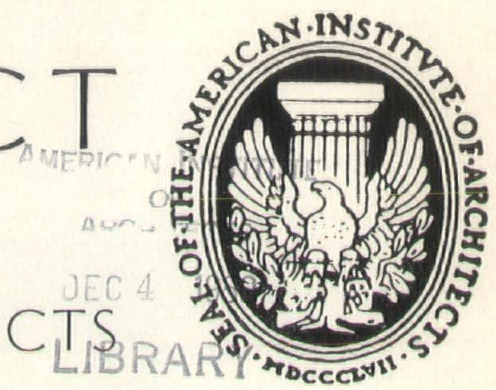


82

IOWA ARCHITECT

Official publication of
IOWA CHAPTER
AMERICAN INSTITUTE OF ARCHITECTS

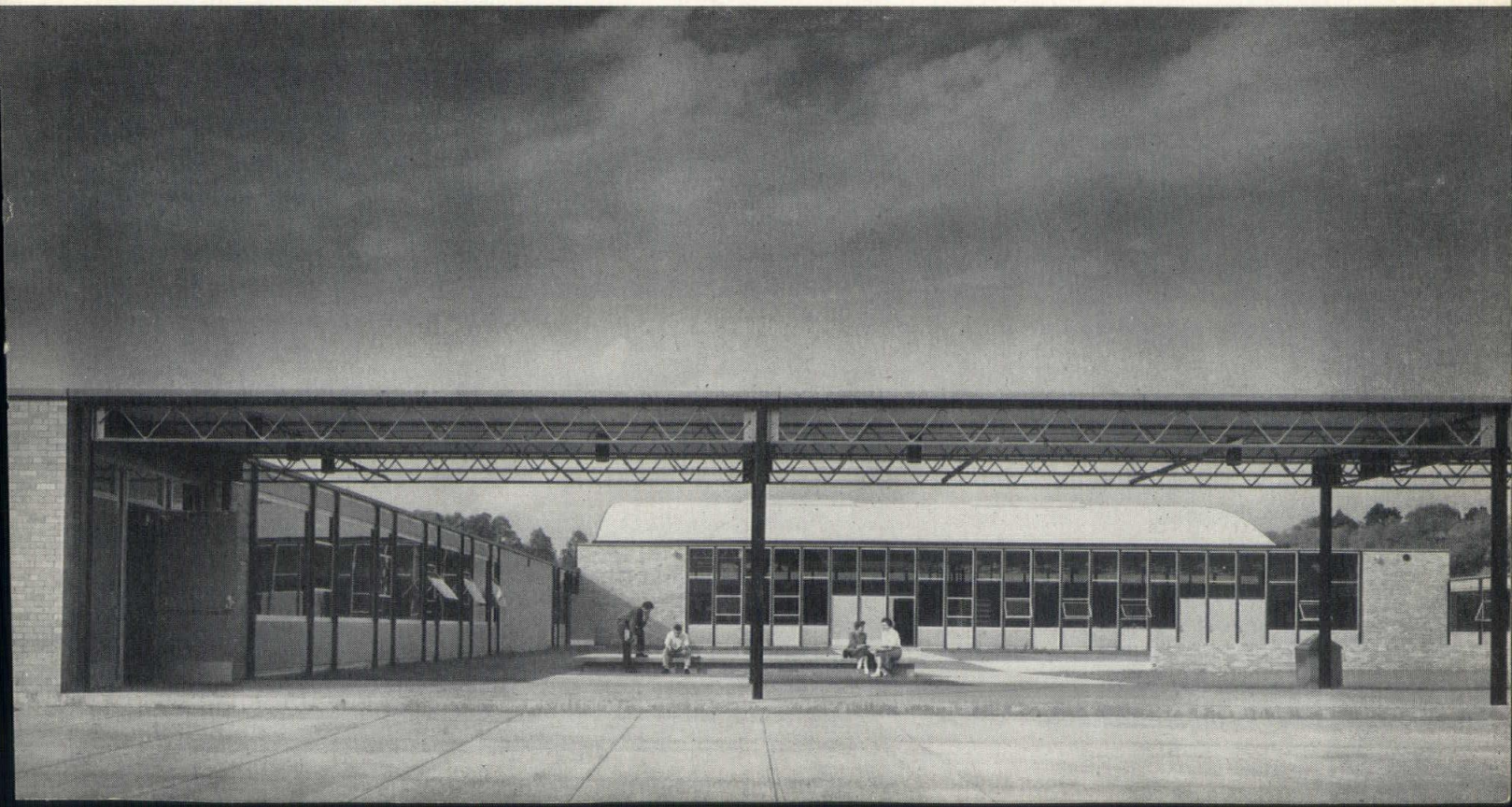


NOVEMBER — DECEMBER

VOLUME VI

NO. 6

1959



I

The Oskaloosa Clay Products Company is proud to announce the availability of a brick totally new to the midwest construction scene.

After three years of research, a natural light, white brick has been produced that equals or surpasses those which have been imported in the past.

T'S IVORY! IT'S NEW!

IVORY MATT

BY OSKALOOSA CLAY PRODUCTS COMPANY

IVORY MATT is a pure color brick which has been burned at a high temperature. The clay used is of such quality that it is suitable for making pottery. **IVORY MATT** meets all standards of top quality manufacture thus providing a unit that is extremely hard, is uniform in color, has very little distortion, and lays up well in the wall. **IVORY MATT** is available in modular standard, eight inch standard, and norman sizes ready for immediate delivery.

*Call or write for complete information
and sample panel, of this distinctively
new brick.*

GOODWIN COMPANIES

ENGINEERING & PROMOTION OFFICES

614 Central National Bldg.
Des Moines, Iowa
Phone AT 8-3387

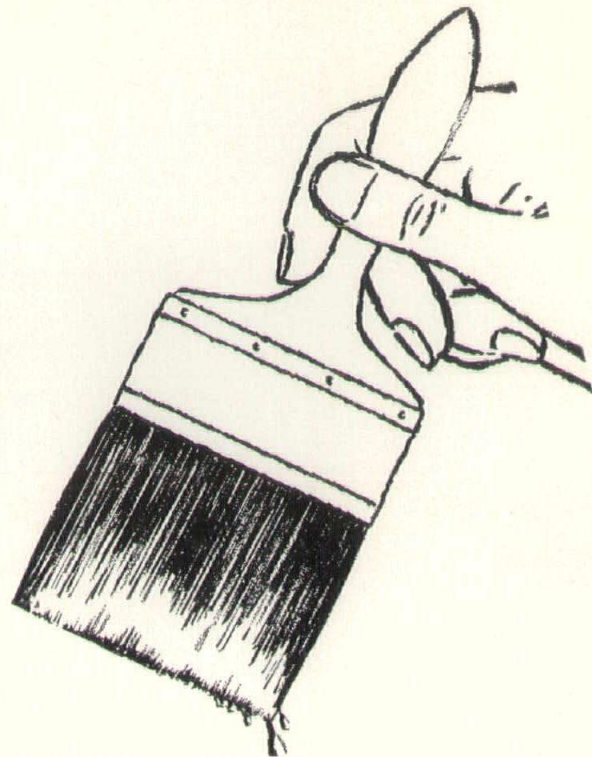
513 Foshay Tower
Minneapolis, Minnesota
Phone FE 6-6788



DES MOINES CLAY COMPANY

MASON CITY BRICK AND TILE COMPANY
OTTUMWA BRICK AND TILE COMPANY
OSKALOOSA CLAY PRODUCTS COMPANY
REDFIELD BRICK AND TILE COMPANY

What do you
expect of the
FINISHES
you specify. . .



- *Durability?*
- *Low Maintenance?*
- *Accuracy of Color?*
- *Long-Lasting Beauty?*

You will find all these qualities, and more, in
IPM scientifically formulated finishes.

The correct coating for every type of surface.



The services of our finishing material experts
and research staff are at your disposal.
Contact us if we can assist on any problem.
No obligation.

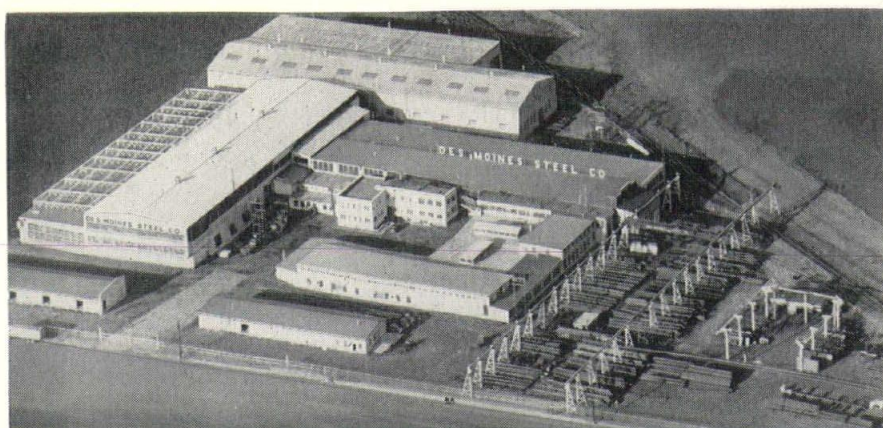
Des Moines . . . Davenport . . . Omaha
Mason City . . . Waterloo

General Offices — Des Moines, Iowa

118 Eighth Street

Phone ATLantic 3-1501

Specify
Steel for
Versatility
Fire Safety
Uniformity
Strength
Economy



View of our Plant — Annual Capacity 18,000 tons

Specify
Steel for
Adaptability
Compactness
Endurance
Service
Speed

We have thousands of tons of steel in stock despite the steel strike and we are in a position to make quick delivery of fabricated steel.

We welcome the opportunity to work with Architects in preliminary planning.
Call us or visit us personally.

DES MOINES STEEL CO.

421 S.W. 5th St.

Des Moines, Iowa

Ph. CH 4-2101

HAVE YOU HEARD THAT THESE PROJECTS ARE BUILT ON DRILLED FOUNDATIONS?

PROJECT NAME	ARCHITECT	GENERAL CONTRACTOR
MARY GRELEY HOSPITAL Ames	Dane D. Morgan	W. A. Klinger, Inc.
ST. JOSEPH HOSPITAL Ottumwa	Brooks - Borg	The Weitz Co.
HY VEE FOOD STORE Burlington	Sherman Smith & Co.	Carl A. Nelson Co., Inc.
FORT MADISON SENIOR High School	Karl Keffer & Assocs.	Fane F. Vawter
NORTHWEST TELEPHONE Keokuk	Dane D. Morgan	Donald R. Stark
MEN'S DORMITORY Grinnell College	Skidmore, Owings & Merrill	Ringland - Johnson, Inc.
MUSCATINE GENERAL Hospital	Stanley Engineering	Reichert Const. Co.
MAYTAG CO. ADDITION Newton	Brooks - Borg	Arthur H. Neumann, Inc.
MT. ST. CLAIR COLLEGE Clinton	Dane D. Morgan	Ole Jorgensen
EAST HIGH SCHOOL Waterloo	M. B. Cleveland	Jens Olesen & Sons

THE ABOVE IS A PARTIAL LISTING OF WORK COMPLETED IN IOWA BY

CAISSON CORPORATION

CHICAGO, ILL.

517 FIFTH AVENUE
DES MOINES CHERRY 3-7798

CAMDEN, N. J.

HOW MUCH DOES SCHOOL AIR CONDITIONING COST?

Here are cost figures on five schools that have installed HerNel-Cool year-round air conditioners for schools — some wanted immediate air conditioning, others intend to add air conditioning later simply by installing a chiller in the boiler room. Both get all the natural cooling, heating, ventilating and draft protection features of Herman Nelson unit ventilators.

COST FOR TWO SCHOOLS INSTALLING COMPLETE AIR CONDITIONING SYSTEMS

- 1** Hyde Park Junior High School, Clark County, Las Vegas, Nevada
Architect & Engineer: Zick & Sharp

GENERAL: 90,000 sq. ft., 38 classrooms, 6 administrative offices, 9 special purpose rooms, gymnasium, cafeteria, library, swimming pool.

CONTRACT COSTS:

General	\$1,039,997
Plumbing	107,300
Electrical	139,000
Air conditioning, heating & ventilating	151,300

UNIT COSTS:

Total cost per sq. ft.	\$11.55
Air conditioning, heating & ventilating per sq. ft.	1.68

- 2** Eunice Smith School, Alton, Illinois
Architect: Albert Meyer Goedde, AIA

GENERAL: 28,266 sq. ft., 12 classrooms, multi-purpose room, teachers room, cot room and offices, facilities for handicapped children.

CONTRACT COSTS:

General	\$278,722
Plumbing	29,861
Electrical	29,780
Air conditioning, heating & ventilating	68,100

UNIT COSTS:

Total cost per sq. ft.	\$14.30
Air conditioning, heating & ventilating per sq. ft.	2.46

COST FOR TWO SCHOOLS EQUIPPED FOR FUTURE AIR CONDITIONING

- 1** Daviess County High School, Owensboro, Kentucky
Architect: Roberts & Johnson
Engineer: Chas. Young

GENERAL: 126,000 sq. ft., 71 classrooms, gymnasium, auditorium.

CONTRACT COSTS:

General	\$911,000
Plumbing	100,000
Electrical	105,000
Heating & ventilating	195,000

UNIT COSTS:

Total cost per sq. ft.	\$10.40
Heating & ventilating cost per sq. ft.	1.55

- 2** North Elementary School, Jones Elementary School, Garden City, Kansas
Architect: Howard T. Blanchard, AIA

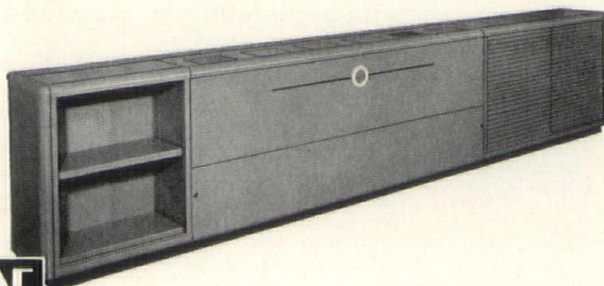
GENERAL: Both schools (bid as combined project) total 43,382 sq. ft., 26 classrooms, administration areas, multi-purpose rooms.

CONTRACT COSTS:

General	\$373,525
Plumbing	34,400
Electrical	31,446
Heating & ventilating	73,849

UNIT COSTS:

Total cost per sq. ft.	\$11.83
Heating & ventilating cost per sq. ft.	1.70



herman nelson
UNIT VENTILATOR PRODUCTS

System of Classroom Cooling, Heating and Ventilating

COST FOR A SCHOOL EQUIPPED FOR BOTH IMMEDIATE AND FUTURE AIR CONDITIONING

Lackawanna High School, Lackawanna, N. Y.
Architect: John R. Edgar, AIA
Engineer: Donald E. Brill

GENERAL: 165,941 sq. ft., school building for 1200 pupils, service building and connecting tunnel.

CONTRACT COSTS:

General	\$1,953,700
Plumbing	145,393
Electrical	353,788
*Air conditioning, heating & ventilating	292,500

UNIT COSTS:

Total cost per sq. ft.	\$16.54
Air conditioning, heating & ventilating cost per sq. ft.	1.76

*Office suite, board of Education offices and auditorium are provided with immediate air conditioning. Classrooms are equipped for future air conditioning.

