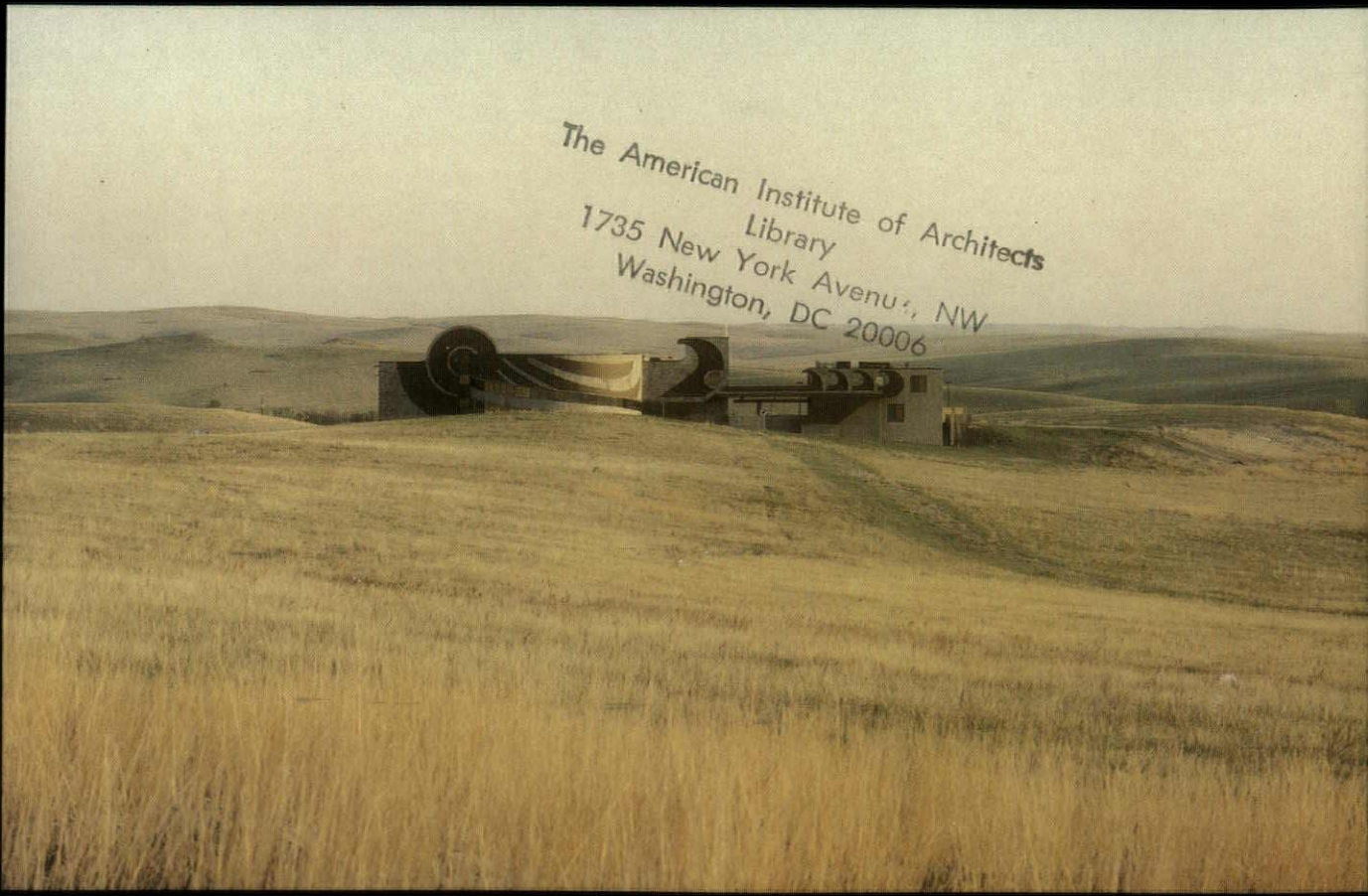


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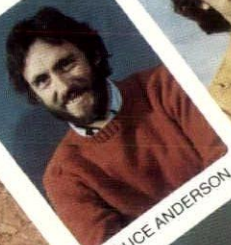
1980 Design Award Winners



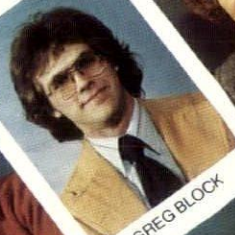
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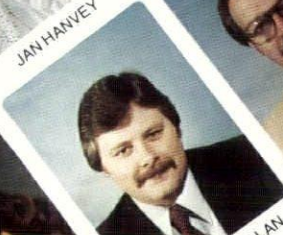
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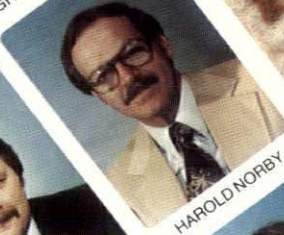
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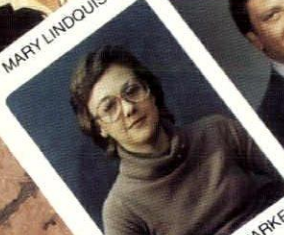
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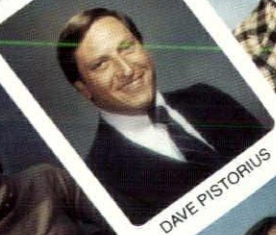
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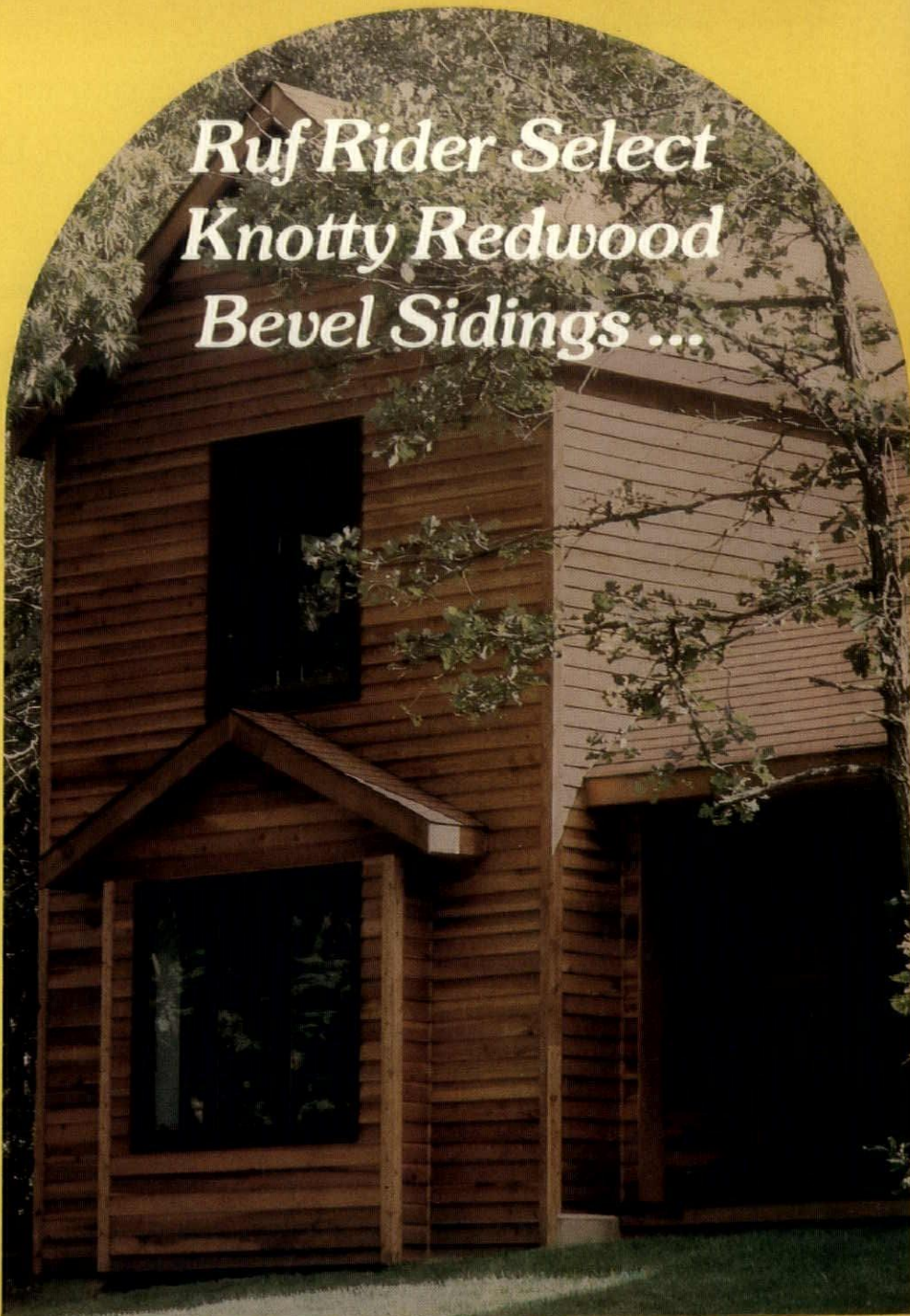
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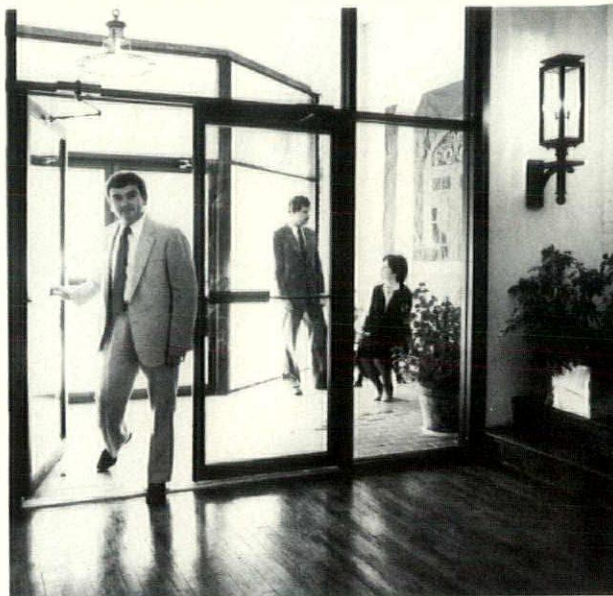
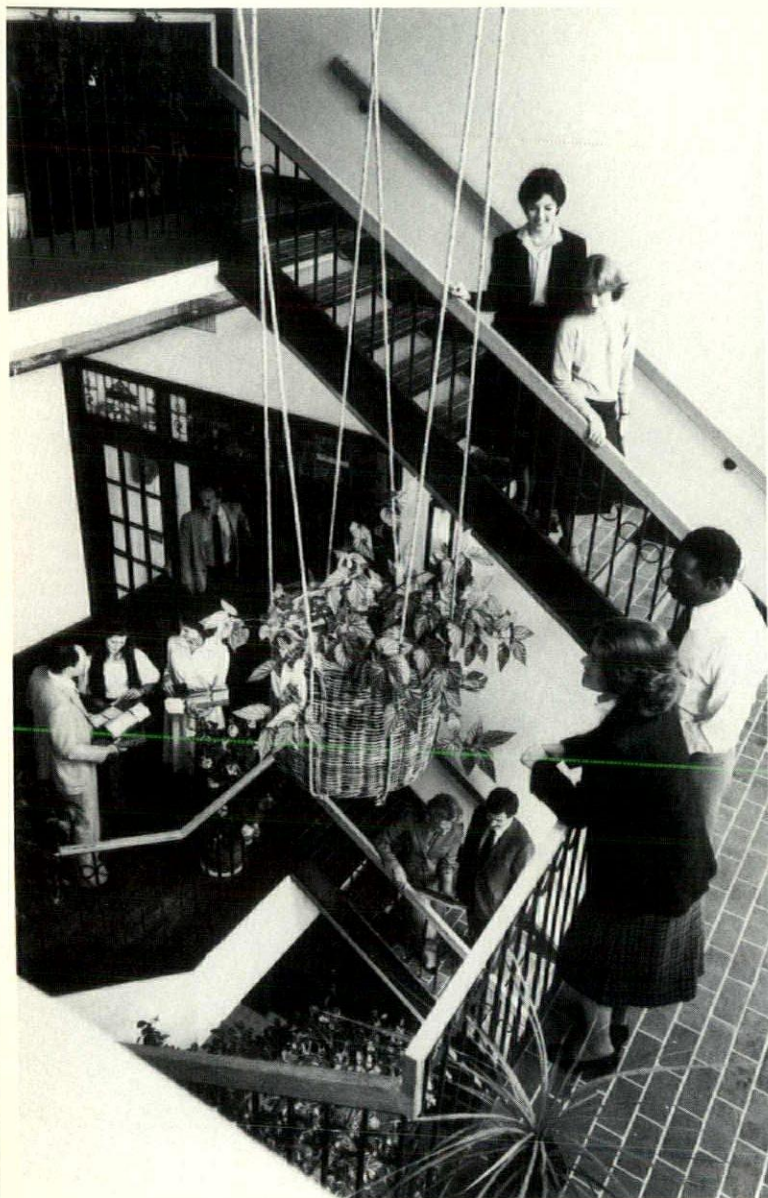


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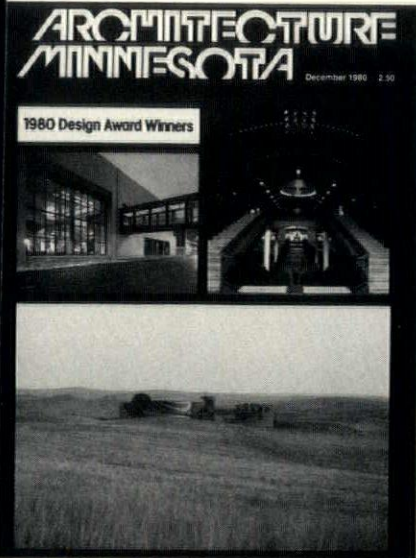
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Vol 6 No. 6
December 1980

A Regional Review of Design and Architecture



Cover: Three winners of this year's MSAIA Honor Awards. Upper Left: The Science Museum of Minnesota, St. Paul, by Hammel Green & Abrahamson (photo: Phillip MacMillian James); Upper Right: Midshipmen's Sports & Recreation Center, Bethesda, Maryland, by Ellerbe Associates (photo: Shin Koyama); Bottom: Piya Wiconi, Oglala Sioux Tribe, Pine Ridge Reservation, South Dakota, by THE Hodne/Stageberg PARTNERS, Inc (photo: Norman McGrath). For the rest of the award winners turn to page 25.

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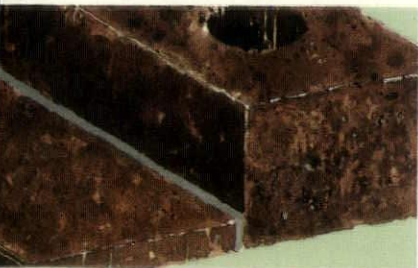
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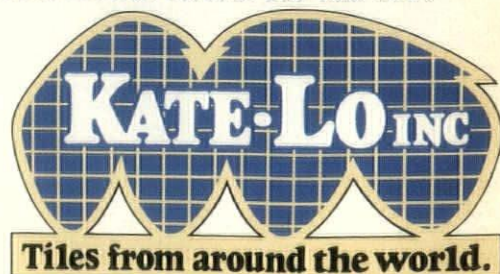
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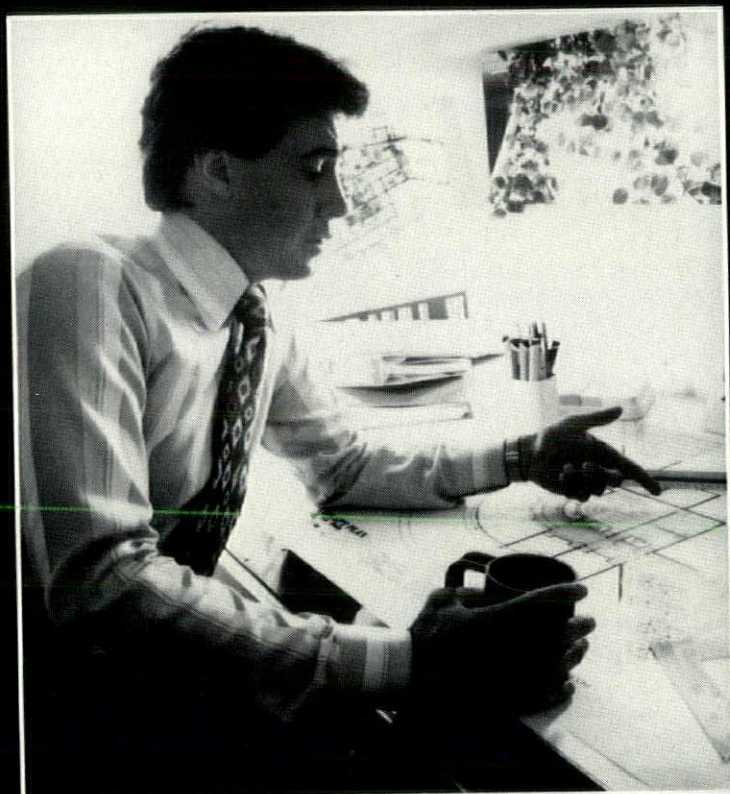
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In Ending, There Is A New Beginning

Architecture Minnesota, as the masthead indicates, is the official publication of the Minnesota Society American Institute of Architects [MSAIA]. In this context, it is given policy direction by a committee, the Architecture Minnesota Committee, which reports to the Board of Directors of the MSAIA. The committee, as is the case in most professional organizations, consists of volunteer members and its composition varies from year to year.

As a new member of the MSAIA, I asked in the mid-'60s to be assigned to the Publications Committee which then monitored the publication of *Northwest Architect*. *Northwest Architect* was owned by both Bruce Publishing and the MSAIA. The magazine was then a trade publication intended solely for internal distribution. While the committee discussed details of publication, the actual production was done by Fred Miller of Bruce Publishing. After I became Chairman of the committee, Fred and I worked closely together. In those days, he was the magazine's archangel. I learned a great deal from him, from picas and paste-ups to signatures and silverprints. When the ownership of Bruce Publishing changed hands, Fred went with the new owners and I was formally appointed editor. This post, then, became my principal avocation in addition to my full-time architectural responsibilities.

A divergence of goals eventually led the MSAIA, in 1975, to assume full ownership of the magazine, renaming it *Architecture Minnesota*. Dorn Communications became the publishers responsible for production and distribution, while the MSAIA, through the *Architecture Minnesota* Committee, remained responsible for the editorial material. In 1979, the MSAIA undertook publication of the magazine in-house and, for the first time, the magazine was assigned full time personnel in the Society's offices. Lisa Henricksen became Assistant Editor, Pamela Obando, Marketing Director, with James Cramer, Executive Director of MSAIA, as Publisher.

The growth and evolution of *Architecture Minnesota* coincided with an increased public interest in architecture and the built environment. The interest was furthered by the energy crisis and the emerging national prominence of Minnesota's architectural community.

Architecture Minnesota has now grown in readership and responsibility to the point where I believe it needs the stewardship of a full-time professional editor. It is in this spirit and also because of added professional commitments that I am resigning as editor.

New thinking in architectural design is beginning to articulate the possibilities of a regional architecture. This, as well as our continuing concern for the built environment, the conservation of natural and cultural resources, and housing, need to be reported more fully and regularly.

The new editor will vigorously and creatively pursue these and related matters. Thus it is not with regret that I relinquish this responsibility, but rather with anticipation that *Architecture Minnesota* will continue its growth and strengthen its position as the pre-eminent regional architectural publication in the country.

Over the years, the *Architecture Minnesota* Committee has attracted many of the most talented architects in the Society. I have enjoyed working with them and I am particularly indebted to the current Chairman, Edward A. Sovik, who for many years has given wise and patient guidance to the Committee.

—Bernard Jacob

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Cass Gilbert's Design for the State Capitol

An exhibit of the work of architect **Cass Gilbert**, designer of the State Capitol, began a two year tour of the state in September at the University of Minnesota. **Cass Gilbert: Minnesota Master Architect** is a showing of more than 100 drawings, photographs and models assembled by Patricia Murphy for the University Gallery. Included in the exhibit are the many shingle style houses, churches, and commercial buildings Gilbert designed over a period of 27 years in Minnesota before he moved to New York. In New York, Gilbert designed the Woolworth Building, the U.S. Customs House, the initial design for the George Washington Bridge and the U.S. Supreme Court Building in Washington, D.C. The partial tour schedule is as follows: November 25-January 13, Anoka Ramsey Community College; January 13-February 17, (location undetermined); February 17-March 24, Monticello Public Schools; March 24-April 21, Hibbing Community College; April 21-May 26, Architecture Building (AIA Convention, Mpls. May 17-21.) Call the University Gallery for further information.

