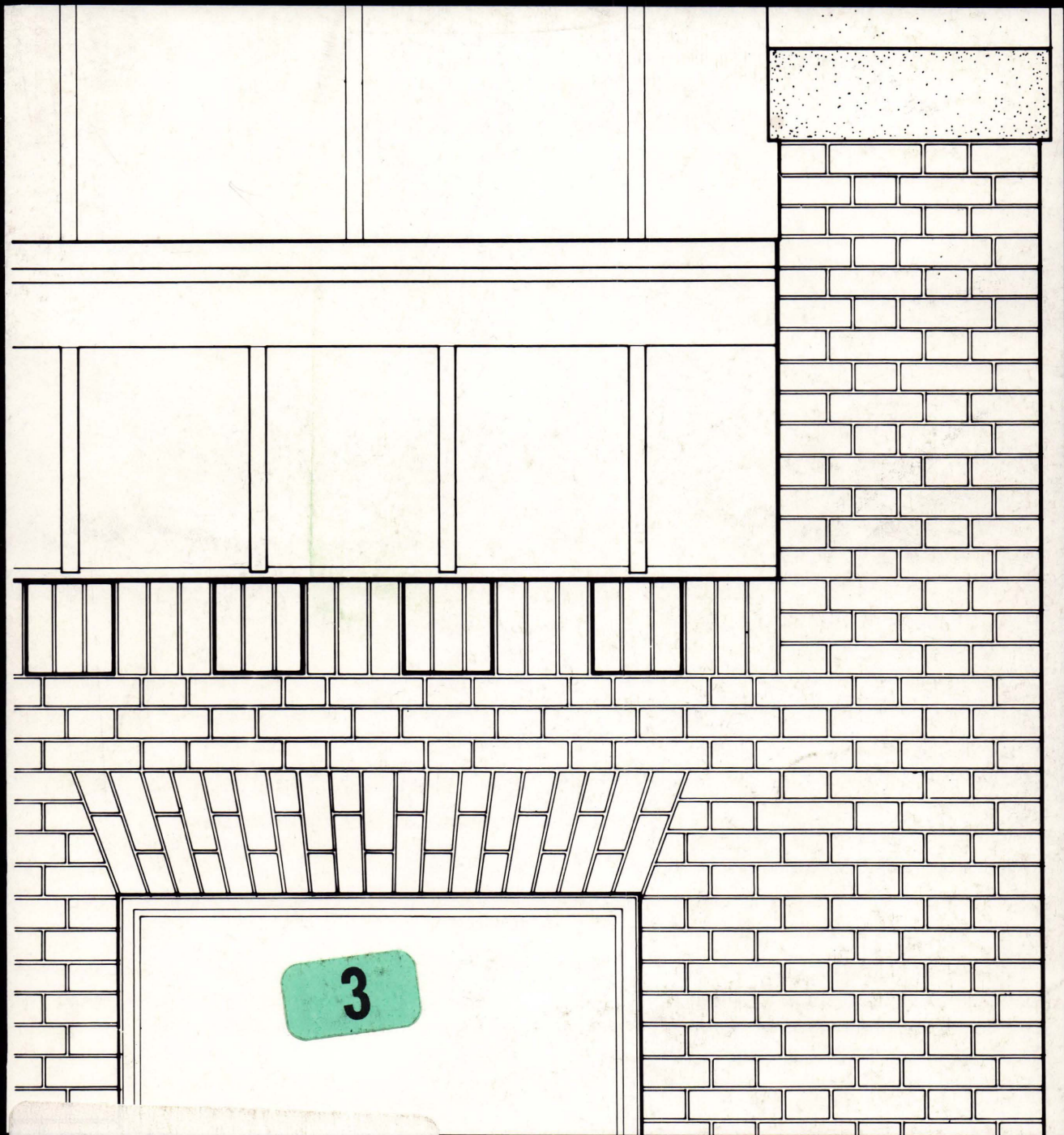


# new jersey Architecture

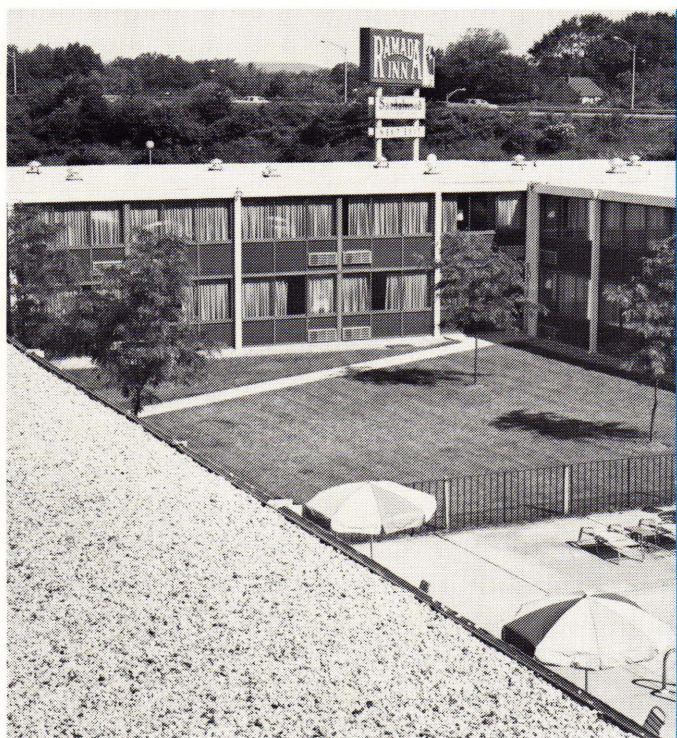


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Oct/Nov/Dec 1980  
DESIGN AWARDS ISSUE



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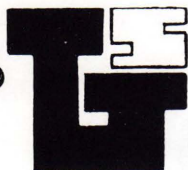
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# award

## Sunar Furniture Showroom

Houston, Texas

Architect:

Michael Graves, FAIA

Princeton, N.J.

The showroom is organized in such a way as to offer a variety of spatial sequences, accommodating various pieces of furniture and systems and emphasizing our passage from one set of spaces to another.

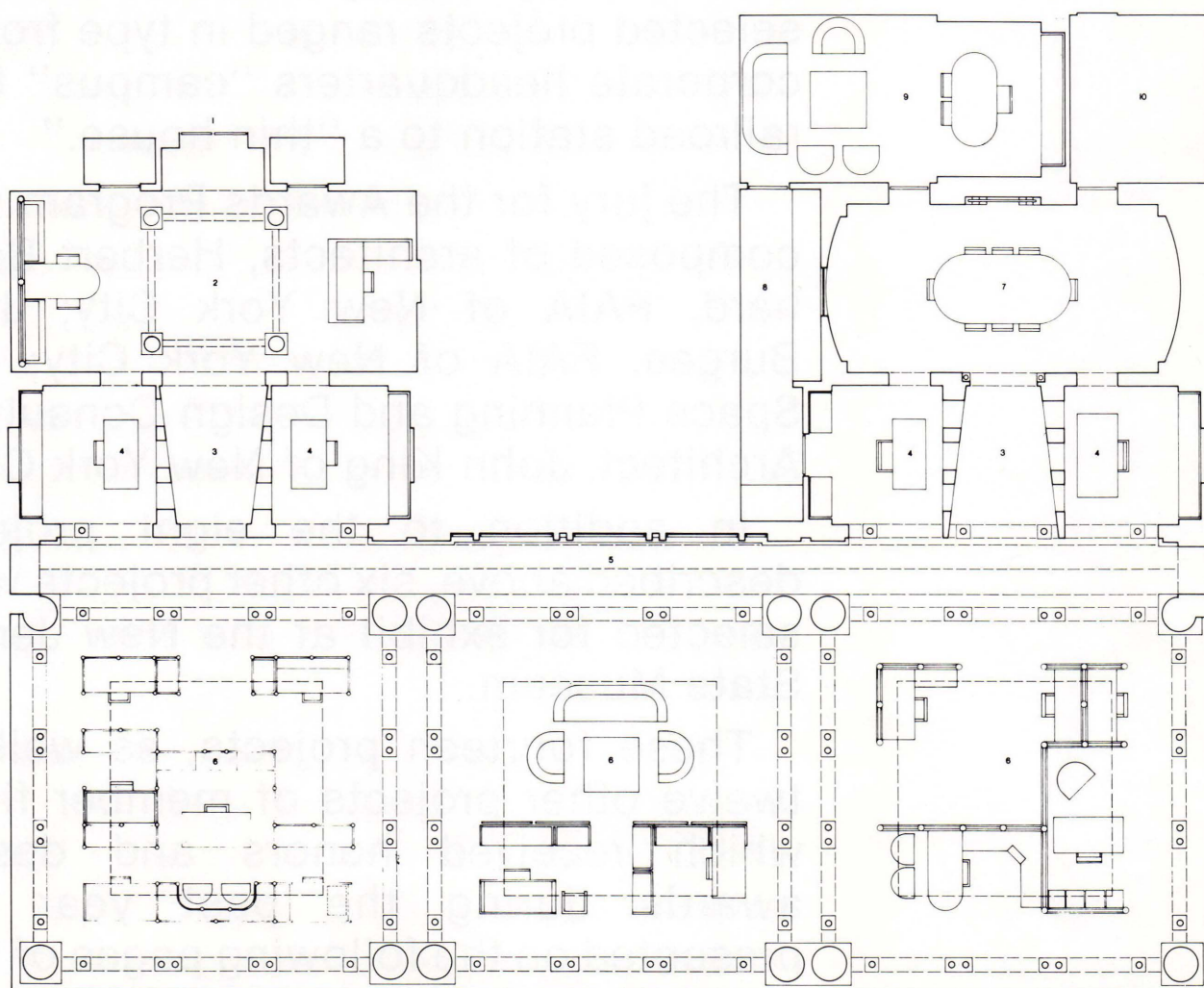
The thematic similarity between private buildings such as residences and public buildings has been used to allow the furniture to be appropriate for both settings. Those shared themes such as the transition

we feel in the foyer as threshold, the loggia as passage, and the primary rooms as places of social congregation, are made explicit in the Houston plan.

Ceiling heights, surface textures, and a variety of lighting encourage the reading of the spaces as familiar to us in that these elements are meant to cause a reflection to or a remembrance of places past.

### Jury Comment:

*"A stimulating project with almost infinite visual variety, an unusual example of definition of space done in a masterful and very individual style."*



Plan



# introduction

The 1980 New Jersey  
Society of Architects  
Architectural Exhibit  
and  
Awards Program

Eight architectural projects were selected for recognition from sixty-four projects exhibited at the annual New Jersey Society of Architects Architectural Exhibit Awards Program.

The winning projects included two completed projects which were given an "Award for Excellence in Architecture," two proposed projects which received a "Proposed Project Commendation," and four projects selected for "Special Honorable Mention." Of these projects, three were designed by Michael Graves, FAIA; two were designed by the Grad Partnership; two by the Hillier Group; and one by Radey Associates. The selected projects ranged in type from a corporate headquarters "campus" to a railroad station to a "thin house."

The jury for the Awards Program was composed of architects, Herbert Beckhard, FAIA of New York City; John Burgee, FAIA of New York City; and Space Planning and Design Consultant Architect, John King of New York City.

In addition to the eight projects described above, six other projects were selected for exhibit at the New Jersey State Museum.

These fourteen projects, as well as twelve other projects of member firms which received honors and design awards during the past year are presented on the following pages of this **Awards Issue.**



# president's profile



Paul J. De Massi, AIA

Paul J. De Massi, AIA, of Franklin Lakes, the New Jersey Society of Architects' President for the coming year, has a very basic philosophy on the direction in which he would like to see the Society move. According to the new officer, "it's time for architects to let people know we do not practice in ivory towers."

"Architects are no longer 'artists' who simply design aesthetically pleasing buildings — they are professionals involved in every aspect of the construction process and who have some very definite opinions on legislation and policies that affect the construction industry," he explained. "The Society has worked for many years to educate the public and business and financial groups about the role of an architect. But now, more than ever, the Society and every individual member must play a major role in the development of state and local legislation and policies and in making their viewpoints known to the groups with whom they deal on a day-to-day basis."

The new President's own practice and career exemplify his philosophy. Mr. De Massi was a member of the Lyndhurst Zoning Board of Adjustment throughout the time he and his family lived in that community. His firm, Paul J. De Massi AIA and Associates, is still located there and is actively involved in a number of local projects. Mr. De Massi has been an active member of NJSA since 1956 and has served as the group's treasurer and vice president.

According to Mr. De Massi, the groups with whom architects should be establishing a closer rapport include the financial community, the business community, developers, legislators and other government officials.

"The School of Architecture at NJIT is testimony to the phenomenal accomplishments that can be wrought when the Society and every member allocates time and effort in a unified, orchestrated campaign. Every New Jersey architect should follow the Society's lead and be willing to place the same emphasis on communicating our messages to groups that are important to us — and

this isn't a question of what ought to be, but rather a necessity if we are to become a viable influence in shaping the future of our state."

The new President sees the role of the Society as being two-fold. The Society represents the interests of architects on state-level legislation that impacts on the architectural profession and provides information aimed at helping individual members make the most of current trends toward updating business and office practices and broadening the scope of professional activities.

"It is becoming an economic necessity for individual architects and firms to take an expanded role in the financial arrangement of their projects," Mr. De Massi explained. "I plan to explore the possibility of having the Society sponsor seminars such as the program held last September by the Central Chapter in which a noted financial expert discussed the economic future of the state and offered suggestions for coping with the lack of mortgage funds. For example, the expert suggested that architects consider equity participation in projects in which they are involved."

In addition, according to the new president, the Society should continue those activities that have been so important to individual members and firms. For example, the Society should continue its research into professional liability and health insurance carriers to make sure that the fullest possible coverage at the lowest premiums is available to members. The Society should also continue its efforts to deter frivolous lawsuits against architects. On this front, two remedies are being pursued. The first involves legislation that would permit architects to recover their attorneys' fees when they are the victims of vexatious litigation. The Society will also continue to ask the Supreme Court to consider a court rule which would require that lawsuits against design professionals be screened prior to filing by a panel including a member selected by the Society.

Mr. De Massi's enthusiasm about the Society is only exceeded by his enthusiasm toward the architectural profession.

"Ever since I was old enough to understand the question 'what will you be in life?' my answer has always been 'an architect,'" he explained.

"I think it's the diversification and the various disciplines related to architecture that intrigues me. It involves the arts, economics, construction techniques, chemical reactions of dissimilar materials when placed together, site-planning and its topographical challenges and the various problems in locating a building on a site to take advantage of the sun, the prevailing winds and so forth — how could anyone be bored with a challenge like that?"

Mr. De Massi graduated from Pratt Institute in Brooklyn, took courses at Upsala College, then went on to study at the Institute of Design and Construction, also in Brooklyn.

Mr. De Massi holds an architectural license in New Jersey and New York and his qualifications are certified by the National Council of Architectural Registration Boards. He is also a past president of the Construction Specifications Institute.

In general, according to Mr. De Massi, his firm handles a diversified array of projects. Most notable among his designs is the headquarters for the Rutherford Machinery Division of the Sun Chemical Corporation.

With every design Mr. De Massi tries to include the personal touch the clients want.

"I have the greatest clients in the world," he said with enthusiasm. "Rarely have they been unreasonable or insisted on something impractical."

"I really believe the economic problems and the energy crunch have stimulated the architect's thinking. We can't afford to design bad buildings. More imagination is needed now in solving the many problems caused by the recent recession and the energy crisis."

Mr. De Massi lives at 220 Old Woods Road in Franklin Lakes with his wife Barbara. They have four children — Diane, 20, a sophomore at Salem College in West Virginia; and Denise, 17, John, 15 and Debra, 14, all students at Indian Hills High School.