These two Companies

SIoux CITY BRICK and TILE SIoux CITY
IOWA

UNITED BRICK and TILE CO. of IOWA DES MOINES
IOWA

Leaders in Face Brick

★Research Has Brought
These New Colors . . .

- Antique White — face brick
- Charcoal Black — face brick
- Tidewater — face brick
- Pastel Blend — face brick
- Lennox Blend — face brick

★Plants:

- Adel, Ia.
- Des Moines, Ia.
- Sergeant Bluff, Ia.
- Sioux City, Ia.
(Plant No. 1 and No. 2)

★Some Of The School Jobs
We Furnished in 1959:

1. Battle Creek High School, Battle Creek, Iowa
2. Elementary School, Schleswig, Iowa
3. Lake Mills Community School, Lake Mills, Iowa
4. K-6 Elementary School, Spencer, Iowa
5. Public School, Whiting, Iowa
6. Public School, Scranton, Iowa
7. Public School, Albia, Iowa
8. Catholic School, Tama, Iowa
9. St. Henry's School, Marshalltown, Iowa
10. Public School, La Porte City, Iowa

★Sales Offices:

- 1200 Thomas Beck Rd.
Des Moines, Iowa
- 207-212 Benson Bldg.
Sioux City, Iowa

TO SCHOOL BOARDS & SCHOOL ARCHITECTS---

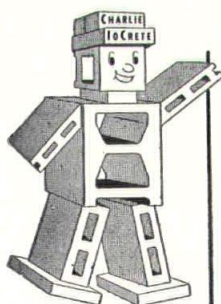
School costs are going up every day. But schools are a necessity—we must continue to build new schools.

Therefore, you must select the least costly materials available—so long as they do the job satisfactorily.

The use of concrete masonry will save thousands of dollars over other types of wall construction. It is fire-safe. It gives you a finished wall without the use of plaster. It cuts down, very much, the use of special acoustical treatment. Good concrete blocks are available close to the building operations.

USE MORE CONCRETE MASONRY
IT WILL ALWAYS CUT COSTS

OLDEST
and
LARGEST
in
IOWA



**IOWA
CONCRETE
BLOCK &
MATERIAL
COMPANY**

Concrete Blocks • Haydite Blocks • Bricks • Channel Roof Slabs • Concrete Joist • Owens-Illinois Glass Blocks • Lannon Stone • Sanymetal Toilet Compartments • Champion Masonry Saws and Blades • Chicago Fire Brick • Masonry Materials Aluminum and Steel Windows • Arketex Glazed Tile Metal Specialties • Concrete Corn Cribs and Silos

QUALITY
and
SERVICE
ALWAYS

820 S.W. 9th St. PH. AT 8-5751 DES MOINES 9, IOWA
"Your Problems Keep Us in Business"

IOWA ARCHITECT

Iowa Chapter, American Institute of Architects

CONTENTS

OFFICERS

George Horner
Iowa City
President

Eugene O'Neil
Des Moines
Vice-President

Dave Frevert
Des Moines
Secretary

Doug Robison
Davenport
Treasurer

PUBLICATIONS COMMITTEE

Harold J. Bullington
Chairman
James A. Lynch
Thomas J. Atherton

EDITOR

Harold J. Bullington
202 Masonic Temple Bldg.
Des Moines 9, Iowa

MANAGING EDITOR

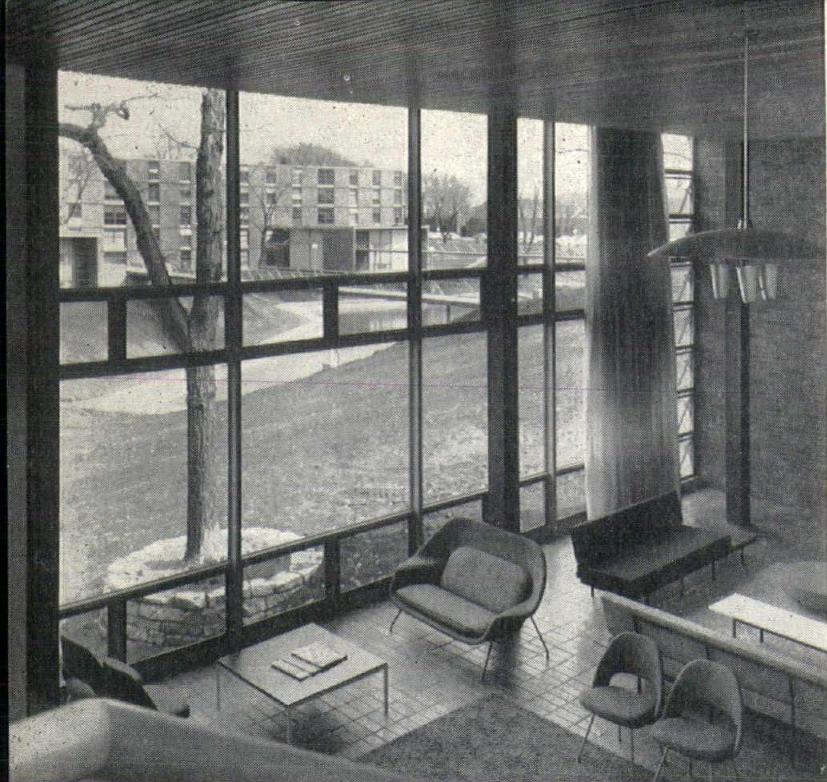
Robert F. Bonomi
422 Securities Bldg.
Des Moines 9, Iowa
ATlantic 2-4309

Editorial	7
Regional in Retrospect.....	8
... A Quality Product".....	9
DESIGNED BY IOWA ARCHITECTS.....	11
<i>Fort Madison High School</i>	
<i>Charles City High School</i>	
<i>Sac City School Addition</i>	
<i>Webster City High School</i>	
<i>Lone Tree Elementary and High School</i>	
<i>Iowa City Junior High School</i>	
<i>Guthrie Center Elementary</i>	
<i>J. H. Peet Junior High School, Cedar Falls</i>	
<i>Schaeffer Heights Elementary, Cedar Rapids</i>	
<i>46th Street Elementary, Cedar Rapids</i>	
<i>Cuba City High School, Cuba City, Wis.</i>	
<i>Clovis Grove Elementary, Menasha, Wis.</i>	
<i>Fisher Elementary, Marshalltown</i>	
<i>Lincoln Elementary, Ottumwa</i>	
<i>Pickwick Elementary, Ottumwa</i>	
<i>Central Avenue Elementary, Burlington</i>	
<i>Clarksville Elementary</i>	
<i>Meeker Elementary</i>	
<i>Montezuma High School Addition</i>	
Some Good Bricks.....	30
Personal and Professional.....	31
Nominate Your Craftsmen.....	34
Bouquets Received	34
In Appreciation	34

The "Iowa Architect" is published bi-monthly for the Iowa Chapter, American Institute of Architects, and mailed without charge. Appearance of names and pictures of products or services in editorial or advertising copy does not constitute endorsement of either the A.I.A. or this chapter.

THE COVER

Fort Madison High School. View through the entry to insulated panel curtain walls faced with ceramic tile. See page 11. Architects: Karl Keffer Associates.



TRUSCON Donovan
Steel Windows combine
with Intermediate Projected
Windows in contemporary
Drake dormitories.

Women's Dormitories and Dining Hall,
 Drake University, Des Moines, Iowa

SARRINEN AND SAARINEN
 AND SAARINEN, Architects

BROOKS-BORG, Associate Architects

THE WEITZ COMPANY, Contractors

Z E I N E R
CONSTRUCTION SERVICE, INC.

Route 3, Des Moines 15

AT 2-0910

May We Repeat . . .

Walter McQuade, author of "Schoolhouse," who spoke recently at the Regional Convention of the A.I.A. in Des Moines, at one point said:

"You can't blame the school board for its fantastic attention to economics. Something must be done to get away from financing education by the property tax."

He may have something there about the change of source of educational support, but until the change is made, school boards will be interested in the economics of construction. We'd like to take this opportunity to repeat a point made a year ago in this column when we suggested an attempt should be made to present school construction costs in the light of their cost per student served.

We believe the taxpaying citizens of most school districts would view construction costs in a more receptive light if these figures were translated into terms of 'cost per student per year'.

We are not proposing that the schools be sold to the public on the "never-never" plan of "so much down" and no disclosure of the total cost. We are suggesting that heavy emphasis be placed upon the per-student per-year investment in the structure.

Give the taxpayer-buyer an opportunity to relate the school construction cost to the value of the education received by each student the school will serve. We think education is a proposition which pays many times the value of the school cost.

In Appreciation:

THE IOWA CHAPTER, The American Institute of Architects, again expresses its appreciation to the Iowa Association of School Boards for the opportunity of participating in the 14th annual convention of the organization.

It is sincerely hoped that each school board member and superintendent attending the convention finds it of value, and pleasurable.

Members of the Iowa Chapter, A.I.A., are interested in every phase of education, and in the administration of educational programs, for changes in any phase may be reflected in appropriate changes in facility design.

We hope that you find the exhibits interesting.

Public Relations Committee
 Iowa Chapter, A.I.A.

Regional in Retrospect

SELECTION of an Iowa Chapter past president as nominee for regional director, awarding of prizes to student competitors in a design contest, and a series of fine presentations marked the 13th regional convention of the A.I.A. held October 8, 9, 10 at the Hotel Savery, Des Moines.

O. H. Thorson of Waterloo was unanimously awarded nomination as regional director to succeed I. Lloyd Roark, Jr., of the Kansas City chapter, who is being proposed for nomination as Second Vice-President of the Institute.

Paul B. Meyer of University of Oklahoma, Richard W. Cramer of Oklahoma State University, and John R. Ratcliffe of Iowa State University were winners of \$275, \$150, and \$75 prizes in that order in the design competition arranged by the Iowa Chapter and sponsored by the Structural Clay Products Institute. To eleven others whose entries were honorable mention for participation in the region-wide judging, book awards were made. Several hundred students in five architectural schools participated in the preliminary contests at the schools. Up to three entries from each school were forwarded for judging in Des Moines. James Neville of SCPI Region 6 participated in the award presentation. Keith Lorenzen, Waterloo, Iowa chapter education committee chairman, supervised the competition.

Panels, lectures and discussions held the interest of members and guests at every session. Among the most informative was the Friday morning panel in which Prof. Alan K. Laing of the University of Illinois, A.I.A. Vice President Philip Will, Jr., and Dr. John Harris of the Des Moines school system, were at the rostrum. This discussion was aimed at dissection of an architect's education.

Architectural Writer Walter McQuade said the criticism most frequently heard is: "Must all schools be palaces?" His comment was that in any part of the nation there are more

palatial homes, business firms and shopping centers than there are palatial schools. He also suggested that the "wall to wall environment", created for business to help solve its personnel problem, might help solve personnel problems in schools.

Judge Bernard Tomson urged the architects to assume the responsibilities of leadership in the construction industry, declaring the leadership will be taken by others if architecture defaults. He urged the architects to make themselves known as leaders.

In regional business sessions the architects gave attention to the need for closer cooperation between the chapters and the student groups, and it was moved that students be invited to attend sessions of the regional conventions. Continuation of the student competition was proposed.

Angus McCallum, president of the Kansas City chapter, was nominated to the judiciary committee.

The 1960 Regional will be at Topeka, Kan., on October 13-14-15. Frank Godding, A.I.A. is chairman.

RELATIONSHIP of the structure to the site was discussed in Garrett Eckbo's presentation at the Art Center. Shown in conversation after the talk are Charles Silletto, general chairman, O. H. Thorson, regional director nominee, Eckbo, and James Lynch, art center program chairman.



Our knowledge and experience of over 25 years in the Floor and Wall Covering Field is at your service. Call on us for solution of your problem jobs.

- Laytex Underlayments
- Asphalt Underlayments
- Vinyl Asbestos & Asphalt
- Homogeneous Vinyl
- Rubber and Cork Tiles
- Bolta-Wall Vinyl Wall Coverings
- Rubber Wall Coverings

RALPH N. SMITH, Inc.

Des Moines, Iowa

1339 2nd Ave.

AT 8-6741



***Your Sign
of
Prompt Service***

SWANSON SALES, INC.

CR 9-9793

2737 DOUGLAS

DES MOINES

... A Quality Product."

"MAKING EDUCATION A QUALITY PRODUCT" is the theme of the 1959 convention of the Iowa Association of School Boards, and the theme reflects the aims of educators at every level of operation.

Two members of the Iowa Chapter, A.I.A. are participating in sessions during the two-day meet with Gene O'Neil, Des Moines, vice president of the chapter appearing at a Breakfast Panel in the banquet room at Bishops' Cafeteria at 7:45 a.m. Friday. Clyde McFarlin, IASB President, Montezuma will be chairman for a discussion of "Practical Approaches to School Building Insurance." Other participants in the panel will be Phil Jester, Des Moines, E. W. Lundquist, Cedar Rapids, and George C. Whitmer, Des Moines.



O'NEIL

Grant Voorhees, Des Moines, will appear on a panel in Room B at 3 p.m. Friday for a discussion of "Safety Precautions in Our Schools." Lester Menke, Calumet, will preside, and others in the discussion will be State Fire Marshal Ed Herron, School Superintendent Arnold W. Salisbury, Cedar Rapids, and Albert F. Block of Davenport. A. B. Grimes, supervisor of plant facilities for State Dept. of Public Instruction will moderate.



