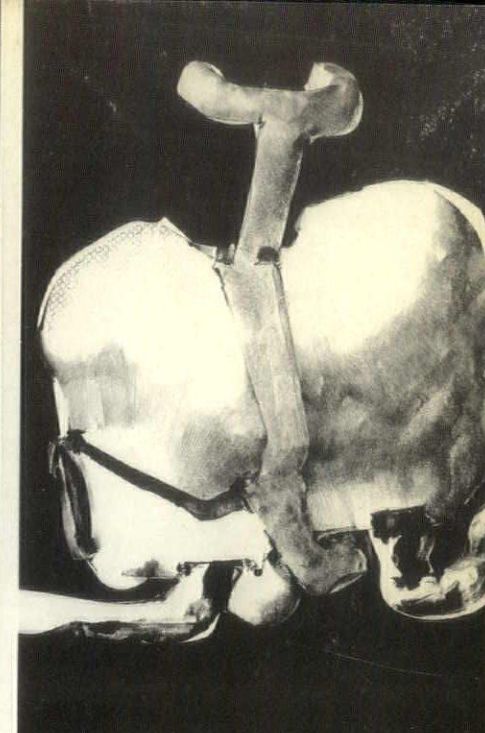
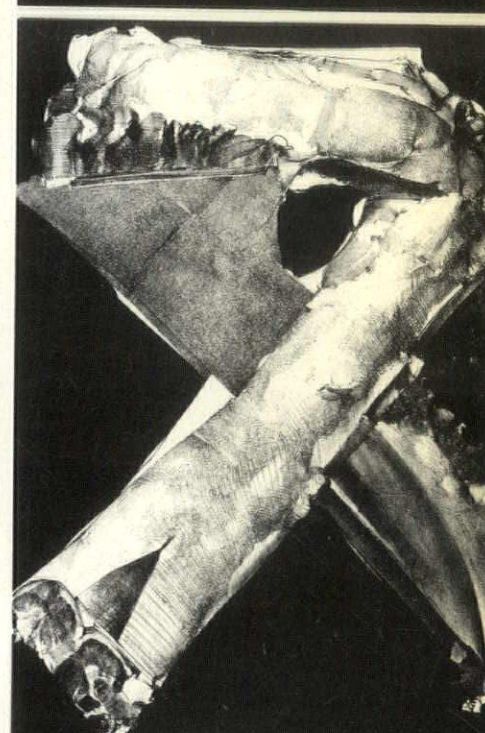
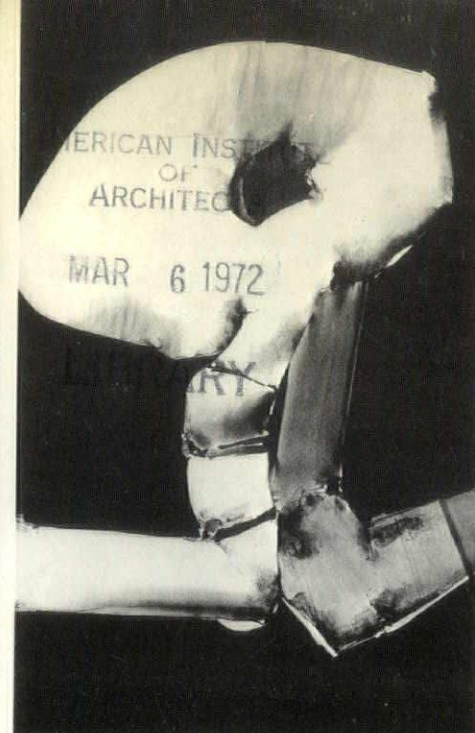
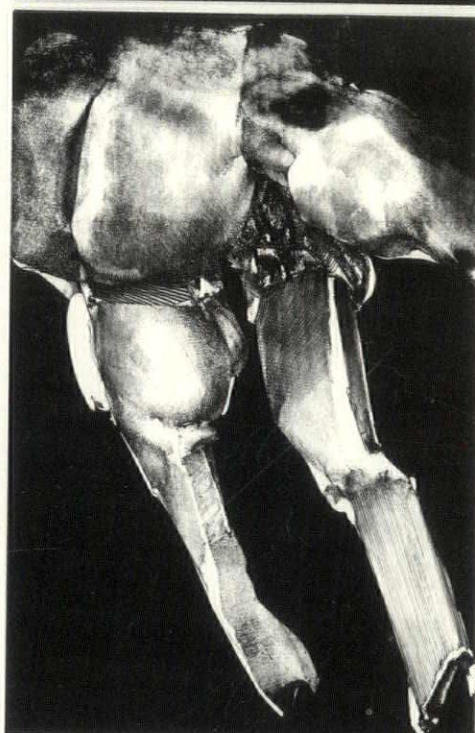
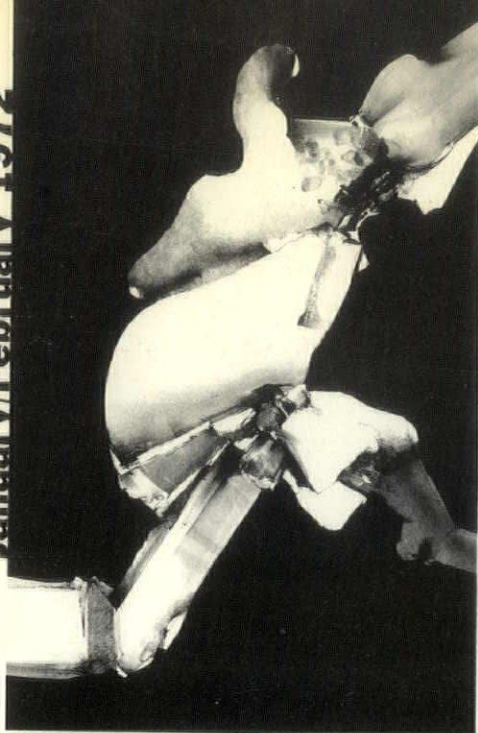
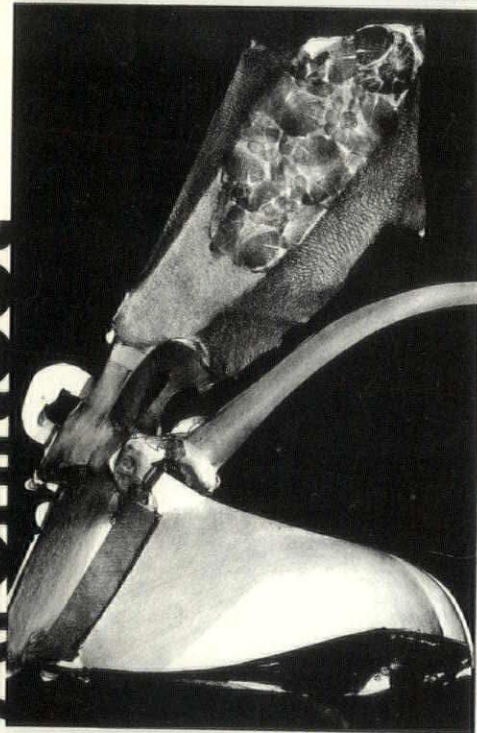


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(3/4" - #200, 1-1/2" - #200)
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granite

Rip Rap
Derrick Stone
Ballast
Concrete Aggregate
(3/4" & 1-1/2")
Bituminous Aggregate
Seal Coat Chips
Crushed Stone Base
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NORTHWEST ARCHITECT

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COVER: Moving Man Series of lithographs. A group of large scale black and white lithographs, each image 41½" x 29½" in size, drawn on stone by Jerry Rudquist and hand printed by the Martin Graphic Studio, Minneapolis, in 1970 and 1971.

Moving Man is an exploration of the variety of qualities with the theme of a human-like figure leaping, cruising, stomping, zipping, sashaying, hurdling or otherwise moving through space. The names of the images reproduced are (from left to right, row by row) Loupa, Smole, Wosher, Hummer, Osp, Xoxy, Zoog, Taano and Krish.

The artist, Jerry Rudquist, has been working and exhibiting in the Minneapolis/St. Paul area for a number of years and is Professor of Art at Macalester College in St. Paul. The entire series of lithographs was shown in a one-man exhibition at the Suzanne Kohn Gallery in St. Paul last October.

Cost efficiency is one of the most important reasons for letting separate contracts

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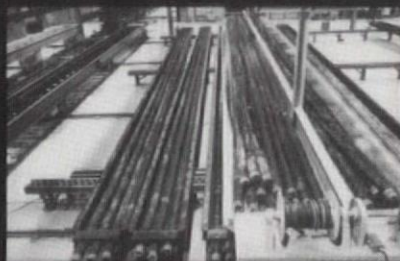
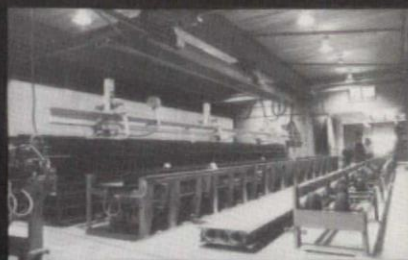
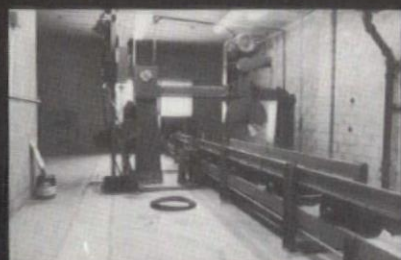
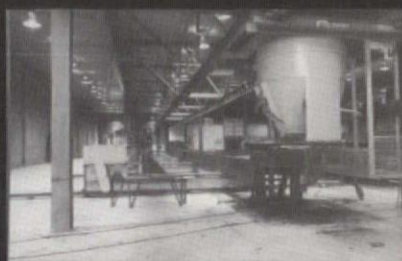
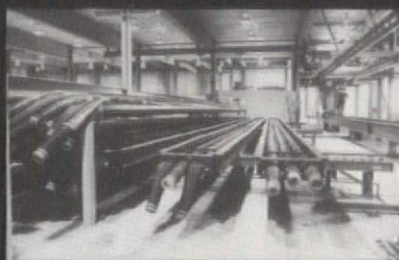
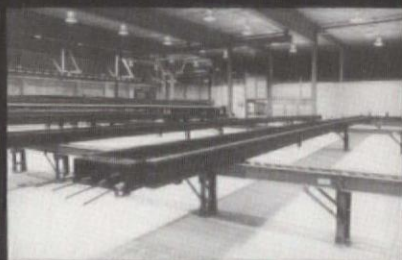
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Area Notes

**Architectural News
from Five States**

PEOPLE . . .

The new firm of **MELANDER AND MELANDER** has opened offices in the Lonsdale-Alworth Building in Duluth. President of the firm is Donald Knox Melander and Reinhold Melander is Chairman of the Board of the new organization.

HALVORSON, MOORE, SPRAGUE AND MOORE is a new Architect-Engineer office in N.D. Principals are Harold A. Halvorson, Clifford R. Moore, Lee Sprague and Marshall W. Moore. Office address is 112 N. University Drive, Fargo and 219 West Main, West Fargo.

ELLERBE ARCHITECTS has moved one of its architectural divisions from St. Paul to Mpls. The division, specializing in Medical Clinics and Outpatient Facilities, is headed by William R. Shannon, Jr., a Vice-President. H. William Nara will continue as manager of the Oak Grove office in Mpls.

The Residence Halls at Southwest Minnesota State College, Marshall, designed by **PARKER, KLEIN ARCHITECTS**, Mpls. and the Minnesota Federal Savings and Loan Branch, Burnsville, designed by **VOIGT FOURRE ARCHITECTS**, St. Paul were 1971 winners of the Tennant Awards for barrier free architecture. The awards were presented at the MSA Convention by the Minnesota Society for Crippled Children and Adults, Inc.

TRUMAN E. HOWELL was named Administrative Associate for Architectural Programming for Horty-

(Continued on page 35)

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STRUCTURAL ENGINEER • FRANK HORNER • ST. PAUL • MINNESOTA
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SPANCRETE MIDWEST COMPANY MANUFACTURED AND INSTALLED ABOUT
192,600 SQUARE FEET OF SPANCRETE, 66,600 SQUARE FEET OF DOUBLE TEES,
PRECAST STAIRS, AND SOME PRECAST BEAMS AND COLUMNS ON THIS PROJECT.
SEVEN STORY - 186 UNITS WITH INDOOR POOL AND INCLOSED PARKING.

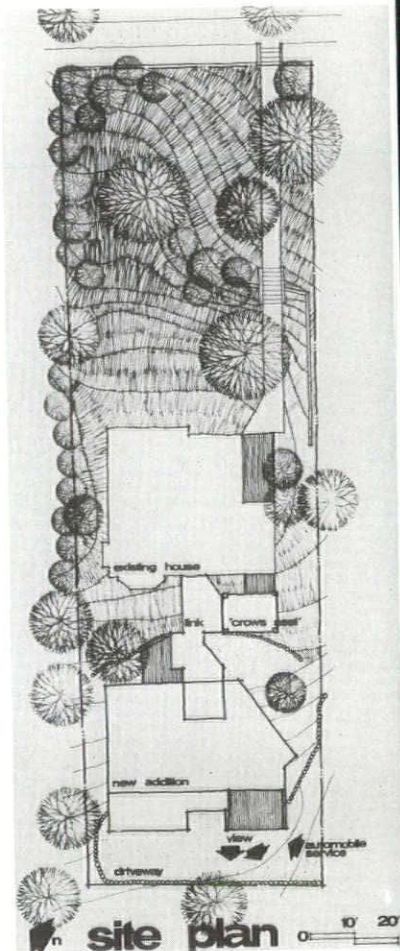
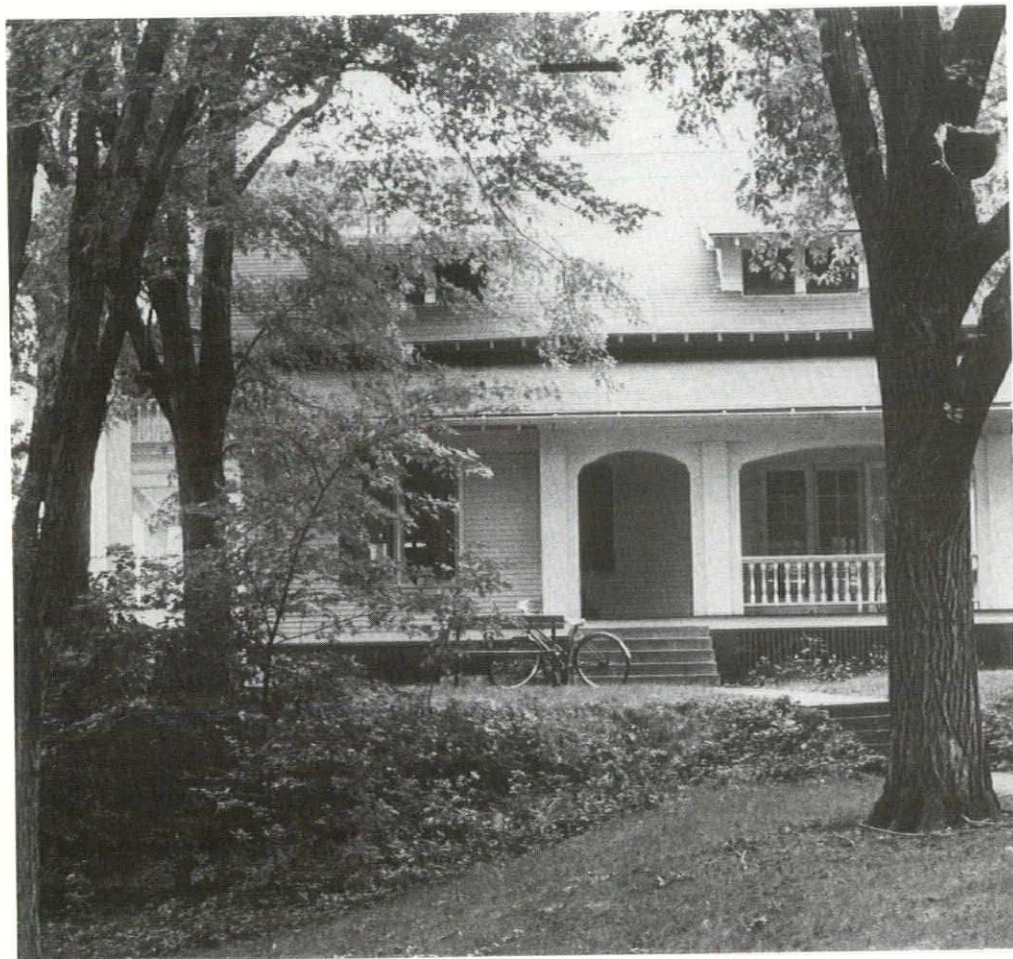
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FACILITY IN THE MIDWEST.**



1971MERITAWARDSMERITAWAR

The 1971 Honor Awards competition recognized architectural excellence in projects by Minnesota Architects. The following pages pay tribute to the six Merit Award Winners as selected from a field of 83 entrants. The 1971 Honor Awards (Oct/Nov issue Northwest Architect) and the Merit Awards exemplify the quality of architecture being practiced by the profession in Minnesota today.