Two Scholarships have been announced for the **1981 Rotch Travelling Scholarship Competition**. Applicants for the basic Scholarship (stipend \$12,000 for 8 months of foreign travel with an additional payment of \$1,000 upon return) and second Scholarship (stipend \$6,500 for four months of foreign travel, with an additional payment of \$500 upon return.) For in-

formation about applicant qualifications and an application form, send requests to this address: Norman C. Fletcher, Secretary/Rotch Travelling Scholarship/46 Brattle Street/Cambridge. Requests must be made in writing no later than Monday, January 12, 1981.

The new **Women's Correctional Facility** for the State of Minnesota has been awarded to **BWBR Architects**, St. Paul, Minnesota, in association with Hellmuth, Obata & Kassabaum, Inc., St. Louis, Missouri. The structure will replace the existing Minnesota Women's Correctional Facility in Shakopee, Minnesota, and will house 90-110 women. In addition to living units, the building will provide space for recreational, educational and industrial programs as well as administrative offices. A report will go to the Legislature in February, 1981, and construction will begin pending approval and appropriation of funds.

Richard W. Anderson, Inc. (ADI) has begun construction on a \$4.7 million office building adjoining **Crosstown Lake** in Eden Prairie. **Crosstown Lake Office Building II**, the most recent addition to ADI's **City West Office Park**, will be situated on a 5-1/2 acre, wooded tract. Knutson Construction began site development for ADI on October 20, 1980 and the building, designed by **Roberts Architects**, is expected to be completed by April 1, 1981. The 78,000 square foot building will be constructed of structural concrete similar to that being used in the new Met-



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ropolitan domed stadium. The three-story office facility will include a stucco and glass exterior, a two-story glass enclosed atrium, a garden court and underground parking facilities for up to 90 cars. Interiors were planned by DVR & W Inc.

Architectural Alliance, Minneapolis, has been commissioned by **Kroy Industries, Inc.** to provide architectural services for their new corporate facilities in Oakdale, Minnesota. Initially, the project will consist of an approximately 80,000–100,000 square foot office building. An April, 1981 groundbreaking is anticipated, with project completion scheduled for early 1982. **Architectural Alliance** also announced the formation of **Architectural Alliance West** in Los Angeles, California. Coordinating activities at the new office will be Chris Johnson, a former employee of Architectural Alliance in Minneapolis who is now an Assistant Professor at the UCLA School of Architecture. The firm will pursue major architectural, interiors, landscape, and energy design related commissions in the Western United States.

Dickey/Kodet/Architects, Minneapolis, is the designer of **Fire Station Number Six** at Stevens Avenue and 16th Street near the Minneapolis Auditorium. The project, which covers 18,000 square feet, features a "super-insulated envelope" as well as intrinsic heat and passive solar energy. The Fire Station's estimated date of completion is January 1, 1981, and its approximate cost is \$1.6 million.

E. Richard Cone, a past president (1951–52) and Emeritus member of the MSAIA, died Saturday, October 4 in Arden Hills at the age of 74.

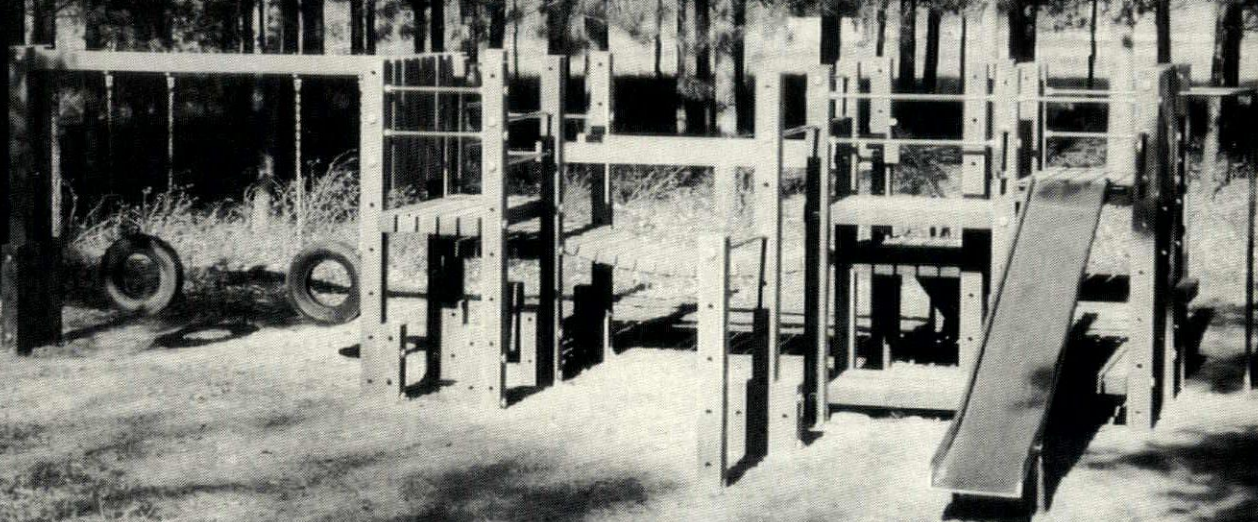
Cone practiced architecture in St. Paul for 40 years as a partner in the firm of Cone and Peterson. Born in Northfield, he attended Hamline University and graduated from the University of Minnesota in 1931. He received his master's degree in architecture from Harvard in 1933. Some of the buildings he designed include: St. Luke's Catholic School; St. James Church; Drew Residence Hall and Fieldhouse at Hamline; and St. Helena's Church in Minneapolis. Cone retired from the architectural profession nine years ago.

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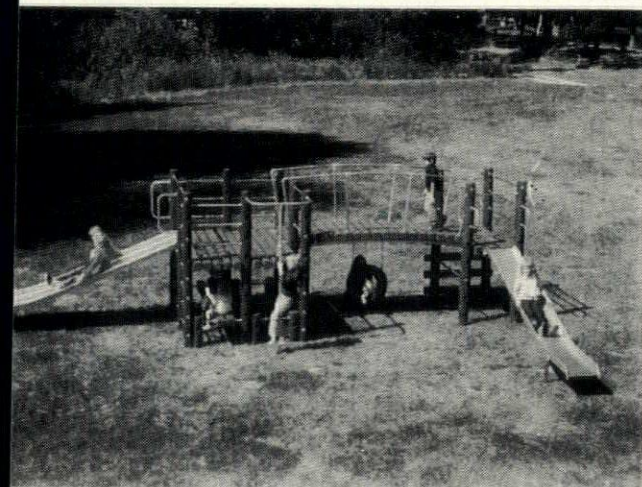
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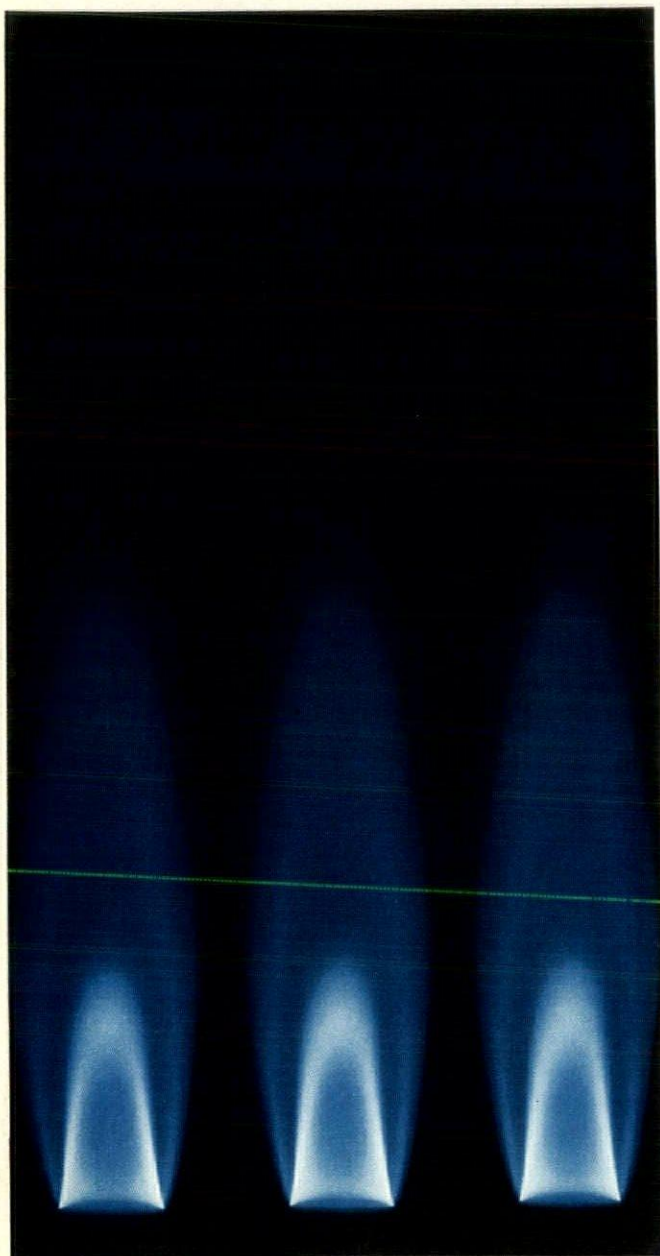
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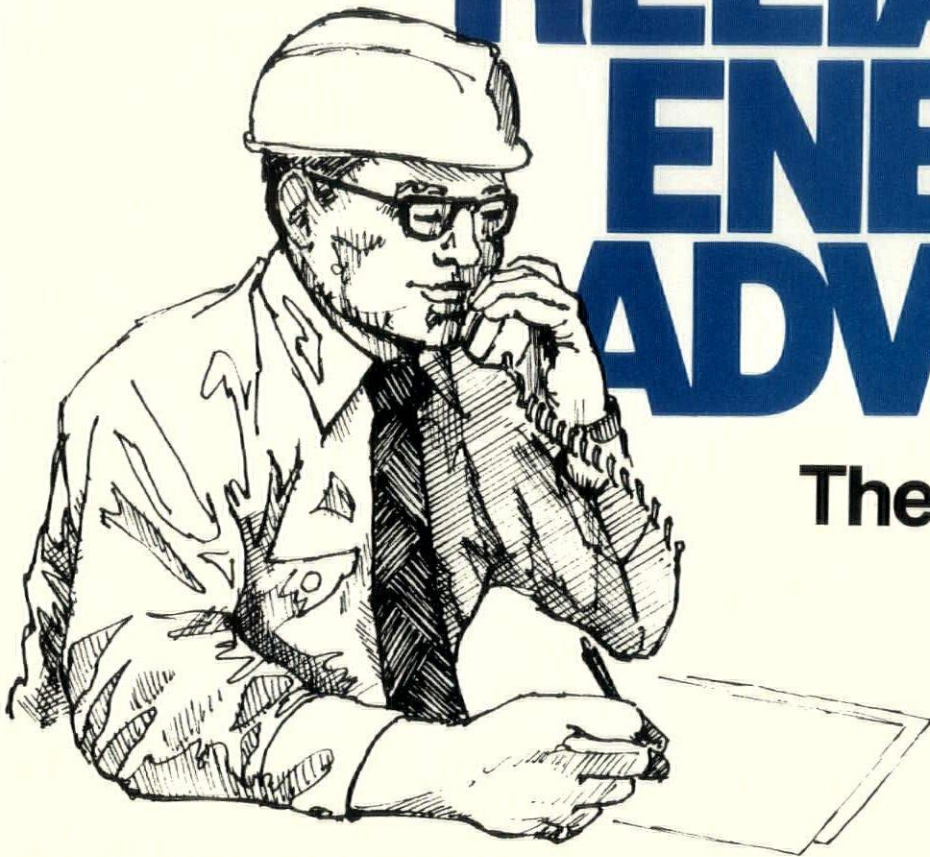
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**An Interview by James P. Cramer
with
Robert Hovelson,**

Senior Vice President of Oxford Development Corporation

Jim Cramer: When did Oxford become involved in the Twin Cities area?

Robert Hovelson: The first formal involvement was in the summer of 1977, when we purchased two blocks of downtown Minneapolis office properties, the Baker block and the Northstar Center, from IDS Properties.

Cramer: What is your current level of involvement in this area?

Hovelson: We have the Town Square project in the downtown St. Paul area. It includes a Donaldson's Department store (which is about 120,000 square feet), another 110,000 square feet or so of retail space, and two office towers comprising a total of about 450,000 square feet of rental space. That is now open. Also in downtown St. Paul, we own the property that formerly housed Donaldson's, along with the parking garage that serviced it. We own the block adjacent to Town Square next to Dayton's between Seventh and Ninth Streets. That property has been cleared and is being used as a parking lot. Right now we're looking at plans for that. In Minneapolis, we own the North Star and Baker blocks and we are developing the City Center project. The total land area of the City Center project is about 275,000 square feet. It is split in two by the Nicollet Mall.

Cramer: What are your plans for the near future?

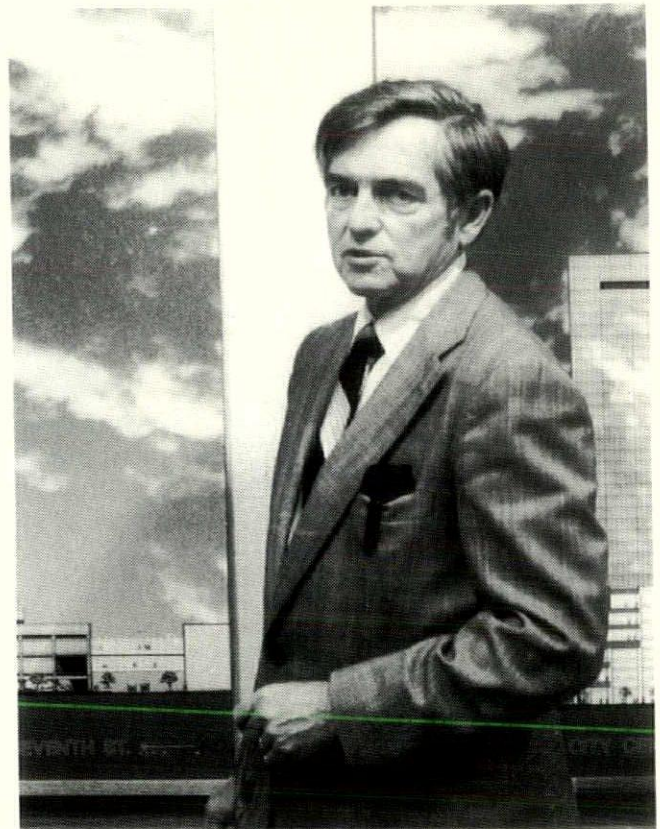
Hovelson: Well, Oxford is a development organization, so we will continue to seek opportunities in the Twin Cities and all over the United States. We like to do downtown urban redevelopments with mixed uses. We like the retail aspect of this.

Cramer: It would seem that most of your development projects are in central business districts.

Hovelson: Yes, almost without exception.

Cramer: Does Oxford's philosophy guide you to urban core areas?

Hovelson: It's not necessarily a philosophy, but we think that there is a definite need in the typical, mid-sized Amer-



Robert Hovelson

ican cities for redevelopment activity in their downtowns. Opportunities exist in almost all of these cities. It takes a particular boldness and willingness to take risks, and also a belief in the future and workability of cities. For example, the opportunity has existed in St. Paul for at least 20 years. It's just that nobody grabbed it vigorously before. The same thing is true in downtown Minneapolis. Bold ideas are needed, as is the belief that you can redevelop a strong and viable retail activity in the downtown community and complement it with other uses, such as offices and hotels, and make the whole thing work. I think many cities present this opportunity and we are prepared to take advantage of this.

Cramer: What is your view of the future of the city? Will it be strengthened?

Hovelson: Well, I'm not sure that I'm much of a prophet. But in downtown Minneapolis, for example, we are seeing a renaissance of the central city. The development activity there is a result of the completion of the IDS Center in 1973. The housing activity in the Loring/Nicollet area certainly is significant in the evolution of the city, and I think

it's very encouraging. I'm not sure that Minneapolis or other cities like it will ever accept housing throughout the core area and I'm not even sure that it's really necessary. But I do like to see the residential fiber returned to the downtown area because of what it does for the rest of the community.

Cramer: Will the Twin Cities be attractive to developers in the next ten years?

Hovelson: Well, I think so. There's lots of opportunity and strength here. We'll probably never reverse or totally eliminate the appeal of the suburbs. But I think that having a large number of available buildings in the central business district will provide opportunities for development and will keep both downtowns' areas strong.

Cramer: Do you have any serious plans for development in Duluth?

Hovelson: No, not at this time.

Cramer: Could you tell us about the size, scope and present stage of development of the City Center project in Minneapolis?

Hovelson: The project is developing in multiple phases. It consists of Block A-C which includes the Donaldson's department store (about 275,000 gross square feet); approximately 185,000 feet of retail shop space along Hennepin Avenue; a 1,100,000 square foot 50-story office tower; a parking garage for approximately 600 cars and a 600-room hotel which will be owned and constructed by the Amfac Hotels and Resorts of San Francisco.

Cramer: There has been much discussion about the hotel's influence on the city.

Hovelson: Yes, I believe they plan to refer to it as Amfac Minneapolis. This company has other hotels on the West Coast, Nevada, New Mexico and Texas. We expect to have a fantastic hotel as part of this project.

Cramer: When the Donaldson's property has been completed, what will happen to the old building?

Hovelson: We will raze it. That site will be redeveloped starting in 1983. There will be retail space in the lower portion and a large office tower, probably in the range of 800,000 to 1,000,000 square feet, which will be occupied chiefly by Northwestern National Bank.

Cramer: Has an architectural firm been selected for that project yet?

Hovelson: The contract isn't signed, but we expect to use Skidmore Owings and Merrill of Chicago with Bruce Graham in charge.

Cramer: Have there been frustrations with the City Center project?

Hovelson: We are off schedule by about a year. Due largely to our naivete, we assumed that we could acquire the land faster than we actually did. The delay was caused by property owners who were objecting to the condemnation proceedings by the City of Minneapolis. There was a legal squirmish involving Scottie's restaurant that lasted about a year. The argument centered around the historic landmark status of the building. By the time that was settled we had used up the better part of a year.

Cramer: The decision to tear down the Radisson Trade Mart must have been very difficult. Why was that decision made?

Hovelson: For a number of complicated reasons. Originally, we had no intent to acquire the Trade Mart. But when the original tenant, the Northwest Salesmen's Association, decided that they would be better served in the Hyatt-Regency complex, the Trade Mart became available to us. As far as tearing it down, it was really only suitable for its original purpose, which no longer exists. We wanted to have a hotel in the project, but couldn't fit it in in any sensible way at that time. The decision was reluctantly made to remove the Trade Mart from the site to accommodate the hotel and to give us a better retail center. The objectives have been satisfied although the cost was quite significant.

Cramer: Approximately how much will the new hotel cost?

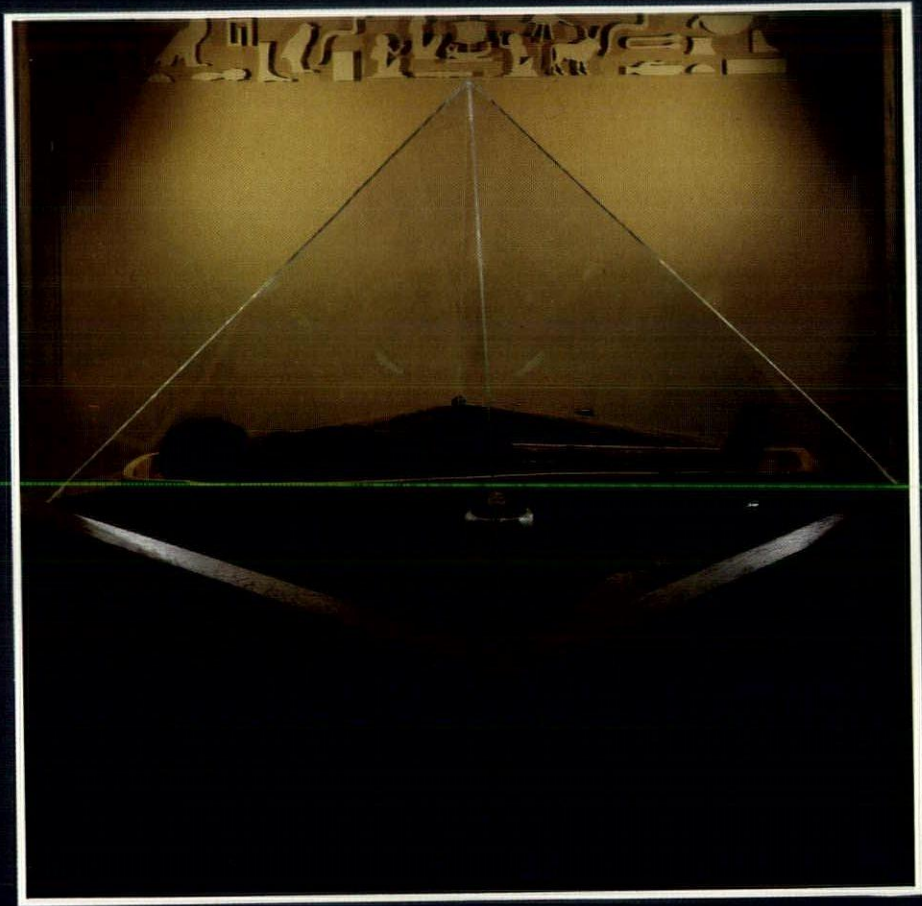
Hovelson: Well, that's a little bit out of my realm. Since we're talking about a 600-room hotel, I guess that it would be somewhere between 80 and 90 thousand dollars, including the furniture and fixtures for each room.

