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Official Publication of the Minnesota Society of Architects

VOLUME XXXIV NUMBER 5 July-August 1970

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Area Notes

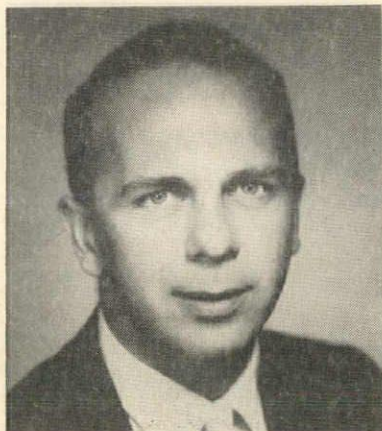
Architectural News from Five States

PEOPLE . . .

Kudos: to **Cerny Associates, Inc.**, St. Paul, a 1970 Honor Award from the American Institute of Architects for their pedestrian skyways across Sixth Street and Marquette Avenue in Minneapolis; to **Progressive Design Associates** of St. Paul, an award from the National Conference on Religious Architecture for their St. John the Evangelist Roman Catholic church in Hopkins; and to **Richard Hammes of The Stubenrauch Associates, Inc.** of Sheboygan, the Wisconsin AIA's first prize of \$50 for architectural drafting. Double honors for **Kenneth H. Petersen of Sovik-Mathre-Madson** in Northfield, Minn., the top award from the Minneapolis-St. Paul chapter of Construction Specifications Institute and an honorable mention from the national CSI for his specifications.

Spitznagel Partners, Inc. of Sioux Falls has named **Marvin Peterson** assistant vice president for design, **Richard Robinson** associate in architecture and **Richard Graff** associate in engineering.

David Runyon of The Cerny Associates, Inc., St. Paul-Minneapolis, has been named to a three-year term on the Edina Planning commission.



Mr. Thomas

Thomas J. Shefchik & Associates, Duluth and Ashland, report that **Arthur G. Thoma** has rejoined their firm as an associate. For the past two years, in addition to private practice, he has been employed by the Duluth Board of Education as architectural instructor at the Duluth Area Institute of Technology.

Sauter Seaborne Architects, Ltd., of Appleton, Wis., have added two partners, **Robert L. Paynter** and **Robert M. Duszak**, and expanded the firm name accordingly.

Quanbeck Associates, architects in rural Northfield, Minn., have merged with **Brauer and Associates** of Edina as a step toward more comprehensive services by the land-planning firm.

Died: **Roy Haslund** of rural Stillwater, Minn., an early graduate of the College of Architecture of the University of Illinois and long-time St. Paul architect; and **Rudolph Zelzer**, St. Paul, for twenty years chief architect for the State of Minnesota.

Mayday was celebrated in Loring Park, Minneapolis, with a kite-flying contest sponsored by **InterDesign, Inc.** and open to all Minneapolis architects. The rain and chill rather dampened things and the Minneapolis Tribune fails to report who won the Loring Cup for the best flight or the Charlie Brown Award for the most dynamic failure.

Howard R. Steinmann, Monticello, Wis., architect, has been named a Fellow of the Construction Specifications Institute.

Five concrete and mosaic panels symbolizing various aspects of modern education have been placed in the lobby of the new Horace Mann school in Sheboygan, Wis., by the architect, **Lawrence Bray**, in memory of his son Greg, who was accidentally killed in 1968.

Dayton-Hudson's vice-president for environmental development, **Wayne E. Thompson**, has been named a trustee of the Urban Design and Development Corporation, founded in 1969 by the American Institute of Architects to help improve urban life.

Seifert & Staszko, architects recently of Alexandria, Minn., have moved their office to suburban Minneapolis.

Robert F. Jacobsen, manager of Ellerbe Architects' construction administration department, has been named to that firm's board of directors.

Enviromedia, Inc., an environmental research and planning organization, was organized recently to create an interdisciplinary approach to environmental programming, planning and design. Principals of the non-profit group are **Alan Robinette**, an architect and natural resource expert who has worked for the Metropolitan Council and the University of Minnesota Experimental City project, **Brian Wessel**, former assistant planner for the University of Minnesota with a background in urban and institutional planning, and **F. Gerald Kline**, who holds a doctorate in mass communication and has an extensive background in social science methodology and urban sociology.

. . . AND PROJECTS

MINNESOTA (and Ellerbe)

Parker Klein Associates, Architects, Inc. of Minneapolis have been named local associates to **Kenzo Tange**, the eminent Japanese architect selected by the Minneapolis Institute of Arts for the projected expansion of the museum and the art school.

A half-million dollar remodeling program for Minneapolis' General Hospital to keep it functioning adequately during the four years before its replacement is completed is being planned by **Ackerberg and Associates, Inc.** and **Roger Johnson and Associates**, both of Minneapolis.

Cottle-Herman Architects of St. Paul have received a top award from *Institutions Magazine* for their prototype Betty Crocker Tree House Restaurant in Dallas, Texas. It is the first of five in a test venture by General Mills.

Urban renewal: Ely's central business district has been chosen for a special study to be made by the Urban Design Committee of the Northeastern Minnesota Chapter of the AIA, headed by **C. Everett Thorsen**, Duluth architect. The volunteer program hopes to devise methods by which design can forestall "the chaotic happenstance which pervades the urban scene." And **Sandberg and Associates**, Hibbing architects, propose to transform Duluth's West End into a "visually attractive complex styled after Chicago's Old Town."

An addition to the Brainerd area vocational school and a facility for emotionally disturbed children to be set up at Riverside school have been designed by **Stegner, Hendrickson, McNutt & Sullivan**, Brainerd architects.

Alterations to the auditorium and cafeteria of Albert Lea's Central High School, proposed by the buildings and grounds superintendent, will require the services of an architect, school superintendent Lorne Ward has reminded the school board.

And now, **Ellerbe**: That firm has expanded into its 49th state by its association with **McEntire & Pendergrast** of Anchorage, Alaska. It is designing a \$53.5 million medical sciences building for the University of Cincinnati. It is finding its IBM 1130 computer very helpful in reaching optimum decisions from complex data. It is expanding into the development field by forming a subsidiary, the Landmark Corp., headed by **L. Kenneth Mahal**, an Ellerbe vice-president. Its newly reorganized and expanded Minneapolis office is growing and expects to reach a staff of 40 (now at 26), by 1971. **Daniel P. Knowland, Jr.**, is its new manager of finance and administration. And it is planning a \$9 million sports arena and exhibition-convention center for Providence, R. I. That's all for now.

Burlington Industries, Inc., the textile manufacturers, has joined the **Jonathan Housing Corporation**, a joint venture concerned with an experimental home building program at the new town of Jonathan being developed near Chaska, about 20 miles southwest of Minneapolis.

Duluth is to have a new shopping center on a 52-acre site along Miller Trunk Highway on the northwest edge of the city. There will be up to 50 businesses clustered around an enclosed mall. **William Dorsky & Associates** of Cleveland are the designers, **Melvin Simon and Associates, Inc.**, of Indianapolis, are the developers.

A new architectural office, **The Architectural Alliance**, was recently formed by **John Lackens, Jr.**, **Herbert Ketcham, Jr.**, and **Robert E. Bell**. The firm is located at 400 Clifton Ave., So., Minneapolis. The three partners are native Minnesotans and received Bachelor of Architect degrees from the University of Minnesota (Lackens in 1958, Ketcham and Bell in 1959). All hold Master's degrees as well.

School projects: A million-dollar addition to the Mountain Lake school, designed by **Pass, Rockey and Church** of Mankato, is under construction. **Cerny Associates** have developed a three-part scheme for Fairmont's new high school. The Hutchinson Area Vocational-Technical School is being studied by **Stegner-Hendrickson-McNutt-Sullivan**, architects of Marshall.

(Continued on Page 280)

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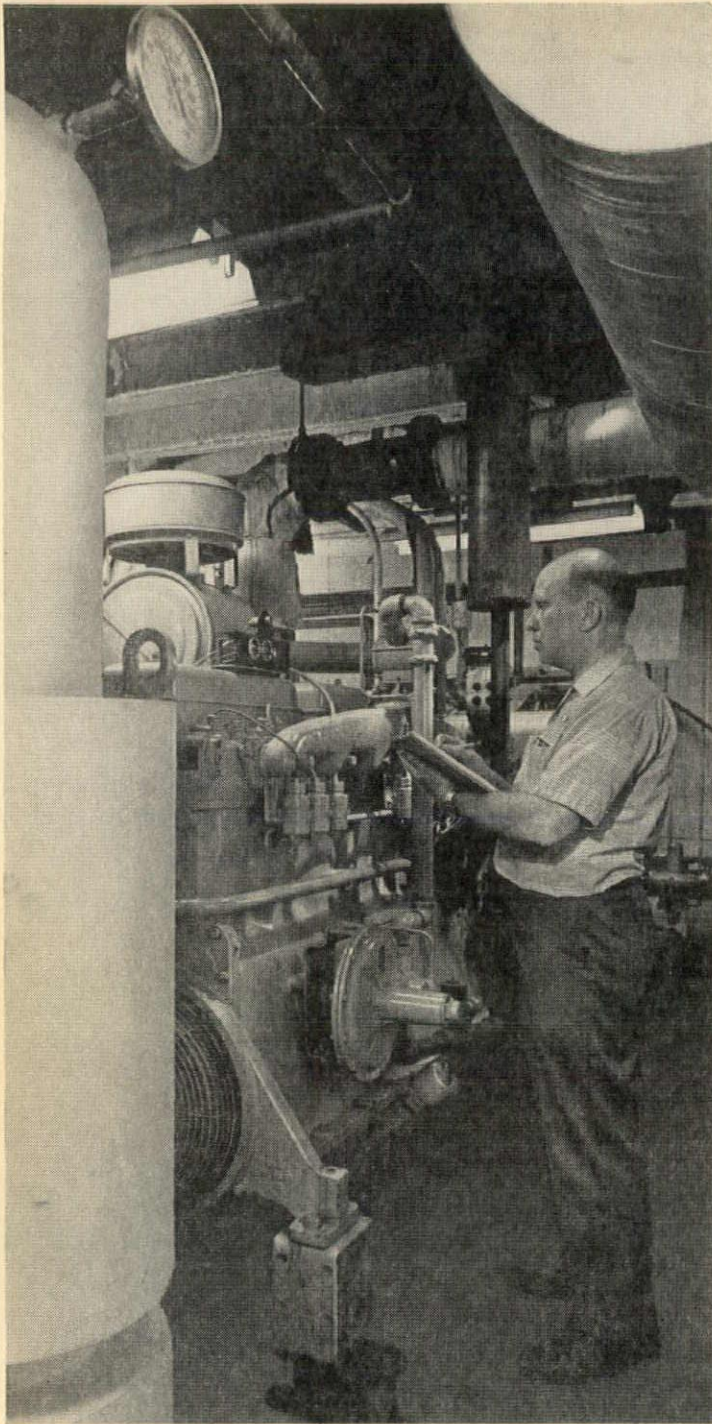


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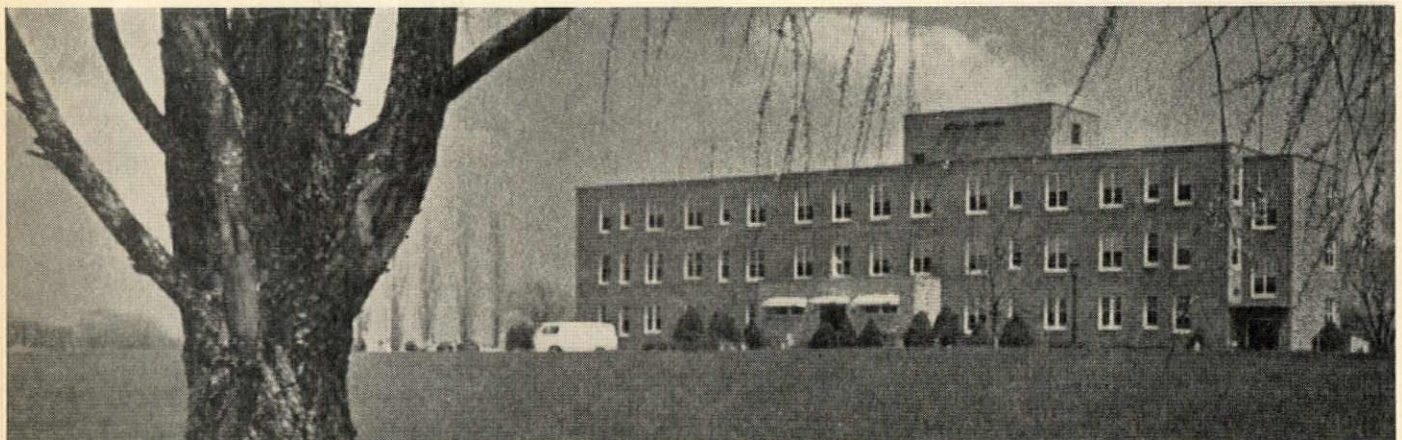
Big or small, every hospital needs a stand-by power source to fall back on when power outages occur. And, St. Ann Hospital in Algona, Iowa, has used its stand-by power on several emergency occasions since the equipment was installed in March of 1969. But that's only half the story. The real news is that the natural gas engine driven generator is used for other purposes during the year . . . not just for emergencies.

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Sticks, Stones, Names and the Summer Doldrums

By Donald W. Hassenstab

Executive Director, Minnesota Society of Architects

Political and many related kinds of deep unrest have been churning our country for quite some time. Students and their peers not in school have become activists in varying degrees and on all sides of the questions most violently being debated. Others have quietly continued their studies but have nonetheless been affected by "it all."

Shortly before this was written a new tangent appeared in all this when one of those who traveled to Washington to see what could be done about "it all" was quoted to the effect that the violence of tongue and arm has failed and that the time has come to use the powerful weapon available to all those who live in a democracy such as ours—the ballot. This voice called upon all those who are going before the electorate this fall to stand up, say their says and be counted.

There is no doubt that the spread of this idea has great promise of achievement. It also has the threat of misunderstanding, the twisting of quotations, frequently used out of context, by those who seek only their own ends by any process. However, this idea of putting the many issues which are today at stake up to those elected representatives we shall choose in next fall's elections and who will legislate and administer during the coming several years—this seems a wise and an active way toward solutions. They are the ones who will make or break budgets, allocations of authority, extent of the military draft, degree of public housing, amount of private enterprise encouragement, etc.

Realizing this, they should during their campaigns take definite stands on all the issues where they have primary authority or secondary influence. They should be forced to do so! What we must assure to make this potentially representative, magnified "town meeting" bear the most beneficial results is that all segments of our population are represented during these

campaigns. **We must all to some extent become more active in politics.** Some will be able to be in the midst of the fight and make their efforts felt directly; others must at least speak up occasionally.

Where do the architects as individuals and as a professional and skilled group fit into this? As individuals we fit where we can best serve and where we wish. As a relatively small group but one with the background to offer a great deal in the solutions the ballots may bring about we also can be a potent factor. Among us are many whose experiences particularly qualify them to ask questions and suggest answers. In the first rounds of the contests to come we must ask the questions. They must be pointedly asked, concisely put so there is no way candidates can double-talk their ways around them. They must know what we, members of a knowledgeable segment of their electorates, mean when we ask them what they are going to do about the special problems in which we are interested.

Come the later rounds and some of us must be ready to point out solutions which promise definite paths out of the bewildering mazes of today's life in the United States. These, like the questions, must be presented with force so they can add to the commitments the about-to-be-elected men and women will be encouraged to make. Perhaps among us of the architectural field there also will be a few who themselves will take an active political role as candidates. This too needs doing.

So, the months ahead obviously will contain no doldrums* and they must not for the suggestion that the ballot must be our lever to move problems to solution is well taken. It must not be allowed to falter for lack of action by us!

*Consider the doldrums, defined by Webster as "a region . . . abounding in calms, squalls and light baffling winds."

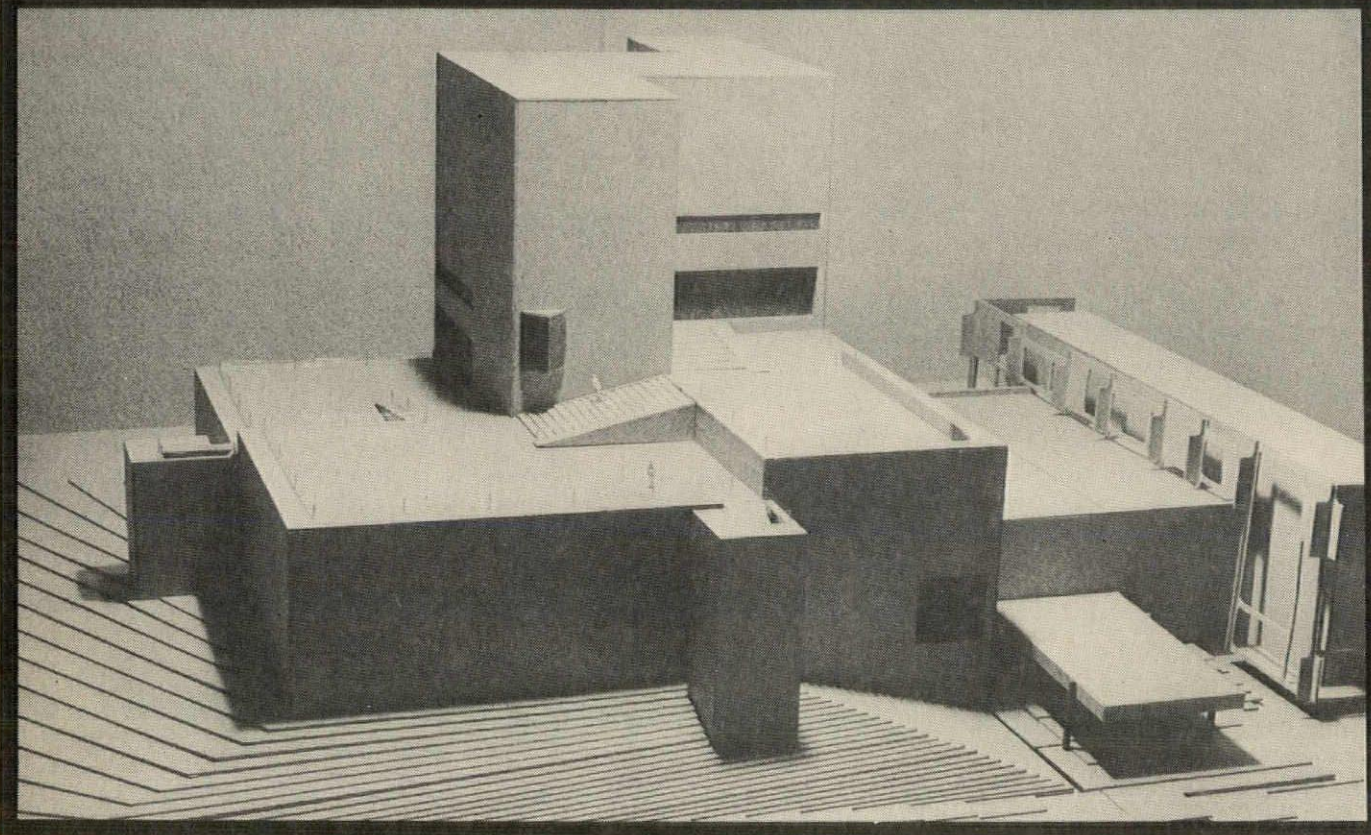
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The 1970 AIA Convention

Odyssey 70

By Gar Hargens

We got there Friday night. Boston seemed the same—compact, dirty and wonderful. It was natural again to drive with a curse and a prayer, to lock everything and to love the city. We spent Saturday at the beach, resting up and beginning to plan in earnest the Wednesday workshop we had come to lead. Greg Froehle and I had met and talked to Bill Wenzler, our professional leader, in Milwaukee on our drive out. We had all agreed very quickly about the purpose of our session and our role in it. Like Art Hacker of Yale, who had organized the program, we hoped to serve as catalysts, prompting an atmosphere of personal concern over the problems of our environments. We knew this would be hard. The climate of criticism throughout the country and the profession suggested that when students and architects got together the atmosphere was certainly going to be chilly at the start. Meaningful participation would require a common trust and a relaxation of defensive postures on both sides.

The Sunday night party in the Boston City Hall contributed to our fears for communication. It was a beautiful party. The delegates were happy to see each other. We moved among them invisibly, clutching our unfashionable, wiggly plastic cups, in awe of the gaiety, grandeur and the architecture. At ten o'clock we retreated to a coffeehouse to finalize the worksheet we hoped would help our delegates to analyze their commitment to their environment in a private, unemotional way.

Senator Edmund Muskie had said it all before and much better than he did as Monday's keynote speaker. George Rockrise's report for the Task Force was predictable, a few have done much to re-

alize the fifteen million dollar goal, most have done very little. I enjoyed several committee meetings Monday afternoon but I noted the same condition that the Task Force had—individuals, the same ones, were trying to move things. I wondered if they could at the national level, if all the fire wasn't gone by the time the programs reached the regional scene. It seemed to reinforce our idea of the need for individual awareness.

In off hours the students gravitated to BAC (Boston Architectural Center) for "radical regeneration," information on where to sleep and general relaxation. Out of this den came a series of "proposals" for Tuesday's business session. During Tuesday's discussion of the new Washington headquarters, Chuck Geary, organizer of a Chicago Community Development Center, infuriated by a plea for building our image in the Capital, reminded the delegates of their lack of standing among the poor. His remarks spawned scattered applause and loud cries of foul by several eager parliamentarians. The three student proposals—table plans for the headquarters, hire a fund raiser to help realize the fifteen million dollar pledge and spend at least half of the proposed dues increase for social programs—were quickly defeated.

The success of our Wednesday afternoon session hinged on delegate acceptance of the morning's introduction. We knew S.P.R. Charter, physicist, lecturer, environmentalist, would question our environmental attitudes. We hoped that the program that followed, and experiment by the Cosmic Labs, a human dynamics group, would demonstrate greater personal awareness. The idea never

got a fair test, however, for in the midst of Charter's address there were a series of interruptions. First a man screamed out and in the confusion that followed he came forward and took the microphone. He was quickly joined by a group of Community Development Center protesters who had been promised a place on the program to read a statement and who thought that this was their moment. Many delegates jumped to their feet and yelled at those on the stage, including the AIA and ASC leadership. In the tense atmosphere that followed the Cosmic Labs' experiment could not get the participation it needed to establish a feeling of group understanding and spirit. Many were too upset to enter in and some saw the experiment as a continuation of the disruptions. After some feeble official apologies the morning session ended, a qualified disaster.

