOUIS.................2150 Iroquois Ave., Detroit 14
KAPP, WILLIAM EDWARD...........1842 Buhl Bldg., Detroit 26
KASURIN, JOHN...............Hotel Park Avenue, Detroit 1
KASURIN, PAUL..................State Savings Bank Bldg., Ann Arbor
KAUFMANN, GORDON B............627 S. Carondelet St., Los Angeles 5, Cal.
KAVIEFF, OTTO H..............305 Transportation Bldg., Detroit 2
KELLOGG, DIXON B..............112 Madison Ave., Detroit 26
KENNISON, HERBERT A...........230 E. Berry St., Fort Wayne 2, Ind.
KEOUGH, H. J..................4060 Taylor Ave., Detroit 4
KERN, NATHANIEL C.............195 Cranbrook Cross Road, Birmingham
KETELHUT, PAUL J..............1225 White St., Ann Arbor

FEBRUARY 25, 1947
ROHN FIREPROOFING COMPANY
3000 GRAND RIVER AVENUE, DETROIT 1, MICHIGAN
COMPLETE ESTIMATING AND ERECTION SERVICES OF
POURED AND PRECAST GYPSUM ROOF DECKS
AND ZONOLITE ROOF INSULATION
All Types of Masonry Partitions
TEmple 1-6122

Taylor & Gaskin, Inc.
3105 BEAUFAIT
ENGINEERS • FABRICATORS
&
ERECTORS
of
Structural Steel and Miscellaneous Iron
Material Handling and Factory Equipment
PLaza 2350 DETROIT 7

Since 1909
JOHN E. GREEN CO. INCORPORATED
MECHANICAL CONTRACTORS
PLUMBING - HEATING
INDUSTRIAL PIPING
POWER PIPING
PROCESS PIPING

Our New Office, Shop and Warehouse
Is Designed to do YOUR Mechanical Work
220 Victor Ave. TO. 8-2400 Detroit 3

T. L. OSBERGER COMPANY
SALES ENGINEERS
DETROIT GRAND RAPIDS

WEEKLY BULLETIN
KEYES, HUGH T. 309 Wabeek Bldg., Birmingham
KIEFER, HAROLD M. 14430 Archdale, Detroit 27
KIEHLER, ELMER GEORGE 112 Madison Ave., Detroit 26
KIMBALL, DONALD A. 2345 Delaware Ave., Saginaw
KIMBALL, EDGAR ROLLINS 112 Portland Ave., Belleville, Ill.
KING, CHRISTOPHER J. Vermontville, Mich.
KING, SOL 2659 Fleet St., Detroit 6
KINGSCOTT, LOUIS C. P. O. Box 671, Kalamazoo 99
KINGSLEY, GEORGE S. Douglas
KISSINGER, STEWART S. 22040 Westonia St., Dearborn
KLEI, LOUIS W. 3231 Davison Ave., Detroit 6
KLEIN, HERMAN J. 929 E. Wellington, Flint 3
KNECHT, FREDERICK Rockford
KNOPKE, EDWARD T. 9752 Yellowstone, Detroit 4
KNOX, WILLIAM D. 193 Riviera, Pontiac 18
KNOX, ROBERT V. 415 Ridgeway, St. Joseph
KNUTH, RALPH W. 55 Bay Shore Drive, Lagoons Beach, Bay City
KOERNER, UDA H. 7415 Ingleside Ave., Chicago 11, Ill.
KRAMER, WM. E. 109 E. Nine Mile Rd., Ferndale 20
KRESSBACH, CARL C. F. 408 Wildwood Ave., Jackson
KRECKE, NORMAN 818 Michigan Bldg., Detroit 26
KROSKE, PAUL C. General Delivery, Detroit 26
KUNI, WILLIAM H. 19642 Shrewsbury Road, Detroit 21
LANGHENRICH, FRED W. 4541 W. Washington Blvd., Chicago 24, Ill.
LANGHUIS, ADRIAN NELSON 932 Westlawn, East Lansing
LARKIN, LESLIE G. 5538 Ivanhoe Ave., Detroit 4
LEE, IVAN R. 44 Capital City Bldg., Charleston 1, W. Va.
LEINWEBER, JOSEPH W. 800 Marquette Bldg., Detroit 26
LENTZ, WALTER E. 1250 David Whitney Bldg., Detroit 26
LEONE, AMEDEO 800 Marquette Bldg., Detroit 26
LEVEY, NORMAN J. 1260 W. Boston Blvd., Detroit 2
LEWIS, ISADORE M. 1006 Eaton Tower, Detroit 26
LINDEBERG, HARRIE T. 5 E. 57th St., New York 22, N. Y.
LINDBLAD, BERTIL 19299 Moross Rd., Detroit 24
LORCH, EMIL 1027 Forest Ave., Ann Arbor
LOREE, DOUGLAS D. 120 North 4th Ave., Ann Arbor
LORENZ, WILLARD B. 15386 Turner Ave., Detroit 21
LOWERY, LESTER M. 923 University Pl., Grosse Pointe 30
LOWNEY, ROBERT J. 522 Washington Square Bldg., Royal Oak
LUCKENBACH, OWEN A. 2300 Dime Bldg., Detroit 26
LUNDBLAD, CLAUS D. 4070 W. Fort St., Detroit 9
LYNDON, MAYNARD 427 Beloit, Westwood, Los Angeles 24, Cal.
MAGNUSON, E. HARRY 427 Lyman Bldg., Muskegon
MACGREGOR, ALEXANDER 25319 Michigan Ave., Dearborn
MACKENZIE, JOHN 1011 Welch Blvd., Flint 4
MACOMBER, CARL E. 721 Cherry St., Saginaw
MADISON, FREDERICK D. 230 Wayne Oakland Bk. Bldg., Royal Oak
MARVIN, ALDEN S. 1720 Randolph St., Detroit 26
MASON, GEORGE D. 409 Griswold St., Detroit 26
MAUL, WALTER 1257 David Whitney Bldg., Detroit 26
MAY, ROBERT O. 526 Algonquin, Detroit 14
MEAD, HARRY L. 341 Mich. Trust Bldg., Grand Rapids 2
MELES, EDMUND J. R.R. No. 2, Fennville
MERRILL, CLARENCE B. 1133 Cornelia, Saginaw
**Acorn Iron Works, Inc.**

STRUCTURAL AND MISCELLANEOUS IRON WORK

H0garth 8672

9260 Freeland

Detroit 27

---

**GUNITE**

for

- WALLS, EXTERIOR AND INTERIOR
- STEEL FIREPROOFING AND PROTECTION
- COAL BUNKER AND RESERVOIR LINING
- RESERVOIR AND DAM RESTORATION
- STRENGTHENING AND RESTORING
- EXISTING CONCRETE STRUCTURES

HANNA, ZABRISKIE AND DARON

6425 TIEMAN AVE.

TYLER 6-7670

DETOIT 4, MICH.