Mr. and Mrs. Howard Horii and daughter Jane.



Mr. and Mrs. Leo Mahony.



Herbert Beckhard, FAIA; Michael Graves, FAIA; Leonard DiDonato.



Herbert Beckhard, FAIA and Doug Fuller.



John Pearce; Herbert Beckhard, FAIA; J. Robert Hillier, FAIA.



Herbert Beckhard, FAIA and Francis X. Sloan.



Ron Lichtenberger; Herbert Beckhard, FAIA; Harry B. Mahler, FAIA.



# convention report

by Michael C. McAneny, AIA

With thoughts of beginning a new decade, the New Jersey Society of Architects held its 1980 convention at the Park Place Casino Hotel in Atlantic City on October 16, 17 and 18. "Advance," as the gathering was named, asked members, speakers and exhibitors to think of what the 1980's will hold for the Architectural Profession. The following are brief summaries of some of the convention's many functions.

## EDUCATIONAL EXHIBITS

Sixty-two exhibitors, stationed at sixty-seven booths, displayed and made information available about a great number of products and services cogent to Architectural practice. Those areas represented included construction products, furniture and equipment, energy systems, presentation techniques, services and equipment, and communications. A wine and cheese party was held by the exhibitors and many prizes were donated.

## ARCHITECTURAL EXHIBITS

Thirty-two completed projects and thirty-two preliminary projects were exhibited and judged by an outstanding jury, consisting of Herbert Beckhard, FAIA, a principal of Marcel Breuer Associates, John Burgee, FAIA, a principal of Johnson/Burgee Ar-

chitects and John King, Vice President of ISD Incorporated, all of New York City. Four completed projects received awards and three preliminary projects received mentions. Additionally, six projects were selected for exhibit at the Newark Museum. All of these projects are shown in some detail later in this issue.

## WORKSHOPS/MINI-WORKSHOPS

Four workshops and two mini-workshops were held, each dealing with the exploration of advanced technologies. Kenneth Labs, President of Undercurrent Design Research spoke on "Out-A-Site Architecture," a survey of underground architecture; Constance Greiff, former president of the New Jersey Society of Architectural Historians, spoke about "Preser-Juve," dealing with the different approaches to urban revitalization taken by New Brunswick and Hoboken; Paul Emilius, President of Emilius Associates, spoke about "Quick-Draw McGraw," dealing with aerial photography and photographic survey and drafting techniques and John Burgee, FAIA, spoke about his firm's motivations during the design stages of the AT&T headquarters building in New York. The mini-workshops were presented by New Jersey Bell, discussing "The Future of Com-

munications" and by John Schruben, FAIA, introducing a new version of Masterspec.

## ANNUAL MEETING

The following architects were elected to office at the annual meeting: Paul J. DeMassi, AIA, as President; Herman H. Bouman, AIA, as President-Elect; Edmund H. Gaunt, AIA, as Vice President; Tylman R. Moon, AIA, Vice-President; William M. Brown, AIA, Secretary; Eleanore Pettersen, AIA, Treasurer and Romeo Aybar, AIA, Director, New Jersey Region, AIA.

During the meeting, N.J.S.A. endorsed New Jersey's \$50 Million Energy Conservation Bond Issue proposal. It was endorsed after an analysis of the cost and benefits involved revealed that many of the improvements would pay back their cost within two years and that the entire amount of the investment would be repaid within an average of seven years.

## PRESIDENT'S BANQUET

Master of Ceremonies Harry B. Mahler, FAIA, conducted the President's Banquet activities honoring retiring President Leo H. Mahony, AIA. Additionally, Roy E. Mason, an Architect who helped depict 25th century lifestyle in "Star Trek — The Motion Picture," theorized about "Architecture: 2000."



*Mr. and Mrs. Paul DeMassi, and their family: John, Debra, Mr. and Mrs. Paul DeMassi, Sr. Mr. and Mrs. George Gaccione and Diane.*



# checklist

## 1980 ARCHITECT OF THE YEAR AWARD

Rothe-Johnson, Architects-Planners located in Iselin, New Jersey was the recipient of the 1980 "Architect of the Year" award, presented by the New Jersey Sub-contractors Association.

The award was given in recognition of the quality and quantity of work performed by the firm. During 1980, the firm was responsible for the design of facilities whose total construction value exceeded 60 million dollars. The association also cited the firm's adherence to AIA professional guidelines, their fine record of ethical relationships with the subcontractors with whom they have been involved.

## DIRECTORY OF DIRECTORIES

The construction industry, including architects, contractors, home builders and engineers, now has a new, comprehensive source of vital administrative information compiled by the New Jersey Society of Architects.

The Society has just published its "Directory of Directories" that provides such invaluable, up-to-date information as names, addresses, phone numbers and the range of responsibilities for all agencies with jurisdiction over architectural and construction projects, and names of all personnel connected with building, construction and planning in each of New Jersey's 21 counties and 567 municipalities.

The new reference tool also lists meeting schedules for Planning Boards and Boards of Adjustment in each municipality and information about Soil Conservation Districts, Construction Boards of Appeal and federal agencies contracting for architectural services, according to Mrs. Schneider.

The directory is available to all building professionals for a \$12 fee, which covers the Society's costs for printing and research. Copies can be obtained through the group's headquarters at One Thousand Route Nine, Woodbridge, New Jersey 07095.

## RECOGNITION

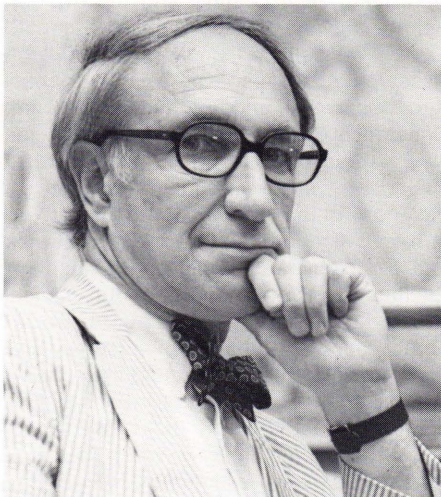
Building Design & Construction, one of the leading magazines in the field of architecture and engineering, recently published its annual listing of the "300 Giants of the Industry." In the category of Architect/Engineer firms, CUH2A of Princeton, ranks 1st in New Jersey and 54th in the nation.

Robert L. Geddes, FAIA, Dean of the Princeton University School of Architecture and Urban Planning, was invited by the Royal Institute of British Architects to deliver a lecture on June 23 in London. The lecture, entitled "The Forest Edge: Architecture and Landscape," examined the relationships of nature to the design of landscape, building and cities.

Michael Graves, FAIA, of Princeton, has been awarded the 1980 Arnold W. Brunner Memorial Prize in architecture from the



Staff members surround the firm's partners, seated left to right, Edward N. Rothe, AIA and Allan R. Johnson, AIA.



Geddes



Graves

American Academy and Institute of Arts and Letters. Established in 1955, this prize for "contribution to architecture as an art" has traditionally been given to young architects who are thought to have produced work that will in time be significant for the culture of architecture. This award is one of the most prestigious given to any architect. Previous recipients include Paul Rudolph, Louis I. Kahn, I.M. Pei, Robert Venturi, James Stirling, and Charles Gwathmey.

William M. Brown, Jr., AIA, partner in the firm of Brown and Hale in Newark, has been appointed by Governor Byrne to the Board of Trustees of the N.J. Institute of Technology.

Kenneth Mitchell, AIA, of Red Bank, won best in show in the "Sea and Shore" exhibit at the Guild of Creative Art in Shrewsbury.

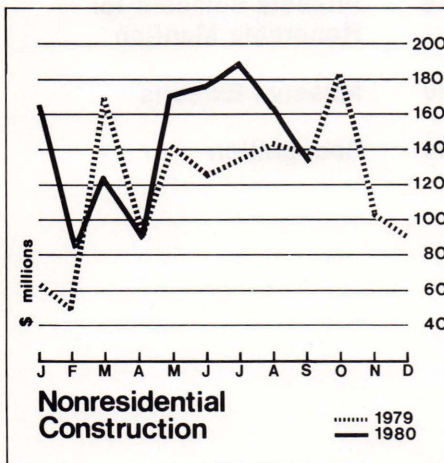
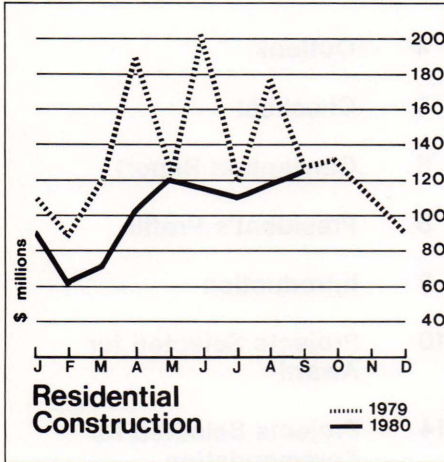
Michael Greenberg, AIA, of Kendall Park, has been elected President of the Metropolitan New York Chapter of the Construction Specifications Institute.

Harry A. Maslow, AIA, received a Citation For Merit Award from the N.J. Federation of Planning Officials for his understanding of Planners' and Architects' conceptions and aspirations for the new State Land Use law and its amendments, his contribution of countless hours in the development of the Municipal Land Use Law and its amendments, and giving direction to his colleagues and members of the Federation Committee of which he was chairman.



Brown





## Third Quarter '80

Economic indicators for the nation provide evidence that the recession may be ending, making this the shortest recession in 60 years. Its effects have been comparatively mild in New Jersey, especially in the construction industry. While residential building in New Jersey has been below the national average, nonresidential construction this year is 25 percent ahead of the rest of the nation. Thus, New Jersey's construction industry appears to be on the rebound following a brief contraction mainly in homebuilding.

In the third quarter, statewide construction activity declined 10 percent below last year's figures, but the losses were confined solely to the residential sector. Nonresidential construction in New Jersey rose 23 percent over the 1979 rate, thereby softening the effects of the homebuilding decline.

Leading the surge in the nonresidential sector was construction of educational buildings, up more than 100 percent over last year. Bidding volume of manufacturing plants, government and medical buildings, however, declined significantly. Among New Jersey's counties, Middlesex, Monmouth and Mercer registered strong increases. Despite continued nonresidential construction growth in Atlantic County, total building activity declined because of

major setbacks in the residential sector.

## Forecast

Construction prospects for the year ahead appear better for New Jersey than for the nation as a whole, because of New Jersey's strong volume of nonresidential projects just starting or in the planning stages.

The recent upturn of mortgage interest rates may slow the homebuilding recovery, but some economists foresee an easing of rates early in 1981 helping the flow of funds to the construction market. When the residential sector picks up, there will be a revived demand for retail building near the new housing.

According to data for new plans now on the drawing boards in New Jersey, substantial increases are projected for medical buildings. Stores, shopping centers, and manufacturing plants show signs of growth in the period ahead, while other types of nonresidential buildings are expected to decline slightly.

With the national recession ending, there is an improved outlook for the construction industry. While some forecasters project an economic dip in the fourth quarter and a sluggish recovery in 1981, nonresidential construction in New Jersey should remain on an uptrend.

## Statewide Construction Activity

	July '80	Aug. '80	Sept. '80	Year-to-Date Totals (5) 1980	1979	% Change 1979-80
Nonresidential (1)	\$191,810,000	\$166,953,000	\$133,758,000	\$1,224,103,000	\$998,651,000	Plus 23%
Residential (2)	114,033,000	118,364,000	124,363,000	917,125,000	1,372,165,000	Minus 33%
TOTAL BUILDING	305,843,000	285,317,000	258,121,000	2,141,228,000	2,370,816,000	Minus 10%

## Statewide Nonresidential Construction

Jan. — Sept. 1980

	Bidding Volume (6)	% Change 1979-80	New Plans (7)	% Change 1979-80
Stores & Shopping Centers	\$ 22,300,000	Minus 27%	\$124,850,000	Plus 14%
Office Buildings	137,796,000	Minus 7%	304,375,000	Minus 18%
Medical Buildings	44,984,000	Minus 41%	322,178,000	Over 100%
Educational Buildings	137,602,000	Over 100%	131,495,000	Minus 40%
Government Buildings	27,755,000	Minus 43%	60,203,000	Minus 29%
Manufacturing Plants	34,255,000	Minus 75%	124,865,000	Plus 12%

## Construction Activity by Counties (3)

	Jan.-Sept. 1980	% Change 1979-80		Jan.-Sept. 1980	% Change 1979-80
<b>ATLANTIC COUNTY</b>			<b>MIDDLESEX COUNTY</b>		
Nonresidential	\$ 51,334,000	Plus 60%	Nonresidential	\$285,987,000	Over 100%
Residential	68,188,000	Minus 78%	Residential	90,972,000	Plus 23%
TOTAL BUILDING	119,522,000	Minus 66%	TOTAL BUILDING	376,959,000	Plus 79%
<b>CUMBERLAND COUNTY</b>			<b>MONMOUTH COUNTY</b>		
Nonresidential	11,842,000	Plus 31%	Nonresidential	84,755,000	Over 100%
Residential	11,886,000	Plus 3%	Residential	102,763,000	Plus 17%
TOTAL BUILDING	23,728,000	Plus 15%	TOTAL BUILDING	187,518,000	Plus 62%
<b>HUDSON COUNTY</b>			<b>PASSAIC COUNTY</b>		
Nonresidential	65,182,000	Plus 37%	Nonresidential	36,413,000	Minus 12%
Residential	40,641,000	Minus 26%	Residential	33,565,000	Minus 34%
TOTAL BUILDING	105,823,000	Plus 3%	TOTAL BUILDING	69,978,000	Minus 24%
<b>MERCER COUNTY</b>					
Nonresidential	88,965,000	Over 100%			
Residential	18,708,000	Minus 60%			
TOTAL BUILDING	107,673,000	Plus 41%			

### FOOTNOTES

- (1) Nonresidential buildings include commercial, manufacturing, educational, religious, administrative, recreational, and other buildings not designed for shelter.
- (2) Residential buildings include houses, apartments, motels, dormitories, and other buildings designed for shelter.
- (3) Statistics for selected counties shown are based on figures derived from standard metropolitan areas within the counties.
- (4) All statistics are based on monthly reports of contracts for future construction, prepared by F.W. Dodge Division of McGraw-Hill Information Systems Co.
- (5) Cumulative figures for "Year-to-Date Totals" reflect adjustments not distributed to the individual months.
- (6) Based on figures for projects actually bid and under construction this year, as compiled by Engineering News Record.
- (7) Based on figures for projects on the drawing board this year but not yet out to bid, as compiled by Engineering News Record.



