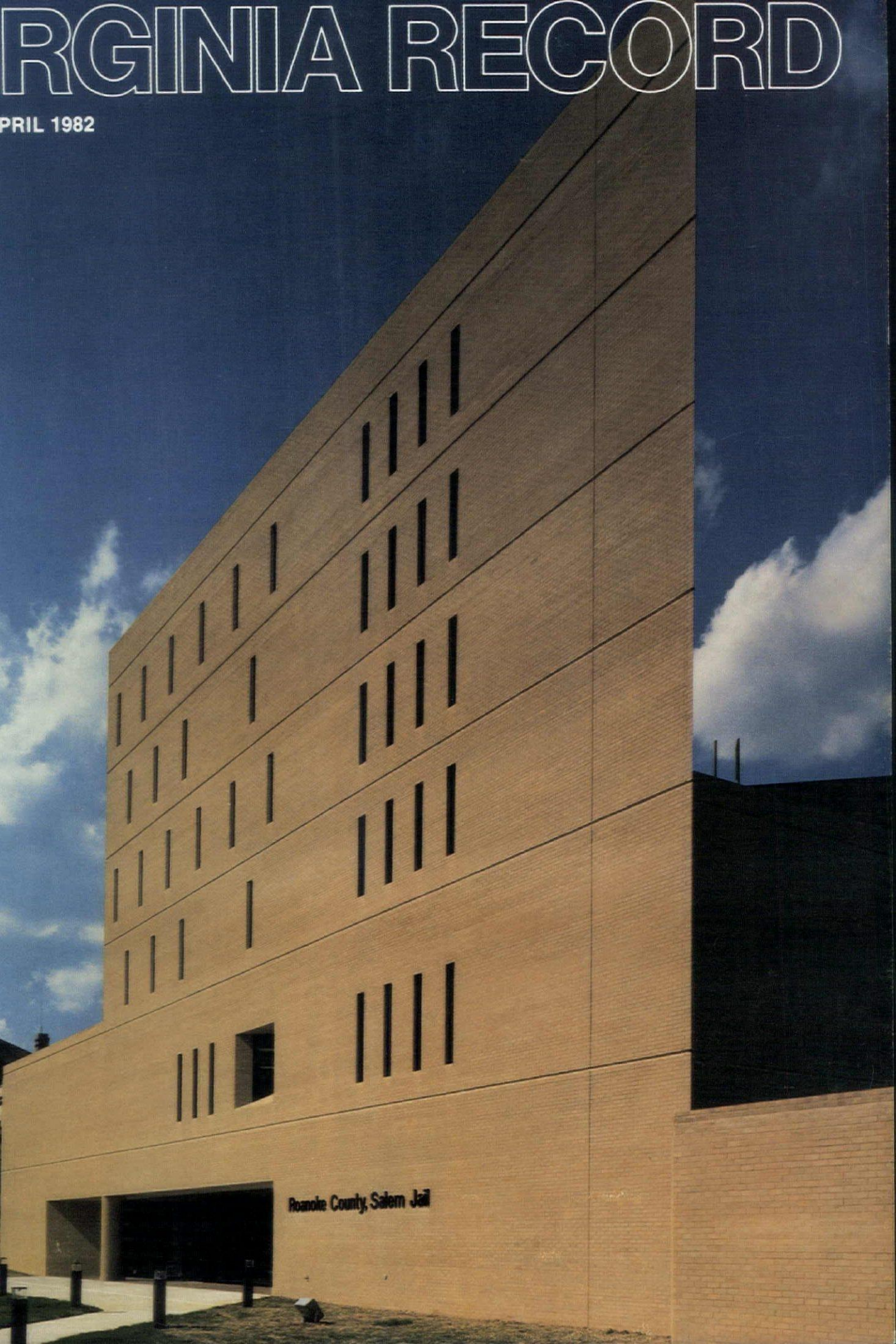


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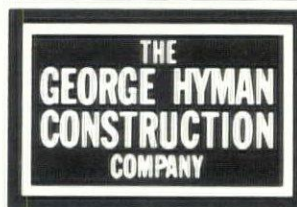
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"VIRGINIA RECORD (ISSN-0042-6768) is published bi-monthly for \$10 per year by Virginia Publishers Wing, Inc., 301 East Franklin Street, Richmond, Virginia 23219. Second-class postage paid at Richmond, Virginia. POSTMASTER: Send address changes to VIRGINIA RECORD, P.O. Box 2-Y, Richmond, VA 23205."

Vol. 104—No. 2
March-April 1982

Virginia Record is an independent publication cooperating with all organizations that have for their objectives the welfare and development of Virginia. While this publication carries authoritative articles and features on statewide and local industries, business, governmental and civic organizations they are in no other respect responsible for the contents hereof.

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Associate Editor

Published with
The Cooperation of the
Virginia Society
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Architectural Issues
Reviewed by the
Public Relations Committee
of the
Virginia Society, AIA
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Subscriptions
1 Year \$10—2 Years \$18
3 Years \$25

Per Copy \$2.00
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Phones: 644-6717 or 644-2722

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COVER

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Rosslyn Skyline

by Eason Cross, Jr.

Were Rosslyn anyplace but across the Potomac from Washington, the design critics would be all over themselves in praise of its skyline. Imagine this tight-knit city on a bluff on the banks, say, of the Rappahannock River, in leafy isolation. Just so is its aspect from most of the District of Columbia. The least idyllic view is from a stretch of the Georgetown waterfront, where one sees the new curved metal tower rising abruptly from the east edge of the complex. This view will improve when the twin of the first tower is built. Altogether, Rosslyn has developed into a happy heterogeneous grouping of buildings in the landscape.

The sloping ground these structures cover is the key to Rosslyn's visual success. Physical limits to its growth have made it fill in rather than spread out. Were it built in Iowa, it would be a flat-topped mesa with sheer sides. Were it done all at one time, or by a single design firm, or by a single developer, it would be too uniform, as is Crystal City. Were Arlington's zoning controls less flexible, it would have ended up with flush facades like the canyons of "K" Street in Washington. As it is, the buildings include every vocabulary in use since the pawn shops

left, a multiplicity of shapes, colors, bumps, windows, and finishes which blend together. Only a few buildings could be described as distinguished architecture in themselves, but taken together, they provide a fine example of a totality being greater than the sum of its parts.

One of the things that disturbs those people in Washington who feel charged with the responsibility of keeping design pure in the District of Columbia is Rosslyn's violation of a traditional concept of the Nation's Capital as a low city surrounded by a ring of green wooded hills. It is time for that concept to be revised in the face of physical as well as political reality. Efforts to place the surrounding jurisdictions under the thumb of the Department of Interior or the National Capital Planning Commission were unsuccessful under the previous Administration. The Reagan Administration has a clear Policy of less Federal interference than more. There is no point in trying anymore to force conformance to the green ring concept.

Anyway, the time to insist on conformance to the green ring concept was 15 years ago when Prospect House was in the planning stage. That

building until recently was large and isolated on the Virginia horizon. Now it has been visually connected to Rosslyn.

Given the facts, then, of Rosslyn; the Arlington Ridge Road complex; the Sheraton at Henderson Hall; the Fort Meyer BQ; the Benning Road Power Plant; St. Elizabeth's; the Masonic Temple, etc.; the time is here to re-examine that concept of an unbroken green horizon with no buildings on it, for that concept is unenforceable and violated past recall.

Washington architect Chloethiel Woodard Smith, FAIA, was unfairly hooted down a decade ago when she proposed a plan with Rosslyn-like nodes of high density around the Washington Metropolitan Area, all at a discreet distance from the Capitol, and spread out so as to be secondary landmarks on the horizon. Federal planners might well be a more constructive force were they to pick up and run with Mrs. Smith's suggestions. There is an opportunity, just as important as the Pennsylvania Avenue Plan, waiting for attention. To synthesize the esthetics and practicalities, in cooperation with the local jurisdictions, is a difficult task but one which needs undertaking.



(Maxwell Mackenzie photo)



NEWS

VIRGINIA SOCIETY
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Anderson Installed as AIA National Director

Richmond architect Samuel A. (Pete) Anderson III, AIA, was installed December 4 as a member of the Board of Directors of The American Institute of Architects.

The principal and design group chairman of Glave Newman Anderson Architects, Anderson will serve a three-year term as a national AIA director representing the Middle Atlantic Region (Delaware, District of Columbia, Maryland, Virginia, West Virginia).

Prior to joining his present firm in 1969, Anderson worked for Venturi & Rauch, Ballinger, and Harbeson Hough Livingston & Larson, all in

Philadelphia; Llewelyn-Davies Weeks & Partners, London, and Rawlings & Wilson, Richmond. He was a studio critic for the University of London's Bartlett School of Architecture in 1964-65 and visiting professor of architecture at Virginia in 1977.

Long active in the AIA, Anderson served as president of the Virginia Chapter's former Richmond Section (1969), chairman of the chapter's continuing education committee (1972-73) and urban design committee (1972-73). In 1977 he was secretary of the Virginia Chapter (which became the Virginia Society) and was the state society's president in 1979. He currently serves on the national AIA Professional Development Evaluation Task Force.

In community activities, Anderson has been chairman of the Chesterfield County Red Cross, president of the Richmond Urban League, chairman of the United Way of Greater Richmond's Research and Planning Committee, and a board member of Central Richmond Associa-

tion, Richmond Community Senior Center and the YMCA of Metropolitan Richmond.

He earned his Bachelor of Arts from the University of Virginia and his Bachelor of Architecture (with honors) from the University of Pennsylvania, following a four-year tour as a Navy officer.

The new board member and his wife Allie Anderson have four daughters and reside on Ben Nevis Drive in Richmond.

Also installed during ceremonies in Washington were the AIA's 1982 president, Robert M. Lawrence, FAIA, Oklahoma City; first vice president/president-elect, Robert Broshar, FAIA, Waterloo, Iowa; national vice presidents Ellis W. Bullock Jr., FAIA, Pensacola, Fla.; James R. Nelson, AIA, Wilmington, Del., and William A. Rose Jr., FAIA, White Plains, N.Y.; treasurer, Henry W. Schirmer, FAIA, Topeka, Kan., and 14 other new directors. Harry Harmon, FAIA, Long Beach, Calif., continues in his two-year term as secretary.

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NEW OFFICES

HDR

The firm of Henningson, Durham & Richardson has announced the opening of its new Old Town, Alexandria office, at 103 Oronoco Street, Alexandria, Va. 22314.

The growth of the firm's architectural, engineering and sciences activities in the Washington, D.C. area has resulted in the consolidation of three HDR offices into one regional office located at the Dalton Wharf office complex at Oronoco and North Lee Streets in Old Town, Alexandria.

HDR's Architectural, Transportation/Water Resources, Sciences, and Solid Waste/Resource Recovery Divisions have production capabilities in Alexandria. This major regional office also serves as HDR's international headquarters and design center for Northeast and Mid-Atlantic projects. Current staff numbers over 100 persons. The new HDR Alexandria regional office is one of 22 HDR offices employing more than 1,200 people nationwide.

TDFB

Torrence, Dreehin, Farthing & Buford, Inc., a 50-person consulting architectural/engineering firm with headquarters in Richmond, has announced the opening of its Warrenton, Virginia office at 87 Lee Highway on January 4, 1982. Mr. Robert M. Bartenstein, P.E. of Warrenton, has been named manager of the new office, and has also become a principal of the firm.

The Warrenton office will offer services in architecture, civil engineering, structural engineering, mechanical engineering, electrical engineering, energy engineering, acoustical engineering and construction administration to the commercial, industrial and institutional sectors in the Northern Virginia and Valley areas.

Mr. Bartenstein is a native of Fauquier County who, for 25 years, was president of R. M. Bartenstein & Associates, Inc., a consulting civil engineering and land surveying firm in the Warrenton area. Since 1975, Mr. Bartenstein has been acting as a construction consultant on proj-

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ects such as the expansion and renovation of the Fauquier and Prince William Hospitals.

He is a 1943 graduate of Virginia Military Institute, and served as a captain in Air Force Intelligence during World War II. He has been an active member of the Virginia engineering community for many years, serving as president of the Consulting Engineers Council of Virginia (1966-67) and president and a director of the Virginia Association of Surveyors (1958). He is also a member of the National Society of Professional Engineers, the American Congress on Surveying and Mapping, the Mount Vernon Chapter of the Virginia Association of Surveyors, and a member of the American Society of Civil Engineers.

Mr. Bartenstein is married to the former Frances Stevenson. They have four children, Robert M., Jr., Susan Bartenstein Necci, Steve, and Curtis, and three grandchildren. One grandson, Andrew Necci, is the fifth consecutive generation to live within the Town of Warrenton limits.



Robert M. Bartenstein, P.E.

CONSTRUCTION NEWS

Egyptian Building Renovation

Construction has begun on the renovation of the Egyptian Building which will become a conference center for continuing medical education at Virginia Commonwealth University's MCV Campus. Guiding the project is the Richmond architectural firm Glave Newman Anderson Architects, widely recognized for its extensive work in adaptive reuse and historic buildings preservation.

Built in 1845 as the medical department of Hampden-Sydney College, the Egyptian Building was designed by Philadelphia architect Thomas Stewart, who designed Richmond's St. Paul's Church at the same time. The building's Egyptian motif reflects an early 19th century trend towards a revival of ancient styles. Other, more popular, revival styles included Greek, Roman, and Gothic. Egyptian was the rarest of the revival styles and was generally used for prisons or cemeteries. Richmond's Egyptian Building is one of only a few of its style to survive in the nation and has been in continuous use as a medical school almost 140 years.

In 1936, the building underwent a major renovation which was paid for by financier/statesman Bernard Baruch as a memorial to his father, an 1862 alumnus of the medical school. The large auditorium on the first floor which was created during that renovation will remain untouched as will the Egyptian decorative motifs on the walls and ceilings.

Major new renovation will occur on the second floor which will be converted from laboratories and classrooms to a series of six conference rooms. These rooms will open off of a 12-foot-wide central lounge created by expanding what is currently a rather nondescript hallway. The shape and color scheme of the renovated lounge space will recall the Egyptian motifs in the auditorium below.

This renovation of the Egyptian Building is part of a master plan developed for the MCV Campus of VCU in 1970 by Glave Newman Anderson Architects. In this plan, the architects established a series of historic precincts which include such major 19th century landmarks as the Monumental Church, the Putney Houses, the Valentine Museum, the White House of the Confederacy, and the Egyptian Building. The architects recommended restoring these historic structures, most of which has been accomplished. The work on the Egyptian Building will complete the series of revitalizations.

Samuel A. Anderson is the principal in charge of the project with William Q. Hubbard the project manager and Woodrow D. Palmore the construction administrator. Heindl-Evans is the contractor.

Cost of the 15,000-square-foot renovation is \$590,000. Estimated completion date is September 1982.



Egyptian Building
—photo by Katherine Wetzel Photography—

Church Expansion

Construction has begun on the Sunday school expansion at Grove Avenue Baptist Church, 8701 Ridge Road, Richmond. Guiding the \$160,000 project is the Richmond firm of Glave Newman Anderson Architects.

The project involves filling in the church's two-story gymnasium area to create 7,000 square feet of new space within the existing building. The first floor will be maintained as a dining and meeting area and the new second floor will consist of 16 classrooms.

Willard M. Scribner, AIA, is the architectural principal-in-charge of the expansion. Project manager is Henry D. Ayon and construction administrator is Woodrow D. Palmore. Barker Construction Company of Richmond is the general contractor.

Estimated completion of the project is mid-February 1982.

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CHAPTER NEWS

Northern Virginia Chapter, AIA, Library Begun With Donation of Rare Books

FROM REMARKS made by Marvin Cantor, AIA, President, Northern Virginia Chapter, AIA.
Northern Virginia Chapter—December Meeting, December 11, 1981
Alexandria Bicentennial Center (The Lyceum) in Alexandria

Most AIA Chapters dream of a permanent office with a permanent secretary and then establish a permanent library. The Northern Virginia Chapter, AIA is far from being an orthodox group. It has started a permanent library which it hopes will trigger a more meaningful search for a permanent office.

For this start on a permanent library, thanks goes to a member who became one of the Chapter's first emeriti, Columbus E. Lord. Mr. Lord started his practice over 50 years ago and worked at various posts with the United States government until his retirement. At an age when most people consider retirement (63), he was entrusted with the design of airports requiring heated runways. Feeling that he could not do the job properly unless he knew what problems confronted the typical pilot, he took lessons and became a certified pilot at that time.

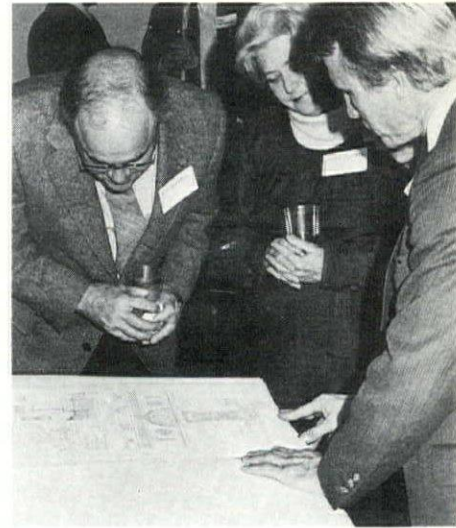
Again, at another age when people are "definitely" thinking of retirement (70), Mr. Lord felt that he should become a registered architect (it was not required during his service with the government) and "on second thought" also a professional engineer. So he studied and became a registered architect and professional

engineer, recognized in the states of Virginia and Maryland and the District of Columbia. . . at age 70!

Throughout his career he collected architectural books and folios which he has graciously donated to the Northern Virginia Chapter, AIA. These volumes are unavailable at any cost since they have been out of print many years and hence constitute an invaluable addition to any library, let alone becoming the nucleus of a new library.

At its December 1981 meeting, the Northern Virginia Chapter honored Mr. Lord with the presentation of a framed certificate of appreciation bearing a replica of the brass plate that will forever identify the books he donated as "The Columbus E. Lord Collection."

Mrs. Nancy Lord Graves accepted the honor on behalf of her father, who was unable to attend due to ill health. She expressed Mr. Lord's gratitude to the Chapter for its willingness to accept custody of the historic library and to provide it with the same degree of care and attention that he had given it over a lifetime of collecting.



Architects examine Lord portfolios dating to the early part of this century. (Paul H. Barkley, Jr. photo)

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Presented to Mrs. Nancy Lord Graves (left) by Marvin J. Cantor, President, Northern Virginia Chapter, AIA. (Paul H. Barkley, Jr. photo)

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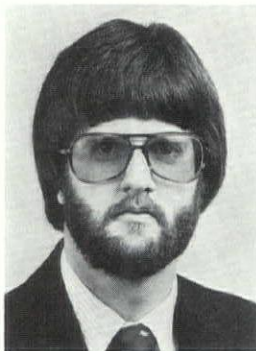
NORTHERN VIRGINIA CHAPTER AIA
1982 OFFICERS

Marvin J. Cantor, Immediate Past President, congratulates new officers for 1982. Shown left to right are: Eason Cross, Jr., President-Elect; Lawrence Cook, President; Cantor; and William A. Klene, Secretary. (Paul H. Barkley, Jr. photo)

NEWLY LICENSED

VVKR'S Parker Receives Architectural License

Robert E. Parker, VVKR Incorporated, Tidewater, was recently licensed as an architect in the Commonwealth of Virginia. Mr. Parker was involved in the design of the \$8.2 million Engineering Management Building at Norfolk Naval Shipyard in Portsmouth. A resident of Newport News, Parker graduated in 1977 from Virginia Polytechnic Institute and State University. He is married to the former Suzanne Hooker of Williamsburg.



