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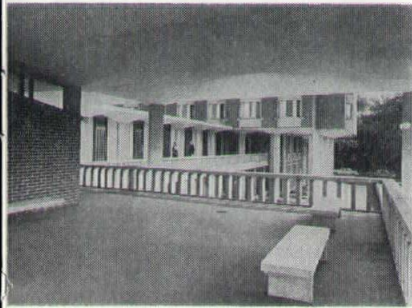
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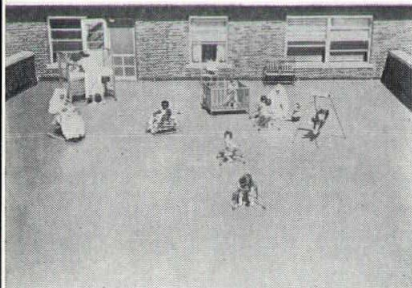
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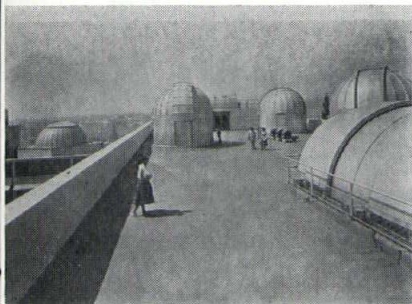
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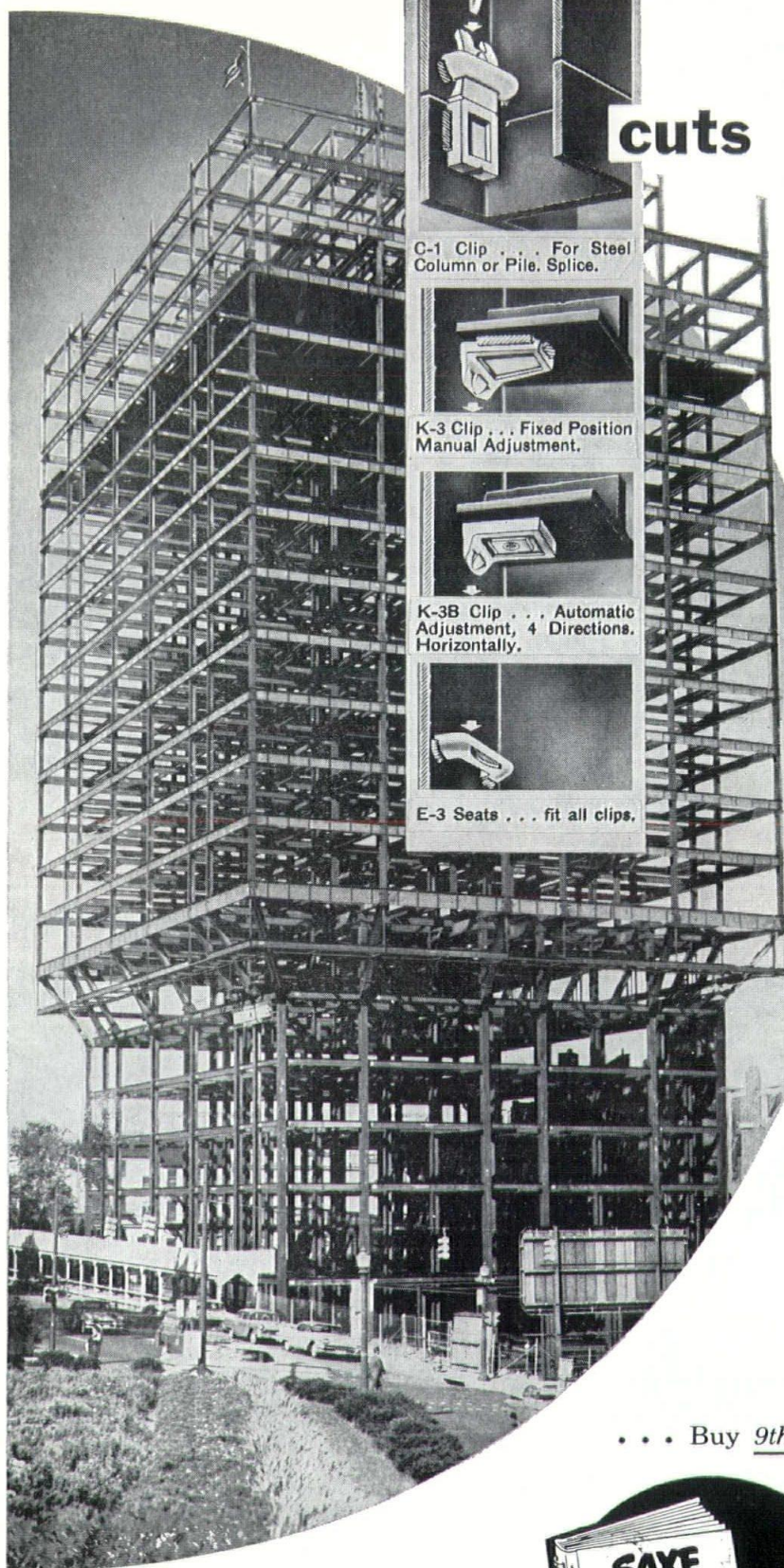


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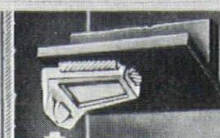
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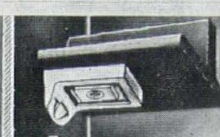
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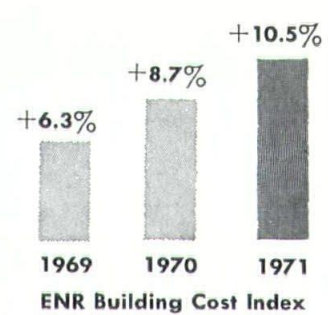
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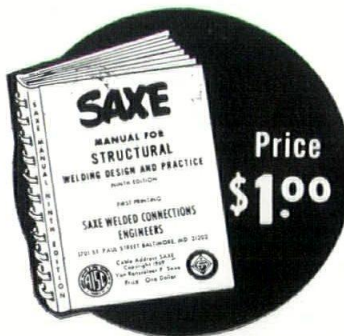
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MAY 1972

A New Age of Hate?

(Part One of Two Parts)

THE Reconstruction period (1865-76) has been called "The Age of Hate." In that era, the hatred was largely concentrated in the Washington Radicals (and nathaziers in the North) and directed at the Southern people and their institu-ns. Today the nation is pervaded by a different kind of hatred, with a variety of stilities, some unacknowledged and most not understood. It seems more like a tional self-hatred turned outward toward fragments within the whole—white d black, city and suburb, young and old, women's lib and male chauvinism, thoritarians and anti-authorities, establishmentarians and anti-establishment-ers, tional defenders and anti-war militants, conservationists and polluters, along th Liberals (old and new), Left and Far Left and Way Out, Right and Far ght, and on and on and on.

In the last issue, the point was made that the current criminal rate (especially mes of violence against persons) is a symptom of a sickness in the American iety. Probably the divisiveness between segments of the people is another mptom of a malady in the nation. This fragmentation and the violations of the v go hand in hand—like the weakness and achiness as symptoms of the flu—and th emphasize disrespect for the rights, or even the opinions, of others. Since is divisiveness is, like crimes of violence, also manifested in aggressive attitudes d behavior, both reflect the basic hostility which seems to be creating a new ge of Hate."

Many thoughtful observers have written on the baleful effects of the tech-logical revolution, where changes came faster than the society and its institutions uld absorb them, and much has been written on the effects of the loss of com-unity identification, along with the loss of the unifying forces of spiritual belief d moral purpose, leading to the recent questioning and rejection of standard merican values. However, these explanations of the fragmentations do not ex-ain the hostility that exists between fragments, in individuals within the frag-ents, and the hostility which many fragments direct toward the nation or what is lled The Establishment or both.

It could be that when America changed from The Land of Promise to the tion of *promises*, most of which by their nature were destined to be broken, the pple turned on the System like spoiled children on over-indulgent parents. here *everything* is either given or promised, and nothing is demanded of the ividual, the individual first loses respect for the Authority, then turns against it th for not giving more and for not making good on all the promises, and finally tes the Authority for being an authority. Whether or not this accurately explains e cause of the pervasive hostility, it is a fact of American life that the fragments st in antagonism to some and intolerance of the others. We hear little more of o sides to every question." Each segment, and sub-segment, has all the right: e other side, devoid of all truth or virtue or merit, does not deserve even the tice of a hearing.

America's Viet Nam experience was the issue which revealed that nothing any ger represented an institutional authority whose standards were universally ac-cted. With all traditional standards of values gone, (Continued on page 86)

VIRGINIA RECORD

MAY 1972

IN THIS ISSUE

THE VIRGINIA ARCHITECT SECTION
AIA News 6

HARDWICKE ASSOCIATES, INC.
Western Area Library, Henrico 10

FRANK C. MONTAGUE &
ASSOCIATES
Woodlawn National Bank Building 13

ARMSTRONG & SALOMONSKY,
LTD.
Metropolitan National Bank, Parham
Branch 14

BAILEY & GARDNER, AIA
Orange Presbyterian Church 17

ARANYI, MURRELL & ASSOCIATES
Frank Residence 21
Slone Residence 62

ANTHONY F. MUSOLINO
Fairfax High School 23

VOSBECK VOSBECK KENDRICK
REDINGER
A M Building 26

LBC&W ASSOCIATES OF VIRGINIA
VCU School of Business 30
Eastern Campus, Northern Virginia
Community College 58

WILEY & WILSON
Craddock-Terry Mfg. Plant, Blackstone 35

RAWLINGS, WILSON & FRAHER
Redeemer Lutheran Church 36

GLAVE NEWMAN ANDERSON
Virginia Orthopaedic Associates
Building 39

BARKLEY PIERCE ASSOCIATES,
AIA
Merrifield View Townhouses 44
Townhouse Community of Pinewood
Greens 68

HINNANT, ADDISON & HINNANT
St. Pauls Elementary School 46

WARD & HALL AND ASSOCIATES,
AIA
Building Seven—Washington Science
Center 49

SHRIVER AND HOLLAND &
ASSOCIATES
Fine Arts Building, Norfolk State
College 52
Life Sciences & Chemistry Building
Norfolk State College 56
Lone Star Cement & Southern
Materials Block & Pipe Office 65

BUDINA, FREEMAN & BECKWITH
Westhampton Office—Bank of Va. 55

Travelers' Guide 42

For the Record 79

Index to Advertisers 88

ON OUR COVER: The Western Area Li-
brary for the County of Henrico was de-
signed by Hardwicke Associates, Inc., and is
presented on page 10 of this issue.
(Photo by James M. McElroy)

PAGE FIVE

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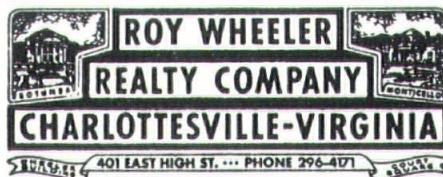
VIRGINIA CHAPTER

79 Elected To College of Fellows

■ The American Institute of Architects has announced that 79 members have been elected to the College of Fellows, a lifetime honor bestowed for outstanding contribution to the profession. Formal investiture will be held in ceremonies on May 8, during the AIA Convention in Houston. William Marshall, Jr. of Norfolk, was selected from Virginia.

All Fellows of AIA may use the initials FAIA following their names to symbolize the esteem in which they are held by the profession. Apart from the Gold Medal, Fellowship is the highest honor the Institute can bestow on its members.

Selection of the 79 new Fellows was made by a jury composed of the following Fellows of the Institute: Willis N. Mills, North Chatham, Mass., chairman; Robert H. Levison, Clearwater, Fla.; George E. Kassabaum, St. Louis, Mo.; William B. Wiener, Shreveport, La.; Dean F. Hilfinger, Bloomington, Ill.; F. Carter Williams, Raleigh, N.C.; and John L. Wright, Seattle, Wash., attending alternate.



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Sixteenth R. S. Reynolds Memorial Award

■ A shady tree form, sheltering visitors with its spreading metal branches and dazzling the senses with thousands of lights at night, has won for its designer the 1972 sixteenth R. Reynolds Memorial Architectural Award.

A jury from The American Institute of Architects has conferred the international award on a Swiss architect for "Radiant Structure," which was the focal point of the Swiss exhibit EXPO '70 in Osaka, Japan. Walter of Zurich, Switzerland, will receive a \$25,000 honorarium and an original sculpture in aluminum for his achievement. This marks the second year in a row a Zurich architect has been a recipient. In 1971, Professor Walter Custer was one of three winning architects in the Reynolds competition which is administered by the AIA.

AIA And Labor Group To Hold Meetings

■ To establish for the first time a close working relationship between the Building and Construction Trades Department, AFL-CIO, and The American Institute of Architects in a number of construction industry matters, a series of meetings between top representatives of the two organizations has been inaugurated.

Representing the Building and Construction Trades Department is the Executive Council, composed of General Presidents of ten of the 17 National and International Unions affiliated with the 3-million member department, and the president and secretary-treasurer of the department.

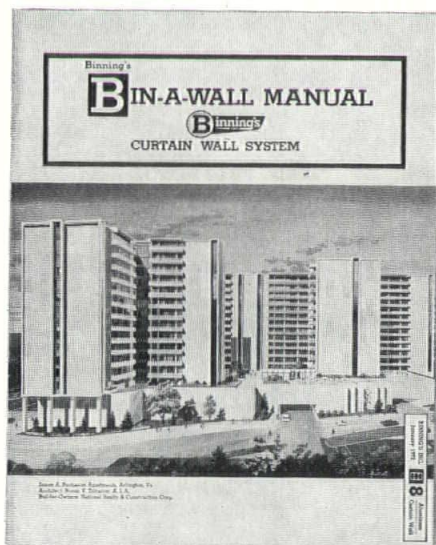
Representing The American Institute of Architects, composed of 24,000 individual architects throughout the United States, is its Labor Liaison Task Force, headed by George White, Architect of the Capitol; Francis Kelly, AIA Administrator of Government Affairs; Hillard T. Smith, of Lake Worth, Florida; James Scheeler, Deputy Executive Vice President; William L. Slayton, Honorary AIA Executive Vice President; and William M. Linscott of Kansas City, Missouri.

"The group is prepared to discuss anything submitted by either side which will be helpful in creating friendly and constructive relations between the Architects and our affiliated General Presidents," explained

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- A section on installation explains SLAB ASSEMBLIES and STACK ASSEMBLIES.
- Also included is applicable DESIGN WINDLOAD information and WINDLOAD charts.

Many sectional drawings of part and assembly details illustrate much of the comprehensive text and specifically show details of the BIN-A-WALL System. With typical shop drawings included, ours is a most complete manual on curtain wall systems.

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(Continued)

Robert A. Georgine, Secretary-Treasurer of the Building and Construction Trades Department.

White and Georgine both said that the AIA long had worked closely with owners, contractors, engineers, practically everyone concerned with construction. Now it is their joint wish to have a closer relationship with the people who actually do the building.

"We are off and running," they said concerning the meetings.

Items for possible discussion at the continuing series of meetings will be:

Industrialization of the building process—the roles of architecture and labor.

A joint scholarship program for apprentices or journeymen who wish to become architects.

Urban housing — craftsmanship required in the midst of production needs.

Unification of the construction industry.

A center for the joint study of building codes and regulations.

The construction seasonality problem.

Manpower shortages and apprenticeship programs.

Jurisdictional disputes.

Safety.

Construction financing problems, including the cost of money.

■ Three architectural projects, nationally honored for their excellence in design, have been selected to receive the 1972 Bartlett Awards in recognition of their accessibility to the physically handicapped. The joint awards of the President's Committee on Employment of the Handicapped and the American Institute of Architects will be presented May 7 during the AIA Convention in Houston. The architects will receive their awards from Leon Chatelain, Jr., FAIA, who is Chairman of the Committee on Barrier Free Design, a subcommittee of the President's Committee.

The Bartlett Award, named in memory of the late U. S. Senator E. L. Bartlett of Alaska, who successfully legislated for accessibility of Federally funded buildings, is given each year to those AIA Honor Awards winners which in the judgement of a separate jury offer to handicapped persons ease of movement in approaches, entrances, and interior space.

The three projects are: Weyerhaeuser Headquarters in Tacoma, Wash., designed by the firm of Skidmore, Owings & Merrill, San Francisco; McCormick Place On-the-Lake, the fire-damaged lakefront convention center that was reconstructed according to the design of C. F. Murphy Associates of Chicago; and Houston's Alley Theatre, designed to accommodate its dis-

tinguished repertory company by the firm of Ulrich Franzen & Associates of New York, with Mackie & Karp of Houston as associate architects.

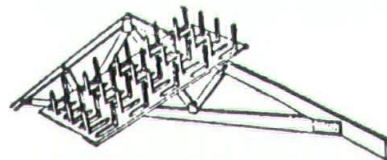
The jury, composed of members of the Potomac Valley Chapter, AIA, consisted of William Baltzer Fox, AIA, James F. Hilleary, AIA, and Edward H. Noakes, AIA. Their report stated: "The jury was pleased to find, in the three winning projects, a conscientious effort to eliminate architectural barriers."

"The use of elevators and ramps and omission of stairs, where possible, allowed these buildings to be accessible to the handicapped."

"The provision of proper restrooms, facilities, public phones and drinking fountains also make these buildings usable by the handicapped. The efforts are a tremendous contribution to the betterment of man's environment."

This marks the fourth year of the Bartlett Award program, which was created to bring attention to the environmental problem of architectural barriers faced by many handicapped, and other persons with ambulatory difficulties. The Award, coupled as it is with the AIA Honor Awards, is intended to emphasize to the architectural community that barriers can be eliminated without detracting from excellent design.

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Whitney Young Citation Honors Black Washington Architect

Robert J. Nash, a Washington, D.C., architect, has been awarded the Whitney M. Young Jr. Citation from The American Institute of Architects.

The citation, established in 1971, is being presented to Nash for his significant contribution in initiating and directing the Institute's programs in the area of social concern. He will be presented the citation in May during the 1972 AIA convention.

Nash is currently serving his second term as national vice president of the AIA, the first black architect to be elected to national office by the organization.

The citation he will receive is named in honor of the late Whitney Young, former director of the National Urban League, who at the 1968 AIA convention challenged the profession to concern itself significantly with social justice and minority group problems.

Nash was named to the AIA Task Force on Equal Opportunity which was established following Young's address to the convention. Later he became the chairman of the Institute's Task Force on Professional Responsibility to Society and first co-chairman, with Nathaniel Owings, FAIA, of the Human Resources Council.

The HRC was set up by the AIA Board of Directors to implement the task force programs. Its three main target areas are support of Community Development Centers, education of greater numbers of black architects, and elimination of constraints to building housing for the poor.

Nash graduated in 1952 from Howard University, where he was awarded the Henry Adams Class AIA Gold Medal for excellence in design.

After graduation he went to Nigeria to begin his architectural career. There he developed prototype schools, of which 400 were constructed, and designs for low-cost houses, both of which used indigenous materials and experimental construction techniques.

After two years in Nigeria and another two years with the Army Corps of Engineers, he returned to Washington, D. C. where, in 1959 he opened his own office. He became involved in inner-city problems and determined to make the voice of local residents heard by the system that governed them. Following riots in the capital in 1968, his belief was reaffirmed that a professional layman partnership with the community had to exist.

The citation winner is the AIA coordinator for the Urban League's Black Executive Exchange Program, in which black professionals visit and lecture at predominately black architectural schools.

Nash is also an active member of the boards of Capital Head Start and of the National Capital Area Girl Scout Council.

(AIA News Continues on Page 71)

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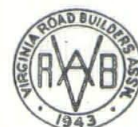
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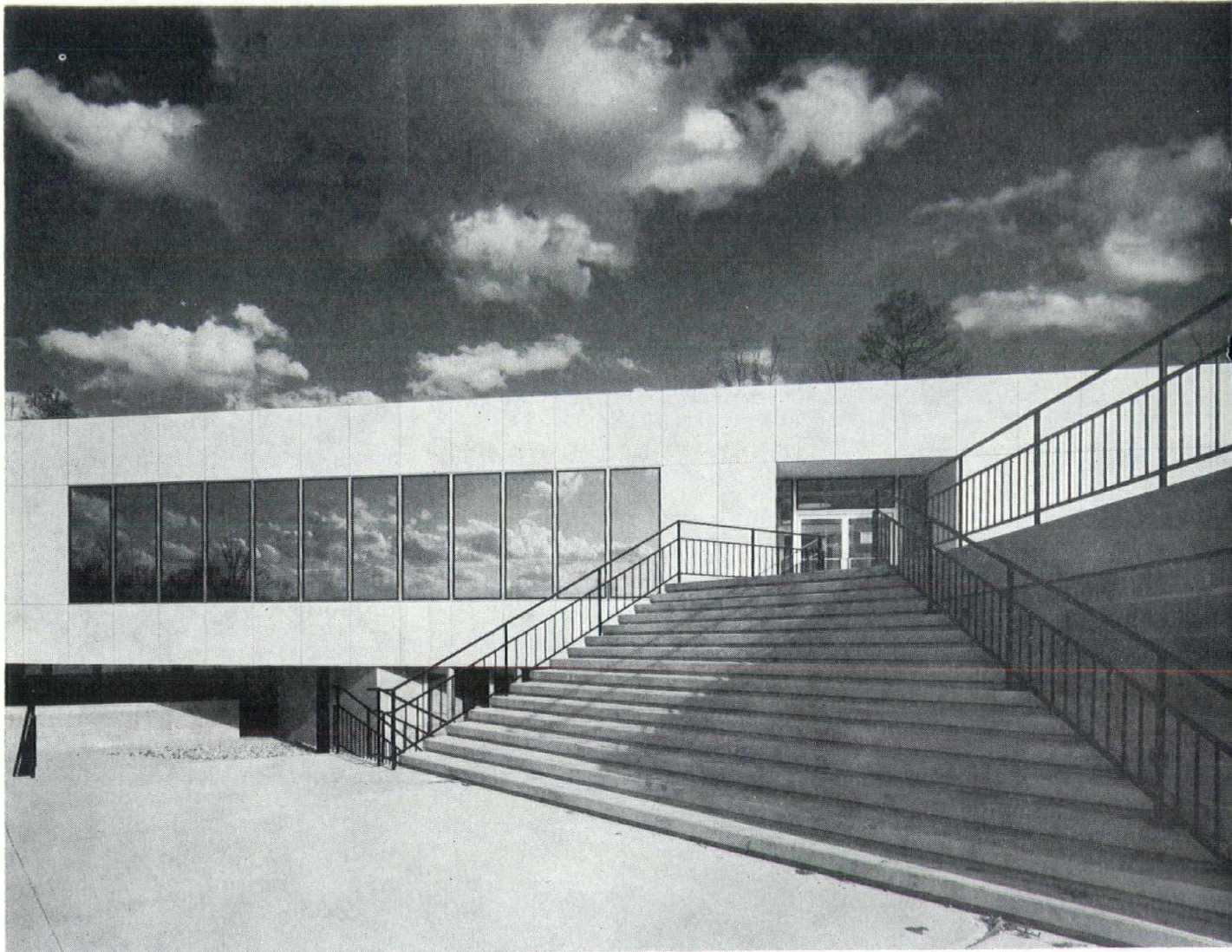
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HARDWICKE ASSOCIATES, INC. — ARCHITECTS — RICHMOND



Western Area Library—Henrico County System

THE latest addition to the young but vigorous Henrico County Library System, is the Western Area Library, located at the intersection of Parham and Fargo Roads in Western Henrico County.

Opening to the public in July 1971, the building is a bold statement, characterized by clean, crisp lines, planes of white porcelain-enameled metal panels and highly reflective glass. As the ground level falls to a creek bed at the northern end of the site, the building appears to float into the wooded area, affording the occupants of the adult reading room, a feeling

of being suspended into the tree tops.

The program requirements indicated that the two major spaces be contingent on one level. The placement of this large "one level space" on a steeply sloped site, strongly suggested the initial design approach. A subsequent design decision pulled the mechanical spaces out of the main envelope and placed them in their own mechanical tower where vertical dimensions could be determined by equipment requirements rather than by architectural requirements.

In addition to the two reading rooms, the main, or upper floor, con-

tains librarians' offices and work room, lobby, waiting area, and public toilet. The lower level, left unfinished will provide story room, meeting room, study lounge and toilets, storage and public lobby and toilets when completed. Allowances in the structure and architectural planning will permit logical future expansion of stacks and reading rooms to fill out the space under the main level.

The exterior of the upper level and the mechanical tower is clad in insulated porcelain enameled steel panels which provide the exterior finish, insulation and interior wall finish. Cor-

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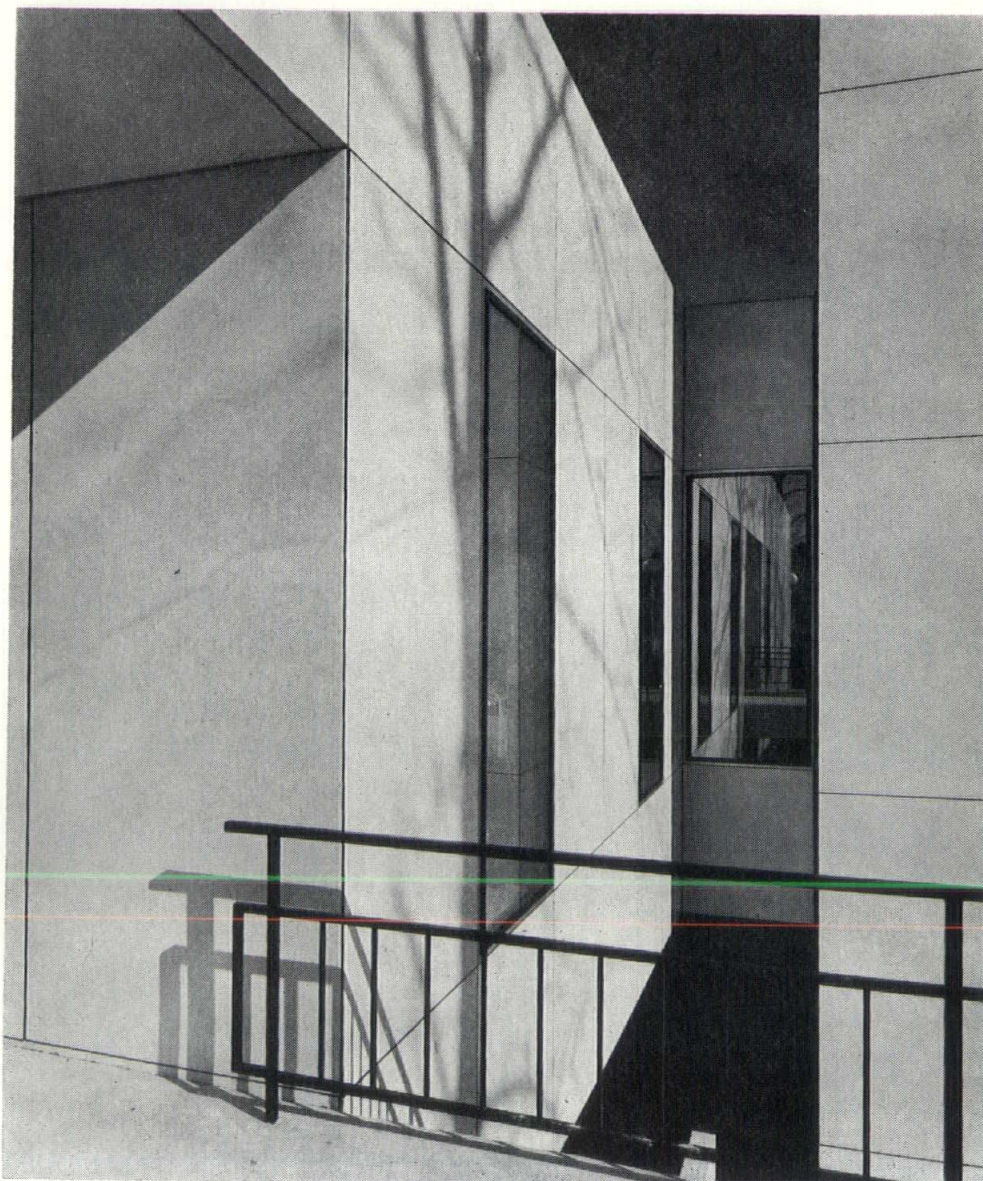


etting the exterior envelope, aluminum windows, black vinyl gaskets and mirror-like" heat and light reflecting glass on the southern and western exposures, offer striking accents to the white metal panels.

The mechanical system is all electric, utilizing electric resistance duct heaters and electric air conditioning equipment.

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Don MacAfee Photo

WOODLAWN NATIONAL BANK BUILDING

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JAMES STRICKLER & ASSOCIATES—CONSULTING ENGINEERS
MECHANICAL, ELECTRICAL & PLUMBING

MRS. CRAVEN HUGHES—INTERIOR DECORATOR

W. R. MANCHESTER, INC.—GENERAL CONTRACTOR

THE Woodlawn National Bank recently opened its newest office, Beacon Hill, in the Woodlawn National Bank Building at 6911 Richmond Highway in Alexandria. The facility was designed by Frank C. Montague and associates.

The four-story building, of aluminum and glass curtain wall construction, serves as a location for Woodlawn's full-service banking facilities and also for the executive offices and credit and bookkeeping departments of the concern. The balance of the space is rental space which is being handled by Gateway Realty Corporation with offices on the premises.

Located only eight miles from Washington's National Airport, the new building is in a logical center of activity. Adequate free parking is available on the site with some covered parking

being provided under the building, a large part of which is raised above the ground level. A drive-in window for the bank is also included.

Completely air conditioned, the building is provided with natural gas fuel. Floors are vinyl tile on concrete. Almost square in shape, the facility measures 80 by 100 feet, comprising 30,800 square feet of space. Interior partitions are drywall. The windows are aluminum projected and the roof built-up.

The building was constructed by W. R. Manchester, Inc., Alexandria general contractor, who handled excavating, foundations, masonry and carpentry.

Subcontractors and material suppliers were:

From Alexandria, Virginia Roofing Corp., roofing; Higham Co., Inc., painting; McClary Tile, Inc., ceramic tile; Marty's Floor Covering Co., Inc., re-

silient tile; Fairfax Millwork Co., Inc., millwork; and, C. B. Harris & Co., Inc., plumbing.

Others were: Northern Virginia Concrete, Springfield, concrete; Southern Iron Works, Springfield, steel, steel roof deck & handrails; Associated Glass Co., Inc., Fairfax, windows, window walls & glazing; Dodd Brothers, Inc., Merrifield, plastic wall finish & plaster; Bethesda Asphalt Co., Bethesda, Md., waterproofing; and, Fries, Beall & Sharp, Springfield, weatherstripping, steel doors & bucks & hardware.

Also, Davenport Insulation, Inc., Falls Church, insulation; Acoustical Ceiling, Inc., Fairfax, acoustical; B & H Electric Co., Merrifield, electrical work; Calvert-Jones Co., Inc., Arlington, air conditioning, heating & ventilating; and, Horner Elevator Co., Inc., College Park, Md., elevator.



Metropolitan National Bank-Parham Road Branch-Richmond

METROPOLITAN National Banks' fifth branch incorporates the basic prototype design of its previous facilities. The success of the contemporary-traditional influence on the exterior and excellent utilization of interior space and circulation is evident by its acceptance.

Many elements add to the effect of achieving a blend of contemporary and traditional feeling. The exposed interior beams with terra-cotta exposed brick walls give the interior the warm personal feeling throughout. The central vault location offers accessibility

as well as a strong feeling of security. The deep pile carpet with velvet red wall paper behind the teller counter gives the additional feeling of contemporary elegance.

The sculptured exterior appearance projects the sense of security. The rustic cedar shake roof and terra-cotta brick lends itself well to commercial-residential surroundings.