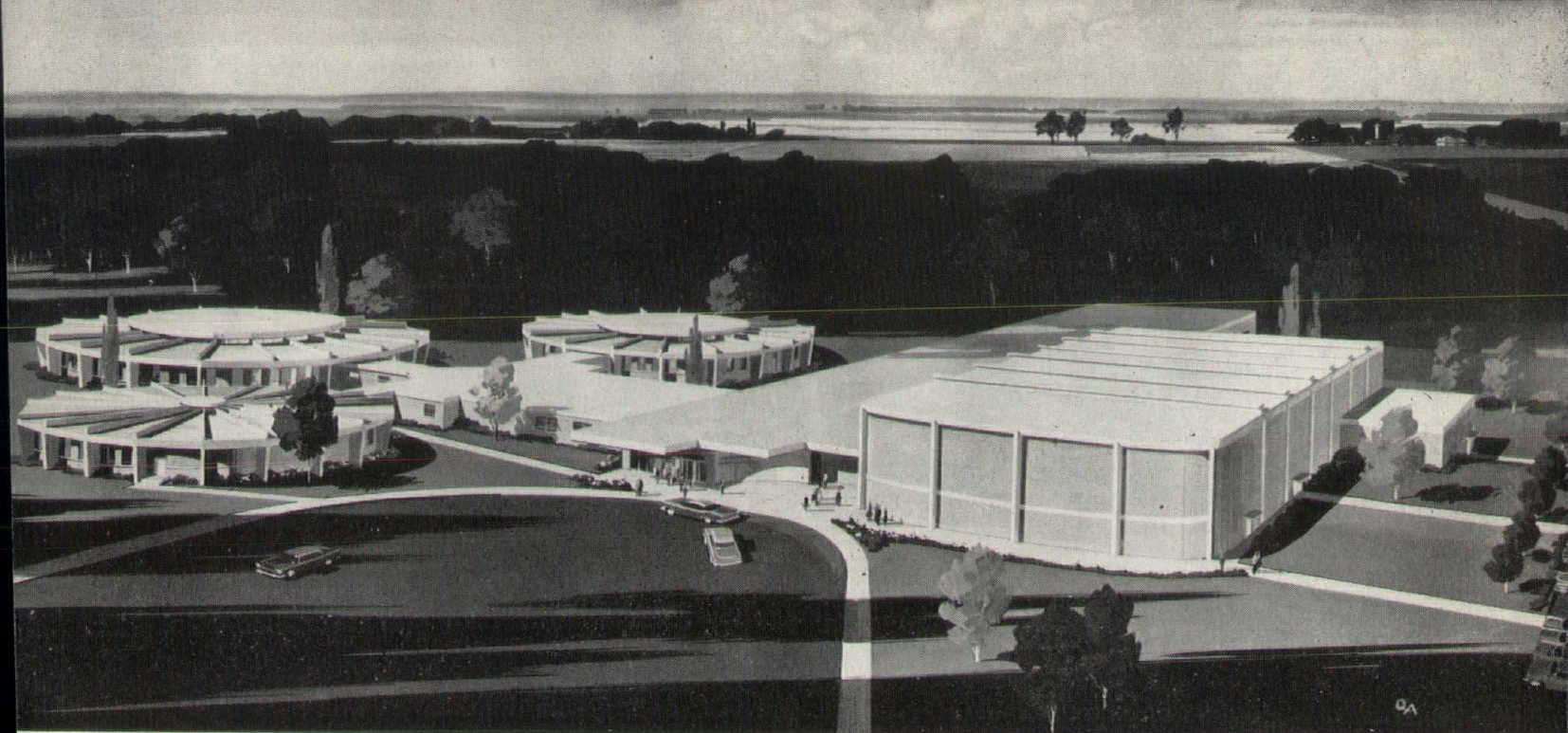
VOORHEES

The Iowa Chapter is sponsoring a display of school construction projects and these photos or renderings, plus information about the buildings may be seen at the east end of the general meeting area on the main floor of the auditorium.

Harold Payne, chapter public relations chairman, also has arranged for a booth in the display area, and has procured display materials which it is hoped will draw interest and attention to the booth. Copies of this "school special edition" of the Iowa Architect are to be handed out at the booth.



PAYNE



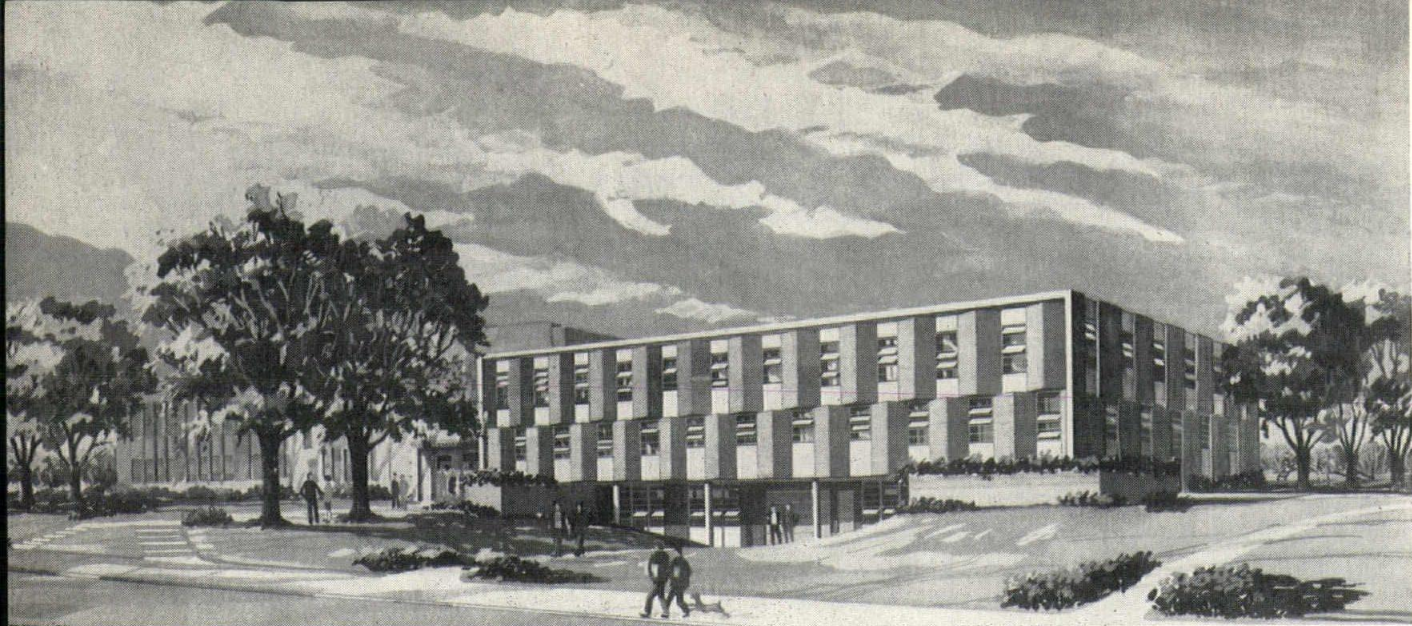
CHARLES CITY HIGH SCHOOL FEATURES CIRCULAR CLASSROOM AREAS. THE GRIFFITH COMPANY, FORT DODGE.

DESIGN BY IOWA ARCHITECTS

All members of the American Institute of Architects in Iowa were invited to submit sketches or photographs of current school projects for this issue, which is distributed at the convention of the Iowa Association of School Boards as well as mailed to the magazine's customary readers. This section is composed of material which arrived early enough for publication and could be readily reproduced in black and white. A considerable amount of additional work is represented in displays at the convention.

FORT MADISON HIGH SCHOOL. (Shown on the cover.) This structure, designed for expansion to handle 1,000 students, has an 82,000 square foot area; its gymnasium seats 2,200 persons; structure contains 16 general classrooms, little theatre, library, three shops, art and drafting areas, dining-student center-multi-purpose area. Lustra-gray glass used for glare reduction. Karl Keffer Associates.

CHARLES CITY HIGH SCHOOL. Classrooms are in the three circular areas, administration is in the center, shops in large flat-roofed area, and the gymnasium in the large rectangle. This structure makes great use of pre-stressed and pre-cast concrete for structural frame. Floors of asphalt tile, quarry tile vestibules; plastered throughout; aluminum windows; metal doors; heat is by steam.

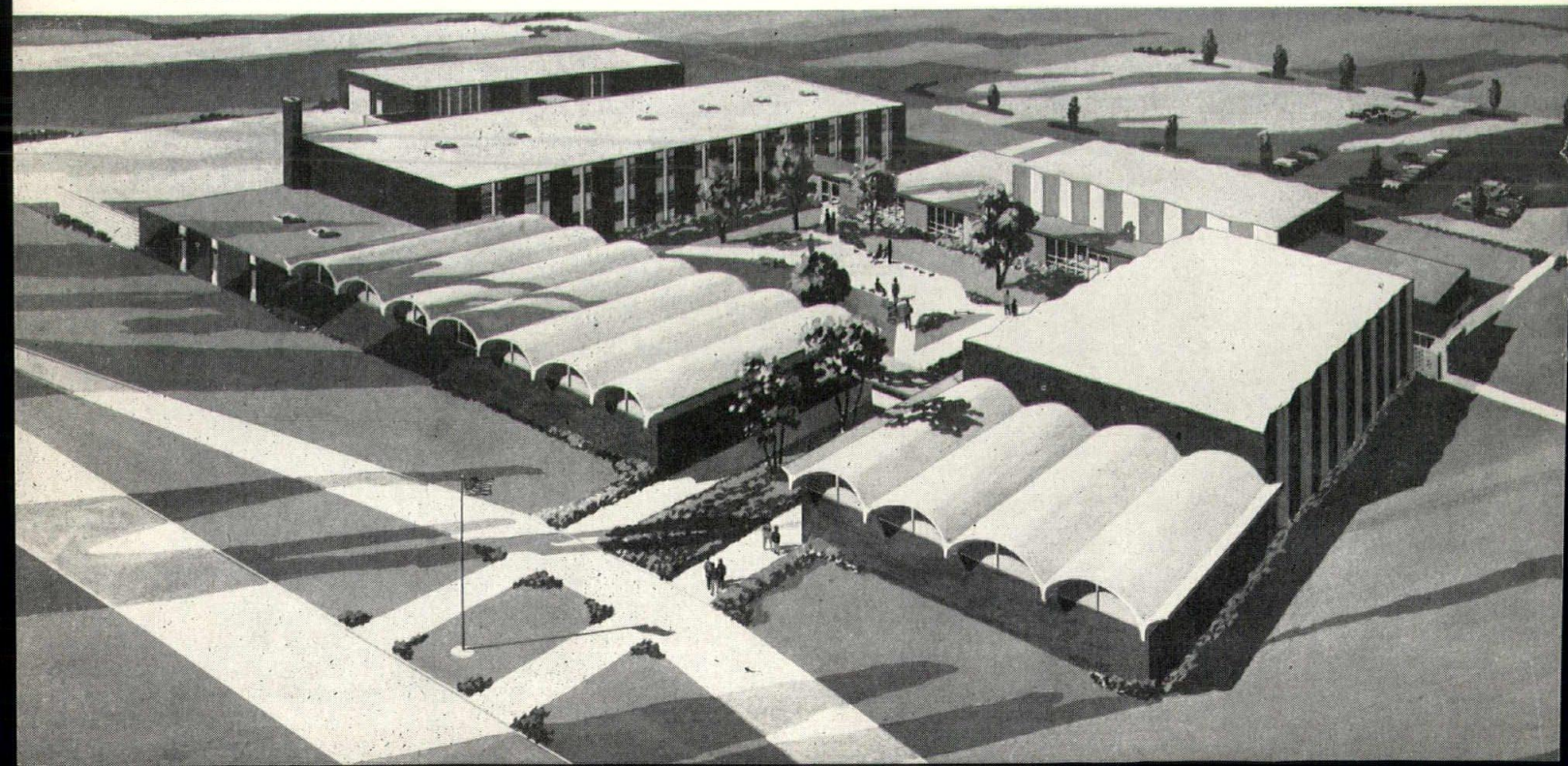


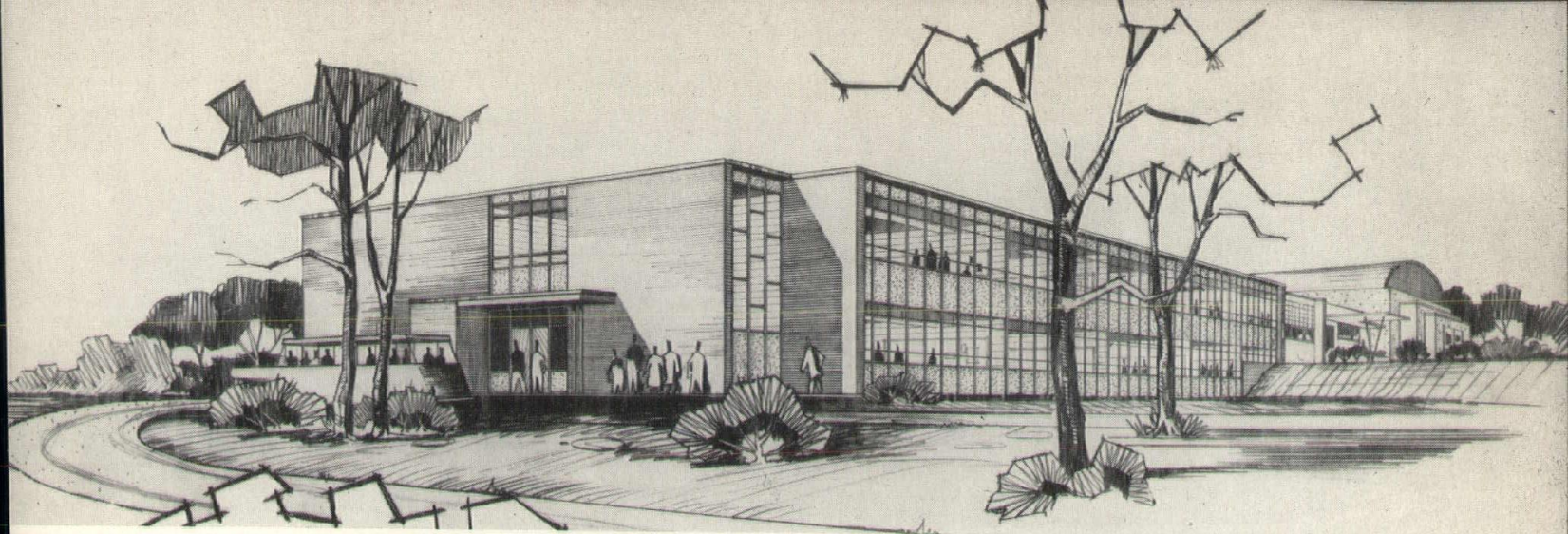
ADDITION SAC CITY SCHOOL. KINDERGARTEN TO HIGH SCHOOL. SAVAGE & VER PLOEG, WEST DES MOINES.

SAC CITY ADDITION. Kindergarten and High School units are combined in this addition to the Sac City schools. Shops are in the ground floor; two kindergartens, lunchroom, band room, Home Ec., choral on the main floor; seven classrooms, physics, chemistry and biology on top floor. Reinforced concrete floors; steel frame roof; exterior of SCR brick and cut limestone panels; aluminum windows; interior partitions of steel stud, plastered.

WEBSTER CITY HIGH SCHOOL. Plans and specifications are being completed for this new structure to accommodate 800 students. Thin shell concrete barrel vaults and steel comprise the roof; the exterior will be of brick and pre-cast concrete panels.

WEBSTER CITY HIGH SCHOOL, IN PLANNING STAGE. SAVAGE & VER POEG, W. D. MOINES.