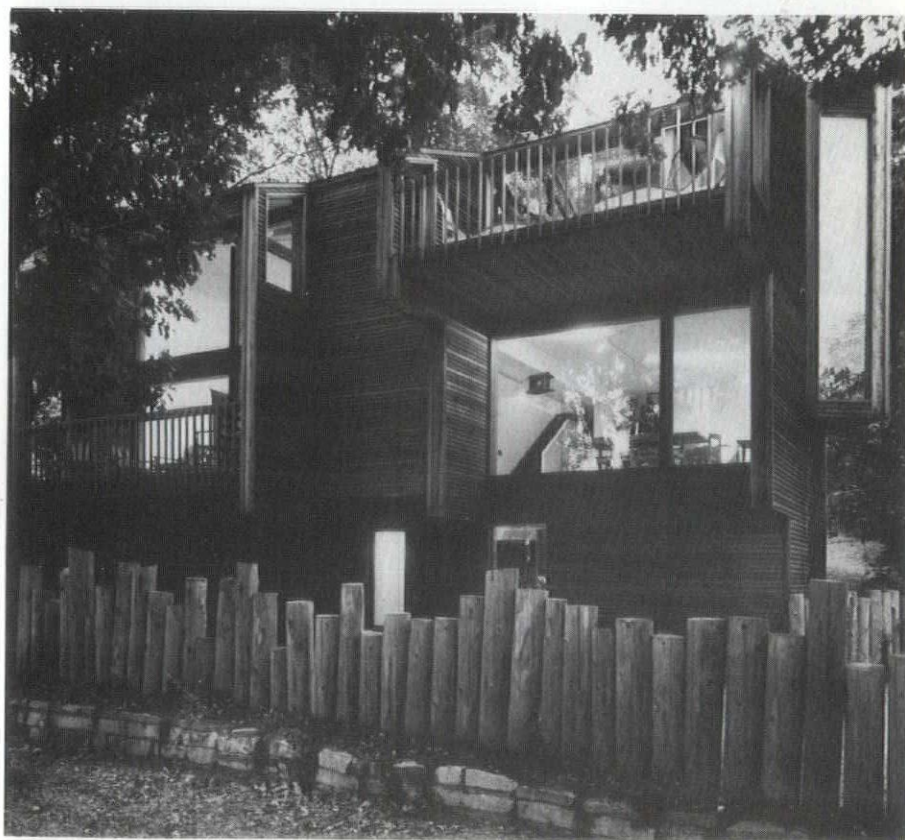


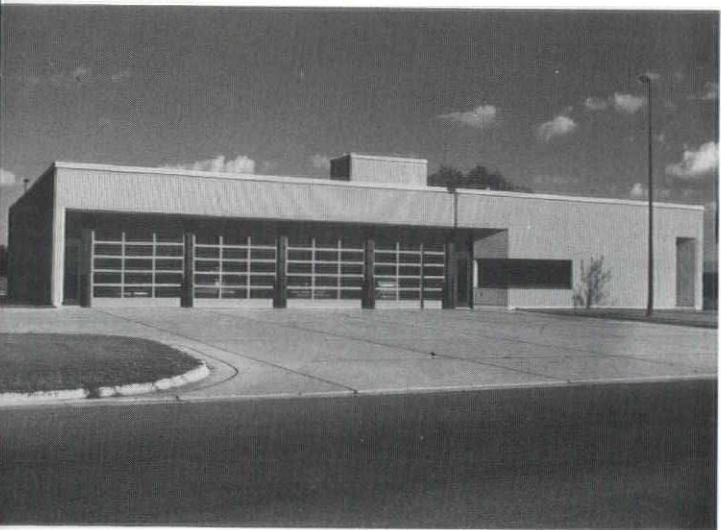
Hodne Residence
Minneapolis, Minnesota
The Hodne/Stageberg Partners,
Inc.

NEED: Major living/activity space for a large, vibrant family.

GOAL: Preservation of the street and neighborhood environment.

SOLUTION: A 3-level volume of living/activity linked to existing structure of sleeping/eating with an entry bridge.

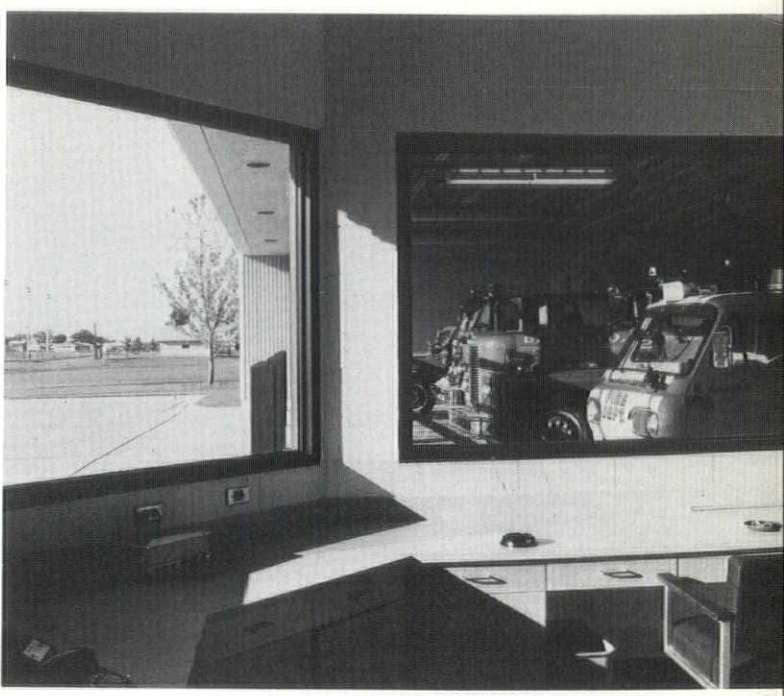


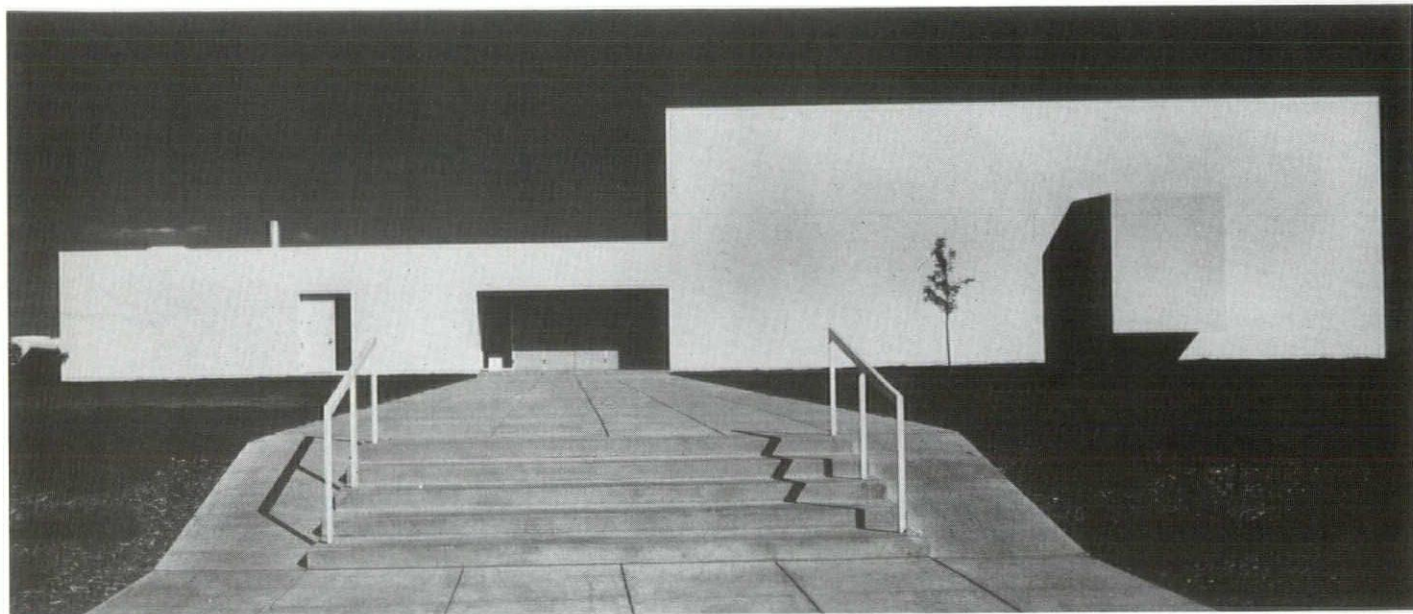


NEED: A small building to serve the requirements of a volunteer Fire Department for a community of 35,000.

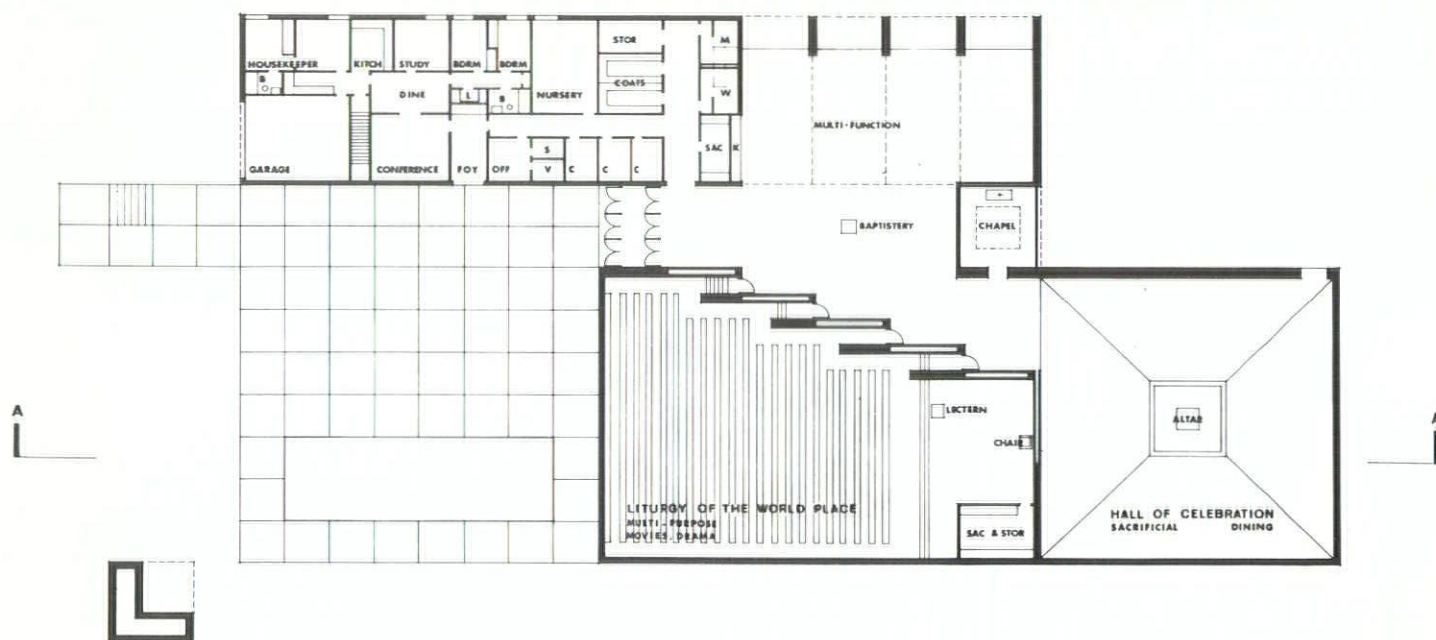
GOAL: Building to relate well to surrounding neighborhood but at the same time retain its distinct character as a public service building.

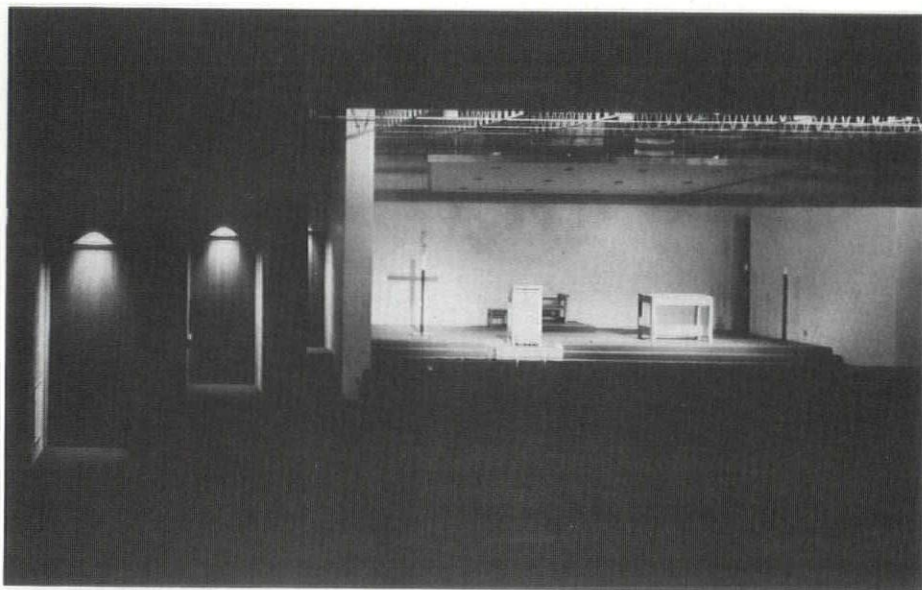
SOLUTION: A simple rectangular building mass, unpretentious and restrained.





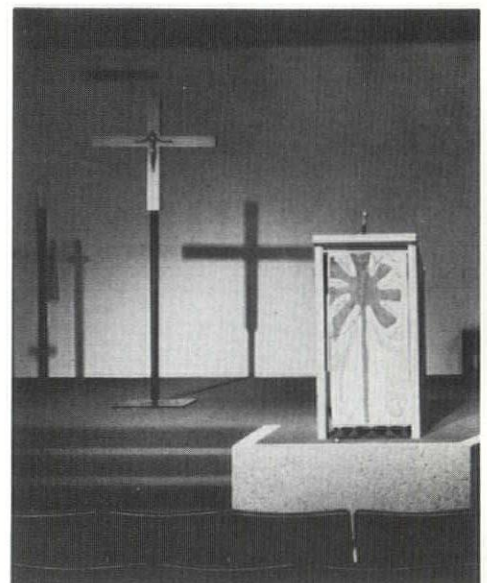
Church of Saint Rita
Cottage Grove, Minnesota
Hammel, Green, and Abrahamson



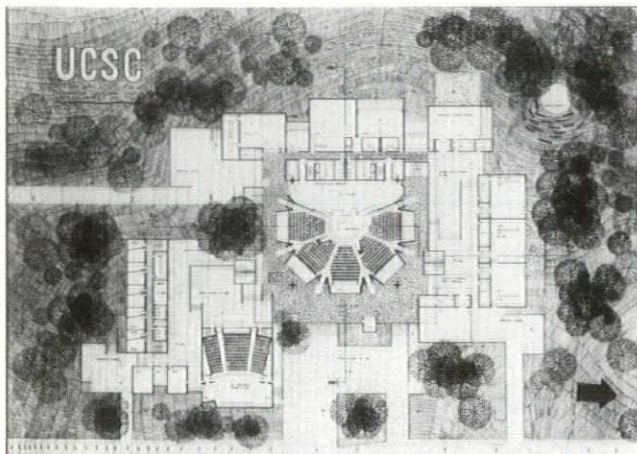


NEED: A parish center for a suburban bedroom community of low income families.