The construction time of four months allows the bank the minimum time to begin operation in a new location. W. S. Carnes, Inc. of Richmond

was the general contractor, with the following subcontractors and suppliers (Richmond firms) J. L. Osborn, grading; Richmond Paving Service, Inc., asphalt paving; Richmond Construction Corp., masonry; W. K. Hawkins Engineering Co., insulation; J. M. De Shazo Roofing Co., built-up roof; Cedar Roofs, Inc., roof; Percy Glidewell, papering; Hanover Fabricators, trusses; and, Allied Glazing Corp., glazing.

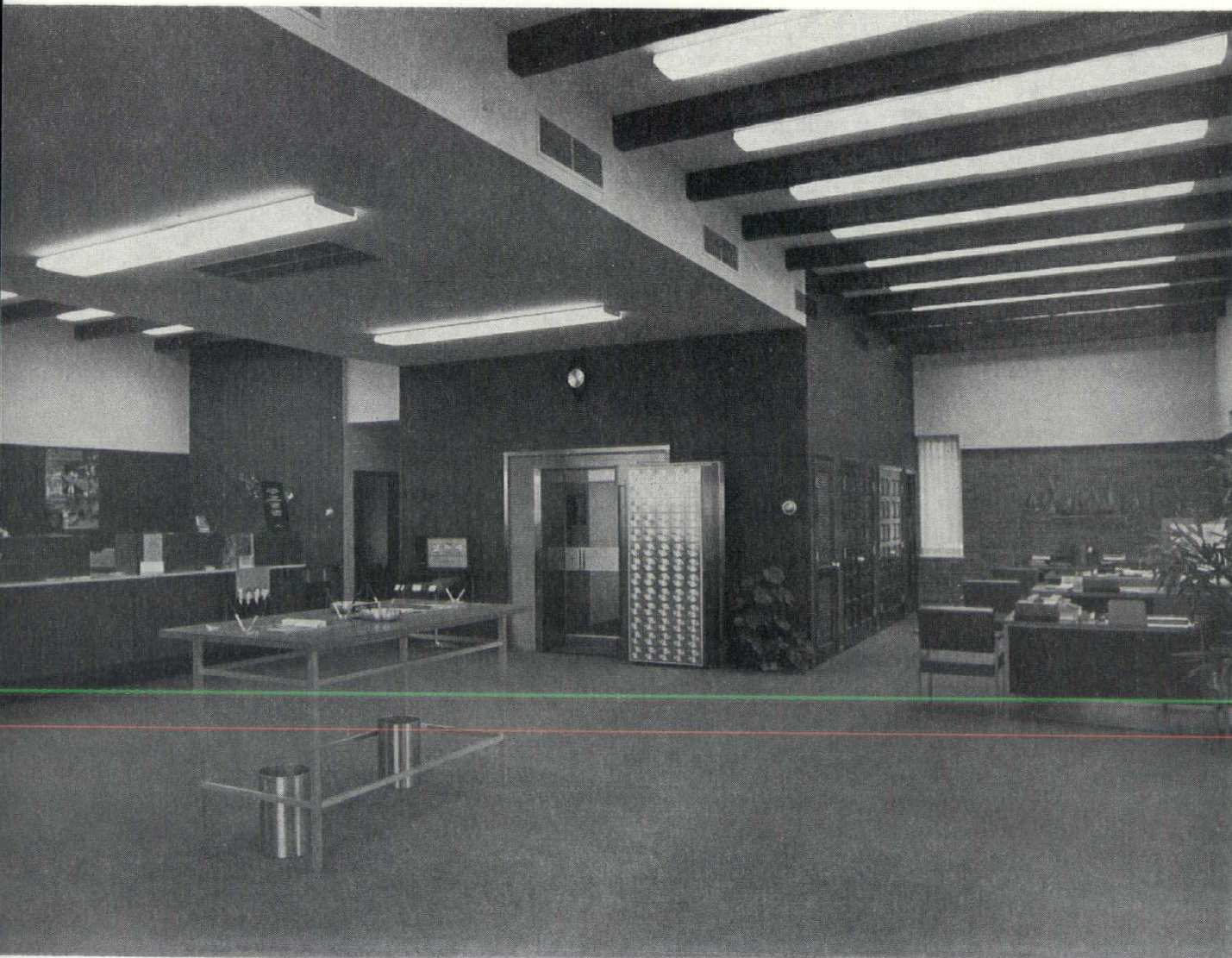
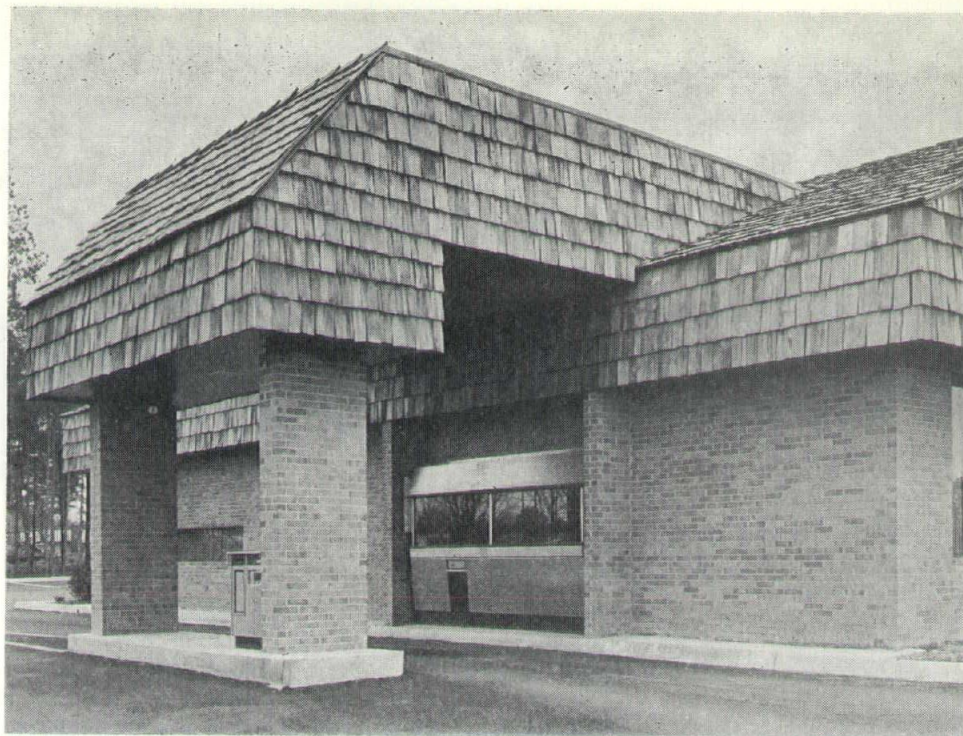
Also, James M. Chavis Dry Wall Contractor, drywall; Consolidated Tile Co., resilient tile; Adams Heating

CREDITS:

W. S. CARNES, INC.
GENERAL CONTRACTOR

Photos by
James M. McElroy

er Conditioning Corp., heating, ven-
ating & air conditioning; Huddle
ace-Crete, Inc., vault concrete;
elding Service Co., steel; F. G.
uitt, Inc., finish grading; Fred W.
rnes Construction Co., sewer; and,
ebold, Inc., vault teller units & fix-
res.



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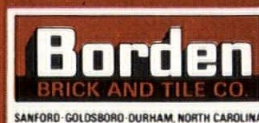
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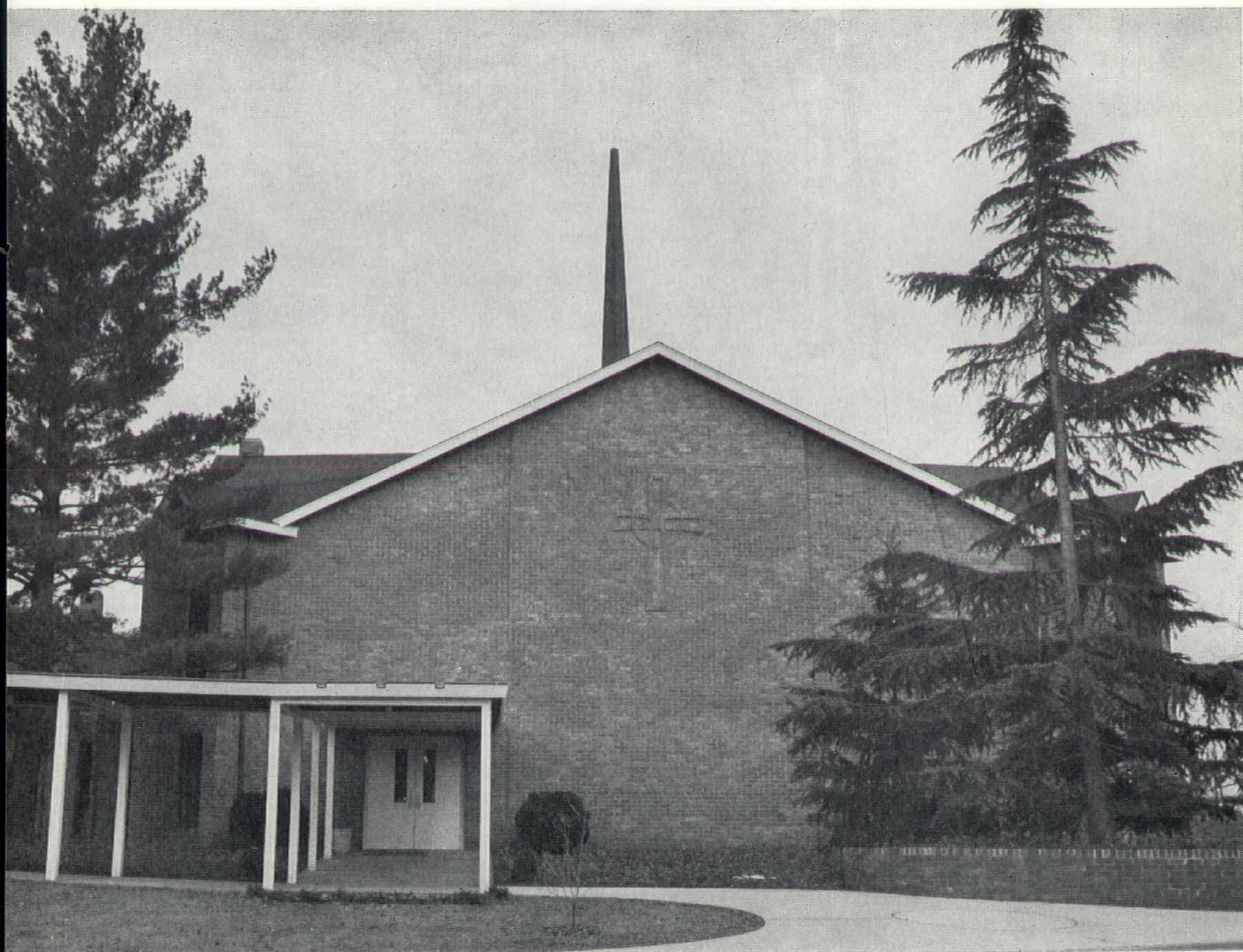
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ORANGE PRESBYTERIAN CHURCH

THESE days, when a congregation launches a major building program, it usually selects an open site on the outer fringe of town. The congregation of this church, however, opted to remain at its present location in the center of town even though the site is only slightly over one acre. This fact, along with three other factors, strongly influenced the planning of the new sanctuary completed in October 1971 for the Orange Presbyterian church.

Nearly one-third of the site was needed to meet local parking requirements. A 12 ft. rise in grade from one end of the site to the other, the need

for a covered passage between the old and new buildings, and the effort to save a few fine trees, all these were a challenge to the architects.

Seating about 400 persons, the pews are arranged to create a feeling of intimacy and participation in the service. The Narthex is planned for additional seating when needed so mothers with small babies can view the service through a plate glass window. Above the Narthex is a balcony containing organ, console, and seats for a choir of 40 persons.

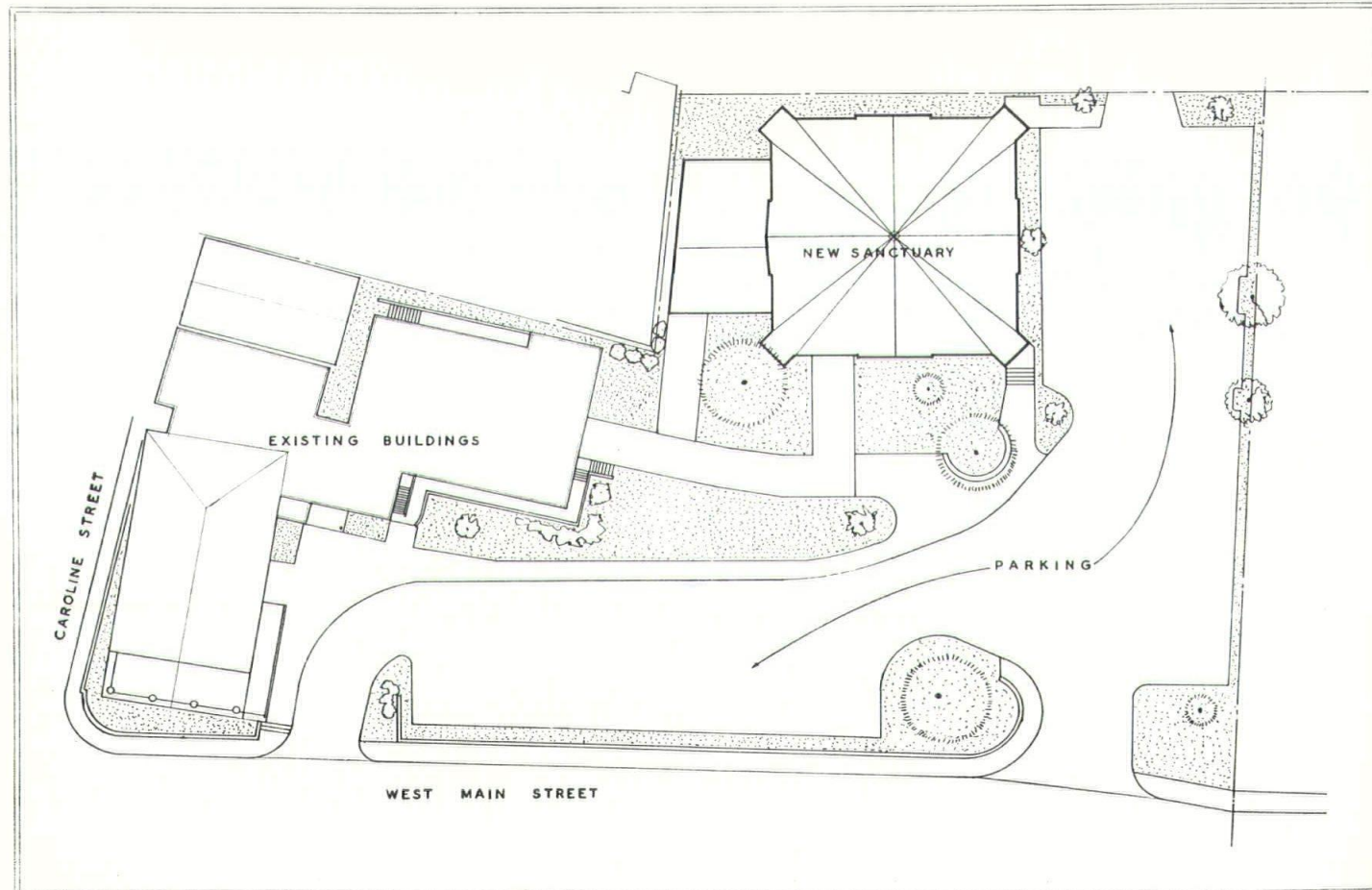
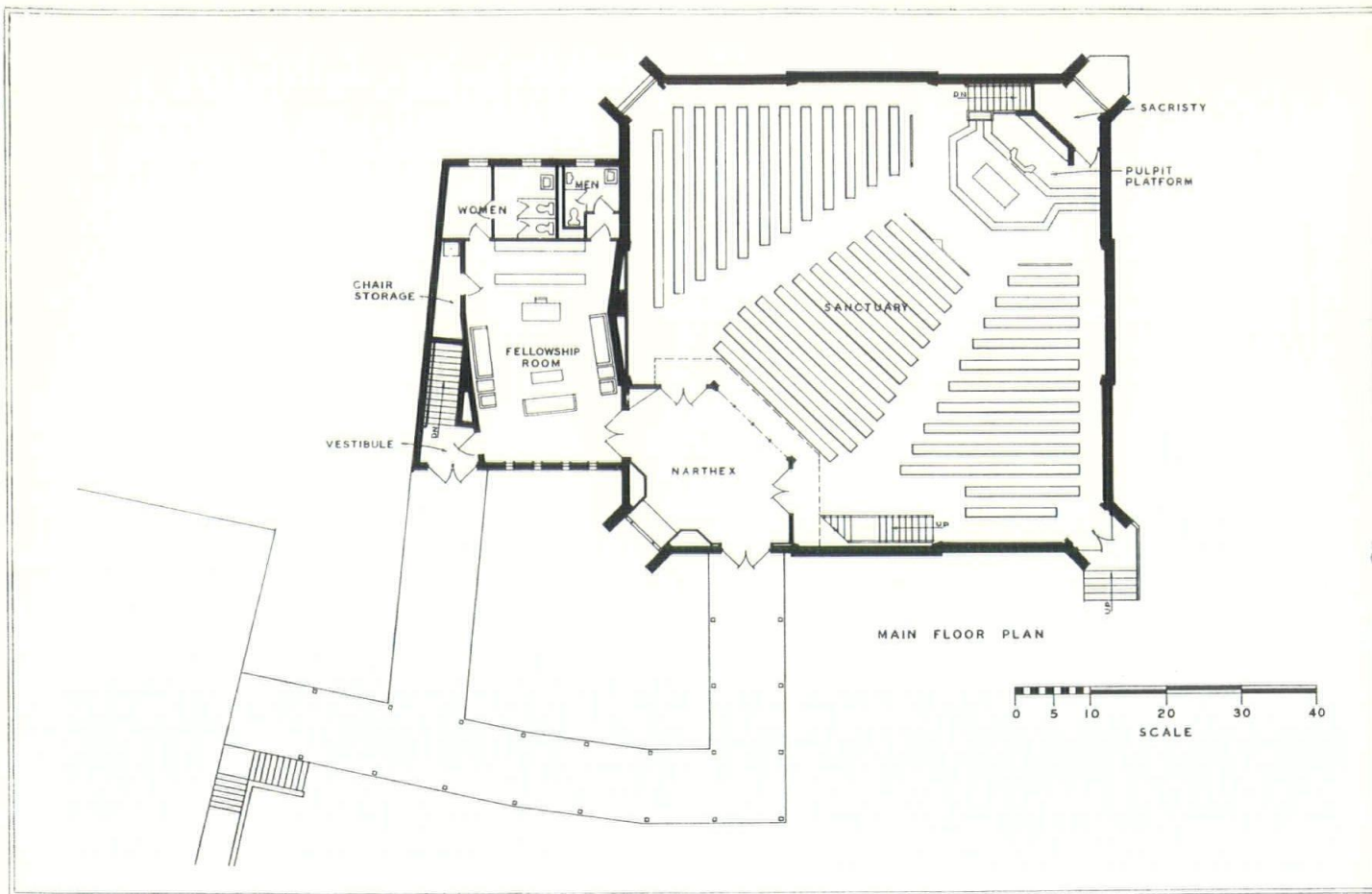
Adjoining the Narthex is a multipurpose "Fellowship Room" for small meetings, coat hanging, and for in-

formal conversation following services.

A full basement with separate outside entrance, and connecting passage to the existing kitchen and Sunday School facilities, is roughed in for future development as the needs arise.

Structurally the church clearly expresses on the interior the four pairs of laminated wood arches, supporting exposed wood roof deck, finished in natural dark stain. The brick used on both faces of the exterior walls provides a rich color and texture to the room. Floors are wall-to-wall carpet on concrete slab.

Floor areas, including both floors and the connecting underground pas-



CREDITS:

GRIGG, WOOD, BROWNE &
WILLIAMS
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INTERIOR DESIGN
BY THE ARCHITECTS

RITTENHOUSE BROTHERS
GENERAL CONTRACTORS

ge to the old building, total about
2,000 sq. ft., built in 1970-71 for ap-
proximately \$265,000.

Subcontractors & Suppliers

Rittenhouse Brothers, Scottsville,
general contractor, masonry & carpentry;
J. P. Walters & Sons, Orange, excavating;
C. R. Butler, Inc., Orange, concrete;
Cruickshanks Iron Works Co., Richmond, steel;
Southern Wood-Edmont Co., Inc., Waycross, Ga.,
of deck & structural wood; The
eco Corp., Richmond, windows, steel
doors & bucks; Kalwall Corp., Manchester,
N. H., window walls; H. C. Clew,
Scottsville, painting; Better
Living, Inc., Charlottesville, millwork;
J. A. Manning Co., Inc., Sheboygan,
Wis., lighting fixtures; W. A. Sherman
Co., Orange, electrical work,
pumping, air conditioning, heating &
ventilating; Martin Hardware Co.,
Charlottesville, hardware; and, Wine-
barger Corp., Lynchburg, church furniture.

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ARCHITECTS
VIRGINIA BEACH**

**Alterations & Additions
To The
Lee B. Frank Residence**

THE original Frank House stood on a beautiful piece of property surrounded by water but in an awkward location. The visitor was greeted by two unsightly garage doors and the front door was hardly visible. The house had only two bedrooms.

It was decided to enlarge the house to accommodate the owners' parents and, at the same time, attempt to rectify the poor design.

Even though the property is fairly large the topography did not lend itself too well to horizontal expansion. Consequently the decision was made to add a second floor to which the younger couple would move.

A new foyer was added thereby switching the orientation of the front ninety degrees. The new screened porch was designed to enlarge the living area and provide a restful place to view the water and the swimming pool.

Above this porch there is a new balcony located off the master bedroom. The new stairway leading to the second floor was suspended from the roof structure on steel rods providing a very strong design element.

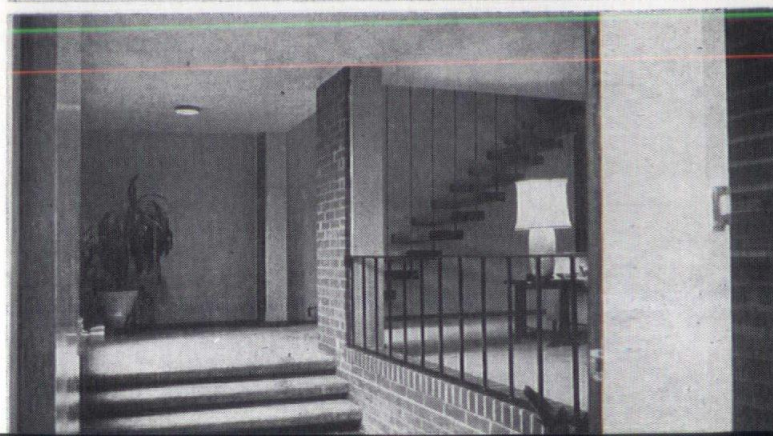
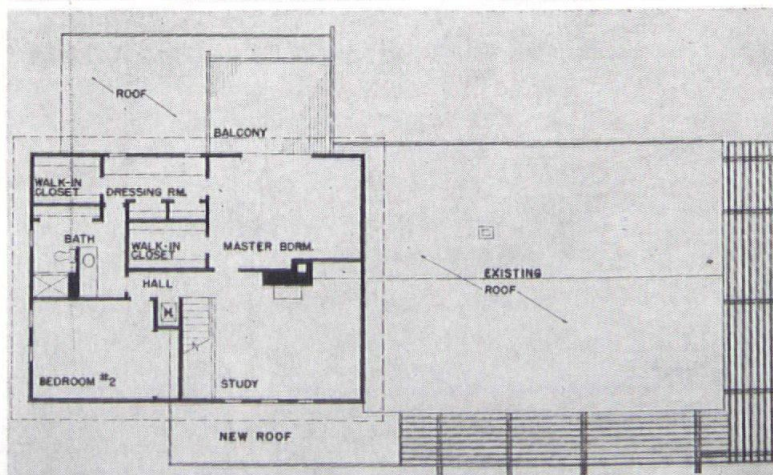
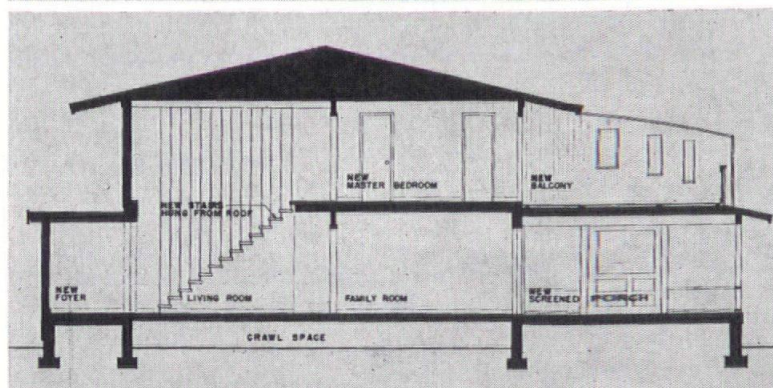
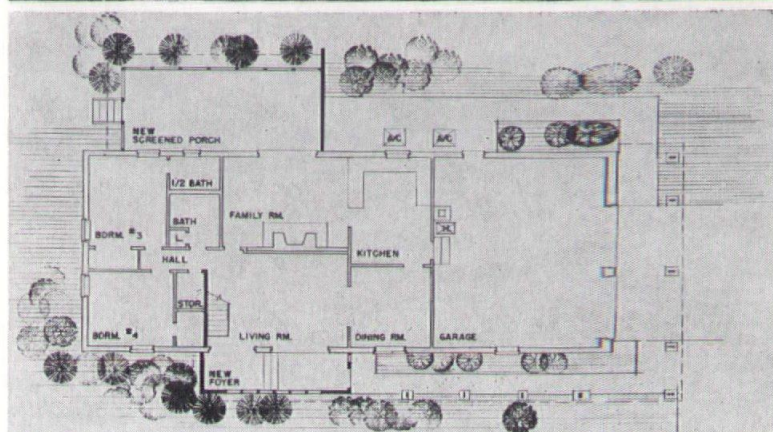
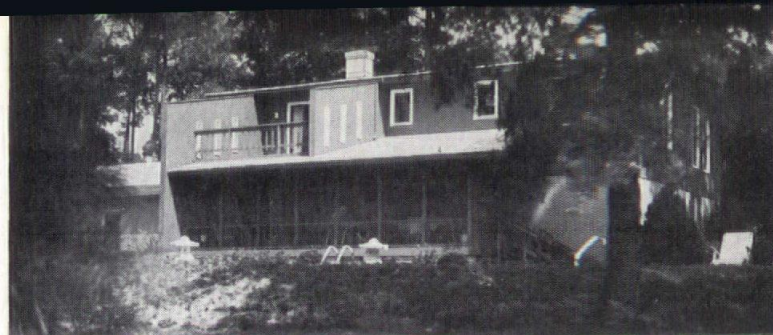
The existing post light in front of the house was covered up with a wood screen to harmonize with the rest. A partially covered overhead screen ties the existing and the new part of the house into a harmonious unity.

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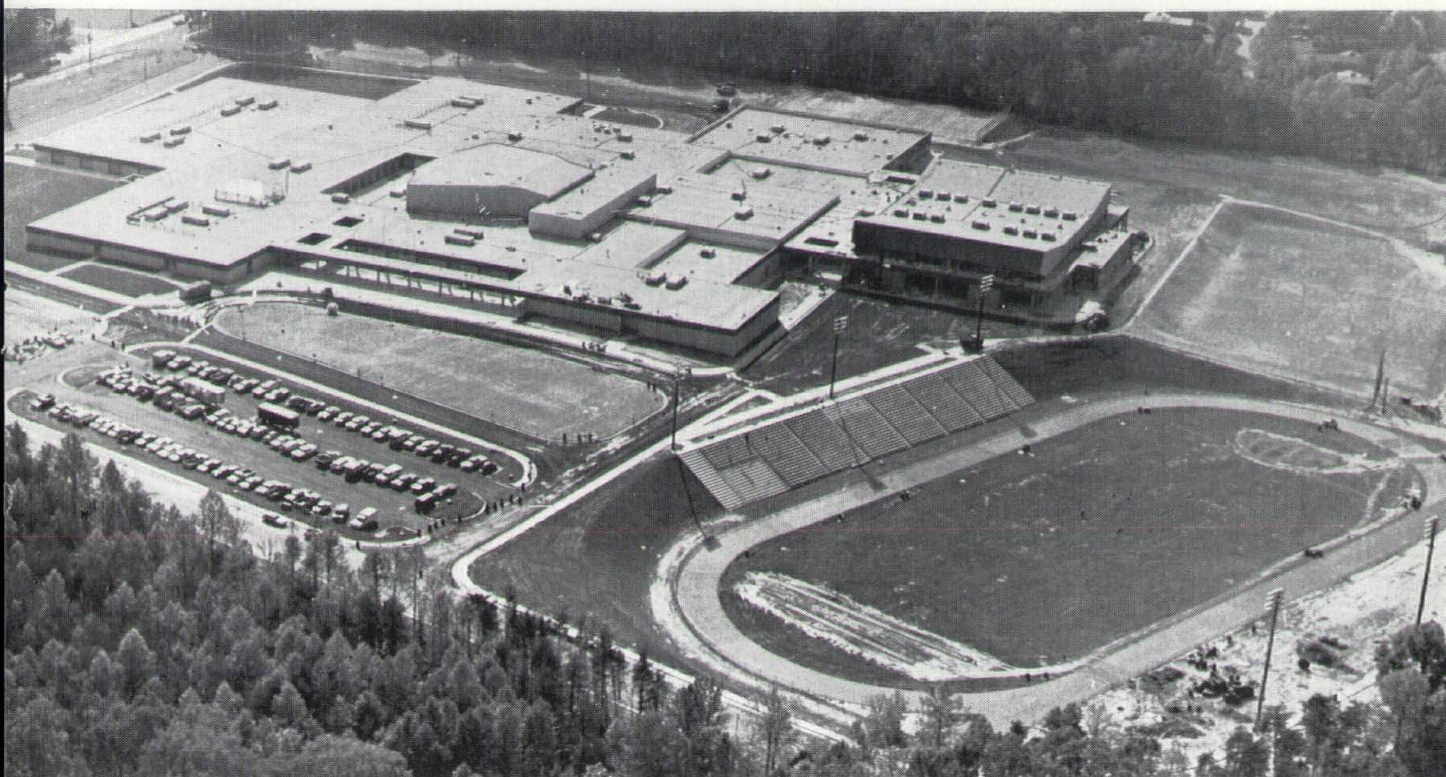
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THE CITY OF FAIRFAX'S NEW \$8 MILLION HIGH SCHOOL COMPLEX

OPENED IN JANUARY, IT COVERS 48 ACRES

THE SINGLE STORY BUILDING EXTENDS OVER 8 ACRES UNDER ONE ROOF

THE 5000 SEAT CAPACITY FIELDHOUSE IS SEEN RIGHT IN THE PHOTO ABOVE

FROM its startlingly modern entrance-way, its wall-to-wall carpeted hallways, and multi-colored lockers and lockers, to a cavernous 5,000-seat fieldhouse, Fairfax's new high school is one of the country's unique facilities, and is certainly among the most dramatic structures of its kind.

Open for the first time January 1972, the new single-story school covers eight acres under one roof—a departure from conventional two-story buildings. The entire complex, including ballfields, occupies 48 acres.

Facilities in the school include three basketball courts, a sauna bath, weights room, wrestling room, dance room, eight health classrooms and a fieldhouse capable of accommodating three basketball games simultaneously. A rooftop greenhouse, the first in Fairfax County, is part of an expanded science curriculum which also includes a nuclear science lab, a science resource center, a science library, and an animal room equipped with an environmental

chamber for special specimens. The building is completely wired for closed-circuit TV instruction.

