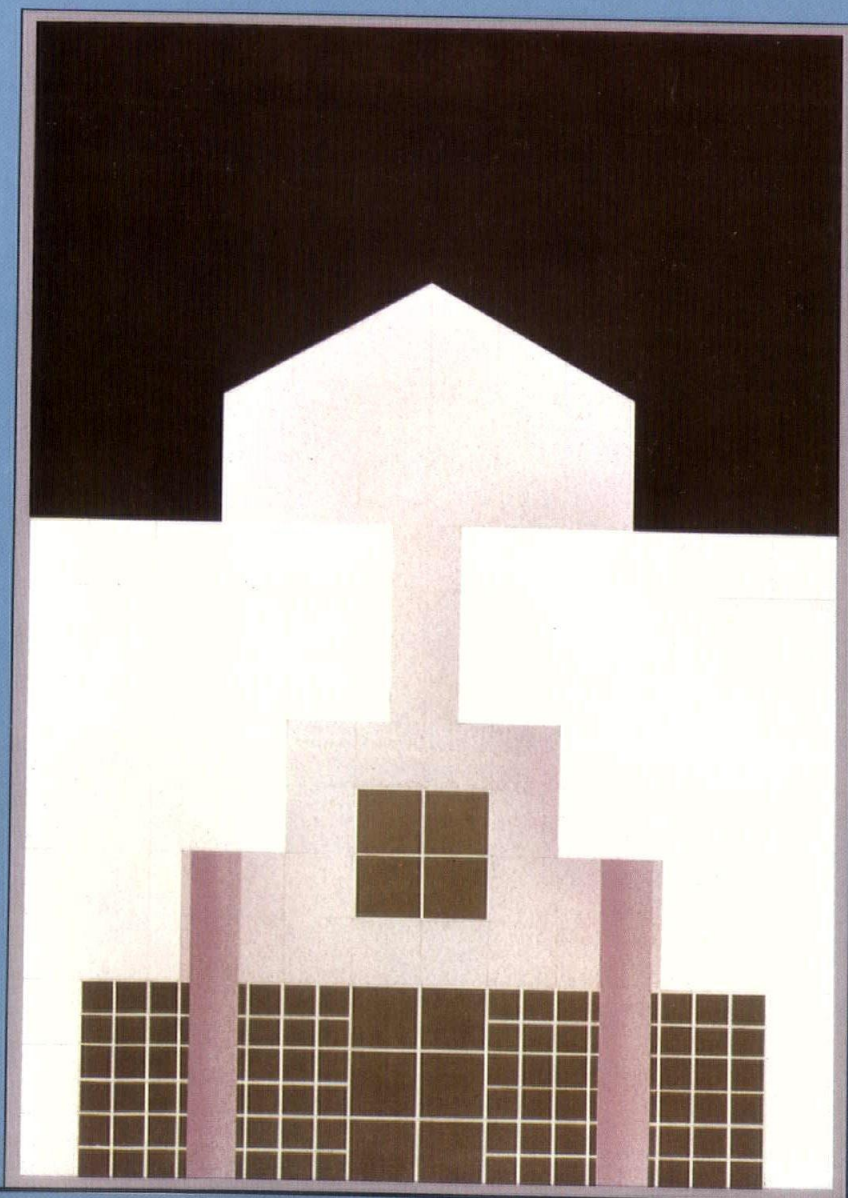


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Journal for Architecture and Planning August 1985, Volume 6, Number 3



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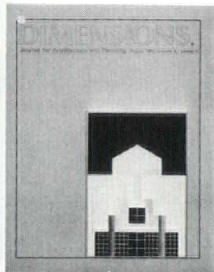
August 1985, Volume 6, Number 3

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On the cover

Original Artwork

by Stan Gove, UNL

graduate student

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Honor Award



Gold's Galleria
Bahr Vermeer & Haecker, Lincoln

Jury Comment:

Sensitive renovation of original department store (plus more recent additions) lets quality of original exterior shine through. The ground floor arcade or "pedestrian street" is well handled, with the shop fronts adding liveliness to a distinguished interior collonade formed by the columns and vaulted ceiling of the old store. The five story atrium is commendable in its handling of wall surfaces and lighting, avoiding both sterility and design trendiness.



Award of Merit

Nebraska National Bank
Bahr Vemeer & Haecker, Omaha

Jury Comment:

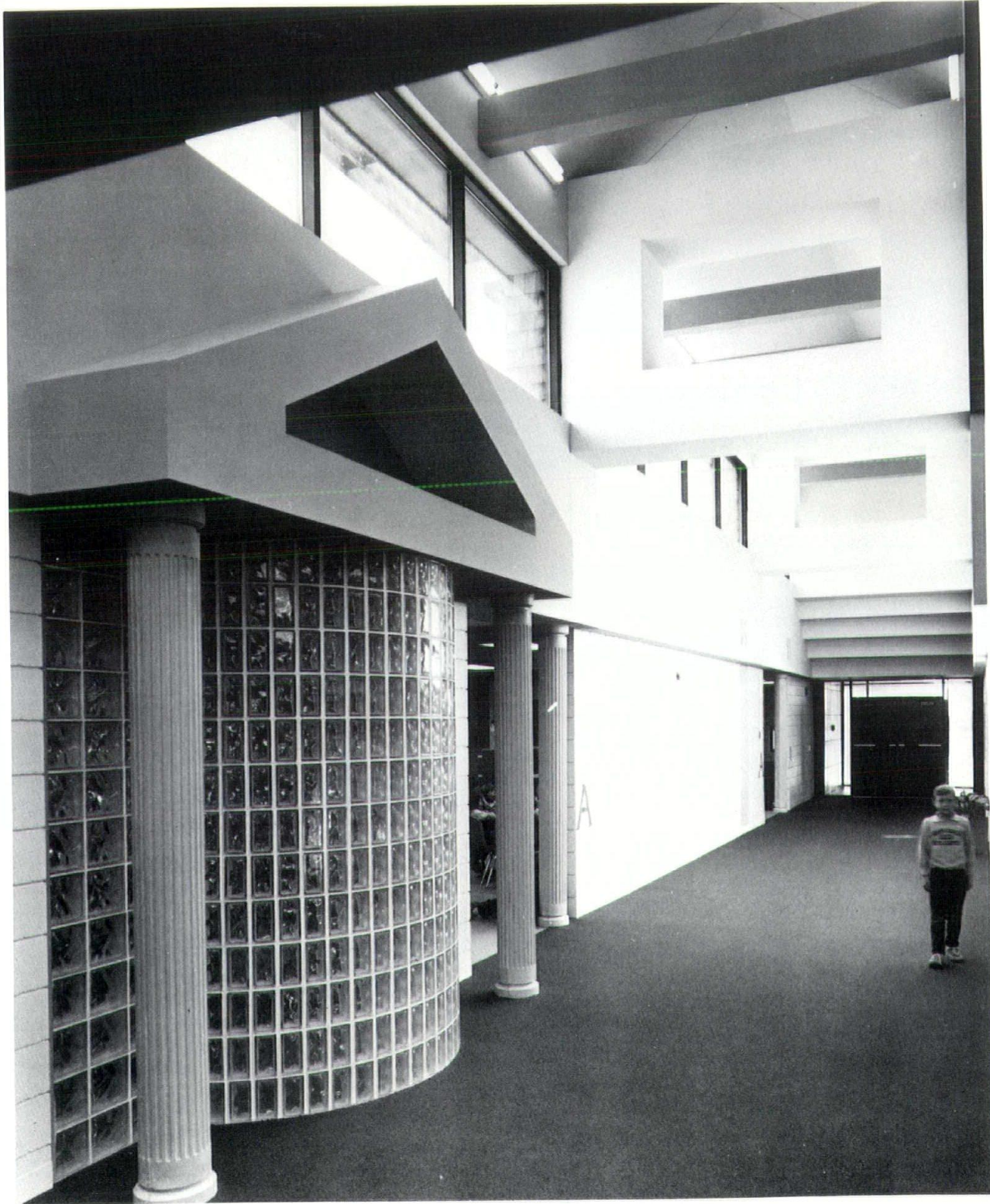
The main banking room was admired by the jury for possessing qualities that characterized the banking spaces of Louis Sullivan's great series of small banks in the Midwest. The patterned tile floor and surrounding arch treatment under the central skylight provided a special spatial and textural experience for bank visitors.