Cramer: What are the square footage construction costs for the City Center?

Hovelson: Well, it varies, but generally it's in the 50 dollar range.

Cramer: As a large developer, how important is design quality in architecture to the success of your projects?

Hovelson: It's very important to me personally, and I think that we are doing a very fine job. I trust that the community will receive it with equal enthusiasm. I certainly hope they will. Design issues are a constant struggle between the architect and the developer. Developers want to have profitable buildings. I think every architect wants to feel that he is making a lasting and important contribution. I don't blame them for that. In fact, I would think less of them if they didn't try to achieve that. But compromises are necessary too and some balancing must be made for what the market will bear. Both elements are important.



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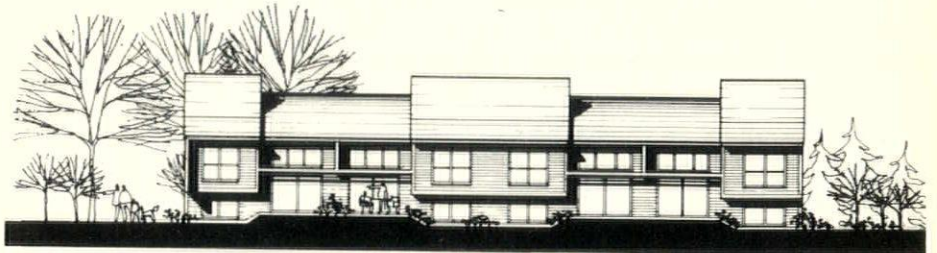
Joint Effort Produces Energy Efficient House Designs

Steve Edwins

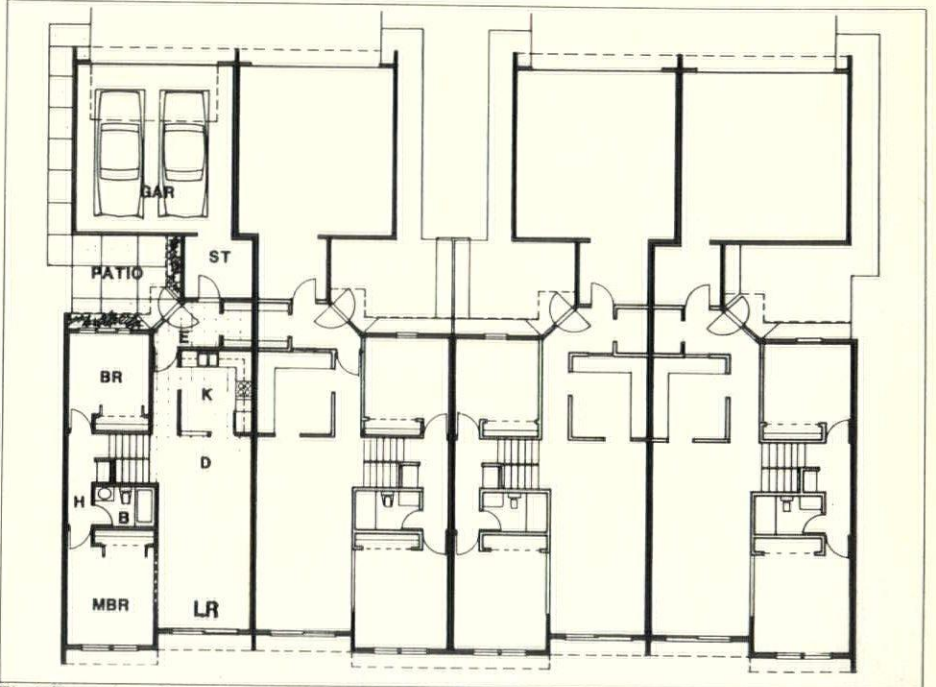
A number of State architectural firms recently participated in the Energy Efficient Housing Demonstration Program sponsored by the Minnesota Housing Finance Agency. The program was developed to encourage the use of passive solar heating, super insulation and earth sheltering in residential designs suitable for the competitive speculative housing market.

Using the winning entries, 165 units were financed for actual construction. Eighty-five of them are located in the Twin Cities area (at a maximum price of \$75,000) and the other 80 (at up to \$65,000 per house) are in outstate cities. In order to qualify for financing, prospective buyers had to be first-time home buyers whose income fell within prescribed guidelines. Once they had been narrowed down this far, buyers were chosen at random, through a drawing. Twenty-six builders were selected following submission of detailed plans, energy use data and guaranteed construction costs by builder and design teams.

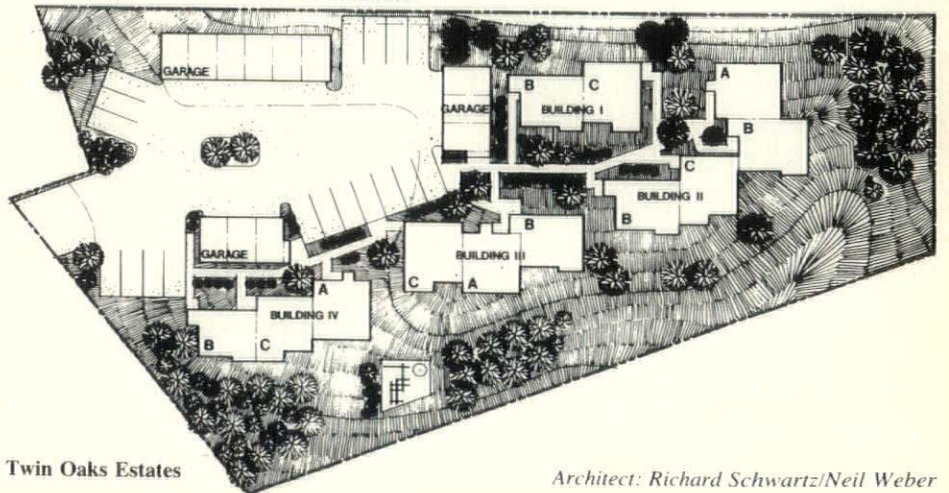
The winning entries were on display in late August at the Landmark Center in St. Paul. Builder displays can be found throughout the state. The program was developed by the MHFA, the Minnesota Energy Agency and Architectural Alliance, and includes a well-conceived and documented resource manual and submission forms. Criteria for selection were based on the use of combined effects of energy conservation construction techniques, passive solar design (including careful site orientation and earth sheltering considerations) and the ability to work within a fixed budget on available construction sites. The instruction book was a primer on energy conservation in Minnesota, worthy of review by designers, and it covered the important means for reducing heat that's lost through cracks, vents and building joints.



Sun Meadow Townhomes Architect: Miller Hanson Westerbeck Bell



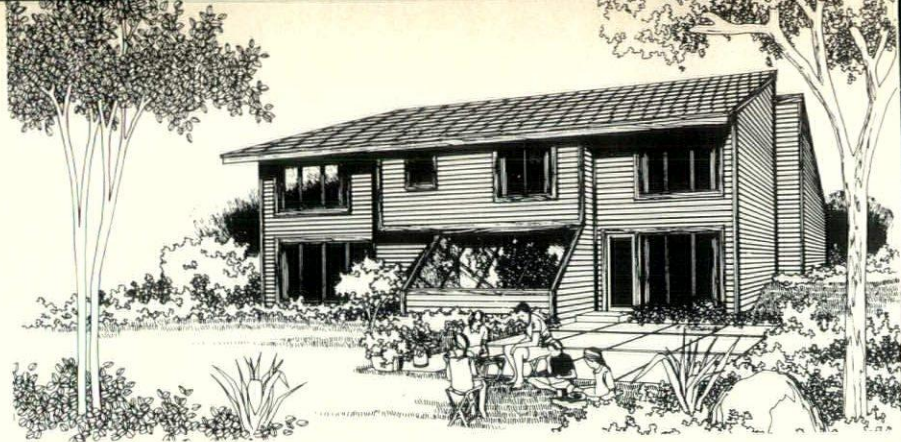
First floor plan, Sun Meadow Townhomes



Twin Oaks Estates

Architect: Richard Schwartz/Neil Weber

The winning designs were diverse enough to test popular ideas for saving energy, although most were typical of developer housing with energy conserving features. Undoubtedly, house design will undergo transformations as living space is aligned to the south and service areas buffer the north winds. Making solar houses into convenient, enjoyable spaces despite small budgets hasn't received much attention in the past, but this type of demonstration should encourage this new design orientation.

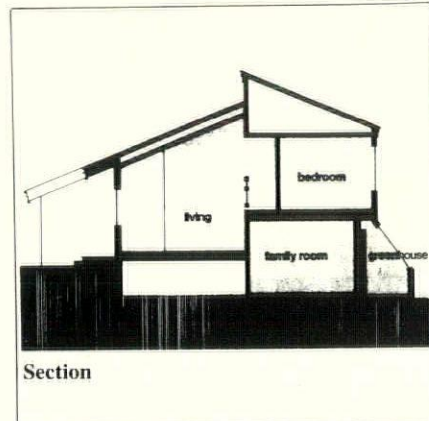


Richard Burns Associates, Fargo, developed a two-story corner sun space with trombe wall design for Eid-Co Builders in Moorhead.

Information on house heating performance was not readily available to visitors at the Landmark Exhibition, but typical insulation standards were high, with most wall construction at around R-30 and roofs around R-50. Over half of the winners were designed by architects, and a number utilized direct thermal storage in walls or floors:

Floor storage is the principal technique for all south-facing room plan by **John Skujins, Architect**, Minneapolis, for Luckie Construction Co., Bloomington, and for an all-passive house designed by **SMSQ Architects**, Northfield, for P & M Construction. These were similar in their total southerly room orientation and buffering to the north with garages. Sun-Meadow Townhomes by **Miller, Hanson, Westerbeck, Bell Architects** for developer Anderson-Jordahl in Moorhead also utilized direct floor heat storage in an efficiently packed townhouse scheme.

Johnson, Sheldon & Sorenson Architects, Inc. of St. Louis Park developed a three-story trombe wall design for Barthel Homes, Inc. in Rogers, Minnesota. A full two-story trombe wall design for CarCol Construction in Brainerd was designed by **Rieke, Carroll, Muller Associates, Inc.**



Above: Detached house, Eagan Architect: Richard Schwartz/Neil Weber Opposite Page: Sol-Air Townhome, Winona Architect: Hurt Halweg



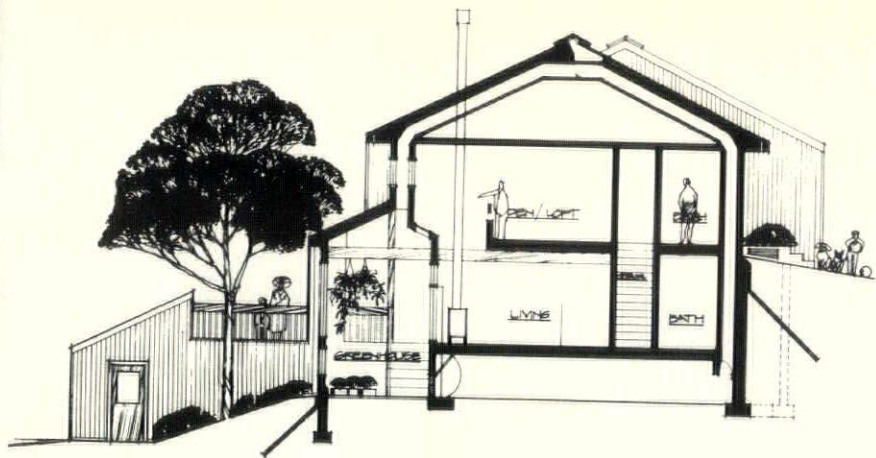
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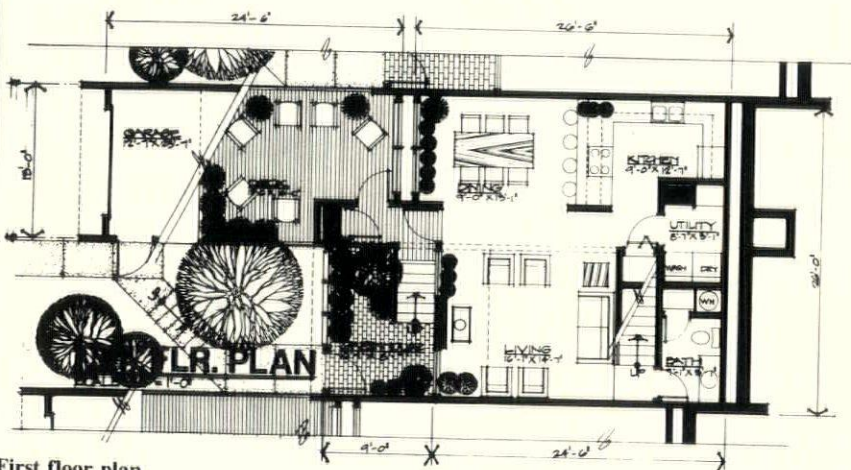
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Section



First floor plan

A controversial technique is the envelope house, to be tried in Winona's Sol-Air Townhome development built by Baker Productions, Inc., LaCrosse, Wisconsin, and designed by Architect **Hurt Halweg**, Winona.

Richard Swartz/Neil Weber supported two winning schemes, one a detached house in Egan for Burford Construction and Twin Oak Estates cluster housing for Solar Development, Inc. of Inver Grove Heights. Both use extra insulation and night shades with fairly conventional plans.

Two entrants had approaches for existing neighborhoods. **Adkins Association** designed semi-traditional row houses for St. Paul's Historic Hill District for Norman Construction Co. Home Pride Building, Inc. proposed ways for rehabilitating old houses in the Willard-Homewood Neighborhood of Minneapolis in a convincing adaptive re-use of old floor plans.

Steve Edwins, AIA, is an architect who works for the Northfield firm of Sovik Mathre Sathrum Quanbeck Architects. He also serves on the Architecture Minnesota Committee.

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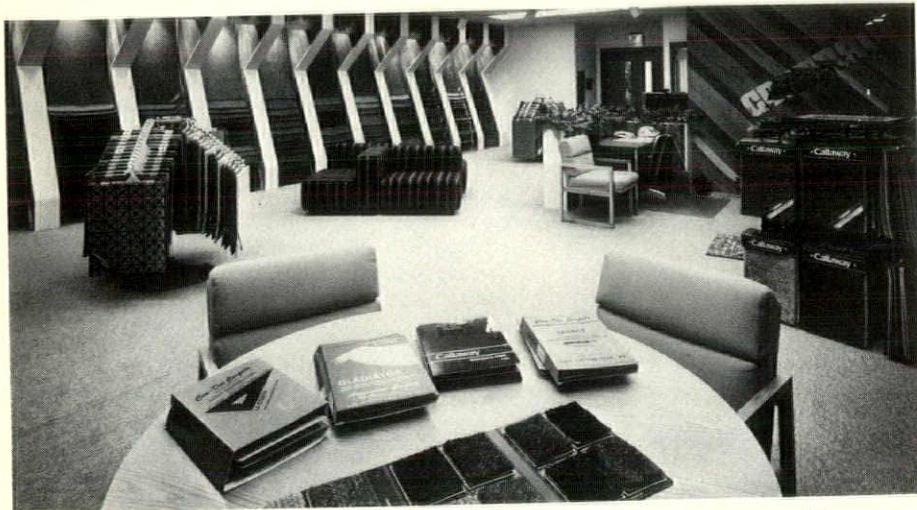
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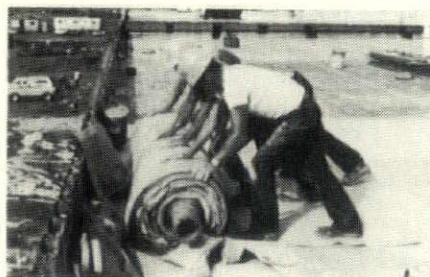
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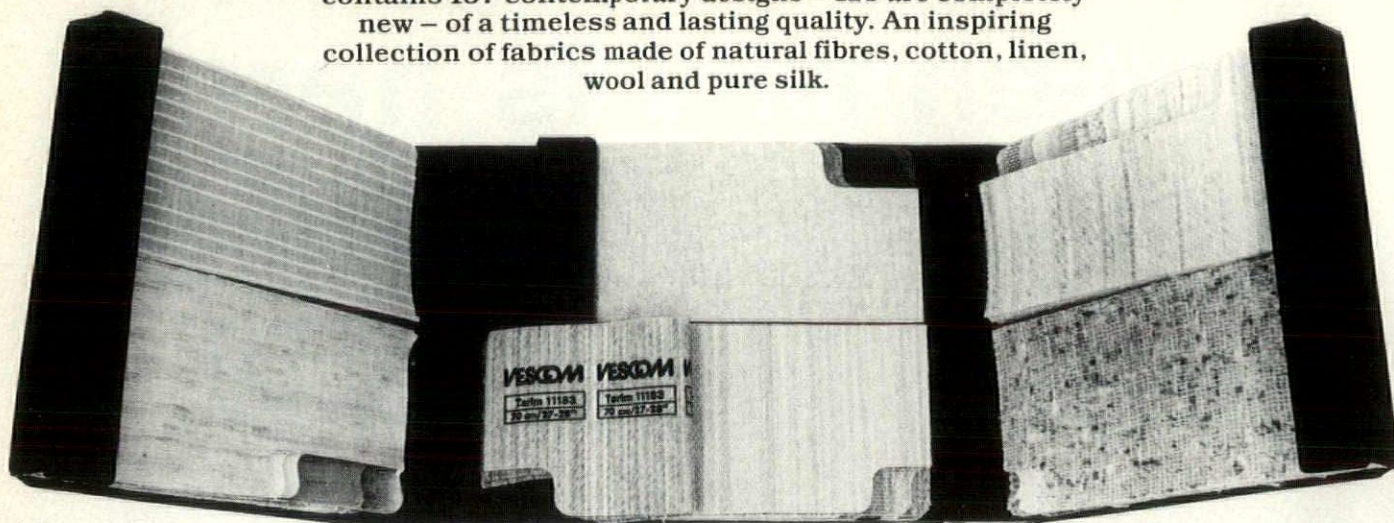
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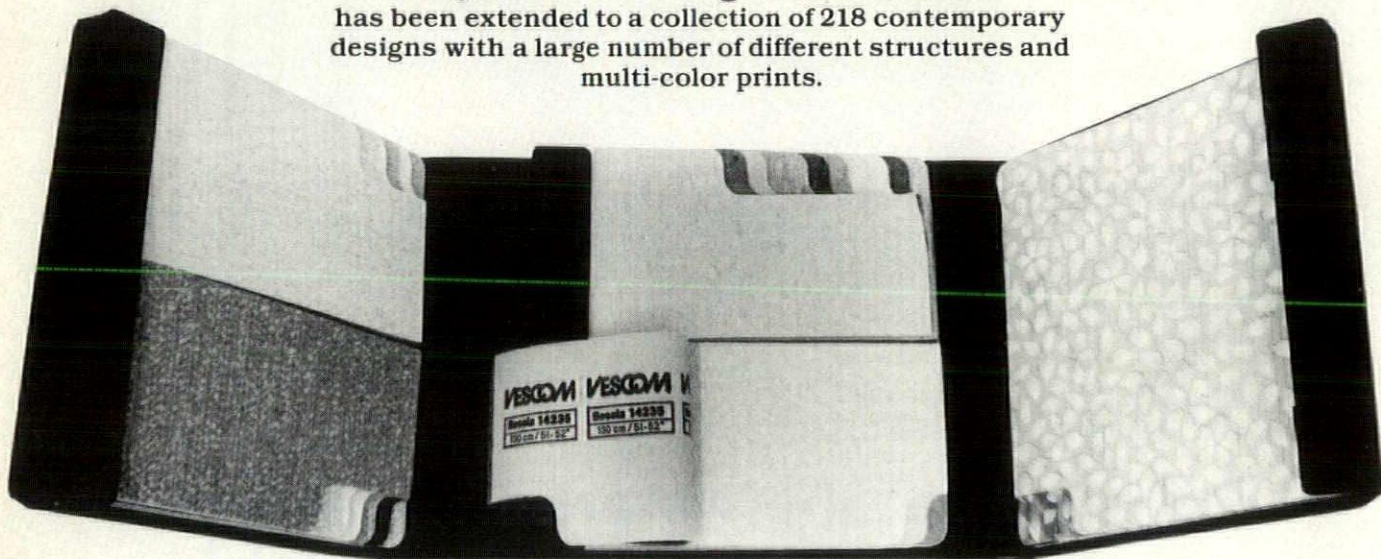
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1980 Honor Awards

Each year in August, the MSAIA selects its Honor Awards Winners. Upon arrival, the visiting jurors must organize themselves, establish their own criteria, review 100 projects, zero in on the most appropriate ones, visit as many as possible, lobby for personal favorites, and prepare their final decisions for a program two nights later. The logistics of this must somehow involve eating, sleeping, and the pervasive intellectual climate of architectural discussion.