The first question that our worksheet asked was, "How do you feel right now?" We used most of the workshop time to answer those who felt "angry, frustrated, disgusted." At the end we were frustrated that we had had to use our short time with the delegates to help interpret the morning's events. Yet we recognized the responsibility of regaining their trust and through our discussion uncovered another problem that we would have missed if our session had gone as planned.

Students and professionals can agree on many issues but there is the problem of intuitive and learned reactions to one another which must first be overcome. This proved a major barrier at the convention. The media

(Continued on Page 279)

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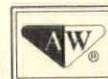
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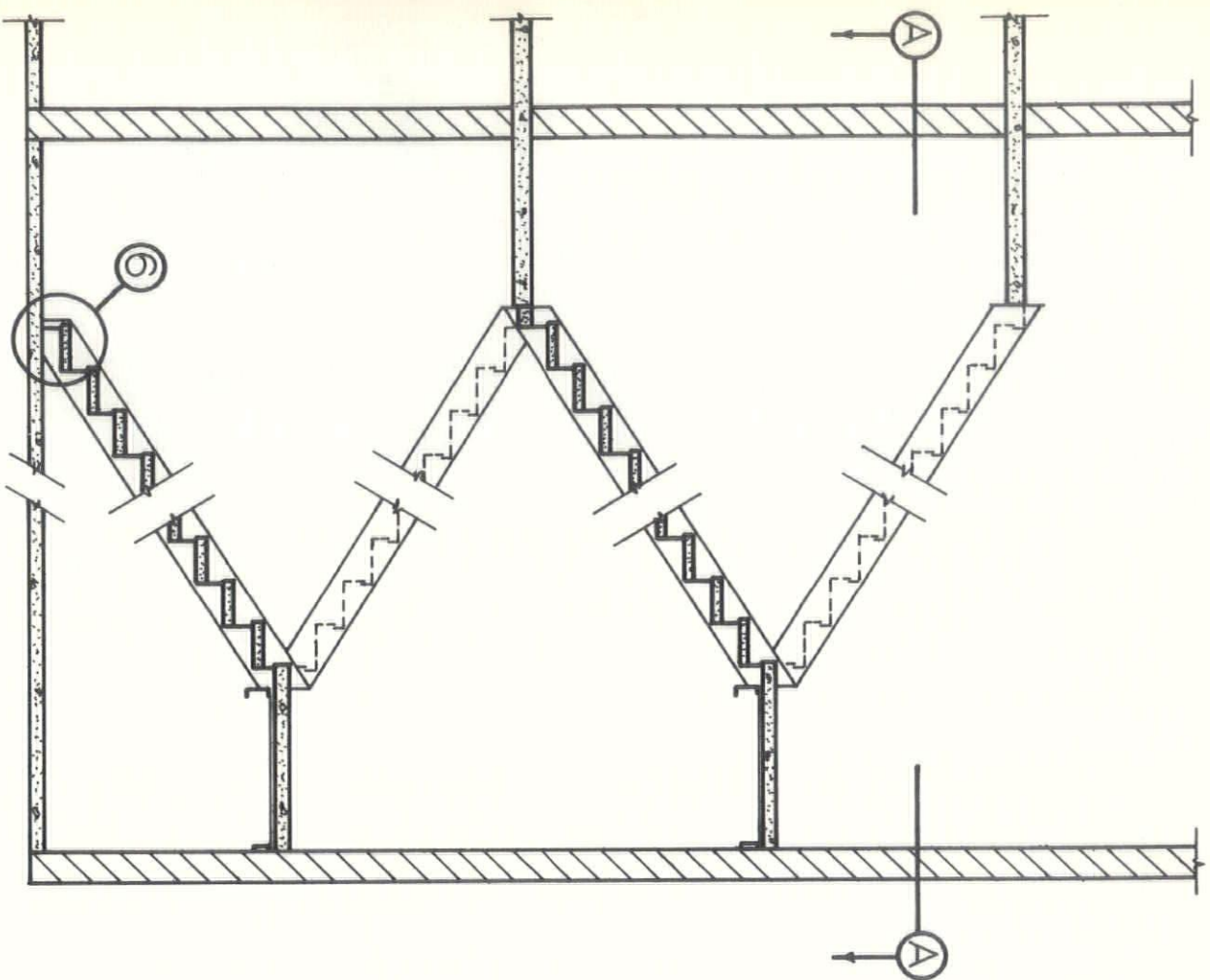
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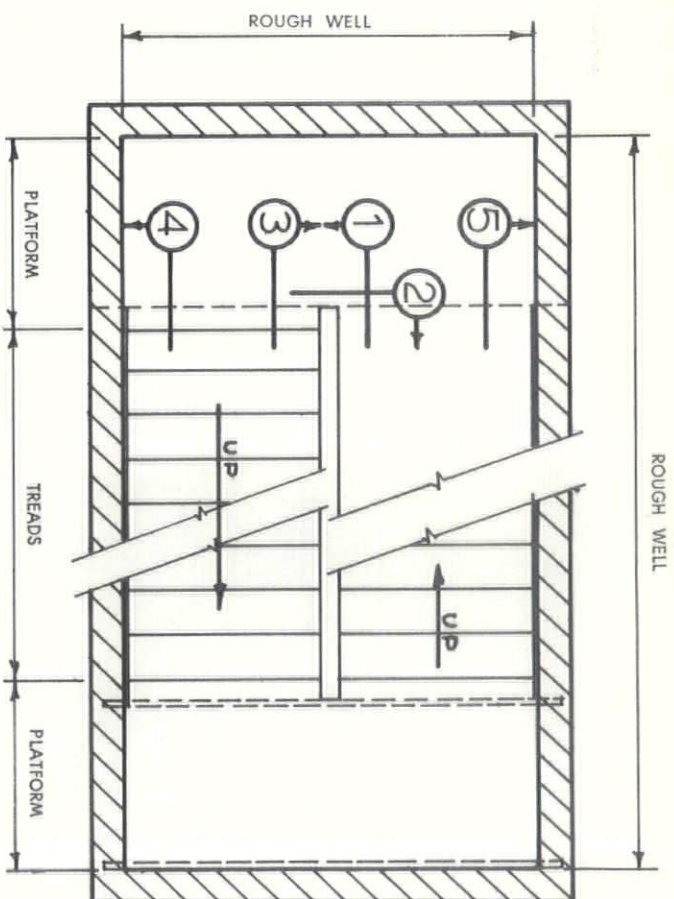
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PLAN A-A

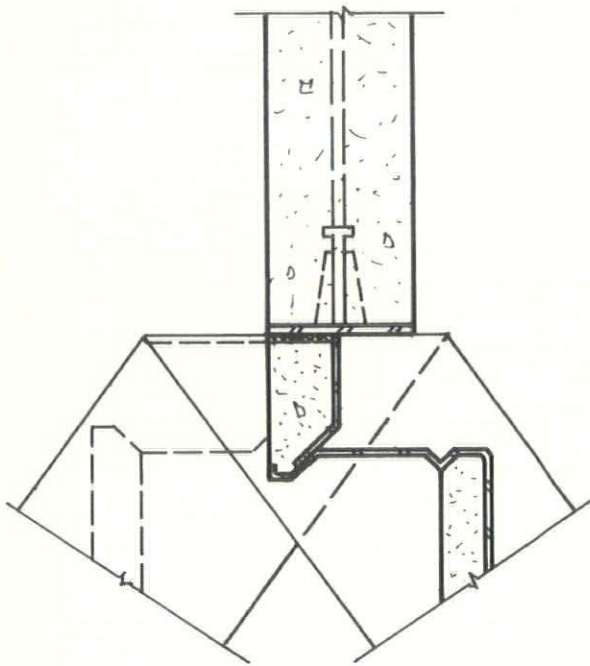
SPECIFICATIONS

PLATFORM — Post-Tension concrete with compression strands ending at platform edge.

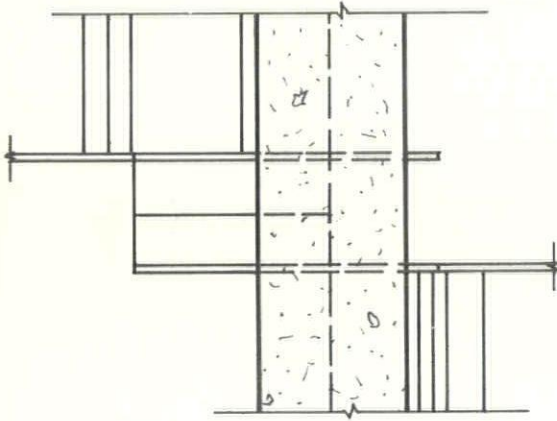
HEADER PLATE — A continuous 6" x 1/4" steel plate with 3/8" x 4" headed studs welded and spaced between strands. Precut holes in plate to permit tensioning of strands. Diameter of hole to be verified with post-tensioning manufacture.

STRINGER FASTENING — Stringer is welded direct to header plate with a continuous 3" weld in pan.

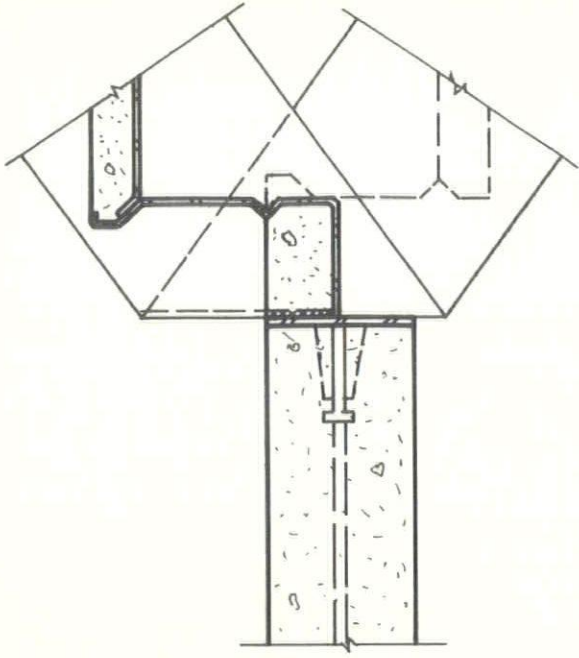
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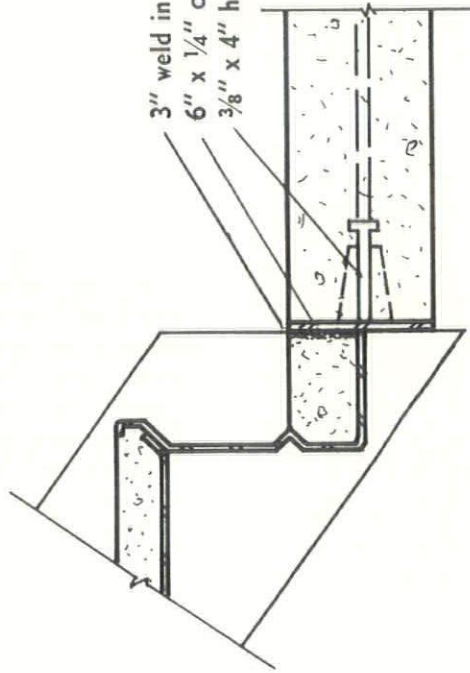
SECTION 1



SECTION 2

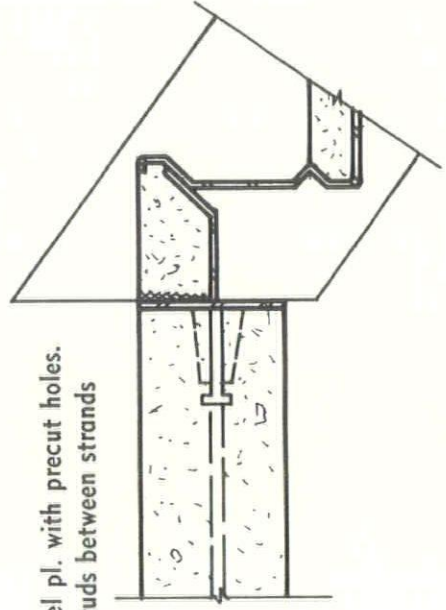


SECTION 3

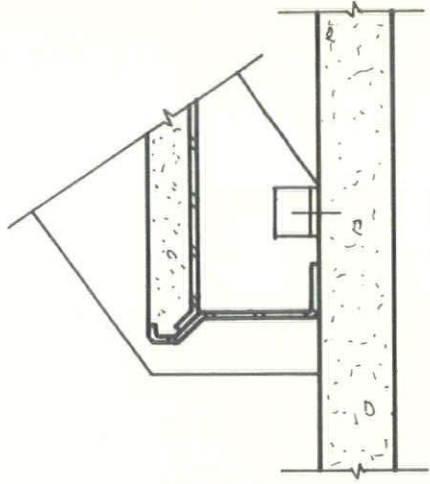


SECTION 4

3" weld in pan
6" x $\frac{1}{4}"$ cont. steel pl. with pre-cut holes.
 $\frac{3}{8}"$ x 4" headed studs between strands



SECTION 5



SECTION 6

THE ENVIRONMENTAL TEACH-IN

An Appraisal and a Challenge

By C. N. Lundquist

Director of the Environmental
Teach-in Project of the
MSA's Special Projects Committee

During the third week of April the Minnesota Society of Architects participated in the environmental teach-in held at the University of Minnesota.

The national purpose of the teach-in was to outline the environmental problems that confront our country and to formulate reasonable solutions of these problems. It was also hoped that our state teach-in would make an attempt to educate the great number of Minnesotans who still remain uninformed about our environmental problems and stimulate them into positive action.

MSA's purpose was similar to the national purpose but it also attempted to awaken slumbering MSA members to a national issue of great architectural importance, while actively involving the society in such a national issue. In spite of little co-operation from the various media, a modicum of success came through enthusiastic support from the university community. The most obvious failure of the teach-in occurred in attempting to reach persons outside the university enclave. While frustrating, that failure served to further emphasize the estrangement of the citizenry from the academic community.

MSA members who participated in the week-long program generally felt our society contributed something of value to the teach-in. In spite of this general vote of confidence for such MSA involvement, many of our participating members voiced strong concern for our general attitudes as

a professional society. Our primary concern was for the society's stunning lack of information and committee organization. It was obvious we had very little environmental information to show others as a result of our years of experience. Further complicating our plight is the fact we have few places available to us where we can show our meager wares.

I think it is a fair appraisal to say that we were not then, and are not now, prepared to present our case for a total and superior environment to our communities, communities that many of us long to influence and direct.

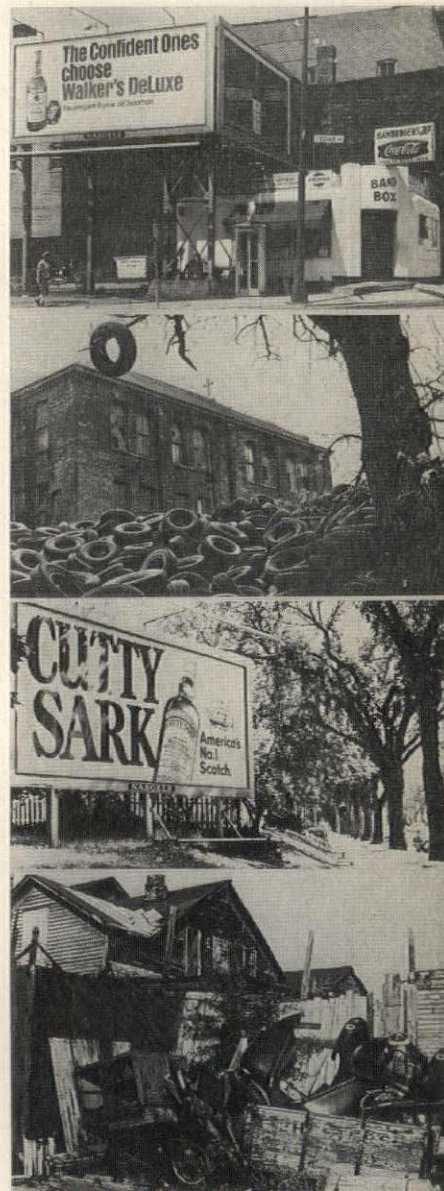
It occurred to many of us who participated that we must reorganize our priorities as a professional society if we are to operate as a progressive, informed and influential group with regard to environmental leadership.

Our conclusions have led us to develop a five-part proposal which we feel, if implemented, could in time produce a major change in the planning and design of our area, as well as reposition ourselves as professional leaders of this country's environmental renaissance. Our proposal follows:

A. Implement a program in which architectural students could become participating members of MSA committees. We feel this would help to bridge the architectural generation gap now evident between practicing professionals and students.

B. Vigorously recruit young employees of currently existing Minnesota architectural firms. These

(Continued on Page 278)



Photos by Phillip M. James

PEOPLE'S PARK PROTESTS RED BARN

Community transformation sometimes comes in an orderly manner; sometimes the change brings about strong protest because of the nature of the change and its contradiction of wishes of community residents. The protest reaction to proposed construction of a Red Barn restaurant in Dinkytown, commercial and partially residential area long associated with the main campus of the University of Minnesota in Minneapolis, a while ago achieved a great deal of publicity and repercussions are still being heard.

Five Dinkytown business places were to be demolished and a typical Red Barn building constructed on the site. Initial picketing in front of the five places struck flame and soon large groups of concerned students and other area residents, augmented by interested outsiders who "wanted in" on the excitement, made the affair worthy of news coverage. The groups were of mixed character and included those of more sedate dress and speech (including the traditional carried signs) as well as those given to the extremes of colorful dress and similarly "colorful" speech.

There were speeches, delving into the sociological, the philosophical and every other aspect of the situation. There was the threatening shadow of the absentee landlord (Red Barn headquarters are in Sarasota, Fla.). There were petitions to which 22,000 signatures were reportedly affixed. There were parades. Then there was the move by the Red Barn organization, which was reported by one associated with the demonstrations—"regardless of everything that had preceded, demolition took place rapidly in one total sweep and at an early morning hour not anticipated." The buildings on the site were gone.

When the deed had been done the protesters were of course momentarily taken aback but then they rallied to a suggestion and created among the rubble a "People's Park." Using the debris of destruction, borrowing odds

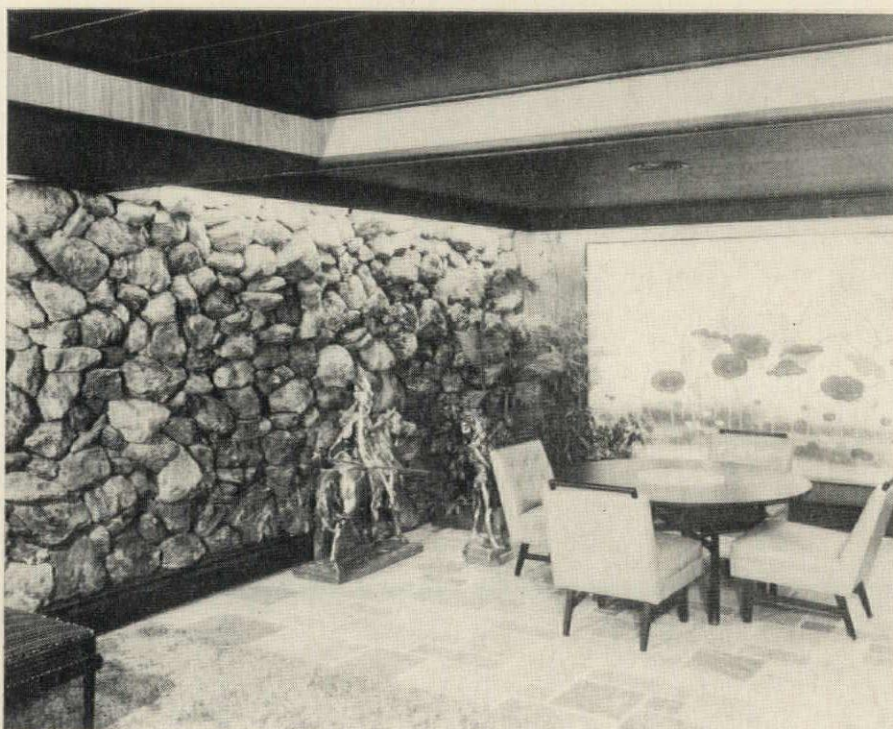
(Continued on Page 287)



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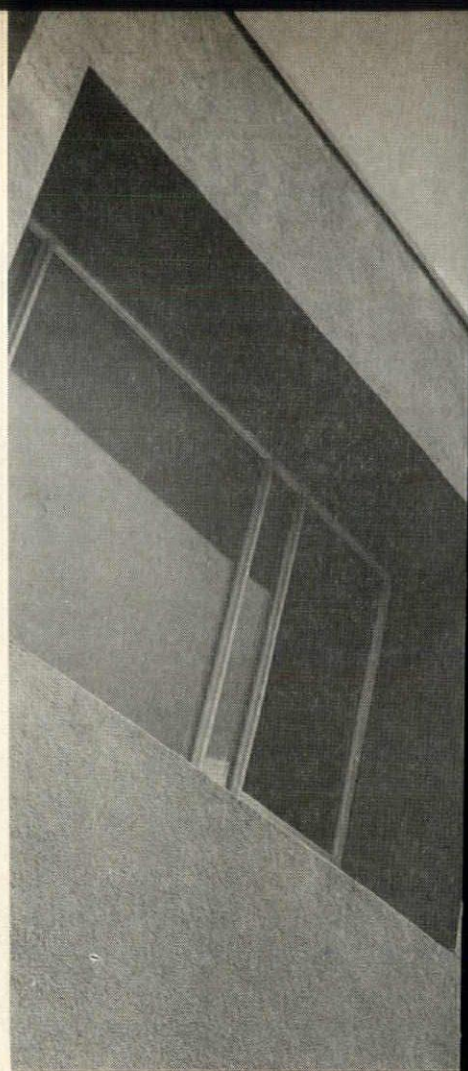
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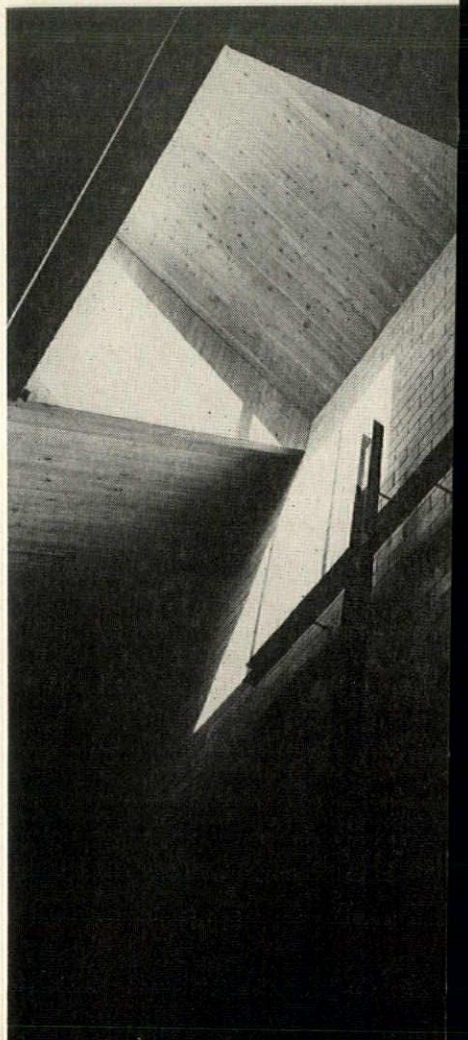
The architects were charged with the design of a 350-seat Lutheran Church with related facilities located adjacent to an existing education and meeting hall building. The growth of the congregation, the temporary character of the existing space for Sunday worship, the lack of effective sound control and a limited budget were the program criteria for the building design.

