TO PROVIDE A FORMULA for measuring the proper scope and function of a building code, we have the "Problem of Building Codes," set forth in the 1944 report on "AMERICAN HOUSING" by the Twentieth Century Fund in part as follows:

"The preparation of a satisfactory building code presents a three-fold problem. First there is the difficulty of reconciling engineering and social ideals with economic realities. How fire-safe can we afford to make our dwellings? How elaborate can we make our equipment requirements and still build low-priced houses? No matter how correct they may be technically, codes that raise the cost to a point where only a few can pay for new housing defeat the objectives of proper public regulation. They simply result in the retention of quantities of sub-standard and old housing."

"The second code problem is that of wording the requirements for floors, walls, structural members, etc., so as not to exclude sound new building methods and materials. This can be solved effectively only by establishing performance requirements rather than specifications for the parts of a building—thus, not the thickness and materials of a wall, but the wind load and live load it must provide for, the duration of fire it must resist, and so on. The performance basis, with the flexibility and materials to the performance needs, for thickness of walls, and sizes and weight of pipe are not warranted by any real distinction among localities."

Architects familiar with the Detroit building code will easily call to mind many parts that fall far short of conformity with the foregoing formula.

Consider, for example, our code's requirements for bathroom windows of specified sizes; windows which can and do remain closed six months or more of the year and are useless for light purposes half of the time, and can be dispensed with entirely without harm to health, as they now are in hotel rooms everywhere, with or without forced ventilation. It is much more desirable to have inside bath rooms, as they do in Sweden, than no bath at all. A window, of course, is very desirable and would be provided, code or no-code, but the bath is the important thing and needed with or without a window.

In the war period just passed any surplus use of material or labor not reasonably needed to do the job was considered detrimental to the war effort. It amounts to the same thing now. Costs of time and material are now so important a factor in the present urgent building requirements that to point out any possible improvement along these lines is to do a good service to those who need more and better housing and risked their lives that we might keep what we have.

WALTER HICKEY AND RAY WEBER, of General Motors styling division, in Detroit, have been awarded fourth prize in the competition for a house for a Georgia family, sponsored by Rich's department store, in Atlanta, and Progressive Architecture, Pencil Points. First prize of $3,000 was won by Hugh Stebbins, of Boston. Total prizes amounted to $10,000.
MICHIGAN SOCIETY OF ARCHITECTS
O. W. BURKE CO.
GENERAL CONTRACTOR
FISHER BUILDING
Detroit, Mich.

UNIVERSITY 2-3413
DARIN and ARMSTRONG
Incorporated
GENERAL CONTRACTORS
2041 FENKELL AVENUE DETROIT

GLANZ & Killian Co.
Contractors
PLUMBING — HEATING — VENTILATING
FIRE PROTECTION SPRINKLER SYSTEMS
1761 West Forest Avenue Temple 1-7220

Marsh Wall Products, Inc.
EXCLUSIVE MANUFACTURERS OF DECORATIVE:
MARLITE
DOVER, OHIO
Division Engineer, Wm. E. Ogden
6132 Cass Avenue Detroit 2, Michigan

PUNCH & JUDY THEATRE
Kercheval at Fisher Road N. 3898
WEDNESDAY—THURSDAY MARCH 6-7
Dorothy Lamour—Jon Hall
"HURRICANE"
FRIDAY—SATURDAY MARCH 8-9
James Cagney—Sylvia Sidney
"BLOOD ON THE SUN"
SUNDAY thru THURSDAY MARCH 10 thru 14
Rossalind Russell—Lee Bowman
"SHE WOULDN'T SAY YES"

Murray W. Sales & Co.
Wholesale
2604 FOURTH AVE. PHONE RA. 4162

Viking Sprinkler Co.
Fire Protection Engineers & Contractors
Automatic Sprinkler Systems
1125 East Milwaukee Avenue MAdison 4230 DETROIT, MICH.

Belden-Stark Brick Co.
4305 Livernois Detroit 4, Michigan

COLORFUL BRICK
For Permanence
Tile For Beauty and Economy

W. H. ANDERSON CO., INC.
Detroit, Michigan

CELOTTEX - CELO - BLOCK
COLD STORAGE INSULATION
PIPE and BOILER COVERING

GREAT NORTHERN ENGINEERING CO.
13107 Grand River Ave., Detroit 27
HO. 0400

ROCKWOOL INSULATION
COMMERCIAL and DOMESTIC

GREAT NORTHERN INSULATING CO.
13105 Grand River Ave., Detroit 27
HO. 2166
**ARCHITECTONICS**

the bulletin of the Grand Rapids Chapter, American Institute of Architects, February 14th, 1946.

**THE JANUARY MEETING** was a thing.
In the first place, there was a very large attendance, the dinner was excellent, the cocktail party was good (altho the Manhattan I had must have come from Manhattan, Kansas) and the talk by Prof. Hammett was extremely interesting. He described the preservation of buildings of historic value by the Civil Affairs officers. It was a memorable evening. President Rosa presided with austere dignity required by flashes of the cracker barrel philosophy that has made him famous. That and his corn cob pipe.

**DUE TO THE FACT** that the usual method of mailing is to mail in their cards, five people who attended had to eat powdered eggs, Spam, or some such confection. When will you rats learn to send out the copies of Architectonics? I do not send out the copies of Architectonics. I do not send them this is the big department.

In my office, this is the big department. In charge of administering the anesthetic? Aside to Louis Kingscott; Now we know what kind of a news item is that? Obviously Col. Doud has a front name, possibly even a middle initial. Where is it? Previously Col. Doud has a front name, probably because he was too busy referring to this Architectonics as a "gabsheet." Watch your language, Phil. **PHIL HAUGHEY'S ADDRESS** is 412 Post Building, Battle Creek, Mich. He left his address off the statements, probably because he was too busy referring to this Architectonics as a "gabsheet." Watch your language, Phil.

**UP AT THE GRAND RAPIDS ART GALLERY** they are showing a very interesting exhibit. Here is what they say about it:

**If you're going to build a house**
An exhibition which attempts to prove to the prospective homebuilder that a new house need be neither an imitative 'architectural portrait' nor an over-specialized unfriendly laboratory, is now showing at the Art Gallery until Feb. 28th.

"If you're going to build a house," prepared by the Museum of Modern Art, New York, is based on the publication of the same name, published by the Museum in February, 1946, and consists of explanatory panels of Photographs and test photographic enlargements, and cartoons by Robert C. Oshana.

The photographs and enlargements which have been taken from the book indicate the variety of form possible, as well as the flexibility and adaptability to the individual which is the fundamental advantage of modern architecture. The exhibition labels, based on the book written by Elizabeth Mock of the Museum's Department of Architecture, present a simple, informal analysis of problems in home planning, designing and construction, and discuss the advantages and disadvantages of modern design. Like the book, the exhibition is undogmatic and does not attempt to be a technical treatise but suggests the answers to many of the questions home-builders must face.

Specific panels deal with such problems—and their solutions—as Choosing the Architect, How Big is a House, Small Houses can Seem Large, Division of Space, Living-Play-Studjj, Outdoor Living, The Possibilities of Maximum Light, How Much Light and Openness Do You Want? etc. The cartoons point out these problems and particularly emphasize fads and outmoded solutions and psychological hazards.

Grand Rapids is the first city in this part of the country to have this exhibition, which will continue its tour throughout the country under the auspices of the Museum of Modern Art of New York City.

**WELL, THAT'S ALL FOR THIS TIME,** Did I ever explain to you how to sign your name on a card and send it back to the secretary? No! Some day I must do so. In the meantime, keep out of the planning mill, Rover; you're going against the grain.

ROGER ALLEN, Editor.
I.E.S. Meeting

The Illuminating Engineering Society, Michigan Section, is planning on holding a meeting in the Detroit Edison Auditorium, 2000 Second Avenue, at 7:00 P.M., Tuesday, March 12, 1946, with Professor Russell C. Putnam, Associate Professor of Illumination at Case School of Applied Science, and Consultant to the General Electric Lamp Division, Nela Park, Cleveland, Ohio, as speaker. His subject will be "Trends In School Lighting" and this should be of particular interest to architects specializing in school lighting.

Dinner at One Dollar will be served in the Detroit Edison Cafeteria, at 5:45 P.M. Reservations for dinner are requested and may be made by calling Randolph 4114. Extension 9435.

CLAIR W. DITCHY, FAIA, has removed his offices from 333 State St. to 5 W. Larned St., Detroit 26. His former offices were in the Lincoln building, which has been taken over in large part by the Michigan Bell Telephone Co. His new space is a whole floor in a building at Woodward Ave. and Larned street. The building is 20' wide by 100', ten stories high.

AAA PICTURE FRAME SHOP
2811 Grand River Ave., Detroit 1
Randolph 4114
100 Patterns to choose from — Mouldings from 1/4" to 3" — Gold and Assorted Color
SPECIAL PRICES TO ARCHITECTS
John Germaine, Proprietor

MOYNAHAN BRONZE COMPANY
Always Forward
WITH DESIGNS, TECHNICS AND MANUFACTURING FACILITIES TO ASSIST YOU IN POSTWAR WORK

Standerd Cotton Insulation
- Moisture Proof
- Best at Lowest Cost
- Greater Heat Resistance
- Vermic Proof
Tests Prove Greater Efficiency of Cotton
Warren Fibre Products Co.
14290 Meyers Road
Detroit 27, Michigan
Telephone Hogarth 5675

DUNN BLUE PRINT CO.
"At Your Service—Any Time—Any Where"
TR. 1-7525

• With our many years of experience and newly-acquired craftsmanship resulting from our war contracts, we are in an even better position to serve on peace-time construction now that hostilities have ceased.

MOYNAHAN METALS COMPANY
2658 Porter Street
Detroit 18, Michigan
Lafayette 1316

Day and Evening Courses in Engineering and Chemistry
Spring Courses Start February 4
DETOIT INSTITUTE OF TECHNOLOGY
303 Downtown Y.M.C.A. Bldg., Detroit
Patronize Our Advertisers!
WEEKLY BULLETIN
MICHIGAN SOCIETY OF ARCHITECTS
VOLUME 20, NUMBER 11, MARCH 12, 1946

- PROGRAM
- CONVENTION
- ROGER ALLEN
- CLAIR W. DITCHY
- ROSTER OF MEMBERS
- REPORTS OF COMMITTEES
- HARLEY, ELLINGTON & DAY

M. S. A. 32nd Annual Convention
Beckham Memorial Building, Detroit, March 15, 1946
They're not available now . . . but

The new Gar Wood Heating Units are destined to reach a new high in popularity. That's no wonder when you consider the thousands of owners who know from actual experience that Gar Wood stands for high efficiency and unusual economy of operation. Home owners talk about that kind of performance. And here's a word to the wise: the new oil-fired or gas-fired Tempered-Aire Units and the oil-fired Boiler-Burner Units, Conversion Burners and Water Heaters are better than ever before . . . in performance, eye-appeal and sales appeal.

Here's why it pays to specify Tempered-Aire

- Advanced Gar Wood Engineering
- Tried and Proved for more than 10 years . . . plus recent developments
- Completely Automatic
- The Original Oil-fired Furnace-Burner Unit on the market
- Beautifully designed die-formed cabinet
- Now more efficient than ever
- Proved economy of operation
- More compact . . . smaller in size

See your local Gar Wood Dealer or write us directly for further details

Gar Wood Industries, Inc., Heating Division
7924 Riopelle Street
Detroit 11, Michigan

Canadian Distributors: Engineering Industries, Ltd., 282 Dupont St., Toronto, Ont.

Hoists and bodies . . . winches and cranes . . . tanks . . . road machinery . . . motor boats
There's no need to sacrifice ventilation when you use a picture window. Flank it on both sides with Fenestra Steel Casements that swing out to scoop in the breezes. That offer double sales appeal—a view plus ventilation.

But there's more to it than that. Women like the neat, smart appearance . . . the finger-touch operation . . . modern screens that fit inside.

The new line of Fenestra Steel Casements provides a right window for every room in the house—designed for proper function—and for easier installation in every type of construction.

Fenestra Steel Casement Windows are truly modern windows—planned for the better, more graceful living that Americans expect in tomorrow's new homes. Detroit Steel Products Company, Dept. NA-3, 2268 East Grand Blvd., Detroit 11, Michigan.
This Mark of Merit on heating equipment and plumbing fixtures... is your assurance of satisfactory service

This easily recognized Mark of Merit now is being extensively advertised to millions of home-owners and builders as the dependable guide to the best in heating equipment and plumbing fixtures.

Like the "Sterling" mark on silver, this Mark of Merit on heating equipment and plumbing fixtures stands for the very finest. It identifies time-tested, performance-proved products which are backed by many millions of dollars spent in research. Products which have been Serving the Nations' Health and Comfort for more than half a century.

Make certain of satisfaction by specifying American-Standard products. These products are styled, designed and engineered to fit the widest range of architectural and structural requirements.

For information, contact your Heating and Plumbing Contractor. American Radiator & Standard Sanitary Corporation, P. O. Box 1226, Pittsburgh 30, Pa.

American-Standard
HEATING-PLUMBING
Serving the Nations' Health and Comfort
PERSONALIZED HEATING CONTROL brings MODUFLOW* TO APARTMENT BUILDINGS

The benefits of Moduflow, already acclaimed by home owners everywhere, are now available for apartment buildings with Minneapolis-Honeywell Personalized Heating Control.

Entirely New Advantages...

In a building equipped with Personalized Heating Control, every tenant is able to select just the temperature desired. Each family is independent of the heat preferences of other occupants. Overheating, with resultant waste of fuel, is eliminated. These are truly remarkable features — entirely unknown just a few years ago. Yet sales records demonstrate that when you specify Personalized Heating Control, property owners and managers recognize quickly the advantages of easier rentability and heating economy.

For All Buildings...

Honeywell P. H. C. Systems are suited for apartment buildings of any size. During construction, this new development can be installed at a small fraction of the over-all cost. For existing buildings, installation is handled without remodeling or even redecorating. Moreover, Personalized Heating Control is adaptable for air, water and steam heating plants. Mail the coupon today for full information and engineering data.

MODUFLOW is Honeywell's newest heating control system for homes. It means heat modulated to just the right comfort temperature, with a uniform and continuous flow. Moduflow will eliminate "up-and-down" temperatures caused by ordinary intermittent heat supply.

MINNEAPOLIS-HONEYWELL REGULATOR COMPANY
2621 Fourth Avenue South, Minneapolis 8, Minn.

Please send information about M-H Personalized Heating Control for apartment buildings.

Name: 
Address: 
City: State: 
Manager: Architect: Engineer: 

MARCH 15, 1946
BARTON-MALOW CO.

GENERAL CONTRACTORS

2631 WOODWARD AVENUE

DETROIT 1, MICHIGAN

CARL O. BARTON
President

ARNOLD F. MALOW
Vice President & Treasurer
...this new book makes it crystal clear

ARCHITECTS and sheet metal experts throughout the country know that Revere research has developed important new facts about sheet copper construction for all types of buildings. Many have already consulted us, quickly grasped the new principles and applied them to the benefit of their business. Now the facts are available in book form. The how and why are made simple and clear with actual photographs, with easy-to-use charts, with dozens of full-page details covering every kind of installation.

This important 96-page book answers the questions that experienced architects and sheet metal contractors have asked themselves for years, have often brought to us as serious problems, have turned to Revere's technicians to help them solve. You need work out no engineering formulas—now you need only read and apply the final figures from large charts in order to be sure of the finest sheet copper construction that can be built.

While the limited supply is available a copy of "Copper and Common Sense" will be sent free to any architect or contractor requesting it. Write today on your letterhead to Revere.

MARCH 15, 1946
Conservation of Space
Efficiency in Service
both depend on

The installation of STREAMLINE Copper Pipe and Solder Type Fittings under normal water conditions assures many, many years of trouble-free, efficient service at low cost. Copper and bronze do not rust. STREAMLINE Pipe is made from pure copper. STREAMLINE Fittings are manufactured in copper and bronze.

Conservation of space is a very important consideration, especially in large public buildings and hotels. The more space that can be utilized, the more income produced. Since STREAMLINE Fittings are not connected by flaring or threading, no room is required for wrench play to tighten the Fittings into place, nor need any allowance be made for protruding valve stems, which on threaded pipe, must be swung in an arc to secure. Valves and fittings are installed in a minimum of space, they are located exactly where required, and soldered.

Copper Pipe loses less heat by radiation than ferrous piping, particularly if the surface is kept polished, although copper itself is a very rapid conductor of heat. Therefore, it naturally follows that there is considerably less heat loss when the heated element, water or steam, is being conveyed from the point of generation to the points of distribution through copper pipe of uniform, unclogged, internal conducting area.

Plan on specifying and installing STREAMLINE Copper Pipe for your postwar construction—or for replacement.

STREAMLINE
PIPE AND FITTINGS DIVISION
MUELLER BRASS CO.
PORT HURON, MICHIGAN
The Ideal Mortgage

The Mortgage Loan Department of The Detroit Bank has served Detroit for nearly a century. In that time it has loaned many millions of dollars and has made many thousands of mortgage loans which have contributed to the development of home building and home ownership in the community.

To enable you to build or purchase a home or refinance a mortgage or land contract, The Detroit Bank offers its new "IDEAL MORTGAGE PLAN", which includes the following special protective and money saving advantages for the home owner—

1. **LOW INTEREST RATES—MAXIMUM LOANS**—On desirable properties the interest rate may be as low as 4% and the loan up to 60% of appraised value.

2. **TEN-YEAR MORTGAGE**—The mortgage is made for the term of ten years. The borrower saves renewal costs or interim financing over the period of the loan.

3. **PAYMENTS UP TO FIFTEEN YEARS**—On well located, desirable properties the payment period may be extended to fifteen years. This reduces the required annual payment.

4. **LOWER COST**—The borrower pays no bonus, commission or other fee. The only expense is for the necessary examining of the property and title.

5. **REPAY IN FULL AT ANY TIME WITHOUT PENALTY**—The loan may be paid in full at any time without prior notice, additional interest or pre-payment penalty. Interest is collected only to the date of payment. This is an advantage to the borrower who may sell his property.

6. **ADDITIONAL PAYMENTS AT ANY TIME**—Larger payments than are called for by the terms of the loan can be made at any time. The additional payments may be applied against required future principal payments as they become due.

7. **CONSTRUCTION ADVANCES**—On new construction cash advances are made prior to the completion of the building. There is no fee for this service. Interest is charged only on the amounts advanced.

8. **LOANS ONLY FOR OUR OWN INVESTMENT**—The mortgage is not sold to others and does not become owned by strangers. You receive the continued cooperation of those who originally made the loan.

9. **COMPLETE MONTHLY ACCOUNTING**—Notices of payments due and detailed accounting statements showing the balances in the Escrow Accounts and how your payments have been applied are mailed. You know at all times the exact status of your mortgage account.

10. **CONVENIENCE IN MAKING PAYMENTS**—Mortgage payments may be made by mail or at any of our thirty-two conveniently located banking offices.

You do not have to be a customer of this bank to obtain a mortgage loan.

Apply at any of our thirty-two banking offices.

**THE DETROIT BANK**

COMMERCIAL and SAVINGS BANKING

Main Office: GRISWOLD at STATE

MEMBER OF FEDERAL DEPOSIT INSURANCE CORPORATION
IN DESIGNING HOMES you doubtless visualize them complete, lights glowing, every aspect of comfort in furnishings and accessories carried out in harmony with the architectural plan which you have created. Hudson’s Decorating Department offers a trained staff, ready to work with you and your client in interpreting and blending your ideas so that the finished home will measure up to your expectations. We will create a plan complete to the tiniest details, assemble everything that’s needed from ceiling to floor. And in this way—working closely to your basic home design—rugs, draperies, furniture, pictures, even smaller decorative accessories will be in smooth accord. All you need do to put this service at your command is to telephone for an appointment, and come in. Then, planning can begin at once.

If it seems difficult for your client to picture from blueprints just how her completed home will look, we suggest that she bring in the plans and discuss them with a member of our Consultation Service. Furnishings which she may want to use again, in the new setting, can then be coordinated with the other things which she will select for her future home.

CALL CHERRY 5100—EXTENSION 8161

Eighth Floor—Woodward Avenue Building—Section E

THE J. L. HUDSON COMPANY
One of the five Thermopane windows in the “Octagon” skiing lodge on top Mt. Mansfield, Vermont’s highest mountain. Photo by J. Norman Richardson.

**Picture of Thermopane in action**

It’s hard to believe there’s glass between the camera and the outdoors in this picture.

But there is—two panes, in fact, with a sealed-in air space between them. For this window is Thermopane—the transparent glass insulating unit.

The outdoor temperature was 19 degrees below zero when this picture was taken. The temperature differential between outdoors and indoors sometimes reaches 100 degrees or more. The clarity of the glass demonstrates how effectively Thermopane reduces the possibility of condensation. It points up the fact that when you plan large areas of glass to achieve pleasant interiors by making the most of exciting views—Thermopane is the practical answer.

Will the buildings which you are planning today be up-to-date a few years from now? A lot depends on how you use glass—and whether the window areas are effectively insulated. Write for our illustrated Thermopane book, which gives sizes, thickness of glass, insulation values and other pertinent data, before you put your designs on paper. Thermopane is also available in Canada. Write to Libbey·Owens·Ford Glass Company, 3136 Nicholas Building, Toledo 3, Ohio.

WHEREVER VISION IS IMPORTANT
USE L.O.F. Polished Plate GLASS

LIBBEY·OWENS·FORD
a Great Name in GLASS
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

Standard Single Door, 8' and 7'9" x 7'2"
Twin Door, 16'0" and 15'6" x 7'2"

Extra Width, 8'6" x 7'2"
Extra Width, 16' and 17' x 7'2"

FURTHER DETAILS ON REQUEST

TILT-A-DOOR CORPORATION

503 East Nine Mile Road

ELmhurst 6780 — Royal Oak 9140

Detroit 20, Michigan
SOME OF OUR ASSOCIATION'S FUNCTIONS ARE:

To furnish our members with help and advice on ever-changing government rules and regulations, supply of building materials and unusual manpower problems.

Our national association has headquarters in Washington, D.C. with a large staff of specialists assigned to the various intricate phases of the construction industry who are available to us at all times.

Therefore as in the past but particularly during these trying times members of the Associated General Contractors of America can provide most satisfactory services in all fields of construction locally and nationally.

THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA
DETROIT CHAPTER, INC.

Ralph A. MacMullan, Secretary-Manager

1437 Book Building
RAndolph 6297-8
Detroit 26, Michigan

MARCH 15, 1946
DETROIT DISTRICT
RETAIL LUMBER
DEALERS ASS'N.

Phone TYler 4-2022
8429 Epworth Blvd.
DETROIT 4, MICHIGAN
DARIN AND ARMSTRONG
Incorporated
GENERAL CONTRACTORS

2041 FENKELL AVENUE
DETROIT 3, MICHIGAN

MARCH 15, 1946
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

Manufacturers of Cinder Blocks

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

HORN LUMBER COMPANY, Inc.

14523 SCHAEFER ROAD

Everything in Lumber and Millwork

VERmont 6-5500

VERmont 7-2055
... a great name sponsors a great new line of major household appliances.

Keeping its pledge to produce "better products for a better world," Norge now offers a line of brilliant new products which complement the best efforts of architects and builders. There's the famous Rollator refrigerator, with new advancements and improvements... a new chest-type home and farm freezer... new gas range, electric range, Rotator washer... a new home heater. Each new Norge is a product of experience—designed and constructed to harmonize with any plan for gracious living.

A BORG-WARNER INDUSTRY


See Norge before you buy
PROGRAM
MICHIGAN SOCIETY OF ARCHITECTS
THIRTY-SECOND ANNUAL CONVENTION

Rackham Educational Memorial Building
100 Farnsworth Ave., Detroit, Michigan

THURSDAY, MARCH 14, 1946
12:30 P.M.—Press Luncheon, Detroit Athletic Club
6:30 P.M.—Cocktail Party and Dinner of the Producers’ Council Club of Michigan, Wardell-Sheraton

FRIDAY, MARCH 15, 1946
8:00 A.M.—Meeting of the Board of Directors, Breakfast at the Wardell-Sheraton
9:00 A.M.—Registration. Informal Reception. (No Registration Fee)
10:00 A.M.—Official Opening of Business Session
Appointment of Tellers on Election of Officers
Minutes of the last Annual Meeting, as published in the Weekly Bulletin of March 20 and April 10, 1945
Reports of Committees, as published in the Weekly Bulletin of March 12, 1946
Report of the Secretary, L. Robert Blakeslee
Report of the Treasurer, Malcolm R. Stirton
Appointment of Auditors for Treasurer’s Report
Greetings to the Annual Convention by the President, Roger Allen
12:15 P.M.—Luncheon, Ball Room, Wardell-Sheraton, Compliments of Minneapolis Honeywell Regular Co.
2:30 P.M.—Business Session
Unfinished Business
New Business
Report of Auditors on Treasurer’s Report
Report of Tellers on Election of Officers
Illustrated Talk on Colonial Williamsburg, by Charles F. Cellarius, F.A.I.A., Regional Director, The A.I.A.
Closing of Business Session
7:00 P.M.—Annual Banquet, Banquet Hall ($3.00)
(Advance Reservations Necessary)
Guest of Honor: Mr. Upton Close
Dress Informal—Ladies Welcome
Installation of Officers
8:30 P.M.—Lecture, Banquet Hall
Speaker: Mr. Upton Close
Subject: "Getting the Building Industry Into Full Production"

ADJOURNMENT

Note: All Events except dinner, are without charge. All are open to the public. Ladies invited. All except Luncheon are at the Rackham Building.