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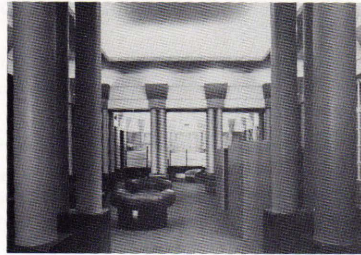
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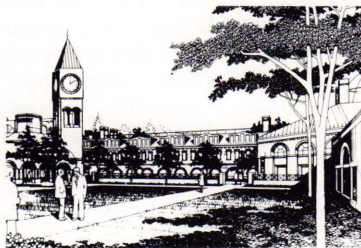
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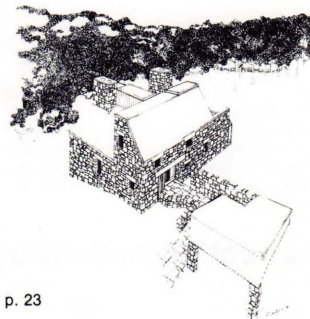
p. 10



p. 16



p. 19



p. 23

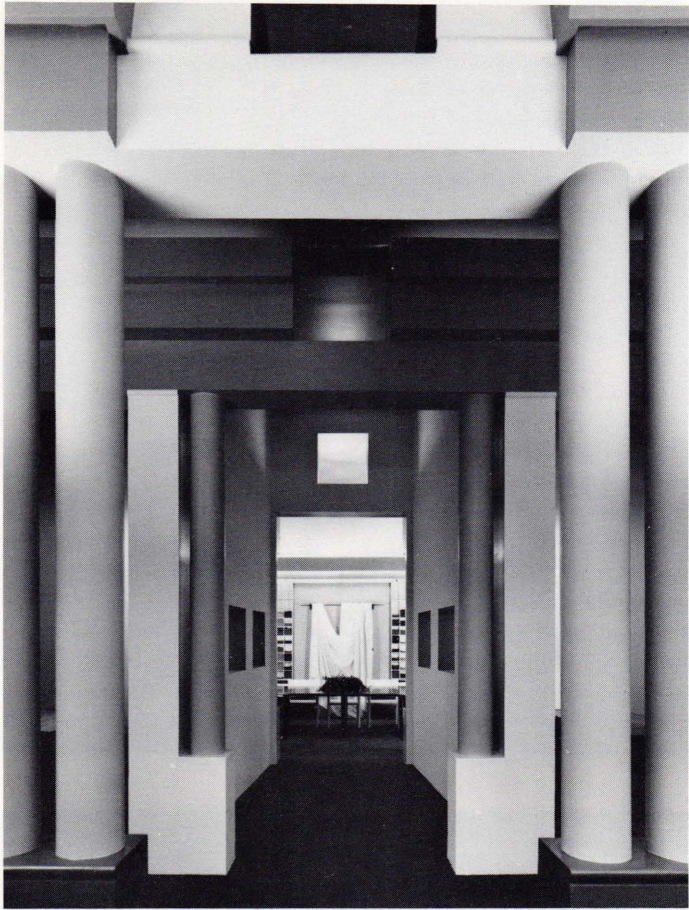
- 4 Outlook
- 5 Checklist
- 6 Convention Report
- 8 President's Profile
- 9 Introduction
- 10 Projects Selected for Award
- 14 Projects Selected for Commendation
- 16 Projects Selected for Honorable Mention
- 20 Museum Exhibits
- 24 Recognition

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**Cover:** Brick detail, Beneficial Management Headquarters, Inc., The Hillier Group, Architect





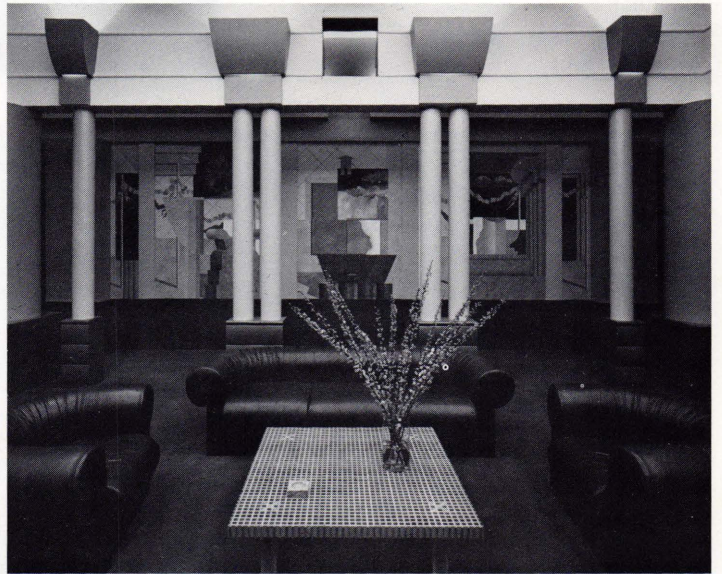
*Entrance to fabric room.*



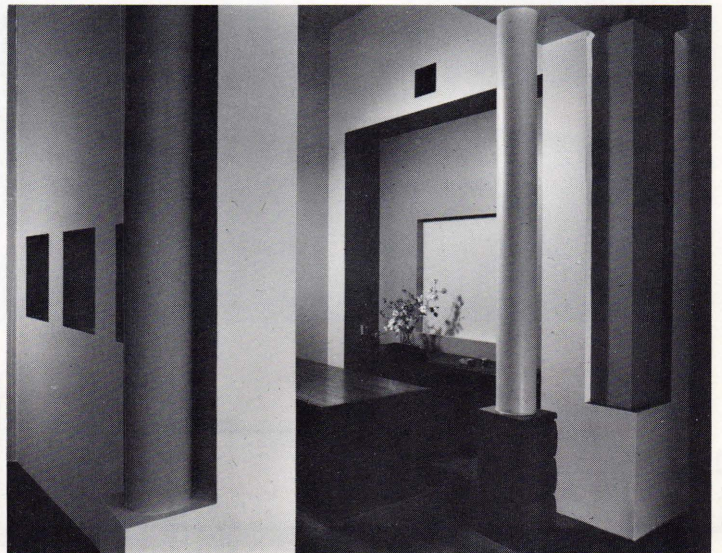
*Entrance to office system display.*



*Fabric room.*



*Mural*

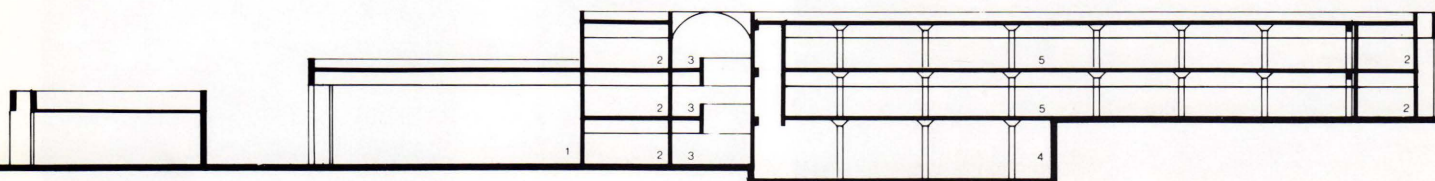
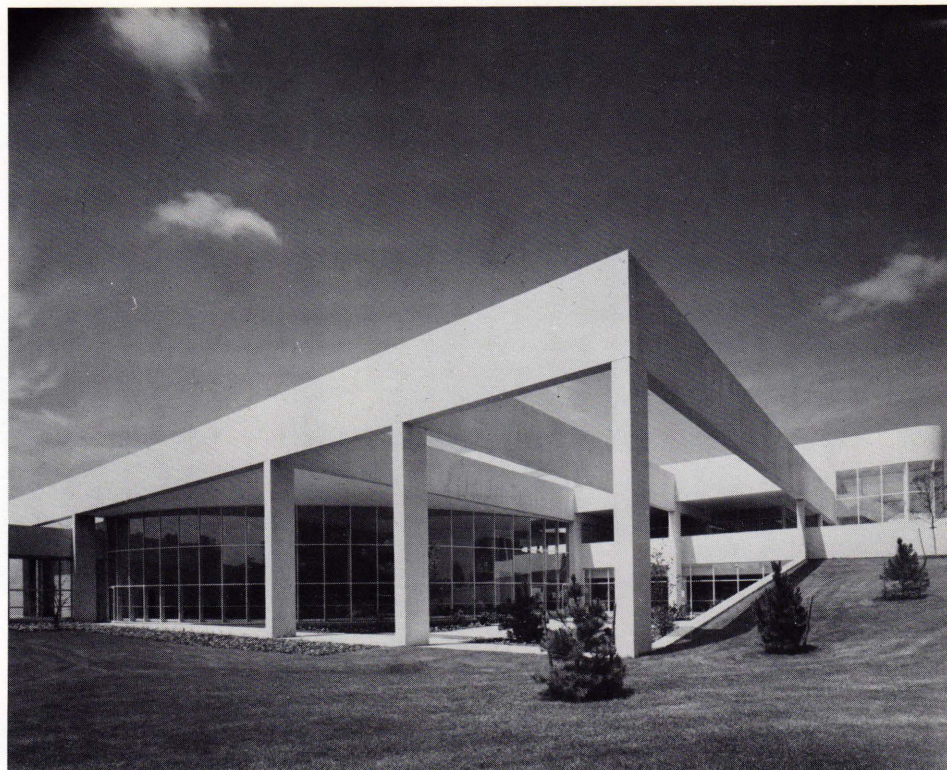




award

**Howards Savings Bank**  
Livingston, N.J.

Architect:  
**The Grad Partnership**  
Newark, N.J.



SECTION A A

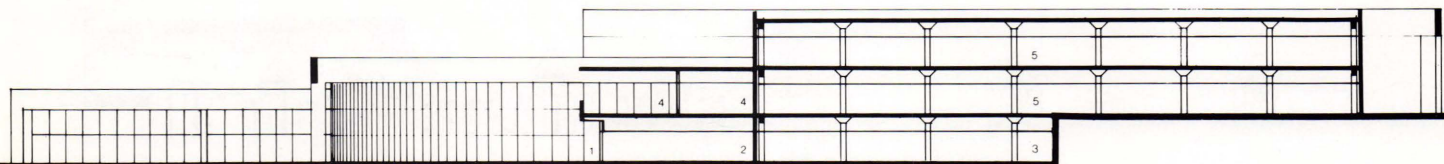
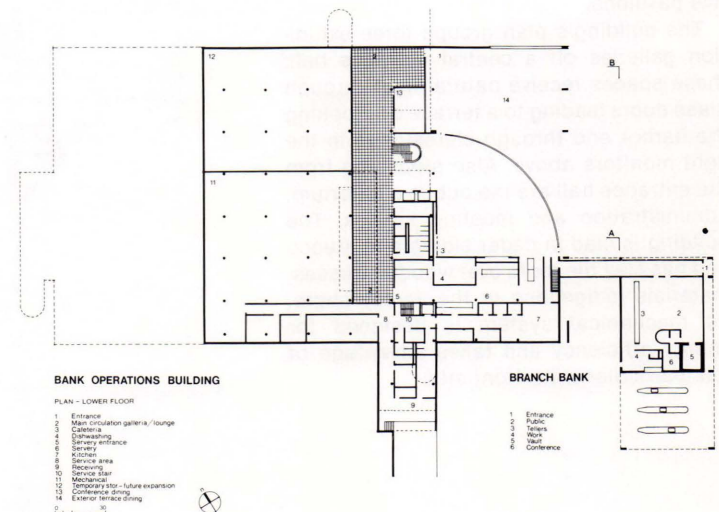
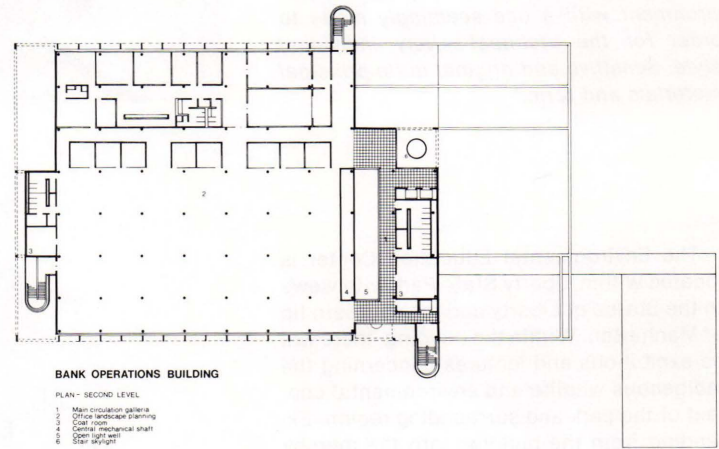
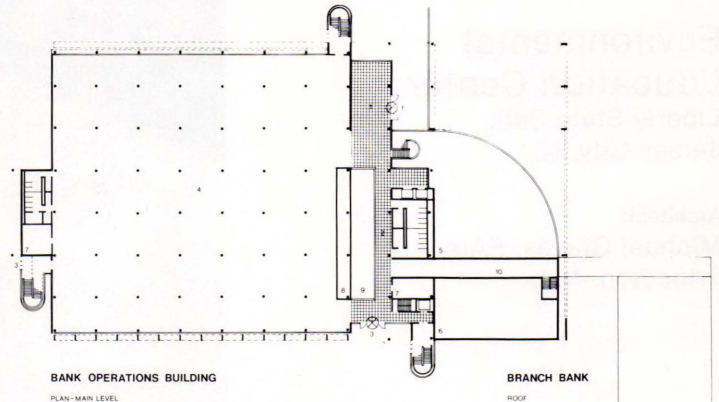


**Jury Comment:**

*"A mature project done with restraint and visual variety. A strong building, inviting to the public and expressing through sculptural forms the major functions of the building maintaining at the same time a real sense of unity."*

The Howard Savings Bank's Operations Center complex consists of a two building group on a 72-acre park-like setting on South Orange Avenue opposite the Livingston Mall. The site was maintained in as natural a state as possible with the structures stepping down the sloping contour of the land. Great care was taken to preserve trees and foliage, and a pond was created next to the Phase I building. The main Operations Center building consists of a drive-in branch bank, a cafeteria with a 23-foot high ceiling and curving glass wall, and a two-story office building which houses Howard's central computer system as well as several related departments. The work area consists of an open office landscape with greenery and dividers separating the operating departments. Muted gray carpeting combines with crisp white walls and bright accent colors reflected in the furniture and art work to lend a sophisticated air to the Center.

Connecting the cafeteria to the office building is a circulation galleria — a three-story high space capped with a skylight. Phase II of the complex is a separate two-story 100,000 sq. ft. building. Howard is leasing space here to several major corporations and will eventually claim it for its own use when the need arises.



SECTION B B



# commendation

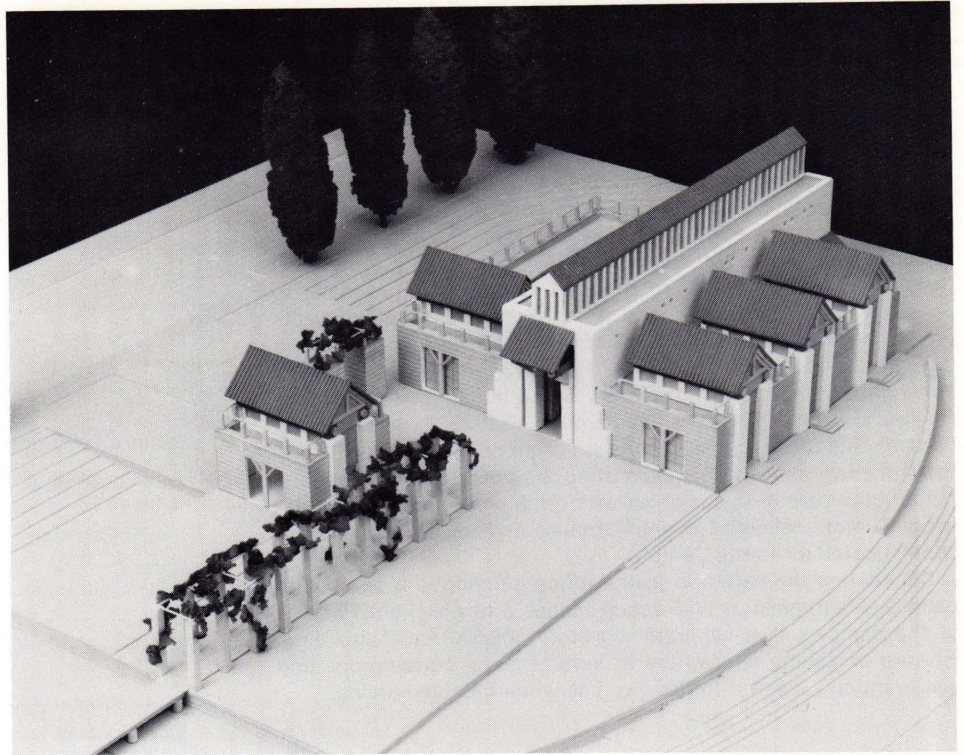
## Environmental Education Center

Liberty State Park  
Jersey City, N.J.