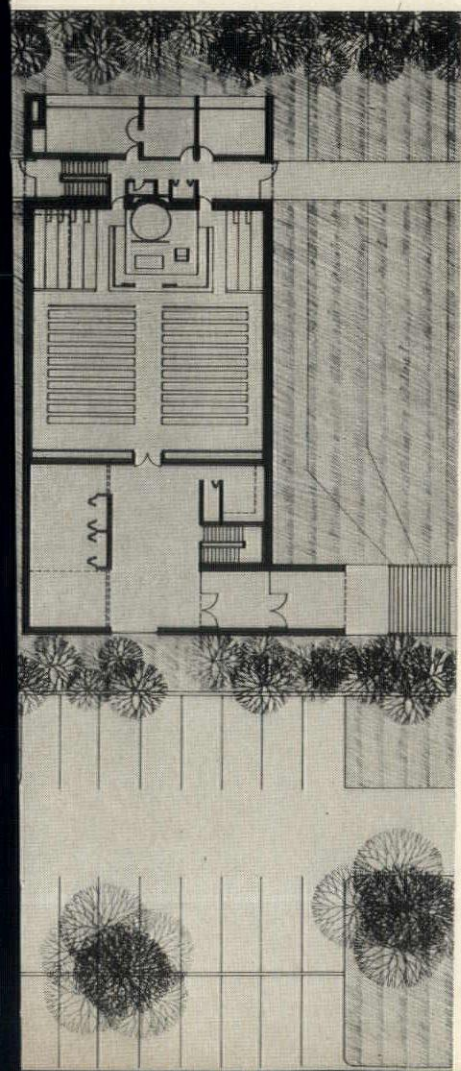
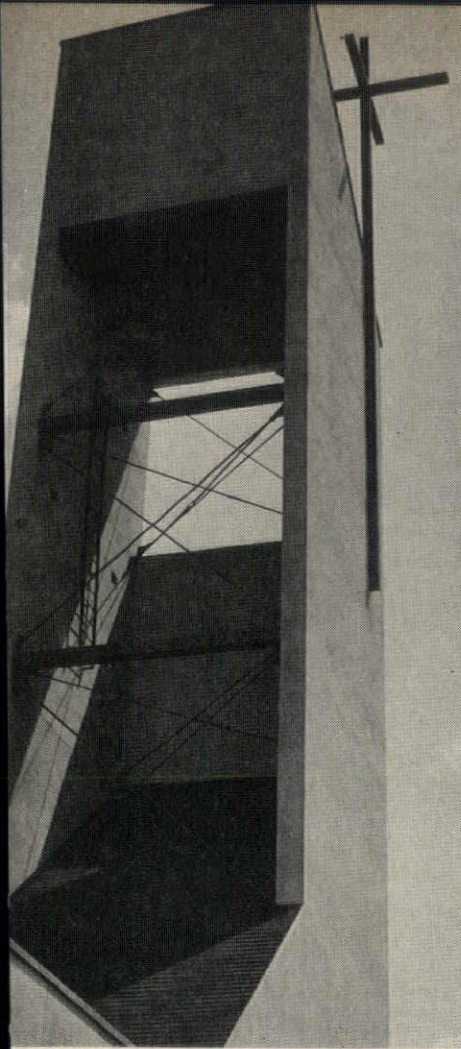
The site is located in South Minneapolis within view of Lake Nokomis, surrounded by single family residences to the north and west and bordered by an arterial highway to the east. The site is located in the flight pattern of airplanes using the Metropolitan Airport.

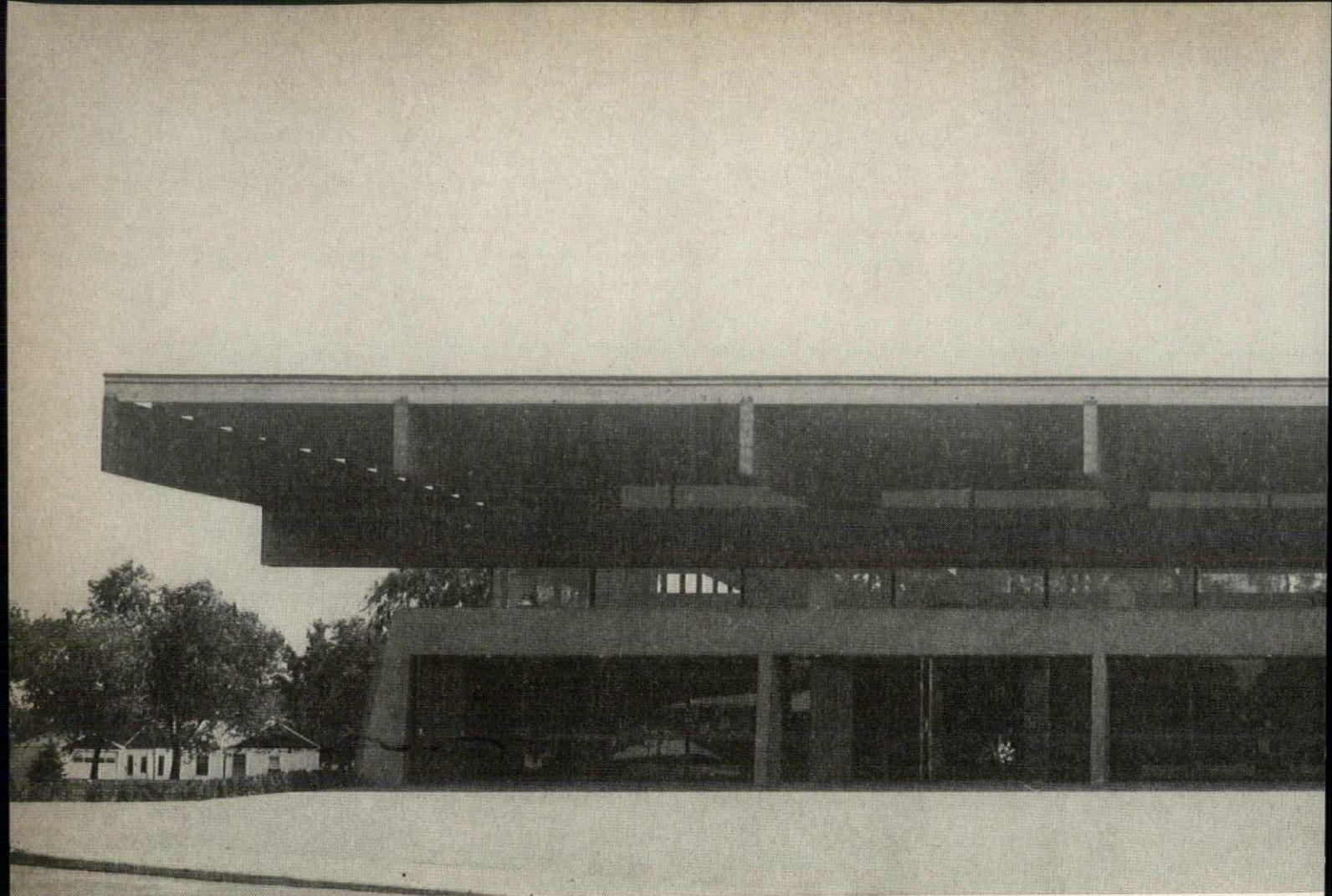
The solution relies upon a heavy concrete block bearing wall construction, with a minimum of glazed openings, and a heavy wood roof framing to attempt a control of the exterior sound intensities. Continuity of design is found in repetition of shed roof forms, a rough-textured stucco, exposed aggregate concrete floors and painted gypsum board interior surfaces.

Additional facilities, such as a chapel adjacent to the narthex area and an administrative area of three offices, are provided on the ground floor, with choir practice, choir robing, fellowship hall and kitchen provided for in the basement.

Ralph Rapson & Associates, Inc.—architects: Richard B. Morrill—project architect: Dennis F. Reseutek—job captain: Levin & Bredow, Inc.—structural engineers: Steenberg Construction Co.—general contractors: Pierre-Aircon Co.—mechanical contractors: Tony Muska Electric Co., Inc.—electrical contractors.







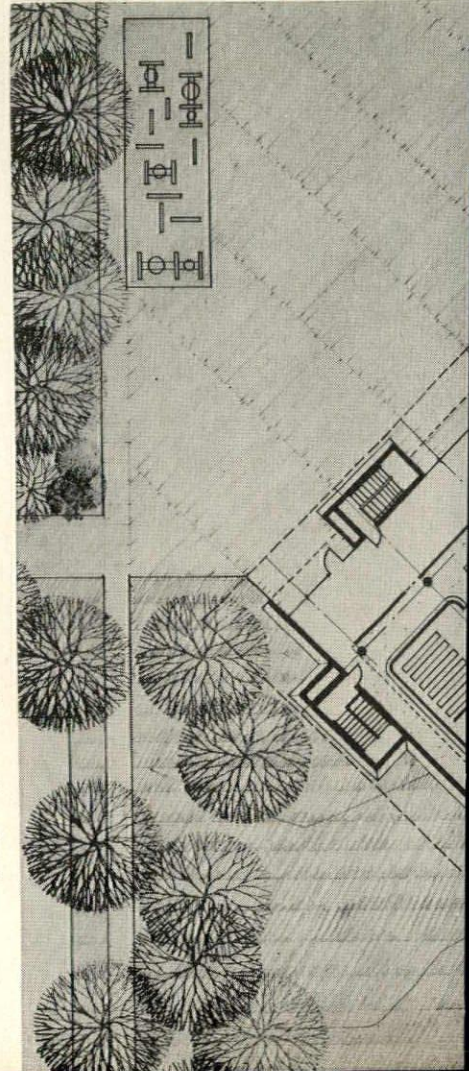
saint thomas aquinas church **saint paul park minnesota**

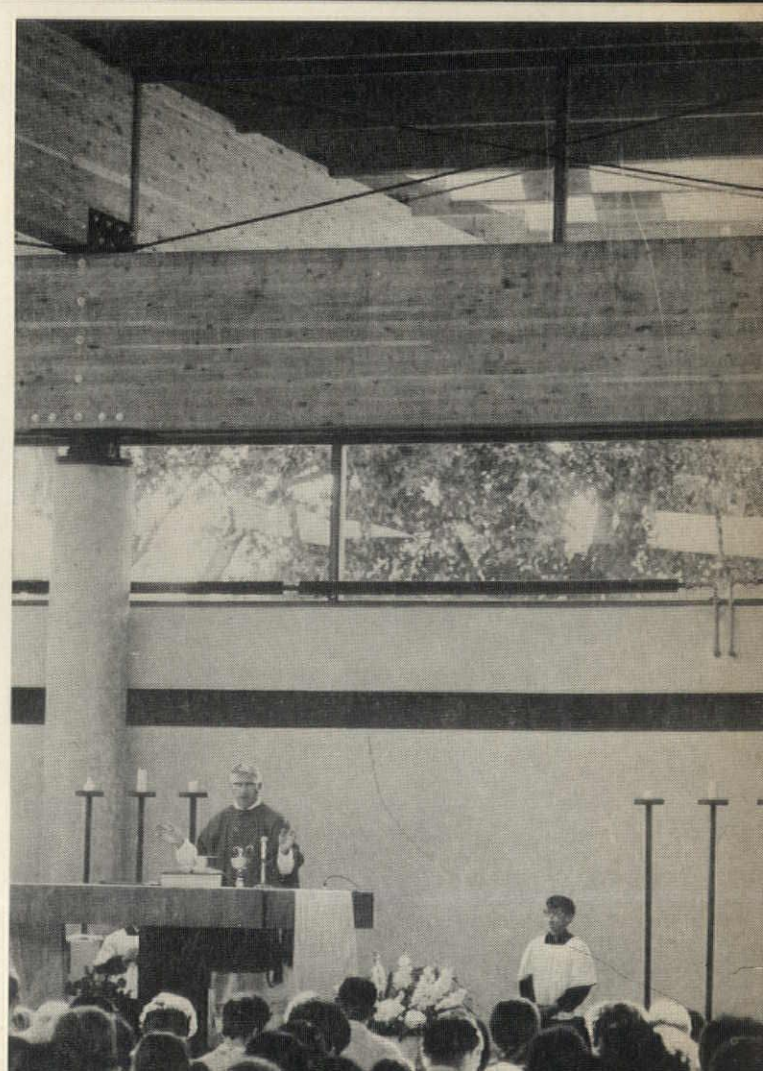
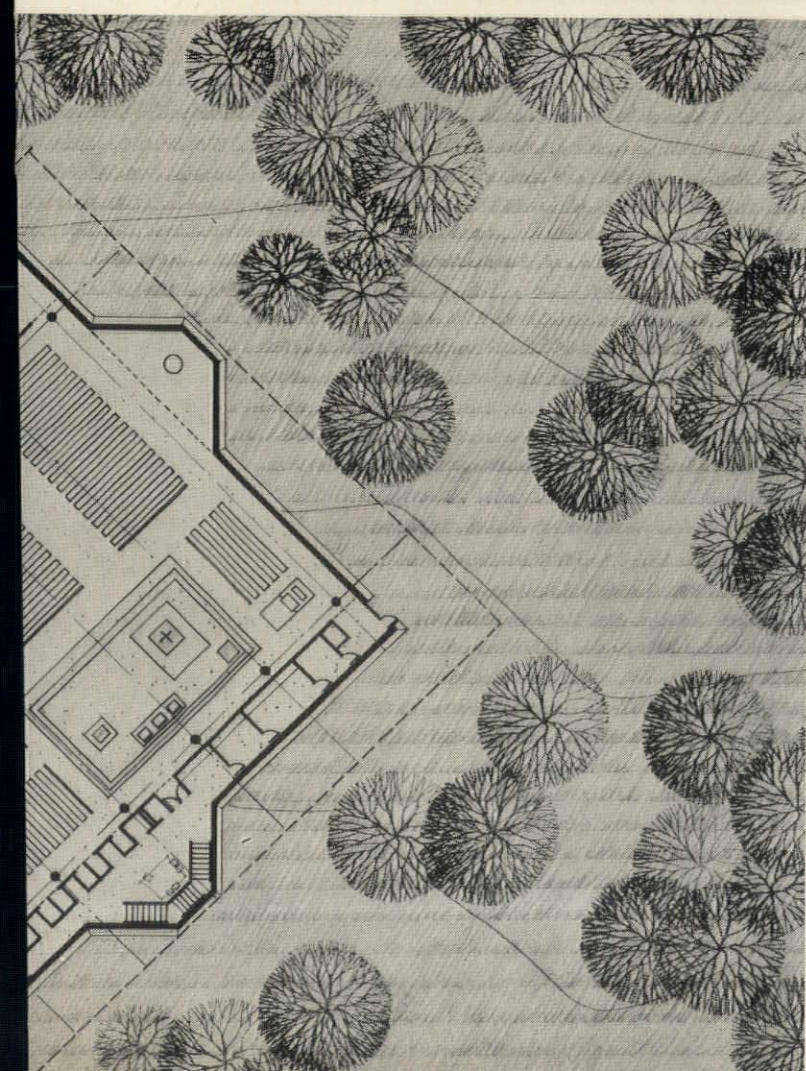
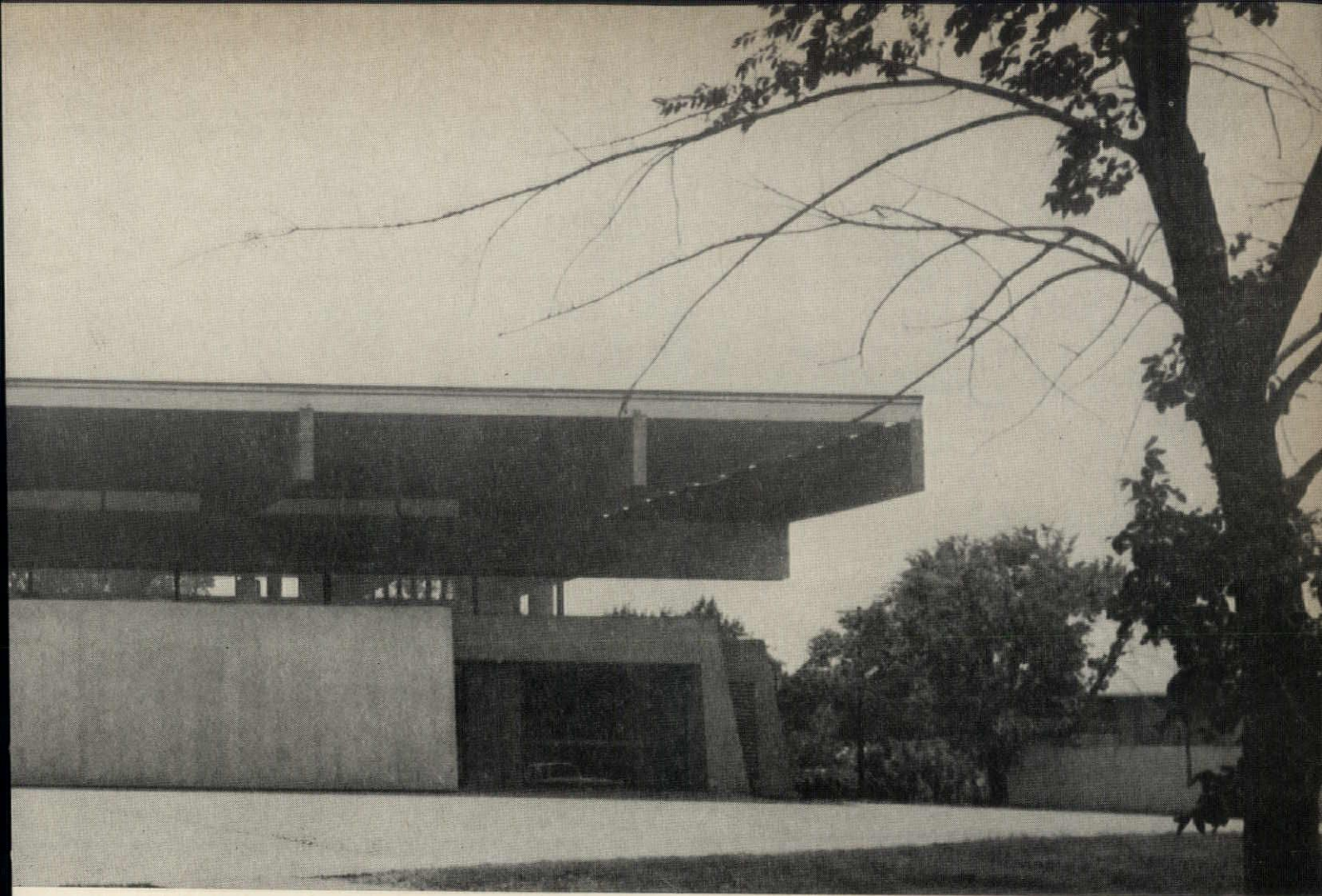
The architects were charged with the design of a Catholic parish church that would provide the maximum space for the least amount of money. The seating for approximately 1,000 was to be provided with a small chapel, confessionals, working sacristy, priest and choir sacristies and a small office. Furthermore, it was necessary to build over an existing basement structure that was incapable of receiving additional loading.