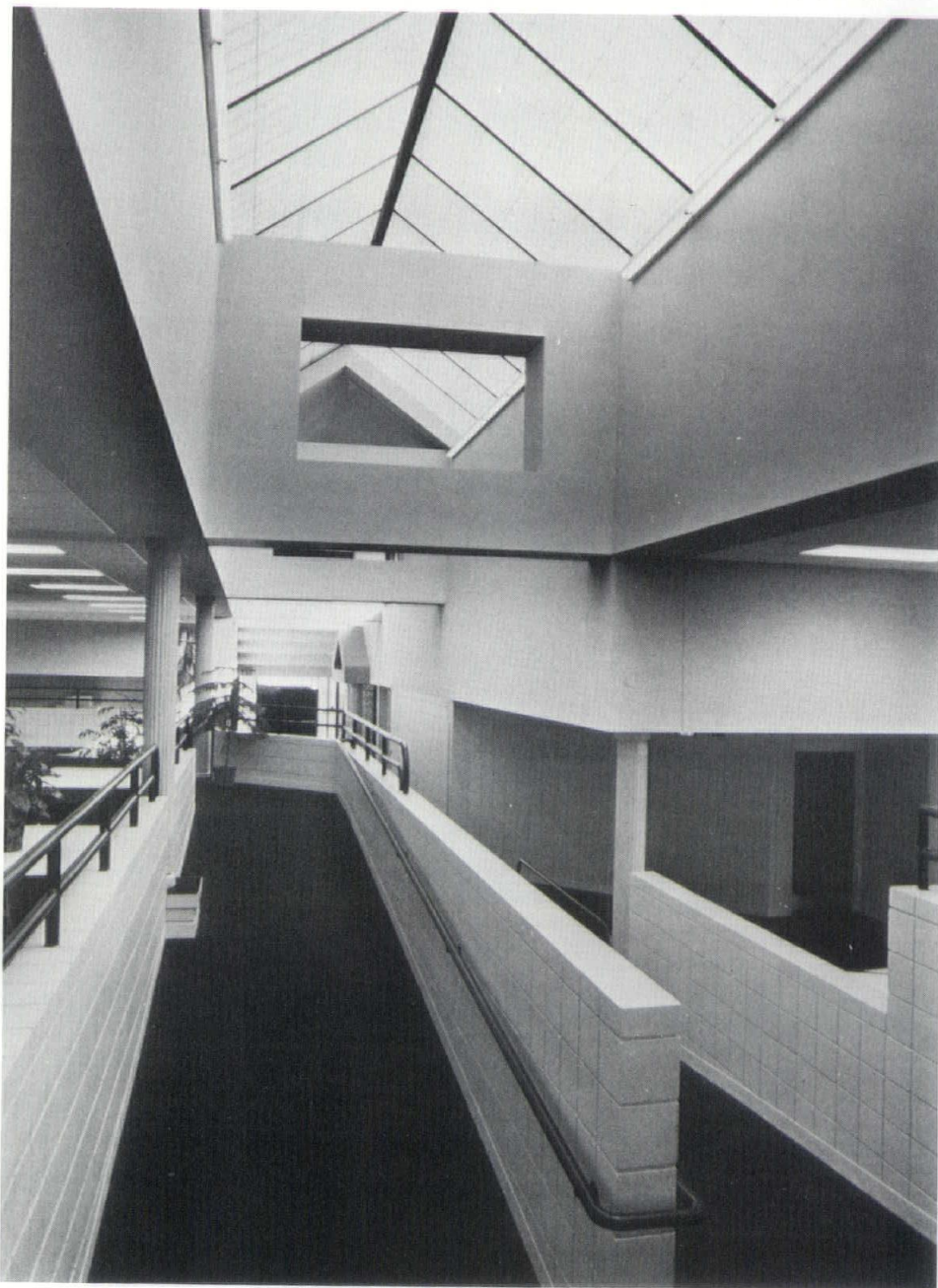




Award of Merit

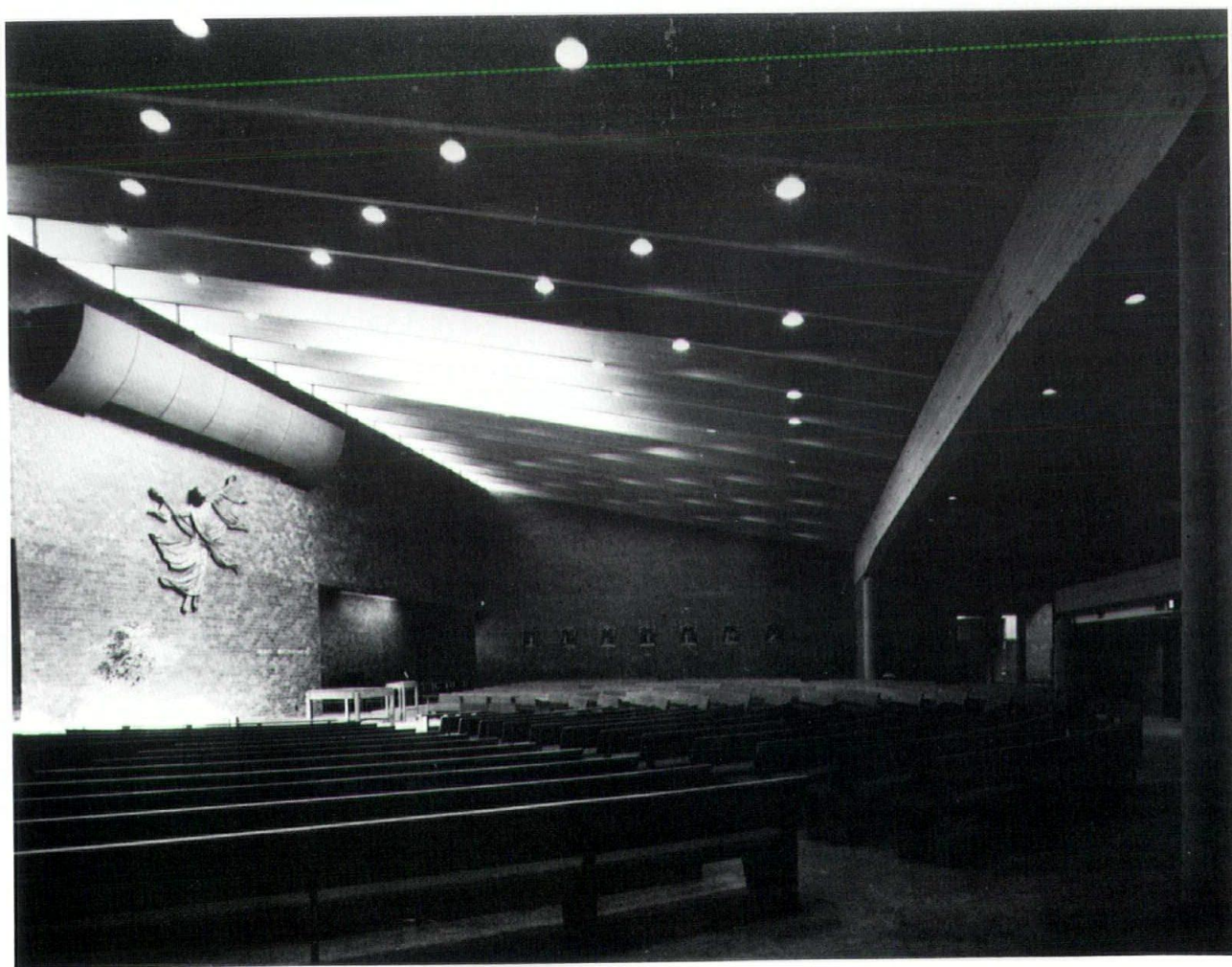
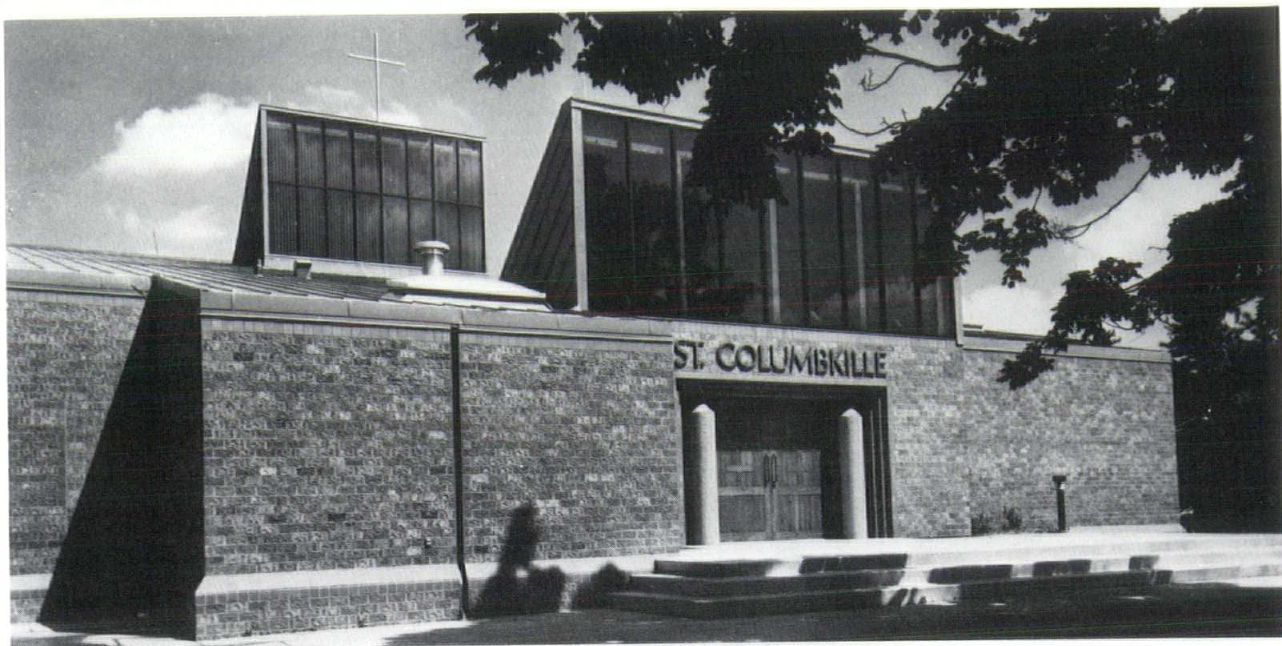
Fredstrom Elementary School
Clark Enerson Partners





Jury Comment:

The massing and variegated use of cladding materials of this school makes it an interesting and textured complex that is right in scale and feeling for its neighborhood setting. The areas most used by children are singularly good; right in scale and approachability for little beings. The interior design details verge toward the post-modern, but stop fortunately short of stepping over the trendy line.



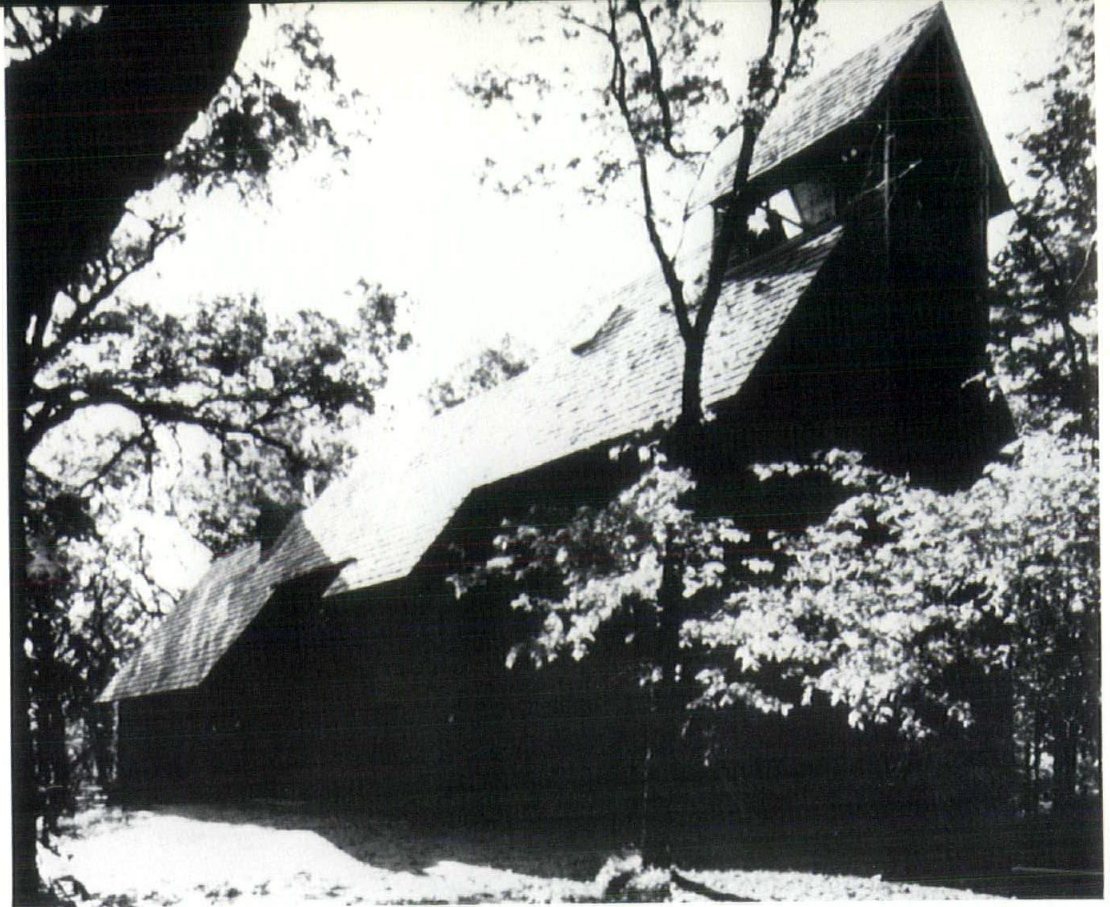
Honor Award
Masonry Award

St. Columbkille Catholic Church
Bahr Vermeer & Haecker, Omaha

Jury Comment:

A welcoming and dignified church, richly designed in a limited palette of masonry and wood. The sequence of spaces from the entry court through the narthex into the sanctuary is modulated into a dramatic experience thanks to the sensitive handling of space and light. Roof monitors wash light over the textured brick wall behind the altar, giving an appropriate sense of "awe" for the congregation. In addition to an Honor Award, the expert use and detailing of the brickwork calls for the Masonry Award.





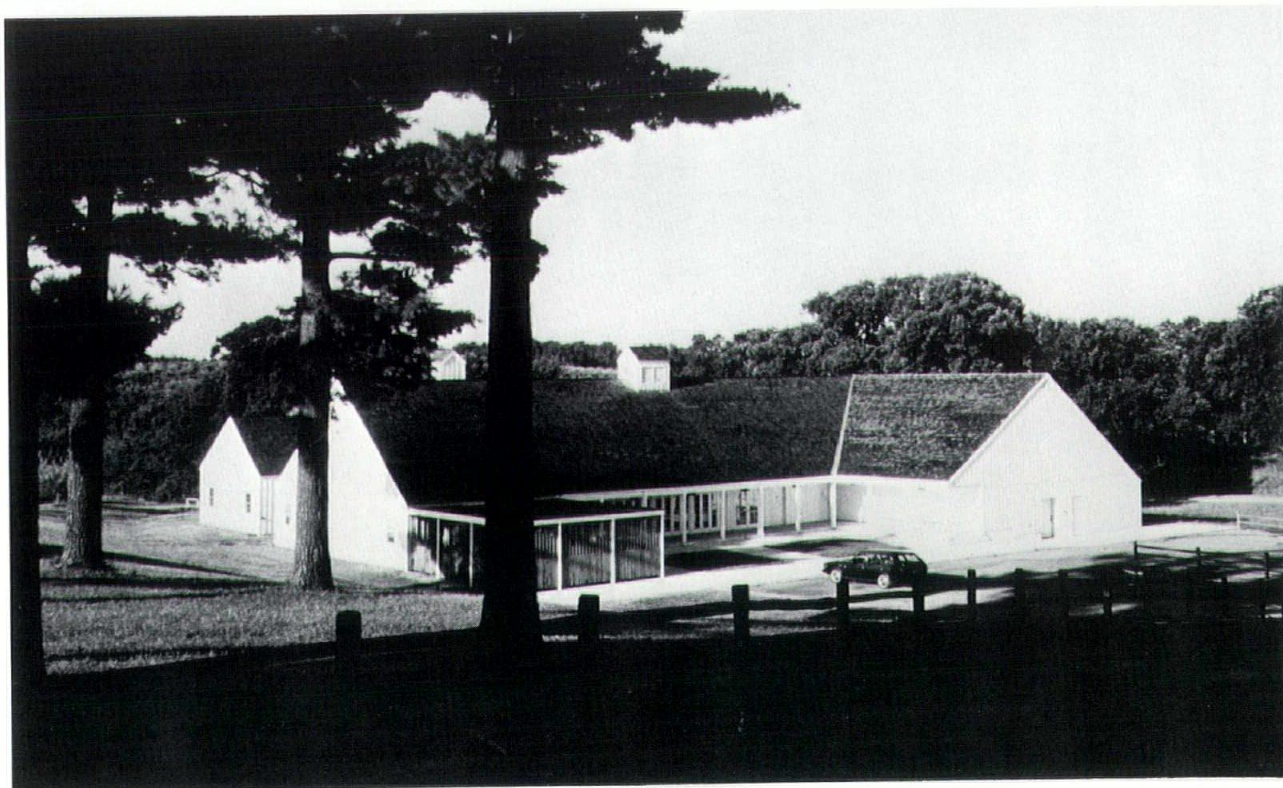
Award of Merit

Schneider/Reichstadt Residence Bahr Vermeer & Haecker, Omaha

Jury Comment:

The jury took to calling this the "German house," because of the qualities it evokes of design and cultural approaches transported to the American Midwest from Europe. It is also a handsome evocation of the sturdy brick residences built in this area 50-60 years ago, in which many Nebraska architects grew up. The Wrightean response to the vertical accents of the wooded site is admirable.