MARCH 15, 1946
LOCAL - NATIONAL - WORLD-WIDE

COMPLETE BANKING AND TRUST SERVICE

DIRECTORS

HENRY E. BODMAN
ROBERT J. BOWMAN
CHARLES T. FISHER
CHARLES T. FISHER, JR.
JOHN B. FORD, JR.
JAMES S. HOLDEN
JAMES INGLIS
WILLIAM S. KNUDSEN
ALVAN MACAULEY
WALTER S. McLUCAS
W. DEAN ROBINSON
R. PERRY SHORTS
GEORGE A. STAPLES
R. R. WILLIAMS
C. E. WILSON

NATIONAL BANK OF DETROIT

30 Banking Offices

Member Federal Deposit Insurance Corporation
UPPON CLOSE TO BE GUEST OF HONOR AND SPEAKER AT M. S. A. 32nd ANNUAL CONVENTION

The Michigan Society of Architects Thirty-second Annual Convention, scheduled at the Packard Building in Detroit, March 15, will have as guest of honor and speaker Mr. Upton Close, eminent news analyst and radio commentator. This, the Society's first peacetime convention, following World War I, will undoubtedly mark the end of the reduced type of one-day annual meeting. In fact, reference to the program will show that pre-convention meetings start with a press luncheon on Thursday, March 14. The Producers' Council of Michigan will entertain delegates and guests at cocktails and dinner Thursday evening at the Wardell-Sheraton. These functions are the "bugle-call" to bring in members the day before in order to start the convention promptly Friday morning.

Of the Producers' function, Walter Torbet says, "We are again arranging for the annual get together with Michigan architects and members of the Wardell-Sheraton, on the evening of March 14. Cocktails will be followed by dinner at 7:00 P.M. The fee for both is $5. Dr. George W. Shepard will address the group. His subject will be "The Triangle in Asia: Russia, China and America." Dr. Shepard's background in the Orient includes a residence of 20 years in China, during six months of which he was personal advisor to Generalissimo Chiang Kai-Shek."

For the convention there will be no registration fee. The only charge will be that for the banquet, $3. This will include the lecture, which will be in the banquet hall.

While we are still under the reduced schedule there is much that can be accomplished at this convention. Unification of the profession is one subject that is due for a complete airing. It is doubtful if the membership at large is properly informed on this subject. The three Michigan chapters of the A.I.A., will join in this meeting, thus affording an opportunity to deal with state-wide matters.

It is expected that Mr. James R. Edmunds, Jr., F.A.I.A., of Baltimore, president of The American Institute of Architects, will be in attendance, and in addition Charles P. Cellarius, F.A.I.A., of Cincinnati, treasurer; Alexander C. Robinson, III, F.A.I.A., of Cleveland, secretary; Ralph O. Yenger, ofTerre haute, Ind., regional director, and Branson V. Gamber, F.A.I.A., of Detroit, state association director. These should form a "quorum" of the Institute Board. Besides the election of officers and directors, the Society's delegates to the A.I.A. Convention in Miami Beach, May 8-9-10, will be elected. Matters coming out of this state convention will form instructions to such Institute delegates.

Altogether, the outlook for this, the Society's 32nd Annual Convention, is most hopeful.

Mr. Close is heard over the Mutual Broadcasting System (WXYZ) every Tuesday night from 10:15 to 10:30, under the sponsorship of the National Economic Foundation. Concurrently he is making investigations of the building industry, has uncovered many large supplies of scarce building materials held by the Government. One cache of lumber is enough to build 6,000 small houses. He is a strong believer in private enterprise, that the building industry can solve its own problems if given the opportunity.—Editor's note

Before the outbreak of the Pacific War, Upton Close was known as the outstanding authority on Asia and the peoples of the Pacific Basin.

After graduation from college in the east, he went to China and served as an intelligence officer for the United States Government during the first World War. In the years following the war he became a familiar figure in the ups and downs of the Chinese Revolution. Flood, famine, revolution— he has known them all. He was editor of the Tientsin Star at the time it was owned by Hollington K. Tong. Advisor to the Chinese Student Revolutionaries in Peking in 1919, aide of Warlord Wu Pei-fu, and editor of the Peking Leader, oldest newspaper in the world.

Later Professor of Asiatic Culture at the University of Washington, Upton Close annually visited the Far East as a part of the University's faculty, headed form is part of his philosophy for the future era of peace. From the Pacific, where lie the world's greatest untouched resources, must come our real prosperity; on it must take place the great cultural interchange of the future.

Now, Upton Close has just finished a new general history of the world, Ladder of History, published by Macmillan, which is to be used as a high school text. Also, he is engaged in the writing and publishing of a weekly newsletter, "Closer-Ups", devoted to resembling trends from the continuous avalanche of events . . . especially trends affecting the safety of the nation and manner of life of our people.

THE TRUE STORY BEHIND THE PEN NAME "UPPON CLOSE"

Upton Close received his pen name through a telegrapher's error. His real name is Josef Washington Hall.

When he was in China some years ago, he sent a dispatch concluding with the words, "Up Close", meaning he was near the front line. The telegraph operator took these words for a signature and transcribed them accordingly. Hall's editor was so delighted with this absurdity that he decided to perpetuate this mistake. He added a suffix to Up and made a plausible name.
CHOOSING up sides for the neighborhood ball game is a critical moment for these captains. Poor Tommy will have to be satisfied with second choice—there just isn't room for one more. And there isn't always room for an extra electrical appliance in your home either—if your wiring is inadequate. Almost any of the older homes of today are likely to have too few electrical circuits to carry the many electrical appliances needed in today's living. The few dollars it costs to modernize your wiring system will bring unlimited convenience and comfort to you. And if you plan on building or buying your own home, be sure there are plenty of outlets, conveniently located and served by enough circuits, properly distributed. Adequate wiring insures good housekeeping, more comfortable living and more convenience for the family.

This is one of a series of advertisements prepared in cooperation with the Electrical Association of Detroit in the interest of insuring adequate wiring for every home in this area. Any house wired today should have enough properly spaced convenience outlets, enough circuits and large enough wire sizes for tomorrow's electrical living. It should accommodate the new frozen-food cabinets, electric ranges, automatic laundries, electric dishwashers and many other electrical appliances that will make living more pleasant and easier. When you build or remodel, be sure your home "measures up" in this important respect.
URING 1945 the architectural profession, in common with Americans of all trades and professions, underwent an extraordinary cycle of emotions—amazement at the potential effects of releasing the atom, joy at the conclusion of the war, happiness at the return of our sons, brothers, and friends from service in the armed forces, elation at the prospect of normal construction once more, and then, bafflement.

The post-war world arrived. The post turned out to be a tree, and the construction industry is up it.

Incidentally, I often ponder on that phrase, “the construction industry.” It is less of an industry than anything I can imagine, if by an industry you mean a closely integrated and well coordinated group of designer and producers. In actuality it is a sort of disorganized mass meeting, or a steeplechase in which each rider gets on his horse and rides off in all directions. No group in it pays any particular attention to any other group, and the general effect is that of a two-ended ship being steered from both ends by quartermasters neither of whom is on speaking terms with his opposite number. This description will pain persons who love to think otherwise. And it pains me to pain them, but facts are facts. Gradually we make progress. For instance, I represented your Society on the Governor’s Advisory Committee on the Construction Industry and there, for the first time in more than 30 years of attending construction industry meetings, I found representatives of the buildings trades unions sitting in with architects, engineers, contractors, trade societies and producers. Just how, in the past, we figured we could get any real coordination of construction without the help of the unions I cannot tell.

After VE-Day controls on building were hastily suspended. After a brief look at the result, they were just as hastily put back on again. Materials that had been hard to get during the war became even harder to get. The housing shortage became so acute that the old slogan of “Two cars in every garage” was amended to read “Two families in every garage.” Strikes broke out in all directions, causing disruption in family life, as an anonymous bard pointed out—

Two lovers were parted for weeks and weeks,

But not by father and mother—

---

The President’s Annual Report to the MICHIGAN SOCIETY OF ARCHITECTS

By Roger Allen

For she was on one picket line
And he was on another.

The Kansas City Star announced, with an oblique glance at a fellow Missourian, “Some people with very odd business records are now telling billion dollar corporations how to run their business.”

Now, having reduced you to tears, what? I wish I knew what. I know part of it, I think; I believe that every architect in the country with any reasonable degree of competence will be busy for some years. I believe that building prices have reached, not a new peak, but a new plateau. There may be some recessions, but it does not seem possible to me that we will ever return to the unit prices of 1937. The producers are making headway and the flow of materials gets faster; the unions are beginning to train apprentices again (did you know that the average age of bricklayers in the United States is 54 years?) and we’ll get out of the tangle we’re in. We always have. But why do we always have to do it the hard way?

The Michigan Society of Architects (I just remembered this was an annual report) is flourishing, you will be glad to hear. We got money, we got members, we got enthusiasm, we got brains. We got everything except time to go to meetings.

Like you, I am looking forward to 1947 with a combination of hope, fear, and unbridled amusement. It ought to be quite a thing.
BRYANT & DETWILER CO.

General Builders

2304 Penobscot Building

Detroit 26, Michigan
ANNUAL REPORTS OF OFFICERS AND COMMITTEES
FOR 1945-46

Michigan Society of Architects
Thirty-Second Annual Meeting

REPORT OF THE SECRETARY
L. Robert Blakeslee

The Board of Directors of the Michigan Society of Architects has met with President Roger Allen, during the 1945-1946 term, for six regular and one special meeting.

The first meeting was held at the Rackham Building, Detroit, on Thursday, March 22, 1945, immediately following the Thirty-first Annual Convention, as an organization meeting.

On Tuesday, May 15 a second meeting was held at the Rackham Building, Detroit, at which time the matter of the division of dues was discussed.

A special joint meeting was held with the Boards of the Detroit, Grand Rapids, and Saginaw Valley Chapters of The American Institute of Architects at the Rackham Building, Detroit, on Tuesday, October 16. This entire meeting was devoted to the Unification Program.

The third regular meeting followed immediately after this joint meeting, and President Allen announced, with regret, the death of A. Allen Stewart, of Lansing, Michigan, on October 15. There was further discussion on the question of unification. President Allen reported much success with letters he had written to non-resident architects, encouraging membership. Action was taken with the proper authorities to encourage continuation of the fine work done by Mr. Kenneth Black and Mr. Adrian Langius on the Michigan State Building Program.

On Wednesday, January 9, 1946, the fourth meeting was held at the Rackham Building, Detroit. A committee was appointed to correlate the work being done by the Veterans' Bureau for apprentice-training of draftsmen.

The meeting of February 15, 1946, was for the purpose of completing plans for the Thirty-Second Annual Convention.

The March meeting will be held at the Wardell-Sheraton Hotel preceding the Thirty-second Annual Convention, on March 15 for the purpose of closing the Society's books for the year.

During the year the Board gave financial assistance to the Committee on Michigan Architecture, and also to the Architects' Civic Design Group.

Your Secretary has been present at all of the board meetings, and he has recorded the minutes thereof.

It has been a great pleasure and privilege to have served the Michigan Society of Architects as secretary, and I close my term of office with best wishes for its continued success.

EXECUTIVE SECRETARY
Talmage C. Hughes

In the year just past membership in the Michigan Society of Architects has reached an all-time high of 547. It is composed of the corporate members of The American Institute of Architects (Detroit 412, Grand Rapids 52, Saginaw Valley 19) and 64 non-resident Michigan registrants.

When a Michigan architect joins the A.I.A. his membership in the M.S.A. is automatic and a portion of his chapter dues is forwarded to the Society's treasurer. Ninety per cent of the architects registered in Michigan, who reside, practice or are employed within the state are Institute members.

This is as far as unification has progressed but, in the opinion of many, Unification has been achieved. A point in question is, should the Society continue in its present form, or should the three chapters surrender their charters and become branches of a state-wide chapter—the M.S.A.? None of the chapters has favored surrendering its charter. More recently a chapter of the Institute, the M.S.A. would have to surrender its status as a Michigan non-profit corporation, unless this obstacle could be overcome.

The Weekly Bulletin of the Society, now in its twentieth year, continues to serve the profession in Michigan and is mailed to many others throughout the country. During 1945 its second class mailing permit was surrendered in order that one issue per month might be mailed (third class) to all architects in the United States, under sponsorship of the National Council of Architectural Registration Boards. When paper restrictions permitted the National mailing was continued under the new name, National Architect, and the Weekly Bulletin's second-class permit was reinstated.

The placement service has had many requests from architects' offices but there have been few draftsmen available. The Society's plan to aid in veterans' training and apprenticeship should in time, bear fruit and prove helpful to both architects and draftsmen.

COMMITTEE ON MEMBERSHIP
Geo. M. McConkey

The Membership Committee of the Society is fortunate on two counts: first, of all Michigan registered architects who live in the state, approximately 90% have joined the A.I.A. through one of the three State Chapters and thus automatically are members of the State Society without any effort on the part of your Membership Committee. Second, there are about 180 architects registered in Michigan who are residents outside the state, and to this group our most efficient President, Allen sent out a letter recently with a special humorous appeal and received the checks for the 1946 dues from 64 in this group. This obviously leaves little more for your Society Membership Committee than to gather the statistics for the year and possibly an occasional prodding of the A.I.A. Membership Committee to get that other 10%. Or, as an alternate, the Society can create and build up an associate membership list taken from among those draftsmen who have partially completed their registration requirements and signify their intention of completing their registration.

LEGISLATIVE COMMITTEE
Kenneth C. Black

The Legislative Committee of the Society did not hold any meetings during the past year for the reason that A.P.E.L.S.C.O.R. decided that the 1945 session of the Legislature was not an opportune time to present amendments to the registration law. During this session of the Legislature a bill was introduced by others, however, which would have resulted in a consolidation of the general office of the Registration Board with the general offices of other professional licensing agencies in the State. Representatives of the Society attended hearings on this bill before committees of the State Senate. Many amendments to the original bill were proposed by various interested parties, with the result that the text became so complicated and unworkable that the bill was never reported out of committee.

In Memoriam
The following members of the Michigan Society of Architects have passed on since our last annual meeting:

Frank C. Baldwin
Edgar John Clapp
Paul P. Cret
Raymond E. Eiffer
William A. Esslinger
Louis Kahn
J. Campbell Morrison
P. M. O'Meara
Herman W. Pipp
Alfred J. Seeler
A. Alan Stewart

MARCH 15, 1946
DO YOU HAVE SPECIFICATIONS TODAY FOR THE ROOFS OF TOMORROW?

Architects and Engineers are generally agreed that the trend is more and more toward making roofs functional—toward getting the greatest possible use from this valuable area. Most of these recent roof developments can be divided into the three classes pictured below, and Ruberoid has worked out sound, practical, tested specifications for each.

PROMENADE ROOFS

Sun-bathed play areas for schools, outdoor decks for convalescents in hospitals, recreational space for office workers. Ruberoid gives you a simple, practical, efficient method of installing clay tile without the mess, weight and expense of a mortar bed. The entire application is confined to one trade, no divided responsibility.

HEAVY TRAFFIC ROOFS

These are tough, husky concrete surfaced roofs on which factory trucks may be used constantly, on which oil drums may be stored, and where any kind of activity that wouldn't damage a concrete sidewalk, may take place year after year. Ruberoid specifications give complete information, how to pour the slab and what to put under it. The cost is not excessive.

GARDEN ROOFS

Flowers, grass, shrubs, even trees, are now growing on many apartment roofs—real gardens for the enjoyment of city dwellers. These are made possible by effective Ruberoid design of drainage and flashings. The cost is but little greater than conventional promenade tile.

RUBEROID

ASPHALT and ASBESTOS BUILDING MATERIALS

The RUBEROID Co., Executive Offices: 500 Fifth Avenue, New York 18, N.Y.

307 No. Michigan Avenue, Chicago 1, Ill.    2937 Book Building, Detroit 26, Mich.
EIGHTEENTH ANNUAL REPORT ARCHITECTS'- BUILDERS' AND TRADERS' GOLF COMMITTEE

William F. Seeley, Chairman

There probably ought to be a law prohibiting people from writing about something that they know nothing about. That was the position I found myself in when I started to write this report. For that reason this report differs from the others in that it simply records the facts along with a few words about what happened, as they were told to me.

It was my misfortune to have missed all but one outing and if any of you think it was easy to stay away—well then, gentlemen, you have not the slightest conception of what these outings have meant to me down through the past eighteen years.

To be frank, the season was not a good one. However when, considered in terms of good fellowship and friendly relations, I am given to understand that it was not surpassed by any of the others. There was a good reason why the attendance was down—a great many of you were down in spirit—you had someone over there—the war had to be won and you were busy doing your part. As to the weather it seems wars have a lot to do with that too, and we are going to let it go at that. We offer no apologies for the bad but take all the credit for the good.

This was the first year when all of the outings were held at one club. The Birmingham Golf Club has been very kind to us—they have taken us in when other clubs preferred not to entertain outside groups. To them we give our thanks.

The first outing was to be held on May 22nd, but was cancelled by your secretary on account of the serious illness of Mrs. Seeley, but it so happened that the spring rains had almost duplicated those of 1943 and play would have been impossible anyway.

Second: TUESDAY, JUNE 19—WEATHER, FAIR AND WARM. Perfect Day. 100 played golf and 150 had dinner. This was a record dinner attendance.

Mr. E. A. Baumgarth, Realty Editor of the Detroit News, was our guest. With Walter Pratt at the piano, John Kinsella gave out with one of his favorite numbers.

Third: TUESDAY, JULY 17th—WEATHER, FAIR AND WARM. Perfect Day. 91 played golf and 135 had dinner. Architect Claire Ditchy president, Detroit Chapter A.I.A., was our guest on this occasion. Walter Pratt at the piano led the singing of America, with solos by Messrs. Johnston and Richard. Piano selections by Mr. Stannard were also enjoyed, Huron Cement Co. donated a gift certificate from Rayl's.

Fourth: TUESDAY, AUGUST 14th—WEATHER, CLOUDY AND WARM. Showers p.m., 51 played golf and 72 had dinner. E. J. Brunner gave a short talk and presented the prizes. Peace with Japan was announced at seven p.m. and many left for their homes.

John Kinsella, with Walter Pratt at the Piano, led the gang in singing God Bless America.

Fifth: TUESDAY, SEPTEMBER 18th—WEATHER, RAIN A. M. AND MISTY. P. M. Just 19 played golf and 43 had dinner. Yours truly presided at the dinner—the only one I was able to attend—while Ed Brunner and the Legislative Committee were at Lansing. Ed called in from there and said they were saving the Industry, God Bless America was well sung, with Walter Pratt again at the key board.

Sixth: TUESDAY, OCTOBER 16th—WEATHER, WARM AND SUNNY, perfect day, 44 played golf and 93 had dinner. It was gratifying to have so many come out for dinner for it was again the occasion for celebrating the birthday of your chairman—Past-President, Jess Stoddard. This was his 74th, and we regret to say, due to Jess's throat affliction, he was unable to respond in his usual manner to the fine tribute paid him by our Secretary, E. J. Brunner. We sincerely hope that by the time Jess' 75th anniversary rolls around he will be again in perfect health and able to tell you fellows, as he has done so many times in the past, how he loves you all and enjoys your fellowship.

Cup Winners: June, Al Aldinger; July, Roy Picket; August, Chas. Sestok; September, Cap. Isler; October, G. W. Scott.


These averages are the lowest obtained in a good many years. The reason—well, your guess is just as good as mine.

Total cash received was $2,124.56. To the amount received we added the balance left over from last season, the sum of $31.90, which gives us a total of $2,152.35, from which we deduct miscellaneous expenses, Goodfellows Fund and flowers was the total sum of $124.36. To the amount received we add the balance left over from last season, the sum of $31.90, which gives us a total $2,124.35, from which we deduce the total amount paid—result, a net profit of $27.79 for the season. There is, however, a cash balance on hand of $62.54, part of which is to cover prize certificates still outstanding, and if these are not cashed, the amount they call for will constitute a nucleus to start the 1946 season.

The Award of Merit goes to the following: to your President and also your Secretary-Manager, E. J. Brunner, for his constant and enthusiastic support, to John McCarrigle for taking over some of the meetings in my absence and doing a swell job, to Miss Wilma Page for her faithful and careful record keeping (and the great job she always does at the Club), to Miss Jane Cooper and Mrs. Cora Martin, who do the under-cover work that is so essential to the success of these meetings, to all of you, who by your presence, make these outings what they are, and to Walter Pratt and John Kinsella and all those who assisted them in furnishing a fine song and a cheerful note.

As a matter of record and as a mark of respect, we record the passing of Jim Hemstreet, Jim died on August 21st and was buried August 24th. Jim, up to the time of his death, confidently expected to be out to one or two of the outings. We want to thank all of you who were able to attend the funeral service.

1946: We are planning to carry on next season and we sincerely hope that it will bring you much pleasure and satisfaction.

Thanks for the privilege of serving you, not only for last year, but for all of the seventeen years that preceded it.

UNIFICATION

The unification program of the American Institute of Architects is making considerable progress all over the country. As a part of that activity in Michigan, the three A.I.A. Chapters and the Michigan Society of Architects have been giving considerable consideration and attention to this subject.

A joint meeting of the Boards of Directors of the above mentioned organizations was held on Oct. 16, 1945, for the purpose of discussing the situation in this state, and to frame a policy and program.

Mr. Roger Allen, President of the Michigan Society of Architects was requested to appoint a special committee to draw up a plan for unification in this state. After completion and submission of such a plan, it will be presented to the several organizations for ratification.

This committee has been appointed, and it is expected that a report will be prepared and submitted within the very near future. The new committee consists of A. N. Langius, Joseph C. Goddeyne and Malcolm R. Stirtin.

PUBLIC RELATIONS

Ralph B. Herrick, Chairman

I believe that individually we all have in our private practices contributed something to this effort.

The Grand Rapids A.I.A. Chapter recently appointed a member in each city of its area to act in such a capacity that news of meetings would get to the papers. This past year your chairman represented the architects locally in working with builders and material people in forming the Lansing Builders and Traders Exchange.
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

SHIPMENTS OF HEATING EQUIPMENT IMPROVING

Upward Trend Points to Quicker Service

Reports are coming in of improved shipments of heating equipment and more heating equipment accessories available.

This is a hopeful sign. If the condition continues to improve, we will be in a better position to render quicker service. In the meantime we will continue to produce and ship U. S. and Capitol Radiator and Pacific Steel heating equipment to the best of our ability.

UNITED STATES RADIATOR CORPORATION AND PACIFIC STEEL BOILER DIVISION

Member the Institute of Boiler and Radiator Manufacturers
Member of Steel Heating Boiler Institute

WEEKLY BULLETIN
APELS COR REPRESENTATIVE
Kenneth C. Black

During the past year a sub-committee of Architects, Professional Engineers and Land Surveyors Committee on Registration, under the chairmanship of Mr. Seeley, has prepared extensive amendments to the architects and engineers registration law. Architect members of this sub-committee were Professor Emil Lorch, Harry L. Mead, and your representative.

The report of this special committee is now ready for presentation to a full meeting of A.P.E.L.S.C.O.R. It is anticipated that this meeting will take place before the 1946 convention of the Michigan Society of Architects so that the proposed amendments can be placed upon the convention agenda for discussion and approval.

If the amendments are approved by the various member societies of A.P.E.L.S.C.O.R., it is the intention to introduce them in the 1947 session of the Legislature.

HOW TO PLAN YOUR NEW HOME
A Guide to Intelligent Building Prepared in Cooperation with Committee on Public Information of The American Institute of Architects
Published and Distributed by Edwards & Co., Norwalk, Conn.

YOU START THE BIG ADVENTURE
So you're going to build a house! What a wonderful feeling when that decision is finally made! You have always hoped that some day your family could live in a house you had planned for yourselves—combining all the best points of houses you have been in or read about. This house of yours—a dream would have comfort, convenience, room for all kinds of real living, places for everything, and above all an atmosphere that said it was yours.

No doubt you have a drawer full of clippings collected through the years: a neat trick for magazine storage, a unique kitchen plan, a sketch of an especially good-looking fireplace or bay window. In your mental picture this house of yours—so particularly good-looking fireplace or bay window, snow blanketing the roof. In your mental picture this house is badly set on the lot, so that the necessary deep dirt "fill" has killed your furniture won't go up, roof flashings that leak. These all may easily be avoided with an expert's help. So, in all sincerity, we suggest that before you go a step further on this big adventure you call in the man who knows how to turn dreams into houses—the architect.

You choose your architect and from then on he serves you, plans for you, protects your interests, watches each stage of the building progress. His years of professional training and his specialized experience are put to work to see that you get the house you want, plus the special safeguards he knows about and the many little extras he will suggest as plans develop.

In these pages we shall tell you what you can expect your architect to do for you and how you two can best work together, so that you may know the satisfaction of saying, "There's where I live. We built it ourselves—it's just what we've always wanted."

FITTING THE HOUSE TO THE LOT
It is ideal if your architect can help you pick your building site. He knows about such details as utilities: gas,
Complete Kitchen In One Package

Yes, Sir!

Stove, oven, sink, refrigerator and unit, work table, slicing board, storage — everything! All assembled into one package and comes in one crate.

That's Parsons Pureaire Kitchen.

Original too, for it whisks away vapors, odors and surplus heat, leaving apartment air sweet and clean. All patented and exclusive!

Architects revel in Parsons condensation — a whole kitchen in 8 sq. ft. leaves new openings for clever planning.

Our new model, now in production at our Traverse City plants, has toe space and other improvements. Write!