Architect:  
Michael Graves, FAIA  
Princeton, N.J.

### Jury Comments:

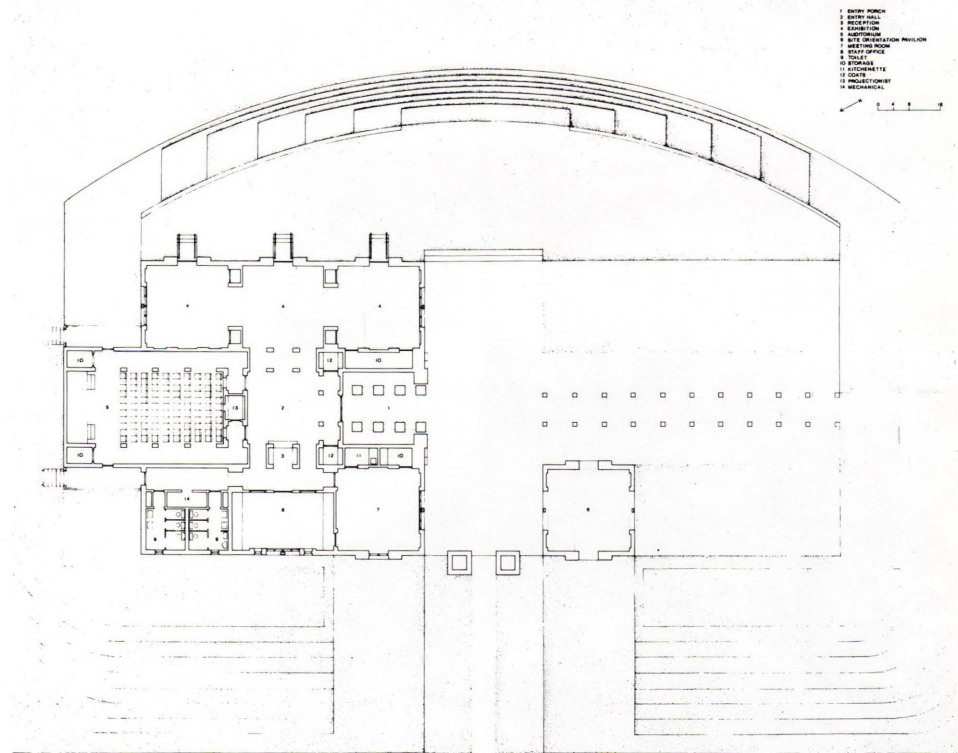
"A new project within a very special environment with a use seemingly made to order for the architect's very individual style. Sensitive and original in its principal materials and form."



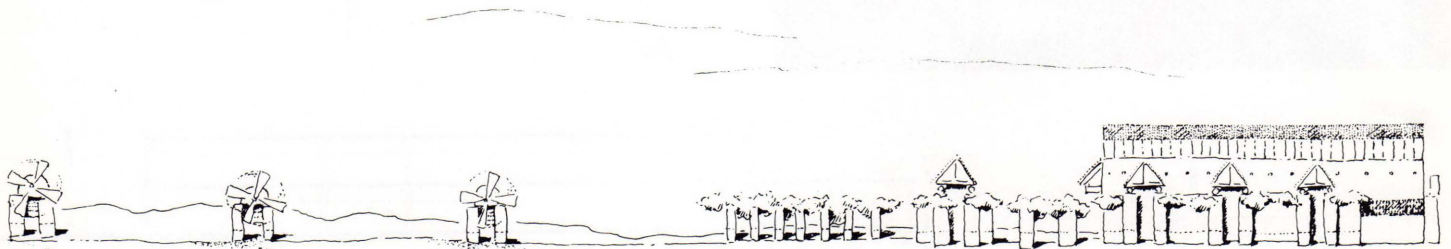
Model

The Environmental Education Center is located within Liberty State Park with views to the Statue of Liberty and the southern tip of Manhattan. Within the building, there will be exhibitions and lectures concerning the indigenous wildlife and environmental context of the park and surrounding region. Extending from the building into the marshy landscape will be a nature trail system forming a loop through a series of descriptive pavilions.

The building's plan groups three exhibition galleries off a central entrance hall; these spaces receive natural light through glass doors leading to a terrace overlooking the harbor and through clerestories in the light monitors above. Also stemming from the entrance hall are the public auditorium, administration and meeting spaces. The building is clad in cedar siding and stucco and has clay tile roofs over wooden trusses, materials indigenous to the Jersey shore. Its mechanical system is designed for energy efficiency and takes advantage of this particular waterfront site.



Ground Plan



Site Elevation

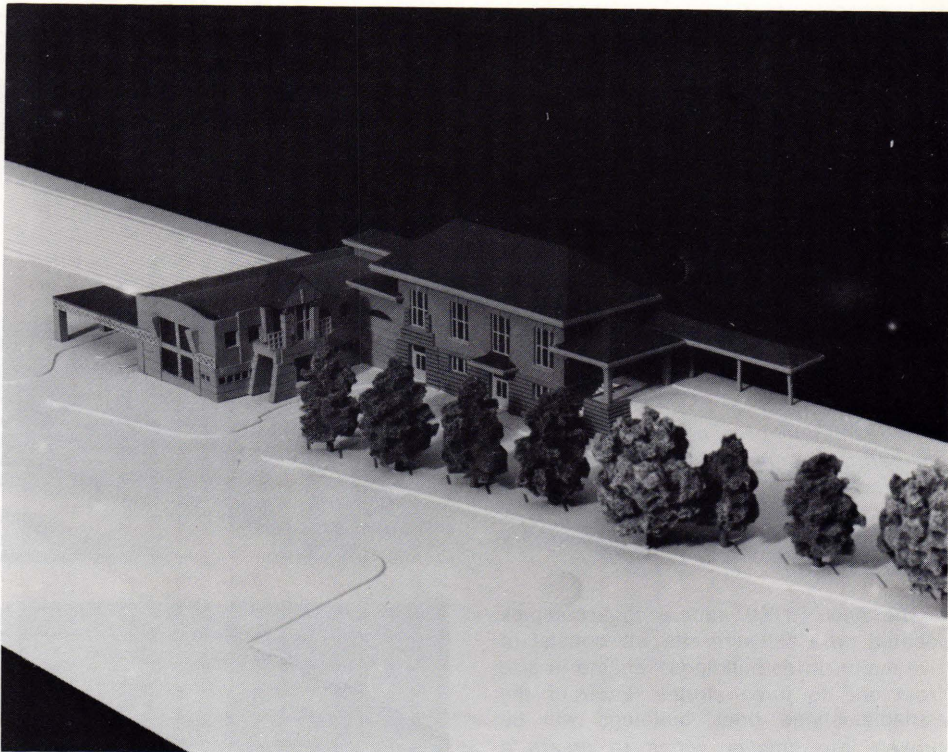


# Millburn Railroad Station Millburn, N.J.

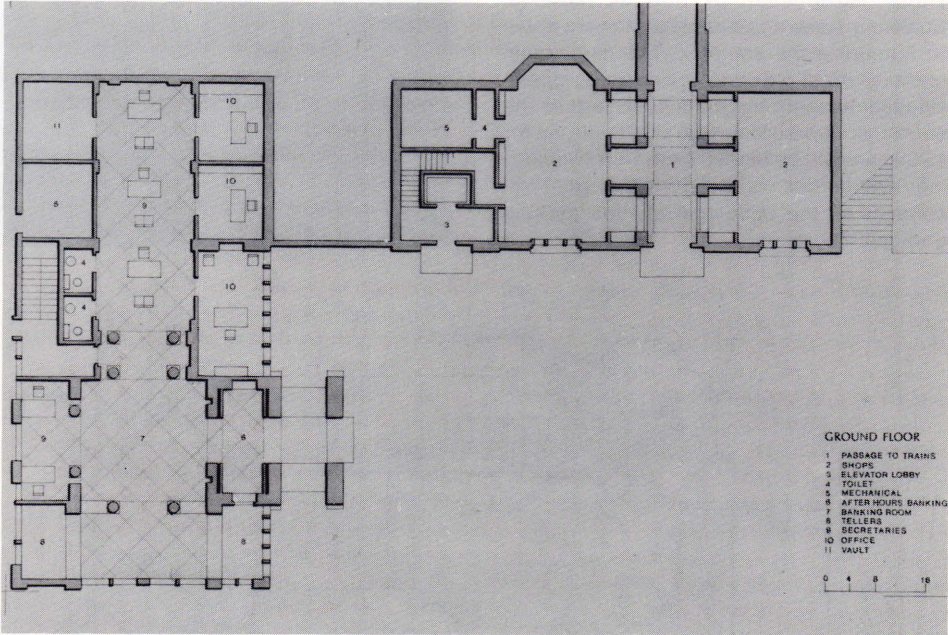
Architect:  
Michael Graves, FAIA  
Princeton, N.J.

Jury Comments:  
"A very responsive and sensitive treatment  
of a renovation and addition to an existing  
building of special character. The new  
forms generated and use of materials seem  
ideal."

The existing Millburn Railroad Station, built in 1906, is to be renovated and an office wing, including a branch bank, will be added to it. The new building is located perpendicular to the existing structure and connected to it through an existing stair wing which will be enclosed. The enclosive gesture of the new L-shaped plan defines an automobile forecourt in front of the station. One has attempted to make the court facades complimentary or compatible by continuing the three part organization (base, middle and top) of the existing building's facade across the new building, particularly the rusticated base. The three main entrances to the buildings — one to the train, one to the lobby for the second floor offices, and one to the first floor bank located in the addition — have each been given their own identities.



Model



Floor plan



Section through renovation and addition.



# honorable mention

## Beneficial Management Headquarters, Inc. Peapack Gladstone, N.J.

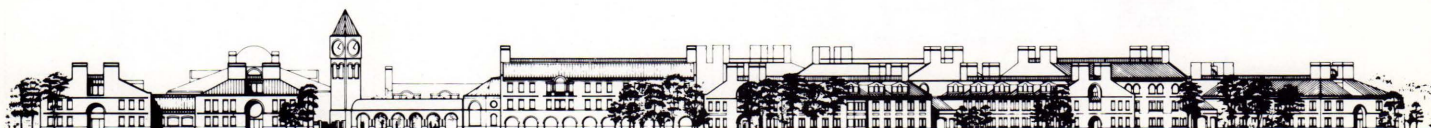
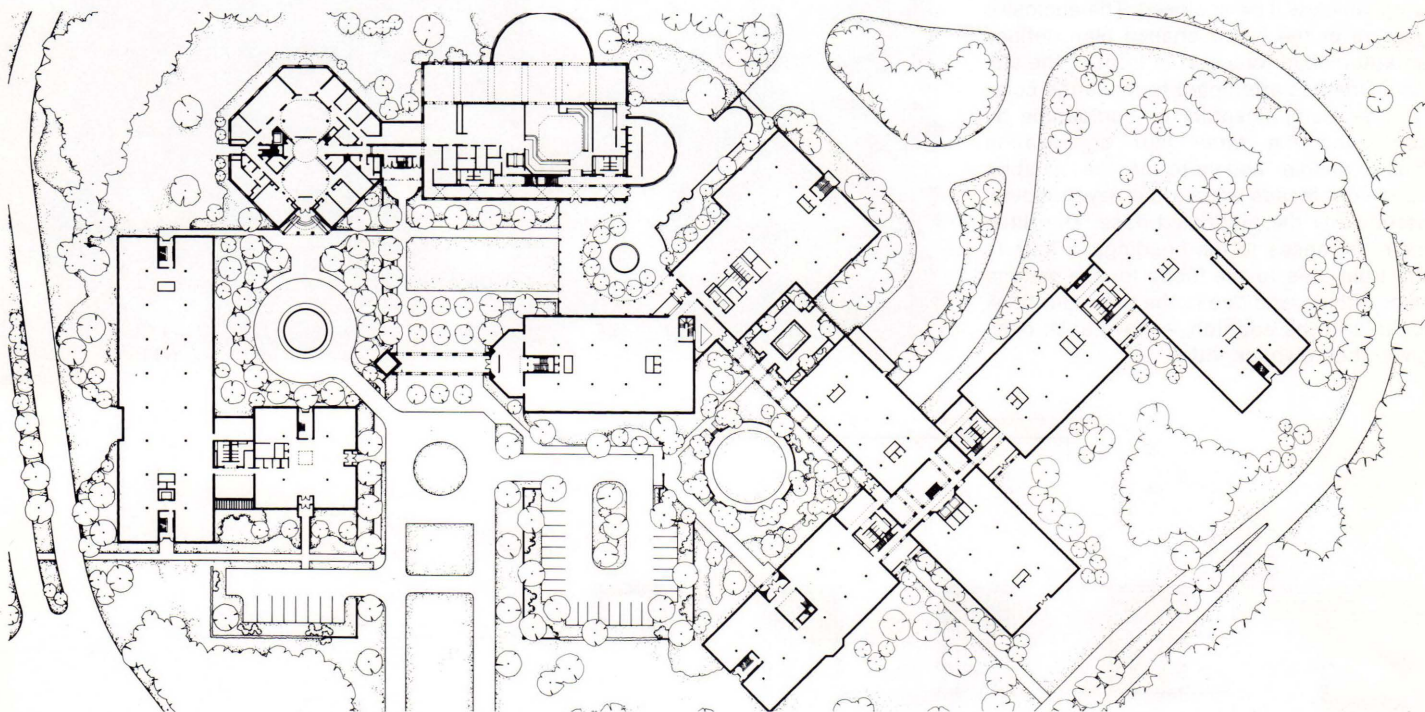
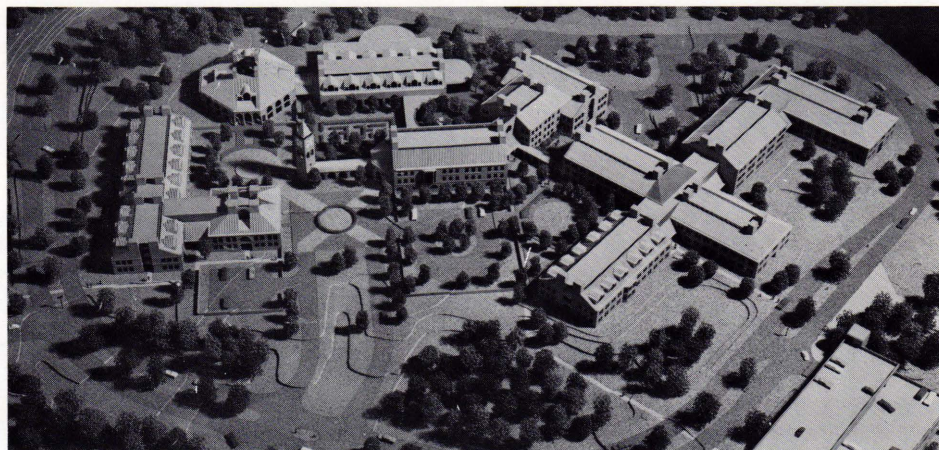
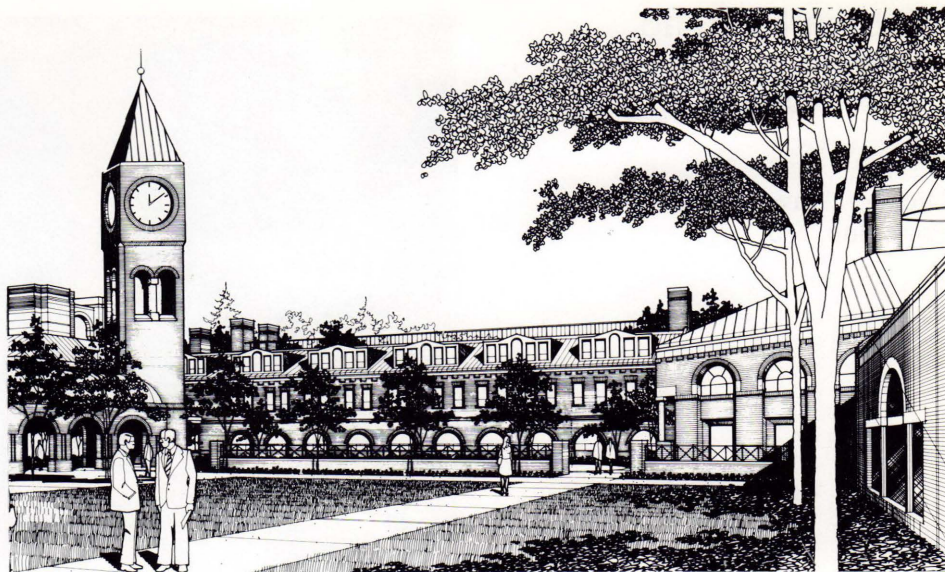
Architect:

The Hillier Group  
John Pearce, Principal-In-Charge  
Princeton, N.J.