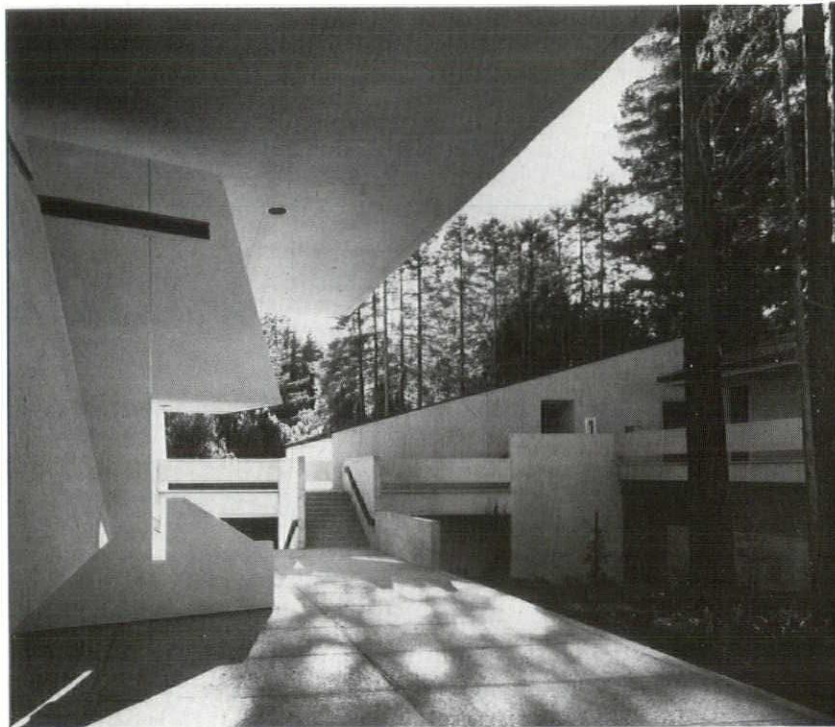
GOAL: Inexpensive, honest architecture with special attention to the distant views to the north.



SOLUTION: A concrete block, simple form with two distinctively different worship spaces — Liturgy of the Word Place and the Hall of Celebration.



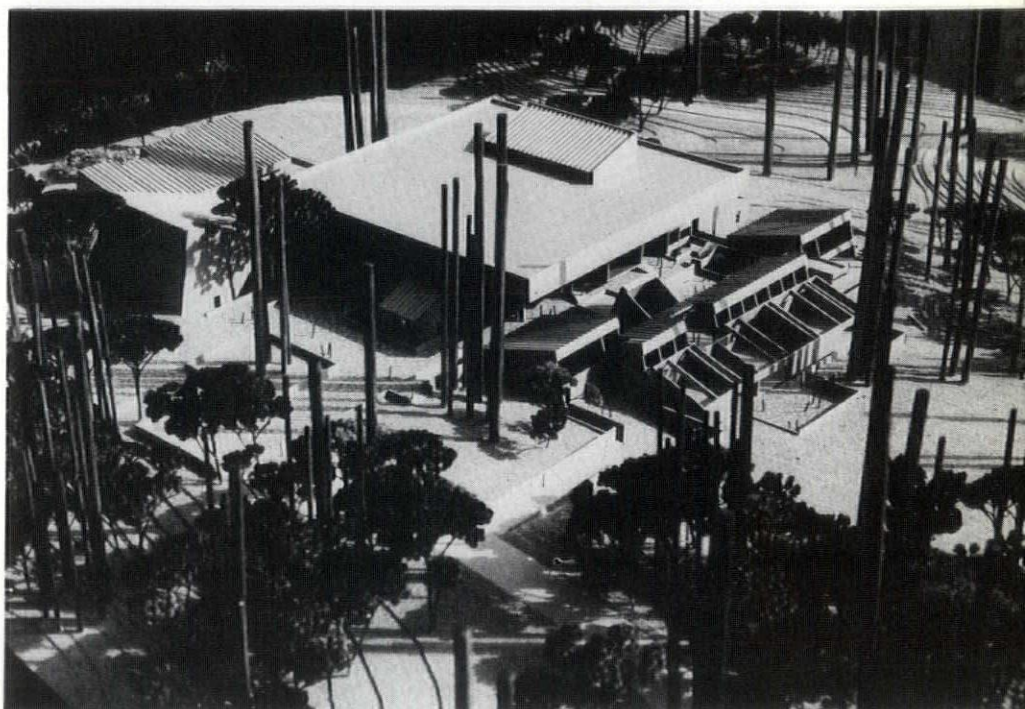
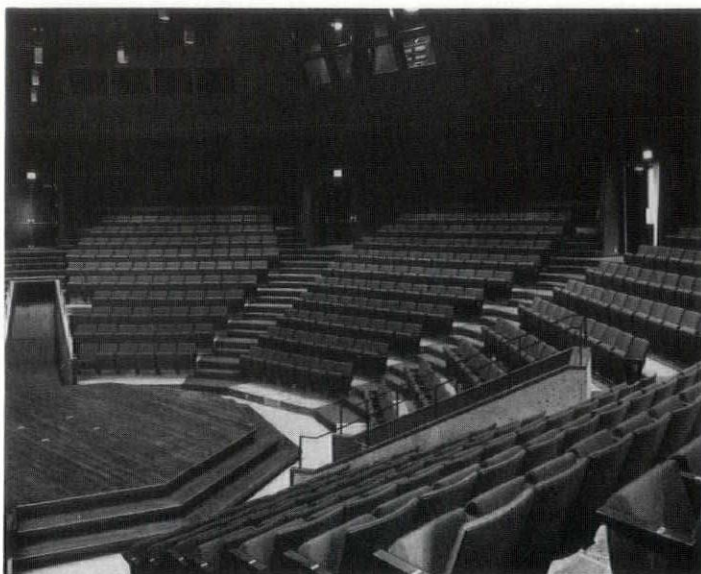
**Performing Arts Center,
Santa Cruz
University of California
Santa Cruz
Ralph Rapson and Associates**

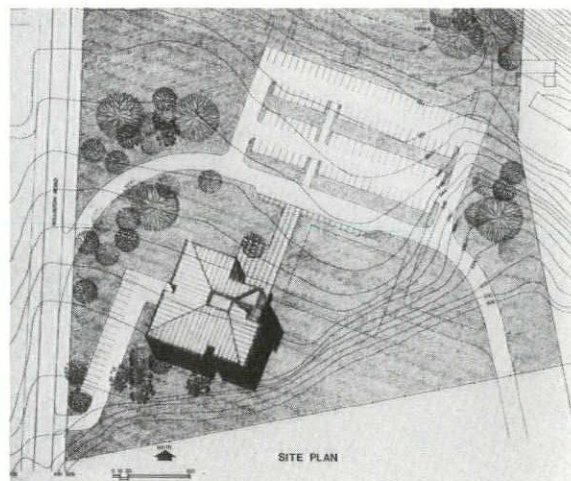


NEED: A center for the arts, related facilities for theater, music, dance and the visual arts.

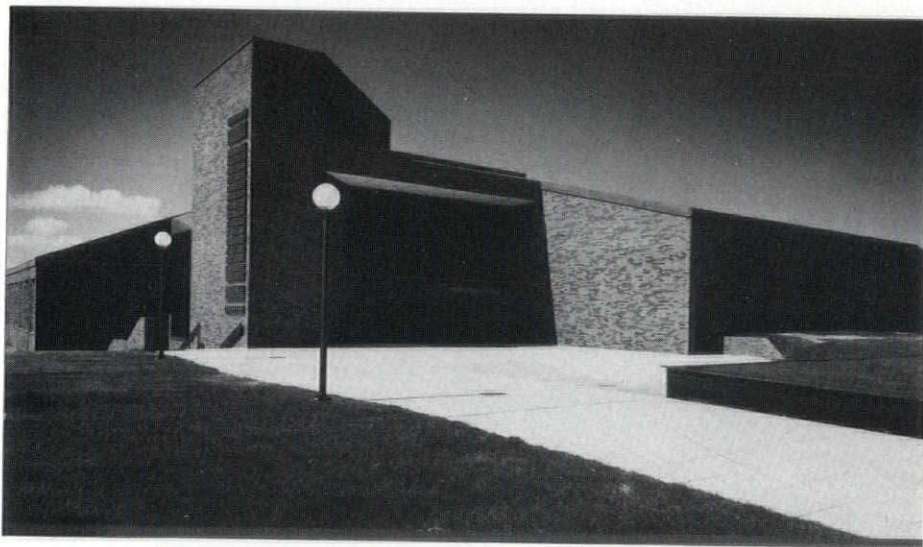
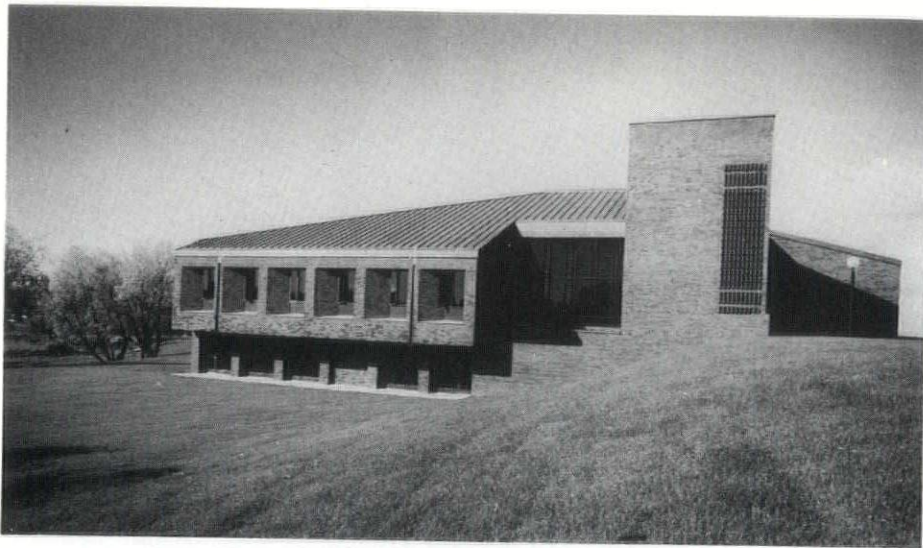
GOAL: To make the center one of the main foci for campus and community life.

SOLUTION: A theater and drama department as the central focus with flanking art and music departments. A large lid covers the theater and unifies the various related building groups.





**Minnetonka Municipal Building
Minnetonka, Minnesota
Thorsen and Thorshov**

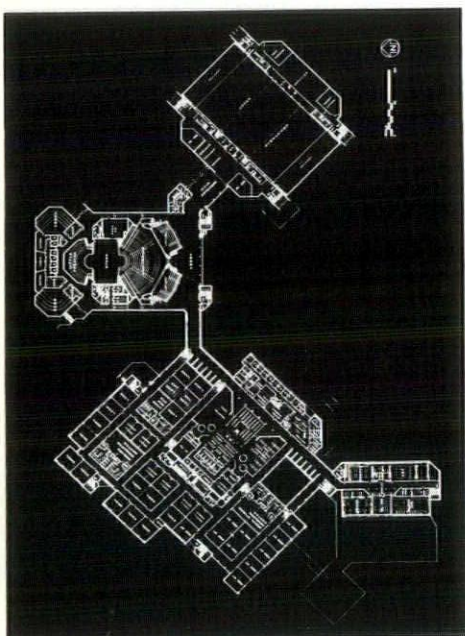


NEED: A new city hall on a large site for a suburban community.

GOAL: A total development plan for an active civic center with the city hall as the focus.

SOLUTION: Two levels under a copper clad simple roof/form. Future expansion by the addition of a floating mezzanine over the first floor loft area.

Neil A. Armstrong Senior
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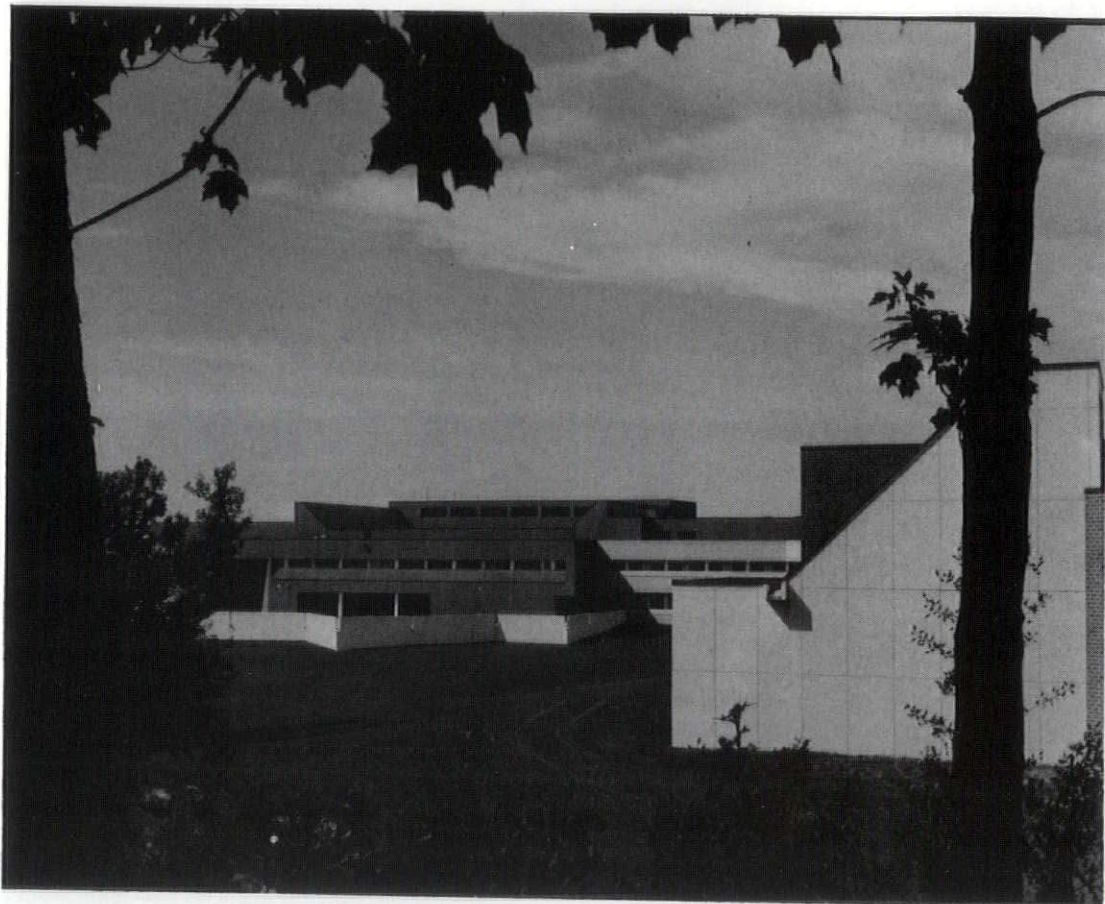




NEED: A Senior High School for 2,400 students on a wooded 54 acre site

GOAL: An inviting flexible building that accommodates the natural amenities of the site

SOLUTION: A campus plan with building units connected by a major concourse which follows an irregular ridge & bridges the natural ravine that bisects the site.



