Indiana Architect
October 1962
Planned Lighting Essential for Accuracy In Fort Wayne Manufacturing Operation

Light as a tool for seeing enters into practically every phase of work at Fort Wayne Tool & Die, Inc., manufacturers of stator winding equipment. From the time the intricate drawings for the equipment are prepared, until the piece is produced, detailed eye-work is required. Proper lighting here helps accuracy, speed, and safety.

When shadows come between people and their work, they are less productive and less efficient. Shadows cause eyestrain, and eyestrain causes fatigue, tension and errors. The remedy in most cases is evenly-distributed lighting. Buy the right equipment and install it right.

In the office, good diffused lighting wipes away harsh contrasts. Shadows force clerical help to bend closer to their work and the resulting fatigue will increase chances of error. Proper illumination can improve morale and reduce such errors.

In the shop, accidents go down and production goes up as lighting improves. Case after case of actual experiences have proven this. Shadows slow down worker's seeing speed and time is wasted. Proper lighting eliminates these drawbacks and reduces accidents.

There just isn't a blanket answer to shadows and other lighting problems. The right quality and the right quantity of lighting are important. Proper placement of proper fixtures means a lot, too. Before you make any changes in your lighting system, we suggest you invite your I&M Power Engineer in for free consultation. He'll help you get the best lighting for the job and the best lighting for your money.

Accuracy in seeing can prevent costly mistakes in drafting rooms. Uncontrolled or improper light drapes work in shadow—an important line on a drawing may be left out. Evenly distributed lighting chases the shadow.

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product of over five years of research. It separates
the cross designs according to their time of origin
and includes a historical review of their religious
significance and usage.

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cross forms, including crosses from the ancient
civilizations, crosses from the early church and
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tion is offered on how Overly crafts these religious
symbols and the important data the architect
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These cross designs will be useful to architects in
designing church interiors, in selecting the altar
cross or in providing external ornamentation for
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“The Cross” is available to all architects on
letterhead request. Send for your copy today.

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APARTMENTS
Indiana University
Architects
JAMES ASSOCIATES

ALSO

TEETER QUADRANGLE
Indiana University
Architect: — EDWARD D. JAMES, FAIA

RESIDENCE HALL H-4
Purdue University
Architects — WALTER SCHOLER & ASSOCIATES

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Registration Board
Names 19 New Architects

The Indiana State Board of Registration for Architects has announced that nineteen applicants for registration successfully passed all phases of the 1952 State Architects’ Examination. The new architects are:

RONALD LEE BOTNER
7210 Wabash Avenue
Terre Haute, Indiana

RICHARD THOMAS BARTON
1921 Mathias
Fort Wayne, Indiana

WENDELL JEROME CAMPBEL
3614 Pennsylvania Ave.
East Chicago, Indiana

GEORGE WILLIAM COX
1717 Glenn Ellyn Drive
Muncie, Indiana

WILLIAM L. DANKERT
6253 East 43rd Street
Indianapolis, Indiana

GAYLORD HARVEY FORBES, JR.
5715 Remington
Fort Wayne, Indiana

JOHN STANTON KANE
831 Harvey Street
Anderson, Indiana

DONALD FREDERICK LANGEBARTELS
6050 E. 16th Street
Indianapolis, Indiana

RONALD KEITH LEACH
“Oakwood,” Capt. Frank Road
New Albany, Indiana

MONROE McGIBENY
600 Strauss Building
Fort Wayne, Indiana

ELDON DEAN MARKS
3917 Clifton Avenue
Cincinnati, Ohio

GORDON BERNARD MESS
R.R. #2
c/o Hinshaw Trailer Court
Carmel, Indiana

JOHN WILLIAM PRICE
1533 Jeffras Avenue
Marion, Indiana

URBAN LYNN READY
3847 N. Graham
Indianapolis, Indiana

ROBERT WM. STEVENS, JR.
1633 Cherry Street
Huntington, Indiana

DANIEL A. SNYDER
751 Leland Avenue
South Bend, Indiana

CHARLES S. SHOEMAKER
5832 Bolton Court, North B-4
Indianapolis, Indiana

PHILLIP E. UHL
816 Kinnaird
Fort Wayne, Indiana

DONALD G. WOOD
2301 California Street
Columbus, Indiana

The annual examination of applicants for registration was held June 12th through June 15th on the campus of Purdue University in Lafayette. Registration Board members are Edward D. James, FAIA, Indianapolis; Walter Scholer, Sr., FAIA, Lafayette; Warren D. Miller, FAIA, Terre Haute; Wilson L. Ford, AIA, Indianapolis; and Roy A. Worden, AIA, South Bend.