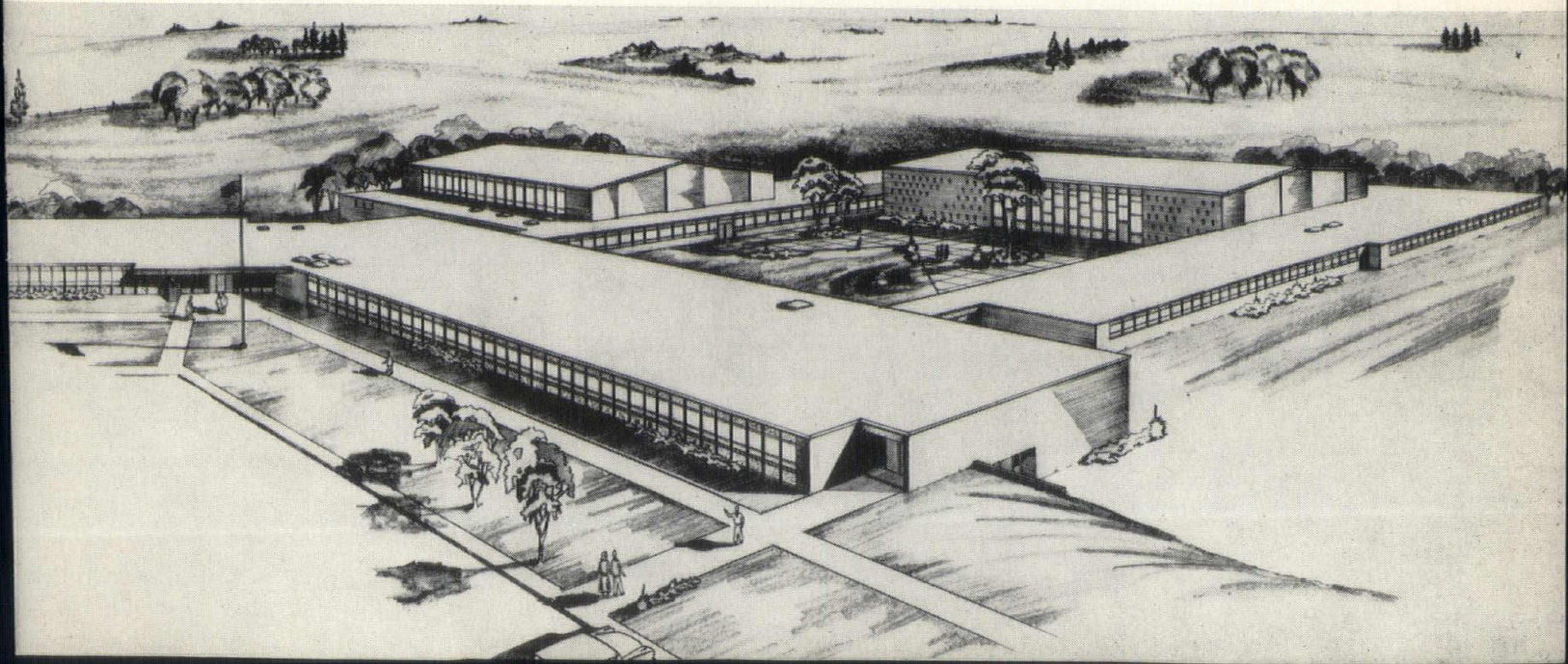


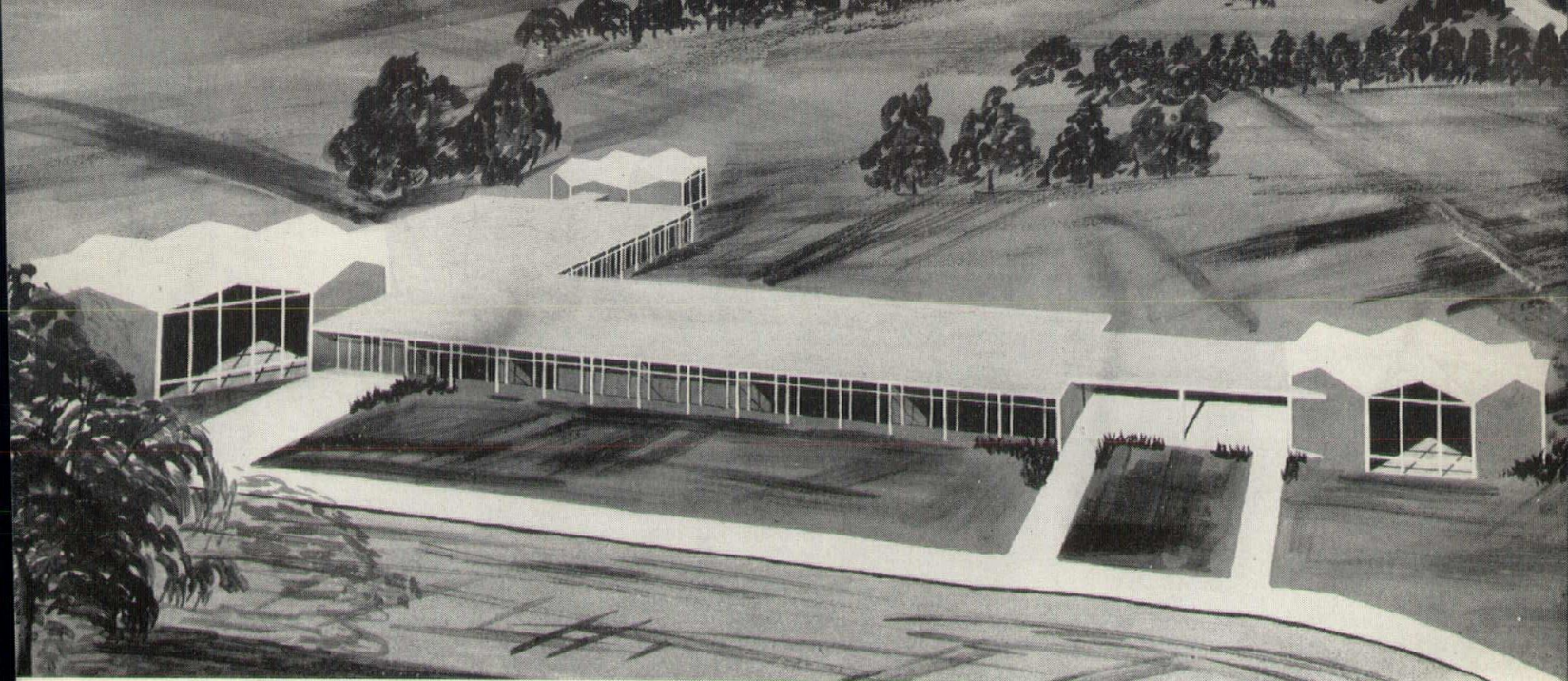
ELEMENTARY AND HIGH SCHOOL, LONE TREE. LOUIS C. KINGSCOTT & ASSOCIATES, INC., DAVENPORT

LONE TREE ELEMENTARY AND HIGH SCHOOL. Two story addition of 14 classrooms, plus toilets, band room, practice rooms, locker rooms and additional heating facilities. Pre-stressed concrete twin tees with face brick and aluminum panel wall exterior, lightweight brick base, asphalt tile floors, steam heat with unit ventilators, fluorescent lighting. Cost \$297,000. Under construction.

IOWA CITY JUNIOR HIGH SCHOOL. Constructed of reinforced concrete, face brick and panel wall exterior, metal deck, light weight brick interior walls with glazed tile base. Vinyl tile floor. The partial two-story building houses 28 general classrooms, special classrooms, gymnasium, locker room, offices, cafeteria, shops, service rooms. Steam heat, unit ventilation. Cost \$1,083,057. Under construction.

IOWA CITY JUNIOR HIGH SCHOOL. LOUIS C. KINGSCOTT & ASSOCIATES, INC., DAVENPORT.



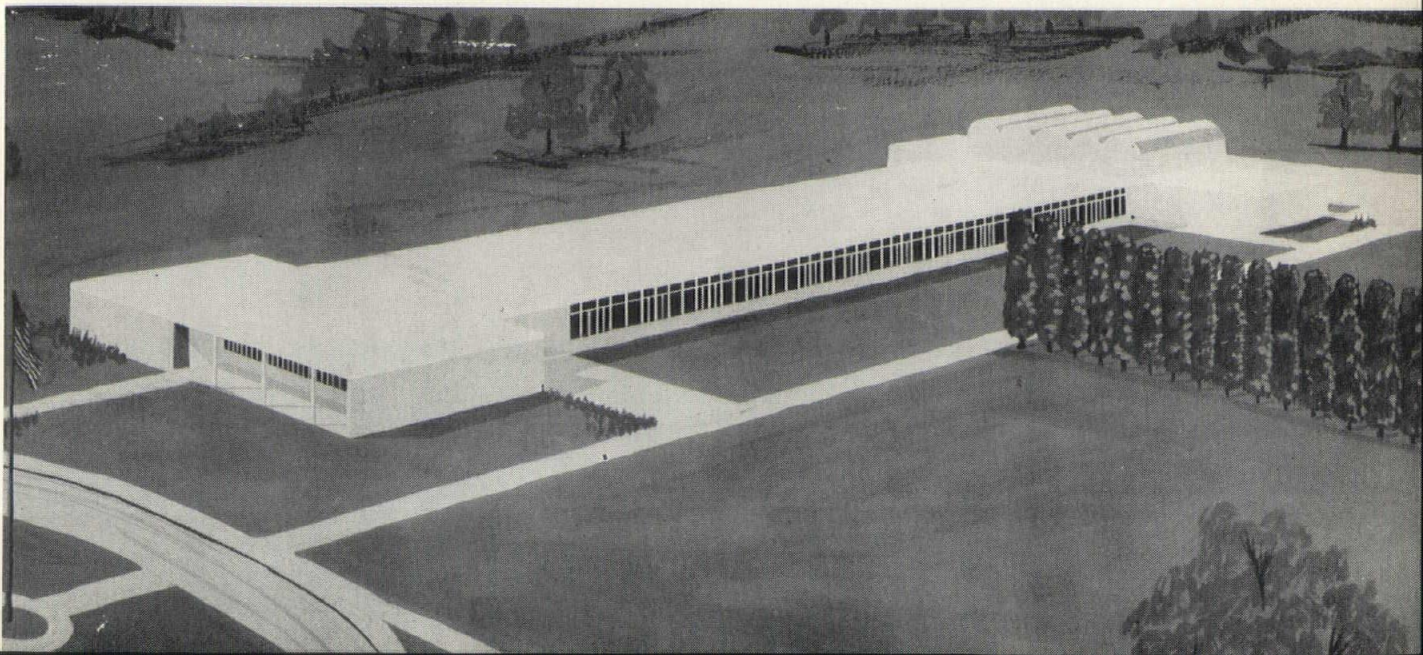


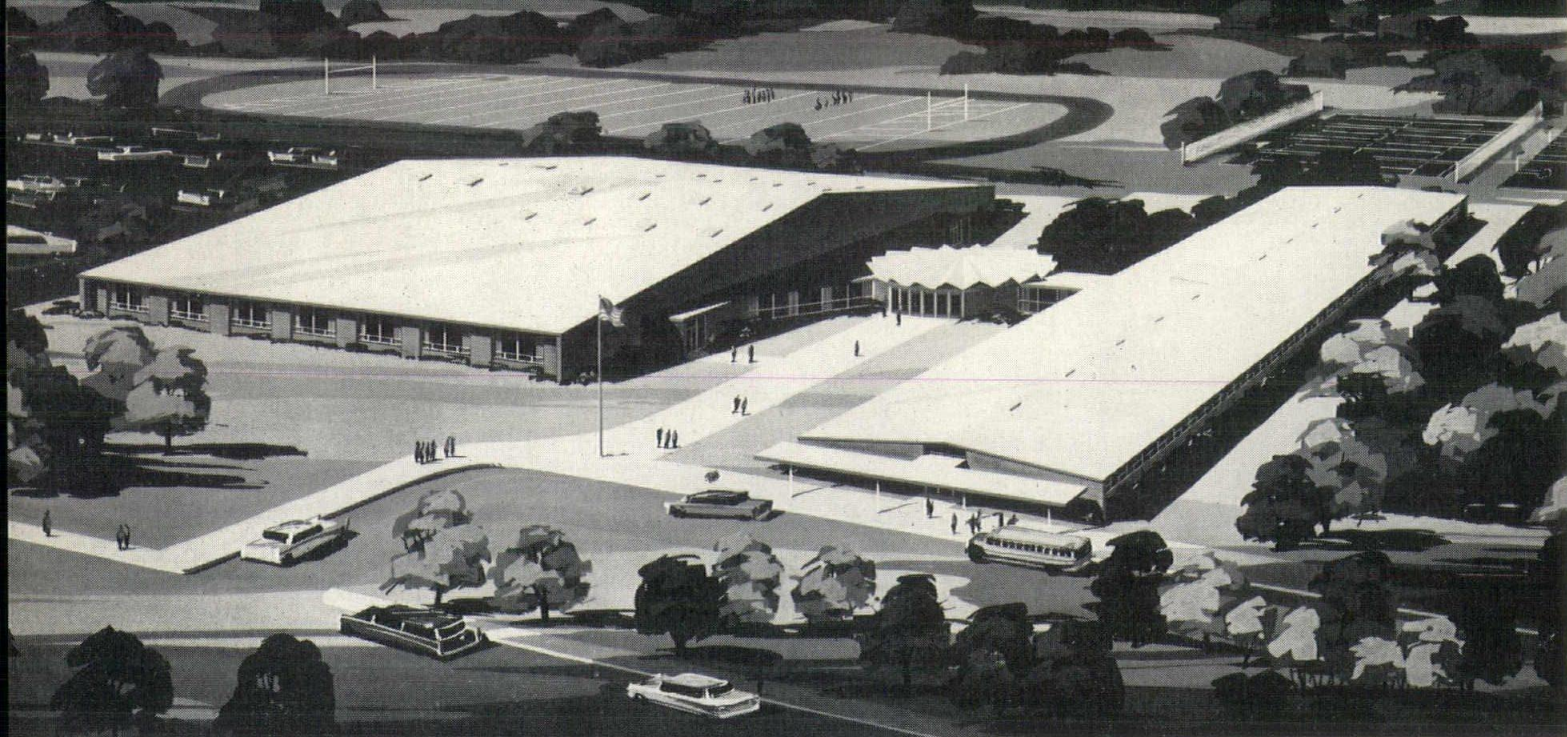
SCHAEFFER HEIGHTS ELEMENTARY SCHOOL, CEDAR RAPIDS. KOHLMANN AND ECKMAN, CEDAR RAPIDS.

SCHAEFFER HEIGHTS ELEMENTARY SCHOOL. Thin shell concrete will be used to span certain of the areas in this building which is a two-unit school with 12 classrooms and Kindergarten for grades through Six. Building includes art, music and science rooms, kitchen and multi-purpose room, toilets and administrative facilities.

46TH STREET ELEMENTARY SCHOOL. Similar in contents and structure to the Schaeffer Heights school, this is one of a group of five being constructed for the Cedar Rapids Community School district.

46TH STREET ELEMENTARY SCHOOL, CEDAR RAPIDS. KOHLMANN AND ECKMAN, CEDAR RAPIDS.

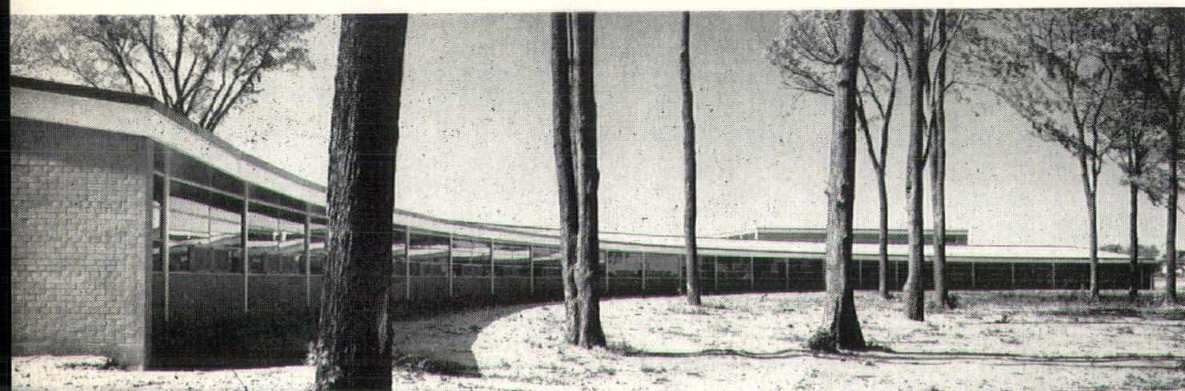




HIGH SCHOOL, CUBA CITY, WISCONSIN. FOLDED PLATE ROOF. DURRANT & BERGQUIST, DUBUQUE.