---

**FLINT MOSAIC TILE AND TERRAZZO, INC.**

E. TOMEI, Manager

TILE, ASPHALT TILE, MARBLE AND TERRAZZO

Phone 3-3551

G-3490 South Saginaw Road

FLINT, MICHIGAN

---

**PHOTOGRAPHS**

- Architectural
- Progress
- Copies
- Color Photos
- Slides

JOHN S. COBURN

517 Charlevoix Building, Detroit 1, Mich.

CHERRY 2836

---

**PAGEL'S INCORPORATED**

Photo Engravers

641 Monroe Avenue

CADillac 0472-9239

---

**REGISTERED PROFESSIONAL ENGINEER**

**RAY W. COVEY**

REGISTERED STRUCTURAL ENGINEER

STRUCTURAL ENGINEERING SERVICE

Capable and Dependable

828 Michigan Building

Detroit 26, Michigan

CADillac 6143

---

**FLINT MOSAIC TILE AND TERRAZZO, INC.**

E. TOMEI, Manager

TILE, ASPHALT TILE, MARBLE AND TERRAZZO

Phone 3-3551

G-3490 South Saginaw Road

FLINT, MICHIGAN

---

**PAGEL'S INCORPORATED**

Photo Engravers

641 Monroe Avenue

CADillac 0472-9239

---

**PAGEL'S INCORPORATED**

Photo Engravers

641 Monroe Avenue

CADillac 0472-9239

---

**FLINT MOSAIC TILE AND TERRAZZO, INC.**

E. TOMEI, Manager

TILE, ASPHALT TILE, MARBLE AND TERRAZZO

Phone 3-3551

G-3490 South Saginaw Road

FLINT, MICHIGAN

---

**PAGEL'S INCORPORATED**

Photo Engravers

641 Monroe Avenue

CADillac 0472-9239
MERRILL, JOHN OGDEN...5 E. 57th St., New York 22, N. Y.
MERRITT, GERALD M....7376 Grand River Ave., Detroit 4
MESSING, ARTHUR H.......4523 Garland Ave., Detroit 13
MESTER, FRANK J..524 Turner Ave., N.W., Grand Rapids
MEYER, EARL G........324 Touraine Rd., Grosse Pointe 30
MICHEL, KENNETH A..341 Touraine Rd., Grosse Pointe 30
MILES, FRANK A...........24 Beverly Rd., Detroit 30
MILLAR, HUGH T........14827 E. Jefferson Ave., Detroit 15
MILLER, J. LAWSON........55 Rosedale Court, Detroit 2
MILLOTT, HENRY C....814 W. Washington, Sandusky, O.
MILLS, BYRON E........4282 Seebald Ave., Detroit 4
MITSCHKE, ALFRED.......1507 Stroh Bldg., Detroit 26
MITTON, EUGENE W......14103 Forrer Ave., Detroit 27
MORISON, ANDREW R......920 Fox Bldg., Detroit 1
MORTON, HAROLD...........9437 Northlawn, Detroit 4
MOSS, THOMAS..............203 Conner Bldg., Plymouth
MOXNESS, T. J..........345 New Center Bldg., Detroit 2
MUEHLMAN, HARRY G....1234 Free Press Bldg., Detroit 26
MUNSON, ORLE J...........409 Wilson Bldg., Lansing 68
MUSCH, MAX A..........4333 Fisher Drive, Brighton
MUTH, GUSTAV..........345 New Center Bldg., Detroit 2
McCARTY, WM. HENRY.....331 Carlton Ave. S.E., Grand Rapids
McCONKEY, GEORGE M.....2541 Washtenaw, Ann Arbor
McCORMICK, WILLIAM D....121 S. Negley Ave., Pittsburgh 6, Pa.
McDONALD, ALBERT C.......409 Griswold St., Detroit 26
McGREW, CHARLES B.......16215 Warwick Road, Detroit 19
McKINNON, PATRICK.....216 S. Thayer St., Ann Arbor
NARGIS, JAS. J...........745 Horn Ave., Fresno, Calif.
NELSEN, LAVERN JAMES..417 Bay City Bank Bldg., Bay City
NEWLANDER, M. M.........1201 Cherry St., Kalamazoo 39
NEWMAN, HARRY M.........2058 Gladstone, Detroit 6
NIES, ALBERT B...........408 Third St., Jackson
NOBLE, CHARLES..........4484 Cass Ave., Detroit 1
NOBLE, JOHN M..........545 Lafayette Ave., S. E., Grand Rapids 3
NOTH, EDWIN J........1304 Maccabees Bldg., Detroit 2
NURMI, S. ALEXANDER....712 W. Court St., Flint 3
O'DELL, FREDERICK C....1103 Berkshire Road, Ann Arbor
O'DELL, H. AUGUSTUS....2300 Dime Bank Bldg., Detroit 26
ODELL, WILLIAM H.......2281 W. Grand Blvd., Detroit 8
OLSEN, PETER M.........4203 Robinson St., Duluth 4, Minn.
OLSON, A. WALLACE......2340 Eastbrook, Toledo 12, Ohio
OPPENHAMER, W. A.......110 S. Washington St., Green Bay, Wis.
OSBORNE, JAMES........1040 Lake Drive, Grand Rapids
OSGOOD, S. EUGENE.......206 Yonell Ave., S.E., Grand Rapids 6
OSTERGREN, ROBERT CHARLES.....5153 North Clark, Chicago 40, Ill.
OWENS, SHIRLE L.........22441 Law Avenue, Dearborn
OWINGS, NATHANIEL A.....100 W. Monroe St., Chicago 3, Ill.
PAGE, GEORGE R........Okemens
PALMER, C. WILLIAM......2675 Penobscot Bldg., Detroit 26
PALMQUIST, IRVING E.....4130 W. McNichols Rd., Detroit 21
PARDEE, ALICE S.........382 Mt. Clemens St., Pontiac 16
PARDEE, ST. CLAIR.......703 Oakland, St. Johns
PARMELEE, GALE F.......18804 Glenwood Blvd., Birmingham
PELLERIN, EARL W.......16855 LaSalle Blvd., Detroit 21
PEREIRA, P. R..........1173 Foster Rd., Rt. No. 1, Midland
PERKINS, RAYMOND C.....2322 W. Grand Blvd., Detroit 8
PERRY, LEO IRWIN.......140 Longfellow Ave., Detroit 2
PETERSON, GEORGE L.......800 Fidelity Bldg., Detroit 26
PETERSON, HAROLD E........804 Gunderson Ave., Oak Park, Ill.
PETERSON, ROY T........3561 Wyckliffe Pkway, Toledo 6, Ohio
PETTIBONE, MILTON W......689 Rivard Blvd., Grosse Pointe 30
PIELPHS, CHARLES L.......1119 Earl, Ferndale 20
PICKELL, F. GORDON.......5545 Second Blvd., Detroit 2
PICKENS, BUFORD L......School of Arch., Tulane Univ., New Orleans 15, La.
THOMAS BRICK & TILE CO.

GLAZED AND FACING TILE
FACE BRICK
FIRE BRICK
STRUCTURAL CLAY TILE
ACID BRICK

14360 Livernois Ave., Detroit 4, Michigan
TO. 8-1354

Distributors of Quality

POWER PLANT EQUIPMENT


THE COON-DEVISER COMPANY
2051 W. Lafayette
Detroit 16, Mich.
LAFayette 6000

COMPLETE MORTGAGE SERVICE...

For the Past 45 Years

UNITED SAVINGS BANK
1133 GRISWOLD STREET - DETROIT
A BANK FOR SAVINGS SINCE 1902
HORN FUEL & SUPPLY COMPANY

WEST YARD
14523 SCHAEFER
Detroit 27, Michigan
Vermont 7-2052

MAIN OFFICE — EAST YARD
11841 KERCHEVAL
Detroit 14, Michigan
Lenox 4450

A Complete Line of Builders Supplies

CINDER BLOCK, Inc.

9303 HUBBELL
Detroit 27
Vermont 6-5500

Manufacturers of Cinder Blocks

Regular Stock Sizes and
All Types of Special Shapes and Sizes
andLintels to Specifications

HORN LUMBER COMPANY, Inc.

Everything in Lumber and Millwork

14523 SCHAEFER ROAD
Vermont 7-2055
SIDNAM, VERNE II...360 Mary St., Grosse Pointe Farms 30

SIMONS, HOWARD T...131 Lafayette Blvd., W., Detroit 26

SIMPSON, LEWIS W...22126 Edison, Dearborn

SIMPSON, STANLEY G...1510 W. Ionia St., Lansing

SIRKINE, CHESTER A...501 Townsend St., Lansing

SKART, JOHN...2986 Wreford St., Detroit 8

SKIDMORE, LOUIS...5 E. 57th St., New York 22, N. Y.

SMITH, EBERLE M...1202 Francis Palms Bldg., Detroit 1

SMITH, GEORGE S...8332 Luella Ave., Chicago 17, Ill.

SMITH, HARRY T...1029 Mason St., Flint 4

SNYDER, LEON, JR...709 Michigan Natl. Bank Bldg., Battle Creek

SNYDER, RICHARD G...226 S. Butler Blvd., Lansing 15

SORENSEN, N. CHESTER...926 N. Monterey St., Alhambra, Cal.

SPECTOR, VICTOR B...RFD No. 2, Box 236, Fairfax, Va.

SPELLEY, JOHN F...17538 Hartwell Ave., Detroit 21

SPENCE, JAMES ALEXANDER...118 N. Washington Ave., Saginaw

STACHOWIAK, STEPHEN J...11838 Joseph Campau, Hamtramck 12

STAHL, JOHN C. JR...508 Francis Palms Bldg., Detroit 1

STANGER, HUGO L...5622 Wayne Pl., Chicago 46, Ill.

STANTON, HENRY F...1243 Free Press Bldg., Detroit 26

STAPERT, RAYMOND...1205 Lake St., Kalamazoo 21

STEFFENS, J. H. G...Dearborn Hotel, Dearborn

STEIN, BENJAMIN H...1802 S. Springfield Ave., Chicago 23, Ill.

STEIN, JACK STEWART...6724 N. Glenwood Ave., Chicago 26, Ill.

STEKETEE, CHRIS...622 Murray Bldg., Grand Rapids 2

STIRLING, JAMES F...3815 Gladstone Ave., Detroit 6

STIRTON, MALCOLM R...18668 Littlefield Ave., Detroit 21

STONE, WILLIAM A...1507 Amer. Nat'l Bk. Bldg., Kalamazoo 4

STONE, WILLIAM H...775 W. Maple St., Birmingham

STRAIGHT, EUGENE D...Schaefer Bldg., Dearborn

STRAUSS, FRED G...16205 Normandy, Detroit 21

STUFELL, CLAIR A...740 University Pl., Detroit 30

SULLIVAN, CHARLES J...2631 Woodward Ave., Detroit 1

SWANSON, J. ROBERT F...Bloomfield Hills

SWARTS, WARD G...108 Wallace Blvd., Ypsilanti

TAMPLIN, ERNEST...22800 Vassar, Hazel Park

TAYLOR, JONATHAN A...1415 Glynn Court, Detroit 6

TAYLOR, S. HOWELL...500 Packard St., Ann Arbor

TEMPEST, R. W...1411 E. Jefferson, Detroit 7

THERBAUD, VICTOR E...604 North Park, N. E., Grand Rapids 5

THOMSON, G. HAROLD...Mullet Lake

THORNTON, JOHN C...562 Laurel St., Royal Oak

THULIN, WALTER E...1728 Nat'l Bank Bldg., Detroit 26

TILDS, PAUL...18634 Roselawn, Detroit 21

TOOTH, ANDREW A...2158 Portage Ave., South Bend 6, Ind.