Robert E. Parker



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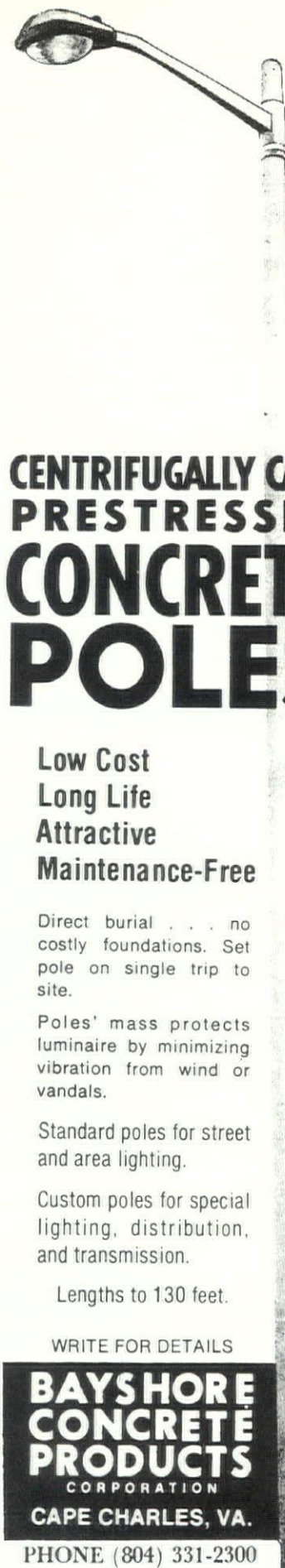
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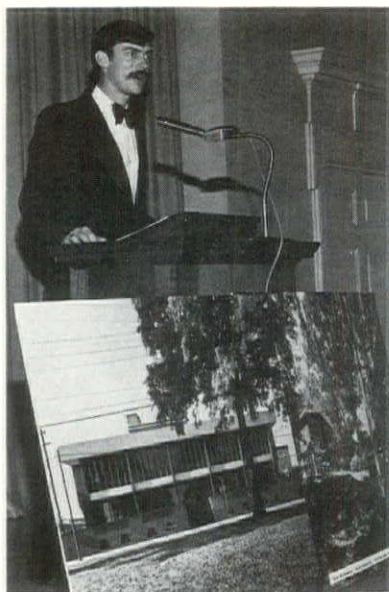
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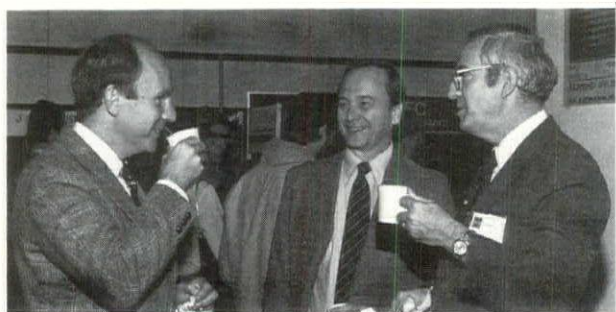
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Charles (Duke) Murray, Randall Vosbeck and Don Strange-Boston compare notes.



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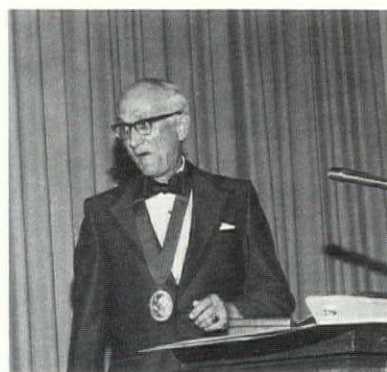


HEAD TABLE PERSONALITIES

Left photo (l-r), M/M Pete Anderson, M/M Herb Smith, and M/M John Marfleet.
Right photo (l-r), M/M Lawson Drinkard, Eason Cross, Jr., M/M Don Strange-Boston, and Jacquelyn J. Roberson, Dean, UVa School of Architecture.



John Marfleet and Herb Smith present Distinguished Service Award to John Henri Spencer, Dean, Hampton Institute School of Architecture.

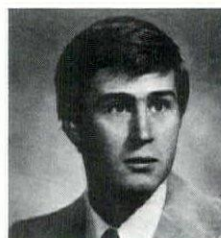


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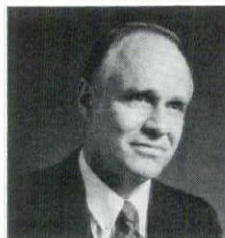
NEW MEMBERS

RICHARD LOPACKI, AIA
With Veterans Administration, Washington, D.C.
Graduate of Catholic University
Northern Virginia Chapter



JOSEPH G. MAYER, Associate
With Brown & Page Architects, Alexandria
Graduate of Catholic University
Northern Virginia Chapter

AUGUSTINE A. TAORMINA, AIA
With Vlastimil Koubek, Washington, D.C.
Graduate of Pennsylvania State University
Northern Virginia Chapter



DAVID M. WILSON, AIA
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RELEVANT REFLECTIONS

A Landmark Decision

by Ralph Snell, AIA

Ask a hundred people, "What is the most important building in America?" and the vast majority will answer, "The White House." Others may mention the Capitol or the Pentagon.

Ask a hundred people, "What is the most outstanding example of architecture in America?" and after fifteen minutes of tortured and/or questioning and/or blank looks, most will settle on, "The Empire State Building." If someone says the White House, the Capitol, or the Pentagon, they really can't think of any.

But that is what a recent American Institute of Architects publication just said. It called the United States Capitol, "... the most outstanding example of architecture in our nation's capital, if not our nation."

There is no doubt that the Capitol is a symbol of this country. After all, it does figure prominently in the photographic backdrops for Soviet television news reports on the United States and is the perfectly framed view of every Congressman's (or Congresswoman's) office. And perhaps the Capitol is a symbol of the growth of America. Like the country itself, the Capitol has continually changed and expanded. But "the most outstanding example of architecture in our nation's capital, if not our nation," let's face it, it's not.

Symbol, landmark—it is.

The point is that landmarks don't have to be good architecture to be good landmarks.

But let's take it out of our nation's capital, a city where landmarks are the context.

Take San Francisco. The Transamerica Building. The world's tallest (and as some San Franciscans joke, after the earthquake, the world's longest) pyramid. Talk about ugly buildings. It has a gross, contorted framework for a base and ears on its wrongly-colored shaft where the



WELL, CONCERNING THIS YEAR'S ECONOMY, LET ME REMIND YOU OF THOSE MONUMENTAL MIESIAN WORDS, "LESS IS MORE."

elevators poke through the pyramidal form. But it does add a punch to the city's skyline that none of the flat-topped high rise boxes can match.

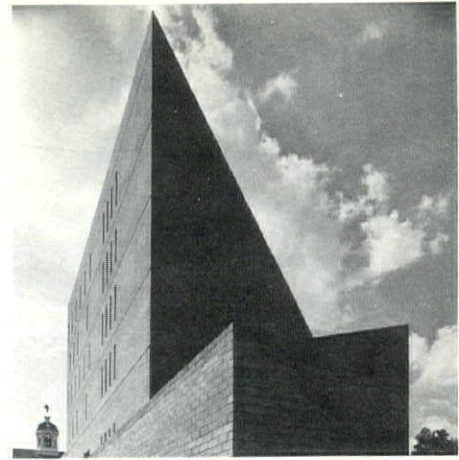
Or take Portland. Michael Graves' post-modern Public Service Building. A landmark before it's completed. Probably the most controversial building design in recent years. A green-and-terra-cotta-colored architectural-applique extravaganza. You love it or you hate it. But even if you hate it, can you doubt that is

going to be the landmark, the place to see in Portland, perhaps even the reason to go to Portland?

Landmarks are symbols. They're architectural flash cards. They're images. Simple, easily comprehended images. You see your Congressman with the view of the Capitol dome behind. You know he is there, in Washington, hard at work, for you. Thank goodness the camera crew could drop by the office so we could have this little chat.

ABOUT THE WRITER

Ralph Snell, in no way, endorses this column's title of "Relevant Reflections," judging it a tad pretentious. He prefers to think of it as "Scattered Musings."

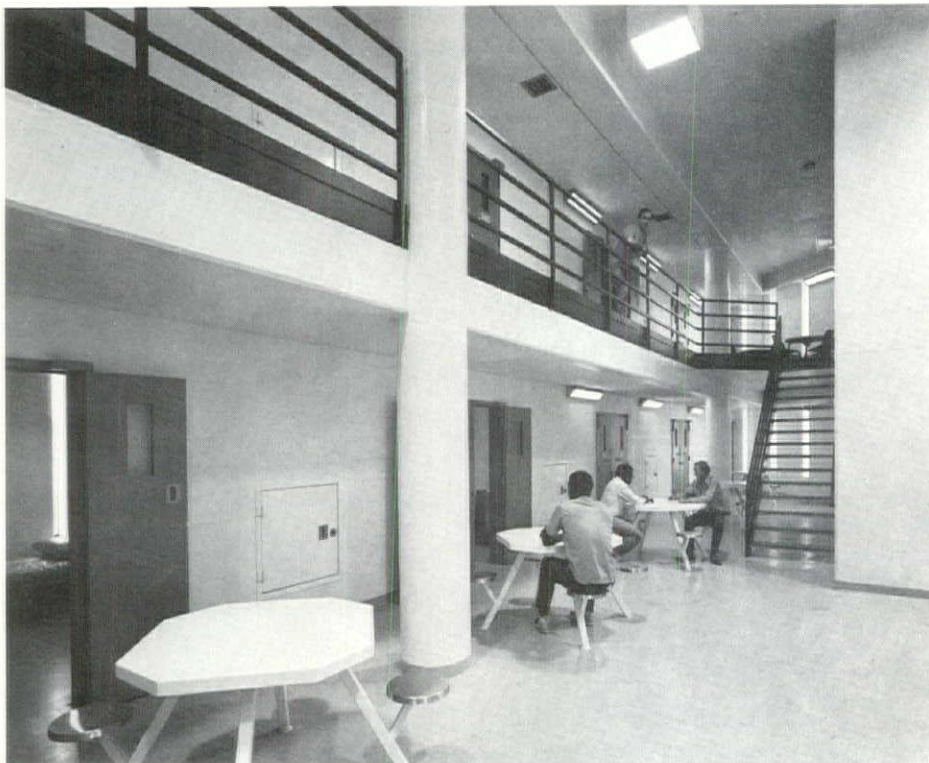


Roanoke County/Salem Jail Facilities

Salem

VVKR Incorporated—Architect/Engineer

Landscape Architect and Interior Design, VVKR Incorporated • Kitchen Equipment, Foodesign Associates • General Contractor, J. M. Turner & Co., Inc. • Photography, Paul Huffman.

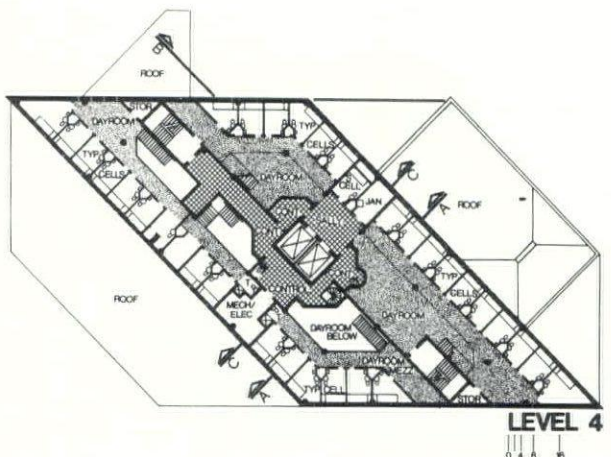
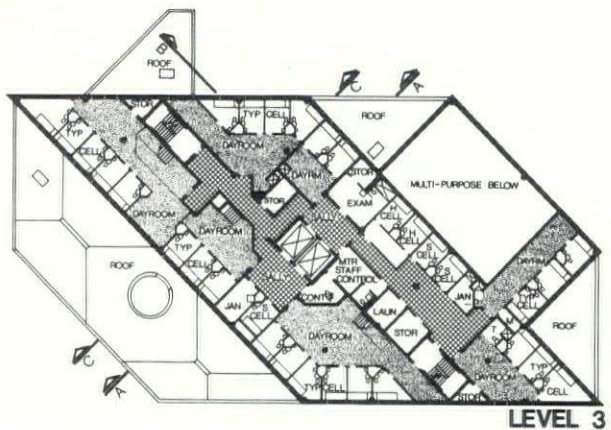
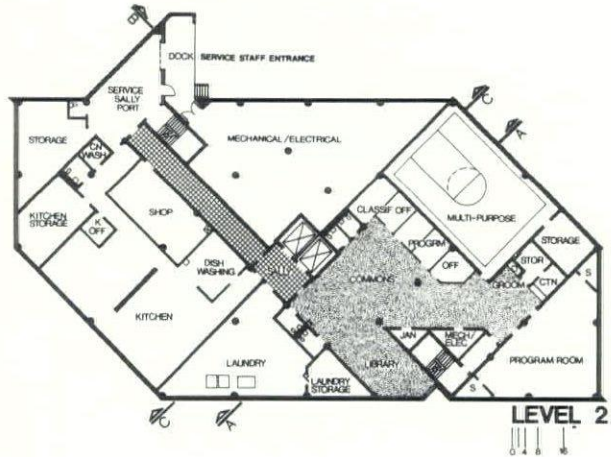
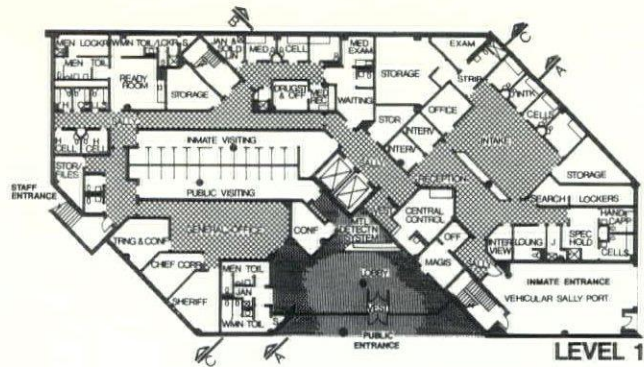


PROGRAM: Comprehensive Jail Facility
SITE: Adjacent to an historic courthouse on the edge of downtown Salem.

SOLUTION: A medium-rise, brick and reinforced concrete structure set back from Main Street to minimize the building's impact on the courthouse. The resulting "front lawn" blends well into the existing fabric of the downtown area. The building's angular form further reduces the facility's impact on the historic courthouse and molds an open space that suggests a relationship between the two buildings.

To meet the demands of the program within the confines of the site, emphasis was placed on maximizing the building's efficiency. Historic concepts concerning the design of detention facilities were abandoned. This facility allows observation of inmate housing units to take place from within a central core, behind mirrored glass. Guards move vertically through the security control core, unseen by inmates. The elimination of long, horizontal circulation patterns allows both a reduction in floor area and personnel. Likewise, inmates can be moved throughout the facility unseen by other inmates; allowing jail officials, for example, to house a juvenile next to a maximum security inmate, when necessary, without fear of danger or exposure.

Typical two-story housing units open to the elevator sally ports only on the main levels. This



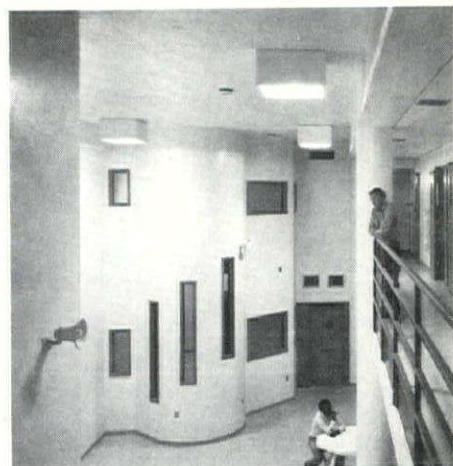
is accomplished by staggering the floor levels of housing units from side to side and by "flip-flopping" the elevator door openings from level to level in the housing area. This arrangement allows continuous observation of sally ports and housing areas by the security core. Dayrooms are adjacent to the elevator sally ports within the security control core. Dayroom toilets and showers may be observed from the control area. Electric locks are controlled from the security control core. Doors leading from dayrooms to exit stairs may be opened by staff in the security control core or the central control during emergency situations. The exit stairs lead to temporary holding areas.

The jail facility works with machine-like efficiency. The security control core monitors the various housing areas. The central control, located at the base of the security control core, organizes, coordinates, and directs the entire jail operation through the use of audio, visual, and remote control lock systems.

J. M. Turner & Company, Inc. of Salem was general contractor and handled carpentry.

Subcontractors & Suppliers
(Roanoke firms unless noted)

Thomas Brothers, Inc., Salem, excavating; S. J. Lackey, sodding, seeding, etc.; Roger Jarels, landscaping contractor; L. H. Sawyer Paving Co., Inc., Salem, paving contractor; The CECO Corp., Richmond, concrete contractor; Valley



Steel Corp., reinforcing; Salem Ready Mix Concrete, Inc., Salem, concrete supplier; Bat Masonry Co., Inc., Lynchburg, masonry contractor; Old Virginia Brick Co., Inc., Salem, masonry manufacturer/supplier; Lightweight Block Co., Inc., masonry supplier; Riverton Corp., Riverton, mortar; Scott Industries, Decatur, AL, steel supplier, miscellaneous metal & handrails; Augusta Steel Corp., Verona, handrails; McClung's, Salem, millwork & paneling; Southeastern Waterproofing Co., Inc., Richmond, waterproofing & exterior wall insulation; and

Commercial Caulking Co., Richmond, caulking. Also, Leonard Smith Sheet Metal & Roofing, Inc., Salem, roofing, roof insulation & foundation insulation; W. H. Stovall & Co., Inc., glass, glazing contractor, windows & storefront (TVS System); Habersham Metal Products Co., Atlanta, GA, metal doors & frames; Skyline Paint & Hardware, Inc., hardware supplier; A & H Contractors, Inc., plaster contractor; B. E. Tile & Terrazzo, Inc., ceramic tile & special flooring; Discount Carpet Center, carpet; Elmer M. Jones Painting & Decorating, Salem, painting contrac-

tor & paint supplier; Glidden Paint & Wallcovering Store, paint manufacturer; Roanoke Iron & Bridge Works, Inc., detention equipment; Dover Elevator Co., Greensboro, NC, elevators; Hajo, plumbing fixture supplier; Lowe & Nelson Plumbing & Heating Corp., plumbing/heating/ventilating/air conditioning contractor; Graybar Electric Co., Inc., lighting fixtures supplier; and Varney Electric Co., Inc., electrical equipment supplier & electrical contractor.

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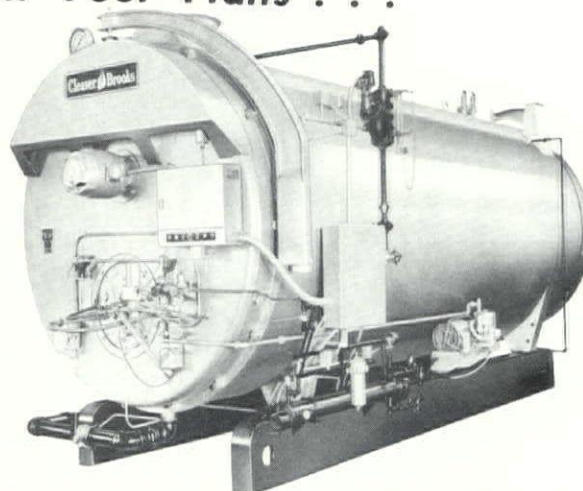
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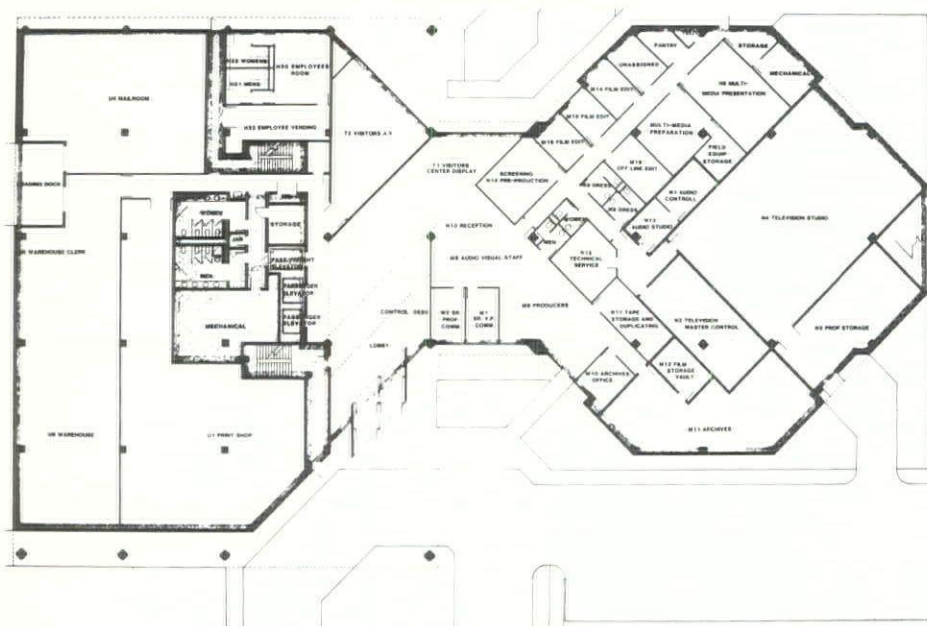
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Landscape Architect, VVKR, Incorporated • Interior Design, Henter/Miller Assoc. • A J Consultants, Hubert Wilke, Inc./Hoppmann Corp. • General Contractor, Eugene Simpson & Bro., Inc. • Photographer-rendered, Art Associates.

United Way of America

Alexandria

VVKR Incorporated—Architect/Engineer



United Way of America is constructing new headquarters in order to expand their service capacity. The project is being funded through private corporate and labor union contributions specifically dedicated for the new facility.

United Way's new 117,246 square foot facility, located in Alexandria, will consist of a five-story administration office building and an adjoining two-story service and training center. A two-story lobby links the facilities.