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SIGMA CHI FRATERNITY
DePauw University, Greencastle
Architects: Lennox, Matthews, Simmons & Ford, Indianapolis

MARRIED STUDENTS APARTMENTS, #3
Indiana University, Bloomington
Architects: James Associates, Indianapolis
General Contractor: F. A. Wilhelm Construction Co., Inc.
SIGMA CHI FRATERNITY  
Wabash College, Crawfordsville  
Architects: Miller-Miller and Associates, Terre Haute

PHI DELTA THETA FRATERNITY  
Indiana University, Bloomington  
Architect: Wm. J. Strain, AIA, Bloomington  
General Contractor: Weddle Bros. Construction Co., Inc.

TEETER QUADRANGLE  
Indiana University, Bloomington  
Architects: Edward D. James, FAIA, and Eggers & Higgins  
General Contractor: F. A. Wilhelm Construction Co., Inc.
KAPPA ALPHA PSI FRATERNITY
Indiana University, Bloomington
Architect: Wm J. Strain, AIA, Bloomington
General Contractor: Superior Lumber & Building Co.

SIGMA DELTA TAU SORORITY
Indiana University, Bloomington
Architect: Wm. J. Strain, AIA, Bloomington
General Contractor: Superior Lumber & Building Co.

MARRIED STUDENTS APARTMENTS, #4
Indiana University, Bloomington
Architect: Edward D. James, FAIA, Indianapolis
General Contractor: Hagerman Construction Co.
MEN'S DORMITORY
Indiana State College, Terre Haute
Architects: Yeager Architects, Inc.,
Terre Haute
General Contractor:
(1st unit) George H. Bahre Constr. Co.
(2nd unit) Shelton Hannig Constr. Co.

BETA THETA PI FRATERNITY
DePauw University, Greencastle
Architects: Lennox, Matthews, Simmons & Ford, Indianapolis
General Contractor: Williams, Beck & Hess

DORMITORY BUILDING
Oakland City College, Oakland City
Architects: Lester W. Routt & Associates, Vincennes
General Contractor: Seufert Construction & Supply Co., Inc.
ALPHA CHI OMEGA SORORITY
DePauw University, Greencastle
Architects: Lennox, Matthews, Simmons & Ford, Indianapolis
General Contractor: Williams, Beck & Hess

ANTHONY APARTMENTS #2
Ball State College, Muncie
Architects: Hamilton & Graham, Muncie
General Contractor: Hagerman Construction Company

ALPHA EPSILON PHI SORORITY
Indiana University, Bloomington
General Contractor: Superior Lumber & Building Co.
KAPPA ALPHA THETA SORORITY
DePauw University, Greencastle
Architects: Lennox, Matthews, Simmons & Ford, Indianapolis
General Contractor: Williams, Beck & Hess

H-4 RESIDENCE HALL
Purdue University, Lafayette
Architects: Walter Scholer & Associates, Lafayette
General Contractor: F. A. Wilhelm Construction Co., Inc.

STUDEBAKER RESIDENCE HALL
Ball State College, Muncie
Architects: Walter Scholer & Associates, Lafayette
General Contractor: Hagerman Constr. Co.
GRADUATE STUDENT HOUSING
Purdue University, Lafayette
Architects: Walter Scholer & Associates, Lafayette
General Contractor: Karl H. Keitlehut

ALPHA CHI OMEGA SORORITY
(addition)
Butler University, Indianapolis
Architects: Pecsok & Jelliffe, AIA, Noblesville

NOYER RESIDENCE HALLS
Ball State College, Muncie
Architects: Walter Scholer & Associates, Lafayette
General Contractor: Hagerman Constr. Co.
WEATHERLY HALL FOR GRADUATE STUDENTS
Indiana University, Bloomington
Architect: Edward D. James, FAIA, Indianapolis
General Contractor: Superior Lumber & Building Co.

ALPHA GAMMA DELTA SORORITY
DePauw University, Greencastle
Architects: Bohlen & Burns, AIA
Indianapolis
General Contractor: Superior Lumber & Building Co.

BETA THETA PI FRATERNITY
Wabash College, Crawfordsville
Architects: Walter Scholer & Associates, Lafayette
General Contractor: Glenroy Construction Co.
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THE GENERAL CONDITIONS

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INTERPRETATIONS

The plans and specifications are to be taken together. Anything shown on the plans and not mentioned in the specifications or anything mentioned in the specifications and not shown on the plans, is to be considered as both shown and specified: and anything wanted by the Architect or any of his friends, or by anybody else (except the contractor) shall be considered as shown, specified, implied and required and shall be provided by the contractor without expense to anybody but himself.