TOUR, HARRY B...218 Union Bldg., Knoxville, Tenn.

TROUT, ALEX L...1664 Penobscot Bldg., Detroit 26

TRYSELL, ERNEST H...906 American Radiator Bldg., Detroit 26

TURNER, HENRY H...1291 E. 141st St., E. Cleveland 12, 0.

TUTTLE, EDWARD X...1842 RCA Bldg., 30 Rockefeller Plaza, New York 20, N. Y.

VALENTINE, CHARLES M. JR...448 Mitchell Rd., Smith Creek

VALENTINE, EDWIN E...99 Miller, Muskegon

VANDEN BOGERT, JOHN...540 Michigan Trust Bldg., Grand Rapids 2

VANDER LAAN, PETER...718 Campbell Ave., Kalamazoo 51

VAN DER MUELEN, JOHN H...198 W. 11th St., Holland

VAN DONGEN, HUBERT WM...Fidelity Bldg., Benton Harbor

VAN REYENDAM, DIRK...9640 Besmore Ave., Detroit 13

VAN VOLKENBURG, FOREST D...Box 4, Kalamazoo

VARNEY, F. ORLA...958 Putnam, Detroit 2
MISCELLANEOUS AND ORNAMENTAL IRON

Aluminum & Bronze Steel Stairs

ALUMINUM & ARCHITECTURAL METALS COMPANY
1974 Franklin Street, Detroit 7, Fitzroy 6880

Grand Rapids Steel & Supply Company

WAREHOUSE STOCKS
FABRICATORS
STRUCTURAL STEEL REINFORCING STEEL
WIRE MESH

21-27 Market Avenue, S. W.
GRAND RAPIDS MICHIGAN

E. J. ANDERSON
Representing
SLOAN VALVE CO.
FLUSH VALVES

JOSAM MANUFACTURING CO.
FLOOR DRAINS

CHICAGO PUMP CO.
CENTRIFUGAL PUMPS

ELKHART BRASS MFG. CO.
FIRE PROTECTION EQUIPMENT

14 Smith Street
Detroit 2, Michigan
TRinity 2-7085 MAdison 4899

Martin HOFFMAN Company
Manufacturers of METALON
THE METALLIZED BUILDING UNIT
ARCHITECTURAL PORCELAIN ENAMEL AND STAINLESS STEEL ON CONCRETE

16580 Savoie Blvd. DETROIT 19, MICHIGAN RE 6526
GYPSUM ROOF DECKS

Fireproof Light Weight Insulating

FURNISHED AND INSTALLED BY

LATHROP HOGE CONSTRUCTION COMPANY
P. O. BOX 3529 HIGHLAND PARK 3, MICHIGAN TO. 8-8158

R. L. SPITZLEY HEATING CO.

Plumbing . . . Heating Refrigeration . . . Ventilating
Industrial Piping Air Conditioning

1200 Fort Street West DETROIT 26, MICHIGAN Telephone CADillac 0840

JOHN D. BUSCH & SONS, Inc.
Manufacturers Of
Peerless Skylights and Howie Fire Doors

ROOFING AND SHEET METAL CONTRACTORS
RANDOLPH 7889—7890 639 EAST FORT STREET

FEBRUARY 25, 1947
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Contact Information</th>
<th>Address</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALUMINUM CO. OF AMERICA</td>
<td>P. R. Marshall</td>
<td>610 New Center Bldg. (2)</td>
<td>TR 1-8100</td>
</tr>
<tr>
<td>AMERICAN BRASS CO.</td>
<td>J. F. Pyne</td>
<td>174 S. Clark St. (9)</td>
<td>LA. 3500</td>
</tr>
<tr>
<td>AMERICAN GAS ASSOCIATION</td>
<td>Ernest C. Baker</td>
<td>415 Clifford St. (26)</td>
<td>CH. 3500</td>
</tr>
<tr>
<td>ARMSTRONG CORK CO.</td>
<td>E. D. Ainslie, Jr.</td>
<td>Free Press Bldg. (26)</td>
<td>CH. 5670</td>
</tr>
<tr>
<td>BELL &amp; GOSSETT CO.</td>
<td>R. L. Deppmann (R. L. Deppmann Co.)</td>
<td>5853 Hamilton Ave. (2)</td>
<td>TR 2-6309</td>
</tr>
<tr>
<td>CECO STEEL PRODUCTS CO.</td>
<td>John F. Klein</td>
<td>408 Michigan Bank Bldg. (26)</td>
<td>CA. 2063</td>
</tr>
<tr>
<td>CELOTEX CORP.</td>
<td>R. E. Leggette (R. E. Leggette Co.)</td>
<td>1728 National Bank Bldg. (26)</td>
<td>RA. 8365</td>
</tr>
<tr>
<td>CHAMBERLAIN COMPANY OF AMERICA</td>
<td>H. K. McCabe</td>
<td>1254 LaBrosse St. (26)</td>
<td>CH. 8484</td>
</tr>
<tr>
<td>DETROIT STEEL PRODUCTS CO.</td>
<td>W. J. Torbett</td>
<td>2250 E. Grand Blvd. (11)</td>
<td>MA 7680</td>
</tr>
<tr>
<td>FIAT METAL MFG. CO.</td>
<td>Louis T. Ollesheimer</td>
<td>2539 Woodward Ave. (1)</td>
<td>CA. 5680</td>
</tr>
<tr>
<td>GENERAL ELECTRIC CO.</td>
<td>700 Antoinette St. (2)</td>
<td></td>
<td>TR 2-2600</td>
</tr>
<tr>
<td>GREAT LAKES STEEL CORP.</td>
<td>C. J. Bradley</td>
<td>3750 Penobscot Bldg. (26)</td>
<td>RA. 6540</td>
</tr>
<tr>
<td>JOSAM MANUFACTURING COMPANY</td>
<td>Edwin J. Anderson</td>
<td>14 Smith Street (2)</td>
<td>MA 4899</td>
</tr>
<tr>
<td>KAWNEER COMPANY</td>
<td>A. L. White</td>
<td>12072 N. Martindale (4)</td>
<td></td>
</tr>
<tr>
<td>KIMBERLY-CLARK CORP.</td>
<td>Kimsul Div'n K. W. Kaiser (Quality Materials Co.)</td>
<td>6450 Brimson (12)</td>
<td>TW. 1-5434</td>
</tr>
<tr>
<td>LIBBY-OWENS-FORD GLASS CO.</td>
<td>J. F. Busse</td>
<td>610 Fisher Bldg. (2)</td>
<td>MA 0080</td>
</tr>
<tr>
<td>MARSH WALL PRODUCTS, INC.</td>
<td>Wm. E. Ogden</td>
<td>6432 Cass Avenue (2)</td>
<td>MA 6300</td>
</tr>
<tr>
<td>MASTER BUILDERS CO.</td>
<td>E. H. Fenker</td>
<td>626 Michigan Bldg. (2)</td>
<td>CA 1246</td>
</tr>
<tr>
<td>MUELLER BRASS CO.</td>
<td>Ralph C. Hunter</td>
<td>2842 West Boulevard (2)</td>
<td>MA 3395</td>
</tr>
<tr>
<td>NATIONAL FIREPROOFING CO.</td>
<td>W. R. Sherman</td>
<td>5737 Commonwealth Ave. (8)</td>
<td>MA 2181</td>
</tr>
<tr>
<td>NORGRE DIVISION, BORG-WARNER CORP.</td>
<td>John A. Drake</td>
<td>670 East Woodbridge (26)</td>
<td>CA 8150</td>
</tr>
<tr>
<td>OTIS ELEVATOR CO.</td>
<td>Wm. A. Cory</td>
<td>950 W. Fort St. (26)</td>
<td>RA 4320</td>
</tr>
<tr>
<td>OWENS CORNING FIBERGLAS CORP.</td>
<td>Edward E. French</td>
<td>517 New Center Bldg. (2)</td>
<td>TR. 3-4400</td>
</tr>
<tr>
<td>PITTSBURGH PLATE GLASS CO.</td>
<td>M. J. Maley</td>
<td>6045 Hamilton Ave. (2)</td>
<td>TR 2-4500</td>
</tr>
<tr>
<td>H. H. ROBERTSON CO.</td>
<td>Ronald Gamel</td>
<td>635 New Center Bldg. (2)</td>
<td>TR 2-2554</td>
</tr>
<tr>
<td>SPENCER TURBINE COMPANY</td>
<td>R. B. Richardson</td>
<td>4720 Joy Road (4)</td>
<td>TY 5-3975</td>
</tr>
<tr>
<td>TRUSCON STEEL COMPANY</td>
<td>Maurice Goldenberg</td>
<td>615 Wayne St. (26)</td>
<td>CA 3830</td>
</tr>
<tr>
<td>UNIVERSAL ZONOLITE INSULATION CO.</td>
<td>Dayton L. Prouty</td>
<td>12391 Schaefler Hy. (27)</td>
<td>HO 1741</td>
</tr>
<tr>
<td>U. S. PLYWOOD CORP.</td>
<td>Wm. H. Hunt</td>
<td>1816 Franklin (7)</td>
<td>RA. 9158</td>
</tr>
<tr>
<td>VERMONT MARBLE CO.</td>
<td>Chester A. Smith</td>
<td>1301 Kales Bldg. (26)</td>
<td>CA. 1888</td>
</tr>
<tr>
<td>WESTINGHOUSE ELECTRIC &amp; MFG. CO.</td>
<td>G. A. O'Keefe</td>
<td>5757 Trumbull Ave. (8)</td>
<td>TR. 2-7010</td>
</tr>
<tr>
<td>WEYERHAEUSER SALES CORP.</td>
<td>B. D. Collins</td>
<td>323 Stephenson Bldg. (2)</td>
<td>MA. 6600</td>
</tr>
<tr>
<td>J. A. ZURN MANUFACTURING COMPANY</td>
<td>W. F. Mulcahey</td>
<td>403 Donovan Bldg. (1)</td>
<td>CA. 7623</td>
</tr>
</tbody>
</table>

FEBRUARY 25, 1947
GLASS BLOCK FOR YOUR PLANT—NOW!