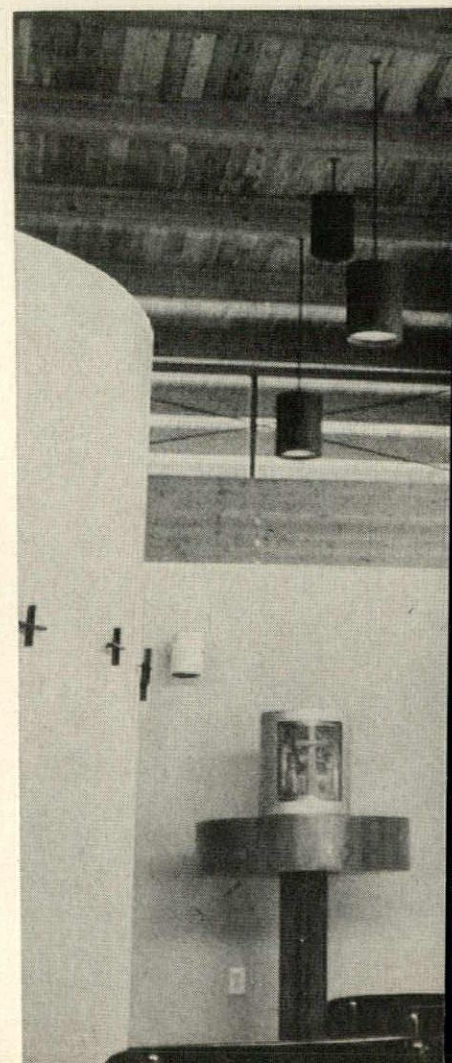
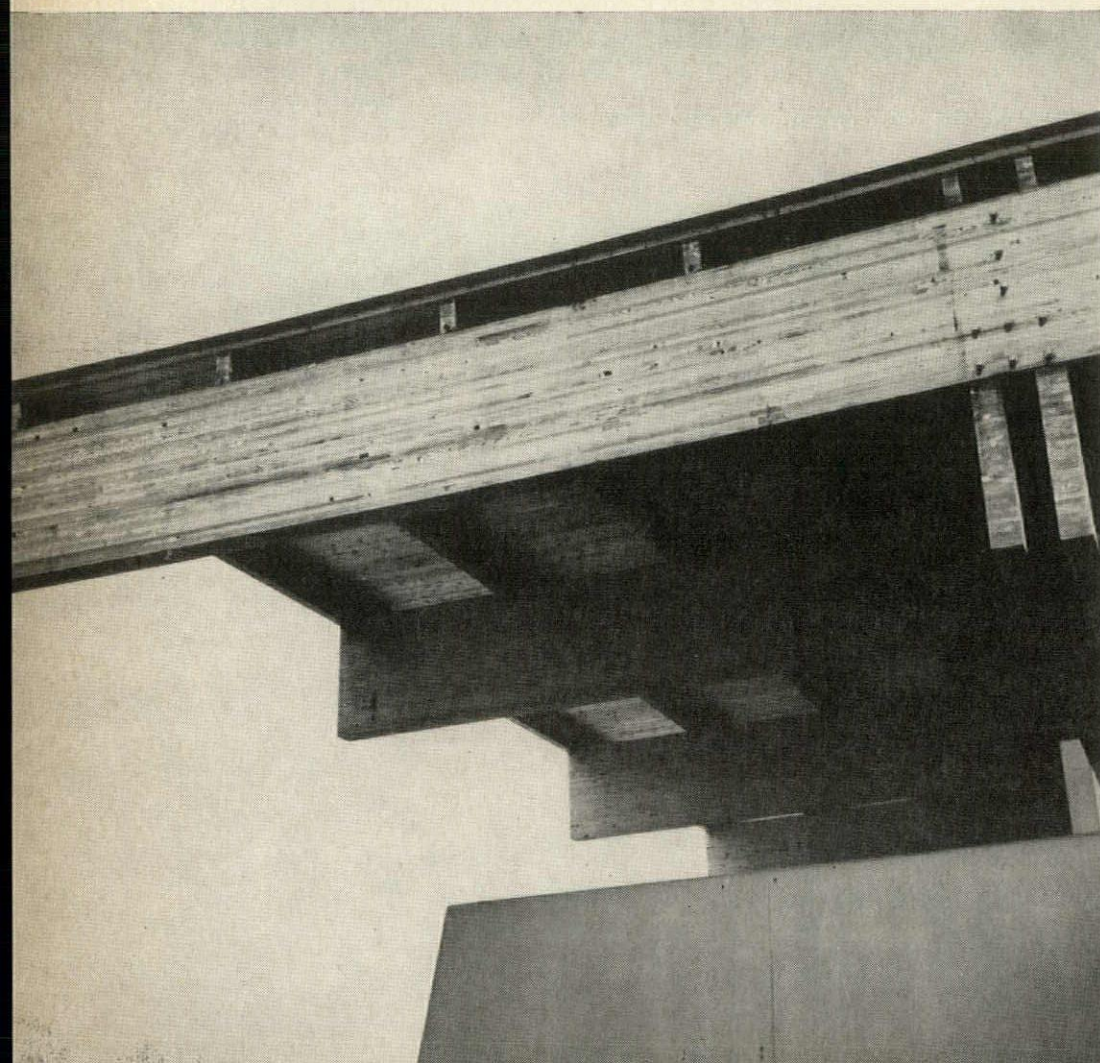
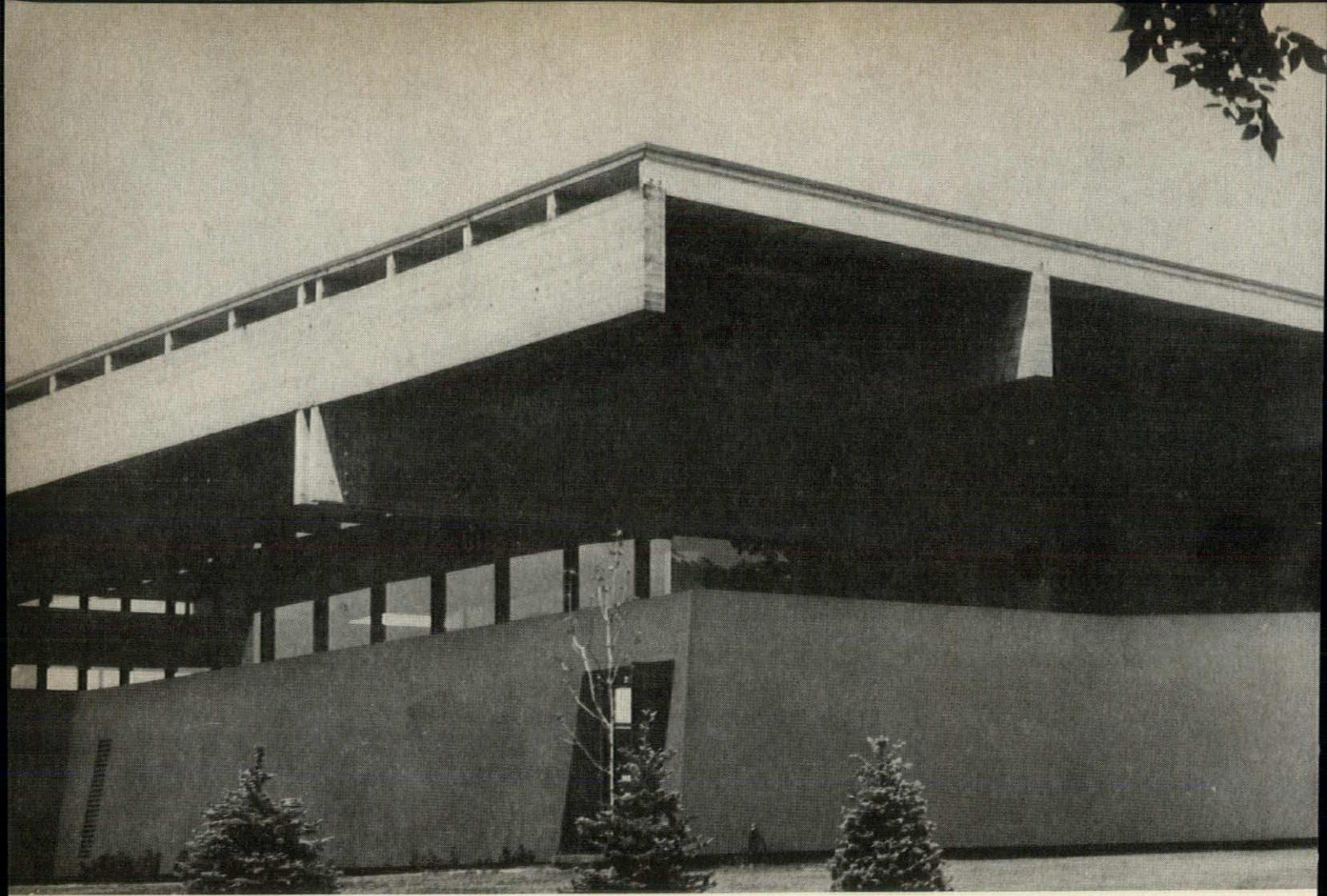
The site, located in a suburb south of St. Paul, is a level corner lot adjacent to an existing church school, priest's residence and nun's residence. The surrounding neighborhood is comprised of low rise, single family houses.

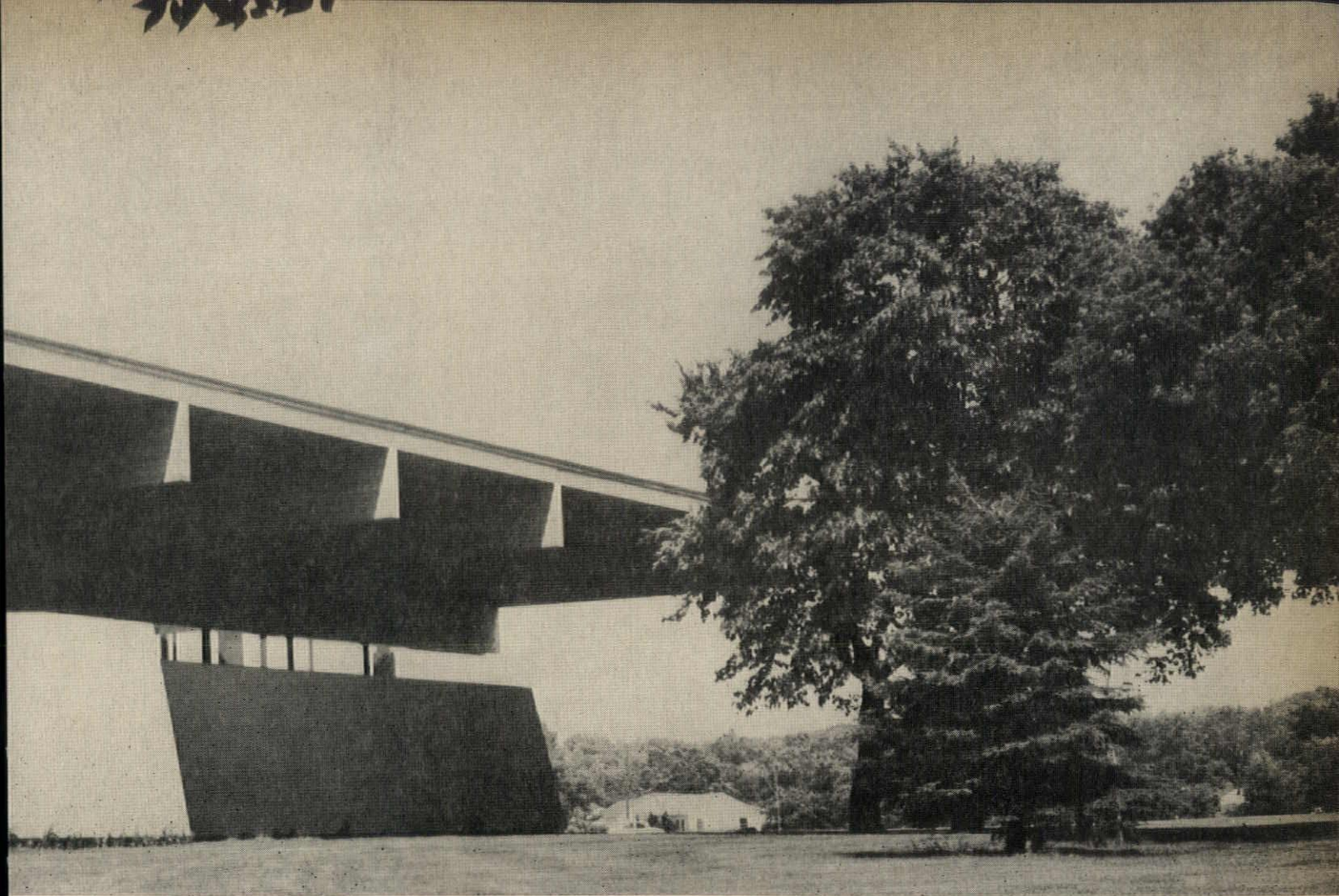
The solution relies on the vase space enclosure and the direct demonstration of the structural system for its aesthetic and architectural expression. Since the existing basement was not capable of receiving heavy loading, an independent system of 24" round columns 23' o.c. was used, supporting two double transverse beams upon which secondary beams of 155' length rested, with wood purlins and wood decking completing the framing. The exterior wall is non load-bearing and therefore has been structured using a steel stud cavity wall covered on both interior and exterior with a rough textured stucco, above which a continuous glazed surface separates the low wall structure from the high wood roof.

Ralph Rapson and Associates, Inc.—Architects: Richard B. Morrill—project architect: James C. Oliver—job captain: Levin and Bredow, Inc.—structural engineers: Environmental Engineers, Inc.—mechanical and electrical engineers: Adolfson and Peterson, Inc.—general contractors: Axel Newman Heating & Plumbing Co.—mechanical contractors: Ries Electric Co.—electrical contractors.









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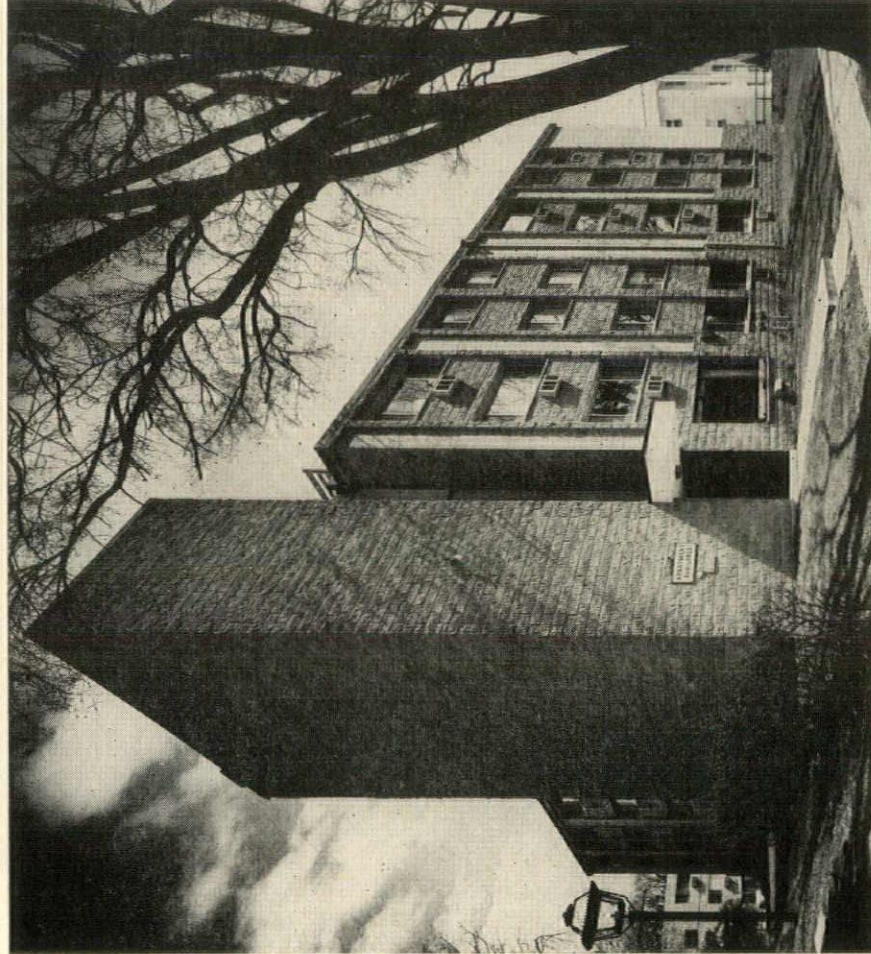
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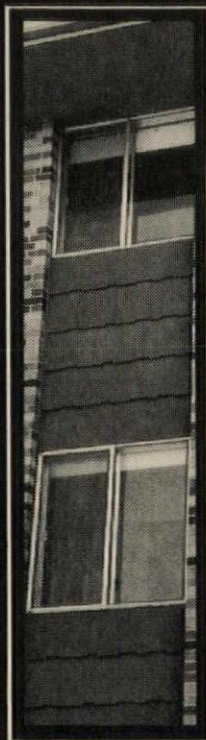
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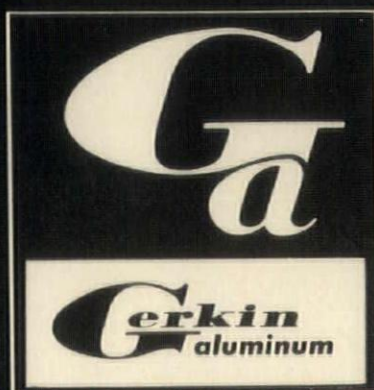
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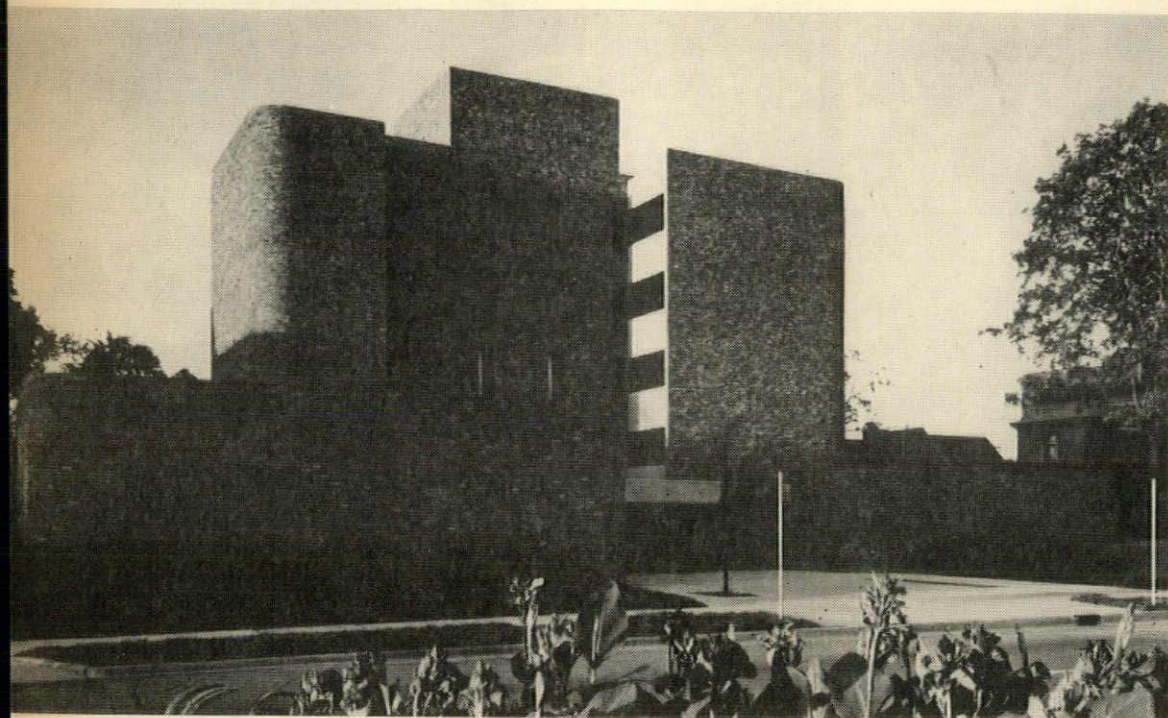


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1970 Wisconsin Chapter Honor Awards



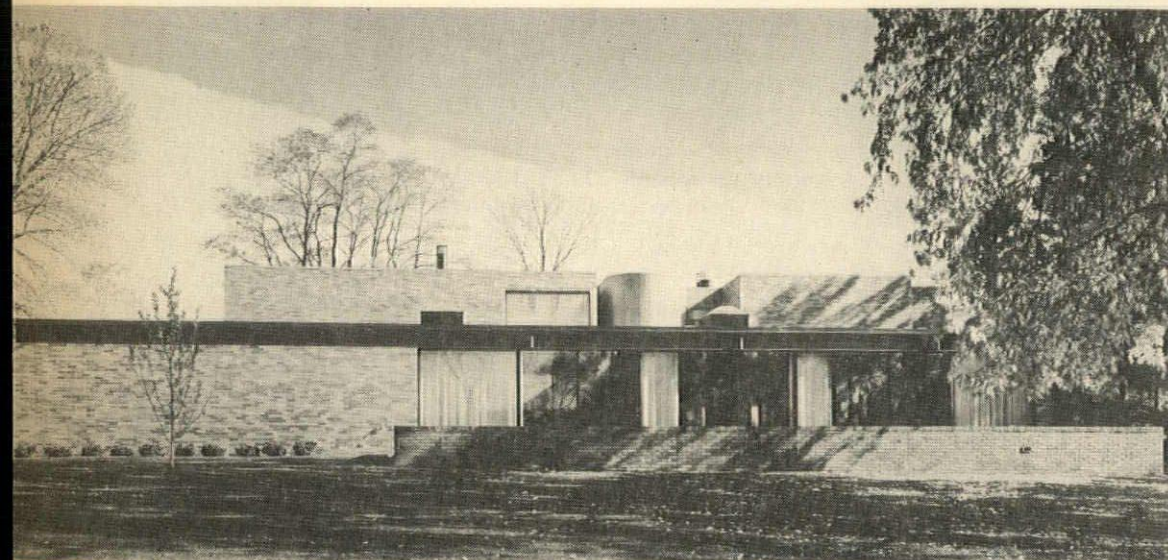
HONOR AWARD

Office Building for Luthern Social Services
Milwaukee

William Wenzler & Associates—Architects
Milwaukee

Jury Comments:

It is extremely strong. Quite an articulate plan in the organization of various functions contained within, with no contemporary clichés. It uses quiet materials. It is very, very honest and implies that much of the best of the architecture coming out of World War I has been found again. Just a tremendously strong building. This building is almost like Dudok. It is honest and strong and it makes the most of a very simple palette of materials. The massing is really outstanding. The building looks inward onto itself and is a very fine example of brick Architecture.



HONOR AWARD

Residence in Milwaukee
Office of Fitzhugh Scott—Architects
Milwaukee

Jury Comments:

There is no other way to express it except to say it's a great building. The plan is very, very straightforward. We are sure it would be a tremendous place to live in. The use of materials is extremely honest. It's a powerful and articulate solution. A very distinguished design for a superb site and for, obviously, very specific requirements.

The Wisconsin Chapter of The American Institute of Architects has announced the results of its 1970 Honor Awards Program. This annual chapter program "is promulgated to encourage excellence in architecture and awards are made for distinguished accomplishment in architecture."

There was a total of 70 submissions from Wisconsin chapter members' firms and 11 award recipients.

JURY REPORT

We were impressed that among the 70 entries there was a very high degree of professional competence. It was an extremely difficult thing to eliminate from consideration many of the projects because they were so well done. We did feel, however, that there were some areas in which we would like to see entries that were not there. One of them was that we did not see any entries in terms of involvement of the architect in community or neighborhood or going beyond the individual building or groups of buildings. We expect to see this in future years.

Adding to that, the diversity of solutions and types of buildings that were presented is very strong. They include low cost housing, very minimal budget and socially relevant problems and environment problems, the scale running from extreme low cost to obviously more contemporary problems in our society. We were impressed that they had a wide diversity of building problems—building types. We think this speaks well for the architects in beginning to identify with a wide variety of problems that heretofore might not have been typical of the architect. We hope that the architect has the opportunity in the future to become more involved with the complexities of city problems.