Honor Award

Apple House Clark Enerson Partners



Jury Comment:

This is a delightful and unassuming display of the regional rural building vernacular of barn, shed and work building, crisply painted white. It is modest in the best sense, confident in what it is and exhibiting no grandiose design "statements." The site plan is particularly good. When filled with visitors, an apple harvest, and autumn colors, the effect will be even more enhanced.

Honor Award

Norfolk Junior High School Auditorium Refurbishing Davis/Fenton/Stange/Darling

Jury Comment:

Praise is due the restoration architect for convincing the client to restore this handsome space instead of remodelling it and obliterating its qualities. The great space has been retained for school and community use; the jury predicts assemblies here will linger in alumni memories a long time. Retention and repair of original art and seating structures is commendable. The architect is to be complimented for a singular lack of ego display in accomplishing this restoration.





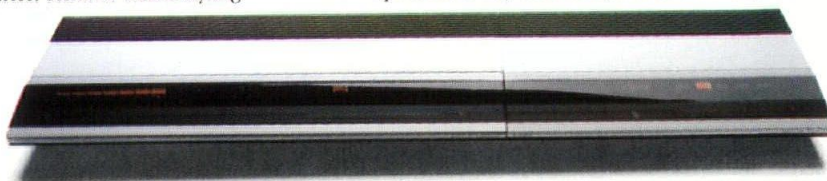
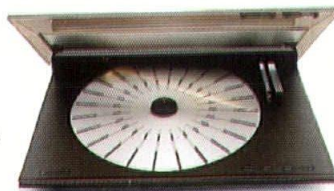
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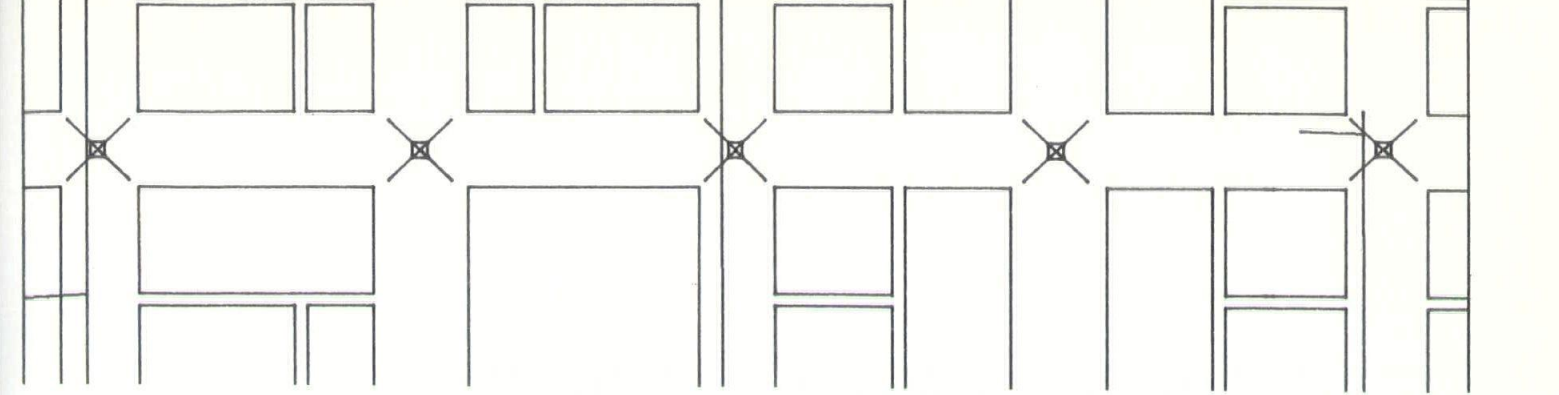
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The Coming of Age of CAD

by N. Brito Mutunayagam and Lisa L. Price

Until very recently, Computer Aided Design, or CAD as it is popularly known, has been considered an expensive luxury for the conduct of design and planning tasks. The typical minicomputer based CAD work station used to cost in excess of \$40,000. This rendered the technology affordable to only a very select few among the larger design and planning firms. The high price tag and the smaller market for CAD specialists made the acquisition of CAD technology by most schools of architecture for teaching design and planning unfeasible and uneconomical. The advent of the relatively inexpensive microcomputer together with the increasing availability of industry-standard CAD software at prices below \$2500 has dramatically altered this scenario. There is a rapidly increasing demand for trained professionals who are experienced in the use of CAD equipment and software in design and planning applications. Consequently, education and training in the applications of CAD are rapidly being introduced into planning and design curricula to equip students with the skills and experience in the use of CAD, to meet these demands.

The College of Architecture at the University of Nebraska-Lincoln recently made the initial breakthrough by initiating investigative research into the applications of microcomputer based CAD software in urban planning and architectural design. The year long research conducted by the authors under the joint auspices of the Layman Fund and a Professional Development Grant from the College of Architecture culminated in the formulation and testing of procedures and processes for computer aided drafting which could be applied to typical design and planning applications. These procedures and processes

became the topic of a 3 week workshop on "Computer Graphics Applications in Planning and Design" conducted by Professor Mutunayagam, and assisted by Ms. Price in the Summer of 1985 at the University.

During the three-week period, 14 students were introduced to the principles and techniques of microcomputer graphics. AutoCAD™, one of the more popular microcomputer based CAD software packages was then presented. The procedures and processes of computer aided drafting that sensitized AutoCAD to urban planning and architectural design were demonstrated. Opportunities were provided for students to secure hands-on familiarity and working experience with the software routines, procedures and processes in some basic exercises.

Equipped with this training, students proceeded to apply their training to three term projects. Two groups of four graduate students each, from the Architecture program were assigned the task of designing hotels of 144 and 176 rooms, respectively. The design programs for the above hotels were drawn up in consultation with Professor Homer Puderbaugh. One group of five graduate students from the Community and Regional Planning program were assigned the task of creating a comprehensive graphic data base of a twelve-block area in downtown Lincoln, within which the hotel projects could be located. Ms. Price served as team coordinator and software consultant for the projects.

The student groups worked virtually round the clock on three microcomputers and completed their respective projects within a ten-day duration. In the process, they negotiated and successfully overcame the pressures of working in teams, operating in shifts,

adhering to a very tight plotting schedule and machine down time, all of which are very characteristic situations encountered in professional practice.

The success of the Summer workshop signals the commencement of a new era of specialty and sophistication in the Architecture and Community and Regional Planning Programs at the College of Architecture. The workshop demonstrates the readiness of the College of Architecture to venture into the new domain of Computer Aided Design and drafting with confidence. The practical training imparted at the workshop has substantially increased the productivity and expertise of incumbents in the use of contemporary computer technology in planning and design applications. Consequently, it has also enhanced their marketability and competitive edge in the professional market place.

Computer Aided Design in the College of Architecture is expected to enter a new phase of development and growth in the forthcoming academic year 1985-86, with the acquisition and installation of a CALCOMP™ CAD system. The system was donated to the College of Architecture by CALCOMP Inc., one of the leading manufacturers of CAD hardware and software in the country. Professor Mutunayagam and Professor Puderbaugh will be undergoing special training on the system with CALCOMP, and may be expected to spearhead the teaching, research and outreach missions associated with the use of CAD in Community and Regional Planning and Architecture applications in the years ahead.

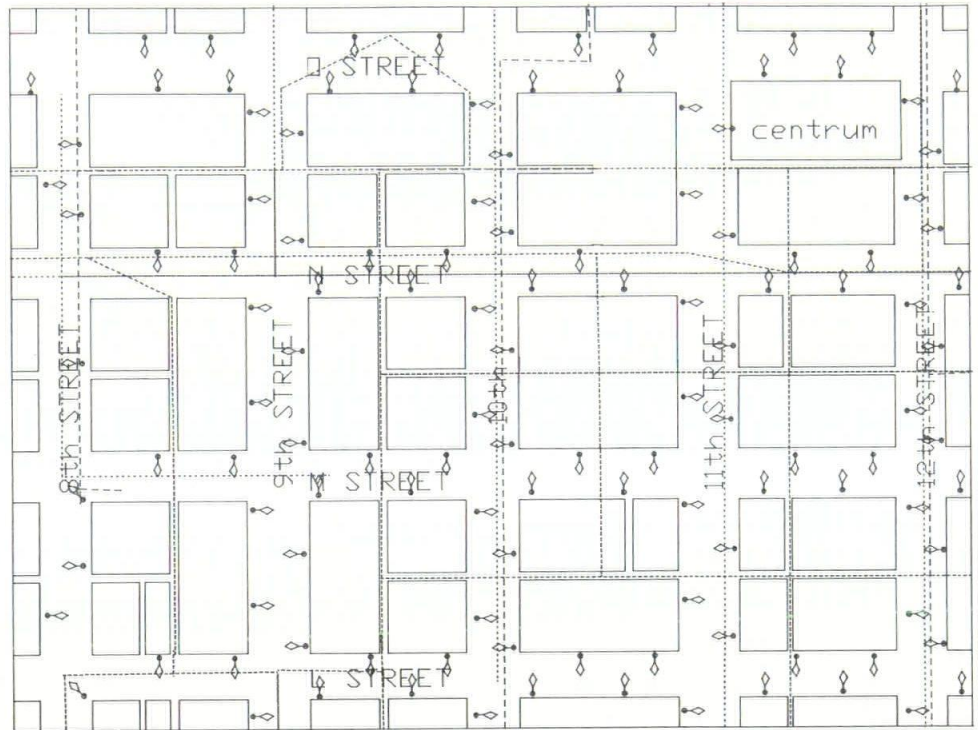
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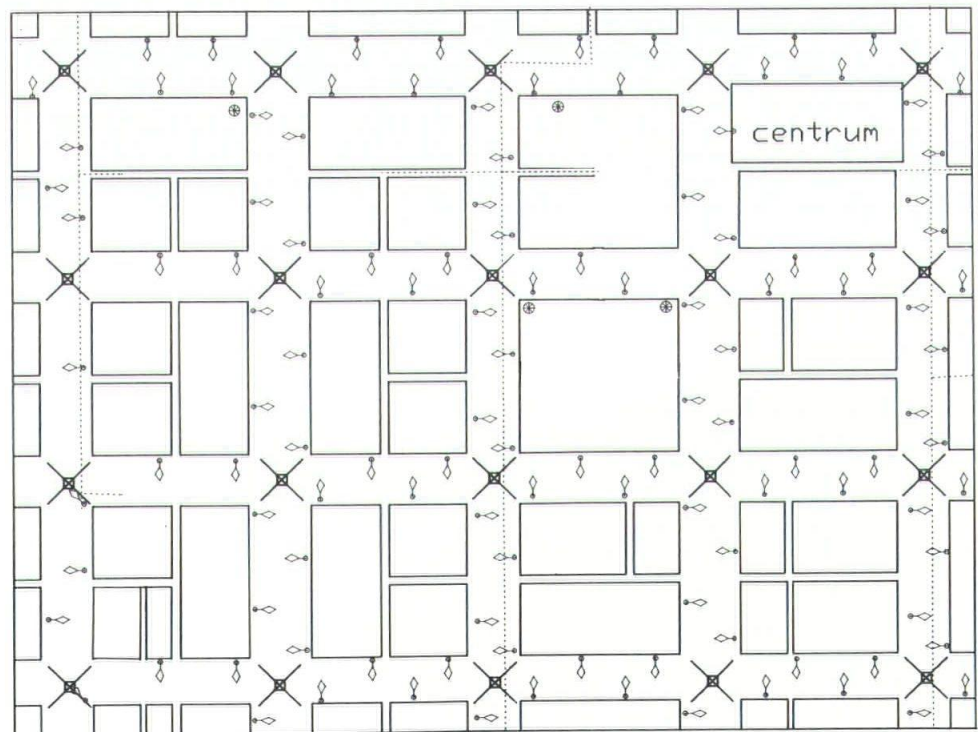
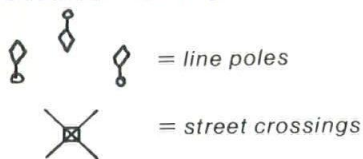
Professor N. Brito Mutunayagam
Assistant Lisa L. Price