Critical materials are not required to erect glass block panels in that new plant addition—or in replacing worn-out sash in existing buildings. Get Insulux Glass Block now at pre-war prices.

CADILLAC GLASS CO.
LENOX 4940  2570 HART AVENUE  DETROIT

Kuhne Simmons Co., Inc.
General Contractors

COMMERCIAL — INDUSTRIAL
INSTITUTIONAL — HOUSING

1048 Penobscot Building, Detroit 26, Mich.
CADillac 8147

—OTHER OFFICES—
DECATUR, ILL.  RANTOUL, ILL.  INDIANAPOLIS, IND.

PETOSKEY PORTLAND CEMENT COMPANY
PETOSKEY  MILWAUKEE  DETROIT  CHICAGO

Use PETOSKEY CEMENTS for APPEARANCE—STRENGTH—PERMANENCE.

Petoskey Standard Portland Cement
Petoskey Air-Entraining Portland Cement
Petoskey High Early Strength Portland Cement
Petoskey Waterproofed Portland Cement
Petoskey Mortar Cement

FIFE-PEARCE ELECTRIC COMPANY
Electrical Contractors

1446 Gratiot Ave.  Detroit 7, Michigan
CADillac 1832
THE MICHIGAN SOCIETY OF ARCHITECTS
SCHEDULE OF RECOMMENDED CHARGES

(American Institute of Architects Document Adopted by the M.S.A.)

Ratified, and adopted at the
16th Annual Convention
M.S.A., 1928

Distribution Authorized at the
16th Annual Convention
M.S.A., 1930

Revised Feb. 15, 1946

The Michigan Society of Architects, as a professional body, recognizing that the value of an Architect's services varies with his experience, ability and the location and character of the work upon which he is employed, does not establish a fixed rate of compensation binding upon all of its members, but, in the light of past experience, recommends that for full professional services, adequately rendered, an architect practicing in the State of Michigan should receive as reasonable remuneration therefor at least the compensation mentioned in the following schedule of charges:

1. The architect's professional services consist of:
   (a) Preliminary studies, including the necessary conferences and the preparation of preliminary sketches, the least compensation of which is 20% of the hereinafter mentioned fees.
   (b) Working Drawings and Specifications, complete ready for taking bids, the least compensation for which is an additional 55% of the hereinafter recommended fees.
   (c) Supervision, including the taking of bids, the preparation of full size and large scale details, the general direction of the work, the checking of contractors' monthly statements, the checking of shop drawings for various trades, and the issuance of certificates of payment, the least compensation for which is an additional 25% of the hereinafter recommended fee.

2. The proper minimum charge for professional services on the average type of work, when let under a general contract, is 6% of the total cost of the work. When the major portion of the work is let under a general contract and a minor portion is let separately to individual contractors, then 6% shall govern for the entire work, plus an additional 4% upon that portion let separately.

   When all of the work is let separately to contractors for individual trades, then the 6% fee shall be increased by 4% additional to cover the architect's extra cost of keeping records and dealing with several contractors instead of one contractor.

3. On residential work it is proper to charge from 8% on the first $50,000.00 of cost, and 6% on the balance. On residential work at a sufficient distance from the architect's office, to require unusual time in travel, but not far enough distant to require rail or boat transportation, it is customary to increase the above-mentioned 8%, and 6% charges to 10% and 8% respectively. In both cases the fee shall cover stables, garages and other dependencies.

4. In the hands of architects best qualified to design them, churches and ecclesiastical buildings generally bear a commission of from 8% to 10% on work under $50,000.00, and 7½% on work over that amount. Designing of or assisting in the selection of or purchasing of church furniture and fixtures, depending on the amount of detail work necessary and the time required, bears a commission of from 10% to 20%.

5. Buildings with complicated equipment such as laboratories bear a higher rate than the 6% quoted in paragraph 2, above, for average work. If taken at 6%, the equipment should be charged separately at a higher rate.

6. On monumental, decorative, and landscape work, special interiors, and special cabinet work, as well as alterations to existing buildings, whether federal, municipal or private, the minimum charge is 10%. Should the work involved require unusual study or specialization, it is usual to charge 15% or even more.
7. Designs for fabrics, furniture, fixtures, lighting fixtures, and special decorative work other than for churches, the minimum charge is 15%. 

8. On articles not designed by the architect, but purchased under his direction, the minimum charge is 6%.

9. On work of such nature that the final total cost cannot be reasonably accurately approximated, it is advisable and permissible to charge on a pay roll-overhead-profit basis, that is to say, to charge the actual amount of the payroll, plus the average percentage of overhead, plus a profit of, say 25%. If pay roll totals $100.00 and overhead amounts to 85% of the pay roll, then the charge will be:

<p>|</p>
<table>
<thead>
<tr>
<th>Pay roll</th>
<th>$100.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overhead, 85% of $100.00</td>
<td>85.00</td>
</tr>
</tbody>
</table>

Total: $185.00

Plus 25% for Profit: 46.25

Total charge: $231.25

In offices having an overhead of 100% this method amounts to charging 2½ times the pay roll, which is quite generally used. It is fair to both owner and architect. It often saves the owner a considerable amount, and insures the architect a reasonable profit.

10. As a substitute for the method suggested in paragraph No. 9 above, the architect may be paid a fixed fee for his own personal services, or, in some cases, a commission upon the cost of the work. In addition thereto, he is reimbursed by the client for his actual office expenses (pay roll, exclusive of his own drawing account, plus overhead). This is known as the "Fee-plus-cost" method.

11. All disbursements for traveling expenses, measurements, surveys, fees for expert advice when requested or sanctioned by the client, and the cost of all prints, to be paid by the client.

12. All of the above charges are subject to increase by special arrangement, where the cost of the work is small or the conditions unusually difficult.

13. By special interiors and cabinet work, is meant that part of the work which is individual, and requires special study and drawings for each room or each feature thereof, as distinguished from the work which is repetitious and which can be executed from typical drawings and general specifications.

14. The supervision of an architect does not guarantee the performance of the contract by the contractor, or insure the client against defective work thereunder.

Where the architect is retained to oversee preparation, manufacture, execution and installation of work, as well as to check final requests for payment for same, he will do everything in his power to enforce the spirit and the letter of drawings and specifications. Beyond that he is not responsible.

15. The architect is construed by the courts to be the owner's agent and the owner is responsible for payment for labor and material ordered by the architect for the owner. The architect's power of agent is limited, however, to the building or work upon which the architect has been commissioned by the owner to perform professional services.

16. It is proper to charge for the preparation of sketches of any nature whatsoever, even if the client be asked only to reimburse the architect for his actual costs of payroll and overhead.

Under no circumstance will the architect offer to make sketches without charge or obligation in order to assist in soliciting business; nor will he submit to a prospective client's invitation to submit sketches under such conditions, for, by so doing, he may institute or be drawn into an ungoverned and unethical competition.

If the architect chooses to work without reasonable compensation, he may do so only under conditions which will not tend to injure his fellow practitioners.

UNETHICAL PRACTICE

If an architect has quoted a rate of fee to a prospective client, another architect seeking the same work and having knowledge of the rate quoted by the first, is guilty of unprofessional conduct if he attempts to obtain the work by quoting a lower rate of fee. Such conduct is unethical.

SUBMITTING SKETCHES

If an architect knowingly competes with other architects by submitting sketches without obligation, thereby submitting to an ungoverned and unauthorized competition, he is unfaithful to the profession, and guilty of unprofessional conduct.
CHEMICAL DEHYDRATION
OF AIR FOR BASEMENT
ROOMS DURING SUM-
MER CONDITIONS

Dampness in basement rooms during summer is caused by the cooling effect of exterior walls and floors on humid air and the resultant increase in relative humidity. The bad effects of dampness on absorbent wall and floor finishes and on furnishings are well known.

The surfaces of the exterior walls and floors will condense moisture from the air whenever the dew-point temperature of the air exceeds the temperature of these surfaces. This condensation is accentuated by the density and wetness of the soil adjacent to the walls and floors.

Hay fever is caused by air-borne pollens which can be removed from the air by contact with continuously-renewed, adhesive surfaces.

The musty odors of damp rooms are due to soluble vapors which are more pronounced in damp air than in dry air.