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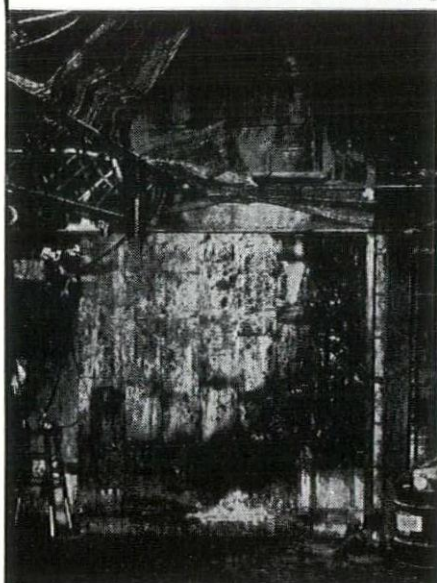
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Architect: John Portman, Atlanta

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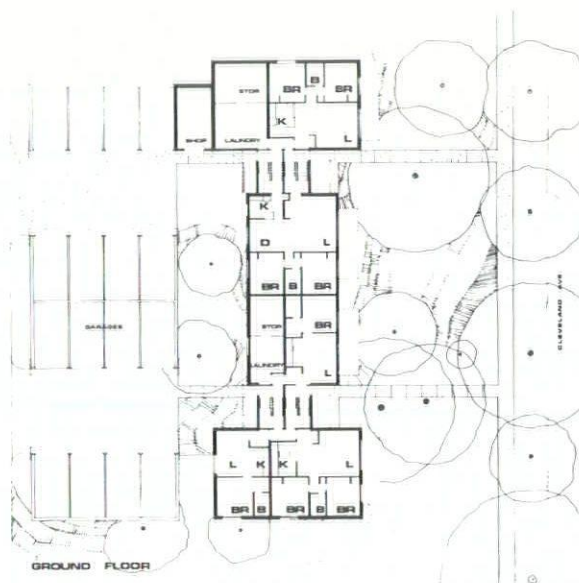


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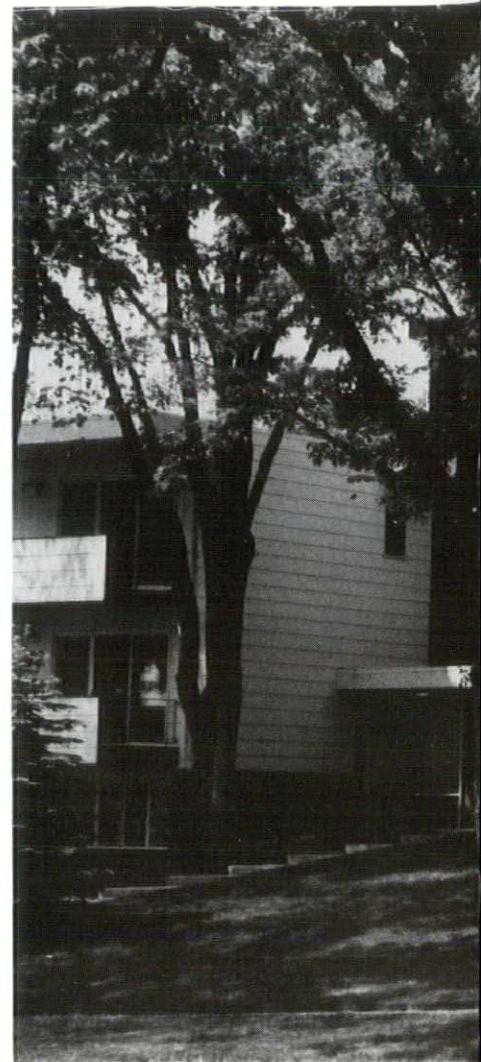
Cleveland Terrace — Twin Cities First Archi- tecturally-Designed Condominium

by
James I. Brown

For years, dutifully, I mowed our lawn as the sun and rain demanded, shoveled our walks and driveway when the snow came, and struggled through the usual change-overs from screens to storms and back to screens, as the seasons dictated. And for years I noticed that these demands on my time seldom coincided with the leisure that would make them, if not exactly pleasurable highlights, at least much less annoying or frustrating.

My talk of these problems with a friend got me this advice: "Move into an apartment. You'll solve all those problems." I pointed out that such a move would just mean changing one set of unwanted problems for another. With our own home, we had sizable tax and interest deductions which would be lost completely if we moved into an apartment. Furthermore, increases in rent might well force us into frequent traumas of decision making, necessitating subsequent moves into other apartments.

What do you do about problems of this kind? Where do you go for help? Where, indeed? Nowhere I could think of. They're hardly problems to take to a psychiatrist!



Then came a flash of insight. To an architect! Perhaps the most overlooked role an architect plays is that of problem-solver for exactly such problems. The stereotype of an architect as a designer of buildings had blinded me to his role as designer of life style and quality.

Sure enough — consultation with our architects uncovered a new concept — condominiums — entirely new to the Twin Cities area. It seemed to provide the best of all possible worlds. It combined the pleasures and advantages of homeownership with the freedom and advantages of apartment living, eliminating most of the disadvantages of both. Since it was possible to acquire the three and a half lots immediately south of our present home in the residential area known as St. Anthony Park, we did acquire those lots and set the architects to work.

The architects met a difficult three-fold challenge with amazing perceptiveness.

In the first place, they had to design one large building with fourteen apartment units, covering almost 3½ city lots, in such a way as to

Cleveland Terrace Apartments
1261-69 No. Cleveland Avenue
St. Paul, Minnesota

Completed March 1970
Architects: Close Associates, Inc.
Builder: Paul Larson Construction Company

NORTHWEST ARCHITECT



fit attractively and appropriately into a quiet residential area. Since the project required re-zoning to permit any apartment to be constructed, the design was crucial. If the neighbors in the block did not want such a large building, they had only to refuse to sign the petition and the whole project would fall through. The architects solved this problem by using color and variations in setback and contour, to give the appearance of three almost separate buildings rather than one large one. This pleasing design made it possible to get the required signatures without too much effort.

The second problem, architecturally speaking, was to design each separate apartment unit to seem like a home, not an apartment. Room proportions and window placement were quite important. How often in an ordinary apartment do you have more than two exposures? In the Cleveland Terrace design, even a one-bedroom apartment had three exposures — north, south, and west! All three-bedroom apartments had four exposures, just as in a single home. Privacy was another quality to be designed into each apartment.

This meant extra sound-proofing to give each owner a feeling of being in his own home, not being aware of others below, above, or next to him. Suspending the ceilings helped to minimize noise and vibration from one floor to the one below. In addition, the building was designed so that no door opened unto a hall opposite another's door. Each entrance was a half flight above or below, again adding to a feeling of privacy.

Finally, the third problem to be solved was that of designing the entire building as well as each individual unit so as to take an absolute minimum of maintenance, upkeep, and repair. For example, Anderson Perma-Shield windows provided ideal insulation and eliminated the need to re-putty, re-paint the trim, or store storms or screens. The garages were cement block construction, with fiberglass doors which never need painting. The white siding had a special baked-on plastic finish which was guaranteed not to crack, blister, check, or peel for a period of ten years, and guaranteed against hail damage for 25. Such things minimized demands on time, effort, and money, giving us a real feeling of

freedom.

Certainly the architects had met head-on the many problems of designing living space for the best of all possible worlds.

Now came the bids and the settling on a contractor for what appeared to be about a \$400,000 project, including the cost of the 3½ lots, the architectural and legal services, plus the services of a mortgage broker to provide the financing and administration of construction. The mortgage broker stipulated that seven of the fourteen units would have to have buyers in advance of construction. They would then arrange individual mortgages requiring 30% cash, the remaining 70% to be paid over a 20-year period, with interest at 8%.

The project was shaping up nicely. We lined up four definite buyers. If we and the architects agreed to take three apartments, that would give us the seven units needed to begin construction.

Then, just days before the final papers were signed with the mortgage broker, the prime interest rate moved up a notch and all those carefully made arrangements col-

(Continued on page 38)

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OFFICIAL FACES

Four distinguished architects were elected to leadership positions by the Minnesota Society of Architects at its annual convention in November. These gentlemen have accepted the challenge of their office as of January 1st and will be directing Society business in 1972.



Saul Smiley, AIA, is the new wire-rimmed Vice President of MSA. He received his Bachelor of Architecture from the University of Minnesota and in 1946 founded his own firm of S. C. Smiley and Associates. In recent years he has served as president of the Minneapolis Chapter of the AIA and as a director of MSA from the Minneapolis Chapter.

President **Bruce Abrahamson, AIA**, Hammel, Green and Abrahamson, Architects-Engineers, St. Paul, is easily identified by his mild mannered bow ties. Mr. Abrahamson is president of his firm and is past Vice President of the Minnesota Society of Architects. After receiving a Bachelor of Architecture degree from the University of Minnesota and his Masters degree from Harvard, a Rotch Traveling Scholarship provided a year of study in Europe.



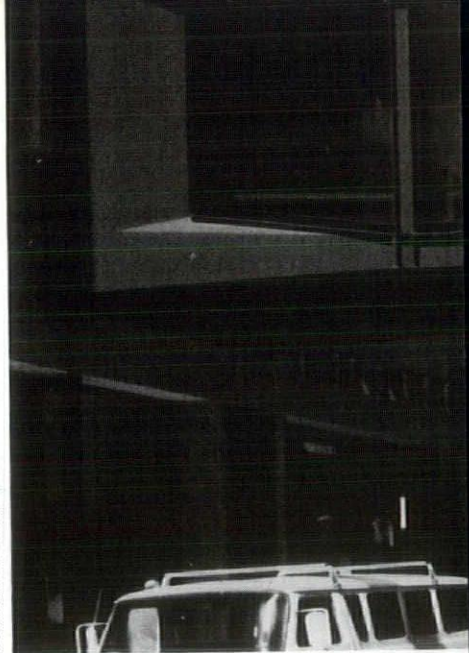
Secretary, **John Weaver**, associate with Haarstick Lundgren and Associates, is a distinguished bearded gentleman. Mr. Weaver has been a director of the MSA from the St. Paul Chapter of the AIA for the past three years. He earned a Bachelor of Architecture degree from the University of Nebraska and did graduate work at the Massachusetts Institute of Technology.



O. Rueben Johnson is often seen peering over his glasses when financial questions are raised. This is Mr. Johnson's second term as treasurer. He has been Vice President of Buetow and Associates for eight years, prior to which he was a partner with Adkins-Johnson Architects. Johnson received his Bachelor of Architecture degree from the University of Minnesota and Master's from the Massachusetts Institute of Technology.

Sidewalks in the Sky

MINNEAPOLIS SKYWAY, CERNY ASSOCIATES, INC.



The sky's the limit for sidewalks in a growing array of U.S. cities. Pedestrian crossings that arch between buildings, span streets, separate vehicles from walkers, and unite buildings or whole parts of cities above street level are completed, under construction or proposed in such diverse cities as Minneapolis, St. Paul, Reno, Memphis, Atlanta, Denver, Cincinnati, Rochester, N. Y., Springfield, Mass., and Washington, D. C., The American Institute of Architects has reported.

"Given an improvement in the economy and more mortgage financing for construction, I'd say we will see a tripling or quadrupling of elevated passageways in this country in the next 10 years," predicts Brock Arms, AIA of Glencoe, Ill. Arms was the architect who designed pedestrian bridges and walkways that will link 40 buildings in the Rosslyn complex at Arlington, Va., across the Potomac River from Washington, D. C.

These trends are spurring construction of above-grade sidewalks: a marriage of private

owners and city planners to jointly plan downtown renewal, growing use of air rights, efforts to ease congestion on streets and a tendency to treat urban development as a super-block, district or zone instead of a collection of individual buildings which may not relate to each other efficiently. The AIA calls this concept urban design and says it requires teamwork by design professionals, support by land owners and city staffs and understanding by citizens.

"Originally Arlington County looked at the pedestrian bridges as a solution to Rosslyn's vehicle and people traffic crush," explained Richard Arms, AIP, former county planning director. "Now we see the overhead sidewalks as much more, as a unifying force tying the development together and making it work."

"What these connections can do" in a reviving older part of a city "is to provide a quick and easy way of overlapping the old with the new," noted George Marcou, AIP, a Washington planning consultant who in-

cludes elevated sidewalks in plans in Rochester, Springfield and Washington.

A San Francisco owner wanted to unify two old storage warehouses into what would be cheaper and quicker sale showrooms discovered would be cheaper and quicker to construct a \$120,000 five-level steel and glass pedestrian bridge than to persuade citizens to vacate an alley. The tasteless bridge by architect Albin Aronson, AIA, and engineer O. Avvakumovits was one of the projects cited as outstanding last year by the American Institute of Steel Construction. The alley is still open to traffic but no cars drive through it now.

Cincinnati, St. Paul and Minneapolis probably have the most extensive plans for elevated walkways.

By 1973 the Ohio metropolitan area expects to have a 12-block, second-story pedestrian concourse which will cost from \$12 million to \$15 million. Already three blocks of the system are built and a fourth is under construction. "Just like an octopus, a central spine will have legs at



grow in several directions," points out Paul Ashworth, graduate architect in Cincinnati's urban development department. The old river city "has a very narrow street system and a very compact business district." Thus, the second-level sidewalks, which open to hotels, stores and parking, have great attraction, said architect Willard C. Pistler, AIA, who designed the Cincinnati Inn that opens on the concourse. "We wanted to maintain this tight business area which brings convenience to office workers, shoppers and convention goers and we also had to separate trucks and cars from pedestrians, the concourse evolved," he explained.

Cincinnati and St. Paul are paying for the skywalks out of urban renewal funds. Minneapolis' extensive system so far has been purchased by private land owners and building developers. Other cities use a combination of public and private money and all require some form of contribution from private owners.

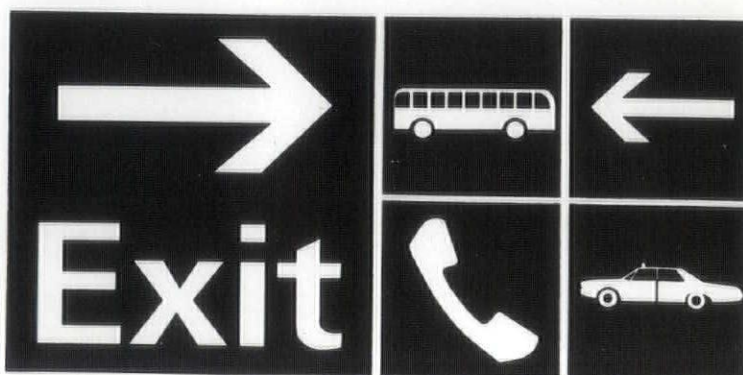
St. Paul is organizing a 12-block downtown, second-level pedestrian system which goes to and through some key buildings. In 1968 the skywalk scheme received a national design award from HUD. Including bridges and payments to land owners, walking above street level throughout the central business district will cost St. Paul from \$4.5 million to \$5 million. Two of the skywalks are completed and two more were started recently. "We look at them as normal sidewalks, as a public right-of-way, even though they're not at street level and the city maintains them as it would sidewalks," said Donald W. Cosgrove, chief of planning for the city's urban housing-renewal authority. He said the overhead sidewalk loop should be finished by the end of 1973.

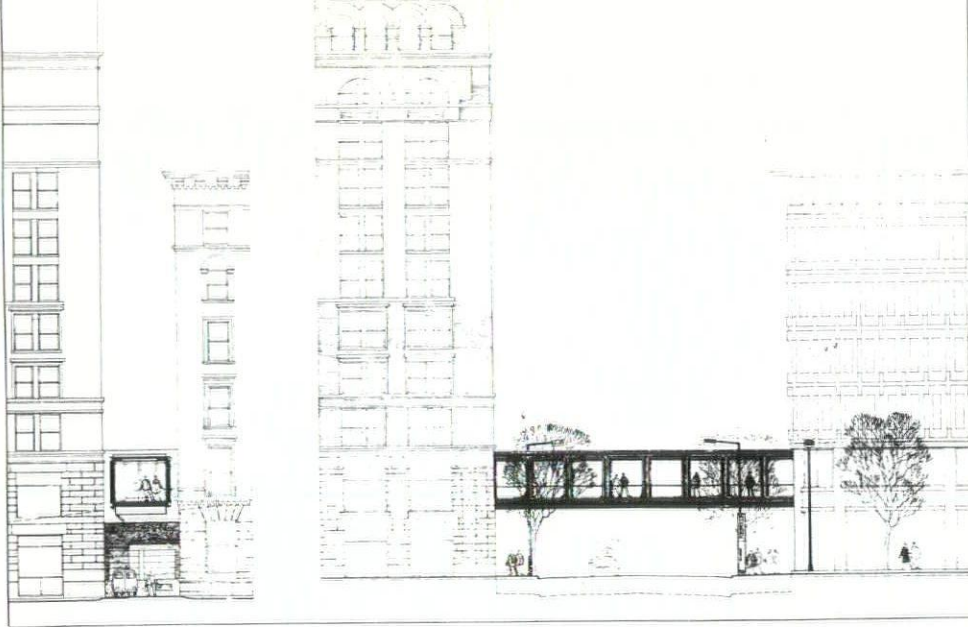
Almost 10 years ago Minneapolis started moving pedestrians through the Minnesota winters and above traffic by way of enclosed, heated street bridges. The passageways go to banks, insurance office buildings, parking, shops, a large

department store and a major hotel. The city now has seven skyways. "We could end with 55 street crossings," said City Engineer Clayton A. Sorenson. "The key is how you connect them. You have to go through buildings. You have to convince businessmen that the passages create new areas of rental space and higher rentals." Sorenson thinks Minneapolis can prove this. Two of the bridges — graceful slivers of glass and steel — won a 1970 National Honor Award for design excellence from AIA for the architectural firm, The Cerny Associates Inc. of Minneapolis.