Jury Comments:

*"The resolution of a bulky program into comparatively small, finely scaled components bringing with it the advantage of a variety of exterior spaces punctured by a successful landscaping effort marked this project for award."*

The new 50,000 square foot complex located on a 150-acre site will consist of five major office buildings, ranging in size from one to three stories. Each of the Palladian-styled brick buildings will be broken into smaller wings to create a village effect. Brick and cobblestone courtyards surrounded by formal gardens, flowering trees and seasonal flowers serve to humanize the complex. The campanile, reminiscent of old clock towers in European villages, accents the main courtyard at the entrance. Underground parking facilities for 1,250 cars will be hidden from view by plantings and garden walls. A tunnel system will connect all the buildings and the parking garages.

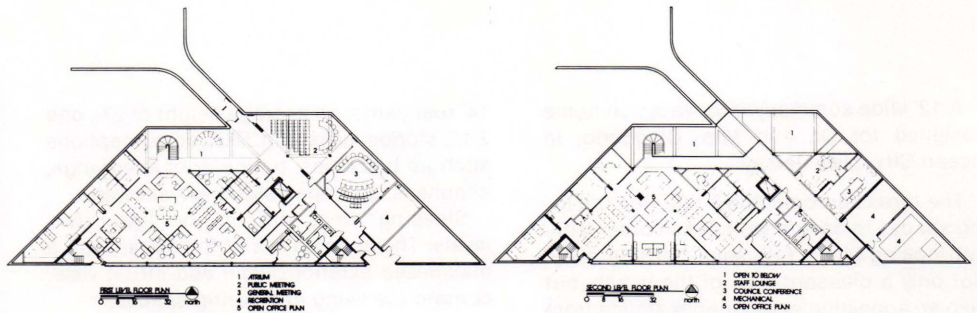
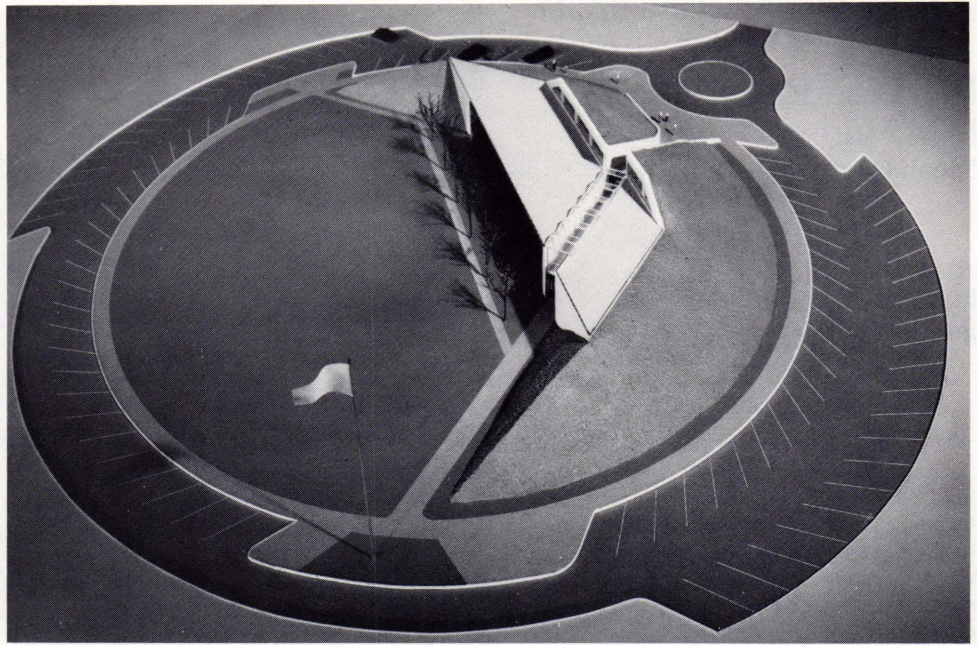




# East Windsor Township Municipal Center East Windsor, N.J.

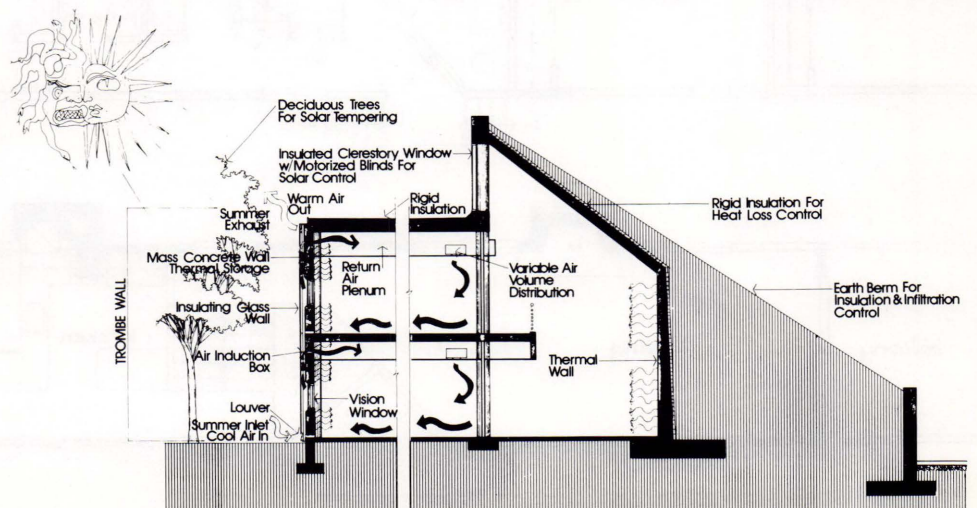
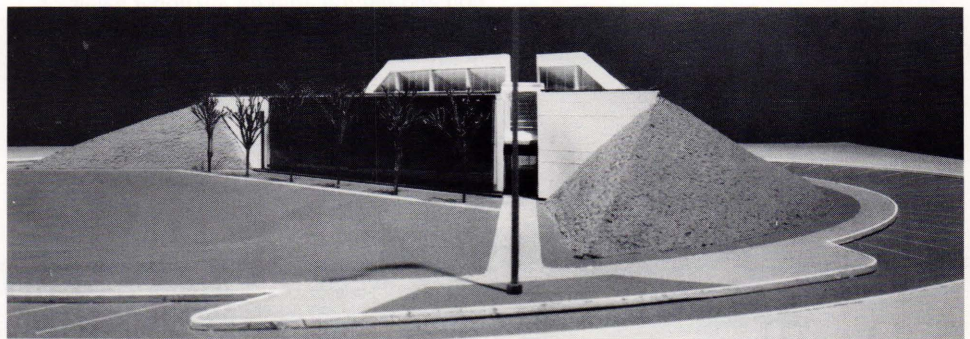
Architect:  
The Hillier Group  
Princeton, N.J.

Jury Comments:  
*"Where formal structure is minimized, an interesting combination of landscape and building augmented by an excellent plan overcomes some technical reservations on the part of the jury on the assumption they can be resolved without dilution of the concept."*



As energy conservation and efficiency become paramount concerns to the architecture of the 1980's, the architect must case aside traditional design criteria. The East Windsor Municipal Center may be one of the first public structures in the country to demonstrate highly controlled energy conservation.

The two-story, 18,000 square foot municipal center is located in central New Jersey on a flat far field site with two major roads at its perimeter. The circular parking lot and the ring road define the building area. The structure's trapezoidal shape runs its axis east and west to minimize the north walls exposure to maximize available southern exposure for solar collection. The circular earth berm surrounds the building on the east, west and north, markedly reducing heat loss and infiltration. The dominant solar component of the structure is a Trombe wall of approximately 3,100 square feet of passive solar collector area. In addition to the Trombe wall, a sloping roof allows a higher ratio of south-facing glass.





# honorable mention

## The Diaddorio Thin House Ocean City, N.J.

Architect:  
Radey Associates  
Cherry Hill, N.J.

### Jury Comments:

*"In many ways this project seems overly complicated qualifying its acceptance by the jury. Response to a difficult context, an interesting plan and ocean facing facade are worthy."*



A 12' wide summer/winter vacation home designed for Dr. and Mrs. Diaddorio, in Ocean City, New Jersey.

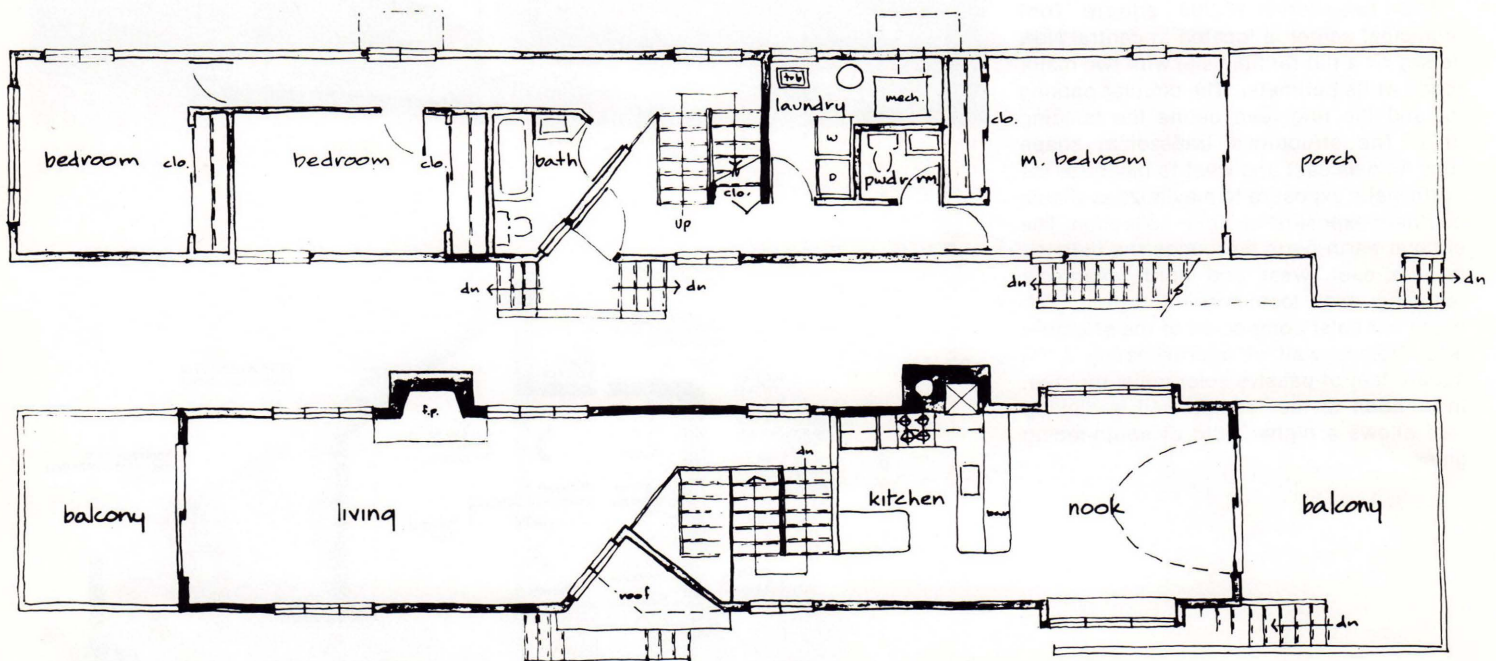
The three bedroom home required the living spaces to be opened to each other without looking like a furnished bowling alley. Not only a pleasant view of the beach, but also an appealing exterior appearance from the beach was desired.

The Ocean City zoning ordinance for the 20' wide beach front lot requires 4' side and

14' rear yards, an average height of 27', and 2-1/2 stories maximum. Set back exceptions such as balconies, patios, roof overhangs, chimneys, and open stairs are allowed.

Sleeping areas are on the lower two levels. The upper levels of the house with a maximized exterior ocean and street view, contain the living and eating spaces.

The clerestory windows provide ventilation and natural light on the upper levels of the house. Consideration was given for future solar panels on the living room roof.





# museum exhibits

## Flat Rock Brook Center For Environmental Studies Englewood, N.J.

Architect:  
Ballou-Levy-Fellgraff  
Ridgefield Park, N.J.



In addition to providing a facility for administration, meetings and nature instruction, the Flat Rock Brook Nature Center was designed to utilize solar energy for approximately 50% of its heating requirements and to use its passive and active systems to demonstrate solar concepts.

The form of the building reflects both its relationship to the 75 acre nature preserve and its use of the sun. The central corridor of the building lies on one of the principal site paths, thus symbolically and practically integrating the building with the wild outdoors. The south wall is set obliquely to the path's axis to orient directly south for maximum solar benefit.

The solar heating systems include: solar greenhouse with insulated overhead door shutters and water tube thermal storage; direct gain with sliding shutters and concrete floor slab thermal storage; an active system with vertical site-built air flat plate collectors and a rock storage bin; an active system for domestic hot water with liquid flat plate collectors on the roof.



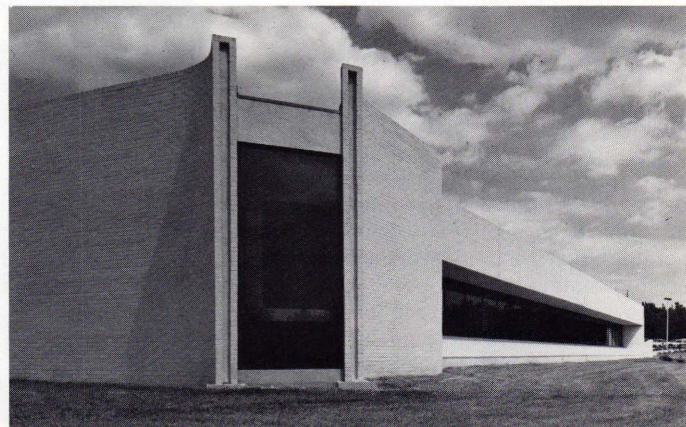
## Edward Weck and Co., Inc. Corporate Headquarters Durham, N.C.

Architect:  
Eugene F. O'Connor, AIA  
Hightstown, N.J.



The challenge of the Edward Weck and Co., Inc. project was to provide a facility for a company operating from three separate locations in the Northeast to a single facility 500 miles away. The new Corporate Headquarters required a facility which would house the manufacture of Surgical Instruments and Commercial Blades, a typical manufacturing environment; and the production of Hospital Disposable products which requires an almost pharmaceutically clean environment. The design solution separates these program areas with the Warehouse area. This space enables the two divergent requirements to be divorced from each other while facilitating easy flow of materials into storage and subsequently on to the user. The Administrative area is a lineal form which interfaces with both manufacturing areas and the Warehouse space.