THE PARSONS COMPANY
Detroit and Traverse City
MARCH 15, 1946

PLANNING AND DESIGN

The physical appearance of your house—the material it’s made of, the actual layout of the rooms, even the kind of exterior finish you will consider—will be worked out with you. And, of course, this is the architect’s field. He will apply his technical skill. For instance, in choosing the exterior finish you will consider many factors—the general character of the neighborhood, the prevailing winds, the sun’s angle and intensity, the fact that you have a house that is much larger than the neighborhood is improving or deteriorating—time frequently causes strange ups and downs! But you may not have thought of inquiring whether there will be further street improvements and whether prevailing winds bring industrial dirt or haze. A house that is much larger than the lot and the surroundings. Usually the lot is bought before an architect is called in. Sometimes there is a long wait before you are ready to build. (If this is the case, you might well use this time to get some carefully chosen trees planted.)

When the architect is selected, he will go over the lot, very carefully, exploring all the possibilities, before he begins to work with paper and pencil. In this way he can be sure that the sun pours in the rooms you intend to live in most, that the walls are long and pleasant views are cut to fullest use. And time to think of future privacy, of the proper place for your porch, your outdoor fireplace, flower garden and the area that can best be spared for driveway and clothes-yard. (Having garage doors open on the front or side rather than from the back uses less space but isn’t always as attractive.) Now, comes the time to consider the all-important problem of the exterior style of the house, in relation to the lot and the surroundings.

Suddenly, in visualizing these, your house begins to come alive! You stand on a bit of firm earth and tell yourself. “Here’s where I’ll sit in the evening and listen to the radio—and over there’s the perfect sunny spot for a flower border!”

FITTING YOUR HOUSE TO YOUR FAMILY

One of the many reasons for choosing your architect with care is that you are bound to become good friends during these months of planning together. He should not only inspire respect for his professional ability, but you must feel that you want to take him into your confidence. Talk to him freely—let him know how you live, what kind of parties you give, whether you are home or away in the summer, what are your hobbies and interests. If there are older children, who may soon be away at school or in their own homes, you may want to be able to shut off part of the house, leaving a compact “apartment,” or if the family is large, or if older people come to live with you, the architect should know about it and either plan for room now, or allow for future additions.

Above all, be frank about your finances. A house that is much larger than you need or more elaborate than suits your kind of life, is wasteful and expensive and will be a future burden. Tell your architect what you want to spend before you start.

Knowing about you, he plans a house that is yours—a recessed cupboard, painted robin’s egg blue, another collection of old glass, a small room where father can keep his books and read in slippered comfort, a double-decker bunk for Bob who always has a pal around, extra big closets for Sis, wallpapered like her room, with a high red for her evening dresses and shelves to hold her dozens of sweaters.

The fact that you have a house that is yours, is the greatest single argument using “free” or stock plans, which may tempt you as a possible saving. Actually, you probably will cost you more in the end, and may bring endless frustration. For instance, you may find, when complete, that the only place for your refrigerator is too small, that there’s no wall space in the living room for the piano, and the bedrooms weren’t planned for twin beds.

Making even small changes in stock plans, to try to bring them closer to your needs, can make them structurally unsound. And remember, that plan was drawn by someone who had never seen you, or met you and your family. In addition, such cut-and-dried affairs are often devoid of good taste. They are not fair to you, for people are bound to think, “That’s the house they built. I should think they could have done better than that!”

No two architect-designed houses will be alike, as no two families are alike. The final plans will be arrived at without haste, more in the spirit of talk in which you and your architect come together—you with specific ideas of what you want; he with judgment and technical skill. For instance, in choosing the exterior finish you will consider many factors—the general character of the neighborhood, the prevailing winds, the sun’s angle and intensity, upkeep, relationship to interior design.

You will make compromises. Yes, you must face the fact that you can’t have everything in one house—like the man who wants a snug New England “salt box”, but also adores a fine two-story studio living room, with a beamed ceiling!

Your architect can perform miracles. He’ll give you wall space for your large pieces of furniture, he’ll be your “traffic cop” to save you hundreds of steps a day, he’ll see to it that the rooms bear a proper relationship to each other. He’ll avoid fads. Styles in house design come, evolve, not of revolution, just as in automobiles and other familiar articles. Materials will gradually be adapted to new uses, labor-saving devices will be invented and improved, but such small additions can bring endless convenience later on.

It’s traditional that the man of the house longs for a perfect place to keep his tools, while the woman grows starry-eyed over the prospect of enough closets! Well-designed and properly located closets are not a luxury—they are an essential to up-to-date housekeeping—closets for linens, cleaning equipment (big enough for the vacuum cleaner), for bags, summer and winter storage, card tables, games and sports equipment, bins, ovens in the bathrooms!

The last ten years have seen amazing improvements in such important fields as insulation, heating, air-conditioning, sound-proofing, prefabrication. These may prove to be overshadowed by still newer advances.

No layman could possibly keep up with all these developments. Even if he could, he would not have the training to judge their value, to know which was just another fad and which a real step adding to the convenience of daily living. This is the architect’s field. He will have followed the best of the experiments and be able to advise on them as they apply to your house.

Improvement in homes is a process of evolution, not of revolution, just as in automobiles and other familiar articles. Materials will gradually be adapted to new uses, labor-saving devices will be invented and improved, but don’t wait for the “miracle house”. It may be a long time coming.

ORIGINAL COST AND UPKEEP

If your house is to continue to bring you pleasure through the years, it should not be a financial burden. From the beginning you should know what the monthly carrying charge will be. This is the yearly cost—taxes, mortgage payments—pro-rated over twelve months like rent. You should also have a good idea of how expensive your house will be to maintain. A house of stone or stained shingles, for instance, costs less for exterior upkeep than one which must be completely painted every few years.

There is no limit to the original amount one can spend on a house, and if every single item you think would
W. E. WOOD COMPANY
DETROIT, MICHIGAN

Building Construction

THIRTY-SEVEN YEARS
OUTSTANDING CONSTRUCTION SERVICE

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

MEMBERS
DETROIT CHAPTER
ASSOCIATED GENERAL CONTRACTORS OF AMERICA, INC.
be nice is included in a moderate-sized house, the expense will soon be top-heavy.

The architect must weigh values and advise you. Electric features, as an example, cost less during construction than if added afterwards. Insulation and storm windows are items that add to the original cost, but which actually pay for themselves in a comparatively short time by lowering heating costs—and which wonderful comfort they save.

Good quality, in this as in every long-time purchase, means good service. Better wallpaper will not need to be replaced as soon, top-grade linoleum will wear far longer. On the other hand you may decide that the simplest brass hardware is less expensive than some—suited your taste. If you use wide board flooring you may actually prefer the second grade which has more variations in color and grain. The first coat of ceiling plaster, slightly rough, can be left without a finishing coat in certain styles of house. These are legitimate economies.

If some long-dreamed-of feature appeals especially to you, (say a huge window to give an unbroken view and bring the outdoors inside), then it will be worth the added cost. But usually there will be a reason of take-it-or-leave-it the architect's judgment will save you money and regrets. He knows where costs can safely be cut without harming quality, and where only the best is worth buying.

RESALE VALUE

Whether or not business moves or family changes will ever put your house on the market, it is a comfortable feeling to know that it has a sound resale value which bears a reasonable relation to what it cost you.

Here the counsel of your architect is invaluable, because he knows from experience what has been the house people want. He will see that you have a home of outstanding individuality, yet one which does not stray so far from average tastes and requirements that it becomes unsaleable.

He will avoid cramping layouts. One couple want to have the baby's room connect with theirs. Their architect saw to it that there was a way to enter the smaller bedroom besides through the larger one—otherwise the house might be considered by a prospective buyer to have three usable bedrooms instead of four, an easily fixable difference.

On the other hand, the value of your house can be vastly increased by numerous small architect-designed details that say, "This was built specially; it's not just another house-for-sale."

Another duty of the architect which will affect the value of your house is his watchful supervision of the job while it is under construction. Is the builder using the quality of piping specified? Will the chimney draw? Hundreds of questions which arise during building need the watchful eye of an expert, and a quick, correct decision may mean a real saving money.

TECHNICAL DETAILS

Another quite distinct field in which you can expect your architect to protect your interests is in the related matters of finance and law. It is his business to design a building that will be approved by loan agencies. He understands the law as it pertains to building contracts and has studied the state and local codes which must be complied with, as well as labor laws, zoning ordinances, fire and fire underwriters' requirements and the rules of utility companies, such as gas, water, sewer, electricity. He will advise you about insurance.

The reason for requiring architects to register under state laws is to protect you. Before he may register as an architect, a man must have gone through a period of general education, technical training, practical experience and professional examination. This is your assurance that the buildings he plans and supervises will be safe, of correct materials and will have architectural merit.

The fact that loan companies are more interested in the architect-designed houses, and rate them higher financially, is outside proof of the value of the architect's service.

WORKING WITH YOUR ARCHITECT

Very well then, for you who want a house that is a home in every sense of the word—the architect is your man. He can prevent such common annoyances as too small closets, noisy plumbing, inaccessible light switches, doors that open the wrong way. He can also see that you have those priceless intangibles—character, good taste, and suitability.

Select your architect with care. If possible, visit houses he has designed and talk to others he has served, before you make your final choice. In other words, consider his reputation and past performances, just as you would in the case of a doctor or lawyer.

We have mentioned many ways that the architect will be invaluable to you. Let us now review the stages of his work.

After he has been appointed, your architect will begin those informal talks during which he finds out your specific requirements, needs and ideas, and considers the type of house and style of design most suitable. He will visit the lot you have chosen, or together you will make the selection.

These visits and talks will form the basis of preliminary sketches. The architect is visual-minded by training; may be you are not. These sketches will help you discover what you really want and definite plans will now begin to take exciting form. Be sure to allow sufficient time and study at this stage. Of course you can always wait to see that first sparse of dirt comes out of the ground—but don't rush this important study—and conference period. Obviously, changes made later on will be costly.

When you have approved pencil sketches, your architect starts working

drawings with detailed dimensions and full information, at the same time carrying along the outline for written specifications and selection of materials.

After these detailed plans and specifications are completed and approved the next step is competitive bidding by a list of selected contractors. Bids are received and discussed with the architect, who will recommend awarding the contract to the lowest responsible bidder. Bids may vary as much as fifteen to twenty per cent.

Now the architect prepares large-scale and full-size details of any special features—mantles, porches, door treatments, kitchen cabinets. These are used by the contractor and the company doing his millwork.

A MULTITUDE OF DETAILS

The drawing board of the architect may now be set aside, but he is far from finished. From the time the mason sets to work on the basement, until the last bill is approved and paid, he represents your interests. He will supervise workmen and mechanics, inspect and check materials and equipment. He schedules and follows progress, in order that the house may be done on time. Since he must be an unbiased judge, the architect will have no financial interest in the job, other than the regular fee paid him by the owner. This is of the utmost importance and is a major reason for having an architect at all, rather than working directly with a building contractor in the belief that you may save money.

When the contractor requests partial payment, the architect checks the amount and quality of work completed, to see what sum is due. Fifteen per cent is generally held back until final payment, to insure satisfactory completion. Waivers of lien and bond warranties are required at the time of payment. The architect keeps accurate accounts and lets the owner know amounts paid, credits and extras and the amount of balance due.

This, then, is the working formulas of an architect by which better homes can be built at lower cost: competitive bidding based on properly prepared plans, carefully supervised at every stage.

It is easy to see that the architect can save the owner much money on his fee—in designing a beautiful house, in seeing that it is properly built, in protecting legal and financial interests, in saving endless regrets.

The architect does not bid on the job. He is paid a fee based on the cost of the house. If you have been thinking of building a moderate-priced home, you may have felt you couldn't afford an architect. It is nearer the truth to say that, unless you have money to waste, you can't afford to build without one. His service is a necessity, not a luxury.

If this little book has shown you the value of making this major investment on a sound basis, it has achieved its purpose. Good luck and happiness in your new home!
Taylor & Gaskin, Inc.
Detroit, Mich.

Engineers, Fabricators and Erectors
of
STRUCTURAL & MISCELLANEOUS STEEL
MATERIAL HANDLING & FACTORY
EQUIPMENT

PLAZA 2350
3105 BEAUFAIT AVE.
PORTFOLIO OF WORK FROM THE OFFICE OF ALBERT KAHN ASSOCIATED ARCHITECTS AND ENGINEERS, INC.
Leadership

Just as Christopher Columbus sought new horizons and led the way to undreamed-of comforts, so industrial leaders today are pioneering new materials and new methods that will bring better living to all America.

U.S.G has long been the leader in developing better, safer building materials. New products are constantly coming from the U.S.G laboratory. Quality is guarded at every step of manufacture by a rigid system of control. And, as improvements are made in existing products, they are passed on to your customers.

So, choose the leader... depend on U.S.G.

United States Gypsum
For Building • For Industry
Gypsum • Lime • Steel • Insulation • Roofing • Paint
R. E. LEGGETTE CO.
Michigan Distributors and Contractors

for

CELOTEX ACOUSTICAL PRODUCTS

since

1933

Reliable Acoustical Advice Based on Experience

MARTIN-PARRY Flushtype STEEL Partitions

Wood Grained or Color Finishes

1771 W. FORT ST. DETROIT LA. 8330

TRI-PART MANUFACTURING COMPANY

FLUORESCENT LIGHTING

INDUSTRIAL

AND

COMMERCIAL

SPECIAL LIGHTING

FOR

SCHOOLS — HOSPITALS — CHURCHES — THEATRES

STORES — DISPLAY ROOMS — HOMES

ENGINEERING SERVICE

934 Plum St. Detroit 1, Michigan

RANDOLPH 8977-8-9
Ford Motor Company, Atlanta, Georgia

General Motors Corporation, Buick-Oldsmobile-Pontiac Division, Wilmington, Delaware

New Departure Division, General Motors Corporation, Sandusky, Ohio

ALBERT KAHN ASSOCIATED ARCHITECTS AND ENGINEERS, INC.

MARCH 15, 1946
RADIANT PANEL HEATING provides sun like warmth all Winter long with no visible means of heating in any room. With Radiant Panel Heating, there is nothing in the room to get in the way. Wall spaces are unbroken, furniture and rugs are placed where convenient and taste require, not as a heating system dictates.

WHEN IN NEED OF INFORMATION ABOUT RADIANT PANEL HEATING, OUR HEATING DEPARTMENT WILL BE AT YOUR SERVICE.

You can rely on our Plumbing Fixture Department for prompt service, and as always, the Finest Plumbing Fixtures made.

Nelson Company
Main Office and Display Rooms at 2604 Fourth Avenue

Royal Oak  Ann Arbor  Grosse Pointe
Congoleum Nairn Corporation, Kearney, New Jersey
(TWO VIEWS)
Architecture, having linked the Past with the Present, will be called upon to link the Present with the Future.
FLINTKOTE INSULATING WOOL
A NEW MEMBER OF A FAMOUS LINE

Flintkote takes pride in announcing the addition of Flintkote Insulating Wool to its long and well-established line of quality building materials. Flintkote Insulating Wool, a "Fiberglas® Product", already enjoys wide consumer acceptance.

Flintkote Insulating Wool not only has great thermal insulating value, but in addition its almost microscopic glass fibres make it fire-retarding and incapable of absorbing moisture or odors. It cannot rust, rot, mildew or sustain vermin.

Available in batts and roll blankets, junior batts, and in shredded form suitable for pouring between rafters, Flintkote Insulating Wool is adaptable to both new and existing structures.

We know that our many friends in the Building Industry will welcome this new product, which is available for prompt delivery.

*Fiberglas is the trade name (Reg. U. S. Pat. Off.) of glass manufactured in any fiber or filament form by Owens-Corning Fiberglas Corporation.

Geared for Post-War Construction

Backed by 15 years of Building Construction Experience
Backed by 15 years of Sales and Construction Experience
Backed by 15 Nationally Known Top Flight Manufacturers

HOPE'S METAL WINDOWS
POMEROY D. H. WINDOWS
BAYLEY IND. WINDOWS
GENERAL BRONZE WINDOWS
GENERAL BRONZE ARCT. METAL
GENERAL BRONZE REV. DOORS
NEW CASTLE MODERNFOLD DOORS
NELSON CURTAIN CUBICLES
POREX ROOF DECKS
POREX ACOUSTICAL CEILINGS

KALMAN FLOORS
HASLETT ALUM. CHUTES
HASLETT FIRE ESC. CHUTES
AIROLITE LOUVERS
RAY PROOF X-RAY PROTECTION
NORTHWESTERN TERRA COTTA
JAMESTOWN HOLLOW METAL WORK
JAMESTOWN HOSPITAL CASE WORK
JAMESTOWN KITCHEN CABINETS
JAMESTOWN STAINLESS S. SINKS

GRANUX CAST GRANITE

ROBBIE ROBINSON COMPANY

"ROBBIE" ROBINSON, SR. "DON" JOHNSON "ROBBIE" ROBINSON, JR.

Sales and Construction Engineers

226 MURPHY BUILDING
CADILLAC 2047

DETROIT 26, MICH.
GMC Truck and Coach Division, General Motors Corporation, Pontiac, Michigan

General Motors Corporation, Buick-Oldsmobile-Pontiac Division, Framingham, Massachusetts

ALBERT KAHN ASSOCIATED ARCHITECTS AND ENGINEERS, INC.

MARCH 15, 1946
The Scientific Utilization of the Energy in Color
To Promote Efficiency in Industry, Schools, Office Buildings, Hospitals, Homes.

Write or Telephone For FREE Copy of Book on COLOR DYNAMICS

PITTSBURGH PLATE GLASS COMPANY
DETROIT - GRAND RAPIDS - SAGINAW
ANN ARBOR - JACKSON - MUSKEGON

Superior
Sash and Screen Company
20460 John R St.
Townsend 8-5466
DETOIT, MICHIGAN

Ingersoll
KoolShade
Sun Screen

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
Chevrolet Motor Division, General Motors Corporation, Los Angeles, California
[TWO VIEWS]
MURRAY W. SALES & CO.
Wholesale
PLUMBING and HEATING SUPPLIES

DETROIT
Pontiac — Wyandotte — Flint

BUILDING ACCESSORIES
COMPANY
155 WEST CONGRESS STREET
DETROIT 26, MICHIGAN

GEORGE C. COSSABOOM
ALEX. W. MOORE

COLD STORAGE DOORS
Jamison Cold Storage Door Co., Hagerstown, Md.

TOILET PARTITIONS — UNIT SHOWERS
The Mills Company, Cleveland, Ohio

LOCKERS — SHELVING — CABINETS
Interior Steel Equipment Co., Cleveland, Ohio

HOLLOW METAL DOORS AND TRIM
Metal Door and Trim Division, LaPorte, Indiana

FOLDING PARTITIONS — FOLDING BLEACHERS
Horn Manufacturing Co., Fort Dodge, Iowa

TERRA COTTA — HAND MADE AND MACHINE MADE
American Terra Cotta Corp., Chicago, Illinois

X-RAY BUILDING SPECIALTIES
Bar Ray Products, Inc., Brooklyn, N. Y.

LABORATORY EQUIPMENT
Hamilton Mfg. Co., Two Rivers, Wis.
Buick-Oldsmobile-Pontiac Division, General Motors Corporation, Atlanta, Georgia

Ford Motor Company, Metuchen, New Jersey
FEATURING

some recent and projected work

from the office of

HARLEY, ELLINGTON & DAY

Architects and Engineers

Detroit, Michigan
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.

ASSOCIATED GENERAL CONTRACTORS

Skill, Integrity
and Responsibility
Garage for the Great Lakes Grey Hound Lines, Inc., Detroit, Michigan

Building for Petzold Motor Sales, Inc., Detroit, Michigan

HARLEY, ELLINGTON AND DAY, ARCHITECTS AND ENGINEERS, DETROIT, MICHIGAN

MARCH 15, 1946
Method of insulating Mahon Steel Deck Side-walls against heat, cold and noise.

for ROOFS and SIDEWALLS

... lends itself to Architectural Treatment in Exterior Design

Every day, Steel Deck is being put to more and more uses by modern Architects in the construction of industrial and commercial buildings... its versatility in application and the fact that it can be insulated to any desired degree, make it universally adaptable to any type of structure. In exterior sidewall construction, Mahon Steel Deck lends itself admirably to modern architectural treatment in overall design... plates can be rolled to exact length up to 55 feet to provide continuous unbroken surface. See Sweet's, or call in a Mahon engineer for complete information.

Address Correspondence to STEEL DECK DIVISION

THE R. C. MAHON COMPANY
HOME OFFICE AND PLANT, Detroit 11, Mich., WESTERN SALES DIVISION, Chicago 4, Ill.

Manufacturers of Steel Deck for Roofs, Sidewalls, Ceilings, Floor Forms, Partitions and Doors.
Also, Rolling Steel Doors, Grilles, and Underwriters' Labeled Rolling Steel Fire Shutters.

Typical Exterior, Mahon Steel Deck Side-wall Construction. Pilaster effect is obtained by reversing Deck Plates so that ribs face in, as opposed to remainder of wall where ribs face out.
Mausoleum for Fort Lincoln Cemetery, Washington, D. C.
AUSTIN
THE
PAINTER

Always on the Job
For Better Service Anywhere in Michigan

Painters -- Decorators

INDUSTRIAL
COMMERCIAL
RESIDENTIAL

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

--- Offices ---

DETROIT
4628 St. Aubin

FLINT
1532 North Saginaw Street
REMODELING OF FORT STREET UNION DEPOT, DETROIT, MICHIGAN

The view above shows the new waiting room;
that below, the concourse
22 Different Truscon Steel Products to Meet Almost Every Airport Construction Need

Truscon Canopy Doors and Complete Buildings for Private Plane Hangars

Truscon Vertical Lift Canopy Doors

Truscon Projected Windows

Truscon Double-Hung Windows

TRUSCON HEADQUARTERS FOR STEEL BUILDING PRODUCTS AND ENGINEERING SERVICE

For Airport Construction
Truscon is the only single source from which you can secure so many major steel building necessities . . . together with such capable, experienced engineering assistance.

All Truscon Steel Company products are "made under one roof", under the same capable supervision. When you deal with Truscon, you concentrate at one point all the responsibility for the value and performance of the materials you specify. Your clients are assured of better, faster service; they save time and money; they can depend upon quick attention to additional requirements as they arise.

Truscon engineers are especially trained to help solve airport design problems. Their experience is broad and varied—it will be of benefit to you in many ways.

Take advantage of this important, valuable combination of services, to help you attain high standards of efficiency in the design and operation of your structures.

TRUSCON STEEL COMPANY • YOUNGSTOWN 1, OHIO
Subsidiary of Republic Steel Corporation.
COUSE & WESTPHAL
General Contractors

12740 LYNDON AVENUE — DETROIT 27 — HOGARTH 3525

COLORFUL BRICK FOR PERMANENCE
TILE FOR BEAUTY AND ECONOMY

BELDEN-STARK BRICK CO.
14305 LIVERNOIS AVE. HOGARTH 1331-1332-1333 DETROIT 4, MICHIGAN
General Service Building, University of Michigan
Ann Arbor, Michigan

HARLEY, ELLINGTON AND DAY, ARCHITECTS AND ENGINEERS, DETROIT, MICHIGAN

MARCH 15, 1946
TURNER-BROOKS, INC.

Floor Covering Contractors

and

Acoustical Engineers

9910 Dexter Blvd., at Boston

DETROIT, MICHIGAN
Custodial Building, Coldwater State Home and Training School, Coldwater, Michigan

Proposed Civic Center, Port of Detroit Commission, Detroit, Michigan
Give Them More WINDOWS
the Easy Curtis Way!

Check this yourself: More and more people who plan to build want more windows in their homes-to-be. And that's your opportunity to design and build more charming, more livable homes, with right windows, rightly chosen.

For your plans, Curtis offers more than three-fourths of a century of research and successful experience in window manufacture. That's why you can be sure of correct styling—easy operation—weather-tightness—and economical installation when you choose CURTIS SILENTITE, THE SELF FITTING WINDOW.

These Are The Selected Curtis Woodwork Dealers
For The Metropolitan Detroit Area

Through them you can obtain pertinent and accurate information on all Curtis Woodwork Products. Their stocks are available for instant service. Detail drawings provided by Curtis save many drafting hours. Only Curtis Dealers can give authentic price information on Curtis Woodwork. Your inquiries will be welcome and much appreciated.

RESTRICK LUMBER CO.
HOgarth 4830

LOWRIE & WEBB LUMBER CO.
ORegon 1111

LOWRIE LUMBER CO.
Vlnewood 1-1700

BRAUN LUMBER CORP.
TOwnsend 8-0320
Brewery for Pan-American Industries,
Ciudad Trujillo, Dominican Republic

HARLEY, ELLINGTON AND DAY, ARCHITECTS AND ENGINEERS, DETROIT, MICHIGAN
MARCH 15, 1946
R. E. Dailey & Co.
CONTRACTING ENGINEERS

DETROIT 4
9900 NORTHLAWN
HOgarth 2805

We Will Work Anywhere—Anytime

FACTORIES  WATER WORKS
SCHOOLS   SEWAGE PLANTS
CHURCHES   PAVING
HOSPITALS  BRIDGES

Alterations and Maintenance
# 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 412, Grand Rapids 52 and Saginaw Valley 19) and 64 non-resident Michigan registered architects who have paid annual dues—total 547.