Outdoor facilities include four tennis courts and a lighted baseball field. The football stadium is equipped with permanent bleachers seating about 4,000 spectators on one side of the field. Bleachers from the old high school will be erected on the other side of the field to provide an additional 4,000 seats.

The uniqueness of the school is also evident in some of the facilities provided in the building.

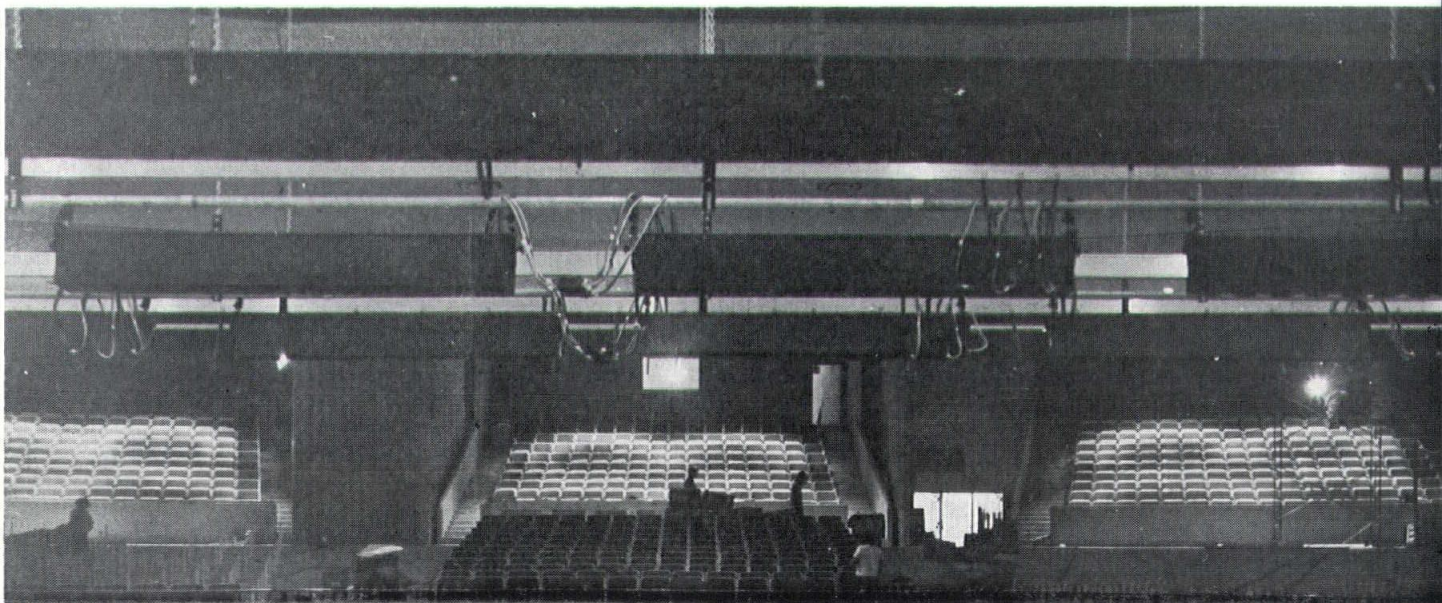
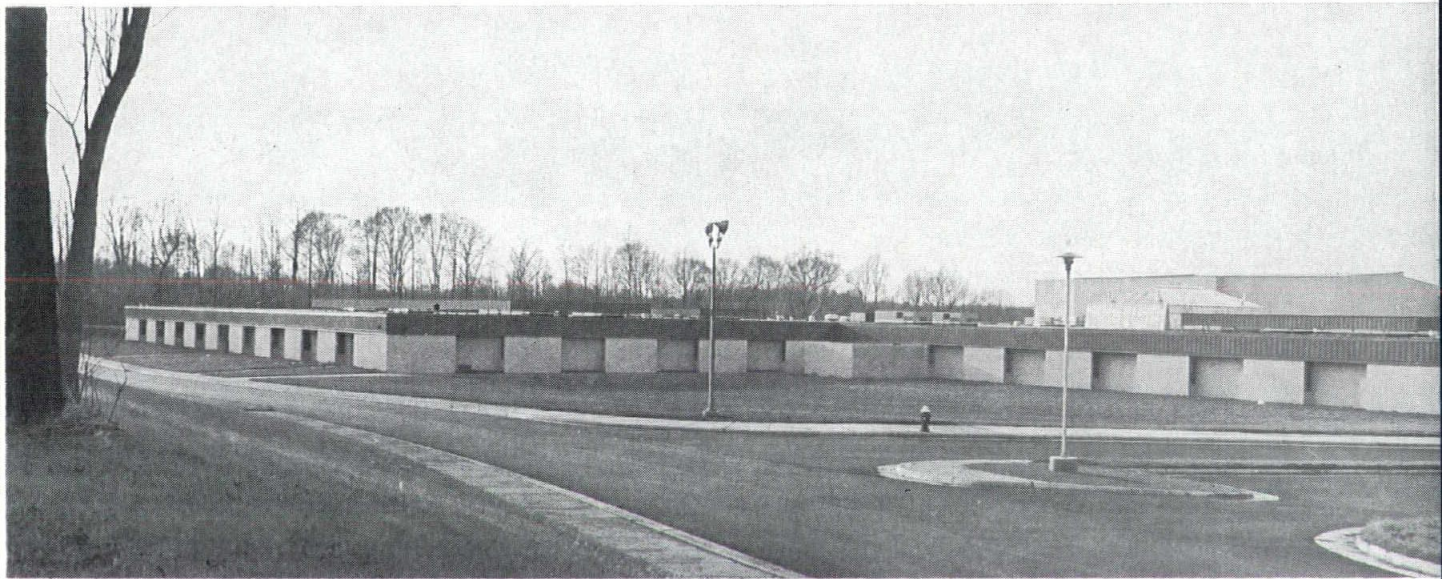
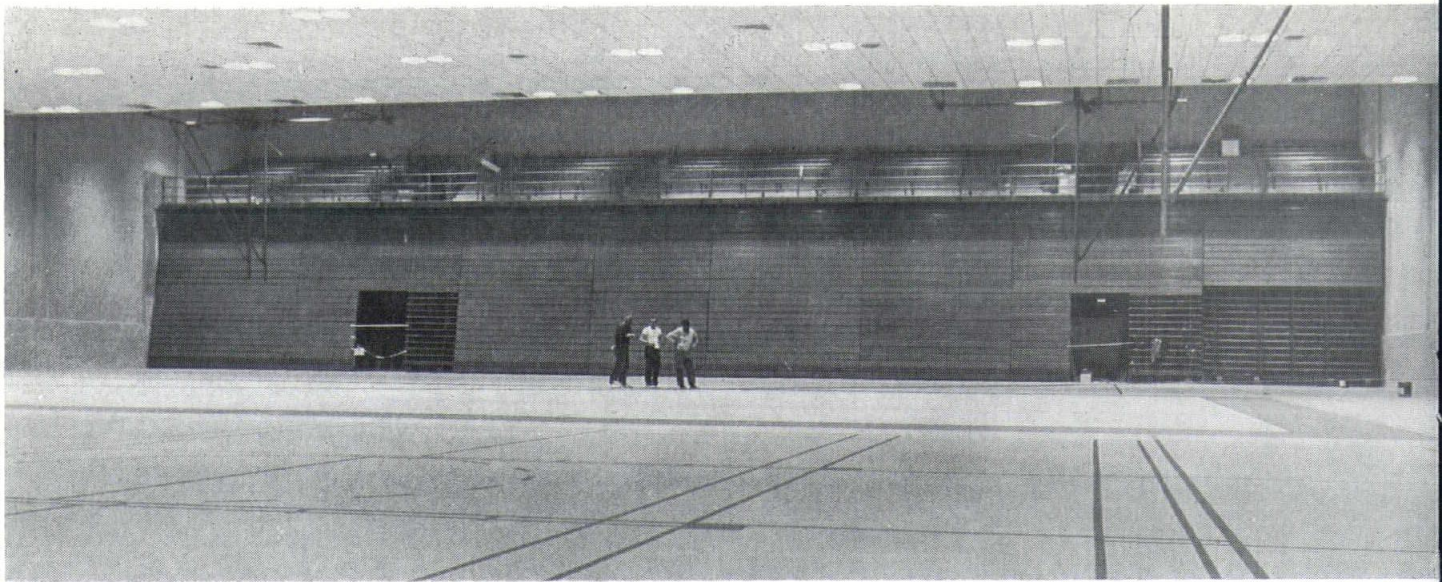
- A 1,200-seat capacity auditorium includes a drama classroom, a 75-foot stage, an orchestra pit for 110 musicians, and dressing rooms.
- A 13,760 square foot cafeteria capable of seating 800 also includes a snack bar.
- The vocational training section houses shops for automotive work, electronics, graphic arts, metal, wood and home repair instruction.

- A 50,000-volume library includes four conference rooms, a classroom, magazine room, office space and individual study carrels.

The new facilities will open new opportunities for curriculum development. Beginning next fall, new courses in printing, graphic arts, commercial food preparation and commercial serving will be incorporated into the school's curriculum.

According to Dr. George Tankard, Superintendent of City Schools, one of the unique features of the building is the ability to change the physical arrangement of classrooms. Classes in the academic wing, for example, may be enlarged or made smaller simply by rearranging demountable partitions to fit changes in the instruction program.

From a safety standpoint, it will be far easier for students to exit from the building than from the present high school. Since there are no stairs, the possibility of youngsters crowding stairways and panicking is eliminated. Fair-



CREDITS:

CONSULTING ENGINEERS
JOHN F. LAWRENCE & ASSOCIATES
MECHANICAL & ELECTRICAL

LUIGI F. IACONO
STRUCTURAL

HILL & KIMMEL, INC.
GENERAL CONTRACTORS

ax's principal, Bob Tabor, emphasizes that "the building could not have been built without first meeting rigid state and county safety codes and specifications. In the new school, there isn't any one room that is more than the equivalent of three classrooms from an exit," he says. "I would say that we could exit from this building even more quickly than from the one we have now."

Use of the schools' facilities will also be made available to community groups. A variety of community-oriented cultural events such as amateur theater groups, the Municipal Band, the Fairfax Choral Society and exhibit programs are among the many after-hour uses destined for the new building.

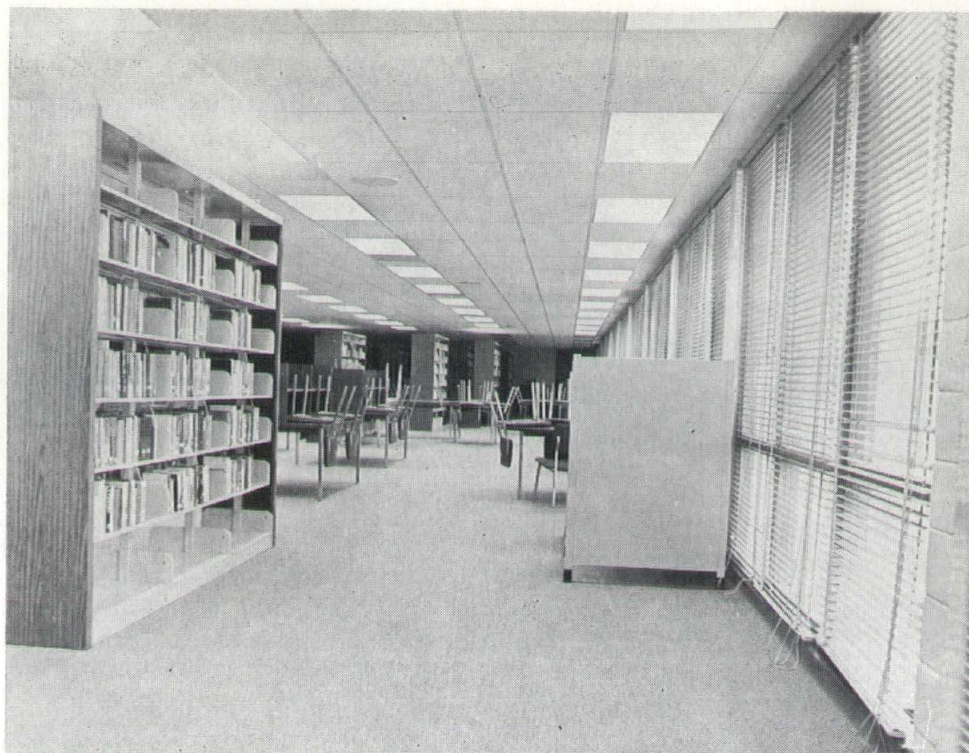
The new high school, one of four schools presently owned by the City of Fairfax, represents a sizeable investment. Financed largely by 1970 and 1971 bond issues and direct appropriations from current city revenues, actual construction costs total \$6.5 million. The 48-acre tract of land was purchased for \$550,000. Although much of the existing equipment in the old high school is being transferred to the new building, additional equipment costs are estimated at \$450,000. Architects' fees, administrative and professional costs, miscellaneous expenditures and value of existing equipment will bring the total investment to \$8 million.

Subcontractors & Suppliers

Hill & Kimmel, Inc., Silver Spring, Md., general contractor, foundations, concrete, carpentry, weatherstripping, acoustical & resilient tile; Raymond C. Lawkins Construction Co., Inc., Nokesville, excavating; L. F. Jennings, Inc., Falls Church, masonry; Southern Iron Works, Inc., Springfield, steel; Inland-Tyerson Construction Products Co., Baltimore, Md., steel roof deck; Strescon Industries, Inc., Baltimore, Md., prestressed concrete; Commercial Roofing & Sheet Metal Co., Inc., Cheverly, Md., roofing; Hope's Windows, Inc., Arlington, windows; and, Hawkins Glass Co., Inc., Marlow Heights, Md., glazing.

Also, Apex Decorating, Inc., Kensington, Md., painting; Virginia Waterproofing Co., Inc., Herndon, waterproofing; Davenport Insulation, Inc.,

tell the Virginia Story

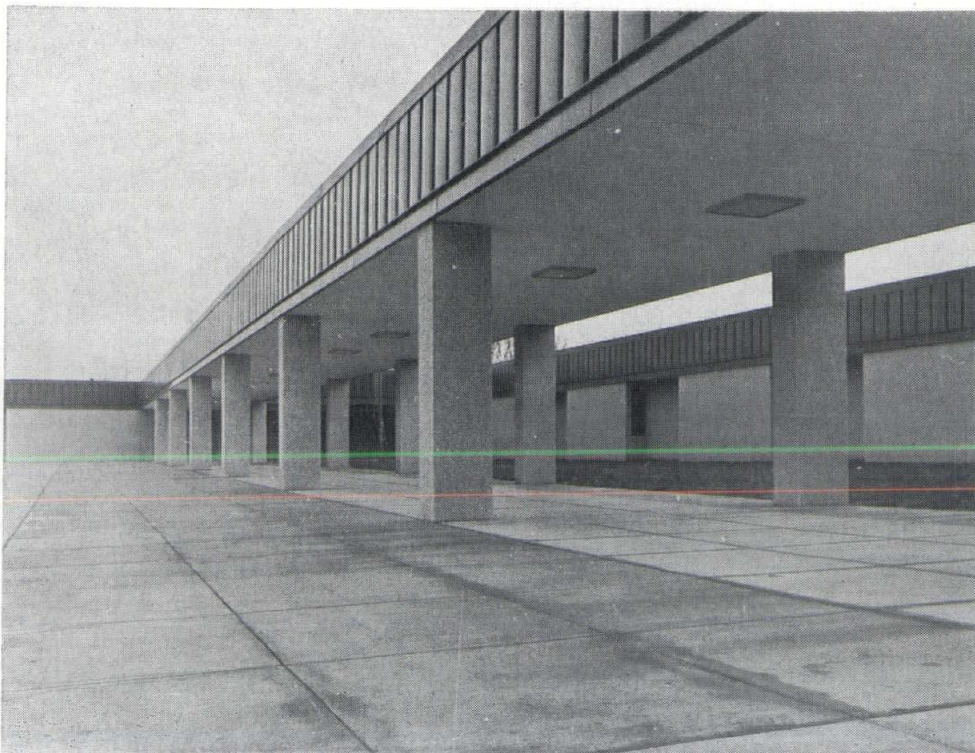


Falls Church, insulation; Dodd Brothers, Inc., Merrifield, plaster; McClary Tile, Inc., Alexandria, ceramic tile & terrazzo; John H. Hampshire, Inc., Baltimore, Md., wood flooring; Griffith Construction, Fairfax, steel grating; Ruffin & Payne, Inc., Richmond, millwork; and, W. M. Schoenfelder Assoc., Fairfax, steel doors & bucks.

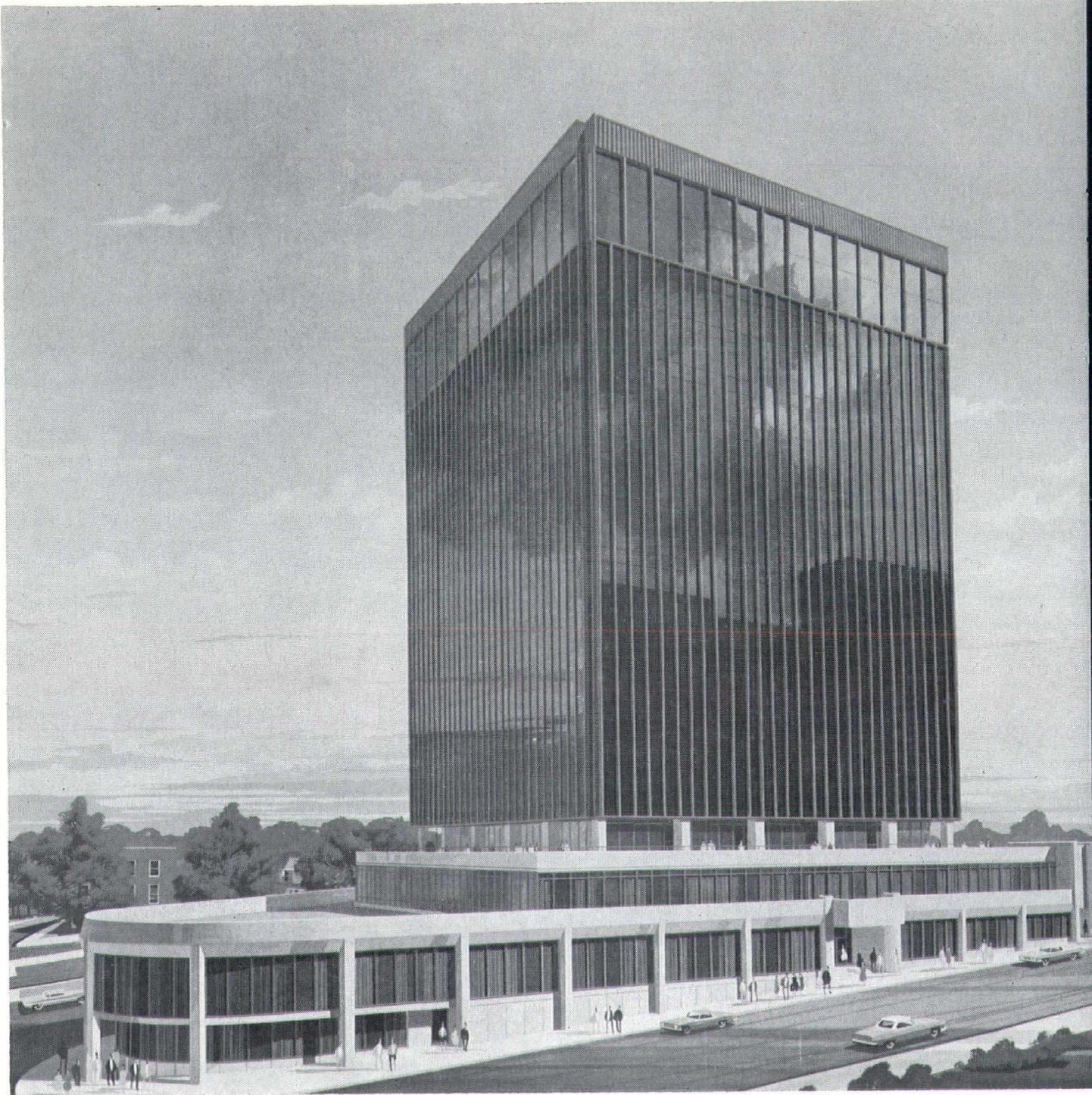
Others were: American Iron Works, Inc., Bladensburg, Md., handrails;

Walter C. Davis & Son, Inc., lighting fixtures & electrical work; Baco Co., Inc., Alexandria, plumbing fixtures, plumbing, air conditioning & heating; Anderson & Cramer, Inc., Arlington, ventilating; and, J. B. Kendall Co., Washington, D. C., hardware.

Theater seating by Kenneth C. Hart Co.; heating units & air conditioners by Nesbitt Co.; and folding bleachers by Delta Graphic, Inc.



VOSBECK VOSBECK KENDRICK REDINGER
ARCHITECTS-ENGINEERS-PLANNERS — ALEXANDRIA



AM BUILDING-ROSSLYN

THE AM Building in Rosslyn offers a fine panorama of downtown Washington, D. C. from Northern Virginia across the Potomac River.

The 16-story building was designed by Vosbeck Vosbeck Kendrick Redinger, the architectural, engineering and planning firm with Virginia offices in Alexandria and Roanoke and a Mary-

land office in Hyattsville. The building, which bears the name of its prime tenant, Addressograph Multigraph Corporation, is sited on a hill and is three stories taller than any other building in Rosslyn.

AM Corporation manufactures duplicating and addressing machines. The Rosslyn AM building houses the

offices for the 200-person sales and service branch.

The structure is poured-in-place concrete columns and slab, with a 22 foot span. The exterior finish at the lower levels is exposed, sandblasted concrete. The tower's exterior is aluminum with black tinted glass curtain. The vertical

(Continued on page 28)



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A M Building

(from page 26)

module spacing of the exterior tower is four foot on center which changes to eight foot on center on the top two levels, further enhancing the unobstructed perspective of Washington.

The total electric building was designed with flexibility to accommodate a wide variety of both office and commercial tenants. On the lower level is a complete health spa including whirlpool and exercise gym. On the street level is a bank and an enclosed mall with shopping boutiques, including an exclusive barber shop, a health food store and an ice-cream parlor. Half of the lobby serves a hotel which is on four upper floors. A rooftop restaurant occupies the penthouse and mezzanine. Movable partitions will allow flexibility for private, catered parties in the penthouse.

The first floor is designed to accommodate a pedestrian bridge which will cross over Wilson Boulevard and provide easy access to the mall area around the Art Associates Twin Towers from the AM building's shopping levels.

The Art Associates Twin Towers, also designed by Vosbeck Vosbeck Kendrick Redinger, were completed in the summer of 1970 as part of the master plan for Rosslyn. VVKR now has seven major commercial-office buildings in that rapidly growing area of Arlington County.

Mozel Development built and owns the AM building which cost about \$12 million including tenant finishings. The

MOZEL DEVELOPMENT

BUILDER/OWNER

building has 82,000 square feet of commercial space, 177,000 square feet of office space and 109,000 square feet of parking, for a total of 368,000 square feet of usable space. Culmore Realty handles the leasing. National Bank of North America advanced the construction money. Permanent financing with Travelers Insurance.

Subcontractors & Suppliers

From Washington, D. C. were: Excavation Construction, Inc., excavation; Thomsson Steel Co., Inc., reinforcing steel; Westinghouse Electric Corp. (Elevator Div.), elevators; The Ceco Corporation, glass & glazing store front & curtain wall; APPCO aluminum louvers; J. B. Kendall Co. finish hardware; Franklin Marble & Tile Co., marble & tile; James A. Cassidy Co., Inc., mail chutes; and, Raymond International, Inc., soil testing.

Alexandria firms were: Door & Window Sales, Inc., bathroom accessories; Booth & Associates, sheeting, shoring & bracing; N. Litterio & Co., Inc., masonry work; Anning-Johnson Co. acoustics; McKinney Drilling Co., Inc. pile driving; and, WMAL MUSIC CAST, music.

And, from Arlington were: Paddock Swimming Pool Co., pool; Nance & Volpe, Inc., storm sewers; Clifton D. Mayhew, painting & wall covering; United State Window & House Cleaning Co., window cleaning; and, Herod Todd Steel Construction Co., Inc., precast concrete.

Others were: DeChard & McLaughlin, Hyattsville, Md., plumbing, heating & air conditioning; H. M. S. Electric Corp., Chevy Chase, Md., electrical; Union Iron Works, Herndon, structural steel & miscellaneous iron; Herndon Lumber & Millwork, Inc., Herndon, doors; Cutler Mail Chute Co. Rochester, N. Y., mail chute; American Fire Extinguisher Co., Takoma Park, Md., extinguisher; Bernstein Concrete Corp., Silver Spring, Md. concrete; J. W. Conway, Inc., Hyattsville, Md., membrane waterproofing roofing & metal work; and, Knickerbocker Steel Partition Co., Inc., Tuxedo, Md., partitions.

And, Virginia Metal Products Division Gray Mfg. Co., Orange, hollow metal doors & frames; Maryland Drywall Co., Rockville, Md., drywall; Jackson Stone Co., Inc., Landover, Md., signs; Prospect Industries, McLean, waterproofing; and, Millers Interiors, Maryland Heights, Md., draperies.

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(Danlotos)

VIRGINIA COMMONWEALTH UNIVERSITY
SCHOOL OF BUSINESS BUILDING

RICHMOND

CONSTRUCTION was recently completed on the new school of business building at Virginia Commonwealth University (Academic Division) in Richmond, in time for the 1972 spring semester.

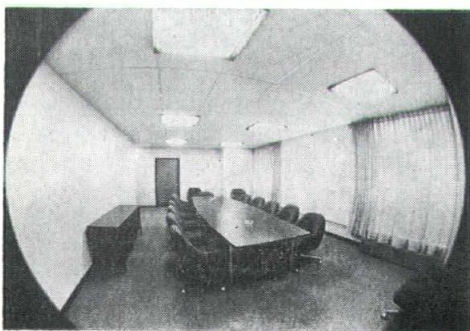
The facility, designed and engineered by LBC&W Associates of Virginia, Architects-Engineers-Planners, houses eighty-five classrooms, 184 faculty offices, 12 seminar and lecture rooms, a

500 seat auditorium with full audio-visual facilities which, through the use of movable walls, is divisible into three separate spaces for simultaneous use by various size groups, and computer center. These spaces were formerly housed in two separate structures on campus.

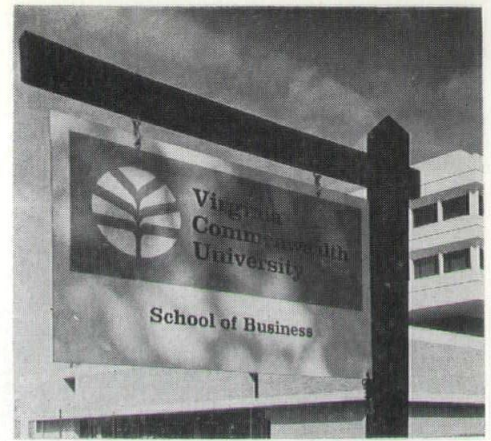
The handsome five story building is located in the block bounded by Main Street, Harrison Street, Linden Street

and Floyd Avenue, and is the first increment in a planned megastructure complex with the next increment being that of the Education Science Building now under design and scheduled for construction in 1973. An enclosed pedestrian bridge will span Main Street and connect the business building with the proposed education science building.

A significant factor revealed in the architect's design is that the building



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was planned carefully to harmonize both in scale and materials with the residential character of the Fan District of Richmond. The building design provides ramps and barrier-free access for disabled persons.

The computer center will provide a computer work/training facility for the entire VCU campus, including the Medical and Academic campuses, in one of the most complete and modern facilities in the Richmond area.

The center provides data processing rooms with space for unit recording, key punch, utility programming with an extensive tape library.

Next to the computer center a unit record lab is provided to accommodate students who wish to analyze and "de-

bug" their own scholastic programs.

The center will be used both for student instruction and for the University's administrative and research needs.

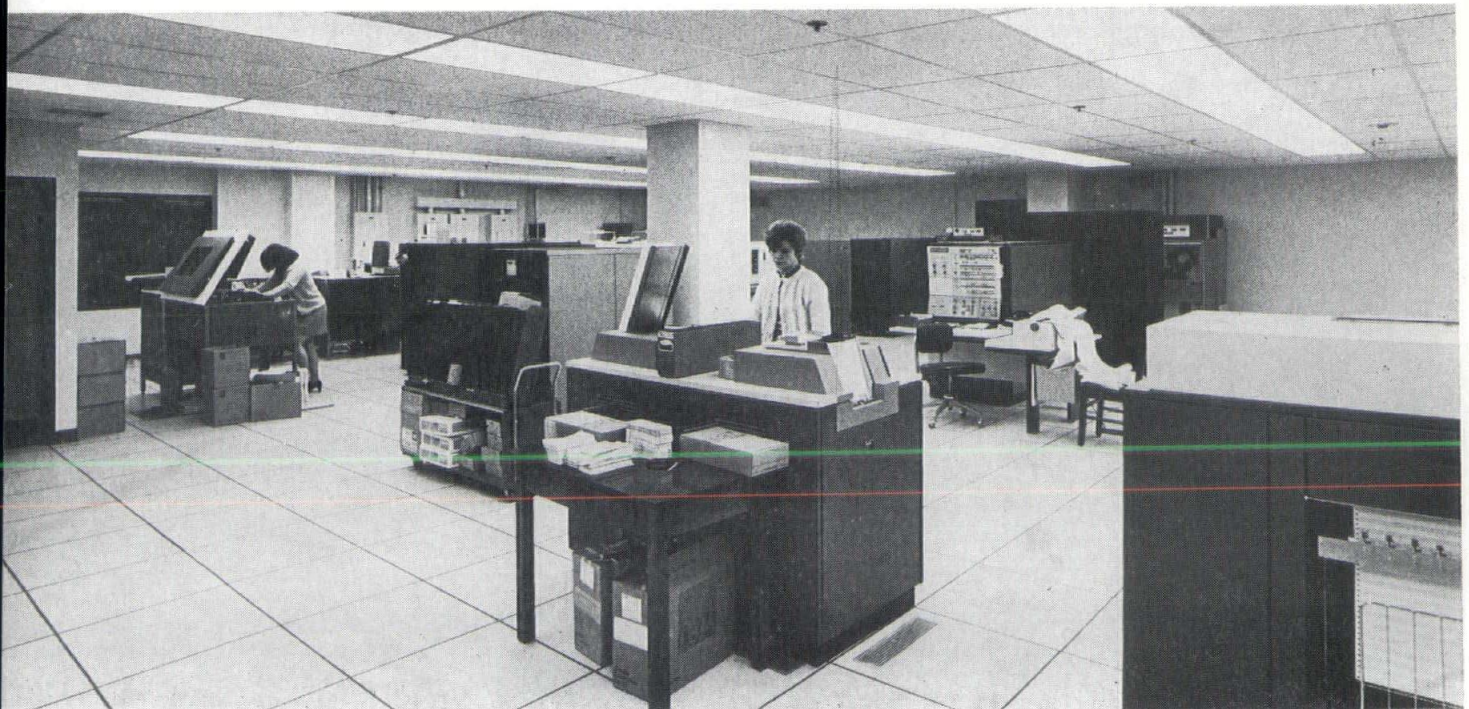
Also located in the new building is the School of Business Management Center, an organization designed to serve the business and industrial communities in Virginia by making courses available to representatives of these companies. In the past year the center provided instruction for more than 3,000 continuing education students and courses include accounting, business administration, management, economics, marketing, advertising, retailing, computer science and business education.