Although the city has a skyway plan — charting where it would like the crossings to move — it does not demand uniform architecture. "Each one is individually designed," noted Sorenson. In Rosslyn, St. Paul and Cincinnati, however, the overhead walkways, share a common design. "My job at Rosslyn," recalls Brock Arms, "was to design a bridge which could be lengthened or raised, could link dissimilar architecture and still be simple and at-

SKYWAY GRAPHICS





tractive." In St. Paul, Bruce A. Abrahamson, AIA, designed the exposed steel pedestrian concourse so it would appear simple "and universal to successfully connect buildings of various styles," said Cosgrove.

Pedestrian crossings can be used for more than movement, as shown by Florence, Italy's famed Ponte Vecchio bridge which contained shops as early as the 1300's. Two service crossings astride Illinois tollway segments near Chicago have large restaurants as well as service stations. Between Denver's Hilton Hotel and May-DF Department Store a bridge supports a restaurant. Denver's new exhibition-convention hall is connected to its auditorium by a bridge which also offers a restaurant. Cincinnati's elaborate one-mile system of second-story sidewalks already invites strollers to a small, landscaped plaza atop a truck delivery depot.

Shops, eating facilities, ticket agencies could be located adjacent to many of the upper-level sidewalks being planned. In Reno, a three-story Visitors'

Center has been proposed which would span historic Virginia Street near the start of the Nevada city's tourist-gambling quarter. Urban design students from the University of California in Berkeley presented the concept to RENOvation Inc., reported Edward S. Parsons, AIA, a RENOvation trustee and president of AIA's Nevada chapter. The center would cost from \$500,000 to \$750,000.

Elevated sidewalks are being planned in some cities as extensions of platform development, which uses air rights. Memphis' 16-acre Operation Breakthrough site, where HUD and private companies will erect housing units as part of a nationwide drive to manufacture factory-built, quality shelter, is in a bowl, site of old railroad tracks. Louisville architects F. R. Louis, AIA, and A. R. Henry, AIA, proposed elevated sidewalks which will carry residents from the platform over parking to recreation and transportation outside the bowl. George Washington University in the national capital's Foggy Bottom neigh-

borhood is considering uniting a new library and faculty office building, over parking, by means of pedestrian bridges which would be extensions of open decks.

"It would be cheaper to close streets," admitted George Marcou, "but that can take a great deal of time and the effort often is not successful." "You want to provide these connections in ways that maximize the movement and pleasure of people," noted Marcou. He included pedestrian bridges and walkways in plans for Bay State West stores, parking, offices and a motel in Springfield, Mass., in Rochester, N. Y., to connect Midtown Plaza and Xerox headquarters to parking, and in New Orleans to open the Mississippi River promenade to French Quarter visitors.

A spectacular sidewalk in the sky has connected the Wrigley Building's two sections in Chicago since 1931 at the 14th floor but it is not open to the public. San Francisco's Hilton Hotel has just installed a 41-ton steel walkway from its 16th floor to a

rooftop swimming pool for use of guests.

Atlanta's Peachtree Center has become perhaps the top tourist attraction in town by offering the public 766 feet of carpeted aerial walkways, including two that are 22 stories in the air connecting the Gas Light Tower to the Merchandise Mart and the Mart to the main Center building. Architect John C. Portman, Jr., FAIA, expects additional walkways as Peachtree Center expands. Beside providing an alternate traffic route, the eight- to nine-foot wide carriers also "provide a needed visual connection," said Portman.

Cost of aerial walkways is but a small fraction of overall project costs, said Portman. It has ranged from \$10 to \$100 per square foot for his crossings. The Rosslyn pedestrian bridges, from 12 to 15 feet wide, have run \$75,000 to \$110,000. "The cost is really minute when you think of a \$5 million building," says Marvin F. Weissberg, the key Rosslyn developer. Minneapolis' skyways "used to cost around \$80,000 apiece. Now they're run-

ning \$100,000 but some are costing double that because they're bigger and more intricately detailed," said Sorenson. Cincinnati figures its elaborate concourse, which runs through alleys, costs around \$1 million per block.

"There's no question this will be done more" as cities struggle to revive, thinks Sorenson.

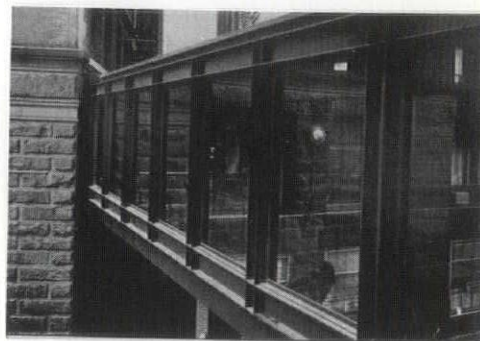
"It's going to become a competitive development. Building owners will have to install the walkways just like air conditioning," predicts Arlington's Richard Arms. "It will become a necessity. The issue will become a matter of how well the sidewalks are treated, whether they are carefully thought out and designed."

Rosslyn walkway designer Brock Arms pointed out "it does require official help from local government to make this happen. First, the great barrier between officialdom and private developers has to be overcome. The places where overhead circulation has occurred are places with aggressive architects and property owners." New York

City, for example, the nation's most densely populated, has few pedestrian bridges. They've been proposed and there have been opportunities to install them. Max O. Urbahn, FAIA, an AIA director, explained: "Manhattan is parcels of real estate, islands. This makes implementation of an overall plan, which would include better pedestrian circulation, difficult."

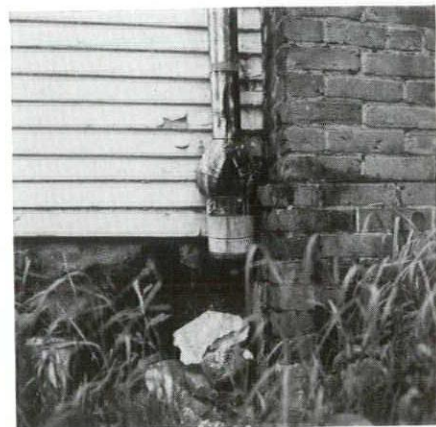
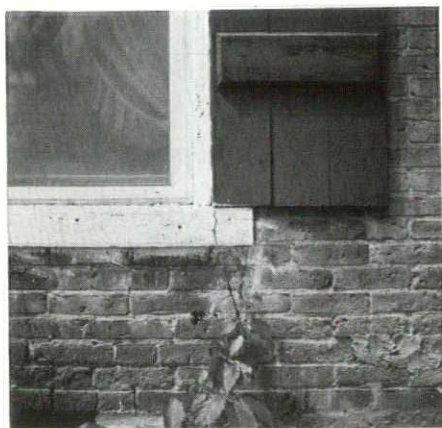
"The problem is to get all 40 property owners, at say a place like Rosslyn, to behave like brothers," noted Richard Arms. "I guess it takes a little government muscle" in the form of new zoning, tax incentives, a mix of urban renewal, "to do that."

"In the past we've divorced all these things — circulation, building, public services. Now we've suddenly got enough examples to see the only way we're going to reinforce urban life is to integrate these systems," said Brock Arms.



ST. PAUL SKYWAY, HAMMEL, GREEN AND ABRAHAMSON, ARCHITECTS-ENGINEERS

The Gideon Pond House



There is an increasing awareness that our environment must recognize the beauty and character of the past in order to build the future with integrity. The recent acceptance of the Gideon Pond Home, Bloomington, Minnesota, to the National Register of Historic Sites, Buildings and Districts exemplifies the concern of Minnesota architects for the preservation of historic resources.

The cubical brick home of Gideon Pond is an excellent example of pre-Civil War architecture. Built 115 years ago, this structure is described by Foster Dunwiddie, AIA, as "a rare (for Minnesota) example of Middle Atlantic style brick house with some Greek revival detail," [Mr. Dunwiddie was instrumental in preparing the application for registration of the Gideon Pond House.]

The exterior of the house is of symmetrical design carried out on a salmon-colored brick, made by hand on the site. The general detail of the house is classic in character with pine trim. The interior walls and ceilings are plaster and wood lath,

with all areas except the living room retaining the charm of their original wide-board floors.

The character of its builder, Rev. Gideon Pond, is reflected in the dignified nature of the home. There is no presumptuousness and little elegance in this frontier building, yet it is disciplined in the teachings of the lay missionary. The Pond House sits high on a bluff overlooking the Minnesota River where once the Indians, white settlers and military men of the area gathered to hear the scriptures preached.

The Gideon Pond House stands as a historic reflection of a distinctive example of Middle Atlantic style brick house and as the home of one of the most important early Minneapolis settlers. It rightly takes its place on the National Register.

The Historic Preservation Act of 1966 established, under the direction of the National Parks Service, A National Register of Historic Sites, Buildings and Districts. Federal monies are available from this fund and other sources such as HUD to governmental agencies and qual-

ified nonprofit organizations for the restoration and rehabilitation of buildings listed on the register. No federal funds can be expended for preservation of historic sites not included on the list. An agency has been designated in each state to establish a planning program for preservation efforts in that state and to process all nominations to the register. The Minnesota Historical Society, headed by its State Liaison Officer, is charged with this work in Minnesota.

It is anticipated that state preservation funds will soon be available for those Minnesota sites listed on the National Register. If passed, such a state law would require, as does the federal law now, that no government money can be allocated to a project which will destroy or alter a building or district which is listed as a National Site unless it can be shown that the change is in the public interest.

A building may merit preservation consideration for one or more of three factors: historic association, sentimental attachment, architectural merit. While the State Historical Society is

NORTHWEST ARCHITECT



well qualified to assess the relative value of the first two, it has asked architects to assist in the nomination of buildings which are distinctive examples of a style or architecture or type of construction; or a typical illustration of a building type once prevalent in the region. Because a building is at its best when seen in the context of its original setting, consideration is to be given to the nomination of important districts still relatively intact, such as the lower Summit area in St. Paul, warehouse and milling districts in both of the Twin Cities, and possibly the whole villages of Old Frontenac, Marine on St. Croix, Wasioja and others. The society particularly asks that architects recommend buildings and districts architecturally worthy of preservation and complete those sections of the nomination forms requesting building description and the reasons for its significance.

The promise of rehabilitation and restoration funds and the hope of time delay when governmental projects threaten demolition, put more teeth in this law

than was available in other studies such as the Historic American Buildings Survey which catalogued 15,000 historic landmarks since the 1930's, over half of which has since been destroyed. The presence of a building on the National Register demonstrates its significance as a historical resource, thus, dispelling any arguments that endanger its preservation.

The cubical brick home of an early missionary, built 115 years ago in Bloomington, Minnesota, has been accepted for the National Register of Historic Sites, Buildings and Districts. The Gideon Pond home was nominated by the architects of the state through the Historical Society, to the National Parks Service, which administers the Register through an act of 1966. It will receive protection by law, and may receive public funds for restoration and maintenance.

The house is a fine reflection of the character of Gideon Pond, who was a man of courage and venturesomeness, and also a thoughtful and disciplined scholar.

The Rev. Gideon H. Pond was born in Connecticut in 1810. He and his brother Samuel came to Minnesota in 1834 as lay missionaries to tutor the Dakota Indians in farming, domestic arts and Christianity. They began their work near Lake Calhoun, but later moved the mission to the bluff overlooking the Minnesota River where the house now stands. A school building was adjacent.

The brothers Pond knew Hebrew, Greek, Latin, French and spoke the Sioux language fluently. They developed an alphabet and published a spelling book, a dictionary, translations of scripture and other writings. They served the Indians and also the white settlers and military men of the area. The First Presbyterian Church of Oak Grove was organized in the Gideon Pond home in 1855, and the Rev. Mr. Pond was its pastor for 18 years thereafter. He died in 1878.

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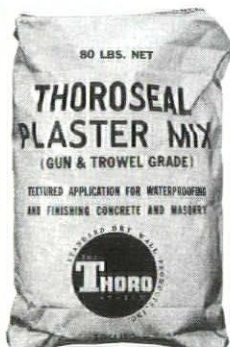
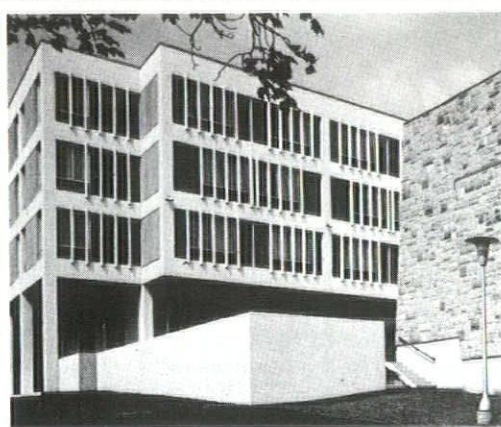
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REVIEW

AMERICAN ARCHITECTURE AND URBANISM
by Vincent Scully Frederick A. Praeger, Publishers, New York

The urbanity, wit and scholarship Vincent Scully injects in this work make for enjoyable, and often infuriating reading. He is frequently opinionated, prejudiced, affected and mocking. Scully sets out to concern himself with "the meaning of American Architecture and with an assessment of the kind of human environment it has created". He reviews the rise of American architecture carefully and at times lyrically and relates its development to the rise of urbanism in America. In many ways, the new urbanism is modern architecture. With modern

architecture, however, Scully challenges Giedion, Gropius, Breuer and the whole Harvard group, including the second generation leaders; Philip Johnson just barely escapes his wrath.

His method seems all the more regrettable when it becomes clear that what he has been working up to all this time is Robert Venturi.

Scully is well known as one of Venturi's most articulate propagandists and in the end this book is a well done tracte raisonné for Venturi. Venturi's principles of "accomodation" in architecture are very convincing and were both prophetic and influential at the time his book "Complexity and Contradiction in Architecture" was published. Scully's book is exciting and will be rewarding for those who care about the development of the most recent images in architecture. —TSA

AREA NOTES *Cont.*

Elving And Associates, Inc. Architectural, Engineering and Planning Firm. Howell is a graduate of the University of Kansas.

JAMES M. COOPERMAN, ARCHITECTS have moved to new offices at 400 Shelard Plaza South, Mpls. 55426.

... and Projects Minnesota

BAKER ASSOCIATES, INC., Mpls. architects are working with General Contractor D. W. Harstad Co. on a negotiated contract for construction of the Blaine State Park Building.

GRISWOLD AND RAUMA, INC. have completed plans for a Dental Clinic in Brooklyn Center. The one story structure will have metal stud walls inside and out.