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABRAHAM, SAMUEL F</td>
<td>165 California, Detroit 3</td>
<td></td>
</tr>
<tr>
<td>ABRAMSE, PIETER</td>
<td>21345 Bennett St., Detroit 21</td>
<td></td>
</tr>
<tr>
<td>ABRAMS, HENRY J</td>
<td>16128 Fairfield, Detroit 21</td>
<td></td>
</tr>
<tr>
<td>ACKLEY, CHARLES M</td>
<td>200 Chestnut St., Sewickley, Pa.</td>
<td></td>
</tr>
<tr>
<td>ACKLEY, CLARK R</td>
<td>527 Hollister Bldg., Lansing 8</td>
<td></td>
</tr>
<tr>
<td>AGREE, ALLAN G</td>
<td>13835 LaSalle, Apt. 15, Detroit 6</td>
<td></td>
</tr>
<tr>
<td>AGREE, CHARLES N</td>
<td>1140 Book Bldg, Detroit 26</td>
<td></td>
</tr>
<tr>
<td>AITKEN, ROBERT JAMES</td>
<td>1993 W. Liberty, Ann Arbor</td>
<td></td>
</tr>
<tr>
<td>AKITT, WILLIAM ROY</td>
<td>D. A. C., Detroit 26</td>
<td></td>
</tr>
<tr>
<td>ALBERT, AUGUSTUS J AS</td>
<td>3254 W. Michigan Ave., Kalamazoo</td>
<td></td>
</tr>
<tr>
<td>ALLEN, ALFRED P</td>
<td>R.R. No. 2, Berrien Springs, Michigan</td>
<td></td>
</tr>
<tr>
<td>ALLEN, ROGER</td>
<td>1126 G. R. Nat'l Bank Bldg., Grand Rapids 2</td>
<td></td>
</tr>
<tr>
<td>ALLEN, RUSSELL A</td>
<td>205 S. West Ave., Jackson</td>
<td></td>
</tr>
<tr>
<td>ALLEN, SAMUEL C</td>
<td>312 S. Washington Ave., Saginaw</td>
<td></td>
</tr>
<tr>
<td>ALTMIKS, HENRY F</td>
<td>345 New Center Bldg., Detroit 2</td>
<td></td>
</tr>
<tr>
<td>ANDERSON, D. C</td>
<td>4906 Palmer Ave., Dearborn</td>
<td></td>
</tr>
<tr>
<td>ANDERSON, DAVID E</td>
<td>301 Nester Bld., Marquette</td>
<td></td>
</tr>
<tr>
<td>ANDERSON, LESTER F</td>
<td>9 Leighton Pl., Silver Springs, Maryland</td>
<td></td>
</tr>
<tr>
<td>ANICA, WALTER T</td>
<td>2291 Dhu Varren Rd., Ann Arbor</td>
<td></td>
</tr>
<tr>
<td>ARNOLD, E. B.</td>
<td>2723 Webster, Royal Oak</td>
<td></td>
</tr>
<tr>
<td>ARNTZEN, ARNE</td>
<td>P.O. Box 66, Inyckern, Calif.</td>
<td></td>
</tr>
<tr>
<td>ARNTZEN, GOTHARD</td>
<td>820 S. 16th St., Escanaba</td>
<td></td>
</tr>
<tr>
<td>ASKEW, LYALL H</td>
<td>Hq. Det. 3rd T.A.C., Berksdale Field, Shreveport, La.</td>
<td></td>
</tr>
<tr>
<td>ATTWOOD, CHARLES W</td>
<td>4334 Monroe St., Wayne</td>
<td></td>
</tr>
<tr>
<td>BACHMANN, GEORGE J</td>
<td>213 Dryden Bldg., Flint 3</td>
<td></td>
</tr>
<tr>
<td>BAGLEY, ALFRED J</td>
<td>200 Tuxedo Ave., Highland Park 3</td>
<td></td>
</tr>
<tr>
<td>BAILEY, EDWARD DURBIN</td>
<td>903 W. Grand Blvd., Detroit 8</td>
<td></td>
</tr>
<tr>
<td>BAILEY, ROGER</td>
<td>4017 Washtenaw Rd., Ann Arbor</td>
<td></td>
</tr>
<tr>
<td>BAINES, HARRY S</td>
<td>Route No. 1, Birmingham</td>
<td></td>
</tr>
<tr>
<td>BAKER, JOHN P</td>
<td>115 A State Office Bldg., Lansing</td>
<td></td>
</tr>
<tr>
<td>BARBER, CHAS. L</td>
<td>c/o Choplin Lab, Inc., Thompson Rd., Syracuse, N. Y.</td>
<td></td>
</tr>
<tr>
<td>BARCROFT, FREDERIC</td>
<td>1005 Occidental Dr., Redland, Cal.</td>
<td></td>
</tr>
<tr>
<td>BARCUS, FRANK</td>
<td>c/o City Plan Commission, 1214 Griswold St., Detroit 26</td>
<td></td>
</tr>
<tr>
<td>BARNES, C. F. J</td>
<td>3774 Gladstone Ave., Detroit 6</td>
<td></td>
</tr>
<tr>
<td>BASSO, VICTOR J</td>
<td>700 Lawyers Bldg., Detroit 26</td>
<td></td>
</tr>
<tr>
<td>BATES, CHARLES E</td>
<td>15023 Harper Ave., Detroit 24</td>
<td></td>
</tr>
<tr>
<td>BAUER, LEO M</td>
<td>534 Free Press Bldg., Detroit 26</td>
<td></td>
</tr>
<tr>
<td>BAUER, RALPH L</td>
<td>134 E. Front St., Traverse City</td>
<td></td>
</tr>
<tr>
<td>BAUGH, WILLARD H</td>
<td>22441 Nona, Dearborn</td>
<td></td>
</tr>
<tr>
<td>BAUMANN, CARL L</td>
<td>14781 Tacoma Ave., Detroit 5</td>
<td></td>
</tr>
<tr>
<td>BEAM, HAROLD A</td>
<td>14200 Woodmont Rd., Detroit 27</td>
<td></td>
</tr>
<tr>
<td>BEATTY, HAMILTON</td>
<td>1838 Page Ave., E. Cleveland 12, Ohio</td>
<td></td>
</tr>
<tr>
<td>BECKBISSINGER, FREDERICK</td>
<td>304 Carroll St., Saginaw</td>
<td></td>
</tr>
<tr>
<td>BEIDLER, HERBERT B</td>
<td>952 Michigan Ave. N., Chicago, Ill.</td>
<td></td>
</tr>
<tr>
<td>BELL, D. CARLTON</td>
<td>12557 Camden St., Detroit 13</td>
<td></td>
</tr>
<tr>
<td>BELCO, MOSSIE</td>
<td>10901 Ozga Rd., Romulus</td>
<td></td>
</tr>
<tr>
<td>BESLER, KARL J</td>
<td>City County Bldg., Los Angeles, Calif.</td>
<td></td>
</tr>
<tr>
<td>BENJAMIN, A. T.</td>
<td>35 Laurel Ave., Takoma Pk., Md.</td>
<td></td>
</tr>
<tr>
<td>BENJAMIN, GLENN H</td>
<td>2730 Fairfield, R. No. 2, Kalamazoo 32</td>
<td></td>
</tr>
</tbody>
</table>
WHITCOMBE-BAUER FLOORING, INC.

FLOORING CONTRACTORS

10301 Lyndon Ave. HGarth 1655
DETROIT 21, MICHIGAN

STRUCTURAL STEEL

FABRICATION and ERECTION

W&K

COMPETENT ENGINEERS
A-1 EQUIPMENT

ALSO WAREHOUSE STEEL

WHITEHEAD & KALES

Detroit 13, Mich. VL 1-8300
BENJAMIN, I. H. .................................. 120 Pingree Ave., Detroit 2
BENNETT, L. R. .................................. Schaefer Bldg., Dearborn
BENNETT, M. FRED .................................. 345 New Center Bldg., Detroit 2
BENNETT, WELLS .................................. 500 Highland Rd., Ann Arbor
BERGEY, ARTHUR I. .................................. 832 Pearson Ave., Ferndale 20
BERGEY, FRANK A. .................................. 5550 Bedford, Detroit 24
BERNARDI, WALTER A. .................................. 392 Burlingame Ave., Detroit 2
BERY, GEORGE J. .................................. 24050 Roanoke Rd., Ferndale
BILLINGTON, MILTON C. J. .................................. 211 Woodward Ave., Kalamazoo 27
BINDA, GUIDO A. .................................. P. O. Box 133, Battle Creek
BINGMAN, ROBERT E. .................................. 18600 Wisconsin Ave., Detroit 21
BISSELL, EDWARD E. .................................. 1184 Edgewood Ave., Birmingham
BLACK, KENNETH C. .................................. 706 Capitol Savings & Loan Bldg., Lansing 68
BLACK, LEE .................................. 706 Capitol Savings & Loan Bldg., Lansing 68
BLAIR, JOHN O. .................................. 2000 Second Ave., Detroit 26
BLAKESLEE, L. ROBERT .................................. 18218 Stoepel Ave., Detroit 21
BLOOD, MARION FRANCES .................................. 367 Monroe, Muskegon
BLUME, LOUIS J. .................................. 345 New Center Bldg., Detroit
BOARDMAN, CHARLES E. .................................. 14673 Young Avenue, Detroit 5
BOHLEN, AUGUST C. .................................. 1001 Majestic Bldg., Indianapolis 4, Ind.
BOWLING, JESSE L. .................................. Dearborn Inn, Dearborn
BRAGG, STANLEY .................................. 391 W. Maplehurst Ave., Ferndale 20
BRANDT, CHRISTIAN W. .................................. 1418 Woodward, Royal Oak
BRAUN, GEORGE J. .................................. 228 N. LaSalle St., Chicago 4, Ill.
BREZNER, PHILIP .................................. 1314 Mich. Bldg., Detroit 26
BRIGHAM, GEORGE B., JR. .................................. 517 Oxford Rd., Ann Arbor
BROECKER, ERWIN L. .................................. 826 Lafayette Bldg., Detroit 26
BROWN, H. SANBORN .................................. 83 Meadow Lane, Grosse Pt. 30
BROWN, PAUL BRADLEY .................................. 137 Elmhurst, Detroit 3
BRYANT, DANIEL C. .................................. 1911 6th St., Pt. Huron

BUDKE, ERNST .................................. 1000 Marquette Bldg., Detroit 26
BULTHUIS, ALFRED K. .................................. 208 Elm St., Kalamazoo 10
BURNES, ALFRED .................................. 103 Pallister Ave., Detroit 2
BURNS, J. K. .................................. 613 North River Drive, Marine City
BURROWES, MARCUS R. .................................. 700 Architects Bldg., Detroit 1
BUTTERFIELD, EMILY HELEN .................................. Box 293, Algonac
CALDER, RALPH R. .................................. 1212 Kales Bldg., Detroit 26
CALDER, ROBERT F. .................................. 18100 Greenlawn Ave., Detroit 21
Caldwell, Lawrence E. .................................. 13606 Stoepel Ave., Detroit 4
CAMPAU, A. B. .................................. 734 Mich. Trust Bldg., Grand Rapids 2
CAMPBELL, CARLTON P. .................................. 2903 Biddle Ave., Wyandotte
CARNegie, EDW. J. .................................. 1317 Alamo Ave., Kalamazoo 52
CARSON, FRANK S. .................................. 216 Michigan Theatre Bldg., Ann Arbor
CARTER, THOMAS A. .................................. 427 N. Bundy Drive, Los Angeles 24, Calif.
CHANEL, ADELBERT B. .................................. 9 Merwood Drive, Battle Creek
CHITTENDEN, ALPHENS .................................. 1st & Broadmoor St., Colorado Springs, Col.
CERNY, JEROME ROBERT .................................. 999 Ringwood Rd., Lake Forest, Ill.
CHARN, VICTOR .................................. 4744 W. Rice St., Chicago 51, Ill.
CHUTE, PERCY H. .................................. Rt. No. 1, Lincoln Lake, Gowen
CLAPP, JOHN E. .................................. 4966 Ivanhoe Ave., Detroit 4
CLARK, EDWIN H. .................................. 75 E. Wacker Dr., Chicago 1, Ill.
CLARK, ERROLL R. .................................. 5511 Argyle Ave., Dearborn
CLELAND, EUGENE T. .................................. General Delivery, Waterford
COLE, LYLE S. .................................. 7376 Grand River Ave., Detroit
COVIN, F. HUSTON .................................. 2010 Longshore Drive, Ann Arbor
CONFER, EARL L. .................................. 14000 Strathmoor Ave., Detroit 27
COOK, HARRISON L. .................................. 340 Ferndale Ave., Birmingham
COTTRELL, DON M. .................................. 328 N. Maryland, Glendale 6
COUGHLAN, NORMAN H. .................................. 3400 Bewick Ave., Detroit 14
COUGHLAN, GARDINER C. .................................. Columbus Bldg., Green Bay, Wisc.
Rayl's will 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 in this period of great emergency.

Rayl's Feature

PLANK FRAME
REVERSIBLE WINDOW EQUIPMENT

CONFORMS TO THE GOVERNMENT'S POLICY
TO RESTRICT THE USE OF CRITICAL MATERIALS

APPLIED TO WOOD SASH

It 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

Quality Since 1875

Complete Line of
SLAGE
Locks and Builders Hdwe.
In Stock
Aluminized Aluminum Trim for

DISTRIBUTORS

YALE LOCKS
and Door Closers
STANLEY WORKS
Hinges
BEST
Removable-Core Master Key Systems
WILLIAMS REVERSIBLE
Pivoting Sash

RICHARDS-WILCOX
Sliding and Hinged
Door Hardware
COLUMBIA AND HALL-MACK
Bath Room Cabinets and Fixtures
BOMMER AND CHICAGO
Spring Hinges
VON-DUPRIN & MONARCH
Panic Exit Bolts

THE Rayl COMPANY
Cousins, J. Lester ............... 409 Griswold St., Detroit 26
Cowin, Julian R. .................. 1507 Stroh Bldg., Detroit 26
Cox, Cybil F. ....................... 11-125 G. M. Bldg., Detroit 2
Cox, Frank E. ....................... 1944 Monterey Ave., Detroit 6
Crane, C. Howard ................. 54 Victoria, London S. W., 1 Eng.
Creaser, William H. ............. 25406 Parkwood Drive, Huntingdon Woods
Crowe, Charles A .................. 734 Mich. Trust Bldg., Grand Rapids 2
Cronin, John T ..................... 345 New Center Bldg., Detroit 2
Curry, Harvey C .................. 803 Third St., Jackson
Darling, J. Dale ................... 757 W. Oakridge, Ferndale 20
Davenport, Harold D ............. Box No. 468, St. Petersburg, Fla.
Day, Clarence E .................. 1507 Stroh Bldg., Detroit 26
Dean, Frank E ...................... Haven Hills, Albion
Defonds, Ardery ................. 706 Capitol Loan Bldg., Lansing 68
Dearstyne, Howard B ............. Cranbrook Acdy. Arts, Bloomfield Hills
Denyes, Harry M ................. 700 Seward, Detroit
Derrick, Robert O ............... 515 Hammond Bldg., Detroit 26
Des Rosiers, Arthur ............. 15850 Jas. Couzens Hwy., Detroit 21
Devos, Peter ....................... 9161 Normalview, Kalamazoo 45
Devries, Bernard Jerin ........... 613 Hackley Union Nat. Bank, Muskegon
Diehl, George F ................. 120 Madison Ave., Detroit 26
Dise, J. Ivan ....................... 2631 Woodward Ave., Detroit 1
Ditchy, Clair W ................... 5 W. Larned St., Detroit 26
Dittmer, Ralph T ................ 302 Sherman Bldg., Flint 4
Dole, Walter M .................... 13630 Greiner Ave., Detroit 5
Donaldson, Alex G ............... 1601 Washington Blvd. Bldg., Detroit 28
Donkervoeit, C ................... 14364 Faust Ave., Detroit 23
Dow, Alden B ...................... 315 Post St., Midland
Drainie, John G .................. 7417 Second Blvd., Detroit 2
Dunbar, Reed M .................. Raisig Bldg., Monroe
Dworaki, Joseph F ............... 14529 Madalein Ave., Detroit 5
Eastman, Rave C ................. 233 Crest Ave., Ann Arbor
Edwards, Louis A ............... 4047 Ida Ave., Detroit 9
Ehler, Harold H ................. Box 474, Franklin
Ehmke, William ................. 104 S. Michigan Ave., Chicago 3, Ill.
Ellwood, E. E ..................... 1303 N. Stone Ave., Tucson, Ariz.
Emmerling, Alfred C ............ 17580 Hartwell, Detroit
Eugene, Alexander .............. 1320 W. 74th St., Chicago 36, Ill.
Fairbrother, Frederic A ......... 345 New Center Bldg., Detroit 2
Fairclough, Stanley D .......... 828 Exchange Ave., Chicago 9, Ill.
Faulhaber, Francis A .......... 5020 Jonathon, Dearborn
Feihlow, Albert C ............... 719 N. State St., Chicago 10, Ill.
Fernbach, Richard B ............ 9th Floor, Griswold Bldg., Detroit 26
Fink, Bernard .................... 14575 Schaefer Hwy., Detroit 27
Finch, Robert ..................... 1019 Francis Palms Bldg., Detroit 1
Finster, Chester G ............... 408 Garland St., Davison
Fisher, Harold H .............. 1605 Ind. Bank Bldg., Detroit 16
Fisler, Edward C ............... 14700 Grandmont Rd., Detroit 27
Planagan, Paul E ............... 634 Lake Drive, S. E., Grand Rapids 6
Fleischaker, Stanley ........... Whittier Hotel, Detroit 14
Fortney, Ralph B ............... 16176 Woodingham Dr., Detroit 21
Foster, Clayton .................. 19 Rector St., New York 6, N. Y.
Fowler, Homer A ................. 1217 Griswold St., Detroit 26
Francisco, Ferris L ............. 511 Fifth Ave., New York 17, N. Y.
Frantz, Robert B ............... 118 N. Washington Ave., Saginaw
Freier, Henry M ................. 300 Murphy Bldg., Detroit 26
French, Joseph N ............... 345 New Center Bldg., Detroit 2
Frost, Barry L ............... Armory Court, Jackson
PRODUCTION

TODAY production is the primary need of this country and the basic factor in our economic struggle for peace and security. Before we can have full production we must have construction. Shortages of materials and labor challenge the technical experience, organizational ability, resourcefulness and ingenuity of the architect and the builder to accomplish this construction so vitally needed.

Three large affiliated building organizations with a background of over fifty years of successful operation, ample resources and a large force of qualified personnel offer their combined facilities to Michigan architects and their clients.

Kuhne-Simmons Construction Association
Kuhne-Simmons Company
J. L. Simmons Company, Incorporated

GENERAL CONTRACTORS

COMMERCIAL — INDUSTRIAL — INSTITUTIONAL — HOUSING

1048 Penobscot Building, Detroit 26, Mich.
CADillac 8147

—OTHER OFFICES—

DECATUR, ILL. RANTOUL, ILL. INDIANAPOLIS, IND.
MICHIGAN SOCIETY OF ARCHITECTS

Page 71

FROST, WALLACE .......................... 203 Wabek Bldg., Birmingham
FRY, LYNN W. .............................. 1206 Orkney Dr., Ann Arbor
FUHS, G. J. .................................. 2985 Fischer Ave., Detroit 14
FUGARD, JOHN R. .......................... 520 N. Michigan Ave., Chicago 11, Ill.
FUGER, FREDERICK W. ..................... 160 McMillan Ave., Grosse Pointe 30
FUNKE, PHILIP J. ........................... 20426 Picadilly, Detroit 21
FURLONG, HAROLD B. ........................ 16605 Linwood Ave., Detroit 21
FUSCO, JOSEPH A. .......................... 52 Gladstone Ave., Detroit 2
GABLER, CORNELIUS L. T. .................... 17481 Alwyne Lane, Detroit 3
GABMER, BRANSON V. ....................... 515 Hammond Bldg., Detroit 26
GARSTECKI, WALTER F ........................ 8908 Ferry Road, Grosse Ile
GAVIN, DONALD ................................. 3800 Terminal Bldg., Cleveland, Ohio
GAY, JOHN BUCHANAN ....................... 2444—33rd St., South, St. Petersburg, Fla.
GEHRKE, HANS .................. 320 Insurance Exchange Bldg., Detroit 1
GENIESSE, L. A. .............................. 208 Sheridan Bldg., Green Bay, Wis.
GERGANOFF, R.S. ............................. 206 N. Washington St., Ypsilanti 17
GIBERSON, EDGAR D. ........................ 4309 Nottingham, Detroit 24
GIES, ROLAND C. ............................... 2194 Cadillac Blvd., Detroit 14
GILDERSLEEVE, FORREST A. .................. 909 Seymour, Jackson
GIRARD, ALEXANDER H. ....................... 380 Lakeland Ave., Grosse Pointe 30
GODEYNE, JOSEPH C. ......................... 417 Bay City Bank Bldg., Bay City
GOLDSMITH, DONALD H ...................... 998 Brookwood Court, Birmingham
GOLINCKI, STEPHEN WM. ..................... 420 Grove, Irvington, N. Y.
GOODRICH, WILLIAM F. ....................... Route 5, Box 72, Mt. Clemens
GRAF, HERMAN R. ............................ 308 Reynolds Bldg., Jackson
GRAY, DOROTHY D. ................................ 234 N. Summit, Ypsilanti
GREENBERG, ERNEST .......................... 15498 Livernois Ave., Detroit 21
GRIFFITH, ORIN K. ........................... 15 Ferrin Place, Mt. Clemens
GROSSE, PAUL C. ............................... 3930 Beniteau Ave., Detroit 14
GUENTHER, WERNER ........................... 85 Edgevale Ave., Detroit 3

GUY, EDGAR ................................. 282 Newport Ave., Detroit 15
HAAS, GEORGE J. ............................. 762 Olympia Bldg., Miami 32, Fla.
HABERMAS, CARL R. ......................... 415 Brainard St., Detroit 1
HADLEY, THOMAS E. .......................... 48 Wellesley, Royal Oak
HALPIN, DEWEY ............................... 14827 Farrer St., Detroit 27
HAMMETT, RALPH W. ......................... 1425 Pontiac Rd., Ann Arbor
HANNON, CHARLES D. .......................... 38668 Howard Rd., Farmington
HANNIKEN, G. J. .............................. 8711 Second Blvd., Detroit 2
HANSEN, CHARLES H. .......................... Box 401, Whitehall
HARLEY, ALVIN E. ............................. 1507 Stroh Bldg., Detroit 26
HARLEY, FRED M. .............................. 1507 Stroh Bldg., Detroit 26
HARPER, HOMER W. ............................ Box 18, Shoreham, St. Joseph
HARRIS, CLARK E. ............................. 904 Cooper Ave., Lansing 10
HARTMAN, HORACE W. .......................... 225 Puritan Ave., Detroit 5
HARTWICK, ERNEST F. ......................... 321 N. Harrison Ave., East Lansing
HARVEY, GEORGE L. ........................... 327 U. S. Bank Bldg., Port Huron
HASTINGS, ROBERT F. ......................... 1421 Boston Blvd., Detroit 6
HAUGHEY, HARVEY J. .......................... 112 Madison Ave., Detroit 26
HAUGHEY, PHILLIP C. .......................... 412 Post Bldg., Battle Creek
HAVEMAN, JAMES K. .......................... 900 Adams St., S.E., Grand Rapids 7
HAWES, GEORGE S. ......................... 807 Flint P. Smith Bldg., Flint 3
HAYES, JOHN J. ................................. 732 Adams St., Toledo 2, Ohio
HEBRARD, JEAN ................................. 1 Hillcrest Ct., Ann Arbor
HEESEN, LEO J. ................................. 610 Peoples State Bank Bldg., Pontiac 20
HEETER, ALBERT ............................... 1027 Elmwood Ave., Fort Wayne 3, Ind.
HELLMUTH, GEORGE F. .......................... 800 Marquette Bldg., Detroit 26
HENSCHEN, H. PETER .......................... 50 E. Van Buren, Chicago 5, Ill.
HERMAN, ALOYS FRANK .......................... 131 Lafayette Blvd., W., Detroit 2
HERRICK, FRED J. ............................... 810 Maple St., Albion
HERRICK, RALPH B. ............................. 510 Rulison St., Lansing 15

MARCIH 15, 1946
"CRAWFORD UPWARD ACTING DOORS"

Overhead type doors for all residential and industrial purposes in any sizes up to 20' by 16', and in any design to suit the architect's requirements. Crawford Doors are sold and installed nationally by authorized Crawford Dealers.

WELL PLANNED HOMES PROVIDE

CONCEALED

TELEPHONE WIRING

The time to plan for handy telephone outlets in the modern home is when the project is in the blueprint stage—before construction is started. They are easy to install when you:

1. Select in advance the convenient locations for immediate and future telephone outlets and have them marked on the plans.

2. Specify in the plans that conduit for telephone wires be provided by the builder during construction.

Built-in conduit and outlets for telephone wires eliminate exposed wires on walls and baseboards. When the builder installs them in advance, there is no need for drilling holes later; no need to mar woodwork or walls.

We will be glad to assist you in planning for each individual case. In the Detroit area, call CHerry 9900, Extension 2624. Elsewhere in Michigan, call our Business Office and request that a telephone engineer get in touch with you.

MICHIGAN BELL TELEPHONE COMPANY
HERTEL, BENJAMIN W. ............... 1523 Hall St., S.E.,
                                  Grand Rapids 6

HEWITT, EDWARD N. ............... 550 W. Lincoln, Birmingham

HEWLETT, THOMAS H. ............. 2317 Dime Bank Bldg., Detroit 26

HEWLETT, TIMOTHY Y. ............ 4161 Rover Road, Toledo 9, Ohio

HILBERG, JOHN T. .................. 7584 Forestlawn Ave., Detroit

HILL, MYRON T. ................. U.S.N.R. & Bureau of Yards & Docks,
                                  Washington, D. C.

HINE, TREDICK K. ................. 13220 Woodward Ave., Detroit 3

HOFFMASTER, HARVEY R. ........ 1619 N. Washington,
                                  Royal Oak


HOLMES, WARREN S. ............... 2200 Olds Tower, Lansing 8

HOOKER, ARTHUR M. ............... 753 Ada Ave., Muskegon

HOPKINS, J. EDWIN ................. 24 W. 40th St., New York 13, N. Y.