CUBA CITY HIGH SCHOOL. A round lobby framed with a folded plate roof is the focal point for this school in which a 28 foot square classroom sets the module. Eighteen teaching stations will be supplemented by a library, kitchen, administration suite and locker rooms. Exterior of gray face brick; interior

partitions are light weight concrete block with structural facing tile in locker rooms, toilet rooms and kitchen. The pitched roofs provide low window head and wide overhang for sun control. Construction begins in the Spring of 1960.



CLOVIS GROVE ELEMENTARY SCHOOL, WISCONSIN. DURRANT & BERGQUIST, DUBUQUE.

CLOVIS GROVE ELEMENTARY SCHOOL. The long curve of this school gives classrooms northeast exposure and view toward public park. K6 with 12 classrooms, two kindergartens. View at right shows interior of the curved corridor.

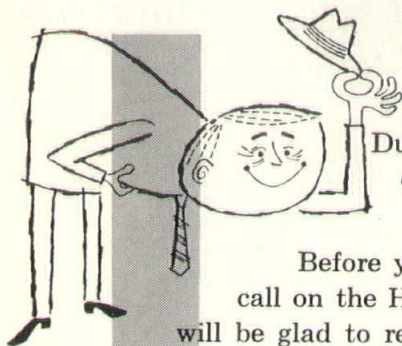


specify

HILLYARD

SPECIALIZED FLOOR TREATMENTS

And Get Free Consulting Service from the Hillyard "Maintaineer"®



The key word here is "specialized". For today's wide range of flooring and floor traffic—for today's higher standards of appearance and service—yesterday's "all-purpose" treatments will not suffice!

During more than half a century, the *Hillyard* trade mark has appeared on commercial floor treatments that set new standards for effectiveness and dependability.

Before you develop your floor treating specifications, you are invited to call on the Hillyard Maintaineer in your area. This man is a trained specialist who will be glad to recommend solutions to your floor treatment problems, act as your "Job Captain". Consider him

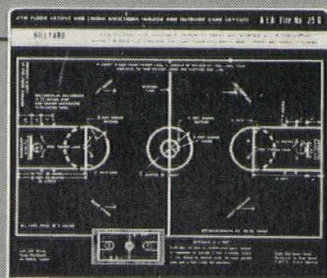
"On Your Staff, Not Your Payroll"

GUARD AGAINST THIS KIND OF HAZARD

- If not properly sealed, new terrazzo may turn dull and gray through efflorescence.
- If not properly cured, new terrazzo or concrete may chip and spall.
- If cleaning is not complete, the seal coat may freeze dirt into the floor.
- If not properly protected during interior finishing, the new floor may suffer stains that later cleaning cannot remove.
- A wax excellent for wood can be ruinous to asphalt tile.

Free for the asking:

New, revised 1958 issues of popular Hillyard AIA Floor Treatment Files. Be sure your set is complete and up-to-date.



GYMNASIUM FLOORS



WOOD FLOORS



RESILIENT FLOORS

SEE OUR CATALOG
IN SWEET'S
ARCHITECTURAL
FILE
OR WRITE FOR COPY



TERRAZZO FLOORS



CONCRETE FLOORS

"On Your Staff—Not Your Payroll"



ST. JOSEPH, MO.
Passaic, N. J.
San Jose, Calif.

Branches and Warehouse Stocks in Principal Cities



DUCHESNE SCHOOL

3601 Burt Street

Omaha, Nebraska

THOMAS R. KEOGH, ARCHITECT

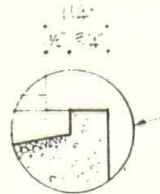
OMAHA, NEBRASKA



MIDWEST CONCRETE INDUSTRIES
WEST DES MOINES

PRECAST
CEILING
101

1" RIGID INSUL.
ON BEAM
(SEE NOTES)
PRECAST
MULLION 102



PRECAST
PANEL 104

1" RIGID INSUL.
ON BEAM
(SEE NOTES)

1/8" TEMP. MASSONITE
SET W/ MASTIC
WOOD BLINDS

1/2" GALV.
PIPE TIE-IN
(IN PRECAST)

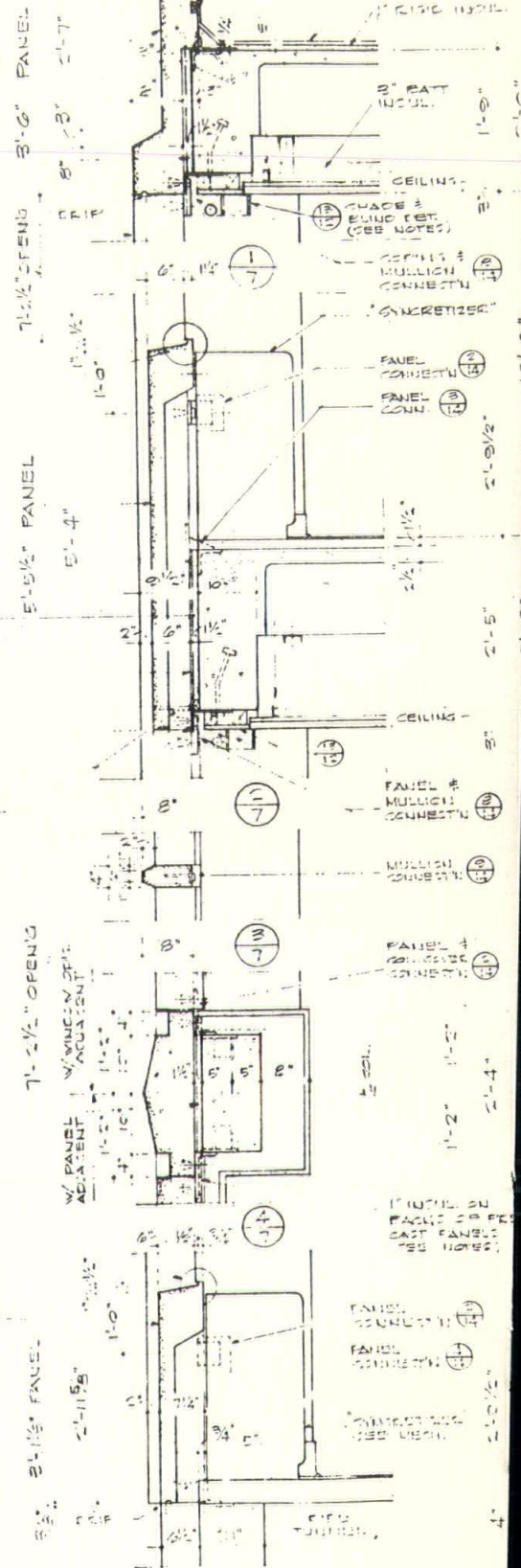
1/2" X 8" CONTINUOUS
BENT STEEL PLATE

1" RIGID INSUL.
ON COLUMN
(SEE NOTES)

SEE 101 FOR
KEYS OF LUG

PRECAST
PANEL 104

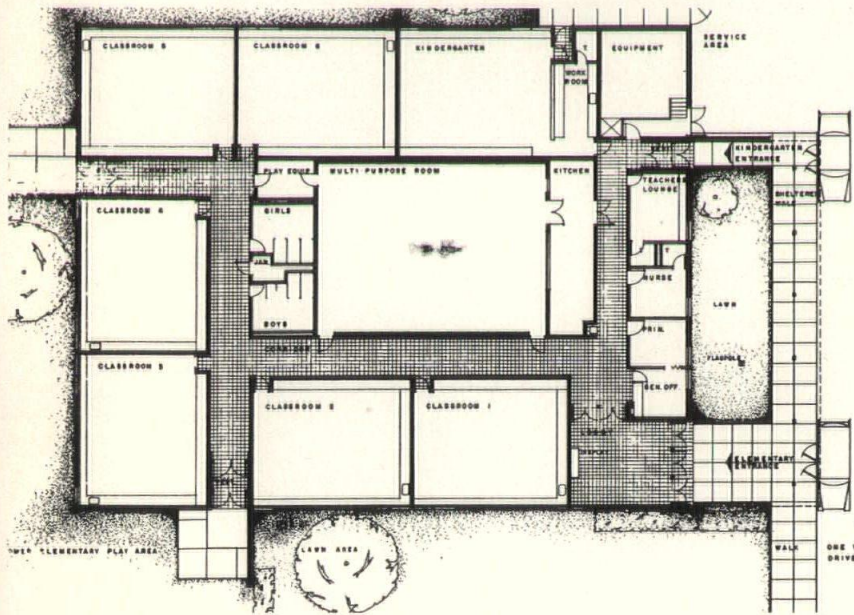
1/2" GALV.
PIPE TIE-IN
(IN PRECAST)



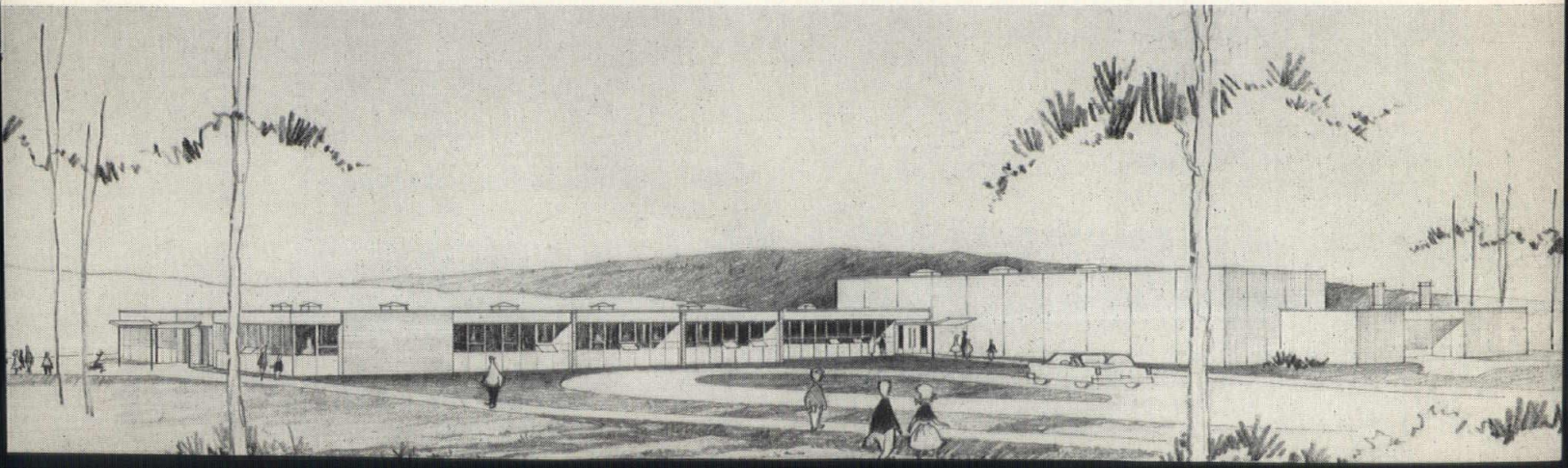
WALL SECTION



FISHER ELEMENTARY SCHOOL, MARSHALLTOWN. BROOKS-BORG, DES MOINES.



ELEMENTARY SCHOOL FOR NORTH FAYETTE COUNTY COMMUNITY SCHOOL DISTRICT. CHARLES ALTFILLISCH & ASSOCIATES, DECORAH.





LINCOLN ELEMENTARY SCHOOL, OTTUMWA. KINDERGARTEN. N. CLIFFORD PRALL, DES MOINES.

LINCOLN ELEMENTARY. Radiant ceilings in classrooms, supplemented with finned radiation and convectors mark the heating system in this K6 School. Umbrella roof construction with no load bearing walls; aluminum window wall with porcelain enamel panels below vent sections; face brick exterior with some interior panels. Suspended acoustical ceilings, except in boiler room, and exposed construction in all-purpose room. Cast in place perlite insulating concrete roof deck over galvanized corrugum.

PICKWICK ELEMENTARY. Construction details of this project are similar to those for Lincoln (above). Owner specified that design eliminate congested corridors, provide maximum segregation of children by age level, no lunch program required.

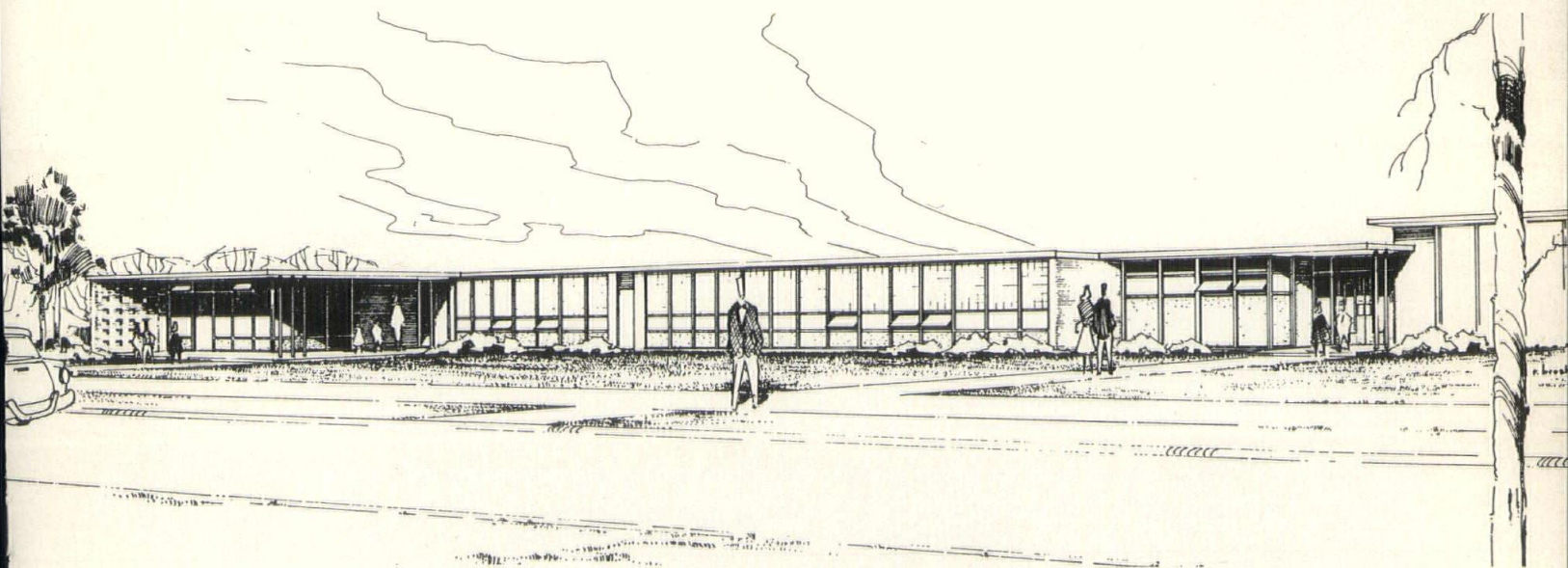
PICKWICK ELEMENTARY SCHOOL, OTTUMWA. N. CLIFFORD PRALL, DES MOINES.