If the work has been done without expense to the Contractor, the work shall be taken down and done over again until the expense is satisfactory to the Architects.

PLANS

The plans are to be considered diagrammatic and disgraceful and are to be followed only where space conditions make it impossible to avoid doing so.

Coincidence between the plans and executed work shall not be considered a claim for extra compensation. The Architect is not required to recognize coincidence.

Anything that is right on the plans is to be considered right.

Anything that is wrong on the plans shall be discovered by the Contractor, and shall be made right without telling on the Architect or indicating the same in the bills.

Anything that is forgotten or left out of the plans, specifications, but which is necessary and required for the comfort and convenience of the owner, whether he thought of it before or after the execution of the contract, shall be provided by the Contractor to the satisfaction of everybody (but the Contractor) and in full accord with the evident intent and meaning of the specifications, without extra cost to anybody but the Contractor.

MATERIALS

All materials shall be the best of their several kinds, and the Contractor is expected to know and provide the best materials, irrespective of what is specified in details.

PERMITS

The Contractor shall obtain all permits and shall pay all fees, annual dues, assessments and subscriptions to masked balls, organizations, outings and for all hat checks.

DAMAGE

Any damage done by the Contractor shall be paid for by the Contractor as liquidated damages and not as a penalty.

ARBITER

In case of any dispute arising as to the nature, character and extent of the work, shown, specified or implied, the matter shall be decided by a referendum and recall; after which the decision may be set aside and reversed by the Architect.

PAYMENTS

Payments, if any, shall be made only on the Architect’s Certificates; Architect’s Certificates shall not be considered negotiable nor are they legal tender. When once issued the Architect assumes no responsibility for their further usefulness.

Partial payment shall be made as the work progresses, in the amount of 85% of the value of the work done, as judged by the Architect.

In no case shall the judgment of the Architect cover more than enough to cover the payroll every Saturday night. The material man must take the customary chances.

The final payment, if any, shall be made only when everybody is satisfied (but the Contractor).

Any evidence of satisfaction on the part of the Contractor shall be considered a just cause for withholding final payment.

FINALLY

The Contractor shall accept and hereby does accept the conditions herein appertaining for himself, his ancestors and progenitor, his family, his heirs, executors, his ox, his ass, and any stranger that is within his gates.

* Author Unknown (He may be knocking at your door some day begging to figure that job on the board).

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Mr. Melvin H. Baker, chairman and chief executive of National Gypsum Company, last month disputed contentions that the nation is hovering on the edge of a recession in a speech before the Indianapolis Rotary Club.

In an address entitled “Keep America Growing,” the Buffalo, N.Y. industrialist outlined a program for spurring the nation’s rate of economic growth and thus reducing unemployment and halting the drain on U.S. gold reserves.

He emphasized that depressed profit levels are acting as a deterrent to the nation’s growth.

Mr. Baker noted that since 1958 the United States has been running large deficits in its balance of international payments. These, he explained, have caused a drain on U.S. gold reserves and “endangered the dollar.”

The balance of payments problem, he added, “mirrors the state of America’s domestic economy.

“The slow-down in our rate of economic growth here in the United States cannot help but affect the vigor of our exports and the pattern of international capital movements.”

Rising costs and a heavy tax load, Mr. Baker said, have reduced the profits American business needs to modernize.

As a consequence, he said, many of America’s industrial plants are obsolete. They can’t match modern, low-cost Japanese and European plants which “produce goods and sell them in world markets at prices we cannot meet.”

The businessman said the recent revision of depreciation schedules and the proposed tax credit for new machines will help to spur profits but “much more must be done, and promptly.”

He stressed the need for “a drastic reform of the U.S. income tax structure.”

He urged that corporate taxes be reduced from 52% to 47%, top individual rates be cut from 91% to 65% and the 20% bracket reduced to 15%.

But the industrialist advocated that tax cuts be at least partially offset by a reduction in federal spending.

The National Gypsum chairman said that if his program is adopted that “the U.S. economy will continue its upward climb and the stage will be set for the great growth period of the mid 60’s.

Recalling President Kennedy’s crack-down on U.S. steel companies in April, the businessman observed that “there has been and continues to be, far too much ill will between the White House and Business.”