Basement rooms can be kept cool and comfortable during hot weather, with relief from hay fever pollens. Dampness can be prevented and musty odors can be removed by installing a chemical dehydrator to dehumidify and purify the air of the rooms. The rooms should be made as near air-tight as is reasonably practical. The dehydrator can be located anywhere within the rooms to be conditioned, without ducts or outside air connections, requiring lighting current for a small fan. replenishment of commercial calcium chloride and continuous drainage for the waste solution of absorbed water vapor and dissolved chemical to a receptacle or sewer. The action of the dehydrator is controlled by a humidistat which automatically starts and stops the fan motor according to the adjustable setting of the humidistat which is normally set at 60 per cent relative humidity.

Example:—A basement storage room of 6,000 cubic feet volume in Southern Michigan would require a Type AA dehydrator with normal chemical and electrical costs of $14.00 per summer, replacement costs of $20.00 every four years and the adding of from ten to twenty pounds of chemicals twice a week, which can be done by any normal person.

Chemical dehydrators are in use in twenty-eight states, the District of Columbia, Mexico and Peru.
Careful planning results in ideal illumination in the Taft School of Ferndale (Michigan). Twelve luminaires are used in this sight-saving classroom, producing forty foot-candles for students with subnormal vision.

Good lighting is essential to good schooling. That's why modern classroom lighting is carefully planned to provide the best possible aid to study. Every effort is made to keep that lighting at top efficiency, because educators—as well as architects and engineers—know that good marks and good eyesight depend on it.

Your specifications for schoolrooms should include luminaires that are easy on the eyes . . . that afford high levels of illumination without distracting or harmful glare. The Lighting Division of the Detroit Edison Company will be glad to assist you in your plans. Just get in touch with your nearest Edison office.

The DETROIT EDISON Co.
### REVISED SCHEDULE OF UNIT COSTS, BASED ON CUBICAL CONTENTS OF BUILDINGS

*Copyright, 1947, by Detroit Real Estate Board*

#### COST PER CUBIC FOOT IN CENTS

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FACTORY AND WAREHOUSES</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fireproof (Over 200,000 sq. ft.)</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td>Fireproof (Over 300,000 sq. ft.)</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td>Fireproof (Over 500,000 sq. ft.)</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>ORDINARY</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>SPECIAL</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
<tr>
<td><strong>STEEL</strong></td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
<td>23%</td>
</tr>
</tbody>
</table>

**SEE EXPLANATION ON REVERSE SIDE OF THIS SHEET.**
Revised Schedule of Unit Costs Based on Cubical Contents of Buildings

Produced and distributed by DETROIT REAL ESTATE BOARD, 1980 Penobscot Bldg., Detroit, Mich.

(Permission, 1947, by Detroit Real Estate Board)

Annually since 1915, the Detroit Real Estate Board has produced and distributed a schedule of unit costs employing cubical contents of buildings as the basis for determination of costs. The schedule, revised as of Jan. 1, 1947 is presented herewith.

The schedule of costs was produced primarily as a service to members of the Detroit Real Estate Board, as a guide in estimating construction or reproduction costs and as a possible guide to appraisers. Within recent years, scores of requests for copies have come from all parts of the United States and numerous trade publications have asked permission to publish the schedule. It has been and continues to be the policy of the Detroit Real Estate Board to authorize reproduction of the schedule by recognized trade publications and by banks, trust companies, insurance companies, building and loan associations, mortgage companies, appraisal organizations, etc., for the personal use of members of those organizations but no permission is given for reproduction of the schedule for sale. Additional copies may be purchased from the Detroit Real Estate Board at 25 cents each.

The willing and painstaking cooperation of the Department of Buildings and Safety Engineering in the preparation of this schedule is appreciatively acknowledged. In using this schedule, the rules established by Commissioner Joseph P. Wolff and his department heads, should be observed. These rules follow:

"The cubical volume of a building for the purposes of determining the fees shall be measured as follows:

"From the outside of the walls and from the basement floor to the mean point of a pitched roof or to the highest point of a flat roof. The volume shall include all dormers, enclosed porches, pent houses, and other enclosed portions of a building, but shall exclude open porches.

"In the case of buildings without basements, the measurements shall be taken from the ground line, and in the case of large buildings having deep foundations, the height shall be measured from a point below the basement floor by an amount equal to 1-5 of the depth of the foundation.

"In the case of open shelter sheds and other open sheds, the volume shall be determined by measuring from the projection of the edge of the roof and from the ground line to the mean height of the roof."

The cost figures presented are presumed to represent the minimum cost at which a fairly good building of economic design, may be constructed under most favorable circumstances within the Detroit district. The costs contain architects' fees, contractors' profits and all general items of construction and equipment including plumbing and heating systems, elevators, incinerators, refrigerating systems, etc. Financing costs, however, are not included.

As bids of individual contractors may vary from 20% to 50%, so may there be a marked variance in the costs of similar buildings erected within a single area. The quality of construction must be taken into account. The schedule presented is based upon the cost of average construction. The costs might be lessened by inferior construction or substantially increased by superior construction. In all instances the schedule should be used to reinforce rather than to supplant the experience, information and judgment of the user.

Since 1915, this schedule has been prepared under like circumstances and based upon like factors. It may be assumed, therefore, to present a rather accurate picture of the movement of building costs in the Detroit area during the past 32 years.

USE OF UNDERFLOOR DUCTS...

FLUSH CABINET

... OR Q-FLOORS FOR DUCTS ... ELIMINATES EXPOSED DUCTS ON FLOORS

FLUSH CABINET

SURFACE CABINET

COMPLETELY-PLANNED BUILDINGS

include housing facilities for telephone wires and cable

From the small one-floor house to the acres-large industrial building, the provision of concealed housing facilities for telephone wires and cable is a mark of careful, complete planning appreciated by clients.

Such built-in facilities include shafts, distributing cabinets, rigid steel conduit, underfloor duct, Q-floors and other features to accommodate and afford access to house cable and wire. They permit concealing wires and cable in walls and floors regardless of the construction methods and materials used in the building.

We shall be glad to help you plan telephone wiring facilities. In Detroit call Cherry 9900, Extension 2624, and ask to have a telephone engineer visit your office. Elsewhere, call the local telephone business office. THERE IS NO CHARGE OR OBLIGATION.

MICHIGAN BELL
TELEPHONE CO.
Gabriel Long Span Joists are used for spans up to 64 feet for the support of floor or roof loads. Catalog on request.

GABRIEL STEEL COMPANY
13700 SHERWOOD
DETROIT 12, MICHIGAN

FEBRUARY 25, 1947
HOSPITALS, too, say

Gas is best
for cooking

Nutritious food, appetizing in appearance, is a prime requisite in modern hospital care.

Gas, the finest fuel for cooking, is used in almost all of the city's hospitals, just as it is in restaurants and hotel kitchens. Gas is completely dependable, fast, and clean. It is so flexible, so easily controlled from lowest to highest heat, that the chef has at his fingertips exactly the right heat for every food.

Owners and managers prefer Gas, too, because it is economical.

MICHIGAN CONSOLIDATED GAS COMPANY
415 Clifford, Detroit

A section of the kitchen of St. Mary's Hospital, showing some of the new gas-fired equipment which prepares thousands of meals daily.
Architect: Suran Pilafian's New Classroom Building for Wayne University is now under construction. It is located on Merrick Avenue between Cass Avenue and Second Boulevard, in Detroit.
SMITH and BOWEN
FIREPROOFING CO.
FIREPROOFING AND
INTERIOR MASONRY
832 Michigan Building
Cadillac 1788
Detroit 26, Michigan

RAYMOND
Concrete Pile Company
TEST BORINGS
SOIL INVESTIGATIONS
WOOD, STEEL and CONCRETE PILES
CAISSONS
UNDERPINNING
418 New Center Building
Trinity 1-3600

ARThUR
FLEISCHMAN CO.
CARPETS - LINOLEUM
ASPHALT TILE - VENETIAN BLINDS
LINO WALL - RUBBER TILE - MASTIPAVE
Inlaid, Battleship, Lino Tile, Cork Tile and Acoustics
1/2 Mile E. of City Airport—12585 Gratiot
25,000 Square Feet of Floor Space
AR. 1200

Viking Sprinkler Co.
Manufacturers and Contractors
APPROVED "VIKING" DEVICES FOR THE
AUTOMATIC CONTROL OF FIRE
• FLUSH TYPE SPRINKLERS—Something new,
now available for modern offices, display
rooms, and locations where appearance
counts.
4612 Woodward Ave.
DETROIT 1
315 Allen Street N.W.
GRAND RAPIDS 4

FRAZER PAINT CO.
MANUFACTURERS
2475 Hubbard
2 Blocks North of W. Vernor Highway
LA. 3440

COUSE & WESTPHAL
General Contractors
12740 Lyndon Avenue
DEtroit 27
Hogarth 3525
WOMEN'S DORMITORY, FOR THE UNIVERSITY OF MICHIGAN, ANN ARBOR

CLAIR W. DITCHY, F. A. I. A., ARCHITECT

RALPH R. CALDER, ARCHITECT

SCIENCE BUILDING FOR WAYNE UNIVERSITY, DETROIT

W. E. WOOD COMPANY, GENERAL CONTRACTORS

February 25, 1947
"One Responsibility – Burners and Fuel Oil"

For the last several years, Mr. Walter Cyacki, the president of the Enterprise Heat & Power Company, has offered a complete line of industrial and domestic oil burning equipment, which includes conversion burners, furnace-burner units for winter air conditioning, boiler-burner units, manufactured by THE HEIL COMPANY, and industrial horizontal rotary heavy oil burners for Either oil or combination gas-oil firing, manufactured by ENTERPRISE ENGINE & FOUNDRY CO.