The 28,000 square foot center will enable United Way to expand their audio visual, communications, and training capabilities in local United Way campaigns as well as to produce United Way media programs for national distribution. The first level of the center will contain a TV and film studio with a 2,400 square foot sound stage and 10,300 square feet of associated production support space. The second level will house the National Academy of Voluntarism. Two classrooms, separated by movable partitions to allow for expansion into larger meeting rooms, provide instruction space for United Way professionals and volunteers. Two more classrooms, smaller meeting rooms and a reception area provide additional space for informal meetings.

The United Way administration building will house administrative offices, printing and mail facilities, and warehouse space. An employee cafeteria will open onto a 52,900 square foot plaza, providing access to the landscaped areas and an adjoining river park. An 83,732 square foot parking garage will provide parking spaces.

(Continued on page 24)

Consulting Architect, Bushey-Burrey, Inc. • Interior Design, Design Collaborative • Civil Engineer, Dewberry, Nealon, Davis • Soils Engineer, Schnabel Engineering Assoc. • General Contractor, CAM Construction Co., Inc. • Photography, VVKR Incorporated.

Frederick County Courthouse

Frederick, Maryland

VVKR Incorporated—Architect/Engineer

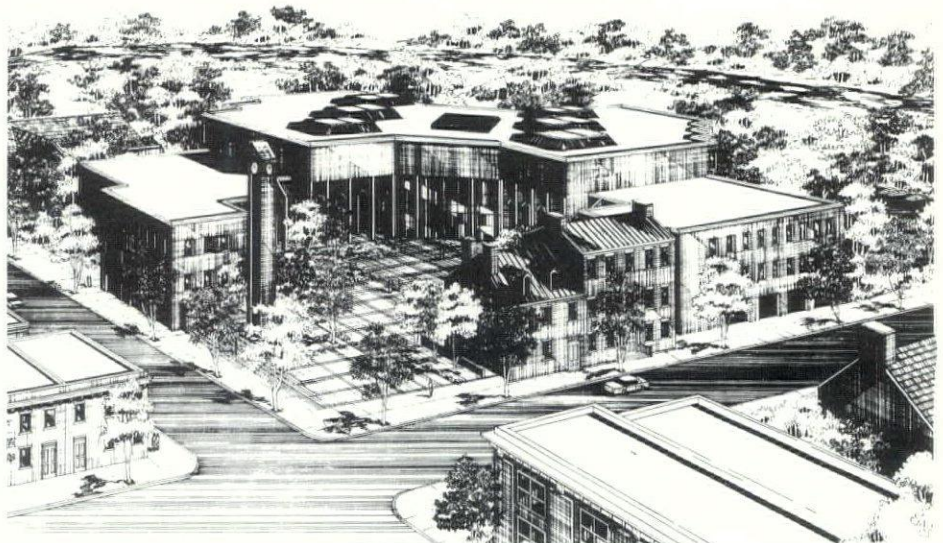
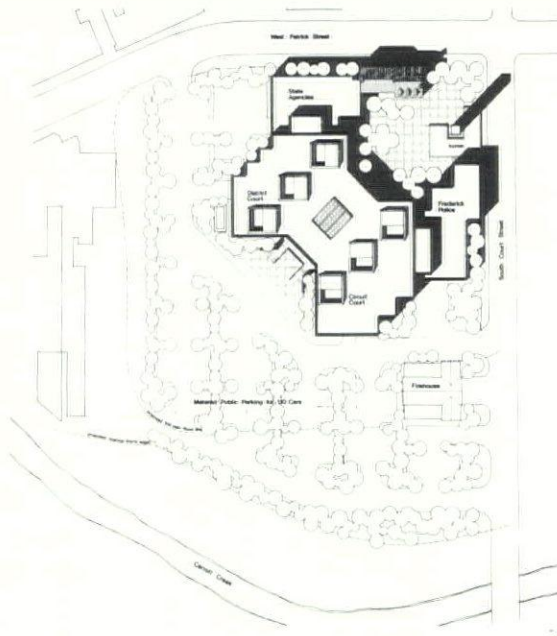
The Frederick County Courthouse and Multi-Service Center was designed to respect the nature of the small, historic town of Frederick, Maryland, while fulfilling the diverse needs of city, county and state offices.

The three-story, 152,825 square foot facility is located on 4.3 acres, adjacent to a number of restored historic buildings, including the Betsy Ross House. To harmonize with the historic area, the Courthouse design utilized a low scale, brick townhouse-like facade at the street line. Small, unadorned windows relate to the residential nature of the neighborhood. Part of the complex includes two pre-1835 houses which are restored and will house the Public Defender's Office. The higher, more massive arcade of courts is set back from the street, muting the "monumentality" of the judicial institution while still establishing a hierarchy of spatial importance.

Visitors approach the courtyard entrance through a landscaped space with a clocktower and large fountain. Benches and shade are available here and use of the area will be encouraged. The courtyard links the building with the community on an exterior level. Inside, the emphasis will continue to be respect without intimidation. A central, skylit atrium will provide a three-level reference point. All courts and supporting offices will be visible from this central space. Corridors will be minimized.

The design philosophy is a consistent one of mutual respect for people. The judges, attorneys and staff will each have their own circulation routes and spatial hierarchy. Visitors and jurors

(Continued on page 25)



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United Way

(From page 22)

The building has extensive passive solar design provisions. Precast architectural concrete encloses this area with insulated drywall faced stud walls on the interior. Long span, architectural precast concrete recessed windows form three sides of the office structure. A horizontal sunshade bar, suspended from the precast spandrel, provides a daylight shelf to reflect light back into the perimeter offices. The sunshade protects the glass from summer solar heat gain. The glass is flush with the precast on the north side to maximize interior space since no solar shading is required. All glass is clear insulation glazing to maximize daylight and winter heat gain. Operable vent windows are provided for fresh air during the temperate spring and fall months. The communications wing is architectural precast concrete with recessed fenestration on limited areas of the second floor.

The mechanical system is designed to meet national energy guidelines. A water to air heat

pump system is in the office building. The communications wing utilizes a variable air volume system. Both mechanical systems use a fresh air economizer feature. This utilizes low humidity outside air for cooling the interior zones of the building during the fall, winter and spring months. Thermal water storage tanks in the garage recover excess mechanical equipment and TV studio area heat for use in the heat pump system during the winter months. The mechanical plant and cooling tower are located on a roof penthouse.

Energy efficient light fixtures complement the maximum daylight design provisions in the building.

Open plan offices are in 70% of the administrative areas. A recently developed "flat wire" electrification and telephone system will be used to service open plan work stations. This gives added flexibility over conventional systems in future relocation of work stations. A 1,200 square foot computer room is located on level four. And, a distribution network of audio visual information to designated offices from the communications facility is designed into the building.

Eugene Simpson & Bro., Inc. of Alexandria is general contractor for the project.

Subcontractors & Suppliers

John Driggs Co., Inc., Capitol Heights, MD, excavating; Franki Foundation Systems, Arlington, piling; Trowbridge Steel Co., Inc., Sterling, foundations & reinforcing; Curry Concrete Construction, Inc., Alexandria/John J. Kirlin, Inc., Rockville, MD, concrete contractors; Virginia Concrete Co., Inc., Springfield, concrete supplier; Globe Iron Construction Co., Inc., Norfolk, steel supplier/erection/joists/roof deck & other roof deck; and Superior Iron Works, Inc., Sterling, miscellaneous metal & handrails.

Also, Peter Gordon Co., Inc., Capitol Heights, MD, roofing & waterproofing; Swingin' Door Inc., Rockville, MD, wood doors; James A. Cassidy Co., Inc., Beltsville, MD, windows; Associated Glass Co., Inc., Fairfax, window wall; Kawneer Co., Inc., Harrisonburg, storefront; and Dover Elevator Co., Rockville, MD, elevators.

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Frederick County Courthouse

(From page 23)

and witnesses will have their own paths and spaces. These merge at the central atrium and the courtyard, both points of respect. The courts are located on the top floor of the facility, and are the only functions on that floor.

A steel beam and column structural system with concrete foundations was selected for ease of construction and low cost. The steel system also allowed masonry work to proceed on a separate schedule.

The facility is naturally divided into a number of individual zones. Heat pumps are used throughout the project for flexibility and energy conservation. Exterior rooms contain through-wall heat pump units. Interior zones are conditioned by a series of heat pump units which handle air.

The exterior of the building is predominantly brick and glass. All windows are operable and set in thermal break aluminum frames. Brick arches and pavers add warmth to the exterior facade.

Interior spaces use a palette of carpet, oak wood, ceramic tile paving, brick and drywall. Areas exposed to continual public use contain materials which will wear well under this strain, such as wood, tile and brick.

Glass is used both inside and outside the project to admit natural light and to achieve a sense of openness. For example, glass is used in the rear walls of the elevators and at most handrails to allow visitors to visually relate to the atrium area (as a point of reference) at all times while going from one floor to the next.

The Courthouse/Center uses both passive and active systems. Zoning of interior spaces allows passive design to be best utilized. It is not necessary to heat or cool more than small areas of the building at a time. This is vital for a building which has staggered use patterns, including evening hours.

The central, skylit atrium admits daylight and winter sun. Each courtroom also has skylights for the same purpose. Insulated shades are integrally designed into the glazing to retain heat in the winter.

Flat plate solar collectors are mounted at each courtroom skylight (six arrays) to provide supplementary, active solar heating. Water is pumped to storage tanks.

Ventilation is available through large, operable windows. The occupants will be encouraged to use this passive system.

The thermal mass of the building is a prime energy consideration. Brick, tile and concrete are used to absorb and retain solar energy. This heat is reradiated at night due to natural time/thermal lag.

Four distinct circulation systems are designed into the project, systems for: judges, prisoners, staff and public.

Judges enter secure parking areas and proceed to keyed elevators which take them to their chambers. The route from chambers to courtrooms is through a secure corridor, monitored by TV cameras. In the courtroom, all current electronic security measures are incorporated. Prisoners are received into a high security, sheriffs' parking area and taken to holding cells adjacent to the courtrooms. No circulation cross-over is possible. A system of inner corridors links all office and support spaces for staff. This system somewhat isolates staff from public. Public movement is centered in the central

atrium space. Entry to each "department" is gained by approaching a walk-up counter. At this point, business can be handled or the visitor can be directed to an inner office.

The Frederick County Courthouse and Multi-Service Center was cited by the American Institute of Architects and the American Correctional Association for its "sensitive and complete design solution to a complex planning and engineering assignment."

CAM Construction Co., Inc. of Cockeysville, Maryland is general contractor and is handling masonry supply and mortar.

Subcontractors & Suppliers

Landscape Forms, landscaping contractor; Hastings Pavement Co., Inc., Bel Air, MD, paving contractor; Capitol Steel Construction Co., Inc., Hillcrest Heights, MD, foundations & reinforcing; Dance Bros., concrete contractor; Lanver Masonry, Inc., masonry contractor; Victor Cushwa & Sons, Williamsport, MD, masonry

manufacturer; Piercy & Sutton, Inc., Baltimore, MD, steel supplier/erection/joists/roof deck; Roanoke Iron & Bridge Works, Inc., Roanoke, miscellaneous metal; Geyer Lumber Co., Inc., Chambersburg, PA, millwork; and Beltway Waterproofing Co., Inc., Baltimore, MD, waterproofing.

Also, R. D. Bean, Inc., Beltsville, MD, built-up roof & other roofing; Hope's Windows, Silver Spring, MD, windows; Kawneer Co., Inc., Harrisonburg, storefront; Leonard Jed Co., Baltimore MD, hardware supplier; The Howard P. Foley Co., Baltimore, MD, plaster contractor & gypsum board contractor; Frederick Tile Co., Frederick, MD, ceramic tile; Harrison Wood Floors, Baltimore, MD, special flooring; Westinghouse Elevator, Upper Marlboro, MD, elevators; Chesapeake Sprinkler Co., Glen Burnie, MD, sprinkler contractor; C & H, Baltimore, MD, plumbing/heating/ventilating/air conditioning contractor; and Odenton Elec. Co., Inc., Odenton, MD, electrical contractor.

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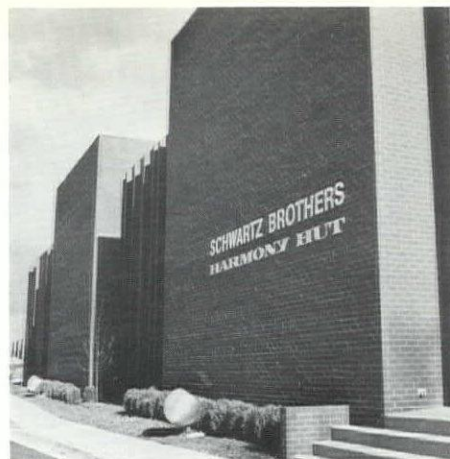
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Schwartz Bros. H.Q. Building (And Harmony Hut Music, Inc.) Lanham, Maryland **Marvin J. Cantor, AIA—Architect**

Project Chief for Architect, Joyce Woodford, Associate AIA • Landscape Architect, Marvin J. Cantor, AIA • Interior Design, Ellen Brotman • Mechanical/Electrical Engineer, Murray Blitz & Associates • Structural Engineer, KCE Structural Engineers, Inc. • Civil Engineer, Ben Dyer & Assoc. • General Contractor, M. Cladny Construction Co., Inc. • Photography, Harold Foelak.

In August 1980, The Schwartz Brothers, a wholesale record and music equipment distributing company, along with their subsidiary, Harmony Hut, a retail record and music equipment supply chain of stores, announced the opening of their home offices and main warehouse distribution center in the Washington Business Park, Lanham, Maryland.

Architect for the 93,000 square foot, \$3.5 million project was the office of Marvin J. Cantor, A.I.A. & Associates of Fairfax. The general contractor was the M. Cladny Construction Company of Washington, D.C.

The project has over 31,000 square feet of office areas, and over 61,000 square feet of stor-

age and processing area, along with parking facilities for over 160 vehicles.

A chocolate brown brick facing was chosen for all the exterior perimeter walls, complemented by bronze tinted glazing and matching brown mortar.

A number of energy conservation features were integrated with the structure, including dual glazing, heat pump units for office areas, extensive skylighting in the warehouse area to make maximum use of natural daylight, mercury vapor lighting in lieu of incandescent lighting, and fully insulated exterior walls around office areas, and floor slab perimeter insulation





throughout. In addition, the entire roof deck is insulated with dual glazed skylights.

Interior decorating and design was by Ellen Brotman.

The entire project was financed by an industrial bond issued by Prince Georges County and the State of Maryland as part of their joint efforts in attracting new, desirable, and "clean" industries to their industrial areas.

M. Cladny Construction Co., Inc. of Chevy Chase, Maryland, the general contractor, also handled foundations, concrete work, reinforcing, carpentry, paneling, cabinets, waterproofing, caulking, wall insulation, foundation insulation and gypsum board work.

Subcontractors & Suppliers

John Driggs Co., Inc., Capitol Heights, MD, excavating; Dominion Caisson Corp., Alexandria, piling; Frank's Landscaping, Bowie, MD, sodding, seeding, etc., landscaping & landscaping contractor; Day Co. Paving, Rockville, MD, paving contractor; Maryland Masonry Contracting Corp., Rockville, MD, masonry contractor; Brick & Tile Corp., Lawrenceville, masonry manufacturer; United Materials & Services, Inc., Springfield, masonry supplier & mortar; Adams Fabricated Steel Corp., Washington, DC, steel supplier/erection/joists/roof deck; W & W Fabrication, Inc., LaPlata, MD, miscellaneous metal; Ivan C. Dutterer, Inc., Hanover, PA, millwork & wood doors; and Orndorff & Spaid, Inc., Beltsville, MD, built-up roof & roof insulation.

Also, General Glass Corp., Wheaton, MD, glass, glazing contractor & windows; Yeatman Hardware, Clinton, MD, metal doors & frames & hardware supplier; U. S. Tile & Marble Co., Inc., Washington, DC, ceramic tile; Hudson Supply & Equipment Co., Washington, DC, acoustical treatment & resilient tile; American Capitol Contr. Corp., painting contractor; Glidden Paints, Solon, OH, paint manufacturer; Overhead Door Co. of N. Washington, Beltsville, MD, specialties; Steel Products, Inc., of Rockville, MD, equipment; Montgomery Elevator Co., Rockville, MD, elevators; Fire Protection Systems, Fairfax, sprinkler contractor; Wallmark Bros., Inc., Marlow Heights, MD, sheet metal, plumbing fixture supplier & plumbing/heating/ventilating/air conditioning contractor; Dominion Electric Supply Co., Arlington, lighting fixtures/electrical equipment supplier; and Dynalectric Co., Vienna, electrical contractor.

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A. D. Whittaker Construction, Inc.

Office Building, Ashland

Fraher and Harrison—Architects

Interior Decorator and General Contractor, the Owner
• Photography, Fraher and Harrison.

When A. D. Whittaker Construction, Inc. decided to build a new building, they wanted something other than the usual metal building with modified front facade which has become so

prevalent in many industrial parks. However, although they desired a different look, they still wanted a structure that reflected simplicity, economy and expandability.

The resulting design consists of wood-framed structure having stained redwood siding and cedar shake roof. The building is designed so that all roofs are framed with identical 16-foot-long prefabricated wood trusses—a feature that lends itself to both economy and expandability.

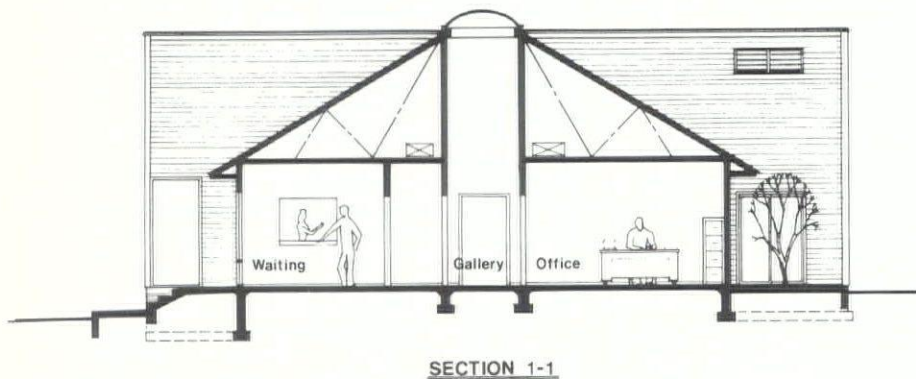
The plan centers around a gallery which serves as a major circulation element as well as an area in which to display photographs of the firm's work. The gallery is naturally lighted by a double-domed, barrel-vaulted skylight that extends for the full length of the space.

Typical interior finishes are gypsum board walls and ceilings and carpeted floors. Windows are single-hung wood. The heating and cooling system is electric heat pump, with the air-handling equipment located in the attic and the condensing units located on the ground.

The owner, A. D. Whittaker Construction, Inc. of Ashland acted as general contractor and handled excavating, sodding, seeding, etc., foundations, concrete work, carpentry and caulking.

Subcontractors & Suppliers (Ashland firms unless noted)

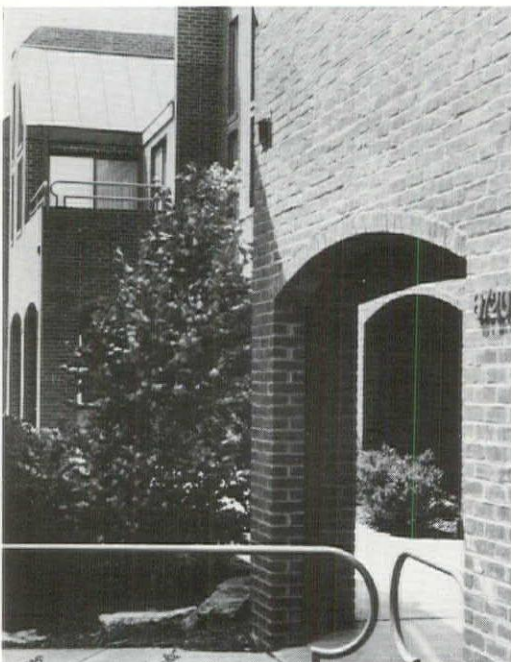
Laird's Nursery, Richmond, landscaping; Bowker & Roden, Inc., Richmond, reinforcing; Tide-water Materials Corp., Richmond, concrete supplier; Boschen Masonry, Inc., masonry contractor; Hanover Fabricators, structural wood trusses; Virginia Builders Supply, Inc., millwork, paneling, wood doors & windows; Jacobs Ladder General Contracting, wood shakes roofing; Davenport Insulation, Inc., wall insulation; Pleasants Hardware, Richmond, hardware supplier; John DeGaetani, Inc., gypsum board contractor; H. E. Satterwhite, Inc., ceramic tile; Barney's Carpet Center, Richmond, carpet; M. P. Barden & Sons, Inc., Richmond, painting contractor & wall covering; Colonial Mechanical Corp., plumbing/heating contractor; Tolley Electrical Corp., Glen Allen, electrical contractor; and Wasco Products (James G. Thayer), Richmond, skylights.