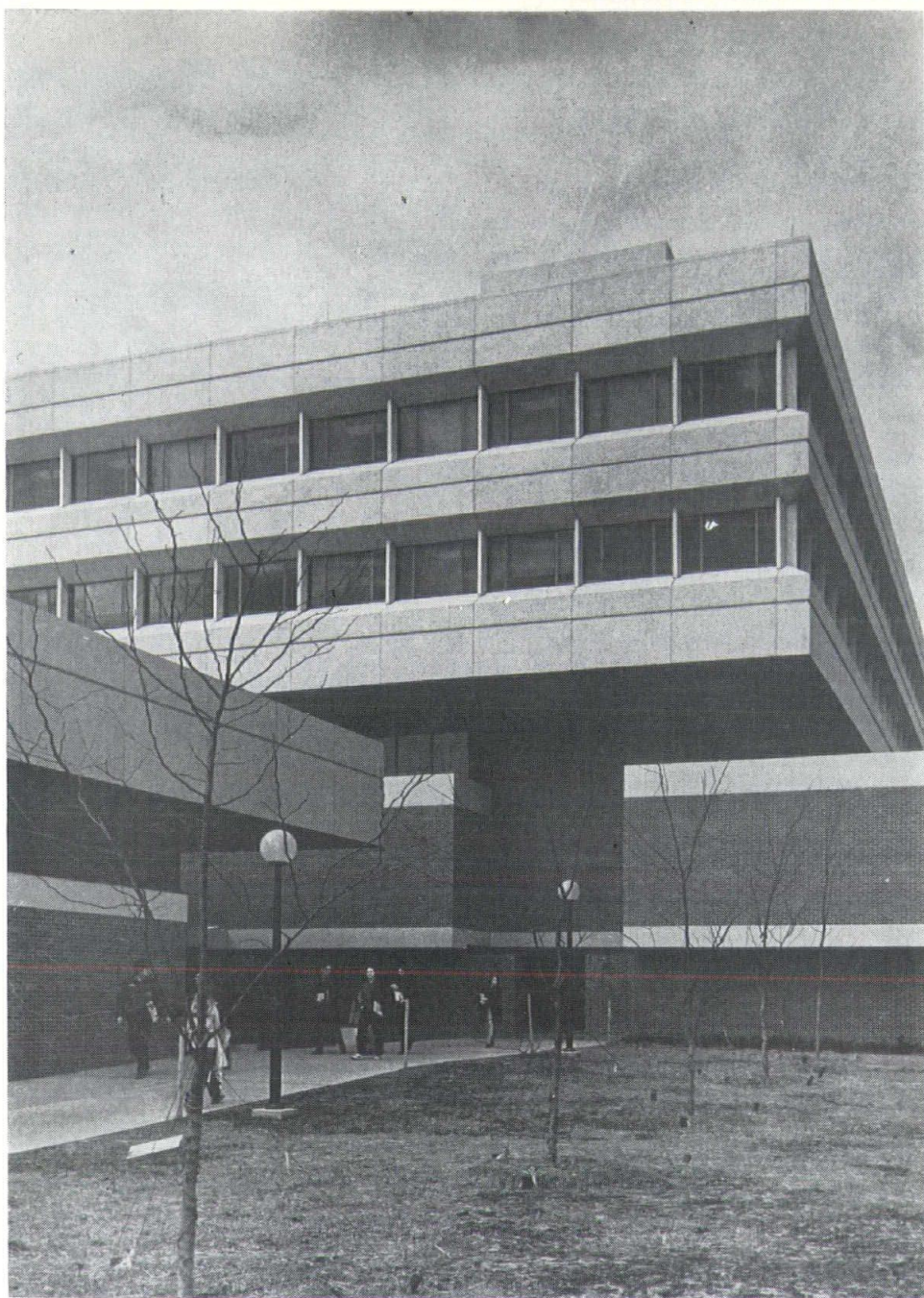
Virginia Commonwealth University faced with a rapid enrollment growth,

has constructed, in addition to the business building, a physical education building, the James Branch Cabell Library, and a classroom building for the school of the arts. Also funded, but yet in the planning stages, are a school of education building and a school of science building.

Virginia Commonwealth University, formed by the merger of Richmond Professional Institute and the Medical College of Virginia, in 1968, now enrolls more than 13,000 students. The first President of the new urban university is Dr. Warren W. Brandt.

The School of Business Building contains more than 151,000 square feet of space and was constructed at a cost of \$3.8 million.

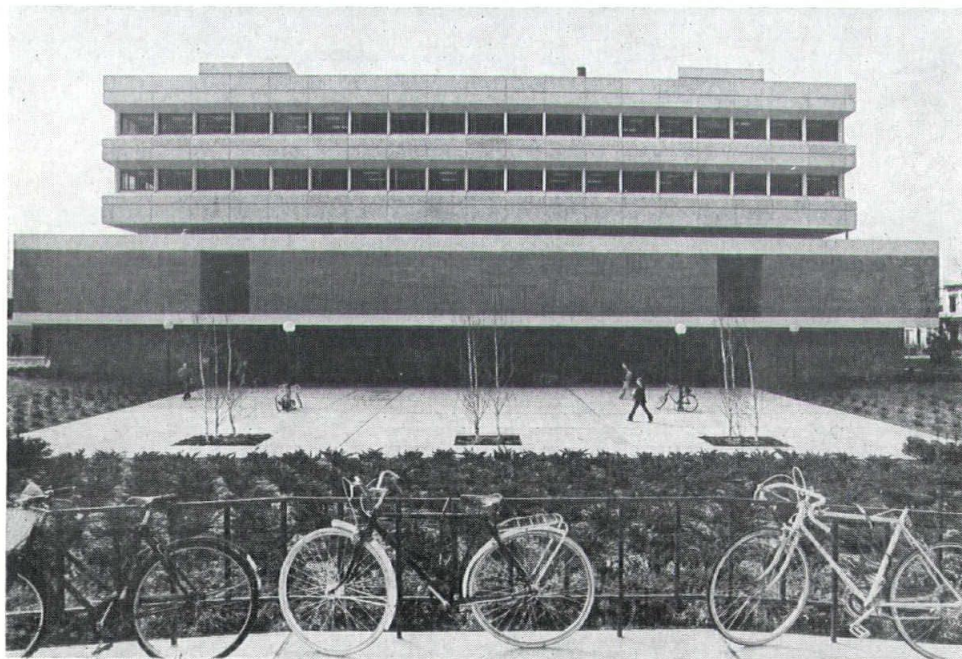




Subcontractors & Suppliers
(Richmond firms unless noted)

Thorington Construction Co., general contractor; Sash Door & Glass Corp., architectural aluminum, aluminum windows & glazing; McKinney Drilling Co., caissons; Economy Cast Stone Co. Inc., precast architectural concrete & caulking; Bragg & Francis Tile & Marble, Inc., ceramic tile; Schalow Mfg. Co., Inc., Powhatan, chalk & tadel boards; Brisk Waterproofing Co., Inc., dampproofing; E. C. Ernst, Inc., electrical work; W. W. Moore & Son, Inc., elevator; Page-Kaufman-Daly, Inc., Linthicum Heights, Md., elevated floor system; and, J. A. Walder, Inc., excavation.

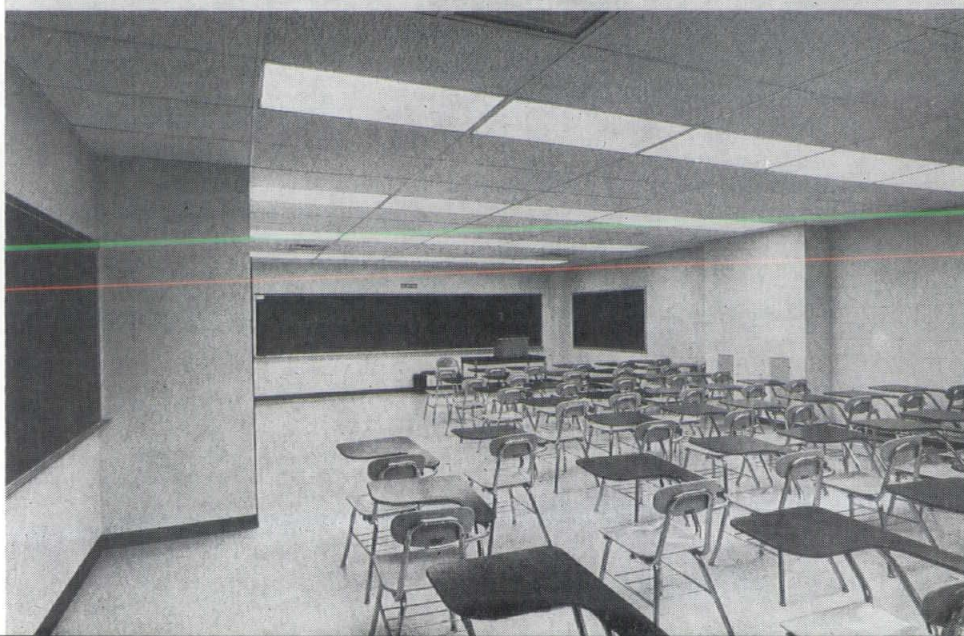
Also, Pleasants Hardware, finish hardware; Roanoke Engineering Sales Co., Inc., fire extinguisher cabinets; Graham Van Lerr & Elmore Co. & Holcomb & Hoke Manufacturing, folding partitions; Acme Steel Door Corp., Brooklyn, N. Y. (John J. Bagley, Agt.), hollow metal doors & frames; J. B. Fullrell Co. of Va., insulating concrete; Fred Todman & Dwyer Kitchen Manufacturing, kitchenette; Southern Brick Contractors, Inc., masonry; T. A. Talley, Jr. & Co., mechanical work; and



Ventilouvre Corp. Marietta, Ohio,
c/o James G. Thayer), metal door
ouvers.

And, Knickerbocker Steel Partition
Co., Freeport, N. Y. (John J. Bagley,
Agt.), metal toilet compartments; Bur-
on Lumber Corp., Chesapeake, mill-
work; Liphard Steel Co., Inc., miscel-
aneous metals; N. Chasen & Sons,
nc., painting; C. E. Thurston & Son,
nc., prefabricated chimney; Bethlehem
Steel Corp., reinforcing steel; and, F.
Richard Wilton, Jr., Inc., resilient floor
ile, acoustical work, lath & plaster,
exposed aggregate sprayed-on insula-
tion & building insulation.

Others were: N. W. Martin & Bros.,
nc., roofing, roof insulation & sheet
metal; Bristol Steel & Iron Works, Inc.,
structural steel, joists & steel deck; E.
S. Chappell & Son, Inc., thresholds,
ound strip & automatic door drops;
Pleasants Hardware, toilet accessories;
Mosler Safe Co., vault door; Cottrell
Electronics Corp., sound system; Cut-
ter Mail Chute Co., Rochester, N. Y.
John J. Bagley, Agt.), mail boxes;
Fluid Engineering Services, air & water
balance; Grinnell Co., Inc., automatic
fire sprinkler system; and, Shreckhise
Brothers Nurseries, Weyers Cave, land-
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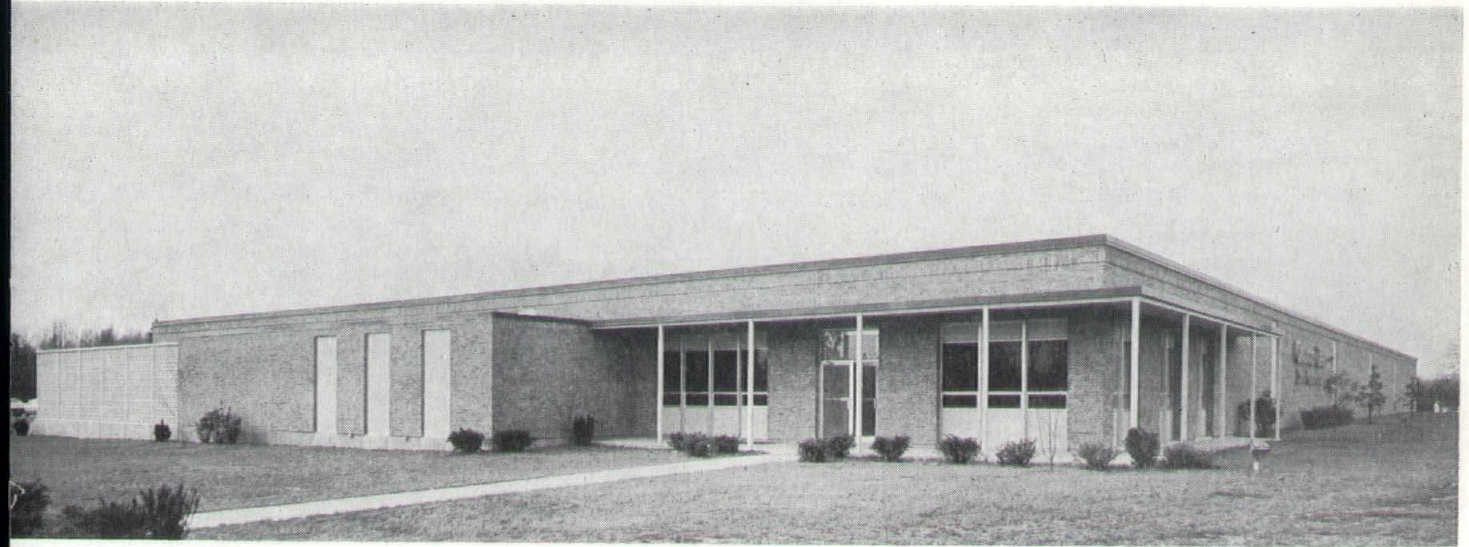
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Photos by James M. McElroy)

Craddock-Terry Shoe Manufacturing Plant — Blackstone

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CONSTRUCTION began on a Blackstone plant for Craddock-Terry Shoe Corporation in October 1969. The 54,000 square foot plant was completed in June 1970.

The plant represents one of a series of manufacturing expansions for the Lynchburg-based corporation, and is essentially the same as plants in Lawrenceville, Dillwyn and Gretna, all designed by Wiley & Wilson over the past 2 years.

The one-story structure features brick veneer walls on masonry block, steel framing, steel joists with a metal roof deck and built-up roof.

In addition to the manufacturing

area, there is also an area for private offices, a conference room, lobby and reception area, first aid rooms and a snack bar served by vending machines.

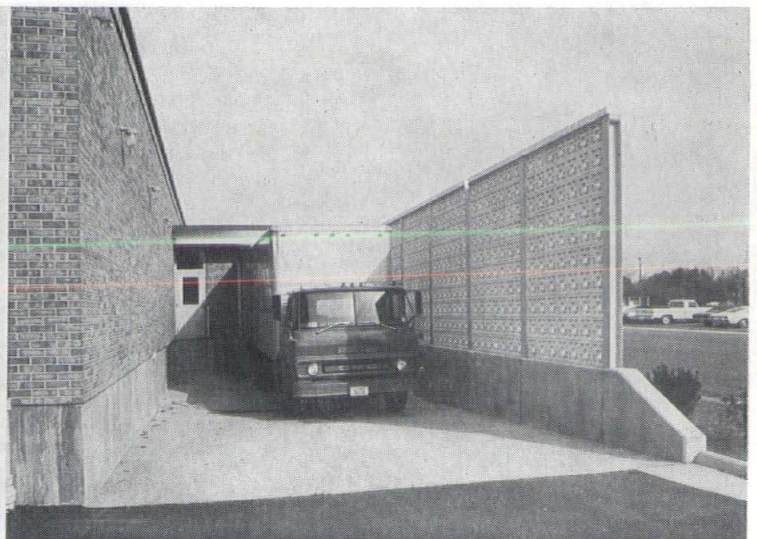
There is a Muller Room, where leather is conditioned under high humidity, and an explosion-proof glue storage room. A loading dock for shipping and receiving is included and is screened by a block wall.

The manufacturing area is heated and air conditioned by low velocity air handling systems with humidity control in approximately three-fourths of the area, and with provision for cooling with all outside air. The office area is heated and air conditioned by a single

zone air handling system with hot water reheat coils serving two sub-branches.

Heating is provided by circulated hot water, generated by converter, receiving low pressure steam from an oil-fired boiler in the mechanical room. Air conditioning is provided by circulated chilled water, generated by centrifugal water chiller, with water condensing served by outdoor cooling tower. Four, large capacity, power roof ventilators provide emergency exhaust for the manufacturing area. Humidification is provided by direct injection of steam into duct supply streams.

(Continued on page 85)





REDEEMER LUTHERAN CHURCH

CHESTERFIELD COUNTY

THE PLANNING COMMITTEE of Redeemer Lutheran Church advised their architects that they wanted a contemporary church with seating for 250 arranged in such a way that worshipers were close to the altar as well as close to each other. The committee also felt that the choir should be a part of the congregation rather than separated from them. This was accomplished by the adaptation of the slightly modified "church in the round" concept, in which the pulpit and altar were located in one corner of the sanc-

tuary and "surrounded" on three sides by the seating. The choir is located at the opposite corner of the sanctuary and, except for a slight elevation required for good vision, is an extension of the congregational seating.

The sloping wood roof deck, supported by laminated wood beams, enhances the acoustics of the sanctuary. High over the center of the room is a large skylight through which can be seen the metal cross towering above.

Behind the pulpit is the sacristy which connects to the kitchen below

with a circular steel stair. Immediately below the sanctuary is the assembly room with a small stage.

A two-story wing abuts the sanctuary and assembly area. The upstairs contains offices for the pastor and secretary as well as a small library. The lower level of this wing provides nursery and Sunday school space.

The exterior of the building is faced with gray-bleached cedar, trimmed in dark gray. Projecting windows, glazed with gray glass offer ample sight line with controlled solar exposure. Cor-

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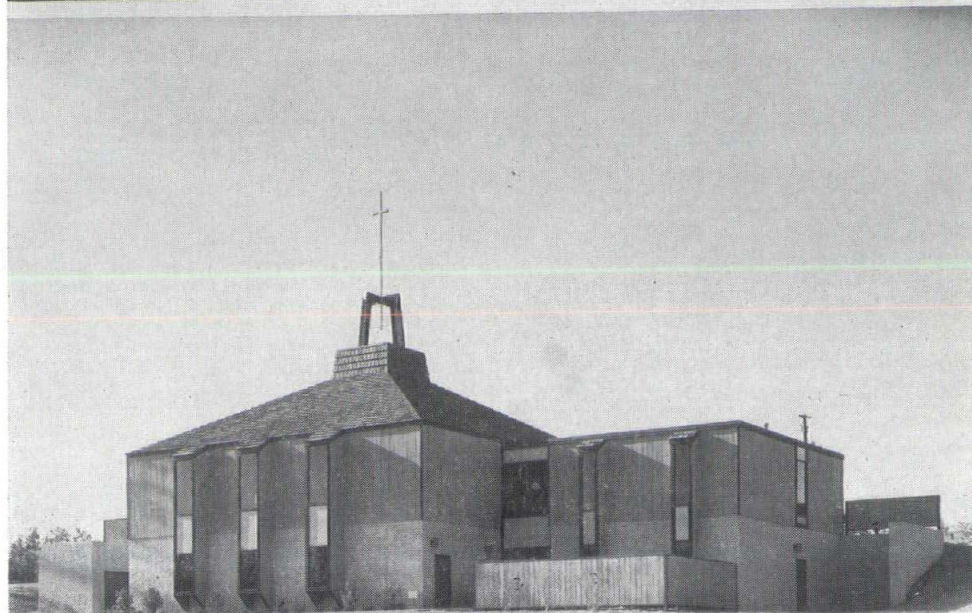
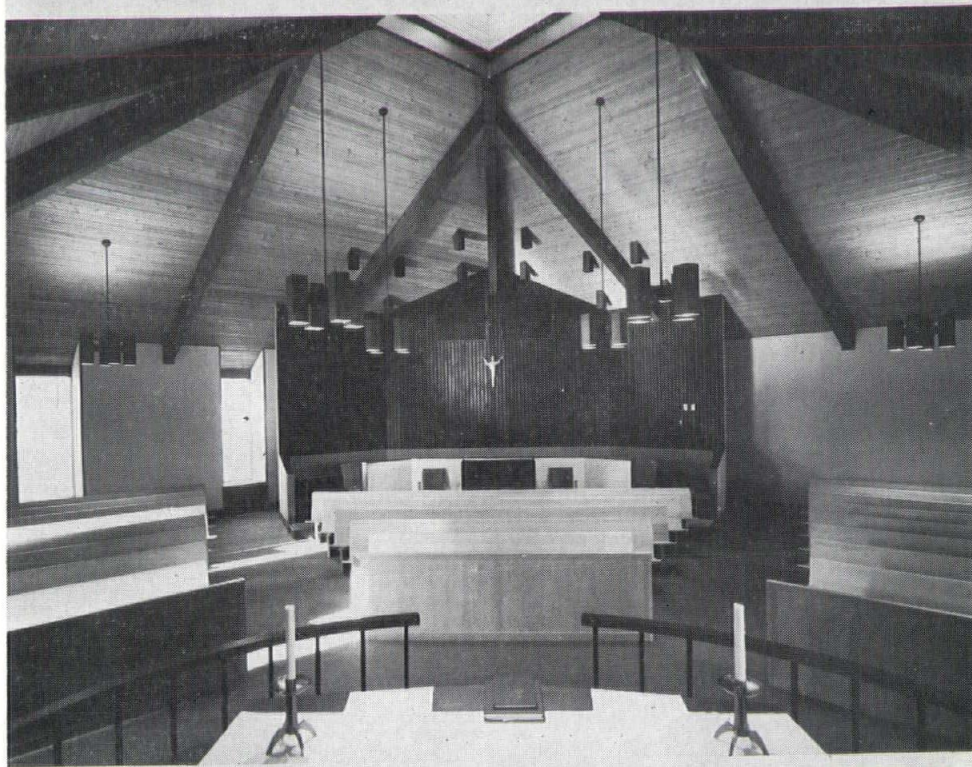
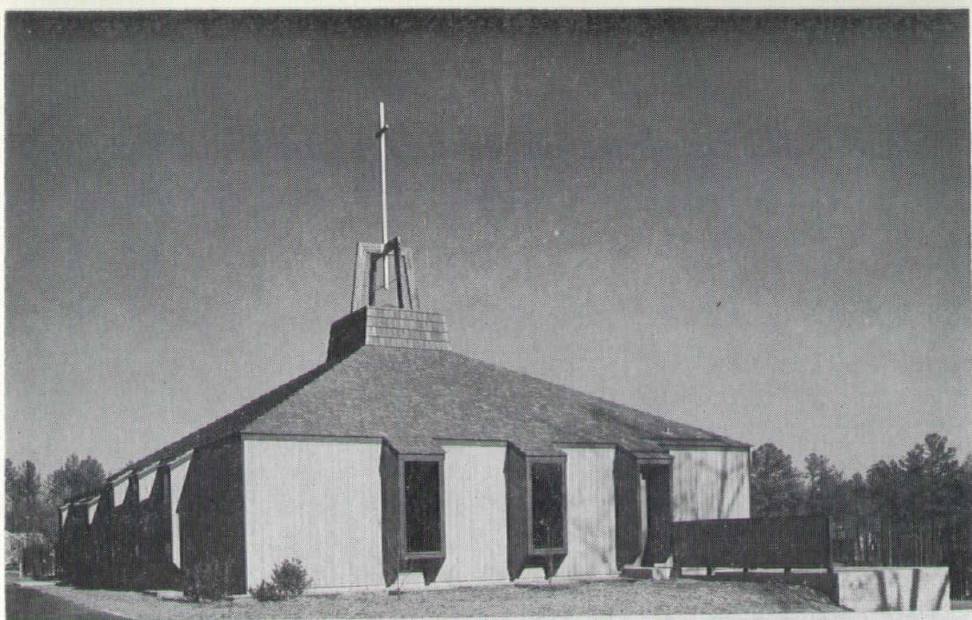
Photos by
James M. McElroy

crete shingles extend up the sanctuary
roof and enclose the skylight.

Subcontractors & Suppliers
(Richmond firms unless noted)

Barker Construction Co., Inc., general
contractor, foundations & carpentry;
William W. Rowe, excavating; Lone
Star Industries (Southern Materials
Co.), concrete ready mixed; Southern
Brick Contractors, Inc., masonry; Mon-
ague-Betts Co., Inc., Lynchburg, steel
& handrails; N. W. Martin & Brothers,
Inc., roof deck, roofing & water-
proofing; Binswanger Glass Co., Inc.,
windows & glazing; and, H. Beck-
stoffer's Sons, structural wood, paneling
& millwork.

Also, Frick, Vass & Street, Inc.,
painting; E. S. Chappell & Son, Inc.,
weatherstripping; W. K. Hawkins En-
gineering Co., Inc., insulation; C. B.
Smith & Co., acoustical & resilient tile;
A. Bertozzi, Inc., plaster; H. E. Oliver
& Co., Inc., lighting fixtures & electri-
cal work; Catlett-Johnson Corp., plumb-
ing fixtures, plumbing, air conditioning
& ventilating; and, Pleasants Hard-
ware, hardware.



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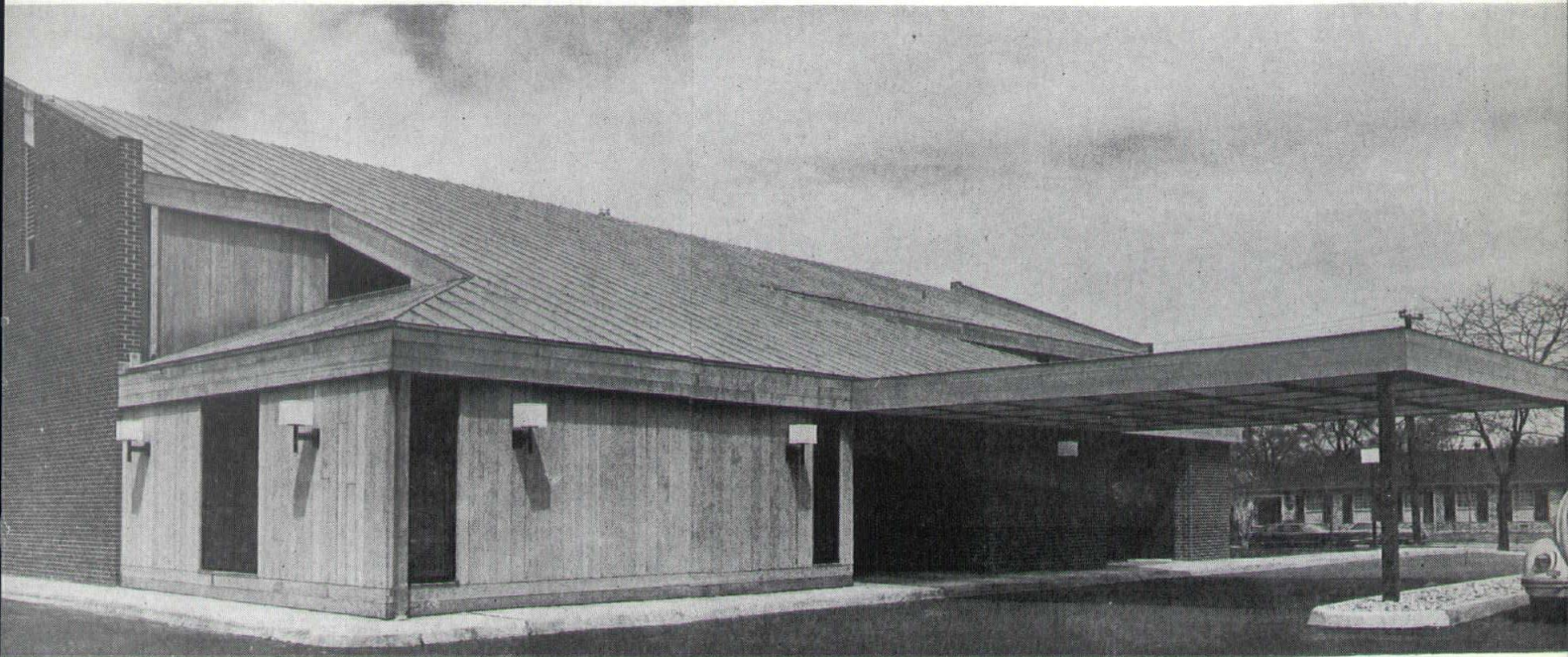
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(Danfotos)

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A very active partnership of seven orthopaedic doctors wanted to relocate in a suburban area in a clinic building designed for their very specific needs.

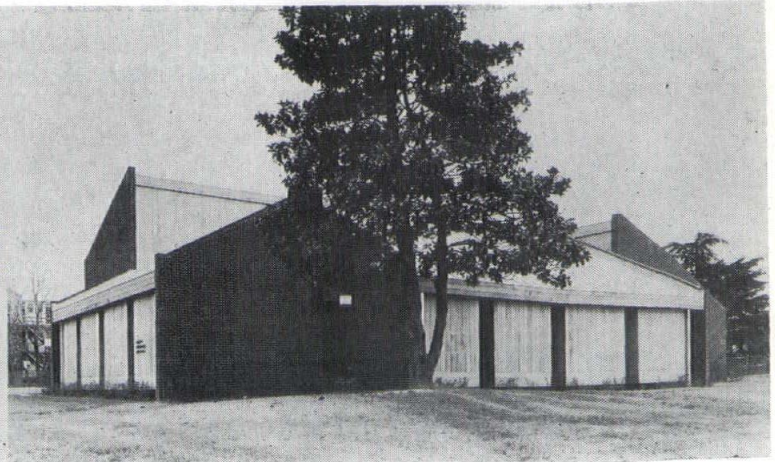
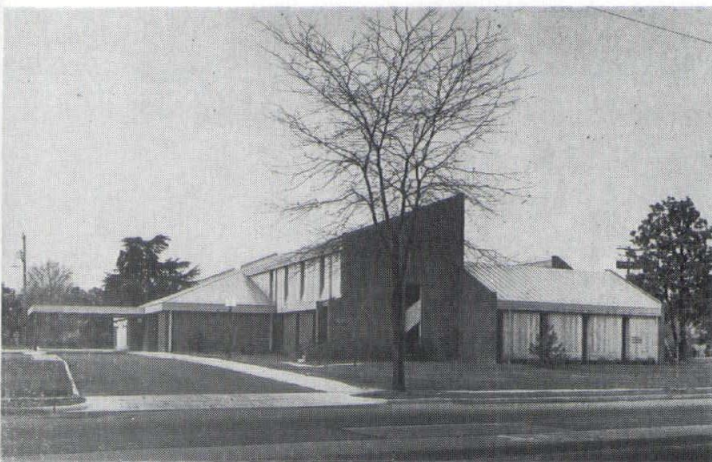
The heart of an orthopaedic clinic is in the x-ray room and its efficient use by doctors and patients. The 9,000 square foot building is designed to have 14 examining and casting rooms surrounding two large x-ray rooms that can be operated by one x-ray technician.