In some of the instances, where we had several buildings of a particular type that were all of very high caliber, the jury may have possibly been swayed by either the architect's ability or the client's ability to give some consideration to the landscaping, the tying of the building together with the site. Either for program limitations or otherwise, many of the buildings could have been tremendously enhanced with more consideration given to landscaping.

On the three honor awards, the program given to the client was interpreted by the architect so as to be particularly an original way of solving a problem. When you look at those buildings there is nothing in the man's education, there is nothing in the program to cause the buildings to be that way. It is particularly a contribution made by an individual, a person at the drafting board.

NORTHWEST ARCHITECT

Judges for the 1970 program were:

Louis R. Lundgren, AIA, practicing partner in Haastick, Lundgren and Associates, St. Paul architectural firm

Raymond D. Reed, AIA, head, Department of Architecture, Iowa State University, Ames

F. W. Salogga, practicing architect, Decatur, Ill.

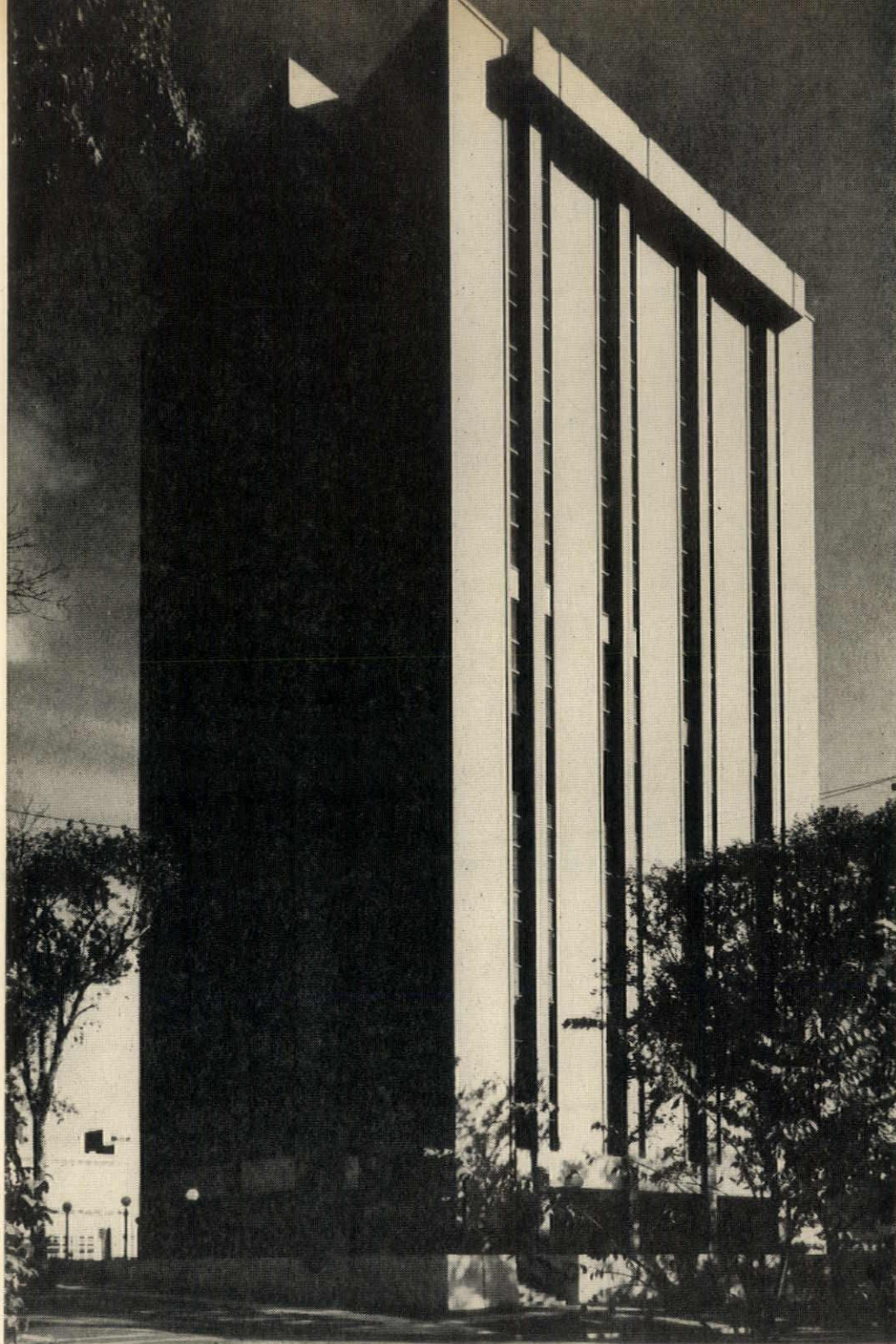
who sits down and interprets it in a way that we feel is particularly appropriate for the client or people that experience the building, whether they walk by it or work in it. This has the clarity, the power, that makes it unusual and that is why they were selected as honor awards. It is difficult for anyone without knowledge of architecture to walk by the three honor awards without being impressed.

We found a tremendous number of cases where the architect, working with a real budget and a real client, realistically solved the problem. He really is interpreting to the best of his ability the client's needs for real solution. We think we are getting out of the clichés. . . . Because of troubles in the United States and the concern for our environment we think this is really becoming a current trend in our profession.

To explain "getting away from clichés"—There is a period of styling without meaning, appearances without meaning—these appear in all architectural magazines and journals as the thing to do now and we found less and less of this in the designs we looked at; the thing to do was solve the client's problem. Less of architecture for architects' sakes and more architecture to interpret creatively the solutions of problems.

Theoretically a style or period might last for several hundred years and might reflect basically the way people feel or live. A cliché represents a much shorter time and might be called a fad.

Because of our vastly improved education, communications and in-service training, architects generally are levelling up, levelling down. Levelling up in competence. We learn and we see things, today, that we might not ordinarily have seen in another year or two in our practices. Generally speaking, the level of architecture in the United States is very high, as high as it has ever been in any nation at any time if you look at the best works. Even the smallest architect today has the entire world's resources at his finger tips. Travel and all uses of communication contribute to this. Nothing is regional expression. You transplant ideas from all over the world. In the case of the winner, it was



HONOR AWARD

**Graduate Research Facility
University of Wisconsin, Madison**

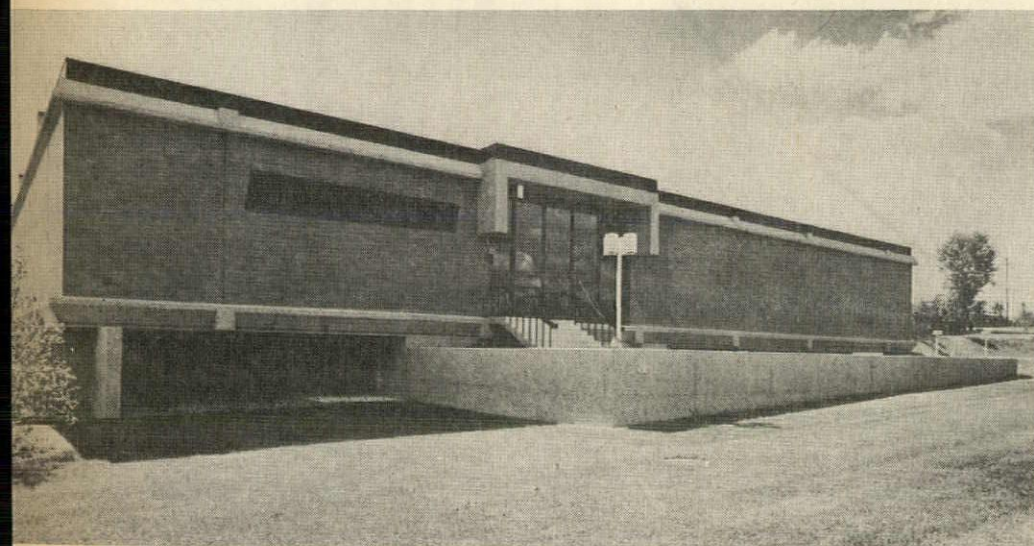
**Johnson-Wagner-Isley & Widen
Milwaukee**

Jury Comments:

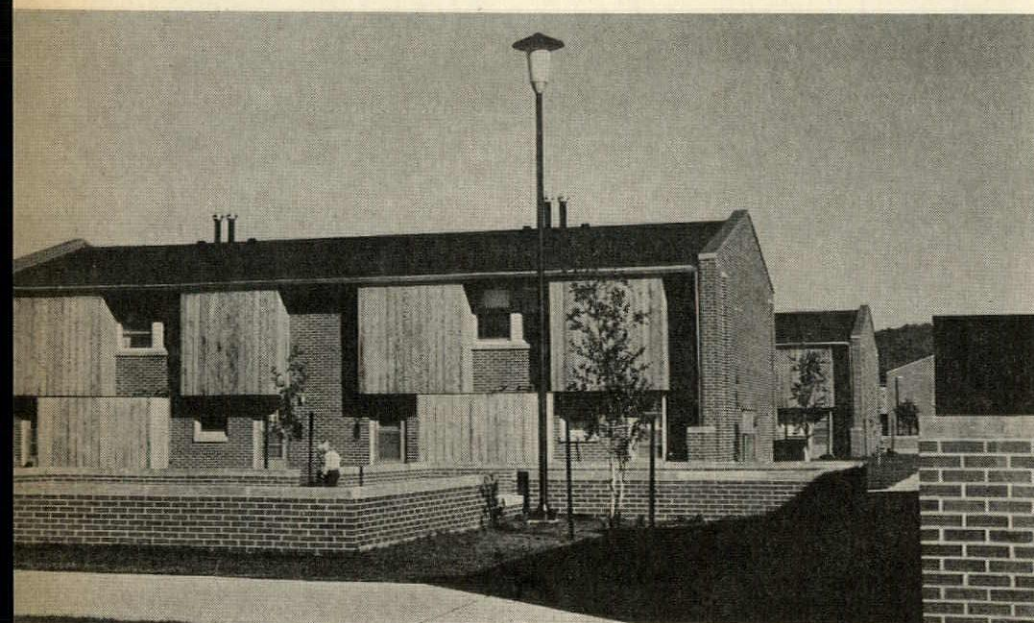
It is a very, very straightforward plan. The design is a problem strongly handled. As a building, it is quite simple, obviously a direct solution to the problem at hand. A very strong structure as far as its expression is concerned. Probably, in its simplicity it is doing the job with the least possible effort and should be commended on that basis. Graceful. It is a brick-clad structure and is really a very sophisticated building.



Grace-Holy Innocents' Church in Hartland
Maynard W. Meyer & Associates—Milwaukee



Wisconsin Telephone Co. Equipment Bldg. in Madison
John J. Flad & Associates—Madison



Low Rent Public Housing in La Crosse
Hackner, Schroeder, Roslansky & Associates—La Crosse

MERIT AWARDS

Eight merit awards, of which three are shown here, were made. The merit awards went to the following firms:

Maynard W. Meyer & Associates, Milwaukee—Maynard W. Meyer, architect: Grace-Holy Innocents' Episcopal Church, Nashotah, Wis. (Hartland).

John J. Flad & Associates, Madison, Emi Porenio, partner in charge, John Blasick, project architect: Marshfield High School, Marshfield, Wis.

Grassold-Johnson-Wagner & Isley, Inc., Milwaukee; Marshall and Isley Bank, Milwaukee.

Durrant-Deininger-Dommer-Kramer-Gordon, Watertown, Wis.: University of Iowa, classroom & office building Ames, Iowa.

Charles A. Woehrl & Associates, Inc., Madison: City Hall, Middleton, Wis.

John Somerville Associates, Green Bay, Wis.: Town of Neenah, office building, Neenah, Wis.

Hackner, Schroeder, Roslansky & Associates, Inc., La Crosse, Wis.: Low rent Public Housing, La Crosse, Wis.

John J. Flad & Associates, Madison: Thomas Flad, partner in charge, Thomas Nisbett, project architect, Wisconsin Telephone Equipment Building, Madison.

Jury Report (Continued)

an appropriate awareness of how other people solve their problems and how we solve ours. Southeast and West Coasts are excepted as climatically different.

We point out that what we are saying may on the surface sound like a highly specialized degree of eclecticism. We don't think it is. These things are available to all architects in terms of knowledge and form and other things. He is able to bring to each problem a few more resources, in term of potential solutions, than he ever did before. It's architecture not because our client has a big budget; it's architecture because the architect is trying to solve a real problem, and in most instances, we imagine, these clients were pretty hard pressed financially.

NORTHWEST ARCHITECT

BOOK REVIEWS

THE USE OF COLOR IN INTERIORS

By Albert O. Halse. Published by McGraw-Hill Book Co., New York, San Francisco, Toronto, London, Sydney. Hard cover, 121 pp., some color illustrations.

Reviewed by **Raquel Monica Rudquist**

The reviewer is a graduate of the School of Architecture of the University of Santo Thomas, Manila, Pl., and the Cranbrook Academy of Art, Bloomfield, Hills, Mich. Mrs. Rudquist—also an award winning weaver—is presently a senior designer in the office of Grover Dimond Associates, Saint Paul.

People who want to know why a room leaves them cold or why they seem not to have any appetite in a blue restaurant will find this book intriguing.

Albert Halse is a registered architect specializing in interior design and color consultation. His book covers color in the broadest sense. For example: in history, "Purple was originally made from the purpura shellfish of the Mediterranean. The dye from this shellfish, which was used for royal robes in ancient times, was so expensive that only the wealthy could afford it," in color theory, "Hue is the name of a color . . . , value designates whether the color is light or dark, intensity or chroma denotes the extent to which the hue is free from any white constituent" and in color design he covers the use, size and orientation of space in relation to color.

His chapter outlining the psychological effects of color was my favorite section. It was good to be reminded in a comprehensive and systematic way of the powers of color and that consideration should be given to a broad range of color sensibility, especially when selecting colors for interior spaces meant for the general public. Often architects impose their "personal" colors in a space, whereas Halse reinforces the importance of being considerate of the existent sensibilities of the people using the space.

In the same chapter Halse reveals an interesting design criteria for organizing the color of working spaces. Making the assumption that a sufficient number of color changes are needed to provide psychological contentment, Halse makes a point of designing a space to expose individuals to most of the colors of the spectrum in the span of their day's work.

He makes an attempt to be comprehensive in specific detail as in the book's section on "The Application of Colors: Built-in Materials" where he gives a

fairly complete list of items that might be encountered in the design of an interior space. For example, Halse lists the color ranges of 311 different kinds of marble currently in production.

I suppose one liability in writing a book about color is the danger of being accused of not using enough color in it. Halse rather often gets carried away with verbalized descriptions of combinations of colored materials when a color illustration would have been at the same time more exciting and specific. In contrast, Josef Alber's book "Interaction of Color" is hard to beat when it comes to showing the "magic" qualities of color so explicitly. As a book about color, Halse's book does not have as good a relationship between the verbal content and the visual material as does a book like Alber's.

Those color plates in Halse's book devoted to examples of interior spaces reveal color solutions that appear very reasonable and sure but I kept wishing he had included some examples of a more challenging solution to an interior problem.

I think this book is an important help, especially for students interested in interior design. Professionals in the field will find the book to be an excellent cross section of their many faceted job but might feel the book to be a bit "safe" rather than stimulating.

SYSTEMS BUILDING: AN INTERNATIONAL SURVEY OF METHODS

By Thomas Schmid/Carlo Testa. Frederick A. Praeger, Publishers, 239 pp. \$20.00.

Reviewed by **John W. Cunningham**

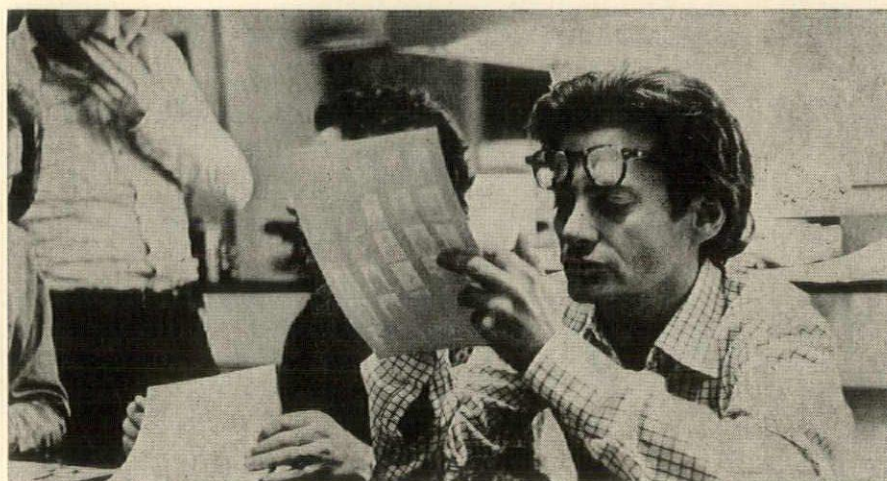
The reviewer, a graduate of the University of Minnesota and the Harvard School of Design, is a partner in the Times Annex Architects, Minneapolis. Mr. Cunningham has been involved in the study and development of a modular construction system for the past several years.

It seems to me that the modular approach is always more greatly revered in Europe. Exactly why this is true I'm not sure although it may be because of the value placed on it by the various academies of architectural training around Europe.

In any case, I don't think the usage of multiple of material measurement has ever gained a widespread acceptance in America, as witness the multitude of different building conventions that one may use. There also is the preference of American architects for a great deal more freedom and individuality than

(Continued on Page 268)

AVEDON



By Linda Hoeschler

A portrait is the image of a likeness—plus something else, and it is the perceptive capture of the something else—character, emotion or telling gesture—which marks and makes memorable the more than 200 photographs by Richard Avedon currently on exhibit in the Minneapolis Institute of Arts until the end of August.

Avedon's monochrome photographs spill like jewels across the seven top floor gallery walls, newly repainted a glossy silver, bordered and sharpened by black ceilings. The exultant effect of presenting these varying sized (six inches square to mural proportions), yet usually bigger-than-life pictures against the silver backdrop is the impression of Gargantuan metal encrusted icons or of mammoth precious stones set in a Faberge enamel egg.

These well arranged, well spaced photographs (most of which are included in Avedon's three books) resemble highly refined versions of the passport and photo-booth pictures which Avedon declares are beautiful. The light is raw, the backgrounds are plain, often stark.

It sometimes appears as though the naked spaces surrounding the geniuses and gods of our times define them, rather than vice versa, perhaps because the space isolates them from their traditional milieu.

Similar to passport type pictures, the defenses are down in Avedon's portraits. He seems to have caught the personality between the poses—the private person unmasked of the public charade. These incisive delineations are particularly surprising because for the past 25 years Richard Avedon has worked as a fashion photographer, portraying the comfortable way of life for the chic, smart set. Yet evidently this work has enabled him to find the human face behind the fashionable front.

The fourth gallery epitomizes this concept of relaxed defenses. The photographs are of equal size, the subjects appear to be gazing out of windows and most of them are caged in a quiet weariness. Dwight Eisenhower appears somber, spent, almost blank and devoid of traces of his usual grin; Marilyn Monroe tensely, sadly is

engaged in unfocused thought; Ezra Pound closes his eyes in tormented silence; and Major Claude Eatherly, legendary pilot at Hiroshima, stares with agonized worry.

Avedon's portraits often articulate the personality through the recording of a meaningful gesture, without which the subject would somehow look more posed. Marianne Moore, in tri-cornered hat, lifts her hand, conjuring an image of Ichabod Crane about to direct his choir; Truman Capote jauntily lays hands on hips, raises an eyebrow, presenting an impression of an all-knowing prepubescent youth; and Marian Anderson, hair flying, opens her mouth with the strength to sing her way into Constitution Hall.

The mordant contrasts between many of the portraits are often most significant. "Good guy" astronaut Alan Shepard hangs next to shifty-eyed George Lincoln Rockwell. An iconoclastic series includes cartoon-faced George Wallace, a self-assured, tyrannical Perle Mesta, a saccharine Billy Graham and the dogmatic "boss" and caricature of white justice,



of the D.A.R. and "Seven" hints that the actions of these symbols of American patriarchy, descendants of the first revolutionaries, and those like them gave birth to the current revolutionaries, sympathetically portrayed by Avedon.

The seven, depicted individually and in a group in their black tomb (designed by Marvin Israel, who also did the catalog and gallery painting) stare at the viewer as if to say "What the hell were you doing during the Chicago Convention?" They are given an added advantage over the D.A.R. for speeches by each of them, mostly dealing with the need for change in America, are played over a speaker.

Clearly Avedon has editorialized in this coda to the show, as he is almost bound to do in photographing anyone—something he admits. Yet although he, as any photographer, can use the lens as a selective instrument, unlike a painter he is subject to the discipline of the incontrovertible facts that appear before the lens—he can slant but cannot invent.

More important is that in each of these pictures Avedon has discovered a person, perhaps a person who is largely his own inven-



tion. Yet it is to his credit that each invention seems convincing. It is this aspect of his photography which makes it valuable and enduring; although everything of and about the subject may have changed, each portrait has a life of its own.

Linda Hoeschler is a freelance arts critic and reviews music for the Minneapolis Star.

Leander Perez.