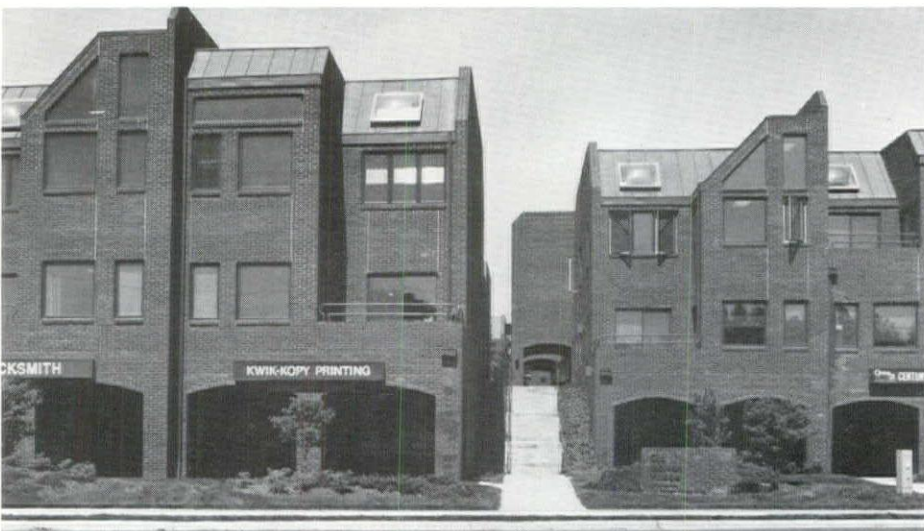


Two Projects by Thomas G. G

Old McLean Village McLean



Mechanical/Electrical/Structural/Civil Engineer,
Dewberry, Nealon & Davis • General Contractor,
Kettler Bros., Inc.



In a marketplace saturated with glass box commercial office complexes, the townhouse office condominium provides a unique and marketable type of office space. With ever increasing construction costs and land prices, plus complex financing, typical commercial development has become unattractive to the average investor. However, by selling the units outright, usually prior to or shortly after construction completion, the developer can avoid long-term financing and realize a quick return on his investment. To the users, condo offices offer the unique opportunity to purchase the office space. Besides the obvious tax advantages, the owner/users are protected against rent increases and they can also gain equity as they use their property.

The townhouse-type structure is a natural choice for those who want to own their office space, in addition to inherent unit separations and entrances, townhouse structures offer unique and stylized office space on a personal scale which is not available in office buildings. With slight modifications one can turn what is traditionally a residential use structure into a high quality professional office project.

The firm of Thomas G. Georgelas & Associates has had the opportunity to design two such townhouse office projects in McLean.

The first project—Old McLean Village, consists of 14 three-story units and three two-story units ranging in size from 2,000 square feet to 3,200 square feet per unit. The units are sited in clusters of two to four units each; the groupings are oriented in a cul-de-sac-like manner. Breaks between the groups allow access to the perimeter parking areas.

The undulating facades are combinations of traditional elements such as standing seam copper roofs, balconies, arched arcades and window types, modified by contemporary abstractness. The series of covered arcades provide a pleasant pedestrian scale walkway



elas & Associates—Architect

Curran Square McLean

Mechanical/Electrical Engineer, Girard Engineering Ltd. • Structural Engineer, Funkhouser Associates • Civil Engineer, J. E. Rinker Associates • General Contractor, Kettler Brothers, Inc.

while also serving as a visual link between the clusters of units.

Typical plans for the units were designed to maximize the perimeter office space. The stairwell and mechanical core are located along one side of the unit. This allows for development of offices at either end of the unit where most of the windows are located.

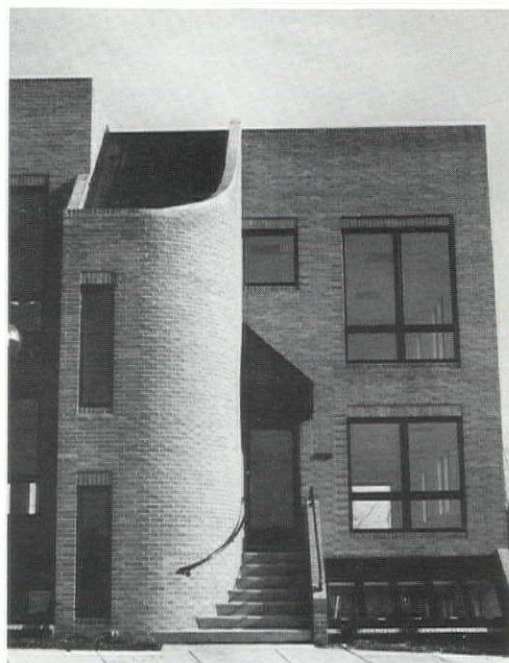
The second level of each unit has a 10' finish ceiling and the area adjacent to the balconies slopes to a 12' finish ceiling, making this floor excellent for executive offices and conference rooms.

The plan makes use of the sloping site to provide grade entry on both the lower level and the first level. This is an important marketing feature because it allows for separate entrances for units with more than one tenant. Each level also has a separate heat pump unit and electric panel allowing individual tenants to control their own utility costs.

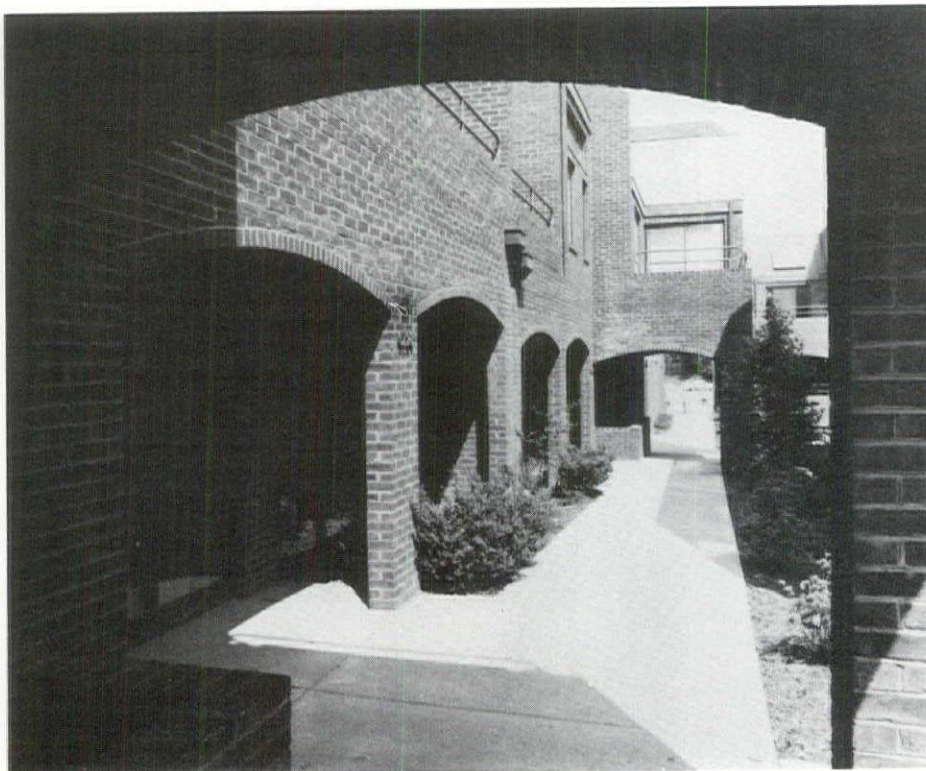
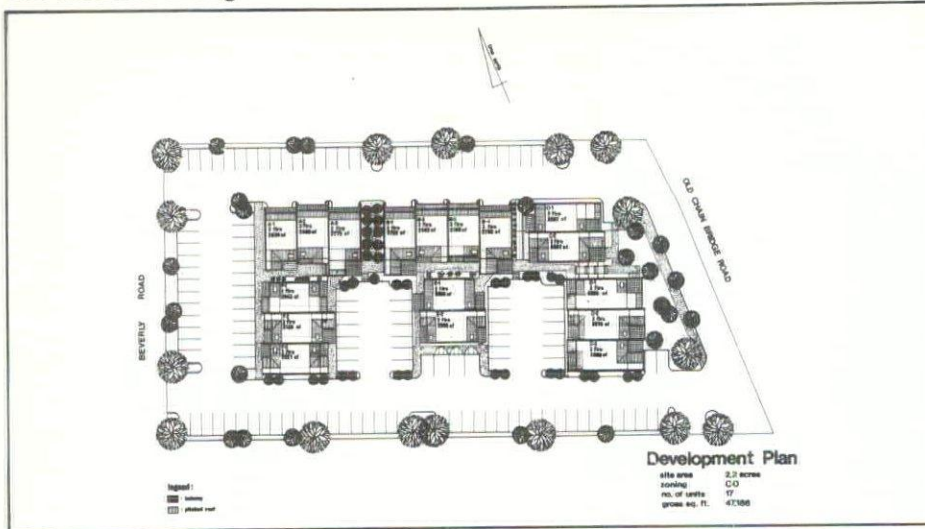
Curran Square, the second townhouse condo project, while starting with essentially the same program as Old McLean Village, evolved into an entirely different solution. Unlike Old McLean Village which has a topological solution, Curran Square's site dictated a more linear, rigid approach.

The project consists of 17 three-story units. The thrust of the project is its relationship to the street; the resulting solution is a picturesque sequence of repetitive facades along both sides of the street. Again, the facade is a combination of abstractions of some traditional residential rowhouse elements, including gable roof lines and symmetrical window placement. The glass entry atrium is cocked at an angle to directly address the street. Stepping the units helps to visually separate one unit from the next and reinforces the repetitive facade.

Another change from the OMV project is the floor plan. In this plan the stairway and mechanical core have been pulled to the rear of the unit



Old McLean Village



which allows for vertical circulation without entering the main office areas and also provides a large uninterrupted space for office development.

The upper floor has a 9'-6" finish ceiling height with the front 12 feet of each unit having a high cathedral ceiling. The areas are especially suitable for executive offices. Skylights were added to the rear of the unit to provide maximum natural light to the lower level which is partially below grade. To accommodate the possibility of more than one tenant per unit, grade level entrances were provided on the lower and main levels. Each level also has a separate heat-pump unit to allow for more flexible tenant layouts.

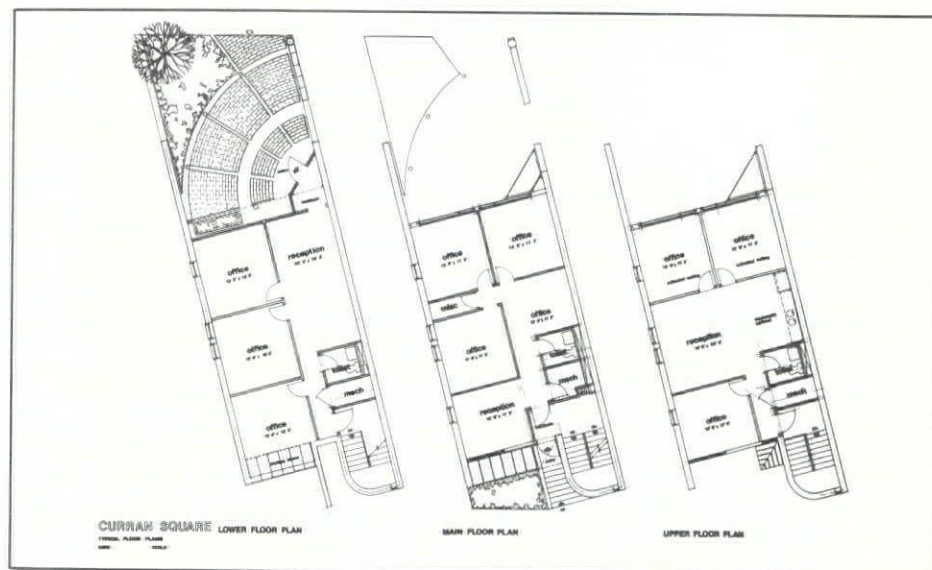
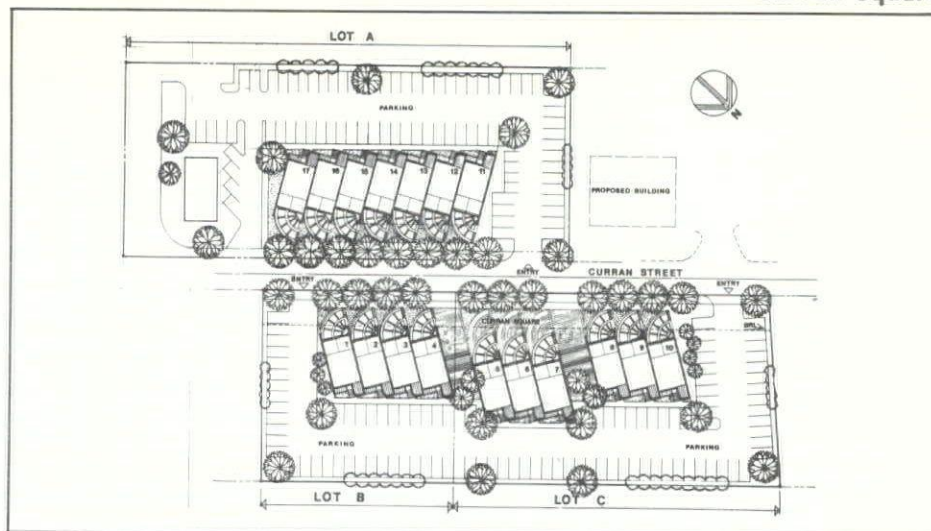
Kettler Brothers, Inc. of Gaithersburg, Maryland was general contractor for both projects.

Subcontractors & Suppliers

OLD McLEAN VILLAGE

C. L. Mills Construction, Inc., Gaithersburg, MD, excavating; Gardens International, Rockville, MD, landscaping contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Concrete Structures, Inc., Richmond, pre-stressed concrete; Maryland Masonry Construction Corp., Arlington, masonry contractor; Potomac Valley Brick & Supply Co., Rockville, MD, masonry supplier; Southern Iron Works, Inc., Springfield, steel supplier; W & W Fabrication, Inc., La Plata, MD, miscellaneous metal; Herndon & Anderson, Springfield, millwork; The Bethesda Asphalt & Bituminous Co., Rockville, MD, waterproofing; and Tonstad Caulking Co., Inc., Alexandria, caulking;

Also, R. D. Bean, Inc., Beltsville, MD, built-up roof & sheet metal; Davenport Insulation, Inc., Springfield, roof/wall/foundation insulation; House of Glass, Inc., Rockville, MD, glazing contractor & storefront; Swingin' Door, Inc., Rock-



ville, MD, wood doors; James A. Cassidy Co., Inc., Beltsville, MD, windows; J. B. Kendall Co., Washington, DC, hardware supplier; Juger Co., Arlington, gypsum board contractor; J. R. Redden Co., Manassas Park, painting contractor; A-Citywide Cooling & Heating Co., Inc., Annandale, plumbing contractor; Air Comfort Contractors, Inc., Springfield, heating/ventilating/air conditioning contractor; and Coastal Electric Corp., Fairfax, electrical contractor.

Subcontractors & Suppliers CURRAN SQUARE

C. L. Mills Construction, Inc., Gaithersburg, excavating; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; Nitterhouse Concrete Products, Inc., Chambersburg, PA, prestressed concrete; Magna Masonry, Inc., Rockville, MD, masonry contractor; L. C. Smith, Inc., Alexandria, masonry supplier; Southern Iron Works, Inc., Springfield, steel supplier; Miscellaneous Metals, Inc., Mt. Airy, MD, miscellaneous metal; Gaithersburg Lumber & Supply Co., Inc., Gaithersburg, MD, structural wood; Herndon & Anderson, Springfield, millwork; Reston Pressure Seal, Reston, waterproofing; and Tonstad Caulking Co., Inc., Alexandria, caulking.

Also, R. D. Bean, Inc., Beltsville, MD, built-up roof; Chesapeake Insulation, Gambrills, MD, roof/wall/foundation insulation; Swingin' Door, Inc., Rockville, MD, metal doors & frames, wood doors & hardware supplier; James A. Cassidy Co., Inc., Beltsville, MD, windows & storefront; Emco Construction Co., McLean, gypsum board contractor; J. R. Redden Co., Manassas Park, painting contractor; Acker & Sons, Inc., Kensington, MD, plumbing contractor; Air Comfort Contractors, Inc., Springfield, heating/ventilating/air conditioning contractor; and Congressional Electric, Inc., Gaithersburg, MD, electrical contractor.



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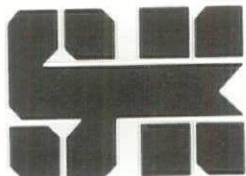
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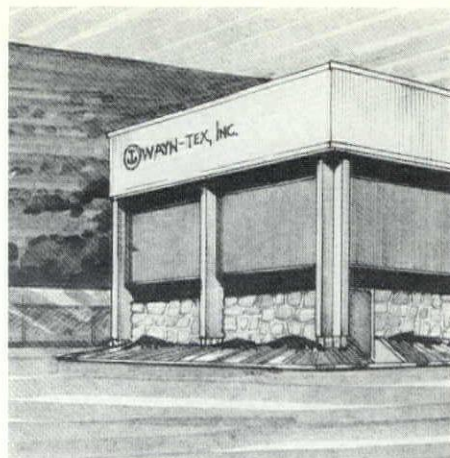
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Wayn-Tex, Inc.

Office Building, Waynesboro

Craig & Daughtry—Architect/Engineer

Mechanical/Electrical Engineer, Systems II • General Contractor, J. B. Wine & Son, Inc.

In the spring of 1980 Wayn-Tex, Inc., a Waynesboro based manufacturer of polypropylene yarn, decided to locate the corporate headquarters in a new addition to the existing plant. The corporate offices for the president, vice presidents, marketing and data processing needed approximately 10,000 sq. ft. of office area and a combined lobby reception area for the existing plant. The site was in a parking lot, immediately to the east of the existing plant entrance.

The budget was extremely tight and required a high density building with an economical design. The solution was a pre-engineered building with a conventional first floor wall and second floor framing system.

The first floor masonry wall was clad with cultured stone veneer by Stucco Stone of California and Dryvit between the windows. The second floor walls, roof and mansard were standard pre-engineered steel panels. The main building was connected to the existing brick

office building by a one-story glazed lobby and reception area. The lobby overlooks a landscaped courtyard and the plant guardhouse.

The foundation of the building is covered by a landscaped berm which allowed the architect to minimize the amount of exterior finish on the first floor and caused minimum interruption to the parking lot. The steel main frames were covered in Dryvit and formed vertical pilasters on the exterior of the building which emphasized the interior structural aspects of the building. The first floor walls recede into the building to allow shading on the first floor windows and the facade at the roof line shades the second story windows.

Colors of the pre-engineered building material were coordinated with the owner's selection in stone veneer. The existing plant building has since been painted to match these colors.

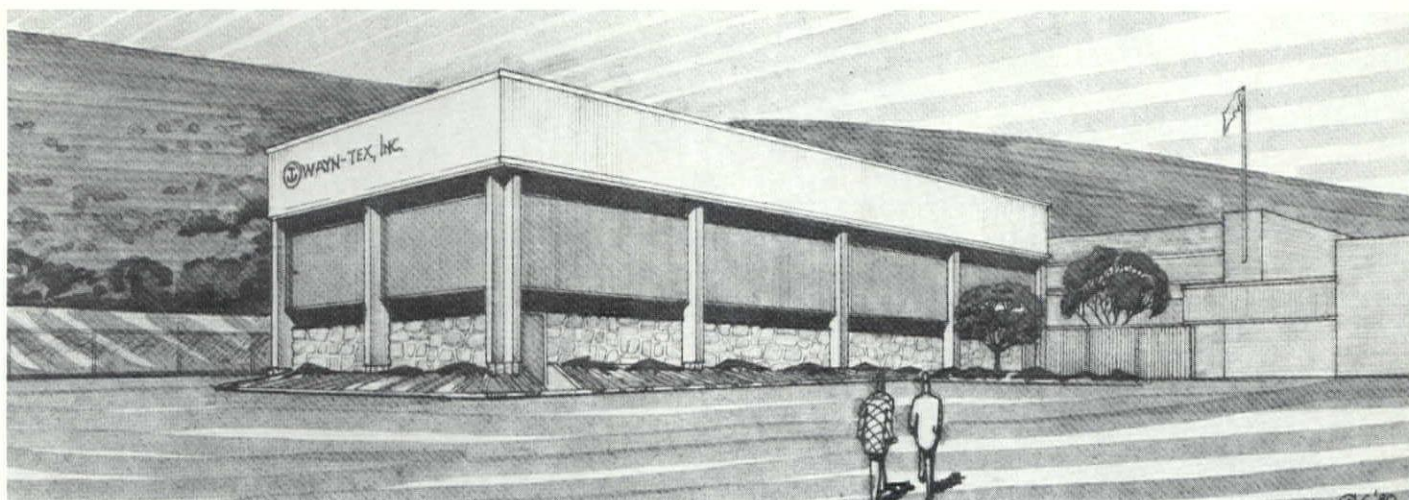
Heating for the building comes from the existing gas-fired steam system in the plant.