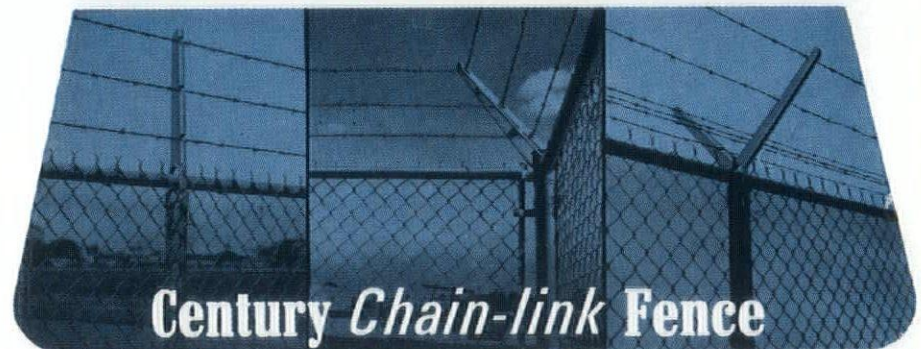
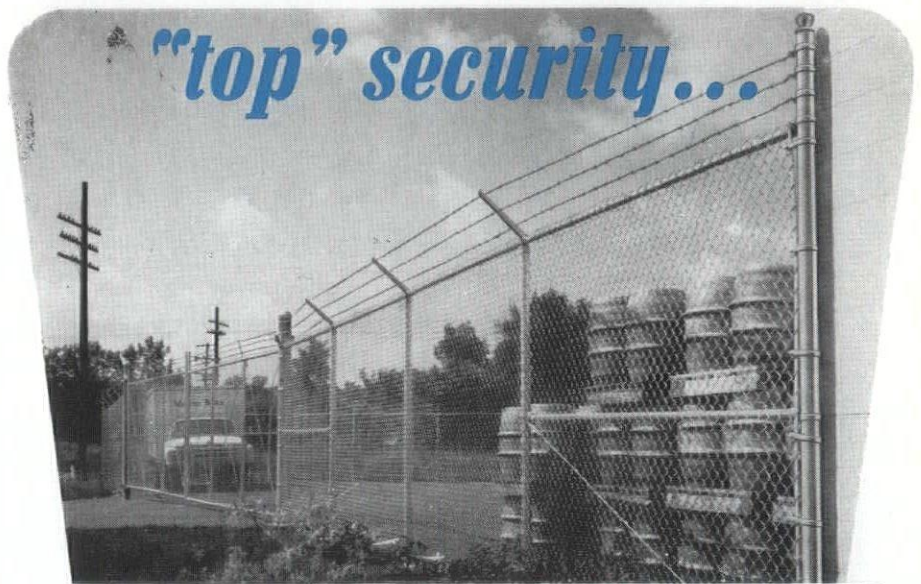
Final approval of Coon Rapids authorities was granted a 500 unit apartment project designed by **MILLER, MELBY AND HANSON** of Mpls. Also in Coon Rapids approval has been achieved for a 53 unit development planned by **JEAN PAUL BADINGER**, Mpls. Architect.

The Sweitzer of Edina Nursing Home is under construction in Edina. The building was designed by **WALLACE AND MUNDT ARCHITECTS** and will provide care for 169 patients.

A computer facility for Burroughs Corp. is being built in St. Paul's Riverview Industrial Park. Designed by **COTTLE-HERMAN ARCHITECTS, INC.** the project will complete Burroughs Branch Headquarters facility.

Frederick BENTZ/MILO THOMPSON AND ASSOCIATES have completed plans for a Student

JANUARY-FEBRUARY, 1972



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Union Building at Concordia College. The estimated \$600,000 building encloses about 23,800 square feet.

ELDON MORRISON, White Bear Lake architect has an estimated \$222,300 Townhouse Complex under construction in Edina and is working on plans for a retail store and apartment project in White Bear Lake.

PLAGENS and McGEE, INC. have completed plans for a five story Andrew Board and Care Home to be built in Mpls.

The **CERNY ASSOCIATES** are negotiating an estimated \$4.5 million construction contract with Gunner Johnson & Son for a 24 story apartment structure in Mpls.

BAKER ASSOCIATES have completed plans for a three story home for Home Federal Savings and Loan Association in the I.D.S. Tower Annex.

ARMSTRONG, SCHLICHTING, TORSETH AND SKOLD are working on preliminary plans for a new Junior High School for Shakopee.

Architects **MATSON AND WEGLEITNER** of Mpls. have been selected by the Lakeville Board of Education to undertake expansion of their school facilities.

Architect **ROGER JOHNSON AND ASSOCIATES** have completed plans for an addition to the Mpls. Veterans

Hospital and are supervising construction of the Westonka Branch Library.

HAMMEL, GREEN AND ABRAHAMSON, St. Paul Architects are supervising construction of the Northeast Community Library Building in Mpls. and a classroom building on the campus of Hamline University.

Schematic design was recently completed for Hennepin County Hospital estimated to cost between \$25 and \$28 million. Architects are **MEDICAL FACILITIES ASSOCIATES**, a joint venture of **LIEBENBERG, KAPLAN GLOTTER AND ASSOCIATES**, **S. C. SMILEY AND ASSOCIATES** and **THORSEN AND THORSHOV, INC.**

SETTER, LEACH AND LINDSTROM are supervising construction of a new Senior High School in South St. Paul. The two story brick structure was bid for about \$2.2 million.

Plans are complete for the West St. Paul Civic Center Arena. Designed by **ADKINS-JACKELS ASSOCIATES** the building features laminated arch beams and cedar shakes.

RUTTER AND KASIR, Moorhead H. E. Firm have completed plans for a new church for St. Joseph's Parish in Ada. The church will seat 403 people.

SMITH ARCHITECTS, INC. of Bloomington have finished drawings for the Camp Friendship Main Lodge in Annandale. The structure replaces the main lodge which was destroyed by fire.

MELANDER, FUGELSO AND ASSOCIATES of Duluth are supervising construction of an administration building project on the University of Minnesota, Duluth campus.

Architect **ROBERT Y. SANDBERG ASSOCIATES** of Hibbing are supervising construction of additions to two schools for the St. Louis County Board of Education. Also under construction is Sandberg's \$250,000 elementary school in McGrath.

Construction has started on a 40 bed addition to Greenbush Community Hospital. Plans were drawn by **PATCH, ERICKSON, MADSON AND HANSON**, Mpls.

A clinic addition to Memorial Hospital at Long Prairie has been designed by **ZEJDLIK, HARMALA, HYSSELL, MACKENZIE, DELAPP ARCHITECTS**. The building will feature an 18 foot diameter skylight.

Olivia, Minnesota passed a bond issue for a new vocational wing to the high school. Architects are **MATSON AND WEGLEITNER**.

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TOLTZ, KING, DUVALL, ANDERSON AND ASSOCIATES, a St. Paul A-E firm, have been selected to design a classroom addition to a high school in Sleepy Eye, Minnesota.

The Willmar Technical Institute will get a new \$815,000 shop building. Designers of the project are **TRAYNOR, HERMANSON AND HAHN ASSOCIATES** of St. Cloud.

Winona State College is building a general classroom building, to cost \$2.3 million. **W. SMITH ARCHITECTURAL AND ENGINEERING SERVICES** was the design firm of the 3 story masonry building.

S. C. SMILEY AND ASSOCIATES have completed working drawings for an estimated \$9 million addition to Mercy Hospital in Coon Rapids.

Architects **ELIZABETH AND WINSTON CLOSE** are developing plans for a Freshwater Biological Institute. Total project cost is estimated to be \$4 million; site is on Lake Minnetonka.

STAHL-WOLF-PETERSON, INC., have completed plans for an office and manufacturing facility for Lake Street Industries in Plymouth. A low and moderate income housing project is being planned for Richfield. Architect for the \$4 million project is **MILLER, MELBY AND HANSON** of Mpls. The project has federal financing under the 236 program and will contain 234 units.

PATCH, ERICKSON, MADSON AND HANSON, INC. are part of a team studying a possible domed football stadium to be east of the present Met Stadium. The Bloomington and Richfield city councils have instituted the study.

BISSELL, BELAIR AND GREEN presented estimates for \$11 million to the Mounds View School District recently. The proposal includes expansion of Irondale High School and construction of a new junior high to house 900 to 1200 students.

The Dakotas . . .

HENGEL ASSOCIATES, Rapid City, S.D. Architect has completed plans for remodeling of the Evangelical Freed Church of Rapid City.

KOCH, HAZARD AND ASSOCIATES of Sioux Falls, S.D. are supervising construction of the Westwood Branch of the Northwestern National Bank of Sioux Falls.

Architect-Engineers **KOEHNLEIN, LIGHTOWLER, JOHNSON and MAIER** of Fargo, N.D. have completed plans for a dial office addition for Northwestern Bell in West Fargo, N.D.

A federal office building designed by the **SPITZNAGEL PARTNERS, INC.** Sioux Falls, and **HERGES, KIRCHGASLER AND ASSOCIATES**, Aberdeen, is on display at General Services Administration Headquarters in Washington. The proposed building was selected from Region 6 of GSA.

AUKERMAN and MAZOUREK of Rapid City, S.D. have completed plans for a new school for the Bison, S.D. school district.

MEESE, PETERSON and FOSS, INC. a Huron, S.D. Architect-Engineering firm have completed plans for Phase II of the Webster S.D. Elementary School.

SEIFERT & STASZKO ASSOCIATES of Fargo are working on preliminary plans for an addition to the Fargo Biltmore Motor Hotel and for the Huckes Fine Arts Center at the University of N.D. **WELLS, DENBROOK, ADAMS**, Grand Forks Architects are completing plans for a \$4

million Rehabilitation of Grand Forks.

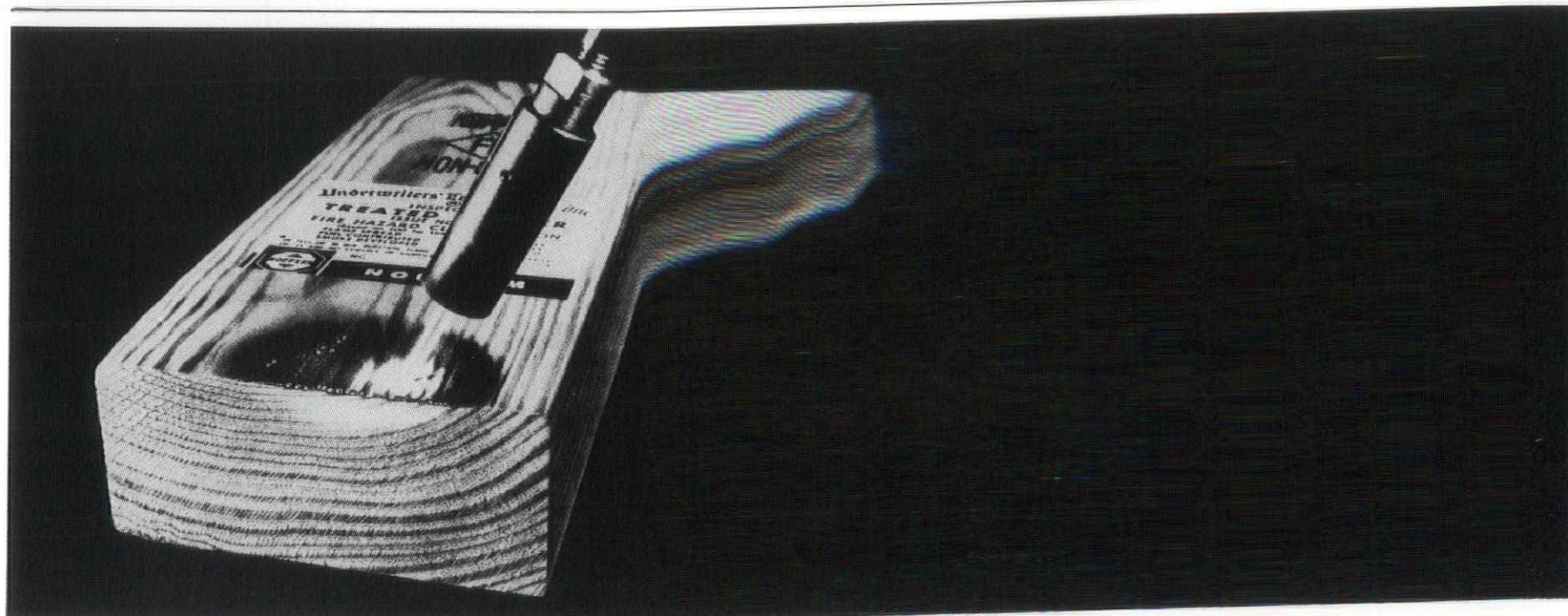
The Bison, S.D. Board of Education has received bids on a new classroom building designed by **AUKERMAN and MAZOUREK and ENGINEERS, R**

MEESE, PETERSON and ENGINEERS, R of Huron, S.D. are starting construction of Phase II of the Webster Elementary School in Huron, S.D.

Wisconsin . . .

STUBENRAUCH INC. of Sheboygan proposed new Junior Rhinelander School

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as the school board's consultant in all phases except the final. Stubenrauch had completed a study of feasibility and use of all school facilities earlier this year.

YWARD W. MEYER AND ASSOCIATES of Milwaukee have completed plans for a Humanities Building at the University of Wisconsin, Madison.

A Physical Science addition will be under construction in Stevens Point for the University. Architects are **SANDSTEDT-OP-YARBO** of Oshkosh.

The Stevens Point campus will also get a new Environmental Science building for which **SAMPLE and COOPER** of Madison have completed plans.

Cleveland Terrace

(Continued from page 25)

lapsed. Overnight, all sources of money dried up — mortgage broker, banks, home loan associations. What do you do when customary methods of financing fail? Toffler would probably call this a good example of "future shock."

The architects had drawn up ideal plans, seven of the units had buyers, the builder was ready to begin. But — without the requisite financing, the whole project was doomed.

Oh for a book, *How to Succeed in Building Your Own Condominium Without Really Enough Money!* Oh for a new concept in financing to meet this new situation!

After much brainstorming, just such a concept began to evolve. It was built around an unusually close co-operative effort between property owners, architects, builder, and buyers, with a lawyer who knew real estate and condominiums well enough to insure the feasibility of the plan.

The architects had to agree to establish an escrow fund together with us, the property owners, thus insuring sufficient collateral to complete the project. The builder had to agree if necessary to accept apartment units in lieu of the usual cash payments, provided some apartment units were not sold by completion or shortly after. The buyers had to agree to schedule their payments to coincide with the estimated need for construction money. Since this eliminated the need for a construction loan at 8 percent interest, the buyers were given a discount of that amount. Actually that amounted to more than 8 percent, since they did not pay the entire amount when work began, but made smaller spaced payments up to closing time. This meant that they could keep part of the full amount at interest until needed, thus getting an estimated 10 percent advantage.

When these steps had been taken, the project had sufficient underwriting to get a bank interested. The bank provided an additional \$78,000 — mortgages on five apartments at 50 percent of full value, 8 percent interest.