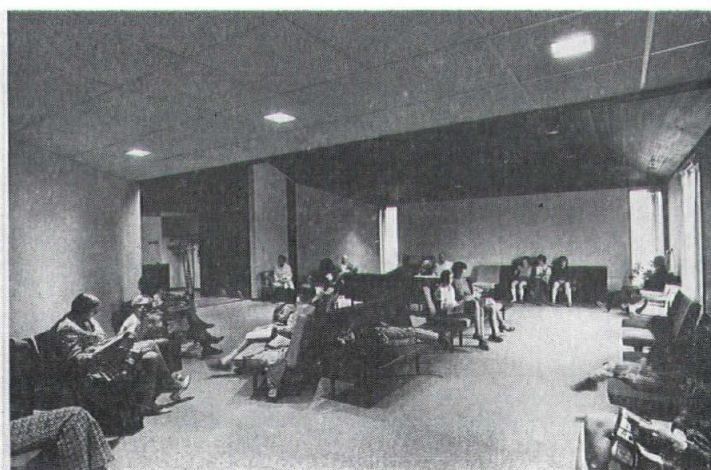
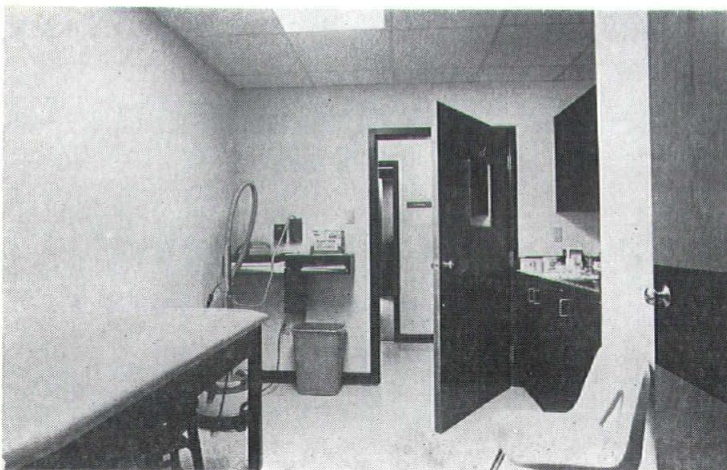
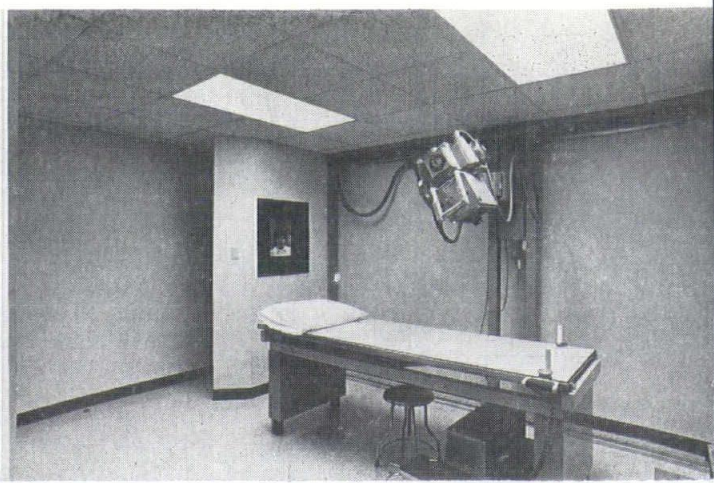
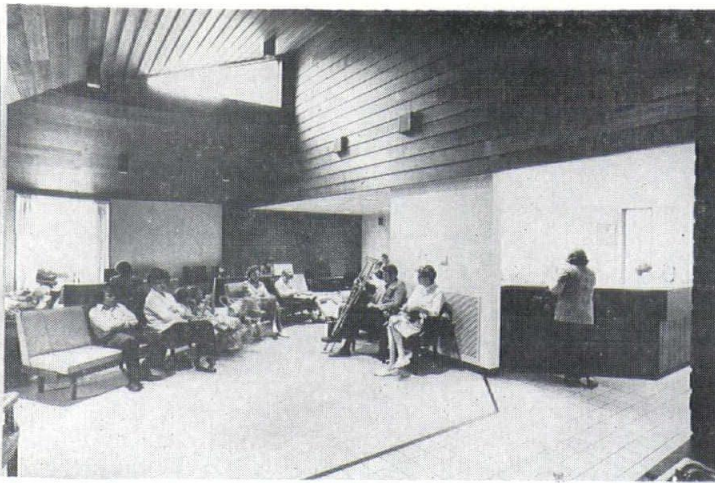
The 14 examining rooms are served by a double do-nut of corridors serving patients' circulation and doctors' circulation. Also opening off of this outer ring of corridor are eight private offices for dictating and consultation.

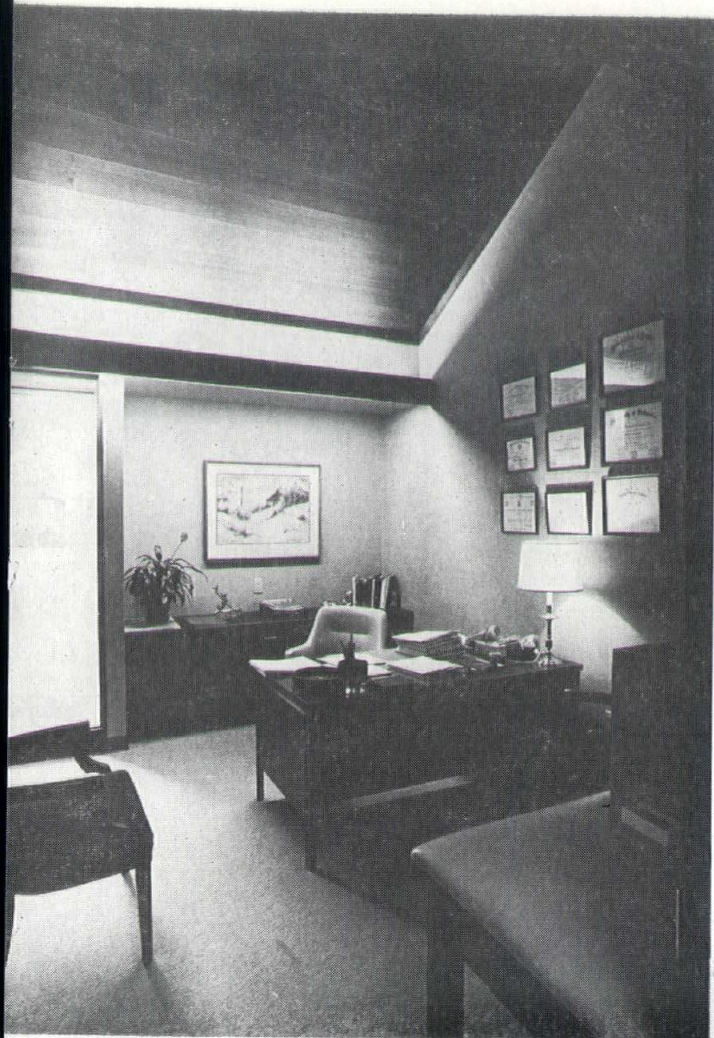
The waiting room is a large two-story space with dark restful brick walls and redwood ceiling to give the patient a sense of rest and quiet.

The corridors to the examining rooms vary as to height and width because of their additional functions as the necessary files for hundreds of past and current patients which are stored in large circular files and served by three file clerks. File storage of x-rays is in the basement.

The second floor serves as the business office and lounge areas away from all of the hustle and bustle of the medical floor. Here again the ceiling





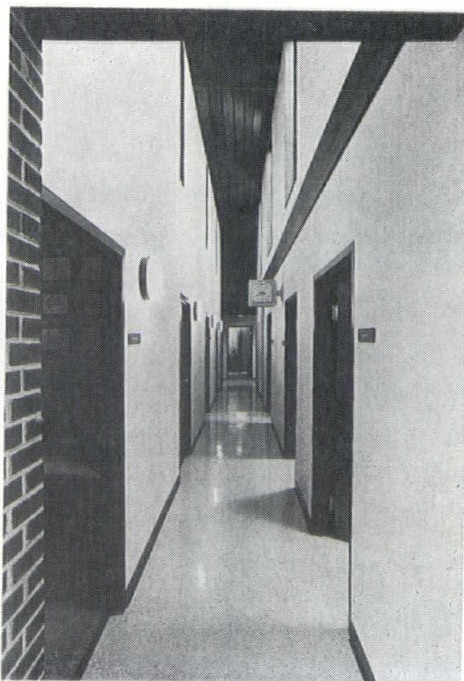


goes up to the peak of the shed roof in order to add an extra excitement to the rather dull work of typing and keeping medical records.

The exterior of the building is bleached redwood and dark brown brick with a terne coated stainless steel roof. The colors of quiet greys and browns were picked to blend with the traditional residential neighborhood. The residential scale is maintained by utilizing sloping roofs which repeat the neighborhood scale.

Subcontractors & Suppliers (All Richmond firms)

Kayhoe Construction Corp., general contractor, foundations, concrete, structural wood, carpentry & paneling; E. G. Howles Co., excavating; W. L. Coor, masonry; B & K Steel Co., steel, steel



roof deck & metal handrails; N. W. Martin & Bros., Inc., roofing & waterproofing; and, Sash Door & Glass Corp., windows, glazing & steel doors & bucks.

Also, W. W. Nash & Sons, Inc., painting; Manson & Utley, Inc., weatherstripping; Wieler Insulation Co., insulation; Metropolitan Floor & Ceiling Co., acoustical & resilient tile; Richmond Tile & Marble, ceramic tile; H. Beckstoffer's Sons, millwork & wood handrails; R. M. Greene, lighting fixtures & electrical work; Triangle Plumbing & Heating, Inc., plumbing fixtures & plumbing; Bristow Heating & Air Conditioning, Inc., air conditioning, heating & ventilating; and, Pleasants Hardware, hardware.

And, Radiation Shielding Products Div., N. Y.

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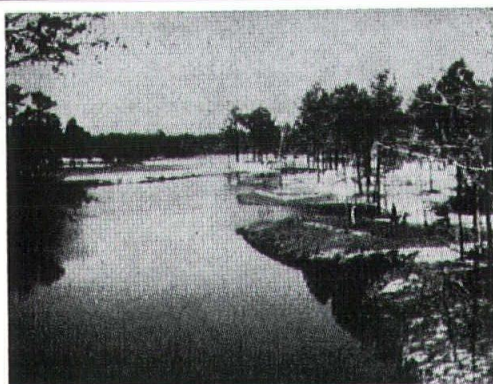
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MUSIC

JUNE

- 1, 8, 15, 22
& 29. **Hampton.** U. S. Continental Army Command Band, Music Under the Stars, Continental Park, Fort Monroe, 8 p.m.
- 4, 11, 18
& 25. **Williamsburg.** Music at the Capital with Taylor Vrooman, baladeer.
10. **Virginia Beach.** Virginia Beach Civic Orchestra & Beach Singers, Plaza Jr. High School.
- 12-15. **Virginia Beach.** 11th Annual Virginia Beach Music Festival
- 16-17. **Marion.** Fourth Annual Old Time Fiddlers' & Bluegrass Convention.
- 23-24. **Hampton.** Fifth Annual Hampton Jazz Festival.

SPECIAL SPORTS EVENTS

JUNE

- 3-18. **Richmond.** Thalhimer's City Tennis Championships.
- 8-11. **Upperville.** Upperville Colt & Horse Show.
10. **Richmond.** Deep Run Hunt Races, State Fairgrounds.
- 15-17. **Wytheville.** Western Horse Show, 1 p.m.
- 16-18. **Bristol.** 8th Annual Springnationals—National Championship Drag Meet.
25. **Haymarket.** VAHA Field Day Horse Show.

OTHER EVENTS

JUNE

- 2-4. **Roanoke.** Festival in the Park Elmwood Park, music, art & craft festival.
3. **Richmond.** Sixth Annual Massing of the Flags Ceremony, Jefferson Davis Monument, 10:30 a.m.

10. **Newport.** Covered Bridge Day, 10 a.m.-4 p.m.
- 6-18. **Buena Vista.** 2nd Annual Alumni Weekend, Southern Seminary Campus.
- 6-18. **Colonial Beach.** 21st Annual Potomac River Festival.
8. **Richmond.** Picture Carnival & beginning of Festival of Arts, Dogwood Dell.
30. **Blue Ridge Parkway.** National Park Centennial Year on the Blue Ridge Parkway, 11 a.m., milepost 241.

THEATRES

- Abingdon.** Summer season opens May 23.
- Alexandria.** The Little Theatre of Alexandria. "What Every Woman Knows," June 16-July 1.
- Big Stone Gap.** June Tolliver Playhouse. "The Trail of the Lonesome Pine," outdoor drama, June 24-Sept. 2; 8:30 p.m. Tuesday-Saturday.
- Charlottesville.** Albemarle Playhouse. Dinner Theatre.
- Colonial Heights.** Swift Creek Mill Playhouse. "1776."
- Hanover.** Barksdale Memorial Dinner Theatre.
- Middletown.** Wayside Theatre opens for season June 6.
- Norfolk.** Little Theatre of Norfolk.
- Norfolk.** Lake Wright Dinner Theatre.
- Radford.** "The Long Way Home," drama, Ingles Homestead, June 22-Labor Day Weekend.
- Richmond.** The Barn. "What Every Man Should Know," May-July, Wednesdays-Sundays, dinner 7 p.m., performance 8:30 p.m.
- Richmond.** Virginia Museum Theatre. "Charley's Aunt," May 10-June 17, Tuesdays-Saturdays 8:15 p.m., matinee on Saturdays, 2:15 p.m.
- Roanoke.** Barn Dinner Theatre.
- Williamsburg.** York Street Theatre.
- Williamsburg:** "The Common Glory," outdoor drama, nightly except Sundays, June 19-Aug. 26, 8:40 p.m.

to tell the Virginia Story

APRIL THRU JUNE

Dates subject to change without notice. Listings supplied by localities concerned.

Jamestown. Exhibits at Jamestown Festival Park. Open daily 9 a.m.-5 p.m.

Jamestown. First permanent English Colony, Old Church Tower. Glasshouse and Visitor Center, open daily.

Natural Bridge. Open daily at 7 a.m. for daytime visiting. "Drama of Creation," nightly 9 & 10 p.m. during May & June.

Reedville. Cruises to Tangier Island, June 14, 24 & 27. For detailed information contact Byways Travel Agency.

Williamsburg. Carriage and Waggon Rides daily through restored area; garden tours and tours of craft shops.

Woodbridge. Open second Sunday in April, daily 10 a.m.-dusk.

Shenandoah National Park. All Visitor Centers are open; summer programs begin June 17 and continue until Labor Day. The mountain laurel, flame azalea & rhododendron in bloom about mid-May-mid-June depending upon weather.



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Merrifield View Townhouses—Fairfax

LUXURY living at a moderate price is the object of the innovations in Merrifield View townhouses in Fairfax County, designed by the Falls Church architectural firm of Barkley-Pierce Associates. Although its location is convenient to the entire Washington Metropolitan Area, Merrifield View is set in semi-rural surroundings, predominated by green areas and open space.

Barkley-Pierce has successfully captured a quiet, relaxing mood of suburban life-style through non-restrictive interior designs that set the scene for family-oriented home life in an atmosphere of leisure.

The architects were directed by the builders, Arrowwood Development Corporation, to design economical residences without cutting corners on the quality of workmanship. The resulting community of townhouses boasts luxury-oriented details but remains within the upper moderately-priced housing spectrum.

Perhaps the most striking design feature in Merrifield View results from the application of an "open space concept" to the interiors of the townhouses. Room separation is cut to a minimum and—through the utilization of advanced split-level design—an air of roominess is conveyed to expand the already-generous dimensions allocated to the living areas.

Consumer acceptance of the Merrifield View concept is best measured by the rapidity with which the first section of 39 units was completely sold. Arrowwood is currently finishing a second section that will bring Merrifield

View to its planned full complement of 83 units.

An example of the high quality of building materials utilized in the design is found in the use of steel beam construction for both first and second floors—an application seldom found in townhouse construction. This substitution for bearing walls reduces the possibility of floor sag, commonly found in townhouses built of wood frame bearing construction.

Ranging in price from \$35,500 to \$38,500, the homes of Merrifield View feature brick-faced traditional exterior styling. The attractive exteriors are augmented through the extensive use of pink dogwoods, pines, spruces, cedars and lower-growing shrubbery. An assurance of the continuing attractiveness of the landscaping was obtained through the use of certified weed-free sod. The attractive appearance of the entire community has been enhanced by a scenic, 80-acre buffer zone of open space between the Merrifield View residences and Interstate Highway 66, located adjacent to the community. This zone also separates the townhouses from the highway corridor, lending to the tranquil atmosphere of Merrifield View.

The front steps of each townhouse have been laid on the same drain-tiled foundation as the rest of the building to prevent the common problem of the steps settling away from the house. Within the townhouses, the spacious rooms are effectively cooled by central air conditioning. Wall-to-wall carpeting throughout, is laid on 5/8 inch

tongue and groove plywood, glued and nailed. Kiln-dried lumber was used exclusively.

The front entrance leads to a low-level living room which is highlighted to the rear by a raised, rail-separated dining room, creating the feeling of spaciousness. The color-coordinated kitchens offer additional dining space and a full complement of Whirlpool appliances, including dishwasher, garbage disposal, and a 15.1 cubic foot double-door, frost-free refrigerator.

Further evidences of design for comfortable, convenient family living are found in the two full-baths and two half-baths in Merrifield View homes. Bathrooms are finished with ceramic tile and marble-top vanities are used in each bath.

The second floor features a master bedroom of up to 11' by 18'11". The second and third bedrooms and the two full baths also are contained on the upstairs level. The basement offers a laundry area, den, recreation room, powder room and—in most of the homes—a walk-out entrance.

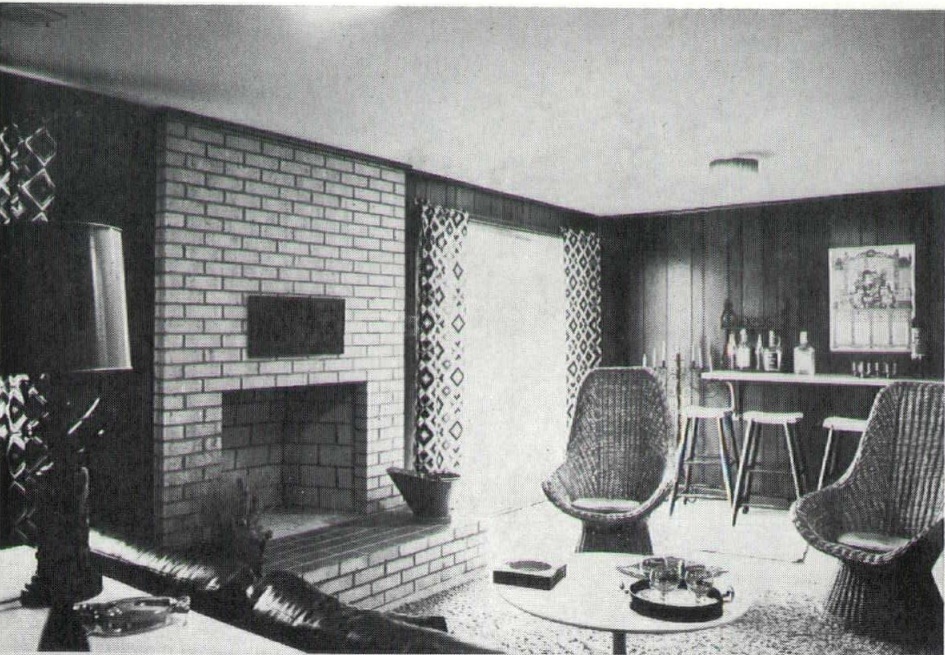
Optional features include a finished lower level, wet bar, and first-floor and second-floor fireplaces.

Subcontractors & Suppliers

Arrowwood Development Corp., Washington, D. C., developer, foundations & concrete; Terra Excavating Co., Vienna, excavating; Craven Brick Co., Springfield, masonry; Arlington Iron Works, Inc., Arlington, steel & hand-rails; Old Dominion Contractors, Falls Church, roofing; Kern Windows, windows; Devlin Lumber & Supply Corp.

CREDITS:

S. D. JEFFRY, A.I.D — INTERIOR DESIGNER
ARROWWOOD DEVELOPMENT CORP. — DEVELOPER



Rockville, Md., structural wood, millwork & hardware; and, R.E.S. Carpentry, Oxonhill, Md., carpentry. Also, Woodrow Decorating, Herndon, painting; Allied Plywood Corp., Alexandria, paneling; Bethesda Asphalt, Bethesda, Md., waterproofing; Charles Strough, Rockville, Md., waterproofing; Davenport Insulation Inc., Falls Church, insulation; Lock-

hart Tile Co., Vienna, ceramic tile; Brothers & Justice, Inc., McLean, resilient tile; Dominion Electric Supply Co., Inc., Arlington, lighting fixtures; L. T. Bowden, Inc., Vienna, electrical work; Fairfax Plumbing Service, Inc., Falls Church, plumbing (Kohler Co., fixtures); and Cherrydale Sheet Metal Co., Inc., Merrifield, air conditioning, heating & ventilating.

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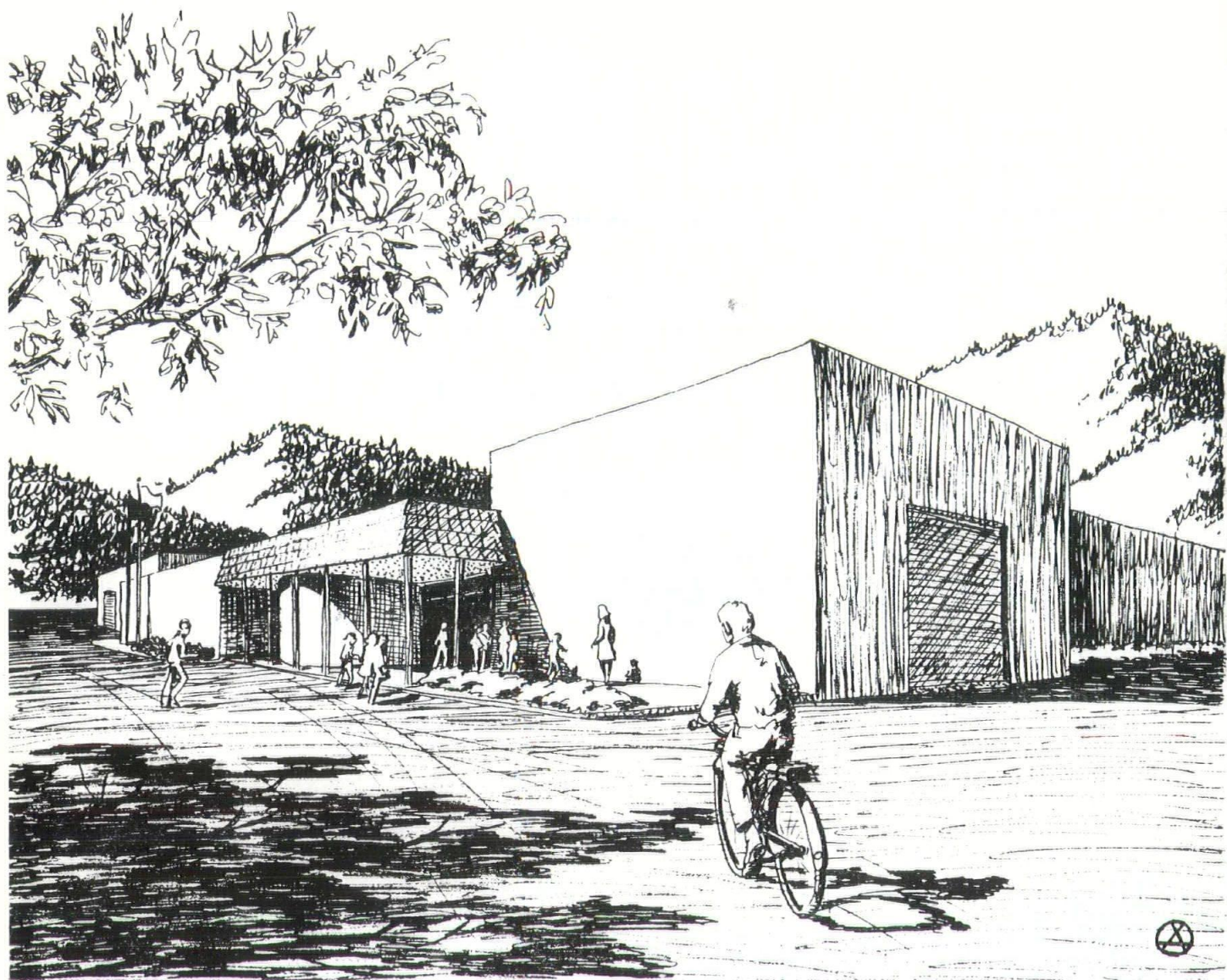
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ST. PAUL'S ELEMENTARY SCHOOL—CANA

THE alterations and additions to St. Paul's Elementary School at Cana in Carroll County will increase the size of the school to 75,160 square feet and 20 classrooms. The new addition includes new cafeteria and kitchen facilities, Vo Ag shop and classroom, homemaking suite, science suite, art lab and classrooms. Also to be included are a gymnasium and physical education facilities, music suite and new general offices. The existing cafeteria will become a new library and the existing library and office areas will become classrooms. Windows in the existing building will be bricked up.

The construction project represents a new and unique solution to the prob-

lem of school ventilating, heating and air conditioning. The problems involved the environmental controls incident to remodeling so that total air conditioning including the gymnasium could be accomplished on a year around basis economical enough to permit the building's use for community affairs. The problems facing the school district were not unique in this regard, but traditional approaches were tried and found too costly. Study by the architect-engineer verified that use of the auditorium-gymnasium and the classrooms would be on such a different schedule as to permit a switching concept that would cause dampers in the main ducts to feed the two different areas by use

of a manual control panel in the school's main office. The results are expected to permit heating and cooling of the entire new building at little more cost than the individual areas alone.

This has all been provided without losing the advantage of individual zone control to each classroom area by utilizing seven Mammoth heating and cooling rooftop units and Mammoth's fluidic air terminal distribution system which are being furnished by Shultz and James, Inc. of Richmond. Combining this imaginative approach with their design flexibility, Hinnant, Addison and Hinnant were able to meet an HVAC cost of \$2.38 per square foot not including the electrical wiring. This

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GENERAL CONTRACTOR**

The new addition is designed around a central courtyard which will be used as teacher space in fair weather. The band room can also double as a stage and the gymnasium as an auditorium. Soundproof folding partitions were used in several areas to provide versatility in teaching techniques.

The classroom lighting will be indirect super-flux by Palco. The gymnasium will have mercury vapor lighting for athletic events and incandescent wall brackets for more subdued lighting for auditorium use.

A 10,000 gallon elevated water storage tank is being installed to provide a gravity flow water supply. This will be furnished by the Falwell Well Corp., Lynchburg.

General Contractor for the project is T. C. Brittain Co. of Decatur.

Georgia who handled excavating, piling, foundations and masonry. Subcontractors and material suppliers include: Surry Concrete Co., Mt. Airy, N. C., concrete; Valley Steel Corp., Salem, reinforcing steel; Lynchburg Steel & Specialty Co., Madison Heights, steel & steel roof deck; Avrett Metal Products, Inc., Charlotte, N. C., windows & steel doors & bucks; and, Tilley Paint Co., Inc., Pulaski, painting.

Also, Marus Marble & Tile Co., Inc., Greensboro, N. C., terrazzo; Wearn Lumber Co., Charlotte, N. C., millwork; Floyd S. Pike Electrical Contractors, Inc., Mt. Airy, N. C., lighting fixtures & electrical work; Harris Mechanical Contractors, Inc., Radford, plumbing fixtures, plumbing, air conditioning heating & ventilating; Bailey Spencer Hardware Co., Inc., Lynchburg, hardware; Grant E. Key, Inc., Lynchburg, kitchen equipment; Falwell Well Corp., Lynchburg, elevated water storage tank; and Mitchell Engineering Co., Columbus, Miss., pre-engineered building.

The floor plan for St. Paul Intermediate School is divided into two main sections: the 1st Floor and the 2nd Floor (Exist).

1st Floor:

- Left Wing:** Includes a BAND RM. (STAGE), GYMNASIUM, SH. DRY, GIRLS DR., three CL. RM. (Classrooms), a CORR. (Corridor), EXT. STOR. (External Storage), CL. RM., ART, LIBRARY, and SP. ED. (Special Education).
- Central Lobby:** A LOBBY area with a PE. CL. RM. (Physical Education Classroom) and a BOYS DR. (Boys' Entrance).
- Right Wing:** Includes SCIENCE, HOMAK. KITCH. (Homework Kitchen), two HOMAK. (Homework) rooms, VO-AG SHOP, VO-AG CL. RM. (Vocational-Agricultural Classroom), and a CORR. (Corridor).
- Central Courtyard:** A large COURT area with an OPEN CORR. (Open Corridor) and several CL. RM. (Classrooms) and T. (Toilets) on both sides.
- Bottom Right:** Includes a LOBBY, OFF. (Office), CLINIC, and CAFETERIA.

2nd Floor (Exist):

- Left Wing:** Includes a T. RM. (Teacher's Room), T. (Toilet), three CL. RM. (Classrooms), and a CORR. (Corridor).
- Right Wing:** Includes a KITCHEN, DR. (Dormitory), STOR. (Storage), and REC. (Recreation) area.

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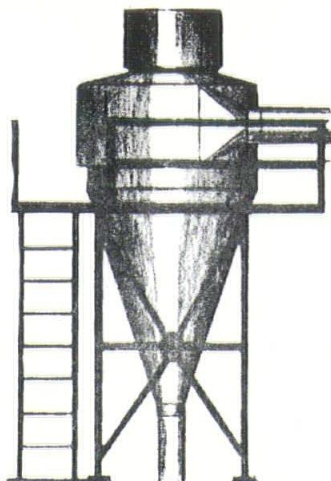
OWNERS: BUILDING SEVEN ASSOCIATES

Photos by J. Alexander

BUILDING SEVEN is located in the Washington Science Center complex in Rockville, Maryland, on Executive Boulevard near Old Georgetown Road. It was built as speculative office space and is leasing well as it nears completion.

This is the seventh building to be constructed in the development of the Washington Science Center and consists of ten stories with 216,000 square feet gross area and 175,000 square feet of net rentable. It is easily accessible from the Capital Beltway and Route 70S and approximately 1,000 feet from the proposed cross-county freeway.

The structural system consists of post-tensioned concrete slabs supported by poured-in-place concrete columns on a 22' x 22' structural grid. Exterior columns are covered with architectural precast concrete which matches the white poured-in-place canopy. The curtain wall consists of 1/4" solar bronze glass, glass spandrels, and bronze anodized aluminum mullions. The exterior wall of the first two floors



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is set back approximately twelve feet and consists of floor to ceiling glass.

The Washington Science Center can accommodate approximately one million additional square feet of office space. The next building of the series is now in working drawings and is scheduled for construction this spring.

Subcontractors & Suppliers

Savoy Construction Co., Inc., Silver Spring, Md., general contractor, carpentry; Excavation Construction, Inc., Washington, D. C., excavating; Bernstein Concrete Corp., Silver Spring, Md., piling, foundations & concrete; Maryland Cast Stone, Rockville, Md., precast concrete; American Masonry Co., Kensington, Md., masonry; Adams Fabricated Steel Corp., Washington, D. C., steel & roof deck; Maryland Steel Erectors, Inc., Clinton, Md., steel roof deck; Max Greenwald & Son, Inc., Bladensburg, Md., roofing; Washington Plate Glass Co., Inc., Washington, D. C., glazing; and, Vogue Decorators, Kensington, Md., painting.

Also, Antonio Troiano Tile & Marble Co., Inc., Beltsville, Md., structural (glazed) tile & ceramic tile; Bethesda Asphalt, Bethesda, Md., waterproofing; Russell L. Barton Drywall & Plastering, Inc., Vienna, insulation, acoustical & plaster; Southeastern Floor Co., Inc., Bethesda, Md., resilient tile; City Steel Door Co., Bethesda, Md., steel doors & bucks; American Electric Co., Inc., Silver Spring, Md., lighting fixtures & electrical work; Smith Empire Corp., Rockville,



Md., plumbing fixtures, plumbing; Harvey W. Hottell, Inc., Rockville, Md., air conditioning, heating & ventilating; Westinghouse Electric Corp., Washington, D. C., elevator; and, Beck-Guttman, N. Y., N. Y., hardware.