The entire structure is sheathed with face brick indigenous to the area. Glass curtain walls are introduced where appropriate. The form and use of this simple exterior expression allows this industrial building to take on a character comparable to its research oriented neighbors.





# Edison Municipal Complex

Edison, N.J.

Architect:  
Eckert, Morton, Russo, P.A.  
North Brunswick, N.J.

The new Edison Municipal Complex is a three-story, fireproof structure located on 8.14 acres in the vicinity of Route 27 and Talmadge Road, Edison Township, Middlesex County, New Jersey. Occupied in March of 1980, the building complex consists of 117,000 square feet of floor space. General use spaces are clustered around main entrances with administrative offices arranged in relation to public use. The following department of the Township governments are included:

- A. Executive
- B. Administration
- C. Finance
- D. Law
- E. Municipal Court
- F. Parks and Public Buildings
- G. Engineering
- H. Public Works
- I. Public Safety

The structure has on-grade access and includes all provisions for barrier-free design. Exterior finishes are exposed concrete and precast decorative concrete panels. The building is designed and oriented to be energy-efficient and incorporates a heat recovery system for building environmental efficiency.

Site improvements include full landscaping, drainage, lighting, road network and parking for all employees and visitors with security entrance roadway and parking for police vehicles to the rear of the building.





# museum exhibits

## St. Michael's Cathedral Sitka, Alaska

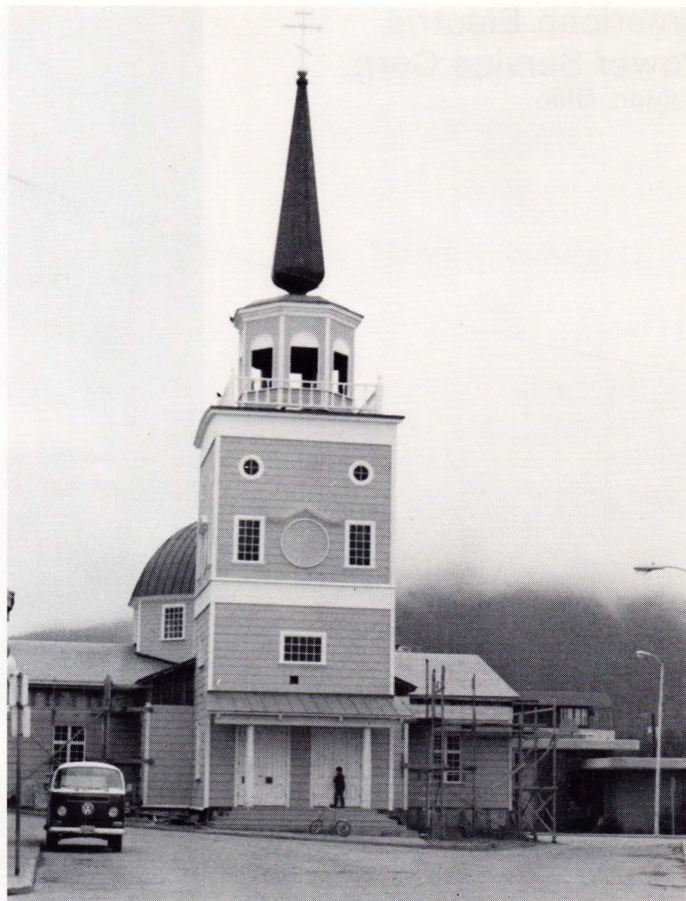
Architect:  
Sergey Padukow, AIA  
Toms River, N.J.

Built in 1844, the most interesting relic of the Russian Period of Alaskan history is St. Michael's Cathedral, Sitka, Alaska. It was proclaimed by U.S. Department of Interior as a U.S. National Historical Site. Its priceless icons and richly embroidered robes were brought from St. Petersburg, Imperial Russia.

On January 2, 1967, one hundred twenty-five years after its dedication, the cathedral was destroyed by fire. Because of the national and cultural significance, the National Park Service recommended to restore the monument.

The plans for restoration were prepared by New Jersey architect Sergey Padukow. He made a personal survey of the site, collected photographs and sketches, and elaborated plans and specifications. He planned the restoration so that the interior and exterior finishes were identical to the original construction, while all hidden materials were reinforced concrete and fireproofed structural steel. The dome, steeple and crosses were manufactured in New Jersey, as were drawings of the altar screen and wood carvings by Sergey Padukow.

Reconstruction was completed in 1977.

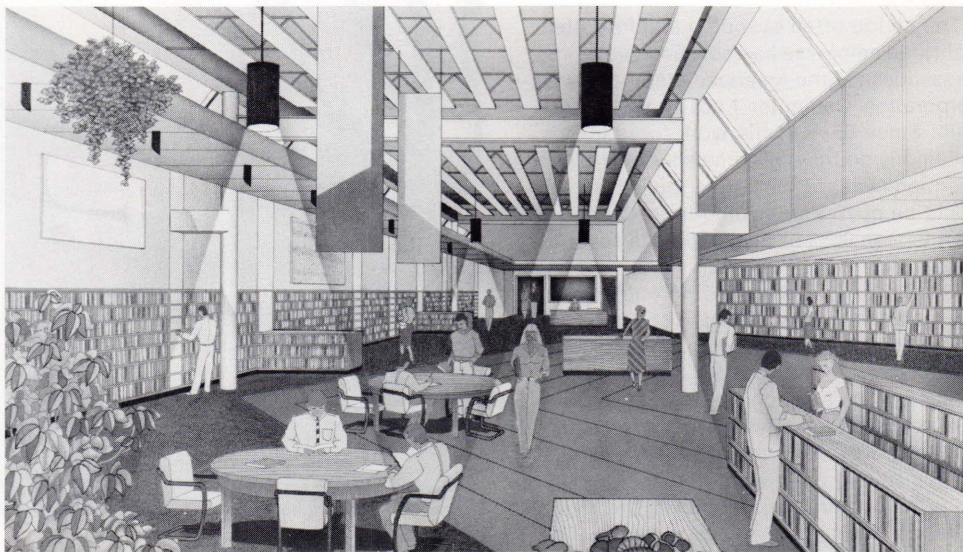


## Addition to Matawan Aberdeen Regional High School Matawan, N.J.

Architect:  
Gregory R. Arner, AIA  
New Providence, N.J.

During the 1978-79 school year the Board of Education of Matawan-Aberdeen Regional School District applied for a grant under Chapter 74 of the Laws of the State of New Jersey for building aid to increase the size of the high school facility to accommodate the present enrollment of 1,400 pupils. The school district was fortunate to receive funding to provide an addition of approximately 20,000 square feet.

The addition was designed to provide much needed space for a Media Center, T.V. Studio, Classrooms and Business Department.



The Business Education Department will be relocated into the new addition and will have three typing rooms. In addition, one room will be used to house data processing functions and business machine functions. Also, a room is provided for an office simulation program. The department also had two regular sized classrooms for such courses as consumer law and business English.

The Media Center will provide for an environment that is more conducive to learning. Two resource rooms are located adja-

cent to the library/media center area. These rooms house books and magazines related to: 1. Science/Math, 2. English/Social Studies. The librarians desk is arranged in a manner that will allow for visibility to all areas of the library. There is adjoining work room and a large storage area to house magazines, etc. Also, a small room houses A/V equipment.

The Media Center also includes a T.V. studio that would enable a mobile van to be driven into the room for safe storage. This area may be used for instruction as well as a broadcast center for other purposes.



American Electric  
Power Service Corp.  
Canton, Ohio

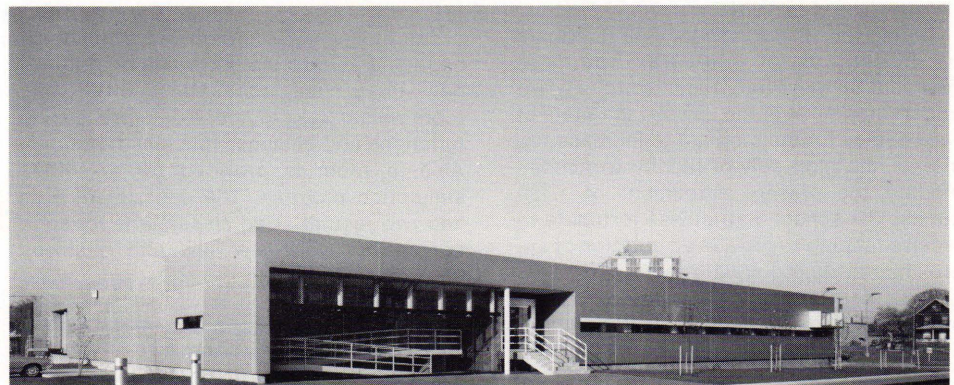
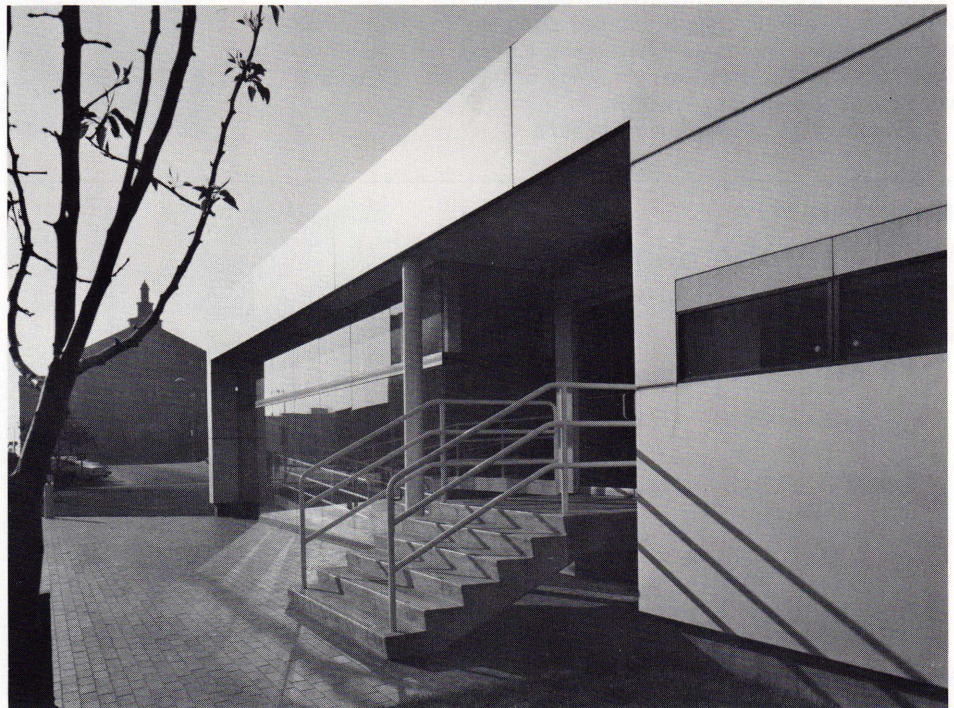
Architect:  
The Grad Partnership  
Newark, N.J.

Jury Comments:

*"A very simple building emphasizing nighttime use. The one face of the building which is architecturally treated is done with simplicity and interesting juxtaposition of solids and voids".*

The all too often obscured and forgotten nighttime employee has now become a first class citizen at the American Electric Power Corporation Computer Facility in Canton, Ohio. Since 65% of the work force in this building is on the nighttime shift, the client direction was to design a building that would be open and inviting in the evening, even though 90% of the building is security clad.

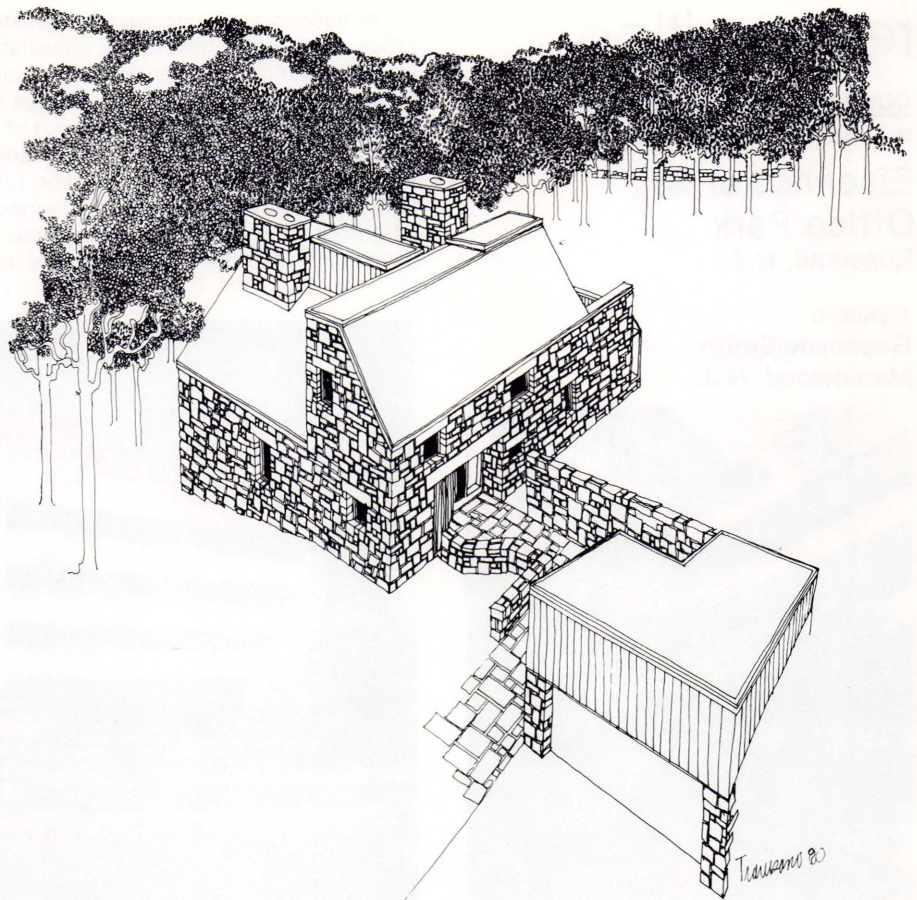
The building is designed on one acre in downtown Canton. A partial flood plain condition of the north face of the building meant raising the building 3'-6" above finished grade and considering the "barrier free" requirements. By creating a ramp, the architect created a major sculptural element with rear aluminum blue accent wall at the major entrance. To open up the major entrance, butt glazing was used. The sophisticated, technical character of the computer machinery within the building is expressed by the exterior skin, which succeeds in reflecting its highly technical nature; because of the extraordinary security required by the client with 12" reinforced concrete wall enclosure, a strong solution was achieved by downplaying its massiveness by cladding with aluminum panels and thereby creating an elegant, light architectural machine. The disproportionate size requirement of the cooling tower was expressed as a separate form, with a dynamic round aluminum exposed duct enclosure bridging both forms to express this dichotomy of function and form.





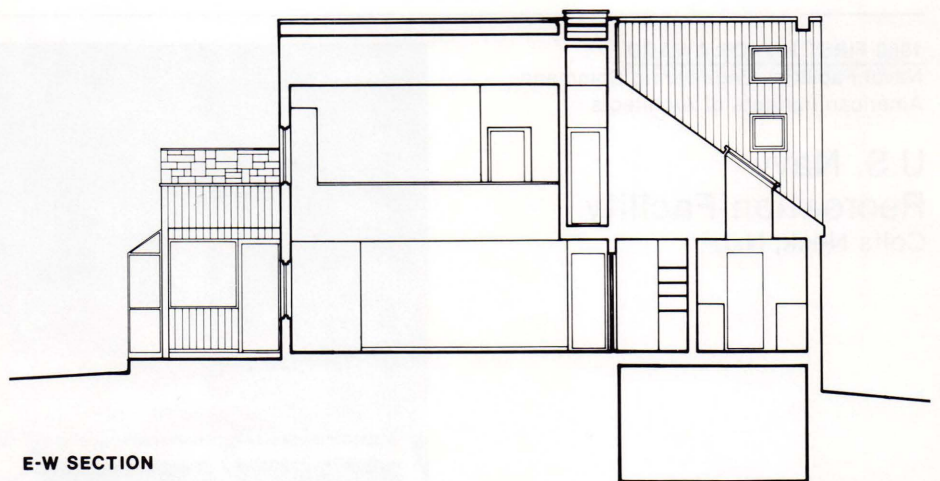
# The Weinroth Residence

Hopewell Twp., N.J.