Students:

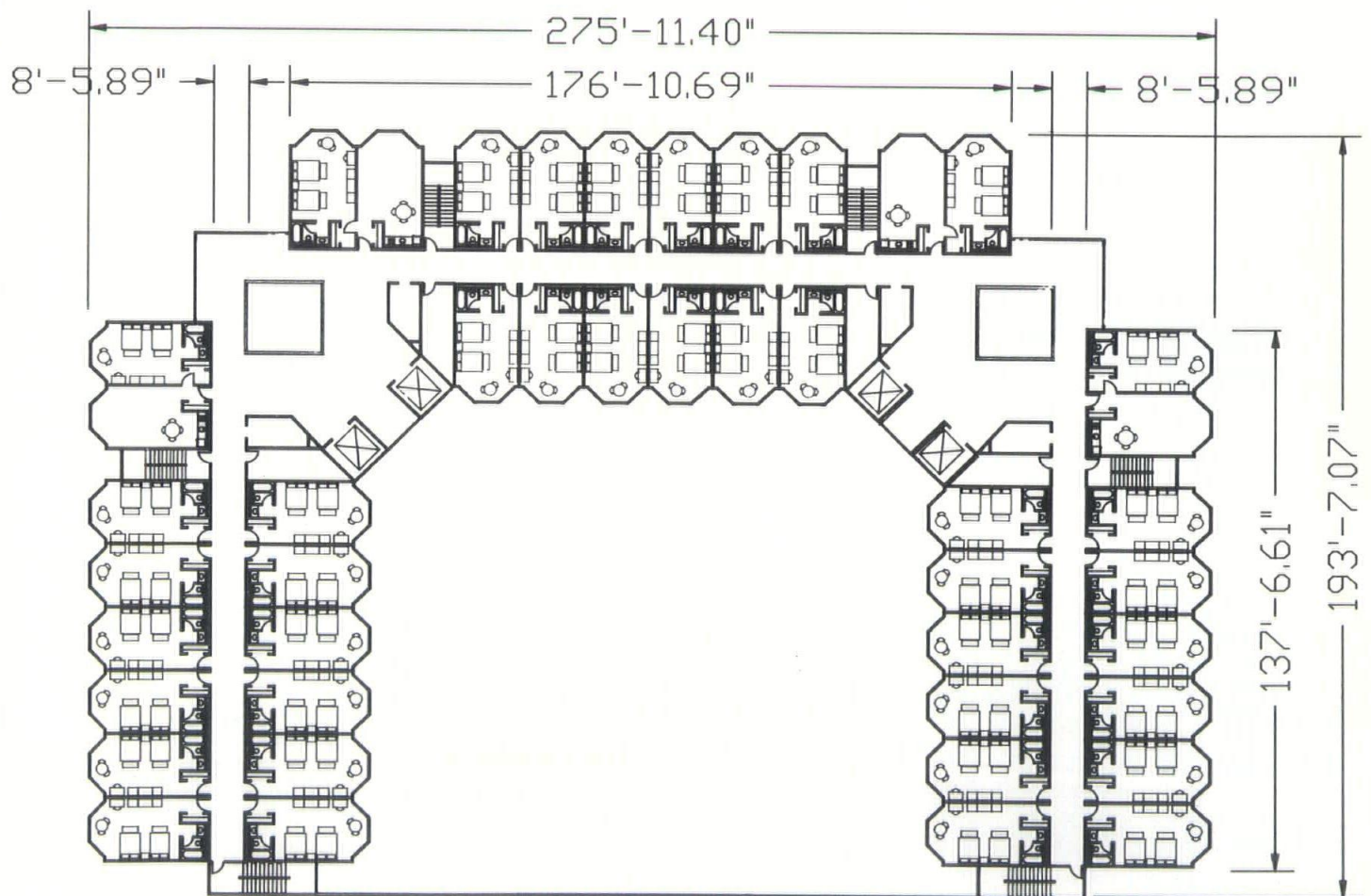
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 Fahmi El Haddad
 Sheryl Geschwender
 Miguel Hernandez
 James Krajnik
 David Lewis
 Mike Marsh
 Phil Mundt
 Mike Munson
 Paul Patterson
 Ron Powell
 Val Ronis
 Mike Schmidt



These drawings are of the layout of downtown Lincoln. Above: The dotted lines connote storm sewer systems. The solid lines connote sanitary sewer systems. The broken lines connote electrical lines. Below is a rendering of the electrical lines only.



Design Graphics/graphic design
Computer Graphic Applications in Design & Planning

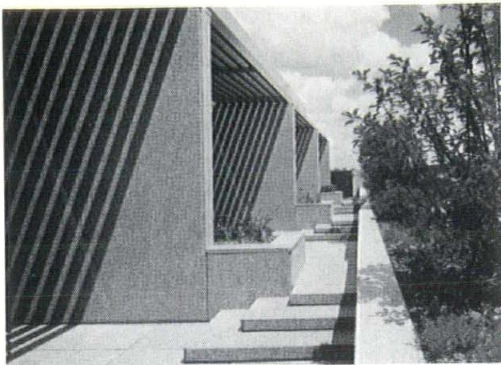


TYPICAL GUEST ROOM FLOOR

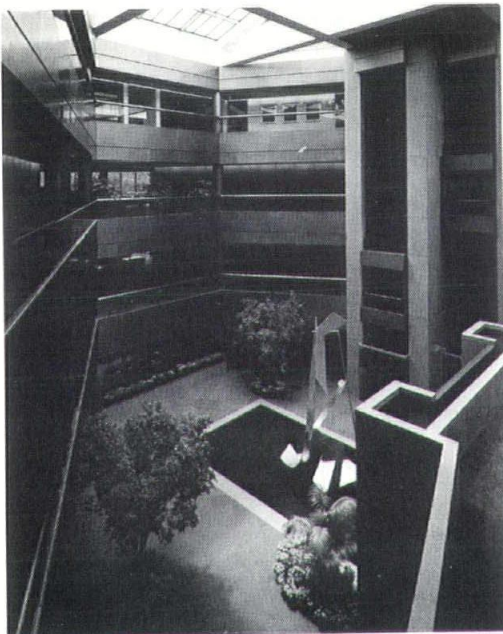
Scale: 1/16" = 1'-0"

A Corporate Decision for Barrier Free Design

by Ernest O. Moore, D.Arch, AIA



Private offices on level five offer access to small terraced gardens.



The Atrium brings light and space to the core of the building.

When the Steelcase Corporation occupied their new headquarters building in Grand Rapids, Michigan, it was a unique event. Not only is Steelcase Corporation premiere in the office furniture design and manufacturing business, they were one of the first corporations in the country to take a positive and aggressive stand toward making their building barrier free.

By law, public buildings are now required to meet local barrier free code minimums. Steelcase Corporation chose to go well beyond meeting code minimums. Their goal was to make their building barrier free in the true spirit of the meaning "Barrier Free".

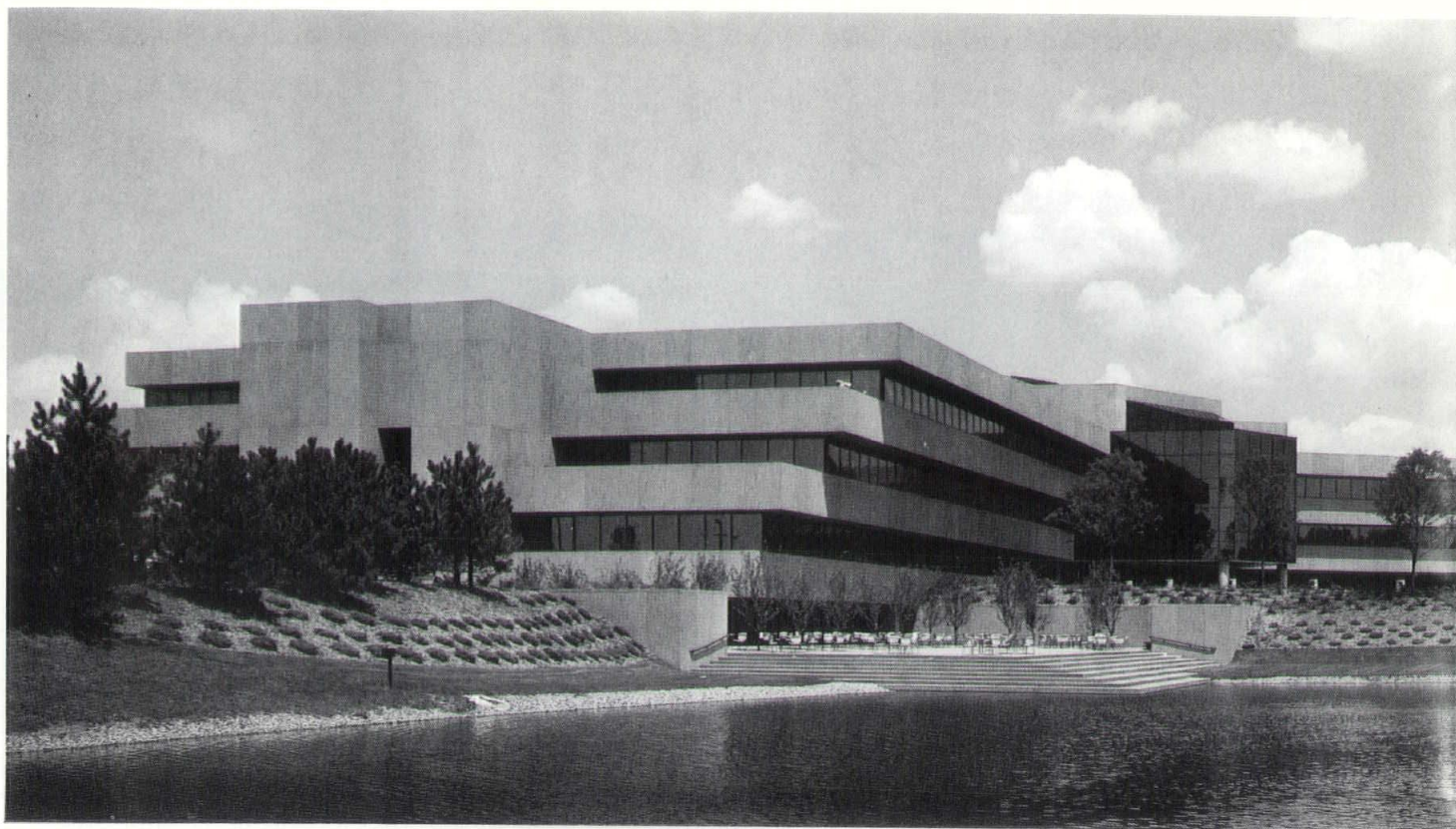
From the time a decision was made to design and build their new headquarters building, the corporate management was committed to a barrier free environment. Steelcase management expressed a sensitive concern for all who might come to the headquarters building. This concern extended to employees and their family members, visitors touring the building, and clients. Based upon work done by the author on design consultation for other special populations, Wayne Pierce, Steelcase manager of business methods engaged Dr. Ernest Moore, Chairman of the Department of Architecture, as consultant to the corporation. Through a series of conferences with various department heads and operations managers an overall understanding and concept for achieving the desired level of a barrier free environment was developed.