However, the most suggestive comparison exists between the picture of the bloated, bandolined brass of the D.A.R. hanging at the entrance to the final gallery and the contents of the gallery—floor to ceiling portraits of the "Chicago Seven." (This room is curtained and black shrouded, including black carpeting.) The juxtaposition



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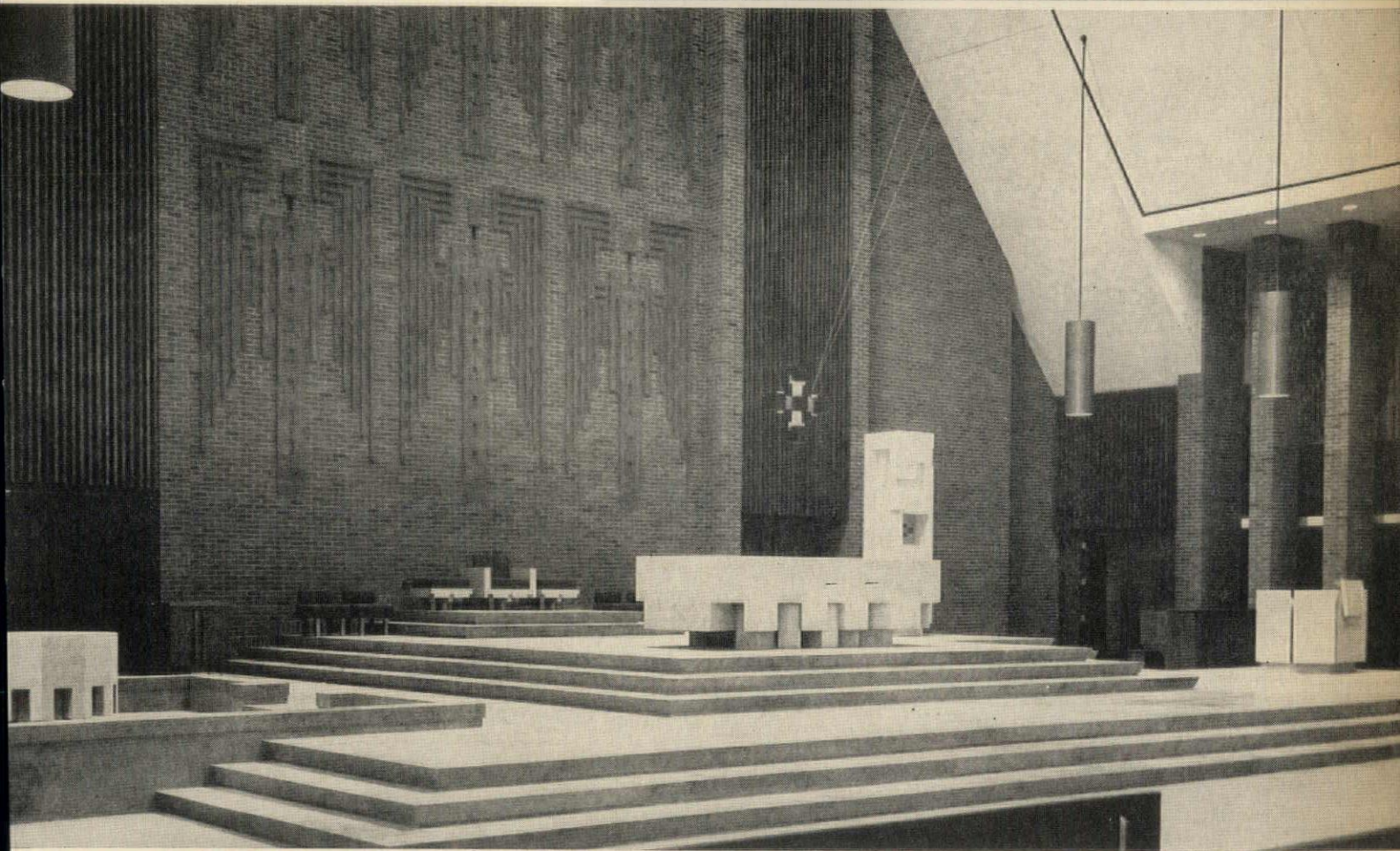
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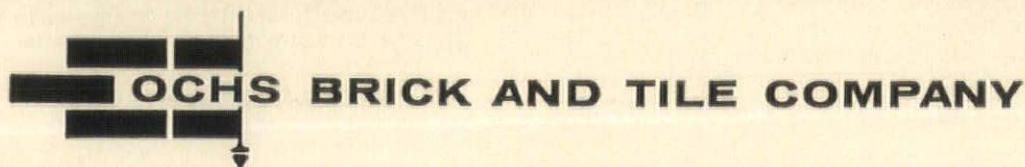


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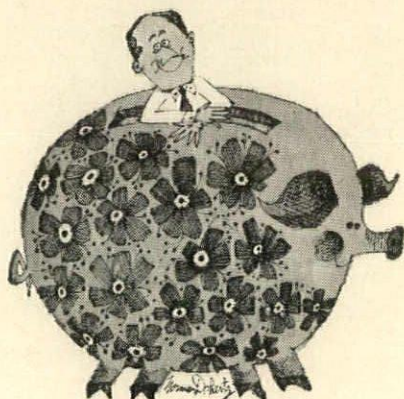
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Book Reviews

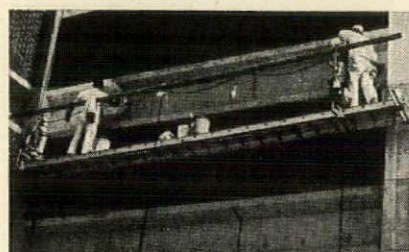
(Continued from page 263)

any one system may allow. The authors make a very telling point in this respect in that the utilization of a modular formula at the outset solves several of the problems which architects usually save until the end.

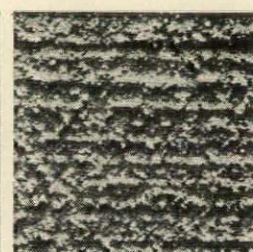
The authors attack the very foundation of the present day, accepted practice of architecture and flatly assert it is their belief that architecture would be well rid of the "architect as artist" syndrome. The profession, as a whole, would benefit greatly from the greater knowledge and sense of competence that a more complete knowledge of more limited but effective building systems would bring. Messrs. Schmid and Testa refer to it as "The Reversed Designing Procedure," which is the process of deciding upon and analyzing some appropriate systems and then using one as the tool in designing the spaces for a given project.

Briefly, the book is divided up into three sections—the first is an introduction to the history and the development of prefabricated systems, the second the development of systems the author has studied and the third, by far the largest section of the book, is devoted to descriptions of a few of the systems used around the world.

When reading this book one must keep in mind that the authors have done a great deal of research in perfecting a modularized system. It is therefore understandable they have both a vested interest and



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great belief in the success of their approach. They go to some length to describe it as to its utilization, and at one point they go so far as to suggest that in the future competitions should be based on the utilization of some kind of discipline. Judges of the competition should be well versed in the modular approach in order to be able to more accurately decide whether the contestant has effectively utilized a system prescribed by the conditions of the competition.

The great bulk of the book is devoted to a very cursory survey of approximately 60 building procedures being used in the world today, especially in Europe. To the student of building methods or to one who is seriously engaged in the development of a system, this survey will prove to be somewhat superficial and really only provide addresses to which one may write concerning further information. However, for the purpose of cataloging some of the approaches being utilized today, the book is valuable and serves as an excellent introduction to anyone generally interested in what is considered now to be one alternative for the future.

HOSPITAL ARCHITECTURE AND BEYOND

By Isadore Rosenfield. Reinhold Book Corporation, New York, N. Y. 1969. 310 pp., illus. \$24.95.

Reviewed by **Thomas Harty**

Mr. Harty, a graduate of the University of Minnesota and the Cranbrook Academy of Art, is a partner in the firm of Harty, Elving and Associates, Minneapolis.

Isadore Rosenfield must be ranked among our country's outstanding hospital architects. He, in collaboration with Zachary Rosenfield, has written "Hospital Architecture and Beyond," recently published by the Reinhold Book Corporation. The Messrs. Rosenfield have collectively a most impressive list of experiences in the design of medical buildings.

At first glance the book appears to be another edition of the personal experiences in design by a successful hospital architect but upon closer examination one can appreciate the efforts of the author in trying to assist those genuinely interested in hospital planning by virtue of his many years of involvement in this field.

The author provides the reader with a romantic history of the development of the health care facility from ancient Greek and Roman times, through the domination of the Christian church for all health care functions and on to the present day. The Roman "valetudinaria" had the form of a portico court onto which opened rooms for the housing of the sick. This architectural form is the original ancestor of our hospitals. The evolution of this form is described with interest and is illustrated in the outstanding examples of the hospitals of the Abbey at St. Gallen in Switzerland, built in 1820, L'Hotel Dieu in Paris and Ospedale Maggiore of Milan.

According to Mr. Rosenfield American hospital development started with the utilization of the Night-

ingale pavilion plan. By the turn of the 20th century the monoblock design made its appearance, followed by the development of a combination of these two designs.

The author's intent in this book is to discuss how a hospital should be put together so that when com-

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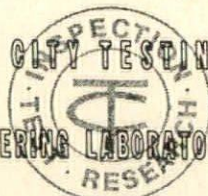
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pleted it is more than a mere collection of functions and departments needed in the practice of medicine. He also states that the hospital plant must be so assembled that as a whole and in itself it will serve as a tool in aiding the therapeutic processes. One may or may not concur with the approaches used by Mr. Rosenfield but that final evaluation must be left to the reader.

This book is most illuminating and for those interested in the evolution of hospital planning it will provide a fundamental and fascinating approach.

AIA and AGC Announce Two Important Documents

The American Institute of Architects and the Associated General Contractors of America have announced publication of a revised General Conditions of the Contract for Construction and a new Instruction to Bidders.

AIA Document A201, "General Conditions of the Contract for Construction," is the 12th edition of a guide first published in 1911. A new companion publication, AIA Document A701, "Instructions to Bidders," outlines bidding procedures, qualifications for bidders, performance bonds and other matters.

The revised General Conditions is based on deliberations between the 24,000-member AIA and the 9,000-member AGC to clarify legal responsibilities of the contractor and the duties of the architect as the owner's representative.

"This represents a significant achievement in cooperation between the two organizations and will be of benefit to the entire construction industry and the public. Consistency of language in standard construction documents helps eliminate confusion and this should result in lower bids since the contractor does not have to include a cost factor for unexpected contractual contingencies," said AIA Pres. Rex Whitaker Allen, FAIA.

The General Conditions document covers such subjects as work execution, payment, methods for change orders, handling disputes, protection of persons and property, insurance, subcontracting, correction of work and termination of the contract. Using the document as a base, an individual contract is suggested for each building project. The architect is not a party to the contract but does help prepare it and undertakes duties assigned to him by it as the owner's representative.

The Associated General Contractors at its convention in March endorsed use of the two documents by its membership.

Combined copies of A201, "General Conditions of the Contract for Construction," and A701, "Instructions to Bidders," can be ordered for 85c through AIA Documents Division, 1735 New York Ave., N.W., Washington, D. C. 20006.

WISCONSIN PLANS COURSES ON SPECIFICATION WRITING AND NOISE POLLUTION

The University of Wisconsin-University Extension, in co-operation with Region 7 of The Construction Specifications Institute, will present a two-week short course, "Principles of Construction Specification Writing" on the University's Madison campus August 24-September 3.

"Intended primarily for those aspiring to become specification writers, lecture and workshop sessions will be utilized to the advantage of participants, with problems of practical import to be developed by participants under the guidance of the instructional team," the announcement said.

The university will also offer a two-day seminar in "Noise Pollution of the Urban Environment" on October 19-20 on the University's Madison Campus. This seminar will present an overview of the problem and solutions will be presented from engineering and architectural standpoints, coupled with that of government intervention—in particular various urban and regional planning measures, introduction of new laws and methods of enforcement, as well as new standards of measuring sound pollution.

Inquiries should be directed to University Extension, 725 Extension Bldg., University of Wisconsin, 432 N. Lake St., Madison, Wis. 53706.

ARCHITECTURAL SECRETARIES HOLD NATIONAL CONVENTION

The National Architectural Secretaries' Association held its annual convention in Denver on June 12 and 13 and elected Erma H. Bolick of Seattle as president. In attendance were 20 delegates from the Hawaii, southern California, Colorado, Seattle, Minneapolis-St. Paul and Dallas chapters. The delegate from the Minneapolis-St. Paul chapter was Lucille Burbank of Patch, Erickson, Madson & Hanson, Architects, Minneapolis.

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Burlington Industries Becomes Partner in Jonathan

Burlington Industries, with corporate headquarters in Greensboro, N. C., has become a full partner in the Jonathan Housing Corporation, Henry T. McKnight, Jonathan, president, has announced recently.

Jonathan Housing Corp. was formed last summer as a joint venture of four major firms to conduct an experimental home building program in the new town of Jonathan, about 20 miles southwest of Minneapolis near Chaska, Minn. Burlington now joins Northern Natural Gas Co., Omaha, Neb., Olin Corporation, Stamford, Conn., Stanford Research Institute, Menlo Park, Cal., and Jonathan Development Corporation in this venture.

Burlington is the world's largest and most diversified producer of textiles and allied products, the report said. Jonathan Housing

brings together experience from the design professions, from the business and manufacturing communities and from the field of basic research to provide creative solutions to today's housing problems.

The corporation's interests lie in two areas—first, the development and provision of flexible dwelling systems for low and moderate income families and, second, the development and provision of business systems which provide better products and services to the consumer, both from the short and long range viewpoint.

Primary development has been completed on two building systems. The first is a flexible dwelling unit which can be constructed in several stages and is in the middle income range. The second is a low income housing system con-

sisting of entirely prefabricated modules which can be used in a variety of ways. Prototypes of both dwellings have been completed at the new town of Jonathan.

Construction is scheduled to begin this summer on 12 single-family units and 24 modular apartment units, according to Ben H. Cunningham, general manager of Jonathan Housing. The units will be built in the first village at Jonathan and will be both sold and leased.

The new town of Jonathan is being developed by Jonathan Development Corporation and is planned to have an eventual population of 50,000. The corporation received a big boost in February of this year when the U. S. Department of Housing and Urban Development signed an agreement to commit \$21 million of debt obligations to help develop the community. Jonathan is the first such community in the nation to be developed under HUD's New Communities Program.

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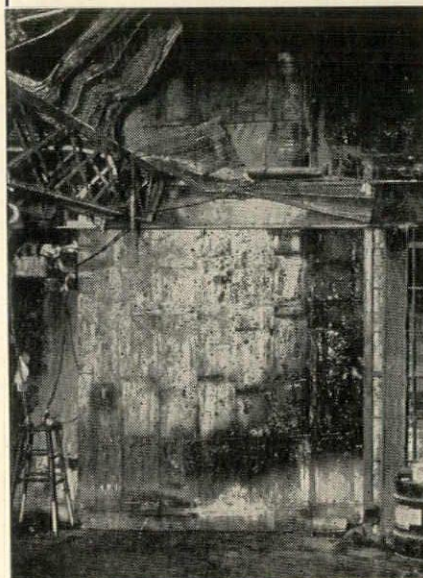
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JOHN ANDERSON NAMED TO RESEARCH FOUNDATION OFFICE

John C. Anderson, AIA, FCSI, Chief Administrative Architect and Vice President/Secretary of the Minneapolis firm of Thorsen and Thorshov Associates, Inc., has been named Secretary and a member of the Board of Directors of The Construction Sciences Research Foundation, Inc., Washington, D. C. The Foundation conducts research in the areas of communications and automation techniques in the construction industry. It is the nation's only research organization dealing with all aspects of construction communications and it acts as the focal point for architects, engineers, manufacturers and contractors in the industry. The Foundation is engaged in a research program designed to standardize communication in the building industry, permit rapid and substantially error-free design with computer assistance and save the building industry billions of dollars a year. Mr. Anderson joins ten other noted men from various segments of the construction industry in the United States and Canada on the governing body of the Foundation.

Mr. Anderson served as President of The Construction Specifications Institute in 1967-68 and was one of the founders of The CSI Research Foundation, Inc. now known as The Construction Sciences Research Foundation, Inc. He has been active in Institute affairs since 1957 and was a founder and first president of the Minneapolis-St. Paul Chapter of CSI. Anderson served his Chapter in a number of capacities and on the national level of the Institute has served as member of the Board of Directors, Vice President and a member of several Institute Committees. He is a member of the Minneapolis Chamber of Commerce, the Minneapolis Business Forum and is active in the Boy Scouts. A registered architect in Minnesota and North Dakota, he received his B.A.R.C.H. from the University of Minnesota. He and his firm have been associated with numerous building projects in Minnesota and neighboring areas and most recently he is Architectural Executive Director of Medical Facilities Associates, a joint venture of his firm and two others for the new Hennepin County General Hospital.

CSI NEWS

THE
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JACK LINDEMAN NETS 10% OF NATIONAL CSI SPECIFICATION COMPETITION AWARDS

Jack E. Lindeman, AIA, CSI, vice-president in charge of specifications and contract administration for Thorsen and Thorshov, Minneapolis Architects, headed specifying teams winning 4 of 40 awards in CSI's national competition. Presentations were made at the 14th Annual CSI Convention, June 8, in Chicago.

Awards were made in eleven categories of construction for projects throughout the United States.

CSI holds its Annual Specifications Competition to promote its objectives of improving specifications practices by recognizing merit and by encouraging others to follow examples set by award winners.

Lindeman's awards were:

Category A—Schools and Educational Buildings and Facilities.

Second Place for the New Franklin Junior High School, Minneapolis, with Engineers Oftedahl, Locke, Broadston and Associates, Inc.

Category B—Public Buildings.

Honorable mention (with Peter A. Terry and Richard L. Feig of W. J. Sutherland and Associates, Inc.) for Minnetonka Municipal Building, Minnetonka, Minn.

Category C—Commercial Buildings.

First Place (also with Peter A. Terry and Richard L. Feig) for Phase II, Gamble's Delta Plaza, Escanaba, Mich.

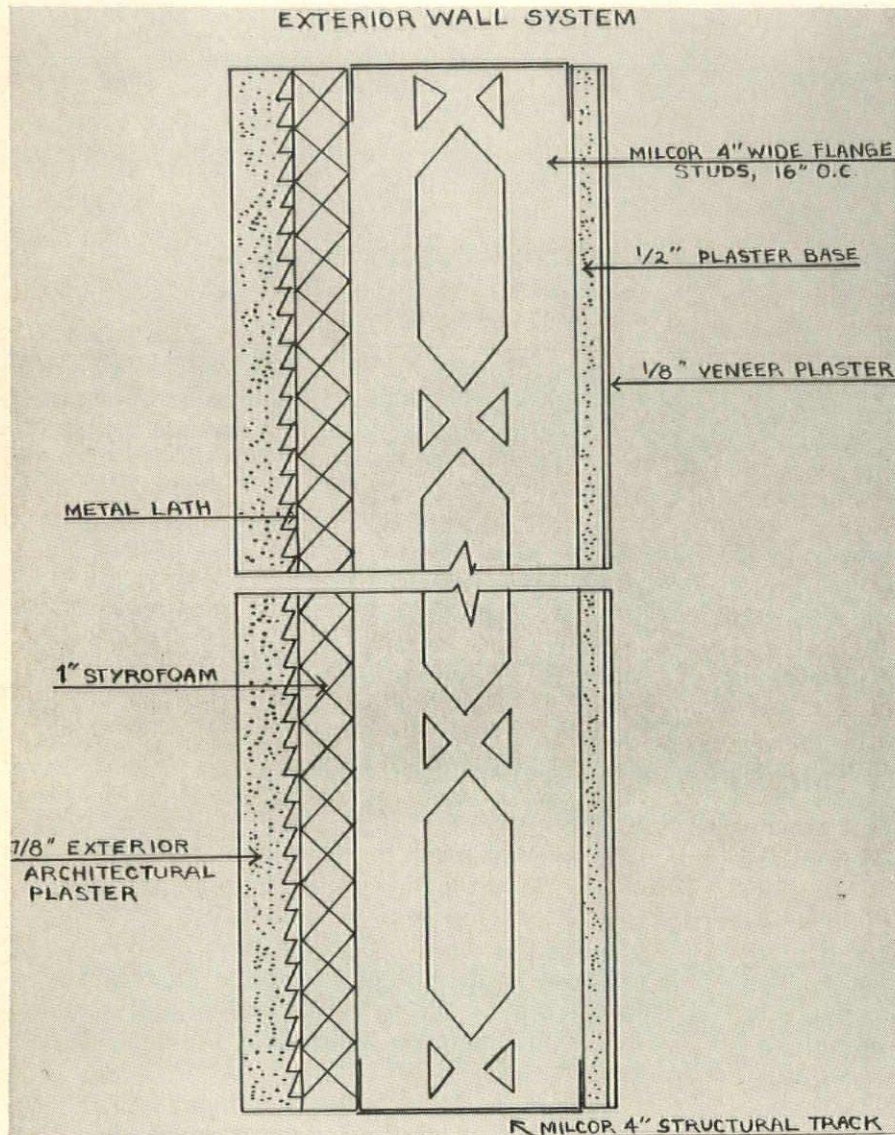
Category H—Apartment Buildings, Housing Projects, Convents, Rectories, Etc.

Honorable mention (with Robert E. Erickson and Carl W. Lindholm of Michaud, Cooley, Hallberg, Erickson and Associates, Inc.) for Ebenezer Tower—Federal Project No. SH-MINN-29, Minneapolis, Minn.

Also winning an honorable mention in the competition was Kenneth H. Peterson, AIA, CSI, Chief Specifier, of Sovik, Mathre & Madson, Northfield. His award was in Category D, Institutional Buildings, for Knute Nelson Memorial Home, Alexandria, Minn. This specification was written with Knute A. Henning of Mooney and Henning, and Kenneth Tompt, both of Fargo.

New Exterior Wall System

By Clint Fladland, CSI



An architect begins to visualize a unique space age design for a bank.

Another architect is faced with the challenge of designing a building whose foundation has already been laid.

A stringent budget limits the architect on a remodeling-enlarging project.

The wall system each architect chooses for his particular requirements is the same: an exterior wall framing system, such as manufactured by Inland/Milcor consisting of various gauges and sizes of structural studs, supporting such base materials as metal lath or sheathing.

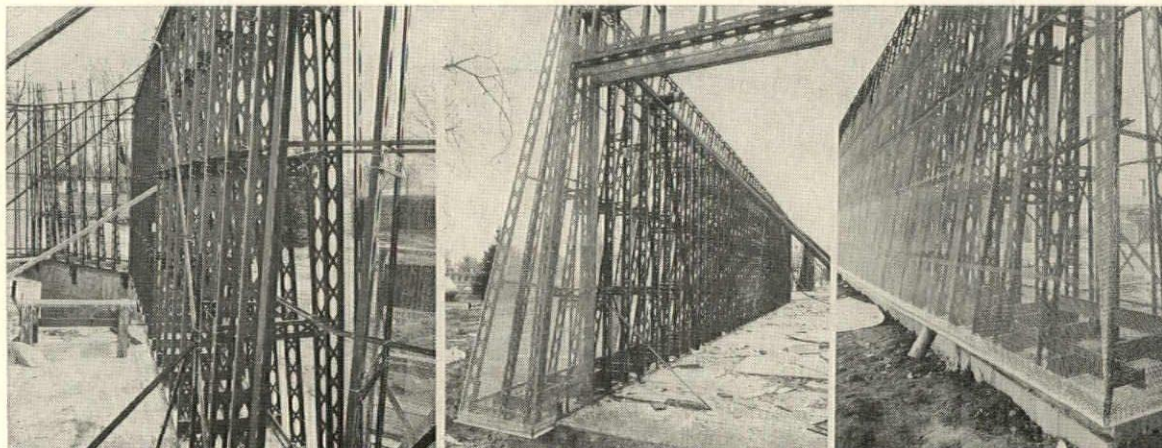
Insulation may be incorporated into the system: Dow Chemical's TG brand of plastic foam comes in boards with a tongue-and-groove design for gap-free installation by means of copper nails applied with a welding gun.