HORNENROOK, THOMAS W. ......... 90 Amherst Rd.,
                                  Pleasant Ridge

HORNER, CHARLES ................ 88 Louise Ave., Highland Park 3

HOSMAN, LEO J. .................. 800 Marquette Bldg., Detroit 26

HOUHIAN, RAYMOND F. .............. 5651 N. Rockwell Ave.,
                                  Chicago 45, Ill.

HOWARD, ALMERN C. .............. 1429 Walnut St., Philadelphia 2, Pa.

HOWE, GEORGE .................... 9189 Germantown Ave., Chestnut

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 .......... 79 Montgomery 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. .......... 515 Hammond Bldg., Detroit 26

IMBS, THOMAS F. .................. 508 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.

JAHN, THURSTON R. ............... 4700 Korte, 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 Picadilly, Detroit 21

JOGERST, JOSEPH PETER ........... 53 Marston, Detroit 2

JOHNSON, GLENN Q. ............... 1701 N. 76th Court,
                                  Elmwood Park, Ill.

JOHNSON, REUBEN H. .............. 601 N. St. Clair St., Chicago, Ill.

JONES, A. CHARLES ............... 3894 Catalpa, Berkeley

JUNTEHEN, 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, H. J. ................. 13215 Roselawn Ave., Detroit 4

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.

KENYON, J. DARBY ................. R. 4, 116 River Front,
                                  Signal Mountain, Tenn.

KEOUGH, H. J. .................... 4060 Taylor Ave., Detroit 4

KERN, NATHANIEL C. .............. 195 Cranbrook Cross Road,
                                  Birmingham
THE DONALD MILLER COMPANY
PLUMBING-HEATING-AIR CONDITIONING
INDUSTRIAL PIPING-POWER PIPING
FIRE PROTECTION SYSTEMS

1718-1720 BRUSH STREET
DETROIT 26, MICHIGAN
RAndolph 2800

MEIER CUT STONE WORKS
SINCE 1865
BUILDING STONE
Craftsmanship a Creed
Accuracy a Law

9664
French Road
At Gratiot

Phones
PLaza 3343
PLaza 3344
MICHIGAN SOCIETY OF ARCHITECTS

KETELHUT, PAUL J. 1225 White St., Ann Arbor
KEYES, HUGH T. 309 Wabek 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 Fortand Ave., Belleville, Ill.

KING, CHRISTOPHER J. 769 N. Sheldon St., Charlotte
KING, SOL 2659 Fleet St., Detroit 6
KINGSCOTT, LOUIS C 3231 Davison Ave., Detroit 6
KINGSLEY, GEORGE S. 929 E. Wellington, Flint 3
KISSINGER, STEWART S 9752 Yellowstone, Detroit 4
KNOX, WILLIAM D. Route No. 10, Pontiac 10
KNOX, ROBERT V. 415 Ridgeway, St. Joseph
KOERNER, UDA H. 7415 Ingleside Ave., Chicago 19, Ill.
KRAMER, WM. E. 109 E. Nine Mile Rd., Ferndale 20
KRESSBACH, CALL C. F. 1704 Natl. Bank Bldg., Jackson
KRECHE, NORMAN 818 Michigan Bldg., Detroit 26
KROSKE, PAUL C. 24 Tennyson, Detroit 3
KUNI, WILLIAM H. 19642 Shrewsbury Rd., Detroit 21

LANGHENRICH, FRED W. 4541 W. Washington Blvd., Chicago 24, Ill.
LANGIUS, ADRIAN NELSON 932 Westlawn, East Lansing
LARKIN, LESLIE G. 5538 Ivanhoe Ave., Detroit 4
LEINWEBER, JOSEPH W. 800 Marquette Bldg., Detroit 26
LENTZ, WALTER E. 1250 David Whitney Bldg., Detroit 26
LEONE, AMEDEO 800 Marquette Bldg., Detroit 26
LEWIS, ISADORE M. 1006 Eaton Tower, Detroit 26

LINDEBERG, HARRIE T. 5 E. 57th St., New York 22, N. Y.
LINDBLAD, BERTIL 19200 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, LESLIE M. 923 University Pl., Grosse Pointe 30
LOWNEY, ROBERT J. 3160 Second, Detroit 1
LUCKENBACH, OWEN A. 2317 Dime Bldg., Detroit 26
LUNDBLAD, CLAUS D. 4070 W. Fort St., Detroit 9
LYNDON, MAYNARD 427 Beloit, Westwood, Los Angeles 24, Cal.

MacGREGOR, ALEXANDER 401 S. York, 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

MAGNUSON, E. HARRY 202 Montgomery Bldg., Muskegon
MAJOR, MILTON C. 1511 James St., Kalamazoo 30
MARR, CARL B. 415 Brainard St., Detroit 1
MARR, RICHARD H. 415 Brainard St., Detroit 1
MARSHALL, WALTER V. RFD No. 1, Barton Shores, Ann Arbor

MARTIN, EDGAR D. 540 N. Michigan Ave., Chicago 11, Ill.
MARTZ, LAWRENCE S. RFD No. 3, Box 255, Pontiac 3
MARVIN, ALDEN S. 1720 Randolph St., Detroit 26
MASON, GEORGE D. 400 Griswold St., Detroit 26
MATHews, RAYMOND 1226 Elmwood Ave., Fort Wayne 3, Ind.

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, JOHN OGDEN 5 E. 57th St., New York 22, N. Y.
MERRILL, CLARENCE B. 1133 Cornelius, Saginaw

MARCH 15, 1946
CAMPBELL CONSTRUCTION COMPANY

Commercial And Industrial
Building Engineers

DETROIT 10, MICHIGAN

3255 GOLDNER
LAFAYETTE 2710
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>MERRITT, GERALD M.</td>
<td>7376 Grand River Ave., Detroit 4</td>
</tr>
<tr>
<td>MESSING, ARTHUR H.</td>
<td>4523 Garland Ave., Detroit 13</td>
</tr>
<tr>
<td>MESTER, FRANK J.</td>
<td>524 Turner Ave., N.W., Grand Rapids</td>
</tr>
<tr>
<td>MEYER, EARL G.</td>
<td>324 Touraine Rd., Grosse Pointe 30</td>
</tr>
<tr>
<td>MICHEL, KENNETH A.</td>
<td>341 Touraine Rd., Grosse Pointe 30</td>
</tr>
<tr>
<td>MILES, FRANK A.</td>
<td>60 Cambridge Rd., Grosse Pointe 30</td>
</tr>
<tr>
<td>MILLAR, HUGH T.</td>
<td>14827 E. Jefferson Ave., Detroit 15</td>
</tr>
<tr>
<td>MILLER, J. LAWSON</td>
<td>55 Resedale Court, Detroit 2</td>
</tr>
<tr>
<td>MILLOTT, HENRY S.</td>
<td>1358 W. Grand Blvd., Detroit 8</td>
</tr>
<tr>
<td>MILLS, BYRON E.</td>
<td>4282 Seebald Ave., Detroit 4</td>
</tr>
<tr>
<td>MITSCHKE, ALFRED</td>
<td>1507 Stroh Bldg., Detroit 26</td>
</tr>
<tr>
<td>MITTON, EUGENE W.</td>
<td>14103 Forrest Ave., Detroit 27</td>
</tr>
<tr>
<td>MORISON, ANDREW R.</td>
<td>929 Fox Bldg., Detroit 1</td>
</tr>
<tr>
<td>MORTON, HAROLD</td>
<td>9437 Northlawn, Detroit 4</td>
</tr>
<tr>
<td>MOSS, THOMAS</td>
<td>203 Conner Bldg., Plymouth</td>
</tr>
<tr>
<td>MOXNESS, T. J.</td>
<td>345 New Center Bldg., Detroit 2</td>
</tr>
<tr>
<td>MUEHLMAN, HARRY G.</td>
<td>409 Griswold St., Detroit 26</td>
</tr>
<tr>
<td>MUNSON, ORLE J.</td>
<td>409 Wilson Bldg., Lansing 68</td>
</tr>
<tr>
<td>MUSCH, MAX A.</td>
<td>4533 Fisher Drive, Brighton</td>
</tr>
<tr>
<td>MUTH, GUSTAV</td>
<td>345 New Center Bldg., Detroit 2</td>
</tr>
<tr>
<td>McCONKEY, GEORGE M.</td>
<td>2541 Washtenaw, Ann Arbor</td>
</tr>
<tr>
<td>McCORMICK, WILLIAM D.</td>
<td>121 S. Negley Ave., Pittsburgh 6, Pa.</td>
</tr>
<tr>
<td>MCDONALD, ALBERT C.</td>
<td>409 Griswold St., Detroit 26</td>
</tr>
<tr>
<td>McGREW, CHARLES B.</td>
<td>16215 Warwick Road, Detroit 19</td>
</tr>
<tr>
<td>McKINNON, PATRICK</td>
<td>216 S. Thayer St., Ann Arbor</td>
</tr>
<tr>
<td>NELSEN, LAVERN JAMES</td>
<td>417 Bay City Bank Bldg., Bay City</td>
</tr>
<tr>
<td>NEWLANDER, M. M.</td>
<td>1201 Cherry St., Kalamazoo 39</td>
</tr>
<tr>
<td>NEWMAN, HARRY M.</td>
<td>728 Lafayette Bldg., Detroit 26</td>
</tr>
<tr>
<td>NIES, ALBERT B.</td>
<td>408 Third St., Jackson</td>
</tr>
<tr>
<td>NOBLE, CHARLES</td>
<td>4484 Cass Ave., Detroit 1</td>
</tr>
<tr>
<td>NORTON, CHARLES M.</td>
<td>545 Lafayette Ave., S. E., Grand Rapids 3</td>
</tr>
<tr>
<td>NOTH, EDWIN J.</td>
<td>1304 Maccabees Bldg., Detroit 2</td>
</tr>
<tr>
<td>O'DELL, FREDERICK C.</td>
<td>1103 Berkshire Road, Ann Arbor</td>
</tr>
<tr>
<td>O'DELL, H. AUGUSTA</td>
<td>2317 Dime Bank Bldg., Detroit 28</td>
</tr>
<tr>
<td>ODELL, WILLIAM H.</td>
<td>2281 W. Grand Blvd., Detroit 8</td>
</tr>
<tr>
<td>OLSEN, PETER M.</td>
<td>4203 Robinson St., Duluth 4, Minn.</td>
</tr>
<tr>
<td>OLSON, A. WALLACE</td>
<td>2340 Eastbrook, Toledo 12, Ohio</td>
</tr>
<tr>
<td>OPPENHAMER, W. A.</td>
<td>110 S. Washington St., Green Bay, Wis.</td>
</tr>
<tr>
<td>OSBORNE, JAMES</td>
<td>1040 Lake Drive, Grand Rapids</td>
</tr>
<tr>
<td>OSGOOD, S. EUGENE</td>
<td>206 Yonell Ave., S.E., Grand Rapids</td>
</tr>
<tr>
<td>OSTERGREN, ROBERT CHARLES</td>
<td>1426 Cullom St., Chicago 13, Ill.</td>
</tr>
<tr>
<td>OWENS, SHIRLEY L.</td>
<td>22441 Law Avenue, Dearborn</td>
</tr>
<tr>
<td>OWINGS, NATHANIEL A.</td>
<td>100 W. Monroe St., Chicago 3, Ill.</td>
</tr>
<tr>
<td>PAGE, GEORGE R.</td>
<td>Okemos</td>
</tr>
<tr>
<td>PALMER, C. WILLIAM</td>
<td>1039 Seminole Ave., Detroit 14</td>
</tr>
<tr>
<td>PARDEE, ALICE S.</td>
<td>382 Mt. Clemens St., Pontiac 16</td>
</tr>
<tr>
<td>PARDEE, ST. CLAIR</td>
<td>703 Oakland, St. Johns</td>
</tr>
<tr>
<td>PARMELEE, GALE F.</td>
<td>18804 Glenwood Blvd., Birmingham</td>
</tr>
<tr>
<td>PELLERIN, EARL W.</td>
<td>16855 LaSalle Blvd., Detroit 21</td>
</tr>
<tr>
<td>PEREIRA, P. R.</td>
<td>1173 Foster Rd., Rt. No. 1, Midland</td>
</tr>
<tr>
<td>PERKINS, RAYMOND C.</td>
<td>2322 W. Grand Blvd., Detroit 8</td>
</tr>
<tr>
<td>PERRY, LEO IRWIN</td>
<td>140 Longfellow Ave., Detroit 2</td>
</tr>
<tr>
<td>PETERSON, GEORGE L.</td>
<td>800 Fidelity Bldg., Detroit 26</td>
</tr>
<tr>
<td>PETERSON, HAROLD E.</td>
<td>804 Gunderson Ave., Oak Park, Ill.</td>
</tr>
<tr>
<td>PETERSON, ROY T.</td>
<td>3561 Wyckliffe Pkwy., Toledo 6, Ohio</td>
</tr>
<tr>
<td>PETTIBONE, MILTON W.</td>
<td>689 Rivard Blvd., Grosse Pointe 30</td>
</tr>
<tr>
<td>PHELPS, CHARLES L.</td>
<td>1119 Earl, Ferndale 20</td>
</tr>
<tr>
<td>PICKELL, F. GORDON</td>
<td>5545 Second Blvd., Detroit 2</td>
</tr>
<tr>
<td>PICKENS, BUFORD L.</td>
<td>2306 Waverly Ave., Detroit 6</td>
</tr>
<tr>
<td>PILAFIAN, SUREN</td>
<td>112 Madison Ave., Detroit 26</td>
</tr>
</tbody>
</table>

MARCH 15, 1946
CENTURY BRICK C O.

Facing Tile
Victory Glaze Tile
Vitrified Sewer Pipe

Insulux Glass Block
Ceramic Tile
Face Brick

Sam Burtman, Manager
UNIVERSITY 1-8200

14900 LINWOOD AVENUE
DETOUR 21, MICHIGAN

A complete line of air conditioning and refrigerating equipment including Freon, Carbon Dioxide, Ammonia, Methyl Chloride, Water Vapor, Absorption and Steam Jet. In Sizes from 1/4 ton to 1500 tons.

American Refrigerating Co.
844 Michigan Bldg.
CHerry 7066

Distributors for
WORTHINGTON PUMP & MACHINERY CO.
CARBONDALE DIVISION

CHRYSLER CORPORATION
AIRTEMP DIVISION

and

WITTENMEIER MACHINERY CO.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>SIMONS, HOWARD T</td>
<td>131 Lafayette Blvd., W., Detroit 26</td>
</tr>
<tr>
<td>SIMPSON, LEWIS W</td>
<td>22120 Edison, Dearborn</td>
</tr>
<tr>
<td>SIMPSON, STANLEY G</td>
<td>1510 W. Ionia St., Lansing</td>
</tr>
<tr>
<td>SIRrine, CHESTER A</td>
<td>510 Townsend St., Lansing</td>
</tr>
<tr>
<td>SKART, JOHN</td>
<td>2986 Wreford St., Detroit 8</td>
</tr>
<tr>
<td>SKIDMORE, LOUIS</td>
<td>5 E. 57th St., New York 22, N. Y.</td>
</tr>
<tr>
<td>SMITH, EBERLE M</td>
<td>1202 Francis Palms Bldg., Detroit 1</td>
</tr>
<tr>
<td>SMITH, GEORGE S</td>
<td>8332 Luella Ave., Chicago 17, Ill.</td>
</tr>
<tr>
<td>SMITH, HARRY T</td>
<td>1029 Mason St., Flint 4</td>
</tr>
<tr>
<td>SnyDER, LENON, JR</td>
<td>700 Michigan Natl. Bank Bldg., Battle Creek</td>
</tr>
<tr>
<td>SnyDER, RICHARD G</td>
<td>519 Garfield St., Cadillac</td>
</tr>
<tr>
<td>SorenSEN, N. CHESTER</td>
<td>2201 Industrial Bank Bldg., Detroit 26</td>
</tr>
<tr>
<td>SPETER, VICTOR B</td>
<td>RFD No. 2, Box 236, Fairfax, Va.</td>
</tr>
<tr>
<td>SPELLICY, JOHN P</td>
<td>17536 Hartwell Ave., Detroit 21</td>
</tr>
<tr>
<td>SPENCE, JAMES ALEXANDER</td>
<td>118 N. Washington Ave., Saginaw</td>
</tr>
<tr>
<td>STachsowIAK, STEPHEN J</td>
<td>11838 Joseph Campau, Hamtramck 12</td>
</tr>
<tr>
<td>STAtH, JOHN C., JR</td>
<td>508 Francis Palms Bldg., Detroit 1</td>
</tr>
<tr>
<td>STANGER, HUGO L</td>
<td>601 Deming Pl., Chicago, Ill.</td>
</tr>
<tr>
<td>STANton, HENRY F</td>
<td>409 Griswold St., Detroit 26</td>
</tr>
<tr>
<td>STAPERT, RAYMOND</td>
<td>1323 Jackson St., Kalamazoo</td>
</tr>
<tr>
<td>STEFFENS, J. H. G.</td>
<td>Fordson Hotel, Dearborn</td>
</tr>
<tr>
<td>STEIN, BENJAMIN H</td>
<td>1802 S. Springfield Ave., Chicago 23, Ill.</td>
</tr>
<tr>
<td>STEIN, JACK STEWART</td>
<td>6724 N. Glenwood Ave., Chicago 26, Ill.</td>
</tr>
<tr>
<td>STEKETEE, CHRIS</td>
<td>622 Murray Bldg., Grand Rapids 2</td>
</tr>
<tr>
<td>STIRLING, JAMES F</td>
<td>3815 Gladstone Ave., Detroit 6</td>
</tr>
<tr>
<td>STIRTON, MALCOLM R</td>
<td>18668 Littlefield Ave., Detroit 21</td>
</tr>
<tr>
<td>STONE, WILLIAM A</td>
<td>1102 W. Main St., Kalamazoo 48</td>
</tr>
<tr>
<td>STONE, WILLIAM H</td>
<td>775 W. Maple St., Birmingham</td>
</tr>
<tr>
<td>STRAIGHT, EUGENE D</td>
<td>Schaefer Bldg., Dearborn</td>
</tr>
<tr>
<td>STRAUSS, FRED G</td>
<td>Garden City Hotel, Garden City, L. I., N. Y.</td>
</tr>
<tr>
<td>STUCHELL, CLAIR A</td>
<td>740 University Pl., Detroit 30</td>
</tr>
<tr>
<td>SULLIVAN, CHARLIE S</td>
<td>2631 Woodward Ave., Detroit 1</td>
</tr>
<tr>
<td>SWANSON, J. ROBERT F</td>
<td>Bloomfield Hills</td>
</tr>
<tr>
<td>SWARTS, WARD G</td>
<td>108 Wallace Blvd., Ypsilanti</td>
</tr>
<tr>
<td>TAMPLIN, ERNEST</td>
<td>22800 Vassar, Hazel Park</td>
</tr>
<tr>
<td>TANNER, THOMAS S</td>
<td>1617 Granger Ave., Ann Arbor</td>
</tr>
<tr>
<td>TAYLOR, JONATHAN A</td>
<td>1415 Glynn Court, Detroit 6</td>
</tr>
<tr>
<td>TAYLOR, S. HOWELL</td>
<td>500 Packard St., Ann Arbor</td>
</tr>
<tr>
<td>TEMPEST, R. W.</td>
<td>1411 E. Jefferson, Detroit 7</td>
</tr>
<tr>
<td>THEBAUD, VICTOR E</td>
<td>604 North Park, N. E., Grand Rapids 5</td>
</tr>
<tr>
<td>THOMPSON, G. HAROLD</td>
<td>Mullet Lake</td>
</tr>
<tr>
<td>THORNTON, JOHN C</td>
<td>502 Laurel St., Royal Oak</td>
</tr>
<tr>
<td>THULIN, WALTER E</td>
<td>115 McKinstry St., Detroit 9</td>
</tr>
<tr>
<td>TILDS, PAUL</td>
<td>18634 Roselawn, Detroit 21</td>
</tr>
<tr>
<td>TOTH, ANDREW A.</td>
<td>2158 Portage Ave., South Bend 6, Ind.</td>
</tr>
<tr>
<td>TOUR, HARRY B.</td>
<td>218 Union Bldg., Knoxville, Tenn.</td>
</tr>
<tr>
<td>TROUT, ALEX L</td>
<td>1664 Penobscot Bldg., Detroit 26</td>
</tr>
<tr>
<td>TURNER, HENRY H.</td>
<td>1502 Sherbrook Rd., S. Euclid, Ohio</td>
</tr>
<tr>
<td>TUTTLE, EDWARD X</td>
<td>1842 RCA Bldg., 30 Rockefeller Plaza, New York 20, N. Y.</td>
</tr>
<tr>
<td>VALENTINE, CHARLES M., JR</td>
<td>448 Mitchell Rd., Smith Creek</td>
</tr>
<tr>
<td>VALENTINE, EDWIN E</td>
<td>99 Miller, Muskegon</td>
</tr>
<tr>
<td>VANDEN BOGERT, JOHN</td>
<td>540 Michigan Trust Bldg., Grand Rapids 2</td>
</tr>
<tr>
<td>VANDER LAAN, PETER</td>
<td>718 Campbell Ave., Kalamazoo 51</td>
</tr>
<tr>
<td>VAN DER MUELEN, JOHN H</td>
<td>198 W. 11th St., Holland</td>
</tr>
<tr>
<td>VAN REYENDAM, DIRK</td>
<td>9640 Besmore Ave., Detroit 13</td>
</tr>
<tr>
<td>VAN VOLKENBURG, FOREST D</td>
<td>Box 4, Kalamazoo</td>
</tr>
<tr>
<td>VARNEY, F. ORLA</td>
<td>958 Putnam, Detroit 2</td>
</tr>
<tr>
<td>VENMAN, VERNON L</td>
<td>4229 Glendale, Detroit 4</td>
</tr>
<tr>
<td>VICARY, HARRY C.</td>
<td>22845 Nona, Dearborn</td>
</tr>
</tbody>
</table>
PHOTOGRAPHS

- Architectural
- Progress
- Copies
- Color Photos
- Slides

JOHN S. COBURN
517 Charlevoix Building, Detroit 1, Mich.
CHERRY 2836

JOHNSON CONTROL SYSTEMS
for Commercial Buildings, Industrial Plants, Institutional and Public Buildings, Schools and larger Residences. Including time-tested Johnson Temperature Control for each INDIVIDUAL ROOM. Johnson Systems may be applied to all types of heating, cooling, ventilating, air conditioning and industrial processing installations. Ask to see a Johnson engineer from a nearby branch.

JOHNSON SERVICE COMPANY
MILWAUKEE 2, WISCONSIN AND DIRECT BRANCHES IN PRINCIPAL CITIES
VOGEL, CHAS. J. 2310 Edison, Detroit 6
VOORHEES, STEPHEN F. 101 Park Ave., New York, N. Y.
VOSE, GARDINER C. 436 Glengary Rd., Birmingham
WACHTER, HORACE W. 1220 Madison Ave., Toledo 2, Ohio
WAGNER, RANDALL 1510 Amer. Nat'l Bank Bldg., Kalamazoo 4
WALPER, C. ORA 26080 York, Huntington Woods
WALTERS, GEORGE N. 16600 Meyers Road, Detroit 27
WARD, RAY F. 132 N. Genessee, Pontiac 19
WARING, ROGER L. Box 6379, Cleveland 1, Ohio
WATSON, V. S. R.F.D. 2, Berrien Springs
WEAVER, MERLE C. 5920 Lakeview, Detroit 13
WEBER, A. A. 160 Market St., Mt. Clemens
WEBSTER, MORRIS 16216 Greenview, Detroit 23
WEEKS, ARTHUR L. 15776 Fielding, Detroit 23
WEIGLE, WILLIAM L. 4025 Seyburn Ave., Detroit 14
WEEMHOFF, HARVEY H. 609 Windsor Terrace, Grand Rapids
WEITZMAN, ARNOLD A. 11845 LaSalle Blvd., Detroit 6
WELCH, KENNETH C. 1340 Monroe, N.W., Grand Rapids 5
WELLS, DALTON R. 17345 Roselawn, Detroit 21
WEST, ROBERT J. 512 United Artists Bldg., Detroit 26
WETZEL, BERNARD C. 4643 Pacific Ave., Detroit 4
WETZEL, LEWIS MALCOLM 232 Rhode Island Ave., Royal Oak
WHITE, DONALD F. 1727 St. Antoine St., Detroit 26
WHITE, HARRY L. 1312 So. Washington Ave., Royal Oak
WHITING, EDMUND c/o The American Embassy, Quito, Ecuador
WHITNEY, CLARENCE J. 217 LaSalle, Royal Oak

WIEDMAIER, FRANK W. 112 Madison Ave., Detroit 26
WIEGAND, WILLIAM 103 Park Ave., New York, N. Y.
WIGEN, FREDERICK 3615 Fulton St., Saginaw
WILBY, ERNEST 1567 Ouelette Ave., Windsor, Ont.
WILLEKE, LEONARD 1142 Bishop Road, Grosse Pointe 30
WILLIAMS, ALBERT E. 140 Elmhurst, Detroit 3
WILLIAMS, DAVID H. JR. 13300 E. Outer Dr., Detroit 24
WILLIAMS, MALCOLM M. 827 Sunset Lane, East Lansing
WILLIAMS, MILTON R. 330 W. First St., Dayton 2, Ohio
WILSON, ARTHUR L. 13335 Woodward Ave., Detroit 3
WILSON, C. H. CARLISLE 60 Emmons Blvd., Wyandotte
WINEGAR, W. RAY Port Credit, Ont., Canada
WINN, OTIS 1600 Seward Ave., Detroit 6
WINTER, FRED J. 2410 Book Tower, Detroit 26
WOOD, BARTON D. 6432 Cass Ave., Detroit 2
WOODWORTH, L. L. Michigan Theatre Bldg., Ann Arbor
WORDEN, LLOYD W. 413 N. Connecticut, Royal Oak
WORTHINGTON, A. M. Box 940, R. No. 2, El Caton, Cal.
WRIGHT, FRANK H. 120 Madison Ave., Detroit 26
WRIGHT, GEORGE W. 4146 Dixie Canyon Ave., Sheridan Oaks, Cal.
WRIGHT, LLOYD H. 120 Madison Ave., Detroit 26
WYETH, W. H. 323 U. S. Bank Bldg., Port Huron
ZANNOOTH, GEORGE G. 3475 Balfour Rd., Detroit 24
ZILLMER, EMIL G. 132 Federal Sq. Bldg., Grand Rapids 2
ZIMMERMANN, ARTHUR J. 710 Snyder Rd., E. Lansing
ZIMMERMANN, WILLIAM C. 302 Riker Bldg., Pontiac 15
ZISLER, LYLE F. 302 McKerchey Bldg., Detroit 1

Fireside Printing & Publishing Co.
PUBLICATION SPECIALISTS
4728 St. Aubin Avenue
TEmple 2-4900
Detroit 7, Mich.