The only variable is quality. Whether the selection process is demanding or easy is determined by the quality of the projects and the concern of the jury. At its best, the process can challenge, stimulate, and inspire us for the coming year.

The 1980 Honor Awards Program brought two highly respected architects, Harry Wolf and Eberhard Zeidler, together with noted author and critic Arthur Drexler. They provided a balance of thoughtful commentary and refreshing levity that enhanced the spirit of the program and marked them as a concerned, involved jury. They deliberated late into the final day before reaching their decisions. The projects they selected were the work of five firms whose work consistently wins local and national awards. The two firms that won multiple awards demonstrated impressive versatility.

We hope that one year, the jurors will give 100 awards to 100 projects. That is the only real goal of the Honor Awards program—to continually strive to raise the level of quality and understanding of architecture. *Craig Rafferty, AIA Honor Awards Committee Chairman*

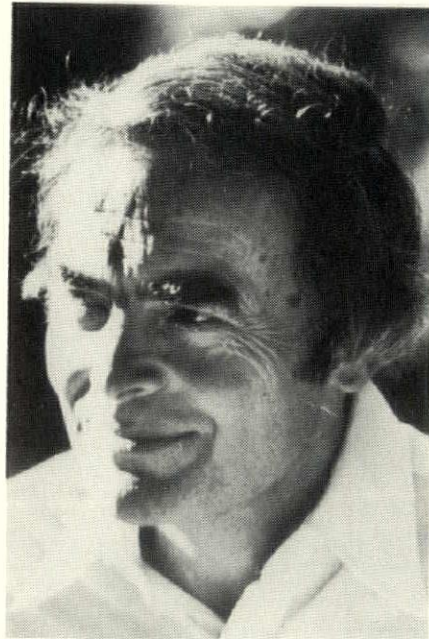
Jury Members

Arthur Drexler is the Director of the Department of Architecture and Design at the Museum of Modern Art. Before joining the Museum in 1951, Mr. Drexler was associated with the office of George Nelson and was architectural editor of *Interiors* magazine. He was born in New York City and attended Cooper Union.

(Not shown)



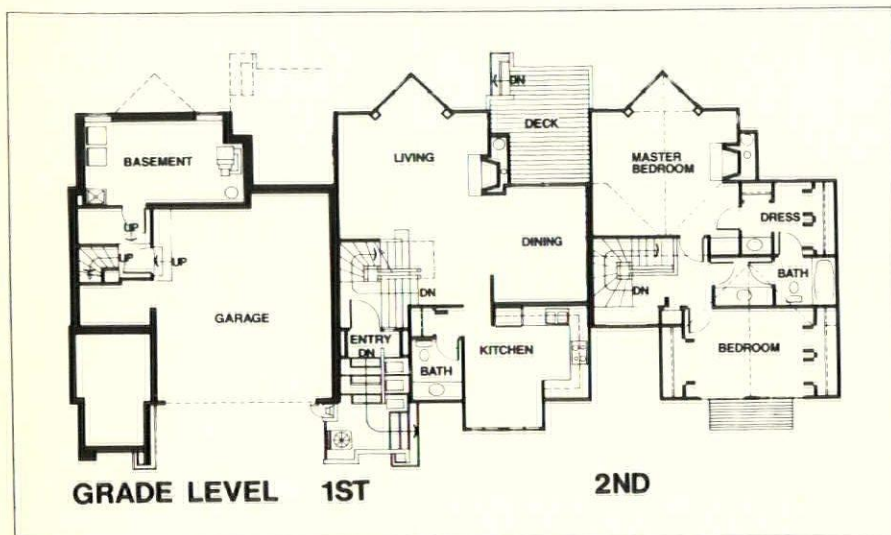
Harry C. Wolf



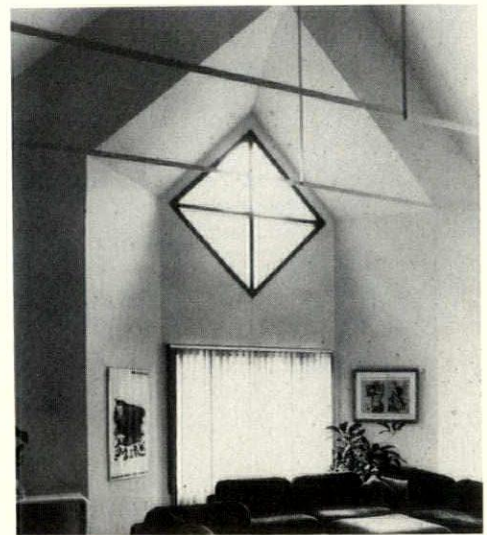
Eberhard Zeidler

Harry C. Wolf, FAIA, heads the Architecture, Interior Design and Planning firm of Wolf Associates in North Carolina. He has lectured at several universities and served on numerous juries, including the National AIA. Mr. Wolf was educated at the Georgia Institute of Technology and Massachusetts Institute of Technology.

Eberhard Zeidler, Dipl. Ing., F.R.A.I.C., R.C.A., is a partner in the Canadian firm of Zeidler Roberts Partnership/Architects. A significant figure in the field of planning and Urban Design, Zeidler's projects include the City of Toronto Central Area Plan; Woodroffe Community; St. Lawrence Market; and Harbour City. In addition to authoring a book on the planning of a health sciences centre, he has also lectured at the University of Toronto. Born in Germany, Zeidler was educated at the Bauhaus Weimar and T. H. Karlsruhe University.



Two bedroom unit



Living Room

Greenway Gables

Frederick Bentz/Milo
Thompson & Associates, Inc.

The developer for this project was faced with providing 16 units per acre on this 2.6 acre site in the center of the Loring Park Development District. The city's master plan originally called for much lighter density, but due to unfavorable marketing and financing conditions, the developer was convinced that a lower density, more rapidly completed project (to generate repayment bonds) would be to the city's advantage.

The design of the 43 luxury townhouses consists of clusters of houses grouped around short extensions of the Loring Park Greenway, providing a strong sense of privacy and separate unit identification.

Automobile access occurs from the side opposite the public greenway through private cul-de-sacs connecting to the city streets. The houses are designed using 45 degree pitched roofs with many gabled forms articulating the individual units.

Jury Comments: One of the distinct virtues of this complex is its unmistakably residential character. A relatively high density is achieved while maintaining the townhouse scale, and the planning provides a nice gradation of spatial hierarchy. The linkages to the greenway are an appropriate gesture, and this project provides a bellwether for the development of this rehabilitation area.

Credits

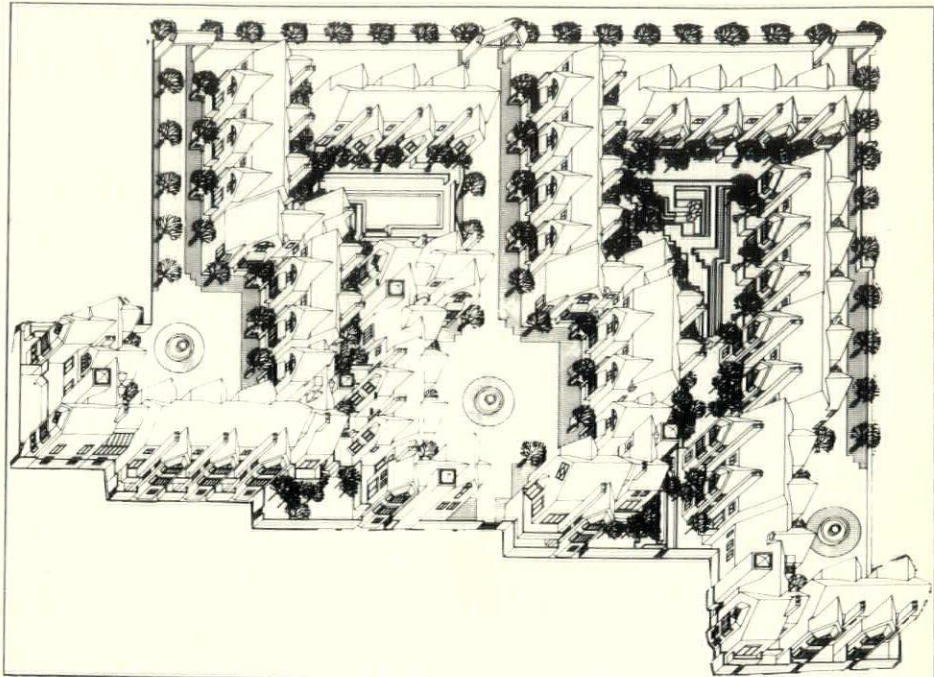
Client: Fine Associates, Inc. Edina, Minnesota and B. W. and Leo Harris Company, Minneapolis, Minnesota

Architect: Frederick Bentz/Milo Thompson & Associates, Inc., Minneapolis

Structural Engineer: Fowler Hanley, Inc.

Landscape Architect: Robert Engstrom Associates, Inc.

General Contractor: Kraus Anderson Building Company



Isometric Plan



Ramsey County Juvenile Service Center

The Leonard Parker Associates, Inc.

With A joint venture team of Parker Klein/Walker McGough

This is an adaptive reuse of a 50-year old county social services building to a downtown Saint Paul center for juvenile offenders. Although the building expresses its purpose and function, it does so subtly, creating a basically non-institutional impression. Ramsey County Juvenile Service Center consists of three major, closely related components: a community resource center; juvenile courts and court services; and detention residence and support facilities. The existing building houses the community resource center and court facilities. The new addition houses detention living and its support functions. A skylight "zipper" connects the two buildings, forming a high ceiling entry hall. The entire building, including public lobby, can be secured during off-hours, yet the public has access to detention waiting on a 24-hour basis.

Jury Comments: A challenging opportunity to combine and rehabilitate an existing structure with additional new space is achieved in an appropriately straightforward manner, effectively addressing the urban site and admirably resolving the scale transition from the housing wing to the larger administrative spaces.

Credits

Client: Ramsey County Courthouse, Saint Paul, Minnesota

Architect: The Leonard Parker Associates, Inc., Minneapolis, and joint venture of Parker/Klein/Walker/McGough

Mechanical & Electrical Consultants: Ericksen, Ellison & Associates

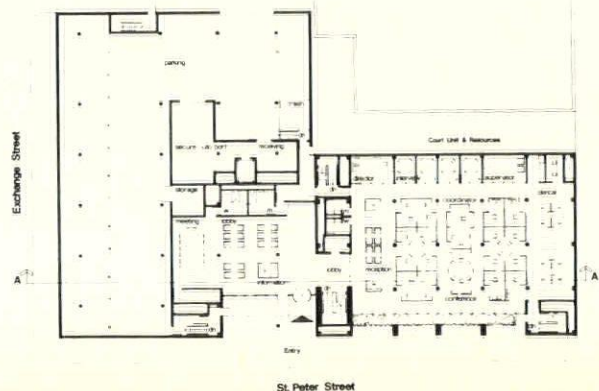
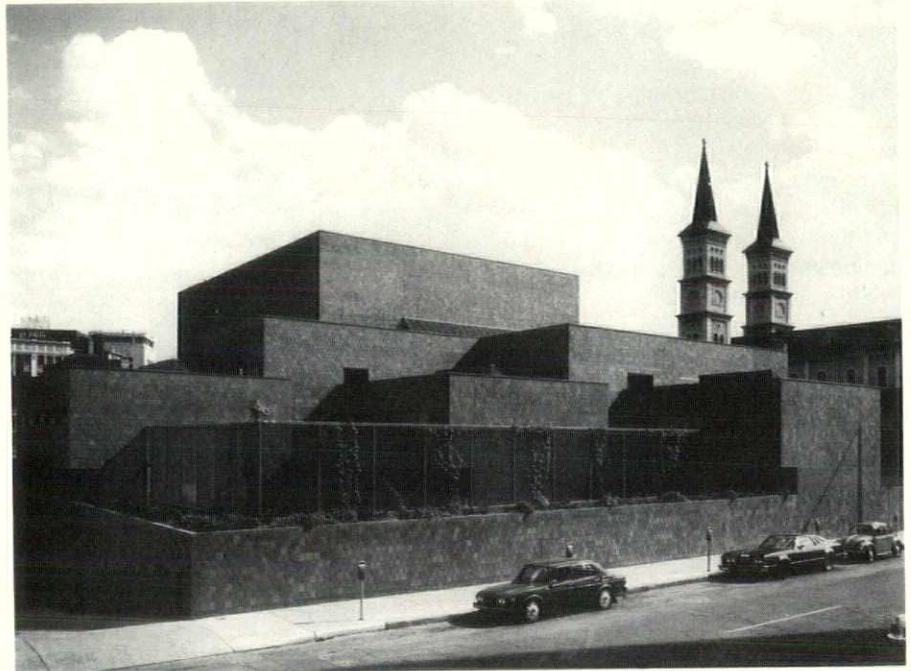
Structural Consultants: Walker, McGough, Flotz, Lyerla, Spokane

Acoustics Consultants: Bolt Beranek Newman

Interior Design: Wheeler-Hildebrandt Design Inc.

General Contractor: Knutson Construction Company

Photographer: Shin Koyama





Science Museum of Minnesota

Hammel Green and Abrahamson, Inc.

Consideration for its urban context was one of the most important design requirements of the new Science Museum. Because it is the first project undertaken as part of a multi-use complex (comprising a medical office building, parking ramp and high-rise apartment), it was necessary that the architect consult with the other designers to establish unifying concepts and guidelines for the successful integration of all four structures. In addition to being part of this complex, it is also located across the street from the Saint Paul Arts and Sciences Center. Vibrant colors give life to the entrances and the theater form.

Three levels of open, flexible exhibit areas are large enough to accommodate the expanding space needs of the museum. These are visible from the open three story lobby. The Omnitheater, which has brought renewed activity to the area with its showings of 70-millimeter "space theater" extravaganzas like *To Fly*, *Ocean* and *Atmos*, is a circular dome within a partial cylinder. Although scientific exhibitions are the literal function of the museum, the motion of science on display is also translated into the design, from the exposed mechanical ductwork to the computerized equipment in the projection room, which is on view to people lining up for Omnitheater showings.

Jury Comments: This project deals with a number of difficult urban problems. The jury was pleased to find a science museum given a downtown site, rather than dismissed to suburbia. Second, the building massing is well related to the adjacent structures. The building is an integral part of a multi-use complex incorporating parking, commercial, residential, and medical offices. All of them share a retail galleria. The interior open spaces are

interesting and lively and handle the movement of crowds well. The project is a result of an uncommon joint effort involving public, quasi-public, and private entities.

Credits

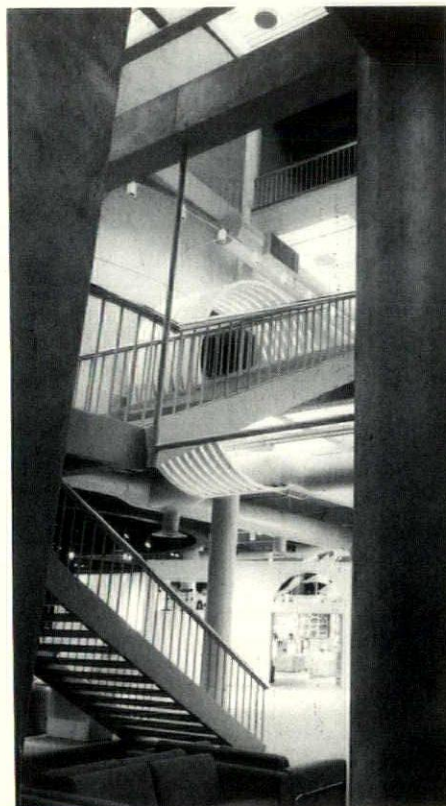
Client: Science Museum of Minnesota, Saint Paul, Minnesota

Architects/Engineers/Planners/Interior Designers: Hammel Green & Abrahamson, Inc., Saint Paul
Partner in Charge: Bruce Abrahamson, FAIA

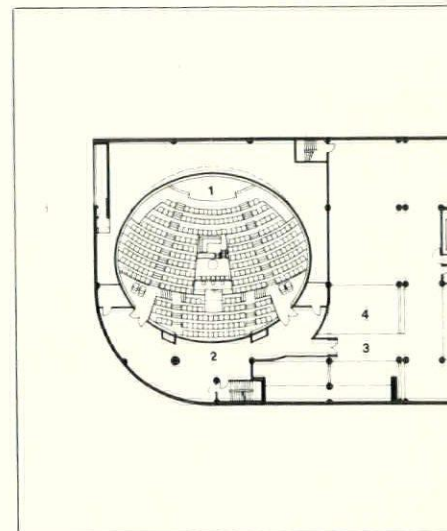
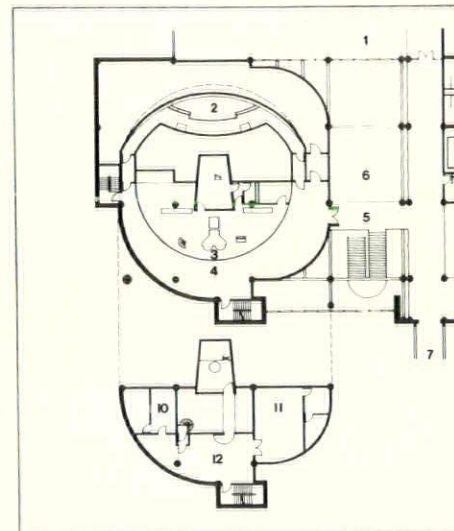
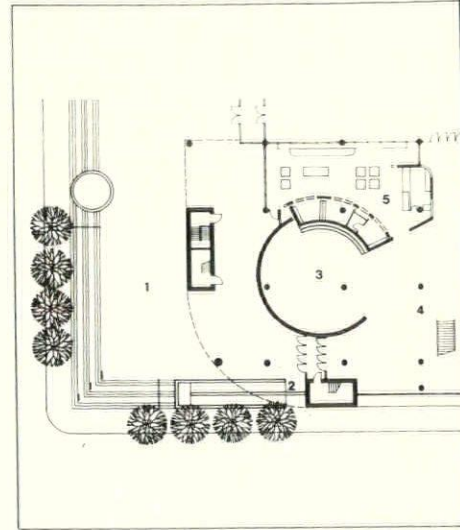
Project Architect: Juan Stoleson, AIA
Director of Interiors: Kenneth A. LeDoux, AIA, ASID