Mechanical services are installed in the cavity of the wall—a feature which appealed to all three architects since this method saves costs, obviates the installation of separate enclosures and speeds the work along to completion.

Horizontal runs of piping and conduit are facilitated by punched openings 6" o.c. in each stud.

If cost is a problem, and few are the jobs where at least some consideration isn't given to the square-foot average, this system

Exterior wall at various stages of construction.



comes in at well below the cost for alternative systems. Among the checkpoints for costs are the fact that both exterior and interior wall surfaces may be applied simultaneously and by the same crews and that no additional preparation is needed—the same framing provides for both exterior and interior wall surfaces.

If freedom of design is a criterion, the combination of steel stud framing and metal lath is ideal. A canted wall, a pierced wall—there are virtually no design limitations. Both exterior and interior finishes can vary all the way from laths of various kinds, interior plaster, exterior stucco, epoxy matrixes for exposed aggregate and the like.

Weight is a prime consideration in many instances and this system provides walls that are as much as 75% lower in dead weight than pre-cast concrete or masonry walls.

One of the many variations of this wall system consists of 1 $\frac{3}{8}$ " leg structural studs with exterior skins, 1" styrofoam, galvanized lath and 1" portland cement; inside skin consisting of $\frac{1}{2}$ " gypsum board, thin coat plaster—will provide a thermal resistance value of R-7.61 ($U = .1314$) which is comparable to 8" block framing. Substantial reductions in wall dead loads are realized, since this system weighs but 20 PSF. Because of this there can be a reduction

in slab-to-slab construction, rebar requirements in foundation and footings and reduced structural requirements.

This system provides wind loads to 40 PSF, based on framing members only. Deflection of the studs will not exceed $L/360$ and meets ASTM and AISI specifications.

It has been found that the usage of studs with cementitious exterior skins to simulate precast finishes will realize savings as high as 50% of the material cost of some precast and masonry walls.

Descriptions of the wide range of combinations for this system are not as apt as the visual impact so the Minnesota Lathing and Plastering Bureau has designed and built a series of mock-ups, complete with finished texture and a variety of colors. These are on display at Bureau headquarters, 795 Raymond Ave., St. Paul.

The system is also flexible insofar as code requirements are concerned. A two-hour fire rating is available, if that is among design criteria.

Any type of supporting structure can be used for this wall system: structural steel, reinforced concrete, masonry bearing walls with concrete plank or a combination of these.

When the structural frame is finished, the supporting framework of steel studs, runner track, bridging and bracing channels is erect-

ed in the same manner as for interior walls. Metal lath is ordinarily wire-tied to the studs.

In the case of remodeling or enlarging studs can be attached directly to the existing structure by means of channel furring brackets.

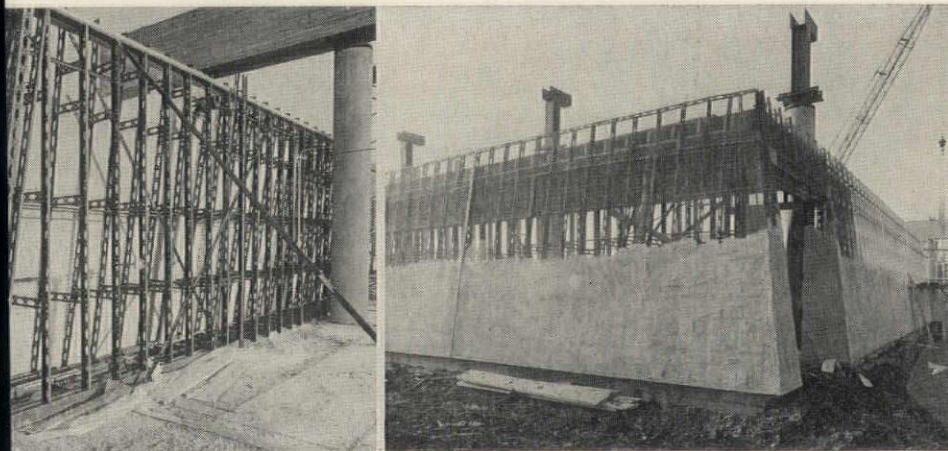
This type of wall system can, optionally, be pre-fabricated either on or off the job site and the panels tilted into place. This is a decision that would be dictated by individual job requirements and situations. In some cases, the exterior surface material, too, is part of the pre-fabrication process.

Metal panels used in accent areas can be fastened directly to the studs and glass panels or window units are easily framed in.

Curved or flat, recessed or angled—any shape the architect dictates can be faithfully reproduced with this flexible wall system that cuts costs without affecting either quality or appearance adversely. Used for either load-bearing or non load-bearing walls, the steel stud and metal lath combination has proved itself aesthetically and from the standpoint of strength and durability in the rigorous laboratory of Minnesota climate.

Among the recent uses of the system in this area are St. Thomas Aquinas Church, St. Paul Park; Ebenezer Home addition, Minneapolis; Community State Bank, Bloomington; North Central Airlines administration building; Roseville Medical Center Penthouse; Bierman Baseball Grandstands, St. Paul; Sheraton-Rochester Hotel, Rochester; Montgomery Ward Plaza, Rochester; Lawyers Building, Minneapolis; Minnesota Mutual Life Building, Minneapolis; River Falls School, River Falls, Wis.; Divine Redeemer Memorial Hospital, South St. Paul; Baldwin Nursing Home, Baldwin, Wis.; Polly Manufacturing plant, Mankato.

Mr. Fladland is executive director of the Minnesota Lathing and Plastering Bureau.



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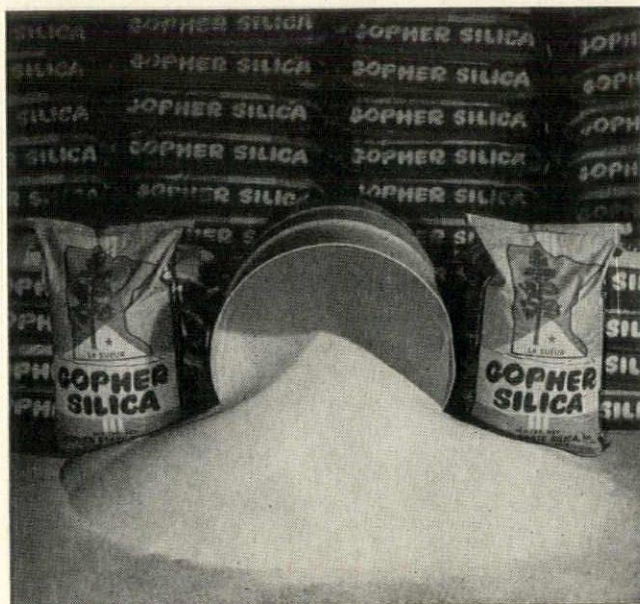
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DESIGN TEAMS— GOOD OR BAD?

Design concept teams, if properly utilized, can help solve many urban highway problems but sometimes have a tendency to create new controversies by their very nature, says a new report from the Highway Users' Federation for Safety and Mobility, which is described as the first comprehensive study on urban highway design teams to be conducted on a nationwide basis.

In general, despite many problems, the federation report finds early results of design teams "for the most part positive" and that they are introducing a trend that is both "inevitable and desirable."

Author of the report is Douglas C. Smith of the Highway Users' Federation, who states that many public officials are "grasping desperately" at the design team idea as the ultimate solution for urban ills hoping for simple answers to complex problems.

Others see the involvement of the mixed disciplines in the design process as a "threat" to their individual professional or personal security. There also exists an attitude that design teams are too expensive and that they have a tendency to overturn prior decisions. As a result, there have been many claims for and against the team concept, and there is an element of "fadishness" about them.

Mr. Smith concludes that the real value of the design team is jeopardized both by "oversell" on the part of some and "uninformed criticism" from others.

Single copies of the report are available without charge from the Highway Users Federation, 200 Ring Bldg., Washington, D. C. 20036.

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Architectural Research Meeting Set for Cincinnati

A major conference on architectural research will be held in Cincinnati, November 1-3, it has been announced by The American Institute of Architects. The seventh annual Architect-Researchers Conference is co-sponsored by AIA's Joint Committee on Research and the Department of Architecture at the University of Cincinnati.

Current research by architects and non-architects on a wide

range of problems affecting how Americans live will be presented. Around 30 research papers and 300 participants are expected. Subjects include design of courtrooms, industrialized housing, urban transportation, planning for health and college facilities, shelter for American Indians, computer applications and others. Papers presented at this year's conference will appear in the fourth annual publication of the proceedings of the Architect-Researchers Conference.

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Teach-in

(Continued from page 249)

young men and women, if encouraged, could provide a substantial and as yet untapped source of manpower with which to help implement our environmental leadership.

C. Establish a list of MSA members who wish to become actively involved in environmental problem solving.

D. Set up a program directed at educating mortgage bankers, realtors, contractors, builders and developers about the importance of long range environmental planning as well as the short term advantage of environmental control through professional design.

E. Serve as our own best public relations group by securing a permanent headquarters which would provide important facilities to be used for the promotion of ideas. These facilities should include a large exhibition area, an audio-visual workshop and a conference room designed to accommodate groups for multi media shows, as well as permanent MSA offices and group meeting areas.

I personally feel these recommendations are vital to our society's progressive continuing involvement in problems concerning Minnesota's environment.

I strongly urge that our society quickly and firmly enact programs which will make this proposal meaningful. We can no longer afford the luxury of dabbling in environment as individuals. We must organize as never before in an effort to regain our professional prestige and use that prestige to advance well articulated programs aimed at saving the good that is left in our natural world, while at the same time planning and designing a superior man-made world.

As architects and planners we do our communities a great disservice if we let this crisis of world proportions bring ruin to our environment without raising our voices. Many other makeshift ecological groups are fast becoming the spokesmen for environmental change, while we as licensed and experienced professionals remain for the most part silent. Possible short-term personal economic losses should not deter us from contributing solutions to these critical problems, solutions we should be far better prepared to offer than the groups usurping our privileged position because of our abdication.

MSA's participation in the April teach-in, humble though it was, should be viewed as a start that can mature into a continuing and

growing opportunity to accomplish great good for our communities if we have the determination as an organization to supply the time and money it will take to achieve such good. In the critical years ahead through our society we can strongly reflect our professional concern for the ideas that we have struggled so hard to learn and which we admire.

Over the years Minnesota architects have presented studies for a better development of our communities. Their proposals were in some cases detailed and impressive; however, rarely did their professional advice strike a responsive cord among various governing agencies. The 1906 city plan of Jager-Straus-Edwin and Halden is an example of such a proposal. Even though the plan was published in the Minneapolis Journal and 48 years later published again as part of the official city plan it has been little followed. Instead the city has been dissected by governmental agencies until it is more a waste product of haste than a product of professional thinking.

As urban areas go time has been rather kind to metropolitan Minneapolis-St. Paul. While the interior greenbelts have resisted the encroachment of "civilization" for many years and the housing is in somewhat better shape than housing of the same age in other major cities, the area in general is in danger of rapidly decaying due to the lack of a comprehensive environmental plan. It is true that there are agencies involved in metropolitan planning in the area; however, they are for the most part ineffective or merely ingratiating.

A mass transit system, a major air transportation system and new major freeways will soon be developed. Unless these transportation systems, along with new total housing programs, are professionally developed, Minneapolis-St. Paul will become just so much additional confusion and blight. While this problem endangers the welfare of every Minnesotan, the responsibility for solving the problem is primarily the task laid before the local architect-planner.



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(Continued from page 245)

have done much to teach us stereotyped roles. Also, the circumstances of the convention promote a natural distrust (they stay in hotels, we sleep on the floor—"They're only students, we're AIA delegates"). I think programs that really want to inform and move people must take place at the local level (MSA) in a setting that relates to the issue (Environment . . . Mississippi River by Fort Snelling, listening to the jets and smelling the sewage) and where the participants can demonstrate their united spirit (work clothes, spend the night there).

It's fittingly ironic (at least it's historically consistent) that Bucky Fuller excelled in the three things most lacking at the convention. Total environmental awareness is the framework of Fuller's life. Regardless of opinion or existing theory he has sought and fought for his individualistic beliefs. And he has succeeded in many of his investigations because he has learned to keep unnecessary anger from robbing him of an objective mind.

We learn through change and Bucky would add, "if we let ourselves." One of our delegates who left his worksheet with me said, "I was angry because we would not listen." Anger over anger is a good start. In retrospect Wednesday's events were an important learning experience for all of us. It's too bad we couldn't find out why that guy screamed.

Gar Hargens is a junior in the School of Architecture of the University of Minnesota and also a teaching assistant in environmental design. He is presently with the Close Associates, Architects, in Minneapolis and was a Regional Workshop leader at the 1970 AIA convention.



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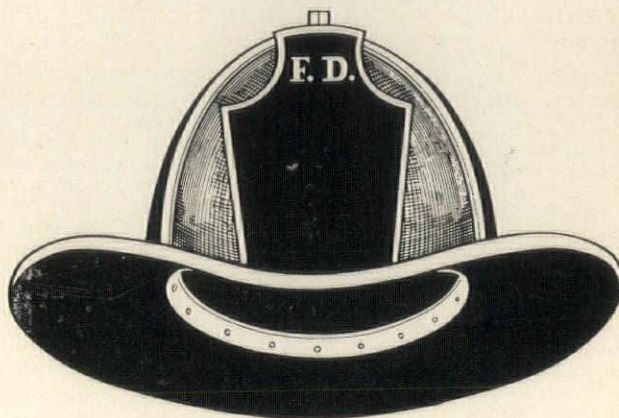
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Area Notes

(Continued from page 236)

WISCONSIN

Universities of Wisconsin: Algoma Boulevard, which passes through the U of W-Oshkosh campus, is causing some town-and-gown problems. U of W-Stevens Point is expanding into its new Medford branch campus, the former Taylor County teachers' college. Architects **Kratt-lachecki** of LaCrosse have prepared a five-phase expansion plan, with a science building. U of W-Sheboygan County has completed a \$1.6 million, four-building expansion designed by **Lawrence E. Bray & Associates, Inc.**

An expanded nursing program at North Central Technical Institute, Wausau, will be housed in an addition being designed by **Donald M. Schoepke and Associates.**

LaCrosse Masons have scheduled the start of construction of their new Temple, designed by **Carl Schubert & Associates,** for October 17.

Medical facilities: Construction is underway on the new Northern Pines Guidance Clinic in Cumberland. It was designed by **E. G. Lehmann Associates** of Spooner. Contracts have been awarded for the near-\$1 million, 106-bed Community Memorial Hospital in Oconto Falls, designed by **Durrant, Deininger, Dommer, Kramer and Gordon.** Watertown's new \$6 million health care center includes a \$4 million, 105-bed hospital by **S. C. Smiley and Associates,** Minneapolis, a medical-dental building and a 130-bed nursing home.

The Superior-Douglas County YMCA has engaged **Dobberman & Helske,** Superior

architects, and hopes to begin construction of its new building this fall.

Omo has a handsome new swimming pool and bathhouse, thanks to the bequest of late local banker Arthur J. Marble. It was designed by **Krueger & Shutter Associates** of Madison. Reedsburg's interesting municipal services complex, by **Wilson-Haney and Associates** of Kenosha, has caused some local pain by exceeding the original budget by about 40%. The Barstow Street project for improving downtown Eau Claire, designed by **Larson, Playter and Smith,** has the unanimous approval of the Plan Commission.

Schools: Wisconsin's Secretary of Revenue has reacted negatively to Waukesha's attempt to bypass the sales tax by arranging for contractors to buy their materials through the tax-exempt school board: "It may be of value to you to know that the Department will not relieve contractors from the sales tax liability when they enter into such arrangements as you have outlined." Tomah has discussed an impending elementary building program with **Krueger, Shutter & Assoc.** of Madison. East Troy is pondering a proposed \$885,000 addition to the high school, designed by **Charles D. Smitt and Son, Inc.,** Fond du Lac. **Sauter/Seaborne Architects,** Appleton, have designed an educational service center building for Waupun. Arbitration has awarded the claimed fee of \$31,212 to the **Warren Holmes Co.** of Lansing, Mich., for preliminary studies for a proposed addition to P. J. Jacobs high school in Stevens Point. The proposal had been dropped in favor of building a new high school and converting Jacobs to a junior high. The million-dollar addition to Crivitz school, by **Lawrence E. Gray and Associates** of Sheboygan, was dedicated May 17. The West

FIRST STATE ZOO

On May 22, the Minnesota Zoological Board chose a Lebanon Hills site in Dakota County, south of the Twin Cities, as the location of the first state zoo in the nation. In choosing the 480-acre Lebanon Hills site, the board went along with a series of recommendations from **Inter-Design Inc.,** its planning and design consultants, from its professional zoo staff and the U. S. Department of Agriculture.

For the purpose of evaluating four proposed sites, Inter-Design developed a special technique which involved the use of a computer. Twenty-nine criteria were established upon which the sites were analyzed. Several teams of professionals, including at least two planners, two engineers, one civil engineer, a geologist, two architects, a landscape architect and a programming architect, carefully inspected each site and analyzed all data available for each of the sites.

In making its recommendation to the Board, InterDesign noted that all four sites were excellent sites and each would provide an acceptable site for the development of the proposed zoo. However, the Lebanon Hills site was recommended because of its accessibility to the metropolitan area and because of its desirable site characteristics.

Bend school board has employed an architect, **Charles Dewane,** to be its supervisor of buildings and grounds. A bond issue was passed for the \$1.5 million middle school at Dousman, in the Kettle Moraine School district, designed by **Ned E. Fischer,** Appleton architects **Sauter, Sea-**

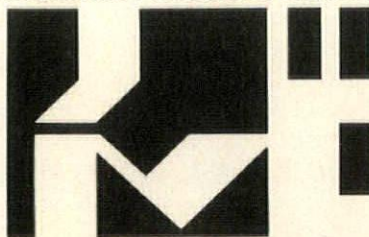
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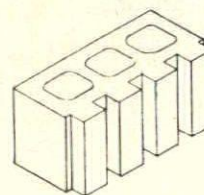
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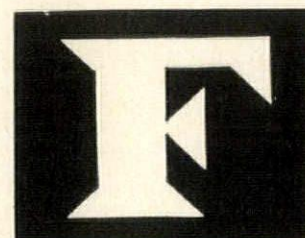
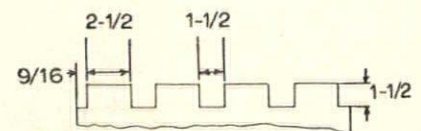
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borne, Paynter & Duszak, Ltd. have designed the new \$6.8 million high school for Oshkosh's north side. The defeat in a referendum of Tomahawk's proposed grade school complex, designed by **Hofman and Associates** of West DePere, raises knotty problems of improving the Washington building and the lease-purchase of portable classrooms to replace the irreparable Whittier school.

Churches: The Barron branch of the Church of Jesus Christ of Latter-Day Saints, organized in 1961, is building the first phase of an expandable chapel designed by **Cooper and Associates** of Rice Lake. Immanuel Lutheran Church of Campbellsport is building a \$100,000 church and educational building designed by **Brust and Brust** of Fond du Lac. A permanent convention center, one of 24 to be built throughout the USA, is to be built by the Church of God in Wisconsin Dells. The architect is **George Evans** and it will be built by the church, acting as its own contractor. Boscobel United Methodist Church is adding a fellowship hall and kitchen designed by **Joseph Durrant**.

Public housing projects: Two housing projects for the elderly are proposed for the east and west sides of Sturgeon Bay, designed by **Nichols, Barone, and Associates** of Green Bay. Being privately developed under FHA, the projects will pay full property taxes. The Wisconsin Rapids Housing Authority is sponsoring a 68-unit project for the elderly designed by **Trosen, Wright & Prokrasky Architects** of St. Paul. A similarly sponsored 40-unit project for Prairie du Chien is being designed by **Hackner, Schroder, Roslansky and Associates** of La Crosse.

Miscellaneous public projects: Plans for the proposed Door County Maritime Museum at Gills Rock have been drawn by Sister Bay architect **George Mangan**. It is in a Nordic style. Cumberland's new county jail and sheriff's residence, by **Wayne E. Spangler**, Rice Lake architect, will cost a bit over \$200,000. Milwaukee county officials professed to be "stunned" by architect **Eugene Jurenc**'s proposal that the present passenger terminal at Mitchell Field be demolished and replaced in ten or fifteen years. \$65,000 worth of improvements to the building are presently scheduled. Racine was to have selected an architect in May for its proposed Project Breakthrough neighborhood-community center to cost about \$285,000. A "consultative contract" to study La Crosse's institutional building needs was to be awarded in June to one of the "two larger architectural firms" there: **Schubert and Associates** and **Hackner, Schroeder, Roslansky and Associates**.

A little private capital is being invested too: The Overland Bolling Co., a tool and die maker, is developing an industrial park in Nasewaupee on the outskirts of Sturgeon Bay. Besides its own plant, the 47-acre tract will be open to other leases. Tentative development plans have been made by **Daverman Associates** of Milwaukee. A large townhouse condominium project at Mt. Telemark near Cable is being developed by Inland Steel Development Corporation, with sales and management by the Telemark Land Company. **Fritz Associates** of Middleton are the architects. A second 60,000 square-foot ShopKo store is to be built near Highway 47 in Appleton. Project architect is **Harry Williams** of Green Bay.

IOWA

Inexplicably, Iowa, which is usually prolific of news, has not a clipping in the bi-monthly bag.

THE DAKOTAS

Wm. L. Beuttler and Associates of Sioux City, Iowa (ah, Iowa!), has designed the eight-classroom addition to the E. O. Lawrence school of Canton, S.D., and Canton is to select an architect to design an addition to the present fire hall.

The half-million dollar Lions Sight and Service Foundation in Sioux Falls was dedicated on May 3. **Fritzel, Kroeger, Griffin and Berg** were the architects.

The \$5 million Rapid City Stevens High School, designed by **Aukerman and Mazourek** of Rapid City, with the **Perkins and Will Partnership** of Chicago as consultants, was also dedicated on May 3. It adjoins the Black Hills Area Vocational-Technical School, built in 1968, and shares with that the power plant and cafeteria facilities.