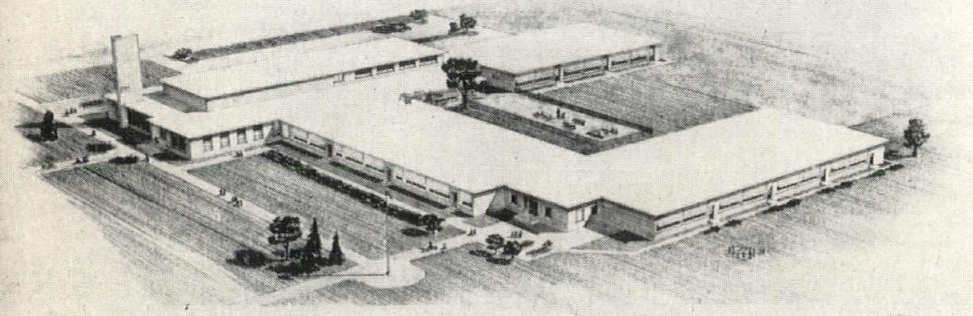
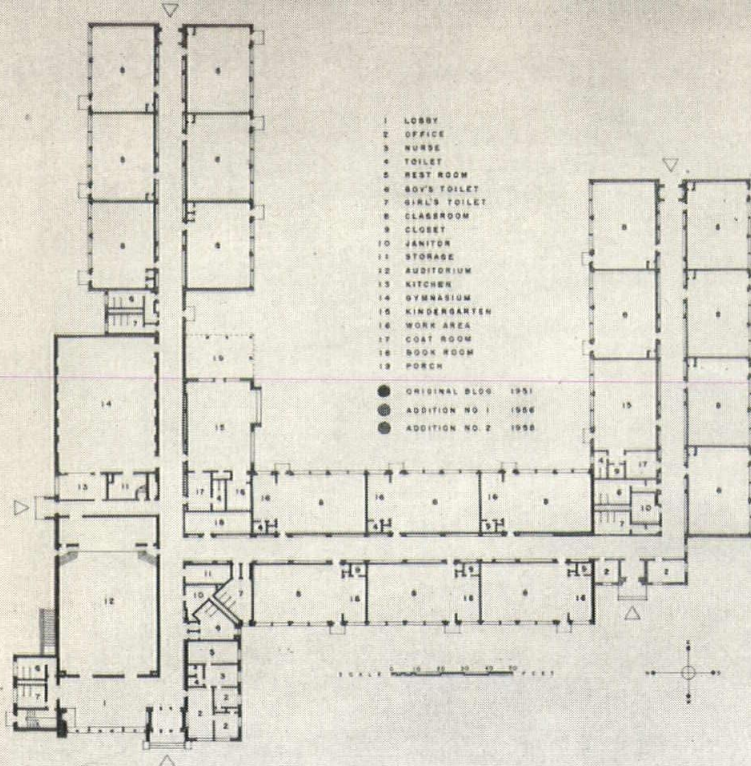
CENTRAL AVENUE ELEMENTARY SCHOOL, BURLINGTON. DANE D. MORGAN AND ASSOCIATES, BURLINGTON.

CENTRAL AVENUE ELEMENTARY. Plastic skydomes provide additional natural lighting for the interior of classrooms, and exterior windows are tinted to reduce glare. Current multi-purpose room will be converted to two classrooms and new multi-purpose room added when expansion necessary. The residential design of sloping roof and low over-hang was developed to reduce scale and blend in residential neighborhood. All walls and partitions are of masonry, exterior surfaces are brick. Roof construction is of laminated wood beams and Tectum decking.



ELEMENTARY SCHOOL, CLARKSVILLE, IOWA. THORSON & BROM, WATERLOO.

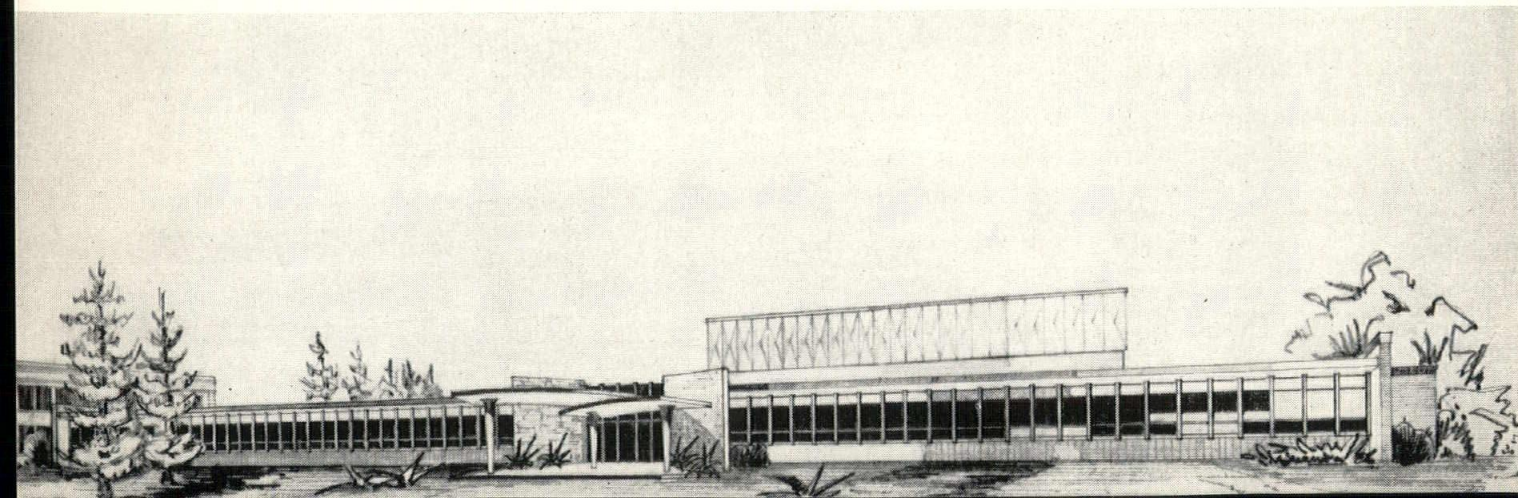
CLARKSVILLE ELEMENTARY. A kindergarten and nine classrooms are included in this project which now is nearing completion. The contract cost is \$133,000.



MEEKER ELEMENTARY SCHOOL. TINSLEY, HIGGINS, LIGHTER & LYON, DES MOINES.

MONTEZUMA HIGH SCHOOL ADDITION. Brick, stone, insulated aluminum panels and aluminum windows comprise the exterior of this addition which provides administrative quarters, additional classrooms, gymnasium, locker rooms, agriculture shop, science laboratory, library and lunchroom. Construction is steel frame with bar joist roof; removable acoustical metal pan ceilings. Air conditioning provided for administrative offices; provision made for future air conditioning of classrooms.

HIGH SCHOOL ADDITION, MONTEZUMA COMMUNITY HIGH SCHOOL. WETHERELL & HARRISON, DES MOINES.



Technology of Architecture . . .

THE ADVANCE OF architecture as it grasps new materials in a period of great technological change has led to the theme "The Technology of Architecture" for the 1960 convention of the Iowa Chapter, A.I.A. Dates are January 28-30 at the Hotel Savery, Des Moines.



PRALL

General Chairman N. Clifford Prall announced the theme following an October 30 meeting with the Chapter Executive Committee, and said the subject matter would be aimed principally at uses of modern materials and construction techniques.

Prall also reported that three major decisions had been made in regard to the program. They are:

1. There will be provision for advance registration and chapter members will be urged to do so.
2. The chapter will not make provision for commercial exhibit booths or displays.
3. A portion of the program will be set aside for discussions of problems of statewide interest to the profession.

With preparations for the state convention coming "on the heels" of the regional meeting, Chairman Prall said he was not ready to name all members of his committee, but that he was contacting individuals to accept responsibility for various portions of the two-day meeting.


Mrs. John McKlveen of Des Moines has accepted the duty of coordinating the women's program, Prall said.

"We plan to put together a program which has a definite pattern from start to end, so that each member attending will be able to relate each subject with the ones which precede or follow it," he explained.

Elections will be held Friday morning, and it is anticipated a nominating committee will report at the Thursday evening chapter meeting.

HONOR AWARDS PROGRAM

The Institute has announced its 12th annual program of National Honor Awards. The awards in this program will be made for distinguished accomplishment in architecture by an American architect for any building in the United States, or abroad, completed since January 1, 1955. All entries in the preliminary submission must reach the Octagon before January 15, 1960.




WHAT'S ON YOUR BOARDS NOW?

☐ HOMES
☐ CHURCHES
☐ FARM STRUCTURES
☐ INDUSTRIAL PLANTS
☐ COMMERCIAL BLDGS.

☐ SCHOOLS
☐ MOTELS

Now You Can Specify the
**FIRST
INSULATION**
that satisfies all requirements for
**BLOCK and CAVITY
WALLS!**



SPEEDY APPLICATION AT O'HARE CHICAGO MOTEL

Workman filling cores of blocks at new motel near Chicago's O'Hare Field International Airport. Also used in cavity walls between rooms. Arch.: Arthur Swanson. Gen. Contr.: John Theodosakis.

Rendered water-repellent by a special patented process, *Zonolite Masonry Fill* meets an age-old need for an insulation that will remain *permanently dry and efficient* in block and cavity walls. By actually doubling the insulating value of such walls, it often eliminates the cost, labor and delay of installing interior wall treatment...saves up to 50% on heating costs...25% on air conditioning. Low in cost, 100% fire safe, fast and easy to install, Zonolite Masonry Fill gives you free use of the exciting new versatility of this type of construction. Mail coupon now for full details.

ZONOLITE®

WATER-REPELLENT
MASONRY FILL INSULATION

MAIL COUPON
For Free Data
Booklet

WESTERN MINERAL PRODUCTS COMPANY
1720 Madison Street N.E., Minneapolis, Minnesota
Send me booklet MF-2 giving complete data on Zonolite Masonry Fill Insulation.

Name _____
Firm _____
Address _____
City & Zone _____ State _____

25

CHARLTON

EQUIPMENT COMPANY
DES MOINES

AT YOUR SERVICE

With

BRUNSWICK GYMNASIUM
EQUIPMENT

MITCHELL TABLES AND
BENCHES

MENGEL MODULAR SLIDING
DOOR CLOSETS

PLASTECO PLASTIC
SKYDOMES

FAIR-PLAY ELECTRIC
SCOREBOARDS

DESCO VITRO GLAZE

(Enameled Cement)

TERRAZZO CERAMIC TILE

For Information, Write or Phone:

Sioux City Mosaic Co., Inc.

WEST FIRST AND REBECCA STREETS

5-5653

SIOUX CITY 3, IOWA

Established 1920

Member of
National Terrazzo and Mosaic Ass'n.
Desco Vitro Glaze Ass'n. of America
Northwest Terrazzo Ass'n.

NEW SHADOWAL... Pattern On Both Sides

In addition to regular SHADOWAL, we are now making SHADOWAL with the pattern on both sides of block. Ideal for partition walls, basement walls above grade, Split Level Construction, and for commercial buildings.

BES STONE SPLIT BLOCK

The block with the look of quarried stone. Variety of colors.

LATTICE BLOCK

An ideal block for use in solar screen walls,
fences, and many decorative purposes.

CONCRETE . . . MARQUALITE . . . HAYDITE BLOCKS

OUR NEW AUTOMATIC BATCHING EQUIPMENT INSURES
UNIFORM MEASURING AND MIXING OF AGGREGATES—
THUS PRODUCING A MORE UNIFORM BLOCK.

MARQUART CONCRETE BLOCK COMPANY

110 Dunham Place — Waterloo, Iowa

Phone ADams 3-8421

Masonry Tools & Supplies

Distributor Sonneborn Products

Camera Captives

Regional council in session . . . rapt attention to a World Series TV game . . . bus rides to the show . . . bright sun warms crowd at the art center . . . reflections in the pool . . . Speakers at the rostrum . . . Panels and discussions . . . Listeners in the auditorium . . . the Terrace room . . . Attentive luncheon crowd . . . Iowa's Governor Loveless enjoys speaking to the architects of Iowa . . . Another Regional is history.

✓ 36 years of service
to Iowa Schools

✓ chalkboard
specialists

✓ natural slate--
tomorrow's best
chalkboard

✓ Neal washable
plastic-finished
cork tackboard

✓ Gotham "Screw-Tite"
(economy) and
"Snap-Tite" (1st
quality) aluminum
trim

✓ Gotham chalkboards

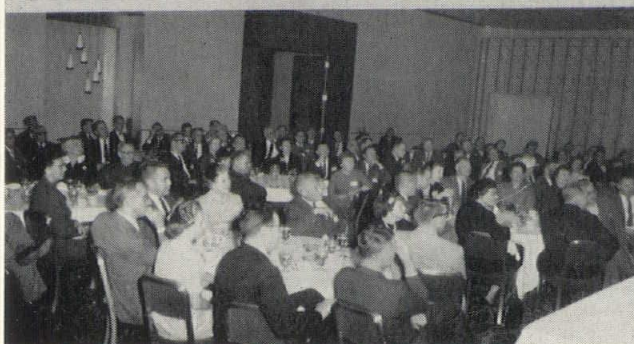
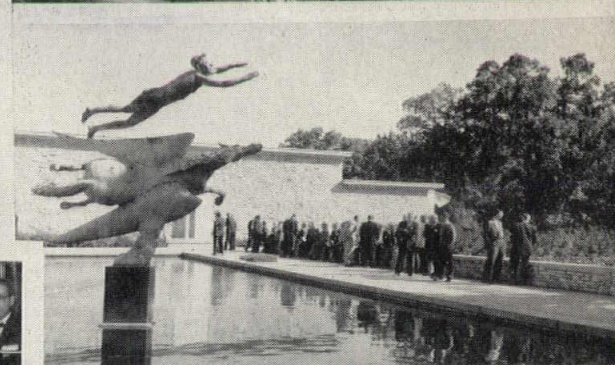
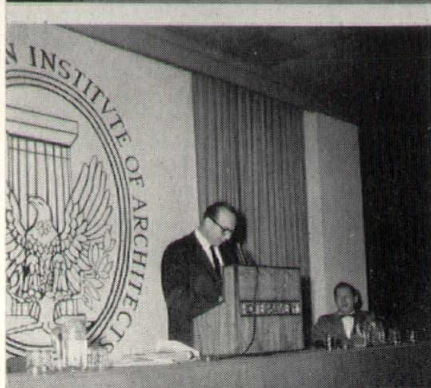
✓ the only complete
chalkboard line
in the industry

W. E. Neal Slate Company

1121 Dartmouth Ave., S.E.

Minneapolis 14, Minn.