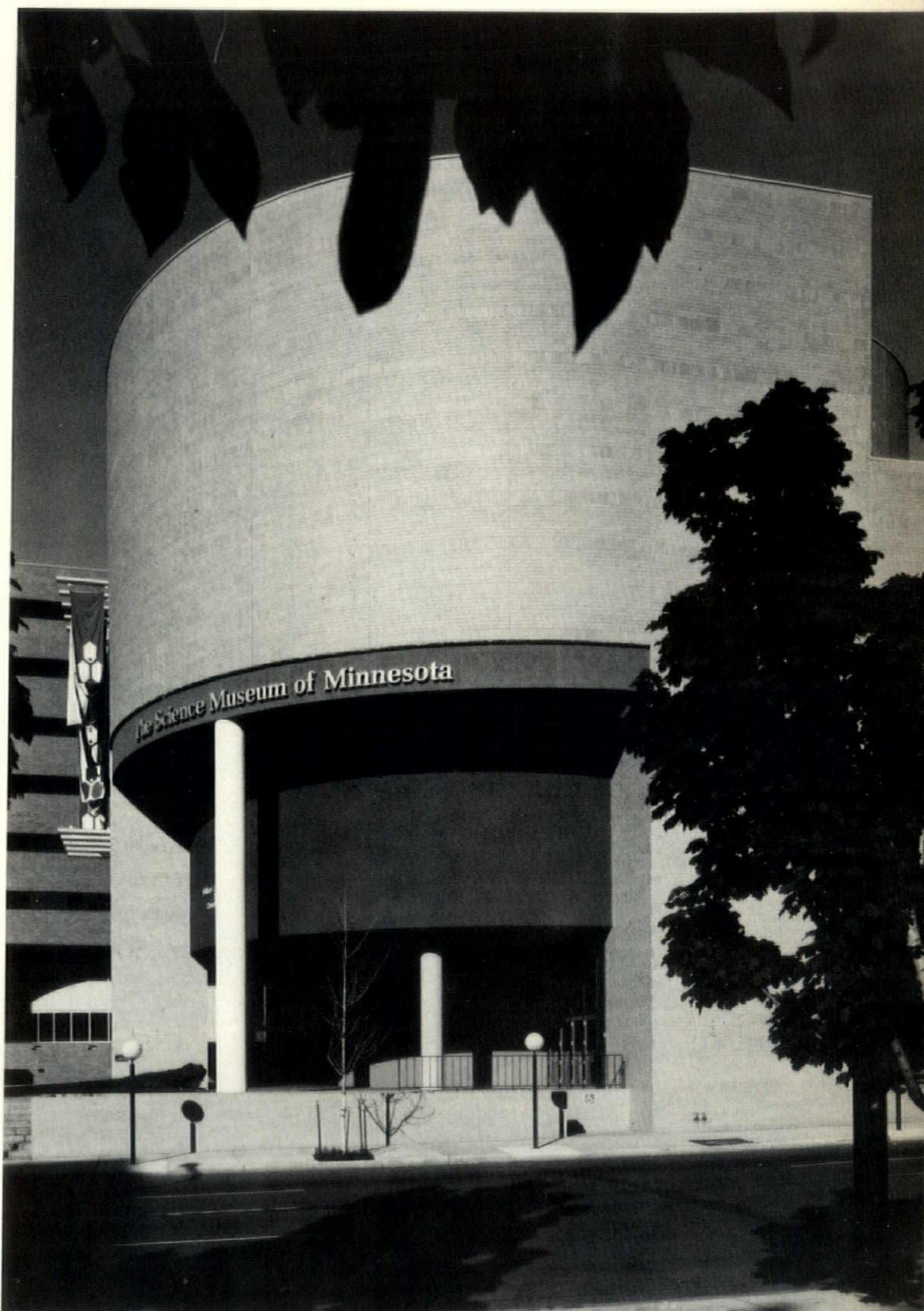
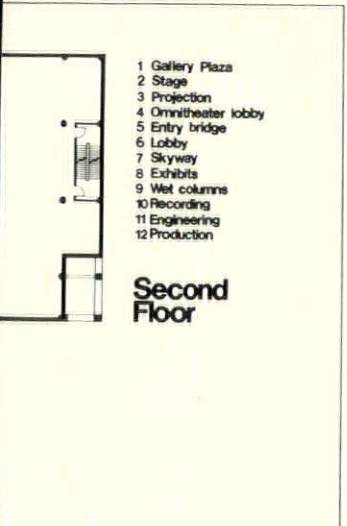
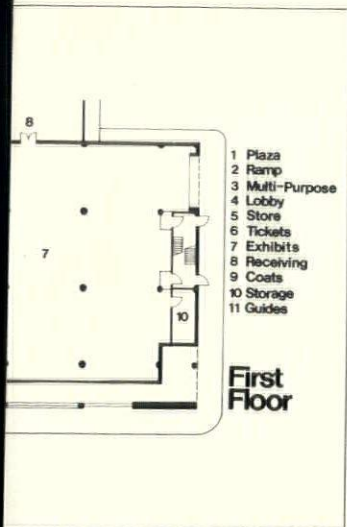
Structural Engineers: Johnston/Stahlman
General Contractor: Bor-Son Construction, Inc.

Consultants: Paul Marantz, Lighting; W. Michael Sullivan, Space Theater; Russell Johnson, Acoustics; Purcell & Noppe, Sound System



Lobby interior







Altar

Church of Saint Peter

Hammel Green and Abrahamson, Inc.

The biggest problem with this pseudo-Gothic Catholic Church was that its interior plan lacked the sense of community necessary for worship. Built in the 1850s and located on a busy street in a designated historic district, the Church of Saint Peter also lacked exterior space for social encounter.

To improve the situation, it was necessary to reorganize the space by developing a gathering place for social encounter. To achieve this, the church entrance was reversed and the sanctuary was moved from the west to the north wall. The pews were organized in blocks around the sanctuary to allow for visual encounter among the congregation. In the new plan, the existing entrance is closed off and a new entrance is created as an exterior forecourt to the commons.

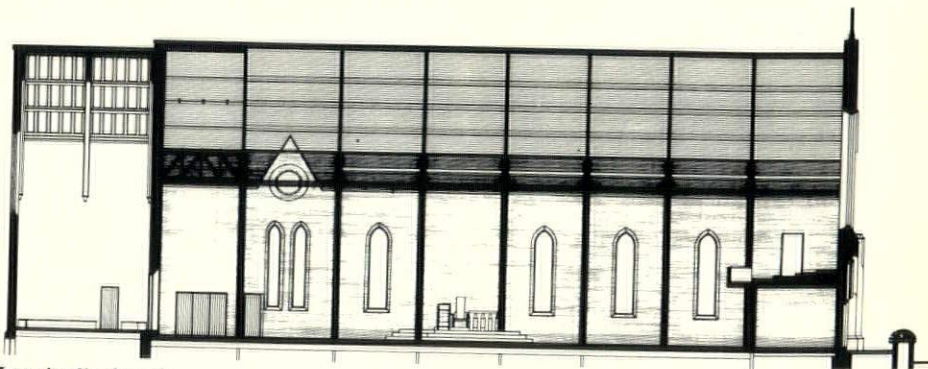
The commons provides space large enough for a narthex and baptistry and related social functions. There is also one point of entry which offers better control to the rectory and unifies the buildings into one complex.

In the first phase of the renovation, the interior (walls and structure) was sandblasted, with the structure left natural and the walls painted a putty color. An effort was made to save the best of the old carvings and to reuse them as rich accents within the nave. The carved reredos wall and wainscoting were reused in the Eucharistic chapel as wall material. The tabernacle was constructed from the rich Gothic wood detailing and then gold leafed. The new altar is of rich green Lake Placid granite.

Jury Comments: The jury was struck by the results of an extensive interior renovation. The completed spaces are simple, serene and calm. The jury had some reservations in that the renovation removed all traces of an existing 1850's pseudo-Gothic interior. However, given the programmatic requirements of



Sanctuary



Longitudinal section

response to the reform liturgy, the pleasing results and the suggestion of enhanced entry indicated in the plan, the decision to award was unanimous.

Credits

Client: Church of Saint Peter, Saratoga Springs, New York

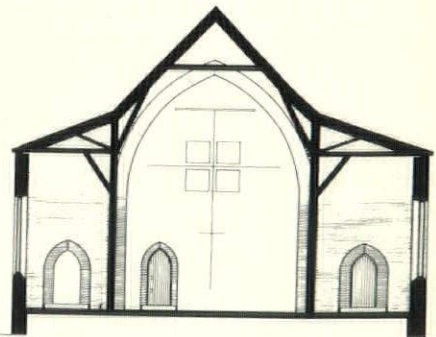
Architects: Hammel Green & Abrahamson, Inc. and Frank Kacmarcik, Saint Paul

Design Team: Theodore Butler, AIA; and Frank Kacmarcik

Structural Engineering: Eckerlin, Klepper, Hahn & Hyatt

General Contractor: Northern Dean Incorporated

Photography: Theodore Butler & Curtis Green



Transverse section

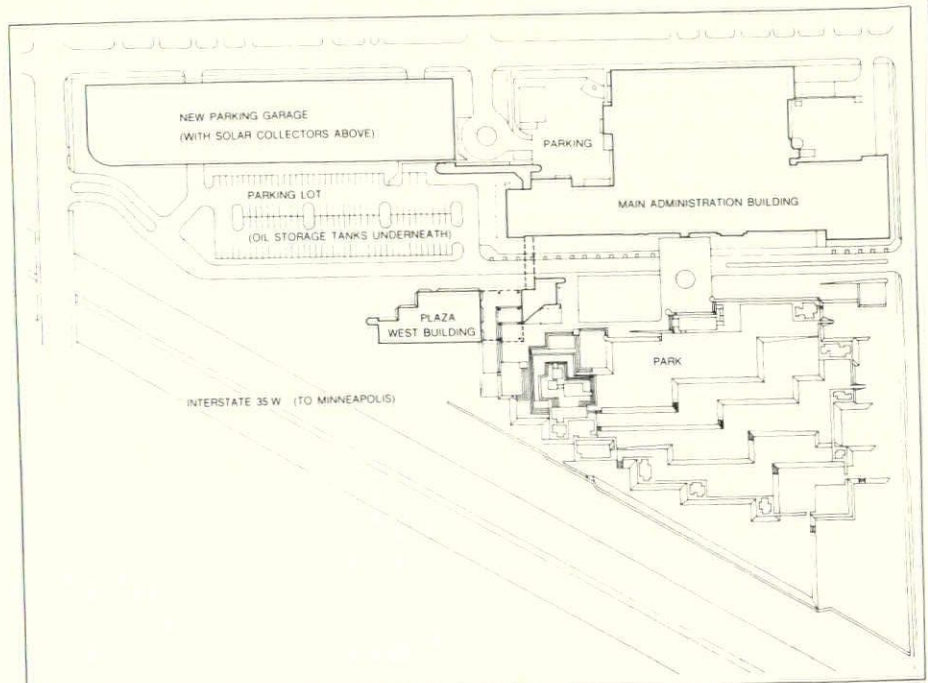
Honeywell Plaza

Hammel Green and Abrahamson, Inc.

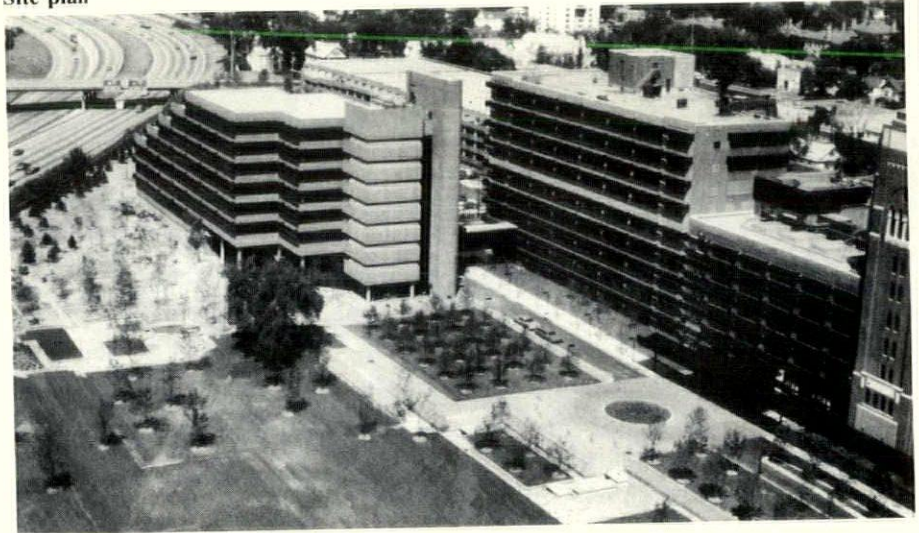
The Honeywell Corporation had outgrown its headquarters in an architectural hodge-podge of buildings, the oldest of which was built in 1912. The company wanted to expand upon the existing facility and to create a more contemporary image for themselves. Besides the materials and forms of the existing buildings, the architects had to consider the site, which includes a decaying residential area to the east and a major freeway leaving downtown just to the north. They also had to allow for further expansion of the "urban campus."

The resulting design is a series of stepped forms of brick and glass which recall the scale of the original buildings. Its composition is intended to look as attractive from the freeway as it does from the surrounding streets. A solar screen of dark grey glass in bronze anodized aluminum frames is attached to its west and south facades. This element is extended around the existing buildings to unify the entire complex. A landscaped public park ties together the disparate architectural elements and serves as the main entrance to the complex. Future expansion will continue around the park, using the forms and materials established there. Economic and durable concrete structures with masonry and glass surfaces recognize the old and unite them in a new expression.

Jury Comments: A complex of existing structures of varied ages and architectural virtues was combined with new buildings to produce a result of convincing coherence. Particularly notable was the choice of the simple and appropriate secondary architectural elements—sun shades, window frames, etc.—to visually unite the disparate architecture. This is an agreeable alternative to the more usual response of sheathing older buildings in a new dress. The industrial ethic of the heavy black



Site plan



steel brackets and other such recollections seems particularly appropriate in this case. The accidental massing of the existing structures is skillfully balanced by the new building, and the site landscaping is admirable.

Credits

Client: Honeywell Corporation, Minneapolis, Minnesota
Architect: Hammel Green & Abrahamson, Inc., Saint Paul

Partner-in-Charge: Curtis Green, AIA
Project Designer: Richard Brownlee
Project Architect: C. Michael Neimeyer, AIA
Engineer: Ellerbe Associates, Inc.
General Contractor: Bor-Son Construction, Inc.
Landscape Architect: M. Paul Friedberg & Associates



Plaza West building

Piya Wiconi

THE Hodne/Stageberg PARTNERS, Inc.

Piya Wiconi is a dramatic image in the beautiful rolling hills of the Pine Ridge Reservation, just south of the South Dakota Bad Lands.

Piya Wiconi (a Sioux word meaning "rebirth and new life") was intended as a major architectural and spiritual statement encompassing the breadth of the Sioux life and religion. Planned to be the first facility of a new tribal village, the architecture of the complex uses the natural life forces of the earth in a symbolic and ritualistic geometry. The major axis (organization element) for Piya Wiconi is a water canal which is oriented towards the sacred "Indian east summer solstice sunrise." The structural grid of the building uses 16 points of the Indian teepee. The images of the building contrast greatly from north and south of the summer solstice axis. The graphic image on the south banner wall is of a reclining eagle with water pouring from the eye into the water canal, while the image of the north is a subtle recall of the natural buttes of that area. The two sides of the building differ greatly. It has even been observed, only half-jokingly, that the rather restrained and subtle north side was designed for the white man while the south-facing imagery was designed for the Indian.

Jury Comments: This building is beautifully sited and is treated as a sculptured form in the landscape, which in this case is appropriate. The imagery is apparently derived from tribal art and is an integral part of this strong, convincing architectural statement.

Client: Oglala Sioux Tribe, Pine Ridge Reservation, South Dakota

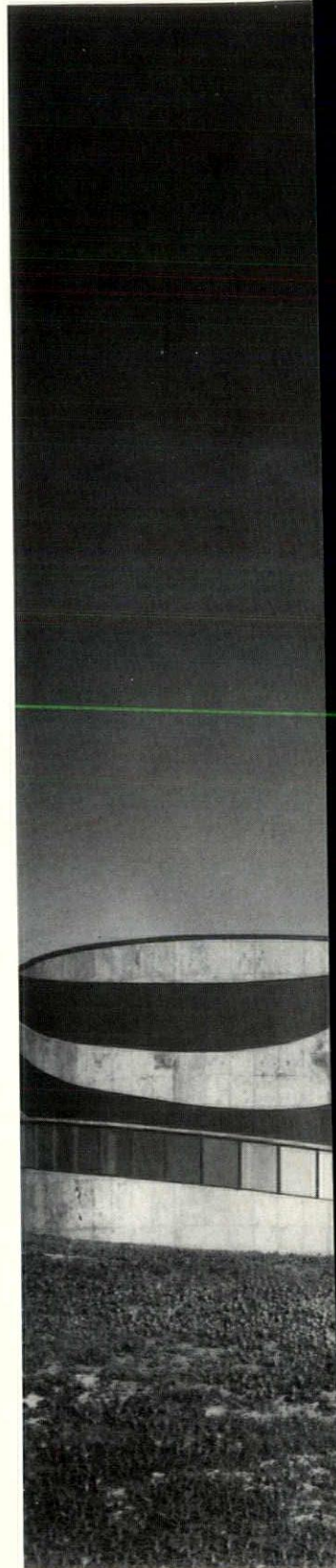
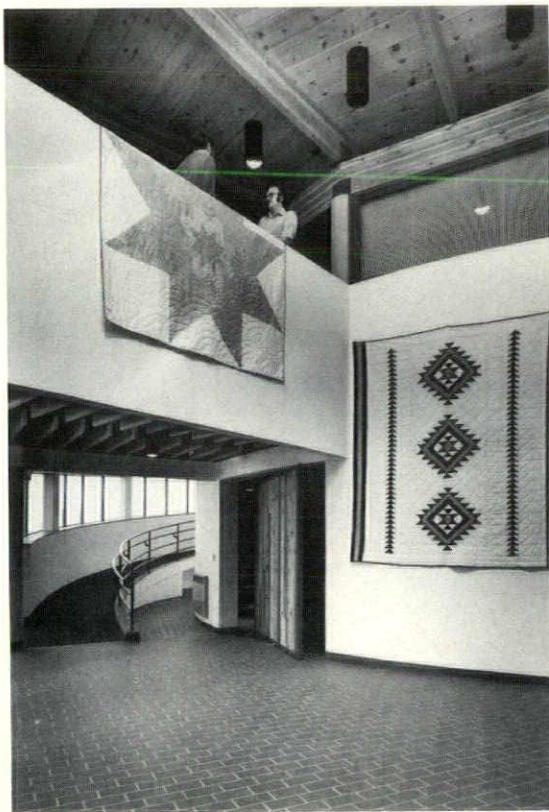
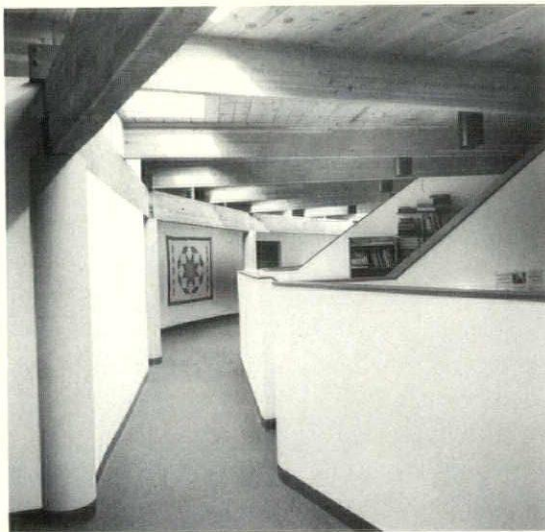
Architect: THE Hodne/Stageberg PARTNERS, Inc., Minneapolis

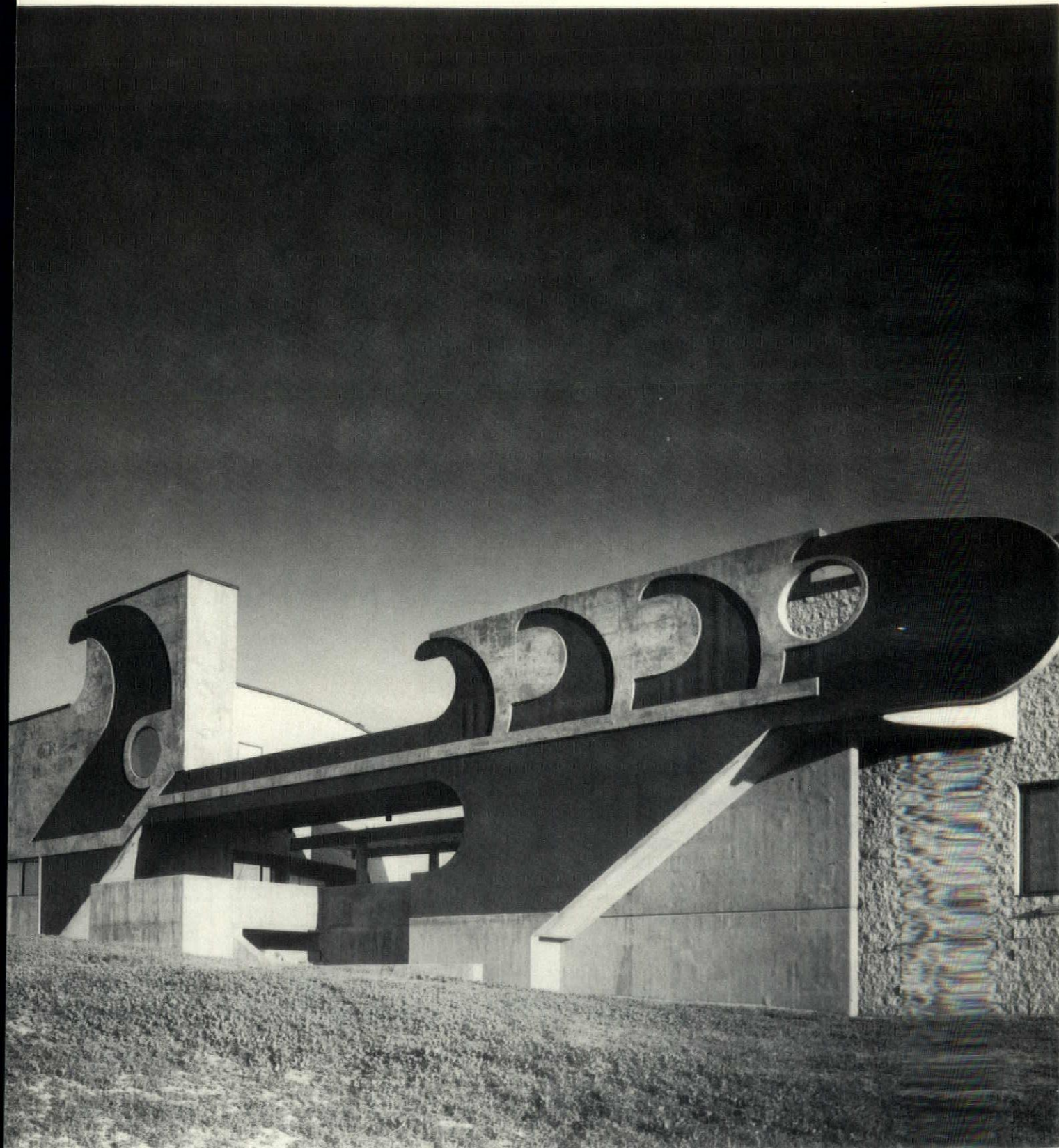
Structural Consultants: Bakke/Kopp/ Ballou & McFarlin, Inc.