He called for a “relaxation” in the strained relations declaring that “Government and Business simply cannot afford to be estranged at a time when the survival of freedom is seriously challenged by an aggressive foe.”

National Gypsum, with 12,000 employees, 63 plants in 24 states and Canada, manufactures 11 related lines of building materials.

Mr. Baker disclosed that the company now employs 700 persons at its Indiana plants at Alexandria and Shoals. The company’s annual expenditures in the state, he said, now total more than $5 million.

Describing the Shoals plant as “one of the largest and most modern gypsum plants in the world,” the National Gypsum chairman noted that “its capacity was expanded 40% only two years ago and construction is now under way there to expand it again.”

He reiterated a previous prediction that if housing starts “amount to as many as 1.4 million this year, our sales should climb to an all-time record.”
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Reynolds Student Prize Revised

The Reynolds Aluminum Prize for Architectural Students, now in its third year, has been revised to limit its $2,600 national student award to scholarship purposes.

Previously there was no stipulation on the winner's use of the cash prize for the "best original design of a building component in aluminum."

The change was announced today by The American Institute of Architects, which administers the program.

"The new feature was added because of the increasing emphasis by architectural schools on scholarship programs," said William H. Scheich, AIA, Executive Director of the Institute.

The AIA brochure for the 1963 prize, which has been mailed to heads of all American architectural schools, details the change: "It is stipulated that the student or students winning the National Prize spend the $2,500 for further education, either formally enrolled in a school or engaging in other type of planned study activity such as travel or research."

The Reynolds program also includes $2,500 for the school whose student wins the national prize. As in previous years, the school may spend the money in any way it chooses.

The Reynolds Aluminum Prize for Architectural Students is conducted annually among those architectural schools choosing to participate. The school sets rules for its own competition under general guidelines laid down by the AIA.

The program offers a cash prize of $200 to the winning student in each participating school. Each school's winning design is then entered in the competition for the national prize, which is awarded by a jury of outstanding architects appointed by the AIA.

The 1963 student prize will be presented during the AIA convention in Miami May 6-10.

The 1962 prize was won by Jon H. Starnes, University of Texas, and the 1961 prize by John L. Dewey, University of Cincinnati. By their own choice both students put their prize money into further architectural education.

The student prize program was established by Reynolds Metals Company to encourage creativity in architectural design and to stimulate the interest of America's future architects in the design potential of aluminum.

ISA Board Notes

The Scholarship Program of the Indiana Society of Architects, inaugurated last year, will be continued for the coming year. The continuance was approved by the ISA Board of Directors at their September 28th meeting in Indianapolis.

The first winner of the $2,500 scholarship was David Sweet of Gary, who is now enrolled in the architectural school of the University of Illinois.

In other action, the Board granted preliminary approval to three applicants for Corporate Membership. These applicants, who have now been granted membership by the American Institute of Architects and assigned to the Indiana Society, are J. Parke Randall, AIA, of Indianapolis; David S. Nice, AIA, Indianapolis; and Forrest R. Campbell, AIA, Indianapolis.

Two applicants for Associate Membership were approved by the Board; these are Thomas L. Whittaker and David M. Bowen, both of Indianapolis.

The Board also discussed the formation of the Indiana Council, an association of the two AIA Chapters in Indiana to handle matters of mutual interest at the State level, and considered the founding of a state-supported school of architecture in Indiana.

The next Board meeting will be November 2nd at New Albany, followed by the East Central Regional Council meeting (Kentucky and Indiana) on November 16th.
Exposed aggregate techniques are bringing new visual impact to concrete-paved surfaces in today's patios and gardens. Intriguing color and texture possibilities are endless.

Tiny chips to fist-sized rocks, sparkling white to dramatic black, aggregates of all kinds combine with a rainbow choice of concrete colors.

Landscape architects everywhere choose modern concrete to bring new beauty to their best ideas.

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A national organization to improve and extend the uses of concrete
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COLOR—FORM
TEXTURE—PATTERN
FUNCTION . . .

It is estimated that for every 100 square feet of unshaded window area receiving an average amount of sunlight, an additional ton of air conditioning must be provided at a cost of about $1,000. Over a 20-year period, this might figure out to as much as $15 per square foot of glass. To this also must be added the initial cost of the glass and a capital recovery factor. Where the architect chooses glass as the solution to a particular design problem, its high cost can be substantially reduced through the use of masonry screens, which can reduce instantaneous heat gain through glass surfaces by as much as 85 per cent. Economies can also be affected in walls and columns concealed by screens, and by reducing the need for interior blinds or drapes.

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