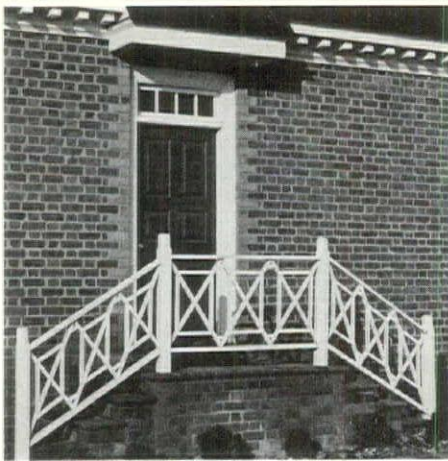
J. B. Wine & Son, Inc. of Staunton was general contractor and handled foundations, concrete work and reinforcing.

Subcontractors & Suppliers

Staunton firms were: Staunton Landscape & Garden Center, landscaping; Painter's Roofing & Heating, Inc., built-up roof; Holsinger Lumber Co., wood doors; Wilson Bros., painting contractor; and R. W. Cash Mechanical Contractors, Inc., plumbing/heating/ventilating contractor.

Others were: Roy H. Harner, Waynesboro, excavating; Allied Ready Mix Co., Waynesboro, concrete supplier; Earth Stone, Inc., Fishersville, stonework contractor; Stucco Stone of California, stonework supplier; Augusta Steel Corp., Verona, metal doors & frames & hardware supplier; Manson & Utley, Inc., Charlottesville, plaster contractor & acoustical treatment; Viking Fire Sprinkler Co., High Point, NC, sprinkler contractor; Myers & Whitesell, Inc., Waynesboro, electrical contractor; and ARMCO, Inc., Middletown, OH, pre-engineered steel building.





Cogbill Law Office Building

Chesterfield Courthouse, Chesterfield

Huff, Morris, Cox & Associates, Inc.—Architect/Engineer

The Cogbill Law Office Building was designed around the special needs of its occupants, Oliver D. Rudy and Herbert C. Gill, Jr., Attorneys-at-Law, and is owned by the attorneys and Theodora Cogbill Tomlin. It is located in a setting of mature trees and Colonial buildings on the historic Courthouse Square in Chesterfield County.

This story-and-a-half brick building, with cedar shingled roof and painted wood trim and cornice, reflects the character of its neighbors and quietly uses Georgian detailing to accent its otherwise simple form. Hand-moulded brick steps, Chippendale porch railings, rubbed brick jack arches, and corners, along with the dormer windows exemplify this attention to detail. Facing on the square, the law office is easily accessible walking from the Courthouse or from the entrance road and parking area off Ironbridge Road.

Inside the 3,850 square-foot building, six private offices surround a central reception area adjacent to secretarial offices and a conference room. Leading from there, is an open stairway to five additional offices on the second level. File rooms, toilet rooms, and a snack food area complete the layout.

The interior decor complements the Colonial exterior with painted wood mouldings and cornice, custom book cases and cabinetry built in the field, full-raised panel doors, and appropriate furnishings by the owners. The basic fluorescent lighting is supplemented by decorative brass chandeliers. Offices are heated and cooled

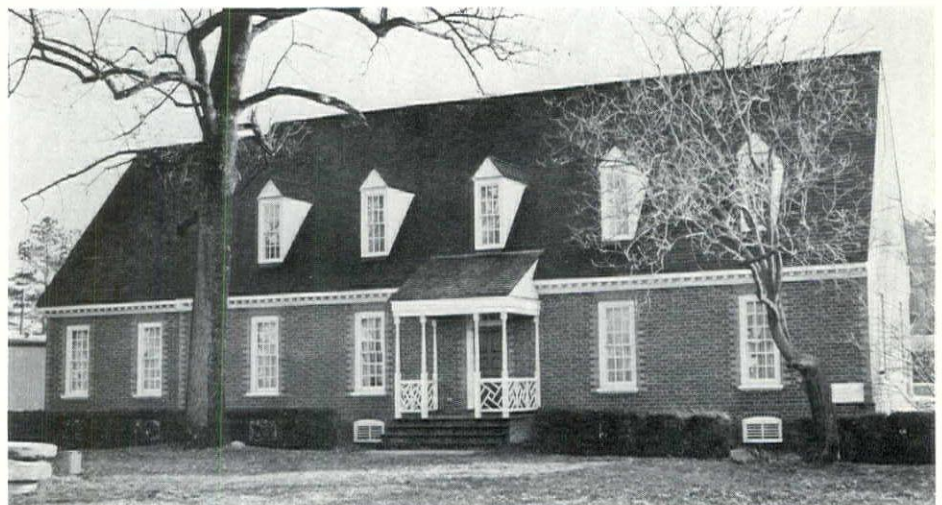
by two heat pump systems; the building, itself, being insulated beyond normal standards.

The owner acted as his own general contractor on this project.

Subcontractors & Suppliers

Etheridge Electric, Inc., Richmond, electrical contractor; John N. Sanderson Plumbing & Heating, Richmond, plumbing; George Kcraget, Richmond, brick work; Claude R. Archer, Richmond, painting; Frank Webb, drywall; Cody's Roofing, roofing; and Waltman Heating & Electrical Contractors, Inc., Petersburg, heating work.

Interior Decorator, Interscapes, Inc. • General Contractor—the Owner • Photography, J. Carl Morris, AIA.



Walthall Construction Corporation

GENERAL CONTRACTORS

P. O. Box 267

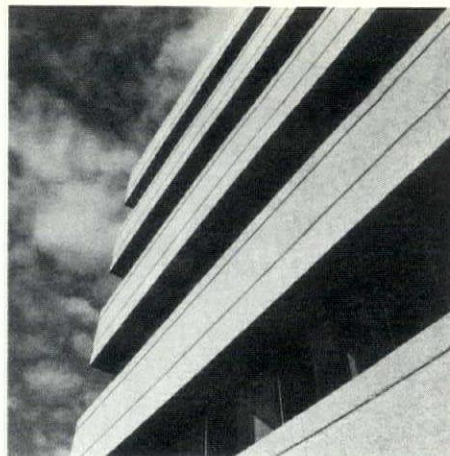
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CENTEC Building

Reston

Cross and Adreon—Architects

The CENTEC Building is a second-generation energy-efficient design for a speculative office building. Its predecessor was designed in 1974 and was chosen by the Virginia Society for its Energy Award in 1979. At first glance, there seems little difference between this project and the Dynalelectron Building in McLean. The CENTEC has two additional floors and is reversed in plan. The ground floor is quite different to accommodate a different site condition. The building code has changed in many respects between the two designing periods, so that all plans and details had to be re-thought. Better methods have been developed and others made more attractive.

A free-cooling component became cost-effective for CENTEC. The emergency white and exit lights are on a central isolatable circuit. Air-handling light troffers have been combined with saddle boots and standard ceiling components to provide better flexibility at less cost. The elevators are bigger; the insulation is better; the glazing systems are simpler; the introduction of banking and food service tenants affected the design. The building mass is more of a cube which adds a margin of efficiency to heat gain and loss through the envelope.

This is a very successful speculative office building. The entire building and site utility costs are running less than \$1.20/sf. The construction cost of 77,000sf was \$37.65/sf. The rent structure is therefore very attractive for tenants while pleasing the investors. The operating costs will be more stable in this building than in more traditional structures, a factor recognized by the tenants. An hydronic heat-pump system backed up by two huge water storage tanks, a stand-by boiler, and a cooling tower, allows for the capture and re-use of waste heat from people, lights, machines, and sun-flooded spaces. Overhangs, tinted and insulated glass, and blinds reduce the summer heat gain.

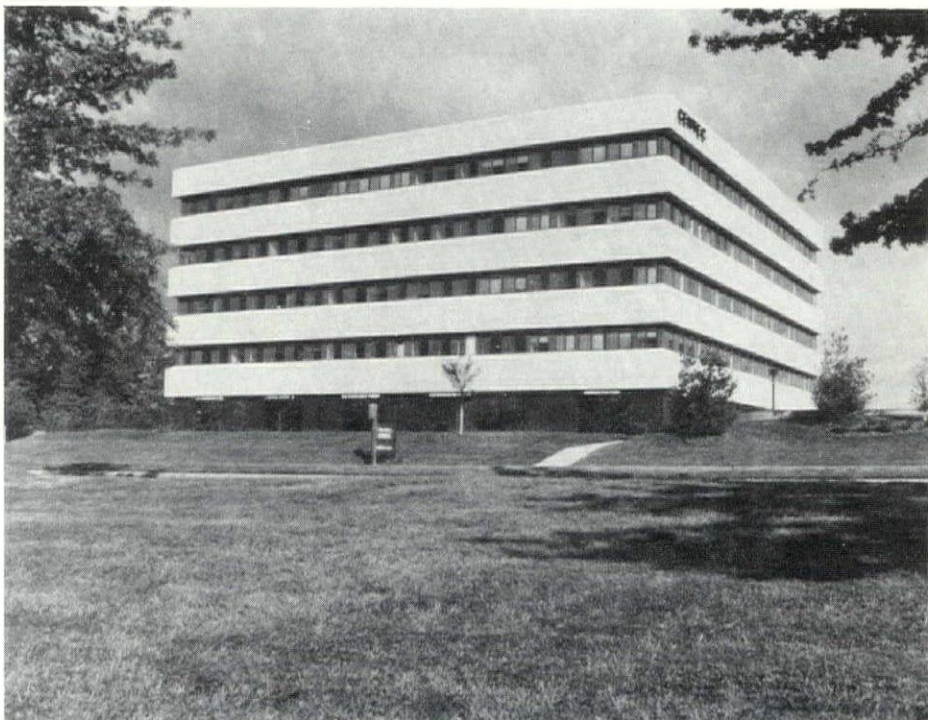
Owner: Roger Bacon Associates.
 %Robert Furman, General Partner
 Operations: Wellborn Properties
 Contractor: Furman Builders, Inc.
 Financing: Koonen and Montgomery
 Size: 77,000 sf
 Cost: \$2,889,000.00
 Completed: 1980
 Major tenants: CENTEC Corporation.
 SCS Engineers. Huthwaite Corp.
 Wellborn Realty. 1st American Bank.
 Intech Systems, Inc.

Mechanical/Electrical Engineer, McDavid Grotheer and Co. • Structural Engineer, Meyer Associates • Civil Engineer, Kurt Pronske, PE • General Contractor, Furman Builders, Inc. • Photography, Maxwell Mackenzie.

Furman Builders, Inc., of Rockville, MD, was general contractor and handled foundations, concrete work and painting.

Subcontractors & Suppliers

ABA Excavating, Bethesda, MD, excavating; John Alden, Reston, landscaping; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; TECFAB of Maryland, Inc., Beltsville, MD, precast concrete; Universal Masonry, Great Falls, masonry contractor; Lynchburg Steel & Specialty Co., Monroe, steel supplier & steel



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roof deck; American Iron Works, Inc., Bladensburg, MD, steel erection; Vulcraft, Florence, SC, steel joists; Herndon Lumber & Millwork, Inc., millwork; Uniseal—C. Murphy, Weston, Ontario, waterproofing; Owens-Corning, Jessup, MD, built-up roof; Chesapeake Insulation, Gambrills, MD, wall insulation; and Service Glass Industries, Inc., Frederick, MD, glass.

Also, Metal Specialties Co. of Va., Vienna, metal doors & frames & hardware supplier; Acorn Building Components, Inc., Merrifield, windows; AAA Thermal Windows & Doors, Fairfax, window wall; Dominion Applicators, Inc., Falls Church, gypsum board contractor; A & S Ceramic Tile Co., Frederick, MD, ceramic tile; Fairfax Tile & Carpet Co., Inc., Alexandria, carpet; McCormick Paint Works Co., Rockville, MD, paint supplier; U. S. Elevator Co., Beltsville, MD, elevators; Virginia Sprinkler Co., Inc., Springfield, sprinkler contractor; Lenz Plumbing Supply Co., Plymouth Meeting, PA, plumbing fixture supplier; Woodlawn Corp., Gaithersburg, MD, plumbing contractor; Tri-County Electric, Hughesville, MD, lighting fixtures supplier; and C. H. Atticks Electric, Pomfret, MD, electrical contractor.

Others were: Diebold, Inc., bank equipment; American Iron Works, Inc., Blandensburg, MD, stairs; Global Steel Products, toilet partitions; E. L. Burns, drive-in canopy; Globe Products Corp., blinds; Arc Co., water treatment; Whelan and Freidrich, heat pumps; Falcon Hardware, overhead doors; Shafer, Troxell & Howe, controls; G. M. Ketchum, toilet room equipment; and Henry Hanna Enterprises, testing.

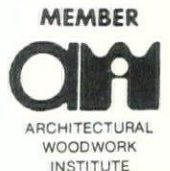


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Architectural Woodwork.

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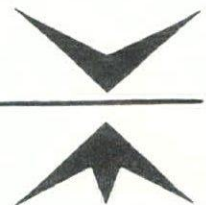
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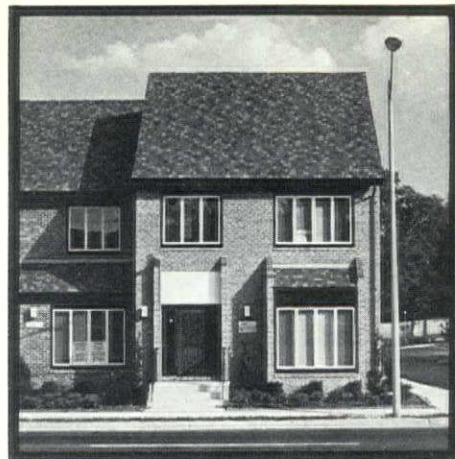
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Park Washington

Professional Office Buildings, Falls Church

Barkley Pierce O'Malley—Architect/Planners

Mechanical/Electrical Engineer, Hurst & Associates • Structural Engineer, Advance Engineers, Ltd. • Site Engineer, Walter L. Phillips, Inc. • Cost Consultant, Robert G. Scharf & Associates, Inc. • General Contractor, Scott-Long Construction, Inc. • Photography, Paul Barkley, AIA.

The contract owners of an L-shaped parcel of land that fronted a major thoroughfare on the edge of the Falls Church central business district thought they had a perfect spot for a seven-story, multi-use structure in the city.

That idea did not wash well with the locals who have consistently fought to retain the city's village-like character. The specific site for the structure abutted an established residential community which included both an historical residence of outstanding architectural distinction called the Lawton House, and the city's cherished Historical Triangle. The Triangle

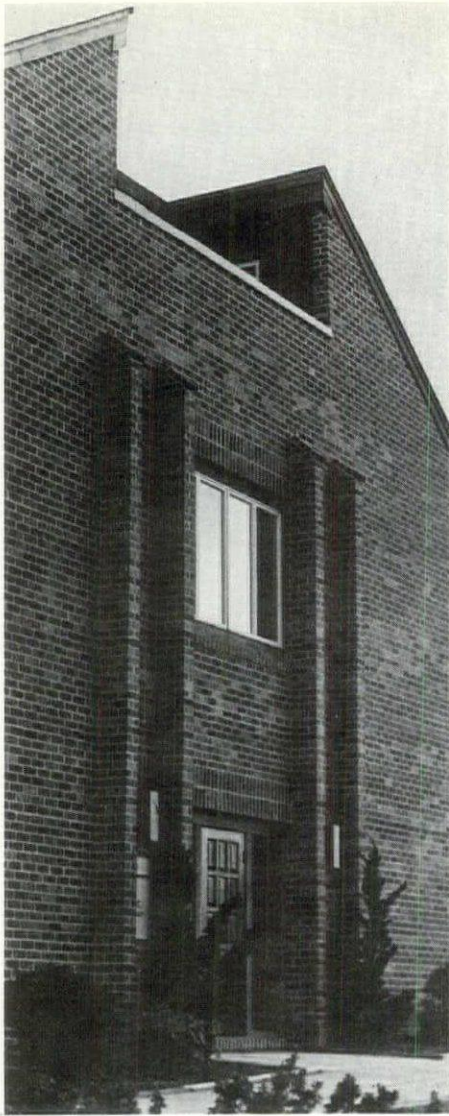
included the city's namesake, The Falls Church (Episcopal).

Despite the developer's insistence that to attract more revenue producing businesses to the city, one must permit higher densities, the city's zoning board denied their request. Consequently, the developers abandoned their contract to purchase the land.

That's when Falls Church architects, Paul Barkley and Harold Pierce, tried their hand at both designing and developing the property. The architects formed the Two Forty Associates partnership with others to carry out the development of their design.

Being both residents and business persons in the city, and possessing a desire to preserve the unique, low profile, residential scale of the city, they created Park Washington, a complex of townhouse professional office buildings, structures that have eventually proven that a city can





gain increases in real estate value and business tax potential without giving in to the apostles of high density.

After completion of preliminary design sketches, the architects met with their residential neighbors to seek their concerns and recommendations prior to submittal to the city for rezoning and processing of the site review plan.

What came out of those meetings was a plan for nine townhouse offices, comprising between 1400 and 3500 square feet of floor spaces each. The total equals 23,175 square feet. Situated on a site of 58,720 square feet, the total building area takes up less than 40 percent of the site area.

The nine buildings are divided into three clusters distributed over the site. The varying building sizes combined with offset facades and contrasting yet harmonious brick colors give each townhouse office a sense of individuality. Parking, driveways and landscape buffers weave throughout the development. Nearly 36 percent of the site is devoted to open space.

The structures are two stories in height with several units containing daylight basements where the grade permits. Constructed of solid masonry with concrete floor slabs supported on steel joists, the buildings blend in nicely with the surrounding community. Brick, vinyl clad casement windows, fiberglass roof shingles, cedar trim and wood panel doors comprise the exterior materials.

To insure the successful completion of their projects, Barkley and Pierce also developed the promotional and sales packages, obtained construction and permanent financing and negotiated the construction contract.

The latter items were important to insure that the quality of workmanship matched the degree of care the architects had put into their plans. Scott-Long Construction, Inc. was selected as the general contractor.

To help beautify the project site, the City of Falls Church removed an outdated water tank and Vepco relocated overhead power lines. All new utilities were located underground.

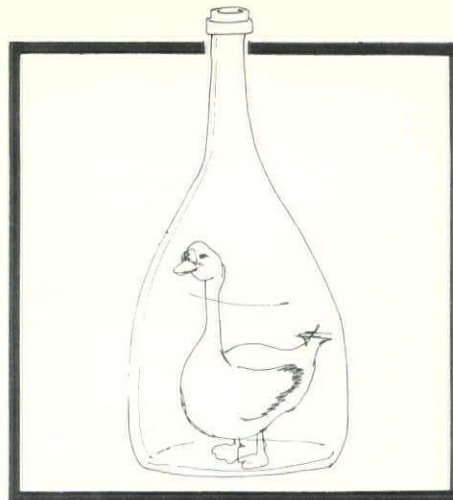
During the 10 months of construction, the nine professional offices were sold. Completion of the individual building owners' interior partitions and accessories coincided with that of the project. Park Washington was totally completed and occupied in February of 1980. The appraised value of the project at the time was over two million dollars, nearly 10 times the 1975 value assessed for the property.—By Dan Beyers

Subcontractors & Suppliers

J. G. Miller, Inc., Merrifield, site utilities; Camelot Concrete Construction Co., Inc., Woodbridge, site concrete; Newton Asphalt Co., Inc. of Va., Alexandria, paving; Pied Piper Pest Control, Silver Spring, MD, soil treatment; Southern Floors & Acoustics, Inc., Merrifield, acoustic ceilings; Simpson Landscaping, Burke, fencing; Jones Masonry Co., Inc., Fairfax, masonry; Arlington Iron Works, Inc., Manassas, structural steel & miscellaneous metals; R. D. Bean, Inc., Beltsville, MD, roofing; Davenport Insulation, Inc., Springfield, insulation; Northern Virginia Plumbing Corp., Alexandria, plumbing; Air Comfort Contractors, Inc., Springfield, HVAC; and CPS Contractors, Inc., Fairfax, electrical work.

Suppliers were: Virginia Concrete Co., Inc., Springfield, concrete; Allstate Components Corp., Westminster, MD, roof trusses; Builders Hardware Corp., Rockville, MD, finish hardware & toilet accessories; Century Lumber Co., Inc., Manassas, stairs; and Dempsey Supply Corp., Fairfax, windows.





Cooper Bearing Company

Addition, Virginia Beach

The Design Collaborative/David L. May Jr., AIA

A BUILDING WITHIN A BUILDING

A unique concept in space expansion—or—a “goose in a glass bottle.”

An old Zen koan stated the riddle:

A goose is in a glass bottle.