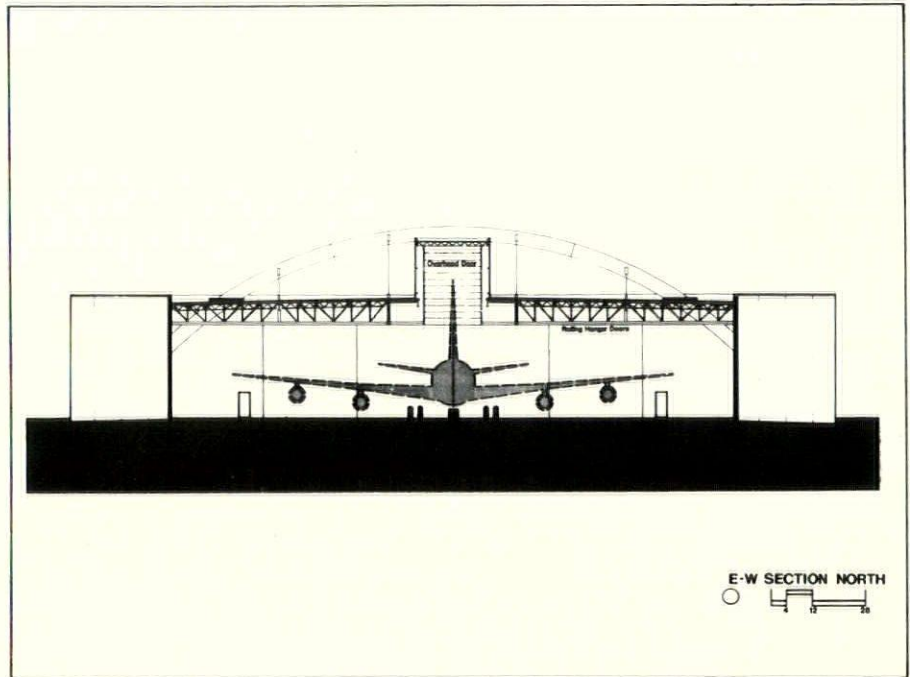
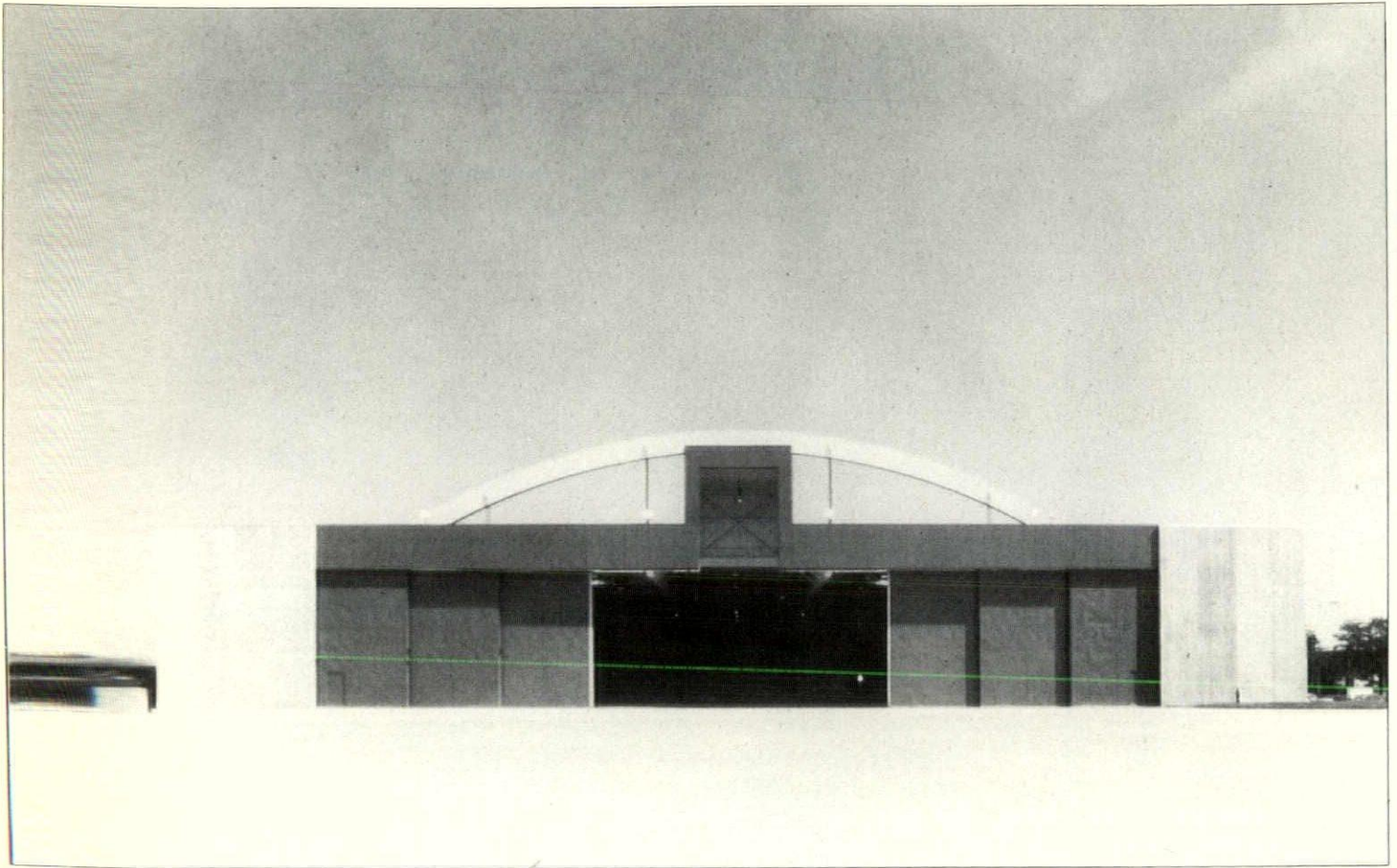
Mechanical/Electrical Consultants: Ericksen, Ellison & Associates

General Contractor: Henry H. Hackett & Son

Photography: Norm McGrath



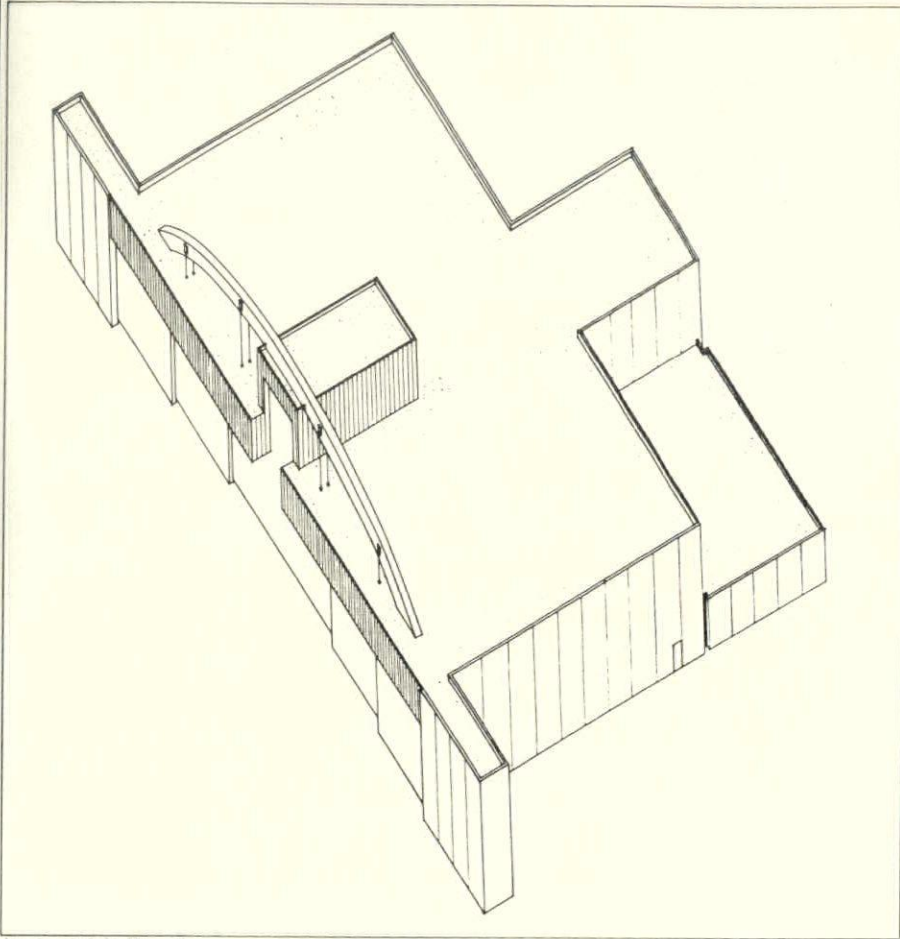




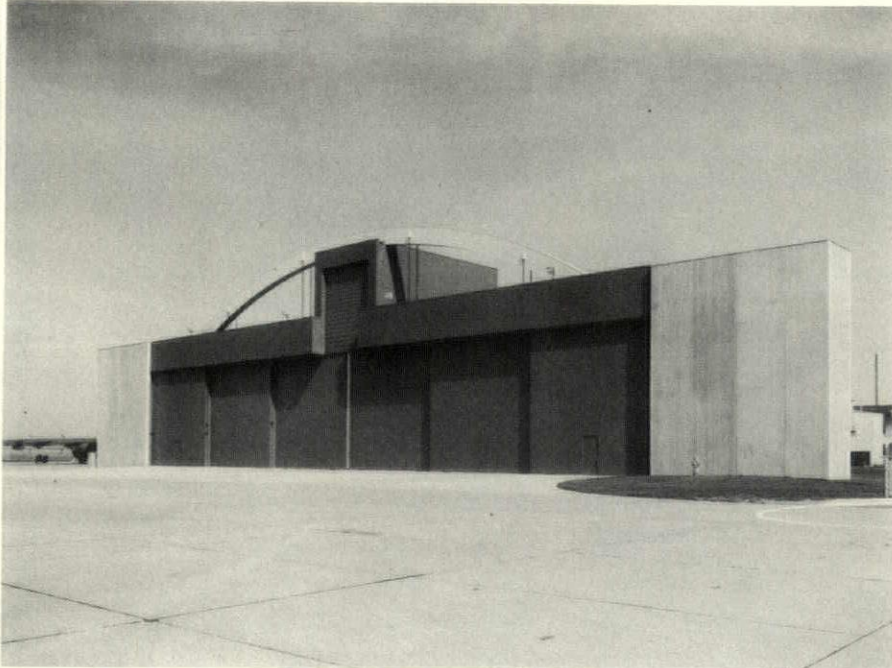
Section

Airport Maintenance Facility

Ellerbe Associates, Inc.



Axonometric Drawing



Ellerbe Associates' design for this aircraft maintenance facility proves that the budget and function of a building need not hopelessly restrict its design. This building's function is quite specific: to provide a place where C310 aircraft can be housed, washed, and repaired. Its low budget necessitated conventional building materials with low initial, maintenance, and life cycle costs. The resulting structure uses a circular arch to closely encompass the minimum clearance envelope for the aircraft. It also provides satisfactory operation of the 16 foot wide major door and overhead tail door. A low mass was integrated with the main volume that houses the aircraft to provide office, tool storage and mechanical equipment space.

Overall, the facility has a clean, contemporary look that complements the surrounding structures, while maintaining its own distinct design integrity.

Jury Comments: An agreeably straightforward architectural response to a building requirement all too often left to the package builders or the engineers. The building elements—reduced to the essentials—are thoughtfully composed with the subtle introduction of color presenting a pleasing contrast to the usual milieu of ancillary airport buildings.

Credits

Contracting Officer Representative:

Captain Lewis F. Wolf

Architect and Engineer: Ellerbe

Associates, Inc., Bloomington

General Contractor: Adolfson and

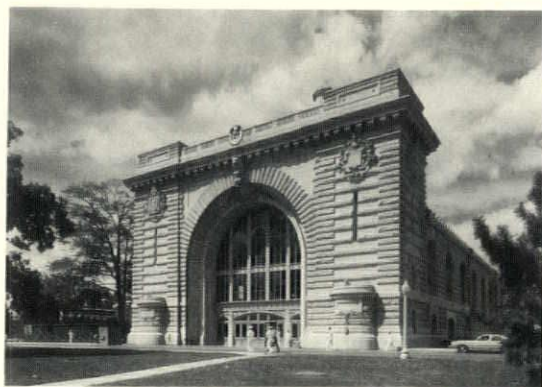
Peterson, Inc.

Photographer: Shin Koyama



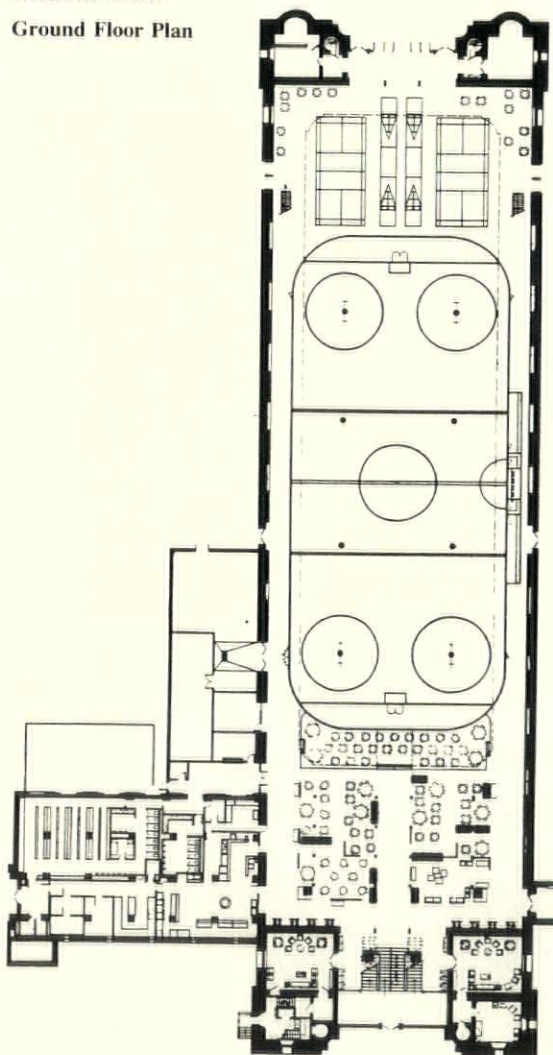
Midshipmen's Sports and Recreation Center

Ellerbe Associates, Inc.



Restored facade

Ground Floor Plan



Built just before 1900, Dahlgren Hall was an old drill hall located on the historic United States Naval Academy campus. Its outstanding characteristics—the architectural detailing and the generous open space—were to be retained in the renovation to a Midshipmen's Sports and Recreation Center.

The hall now accommodates a student center, sports center, a place for receiving guests, meeting rooms for clubs and organizations, food services, lockers, lounges and offices. In order to include all these elements without sacrificing the original design intent, the greatest share of the activities were located in the towers at either end of the building. The large area needed for receptions and restaurant was gained by extending the gallery a short distance into the arena. A portion of the restaurant seating is on a raised platform adjacent to the ice rink. The only modifications to the exterior (and most of the interior) were cleaning, repairs, and enhancement of the original design through the use of color, textures, and lighting. The addition to house the ice rink mechanical equipment and storage was built to match the heavily rusticated exterior.

Jury Comments: This handsome transplanted provincial French/Belgian train station now serves the academy as a sports and recreation center. The transformation is achieved at no expense to the charming original building. The architect and client are to be applauded for their gentle and thoughtful handling of the circumstances.

Credits

Client: Chesapeake Division of the Naval Facilities Engineering Command, Washington, D.C.

Architect and Engineer: Ellerbe Associates, Inc., Bloomington

General Contractor: Stauffer Construction Company, Inc.

Photography: Shin Koyama

Special Awards

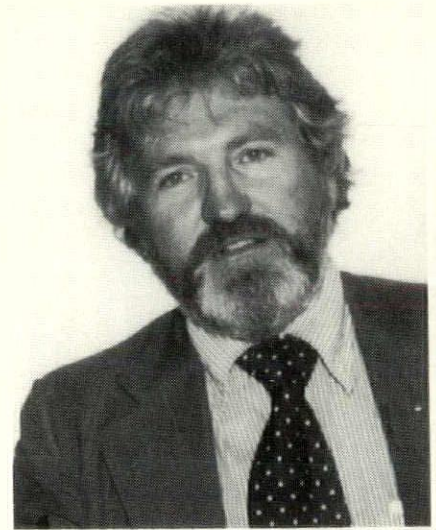
Each year the Minnesota Society American Institute of Architects presents Special Awards to selected individuals or organizations who have distinguished themselves by their extraordinary contribution to the enhancement of the physical environment and the quality of life in the State of Minnesota.

The ideals of the architectural profession are often advanced by those outside the profession who by courage, determination, vision and dedication have shown a high level of sensitivity to the social and physical needs of the community.

In 1980 the following individuals and organizations were honored.

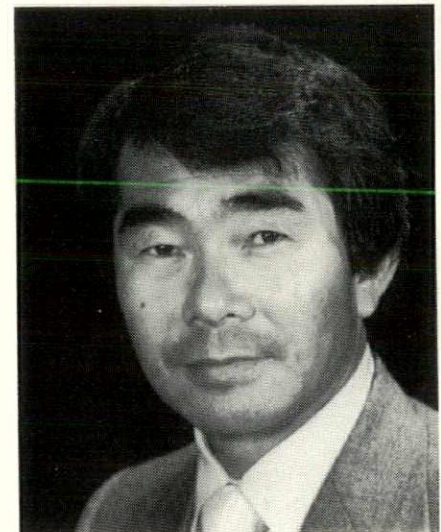
Donald J. Heffernan, *Attorney*

for selfless legal efforts to preserve our architectural heritage.



Shin Koyama, *Photographer*

for dedicated and continued excellence in architectural photography.



Mayor George Latimer for exemplary civic leadership in the physical and energy revitalization of Saint Paul.





'City Segments' show at the Walker includes this series of sketches by Helmut Jahn depicting a variety of projects over a 10-year period in the Chicago loop.

Assumptions go awry in city's home-loan plan

By John Kester
Staff Writer

Bruce Nelson concedes he got a very good deal on a house a year ago thanks to a city program established to help low- and moderate-income people buy homes.

For that, he's grateful. But Nelson wants to sell the home now and the city — after the fact, as far as Nelson is concerned — has told him he can transfer the mortgage only to someone who meets the same income guidelines Nelson had to meet to buy the home.

For that, Nelson is considering suing the city.

For Nelson and about 400 others who bought homes through the program, the fight is a study in good intentions versus individual property rights.

Nelson bought the house through the Home Ownership Four Program (HOFA), under which the city sold homes and sold the proceeds to provide low-interest mortgages for people with adjusted annual incomes of less than \$22,000.

Nelson got an 8 percent, \$2,000 mortgage through the program last March. (Actually, the mortgages were issued by private lenders who then sold the loans to the city.)

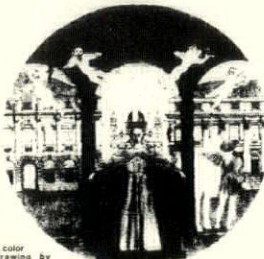
At the time, lenders were charging between 10 to 12 percent interest on home loans. In the spring in Nelson was considering. And, as far as Nelson was concerned, there were no restrictions on resale of the home.