The various potential handicaps that might be experienced by employees or visitors were enumerated and described. From these profiles of building users, descriptions of daily and emergency activities were developed. These started with the user's departure from home to his/her

arrival at the property line of the site, progressed through a day's activities in the building and culminated in the person's return home. Only through a complete tracking of the total daily activity sequence can we effectively identify potential barriers. Codes seldom address the more subtle aspects of physical barriers such as multiple elevator banks and appropriate lead times for floor arrival annunciators, or the reach limits in cafeteria self-serve lines. The problems of food tray handling in a scramble design cafeteria for those on crutches or wheel chairs are not considered in most codes. The list goes on.

The life-safety systems of a building presents special problems for handicapped persons in multi-story structures. Beginning with alarm systems, it is necessary to employ multi-sensory modes to ensure all occupants will be alerted to a fire situation. A strategy which utilized both audible and visual cues was recommended. The evacuation of the building also required special considerations. The ability for people with mobility handicaps to reach a place of safety suggested modifying the design of exit stair landings. By careful arrangement of doors opening to safe stairwells and enlarging the landing areas, space was made for wheel chair bound people to reach a safe sanctuary. Annunciator panels at each floor in the stairwell provided a means to alert fire fighters that a handicapped person was awaiting assistance.

Elevators are frequently intimidating to the elderly and handicapped. Where multiple elevators are banked close together, the arrival of a car at a particular floor may occur with little or no warning. This may give the handicapped person insufficient time to move to the correct door opening before the doors to the car close. Visually impaired persons may not be



Form follows function in the design of the building and landscape.

close enough to the elevator door to check floor levels in order to know when to leave the elevator. In the Steelcase building special annunciators for car arrivals, appropriately timed door openings and voice announcers for floor arrivals were incorporated to assist the mobility and visually impaired.

The presentation theater used for product introduction, and in-service training as well as sales promotions received the same attention to detail as other segments of the building. Gentle slopes were provided in the aisles and spaces for wheel chair seating were provided at prime locations.

Entry doors to the building were provided with automatic openers to compensate for differential air pressure between interior and exterior. This also applied to inner doors of vestibules. Extra space was provided in all entry vestibules to allow ample room for door swings and clearance for wheel chairs.

Particular attention was given to the cafeteria serving and eating areas. Manipulating a wheel chair or crutches while managing a serving tray and a variety of dishes presents unique problems. Careful measurement of counter heights and reaching distances were critical. Alternatives were weighed as to whether special

trays adaptable to wheel chairs or the use of dining room staff as assistants would be the best strategy. Decisions were generally made on the basis of giving the user maximum self-control and independence.

Obviously toilet rooms were also given careful attention. To the handicapped person, the restroom can create the greatest barrier to independence and privacy. It is here that the handicapped may feel the most self-conscious and also be in need of the maximum supportive environment. Most codes provide for the minimum prescriptions. Interviews with people who have various handicap modalities reveal the fact that merely meeting the code will not necessarily provide a barrier free condition. An example is the varying placement of soap dispensers, paper towel cabinets and trash receptors in public restrooms. This is a puzzle to be solved by the visually impaired. Toilet entry vestibules are frequently very difficult to negotiate. Problems of adequate space for passing a wheel chair or opening the doors to toilet rooms are sometimes compounded with difficult multiple right angle turns as one enters the restroom. A conscious effort was made to arrange all public restrooms in a similar manner to reduce confusion or disorientation for the users regardless

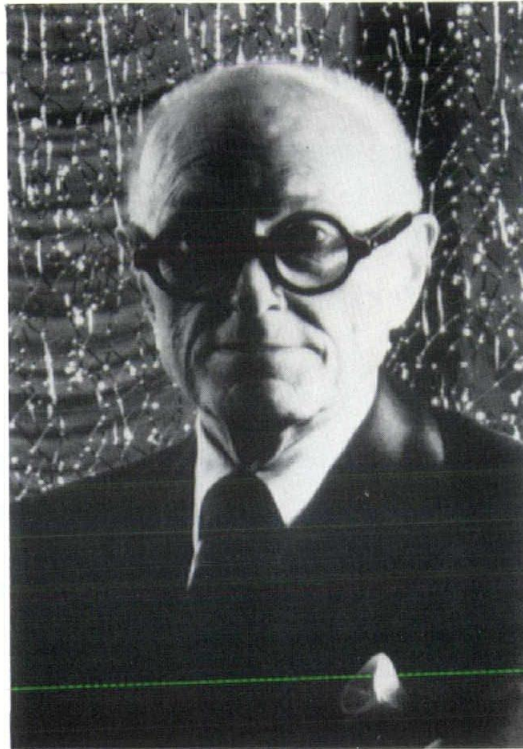
of their type of handicap.

Work break areas in large office buildings tend to be located remotely from work stations. Such distances can constitute a barrier for some handicapped persons. In some instances, a work break for these persons may need to be taken at their work station. This suggested a strategy of offering coffee or other refreshment at the work station. In such cases there still remains the need for handicapped staff to have a pleasant place to rest. Recommendations were made for private spaces to be available other than in toilet rooms. It was through a careful analysis of human daily activity that a comprehensive barrier free design concept was developed for the entire building.

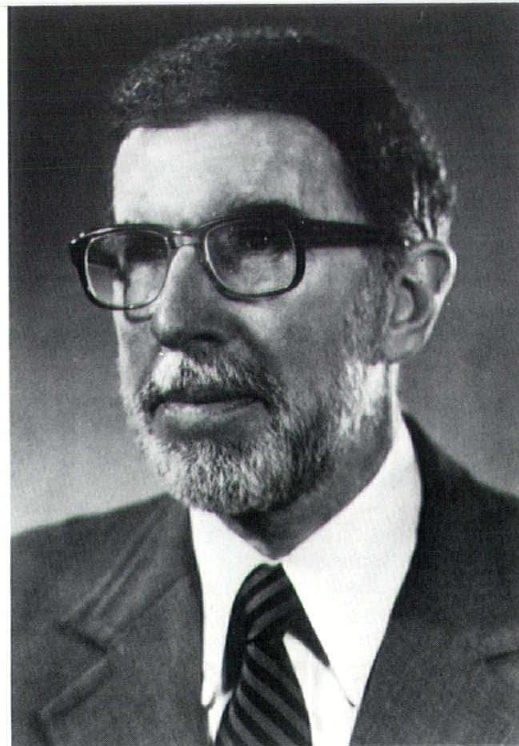
The Steelcase Corporation management recognized that any one may become disabled from illness or accident at any time during a lifetime. Through their sensitivity and dedicated effort to minimize physical barriers in the new headquarters facility, they have made life more pleasant for all who use the new facility. The Michigan Office of Rehabilitation Services summed up the results when they said the Steelcase Corporate building was one of the best barrier free buildings they have seen to date.

John W. Reps and Philip Johnson Receive Honorary Degrees

by Robert Duncan
Homer Puderbaugh
Gordon Scholz



Philip Johnson



John W. Reps

John W. Reps and Philip Johnson were awarded honorary degrees during ceremonies held this spring at the University of Nebraska-Lincoln. Both men were nominated for these awards by the College of Architecture.

Mr. Reps, whose nomination was presented by the Department of Community and Regional Planning is a professor of city and regional planning at Cornell University and has achieved distinction as this country's best-known authority on the early history of physical planning and development of U.S. cities. Professor Reps' lifetime of scholarly inquiry into this aspect of urban history has resulted in an extensive body of knowledge about the process of urbanization in the United States. His research contributions are important to scholars in numerous fields of study, including urban history, urban and cultural geography, urban sociology, architectural history, and folklore.

Professor Reps has earned a distinguished international reputation as an extremely energetic, diligent, meticulous, and authoritative researcher. The enormous difficulty of his particular research task, which includes pursuit of innumerable local archives and sources, is widely recognized and appreciated by scholars who have relied heavily upon his work in their own research.

Professor Reps' research in Nebraska and the Great Plains region most certainly is pioneering. Future research on the history of physical planning and development of towns and cities in this region unquestionably will rely upon his landmark beginnings.

Mr. Reps' work, *Cities of the American West* includes several chapters on the settlement of the Great Plains region. Two chapters, "Urban Planning on the Central Plains: The Settlement of Nebraska" and "Railroads to the Rockies and the Urban Settlement of the Central and Northern Great Plains", are of special relevance to Nebraska. Overall, this book masterfully establishes a broad context of town development plans, within which specific regional and



Sheldon Memorial Art Gallery

local examples of town-building are examined. As an insightful presentation of basic research findings and as a point of departure for future research, this work by John Reps is invaluable.

Interestingly, John Reps points to Lincoln, Nebraska, in his *Cities of the American West* as an example of successful frontier town planning. He describes Augustus Harvey's plat of Lincoln as

"... an interesting design, by all odds the most successful of any adopted for a Nebraska community. In its generous provision of public sites and open spaces; its recognition that major public buildings could be so located to provide vistas down major streets; its differentiation of lot sizes between those intended for business and those to be used for residential purposes; and its variation of street widths depending on proposed functions, this plan ranks high among those of western America. Moreover, and more important, the three-dimensional city that developed on this two-dimensional plan became one of the most impressive and pleasant communities of the country" (p. 417)

During his recent visit to Nebraska, John Reps contributed in meaningful and substantive ways to the teaching, research, and service missions of the University of Nebraska. John Reps' demonstration of competence, interest, and enthusiasm in all of his presentations in Nebraska was exemplary. The presentation to John W. Reps

of the second Distinguished Planning Educator Award at the 26th Annual Conference of the Association of Collegiate Schools of Planning, October 19, 1984, in New York City, is evidence that these qualities are widely recognized.

Clearly, throughout his professional career Professor John W. Reps has made numerous significant scholarly contributions to our understanding of early town planning and development in Nebraska and the Great Plains region. His works will endure for many years as unsurpassed research resources and stimuli for further study of early town-building.

Mr. Johnson's nomination was presented by the Department of Architecture. Johnson originally graduated from Harvard with a degree in classics. Fifteen years later, he returned to Harvard and pursued a professional degree in architecture, completing that in 1943.

As one of America's foremost architects, Philip Johnson has been a constant source of architectural uniqueness through his teaching, writing and professional activities. His attitude towards architecture, what he calls restoring it to a "level of common sense," has an affinity to that of post-war American Art: a disregard of the old artistic restraints and rules, a new way of looking at ordinary things for their own merit, and a pragmatic contact with real life. Although his own personal feelings and preferences have ruled, the vitality of his work has always been expressed within a proper discipline and sense of the

appropriate. For Philip Johnson, ideas and feelings are the result of an abstract, complex, problem-solving process, accompanied by a taste of quality and excellence. This approach to architecture results from an excellent educational background, coupled with an energetic and articulate personality, and highlighted with a great interest in history and art.

His contribution to this state, this city and this campus, beyond the influence of his writings and many award winning designs, is the impact of the Sheldon Art Gallery (1964) and its gardens on the lives of everyone who sees it, uses it and experiences it. Mr. Johnson's design sensitivity has contributed to the physical and emotional betterment of the campus and city. The Gallery has received international critical acclaim and twenty years after its completion, is recognized worldwide by historians, architects and critics as a significant contribution to architecture, located at the University of Nebraska. From the works of many architects who achieve prominent professional recognition, the Sheldon Gallery remains a timeless artifact in that "less than 100 buildings" whose contribution and significance have influenced the profession and changed the direction of American architecture. Mr. Johnson was awarded the gold medal of the American Institute of Architects in 1978 for his design excellence.

The University of Nebraska and College of Architecture is fortunate to have been associated with these two men so outstanding in their fields.

LA/AIA Associates Announce

The Associates of the Los Angeles Chapter, American Institute of Architects, invite younger members of the architecture profession to enter "Real Problems", the first in a series of annual competitions focusing on topical design issues. The subject of this year's competition is one whose explosive growth has caused concern among both architects and planners – the convenience center. The project is hypothetical but the site is a real one in downtown Hollywood.

Entries will be judged on how well they acknowledge business realities while at the same time employing economical materials to make an appropriate architectural statement, and manipulating the site design to encourage street life – both in the car and on foot.