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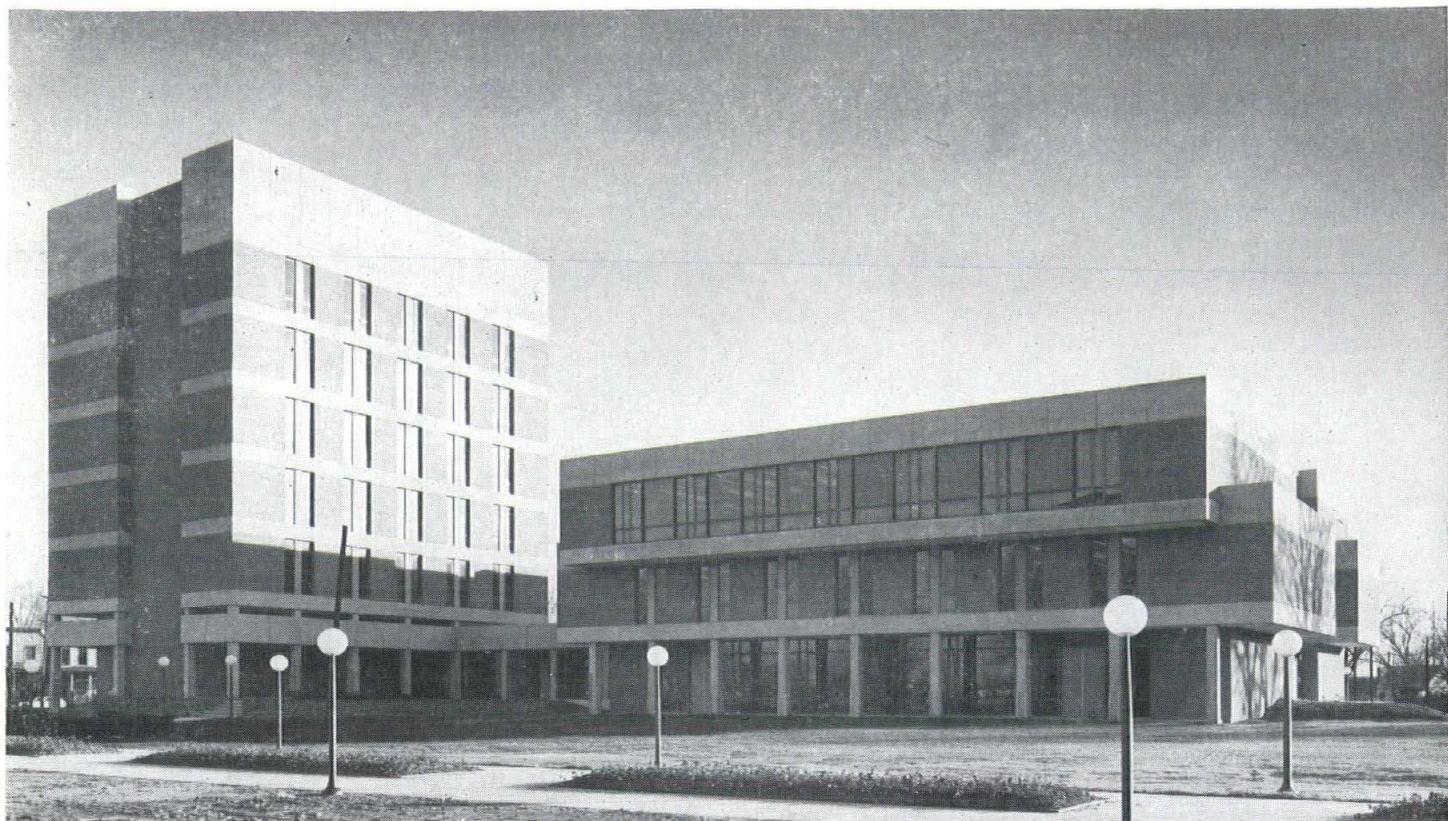
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NORFOLK STATE COLLEGE FINE ARTS BUILDING

THE Norfolk State College Fine Arts Building is the first and major increment in the development of a comprehensive center to accommodate the College's expanding music and arts programs. The building consists of a complex of elements joined by a single story gallery which provides a central point of access and control and accommodates administrative offices, lounge and exhibition galleries. The principal building entrance opens to a paved berm which extends north between and beyond the music tower and arts wing toward the central campus pedestrian mall. The Department of Music occupies a six-story tower containing music practice rooms, studios, and classrooms. A Music Library is expressed as an articulated building element on the east side of the sixth floor. Choir and band rehearsal rooms with robe and instrument storage rooms form single story elements adjoining the base of the tower. All studios and practice rooms are designed for acoustical isolation.

The Department of Fine Arts occu-

pies a three-story wing served by an offset double loaded corridor. Principal studios face the north, with activities involving heavy floor loads such as sculpture and ceramics located on the ground floor. Storage and service areas are in a center core area and classrooms and offices open to the south. The ground floor studios, protected by a colonade and deep building overhangs, open to a sculpture court.

A future Concert Hall is planned to adjoin the central gallery on the south and will include organ practice rooms, full concert stage and seating for approximately 500.

The Fine Arts Building is designed as a reinforced concrete framed structure with floors and roof developed as two-way bay systems utilizing 30 inch pans on 36 inch centers. Art studios and gallery areas utilize the exposed concrete pan system for finished ceilings. Choir and band rehearsal areas are single-story wall bearing elements with steel joist roof systems. Columns, grade beams, spandrels and parapets

are exposed concrete with a light sandblast finish and expressed snap tie holes. Exterior walls are of brick and masonry block cavity construction. Windows are bronze tinted glass in bronze duranodic finish aluminum frames. The building is air conditioned by a combination of dual duct high pressure systems, multi-zone low pressure air systems and single zone low pressure air systems divided into four major functional zones.

Subcontractors & Suppliers
(Norfolk firms unless noted)

W. H. Belanga & Associates, Inc., general contractor, excavating, foundations, concrete, masonry, carpentry, waterproofing & weatherstripping; Welch Pile Driving Corp., Va. Beach, piling; Tidewater Steel Co., Inc., Va. Beach, steel & steel roof deck; E. Caligari & Son, Inc., sandblast finish; The Ceco Corporation, steel dome forming; Fowler Roofing Co., Inc., roofing; Ferrell Linoleum & Tile Co., stone work & ceramic tile; Withers Clay Utley, windows; Commonwealth Equipment Sales

CREDITS:

FRAIOLI-BLUM-YESSELMAN
ASSOCIATES, INC.
CONSULTING ENGINEERS, STRUCTURAL

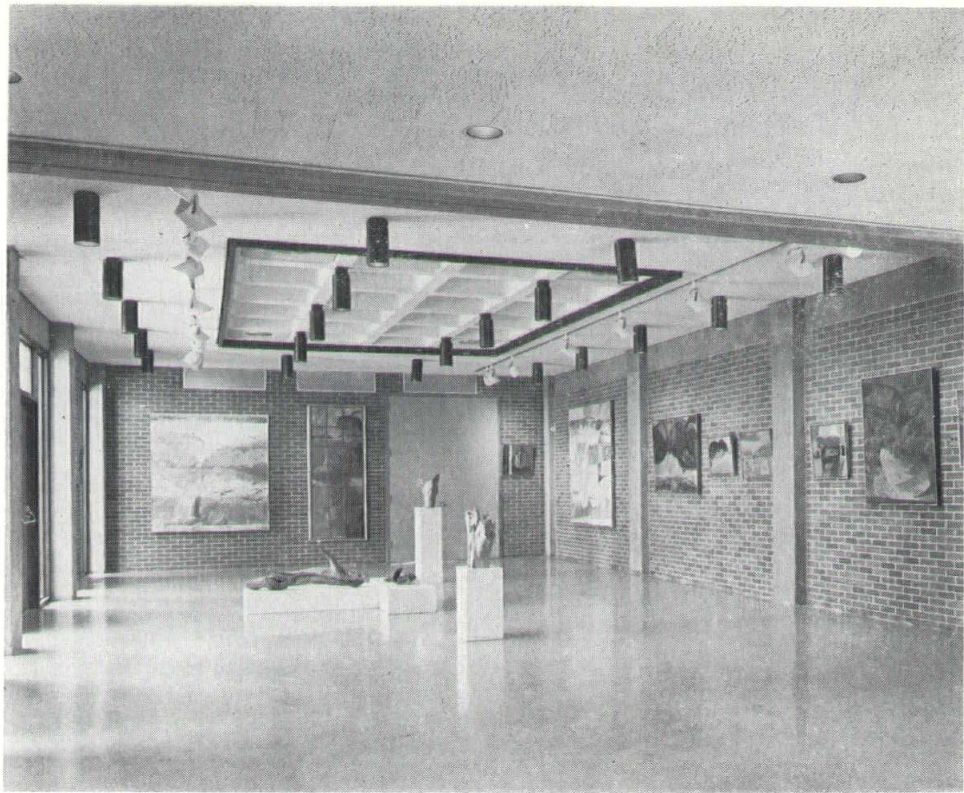
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Photos by
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of Va., Inc., fire extinguishers & cabinets; W. R. Hall, Jr., stripping & clearing; and, Walker & Laberge Co., Inc., glazing.

Also, J. H. Steen & Sons, Inc., Portsmouth, painting; John H. Hampshire, Inc., demountable partitions; Lyon Metal Products, Inc., metal lockers; Modern School Equipment, Inc., Richmond, chalk and tack boards; A. D. Stowe, Portsmouth, insulation & plaster; Manson & Utley, Inc., acoustical; Grover L. White, Inc., resilient tile; Roof Engineering Corp., Tectum roof deck; Seaboard Paint & Supply Co., Inc., toilet accessories & drapery track; Carl D. Terry Co., Va. Beach, caulking; Miller Manufacturing Co., Inc., Richmond, millwork & handrails; Hall-Hodges Co., Inc., steel doors & bucks; Ocean Electric Corp., lighting fixtures & electrical work; Kohler Co., Kohler, Wisc., plumbing fixtures; Harry M. Brown Co., plumbing fixtures, plumbing, air conditioning, heating & ventilating; Westinghouse Electric Corp., elevator; Door Engineering Corp., hardware; and, Consolidated Kinetics Corp., Columbus, Ohio, acoustical insulation.



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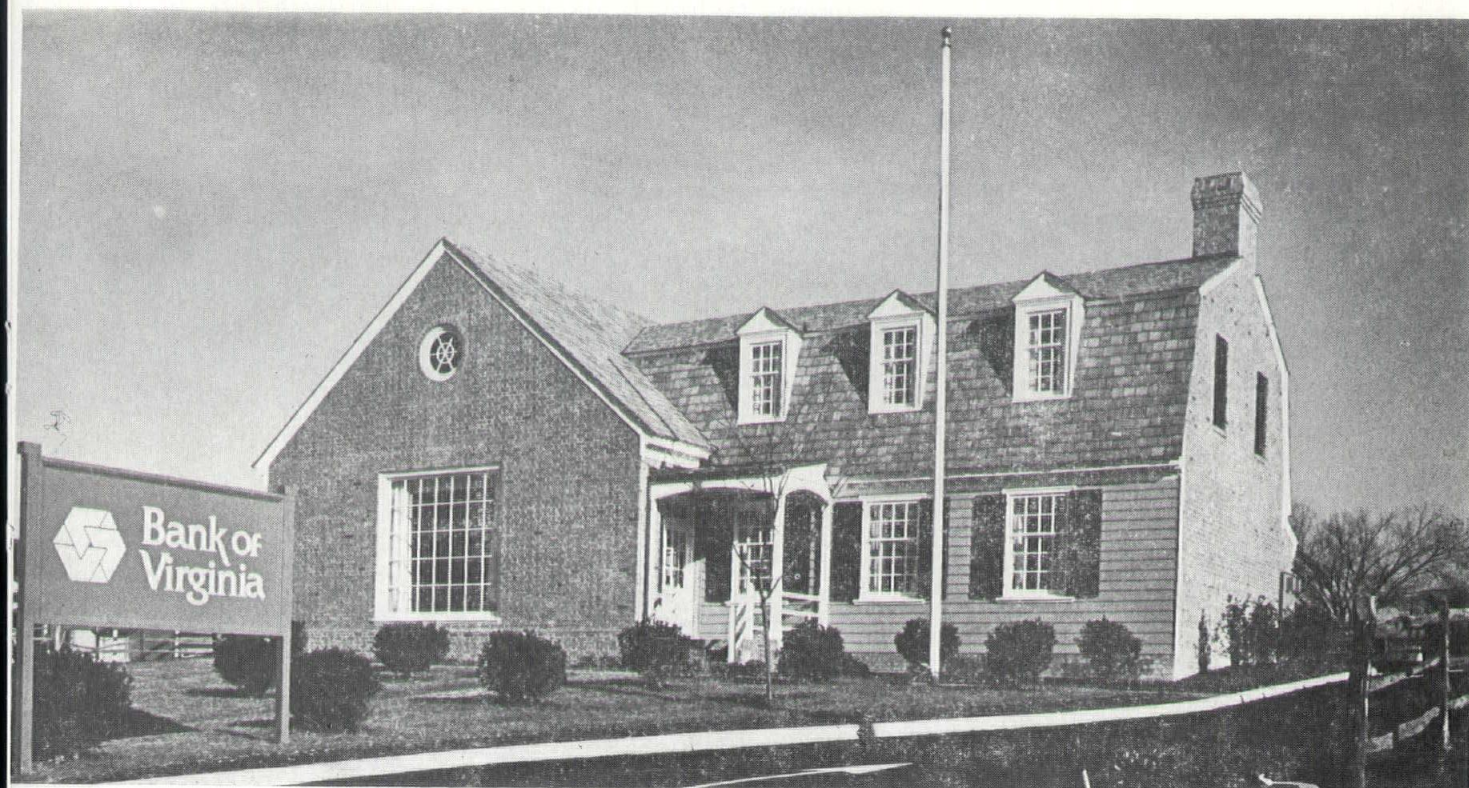
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36TH BRANCH OFFICE
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Bank of Virginia

BANK of Virginia's new Westhampton office is the latest addition to a rapidly expanding and attractive business area in Richmond's West End. The two-story building, which is of a Williamsburg design, is located at 315 Libbie Avenue, just off of Grove Avenue.

The building was designed by Budina, Freeman & Beckwith, of Richmond. Both architects and bank officials made a special effort to develop an attractive Williamsburg-style building which would be compatible with the neighboring residential and commercial area.

The brick and frame structure features a picture window on the main floor and includes three dormers on the front of the second floor level. Handmade oversize Colonial brick and a dark shake shingle roof are part of the architectural features portraying an 18th century scheme.

General contractors of the building

were Davis & Spiers, Inc., of Richmond, who broke ground in late July and met the Christmas deadline for completion. The bank held its Grand Opening on Saturday, December 18, 1971. A ceremony featured the lighting of the Christmas tree by Mrs. Thomas J. Bliley, Jr., wife of the mayor of Richmond.

The interior of the building contains some 3,000 sq. ft. in area. Special features of the lobby "waiting area" include a Colonial mantel and a "working" fireplace. Bank fixtures are of distressed wood and marble in an antique finish and compliment the two-tiered brass chandelier which is 65" in diameter.

Facilities of the full-service office include a drive-in window and a large customer parking lot. The landscaping carries out the Colonial theme of the building by use of brick walks and a formal planting scheme.

The Westhampton office marks the

Bank of Virginia's 23rd location in the Richmond area and brings the bank's statewide coverage to a total of 36 offices.

Subcontractors & Suppliers
(All Richmond firms)

Davis & Spiers, Inc., general contractor; P. E. Eubank & Co., foundations & concrete; Southern Brick Contractors, Inc., masonry; Liphart Steel Co., Inc., steel; R. Willison Roofing Co., roofing; and H. Beckstoffer's Sons, windows, structural wood, carpentry & millwork.

Also, James G. Day, painting & plastic wall finish; W. K. Hawkins Engineering Co., insulation; Fendley Floor & Ceiling Co., acoustical & resilient tile; Central Electrical Service Corp., electrical work; Capital Mechanical Contractors, Inc., plumbing fixtures, plumbing, air conditioning, heating & ventilating; Pleasants Hardware, hardware; and, F. Richard Wilton, Jr., Inc., drywall.



Norfolk State College Life Sciences and Chemistry Building

THE life sciences and chemistry building for Norfolk State College has been developed as a three-story structure to accomplish several important design objectives; to permit stacking of similar laboratories in order to simplify vertical fresh air intake, fume hood exhaust and utility systems; to reduce consumption of valuable land without imposing necessity for passenger elevator service; and, to effect economy of construction.

The biology and chemistry laboratories have been developed as clustered units containing 12 and 18 laboratories respectively. Where appropriate for functional reasons, laboratories are paired to be served by a single preparation room. These clustered units of laboratories are grouped around central storage, elevator, stair, and toilet facilities and are linked on

the ground level to the lecture auditorium and planetarium. The physics unit, proposed to be located to the south of the present structure, will place the lecture auditorium and planetarium in a central position to serve all departments. The central location for the auditorium and planetarium, in accordance with program requirements, will facilitate their use by non-departmental groups and visitors without disrupting normal departmental activities.

A major influencing factor in the development of the building form is the expressed air intake shafts and the requirements for vertical stacking of fume hood exhausts. This arrangement incorporates the desirable feature of providing fresh air intakes close to the ground and exhausting the foul air above the roof level. The live animal



CREDITS:

CONSULTING ENGINEERS:

FRAIOLI-BLUM-YESSELMAN
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STRUCTURAL

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LANDSCAPE

INTERIOR DESIGN
BY THE ARCHITECTS

W. B. MEREDITH, II, INC.
GENERAL CONTRACTORS

Photos by Fred Habit Studio

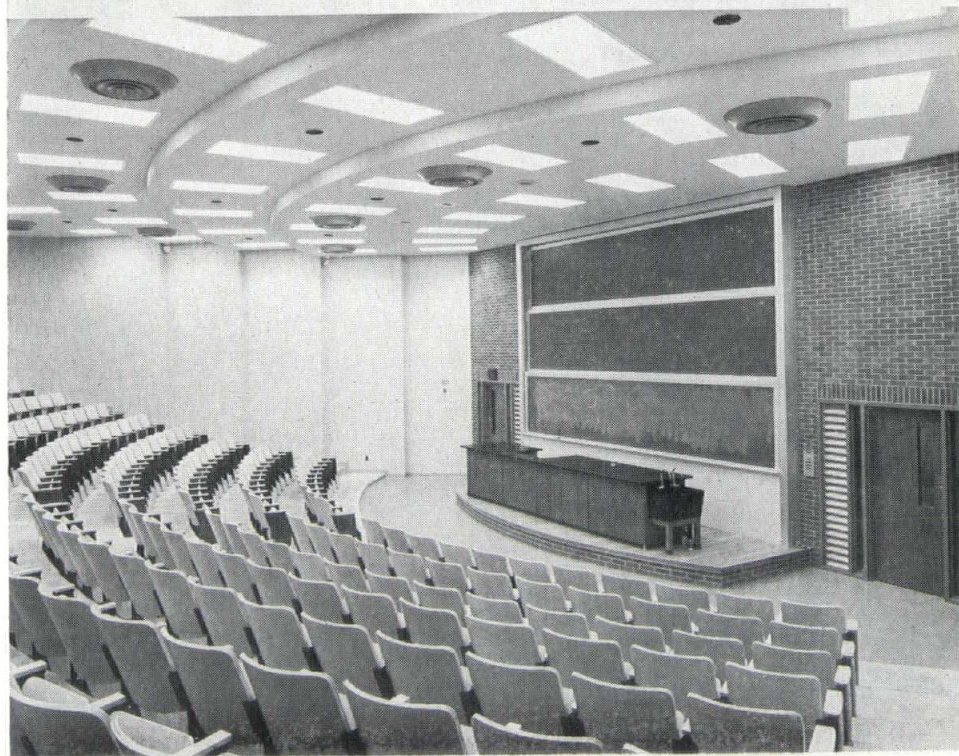
room is located on the fourth floor to reduce odors and noise within the building.

Building materials have been selected for compatibility with existing campus structures and to minimize building maintenance. Ceilings of all laboratories and classrooms are exposed reinforced concrete pan systems. This design, coordinated with utility penetrations and lighting fixtures, provides, in addition to design and acoustical advantages, full access to all laboratory utility connections.

Subcontractors & Suppliers (Norfolk firms unless noted)

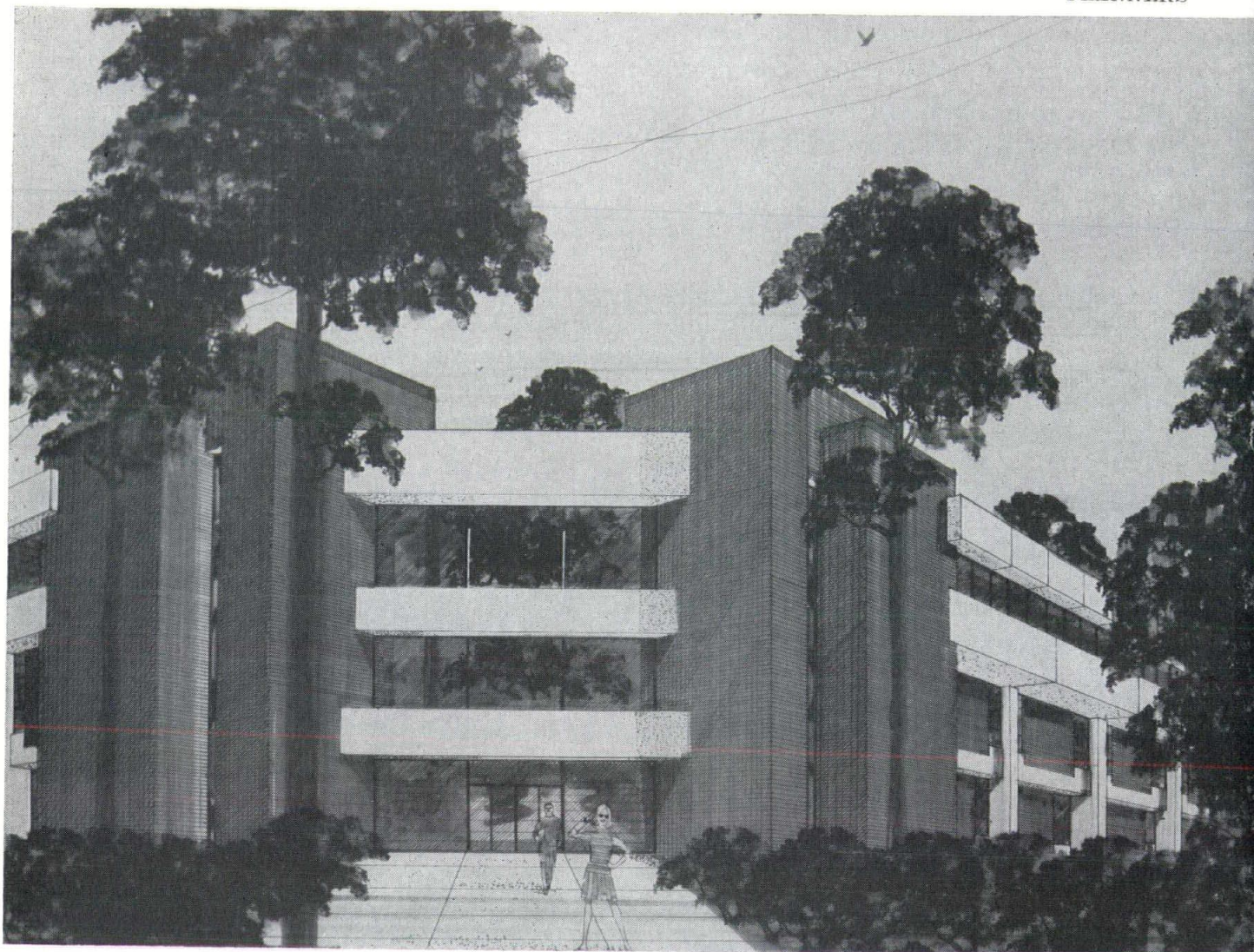
W. B. Meredith, II, Inc., general contractor, excavating; M. R. Welch Co., Inc., Va. Beach, piling; Stafford & Gammon, Inc., grading & seeding; Birsch Construction Corp., paving; Snow, Jr. & King, Inc., masonry; Tidewater Steel Co., Inc., structural & miscellaneous steel, metal deck & joist; Winn Nursery, Inc., planting; American Sheet Metal Corp., roofing & sheet metal work; Lone Star Industries (Southern Block & Pipe), precast stone; Walker & Laberge Co., Inc., windows & glazing; Door Engineering Corp., rolling grilles & rolling doors; and, E. Caligari & Son, Inc., painting.

Also, Howard E. Marquart & Co., louvers; Ferrell Linoleum & Tile Co.,



insulation & acoustical work; Febre & Co. of Norfolk, Inc., plaster & drywall; Grover L. White, Inc., ceramic tile & terrazzo; John H. Hampshire, Inc., resilient tile; Flowers School Equipment Co., Inc., seating; Steel Products, Inc., steel lockers; Korok, chalkboards & tackboards; Spitz Laboratories, Inc., Chaddsford, Pa., planetarium; Main-

tenance Electrical Co., Inc., Va. Beach, electrical work; Parker-Sparks, Inc., Va. Beach, plumbing; Norfolk Air Conditioning Corp., air conditioning, heating & ventilating; L. F. Chiselbrook, elevator; Door Engineering Corp., metal toilet partitions & operable wall; and, C. E. Thurston & Sons, Inc., Van Packer smoke stack.



Northern Virginia Community College

EASTERN CAMPUS—ALEXANDRIA

HILL & KIMMEL, INC. — GENERAL CONTRACTORS

THE Eastern Campus of Northern Virginia Community College, which has been designated a model campus by the Virginia Department of Community Colleges, has been designed by LBC&W (Lyles, Bissett, Carlisle & Wolff) Associates of Virginia, architects-engineers-planners.

One of five satellite campuses, it is located on the boundary between the City of Alexandria and Fairfax County. There are five construction phases scheduled at two-year intervals for the Eastern Campus which will ultimately contain 500,000 square feet of education space and parking for 4,500 cars, serving 10,000 students.

Phase one, presently under construc-

tion, consists of 120,000 square feet of educational space in a "triangular look," four-story structure. One thousand parking spaces will also be made available in this phase for the existing student body of more than 3,000.

The first floor will have a student center which includes activity rooms, snack bar and lounge area. Also on the first floor will be a book store, musical rehearsal rooms and combined classrooms-lecture halls.

Housing the heart of the college will be the second and third floor resource center. This area will include the library, media support center and learning laboratories, integrated with faculty divisional offices and counseling

rooms. The intermingling of faculty in the learning area provides students with the opportunity to consult with faculty. These faculty offices will utilize office landscaping rather than walled off cubicles for each individual. This landscaping involves arrangement of office furniture in an open area in such a way as to form walking patterns between offices. There are no walls, just demountable, self-supporting partitions, usually screens, which divide the offices.

The third floor will also contain such supporting services as taping equipment, audiovisual classrooms and duplicating systems. Classrooms will be dispersed throughout.

Activities which require long hours of work—such as “opened and combined” science laboratories, business science rooms, typing and data processing, drawing, drafting and art laboratories, will be on the top floor.

The utilization of space, which is expected to set the model for state community colleges in the future, will maximize learning opportunities on an individual level. Expansion may take place without disrupting the learning process.

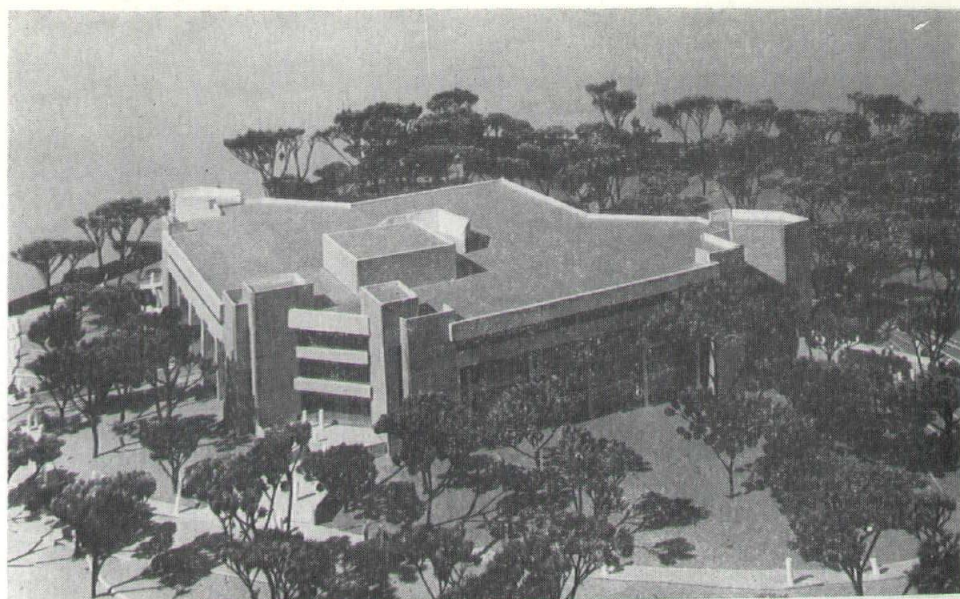
Flexibility was the main requirement for interior space planning to accommodate instruction innovation rather than confinement by administrative limitations and rigidly committed space. All laboratories (physics, chemistry and biology) share one large space, so that maximum flexibility, high space utilization and minimum supervision are accomplished as well as the opportunity for individualized work by students while the space is being used in a scheduled lab session. All fixed spaces, such as restrooms, are located at the exterior and corners. Even corridor locations are not fixed, so that any future change can quickly be accommodated. Student lounges are located as explosions of space at the intersection of horizontal and vertical circulation paths. Exterior ramps from the parking areas enter the second floor directly, bypassing the heavy traffic of the student centers and creating a three story solution for most basic school functions.

The total campus plan will include a main complex in a jagged U-shape, to be developed in stages but ultimately comprising a continuous mega structure.

Additional classrooms on all levels will be added in the second phase, as well as physical education facilities and locker areas on the first floor and additional student activity space and faculty offices for the learning resource center on the second floor. The third floor of the second phase will be devoted totally to expanding the learning resource center and classrooms. On the fourth floor will be additional art studios, interior design studios, student lounge and classroom facilities.

Phase three will add large lecture classrooms on the first floor; expanded learning resource center and music rehearsal rooms on the second floor; more classrooms, educational technology and music practice rooms on the third floor; and more classrooms and science labs on the fourth floor.

The building will be poured-in-place concrete with exposed sand blasted concrete spandrels and oversized thru



wall brick unit infill. Windows are stock steel sections or shop fabricated steel angle frames with glazing gaskets. All glass is tinted plate glass. Interior finishes are primarily drywall on metal studs, suspended acoustical tile, carpet and vinyl tile. Air conditioning and lighting are integrated with the ceiling system by using slot diffusers and lay-in light fixtures.

The deep ravine which penetrates the center of the site becomes a natural element to preserve as a wooded pedestrian outdoor lounge. The mega structure will be wrapped around the edges of the ravine, thereby utilizing as little parkable site area as possible and will create a wall between the natural environment of the ravine park and the parking areas on the opposite side of the buildings. This also will divide the remaining site into a series of different parking areas wrapping three sides of the ravine and will place the building at the high point of the site dominating an unobstructed view up the ravine from Beauregard Street, the major frontage of the site.

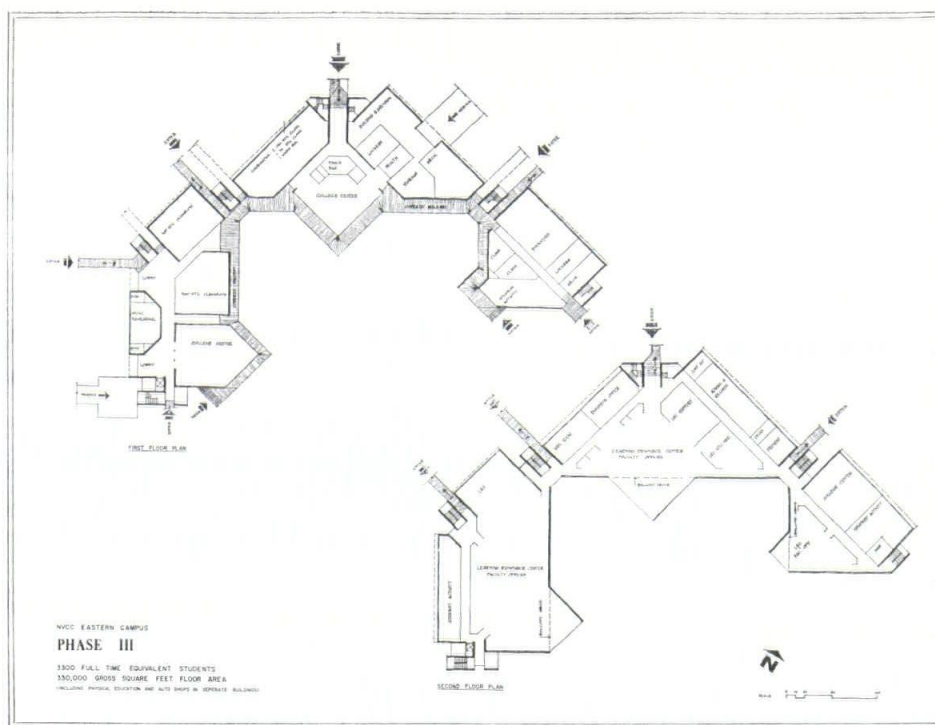
A multi-story parking structure will develop with the third phase. Automotive shops will be incorporated in the lowest level of the parking structure, and roof areas will be utilized as outdoor playfields with artificial turf. An air structure over part of the roof will house the indoor physical education.