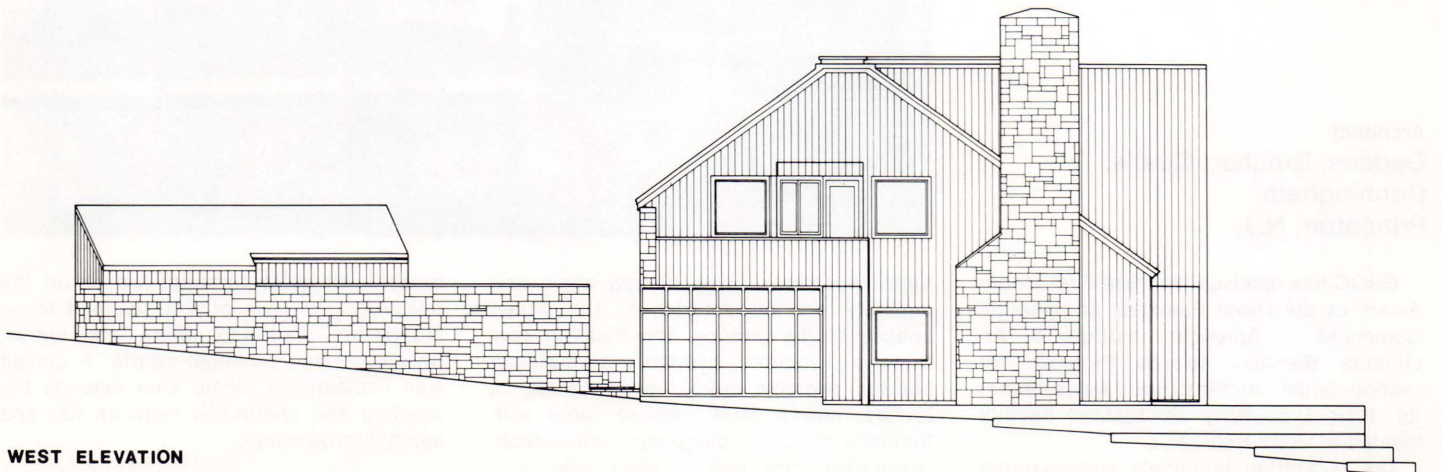


Architect:  
Clarke and Travisano  
Trenton, N.J.

The Weinroth Residence, a house on a gently sloping, wooded site in Hopewell Township, New Jersey. The owner wanted a stone house reminiscent of the older farm houses in the area, but with more open interior living spaces for entertaining which connect directly to exterior terraces and decks. The plan developed for the house has an entry court formed between the garage and front entrances. Stone with concrete lintels and small window openings provide for good protection from north winter winds as well as establish the vernacular link with the older houses along Poor Farm Road. The kitchen, dining, and bedroom areas form an "L" around the living room which opens out into the major terrace facing south. The living room opens up to a second story den with access to a deck over the dining area. The house is constructed of 2 x 6 wood frame with wood stone on the north and east walls and cedar siding on the south and west walls. All exterior walls have six inch insulation with nine inches of insulation in the roofs. The heating system recirculates hot air developed in the skylights in winter and ejects it during summer.



E-W SECTION



WEST ELEVATION



# recognition

## **GOOD NEIGHBOR AWARD**

N.J. Business & Industry Assn.

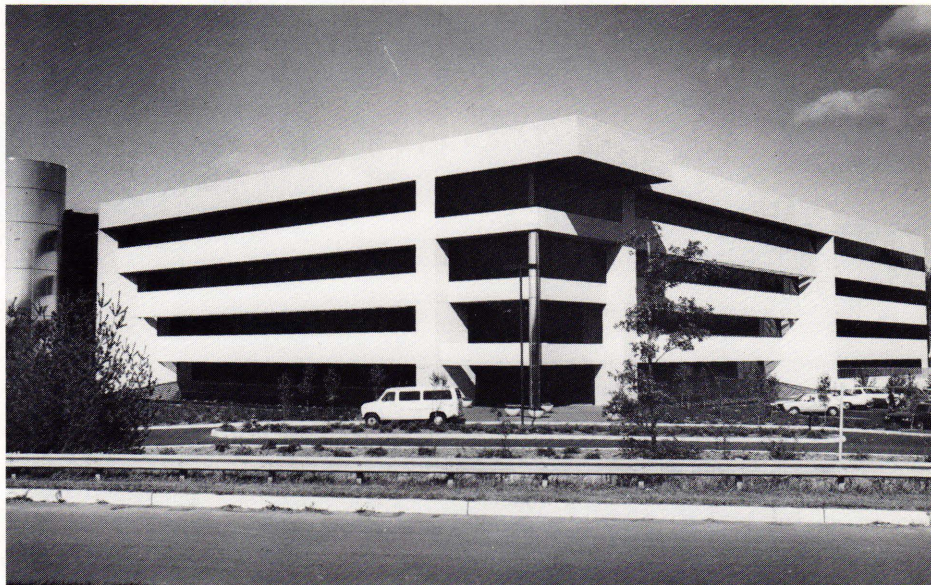
### **Eisenhower 280 Office Park Roseland, N.J.**

Architect:  
Gascoyne/Smith  
Maplewood, N.J.



The building was conceived as a prestige office park to be built on a speculative basis for first class professional tenancies. Since most professionals have a high demand for private offices, the concept of an enclosed, sky-lighted, full height atrium was proposed. Besides its aesthetic function, the atrium provides additional windowed offices as desirable and prestigious as perimeter offices. Floor sizes increase from

the atrium level up, to accompany various sized firms. An executive garage is provided within the building, and a separate storage level is available to the tenants at a much lower rental than the conventional space. Also provided is an energy saving H.V.A.C. system, double-glazed windows, and superior building standard finishes, such as full height doors, para-balume light fixtures, and a 1 x 1 concealed spline ceiling.



## **1980 FIRST HONOR AWARD**

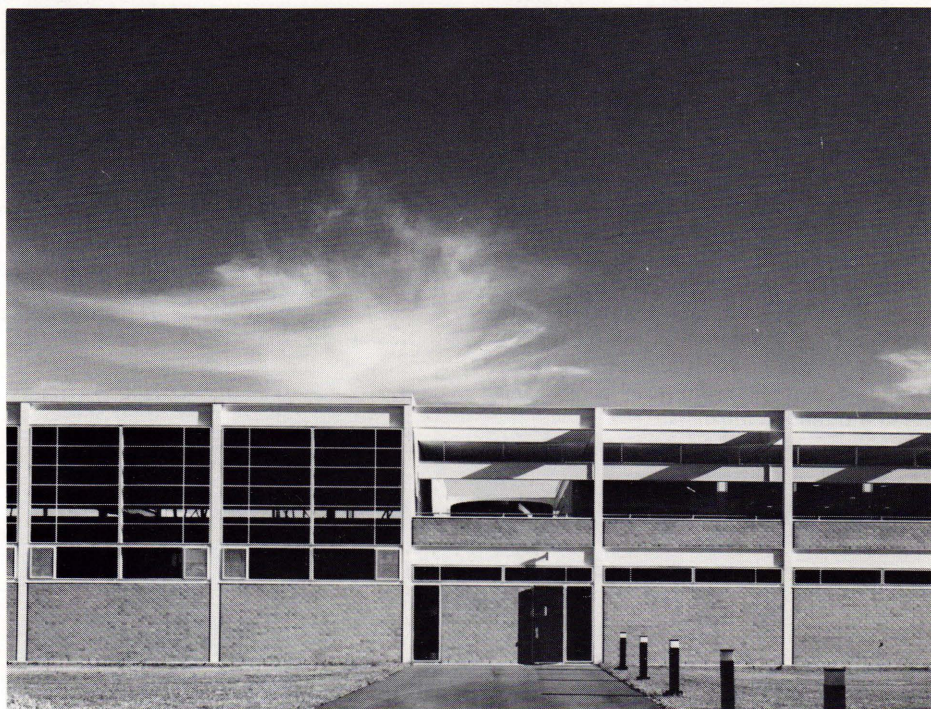
Naval Facilities Engineering Command  
American Institute of Architects

### **U.S. Navy Recreation Facility Colts Neck, N.J.**

Architect:  
Geddes, Brecher, Qualls,  
Cunningham  
Princeton, N.J.

GBQC has received the 1980 First Honor Award of the Naval Facilities Engineering Command — American Institute of Architects Biennial Awards Program for Distinguished Architectural Achievement for their U.S. Navy Recreation Facility located in Colts Neck, N.J.

The recreation building's white-painted



steel framework gives human scale and legibility on the exterior to the varied spaces of the interior. The building contains a two-story gymnasium, handball courts, exercise and locker rooms, a lounge, and a multi-purpose room with facilities for pool, pingpong, and pinball. Overlooking the multi-purpose room is a

balcony for quiet pursuits. A deck off the balcony has views of the sea and lower Manhattan. Outdoors there are tennis, basketball and handball courts. A curved wall enclosing a picnic area extends the building and shelters it from its flat and sandy surroundings.



**SOLAR GRANT DESIGN AWARD**

U.S. Dept. of Energy

**1980 PASSIVE SOLAR DESIGN AWARD**

Fifth National Passive Solar Conference

**Princeton Professional  
Park**

Princeton, N.J.

Architects:

A Joint Venture —

Harrison Fraker, AIA

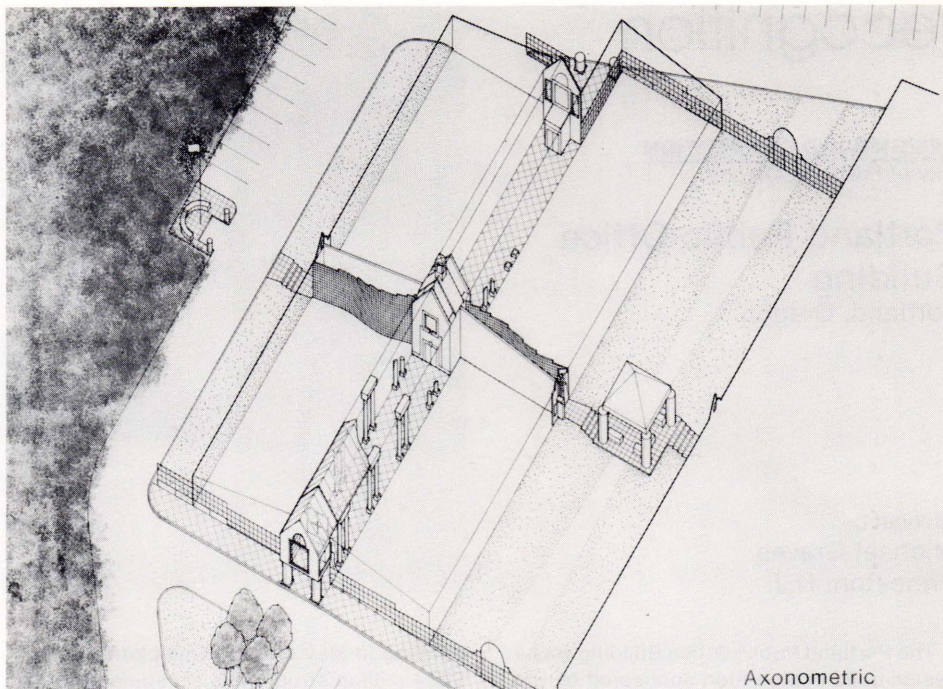
Short and Ford, AIA

Princeton, N.J.

The architects describe this 64,000 sq. ft. professional office complex as an interpretation of relationships between workplace and nature by structuring an office-garden environment of general "loft" spaces with a system of atria, meandering paths, and garden rooms which are impor-

tant user amenities and whose spatial form becomes as significant as the buildings', i.e., their void becomes figural. References to historical garden features (gates, trellises, meandering paths, gazebos) and fragments of urban elements (porticoes, galleries, atria, cupolas) are also major

energy-conserving features. They serve to reduce all building energy loads: heating, cooling and daylighting. Their dynamic response to climate becomes a major part of architectural experience, integrating awareness of natural process with experience of the workplace.



**GOOD NEIGHBOR AWARD**

N.J. Business & Industry Assn.

**Mack Short Hills**

Short Hills, N.J.

Architects:

Mitchell E. Hersh, AIA

Wayne, N.J.

Barrett A. Ginsberg, AIA

Bernardsville, N.J.

On a thirteen acre site adjacent to dedicated park land the Mack Company has developed this Short Hills office building of five stories and 225,000 square feet. Located next to the Short Hills Mall, this structure has been skillfully sited to enhance its relationship with its surroundings.

The building is angled away from the



street and is broken in a series of setbacks. These setbacks reduce the perceived mass of the building and help create an entry that is partially sheltered by its flanking exterior wall. At the building's rear, the site is landscaped to correspond with the adjacent park land.

The exterior is finished in granite panels and solargrey insulating glass. At the en-

trance, a five-story glass-enclosed lobby incorporates one of its high-speed elevators in a glass cylinder.

Fully leased prior to completion, tenants include Westinghouse Electric Corporation, Bell Telephone Laboratory, Inc., and Mobile Oil Corporation.



# recognition

## **DESIGN-BUILD COMPETITION**

City of Portland, Oregon

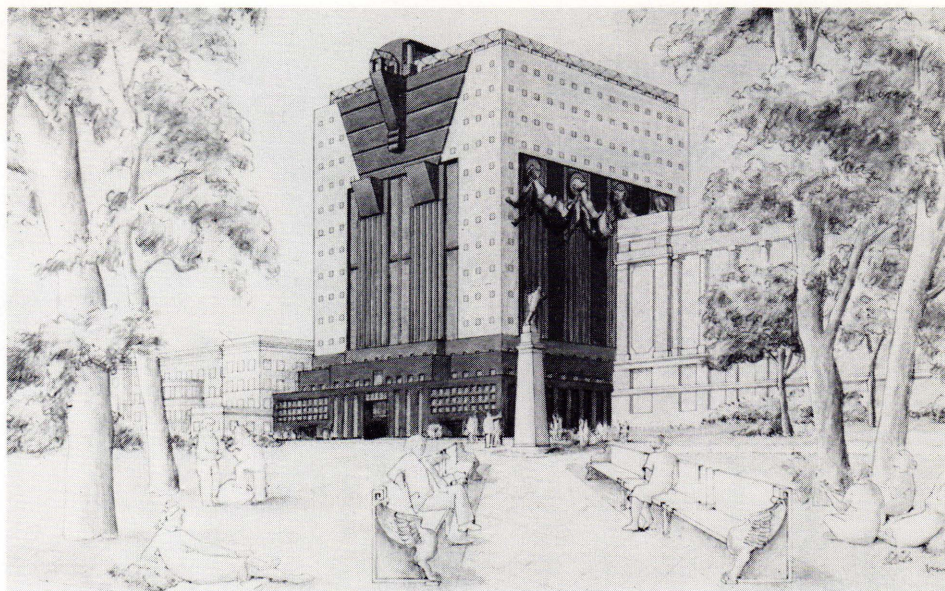
### **Portland Public Office Building**

Portland, Oregon

Architect:

**Michael Graves**  
Princeton, N.J.

The Portland Public Office Building was a design-build competition sponsored by the City of Portland, Oregon. The competition, which also included teams headed by architects Mitchell-Giurgola of New York and Arthur Erickson of Vancouver, B.C., took place between December of 1979 and February of 1980. The Graves team was designated the winner of the competition and commenced construction of the



building in May of 1980. Completion of the \$22.4 million structure is scheduled for October of 1982.