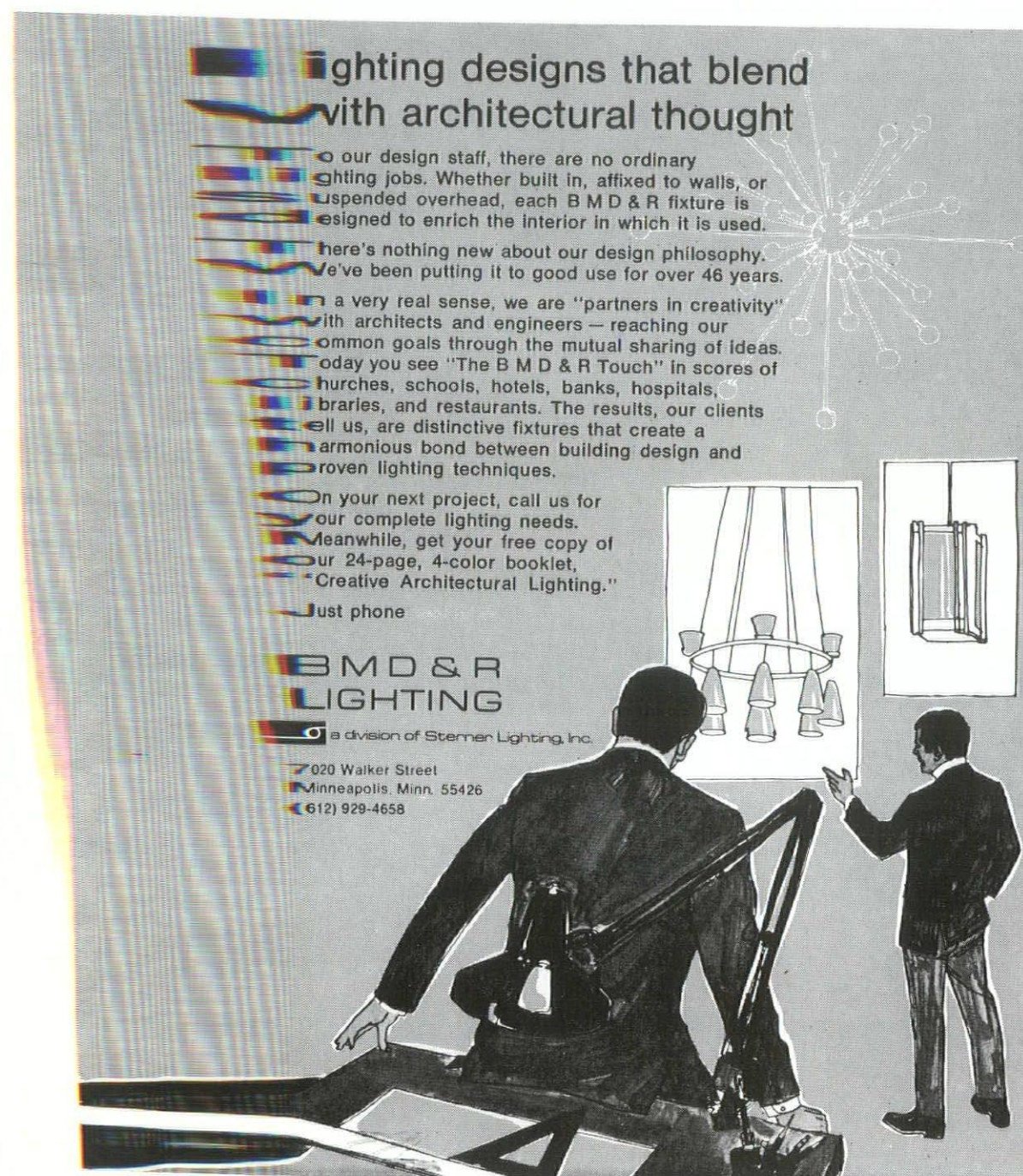
Gradually, like a jigsaw puzzle, the pieces of the new plan fell into place. The construction contract was signed September 5, 1969. Work then began with the assurance of sufficient money to carry it to completion.

Another buyer bought into the project in December, two more in March, just months before the closings in May. These sales diminished the drain on the escrow collateral. The closings went without a hitch. Cleveland Terrace had become a reality.

One young couple, shortly after moving in, made history by being the first couple in the State of Minnesota to have a baby born to them while living in a condominium. The husband is extremely pleased. "We have much more than an apartment," he said. "There's minimal sound transmission between apartments or from the street. No two apartments have egress on the same level, thus there is none of the hallway noise usually associated with an apartment."

With the first condominium successfully completed in the Twin Cities, the way should now be open. Titles are no problems; the Minnesota Bar has not recommended any changes in the condominium law. Both builders and lenders can now look at this promising new development with much more favor as a way of giving buyers the best of all possible worlds — the best in home ownership plus the best of apartment living.

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Our design staff, there are no ordinary lighting jobs. Whether built in, affixed to walls, or suspended overhead, each BMD & R fixture is designed to enrich the interior in which it is used.

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In a very real sense, we are "partners in creativity" with architects and engineers — reaching our common goals through the mutual sharing of ideas. Today you see "The BMD & R Touch" in scores of churches, schools, hotels, banks, hospitals, libraries, and restaurants. The results, our clients tell us, are distinctive fixtures that create a harmonious bond between building design and proven lighting techniques.

On your next project, call us for our complete lighting needs. Meanwhile, get your free copy of our 24-page, 4-color booklet, "Creative Architectural Lighting."

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MOLIN - 75 YEARS OF PRECAST

Molin Concrete Products Company, a family organization which is now in the third generation, has begun operations in a new plant in Lino Lakes, Minn. The company was started before the turn of the century, in 1897, by John G. Molin, making concrete block and sidewalk tile by hand. The business was continued by his five sons and now is operated by five cousins.

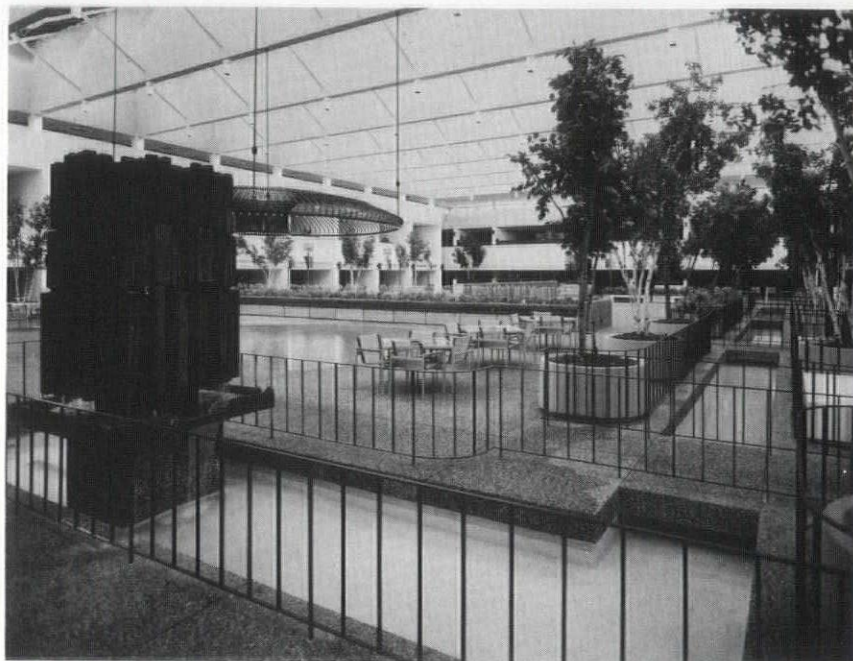
In 1951 the company purchased the Flexicore franchise and became the first producer of hollow core plank in Minnesota. Soon after this the precast products division was started. Molin has now grown into one of the leading producers of exposed aggregate and cast stone in the Upper Midwest area.

In November of 1970 the company's plant site was purchased by the St. Paul Housing and Redevelopment Authority and will be converted back to residential housing under the U.S. government sponsored Better Neighborhood program.

A new automated plant was built on a 55-acre site at Hwy. 35W and Hwy. 49 in Lino Lakes, Minn. This new facility will produce 6", 8" and 10" Flexicore floor and roof plank in 24" widths. The capacity of this new plant will be more than 3,000,000 square feet of Flexicore per year.



Molin Concrete Products' New Plant



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TILED BEDROOMS?

Eugene F. Grazzini of Grazzini Brothers & Company was elected 1972 President of the Ceramic Tile Contractors' Association of America, Inc., at its 63rd National Convention held in New York City.

Mr. Grazzini, is also active in the Associated General Contractors of Minnesota and the Regional Congress of Construction Employers.

He foresees increased use of ceramic tile in residential and institutional construction as designers and builders find new applications — would you believe tiled bedrooms — for this centuries' old product.

ENGELSTAD RECEIVES PCI MEDALLION AWARD

In appreciation for his "outstanding contributions to the industry," the Prestressed Concrete Institute recently honored Robert D. Engelstad with its PCI Medallion Award.

Mr. Engelstad, a principal in the Moorhead, Minn., firm of Foss, Engelstad, Foss, Architects-Engineers, was nominated for the award by Leo A. Nesius, president of Wells Concrete

Products Company, Wells, Minn., who through many years was familiar with the contributions to work in this field by Mr. Engelstad. In the picture here Mr. Nesius (left) presents the medallion and citation to Mr. Engelstad as a representative of the PCI, with an exposed aggregate precast concrete corridor wall of the new Waseca High School as the appropriate background.

The citation stated:

"The Prestressed Concrete Institute presents the PCI Me-



dallion Award to Robert D. Engelstad in appreciation for his outstanding contribution to the industry. Mr. Engelstad has demonstrated the highest degree of professional leadership in developing sound concepts in both the design and application of prestressed concrete. Through the years he has inspired and encouraged producers of our material to make bold and substantial advances in production to accommodate more sophisticated applications of prestressed concrete. Several of his projects have received national recognition, reflecting credit to our industry.

"PCI is pleased to recognize his accomplishments and leadership with the PCI Medallion Award."

Claridge LCS... the All New lighted Liquid Chalk Writing System

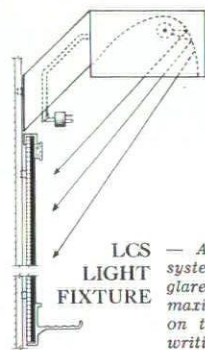


The people with the first name in chalkboards and related products are bringing you the latest word in writing surfaces.

It's called LCS. The graphically textured writing surface that takes a positive image from a felt-tip LCS marker, in any of three basic colors — red, blue or black. The image goes on wet, dries instantaneously, comes off with one rub from a chalkboard eraser. A parabolic dome fluorescent light virtually eliminates glare.



LCS is the first practically dustless vertical writing surface that eliminates chalk accumulation and its objectional features.



LCS LIGHT FIXTURE — A fluorescent lighting system designed to reduce glare and reflection with maximum focal attention on the LCS positive-image writing surface.

LCS MARKERS —

Anyone can write clear and bold with LCS markers. Available in 3 basic colors — blue, red and black. LCS markers will write well over a half mile.



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LCS writing system is suitable for permanent wall use or movable equipment. Available in standard modular adjustable system in both 4' and 8' sizes. The LCS system teamed with Claridge room dividers offer unlimited possibilities for special teaching enclosures.



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AGE-OLD PRODUCT

Jet-age travelers using the new \$80 million International Airport in Tampa, Fla., are walking on, being guided by, and enjoying the beauty of a building product that dates back to the beginnings of civilization. Yet, a modern-day systems method was used to fabricate the product into 18-ft. panels for the walls of the structure.

The product is the ageless clay brick which hasn't changed much from the time the first bricklayers, the Sumerians, used it in the Tigris and Euphrates Valley in what is now Iraq. Yet, because of its aesthetic value and economy, it is highly adaptable to modern methods, according to the International Masonry Institute.

Project engineer, Charles Richman, of the J. E. Greiner

NORTHWEST ARCHITECT

DOR-O-MATIC

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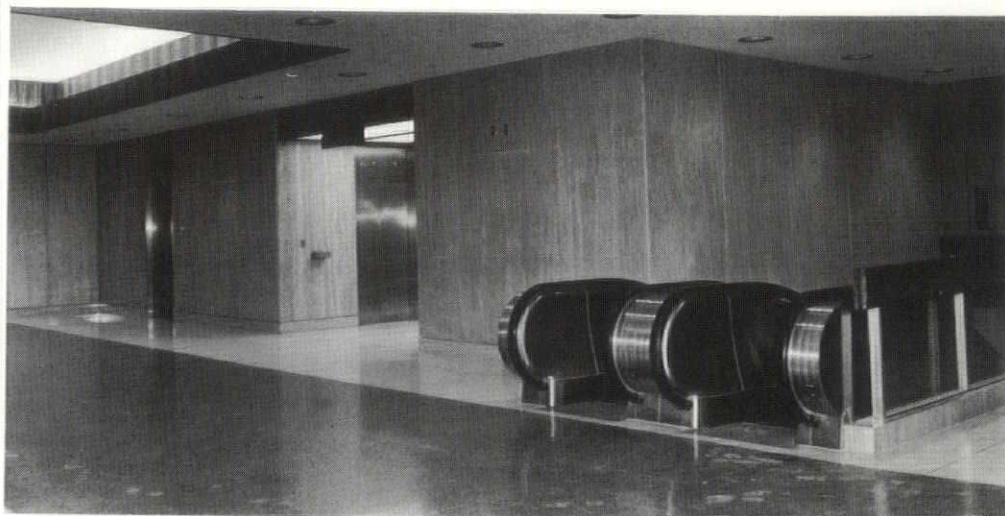


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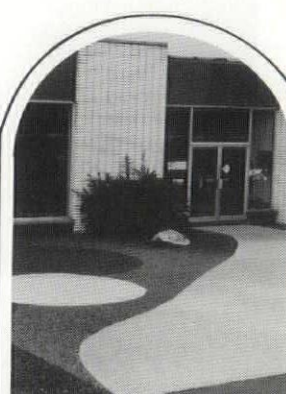


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Co., consulting engineers of Tampa and Baltimore, said the panel method was used by the mason contractor and bricklayers because the design called for masonry walls at 30 degree angles. "They were sloped," he said, "for aesthetic reasons and to provide space for air returns and grills. It was, therefore, much simpler and more economical," Richman pointed out, "to have the bricks laid nearby in straight, ordinary wall panels, and then installed in their splay

positions."

By artistically using bricks of various manufacturers, colors, and textures, for the paving and walls, the architects color-coded areas to help guide people in and out of the structure.

In the opinion of Earl Lawton, Executive Director of the West Coast of Florida Chapter of the Mason Contractors Association of America, the building is an outstanding example of masonry's beauty, structural soundness, and durability.

ROMANY-SPARTAN® CATALOG OFFERS FULL RANGE

Architects, builders, decorators, designers and others "will enjoy browsing through the 1972 Romany-Spartan full-line catalog — a veritable shopping center for ceramic tile," the company reported.

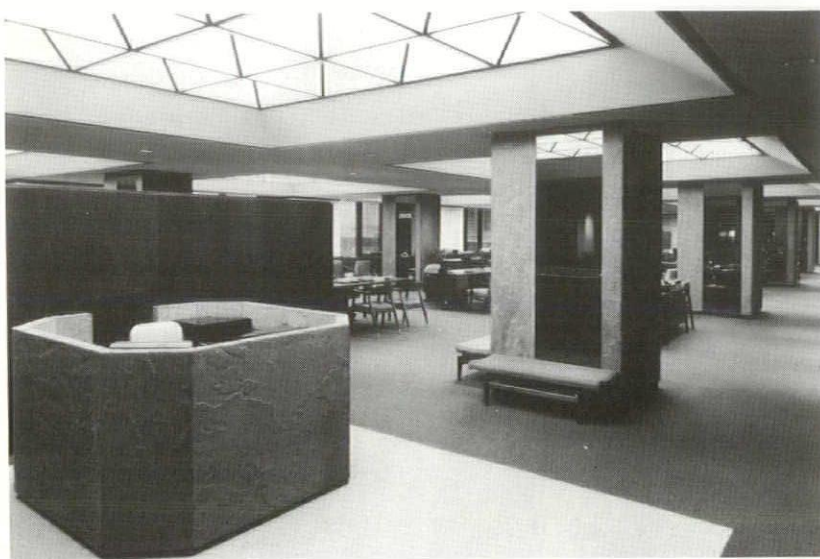
The 16-page catalog published by United States Ceramic Tile Company, in full-color, illustrates more than 160 colors and nearly 100 patterns and color combinations of ceramic floor and wall tile for residential, commercial and institutional use.

The 1972 book features Cloud Swirl, a brand new addition to the Romany-Spartan line. Cloud Swirl tile features a wispy, billowing design on a white matte glazed background. The subdued matte glaze makes it ideal for either residential or commercial use. Applications for the tile include bathrooms, kitchen backsplash areas and other kitchen wall areas, entryways, or as an accent piece amid complementary tiles. Six soft colors are offered, including olive, blue, antique white, yellow, gold and pink.

The catalog is packed with potentials for a wide range of ceramic tile tastes and requirements, and all products are categorized for quick and easy reference, the company said.

Romany-Spartan is represented in this area by the Rollin Child Company. Free copies of the catalog are available by writing to the United States Ceramic Tile Co., 1375 Raff Road, S. W., Canton, Ohio 44710.

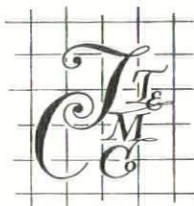
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J-M Stonehenge architectural panels can be used for interior and exterior walls, partitions and even floors. They are available in sizes up to 4' x 8' with nominal 1/2" or 3/4" thicknesses.