LBC&W Associates of Virginia also designed the first campus, Central Campus, which is located near Annandale, and NVCC Western Campus in Manassas, has recently been master planned by LBC&W Associates under the concepts similar to the Eastern Campus.

Subcontractors & Suppliers

Hill & Kimmel, Inc., Silver Spring Md., general contractor, concrete & concrete work; Davenport Insulation, Inc., Falls Church, building insulation; Madison Decorating Co., Kensington, Md., painting & special coatings; Graham, Van Leer & Elmore, Washington, D. C., folding partitions (Torgeson, Inc.); Modern School Equipment Co., Inc., Richmond, chalk & tack boards; Lyon Metal Products, Inc., Alexandria, lockers; and Montgomery Elevator Co., Rockville, Md., elevator.

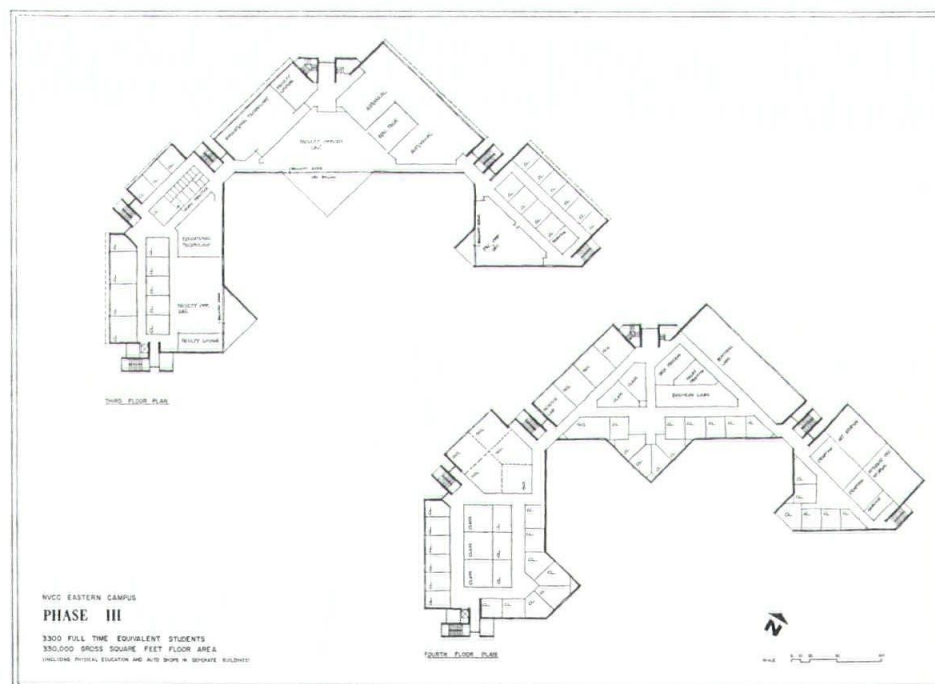
Also, Arber Construction Co., Inc., Wheaton, Md., excavation; R. G. Griffith, Inc., site utilities; Trowbridge Steel Co., Inc., Leesburg, fabrication of reinforcing steel; John H. Hampshire, Inc., Bladensburg, Md., insulat-



ing concrete; Pick Masonry Co., Inc., Hillcrest Heights, Md., masonry; and American Iron Works, Inc., Bladensburg, Md., miscellaneous metal.

Others were: Arlington Woodworking & Lumber Co., Inc., McLean, millwork; Prospect Industries, Inc., McLean, waterproofing, dampproofing & membrane waterproofing; Virginia Roofing Corp., Alexandria, roofing & sheet metal, roof accessories, roof insulation; Capitol Products, Inc., Washington, D. C. (Bayley Windows), steel windows, including specials & erec-

tion; Southern Plate Glass Co., Washington, D. C., glass & glazing; J. B. Kendall Co., Washington, D. C., finish hardware; Franklin Marble & Tile Co., Capitol Heights, Md., ceramic tile, terrazzo & stone; David Compe & Son Inc., Arlington, lath & plaster; Anning-Johnson Co., Alexandria, acoustical tile; Klon O. Row, Inc., Washington, D. C., toilet partitions; John A. Quinn, Inc., Washington, D. C., plumbing, heating, ventilating & air conditioning; and, Kennedy Electric Co., Inc., Rockville, Md., electrical



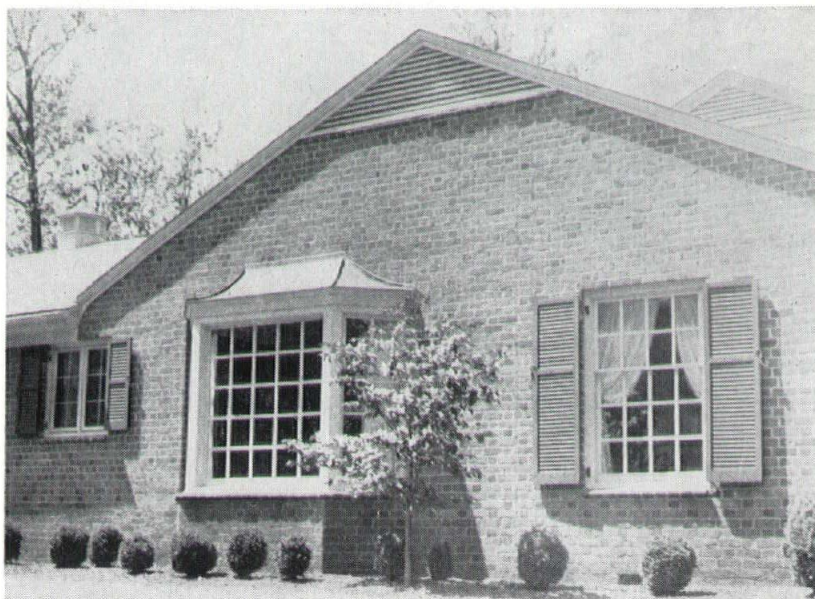
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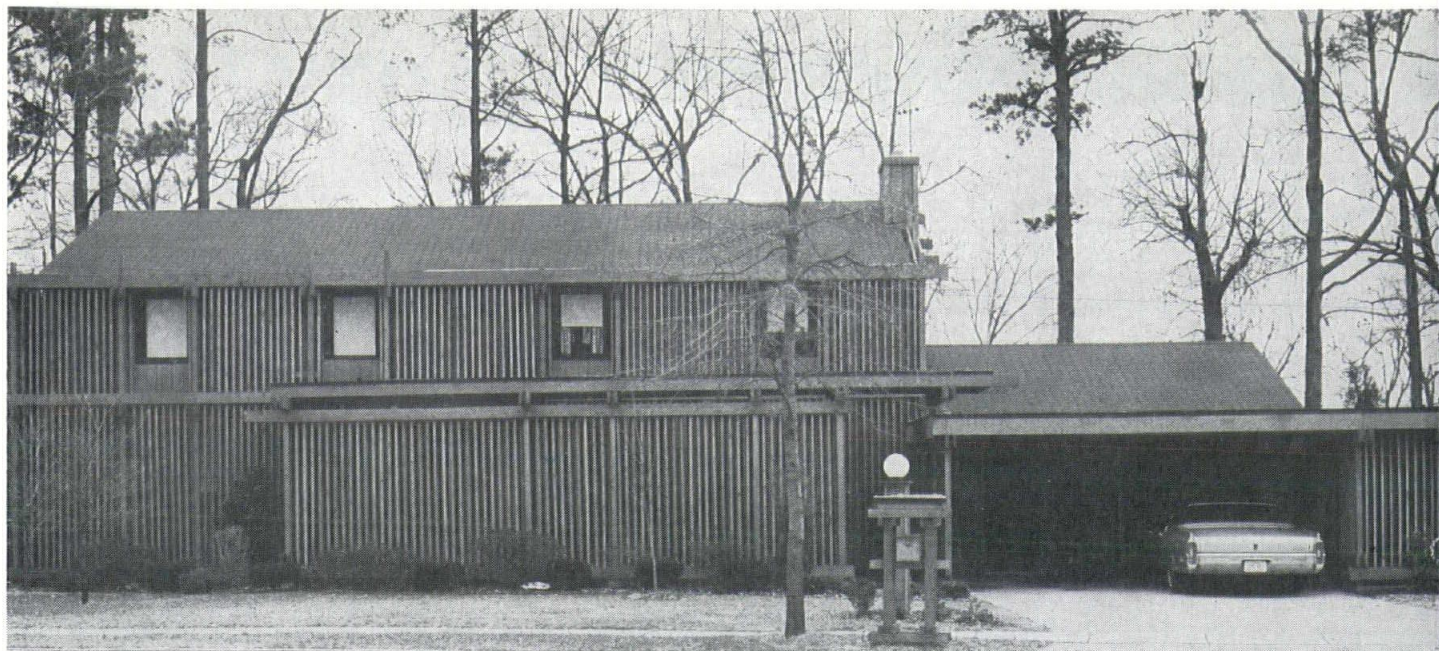
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The Remodeled House

Alterations & Additions to Slone Residence - Norfolk

THE Slone Residence is located in a very desirable neighborhood on the water, but it was a very poorly designed "builder's house" with absolutely no esthetic appeal.

When the present owners decided to buy the house it was with the idea of immediate remodeling.

The Architect's commission was to transform this "Ugly Duckling" into an appealing structure. The new own-

ers did not care for the brick exterior and it was decided to construct a wood screen in front of it. In conjunction with this screen a new covered entrance was designed.

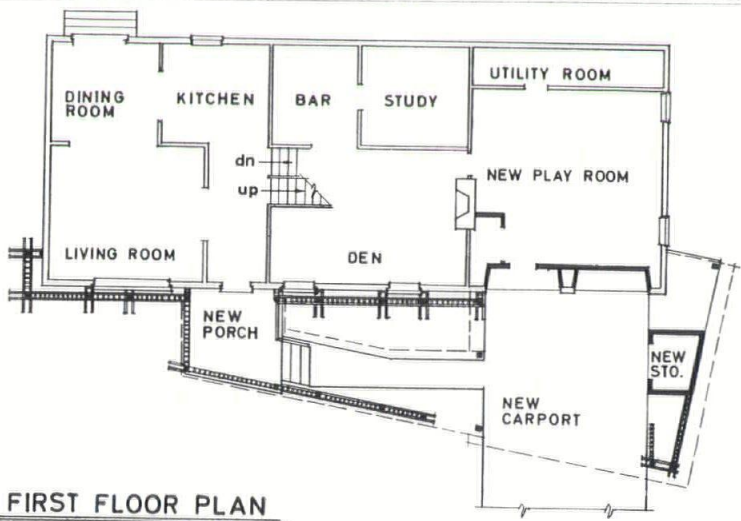
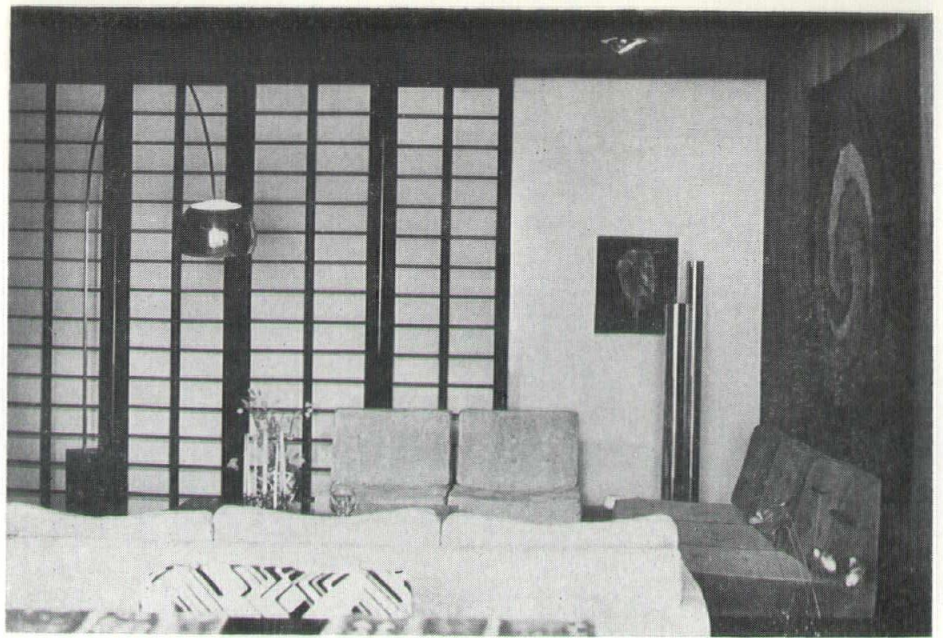
The existing garage was converted into a playroom and a new carport was constructed. The reason for the angular front was the setback limitation imposed by the zoning ordinance. Because of this setback limitation the carport would have been rather shallow. To combat

this undesirable situation, approximately three feet of space was borrowed from the existing garage. A covered walk connects the carport with the entrance.

The small pane windows on the second floor were replaced with casement type sash. There were no other major alterations done inside the house but it was completely redecorated by the owner including the installation of new light fixtures.

The Original House

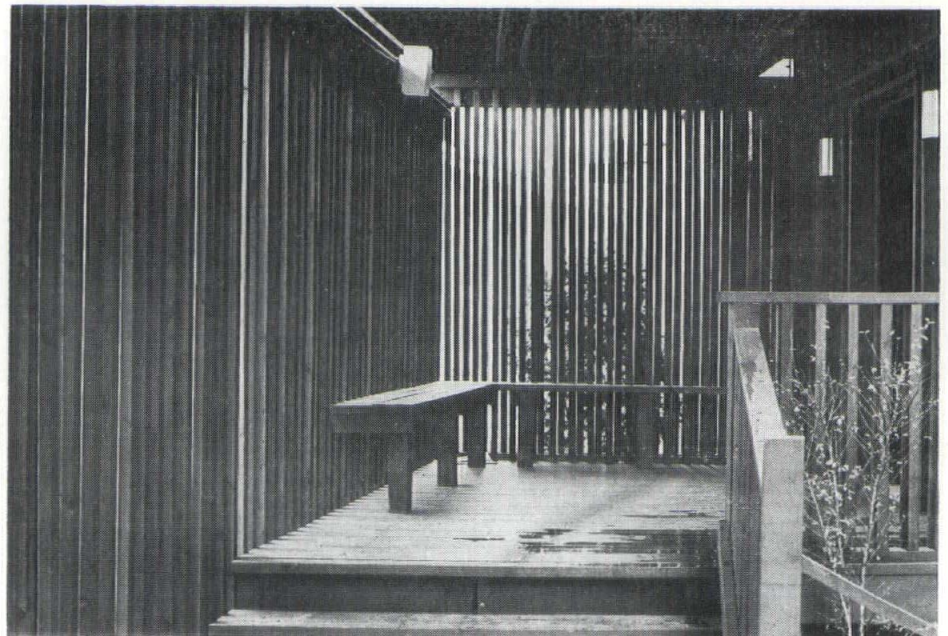




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Photo by Fred Habit Studio

THE Lone Star Cement and Southern Materials Block and Pipe Office Building is designed as a two story structure with a full basement to accommodate general office and administrative activities.

The building site, a gently sloping wooded area, provides a natural landscaped setting for the building and parking areas. East of the main entrance area, the lower side of the site has been developed as a reflecting pool. The building is omnifacial and symmetrical around its entrance axis. It is sited on a landscaped earth berm

which provides a transition to undisturbed natural grades.

Products of Lone Star Cement and Southern Materials Block and Pipe were employed in the basic elements of the building design. The building floor system utilizes 6'-0" wide double-tee precast concrete units bearing on concrete masonry unit walls and a precast concrete primary beam system. The exterior of the building is faced with full height precast concrete panels of double-tee design with exposed quartz aggregate finish. Windows are

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The building is heated and air conditioned from a central station low pressure air handler located in the basement. Individual room control is provided by electric terminal reheat coils.

Subcontractors & Suppliers
(Norfolk firms unless noted)

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T. Stowe, Inc., Portsmouth, masonry; Tidewater Steel Co., Inc., Va. Beach, steel & steel roof deck; Lone Star Industries (Southern Block & Pipe), prestressed concrete & cast stone; Roof Engineering Corp., roofing; R. F. Trant Distributing Co., windows, glazing, steel doors & bucks; and, Campostella Builders & Supply Corp., Chesapeake, carpentry, paneling, millwork & hand-rails.

Also, E. Caligari & Son, Inc., painting; Eastern Electric Corp., kitchenette unit; Manson & Utley, Inc., acoustical; A. D. Stowe, Portsmouth,

plaster; Grover L. White, Inc., ceramic tile; Carl D. Terry Co., Va. Beach, caulking; Howard E. Marquart & Co., metal toilet partitions; Modern School Equipment, Inc., Richmond, tack-board; Door Engineering Co., steel doors & frames; General Electric Co., Inc., lighting fixtures & electrical work; Princess Anne Plumbing & Electric Suppliers, Inc., Va. Beach, plumbing fixtures, plumbing, air conditioning, heating & ventilating; Seaboard Paint & Supply Co., Inc., hardware; and Mosler Safe Co., Inc., file storage vault door & frame.

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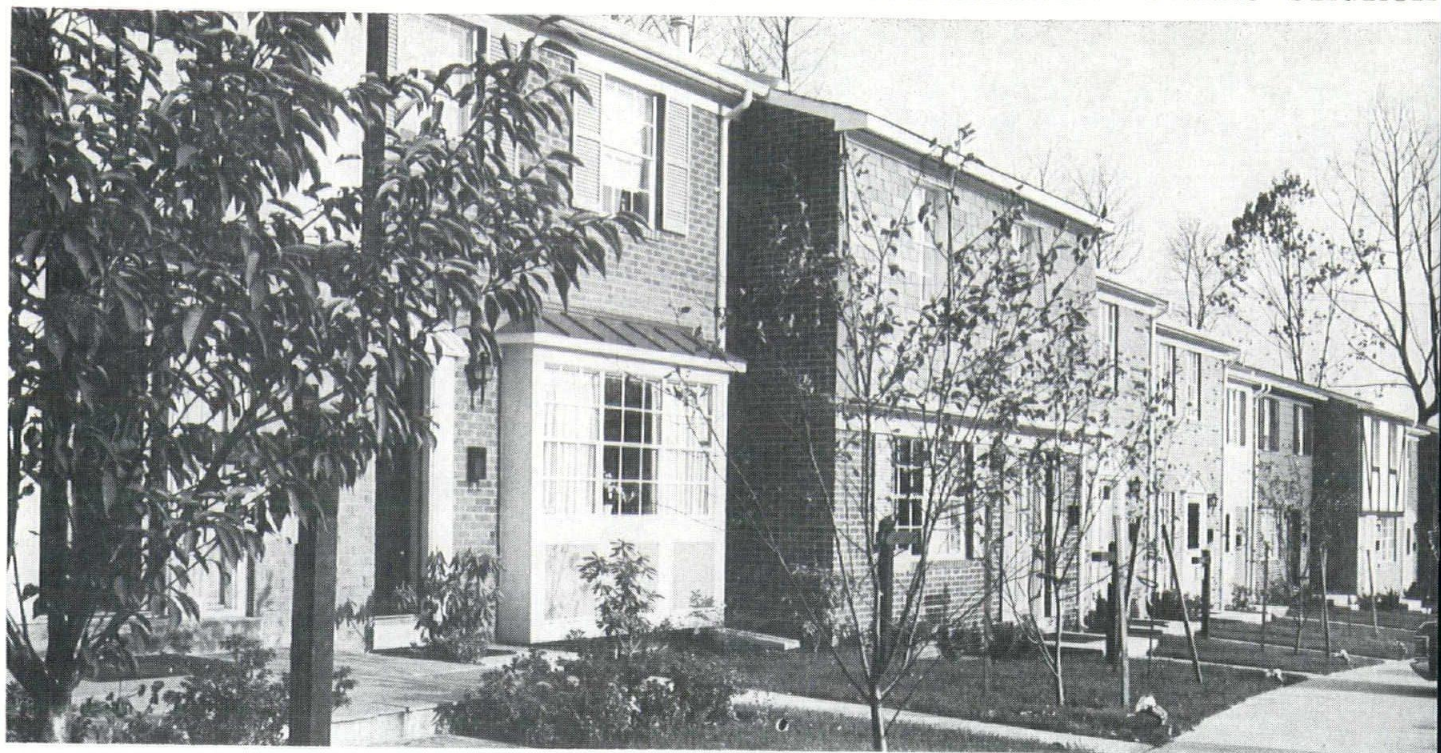
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Townhouse Community of Pinewood Greens

PINEWOOD Development Corporation is finding that a unique combination of quality townhouses and America's favorite leisure pastime is bringing rapid sales to their new Pinewood Greens in Fairfax County. The concept of relating modern suburban living to an adjacent 18-hole public golf course has met with such success that all 122 townhouses in the first phase of construction are projected to be sold out in the first nine months and Pinewood Development has been given approval for a larger, second section.

Barkley Pierce Associates of Falls Church, has designed Pinewood Greens with a maximum utilization of open space and green areas to complement the atmosphere of suburban leisure represented by the golf course, with the result that the two facilities blend compatibly with each other. Private property merges invisibly with the common ground of the townhouse community which—in turn—borders the expansive fairways.

The development further enhances the environment with its landscaped "town square," featuring benches and playground equipment, in the community's center. And such street names as Hogan Court and Snead Drive accent the atmosphere of suburban relaxation and recreation.

The architects were directed to plan the community in such a way as to preserve as much of the existing natural cover as possible. This effort was augmented by extensive professional landscaping. In all, forty percent of the total Pinewood Greens area is used for open space or parks.

Townhouses at Pinewood Greens feature three bedrooms and 2½ baths. The design includes within each home

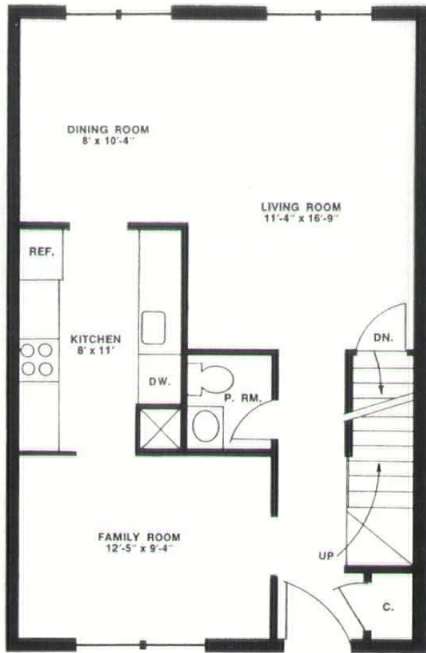
a large, glass sliding door, which carries the open space concept right into the homeowner's living room.

Each kitchen features a spacious "walk-in" pantry and is equipped with General Electric dishwashers, refrigerators and garbage disposals, and gas ranges. Gas also is used for the forced air central heating and air conditioning systems.

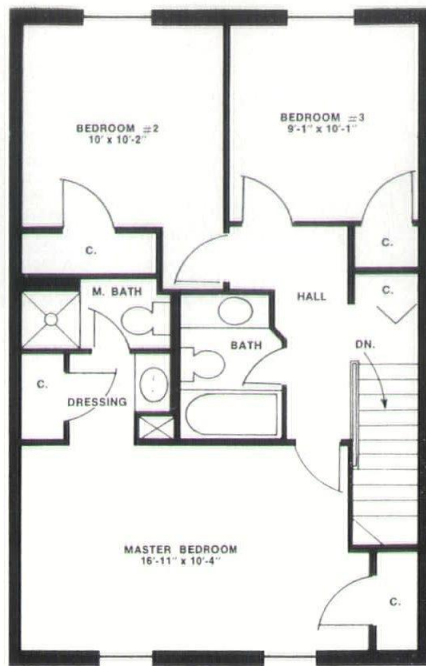
Basements provide space for



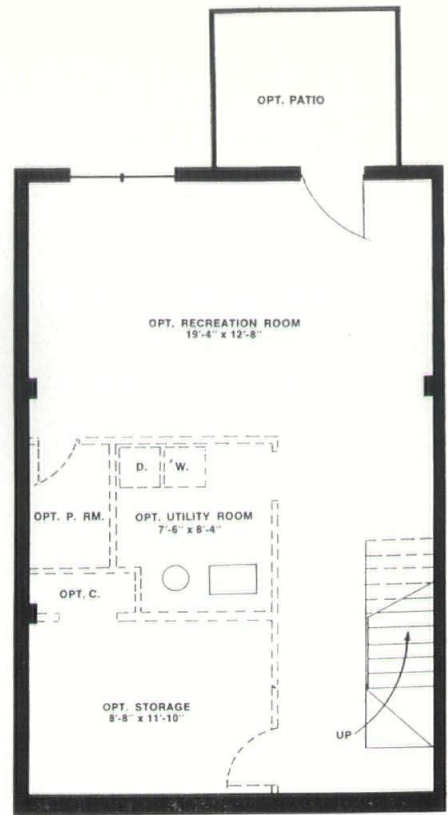
Dimensions shown on these floor plans are approximate and subject to change.



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laundry area and a fourth bedroom or den. About sixty percent of the units feature walk-out lower levels. Literally hundreds of optional combinations allow the home buyer to "personalize" his Pinewood Greens home. Among the available options are patios, privacy walls, outdoor barbecues and laundry room and appliances.

The developer has contracted with Community Management Corporation to establish a community association in

Pinewood Greens. Eventually, the association will be entirely resident-controlled and homeowners will be able to maintain a unified voice in solving community problems. Other attractive advantages are derived from association membership, including the availability of comprehensive homeowners' insurance under a group plan at substantially reduced rates. Most important, however, to Pinewood Development Corporation is the belief that the community organization will foster a cohesiveness among the residents which will preserve the high quality of the development.

Pinewood Greens townhouses sell in the \$33,000 price range. The developer has received a loan commitment for every qualified purchaser and offers a wide variety of financing plans.

Barkley Pierce Associates and Pinewood Development Corp. are currently formulating plans for the recently-approved Pinewood Greens expansion. New features for the entire community will include a swimming pool and an expanded playground area. Both the architect and the developer anticipate slight construction modifications on the projected 188 additional townhouses and the emphasis will be on improving the already-successful theme.

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Also, Bethesda Asphalt Co., Bethesda, Md., waterproofing; Edward Crider, Alexandria, weatherstripping; Arlington Insulation, Merrifield, insulation; L & M Drywall, Inc., Alexandria, sheetrock; Bucky's Ceramic Landrum, Md., ceramic tile; Builder Floor Service, Inc., Alexandria, resilient tile; Reading Lumber Co., Manassas, millwork & hardware; Custom Metals, Brandywine, Md., handrails; Interstate Electric, Merrifield, lighting fixtures; The Howard P. Foley Co., Washington, D. C., electrical work; American Standard, Wheaton, Md., plumbing fixtures; and, McCrea Equipment, District Heights, Md., plumbing & air conditioning.

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AIA NEWS

(from page 9)

AIA Deplores Plans For Capitol West Front Extension

Senator Edward M. Kennedy (D., Mass.) has strongly supported The American Institute of Architects' opposition to the extension of the West Central Front of the U. S. Capitol, the last remaining original facade of the building.

The AIA recently reiterated its strong disapproval of the March 8 decision by the Commission for Extension of the U.S. Capitol to proceed with plans to extend the West Front of the building by 88 feet. The proposed demolition of the present wall counter to the findings of both the AIA's Task Force on the West Front of the United States Capitol, and a report by the engineering firm of Praeger-Kavanaugh-Waterbury, which was commissioned by Congress to determine the feasibility of strengthening and restoring the West Front in its present setting.

Speaking to the Fifth Annual Public Affairs Conference sponsored jointly by the AIA and the Consulting Engineers Council, Senator Kennedy proposed a full round of public hearings and debate on what he termed the "ominous new plans" of the Commission. The Senator said, "History ought to count for something in the nation's capital . . . We ought to preserve the plans personally selected by men like George Washington and Thomas Jefferson, and respect the work of renowned pioneers of American architecture like William Thornton, Benjamin Latrobe, Charles Bulfinch, and Frederick Law Olmsted." "I, for one, do not believe," Kennedy continued, "that either Congress or the American people are prepared to sacrifice the historic beauty or integrity of their Capitol for want of imagination and a little office space."

The AIA issued the following state-

ment concerning the Commission's decision:

"We deplore the decision of the Commission to destroy the last portion of the original walls of the Capitol. The AIA refuses to accept this decision as irrevocable; we intend to make every effort to prevent the destruction

of part of the nation's heritage. The Institute, which has always been in the forefront of the battle to save the East and West Fronts of the Capitol, will again take a leadership role in marshalling the support of all those concerned in this fight against demolition of the West Front."

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Institute Proposes Community Development Fund

■ The American Institute of Architects has proposed that a Community Development Fund replace the present Highway Trust Fund.

Archibald Rogers, FAIA, speaking for AIA, explained to a congressional subcommittee that a Community Development Fund would be "a funding source at the federal level that would not only be multi-modal in the transportation sense, but would be available

to provide the public infrastructures of all kinds necessary to sustain a high quality of urban and rural life."

"It is not necessary," Rogers, an AIA vice president, said, "to document further the interrelationships between land use and transportation. This has been done very well by the Department of Transportation and others."

"It is far more important for us to focus on how this strong relationship

can manifest itself in governmental mechanisms to achieve the kind of environmental quality we all seek."

Describing the proposal further, Rogers told members of the House Public Works subcommittee on road that "the days of single purpose categorical grants are numbered."

"General and special revenue sharing or block grants are the public funding mechanisms of the future. We see the Community Development Fund as part of this fiscal and institutional reform."

The fund would have a combination of revenue sources, "ranging from quasi-user sources, such as the gasoline tax, to a whole new array of revenue sources one might collectively call 'development fees'."

The fund would have four key characteristics. It would:

- be used to create and repair the public infrastructure of roads, sewers, water mains, and power and utility lines;
- provide planning and capital monies to state and metropolitan governmental units;
- be flexible, allowing local political units to assign their own priorities;
- be strongly supportive of local metropolitan planning and development agencies.

Public Affairs Conference

■ Architects and engineers were urged to design and demonstrate—between now and 1980—a totally new city that serves the needs of its citizens.

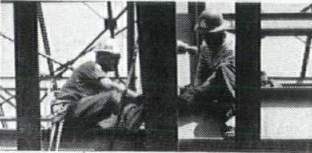
Senator Edward M. Kennedy (D-Mass.) issued this challenge to the nation's design professionals in a speech to 340 architects and engineers attending a Public Affairs Conference sponsored by The American Institute of Architects and the Consulting Engineers Council.

Senator Kennedy, one of 18 members of Congress who spoke at the conference or participated in workshop seminars, said the creation of such a city is a worthy goal for the skilled men and modern technology which have been marking time since the moon race was won.