The Enterprise Company maintains a well organized installation and service crew which has earned a wide reputation for efficiency and skill. The Company is also ready at all times to supply architects, engineers, builders, and other interested individuals with heating estimates and recommendations.

"An Oil Burner for Every Purpose" is proven by the following list of prominent users of Enterprise Rotary Heavy Oil Burners capable of burning heaviest fuel oils.

- CADILLAC GLASS CO.
- CARO STATE HOSPITAL, Wahjemgo
- CITY PATTERN FOUNDRY & MACHINE CO.
- COPERNICUS HIGH SCHOOL
- CHURCH of RESURRECTION, Lansing
- FORDSON FACTORY
- LUNCH CO.
- GELATIN PRODUCTS CO.
- HARPER THEATRE
- JENNINGS HOSPITAL
- MERCY COLLEGE
- PETER PAN BAKERIES, INC.
- U.S. NAVAL AIR BASE, Grosse Ile.
- NOITS DAIRY, Romeo
- DETROIT CREAMERY, Flint
- DETROIT PACKING CO.
- AJAX STEEL and FORGE CO.
- RIVER TERRACE APARTMENTS
- PONTIAC HIDE CO., Oxford

ESTABLISHED 1928

ENTERPRISE HEAT & POWER COMPANY
Distributors of Michigan Fuel Oils, Industrial and Domestic Oil Burning Equipment
TRinity 1-9019 and TRinity 1-9009
9127 CONANT Avenue
NEW LOCATION
Detroit 12, Michigan
UNIFICATION IS HERE

By A. N. Langius

Unification of the architectural profession in Michigan, according to certain members of the profession, is something that must still be attained, to others it has already been accomplished. In spite of all the hard work and great amount of time devoted by the first proponents of this goal, it seems obvious that something is still lacking in our present organizational arrangement.

Even members of your committee, who were supposed to be familiar with the original intent, and because of this fact were appointed to a special committee which should adopt certain recommendations and draft the final procedures to complete unification in Michigan, found at the outset that they were not completely in accord on either the original or ultimate intent of the plan.

All of us, however, were agreed that if the job was complete, why is there still so much talk about it and why are there so many architects still not sure of the relationship of the Michigan Society of Architects to the three state chapters of the A.I.A. It seemed to us that we have stopped just short of the finish. We came to the conclusion that we have proceeded as far as possible under the limitations imposed by the Institute and that all remains to be done under the circumstances is a little bit of streamlining and spurring on the part of the Michigan Society of Architects.

To begin with, the original intent was to make all architects registered in Michigan members of the Institute. The secret hope was that other states would do likewise and that each would ultimately establish a state-wide chapter, thereby, unifying all architects on a national scale into a powerful active state organization independent of the A.I.A. This was significant because it showed dramatically that the need for local or grass root organizations was imperative and would not be ignored.

This state of affairs has stymied the progress towards the ultimate goal set up by those that maintain that something additional should still be accomplished in Michigan. The objections to that ultimate goal have been more firmly established from day to day until today the three state chapters of the Institute are unanimous in refusing to surrender their charters. There has also been graphic demonstration of why a state organization independent of the A.I.A. has a definite role in working out Michigan problems directly affecting Michigan architects. In most cases, contact with the State Legislature by architects has been demonstrated to be much more practical if no out-of-state organization is involved.

The pause in progress caused by the present state of affairs has been a good thing. However, the pause has not essentially disturbed the activities of the architects in Michigan, and in many respects unification is real and in practical operation. No other state can equal Michigan's percentage of Corporate Institute Membership and the fact that corporate institute status is not only a requisite but a mandate to membership in the society. There are no associate student or any other class of membership in the society. Such memberships are maintained only in the individual chapters who deal in problems of local interest. With but a little simplification, we can achieve real and complete unification.

The first thing to be borne in mind, however, is the fact that since it would be unwise to disturb the activities of the A.I.A. will surrender its chapter. The third essential fact is that there is a real need for local chapters such as these and also a real need for the Michigan Society of Architects.

Let us then recognize that any individual architect (for these organizations are composed of individuals) demands a local field of expression, a state-wide influence, and a place in the national picture. From this position in the local chapter, he should look to the A.I.A. for national expression, and in the other direction to the Michigan Society of Architects for activity within the state.

The strange thing about it all is that this is exactly what he does today under the present organization arrangement. Therefore, no change is necessary unless he finds that the machinery is too complex and should be simplified. It is evident that as far as the machinery of the A.I.A. is concerned, it is too complex and probably can't be radically changed. On the other hand, the Michigan Society of Architects' machinery is also complex but with the exception of its corporate status, can be changed a little more readily.

Your committee, therefore, would recommend that the following simplifications be inaugurated:

1. That the Society immediately advertise the fact that the officers of the M.S.A. are merely a Board of Directors doing state business for the members of the three chapters.

2. That the Society abolish its present system of electing officers, and in place thereof authorize the three chapters to each elect a certain number of Directors of the Board from their own chapter membership at the same time they elect their chapter officers. The number of Directors for each chapter would be determined as follows:

(a) One Director for each chapter.

(b) One additional Director for each chapter with a membership of 25 or less.

(c) Two additional Directors for each chapter with a membership of 26 to 50.

(d) Three additional Directors for each chapter with a membership of 51 to 100.

(e) Four additional Directors for each chapter with a membership of 101 to 200.

(f) Five additional Directors for each chapter with a membership of 201 to 400.

(g) Six additional Directors for each chapter with a membership of 401 to...

This arrangement would give the Saginaw Chapter two representatives, the Grand Rapids Chapter four representatives and the Detroit Chapter six representatives.

It would eliminate the costly process of balloting by mail the 500 members of the M.S.A. and would result in a 12-man Board, six from Detroit and six out state.

Mr. Langius is Chairman of the Society's Special Committee on the Completion of Unification.
Not in the case of plumbing. No sir! No home need be built so cheaply that copper tubes cannot be used for water lines. They cost, installed, so very little more than rustable piping that the resultant net savings in upkeep will make the house cost less to own and live in, and furnish a proportionately sounder risk for long term mortgage money. F.H.A. has recognized this for years. So have lending institutions. And there’s the added advantage of the convenience and comfort of a home with a rust-free piping system.

Anaconda Copper Water Tubes in all standard sizes and in two wall thicknesses (Types K and L) are stocked, together with solder-type fittings, by wholesale distributors in every part of the country. Plumbing contractors can complete an on-the-site installation of copper tubes with ease, efficiency and economy.

In short, dollars invested in housing will go just a little further when copper tubes are used.
This 12-man Board would then be empowered to elect from its own group a Chairman or President, Vice-President, Secretary and Treasurer. It could also elect an Executive Secretary with the same qualifications as established in the by-laws of the M.S.A. The Society could continue to be incorporated and encourage the Annual Convention and other professional problems of State of Michigan relationship.  

3. That the Society immediately discontinue its State Associate membership in the A.I.A. At the present time the three chapters of the A.I.A. in Michigan are represented at the Annual Convention of the A.I.A. in proportion to their membership. In addition these same members are represented again through the M.S.A. as a state associate member of the Institute with a large number of delegates. Although this is, of course, all in favor of the Michigan architects, it is manifestly unfair to other states not having this setup. If the Society withdrew its State Associate member, we think it would be valuable in another way. The M.S.A. would not then be acting in any relationship to the A.I.A. in state problems but purely under local directives from the members of the chapters who in turn are registered architects of Michigan and members of the M.S.A.  

4. That the Society simplify its dues-collecting records because all of this bookkeeping is absolutely unnecessary and a great waste of time and money is involved. These records are now kept by the individual chapters of the Institute.  

5. That the Society abolish its present standing committees with their ambiguous duties and in place thereof establish committees of the Board of Directors whose duties would be to coordinate the work of the three chapter committees which concern state-wide problems.  

6. That the Society immediately develop a constructive state program for the advancement of the profession in Michigan. Such a program to be paid for from certain of the funds now in the Treasury of the Society. The committee feels that unification is here. The same men participate, the same freedom of action is possible, local, state and national. Confusion in the minds of the members will be eliminated and real money saved to strengthen the activities of the profession if we merely simplify certain existing procedures. No over-lapping committees are necessary as all chapters are at all times represented on the Board of the M.S.A. The Directors chosen by a chapter are in direct touch with the wishes of the Chapter Board who are following out the wishes of the individual members. We feel that if the above recommendations are adopted, we can keep all of the advantages of unification to date and set up a definite clear-cut working method for keeping these advantages secure. If, at some future date, the Institute should change its policy on incorporation of local chapters and in addition determine that one state-wide chapter would better serve their purposes, the proposed organization will fit perfectly into such a scheme. We have come to the conclusion that under the 'Michigan Plan' we have proceeded further than any other State. If further steps are necessary it is up to the Institute and not us. It is high time that we once and for all dispose of the Institute of this fact so that we can quit talking about it and get to the more important business of the profession for which all of our organizations were originally formed.  