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NEW PRODUCTS

Mac Arthur Co. Purchases Van Packer

J. G. Ordway, Jr., president of Mac Arthur Co., has announced the purchase of the Van Packer Products Division of The Flintkote Co. Van Packer is a manufacturer of prefabricated insulated chimney sections. Sales are made through distributors located throughout the United States.

Mac Arthur Co. had been a distributor of Van Packer products for many years at its locations in Milwaukee, Denver, and San Francisco, as well as locally in the Twin Cities.

Van Packer is an acid resistant refractory lined stack, listed by Underwriters Laboratories, which provide high draft, low installation cost and long life. Manufactured in sizes from 10-inch to 60-inch, they are used on incinerators, boilers and for refuse chutes, breechings, exhausts and a multitude of specialty applications.



Construction Adhesives

Contech, Incorporated of Minneapolis, Minnesota has made available instructional brochures on the B. F. Goodrich construction adhesives PL-200 and PL-400. Contech distributes the products on a national basis.

The PL-200 brochure covers the step by step procedure for bonding to almost every conceivable building material, including wood panels, dry wall, underlayments, foam insulation, furring strip, etc. In addition to its versatility, the adhesive has a unique ability to "bridge" surface irregularities by as much as $\frac{3}{8}$ ", yet form a bond stronger than wood, the company reported.

PL-400 is an abbreviation for Plastikon 400, the B. F. Goodrich registered trademark for its multi-purpose bonding adhesive. PL-400 is a "field-proven construction adhesive that has revolutionized construction techniques through its versatile bonding applications. "The concept originally centered around the use of PL-400 to bond floor joists to single layer T&G plywood subfloors. PL-400 produces stronger unitized floor systems, allows the use of longer spans and virtually eliminates floor squeaks and nail pops. By using PL-400 adhesive, the underlayment layer is eliminated, resulting in substantial cost savings for the customers and contractors, Contech pointed out.

Contech, Incorporated, 7711 Computer Ave., Minneapolis, Minn., 55435 will send free copies of these publication and the name of the nearest PL-400 distributor on request for Bulletin No. GPC-7-AD-2. (PL-400) or No. IPC-A-70-1 (PL-200).

JANUARY-FEBRUARY, 1972

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☐ For interiors, gardens, swimming pools ☐ Emergency lighting ☐ Beam patterns ☐ Illumination design ☐ A guide to fixture selection

No. 18—Electrical Design Library

Low-voltage lighting

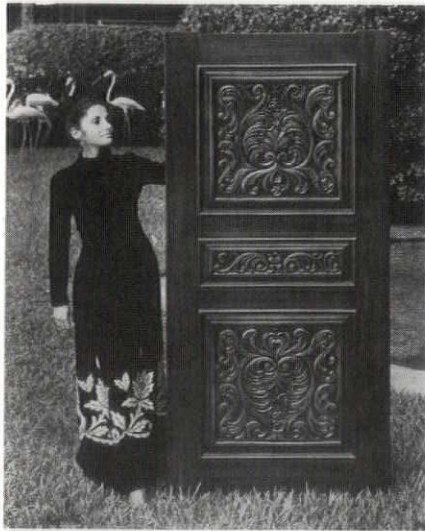
Low-voltage lighting for interiors, landscape lighting, emergency systems and swimming pools is reviewed Monograph 19 of the Electrical Design Library published by the National Electrical Contractors Association.

"The unique aspect of low-voltage lamps is their small, compact filament," the monograph says. "Light beams can be much more precisely controlled, offering considerable advantages in accent and decorative lighting. Some of these lamps are small in size, allowing 'miniaturized' fixtures to be utilized.

Low-voltage wiring also offers minimum hazard so in many instances, as in garden lighting, low-voltage wires need not be enclosed by conduit. In the case of swimming pools some codes now permit only low-voltage fixtures for underwater lighting."

Illustrated guides to indoor and outdoor low-voltage fixtures are included in the publication.

Information about the Electrical Design Library is available from any NECA chapter or NECA, 730 Rhode Island Ave., N. W., Washington, D. C. 20036.



Carved Doors

Original wood carvings, formerly available only in the most expensive doors, are now reproduced with fidelity and dimension in Art-Carved Decorator Doors created by Entol Industries of Miami, Fla.

The doors feature related, but simplified, carvings on their interior surfaces. Carved panels of high density urethane are incorporated into a specially constructed solid wood door. The assembled door is com-

pletely finished in hand-rubbed tones and shipped ready-to-hang in a special protective package.

All carvings are copyrighted and the exclusive property of Entol Industries, Inc., 6300 N.W. 74 Ave., Miami, Fla. 33166. Additional information can be obtained by writing to the company.

DeVAC Introduces Venetian Blind Window

The latest in windows for new construction or replacement is a venetian blind window from DeVAC, Inc., Minneapolis-based manufacturer of aluminum window systems and related equipment.

The window, featuring DeVAC's exclusive Thermo-Barrier performance, is available in vertical and horizontal sliding models. In addition to lighting control, the window incorporates all other benefits of split-frame, dual-glazed design as well, including indirect ventilation, full egress, significant sound attenuation and low air infiltration.

The one-inch venetian blind is internally mounted and remotely operated, and removable for cleaning.

For more information and test data on performance write DeVAC, Inc., 10130 Highway 55, Minneapolis, Minn. 55441.



One Million Doors

Ever/Straight Door Division of Pease Co., Hamilton, Ohio, recently passed a major manufacturing milestone with the production of its one millionth steel-clad door.

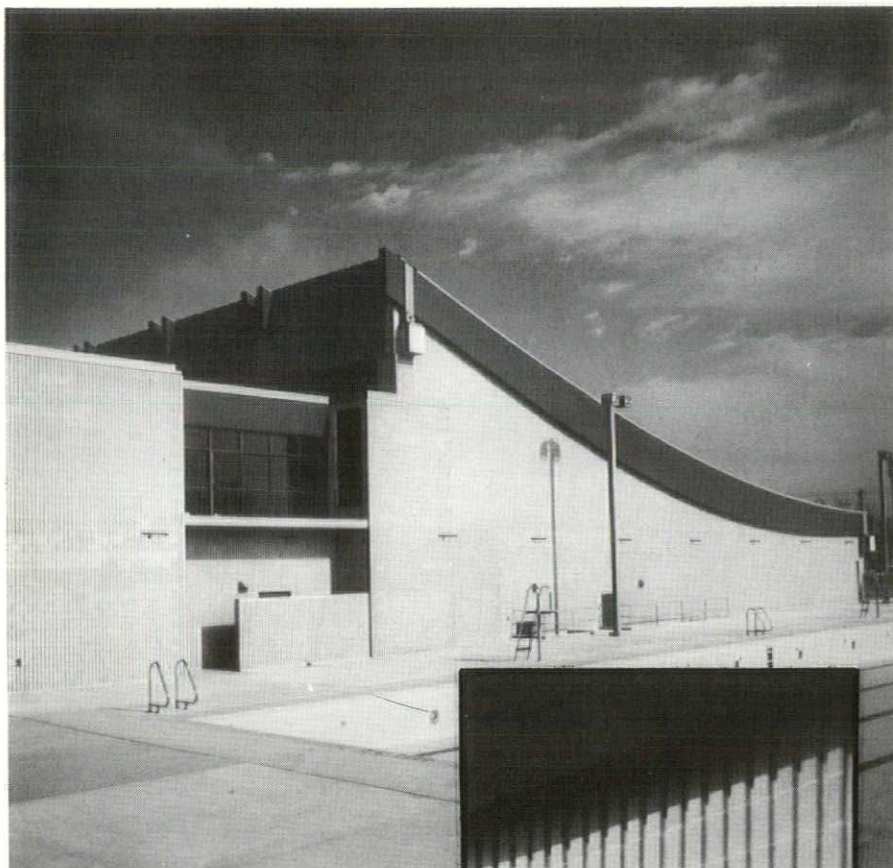
"Ever/Straight is the world's leading maker of foam core steel doors and the first company to accomplish this manufacturing achievement," the company said. It produces exterior, interior, patio and privacy doors for single family homes and apartment entrances. They are constructed with steel outer panels formed around an insulating core of polystyrene foam material.

In honor of this manufacturing achievement, Ever/Straight recently staged a surprise party for its more than 300 employees. All employees, along with Ever/Straight management, autographed the company's millionth door.

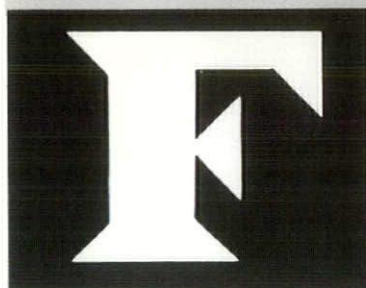
Ever/Straight doors are constructed with a unique thermal break that keeps outside temperatures from penetrating from one side of the door to the other, it was reported. A magnetic weather stripping much like those found on late model refrigerators also serves as an effective means of blocking out cold air and noise around all sides of the door.

Ever/Straight also offers a patented universal sill/threshold which permits simple up or down adjustment at any time without disturbing door or frame. Each door comes from the factory prehung in its own wood frame.

The doors are sold through a nationwide network of distributor/dealers.



AUTOCLAVED "RIB-FACE" BLOCK
WOLFE PARK REC'R. CENTER
ARCH: S.C. SMILEY & ASSOC.
CONTR: HENRY O. MIKKELSON



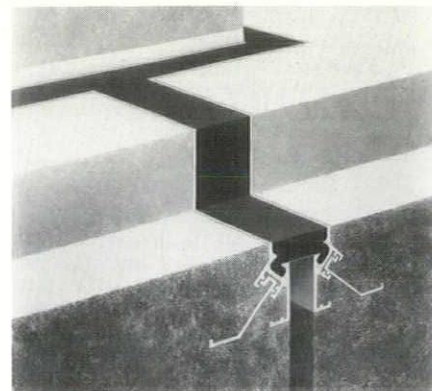
chas. m. FREIDHEIM co.

3601 PARK CENTER BLVD.

St. Louis Park, Minn. 55416

Telephone: 927-4611

PLANTS IN ST. LOUIS PARK, OSSEO AND LAKEVILLE* (*under construction)



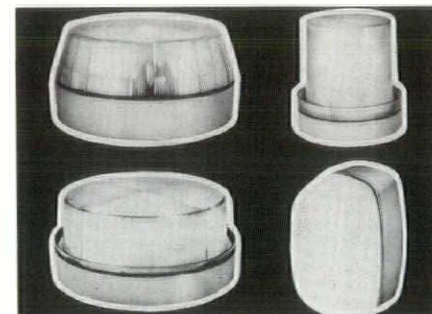
Joint Seal

C/S Elastalum Expansion Joint Seals, which offer a "totally new, engineered approach" to covering joints and accommodating structure movement, have been announced by Construction Specialties, Inc.

"C/S Elastalum, a unique polyurethane elastomer, factory-bonded and mechanically secured to specially pretreated continuous aluminum retainers, provides a monolithic sealed joint that is easy to install, economical, moves in all directions without loss of effectiveness, is waterproof and dustproof and is aesthetically attractive in a range of colors," the company announcement said.

"Tested in dynamic flexure for more than 50,000 cycles, the C/S Elastalum joint seal accommodates 100% movement characteristics ($\pm 50\%$ of joint width) without separation or loss of seal. That's 5,000 times the number of cycles at four times the movement required by Federal Specification TTS-00227E. . . C/S Elastalum has been laboratory tested for five years and field tested in actual installations for more than three years."

For literature and further information address Construction Specialties, Inc., 55 Winans Ave., Cranford, N.J. 07016.



Vandal-proof Lights

The "Tough-Ones," first series of "vandal-proof" lighting fixtures to combine optical prismatic control with virtually unbreakable qualities and crisp design, have been introduced by Perfectlite, Inc., Cleveland.

According to Perfectlite the new incandescent series of "spec-grade" fixtures is designed to take maximum punishment, yet provide optimum lighting performance in locations where ordinary fixtures may be damaged or demolished. These include such facilities as schools, colleges, military bases, public housing, recreational areas, transportation terminals etc. For areas where relamping is difficult, an optional "lamp-life extending" diode is available. Tamper-proof fasteners also are available.

Photometric data and prices are available from Perfectlite, Inc., 1407 E. 40th St., Cleveland, Ohio 44103.

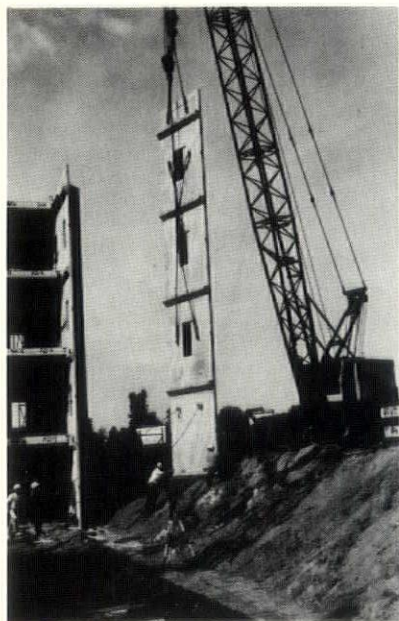
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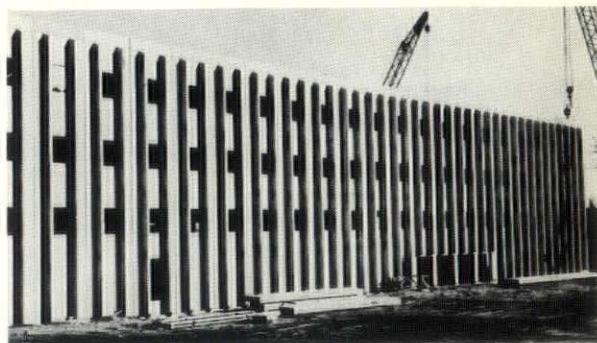


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CONCRETE INC.**



Four story, 48 foot high wall panels being assembled. Total of 83 panels comprising 105,000 sq. ft. of wall area were erected quickly and economically.

Economy was important in constructing the Valley Office Park II building in Suburban Bloomington, Minnesota. That's why Prestressed Concrete was specified for this 78,000 square ft. (four story) project. Construction had to be both fast and simple. The "Systems" approach accomplished this with precast prestressed concrete load bearing wall panels, columns, beams and floor slabs; minimizing on-site labor costs. All of the prestressed materials were fabricated off the job site, independent of high priced on-site cost factors, and delivered to the construction site as needed for erection by Prestressed Concrete's, Inc. own crew.



PROJECT: Valley Office Park II, 10800 South Lyndale, Minneapolis, Minnesota 55420

OWNER: Investment Dynamics Corporation, Minneapolis, Minnesota

ARCHITECT AND ENGINEERS: Grover-Diamond Associates, Inc., St. Paul, Minnesota

CONTRACTOR: Concord Development Corp., Minneapolis, Minn.

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2582 Long Lake Road, Roseville, St. Paul, Minnesota 55113 (612) 633-4175

LIBRARY BUILDING DR. MARTIN LUTHER COLLEGE

NEW ULM, MINNESOTA

ARCHITECTS & ENGINEERS: *Toltz, King, Duvall, Anderson & Associates, Inc. — St. Paul, Minnesota*
GENERAL CONTRACTOR: *Heymann Construction Company — New Ulm, Minnesota*



This attractive and functional library is the latest addition to the growing campus of Dr. Martin Luther College. Wells Concrete furnished and installed the entire structural system, including the special haunched load-bearing wall panels.

The 57 window panels were cast in a custom form. (Note the unusual head and sill detail.) Intermediate channel-shaped wall panels were formed with a matching 10-inch stem projection.

Floor and roof systems utilized over 28,000 square feet of 24" and 20" double tees and precast flat slabs. The

50-foot spans provide a relatively column-free space for maximum flexibility. Interior framing was completed by 16" x 16" and 20" x 20" precast columns supporting 24" x 30" inverted tee beams.

Prestressed concrete construction has offered the versatility in design and speedy erection demanded by today's architects. Wells Concrete is proud to have met the challenge offered by this design.

We offer our PCI Certified Plant facilities and experienced engineering staff to work with you.

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