So this spring, when he decided to sell the house to finance a career change, Nelson expected the same to happen. The price was moderate, not rising increasingly fast as in these days of rising housing costs and he had a very attractive

mortgage that, he thought, could be assumed by a buyer.

And indeed, a buyer surfaced quickly to add agreed to pay \$48,000 for the house if he could take over Nelson's low-interest mortgage. But when the buyer contacted the bank to verify his right to assume the loan, he was told that only someone making less than \$22,000 would be allowed to assume the loan. The buyer, who was living with his two younger partners, made more than \$22,000, didn't meet the guideline and therefore couldn't

Property continued on Page 40.



A color drawing by Thomas Beeby illustrating his disaffection with sterility of some modernist forms.

Scheming, dreaming of architects shown at 'City Segments'

By Bernard Jacob

One of the great pleasures in the practice of architecture is the translation of an idea into a drawing. It is a tangible thing. Sometimes the translation is a degenerative process — when the drawing is not as good as the idea and the reality is not as good as the drawing.

Often, particularly these days, the drawing never becomes reality. It remains an idea rendered into paper. Sometimes also an idea is a message, a notion, a comment which need not be built to be shared.

'City Segments,' the exhibition of architectural drawings at the Walker Art Center in Minneapolis through June 15, is an eloquent assembly of

A look at architecture

existing and diverse views, continued

and views. Mildred Freeman's exhibition, "The Architect's Career," has somewhat drawings of some 30 architects — American, European, Canadian and Japanese — representing a cross-section of views towards urban questions and the role of the designer in finding ways to confront current architectural issues. This exhibition, then, is not a mere showing of drawings, but a rather extensive and a "collection of urban images."

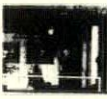
There is currently an architectural turbulence — a symphony of many troubled waters — that is being largely ignored by the architectural establishment. It is nourishing and nourished by the younger practitioners and those too gifted and impatient to trust institutional patterns and perhaps even the hope of mass architectural achievement.

The drawings shown in this exhibit are as frustrating and exhilarating as they are confusing and beautiful. The ideas set to drawing are not always strictly ideas, sometimes they are merely images, visual fantasies given expression through the measuring tools of the architect's drawing. The tactile delight of rendering onto paper lines that become buildings and cities forms in own projects and sometimes lives to live.

As works of art, some of the drawings are exquisite. The draftsman's eye, the coloring and the shapes are (irresistible Emilio Ambasz' series of drawings of a "Cooperative of Men" and American Group Architects in California) in one such outstanding example. It is precise, surreal and beautiful. Although it hardly qualifies as an "urban image" or as an illumination of current issues, the drawings are of a high quality.

Architecture continued on Page 25.

One family's solution: Convert the duplex



Stairway connects the Hollibaugh's living areas.



Stairway connects the Hollibaugh's living areas.

Christina Science Meiner Service

Houston, Texas
When Carolyn and David Hollibaugh's family needed a bigger house, they turned their brick duplex into a country home that more than meets their needs.

When they moved to Houston, economics was a consideration in their choice of home. So, with his brother, the couple bought a duplex on a tree-lined street that also had single-family homes.

As about the time the Hollibaughs were expecting their second child and were about to outgrow the duplex's two bedrooms, David's brother decided to leave Houston. The Hollibaughs wrestled with the question: Do they convert the duplex into a single-family home or do they buy a new home?

They were troubled by a real estate broker's comment: "Once a duplex, always a duplex." But they were more troubled by the fact that the houses they looked at cost at least \$150,000 and had far more rooms than what they could have if they converted the duplex. "It was more economical to stay here and put up with the hassle," Mrs. Hollibaugh said.

They hired two architects, Leslie Davidson and Douglas Compton and told them they wanted to renovate without changing the building too much.

And they wanted to prove the realty broker wrong.

They did. The duplex was straddled when the stairway that had been inside the front door was to be moved. That space and the bedroom in the right of the old hallway were incorporated into the light, spacious living room.

A new stairway with a contemporary railing was placed on the far side of the living room. The gateway, which leads to the upstairs living room, relieves the mind-numbing downward-looking, unrelaxing view of the street that was so many renovated duplexes.

The upstairs living room, converted into a play room, was given a new look with unusual wall colors and an open balcony. The playground is mounted out of the way from most busy roads, yet the street's problems easily can be overlooked.

Another major change was turning the upstairs dining room into the master bedroom with a bath room built off it where the upstairs kitchen had been.

The Hollibaughs had to live with the construction — sweat and all. But they say they made the right decision. For one thing, the improvements cost only \$25,000. More than that, they have everything they want, and the house works.

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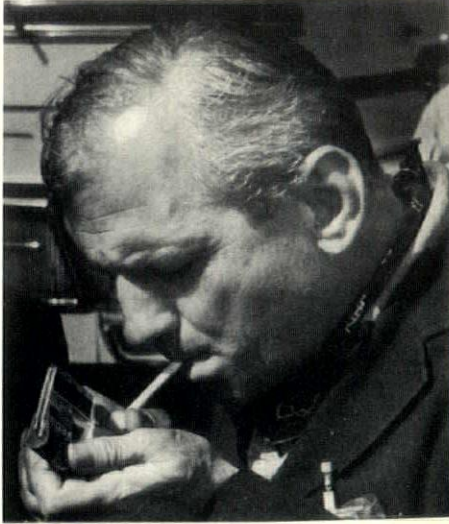
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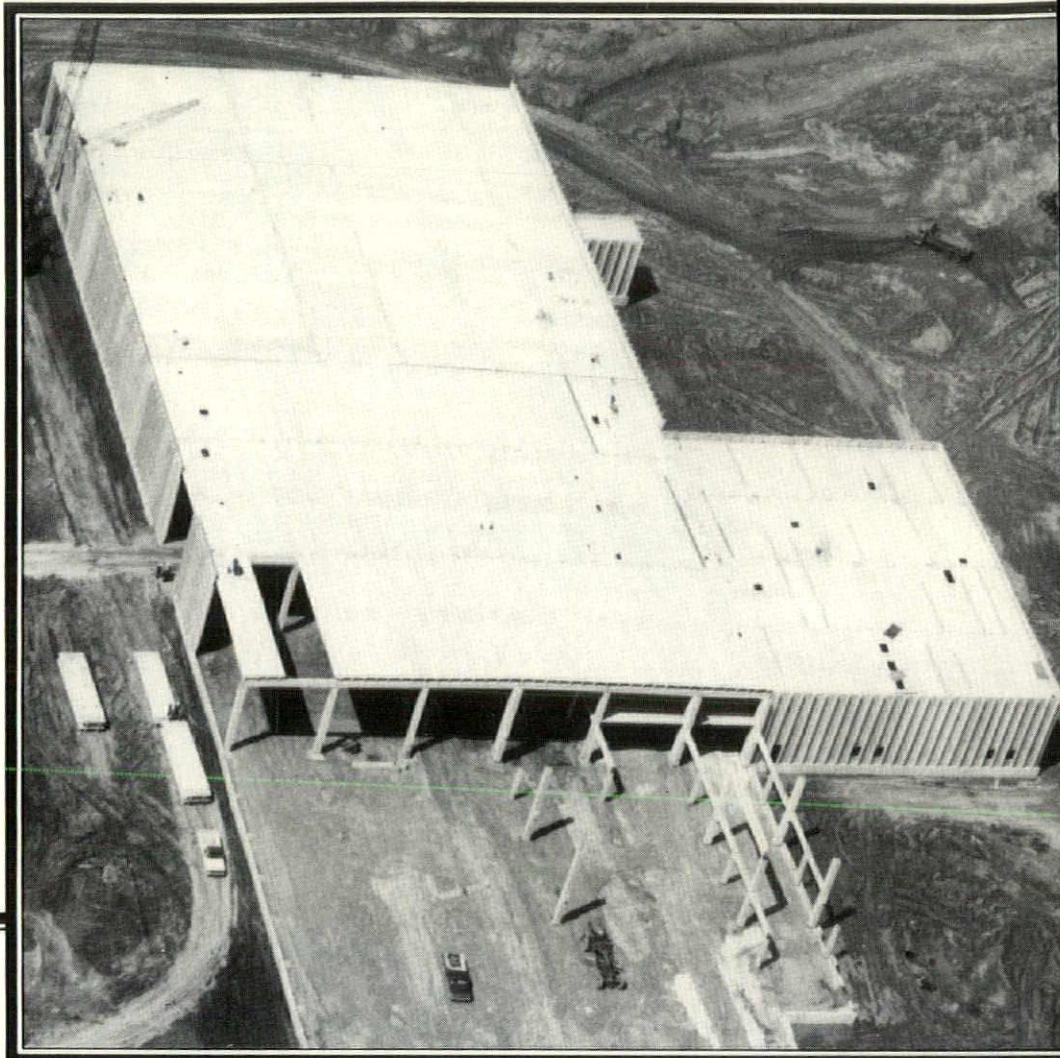
John S. Myers, Educator
for his commitment to architectural education and to acknowledge his part in the success and reputation that the design program at the University of Minnesota School of Architecture has achieved.

The Minneapolis Tribune
Charles Bailey, Editor
for its continued and expanding efforts to increase public understanding and awareness of architecture and the built environment.

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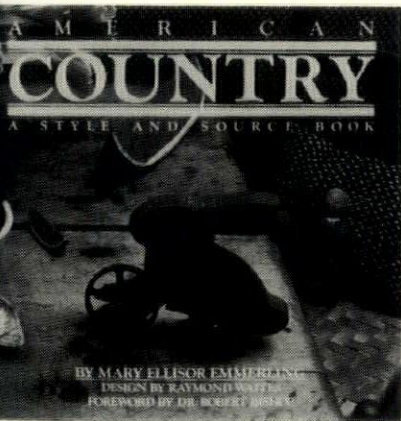
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Christmas at the Architectural Center

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While you're cozy, settle down with **American Country, A Style and Source Book** (30.00). Packed with ideas for your house or winter retreat, this book will evoke images of the past, in a delightful picture of the warmth, convenience and pleasure of country living adapted to modern life.

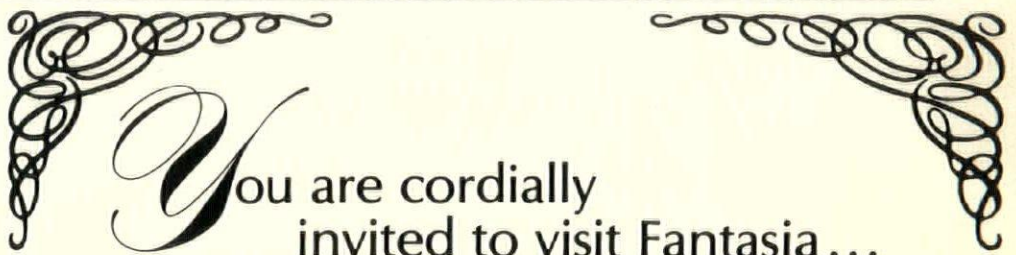


OK, you're relaxed and drowsy and . . . it's April 1, 1989. News of the purchase of the Empire State Building by "GRIP", the Greater Riyadh Institute of Petroleum, has shocked you back to an altered reality. Prince Ali Smith will have the Empire State Building dismantled, with all due respect to its historic value, and shipped to the Arabian Desert where it will be re-erected. Read about it in **Unbuilding**, (9.95) a new tale of the future from David Macaulay. While you're buzzing around in the future, take a giant step back into the past for your kids' Christmas needs. **A Day in the Zoo** (8.95), a reproduction of a Victorian pop-up book, is sure to cause delight and excitement.

Since you've obviously lost track of time, you will need several calendars to steer you back onto the right track. The **1981 Designers Calendar Planner** (4.95 or 5.95 in a tube ready for mailing), produced by MSAIA, highlights the dates of the 1981 AIA National Convention, to be held in the Twin Cities, and the 1981 dates for the MSAIA Convention in October. **Intergraph Architects and Designers Diary 1981** (13.95) is guaranteed to

keep you on time and organized for at least a year. Keep a pad of **Calendar Planner Worksheets** (5.95) by your desk for charting the progress of your project.

You must be exhausted from your travels. We suggest you try a Christmas bedtime story, **Sun Moon Star** (12.95) with illustrations first done by Ivan Chermayeff, and a text by Kurt Vonnegut which was added to the illustra-



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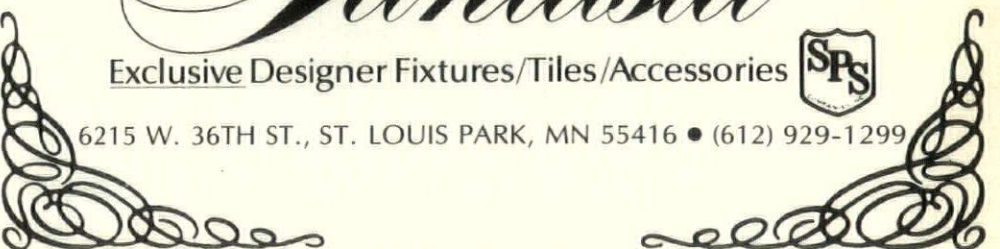
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Kurt Vonnegut & Ivan Chermayeff

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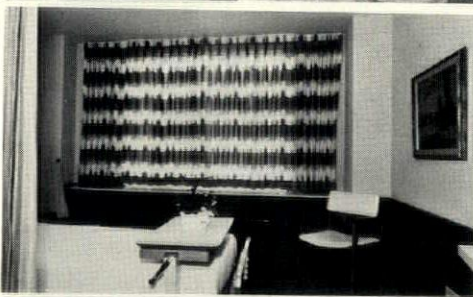
MARKETPLACE

Fred G. Anderson, Inc., specialists in wall covering, fine fabric, and paint, recently moved into a spacious new headquarters building at 5825 Excelsior Blvd., Minneapolis. The new structure was designed with special attention to customer service needs, and houses all of the Fred G. Anderson corporate offices, contract division showrooms, complete warehousing and distribution facilities, and an exciting wallcovering and decorating studio. Anderson's design staff worked in conjunction with Rauenhurst Corporation architects and engineers to create the building. A new feature of the paint center is Auto Tint, a micro-processor-controlled colorant dispenser that enables custom color-mixing more easily, quickly, and accurately than before. Fred G. Anderson has three other retail stores in Roseville, Southtown, and 50th and Washburn in South Minneapolis. The new headquarters telephone: 612/927-1800.



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1980 Publisher's Design Awards

The second annual Publisher's Design Awards Breakfast was held October 3rd at L'hotel de France as part of the 46th Annual MSAIA Convention. The awards were presented to representatives of 15 companies and their ad agencies for their excellent advertising in *Architecture Minnesota*. A committee of architects judged and selected outstanding ads in various size categories on the basis of design excellence and product information. Edward Sovik, FAIA, Chairman of the Architecture Minnesota Committee, spoke to the group about the magazine's growth and development and expressed the Society's appreciation for the advertisers' continued support of *Architecture Minnesota*. In addition, James Cramer, publisher, and Bernard Jacob, AIA, editor, presented a special award to St. Croix Press in appreciation for their excellent service and quality of printing. The 15 award winners are: Full Page, four color series- Kohler Company; full page, black and white series-Pella Products; full page, four color (Feb.) The J.B. Larson Associates; full page, four color (June) General Office Products Company; full page, four color (August) Photographic Specialties Inc.; full page, four color (October) Lowy Enterprises Inc.; full page, two color (August) Forms and Surfaces; full page, two color (October) Contemporary Design; 2/3 page, black & white (August) Snow-Larson Inc.; 1/2 page, two color (February) Bradford & Associates; 1/2 page, black & white

(June) Landesign, Inc.; 1/3 page, black & white (October) Artsign Materials Inc.; 1/6 page, black & white (October) H.A. Rogers Company; 1/6 page, black & white (Dec. '79) Mills Gallery.

1980 Convention Exhibit Booth Awards

Fifteen awards were presented to the most outstanding exhibit booths at the 46th Annual MSAIA Convention and Upper Midwest Design Exhibition held at the Radisson South Hotel, Bloomington, MN. October 1-3, 1980. 14 companies displayed their products in 164 exhibit booths over the three day convention which was attended by architects, specifiers, interior designers, landscape architects, contractors, engineers and developers. A committee of architects judged and selected the booths on the basis of excellent design and effective product presentation. Bronze plaques with the convention theme, Design for the Decade, and engraved with the winner's name, were awarded to the following companies: Empirehouse, Inc. (Best Exhibit); Architectural Surfaces (Best New Exhibit); General Office Products Company; Business Furniture, Inc.; Gene Smiley, Inc.; Hirshfield's; Photographic Specialties, Inc.; Structural Wood Corporation; Minnesota Tile Supply; Vincent Brass & Aluminum Snow-Larson, Inc.; Duratherm Window Corporation; Larsen Sign Systems; Artsign Materials, Inc; Capau Ceilings, Division of Acoustiflex Corporation.