MARCH 15, 1946
A. W. KUTSCHE & CO.

Building Construction

2111 Woodward Avenue, Detroit 1, Michigan

A. W. KUTSCHE
President

A. Z. SHMINA
Vice President

LUMBER
MOULDINGS

ROOFING
INSULATION

OVERHEAD TYPE GARAGE DOORS

Wholesale Distributors

SMITH-ORR CO.
14351 W. Warren
Dearborn, Mich.

May You Have A Successful Annual Meeting

THE MASTER BUILDERS CO.

HEAVY DUTY FLOORS
CEMENT DISPERSION
AIR ENTRAINMENT
OIL-PROOF, NON-SHRINK
CONCRETE & MORTARS

E. H. Fenker
A. C. Holmes
W. T. Harms

600 Michigan Bldg.
Detroit 26, Mich.

WEEKLY BULLETIN
From the office of Clair W. Ditchy, F.A.I.A., are shown above Hospital Building for South Oakland Hospital Authority, and below Service Building for the City of Royal Oak, Michigan.
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:
213 Mary Street
Phone: 9-3141, 9-3142

In Grand Rapids:
552-554 Michigan Trust Bldg.
Phone: 86008

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

THE THOMAS BRICK & TILE CO.

GLAZED AND FACING TILE
FACE BRICK
FIRE BRICK
STRUCTURAL CLAY TILE

14360 Livernois Ave., Detroit 4, Michigan

TO. 8-1354

CONCRETE
Transit-Mixed

Our plant and staff is equipped
to furnish concrete complying with
your specification.

Commercial
Residential

The Thomas E. Currie Co.

2531 Conner Ave.
Le. 2518
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Contact Person</th>
<th>Address</th>
<th>Telephone</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 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>1627 W. Fort St. (16)</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>CHAMBERLAIN COMPANY OF AMERICA</td>
<td>Harley K. McCabe</td>
<td>1254 Labrosse St. (26)</td>
<td>CH 8484</td>
</tr>
<tr>
<td>CRANE COMPANY</td>
<td>Wm. L. Converse</td>
<td>150 Randolph St. (26)</td>
<td>CH 3123</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 5860</td>
</tr>
<tr>
<td>GENERAL ELECTRIC CO.</td>
<td>A. A. Shirley</td>
<td>700 Antoinette St. (2)</td>
<td>TR 2-2600</td>
</tr>
<tr>
<td>JOHNS MANVILLE</td>
<td>F. W. Clise and J. M. Lee</td>
<td>832 Fisher Bldg. (2)</td>
<td>MA 3300</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 CO.</td>
<td>Irving Andres</td>
<td>930 Monroe Ave. (7)</td>
<td>RA 5790</td>
</tr>
<tr>
<td>LIBBEY-OWENS-FORD GLASS CO.</td>
<td>J. F. Busse</td>
<td>610 Fisher Bldg. (2)</td>
<td>MA 0080</td>
</tr>
<tr>
<td>R. E. LEGGETTE ACOUSTICAL COMPANY</td>
<td>R. E. Leggette</td>
<td>1771 West Fort Street (16)</td>
<td>LA 8330</td>
</tr>
<tr>
<td>MARSH WALL PRODUCTS CO. OF DETROIT</td>
<td>W. E. Ogden</td>
<td>6432 Cass Avenue (2)</td>
<td>MA 6300</td>
</tr>
<tr>
<td>MASONITE CORPORATION</td>
<td>Howard Miller</td>
<td>439 Penobscot Bldg. (26)</td>
<td>RA 5500</td>
</tr>
<tr>
<td>MASTER BUILDERS CO.</td>
<td>E. H. Fenker</td>
<td>626 Michigan Bldg. (26)</td>
<td>CA 1246</td>
</tr>
<tr>
<td>MUELLER BRASS CO.</td>
<td>Ralph C. Hunter</td>
<td>2842 West Grand Boulevard (2)</td>
<td>MA 3395</td>
</tr>
<tr>
<td>NATIONAL FIREPROOFING CORP.</td>
<td>W. R. Sherman</td>
<td>5737 Commonwealth Ave. (8)</td>
<td>MA 2181</td>
</tr>
<tr>
<td>NORGEB 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>W. A. Cory</td>
<td>950 W. Fort St. (26)</td>
<td>RA 4320</td>
</tr>
<tr>
<td>PITTSSBURGH 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>STRAN-STEEL DIV. GREAT LAKES STEEL CORP.</td>
<td>C. J. Bradley</td>
<td>3750 Penobscot Bldg. (26)</td>
<td>RA 6540</td>
</tr>
<tr>
<td>TREMCO MANUFACTURING CO.</td>
<td>H. C. Black</td>
<td>416 Stephenson Bldg. (2)</td>
<td>MA 3459</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 Schaefer Hy. (27)</td>
<td>HO 1741</td>
</tr>
<tr>
<td>VERMONT MARBLE CO.</td>
<td>Chester A. Smith</td>
<td>9045 Livernois Ave. (4)</td>
<td>HO 7345</td>
</tr>
<tr>
<td>WESTINGHOUSE ELECTRIC &amp; MFG. CO.</td>
<td>G. A. O'Keefe</td>
<td>5757 Trumball Ave. (8)</td>
<td>TR 2-7010</td>
</tr>
<tr>
<td>J. A. ZURN MANUFACTURING COMPANY</td>
<td>W. F. Mulcahey</td>
<td>403 Donovan Bldg. (1)</td>
<td></td>
</tr>
</tbody>
</table>

**March 15, 1946**
Concrete meets unusual service requirements

Concrete saved time, labor and materials in constructing an urgently needed special purpose engineering shops building for the Army Air Force. The adaptability of concrete to any structural form simplified construction and met unusual design requirements with economy.

Adaptability of concrete is equally valuable for postwar construction, wherever low first cost, firesafety, strength, durability and low annual cost are desired.

Our technical staff will gladly assist engineers and architects in developing maximum structural advantages of concrete. Technical literature free in U.S. and Canada. See Sweet's Catalog 4F/3.

PORTLAND CEMENT ASSOCIATION


A national organization to improve and extend the uses of concrete ... through scientific research and engineering field work.
Two views of Baha'i Temple, House of Worship of a World Faith, at Wilmette, Illinois. Architect; Louis Bourgeois. It was built 1921 to 1938, several years work remain to complete the interior. Exterior ornament has been executed in a mixture of white cement and ground quartz.
F. H. MARTIN
CONSTRUCTION CO.

955 EAST JEFFERSON AVENUE
DETROIT 7, MICHIGAN

Beautify Your Walls with SPRED
the Easy-to-Use Wall Paint in
Colors Preferred 3 to 1*
by Leading Decorators

Extra Durable and Washable. One coat covers most surfaces.
Dries in 30 minutes. No "painty" odor. One gallon does an
average 10 by 14 room. Mixes with water. 11 beautiful colors.

*In a national opinion poll on water-mix wall paint colors.

A GLIDDEN Time-Tested Wall Paint
THE GLIDDEN COMPANY
FEDERAL SPECIFICATIONS RIGIDLY ADHERED TO

7502 WOODWARD AVENUE
DETROIT, MICHIGAN
NATIONAL HEADQUARTERS:
CLEVELAND, OHIO
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

PETOSKEY PORTLAND CEMENT COMPANY

PETOSKEY MILWAUKEE DETROIT CHICAGO

Portable Chemical Dehydrators
Automatically controlled, using flake calcium chloride for controlling humidity and for preventing dampness in:
Basement recreation rooms, offices, libraries, storage rooms, fur storage vaults, unheated buildings, etc.
Prices $100.00 to $500.00

Manufactured and sold by
H. J. KAUFMAN COMPANY
13215 Roselawn Ave. Detroit 4, Michigan

WE HOPE when times Return to Normal again that we will be able to serve you as Faithfully as we did in the Past.

CURRIER LUMBER CO.
3 YARDS
17507 Van Dyke TW. 1-2100
8951 Schaefer HO. 1200
201 E. Lincoln EL. 6280
Royal Oak

Martin HOFFMAN Company
Manufacturers of
METALON
THE METALLIZED BUILDING UNIT

ARCHITECTURAL PORCELAIN ENAMEL AND STAINLESS STEEL ON CONCRETE

16580 Savoie Blvd. DETROIT 19, MICHIGAN

J. LIVINGSTON & COMPANY
Incorporated
Electrical Construction

POWER PLANTS - INDUSTRIAL - MARINE
136 DUFFIELD AVE., DETROIT 1

ESTABLISHED DIVISIONS
BOSTON — CHICAGO — NEW YORK — WASHINGTON — HARTFORD

MARCH 15, 1946
"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 COMPANY
- CARO STATE HOSPITAL
- CITY PATTERN FOUNDRY & MACHINE CO.
- COPERNICUS HIGH SCHOOL
- CHURCH OF RESURRECTION, Lansing
- DURABLE LAUNDRY CO.
- EASTERN MARKET SAUSAGE CO.
- FEDERAL DEPARTMENT STORES
- FORDSON FACTORY LUNCH CO.
- GELATIN PRODUCTS COMPANY
- HARPER THEATRE
- JENNINGS HOSPITAL
- MERCY COLLEGE
- PETER PAN BAKERIES, INC.
- WAYNE CREAMERY COMPANY
- U. S. NAVAL AIR BASE, Grosse Ile.

For the last several years, Mr. Walter Cytacki, 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.

ESTABLISHED 1928

ENTERPRISE HEAT & POWER COMPANY

Distributors of Michigan Fuel Oils, Industrial and Domestic Oil Burning Equipment

NEW LOCATION

9127 CONANT Avenue

TRinity 1-9019 and TRinity 1-9009

Detroit 12, Michigan

ALLIED STEEL & CONVEYORS, INC.

Contractors

. . . for . . .

MISCELLANEOUS IRON

17333 Healy Ave.

DEtroit 12, MICHIGAN

HEINEMAN-LOVETT & CO.

Waterproofing Engineers & Contractors

5327 Tireman Ave.

Detroit 4, Mich.

TELEPHONE Tyler 6-1225-6-7-8

HI-TEX

For above grade

IRONBOND

For below grade
MODELS of LUTHERAN CHURCH

Lavern James Nelsen, A.I.A. is the architect.

The T-shaped building provides space for meeting rooms adjoining narthex. Central tower houses carillon.
Revised Schedule of Unit Costs Based on Cubical Contents of Buildings
Produced and distributed by DETROIT REAL ESTATE BOARD, 1980 Penobscot Bldg., Detroit, Mich.
(Copyright, 1946, 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 January 1st, 1946 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 1-3 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 judgement of the user.

Since 1915, the 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 31 years.

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 1/4 x 8", 5 x 8", 5 x 12" and especially in the 8 x 16" 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 MADison 2181

WEIGHTLY BULLETIN
<table>
<thead>
<tr>
<th>Company Name</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Allied Steel &amp; Conveyors, Inc.</td>
<td>96</td>
</tr>
<tr>
<td>Aluminum &amp; Arch. Metals Co.</td>
<td>97</td>
</tr>
<tr>
<td>American Incinerator Corp.</td>
<td>102</td>
</tr>
<tr>
<td>American Radiator &amp; Standard Sanitary Corp.</td>
<td>7</td>
</tr>
<tr>
<td>American Refrigerating Co.</td>
<td>86</td>
</tr>
<tr>
<td>Anderson, E. J.</td>
<td>108</td>
</tr>
<tr>
<td>Anderson, W. H., Inc.</td>
<td>111</td>
</tr>
<tr>
<td>Art School</td>
<td>111</td>
</tr>
<tr>
<td>Associated General Contractors</td>
<td>11</td>
</tr>
<tr>
<td>Detroit Chapter, Inc.</td>
<td></td>
</tr>
<tr>
<td>Austin The Painter</td>
<td>54</td>
</tr>
<tr>
<td>Bartos-Malow Co.</td>
<td>4</td>
</tr>
<tr>
<td>Belden-Stark Brick Co.</td>
<td>58 &amp; 110</td>
</tr>
<tr>
<td>Braun Lumber Corp.</td>
<td>62 &amp; 110</td>
</tr>
<tr>
<td>Brede &amp; Schroeter, Inc.</td>
<td>99</td>
</tr>
<tr>
<td>Bredie, J., &amp; Sons, Inc.</td>
<td>100</td>
</tr>
<tr>
<td>Brooker Engineering Co.</td>
<td>105</td>
</tr>
<tr>
<td>Bryant &amp; Detwiler Co.</td>
<td>22</td>
</tr>
<tr>
<td>Building Accessories Co.</td>
<td>46</td>
</tr>
<tr>
<td>Burke, O. W. Co.</td>
<td>40-41 &amp; 110</td>
</tr>
<tr>
<td>Busch, John D., &amp; Sons, Inc.</td>
<td>101</td>
</tr>
<tr>
<td>Cadillac Glass Co.</td>
<td></td>
</tr>
<tr>
<td>Campbell Construction Company</td>
<td>76</td>
</tr>
<tr>
<td>Candler, J. D., Roofing Co.</td>
<td>86</td>
</tr>
<tr>
<td>Carneghi, Joseph P.</td>
<td>104</td>
</tr>
<tr>
<td>Century Brick Co.</td>
<td>80</td>
</tr>
<tr>
<td>Chrysler &amp; Koppin Co.</td>
<td>103</td>
</tr>
<tr>
<td>Crawford Door Co.</td>
<td>72</td>
</tr>
<tr>
<td>Cinder Block, Inc.</td>
<td>14 &amp; 110</td>
</tr>
<tr>
<td>Coburn, John S.</td>
<td>82</td>
</tr>
<tr>
<td>Concrete Steel Fireproofing Co.</td>
<td>100</td>
</tr>
<tr>
<td>Coon-Devisser Co.</td>
<td>97</td>
</tr>
<tr>
<td>Couse &amp; Westphal</td>
<td>58 &amp; 110</td>
</tr>
<tr>
<td>Covy Bay W.</td>
<td>100</td>
</tr>
<tr>
<td>Curries, The Thomas E. Co.</td>
<td>86</td>
</tr>
<tr>
<td>Currier Lumber Co.</td>
<td>91</td>
</tr>
<tr>
<td>Curtis Dealers</td>
<td>62</td>
</tr>
<tr>
<td>Daley, R. E., &amp; Co.</td>
<td>64</td>
</tr>
<tr>
<td>Darin &amp; Armstrong, Inc.</td>
<td>13 &amp; 110</td>
</tr>
<tr>
<td>Degnan, James E., Co.</td>
<td>105</td>
</tr>
<tr>
<td>Deppmann, R. L., Co.</td>
<td>99</td>
</tr>
<tr>
<td>Deslauriers Coll. Mould Co., Inc.</td>
<td>105</td>
</tr>
<tr>
<td>Dickinson, H. H., Co.</td>
<td>110</td>
</tr>
<tr>
<td>Dodge, F. W., Corp.</td>
<td>193</td>
</tr>
<tr>
<td>Detroit Bank, The</td>
<td>7</td>
</tr>
<tr>
<td>Detroit Common Brick Migrs. Ass'n</td>
<td>109</td>
</tr>
<tr>
<td>Detroit District Raill Lumber Dealers Ass'n</td>
<td>12</td>
</tr>
<tr>
<td>Detroit Edison Co., The</td>
<td>20</td>
</tr>
<tr>
<td>Detroit Institute of Tech.</td>
<td>111</td>
</tr>
<tr>
<td>Detroit Steel Products Co.</td>
<td>1</td>
</tr>
<tr>
<td>Detroit Underpinning Co.</td>
<td>112</td>
</tr>
<tr>
<td>Dunn Blue Print Co.</td>
<td>111</td>
</tr>
<tr>
<td>Eames &amp; Brown</td>
<td>100</td>
</tr>
<tr>
<td>Enterprise Heat &amp; Power Co.</td>
<td>92</td>
</tr>
<tr>
<td>Esallenger-Misch Co.</td>
<td>110</td>
</tr>
<tr>
<td>File-Pearce Co.</td>
<td>97</td>
</tr>
<tr>
<td>Fireside Printing Co.</td>
<td>83</td>
</tr>
<tr>
<td>Fisher Wall Paper Co.</td>
<td>111</td>
</tr>
<tr>
<td>Fleischman, Arthur Co.</td>
<td>102</td>
</tr>
<tr>
<td>Flintho Co.</td>
<td>42</td>
</tr>
<tr>
<td>Fox Theatre</td>
<td>110</td>
</tr>
<tr>
<td>Frazer Paint Co.</td>
<td>101</td>
</tr>
<tr>
<td>Freeman, John H.</td>
<td>111</td>
</tr>
<tr>
<td>Glenn &amp; Killion Co.</td>
<td>110</td>
</tr>
<tr>
<td>Glidden, The Co.</td>
<td>90</td>
</tr>
<tr>
<td>Gibraltar Floors, Inc.</td>
<td>111</td>
</tr>
<tr>
<td>Great Lakes Steel Corp.</td>
<td>4th cover</td>
</tr>
<tr>
<td>Great Northern Engineering Co.</td>
<td>110</td>
</tr>
<tr>
<td>Great Northern Insurance Co.</td>
<td>110</td>
</tr>
<tr>
<td>Green, John E.</td>
<td>97</td>
</tr>
<tr>
<td>Hanley Company</td>
<td>110</td>
</tr>
<tr>
<td>Hanno, Zabriskie &amp; Daron</td>
<td>98</td>
</tr>
<tr>
<td>Harry, R. V., Co.</td>
<td>98</td>
</tr>
<tr>
<td>Hauserman, The E. F. Co.</td>
<td>3rd cover</td>
</tr>
<tr>
<td>Heiseman &amp; Lovett Co.</td>
<td>92</td>
</tr>
<tr>
<td>Hiley, R. D., Inc.</td>
<td>101</td>
</tr>
<tr>
<td>Horn Fuel &amp; Supply Co.</td>
<td>14</td>
</tr>
<tr>
<td>Horn Lumber Co., Inc.</td>
<td>14</td>
</tr>
<tr>
<td>Hudson, J. L. Co.</td>
<td>8</td>
</tr>
<tr>
<td>Huron Portland Cement Co.</td>
<td>17</td>
</tr>
<tr>
<td>Hutton, Robert &amp; Co.</td>
<td>98</td>
</tr>
<tr>
<td>James &amp; Roach</td>
<td>28</td>
</tr>
<tr>
<td>Johns-Mansville</td>
<td>107</td>
</tr>
<tr>
<td>Johnson Service Co.</td>
<td>82</td>
</tr>
<tr>
<td>Kaufman, H. J., Co.</td>
<td>91</td>
</tr>
<tr>
<td>Kimmell &amp; Wilson, Inc.</td>
<td>102</td>
</tr>
<tr>
<td>Koenig &amp; Co.</td>
<td>110</td>
</tr>
<tr>
<td>Kuhne-Simmons Construction Ass'n</td>
<td>70</td>
</tr>
<tr>
<td>Kutsche, A. W., &amp; Co.</td>
<td>84</td>
</tr>
<tr>
<td>Lathrop-Hoge Construction Co.</td>
<td>44</td>
</tr>
<tr>
<td>Leggette, B. E., Co.</td>
<td>36</td>
</tr>
<tr>
<td>Libbey-Owens Ford Glass Co.</td>
<td>9</td>
</tr>
<tr>
<td>Livingston, J., &amp; Co.</td>
<td>91</td>
</tr>
<tr>
<td>Losne Plumbing &amp; Heating Co., Inc.</td>
<td>82</td>
</tr>
<tr>
<td>Lowrie Lumber Co.</td>
<td>62</td>
</tr>
<tr>
<td>Lowrie &amp; Webb Lumber Co.</td>
<td>62</td>
</tr>
<tr>
<td>Lyle, Harry W., Co.</td>
<td>100</td>
</tr>
<tr>
<td>Mahon, The R. C., Co.</td>
<td>52</td>
</tr>
<tr>
<td>Marilite</td>
<td>110</td>
</tr>
<tr>
<td>Marsh Wall Products, Inc.</td>
<td>26</td>
</tr>
<tr>
<td>Martin, F. H., Construction Co.</td>
<td>90 &amp; 110</td>
</tr>
<tr>
<td>Martin-Hoffman Co.</td>
<td>91</td>
</tr>
<tr>
<td>Master Builders, The Co.</td>
<td>84</td>
</tr>
<tr>
<td>Miller, The Donald</td>
<td>74</td>
</tr>
<tr>
<td>Maul &amp; Co.</td>
<td>100</td>
</tr>
<tr>
<td>Mechanical Heat &amp; Cold, Inc.</td>
<td>106</td>
</tr>
<tr>
<td>Meier Cut Stone Works</td>
<td>74</td>
</tr>
<tr>
<td>Michigan Bell Telephone Co.</td>
<td>72</td>
</tr>
<tr>
<td>Minneapolis-Honeywell Reg. Co.</td>
<td>3</td>
</tr>
<tr>
<td>Morgan, C. Stanley</td>
<td>100</td>
</tr>
<tr>
<td>Maynahan Metals Co.</td>
<td>78 &amp; 111</td>
</tr>
<tr>
<td>Mueller Brass Co.</td>
<td>6</td>
</tr>
<tr>
<td>National Bank of Detroit</td>
<td>18</td>
</tr>
<tr>
<td>National Fireproofing Corp.</td>
<td>94</td>
</tr>
<tr>
<td>Nelson Co.</td>
<td>38 &amp; 110</td>
</tr>
<tr>
<td>Norge Div. Borg-Warner</td>
<td>15</td>
</tr>
<tr>
<td>O'Dell, George A., Inc.</td>
<td>107</td>
</tr>
<tr>
<td>O &amp; O Blue Print &amp; Supply Co.</td>
<td>110</td>
</tr>
<tr>
<td>O'Toole, F. J., Co.</td>
<td>82</td>
</tr>
<tr>
<td>Fagels, Inc.</td>
<td>101</td>
</tr>
<tr>
<td>Parsons, The Co.</td>
<td>28</td>
</tr>
<tr>
<td>Petoskey Portland Cement Co.</td>
<td>91</td>
</tr>
<tr>
<td>Pittsburgh Plate Glass Co.</td>
<td>44</td>
</tr>
<tr>
<td>Plastic Products Co.</td>
<td>111</td>
</tr>
<tr>
<td>Portland Cement Association</td>
<td>88</td>
</tr>
<tr>
<td>Punch &amp; Judy Theatre</td>
<td>110</td>
</tr>
<tr>
<td>Rayl Company</td>
<td>68</td>
</tr>
<tr>
<td>Raymond Concrete Pile Co.</td>
<td>102</td>
</tr>
<tr>
<td>Restrick Lumber Co.</td>
<td>62 &amp; 110</td>
</tr>
<tr>
<td>Revere Copper &amp; Brass, Inc.</td>
<td>5</td>
</tr>
<tr>
<td>Robertson, H. H., Co.</td>
<td>104</td>
</tr>
<tr>
<td>Robinson, Robbie Co.</td>
<td>42</td>
</tr>
<tr>
<td>Rogers, Charles J.</td>
<td>108</td>
</tr>
<tr>
<td>Rohn Fireproofing Co.</td>
<td>104</td>
</tr>
<tr>
<td>Ruberoid, The Co.</td>
<td>24</td>
</tr>
<tr>
<td>Sales, Murray W., &amp; Co.</td>
<td>46 &amp; 110</td>
</tr>
<tr>
<td>Sherwin-Williams Co.</td>
<td>99</td>
</tr>
<tr>
<td>Sibley Lumber Co.</td>
<td>110</td>
</tr>
<tr>
<td>Smith &amp; Bowen Fireproofing Co.</td>
<td>108</td>
</tr>
<tr>
<td>Smith-Orr Co.</td>
<td>84</td>
</tr>
<tr>
<td>Spencer Turbine Co.</td>
<td>100</td>
</tr>
<tr>
<td>Spitalney, R. L., Co.</td>
<td>104</td>
</tr>
<tr>
<td>Stevens, Frederic B.</td>
<td>110</td>
</tr>
<tr>
<td>Stran-Steel Div. Great Lakes Steel</td>
<td>4th cover</td>
</tr>
<tr>
<td>Superior Sash &amp; Door Co.</td>
<td>44</td>
</tr>
<tr>
<td>Talbot &amp; Meier, Inc.</td>
<td>108</td>
</tr>
<tr>
<td>Taylor &amp; Gaasink, Inc.</td>
<td>32</td>
</tr>
<tr>
<td>Thomas Brick &amp; Tile Co.</td>
<td>86</td>
</tr>
<tr>
<td>Tilt-A-Door Corp.</td>
<td>10</td>
</tr>
<tr>
<td>Toledo Plate &amp; Window Glass Co.</td>
<td>111</td>
</tr>
<tr>
<td>Trans, The Co.</td>
<td>86</td>
</tr>
<tr>
<td>Tri-Part Mfg. Co.</td>
<td>36</td>
</tr>
<tr>
<td>Truscun Steel Co.</td>
<td>56 &amp; 57</td>
</tr>
<tr>
<td>Turner-Brooks, Inc.</td>
<td>60 &amp; 110</td>
</tr>
<tr>
<td>Turner Engineering Co.</td>
<td>16</td>
</tr>
<tr>
<td>United Savings Bank</td>
<td>103</td>
</tr>
<tr>
<td>U. S. Gypsum Co.</td>
<td>34</td>
</tr>
<tr>
<td>U. S. Radiator Corp.</td>
<td>26</td>
</tr>
<tr>
<td>Universal Zonolite Co.</td>
<td>106</td>
</tr>
<tr>
<td>Utey, J. A., Co.</td>
<td>48</td>
</tr>
<tr>
<td>VanSile, Emil Co.</td>
<td>109</td>
</tr>
<tr>
<td>Viking Sprinkler Co.</td>
<td>110</td>
</tr>
<tr>
<td>Walbridge, Aldinger Co.</td>
<td>50</td>
</tr>
<tr>
<td>Warren Fibre Products Co.</td>
<td>111</td>
</tr>
<tr>
<td>Western &amp; Southern Life Ins. Co.</td>
<td>99</td>
</tr>
<tr>
<td>Western Waterproofing Co.</td>
<td>103</td>
</tr>
<tr>
<td>Westover-Kumm Co.</td>
<td>98</td>
</tr>
<tr>
<td>Whitcombe-Bauer Flooring, Inc.</td>
<td>66</td>
</tr>
<tr>
<td>Whitehead &amp; Kales</td>
<td>66</td>
</tr>
<tr>
<td>Wire &amp; Iron Products, Inc.</td>
<td>112</td>
</tr>
<tr>
<td>Wolverine Porcelain Enameling Co.</td>
<td>17</td>
</tr>
<tr>
<td>Wood, Gar Industries, Inc.</td>
<td>2nd cover</td>
</tr>
<tr>
<td>Wood, W. E., Company</td>
<td>30</td>
</tr>
</tbody>
</table>
MISCELLANEOUS
and
ORNAMENTAL IRON

* * *
Aluminum & Bronze
Steel Stairs

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

FIFE-PEARCE
ELECTRIC COMPANY
Electrical Contractors
1446 Gratiot Ave. Detroit 7, Michigan
Cadillac 1832

JOHN E. GREEN
President
E. J. GREEN
Vice-President-Secretary

JOHN E. GREEN CO.
INCORPORATED
Established 1909

PLUMBING, HEATING AND
AIR CONDITIONING
TO. 8-5298 11820 BRUSH STREET TO. 8-5299

THE COON-DEVISSE COMPANY
Lafayette 6000

Distributors of Quality
POWER PLANT EQUIPMENT
Fans - Unit Heaters - Air Washers - Pumps -
Ash Handling Systems - Flow Meters - Boiler
Feed Regulators - Hot Water Heaters - Air
Compressors - Steel Heating Boilers - Vacuum
Heating Pumps - Heating Systems with Zone
Controls - Heating Specialties - Automatic Sol-
onoid Valves - Float Valves - Liquid Meters -
Insulation Products - Air Filters - Stokers -
Steam Traps - Jet Apparatus - Regulators - Re-
corders - Welding Fittings - Valves of all Types.
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 TIREMAN AVE. TYLER 6-7670
DETROIT 4, MICH.