How did I get the goose inside the bottle

Without breaking the glass or the goose?*

In this case, the “goose” is an eight-year-old office building that is too new to tear down, too cheaply constructed and energy inefficient to keep using as it is. This is the story of how we put it into the glass bottle.

The “glass bottle” is the new encasement of the eight-year-old office building, designed to enhance its appearance, expand its space, insulate it from the elements so that it is more energy efficient, with minimum trauma to the work going on in the original building.

When the Cooper Bearing Company moved to Virginia Beach in 1973 to set up its administrative office in a 4,000 square foot office building on Thurston Avenue, the company did not foresee the rapid expansion of its office facilities that would take place within just a few years. The money that was allotted for the building was adequate at the time but not for the rapid growth of the firm's operations as one of the world's leading suppliers of bearings for marine and industrial applications.

As the architects for the project, The Design Collaborative initially recommended removal of the existing one-story office and building a new two-story office building as the most cost effective approach to Cooper Bearing's expansion. “We don't ordinarily recommend removing a building which is just eight years old,” says David L. May, Jr., AIA, project

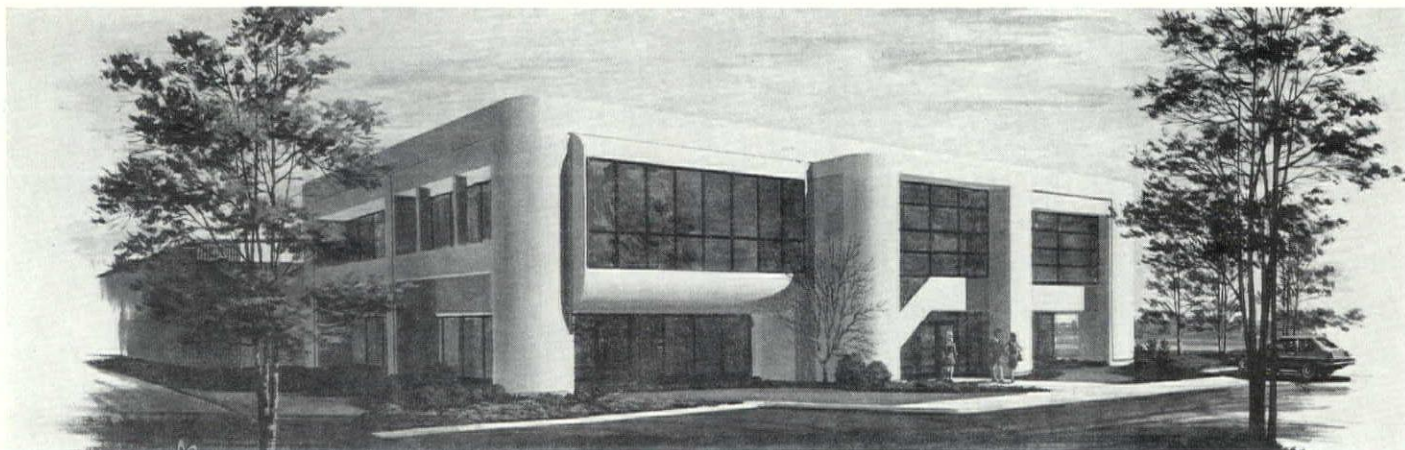
Interior Design, Margret Feay/Buck Contract •
Mechanical/Electrical Engineer, Bowman Assoc., P.C.
• Structural Engineer, Stroud-Pence Assoc. • General
Contractor, R. D. Lambert & Son, Inc. • Photography,
H. B. Gilbert-Photography.

architect, but because the existing office was of such cheap construction and it was hard to heat, this was the best approach. Furthermore, neither the existing foundations nor the columns could support the added load of a second floor, which meant new columns would have to be inserted.

But Cooper Bearing was adamant that continuing administrative operations could not be disturbed during construction.

To accomplish this, says May, we had to create a “bridge” to support the second floor over the existing office. The columns for the second floor sit five feet outside the existing office and go up to a 14-foot-deep steel truss which spans 90 feet over to the opposite column. The bottom chord of this truss supports the floor joists and the top chord supports the roof joists over the existing office where it joins the warehouse. The other end of these joists is supported by a rigid wind frame five feet out from, and across the front of the existing office.

The truss was fabricated in three pieces and assembled on the project site. The general contractor, R. D. Lambert & Son, Inc., erected the truss in one piece. Charlie Snyder, the project manager with R. D. Lambert says, “we were concerned with the safety of the employees in the existing office so we lifted that truss in place in less than two hours, finishing by 8:50



A.M. just before Cooper Bearing opened for business." Snyder says that the work is scheduled so Cooper Bearing won't lose a day of business because of the construction.

Because the building is 31' high, one of the design problems was to give the two-story building the proper proportions even though it has the height of a three-story building. With a two-story building of that height, regular architectural features such as doors and windows would be dwarfed by the building mass. "I stepped up the major elements which effectively enlarged the size of these features up to the scale of the building," says May. "It is similar to the design process the architects of the Gothic cathedrals used 400 years ago to relate the tiny entrances to the huge facades of those churches."

A departure from the conventional office/warehouse facility, this type of expansion is for everyone who needs additional space without having the land to put it on. Not a day of work was missed. The firm got the extra space they needed and a more modern, energy-efficient building. The new building reflects their success story of growth and continued hard work, achieving better and better results.

*P.S. The answer to the koan riddle is: I put it in with my words, I take it out the same way. What works with these will work with any words I say.

R. D. Lambert & Son, Inc. of Chesapeake, the general contractor, handled foundations, concrete work and caulking.

Subcontractors & Suppliers
(Norfolk firms unless noted)

Hall-Hodges Co., Inc., reinforcing; Lone Star Industries, Inc., concrete supplier; Howell Steel Service, Inc., Weldon, NC, steel supplier; C. F. Lambert Co., steel erection; Guille Steel Products Co., Va. Beach, steel joists & steel roof deck; Standard Steel Industries, miscellaneous metal; Johns-Manville Denver, CO, built-up roof; Eastern Roofing Corp., roofing contractor; GREFCO, roof insulation; Owens-Corning, wall insulation; PPG Industries, Inc., glass; Walker & Laberge Co., Inc., glazing contractor; Door Engineering Corp., metal doors & frames & hardware supplier; and Kawneer Co., Inc., window wall & storefront.

Tidewater Plastering & Drywall, Inc., Dryvit contractor & gypsum board contractor; Ferrell Linoleum & Tile Co., Inc., ceramic tile, acoustical treatment & resilient tile; Bucks Office Supply, Portsmouth, carpet supplier; Bartlett & White Co., Va. Beach, carpet installation; E. Caligari & Son, Inc., painting contractor & wall covering; George G. Lee Co., plumbing fixture supplier; K & L Plumbing & Heating Co., plumbing contractor; Boulevard Heating & Air Conditioning, Inc., Va. Beach, heating/ventilating/air conditioning contractor; Electrical Suppliers, Inc., lighting fixtures supplier; Graybar Electric Co., Inc., electrical equipment supplier; and E. H. Ives Corp., electrical contractor.

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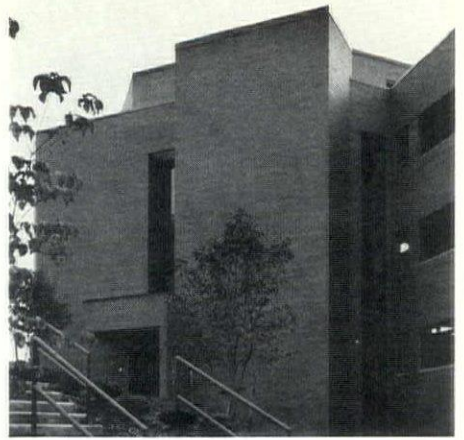
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Montrose Office Park

Rockville, Maryland

The Benham Group-East—Architect/Engineer

The Benham Group—East, of Vienna, designers of Montrose Office Park, created a campus atmosphere, with open spaces and views of woods as visual diversions from the pressures of business.

The buildings are set at differing angles to capitalize on relaxing views of the adjacent wooded areas and new landscaping which was provided in the design of this complex. The building placement also creates *arrival* spaces which, in conjunction with the elevator cores located at the exterior of the building, give each building entry a strong sense of identity.

The site planning and orientation created a development that blends into the surrounding residential and public open areas nearby.

A 311-space parking garage, independent of the other structures, takes advantage of land contours and berms to give the appearance of a lower building. The garage has four levels, but the casual observer would think it was two levels. All parking is on ramp surfaces, enabling entry at different levels.

Each office building contains 50,000 square feet and is designed for energy efficiency operation. The integrated heat pump system recovers waste heat from lights and building occupants and utilizes outside air for cooling and heat. This system consumes 30% to 40% less energy than conventional systems.

The perimeter heat pump units provide individual temperature control in exterior office areas. The complex also has a central energy monitoring system which regulates the operation of equipment during non-business hours to reduce unnecessary energy consumption.

The buildings have structural steel frames with buff brick veneer. The garage is of precast, prestressed concrete double tees, also faced with buff brick.

The Benham Group team designed for the physical comfort of the office personnel who will people the center.

The Benham Group is a national firm of architects, engineers, planners, and consultants with corporate offices in Oklahoma City and other

General Contractors, Glen Construction Co., Inc. and Rozansky and Kay Construction Co. • Photography, Don Byrum.

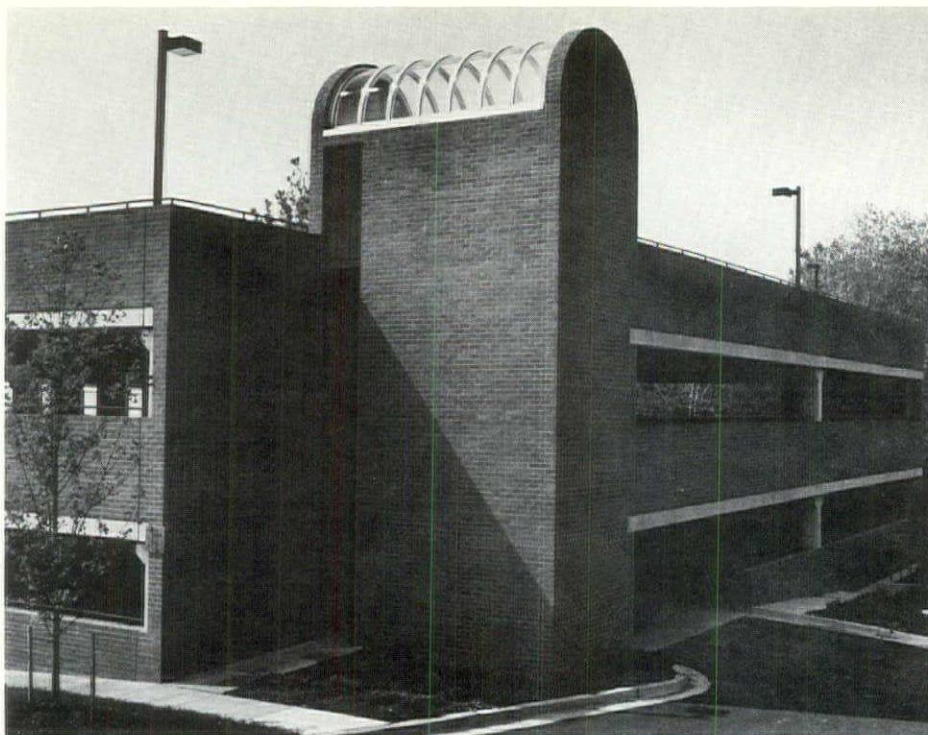
divisions in San Francisco, Los Angeles, Houston, San Antonio, Phoenix, Tulsa and Las Vegas.

Glen Construction Co., Inc. of Gaithersburg, Maryland and Rozansky and Kay Construction Company of Bethesda, Maryland were general contractors for the project.

Subcontractors & Suppliers

Acoustical Ceilings, Inc., Merrifield, ceilings; Arlington Woodworking & Lumber Co., Inc., McLean, millwork, vanities, wood doors; Russell L. Barton Drywall & Plastering, Inc., Vienna, drywall interior, building insulation, exterior drywall & studs; Bryan & Associates, Inc., Edmonston, MD, painting & vinyl wall covering; The CECO Corp., Bladensburg, MD, hollow metal & finish hardware; Chipman Electric Co., Inc.,





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Also, Glen Construction Co., Inc., Gaithersburg, MD, curb & gutter (c/o D. Baltzell) & foundation drain (c/o C. Jen); Glen Masonry, Gaithersburg, MD, masonry (buildings 1-3); American Masonry Co., Inc., Kensington, MD, masonry (building 4); Gustin Gardens Tree Service, Inc., Gaithersburg, MD, landscaping; Keller-May, Kensington, MD, HVAC & plumbing; Leonard's Draperies, Inc., Beltsville, MD, venetian blinds; Madison Decorating Co., Crofton, MD, spray fireproofing; Miscellaneous Metals, Inc., Mt. Airy, MD, miscellaneous metal & steel stair system; and Northern Virginia Steel Corp., Springfield, structural steel.

And, Harry S. Peterson Co., Inc., Ellicott City, MD, precast concrete joint sealants; Schultz & Mellits, Inc., Bowie, MD, fire extinguishers & cabinets; The Shockey Companies, Winchester precast Gar.; Trowbridge Steel Co., Inc., Sterling, reinforced steel; U.S. Elevator Co., Beltsville, MD, elevators; Wee-Line-It, Rockville, MD, line markings; Wilcox Caulking Corp., Lorton, caulking & related work; and Woodmac, Inc., Derwood, MD, site utilities.

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Landscape Architect, Higgins & Associates • Interior Design, Marcellus Wright Cox & Smith, P.C. • Mechanical/Electrical Engineer, C.E.K. • Structural Engineer, Dunbar, Milby & Williams • General Contractor, Bass Construction Co., Inc. • Photography, Mike Pocklington.



Commerce Office Building

For Prudential Ins. Co., Henrico County

Ernie Rose, Inc. and Marcellus Wright Cox & Smith, P.C.—Architects

The Commerce Office Building is located in Commerce Center in Henrico County. It is the first of two speculative office buildings at this location sponsored by the Prudential Life Insurance Company.

The architects for the project were Ernie Rose, Inc. and Marcellus Wright Cox and Smith A Professional Corporation. Bass Construction Company was the general contractor and successfully completed the 91,823 square foot, \$3,475,000.00 building in nine and one-half months.

The basic goal for this project was to build attractive, rentable office space at a reasonable cost.

A simple rectangular shape with a central core was chosen because it is an economical arrangement for speculative office spaces. The dimension from the core to the outside walls was 40 feet in response to a desire to use long span joists to eliminate the need for almost all interior columns.

The rectangular shape is carved out at the entry for emphasis. The public spaces such as the entrance, the lobby, the elevators and the elevator lobbies at each level were given special design consideration. The sloping site and the location of the parking areas led to the development of a two-level entrance having access to the central circulation core from either the front or the rear. Both entrances are protected from the weather with canopies constructed of steel space frames covered with plexiglass skylights.

The major parking area for the building is located in the rear, screened from the interstate by a landscaped buffer and from Emerywood Parkway by the building. There is a small visitor's parking lot located in front of the building. The impact of this parking is softened with earth berms and planting.

The structure is comprised of a structural steel frame with bracing in the central core. It is clad in brick, with maroon porcelain enamel panels at the second level to add color and give the building a base. The windows are bronze with aluminum frames. The second and final facility to be constructed will be similar in scale and economy.

Bass Construction Co., Inc. of Richmond was

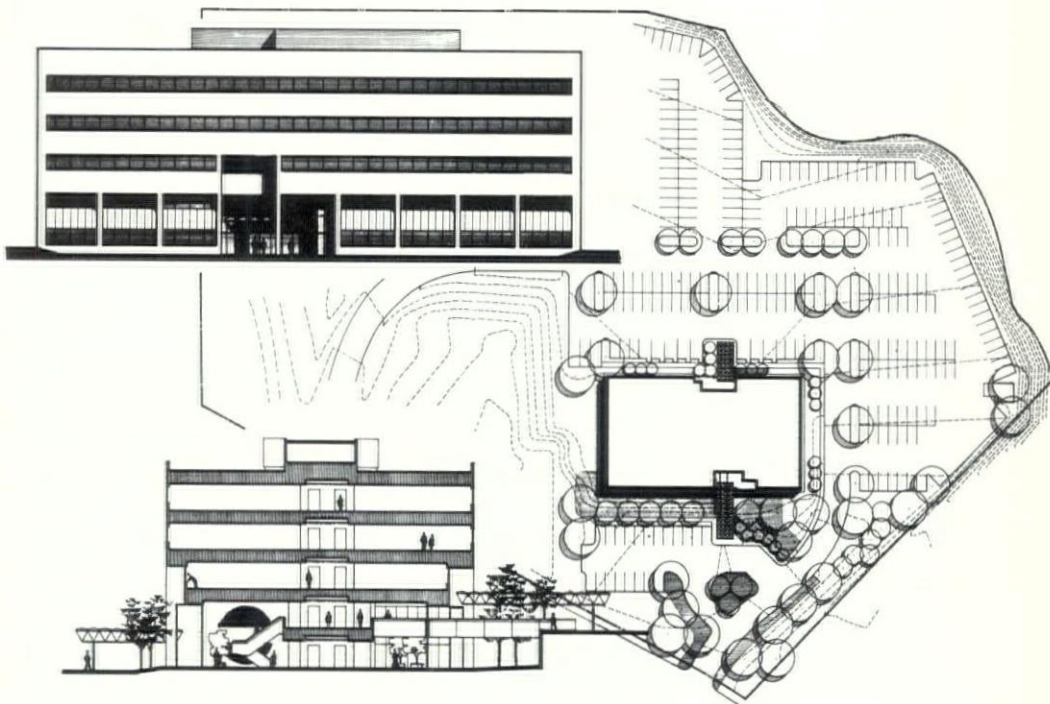
general contractor and handled foundations and concrete work.

Subcontractors & Suppliers
(Richmond Firms unless noted)

F. G. Pruitt, Inc., excavating & paving contractor; R. G. Atkinson, Irrigation Services, Inc., sodding, seeding, etc. landscaping & landscaping contractor; Massey Concrete Corp., concrete supplier; Bat Masonry Co., Inc., masonry contractor/manufacture/supplier & mortar; Liphart Steel Co., Inc., steel supplier/erection/joists/roof deck; H. Beckstoffer's Sons, Inc., millwork; Richmond Primoid Insulation, Inc., waterproofing; E. S. Chappell & Son, Inc., caulking; and Whitley Roofing Co., built-up roof & roof insulation.

Also, Libby-Owens-Ford, glass; American Door & Glass, Inc., windows; J. S. Archer Co.,

Inc., storefront; Pleasants Hardware, hardware supplier; Hampshire Industries of Va., Inc., Ashland, plaster contractor; Leo H. Bourne Tile & Marble Contractor, Quinton, ceramic tile; Hodgman's, Inc., carpet; Glidewell Bros., Inc., painting contractor & wall covering; W. H. Stovall & Co., Inc., Ashland, erected skylight; Westinghouse Elevator Co., elevators; Richmond Sprinkler Corp., sprinkler contractor; Noland Co., plumbing fixture supplier; Hungerford Mechanical Corp., plumbing/heating/ventilating/air conditioning contractor; Columbia, lighting fixtures supplier; Koch Electric Co., electrical contractor; John J. Bradley, postal specialties; Benders Venetian Blinds, Inc., window treatment; Roanoke Engineering Sales Co., Inc., directory; and The Dages Co., porcelain enameled panels.





Infilco Degremont U.S. Headquarters

Richmond

Marcellus Wright Cox & Smith, P.C.—Architect

Landscape Architect, Higgins Assoc., Inc. • Interior Design, Marcellus Wright Cox & Smith, P.C. • Mechanical/Electrical Engineer, Roache, Mercer & Faison, Inc. • Structural Engineer, Harris, Norman & Giles • Civil Engineer, Laprade Brothers • General Contractor, Bass Construction Co., Inc.