FE 9-2783



Swimming Pool Equipment

- **Vacuum and Pressure Diatomite Filters**
- **Zeolite Softeners**
- **Chemical Feeders**



For Information Write or Call



WATERITE CO.

OMAHA, NEBRASKA

Phone PLeasant 5582

PAINTABLE

SOUND CONDITIONING WITH ACOUSTI — CELOTEX

PERMANENT

Acousti-Lux Translucent Acoustical Ceilings

For quieting noisy offices, schools, hospitals and industrial areas

LATHING and PLASTERING

Commercial — Industrial

CURON — sound absorbing, colorful wall covering (by Curtiss - Wright Corp.)

CLEARCITE Green Chalk Boards and Cork Bulletin Boards by Claridge Products.

NATURALITE Plastic Skydomes and ceiling windows.

METAL SUSPENDED CEILING Systems, exposed grids with acoustical panels.

Steel Roof Decks—Insulated Wall panels—Cellular Steel Floors

by R. C. MAHON COMPANY

Baker Scaffolds

Emco Wardrobes and Power Partitions

ALLIED CONSTRUCTION SERVICES, INC.

Des Moines Office
Ray Winfield, Mgr.
412 E. Grand
Phone: AT 8-4855

R. L. Maddox, President
412 E. Grand Ave.
Des Moines, Iowa
Phone: AT 8-4855

Davenport Office
Mel Murdy, Mgr.
P. O. Box 206
Phone: 5-2651

DIRECTORY OF ADVERTISERS

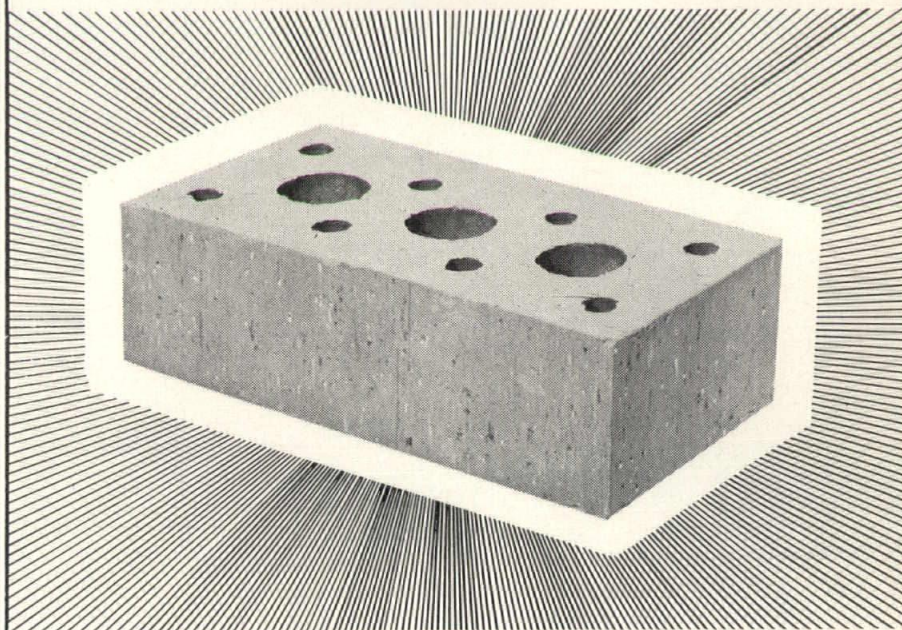
The Iowa Architect takes pleasure in welcoming a number of new advertisers in this second "school special" edition, and also welcomes the return of a number of advertisers who first made their appearance in this publication a year ago.

The following firms appear in this issue, or are among the regular advertisers:

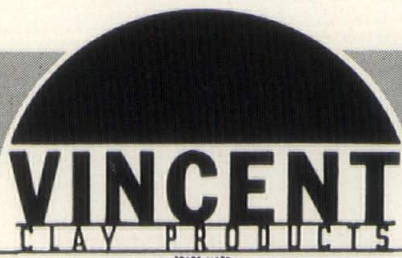
ADEL CLAY PRODUCTS CO.
AIRKEM SALES OF IOWA
ALLIED CONSTRUCTION SERVICES, INC.
AMERICAN AIR FILTER
Herman Nelson Division
BLUMCRAFT OF PITTSBURGH
CAISSON CORPORATION
CHARLTON EQUIPMENT CO.
ROLLIN B. CHILD
DES MOINES STEEL CO.
GIBSON-TOWNSEND
GOODWIN COMPANIES
HALDEMAN-HOMME, INC.
HILLYARD CHEMICAL CO.
IOWA CONCRETE BLOCK & MATERIALS CO.
IOWA PAINT MANUFACTURING CO.
IOWA PAINT AND HARDWARE CO.
KEWANEE BOILER CO.
MARQUART CONCRETE BLOCK CO.
MIDWEST CONCRETE INDUSTRIES
W. E. NEAL SLATE CO.
PIGGOTT SUPPLY CO.
PORTLAND CEMENT ASSOCIATION
PRESCOLITE
SHEFFIELD BRICK AND TILE CO.
SIOUX CITY BRICK AND TILE CO.
SIOUX CITY MOSAIC CO.
JAMES L. SMITH CO.
RALPH N. SMITH CO.
R. S. STOVER
STRUCTURAL CLAY PRODUCTS INSTITUTE
SWANSON SALES
VINCENT CLAY PRODUCTS
WATERITE CO.
WESTERN MINERAL PRODUCTS CO.
ZEINER CONSTRUCTION SERVICE, INC.

SOFT-TONE RED WIRE-CUT FACE BRICK

VINCENT RUSTICS



A face brick of unusual texture and soft-tone. Especially desirable where a rustic effect is to be achieved without sacrificing uniformity and style. Available in Nominal-8", Norman and SCR sizes. Sample panel and complete information upon request.



EXCLUSIVE DISTRIBUTOR FOR
ELGIN-BUTLER BRICK COMPANY, AUSTIN, TEXAS
RELIANCE BRICK COMPANY, DALLAS, TEXAS
and
MATCO CERAMIC GLAZED TILE CORPORATION
Ask for complete literature or sample panels showing both glazed and unglazed brick of the highest quality.

FORT DODGE, IOWA

Manufacturers of Superior Face Brick, Glazed Tile, Building Tile, and Drain Tile.

OFFICE **PHONE** **FACTORY**
State Bank Building • 3-7851 • 2½ Miles South of Fort Dodge

Some

Good

Bricks



An apprentice bricklayer might not win a prize with this lay-up, but he was working with uncommon clay.

Top left, left to right: Mr. and Mrs. Eugene O'Neil, Mr. and Mrs. George Peterson. Center, Mr. and Mrs. R. Wayne Lyon, Mrs. George Russell, Mr. and Mrs. Lyle Howard. Right, Mr. and Mrs. Amos Emery. Center, left, John Wetherell carves clay. Center, Mrs. D. J. Quade, Harold Bullington, Mr. and Mrs. Bill Taylor, Mrs.

Bullington, Durwood Quade. Right, Mrs. Walker, Mrs. Melroy, Roy Nasr, Charles Melroy. Lower, left, Mr. and Mrs. John Brown, Mr. and Mrs. Robert Ramsey, Mr. and Mrs. N. Clifford Prall. Center, Clay Party hosts Dale Gilbert of Redfield, Billy Goodwin, Jr., Mrs. Gilbert, Vern and Mrs. Fobes of Mason City. Right, Stan Hess works up a design.

ODOR ELIMINATION SPECIALISTS



AIRKEM

Odor Counteraction
and Sanitation Products

• for a healthier environment and through modern chemistry, we can remove all types of odors from—

INSTITUTIONS
PUBLIC BUILDINGS
HOTELS
SCHOOLS
INDUSTRIAL PLANTS

• Ranging from smoke odor after a fire to stale or musty odors from people congregating in enclosed areas.

Write us for free estimates and appraisals, or for information on a healthier school or building by plan.

AIRKEM SALES OF IOWA, INC.

P. O. Box 1022

Des Moines, Iowa

CORD WALL

BY

CORDLEY & HAYES

Triumph in Electric Water Coolers

WALL HUNG

FLUSH MOUNTED

FOR

SCHOOLS

HOSPITALS

OFFICES

INDUSTRY



Represented By:

GIBSON - TOWNSEND COMPANY

210 MASONIC TEMPLE BUILDING
DES MOINES, IOWA

PERSONAL & PROFESSIONAL

GLENN LUNDBLAD discussed trend in architecture before the October meeting of the Jaycee Sues at Green Gables, Sioux City.

RAY BERGQUIST said the schools of the future must be planned to meet an accelerated degree of change in our ways of life. He spoke to the Dubuque Rotary club in October.

KEITH LORENZEN, Waterloo, reports he already is receiving requests for architectural speakers at high school career days. Architects wishing to participate in this profession-strengthening activity, please inform Keith of your willingness and desire.

F. LEE CARNES JOINS N. CLIFFORD PRALL

F. Lee Carnes, an associate member of the chapter, has joined the staff of N. Clifford Prall, Des Moines. Carnes had been a member of the staff of Tinsley, Higgins, Lighter and Lyon for the past 14 years and previously had been with Tinsley & McBroom in the late 1920's and 1930's.

IOWAN ELECTED

Frank Delany of the Metz Manufacturing Co., Dubuque, Iowa, has been elected a vice-president of the Architectural Woodwork Institute. Elections were held at Chicago in mid-October.

REVISE WORK SURVEY

The Institute has completely revised procedures for its Current Work Survey which reports on building construction work on the drawing boards of the nation's architects.

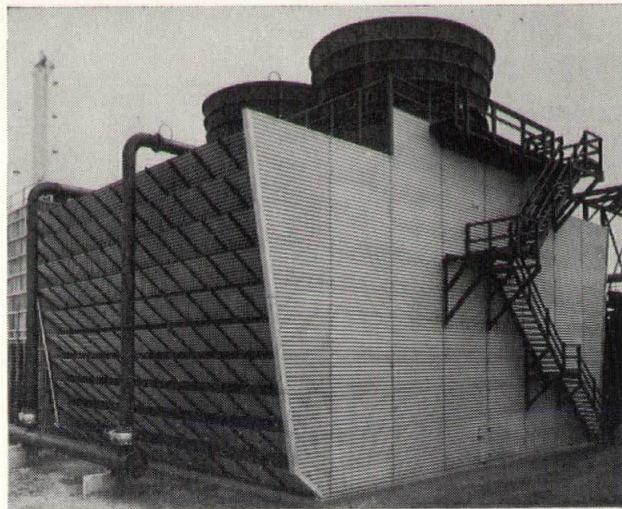
Results of the Survey will be announced every three months under the new plan, instead of every six months as previously. Some 9,500 architectural and engineering firms participate in the survey.

FEDDERSEN TO IOWA

Phil H. Feddersen, a member of the Michigan Chapter, A.I.A., has established an office for the practice of architecture at 818 North Second Street, Clinton, Iowa.

NEW A.I.A. "CAREER" FILM

Designed for showing to 8th, 9th and 10th grade students, a new A.I.A. semi-animated color film provides a vivid, short, course on the meaning of architecture. It is intended to stimulate discussion of architecture as a career, and to provide some basic ideas on architecture appreciation.



Engineered for engineers...

MARLEY COOLING TOWERS

The professional engineer is quick to recognize products that are themselves engineered by professionals—a fact that accounts for his overwhelming preference for Marley cooling towers. Leadership in design, superiority of performance, skill of manufacture, ease of installation, simplicity of operation—these are the marks of Marley towers that set them apart from those of other makes.

For example, the new Marley Class 600 Double-Flow represents technological advances of major importance to everyone in industry—a tower so different in concept, appearance, and performance that it can be classed with no other industrial tower.

Represented in
Iowa by . . .

**R. S. STOVER
COMPANY**

3½ W. MAIN PHONE 5557 MARSHALLTOWN, IOWA

MBI DATES — DECEMBER 1 - 2

President James W. Cawdrey of the Associated General Contractors of America, Inc., will be the principal speaker at the 48th Annual Convention of the Master Builders of Iowa at the Hotel Savery, Dec. 1 and 2.

Ken Lewis, MBI Executive Secretary, said other major speakers would be Dr. Kenneth McFarland

of Topeka, Kan., and Tom Collins, a Kansas City humorist. About 600 contractors, architects, and industry representatives will attend.

Events include a luncheon and banquet Dec. 1, a "Hot Stove" luncheon for men and a style show and lunch for the ladies on Dec. 2. Final event will be a buffet dinner and dance Dec. 2.

SWEETS DETERMINATIONS

Determinations of the qualification of firms to receive the 1960 edition of Sweets' Catalogs now is being conducted by F. W. Dodge Corp. offices throughout the 37 eastern states.

Walter Enoch, Des Moines office manager for the firm, said qualification for receipt of the architectural set of catalogs is dependent primarily upon the following factors:

A basic dollar-volume of business during the past year, but excluding all industrial type construction, and all projects of less than \$50,000 total construction cost.

Distribution of the architectural set is made annually in February; industrial and light construction sets follow soon afterward.

UNDERGOES SURGERY

Prof. Leonard Wolf, head of the Dept. of Architecture, ISU, is recovering at home from abdominal surgery which prevented his participation in the regional convention.

SEE US AT THE IOWA ASSN. OF SCHOOL BOARDS
CONVENTION NOV. 19 & 20

PIGOTT, INC.

3815 Ingersoll Ave., Des Moines 12, Iowa

CRestwood 9-8879

Iowa's Only Exclusive School Equipment Specialists

PRODUCTS TO COMPLIMENT YOUR BUILDINGS

- ▶ STORAGEWALL modular cabinets for all casework applications
- ▶ HUF COR & RATOX folding doors
- ▶ MID-CENTURY library furniture
- ▶ LEONARD PETERSON science equipment
- ▶ GRIGGS school & auditorium seating
- ▶ BARCOL WARDROBE door
- ▶ HAWS folding partitions
- ▶ SCHIEBER INWALL tables & benches
- ▶ E-Z FOLD basketball backstops
- ▶ FLEETWOOD classroom cabinets
- ▶ REPUBLIC STEEL lockers & kitchens
- ▶ AMES steel bookstacks
- ▶ U. S. PLYWOOD chalk & tackboard
- ▶ SAFWAY telescoping bleachers
- ▶ MITCHELL folding stages & stands

SCHOOL EQUIPMENT SPECIALISTS

Lloyd Patterson—Eagle Grove—Northwest—Bill Asher—Clarksville—Northeast
George Buckingham—Des Moines—Southwest—Elvin Eischen—Des Moines—Southeast
Fred and Dick Pigott counties around Des Moines and Iowa and Nebraska Architects
Warren Fulton, Jr.—Installation supervisor for Iowa and Nebraska

Use Our Equipment Planning and Consultation Service

PIGOTT, INC.