SPECIALISTS IN CEMENT-GUN WORK FOR 24 YEARS

"Woodworkers For 56 Years"

To the thousands of building owners the name Wesfover-Kamm means the finest in woodwork.

To architects it means prompt, efficient co-operation from an organization which has a practical understanding of their requirements.

WESTOVER KAMM. CO.
BAY CITY, MICH.

ROOFING AND SHEET METAL WORK

ROBERT HUTTON & COMPANY

ROOFING AND SHEET METAL CONTRACTORS

622 FORT STREET EAST RANDOLPH 1073
DETROIT 26, MICH.

For Over 60 Years Detroit's Quality Roofers

Let Us Help You With Your Door Problems. Engineering Advice and Layouts Given Without Obligation

CONCRETE X-RAY DOORS A SPECIALTY

R. V. HARTY CO.
1433 SLOMAN AVENUE DETROIT 11, MICH.

Telephone TOWNSEND 8-6990
R. L. DEPPMANN COMPANY

Distributors

BARBER-COLMAN
TEMPERATURE CONTROL SYSTEMS
"UNIFLO" GRILLES & REGISTERS

BELL & GOSSETT
HOT WATER HEATING SYSTEMS
INDUSTRIAL PUMPS & HEAT EXCHANGERS

5853 HAMILTON AVE.

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

THE SHERWIN-WILLIAMS COMPANY

SIX DETROIT BRANCHES

2036 Woodward Avenue
12927 East Jefferson Ave.
14212 Gratiot Avenue
14495 Grand River Avenue
9341 Grand River Avenue
14236 Michigan Avenue,
Dearborn

You Are Sure of Quality and the Satisfaction of Your Clients When You Specify—

SHERWIN-WILLIAMS PAINTS

MARCH 15, 1946
REGISTERED PROFESSIONAL ENGINEER
RAY W. COVEY
REGISTERED STRUCTURAL ENGINEER
STRUCTURAL ENGINEERING SERVICE
Capable and Dependable
828 Michigan Building
Detroit 26, Michigan
CADillac 6143

Pontiac 7195

EAMES and BROWN
Plumbing and Heating Contractors
55 EAST PIKE ST.
PONTIAC, MICHIGAN

C. STANLEY MORGAN
Manufacturers of
ASBESTOS PRODUCTS
PIPE COVERINGS
HEAT and FROST
INSULATION
CADILLAC 6446

Maul Macotta Corporation
MANUFACTURERS OF
MACOTTA
"Ask Any Architect"
TRADE MARK REGISTERED
NON-FERROUS METALS
STAINLESS STEEL—PORCELAIN ENAMEL
COMBINED WITH LIGHTWEIGHT CONCRETE
1640 E. Hancock Ave.
Detroit 7, Mich.
Telephone TEmple 2-5628

Specify —
SPENCER CENTRAL CLEANING SYSTEMS
FOR SCHOOLS, THEATRES, HOTELS, OFFICE BUILDINGS, CLUBS, ETC.
Cell us to assist you in providing proper piping layouts.

SPENCER TURBINE COMPANY
4720 Joy Road
Detroit 4, Mich.
TY. 5-3975
R. B. RICHARDSON, Dist. Sales Agt.

If It Uses Air—
Use AIR-MAZE

Engineered Air Filtration
Since 1925
Distributed By
HARRY W. LUTZ CO.
6511 Lincoln Ave.
Detroit 2, Michigan

J. Brodie & Sons, Inc.
1329 East Fort Street
Detroit 7, Michigan

VENTILATION
AIR CONDITIONING
ENGINEERS
CONTRACTORS

CONCRETE STEEL
FIREPROOFING CO.
Steel Building Products
1322 Michigan Building, Detroit 26, Michigan
CADILLAC 6146
PAGEL'S INCORPORATED

Photo Engravers

641 Monroe Avenue
CADillac 0472-9239

R. H. HIDEY, INC.

Contracting Engineers

General Building and Engineering Construction

260 Manchester
DETOIT 3, MICHIGAN

FRAZER PAINT CO.
MANUFACTURERS

2475 HUBBARD
2 BLOCKS NORTH OF W. VERNOR HIGHWAY

FRANZ D. BUSCH & SONS, Inc.

Manufacturers Of

Peerless Skylights and Howie Fire Doors

ROOFING AND SHEET METAL CONTRACTORS

RANDOLPH 7889-7890
639 EAST FORT STREET
KIMBALL & WILSON, INC.
WHOLESALE SASH AND DOORS
MORGAN AUTHENTIC WOODWORK
ANDERSEN WINDOW UNITS
DETOIT 3, MICHIGAN
2127 Fenkell Ave. University 1-3480

American Incinerator Corp.
(Formerly Detroit Incinerator Corp.)
ANNOUNCING
Manufacturers of full line of incinerators for Residences, Apartments, Hospitals, Institutions, Industrial and Municipal Buildings
Call or Write
20216 John R. St., Detroit 3, Michigan
PHONE TO. 6-5436

RAYMON
Concrete Pile Company
TEST BORINGS
SOIL INVESTIGATIONS
WOOD, STEEL and CONCRETE CAISSONS
UNDERPINNING
417 New Center Building
Trinity 4-3590

Carpets-Linoleum
ALL MAKES
BAK-O-MET TIE
ASPHALT TILE - VENETIAN BLIND LINO WALL - RUBBER TILE - MASTIP
Inlaid, Battleship, Lino Tile, Cork Tile and A
We Buy Direct from the Mills at a LOWER COST
Business is managed and directed by floor-covering
No Job Too Large or Too Small
CONTRACT - RETAIL OPEN EVC
ARTHUR FLEISCHMAN CO.
1/2 Mile E. of City Airport—12585 Grand
25,000 Square Feet of Floor Space
AR. 1200
WESTERN WATERPROOFING COMPANY
WATERPROOFING CONTRACTORS & ENGINEERS
Ironite — For Below Grade Work
Resto-Crete — For Above Grade Work
28TH YEAR OF CONTINUOUS SERVICE
FRANCIS C. BAGBY — WM. F. SEELEY — B. H. STUCK

CHRYSLER & KOPPIN COMPANY
Manufacturers of
BUILT IN COOLING ROOMS AND PORTABLE REFRIGERATORS FOR EVERY PURPOSE
Custom Built to Fit the Spaces Available
2645 Warren Avenue, WestTyler 6-6100 DETROIT 8, MICHIGAN

COMPLETE MORTGAGE SERVICE...

For the Past 43 Years

UNITED SAVINGS BANK
1133 GRISWOLD STREET — DETROIT
A BANK FOR SAVINGS SINCE 1902

MARCH 15, 1946
• Robertson Steel "Q" Floors
• Insulated Steel "Q" Wall panels and Fire Partitions
• Protected Metal Roofing and Siding
• Corrugated Glass Skylights and Sash
• Long Span Steel Roof Decks
• Ventilators — power, gravity and streamlined
• Protective Asphalt Coatings
• Hubbellite Cement Floor

H. H. ROBERTSON COMPANY
635 NEW CENTER BUILDING
DETROIT

Walter Nichols, District Manager

R. L. SPITZLEY HEATING CO.
Plumbing . . . Heating
Industrial Piping

1200 Fort Street West
DETROIT 26, MICHIGAN

Telephone CADillac 0840

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

W. H. ROBERTSON COMPANY
H. H. ROBERTSON COMPANY
635 NEW CENTER BUILDING
DETROIT

JOSEPH P. CARNAGHI
Excavating and Trucking Contractor

3834 MITCHELL AVENUE
DETROIT

3834 MITCHELL AVENUE
DETROIT

Walter Nichols, District Manager

JOSEPH P. CARNAGHI
Excavating and Trucking Contractor

3834 MITCHELL AVENUE
DETROIT

3834 MITCHELL AVENUE
DETROIT
BROOKER ENGINEERING COMPANY

Electrical Contractors

CHAerry 9696

962 EAST CONGRESS STREET DETROIT 7, MICHIGAN

James E. Degan Company

Distributors Nationally Known Products

ALBERGER HEATERS AND ECONOMIZERS
MANNING MAXWELL & MOORE — GAUGES AND INSTRUMENTS
BOYLSTON PRESSURE REGULATING VALVES
ELGER PLUMBING FIXTURES
HANCOCK VALVES
HOWARD EXPANSION JOINTS
BRIGGS BEAUTYWARE PLUMBING FIXTURES
REPUBLIC STEEL PIPE
WALWORTH VALVES AND FITTINGS
CARRIER UNIT HEATERS

Wholesale Plumbing and Heating Supplies - Power Plant Equipment

STEAM SPECIALTIES

2130-2150 FRANKLIN STREET FITZROY 5960

MARCH 15, 1946
DesLAURIERS
COLUMN MOULD
COMPANY, INC.

Formerly
DESLAURIERS METAL PRODUCTS CO.

Round Column Forms for
Concrete Construction

Main Office and Factory:
7722 JOY ROAD
DETROIT 4, MICHIGAN

WESTINGHOUSE
AIR CONDITIONING

MECHANICAL HEAT & COLD, Inc.
Engineering Contractors

Air Conditioning  Industrial Refrigeration
Air Cleaning  Humidity Regulation
Automatic Heating Equipment

25 YEARS OF CONTINUOUS SERVICE

TO. 8-9600
12320 HAMILTON

INSULATION Simplified
WITH 3 FORMS OF ZONOLITE

HOME INSULATION
Zonolite Granular Fill is naturally permanent. 100% mineral: fire-proof, rot-proof, vermin-proof, moisture-resistant. Fast, easy installation ... packs as it pours ... no nailing ... no cutting ... no fitting ... no waste. Extremely high thermal efficiency. Valuable on attic floors as protective barrier to downward spread of fire bombs.

INSULATING PLASTER
Zonolite All-Purpose Plaster Aggregate is clean and easy to mix and apply ... 12½ times lighter than sand, with 5 times more insulating value. Non-freezing ... crack-resistant ... readily nailable.

INSULATING CONCRETE
When used with portland cement, Zonolite Concrete Aggregate combines permanence, extreme light weight—and insulation! Ideal for roof and floor fill; roof decks, cantilevers, floors for livestock and poultry. Undamaged by moisture; absolutely fire-proof.

No “Priorities” on ZONOLITE. Write for free descriptive literature.

UNIVERSAL ZONOLITE INSULATION COMPANY
Plants in Principal Cities
Detroit Office
12345 Schaefer Highway

WEEKLY BULLETIN
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

GEORGE A. ODIEN, Inc.

Contractors

UNDERGROUND CONSTRUCTION

1935 McGRAW AVENUE

DETROIT 8, MICHIGAN

MARCH 15, 1946
TALBOT & MEIER, INC.
General Builders

1000 Larchwood Avenue
Townsend, 8-3315
DETROIT 3, MICH.

SMITH and BOWEN FIREPROOFING CO.
832 Michigan Building
Detroit 26, Michigan

Gypsum, Hollow Tile, Cinder Block,
Glazed Tile and Terra Cotta Partitions,
Beam, Girder and Column Fireproofing, Flat
Arch Tile Floor and Roof Construction,
Pre-Cast Gypsum Roofs and Ceilings,
Gypsum Plank Floors and Roofs

FURNISHED AND ERECTED COMPLETE

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
TRinity 2-7085

Charles J. Rogers
Excavating Contractors

14651 FORRER AVENUE
VERmont 6-2160
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 at pre-war prices—without delay.

CADILLAC GLASS CO.
LENOX 4940 2570 HART AVENUE DETROIT

DETROIT COMMON BRICK MANUFACTURERS ASS’N.

HAGGERTY BRICK CO.
10450 Michigan Avenue DEARBORN, MICH.

DANIEL BRICK CO.
Wyoming, south of Michigan, DEARBORN, MICH.

JOHN A. MERCIER BRICK CO.
3895 Roulo Avenue DEARBORN, MICH.

CLIPPERT BRICK CO.
Wyoming & Southern Avenue, DEARBORN, MICH.

MARCH 15, 1946
Day and Evening Courses in Engineering and Chemistry
Spring Courses Start February 4
DETOUR INSTITUTE OF TECHNOLOGY
303 Downtown Y.M.C.A. Bldg., Detroit

BEAUTIFUL INTERIORS are created with wall paper furnished by 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 & LOCAL BRANCHES IN DETROIT "Ask Your Decorator" He will tell you that Fisher Wall Paper Co. are Michigan's largest wall paper distributors.

The Toledo Plate & Window Glass Co.
Glass Jobbers & Glazing Contractors
Distributors of WEAVER-WALL Asphalt Shingles and ASBESTOS LTD. Asbestos Siding Warehouses.
Detroit Grand Rapids Cleveland Toledo

STANDARD COTTON INSULATION
- Moisture Proof
- Best at Lowest Cost
- Greater Heat Resistance
- Vermin Proof
Tests Prove Greater Efficiency of Cotton Warren Fibre Products Co. 14290 Meyers Road Detroit 27, Michigan Telephone HOGarth 5675

GIBRALTAR FLOORS INC.
48 State Fair Avenue West
Detroit, Mich.
Telephone TOWNSEND 8-0044

GIBRALTAR ALL PURPOSE CONCRETE
"The all-purpose ready mixed dry concrete"—a scientifically prepared mixture of dehydrated sand and gravel with cement to obtain the maximum strength.
GIBRALTAR BRICK-SET MORTAR
"SPECIFY GIBRALTAR FLOORS" The NEW Dry Ready Mixed Brick Mortar Contains Everything

MOYNAHAN METALS COMPANY
2658 Porter Street
Detroit 16, Michigan

WITH our many years of experience and newly-acquired craftsmanship resulting from our war contracts, we are in an even better position to serve on peace-time construction now that hostilities have ceased.
• MOVING
• SHORING
• RAISING
• FOUNDATIONS
• UNDERPINNING
• CAISSONS
• PLANT RELOCATION

Write for our free booklet illustrating many unusual services which we offer

DETOIT UNDERPINNING CO.
OFFICE: 4181 OAKMAN
MAIN YARD: CENTRAL AVENUE
DETOIT, MICHIGAN
½ Block from Chicago Blvd.

Machine and Belt Guards  Window Protection
Wire Partitions  Conveyor Hooks
Special Dipping Baskets

We Represent: Stewart-Chain Link & Iron Fences—Sanymetal Toilet Partitions

WIRE AND IRON PRODUCTS INC.
840 CHERRY STREET  DETROIT, MICHIGAN  CHERRY 0840

WEEKLY BULLETIN
Now Ready for You—

the most beautiful, inspiring and practical
partition catalogs ever published . . . .

Every page of these new Hauserman catalogs sparkle with ideas that will help you create building interiors of maximum efficiency, beauty and adaptability. For your convenience there are two books: General Catalog 46 has 32 pages in full color, dramatically illustrating the uses and advantages of Hauserman Movable Steel Partitions. Technical Handbook 46T has 42 pages packed with technical facts that are especially valuable to architects, engineers and building managers in planning new construction or remodeling. It will also answer questions about how Hauserman Movable Steel Partitions are designed, fabricated, erected and serviced. Write for your free copies today.

THE E. F. HAUSERMAN CO.

6857 GRANT AVENUE • • CLEVELAND 5, OHIO

Branches in principal cities

IN PARTITIONS—adaptability—PAYS
FOR A BETTER INVESTMENT FROM THE START...

The initial cost of Stran-Steel framing is low, but additional savings—progressively greater as the years go by—manifest themselves in the form of lower upkeep and maintenance costs.

An efficient, lightweight, all-steel framing method, the Stran-Steel system is truly practical for light-load buildings . . . chiefly by virtue of the patented nailing groove, which permits collateral materials to be nailed directly to framing members. Economy and fast erection are especially evident in apartments and housing projects, but in other structures—such as individual homes, stores and industrial buildings—owners are quick to appreciate the additional Stran-Steel advantages of fire-safety, permanence and uniform quality . . . of freedom from sag, warp and rot.

Investigate this modern framing material. For detailed information, see Sweet's File, Architectural, or Sweet's File for Builders . . . or refer to the January issue of Building Supply News.

GREAT LAKES STEEL CORPORATION
STRAN-STEEL DIVISION • PENOBSCOT BUILDING, DETROIT 26, MICHIGAN
UNIT OF NATIONAL STEEL CORPORATION
for construction materials nor are they in the industry today make contracts of this type almost mandatory. Contractors are neither able to depend upon firm prices for the construction of projects, at the present time.

However, the prospect of completing the program on schedule time is not as remote as may appear on the surface, provided the state assists the building industry in overcoming certain obstacles which are impeding the execution of all construction projects at the present time. 

TYPE OF CONTRACT

First, it is necessary for the state to set aside its long-established policy of awarding fixed-cost contracts for the furnishing of all labor, material, equipment, tools and services for the construction of projects, to the lowest bidder, but rather to award contracts on a cost-plus-a-fixed fee. The fixed fee will include contractor's cost for equipment, tools, administration supervision and other services. Conditions within the industry today make contracts of this type almost mandatory. Contractors are neither able to depend upon firm prices for construction materials nor are they assured of a supply of labor and the stability of wage rates.

For many years construction projects by the state have been conducted on the assumption that the intent of Act No. 35 (P. A. 1921) was that contracts were to be entered into only on a fixed-cost basis after competitive bidding had determined a cost most advantageous to the state.

The Attorney General has recently expressed an opinion that no violation of the Act results by not having fixed the total cost of the project in advance of the awarding of the contract. In other words, the cost of the project will in any case consist of two elements, viz.:

(a) actual net costs of labor and materials, etc., which the contractor must procure at current market prices.

(b) costs of the services, tools and equipment which the contractor furnishes himself.

Since those in category (a) are fixed by economic conditions, the competition among bidders is actually in the (b) costs.

THE RECORDS of this Division reveal that the cost of the Proposed-Post-War-Victory Building Program which will soon be initiated will exceed the total state expenditures for such purposes during the past 15 years and that it will surpass by almost four times the greatest like expenditure ever made in any one year.

The work will have to be completed under conditions without precedent in the building construction industry. There will be proportionately less labor available, particularly of skilled mechanics, to complete the tremendous accumulation of public and private building demands than at any time since World War I. This condition is greatly aggravated by the current serious shortage of building materials.

Secondly, because of the scarcity of materials, it is going to be frequently necessary, in order to expedite every project, to make changes in the materials used, or the methods employed, or even in the design. Such changes in a fixed-cost contract cause confusion and delays and add ed costs. On the cost-plus-fixed-fee basis such changes are perfectly flexible and cause no delay whatever.

VICTORY BUILDING PROGRAM

By A. N. LANGIUS, A.I.A.
Director, Building and Construction Division
State of Michigan

The work will have to be completed under conditions without precedent in the building construction industry. There will be proportionately less labor available, particularly of skilled mechanics, to complete the tremendous accumulation of public and private building demands than at any time since World War I. This condition is greatly aggravated by the current serious shortage of building materials.

However, the prospect of completing the program on schedule time is not as remote as may appear on the surface, provided the state assists the building industry in overcoming certain obstacles which are impeding the execution of all construction projects at the present time.

TYPE OF CONTRACT

First, it is necessary for the state to set aside its long-established policy of awarding fixed-cost contracts for the furnishing of all labor, material, equipment, tools and services for the construction of projects, to the lowest bidder, but rather to award contracts on a cost-plus-a-fixed fee. The fixed fee will include contractor's cost for equipment, tools, administration supervision and other services. Conditions within the industry today make contracts of this type almost mandatory. Contractors are neither able to depend upon firm prices for construction materials nor are they assured of a supply of labor and the stability of wage rates.

For many years construction projects by the state have been conducted on the assumption that the intent of Act No. 35 (P. A. 1921) was that contracts were to be entered into only on a fixed-cost basis after competitive bidding had determined a cost most advantageous to the state.

The Attorney General has recently expressed an opinion that no violation of the Act results by not having fixed the total cost of the project in advance of the awarding of the contract. In other words, the cost of the project will in any case consist of two elements, viz.:

(a) actual net costs of labor and materials, etc., which the contractor must procure at current market prices.

(b) costs of the services, tools and equipment which the contractor furnishes himself.

Since those in category (a) are fixed by economic conditions, the competition among bidders is actually in the (b) costs.

It is the opinion of the Attorney General that a contract based upon costs, plus a fee fixed by competitive bidding is permissible under all existing statutes.

The advantages of thus withdrawing the direct costs (actual net costs of labor and materials, etc.) from the contractor's commitments are many. Particularly at the present time, and most probably for a long period in the future, the availability and costs of materials and of labor are going to be so unpredictable that bidders will be reluctant to commit themselves to a fixed total cost, or are going to bid sufficiently high to protect themselves.

Secondly, because of the scarcity of materials, it is going to be frequently necessary, in order to expedite every project, to make changes in the materials used, or the methods employed, or even in the design. Such changes in a fixed-cost contract cause confusion and delays and added costs. On the cost-plus-fixed-fee basis such changes are perfectly flexible and cause no delay whatever.

(See LANGIUS, Page 4)
CINDER BLOCK INC.
1303 Hubbell Avenue
East Chicago and Joy

MICHIGAN SOCIETY OF ARCHITECTS
O. W. BURKE CO.
GENERAL CONTRACTOR
FISHER BUILDING
Madison 0810
Detroit, Mich.

H. H. Dickinson Co.
COMPLETE BUILDERS SUPPLIES
FISHER BUILDING
Madison 0810
East Chicago and Joy

Koenig Coal & Supply Co.
Certified Concrete
FISHER BUILDING
Madison 0810
East Chicago and Joy

Glanz & Killian Co.
Contractors
PLUMBING — HEATING — VENTILATING
FISHER BUILDING
Madison 0810
East Chicago and Joy

University 2-3413
DARIN and ARMSTRONG
Incorporated
GENERAL CONTRACTORS
2041 FENKELL AVENUE
DETROIT

FISHER BUILDING
Madison 0810
East Chicago and Joy

DARIN and ARMSTRONG
Incorporated
GENERAL CONTRACTORS
2041 FENKELL AVENUE
DETROIT

Punch & Judy Theatre
Kercheval at Fisher Road
Ni. 3819

FRIDAY—SATURDAY MARCH 22-23
Alan Curtis—Martha O'Driscoll
"THE DALTONS RIDE AGAIN"

SUN., MON., TUES. MARCH 24-25-26
Paul Henreid—Maureen O'Hara
"THE SPANISH MAIN"

Murray W. Sales & Co.
Wholesale
Plumbing and Heating Supplies
Flint — DETROIT — Pontiac
601 W. Baltimore MA. 4200

HANLEY COMPANY
E. F. Zerga, Mgr.
FACE BRICK
41465 Schaefer
VE. 7-1200
Detroit 27, Mich.