The figure of "Lady Commerce" from the city seal, reinterpreted to represent a broader cultural tradition, is placed in front of one of the large windows and furthers one's association with the city. Above the city services offices, the five tenant floors are located behind a cradle-like surface

which is seen as supported on the large columns. On the roof, a domestic-scaled pavilion on the east side looks out toward the city's residential district and a second, more public pavilion offers a distant view of Mount Hood to the west. These pavilions and their supporting brackets further act as a head or crown to the building, reinforcing one's human or anthropomorphic identification with it.

## **GOOD NEIGHBOR AWARD**

N.J. Business & Industry Assn.

### **Ebasco Services Building**

Lyndhurst, N.J.

Architect:

**Henry Iggena, AIA**  
Lyndhurst, N.J.



The Ebasco Services Building owned by the Bellemead Development Corporation has been honored with a 1980 Good Neighbor Award.

Ebasco Services is an internationally known organization involved in the design, construction and management of power generation facilities. This 130,000 square foot, three-story building houses a portion

of the company's design and engineering personnel. As befits an organization involved with power generation, this building is designed as a highly efficient energy conserving envelope, containing a very low ratio of window area and a highly insulated exterior wall. This building is the first phase of a structure that will eventually be expanded to 230,000 square feet.



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**SEVENTEENTH ANNUAL CONCRETE  
AWARD**

N.J. Ready-Mixed Concrete Assn.

**Ann Street  
Parking Deck**  
Morristown, N.J.

Architect:  
The Weaver Partnership  
Morristown, N.J.



The Weaver Partnership, Morristown Architects and Planners, received a Merit Award, best in Public Works category, for the design of the Ann Street Parking Deck. The competition was sponsored by The New Jersey Ready-Mixed Concrete Association and The American Concrete Institute. Alexanders & von Bradsky was the structural engineer.

Great care was taken to preserve an historic stone wall which borders the site and is the only remaining vestige of an early 19th century reservoir.

The design combines a pre-cast concrete structural system with brick faced rail/wall planters for low maintenance and homogeneity with the adjacent historical County Complex.

**RONALD A. MAZZARELLA  
MEMORIAL AWARD**

**Tri-County  
Savings and Loan Assn.**  
Barrington, N.J.

Architect:  
Tarquini Liszewski Plus  
Camden, N.J.



The Tri-County Savings and Loan Association received the 1980 Ronald A. Mazzarella Memorial Award for Excellence in Design Development.

The Design Award Selection Committee cited this building in the Borough of Barr-

ington as, "A good example of the adaptive reuse of an older structure. Good landscaping and sensitive design allow it to mesh well with the surrounding residential area. In particular, we noted its comfortable interior design, its energy savings aspects, and its barrier free access."



# recognition

## **GOOD NEIGHBOR AWARD**

N.J. Business & Industry Assn.

### **One Executive Drive**

Fort Lee, N.J.

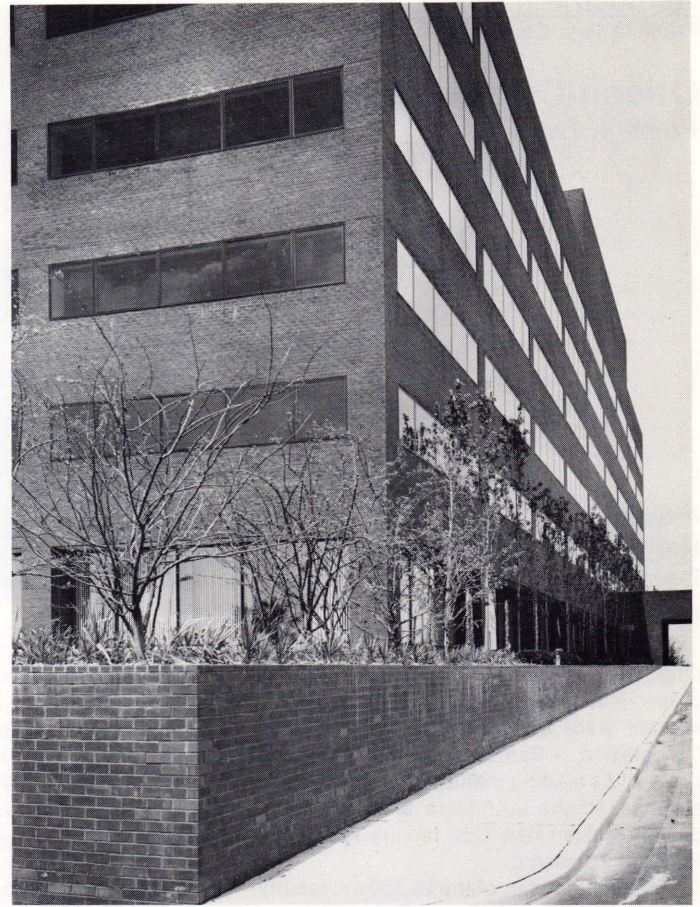
Architect:

**Henry Horowitz & Associates**  
Princeton, N.J.

Dramatically positioned on a high rocky cliff overlooking Route 4, this 240,000 square foot seven story building is one of the largest office buildings completed in New Jersey in 1979.

The west facade is characterized on its upper floors by a strong, simple outline, the continuous, 5 foot high bronze-tinted windows flush with the dark brick face of the building.

The east facade rests on a 12 foot deep base, and is punctuated, slightly off-center, by a 12 foot high brick entrance portico. The lobby, on axis with the center of the portico, extends the full width of the building and ends in a continuous glass wall, presenting visitors with a sweeping panoramic view of the Watchung Mountains to the west.



## **GOOD NEIGHBOR AWARD**

N.J. Business & Industry Assn.

### **American Cyanamid Company**

Construction & Engineering Div.  
Wayne, N.J.

Architect:

**The Gilchrist Partnership**  
Leonia, N.J.



The first phase of the new administrative offices for American Cyanamid Company is situated on the crest of a 6.4 acre site in Wayne, New Jersey. The building was carefully sited to preserve the uninterrupted view of surrounding countryside. The 56,495 square foot building is designed to accommodate expansion to an additional 60,000

square feet. The energy efficient building makes use of inward sloping reflective glass windows on the second floor and recessed solar bronze glass windows on the first floor. In addition, one half of the first story is built into an earth berm to keep heat loss in winter and solar gain in summer to a minimum.



**1980 GOOD NEIGHBOR AWARD**  
Franklin Twp. Chamber of Commerce

## Oticon Corporation

Franklin Twp., N.J.

Architect:  
Rothe-Johnson  
Iselin, N.J.

To create a highly technical and engineered building aesthetic and to preserve the beauty of a rural, heavily wooded site were the problems which Oticon Corporation, a Danish-based company and the world's leading manufacturer of hearing aids, asked the architects to solve in the design of their new U.S. facility located in Franklin Township.

The building plan of the 25,000 s.f. facility

is organized around a circulation spine which "divides" the office functions from the service, repair, and research functions. Shared facilities such as conference room, toilets, lounge and lobby are located directly off the spine. The building form, a rectangle with a "card-out corner" is a response to the project's corner site. The building's stepping back facade and curved courtyard walls open up a corner of the

building to the corner of the site, giving maximum exposure to the building entry. The curved walls, which enclose courtyards accessible from within the building, serve to give a sculptural quality to the building form. A highly technical building exterior is achieved through the use of steel insulated "sandwich panels" and insulated glass units set in rubber gaskets.



## URBAN DESIGN MAGAZINE AWARD

### Baldwin Park

Hackensack, N.J.

Architect:  
Ecoplan  
Englewood Cliffs, N.J.

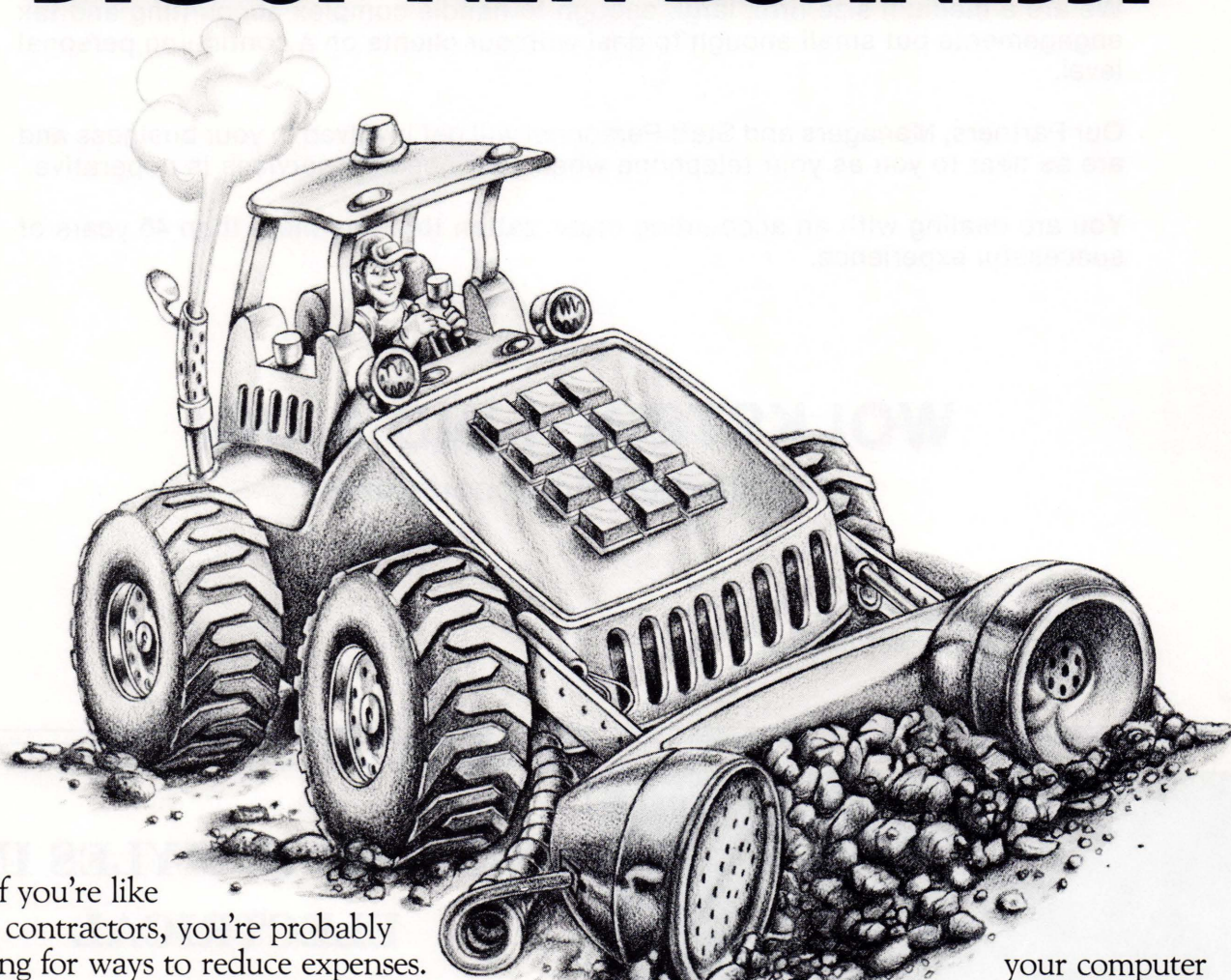


The improvements to Baldwin Park converted the underutilized 1.4 acre site into a functional recreational facility. The design concept was to intensify areas adjacent to an elementary school including unused areas below a stand of sycamore, while maintaining the lawn and softball field at the opposite side of the Park. Design plans featured a series of wood decks that span

the eroded roots allowing the trees to penetrate the raised deck. Designed for handicapped access the deck includes an amphitheatre encouraging outdoor classes. Also included are basketball and volleyball courts, a "Biddy" basketball court for smaller children, as well as many other play activities.



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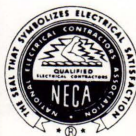
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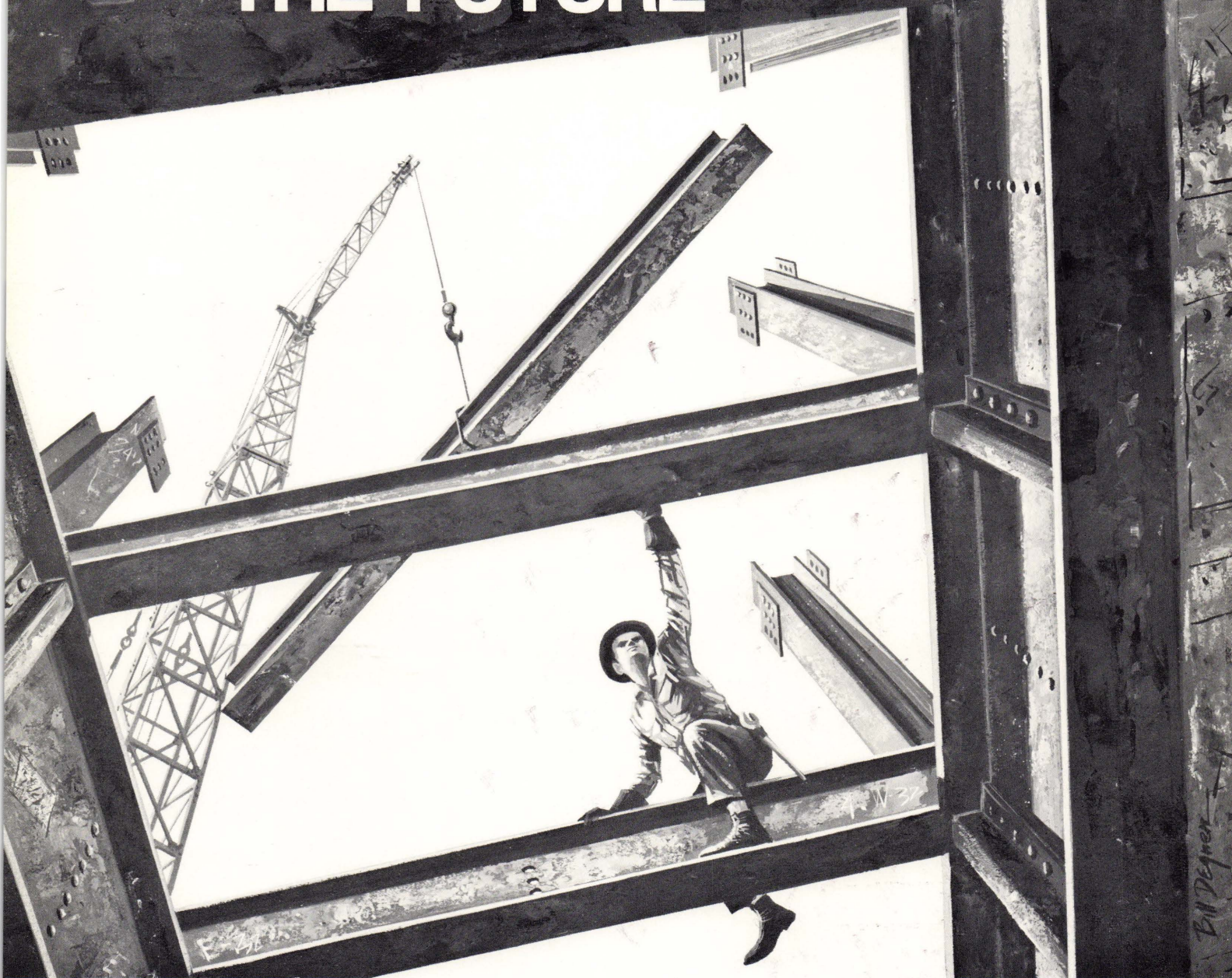


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