"Before this decade is up," he told his audience at this fifth annual conference of its type, "let the nation's architects design and demonstrate a totally new city—a citizens' city—which shows us what is possible for all Americans in all cities."

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The Senator described proposed legislation which he said would establish new priorities for civilian science and technology, foster the innovative role of small technical firms, and provide a long-term loan program for retraining jobless scientists and engineers.

Creating jobs and revitalizing the economy—another aim of the Kennedy proposal—was discussed at greater length by Senator William Proxmire (D., Wis.), who assessed the effectiveness of the Administration's price and wage control policies.

Senator Proxmire said the economy has the potential for rapid gains, but still lacks consumer confidence in sufficient measure. He called for new programs of job training, abandonment of most of the Phase II wage and price controls, and a guaranteed reasonable mortgage rate to spur housing activity.

In the Senator's view, "massive union strength" and "big corporations" already have the power to determine wage and price levels. For this reason, he said, the Administration should focus its attention on these influential organizations and leave smaller competitors free to compete.

Representative Jack Brooks (D., Texas) told the architects and engineers they should mount a bipartisan effort to convince Congress that competitive procurement of their services on federal projects would not be in the best interests of the public.

Congressman Brooks has introduced legislation to assure that professional services performed for a fair and reasonable fee is the criteria for selection. He said selection of architects and engineers on the sole basis of lowest fee is contrary to sound public policy.

A revolving construction fund for federal buildings was explained by one of its Congressional supporters—Representative Kenneth Gray (D., Ill.). Gray said such a fund would help reduce the construction backlog of government buildings which have been authorized as needed, but which as yet are not funded.

Seminars featuring Congressional panelists and resource specialists from a variety of professional and trade groups met to discuss such related topics as housing, transportation, land use,

labor relations, and research and technical conversion. The status of pending legislation on these topics was presented by House Majority Leader Hale Boggs and House Minority Leader Gerald Ford.

Following the conference, architects and engineers attended a reception for legislators from their home states and districts. It was held at the Smithsonian Institution's Museum of History and Technology.

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AIA Announces Winners of 1972 Honor Awards

■ Nine buildings, including two large performing arts complexes and two structures that convert old buildings into new uses, have been selected to receive the nation's highest awards for architectural excellence — the 1972 Honor Awards of The American Institute of Architects.

The winners also include a fine art center, a convention-exhibition hall, small day camp, a corporate headquarters, and a house. They were selected by a jury of five architects and a student representative from 470 entries.

The Honor Award winners are (architects in parentheses): Walker Art Center, Minneapolis (Edward L. Rabee Barnes, FAIA, New York City); Koerfer House, Lago Maggiore, Switzerland (Marcel Breuer and Herbert Beckhard, New York City); Alley Theatre, Houston (Ulrich Franzen, FAIA, & Associates, New York City); Mummens Theater, Oklahoma City (John M. Johansen, FAIA, New York City); McCormick Place On-the-Lake, Chicago (C. F. Murphy Associates, Chicago); New York State Bar Center, Albany (James Stewart Polshek & Associates, New York City); YM-YWHA Day Camp, Mt. Olive, N. J.; (Claude Samton & Associates, New York City); Weyerhaeuser Headquarters, Tacoma, Wash. (Skidmore, Owings & Merrill, San Francisco); Ice Houses I & II, San Francisco (Wurster, Bernardi and Emmons, Inc., San Francisco).

Jurors for the 1972 AIA Honor Awards Program were: Henry N. Cobb, AIA Chairman, New York, N. Y.; Antonin Aeck (ASC Representative), Atlanta, Ga.; Gerald L. Allison, FAIA, Honolulu, Hawaii; John G. Dinkeloo, AIA, Hamden, Conn.; Harry M. Weese, FAIA, Chicago, Ill.; Harry Wolf, AIA, Charlotte, N. C.; and Milton L. Grigg, FAIA, Adviser (Chairman, 1971 Jury), Charlottesville, Va.

The awards will be presented at the 1972 AIA convention in Houston, May 7-10.

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AIA 1972 Gold Medal To Belluschi

■ Architect Pietro Belluschi, FAIA, former dean of the School of Architecture and Planning at the Massachusetts Institute of Technology, has been awarded the 1972 Gold Medal of the American Institute of Architects.

The Gold Medal—the highest award bestowed by the 24,000-member national professional society—will be presented to Belluschi during the AIA national convention in Houston, May 7-10.

In 46 years of practice—26 of them in Portland, Ore.—Belluschi has designed over 1,000 ecclesiastical, residential, and commercial buildings and has received numerous awards.

His churches are known for their elegant spiritual feeling, while in the design of residences he was a leader in the development of a regional style—a Northwest architecture—which perhaps the only such style in the century.

A colleague has remarked that the architect's sensitive appreciation of vernacular building and the scenery of the Northwest combined with his talent in the use of wood have given his early architecture an unrivaled sense of fitness to purpose and locale.

Belluschi is also the designer of the first "curtain-wall" skyscraper of glass and aluminum to be built in this country—the Equitable Building in Portland, constructed in 1948.

The Equitable was built a few years before Lever House in New York City and the Lake Shore Drive Apartments in Chicago, whose glass sheathing and structure are similar.

His most recent and noted buildings are St. Mary's Cathedral in San Francisco and the Juilliard School at Lincoln Center for the Performing Arts in New York City, the latter done in association with architects Edward Catalano and Helge Westermann.

Other important works include the Portland Art Museum, the Zion Lutheran Church in Portland, the Bennington (Vt.) College Library, and the Goucher College Center. His Central Lutheran Church in Portland was deemed one of the most significant buildings constructed during the 100-year history of the AIA, in a special selection made by Architectural Record in 1956.

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FOR THE RECORD

Metalcrafters Announce Third Expansion Move

Oscar Fields, President of Metalcrafters of Richmond, Inc. formerly located at 3309 West Leigh Street in Richmond has announced the completion of a 12,000 square foot shop, office and warehouse facility at 401 Dabbs House Road in Richmond. This is the firm's third expansion move in two years.

Metalcrafters of Richmond are specialists in sheet metal fabrication and machine tooling. The firm has twenty-four employees and its 1971 sales are expected to surpass the \$400,000.00 mark noted Mr. Fields.

Increasing Numbers "Switch To Snowden"

The Hercules lightweight aggregate plant at Snowden has completed its first year of production. It was on March 5, 1971, about 5 P.M., that the first customer rail car left the plant. That one car has since been followed by tens of thousands of like rail cars, headed for an increasing number of satisfied concrete producers, who "Switch to Snowden" to reduce their production costs and improve the quality of their concrete.

The Expanded Shale Clay and Slate Institute has accepted Hercules as a member, based on performance tests of Snowden Structural Blend lightweight aggregate in concrete.

This Institute is restricted to corporations who produce lightweight with rotary kilns, and its several technical committees have done much toward making the "art" out of processing lightweight concrete.

A note to Architects and Engineers — pumping lightweight concrete comes easier when Snowden lightweight aggregate is used. The plant is accustomed to emergency calls for 3/4"-16/16" grade to finish the top floors after Brand B stopped pumping. The plant welcomes such calls; it's designed and operated for rapid response. "Same day" shipment is standard response.

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ous, and a nicely designed concrete m can go to zero slump and jam the pump, if too much water-cement forced into the lightweight because the high pressure in the pump. Snowden installed rotary kilns of an advanced design that extensive preconstruction studies showed would minimize the porosity of the product thereby leading to better pumping and reduced cement requirements.

New Fellows of CSI

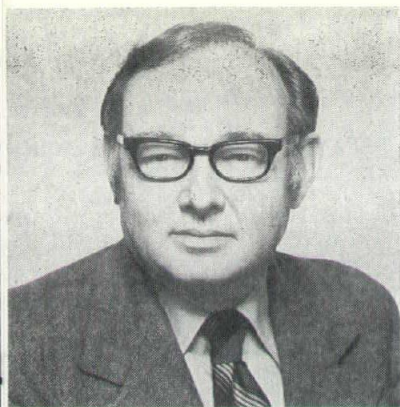
• Twelve outstanding individuals from the construction industry will be advanced to the rank of Fellow in The Construction Specifications Institute (CSI)'s 16th Annual Convention to be held in Minneapolis, June 19-21. The honors will be conferred by President Arthur J. Miller, FCSI, at an investiture ceremony during the President's Annual Banquet at the Downtown Radisson Hotel on June 21. The Fellows Award, first presented in 1959, is awarded each year to an undetermined number of individuals who make outstanding contributions to the construction industry at large. The selections are made annually by the Institute's Jury of Fellows, which was headed this year by Ralph Lane, FCSI, Montebello, California.

The new Fellows and the categories in which they were selected are: **Achievement in Education**—R. Stanley Bair, professional member, Houston; **Achievement in Construction Specifications**—William M. Brennan, professional member, Detroit; Robert L. Pettersson, professional member, Washington; Richard C. Robert, professional member, Atlanta; **Achievement in Service to the Institute**—James A. Butler, professional member, Los Angeles; Seton Jackson, professional member, Pugh Sound; Clyde V. L. Pearson, industry member, San Francisco; Andrew I. Rae, industry member, Detroit; Robert J. Schmidt, professional member, Albuquerque; Robert E. Simpson, industry member, Allentown, Pa.; Albert E. Vallin, professional member, San Diego; and **Achievement in Science in Construction**—William Lukacs, professional member, Metropolitan New York.

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VVKR Open Roanoke Office

Vosbeck Vosbeck Kendrick Edinger, a comprehensive services architectural, engineering, and planning firm with offices in Virginia and Maryland, announces the opening of its office in Roanoke. The new office will be a principal office and will provide the full range of architectural, engineering, and planning services.

Kenneth L. Motley, AIA becomes the firm's Partner In-Charge in Roanoke. A life-long resident of Roanoke, Mr. Motley was formerly a Partner in Kinsey-Motley-Shane-Associates. He is past President of the Virginia Chapter of the American Institute of Architects.

In making the announcement, William F. Vosbeck, Jr., FAIA, the firm's managing partner, noted that the firm has been increasingly involved in a number of projects around Roanoke and throughout Southwest Virginia.

VVKR designed the Woodrow Wilson Rehabilitation Center at Fishersville, and is currently involved in the design of the Library expansion for the Virginia Polytechnic Institute. Among the firm's current projects are a large hospital for Alexandria, the Thomas Jefferson Junior High School and Community Center, which includes a two-acre Controlled Environmental Facility, and the Mark Twain School especially designed for young people with emotional or acute learning problems. The firm is developing a dormitory facility for Washington College, in Chestertown, Maryland. The facility will be completed for occupancy on September 1972 less than eleven months after design was commissioned.

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New CSI Officers and Directors Elected

• John C. Fleck, FCSI, Indianapolis has been elected President of The Construction Specifications Institute 1972-73. His term will begin on July 1, 1972. Fleck will succeed Arthur Miller, FCSI, Cincinnati, whose last official duties will be to preside over the Institute's 16th Annual Convention in Minneapolis, June 19-21.

Fleck, the president of the architectural firm of Fleck, Burkart, Shropshire & Associates will complete a term as an Institute Vice President on June 30, 1972. He was a charter member of the Indianapolis Chapter of the Institute and was one of seven founders of the chapter and served as the chapter's first president 1961-62. Mr. Fleck served as Region 6 Director of the Institute 1967-70 and for one year as a member of the Institute's Long-Range Planning Committee 1970-71. In addition he has been involved on other Institute committees and task forces and served on the Board of Directors of The Construction Sciences Research Foundation from 1970-71. He has been active in all phases of the construction industry and has been instrumental in securing the passage of much needed legislation improving the structure of the construction industry in the State of Indiana. He is a recipient of the President's Plaque of the Institute and he was made a Fellow of The Construction Specifications Institute in 1970.

Other officers of the Institute elected are Vice Presidents Larry C. Deaton, FCSI, Herman R. Hoyer, FCSI, Robert E. Vansant, FCSI and Treasurer Clarence H. King, Jr. Dean, an Atlanta architect served as Region 4 Director 1967-71, as Chairman, Task Force Committee, Dues Structure, 1968-69 and will complete a one year term as Chairman, Information Systems Committee on June 30, 1972. Hoyer, San Francisco specifications consultant has been active in the San Francisco Chapter since 1964 serving the chapter as director, vice president, member of several chapter committees and as president. He has received several Specification Competition awards for his specifications and was invested as a Fellow in 1971. Vansant, head of specifications and standards section for a Kansas City firm served as an Institute Vice President, 1970-71, and is currently Chairman of the Technical

documents Committee. He was in-
 stituted as a Fellow in 1970 and has also
 received a number of awards for his
 specifications. King, an industry mem-
 ber from St. Louis was a member of
 the Institute Finance Committee 1969-
 70 and is currently serving as chair-
 man of the committee and from 1969-
 70 was a member of the Long-Range
 Planning Committee. He is also the
 current President of the American So-
 ciety of Architectural Hardware Con-
 sultants. M. Lee Dahlen, FCSI, Min-
 neapolis is currently serving as In-
 stitute Secretary and will continue in
 office on his two-year term for another
 year.

Newly elected directors are Region
 1—Donald D. Meisel, professional
 member, Philadelphia and Delaware;
 Region 5—Marshall A. Hildebrand,
 professional member, Chattanooga;
 Region 7—Howard R. Steinmann,
 CSI, professional member, Madison,
 Wis.; Region 10—R. James Noone,
 professional member, Denver; Great
 Lakes Section—Theron O. Lawler,
 CSI, industry member, Cincinnati
 and Columbus, Ohio; and South Cen-
 tral Section—Tom F. Sneary, industry
 member, Dallas.

CSI, founded in 1948 will hold its
 15th Annual Convention in Minne-
 apolis, June 19-21. The theme of this
 year's convention, "Specifications, Re-
 sponding to Change" is based on the
 changing concepts in the construction
 industry, changes that are being de-
 manded by owners and users of con-
 struction who request a more efficient
 and disciplined performance from the
 industry.

The 1972 convention program high-
 lights those changes in construction
 that are occurring and which can be
 reasonably predicted. Presentations will
 explore aspects of performance specifi-
 cing and testing criteria. Educational
 and technical programs for the spec-
 ifier and industry's response to the chal-
 lenge of the change in construction
 concepts will also be explored at the
 convention.

The Institute has established a tra-
 dition for its convention as "working
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 meeting is expected to continue that
 tradition.

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(from page 35)

The entire building is protected by wet pipe sprinkler system with hose stations and equipment as required to meet specifications of the Factory Insurance Association. Fire hydrants were stalled around the exterior of the building.

Subcontractors & Suppliers

From Greensboro, N. C., were: N. C. Monroe Construction Co., general contractor; Tri-State Erectors, Inc., erection of structural steel, steel joists and metal roof deck; Bullock & Humble, Inc., heating, ventilating & air conditioning, plumbing, storm drainage piping, sanitary sewer; J. D. Wilkins Co., miscellaneous metals; and, Guilford Builders Supply Co., Inc., millwork.

Other North Carolina firms were: Ritchard Paint and Glass Co., Durham, N. C. glass & glazing, aluminum doors & frames; Industrial Piping, Inc., Neville, N. C., fire protection & sprinkler system; Crawford Door Sales Co., Inc., Winston-Salem, N. C., wood sectionfold doors & sliding fire doors; Richmond; Kalman Floor Co., Charlotte, N. C., floor topping; and, Roanoke Engineering Sales Co., Inc., Charlotte, N. C., metal windows & insulation, panels by Stanley-Artex, metal file partitions by Global-Embassy style.

Virginia firms were: Leonard Smith Sheet Metal & Roofing, Inc., Salem, roofing; F. Richard Wilton, Jr., Inc., Richmond, lath & plaster, acoustical tile & resilient floors; Altavista Nurseries, Altavista, seeding; Walton & Eden, Farmville, paving; McDaniel Electric Co., Inc., Lynchburg, electric work; and, L. R. Brown, Sr., Roanoke, painting.

Also, Valley Steel Corp., Salem, reinforcing steel & wire mesh; Montague-Edwards Co., Inc., Lynchburg, structural steel & steel joists, metal roof deck & metal canopy deck; Sash Door & Glass Corp., Richmond, hollow metal doors & frames by Republic Steel Corp.; Bailey-Pencer Hardware Co., Inc., Lynchburg, finish hardware; Garrett, Moon Pool, Inc., Blackstone, concrete; and, Lightweight Block Co., Inc., Roanoke, masonry block.

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A New Age Of Hate?

(from page 5)

the fragments assumed their own standards with real moral fervor. A striking instance of this appeared in a *New Republic* article written by James Reston, Jr. (son of the columnist): young Reston held that the army deserters and draft-dodgers who fled to other countries are in the right and the nation in the wrong; the question was not of the U.S. pardoning the fugitives but of the fugitives pardoning the U.S. government.

When moral self-approbation faded from demonstrations over Civil Rights,

the Vietnam involvement provided a new cause for demonstrators, who reached their climax of protests by blocking Washington traffic to the detriment of wage earning tax-paying commuters. But the mobs found defenders who attacked the law enforcement agencies for the measures used to prevent commuting workers from being kept from their jobs and homes; and the *New Yorker* found newly appointed Supreme Court Justice Lewis Powell to be living in an "unreal" America of his own because he regarded such mob action as dangerous to national security. By implication, the *New Yorker* is living in the real America where such large-scale lawbreaking is not only no threat to national security but the exercise of a moral right.

As the divisiveness over Vietnam spread into divisiveness over the military defense system of the U.S. and its international position, generalized anti-war feelings (including anti-defense research) served to spearhead other grievances among an indulged people. When the Columbia student rebellion erupted only four years ago (spring of 1968), this was not generally seen as the surfacing of a deep undercurrent of an unrest which rejected authority, even though it was contemporaneous with the student "revolution" in Paris. In fact, editorialists blamed the ineptness of the administration and the history of dissidence permitted in the student body. But soon student protests had become nationwide, and many were not even related to any intellectual dissidence: they were demands for more

privileges, less discipline, and reveal the hatred of authority. Now we see the same type of problem pervading the U.S. Army, the Catholic Church and the Federal bureaucracy.

There is an interesting example of the public's recognition of its divisiveness in 1970, traced in Les Brown's book *Television*. For several years up in 1969, ABC considered an American version of the successful British series about Alf Garnett, the middle-aged bigot. Finally, when ABC turned it down, CBS ran a successful test of the pilot of *All in the Family*, and the series about the bigot Archie Bunker became a hit of 1971. As summarized by Les Brown, "Public consciousness of the ideological polarity in the country increased between the fall of 1969 and the spring of 1970, as it had with the sensitivities between the races, the classes, the generations, and the sex." ABC tested the pilot when there was still some disbelief in the national riot. CBS when the national anxiety over it had become serious."

It was in this period also that the murders committed by Charles Manson "family" focussed light on a sub-segment whose sense of rightness in their attitudes extended into life styles of criminally anti-social behavior. In last year's chilling book, *The Manson Family*, the horror was that Charles Manson, criminally insane, could attract dozens of followers who believed in him as some sort of Christ and, under the spell of his leadership, accepted loathsome living conditions and participation in indescribably vile acts, including murder. Even more alarming was the revelation

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similar groups, each with its own ethos," who wandered about the West past, living by begging, stealing, sponging, with cash from the occasional check at by an affluent family to its strayed daughter.

All such hostile deviants from the normal standards of an industrialized society are obvious illustrations of the lack of cohesive forces at the center. This lack of a centralizing force is, of course, unique with America. In a summer college session this summer in Paris, a course is devoted to the question: "Can authentic lives flourish in the framework of modern life [of industrial and post-industrial societies] or is alienation inevitable?" America, however, ranks high in the expression of intolerance and hostility among its fragmented segments.

One of the most costly of these antagonistic divisions is between the young and the old. The very nature of our changed environments, with the loss of community identification, broke the sense of continuity of the past, of one generation succeeding another. As Smith Hempstone wrote, "The sense of belonging, of place, of a shared heritage and memories, had disappeared in an anonymous suburban sprawl and each of us forages orphanlike in alien streets where all the dreams have died, armed with the plastic credit card which vainly protests our identity . . . In such a wasteland, the old have no place. . . or can the elderly advise those of us who are older how to hunt this jungle, or is it as strange to them and many perhaps most of them do not share values." This, Hempstone goes on, is the real problem of the old: the death of a society, a culture, a civilization they understood."

But, as Hempstone points out, the young also are caught in the same centrifugal force away from any center, and each of us finds himself propelled endlessly outward toward the fringes of an age the core of which [particularly the elderly] cannot understand, will not accept, does not want." The tragedy here is for both groups: the young cannot, as rising generations historically have, learn from the elders who hunted the jungle before them; the old, knowing they have nothing to pass on to the rising generation, feel like unwanted relics of a vanished age.

This is sadder for the young than it is for the old who, after all, have had their lives in a better age. For the young who (through no fault of their own) are cut off from such guides and wisdoms as might be helpful from the past, and, in the arrogance typical of youth of all ages, renounced the whole idea of additional perpetuity and separated themselves from the past. Some spokes-

men for the young refer to the past as something dead, over and done with, having neither connection with nor relevance for the present.

Of course, this attitude is not confined to the young. One hears advocates of progress saying, "we have a fine heritage, but we must concentrate on our future"—as though an awareness of the past precluded concentration on the future. (It is true that the way history is usually taught in our schools and colleges would convince anyone except the knowledgeably dedicated that history was, indeed, a dead subject (and deadly).

But the young are characterized by that commonplace arrogance of youth which causes their pontificators to pronounce glib judgments on matters on which they are ill informed. They do this, furthermore, out of the stereotyped viewpoints that are currently in vogue; and they do this with a naive sense of superiority in their familiarity with the fashionable attitude of the moment which results in passing off a distorted view through the peephole of a transient viewpoint as a presumably qualified judgment on the complexities, the sorrows and miseries, the valors and sacrifices, of mankind's struggle through the evolution of political institutions.

In our part of the country these topically stereotyped judgments are not only the product of the lost cultural continuity, but cumulatively they make two negative contributions—(1) deepening the present polarization between the generations, between time formed of the past and time existing in a vacuum, and (2) increasing for the future the sterile anonymity of the rootless environments. In the first, even their heritage is negated for the old; and the second tends to erode community identification for the generations to come, producing a characterless ambience in which none can sink roots.

(To be continued)

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INDEX TO ADVERTISERS

-- A --			
A-1 Glass Co.	34	General Shale Products Corp.	48
Ace Tile & Floor Coverings, Inc.	87	Golladay Building Supply, Inc.	74
Acoustical Ceilings, Inc.	50	J. S. Gray Co.	70
Anchor Associates, Inc.	34	R. M. Greene, Inc.	38
Andrews Large & Whidden, Inc.	66	-- H --	
Arlic G. Andrews	71	H. M. S. Electric Corp.	75
Ann's Beauty Shop	74	Hamilton's Floor Fashions & Tile, Inc.	64
Associated Glass Co., Inc.	38	Hammond Masonry Corp.	86
Atlantic Cement Co., Inc.	90	Hanover Fabricators	73
Augusta Block, Inc.	77	C. B. Harris & Co., Inc.	87
Automated Structure, Inc.	8	High Steel Structures, Inc.	12
The Avamere Hotel	42	Hill & Kimmel, Inc.	22
-- B --		Hill's Stone Yard	66
Barker Construction Co., Inc.	74	Home Building Supply, Inc.	73
W. H. Belanga & Associates, Inc.	84	Hotel-Motel Wachapreague	42
H. C. Belew	84	A. P. Hubbard Wholesale Lumber Co.	83
Binning's, Inc.	7	Morris Hunter, Inc.	87
Birsch Construction Corp.	77	George Hyman Construction Co. of Va., Inc.	48
Borden Brick & Tile Co.	16	-- I --	
L. T. Bowden, Inc.	78	Immer & Co., Inc.	12
Bowler Lumber Co.	84	Ivey Welding Service, Inc.	29
E. G. Bowles	85	-- J --	
W. M. Bowman	80	Jarrett Welding Co.	84
Brinkley-Ward Electric, Inc.	78	Jarvis Co., Inc.	45
Bristol Steel & Iron Work, Inc.	72	Johnson & Higgins of Va., Inc.	75
T. C. Brittain Co.	79	W. M. Jordan Co., Inc.	29
Brook Hill Construction Corp.	80	-- K --	
Kirkwood G. Burke	88	K & M Plumbing & Heating Co.	80
J. Rex Burner Co., Inc.	87	Koger & Wade Manufacturing Corp.	50
Burrough & Preston, Inc.	84	Korok	85
A. B. Burton Co., Inc.	9	-- L --	
-- C --		Lane Brothers, Inc.	38
J. E. Campbell Plumbing, Heating & Air Conditioning, Inc.	81	Limitorque Corp.	34
Capital Mechanical Contractors, Inc.	84	S. Lewis Lionberger Co.	83
W. S. Carnes, Inc.	85	Lone Star Industries	64
The Carolinian	43	J. P. Long Co.	86
Cary Court Shopping Center	42	Lyn Construction Corp.	20
Catlett-Johnson Corp.	61	Lynchburg Ready-Mix Concrete Co., Inc.	77
Charlottesville Glass & Mirror Co.	86	Lynchburg Steel & Specialty Co.	77
Charlottesville Hardware Co.	83	-- M --	
Chesapeake Masonry Corp.	9	MW Manufacturers	61
Cloud's Electrical Service, Inc.	66	Mack's Iron Co., Inc.	81
Cochran Construction Co.	66	T. H. Maddux & Co., Inc.	45
D. Compe & Son	50	W. R. Manchester, Inc.	12
Cooper Electrical Construction Co.	64	Martin Electric, Inc.	79
J. H. Cothran Co., Inc.	34	Martin Tile & Marble Co., Inc.	74
Edward Crider-Weatherstripping	6	Frank B. McAllister, Inc.	38
-- D --		I. H. McBride Sign Co.	8
John W. Daniel & Co., Inc.	75	McClary Tile, Inc.	78
Davenport Insulation, Inc.	77	McClure Lumber & Builders Supply Co., Inc.	84
Davis & Spiers, Inc.	38	McCullough Ceramic Corp.	27
Walter C. Davis & Son, Inc.	84	Mid-State Tile Co.	89
James G. Day Painting & Decorating	82	N. C. Monroe Construction Co.	20
R. L. Dixon, Inc.	66	-- N --	
Dodd Brothers, Inc.	76	Natkin & Co.	50
Dominion Electric Supply Co., Inc.	76	Norfolk Air Conditioning Corp.	83
-- E --		-- O --	
J. T. Eley, Jr.	74	Oakes Implement Co.	28
Excavation Construction, Inc.	28	The Old Point National Bank of Phoebus	64
-- F --		Oliva & Lazuri, Inc.	6
Falwell Fast Freight, Inc.	71	Owen Plumbing, Heating & Air Conditioning, Inc.	8
Ford Pile Foundations, Inc.	78	-- P --	
Fowler Roofing Co., Inc.	76	Paddock Swimming Pool Co.	29
Franki Foundations Co.	54	Peden Steel Co.	9
Frank's Harbour House	43	Perry Electric Co., Inc.	54
Frick, Vass & Street, Inc.	86	-- Q --	
Froehling & Robertson, Inc.	78	Petroleum Marketers, Inc.	
-- G --		Richard E. Phillippi, Inc.	
Garrett, Moon & Pool, Inc.	76	Pompei, Inc.	
S. R. Gay & Co., Inc.	81	The Poole & Kent Corp.	
		-- R --	
		Quality Landscaping, Inc.	
		Rabe Electric Co., Inc.	
		J. C. Reading & Sons, Inc.	
		David A. Reed & Sons, Inc.	
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		-- T --	
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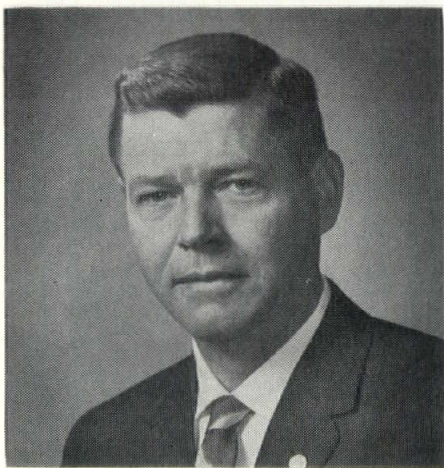
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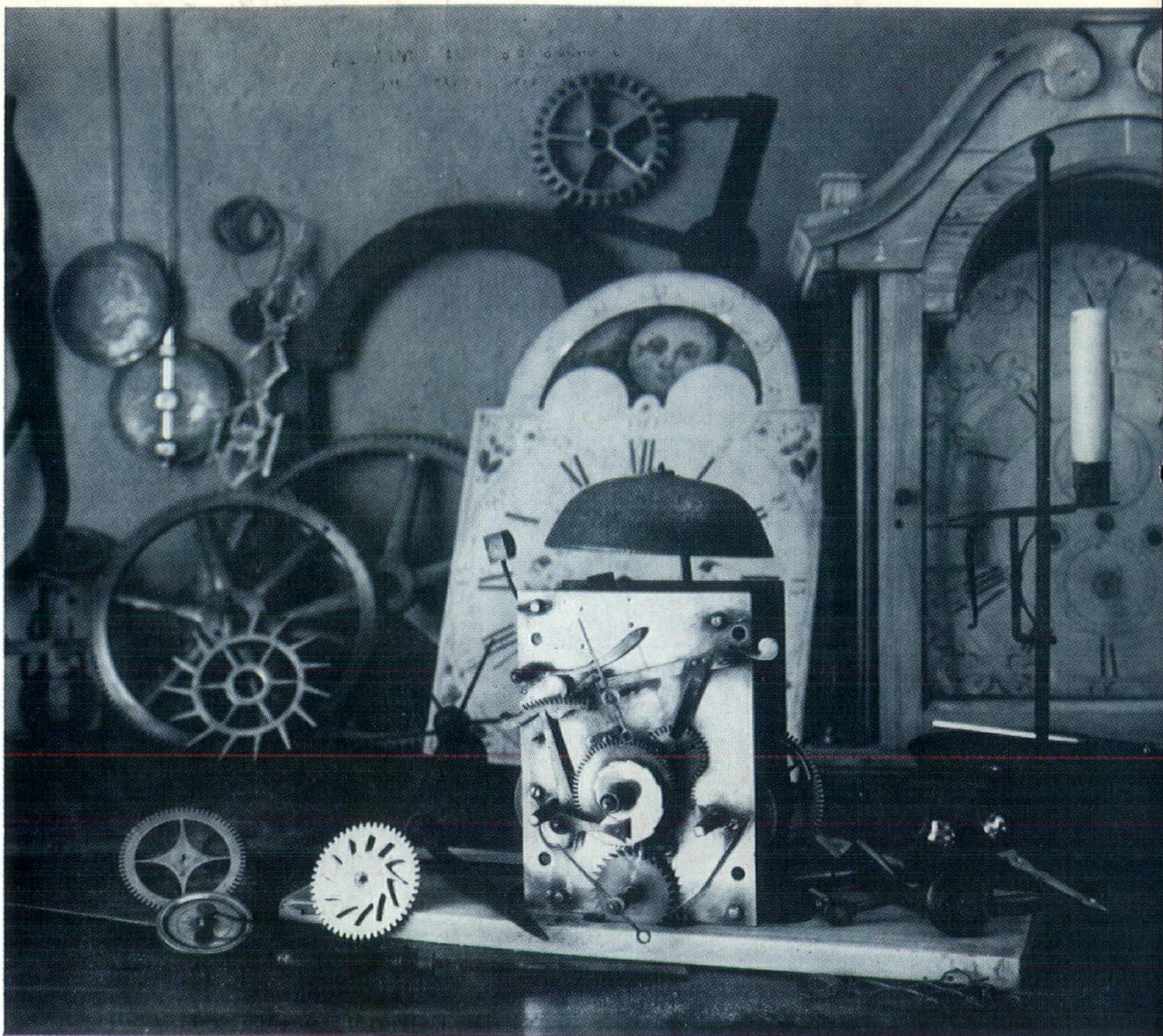
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