Air Compressors
Portable
For Rent

60 to 500 cu. ft.—By Day, Week or Month
All Accessories Furnished
W. H. ANDERSON CO., INC.
Detroit, Michigan

T. B. RAYL'S
Wholesale Builders Hardware Dept.
228 Congress St. W. Retail Store, 1149 Griswold

Patronize Our Advertisers!

Cleveland Hardware Co.
Contractors
GREAT NORTHERN ENGINEERING CO.
13107 Grand River Ave., Detroit 27
HO. 0400

Good Hardware for Over 50 Years

Coping, Edge, Moulding

CELOTEX - CELO - BLOCK

COLD STORAGE INSULATION
PIPE and BOILER COVERING

GREAT NORTHERN INSULATING CO.
13105 Grand River Ave., Detroit 27
HO. 2166

ROCKWOOL INSULATION
COMMERCIAL and DOMESTIC

WEEKLY BULLETIN
Choosing up sides for the neighborhood ball game is a critical moment for these captains. Poor Tommy will have to be satisfied with second choice—there just isn’t room for one more. And there isn’t always room for an extra electrical appliance in your home either—if your wiring is inadequate. Almost any of the older homes of today are likely to have too few electrical circuits to carry the many electrical appliances needed in today’s living. The few dollars it costs to modernize your wiring system will bring unlimited convenience and comfort to you. And if you plan on building or buying your own home, be sure there are plenty of outlets, conveniently located and served by enough circuits, properly distributed. Adequate wiring insures good housekeeping, more comfortable living and more convenience for the family.

The Detroit Edison Co.

MARCH 19, 1946
LANGIUS (Continued from Page 1)

A third advantage, and one of particular importance in the Post-War Victory Building Program, is that long delays in bidding will be avoided.

CONSTRUCTION COSTS

The State must be prepared to accept a continued variation, and perhaps upsurge, in costs of construction. The urgent necessity for a building program has been earnestly and convincingly pleaded by the administrations of all state agencies. These pleas have been made on the basis of urgent necessities, and were recognized by legislative appropriations. The program will be executed under abnormal conditions requiring long work weeks and resulting in inordinate costs.

From "A Progress Report on the Recommendations and Appropriations for Capital Additions, Improvements and Repairs," just prepared by this Division, it is apparent that on the basis outlined above, $6 million worth of construction can be got under way within the next 30 days; an additional $15 million within 90 days; the remainder of the program within six months.

The Buildings and Construction Division of the State Administrative Board is in a position to execute such contracts on behalf of the State of Michigan as may be authorized by the Post-War Victory Building Board. It is recommended that the awarding of such contracts be accomplished through the established procedures of the Building Committee of the State Administrative Board.

RALPH W. HAMMETT, A.I.A., of Ann Arbor, has received from the Minister of Education of France the appointment of Officer Academie of France, and bestowal of the Education of France the appointment of Administrative Board. It is recommended that the position to execute such contracts on behalf of the State Administrative Board is in a position within six months.

Inter-Professional Council


Improved professional relations with the public and betterment of inter-professional relations are foremost among the noteworthy objectives of the recently organized Inter-Professional Council, comprised at present of seven leading associations (of Detroit) representing teachers, doctors, dentists, engineers, architects, accountants and lawyers.

More than 16,000 professional men and women in the metropolitan Detroit area are included in the membership of the participating organizations. A Committee of twenty-one, three from each of the seven groups, makes up the executive personnel. William A. Freimuth, chairman of the Detroit Bar Association's Inter-Professional Relations Committee, is president of the Council.

Early last year, the presidents of the following societies: were invited to meet with the Detroit Bar Association's Inter-Professional Relations Committee: Detroit Chapter of American Institute of Architects, Detroit Teachers Association, Detroit District Dental Society, Wayne County Medical Society, Michigan Association of Certified Public Accountants, The Engineering Society of Detroit. Each of the societies represented at the May meeting of last year named representatives to the Inter-Professional Council. Meetings have been held regularly each month with a different society or association acting as host each time.

At the September meeting the objectives of the Council were formally submitted, approved, and adopted as follows:

"This joint professional committee shall be known as the Inter-Professional Council. The objectives shall be to organize and unite in fellowship the members of the following professions constituting the Council and located in the City of Detroit, County of Wayne, and State of Michigan, and known as: The Michigan Association of Certified Public Accountants, Wayne County Medical Society, Detroit District Dental Society, Detroit Chapter of the American Institute of Architects, Detroit Teachers Association, The Engineering Society of Detroit, Detroit Bar Association, and such other professional groups as may become affiliated; to combine their efforts so as to promote and encourage the development of education in the professions and the proper training of persons who desire to become members of the professions and to maintain the highest standards; to encourage cordial intercourse among the members of the professions and to correlate their common interests and activities in the interests of all the professions and the Government; and to make the professions of ever increasing service to the public."

At the October meeting officers were elected and installed. In addition to Mr. Freimuth as president, other officers are: Dr. Willard Mayer, Wayne County Medical Society; Ireet Ferris, Detroit Teachers Association; Dr. Floyd Straith, Detroit District Dental Society.

Three committees of the Council are now functioning. The Legislative Committee with Harold A. Johnson as chairman, is undertaking study of certain pending Senate and House bills now before Congress or in committee, affecting professional groups, for discussion and such action as the Council may direct.

The Public Relations Committee will study methods by which the public may acquire a better understanding of the work and aims of the professions so that the objectives of the Council may be accomplished.

STANDARD COTTON INSULATION

- Moisture Proof
- Best at Lowest Cost
- Greater Heat Resistance
- Vermic Proof

Tests Prove Greater Efficiency of Cotton

The Toledo Plate & Window Glass Co.

Glass Jobbers & Glazing Contractors

Distributors of
WEAVER-WALL Asphalt Shingles and ASBESTOS LTD. Asbestos Siding Warehouses

Detroit, Grand Rapids, Cleveland, Toledo

MOYNAHAN METALS COMPANY

2658 Porter Street
Detroit 16, Michigan

Lafayette 1316

WEEKLY BULLETIN
Building Codes

By F. Gordon Pickell

The Committee on Building Codes has Emil Lorch to thank for the following editorial from the Chicago Tribune of Feb. 19, 1946. It makes a splendid example of why building codes are as they are and the harm they do to the building industry and the supply of needed housing. Architects have seemed indifferent to these vital hindrances to full and free building production. They let them go, as being necessary evils, whereas they are defects in judgment requiring a constant fight to eliminate. The editorial, "To Plaster or Not To Plaster":

"The aldermen considering revision of the building code have got themselves in a swivel over the relative merits of wall board and plaster for interior walls of homes.

The present building code effectively forbids the use of wall board in Chicago. While there are undoubtedly some wall boards that would meet the fire resistance standards set by the code, its use is prevented by another provision that walls must be seamless, which can only be accomplished by the use of plaster. The plastering contractors have an effective organization, and it and the plasterers' union have been active in defending the present monopoly.

"The aldermen seem to be taking the approach that they should be satisfied with the satisfactory character of wall board before they amend the code to permit its use. That's not their business, nor is it their own choice and the aldermen should give it to him."

"The primary defect of the Chicago building code, the defect which makes it a vehicle for rooking the public by monopoly groups of contractors and trade unions, is the inclusion in it of numerous provisions directly or indirectly specifying particular materials when standards should be based on performance. The fire limits to the city should be based on the judgment of the fire department and not be as they are now, to outlaw frame dwellings and make work for masonry contractors. Frame dwellings on 25 and 30 foot lots, which are the curse of Chicago real estate, might be a fire hazard whereas, if properly spaced, they would not be. Either frame or brick, they burn if you start a fire inside the building, where most fires start and almost all of them are confined. The same reasoning applies to brick veneer, which the code now outlaws.

"If the aldermen get themselves into passing on the technical suitability of different building materials, which they are in no way qualified to judge, they will end up by doing nothing to modernize the building code. That, of course, may be why they're doing it."

Dalton R. Wells

Death came to Dalton R. Wells, Detroit architect and engineer, on March 9, at his home, 17345 Roselawn Ave., after a brief illness. He was 67 years old. He was born at Whitestone, Long Island, N. Y., on June 22, 1878. In 1896 he entered his own practice in 1910 and was registered in Michigan when the original law went into effect, in 1915. He was also registered in Michigan as an engineer. From 1910 to 1914 he was a partner with Marcus R. Burrows in the firm of Burrowes & Wells, later practicing alone. Prior to and during the war he was engaged in directing large industrial projects for Detroit architects and for the Government. More recently he had been with the General Motors Corporation as architect and engineer.

He had long been active in his professional organizations, was a member of the Detroit Chapter, The American Institute of Architects, Michigan Society of Architects, Engineering Society of Detroit and American Society of Civil Engineers. He was also a member of the Masonic order. His wife, Lena V., survives.

In a future issue of the Bulletin we hope to have a more complete statement of Mr. Wells' career, by Prof. Emil Lorch, F.A.I.A.

CARL RICHARD

Marr & Marr

Richard H. Marr has announced the reorganization of his firm to include his son, Carl B., under the firm name of Marr & Marr. Architects. Offices will remain at 415 Brainard St., Detroit 1, Mich. Both father and son are members of The American Institute of Architects.

Marr was born in Detroit on Aug. 28, 1912. He attended Cranbrook School, and later the University of Michigan, where he received his degree in architecture. During 1936 he traveled and studied in foreign countries, including Denmark, Sweden, Holland, Germany, France and Belgium.

McCarty Honored

Col. William H. McCarty, Grand Rapids architect, who is now deputy chief of staff for Michigan affairs, with offices in Detroit, has received the Legion of Merit from Maj.-Gen. Louis A. Craig, commanding general of the Sixth Service Command, Chicago. Col. McCarty was honored for his outstanding work as head of District No. 1 of the Sixth Service Command, which includes all of lower Michigan until its deactivation last fall, as well as in other important assignments. In the first World War he was a lieutenant in the U. S. Army.

MR. ROBERT E. McENTEE announces the marriage of his sister, Margaret A. Bray, to Mr. Ira H. Benjamin, A.I.A., Thursday, Feb. 14, 1946. Many happy returns.

BLUE PRINTS PHOTOCOPY PRINTS OZALID DIRECT PRINTS DRAFTING ROOM FURNITURE DRAWING MATERIALS

DUNN BLUE PRINT CO.
"At Your Service—Any Time—Any Where"
TR. 1-7525

5922 SECOND
DETROIT, MICH.

MARCH 19, 1946
GLASS BLOCK FOR YOUR PLANT—NOW!

Critical materials are not required to erect glass block panels in that new plant addition—or in replacing wornout sash in existing buildings. Get Insulux Glass Block at pre-war prices—without delay.

CADILLAC GLASS CO.
LENOX 4940    2570 HART AVENUE
DETROIT

PLASTI-GLAZE

Plasti-Glaze the Post War Glazing Compound to specify. Made from bodied oils and special pigments. Weatherometer tests prove that Plasti-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.

FOR FINE APPEARANCE AND EFFECTIVE PROTECTION

Parkerizing combines rust-proofing and a superior finish on scores of architectural units. It has been serving for years in the building field and the increasing scarcity of protective metals now makes it more vitally important in all types of construction.

PARKER RUST PROOF COMPANY

DETROIT, MICHIGAN

When Cooking for Crowds

Gas is best

When discriminating diners go out to eat, they pick the restaurant where good taste, good food and good cooking can be depended upon. Cooking with gas gives the chef an opportunity to provide speedy, economical service and maintain the restaurant's reputation for high quality.

A section of Muer's Oyster House kitchen where they make a specialty of Sea Foods.

MICHIGAN CONSOLIDATED GAS COMPANY
415 Clifford
Cherry 3500

MICHIGAN SOCIETY OF ARCHITECTS

Day and Evening Courses in Engineering and Chemistry Spring Courses Start February 4 DETROIT INSTITUTE OF TECHNOLOGY 303 Downtown Y.M.C.A. Bldg., Detroit

BEAUTIFUL INTERIORS are created with wall paper furnished by 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.

PARKERIZING

FOR FINE APPEARANCE AND EFFECTIVE PROTECTION

Parkerizing combines rust-proofing and a superior finish on scores of architectural units. It has been serving for years in the building field and the increasing scarcity of protective metals now makes it more vitally important in all types of construction.

PARKER RUST PROOF COMPANY

DETROIT, MICHIGAN

When Cooking for Crowds

Gas is best

When discriminating diners go out to eat, they pick the restaurant where good taste, good food and good cooking can be depended upon. Cooking with gas gives the chef an opportunity to provide speedy, economical service and maintain the restaurant's reputation for high quality.

A section of Muer's Oyster House kitchen where they make a specialty of Sea Foods.

MICHIGAN CONSOLIDATED GAS COMPANY
415 Clifford
Cherry 3500

MICHIGAN SOCIETY OF ARCHITECTS

Day and Evening Courses in Engineering and Chemistry Spring Courses Start February 4 DETROIT INSTITUTE OF TECHNOLOGY 303 Downtown Y.M.C.A. Bldg., Detroit

BEAUTIFUL INTERIORS are created with wall paper furnished by 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.

PARKERIZING

FOR FINE APPEARANCE AND EFFECTIVE PROTECTION

Parkerizing combines rust-proofing and a superior finish on scores of architectural units. It has been serving for years in the building field and the increasing scarcity of protective metals now makes it more vitally important in all types of construction.

PARKER RUST PROOF COMPANY

DETROIT, MICHIGAN

When Cooking for Crowds

Gas is best

When discriminating diners go out to eat, they pick the restaurant where good taste, good food and good cooking can be depended upon. Cooking with gas gives the chef an opportunity to provide speedy, economical service and maintain the restaurant's reputation for high quality.

A section of Muer's Oyster House kitchen where they make a specialty of Sea Foods.

MICHIGAN CONSOLIDATED GAS COMPANY
415 Clifford
Cherry 3500

MICHIGAN SOCIETY OF ARCHITECTS

Day and Evening Courses in Engineering and Chemistry Spring Courses Start February 4 DETROIT INSTITUTE OF TECHNOLOGY 303 Downtown Y.M.C.A. Bldg., Detroit

BEAUTIFUL INTERIORS are created with wall paper furnished by 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.
M. S. A. Re-elects Allen at 32nd Convention

ROGER ALLEN, of Grand Rapids was re-elected president of the Michigan Society of Architects at its 32nd Annual Convention at the Rackham Building in Detroit on March 15. Others re-elected are Adrian N. Langius, Earl W. Pellerin, Joseph W. Leinweber, vice presidents, and L. Robert Blakeslee, secretary. Kenneth Michel was elected treasurer to succeed Malcolm R. Stirton. New directors are Ralph W. Hammett, Paul R. Sewell and Eberle M. Smith. Talmage C. Hughes was re-elected executive secretary.

As of old, the Producers’ Council held forth the evening before, with a cocktail party and dinner. There was much good fellowship with whom we were all glad to see and to hear from again was Mr. Louis Kamper, who spoke interestingly of some early experiences in the profession. The program, presided over by Joe Busse, Producers president, was interspersed with entertainment — by a quartette, group singling led by Chris Steketee, and by Bill Cory, who has added to his literary laurels the art of magic.

Busse outlined five new objectives of the Council for the current year: expansion of membership, the speeding of technical progress, the presentation of views to congressmen, the assistance of the construction industry, and more informational programs. He invited cooperation of the architects. The feature of this program was an address by Dr. George Shepherd, former advisor to Generalissimo Chiang Kai-shek. He spoke on “The Triangle in Asia.” Much fireworks occurred in the question period, and a lively time was had by all.

Undoubtedly the most significant action taken at the business sessions was in response to a message from Mr. James R. Edmunds, Jr., FAIA, president of The American Institute of Architects, and resulted in a resolution to support the statement recently issued by the Institute Board concerning the Government’s housing program as proposed by Wilson W. Wyatt, Housing Expeditor, and the possibility that such a program may be implemented by pending legislation, such as the Patman Bill. As a result, Branson V. Gamber, as chairman of a special committee, has written all Michigan senators and representatives in Congress, enclosing a copy of the resolution and a copy of the Institute statement. The statement, the best on the subject we have seen, is to the effect that the channeling of all scarce materials into small homes for veterans is not the whole answer to the housing problem, that veterans will need jobs and the public will not be served by thus cutting off the main segment of the building industry from supplying other much-needed construction.

Malcolm R. Stirton, retiring treasurer, gave a most creditable report and received a round of applause. The Society is in a very healthy condition, financially and otherwise.

The luncheon on Friday given by the Minneapolis-Honeywell Regulator Corporation, was a delightful interlude. Russ Blakeslee, Detroit representative, opened the program and introduced other officials of the company, as well as visiting architects. Films were shown telling the story of personalized heat control, and besides being entertaining, the program was very instructive.

After a brief business session in the afternoon, the program was given over to the showing of colored slides of Colonial Williamsburg, by Mr. Charles F. Cellarius, FAIA, of Cincinnati. The presentation was on a high plane and formed a most delightful feature of the program. Mr. Cellarius is well qualified to speak on the subject, as he has long been a student of Colonial architecture and has designed many notable buildings in this style.

Two hundred attended the banquet, concluding event of the Convention. President Allen called upon A.I.A. officers in attendance, who had added much to the success of the convention: Mr. Cellarius, treasurer; Alexander C. Robinson, III, secretary, and Branson V. Gamber, State Association Director. Upton Close, the (See ALLEN, Page 4)
Public Information

Sander's, pioneer among Detroit realtors, has a unique idea for its menus. Or, perhaps you hadn't noticed, for the girl generally presents the menu opened up to the two inside trees, where the "Today's Menu" is shown. Next time you dine at Sander's turn the menu over and you will see some interesting feature about Detroit. A recent one (Vol. 3, No. 2), with the collaboration of your committee on public information, was devoted to Detroit's 1945. It was crowded into the last seven months forty million dollars' worth of building permits issued indicate, despite dislocations and adverse conditions, that the real pent-up desire to build. At the end of the first five months of 1945, the permit volume was less than half the volume of 1944, "The majority of store buildings were of type 3 construction, one story in height and in many cases the plans were not prepared by a registered architect or engineer as required by the State Law due to the fact that the law states: "Nothing in this act shall prevent any owner from doing any of the architectural, engineering, or surveying work mentioned herein upon land or in connection with the construction of land or in connection with the construction of any building or structure for his own use, nor be construed as preventing a person not registered under this act from planning, designing or supervising the construction of residence buildings costing less than fifteen thousand dollars."

"During the past year many applicants for building permits have taken advantage of the above section of the law by trying to prepare their own plans leaving the structural requirements for this Bureau to decide. As a result, many hours of valuable time are spent in teaching the applicant how to prepare the proper plans for use in obtaining his building permit. Plans prepared by the larger architectural and engineering firms very seldom give us any trouble and the man hours spent in processing them through the different bureaus are very few compared with some of the smaller jobs for which plans were prepared by the owner or contractor.""}

Poster Contest

62 students in Detroit's intermediate, comprehensive and technical high schools will design posters totaling $670.00 in the 8th annual Poster Art Contest now under way under the direction of Miss Helen J. Copley, Art Director of the Detroit Board of Education. The contest will close Friday, May 3, 1946.

Prize winners will be selected by a jury whose names and talents are well known to Detroit. Included are: Miss Mabel Arbuckle, now of Columbus, Ohio, but formerly Art Director of the Detroit Board of Education and director of the seven preceding Poster Art Contests, Mr. Clyde H. Burroughs, Secretary, Detroit Institute of Arts, Mr. John S. Coppin, Artist and President of Scarab Club, Mr. Halsey Davidson, Art Director, Campbell-Ewald Company, Mr. Harold Hastings, Secretary-Manager, Adcraft Club of Detroit, Mr. Sidney Seeley, in charge of visual aids, University of Detroit, Chrysler Corporation.

Judging will follow immediately upon the close of the contest. In addition to the 62 prize winners 38 additional designs will be chosen to make a representative group of the 100 best designs entered.

Presentation of awards to the prize winners will be made by Superintendent of Schools Arthur Dondineau at the Art Institute.

The 100 best designs will be exhibited to the public free of charge June 10th through 15th in the twelfth floor auditorium of the J. L. Hudson Co., through whose courtesy this exhibition is made possible.

Throughout the period of World War II the theme of all contest designs was restricted to the promotion of activities related to the war effort. This year the contest will revert to its pre-war plan by which any U.S. manufactured product or service could furnish the theme for a design—whether or not the product or service had ever been advertised in any advertising medium.

Walker & Co., outdoor Advertising plant operator in Detroit, sponsors the contest again this year.

Committee on Education, MSA

By WELLS I. BENNETT, Chairman

We regret the inability to include this report in our Convention number—Editor.

For a good portion of the past year the war held the attention of everyone and prevented the carrying on of normal activities. The end of the war has brought new activity and many new problems. So far as the Committee is informed, there is very little to report as to the education of the public and the profession through the activities of the Society. Architects are in considerable demand as speakers at educational meetings of the Home Tour, are called upon to speak on civic questions as well as those of more direct relation to architecture. Many notices in the newspapers of the state and in the Michigan Society Bulletin indicate the service given by architects of an educational nature as regards spread of information bearing on the profession.

Mention has previously been made of vocational conferences in high schools of the state. Such a conference has been held this spring in Ann Arbor and no doubt in other cities, and, as is well known, such a conference is held annually by the Detroit Engineering Society at the Rackham Building in Detroit. This latter conference features engineering, but architecture is likewise given its full and separate place.

As has been noted in the Bulletin, there has been a great demand in the various cities of the state for Home Planners Institutes. Such an institute is a series of talks and discussions on the planning, construction, and furnishing of a small home. Members of the Staff of the College of Architecture at the University have carried on these institutes. The activity is entirely continuous on the part of the communities concerned and has never been pushed or promoted in any way by the Staff. There have been more requests than it has been possible for the Staff to fill, and in some cases the institutes were discontinued after having been originally given the year before. The program followed in these institutes has been one of general information step by step as to the nature of the process of planning and building a home. The speakers have gone to great pains to emphasize the function of the architect and his importance in the successful carrying out of the building project.

The attendance of these institutes has been very large, in one city as large as 1200, and in one smaller city as small as 100. The purpose of these institutes, as the College Staff has considered it, has been wholly educational, and it is hoped that something has been contributed toward the improvement of architecture and the greater appreciation of the architect's contribution.

Of direct interest to the profession, there has been considerable activity with respect to the question of apprenticeship training for architectural craftsmen. President Roger Allen has taken the lead in the study of this problem, obtaining information from other
states and cooperating with agencies of the State and Federal Government set up to promote apprenticeship training. A committee of architects met at the request of Eugene B. Elliott, Superintendent of Public Instruction; a program has been tentatively worked out; and a plan will be suggested for possible use in the State of Michigan. A report on apprenticeship for architectural draftsmen is being issued by the Department of Public Instruction and may be in the hands of Michigan Society members before the annual meeting in March.

Competition for Fabric Design

The Museum of Modern Art, through its Department of Industrial Design, announces the opening of a $2,000 prize competition for the design of printed fabrics. The competition, sponsored by a group of leading stores throughout the country, will close Saturday, June 1, 1946.

Several of the prize-winning designs will be reproduced and be offered for sale. An exhibition of all the designs winning awards and of the fabrics produced from the top winners will be held at the Museum of Modern Art early in 1947. The exhibition will later be circulated throughout the country, and possibly abroad.

The sum of $2,000 will be awarded as prizes. First prize will be $500. The remaining $1,500 will be distributed as the jury may decide, except that there will be at least ten honor awards of $50 each, and no prize of less than $50. In addition, three or five of the designs winning the top prizes will be designated by the jury for production, but the jury retains the right not to recommend any for production if it finds no designs of sufficient merit.

The Toledo Plate & Window Glass Co.
Glass Jobbers & Glazing Contractors
Distributors of WEAVER-WALL Asphalt Shingles and ASBESTOS LTD. Asbestos Siding Warehouses
Detroit Grand Rapids Cleveland Toledo

STANDARD COTTON INSULATION
- Moisture Proof
- Best at Lowest Cost
- Greater Heat Resistance
- Vermic Proof
Tests Prove Greater Efficiency of Cotton
Warren Fibre Products Co.
14290 Meyers Road Detroit 27, Michigan Telephone HOgarth 5675

ARCHITECTS IN SERVICE who recently returned to civilian life will confer a favor by notifying the Bulletin. This information is also desired by the A.I.A. chapters in Michigan and the Michigan Society of Architects. Please drop a line to the Bulletin, giving date of return, and present address.


Day and Evening Courses in Engineering and Chemistry
Spring Courses Start February 4
DETROIT INSTITUTE OF TECHNOLOGY
303 Downtown Y.M.C.A. Bidg., Detroit

The Toledo Plate & Window Glass Co.
Glass Jobbers & Glazing Contractors
Distributors of WEAVER-WALL Asphalt Shingles and ASBESTOS LTD. Asbestos Siding Warehouses
Detroit Grand Rapids Cleveland Toledo

STANDARD COTTON INSULATION
- Moisture Proof
- Best at Lowest Cost
- Greater Heat Resistance
- Vermic Proof
Tests Prove Greater Efficiency of Cotton
Warren Fibre Products Co.
14290 Meyers Road Detroit 27, Michigan Telephone HOgarth 5675

For long life, weather and air-tight glazing use America's Leading Glazing Compound Plastic Glaze.

PLASTIC PRODUCTS CO., INC.
DETROIT • CHICAGO • JENNY CITY

With our many years of experience and newly-acquired craftsmanship resulting from our war contracts, we are in an even better position to serve on peace-time construction now that hostilities have ceased.

MOYNAHAN METALS COMPANY
2658 Porter Street
Detroit 16, Michigan