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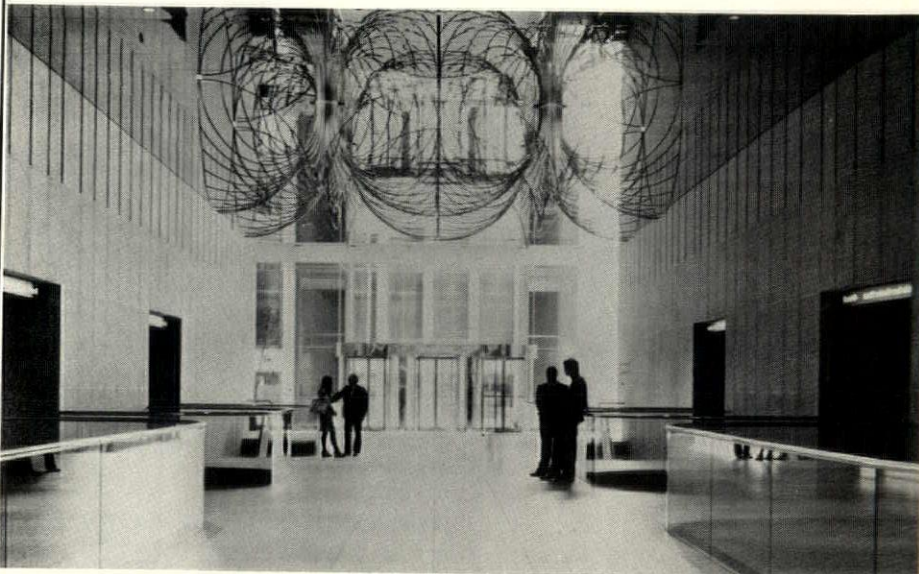
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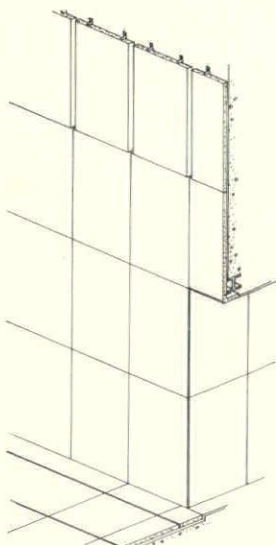
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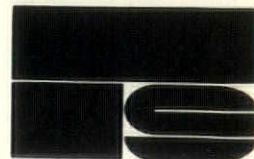
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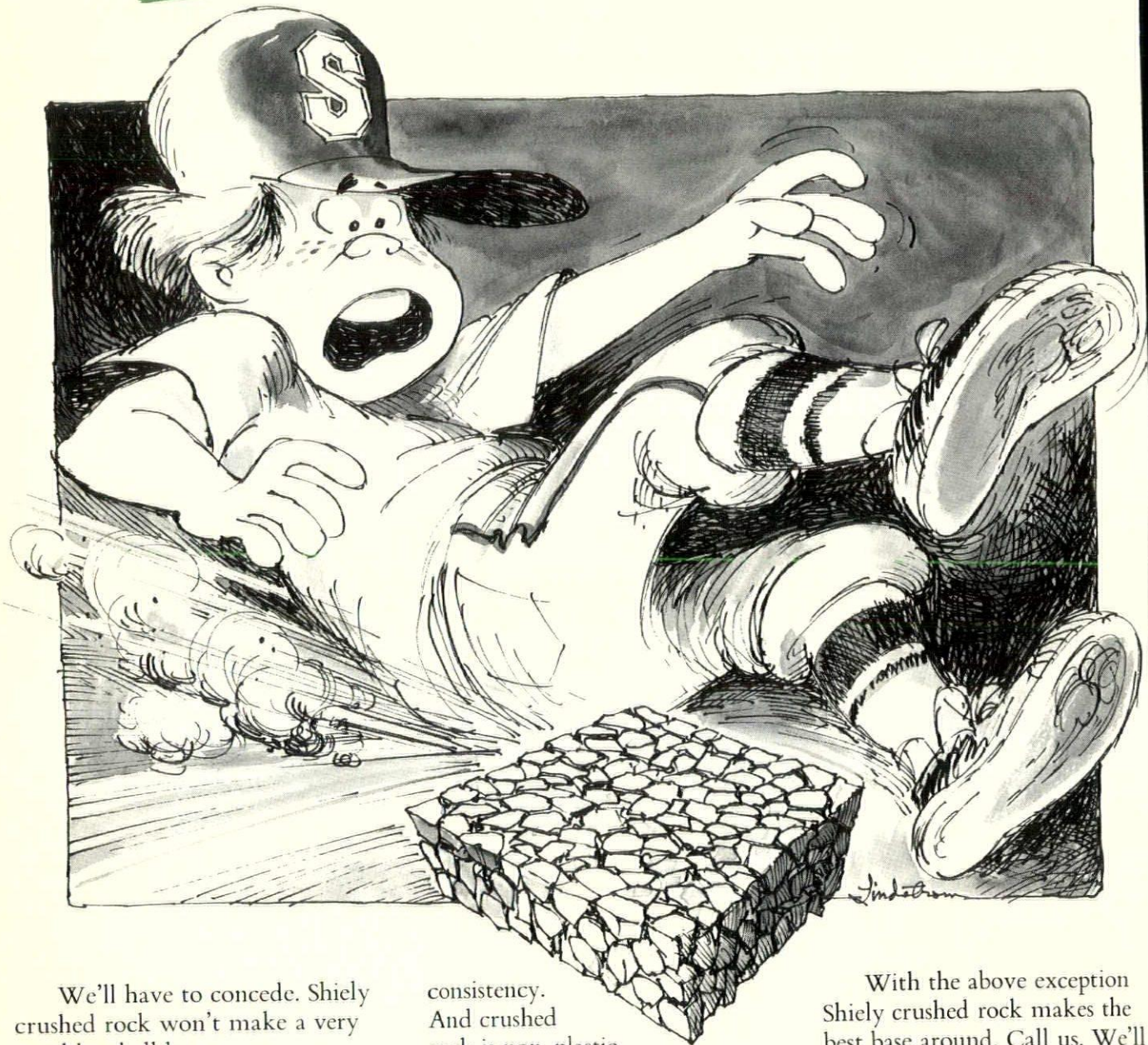
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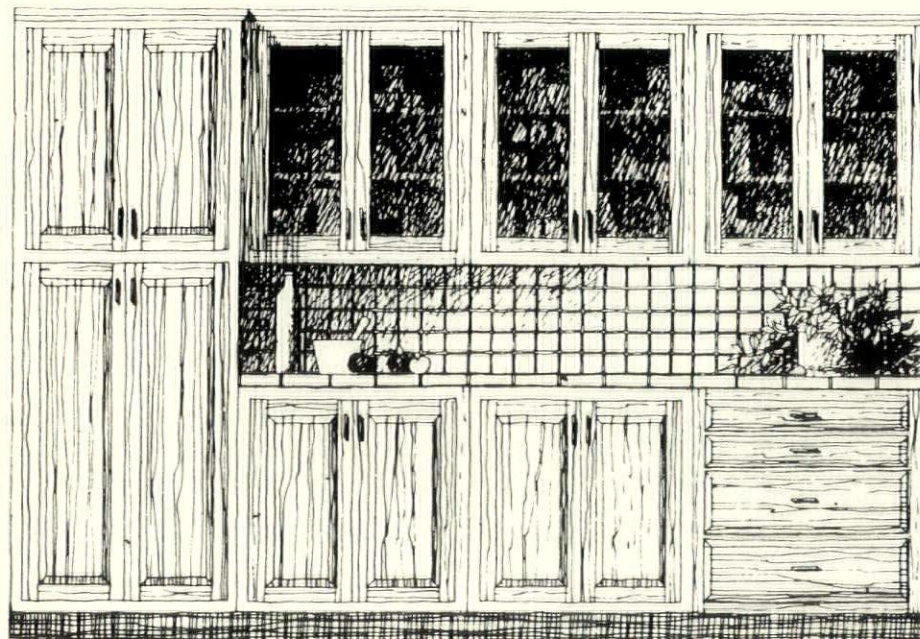
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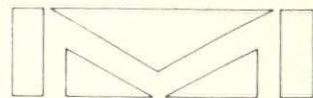


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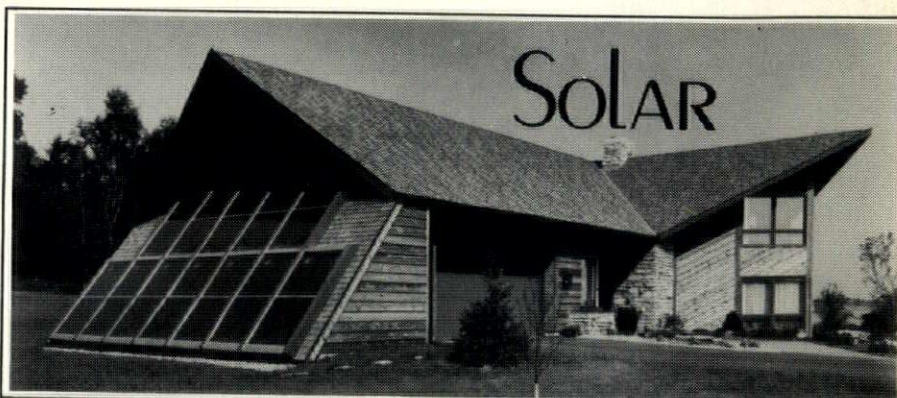
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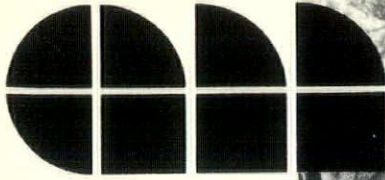
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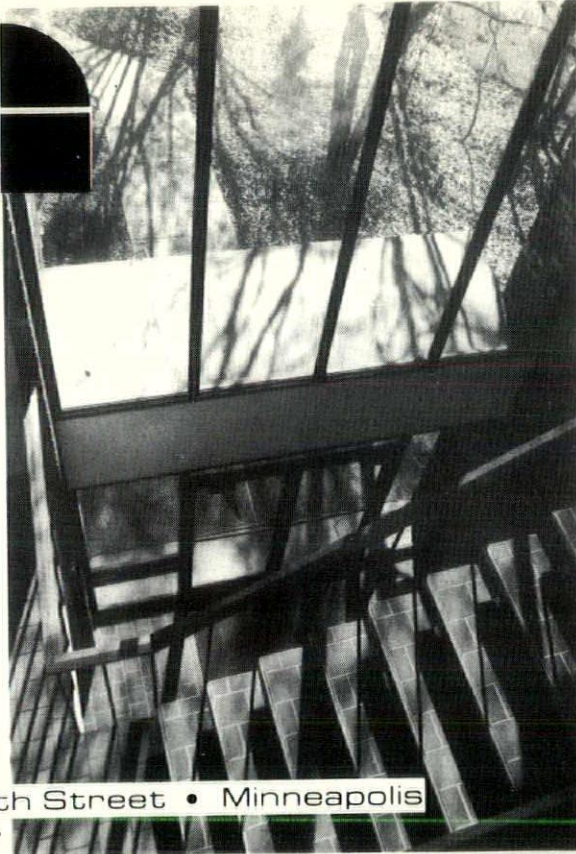


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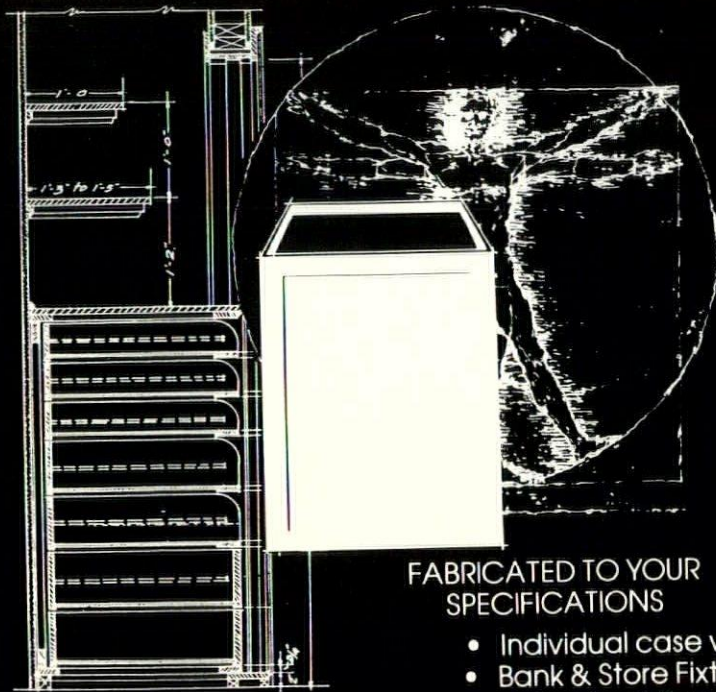
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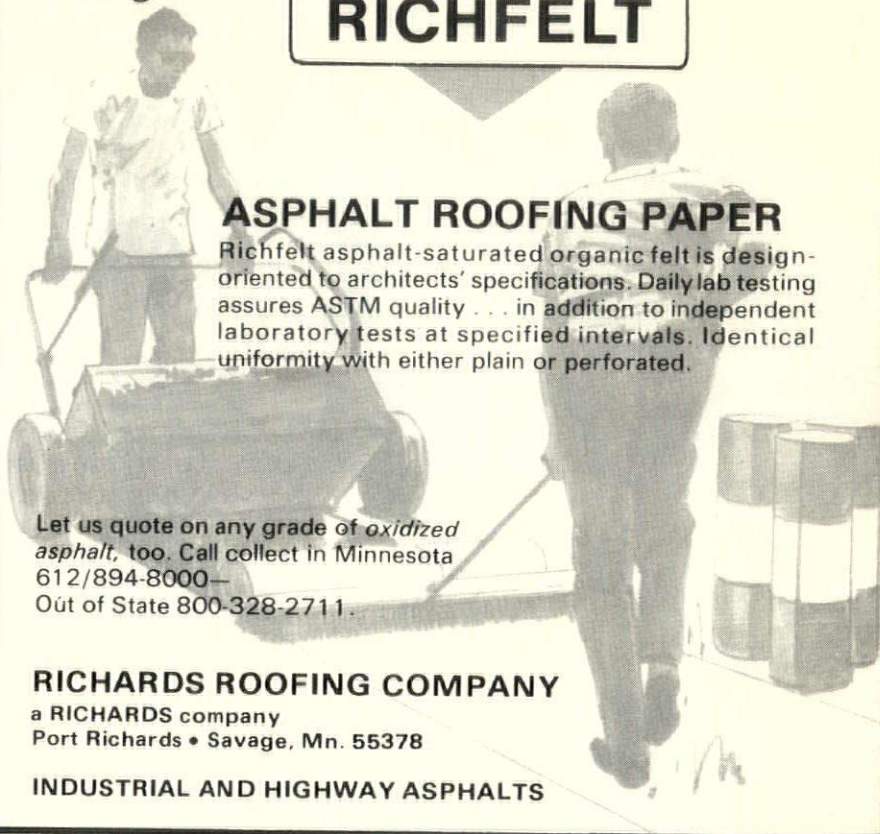
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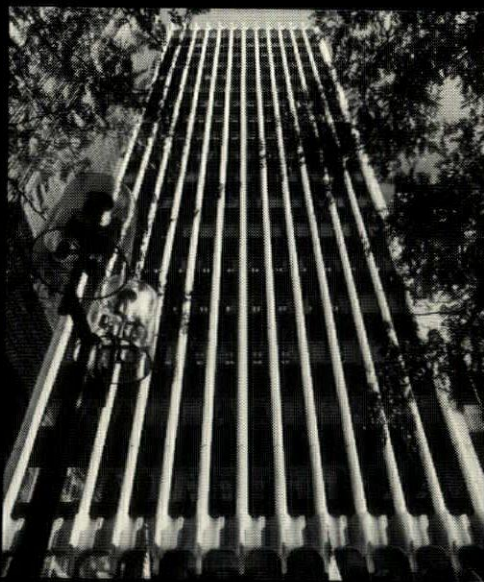
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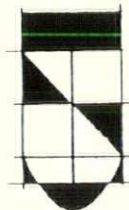
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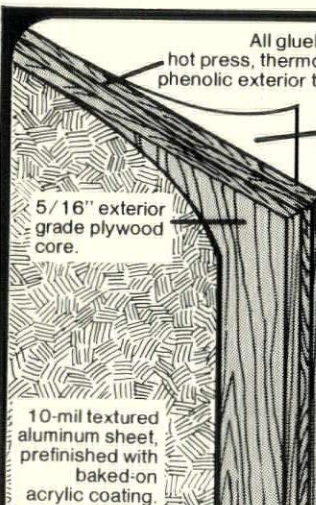
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Requests for Proposals, containing the scope of services and the proposal evaluation criteria, are available from the MHRA Purchasing Office, 790 Dupont Avenue North, Suite 437, Minneapolis, Minnesota after 4:30 P.M. local time, Monday, December 1, 1980.

Specimen documents, including the Standard form of Agreements between Owner and Architect, Outline Specification Form and the Public Housing Development Handbook, may be reviewed in the MHRA Housing Production Office, 1400 Park Avenue, Minneapolis during regular business hours.

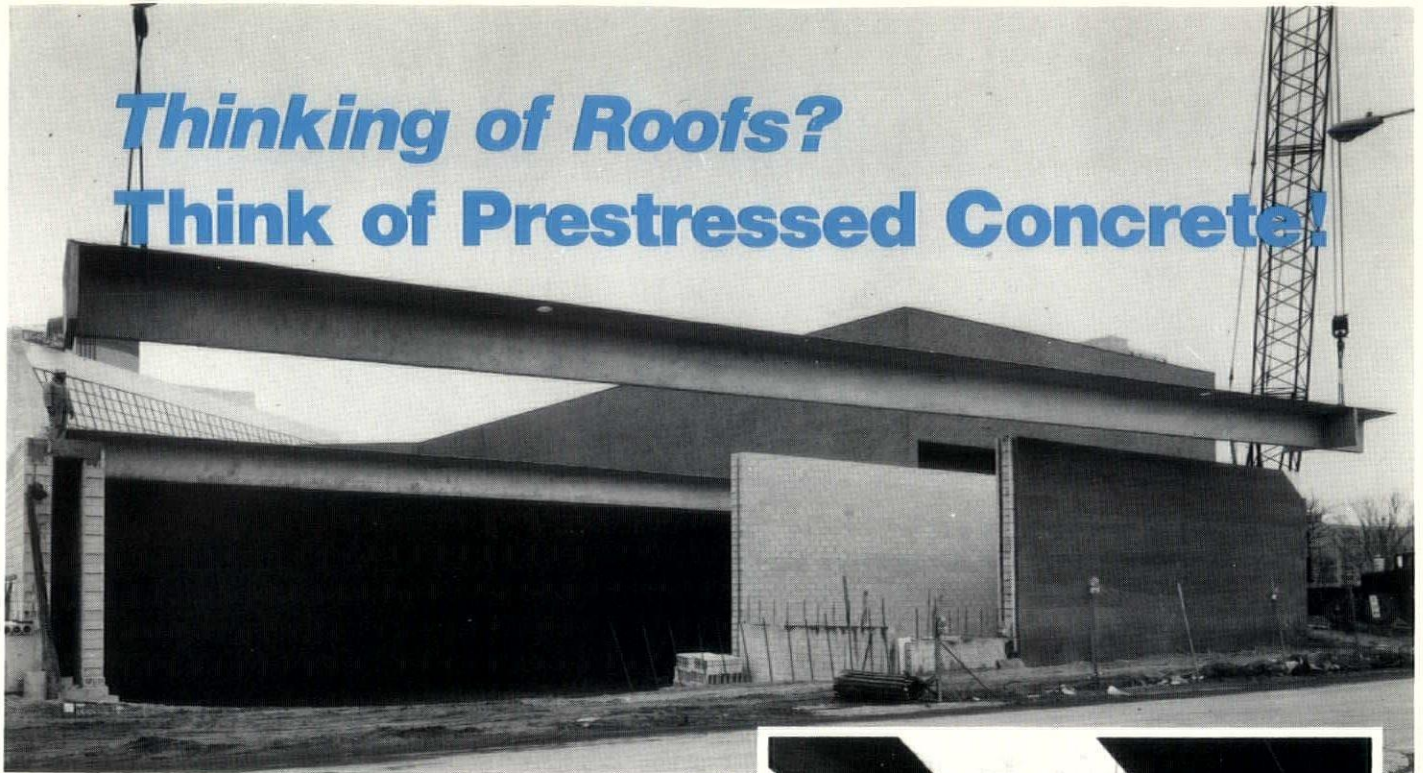
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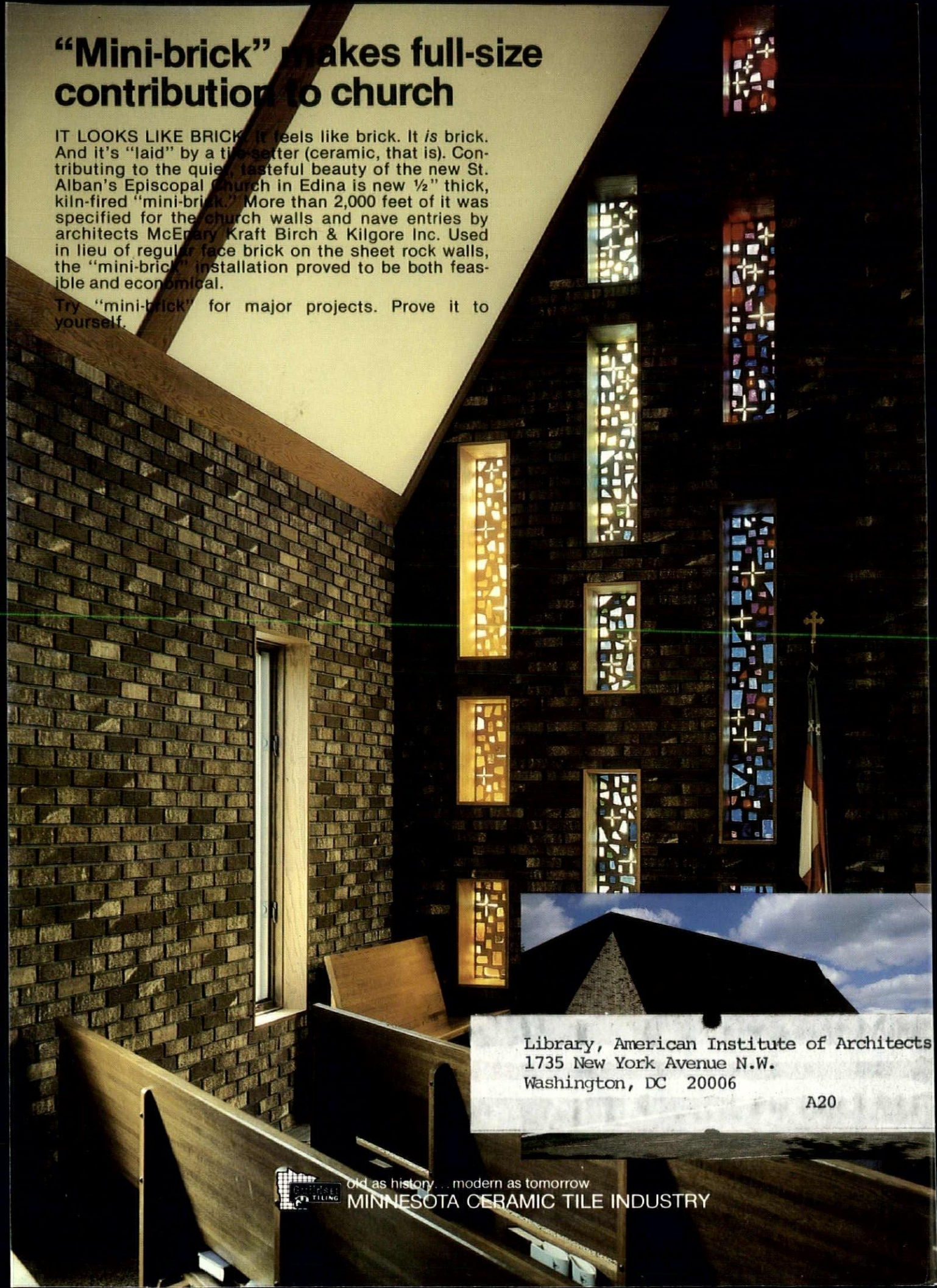
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