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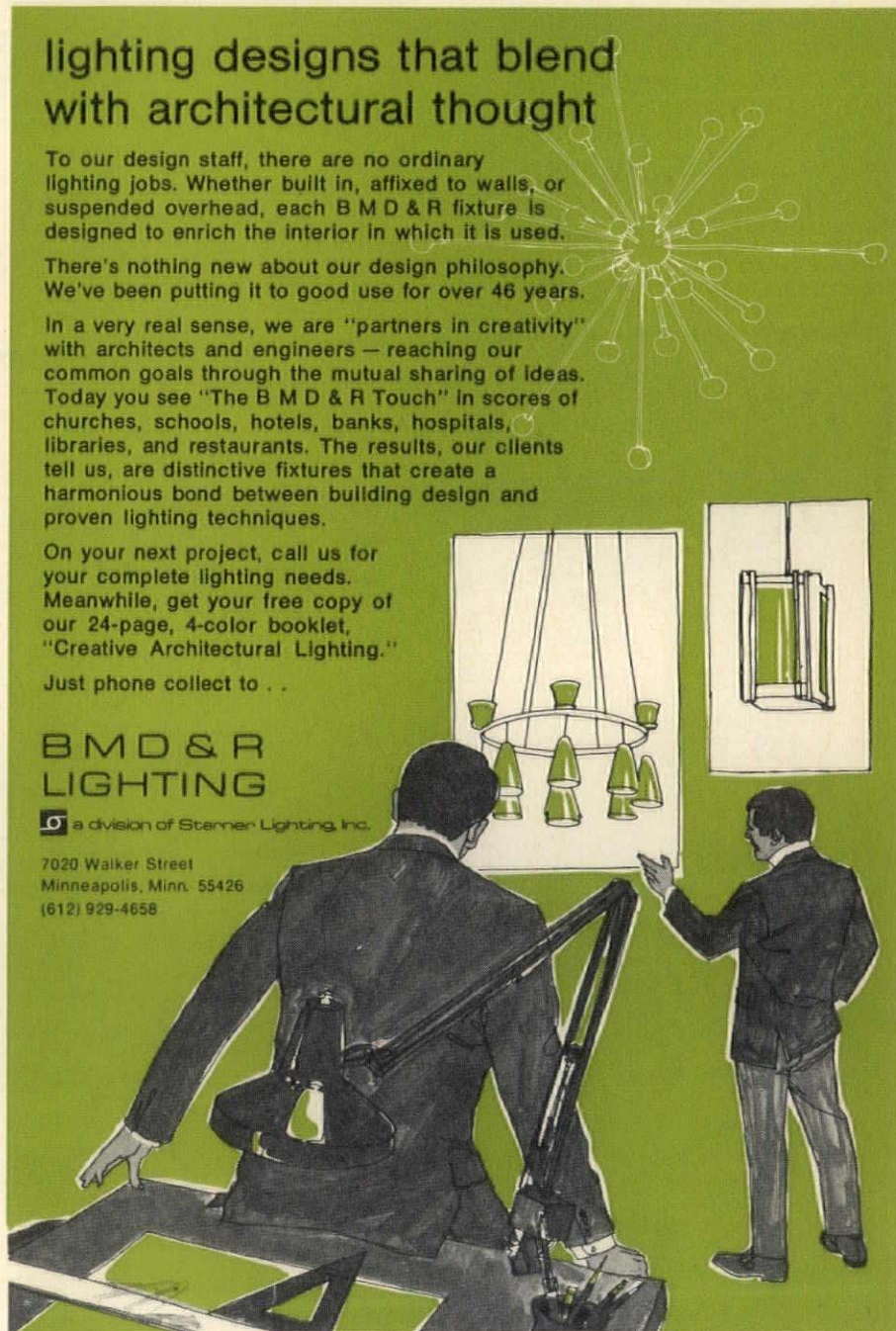
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MONK AND OTTUM MADE KINDEM VICE-PRESIDENTS

James M. Monk and Lloyd W. Ottum have been elected vice-presidents of Andrew A. Kindem & Sons, according to Arne C. Kindem, president of the millwork firm.

Mr. Monk started at Kindem's in 1959 as a salesman in western Wisconsin. In 1961 he was transferred to the customer service department of the Minneapolis office and in 1965 was appointed purchasing agent. A native of Chippewa Falls, Wis., he studied architectural drawing at Dunwoody Institute after graduating from high school.

Mr. Ottum started with the mill-



Mr. Monk

work firm 20 years ago and progressed from office manager through purchasing and production to sales representative, first in

St. Paul and then in Hennepin County. A native of Pierpont, S. D., he attended high school there and after graduation studied at Dunwoody Industrial Institute and Business College in Minneapolis.

BALCERZAK OF WELLS CONCRETE DIES

Frank Balcerzak, Wells Concrete Products Company's chairman of the board and active in construction and civic work for many years, died recently in Mankato at the age of 58 as the result of a heart attack.

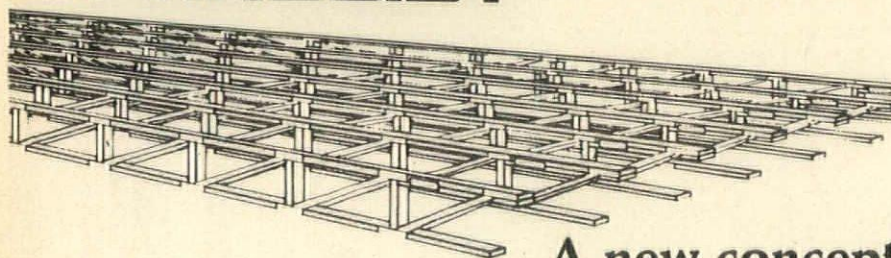
Mr. Balcerzak was well known in the industry. In addition to Wells Concrete, he was president of Guaranteed Gravel and Sand Co. and vice-president of Central Concrete, Inc., both of Mankato. His civic work was particularly in the field of education and he had been a delegate to President Eisenhower's White House Conference on Education as well as serving many local groups.

A graduate of South Milwaukee High School, Mr. Balcerzak took his bachelor's degree at Marquette University and immediately after that taught business administration in the University of Warsaw. He served and was decorated for bravery in World War II.

HUD AWARDS REHAB CODE CONTRACT

The Department of Housing and Urban Development has awarded a contract to the Building Officials Conference of America, as contractor in a joint venture with the three other nationally recognized model code promulgating and publishing organizations, to develop and promulgate a body of code provisions and/or regulations that will either by itself or as incorporated in model codes be an ef-

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fective instrument in carrying out residential rehabilitation.

Although BOCA is the contractor, the contract requires the cooperation of the International Conference of Building Officials, the Southern Building Code Congress and the American Insurance Association.

The four organizations also cooperated in drafting a uniform one- and two-family dwelling code, which is expected to be published this year. The rehab code project is expected to take one year from the date of the contract, April 13.

Detailed information can be obtained from BOCA, 1313 E. 60th St., Chicago, Ill. 60637.

HAWS ANNOUNCES POLISHED STONE FOUNTAIN

Haws Drinking Faucet Company has announced a new wall-mounted, polished stone drinking fountain, equipped with a polished stainless steel receptor and a combination pushbutton valve and bubbler.

The fountain (Model 1051) is 42¼" long by 16½" wide and 10¼" deep for the apron. A mounting ledge is provided to permit the unit to be installed within a prepared opening so its polished area will be aligned flush with the wall.

Model 1051 is available in all standard stone colors and is supplied with Haws vandal-proof features. Details can be had from Haws Drinking Faucet Company, Fourth and Page St., Berkeley, Cal. 94710.

PETERSON ELECTED SECRETARY OF BX GROUP

Enoch N. Peterson, secretary and general manager of the Minneapolis Builders Exchange and secretary of the Regional Congress of Construction Employers—Upper Midwest Group, was elected secretary of the International Builders' Exchange Executives at the annual convention of the organization in New Orleans. He has served as a member of the board of directors of the IBEE for two years.

JULY-AUGUST, 1970

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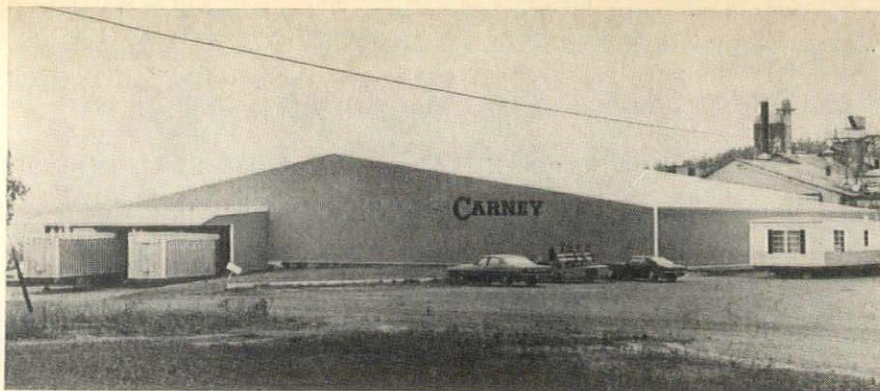
CARNEY PRODUCTION RESUMES IN REBUILT PLANT

Following earlier test runs to prove out the plant and its equipment, production was put on regular schedules in the Carney & Associates plant in Mankato which was rebuilt following a disastrous fire earlier this year, according to H. E. Carney, Jr., president of the company.

T. P. Walters, executive vice-president, stated that production facilities were in better shape than in many years because all equipment was either repaired or re-

placed and a new cupola was also installed.

Mr. Carney announced that a general organizational and re-



orientation meeting of key personnel had been held to acquaint the staff with the new procedures.

"I was most gratified with the help and kindness of so many of the area people shown the personnel and company after our fire," Mr. Carney said. "It was through their efforts that Carney & Associates were able to be back in production only 60 days after the disastrous fire."

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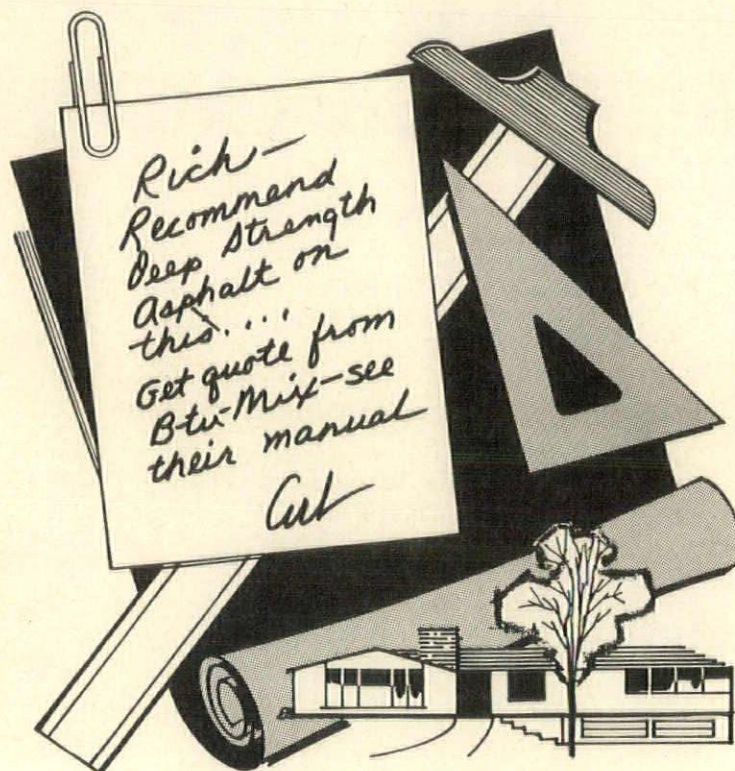
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NEW PCA DIVISION TO HANDLE CONTRACT RESEARCH WORK

The Portland Cement Association's research and development capabilities will be available on a contract basis to all segments of the construction industry under a plan announced recently by Dr. Harry N. Huntzicker, PCA president. Dr. Huntzicker said that a new division, the Cement and Concrete Research Institute, will serve as the contracting agency for Association work in behalf of clients requiring services in research and development, laboratory investigations and technical consultation.

"The Institute will develop and license patentable inventions related to the concrete industry and we will seek patentable ideas from our own people and from outside corporations and individual inventors," he added. "Our goal will be to stimulate development of new and improved materials and methods that will benefit the industry and to help introduce them to the marketplace."

The association's research and development complex, located on a 37-acre site in Skokie, Ill., includes some of the largest and most sophisticated physical and chemical experimental facilities in the world.

Current research programs at the PCA center involve work with new and improved concrete construction methods and equipment, computer design of structures, pavement research, aggregate beneficiation and manufacture, and the development of special cements such as the PCA's new regulated-set and shrinkage-compensating cements.

AIR CURTAIN INFO AVAILABLE

Effective applications of one of the newer developments in entranceway architecture — the air curtain — are described and illustrated in a new brochure which shows how the Stanley Air Curtain provides a controlled, downward flow of conditioned air across an entranceway in place of regular doors to make passage easier, eliminate door maintenance costs

and effectively keep out drafts, dirt and insects."

The Stanley system includes the exclusive "Weather-Sight" system that automatically changes the direction and velocity of air flow to compensate for changing velocity of outside winds at the entrance.

Brochure M-83 can be had from Dept. PID, The Stanley Works, New Britain, Conn. 06050.

SO . . .

In 1969 the mobile home industry introduced 14-foot-wide

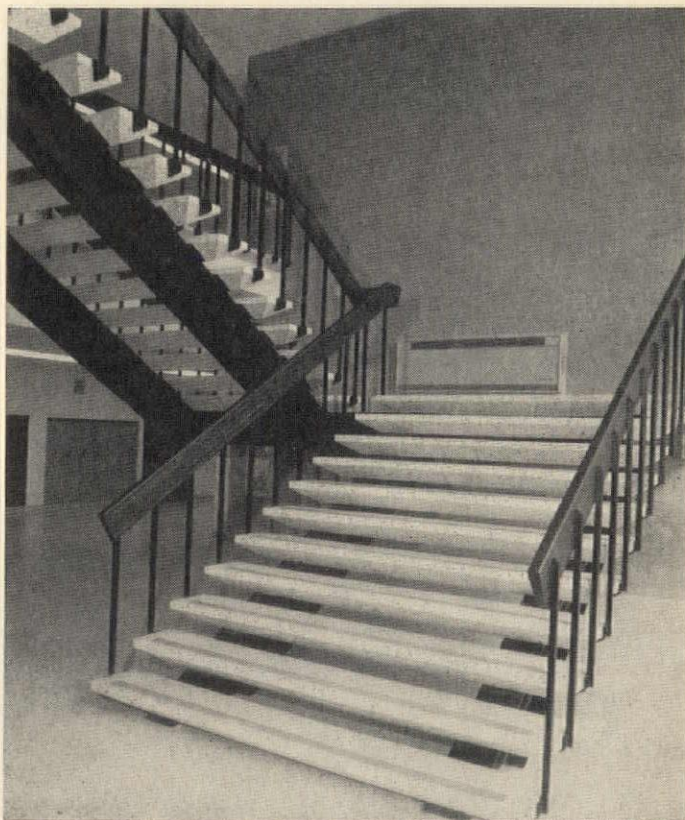
homes and already in 1970 one manufacturer has gone to 16-foot-wide mobile homes, an industry report said recently, continuing—"traditionally the industry has shown its greatest growth with the introduction of wider models, giving the consumer increased living space at less cost."

Another report said "mobile home shipments for 1969 totaled 412,690, up 29.5 percent over 1968 . . . Retail value was \$2.5 billion."

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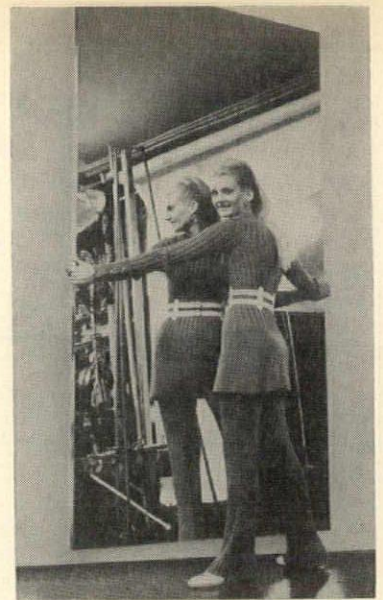
UNBREAKABLE GLASSLESS MIRRORS AVAILABLE to 24 FEET

Mirrors made of a thin polyester film mounted over a flat metal frame which can be produced in custom sizes and shapes ranging from three inches in diameter to as large as 24 feet long have been marketed by Kamar Products, Inc.

Originally developed for use as powder room mirrors on commercial aircraft, Mirrorlite mirrors are used for such purposes as commercial displays and exhibitions,

retail showrooms and shop windows, in children's bedrooms, in hospitals and nursing homes, for women's compacts, dental mirrors, television studios, surveillance mirrors and for decorative use, the company report said.

"Mirrorlite mirrors provide a high quality reflective surface comparable to front surface plate glass mirrors, but weigh as little as six ounces per square foot. The surface of the mirror is so resilient and light in weight, the mirrors are practically indestruc-



tible. Hit the mirror with a hammer and only a superficial nick appears on the surface. If a mirror does require a new reflecting surface, this can be supplied at a fraction of the cost of a new mirror."

Additional information is available from Kamar Products Inc., 2 So. Buckhout St., Irvington-on-Hudson, N. Y. 10533.

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NEW SPEC BOOK ON TERRAZZO

The 1970 edition of the Terrazzo Technical Data Book is now available at no cost to architects, interior designers and specifiers from the National Terrazzo & Mosaic Association.

The 98-page book contains official NTMA specifications for 18 different kinds of terrazzo, including the new thin-set resins, textured mosaic for vertical surfaces, precast base and stair treads and

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"rustic terrazzo" for exteriors.

This newest edition of the data book also contains architectural drawings of the various kinds of terrazzo plus special chapters on mosaic murals, monolithic terrazzo and divider strip recommendations.

Considered a standard reference book for architects, spec writers and contractors, the book is available by letterhead request to National Terrazzo & Mosaic Association, 716 Church St., Alexandria, Va. 22314.

FOUR BROCHURES ISSUED BY METAL MANUFACTURERS

The National Association of Architectural Metal Manufacturers has announced the release of its four latest publications—"Field Check for Water Leakage of Metal Curtain Walls NAAMM Standard FC-1-69," "Specifications for Dense Rubber-Like Compression Gasket Material—NAAMM Standard SG-1-70," "Specifications for Fibrous Glass Insulation NAAMM Standards S1-1a-70 and S1-1b-70" and "Fire-Rated Custom Metal Doors & Frames."

"Fire door assemblies play a vital role in the fire protective integrity of any building, and it is critically important that they be properly specified," NAAMM reported. "Unfortunately, however, too often they are not, chiefly because fire-rating procedures and regulations, being rather complex, are not easily interpreted and well understood. It is in the hope of clarifying the essential aspects of these regulations and their design implication that the

fire rating brochure has been produced."

Information on how to receive copies of these brochures can be had from NAAMM at 228 No. LaSalle St., Chicago, Ill. 60601.

People's Park

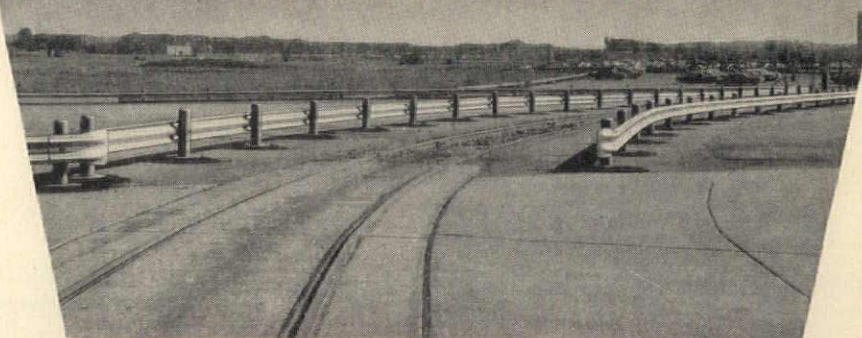
(Continued from page 250)

and ends of furnishings and obtaining flowers and plants from here and there, the site was put into some semblance of order, paths led here and there, decor

was enhanced and the park's population was pleased. So were many others who saw in this the spark of humor which can sometimes soften these situations.

A court decision approved the owner's right to avail himself of the site he has acquired and may still use for his original building. All in all this was and is a case in point about urban renewal, reconstruction, preservation or what you will where many facets of community opinion found expression.

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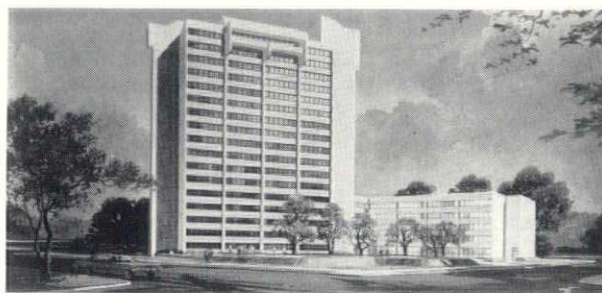
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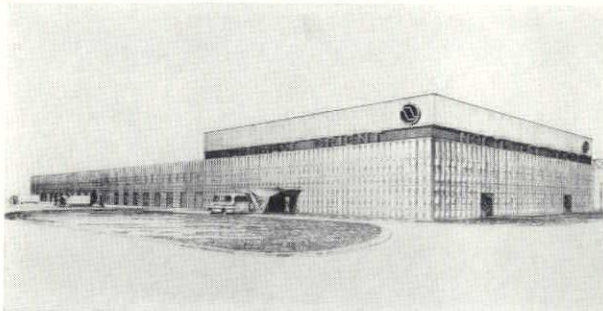
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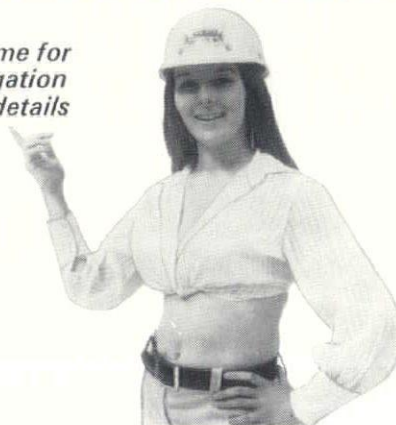


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