MEMBERSHIP COMMITTEE  

GEORGE M. McCONKEY  
Chairman  
Since unification of membership in the three chapters of the A.I.A. in Michigan and the Michigan Society of Architects is now an accomplished fact, with over 90% of the Michigan Architects as corporate members of the Institute and paying dues through the Detroit, Grand Rapids or Saginaw Valley chapters, the Society's Membership Committee is no longer necessary. Following are the membership figures: Architects registered in Michigan, who live, practice or are employed in Michigan ....... 555 Membership in the three chapters: Detroit .......... 420 Grand Rapids ...... 61 Saginaw Valley ....... 19 500 Percentage of Institute membership ....... 90% Non-resident members of the M.S.A. ....... 62 Total M.S.A. Membership ....... 562

MICHIGAN SOCIETY OF ARCHITECTS  

Page 85

Long Experience — Adequate Facilities  
Clean Cut Business Procedure  
BLUE PRINTING and PHOTOSTAT REPRODUCTIONS  
O & O Blue Print & Supply Co.  
Cadillac 0005-0011 77 Sibley St.  

Murray W. Sales & Co.  
Wholesale  
PLUMBING and HEATING SUPPLIES  
U. S. Tile — DETROIT — Pontiac  
801 W. Baltimore RAdison 4200

CINDER BLOCK INC.  
9303 Hubbard Avenue  
Bel. Chicago and Joy  

FREDERIC & STEVENS INCORPORATED  
FACE BRICK, GLAZED BRICK, GLAZED AND UNGLAZED TILE, FLOOR TILE ANTI-HYDRO—  
For Hardening and Waterproofing Concrete  
510 THIRD ST. RAndolph 5930 DETROIT

O. W. BURKE CO.  
GENERAL CONTRACTOR  
FISHER BUILDING  
MAdison 0810 Detroit, Mich.

— CLASSIFIED —  
BRAUN LUMBER CORP. — TO. 6-0320, Davison  
and G.T.R.R.  
f  M. SIBLEY LUMBER COMPANY — 6460 Ker­  
cheval Avenue, Fitty 5100  
RESTRICK LUMBER COMPANY — 1400 Wyoming,  
HOgarth 4830

HANLEY COMPANY  
E. F. ZERGA, Manager  
Face Brick  
Floor Brick  
Glazed Brick  
Clear Glazed Facing Tile  
Unglazed Facing Tile  
Floor Tile  
14545 Schaefer VE. 7-3200 Detroit 27, Mich.

PLASTI-GLAZE  
Plastic-GLaze the Post War Glazing Compound to specify.  
Made from bodied oils and special pig­  
m ents. Weatherometer tests prove that Plastic­  
Glaze when properly applied and maintained will last as long as the  
sash. Dries rubbery hard, not rock hard, easy to apply, easy to  
remove.

For long life, weather and air-tight glazing use America's Leading Glazing Compound — PLASTI-GLAZE.

Plastic Products Co. Inc.  
DETROIT — CHICAGO — JERSEY CITY
On this and the facing page are shown views of the Community Building at Royal Oak, Michigan.

On the following pages, 88, 89 and 90 are other examples of recent work from this progressive office.
Clean lines and modern simplicity mark the design of the Wayne County Health Center, from the office of Eberle M. Smith Associates, shown on this page and at the top of the facing page.
GENERAL VIEW

Wayne County Health Center
Wayne County, Michigan

EBERLE M. SMITH ASSOCIATES, ARCHITECTS

Melvindale High School
Melvindale, Michigan

FEBRUARY 25, 1947
Dearborn Memorial Recreational Center
Dearborn, Michigan

EBERLE M. SMITH ASSOCIATES, ARCHITECTS

Livonia (Michigan) Township
High School
Rayl’s have the Best in Hardware

For planning now and building later, correct hardware specifications will aid your planning and as new improved hardware products are perfected, they can be co-ordinated with the plan.

Rayl’s Contract Builders Hardware Department has years of experience in cooperating with architectural firms doing difficult jobs. It has the contacts with nationally known manufacturers, covering the entire range of Building Hardware.

Therefore, it is well qualified to accept the responsibilities of supplying various specialized demands.

Rayl’s Feature

**PLANK FRAME**

**REVERSIBLE WINDOW EQUIPMENT**

**APPLIED TO WOOD SASH**

Eliminates Sash Weights, Pulleys, Chain or Cord, Sash Balances Window Cleaner Bolts and is weather tight. Initial Cost is Low.

**REDUCES MAINTENANCE COSTS**

by Enabling window cleaning and reglazing to be done from inside the building safely and quickly and by reducing heat loss.

**IDEAL DEFLECTED VENTILATION**

by TILTING EITHER OR BOTH SASH

**DISTRIBUTORS**

YALE LOCKS
NORTON AND YALE
STANLEY WORKS
BEST
WILLIAMS REVERSIBLE

RICHARDS-WILCOX
Sliding and Hinged Door Hardware

LAWSON
Bath Room Cabinets and Fixtures

BOMMER AND CHICAGO
Spring Hinges

VON-DUPRIN
Panic Exit Bolts

Complete Line of SCHLAGE Locks and Builders Hdwe.

In Stock


Quality Since 1875

228 CONGRESS STREET, WEST

FEBRUARY 25, 1947
The basic Metlwal panel consists of an asbestos-lined steel sheet with corrugated steel backing. These panels are snapped on to steel studs set in floor and ceiling channels. This, says the Company, gives Metlwal both vertical and horizontal support for greater strength. The four major installation steps are shown on this page. All panels and parts are Bonderized against rust and corrosion. By providing an all-flush surface from floor to ceiling, Metlwal panels eliminate the need for plaster in new construction and for filler boards of other materials at ends or above cornice level. The face sheets of Metlwal are pre-decorated; factory-finished in natural wood-grain reproductions or baked enamel finishes in a variety of colors. Martin-Parry claims that these surfaces will not chip, crack or craze ... do not reflect harsh, metallic light ... combine rich beauty, quiet and fire resistance with low initial cost, permanent economy and easy maintenance.

A Metlwal partition consists of two surfaces of Metlwal paneling, as shown in the cutaway drawings. It is full 4” thick with a single line joint from floor to ceiling. Ample space for pipes and cable is provided. Slotted holes in the studs facilitate wiring. Both Metlwal partitions and paneling are finished at ceiling and floor and with cornice and base sections, giving easy access to wiring.

According to the Company, panels may be quickly and easily removed, separately, without disturbing the other panels. As the panels correspond to door sections, doors may be located at any desired location. Standard panel sections may be used as air conditioning or heating ducts. Special fittings, including cut-outs for switch plates, are made on the job with a saw, to meet field conditions. The Metlwal line includes standard sections for ceiling and cornice-high partitions; glazed and standard movable steel railings; and such accessories as horizontal double sliding windows, hinged or stationary grill with shelf, information windows with shelves in 2 or 4-foot widths, vertical or horizontal pivoted sashes, hinged glass wicket with shelf, slotted metal bases for air circulation and standard glass panel doors with louvres and transom with concealed mechanical operating control.

Metlwal is manufactured at Martin-Parry's new, 1120-foot plant at Toledo, Ohio. The Company says that its modern, fully-automatic equipment insures the uniformity necessary to preserve the interchangeability of Metlwal panels. The electrostatic paint spraying method is used in finishing Metlwal, while an automatic rotogravure process is employed by Martin-Parry to produce the woodgrain finishes on Metlwal panels.
Martin-Parry's new Toledo plant - 500,000 sq. ft. of plant, 20,000 sq. ft. of air-conditioned office space.

**CUTAWAY SECTION OF PARTITION**

A—Steel studs (spaced 24" apart) for partitions.
B—SNAP-ON INDENT—a special feature.
C—Woodgrain finish on exterior surface.
D—Asbestos lining.
E—Corrugated backing affording horizontal support.
F—Corrugated backing of reverse panel.
G—Steel vertical panel stiffener.
H—3½" air space.
I—Paneling studs with clips attached (spaced 24" apart).
J—Floor and ceiling channels receive paneling studs.
K—Removable base section, interchangeable for paneling and partition.

**CUTAWAY SECTION OF PANELING**

Cutaway showing how SNAP-ON INDENT engages in groove of Metlwal Panels.

**FIRST STEP**

ATTACH FLOOR AND CEILING PANELS

**SECOND STEP**

ATTACH FLOOR AND CEILING PANELS

**THIRD STEP**

INSERT STUDS IN CHANNELS

**FOURTH STEP**

SNAP ON PANELS TO STUDS

ADJUSTMENT FEATURE

SNAP ON BASE

ADJUSTMENT FEATURE

FEBRUARY 25, 1947
**SPECIFY:**

**Carrier**

Air-Conditioning and Refrigeration units. Sizes available for single rooms, offices, stores, restaurants, theaters and factories. Also complete frozen-food locker plants.

**STOKOL**

Stokers, in hopper or bin feeds—all sizes: for homes, stores, factories, apartments, etc. More than 8,000 installed by our engineers in Detroit area. Uses inexpensive coal—fuel available from our own yards.