"Real Problems" is open to architects and interns, or teams including architects and interns. All participants must have completed undergraduate or graduate studies within the last 10 years.

There will be three cash awards – \$500 for first prize, \$250 for second, and \$250 for third – and the jury will select a number of projects for honorable mention.

The entry fee is \$15. Upon receipt of fee, applicant will be mailed complete entry information, including the program. The deadline to return entry fee

International Conference On Energy Planning For Communities

How the shape of a community's built environment affects energy efficiency and how energy conservation can save money for communities will be addressed at an international conference, "Energy Planning for Communities," sponsored by The American Institute of Architects and the U.S. Department of Housing and Urban Development, Sept. 26-28, in St. Paul.

Architects, engineers, community planners, public officials, energy experts and citizens will explore opportunities for significant savings of energy and money through community-level strategies that encourage better design of buildings, factories and transportation systems. Participants will discuss how development patterns and movement can be altered to reduce a community's energy use and how monies saved by energy conservation reduce the need for imports.

"Real Problems" Competition

is September 3, and entries are due November 15. The jury will make its decisions during the first week of December and the winners will be announced at an awards event later that month. Send check or money order, payable to LA/AIA Associates, to "Real Problems", LA/AIA, 8687 Melrose Avenue, #M-72, Los Angeles, CA 90069, (213) 659-2282.

The AIA's R/UDAT Program Wins Citation

The Regional/Urban Design Assistance Teams (R/UDAT) program of The American Institute of Architects has received a citation from the President of the United States for its outstanding private sector initiatives to help solve community problems.

President Reagan presented one of 30 crystal medallions to the AIA during special ceremonies June 14 at the White House.

As a winner in the President's Citation Program for Private Sector Initiatives, the 18-year-old R/UDAT program is recognized for its "exemplary" community assistance contributions.

Organized and supervised by the AIA Urban Design and Planning Com-

mittee, R/UDAT is a public service program that provides a team of volunteers from a wide range of design and planning professions to aid any community requesting help with an urban design or community planning problem. Since its inception in 1967, the program has sent multidisciplinary teams to assist 85 communities with a combined population of more than 21 million in 40 states. R/UDAT efforts have donated professional services valued in excess of \$3.5 million.

AIA Announces Winners of Photo Contest

Barry Brukoff of Sausalito, Calif., has won first prize of \$1,000 for his "Catalina Doorway," one of more than 1,200 entries in the first annual national photo competition co-sponsored by The American Institute of Architects and the St. Louis Chapter/AIA.

AIA President R. Bruce Patty, FAIA, announced the results and presented cash prizes to the first, second and third place winners at the 1985 AIA National Convention in San Francisco.

Richard P. Tover of Lincoln received a Merit Award for his photo "Cabanas-Brighton, England".

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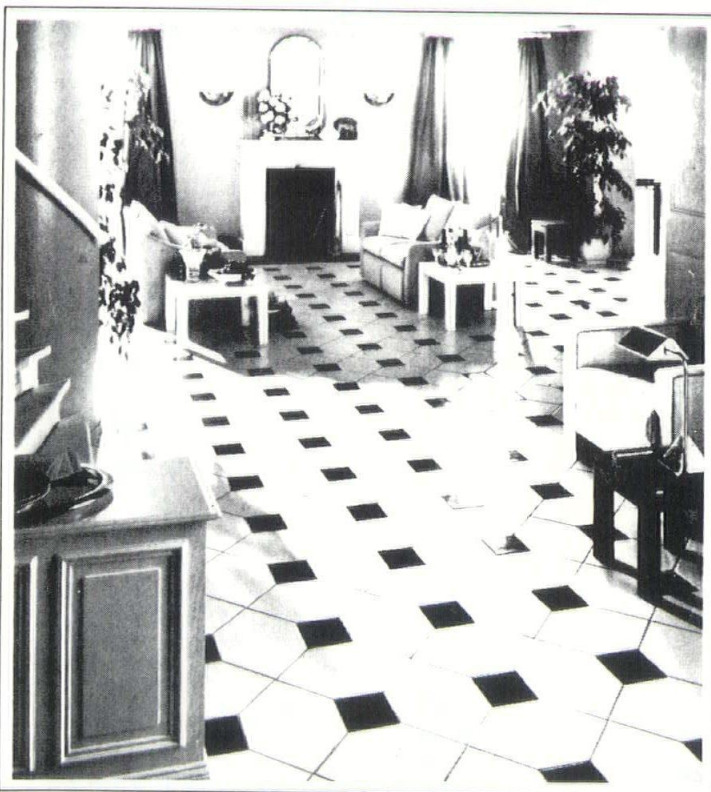


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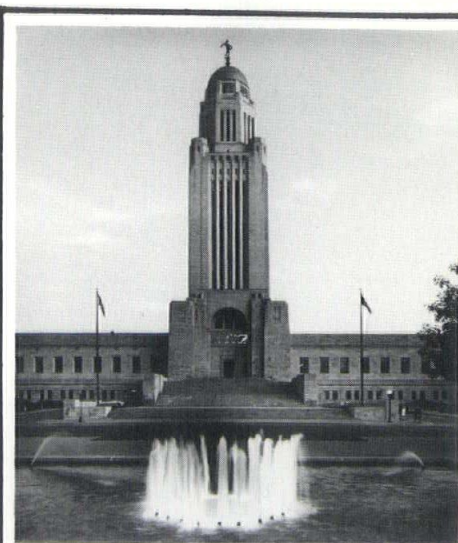
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AIA To Fight To Keep Tax Incentives

In response to President Reagan's proposed revisions of the U.S. tax code, The American Institute of Architects has vowed "to fight to keep tax incentives for historic rehabilitation" and will join with other building industry groups to "assure that the nation's economic health is not destroyed in the name of reform."

R. Bruce Patty, FAIA, president of the Institute, explained that changes in the tax code could have "a significant effect" on the construction industry and the practice of architecture. "We need to work closely with the rest of the industry to assure that changes in the tax code do not destroy incentives for economic development and construction activity."

"The AIA is prepared to work with Congress and the Administration to develop constructive and responsible reform plans that spread burdens fairly and recognize the critical role of the construction industry in the economic life of the nation," he pledged.

Patty noted that the "unquestioned

success of historic preservation tax credits demonstrates the value of tax incentives," which have generated billions of dollars of investment, created tens of thousands of jobs and helped revitalize the nation's cities. Without tax incentives, many preservation projects wouldn't exist.

While fighting to keep tax incentives, the AIA will continue to work hard to reduce the federal deficit and will join with colleagues in the building industry to assure fairness, Patty said.

AIA Elects Donald J. Hackl, FAIA, First Vice President President-Elect for 1985-86

Donald J. Hackl, FAIA, of Chicago, a national vice president of The American Institute of Architects, was elected first vice president/president-elect of the AIA at its 117th national convention in San Francisco, Calif.

He will assume office in December, 1985, and will become president one year later. John A. Busby Jr., FAIA, Atlanta, the Institute's current first vice president, will succeed R. Bruce Patty, FAIA, Kansas City, Mo., as president of the 47,000-member national professional society this December.

Also at the 1985 convention, delegates elected three national vice presidents: A. Notley Alford, FAIA, Dayton, Ohio; Benjamin E. Brewer Jr., FAIA, Houston, and David E. Lawson, FAIA, Madison, Wis.

Kirkham, Michael Enters 40th Year of Public Works Service

This year marks 40 years of service by Kirkham, Michael and Associates in public works. Since 1946, KM has provided engineering services to help federal, state, county and municipal agencies meet the demands of growth and progress, according to Bill Michael, Board Chairman.

In that time, the company has grown from two to 175 professionals, adding new services and establishing new offices to provide full-service capabilities for comprehensive assistance to public works agencies throughout the Midwest and West.

"Kirkham, Michael emphasized building interdisciplinary project teams with professionals known for their responsiveness and sensitivity to clients' needs," Michael said.

"This has yielded positive results. KM's numerous awards for ingenuity—two Grand Awards for Engineering

Excellence, a National AIA Honor Award, and two City Beautification Awards in the past four years—attest to the KM team's abilities to pinpoint client objectives and develop optimum design solutions."

"Another reward has been the continued support of our clients. KM clients have continually returned with new challenges they believe can be best accomplished by Kirkham, Michael. Numerous clients have said they regard KM's professionals as an extension of their own staff," Michael said.

In the process of assisting with planned community growth, the company has also grown in experience and perspective. Michael explained that KM's projects have been successful not only because of quality design, but because KM Project Managers understand the political aspect of public works. "They are adept at analyzing funding potentials and developing public participation programs frequently essential to project implementation," he said.

Michael anticipates a strong future for Kirkham, Michael in public works projects. "KM's professionals are committed to the business of public works—developing new ways to improve the quality of life."



Kirkham, Michael-Colorado to Relocate and Expand

Keeping up with the quick pace of Colorado's development, KM's Colorado office will soon relocate to new offices in the Greenwood Plaza area, according to Jim Wheeler, President of KM-Colorado.

The new 18,000 square foot office nearly triples KM's space, allowing room for the current staff of 50 and for expected expansion in the coming years.

"We're happy to be able to grow with the region," said Wheeler. "In our new offices, we can continue to provide quality service to our growing list of clients."

The new offices are in the Millennium One Building at 6200 South Quebec Street, Suite 320. Kirkham, Michael's Colorado telephone number, (303) 694-2300, is unchanged.

AIA CALENDAR OF EVENTS THROUGH OCTOBER 1985

- Sept. 17-19** AIA Interiors Committee meeting on Italian furniture and architectural items, New York City. For more information, call Ravi Waldon at (202) 626-7429.
- Sept. 21-22** AIA Architecture for Education Committee meeting on school systems design review and technology applications, held in conjunction with the Council of Educational Facility Planners conference, San Jose, Calif. For more information, call Robert Meden at (202) 626-7359.
- Sept. 26-28** AIA Architecture for Energy Committee meeting on community energy planning, St. Paul. For more information, call Dave Bullen at (202) 626-7448.
- Oct. 3-5** AIA Architecture for Health Committee meeting on design for computer applications, with product exhibition, Seattle. For more information, call Mike Cohn at (202) 626-7366.
- Oct. 8-11** AIA Architecture for Justice Committee meeting on alternatives for financing and constructing justice facilities, with product exhibition, Los Angeles. For more information, call Mike Cohn at (202) 626-7366.
- Oct. 24-26** AIA Housing Committee meeting on housing the homeless, Washington, D.C. For more information, call Ravi Waldon at (202) 626-7429.
- Oct. 25-26** "Seismic Design Workshop for Architects," co-sponsored by the AIA Foundation and the Seattle Chapter/AIA, Seattle. For more information, call Don Geis at (202) 626-7409.
- Oct. 30-Nov. 2** AIA Urban Design and Planning Committee meeting on growth management issues in rural growth areas, Raleigh, N.C. For more information, call Bruce Krivsky at (202) 626-7452.



Bonge Joins Kirkham, Michael & Associates

Lynn Edward Bonge has joined Kirkham, Michael and Associates as Vice President and Director of Architecture. Mr. Bonge will be responsible for planning and directing the corporate architectural practice.

Bonge's recent architectural work has included major projects in Cincinnati, Ohio; Burnsville, Minnesota; Norfolk, Virginia; and Denver, Colorado. He was president of Architects Plus, Inc. of Omaha from 1975 to 1981, and was a principal of Boyer, Biskup, Bonge & Associates from 1973-75. He has 20 years' experience in commercial, institutional, industrial and health care architecture.

This Neligh, Nebraska native has a Bachelor of Architecture Degree from the University of Nebraska-Lincoln, and has been a registered architect in Nebraska since 1968.

Bonge is married to the former Sandra Janike of Lincoln, Nebraska and has four children. Hobbies include coaching for a West Omaha Suburban League youth basketball team; cabinet making, photography, jogging and golf.

Bahr, Vermeer and Haecker Initiates Scholarship Program

This past academic year marks the inauguration of a scholarship program sponsored by the firm of Bahr, Vermeer and Haecker for students in the University of Nebraska College of Architecture. Entitled The Bahr Vermeer and Haecker Leadership Program, it offers sixth-year students an opportunity to have a first-hand look at firm management and operations.

Students are chosen for the program based on academic standing and demonstration of leadership characteristics. They then participate in a full-day seminar in which many aspects of managing and operating an architectural firm are demonstrated.