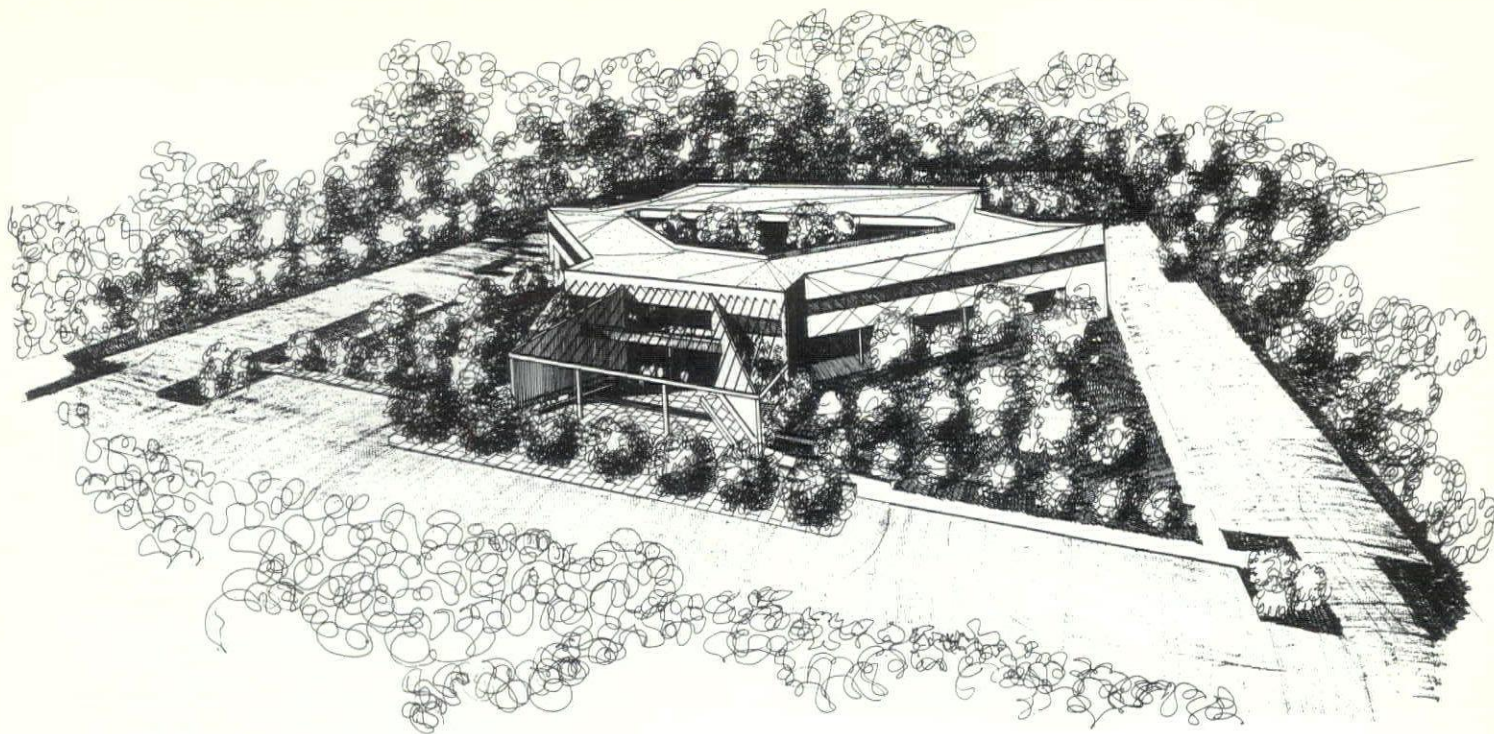
Infilco Degremont is a 50,800 square foot, two-level corporate headquarters office structure which was occupied January 1981.

The established relationships between the management and production functions of this business indicated that a plan needed to be developed which would allow the individual departments of management to be consolidated and at the same time have direct access to the production departments for which they are responsible. The unusual shape of the building is a result of the blending of this requirement with the desire of Monseigneur F. P. Abela, the president of the company, "to have more than a box."

The main public entrance and the management functions are located in the front wings which are set against the rectangular production area to form a triangular courtyard. This arrangement allows for the desired functional arrangement and adds a pleasant space which is shared visually and physically by visitors, management and production. The courtyard is particularly appropriate in a suburban office park, as it provides an interior visual focal point, serves as a verifying element and is a relief from the normal conception of an office environment. The fountain located in the courtyard is a reminder of the company's involvement with water purification. Both the fountain and the sculptured dove (the company's symbol) are kept at a scale that allows the courtyard itself to be the important element.

The structure is steel frame with concrete floors on metal deck. Exterior walls are made up of insulated metal panels secured to metal studs and operable wood windows with insulated tinted glass and built in horizontal blinds. Window walls and glass roof areas are of anodized aluminum frames with tinted insulated glass. Earth is bermed at the perimeter of the first





level. Interior partitions are of gypsum wall board on metal studs.

Ceilings over most of the building are acoustical tile. A wooden ceiling is used in the lobby and glass ceilings in the gallery corridors. Walls are painted over most of the building with carpet in some areas for acoustical treatment. Floors are carpet except in special areas such as the kitchen, stair wells and mail room, etc. The building walls have a R value of 4 and the roof value is 10.

The HVAC system is a four-zone medium pressure air with terminal variable volume units plus perimeter and plenum supplemental hot water heat. There is an energy saver package with variable 100% to minimum outside air and individual room control. There is minimum energy consumption on fans due to the variable volume air system.

Bass Construction Co., Inc. of Richmond was general contractor for the project.

Subcontractors & Suppliers (Richmond firms unless noted)

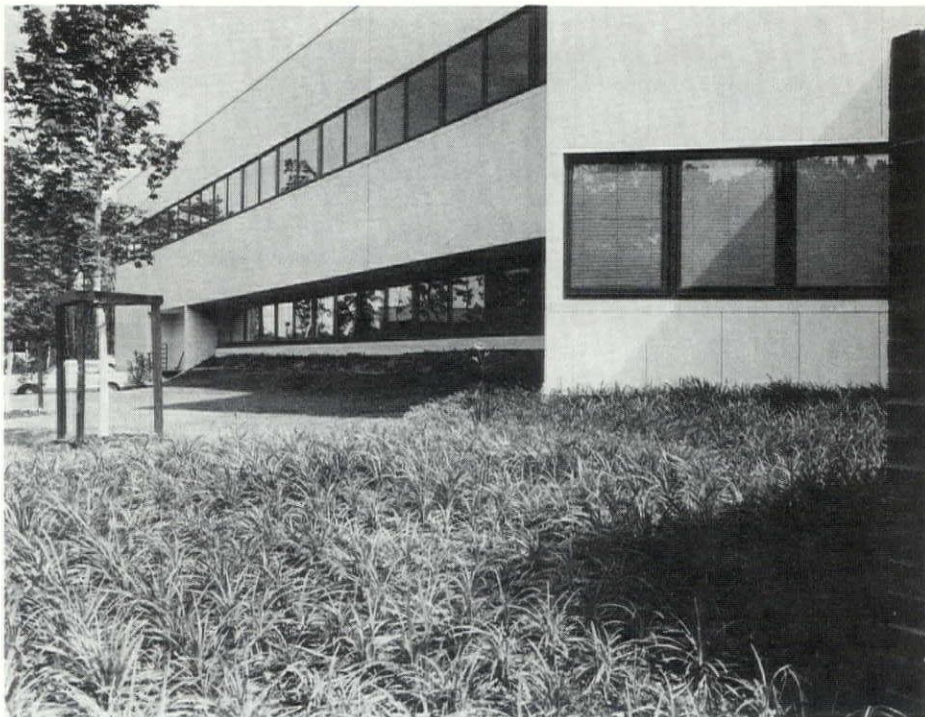
F. G. Pruitt, Inc., excavating; Watkins Nurseries, Inc., Midlothian, seeding & landscaping; E. G. Bowles Co., paving contractor; Bethlehem Steel Corp., reinforcing; Massey Concrete Corp., concrete supplier; Hammond Masonry Corp., Sandston, masonry contractor; Liphart Steel Co., Inc., steel supplier/erection & miscellaneous metal; Vulcraft, Florence, SC, steel joists; John R. Houck Co., steel roof deck; H. Beckstoffer's Sons, Inc., millwork & wood doors; Richmond Primoid Insulation, Inc., waterproofing; and E. S. Chappell & Son, Inc., caulking.

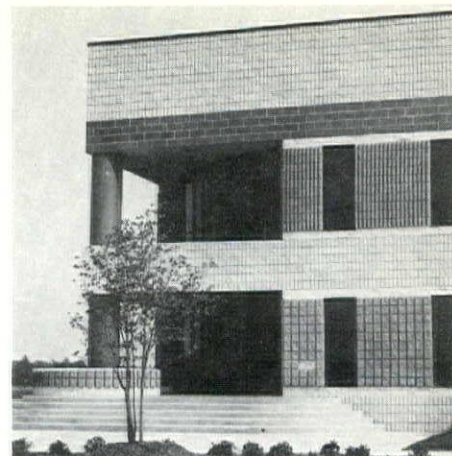
Also, Whitley Roofing Co., built-up roof & sheet metal; J. B. Eurell Co., asphaltic roof insulation; Roanoke Engineering Sales Co., Inc., metal doors & frames & toilet partitions; Pella Virginia, Inc., windows; W. H. Stovall & Co., Inc.,

Ashland, window wall & storefront; Architectural Hardware, Inc., hardware supplier; John H. Hampshire, Inc., gypsum board contractor; H. E. Satterwhite, Inc., ceramic tile; Consolidated Tile Co., Inc., acoustical treatment; and Miller & Rhoads, Inc., carpet.

And, Street & Branch, Inc., painting contractor; M. A. Bruder & Sons, Inc., paint supplier/manufacturer; Custom Kitchens, Inc., kitchen appliances; Street & Branch, Inc., wall covering;

E. T. Long, Inc., specialties; Pleasants Hardware, toilet room accessories; Virginia Elevator Co., Inc., elevators; Worsham Sprinkler Co., Inc., Ashland, sprinkler contractor; Capital Mechanical Contractors, Inc., plumbing/heating/ventilating/air conditioning contractor; Graybar Electric Co., Inc., lighting fixtures supplier; Northside Electric Co., electrical contractor; Talley Neon & Advertising Co., signage; and Syscon Sales Corp., Gaithersburg, MD, insulated metal wall panels.





Armada/Hoffler Company

Office and Warehouse Facility, Chesapeake

The Design Collaborative/David L. May Jr., AIA

The second building of a complex of 18 projected buildings in the Greebrier Industrial and Office Park was completed in May 1981, and is well on its way to being one of the landmarks of the area. Including 85,000 square feet of warehouse space and 40,000 square feet of office space, this facility was developed by the Armada/Hoffler Company, who have relocated their offices to the new building.

Dan Hoffler, president of Armada/Hoffler, says, "The park is located closer to the ports, airport and Naval Base than many parks in Virginia Beach, but because we are in the Greenbrier part of Chesapeake, many area businessmen have the impression that we are not near

enough. Yet many of those same people drive down Interstate-64, which goes right by our location."

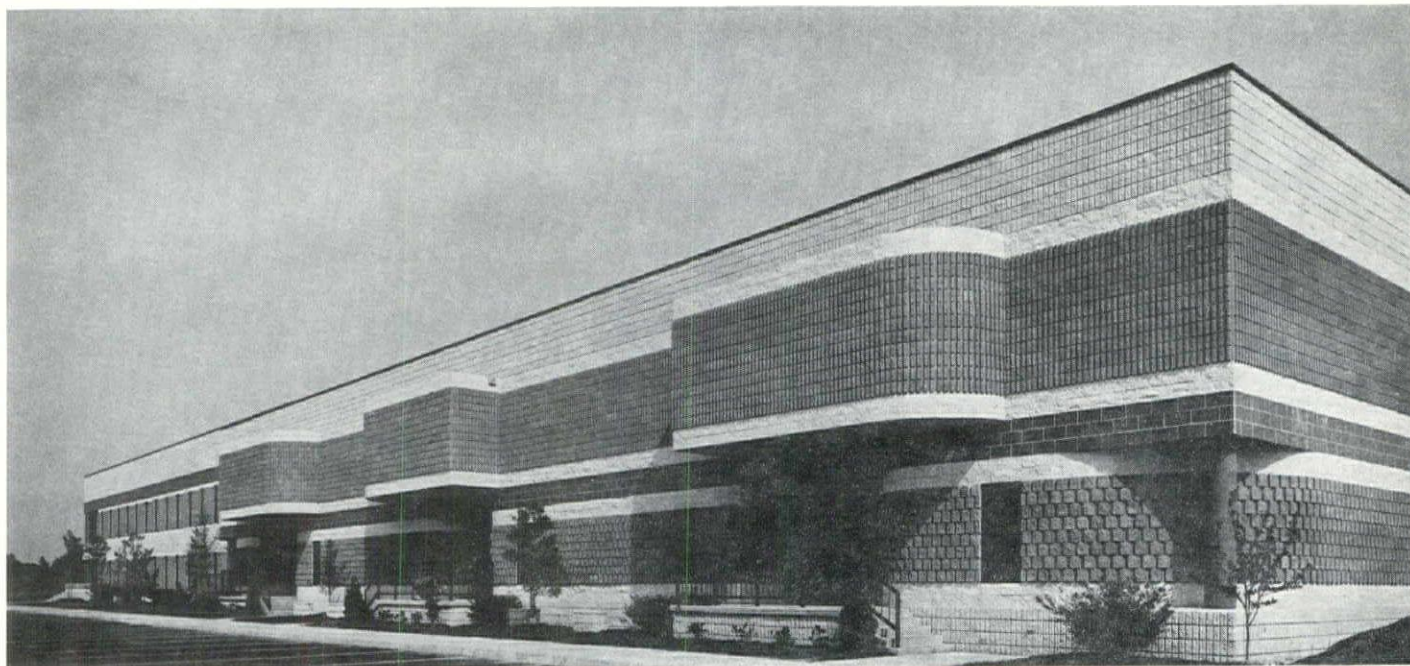
To counter this impression and attract business location to this budding area, this building had to be so highly visible that people would identify with the park complex itself, rather than the location. Being one of the new areas of development in Tidewater, Greenbrier has the advantage of creating, from the ground up, complexes of architectural and aesthetic harmony that too often cannot be found in older locations.

Armada/Hoffler called in David May of The Design Collaborative and posed this problem to

Interior Design, Interscapes • Mechanical/Electrical Engineer, Old Dominion Engineering • Structural Engineer, Stroud-Pence Associates • Civil Engineer, Wilfred P. Large • General Contractor, Cross Construction Corp. • Photography, H. B. Gilbert-Photography.

him: Develop a design for a 125,000 square foot, multi-use facility which would catch the eye of motorists on Interstate-64 so that they will be intrigued enough to find out what we are doing at the park. This had to be accomplished within a building budget which would allow rentals to be competitive with other new buildings in the area.

David responded with a modern, 20th century version of a design concept that goes back to the Roman Colosseum. A concept which was elaborated upon during the Renaissance, in the masterworks of Florentine architecture 400



years ago. While this is not the di Medici Palace, there is a similarity of textural appearances and stylistic concepts reminiscent of classical periods.

The 1,100 foot long perimeter of the building is encased with bands of decorative masonry blocks of varying sizes and colors beginning with a darker and heavier block at the base (the effect was called "rustication" and refers to the more common stones being used at the street level). At the other levels ascending from the base, the colors become lighter and the stonework more refined. These bands of earthy beiges and coffee tones provide great visual contrast in their variations. The most striking feature of this building is a single band of jade green glazed block which is used to accentuate the horizontal effect. Originally intended as a unifying feature, the green band has more importantly become an identifying device, a visual cue, and the element which attracts the motorists' attention as they pass by on Interstate-64.

"The Green Stripe," as it has become known, identifies the building and the owner says it has given him instant recognition when he markets leasable space in the building. "People know the building because of the green stripe and it is very effective when making the first contact with a prospective tenant," says Rick Burnell, vice president for marketing with Armada/Hoffler.

The versatile design of the facility can accommodate a wide variety of tenants, from a full service office tenant to a complete warehouse operation. The horseshoe shape of the building keeps all the warehouse loading operations completely out of sight of the office entrances. The third building, now under construction in the park, is similar to this one, and when it is completed, the warehouse loading operations will be totally hidden from view. Similar in concept, the third building will have a blue stripe which will differentiate it from this second one, giving people an easy way to orient themselves.

The main entrance to the building opens into an entrance lobby, set off by a radiused storefront of glass, 20 feet high, curving gracefully behind a corner column. The rounded context of the building is further enhanced by a planter surrounding the base of this column. Upon entering the lobby, one notices the textural change from the unglazed exterior to a highly glazed and polished interior. One is immediately aware of the two-story lobby and the dramatic effect of its staircase curving up to the second floor. The space is one of visual serenity and enrichment, filled with natural light and the view of nature without. A smooth handrail of natural-finished solid oak, inlaid with walnut, rises along both sides of the stairway and outlines the balcony on the second floor. These materials are again used in the mullions of the bronze and glass entrances into the tenant spaces opening immediately off the lobby.

One's perception of this building is in the visual firmness of its foundations, the artfulness of

its composition, its contrasts and counterpoints, and the practicality and serviceability of its surfaces. Subtly blending with natural aspects, it is there for those who have need of such a space.

Cross Construction Corp. of Chesapeake was general contractor and handled foundations and concrete work.

Subcontractors & Suppliers

From Chesapeake were: D. J. W. Construction Co., Inc., excavating; W. L. Birsch, Inc., paving contractor; Campostella Builders, handrails & millwork; Noland Co., plumbing fixture supplier; Aircon, Ltd., heating/ventilating/air conditioning contractor; and L. E. Ballance Electrical Service, Inc., electrical contractor.

Virginia Beach firms were: North Landing Nursery, sodding, seeding, etc., landscaping & landscaping contractor; Sadler Materials Corp., concrete supplier; Steve Biggs Painting Contractor, waterproofing & painting contractor (Glidden paint); and Byler Plumbing Co., plumbing contractor.

From Norfolk were: Hall-Hodges Co., Inc., reinforcing; Snow, Jr. & King, Inc., masonry contractor; C. F. Lambert Co., steel erection; Norfolk Iron & Wire Works, Inc., miscellaneous metal; PPG Industries, Inc., glass; Walker & Laberge Co., Inc., glazing contractor, windows & store-

front; Door Engineering Corp., metal doors & frames & hardware supplier; L. R. Brittingham Co., acoustical treatment; and Otis Elevator Co., elevators.

Other were: Adams Block, Raleigh, NC, masonry supplier; Peden Steel Co., Raleigh, NC, steel supplier; Vulcraft, Florence, SC, steel joists; K & P Caulking & Window Cleaning Co., Portsmouth, caulking; Bay Tile & Carpet Co., Portsmouth, ceramic tile & resilient tile; Cherry Rug Co., Portsmouth, carpet; Worsham Sprinkler Co., Inc., Ashland, sprinkler contractor; G. E. Supply, lighting fixtures/electrical equipment supplier; and Wolverine Porcelain Enameling Co., Detroit, Michigan, porcelain enameled steel column covers.

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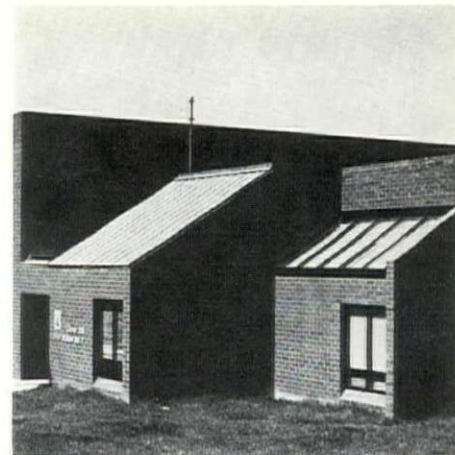
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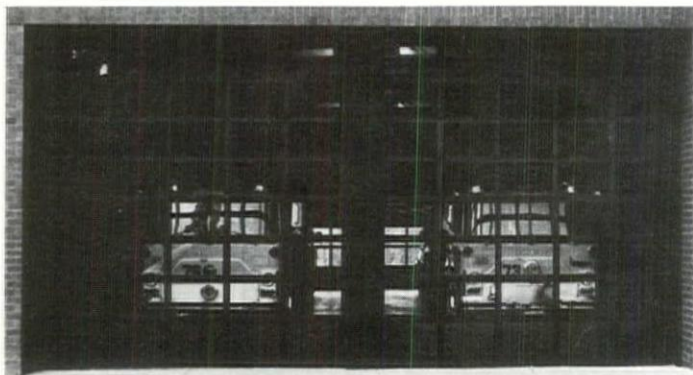


Clover Hill Fire Station #7

Chesterfield County

Chenault & DePasquale—Associated Architects

Interior Design and Photography by the Architect •
Mechanical/Electrical Engineer, Simmons, Rocke-
charlie & Prince • Structural Engineer, Dunbar, Milby
& Williams • Site Engineer, C. Aubrey Featherstone II
• General Contractor, Kenbridge Building Systems,
Inc.



The objective of the owner's program was to provide an economical, functional, and maintenance-free facility to accommodate the needs for housing both volunteer firemen and the county's latest firefighting apparatus and equipment in addition to being adaptable to future full-time staff use. In accomplishing this, a structure was to be created which would represent a statement of stability in the community as well as a blending complement to its surroundings.

The site provided was a narrow, two-acre parcel with a gentle sloping grade located in a visible and open suburban setting adjacent to an existing high school. The response was to provide an ease of traffic flow to and from the station with minimal site disruption and cost. The narrow, rectilinear shape of the site dictated a one-way drive-through solution and was accommodated by a loop arrangement to the rear which made use of an existing roadway to the west of the property. Three-dimensionally, a strong sculptural form was conceived in order to establish a statement noticeable to the fast moving vehicular traffic along this suburban artery.