**Williams Oil-O-Matic**

Oil burners—one of the oldest lines of home heating equipment on the market. There is a Williams Oil-O-Matic for every requirement, from the small home to the large building.

**Clark National Oil Burner**

Equipment is specially designed for larger heating requirements. All parts precision built—to last! Made in sizes from 3 to 300 boiler H.P. Approved by Underwriter Laboratories to burn #6 oil, completely automatic. All equipment is sold, serviced and guaranteed by our 25-year old organization of heating engineers. Phone or write us today!

**NATIONAL OIL BURNER Equipment is specially designed for larger heating requirements. All parts precision built—to last! Made in sizes from 3 to 300 boiler H.P. Approved by Underwriter Laboratories to burn #6 oil, completely automatic. All equipment is sold, serviced and guaranteed by our 25-year old organization of heating engineers. Phone or write us today!**

**WITHIN TRUCKING DISTANCE . . .**

The Detroit Plant of the National Fireproofing Corporation is located at the northern boundary of the Detroit Metropolitan District on Inkster Road, one-half mile south of West Maple Road. It brings a close and economical source of supply to the building industry of Michigan. All products manufactured at this plant may be used for both exterior and interior walls.

Due to its pleasing appearance, sanitary qualities, ease of cleaning, insulation advantages, with savings in erection and maintenance costs:

**NATCO GLAZED STRUCTURAL FACING TILE**

as furnished in 2\(\frac{1}{4}\) x 8\(\prime\), 5 x 8\(\prime\), 5 x 12\(\prime\) and especially in the 8 x 16\(\prime\) face size with ground edges, is getting increased preference from architects throughout Michigan for interior walls and partitions.

**WRITE FOR SPECIFIC INFORMATION**


**NATIONAL FIREPROOFING CORP.**

General Office—Pittsburgh (12), Pa.

DETROIT OFFICE

5737 Commonwealth Ave. Phone MA. 2181

WE trimalh BULLETIN
AUDITORIUM

EMSEE THEATRE
Mount Clemens, Michigan

TALMAGE C. HUGHES, ARCHITECT

The nine-story Leader Building, to which the Theatre is an addition, was done by the office of Weston and Ellington, Architects. One of the existing stores was used as an entrance and lobby.
DIRECTORY OF ADVERTISERS

Arons Iron Wks., Inc. 60
Allied Steel & Conveyor Co. 56
Aluminum & Architectural Metals Co. 66
American Brass Co. 84
American Radiator & Standard Sanitary Corp. 16
Anderson, E. J. 66
Andersen, W. H. Co., Inc. 28
Associated General Contractors of America. Detroit Chapter 18
Auch, Geo. W., Co. 26
Austins 34
Bain-Anderson Construction Co. 73
Belden-Stark Brick Co. 73
Braun Lumber Corp. 5
Brodie, J. & Sons, Inc. 67
Bryant & Delwiler Co. 50
Burke, O. W., Co. 11
Busch, John D. & Sons, Inc. 68
Cadillac Glass Co. 70
Campbell Construction Co. 52
Candler, Wallace, Inc. 96
Century Brick Co. 13
Chapper, F. A., Iron Wks., Co. 4
Century Brick Co. 96
Chappell, John D. & Sons, Inc. 68
Chapman, Arthur Co. 80
Chapman, Zebuline & Duren 60
Hardware Distributors Corp. 40
Haven-Bush Co. 28
Healthman & Lovett Co. 40
Horn Fuel & Supply Co. 64
Horn Lumber Co., Inc. 64
Hudson, The J. L. Co. 66
Huron Cement Co. 82
Hutton, Robert & Co. 73
James and Booth 58
Johnson-Mansfield 24
Josam Mfg. Co. 1
Kaufman, H. Co. 75
Kimball & Wilson, Inc. 48
Koenig Ceal & Supply Co. 72
Kuhne Simmons Co., Inc. 70
Kukla, Max 85
Krohtrym Hoges Construction Co. 2nd Cover
Lorne Plumbing & Heating Co. 68
Lowrie & Gillman Lumber Co. 5
Lowrie Lumber Co. 68
Mahan, The R. C. Co. 3rd Cover
Malow, N. H. Co. 85
Marsh Well Products Co. 46
Martin, F. H. Construction Co. 73
Martin-Hoffman Co. 66
Martin-Perry Corp. 92-93
Master Builders Co. 26
Maul Maccione Co. 60
Michigan Bell Telephone Co. 76
Michigan Consolidated Gas Co. 78
Milkor Steel Co. 13
Miller, Donald Co. 44
Morris, C. Stanley 58
Mulder & Co., The 73
Mumma Bros., Inc. 73
National Bank of Detroit 94
National Fireproofing Co. 86
Nelson Co. 48-73
Fleischmann, Arthur Co. 80
Flint Mosaic Tile & Terrazzo. Inc. 60
Frazer Paint Co. 80
Gabriel Steel Co. 77
Grass & Elliott Co. 73
Grand Rapids Sash & Door Co. 28
Grand Rapids Steel & Supply Co. 66
Green, John E., Co. 58
Hanley Co. 26-85
Harleau, Zebuline & Duren 60
Hardware Distributors Corp. 40
Haven-Bush Co. 28
Healthman & Lovett Co. 40
Horn Fuel & Supply Co. 64
Horn Lumber Co., Inc. 64
Hudson, The J. L. Co. 66
Huron Cement Co. 82
Hutton, Robert & Co. 73
James and Booth 58
Johns-Manville 24
Josam Mfg. Co. 1
Kaufman, H. Co. 75
Kimball & Wilson, Inc. 48
Koenig Ceal & Supply Co. 72
Kuhne Simmons Co., Inc. 70
Kukla, Max 85
Krohtrym Hoges Construction Co. 2nd Cover
Lorne Plumbing & Heating Co. 68
Lowrie & Gillman Lumber Co. 5
Lowrie Lumber Co. 68
Mahan, The R. C. Co. 3rd Cover
Malow, N. H. Co. 85
Marsh Well Products Co. 46
Martin, F. H. Construction Co. 73
Martin-Hoffman Co. 66
Martin-Perry Corp. 92-93
Master Builders Co. 26
Maul Maccione Co. 60
Michigan Bell Telephone Co. 76
Michigan Consolidated Gas Co. 78
Milkor Steel Co. 13
Miller, Donald Co. 44
Morris, C. Stanley 58
Mulder & Co., The 73
Mumma Bros., Inc. 73
National Bank of Detroit 94
National Fireproofing Co. 86
Nelson Co. 48-73
MICHIGAN SOCIETY OF ARCHITECTS

C. STANLEY MORGAN Manufacturers of
ASBESTOS PRODUCTS
PIPE COVERINGS
Made In Detroit Since 1909
CADILLAC 6446

Wallace Candler, Inc.
COMPLETE ROOFING
AND SHEET METAL SERVICE
DETOIT 4.
9000 ROSELANW
HOGARTH 7544

The Toledo Plate & Window Glass Co.
Glass Jobbers & Glazing Contractors
Distributors of
WEAVER-WALL Asphalt Shingles
and
ASBESTOS LTD. Asbestos Ceiling
Warehouses
DETOIT GRAND RAPIDS CLEVELAND TOLEDO

WHITCOMBE-BAUER FLOORING, INC.
HARDWOOD FLOORING CONTRACTORS
10301 Lyndon Ave. HOgarth 1655
DETOIT 21, MICHIGAN
Rolling Steel

DOORS

Manually • Mechanically • Power Operated

The complete line of Mahon Rolling Steel Doors, Grilles and Automatic Shutters is creating a new concept of value, and is winning favor through compact, ultramodern designs, quality of materials and workmanship. The Mahon Power Operator in particular offers advantages in design and operation not available to you elsewhere. There is a Mahon Rolling Steel Door, Grille or Shutter to meet perfectly every commercial or industrial requirement. See Mahon Insert in Sweet's File, or consult a Mahon engineer.

THE R. C. MAHON COMPANY
Detroit 11, Michigan • Western Sales Division, Chicago 4, Illinois

Manufacturers of Rolling Steel Doors, Shutters and Grilles, and Mahon Steel Deck for Roofs, Sidewalls, Partitions, Acoustical Ceilings, Permanent Floor Forms and Oversize Doors.

Mahon Chain Operated Rolling Steel Doors installed in the freight sheds of the Wabash Railroad, Chicago, Ill.
Stran-Steel provides a highly practical, economical method of fire-resistant construction for light buildings. This modern framing material is not only non-inflammable itself, but also permits the most efficient use of fire-resisting collateral materials.

Freedom of choice in selecting collateral materials is made possible by the nailing groove in Stran-Steel framing members. This patented feature, exclusive to Stran-Steel, enables workmen to nail other building materials directly to the steel framing members. Construction with Stran-Steel is fast, rigid, durable...assures longer building life and simplifies maintenance problems.

Build lasting value into homes, apartment buildings and light commercial and industrial structures...build with Stran-Steel! For further information, see Sweet's File, Architectural, Sweet's File for Builders, or the January issue of Building Supply News.

Build with STRAN STEEL

GREAT LAKES STEEL CORPORATION
Stran-Steel Division - Penobscot Building - Detroit 26, Michigan
UNIT OF NATIONAL STEEL CORPORATION