Five students were recipients of the scholarship program this past year. These were:

Robert Carlson
Laura Kunkle
Michael Marsh
Val Ronis
Etiene Runge
Mark Wolterman

In addition to the seminar training, winners received public recognition at the College of Architecture Awards Convocation and were presented handsomely lettered, embossed award certificates.

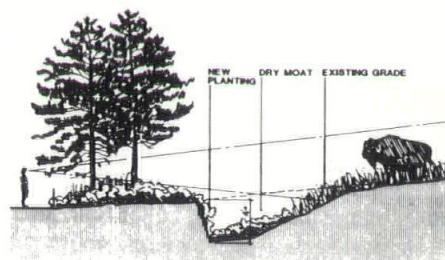
Bahr, Vermeer & Haecker

Bahr, Vermeer & Haecker is currently designing a new headquarters/office for the Eden Hannon & Co., a municipal financial consulting firm in Alexandria, VA. This \$1.2 million project includes renovation of an historic 1850s building, originally built as a girl's school, and the design of a next-door "in-fill" addition to complement the historic character of the street and existing building, known as The Anchorage. George Haecker is principal-in-charge. Project architect: Michael Alley.



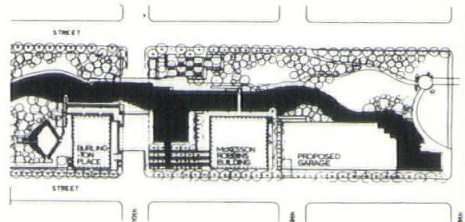
Eden Hannon & Co., Alexandria, VA

The firm has completed the master plan for the Pioneer's Prairie Interpretive Center for the Lincoln Parks and Recreation Department. The concept will create a unique educational and recreational facility, by allowing visitors to experience Nebraska's prairie heritage on the site formerly occupied by the Pioneer's Zoo. The plan outlines a 3-phased development over the next 20 years. The project is scheduled to begin in 1986. Project architect: Robert LeZotte.



Pioneer's Prairie Interpretive Center, Lincoln

The Great Plains Housing Advocacy and the Retirement Housing Project Foundation of Los Angeles have commissioned Bahr, Vermeer & Haecker to design a 20-unit apartment complex for the chronically mentally ill in North Platte. Design of this HUD Section-202 project is complete and construction is expected to start this summer.



Central Park Mall, Phase V, Omaha

Construction began in April to complete the Central Park Mall, Phase V, to 8th Street, Omaha. The nearly \$2 million phase of this downtown park will continue the lagoon/waterway and green space eastward, past the Burlington and McKesson Robbins Buildings, incorporating waterfalls, a plaza and picnic areas. Project architect: Ron Mercer. The Mall is planned and designed by Bahr Vermeer & Haecker, in association with CHNMB, San Francisco.

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Davis/Fenton/Stange/Darling

The firm of Davis/Fenton/Stange/Darling recently completed and participated in the dedication of the John Prash Activities Center for Southeast High School in Lincoln.

The new activities center provides an unusual combination of physical education and athletic facilities. Approximately 80,000 square feet were added to the remodeled 25,000 square feet of the original structure.

The gymnasium has enough room for three basketball courts, and will seat 3,400. The indoor track surrounding the gymnasium, is unique in that both ends of the track extend beyond the walls of the facility and are glass-enclosed.

The centerpiece for the new addition is the swimming pool. The competition-class pool is 25 yards long and eight lanes wide. The natatorium will seat 500 spectators. A redwood ceiling helps eliminate much of the noise so common in indoor pool areas.

There are completely separate gymnastic and wrestling workout areas, plus other attendant areas such as locker rooms, concessions, restrooms and storage.

One of the primary features of the building is the use of natural lighting. Each major space was carefully

designed to incorporate natural light when it is available so that this energy-efficient aspect can be maximized. Recessing the building addition into the natural topography also makes it more energy efficient and reduces the scale of the facility within its residential setting.

Davis/Fenton/Stange/Darling have designed all Southeast High School facilities over the past 30 years. The principal-in-charge was James Stange and project architect was Von Innes.

Construction has begun on a \$2.5 million renovation and expansion of the Lincoln Water System's Operation and Control Center. The project combines the two separate facilities into one site and will add a service and maintenance area for system vehicles

and equipment.

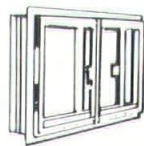
The Control Center will include a newly implemented computerized monitoring system to coordinate the production and distribution of water throughout the city of Lincoln.

The structure will employ glass fiber reinforced concrete panels. A stylized wave of blue glossy ceramic tile is inlaid in the panels thus making reference to the building's functional focus. The combined aesthetic and symbolic function of the inlay enhances the building's aspect, adding to a design that employs curves and a quarter-round clerestory vault. The result is a structure that characterizes the lively, playful qualities of moving water while providing needed services for the city of Lincoln.

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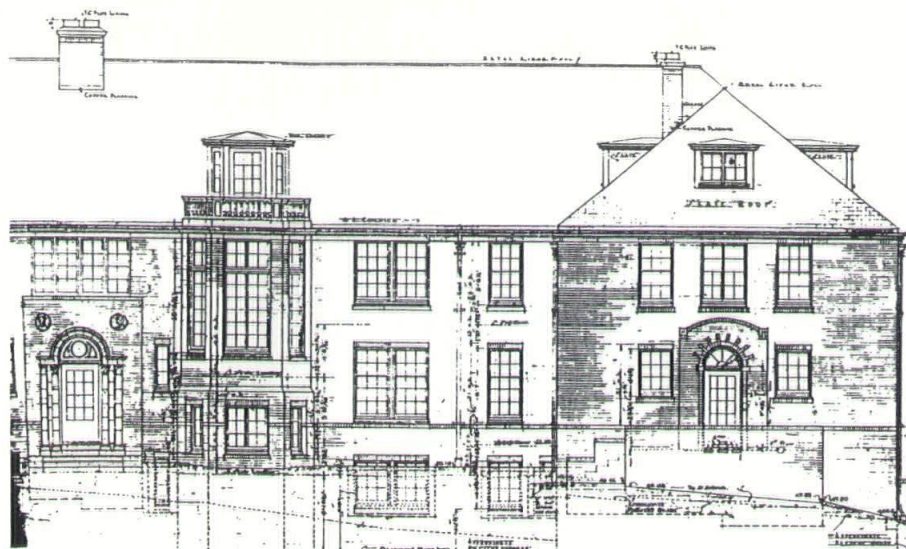


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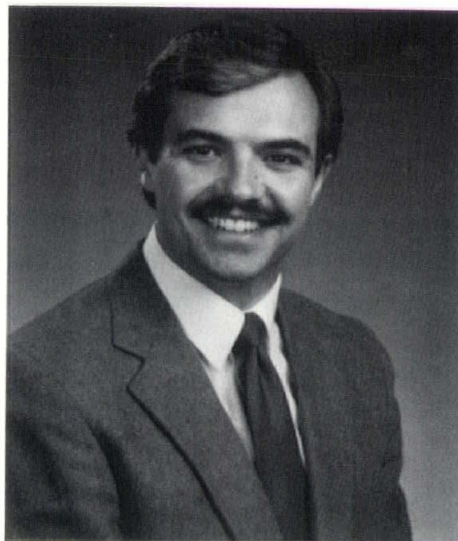
Lake Washington Conference Center, Seattle, Washington

Chamberlin/Shreve Associates

Kent Chamberlin, a 1976 Graduate of the University of Nebraska College of Architecture, has moved his offices to better facilitate a major client, the Berkshire Group, Real Estate Developer. The Berkshire Group is completing a major, five building, adaptive reuse and rehabilitation of a square block in Historic Pioneer Square, Seattle, Washington, called Merrill Place.

Mr. Chamberlin was appointed Vice President of Chamberlain/Shreve Associates Architecture, Urban Design & Planning Firm in 1983 and actively worked with Berkshire in developing an historic property on Lake Washington. Three buildings on a ten acre park setting, with 1400' beachfront, are being transformed into a conference center. The self-contained center will cater to major corporations, with 100 guest suites, restaurants, recreational facilities, meeting rooms and assembly hall. Chamberlin/Shreve Associates and the Berkshire Group won a Design/Build Competition sponsored by the City of Seattle to secure the project.

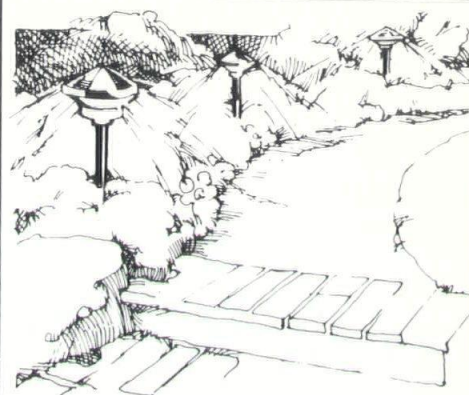
Chamberlin/Shreve Associates completed the original Phase I, Financial Feasibility Study and Schematic Design of Merrill Place and are now completing design and construction of tenant spaces and space planning for 200,000 square feet of mixed-use projects within the five buildings. Merrill Place boasts retail, commercial, residential, live theatre, and restaurant space.



The firm's new offices are now in Suite 300 North Tower, and are in the middle of the design/construction activity, which Kent says is "very stimulating!"

Kent Chamberlain is formerly an associate with Dana Larson Roubal & Associates in Seattle and began working for DLRA Omaha, upon graduation in 1976. He established his own firm in 1982 with another partner. The firm now employs 6 people in the architectural department and 8 in support disciplines of landscape architecture, interior design and space planning.

Mr. Chamberlain was nominated in May for a five-year appointment by the Governor of the State of Washington, to serve on the State Board of Registration for Architects.



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A Case for Defensive Continuing Education

by Eugene Wright

An article by William D. Hooper, Jr., in the Fall, 1983, edition of *Architectural Technology* entitled "Professional Liability Update," states that liability insurance premiums were expected to rise sharply for design professionals. Insurance companies that underwrite professional liability for the architectural or design field were projecting increases from nine to thirty percent starting in 1984, in order to cover projected losses due to increased claim activity and lower interest rates on the insurance company's financial investments.

Additionally, according to the Schinnerer Company, an underwriter for the Professional Liability Insurance Program commended by the American Institute of Architects and the National Society of Professional Engineers, claims could be expected to reach 45 out of every 100 insured companies or firms. That article stated that some of the increased claim activity could be attributed to the economic conditions of this period where more false claims and tenuous claims seeking higher settlements are filed. Architects, as with other members of the building team are now subjected to frivolous claims from parties assuming that the architect, engineer and contractor have comprehensive insurance that will cover any and all allegations.

Data shows the following breakdown as to the type of claims most often filed against architects:

Roof related claims	29%
Glass/water proofing	10%
Floors	9%
Walls	8%
Stairs	6%
Doors	4%
All other causes	34%

As can be seen from the above quoted items and percentages, the largest single definable area of litigation or potential claim against the architect is in the roofing area.

A positive case can be made for some form of defensive continuing or recurrent education relating to the field of roofing by examining the programs and the attendee profiles of the Roofing Industry Education Institute (RIEI). The RIEI is used for the reason its endeavors are related only to roofing education. Therefore, because of its single area approach to continuing education, it is considered a model. The Institute was started as an independent educational entity, sponsored by the roofing industry with the

expressed purpose of disseminating the latest information concerning roof systems, materials and technology to the roofing industry. The Independent Roofing Industry Education Institute to date has developed and presented four different seminars relating to different aspects of roofing. Additionally, commencing in 1985, a new seminar will be presented and two new seminars are now being developed.

The seminars being presented are:

1. Membrane Roofing Systems – An intensive course, very general in nature that covers the entire spectrum of roofing but primarily concentrates on the asphalt membrane system.
2. Roof Inspection, Diagnosis and Repair – Conceived to improve membrane roofing inspection techniques and to assist the individual in reaching repair conclusion that will enhance the life of the roof and the structure.
3. Elasto/Plastic Sheet Applied Roofing Systems – This seminar is to familiarize the attendee with sheet applied roofing systems and to compare the advantages (and disadvantages) as compared to conventional built-up roofing systems.
4. Design and Specification of Roofing Systems – Specifically tailored to the people who specify and/or design roofing systems.

Starting in 1985 a new seminar devoted to the Standing Seam Roof will be presented.