3815 Ingersoll Ave., Des Moines 12, Iowa

CRestwood 9-8879

A Few Lighting Fixtures from the **PRESCOLITE** NEW PRODUCT PARADE



The original weather proof, "DieLux" diecast aluminum bracket and ceiling lights now in 150-200 watt sizes.



write for
further information

PRESCOLITE MFG. CORP.
2229 Fourth St., Berkeley, Calif.
FACTORIES: Berkeley, Calif. • Neshaminy, Pa. • El Dorado, Ark.

Nominate Your Craftsman

CHAPTER MEMBERS of the A.I.A. are being called upon to submit nominations for craftsmen whose skill, character and industriousness should qualify them for consideration of awards from the Iowa Chapter, A.I.A.



LYON

R. Wayne Lyon, chairman of the chapter committee on relations with the construction industry, said the committee is anxious to have nominations of "top quality" workers from throughout the state, and whose nominations are put forward by architects.

Lyon said the committee would like to have the nominations as early as possible in December so that all details may be handled well in advance of the 1960 convention.

The awards program, in which outstanding men in the various crafts are given recognition at the annual chapter convention banquet, has been one of the most appreciated programs undertaken by the Iowa chapter.

bouquets received

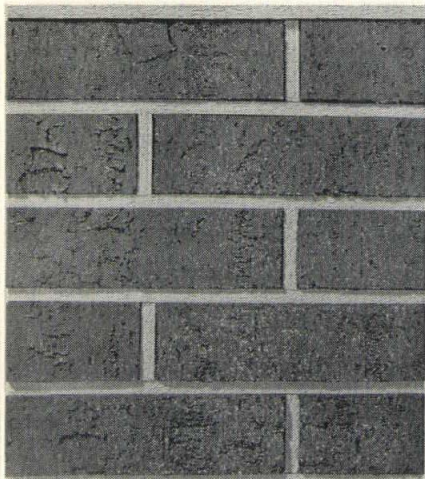
I. LLOYD ROARK JR., Regional Director A.I.A. wrote Iowa Chapter President George Horner following the Regional Conference held in Des Moines October 8-10:

"I want to thank you and your fine Iowa Chapter for a most enjoyable Conference. It came off as a fine team effort and you fellows should be pleased with the work of the young Members. . . ."

LINUS BURR SMITH, chairman of the department of Architecture at the University of Nebraska, wrote:

"The purpose of my note is to tell you what a fine meeting all of you conducted at Des Moines. Not only was it the best regional meeting I have ever attended, but the personal courtesy, hospitality and kindness displayed by the many people who were unknown to me as well as my friends, made it a most memorable occasion."

ADEL'S NEW ANTIQUE-100

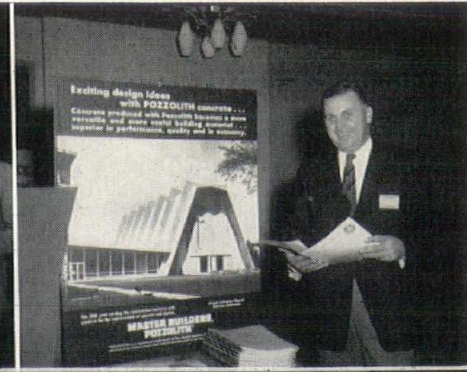


**A Period Texture
with a
Modern Color**

Adel Clay Products Co.

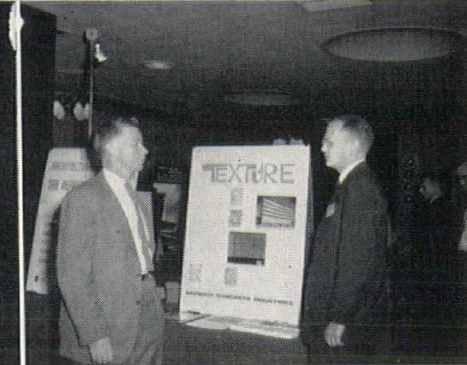
STIPPLE MATT FACE TILE AND BRICK AND OTHER VITRIFIED CLAY PRODUCTS

SALES OFFICE AND WAREHOUSE
101 ASHWORTH RD. WEST DES MOINES, IA.



REGIONAL EXHIBITORS

Eight firms responded to the Chapter's invitation to participate in sponsorship of the Regional Conference by displaying name and product cards in the lobby of the Hotel Savery during the three-day 1959



A.I.A. event, October 8-9-10. Representatives of two firms—The Alfred Bloom Co. and Pella Rolscreen—were present for a large portion of the meeting, but happened not to be there when these pictures were made.

From the left, top, John Lysinger of Iowa Paint Manufacturing Company, Des Moines; Harry Heater of Cambridge Tile Manufacturing Co., Cincinnati, O.; Bert Fowler, president of Skyhook Lift Slab Co., Overland Park, Kansas; Carl V. Wallace, Master Builders Co., Cleveland, O.

Lower, left, C. E. Bridgeman and Jim Parks of the Goodwin Companies, Des Moines; Pella Rolscreen display, the Alfred Bloom Co., Omaha, display, and Gerald I. Griffith, A.I.A., talks with Dave Hanson of Midwest Concrete Industries, Des Moines.

Over 1400 KEWANEES HAVE HEATED IOWA SCHOOLS

**You Should Have The Best
Insist on Kewanee**

KEWANEE BOILER SINCE 1868

412 HUBBELL BUILDING 2966 HARNEY STREET
DES MOINES OMAHA

FITZPATRICK MEMORIAL AWARD

The Institute has announced the cooperation of five leading building industry associations in establishment of the F. Stuart Fitzpatrick Memorial award to be given annually for "outstanding achievement in the unification of the building industry."

Sponsors of the award, named in honor of the late manager of construction and civic development department of the United States Chamber of Commerce, are: the A.I.A., the Building Research Institute, The Producer's Council; The Associated General Contractors, and the National Association of Home Builders.

A five-member board will select the recipient who will receive a silver medal bearing a likeness of Fitzpatrick, and a scroll.

ANNOUNCING

our appointment as representatives for the products of

WATSON MANUFACTURING CO.

OF JAMESTOWN, NEW YORK

Watson are specialists in designing and furnishing a complete line of standard, semi-standard, and special equipment, for Banks, Savings & Loan Associations, Court Houses, Schools, and all financial institutions.

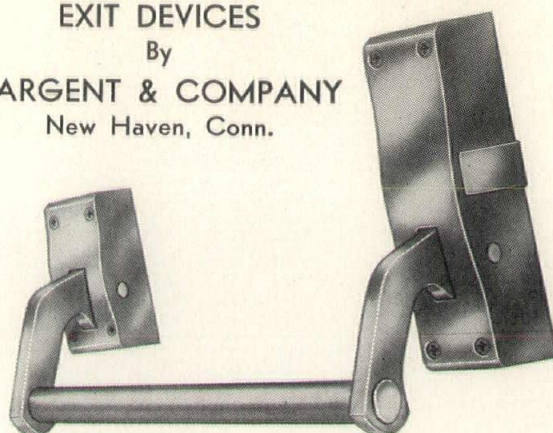
A Letter or Phone Call will Place Us at your Service.

JAMES L. SMITH CO.

1118 MULBERRY STREET

DES MOINES, IOWA

EXIT DEVICES
By
SARGENT & COMPANY
New Haven, Conn.



Distributed By

IOWA PAINT & HARDWARE

607 E. Locust — Des Moines, Ia.

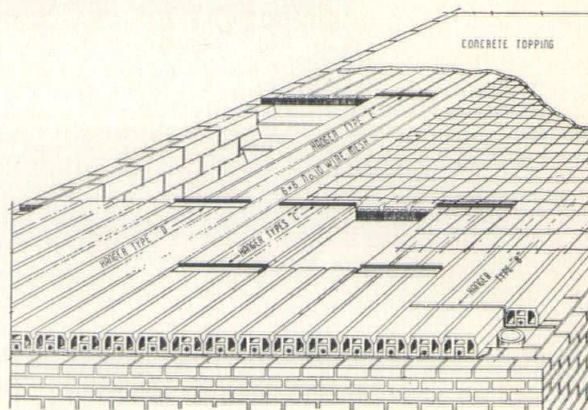
50 Years of Sargent Hardware

Two Architectural Hardware
Consultants.

Proved in 2000 installations...

SHEFFIELD REINFORCED CLAY TILE BEAMS

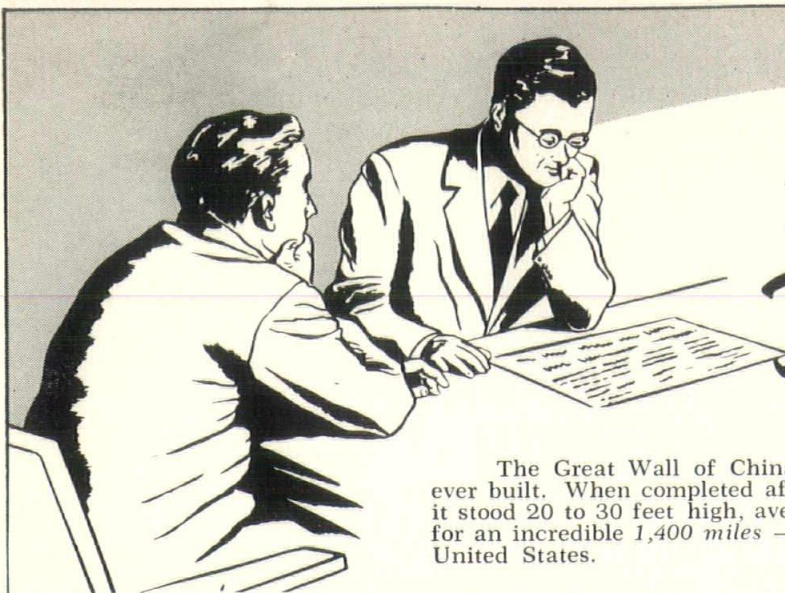
- ★ HIGH STRENGTH
- ★ FIREPROOF
- ★ SOUND PROOF
- ★ VERMIN PROOF
- ★ DUST PROOF
- ★ LOW INSTALLATION COST
- ★ LOWEST "USE COST"



Sheffield

BRICK AND TILE CO.

Sheffield, Iowa



What do BUILDINGS Really cost?

The Great Wall of China was undoubtedly the most expensive wall ever built. When completed after centuries of labor by millions of workers, it stood 20 to 30 feet high, averaged 25 feet thick at its base, and stretched for an incredible 1,400 miles — the equivalent of nearly halfway across the United States.

Yet, while there is nothing in the modern world to match it for sheer magnitude, there are quite a few modern skyscrapers that would have made even a Ming emperor think twice about using wall materials that could be that expensive.

How expensive is that? you may ask. And, how expensive should building walls be? For an answer to the first question, we turn to a careful study made recently by a noted architectural firm. The architects studied the comparative costs of exterior walls of New York City office buildings. (See Chart A)

Another study of exterior wall costs in New York City office buildings, made independently by New York estimator Arthur F. Comstock, provides even more dramatic evidence of how expensive some materials can be. (See Chart B)

In this table, the least expensive building — a masonry structure at 380 Madison Avenue — is used as a base of 100

per cent; the costs of five other buildings are given as percentages of this. Thus, while dollar figures may gradually lose touch with ever-rising prices, the percentages continue to be meaningful.

With this in mind, note the sharp increase in wall costs as the percentage of window area increases, until we find the Seagram's building rising to 1231 per cent as compared with the office building at 380 Madison Avenue.

So much for how expensive some present buildings are. Now how expensive should they be? To help investors, cost consultants and architects, Clayford T. Grimm and James G. Gross, architectural engineers of the Department of Engineering & Technology, Structural Clay Products Institute, have written an extremely valuable study titled, "The Ultimate Cost of Building Walls."

CHART A					CHART B		
Names of buildings listed below are withheld at request of architects	Materials Used in Wall	% Glass Area	Initial Cost Per Square Foot (with clear glass)	Annual Owning & Operating Cost Per Square Foot	TOTAL COST PER SQUARE FOOT	Name and Address of Building	Initial Wall Cost Per Square Foot, Expressed in Comparative Percentages (Using 380 Madison Avenue as 100 percent)
Building A	Exterior Facing: Face brick Limestone trim 4" concrete block backup	20	\$ 7.34	\$0.64	\$ 7.98	380 Madison Avenue New York	100%
Building B	Exterior Facing: Limestone Aluminum trim 8" brick backup	17.5	10.52	0.88	11.40	Calgate-Pulaski 200 Park Avenue New York	240%
Building C	Exterior Facing: Aluminum Aluminum trim 4" concrete block backup	42	12.69	1.13	13.82	American Machine & Foundry 261 Madison Avenue New York	326%
Building D	Exterior Facing: Aluminum panels Aluminum & steel trim and mullions 8" brick backup	38	12.79	1.13	13.92	Lever House 390 Park Avenue New York	448%
Building E	Exterior Facing: Stainless steel Stainless steel trim 4" concrete block backup	23	14.92	1.24	16.16	U.N. Secretariat First Avenue & 42nd Street New York	549%
Building F	Exterior Facing: Opaque wire glass 1/4" thick Stainless steel trim 4" concrete block backup	56	15.10	1.36	16.46	Seagram Building 235 Park Avenue New York	1231%

The purpose of the study was to establish exact and authoritative information on architectural economics. It has already been adopted into the curricula of several schools of architecture and engineering.

Gross and Grimm applied fifteen cost factors to the economic analysis of exterior non-load-bearing or curtain walls. They are: Value of Money, Depreciation, Price Increases, Income Taxes, Initial Construction Cost, Cost of Supporting the Walls, Space Occupied by the Walls, Speed of Erection, Air Conditioning Costs, Heating Costs, Maintenance Expenditures, Illumination Costs, Salvage Value, Insurance Rates and Real Estate Taxes.

Because of the lack of space, we here summarize the results of the Gross-Grimm study in a single table, and recommend that readers who wish additional information write the Structural Clay Products Institute, for a simplified

version of "Ultimate Costs," at no cost, or the technical version, for architects and engineers, available at 55 cents per copy.

Notice that the table is divided into taxable and tax-exempt categories. The reason for this is that Uncle Sam looks at the two quite differently.

Joe, a building owner, is already paying taxes and Uncle Sam apparently feels sympathetic. At any rate, he allows Joe to deduct his operating and depreciation costs. As the table shows, this can be quite a help.

Now look at tax-exempt Mr. X, whose building might be a school, a city hall, or a church. Since he doesn't pay taxes to begin with, the Government sees no reason to give him still another tax privilege. As our table shows, this can make a big difference.

Write
STRUCTURAL CLAY PRODUCTS INSTITUTE
For more information



ULTIMATE COST OF BUILDING WALLS

Wall Type	(Per Sq. Ft. of Wall Area)	
	Taxpayer	Non-Taxpayer
Masonry Cavity Wall	\$4.60	\$5.26
Metal Skin Wall	7.86	9.01
Glass Wall	18.29	30.02

These figures, taken from three independent sources, don't just speak for themselves. They *shout* the simple fact that masonry walls make sense — and save them, too.

CLAY PRODUCTS INSTITUTE

REGION 6
120½ WELCH AVE.,
AMES, IOWA
CEDAR 2-6623

BRANCH OFFICE
401 WESLEY TEMPLE BUILDING
MINNEAPOLIS 4, MINNESOTA
Federal 6-7055