Two new seminars now in the planning stage are:

1. An Update Seminar – This course is designed to keep previous attendees up to date and familiar with

product changes and new systems.

2. Retrofit System – This seminar will deal with the emerging area of retrofitting existing flat roofs with new sloped roofs.

For information and schedules for these seminars contact:

Gene Wright
University of Nebraska
Lincoln, NE 68508
(402) 472-3739 or 472-3742

References:

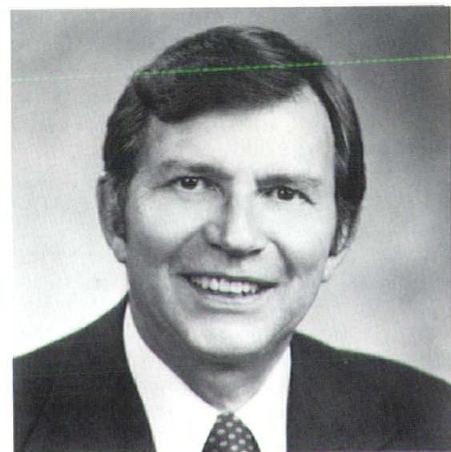
Hooper, William D., Jr. Professional Liability Update. *Architectural Technology*, Fall, 1983, 62-65.

Mathews, S. Personal Correspondence, March 6 to May 8, 1984.

Roofing Industry Educational Institute, *RIEI Seminar Programs*, Englewood, Colorado: Roofing Industry Educational Institute, 1984.

Roofing Industry Educational Institute, *Information Letter*, 12, Winter, 1984.

Roofing Industry Educational Institute, *Information Letter*, 15, Winter, 1984-85



William Fenton Is Elected Director of National Council

William M. Fenton, a principal in the Lincoln architectural firm of Davis/Fenton/Stange/Darling, has been elected to the board of directors of the National Council of Architectural Registration Boards. His election took place recently at the 64th annual meeting of NCARB at San Antonio, Texas.

Fenton will represent the organization's Central Region which consists of Nebraska and six neighboring states.

A graduate of the University of Nebraska, he holds a Bachelor of Architecture degree, and has long been active in civic and professional affairs. In 1980, he was appointed by

the Governor to the Nebraska State Board of Examiners for Engineers and Architects, and has served on several advisory boards for the State of Nebraska and the City of Lincoln. In addition, he is a past president of the Nebraska Society of Architects, is currently serving on the University of Nebraska College of Architecture, Professional Advisory Council, and is a board member for the Architectural Foundation of Nebraska.

Fenton saw active military duty in the U.S. Air Force, retiring with the rank of major.

He resides in Lincoln with his wife Patricia Ann. They are the parents of two daughters and a son.

Recent UNL Architecture College Graduate Wins in National Design Competition

Vinh Ba Dun Ha, a 1984 graduate of the Masters of Architecture degree program was awarded third prize in the Lloyd Warren Fellowship's 72nd Paris Prize Competition organized by the National Institute of Architectural Education.

The design problem presented was for a mixed use development on a historic site in Richmond, Virginia. The competition was open to recent graduates from Professional Architectural programs across the United States.

Mr. Ha will receive a Fellowship to travel in Europe for four months where he will study both historic and contemporary architecture of Europe.

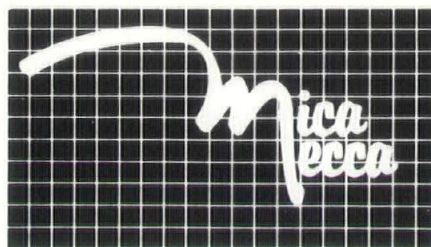
Vinh Ha is an architectural designer in the architectural offices of John Schofield Savage, AIA, and Scott Findley, AIA, of Omaha. Mr. Savage and Mr. Findley are also alumni of the University of Nebraska Architectural program.

Exploring A Career in Architecture

This summer, twenty-five high school students were selected to attend the College of Architecture workshop "Exploring A Career In Architecture". The workshop's goal was to let students experience what the academic preparation for the field of architecture was like and to meet and work with some of the practicing architects of Nebraska. These students had expressed an interest in architecture through essays that were submitted; and, through participating in this intensive week of study they were introduced to the profession of architecture. From these experiences the student could decide whether a career in architecture was what was truly desired.

Students spent ten-hour days in lectures, field trips and design studios. They met and talked directly with architects of the Lincoln-Omaha area, viewed films about architecture and ended the week by designing a home under the supervision of design faculty of the College of Architecture. The last day of the workshop students had a critique of their work by practicing architects and faculty.

Student response was overwhelmingly favorable and the College will plan to offer the workshop next summer for budding architects.



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Book Review

Glide Projection-Lateral Architectural Drawing. By Professor Robert Duncan, Department of Architecture, UNL.

Author Kevin Forseth.

Publisher, Van Nostrand Reinhold Company

Copyright, 1984, 127 pages

Glide Projection-Lateral Architectural Drawing by former UNL architecture professor Kevin Forseth is his second drawing book for Van Nostrand Reinhold Company. The book was supported by a grant from the Graham Foundation for Advanced Studies in the Fine Arts and written while teaching for the University of Wisconsin-Milwaukee School of Architecture and Planning.

The book is named after a unique method of using pictorial drawings in developing various built-up forms within the context of broad and shallow surfaces. It is intended to complement the conventional range of pictorial drawings normally studied and used by architects. For this reason, most readers should have a fundamental understanding of linear perspective and a good grasp of descriptive geometry principles.

The book is organized into the following areas of Introduction, Glide As An Alternative To Perspective, Glide Projection, Glide Drawings, and Glide Applications, with each section receiving adequate description via hardline drawings, diagrams and pictorials all illustrating the essence of glide drawing. The major emphasis of the book is concerned with legitimizing the theory as an alternative to perspective. The actual examples and

methods for using the system are presented in the latter chapters once the theory has been developed. The theory, which is difficult to describe, is nicely illustrated using a variety of sequential examples which show the system and its application. At this point, the book could use more basic examples with transparent overlays to help the reader see how the system works.

The author has developed a unique approach to pictorial and perspective representation and his book is a welcome addition to the types currently being used. Perhaps the average student who is searching for the "quick-fix" solution to his problems in pictorial drawing will probably look to other sources rather than spending the time necessary to comprehend the theory. For those who persist, there awaits a bonus because once the principles are mastered the book presents a variety of alternative glide drawing configurations. Likewise, the chapter on Glide Applications shows the extent to which the system can be used and is detailed enough so that the average student can visualize the wide range of options that are possible.

Those of us who are in architectural education should be thankful to Professor Forseth for his courage and ability in presenting a subject which has a built-in high degree of difficulty. His attention to detail, and quality of presentation are an inspiration to all who are interested in this area of spatial geometry. This particular book is a welcome addition for all concerned with visual communication and should provide another tool for the architect to use when presenting pictorial information.

Gary Hildebrand, Timothy Holland

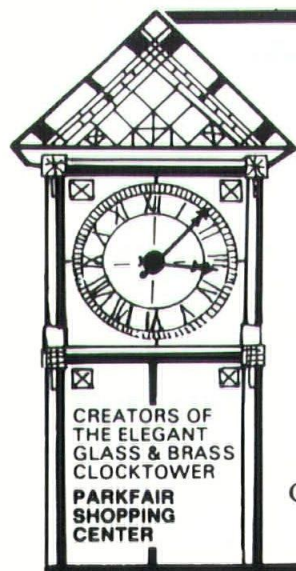
Two graduates of the University of Nebraska College of Architecture recently received Master's degrees from Harvard University's Graduate School of Design. Mr. Hildebrand completed requirements for a Master of Landscape Architecture; Mr. Holland finished the Master of Architecture program. Both were awarded degrees during Spring Commencement.

Douglass Completes Harvard Executive Program

H. Robert Douglass, Chairman and Chief Executive officer of Robert Douglass Associates, Houston, recently completed a nine-week executive education program at the Harvard Business School in Boston, Massachusetts. Mr. Douglas is a graduate of UNL's College of Architecture.

Mr. Douglass was one of 118 men and women who this year completed the Owner/President Management Program for owner-presidents of firms with at least forty employees and annual sales ranging from \$3 million to \$75 million. The program consists of three sessions, three weeks each, usually taken a year apart. Mr. Douglass began the Harvard Program in 1983.

While at the Harvard Business School, Mr. Douglass studied numerous business problems using Harvard's famous case method. The curriculum covered such topics as strategy formulation, improving efficiency and profitability, formal planning and control, marketing and financial policies, developing and motivating personnel, taxation, and techniques for negotiating acquisitions, mergers, or sellouts.



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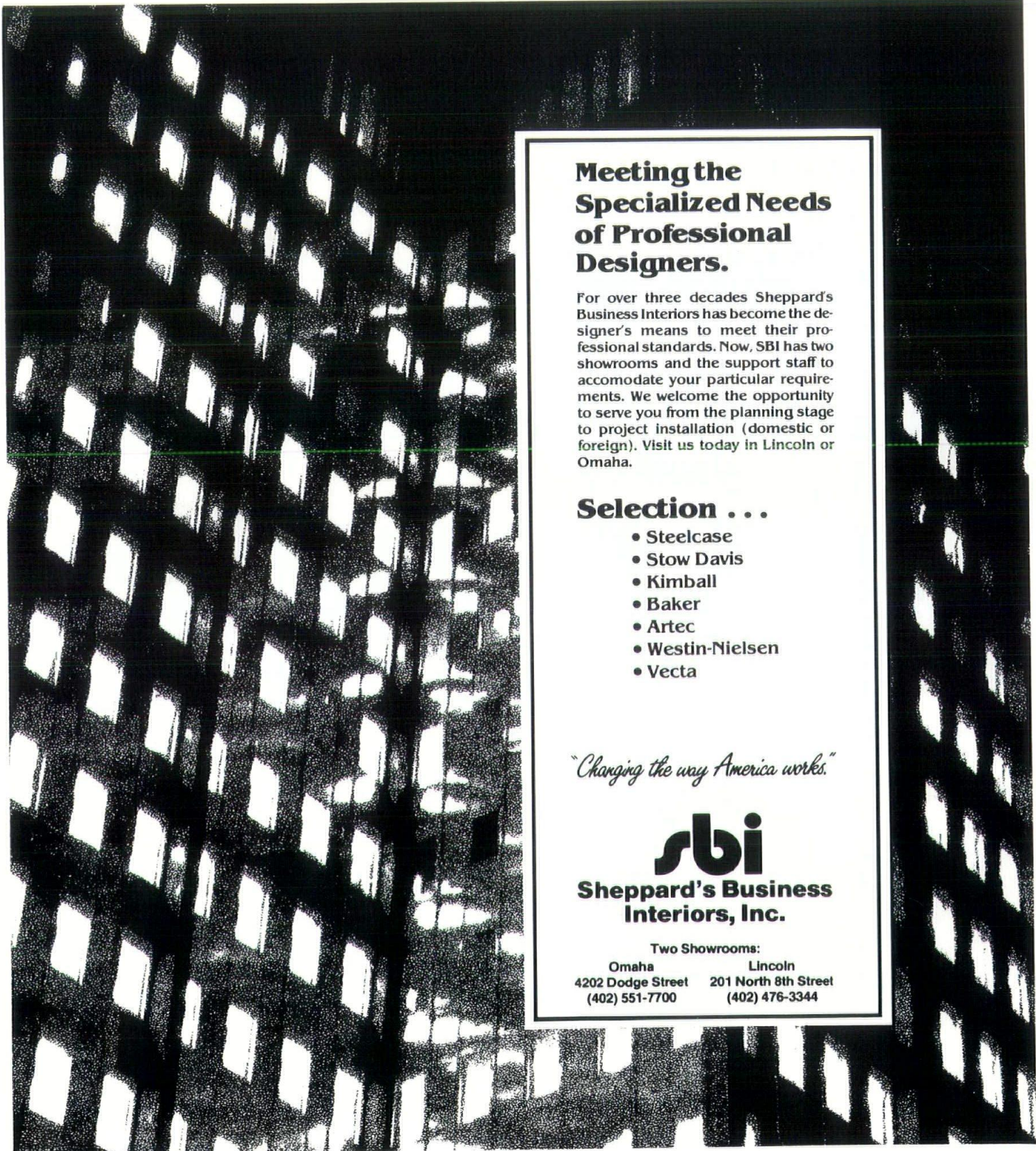
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