The design solution in plan was basically broken down into three primary areas of function with definite distinction and separation given to pedestrian and mechanical areas. These areas developed as the apparatus bay, public area, and the firemen's quarters, with all connecting circulation spaces kept to a minimum. The governing criteria was that all areas be directly accessible to the apparatus bay for maximum mobility. The facility contains approximately 5,600 square feet of floor space, that also accommodates areas of pedestrian and recreational activity.

Upon entering the station, there is a reception and public access area, the chief's office, and communications alcove. Next is the Day Room, which serves as a meeting space and bunk room for overnight stays and emergencies, and is complete with kitchen and dining facilities. The two-bay apparatus area houses one ladder truck and two pumper engines, along with the hose-dryer alcove and necessary gear-hanging equipment.

In addition to the basic functional aspects, passive solar energy methods played an important part in the overall design response and solution. Along the southern exposure there are expansive areas of glass to allow for free heat gain during the winter months, with appropriate consideration given to shading and setback, while utilizing insulated glass and cavity-wall construction, to minimize summer solar gain. Conversely, the northern face of the building shows minimal glass usage, with overhangs and vestibules which serve as thermal barriers. Energy efficiency was also a consideration in designing the mechanical system, a two-zone heat pump for pedestrian areas and electric unit heaters for the apparatus area. Energy saving fluorescent fixtures were used for lighting combined with skylights for maximum effectiveness.

Basic construction was masonry wall bearing, insulated cavity with steel roof framing throughout. A microzinc standing seam roof accentuated the pedestrian zone. An over-sized brick, deep brown in color, was used on the exterior to establish scale and texture. The interior finishes are painted concrete masonry units with the floor finishes of quarry tile and vinyl asbestos tile. A 2' x 2' exposed grid ceiling with reveal-edge acoustical tile was used.

The overall effect of the building is an application of scale, texture, and simplicity which combines to make the facility a success for both the client and the community which it serves.

Kenbridge Building Systems, Inc. of Richmond was general contractor and handled foundations, concrete work, reinforcing, carpentry, wall insulation and foundation insulation. The owner handled landscaping.

Subcontractors & Suppliers (Richmond firms unless noted)

Seaboard Contractors, Inc., Mechanicsville, excavating, piling, sodding, seeding, etc., and outside concrete and sidewalk; Warren Brothers, Midlothian, paving contractors; Lone Star Industries, Inc., concrete supplier; J. Carrington Burgess Masonry Contractor, Inc., masonry contractor; Browning Steel Co., Inc., steel erection/joists & roof deck; Ruffin & Payne, Inc., millwork; Walker & Laberge Co., Inc. of Richmond, caulking, glass, glazing contractor & windows; and Willard L. Council Roofing, Inc., PVC roofing & sheet metal.

Also, Architectural Hardware, Inc., metal doors & frames & hardware supplier; A. Bertozzi, Inc., gypsum board contractor; B. R. Gery, ceramic tile; C. B. Smith Co., acoustical treatment & resilient tile; Colonial Carpet & Installation, Inc., carpet; Glidewell Bros., Inc., painting contractor; Cates Building Specialties, specialties; Roanoke Engineering Sales Co., Inc., toilet partitions & accessories; American Sprinkler Systems, Inc., Colonial Heights, sprinkler contractor; J. F. Robertson Plumbing & Heating, Prince George, plumbing contractor; Eveready Oil Supply Co., heating/ventilating/air conditioning contractor; Noland Co., lighting fixtures supplier; Tolley Electrical Corp., Glen Allen, electrical contractor; and Garbers, Inc. T/A Overhead Door Co. of Richmond, overhead doors.

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DAILY CALENDAR OF AREAS OPEN FOR HISTORIC GARDEN WEEK 1982

SATURDAY, April 24

Albemarle—Morven
Alexandria
Franklin—Courtland
Hanover County
Harrisonburg—Bridgewater Area
James River Plantations
Roanoke
Warren County—Rockland Area
Winchester—Clarke

SUNDAY, April 25

Albemarle—Morven
Chatham
Fauquier—Loudoun—Rectortown
James River Plantations
Roanoke
Warren County—Rockland Area
Winchester Clarke

MONDAY, April 26

Albemarle—Morven
Fauquier—Loudoun
James River Plantations

TUESDAY, April 27

Albemarle—Morven, Lanark, & Redlands
Charlottesville—U.Va. Pavilions
& Lawn Rooms
Fredericksburg
James River Plantations
Lexington
Lynchburg
Petersburg
Richmond—West End
Virginia Beach Resort Area
Williamsburg

WEDNESDAY April 28

Albemarle—Morven, Lanark,
Redlands & Curator's House
Charlottesville—Carr's Hill & Morea
Hampton—Newport News
James River Plantations
Martinsville
Norfolk
Northern Neck—Richmond County
Richmond—Church Hill

THURSDAY, April 29

Albemarle—Western County
Danville
James River Plantations
Richmond—Far West End
Suffolk
Virginia Beach—Princess Anne Area

FRIDAY, April 30

Albemarle—Western County
Eastern Shore
Fairfax—Burke Station Area
Gloucester
James River Plantations
Staunton

SATURDAY, May 1

Albemarle—Morven
Eastern Shore
Gloucester
James River Plantations
Orange
Staunton

SUNDAY, May 2

Mecklenburg—Prestwoud Plantation
Orange

Historic Garden Week Attractions Span Four Centuries of Architecture

Historic Garden Week in Virginia, April 24 through May 1, marks the 49th year the Garden Club of Virginia has sponsored this springtime event.

The first Historic Garden Week was observed in 1929. The enthusiasm with which it was accepted paved the way for its becoming the oldest and most extensive house and garden tour in the country. The initial project undertaken was the landscaping of the grounds at Kenmore, home of Col. Fielding Lewis, who married Betty Washington, sister of George Washington. With the proceeds of the first garden week, a proper setting was created for this historic mansion. The two current restorations are Kerr Place on the Eastern Shore of Virginia and Smithfield in Montgomery County. The magnitude of the Garden Club's accomplishments in landscape restorations can be fully appreciated if one reviews the 32 projects which have been completed.

Impressive tours have been planned in 32 areas of the state. Beauty and versatility will be found in the 187 private homes and gardens open for this year's event. Visitors will be carried through dwellings spanning four centuries of building in Virginia.

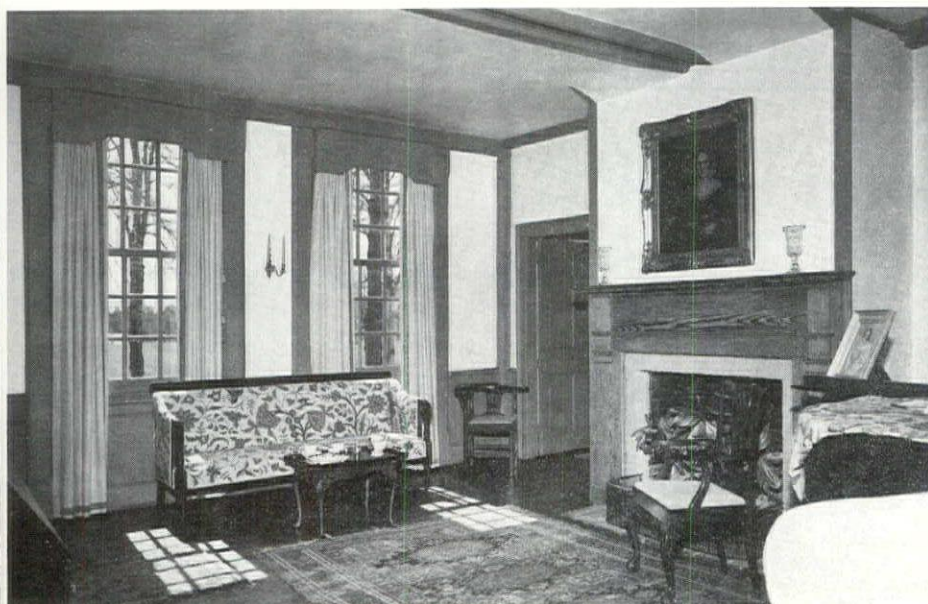
Belle Air in Charles City County was built about 1670 and is one of the oldest frame dwellings in America. Original heart pine timbers of this early residence still serve ingeniously as both sturdy structure and interior decorative trim. Visitors will be welcomed at the James River Plantation Tuesday, April 27, through Saturday, May 1.

Littleton Eyre built his home on the Eastern Shore of Virginia in 1735. His son, Severn Eyre, enlarged the mansion in 1765. Especially noteworthy architectural features include the cross hall, fine woodwork and paneling. Eyre Hall will be open Friday, April 30, and Saturday, May 1.

The beautiful garden and grounds at Lisburne in Gloucester County extend to Vaughan Creek. A handsome 1810 frame house, it was extensively restored in 1964. Open on the Gloucester Tour Friday, April 30, and Saturday, May 1.

The unique features of a newly constructed home at 7 Blandwood Road in Richmond are enhanced by the subdued landscaping of its wooded hillside site. Built in 1981, it is an interesting contrast to the other houses open on the Tuesday Tour, April 27.

The Historic Garden Week Headquarters are located at 12 East Franklin Street, Richmond, 23219. A 152 page guidebook, listing all of the homes and gardens as well as the historic landmarks open for Historic Garden Week, is available, free of charge, at the headquarters after March 1.



Belle Air—1670



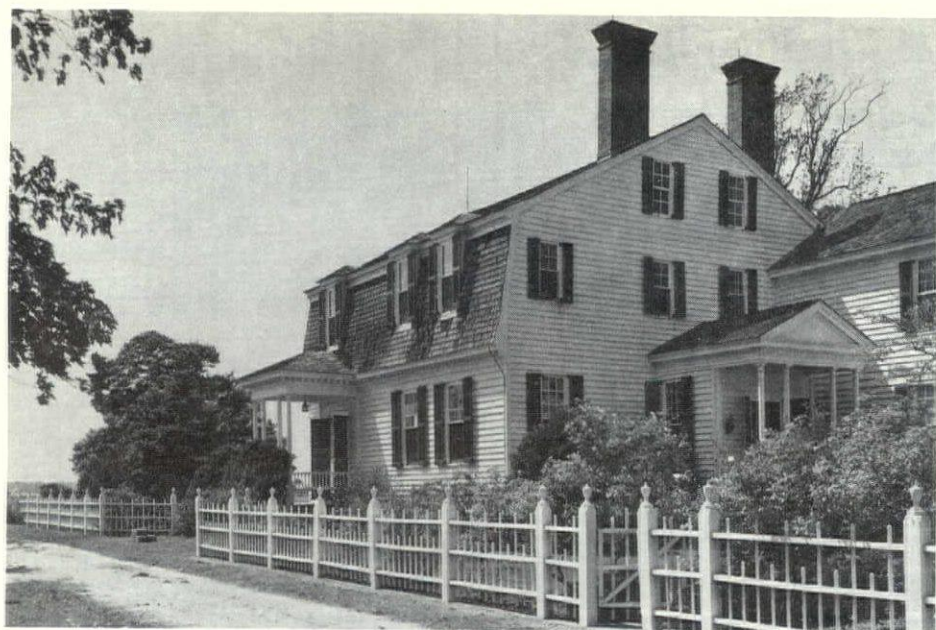
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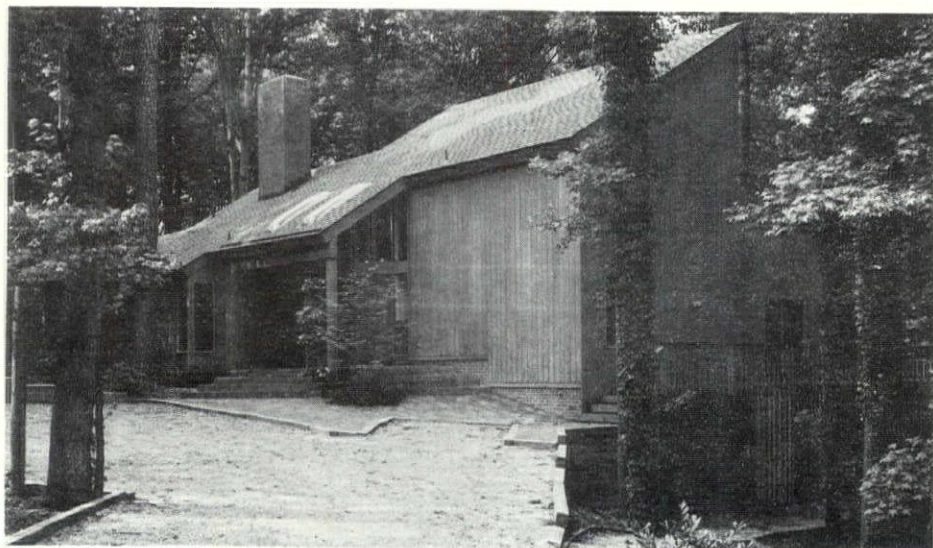
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Eyre Hall—1735



Lisburne—1810



7 Blandwood Road, Richmond—1981

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MARCH-APRIL 1982

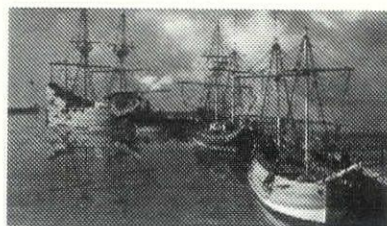


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Hankins and Anderson Announces New Officers

• Hankins and Anderson, Inc., Consulting Engineers, of Richmond, has appointed G. Edward Bishop to the position of Vice President and Chief of the Industrial Group. He will be responsible for the firm's industrial plant engineering and design services.

Mr. Bishop was previously employed by Daniel International as Design Manager in their Hopewell engineering office. Prior to that he served for 12 years as Plant Engineer at Firestone's Synthetic Fiber facility in Hopewell. A native of Attalla, Alabama, Mr. Bishop received his Bachelor of Science degree in Mechanical Engineering from the University of Alabama in 1958. He resides in Chester.

The Board of Directors of Hankins and Anderson, Inc. has also announced the election of three new Associates of the firm, George E. Bowis, Rudolph L. Cavan, and H. Alan Moore.

Bowis, an employee for 18 years, is currently serving as an engineer in the heating, ventilating, and air conditioning department. A native of Richmond, Bowis has more than 35 years of consulting engineering experience.

Cavan, an electrical engineer, attended Virginia Mechanical Institute and has 34 years of consulting engineering experience. He joined Hankins and Anderson, Inc. in 1977.

Moore, Chief Industrial Mechanical Engineer, joined Hankins and Anderson, Inc. in March 1981, and has 23 years of professional engineering experience. He received a Bachelor of Science degree in Mechanical Engineering in 1958 from Bristol University, England, and is a Chartered Engineer in the United Kingdom.

Robert C. Koury is New President of NVBA

• Robert C. Koury, Jr., has been elected president of the Northern Virginia Builders Association (NVBA) by its more than 800 members.

NVBA is a group of the area's builders and others allied with the building industry concerned with quality construction and training in the commercial and homebuilding industry. NVBA is the parent organization of Home Owners Warranty (HOW) of Northern Virginia, a 10-year buyer protection plan for consumers, and the Apprenticeship Program, established to recruit, train and develop apprenticeship workers.

Mr. Koury has been actively involved with NVBA for many years and has served on the

Board of Directors since 1978. A native of New Jersey, he graduated from Dartmouth College in 1965, and received a Masters Degree in Business Administration from the Amos Tuck School of Dartmouth College in 1967. Mr. Koury and his wife, Donna, live in Oakton, with their two children.

Other new officers include L. Randolph Williams of LRW Corp., as first vice president; Monte L. West of West Homes, Inc., as second vice president; William L. Berry of William L. Berry & Co., Inc. as treasurer; and Sidney O. Dewberry of Dewberry & Davis as secretary.

Construction Decline Noted in Annual Report

•Excerpt from "The Virginia Economy in 1981," annual report by the Virginia Division of Industrial Development.

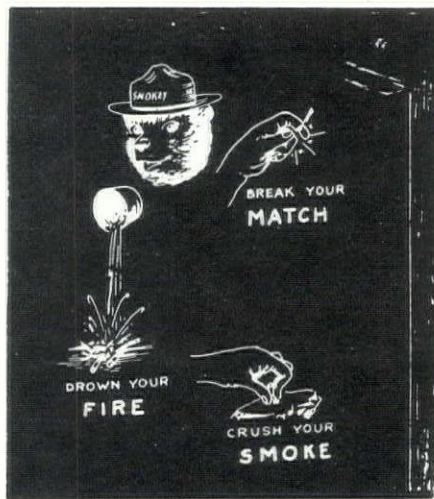
Construction

Virginia experienced much more of a decline in construction employment than did the nation in 1980 and again in 1981. For Virginia, construction employment in 1981 was down 21,000 from 1979, or by 16 percent compared to only a 3 percent decline for the nation. Virginia's decline was evenly divided between the two years. For more than two decades Virginia had a substantially higher proportion of its nonagricultural employment in construction than had the nation, due primarily to its relatively high growth rate. While Virginia's construction employment is still higher, it has moved closer to the national proportion of total employment in the last few years as Virginia's growth rate slowed to the national average.

ABC of Virginia Announces 1982 Officers

- President: Robert A. Stevens, Beltway Construction Co., Inc., Fairfax.
- 1st Vice President: Paul D. Rinaldi, Falls Church Construction Corporation, Oakton.
- 2nd Vice President: Robert Nippes, G & C Construction Corp., Tysons Corner.
- Secretary: James Newland, Eugene Thomas Construction Company, Alexandria.
- Treasurer: Louis J. Zone, Louis J. Zone & Company, Vienna.

The new officers assumed their responsibilities January 1st. The Virginia Chapter of the Associated Builders & Contractors is an association of over 225 commercial and industrial Merit Shop construction firm and related industries.



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Two Firms Receive Top Construction Awards From ABC, Inc. of Virginia

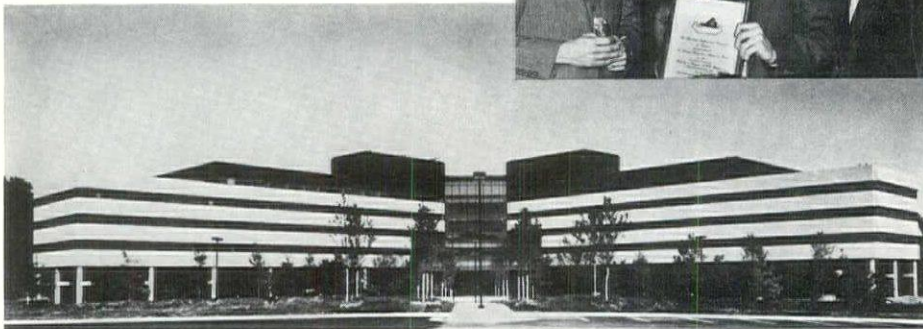
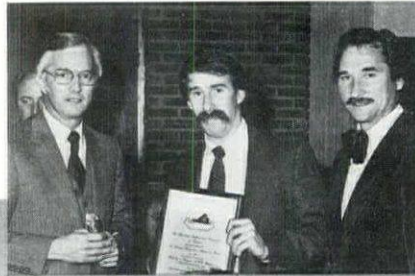
• The Associated Builders and Contractors, Virginia Chapter, recently bestowed upon OMNI Construction Corporation their Best Commercial Project Award for 1981 for OMNI's PRC Headquarters Project in McLean. ABC also bestowed, upon the W. R. Manchester Company, their Best Institutional Project Award for 1981 for Manchester's St. Agnes Classroom Additions Project in Alexandria.

Key subcontractors involved in the PRC Corporate Headquarters were: Anderson and Cramer, Inc. (Mechanical); Holt Brothers, Inc. (Concrete Foundations); Miller & Long Company, Inc. (Structural Concrete); National Applicators, Inc. (Drywall); Prospect Enterprises, Inc. (Roofing and Waterproofing).

Key subcontractors involved in the St. Agnes Classroom Addition were: AAA Thermal Windows & Doors, Inc. (Windows and Doors); Calvert-Jones Company, Inc. (Mechanical Systems); Hallmark Iron Works, Inc. (Reinforced Steel); Higham Company, Inc. (Painting); Prospect Enterprises, Inc. (Waterproofing); Dodd Brothers, Inc. (Drywall); Virginia Concrete Company, Inc. (Concrete); Wayne Insulation Company, Inc. (Insulation); United Masonry, Inc. (Masonry and Brickwork).

These two projects were judged the best in their categories out of a field of 16 projects submitted by area contractors. A Blue Ribbon Panel of Judges evaluated the projects on the basis of the quality of construction in:

- | | |
|---------------------|----------------------|
| A. Site Concrete | F. Interior Walls |
| B. Paving | G. Ceilings |
| C. Landscaping | H. Interior Finishes |
| D. Skin of Building | I. PHVAC |
| E. Flooring | J. Electrical |



Dan Montgomery, center, Vice President, OMNI Construction Corp. accepted the award for the PRC Headquarters Project, McLean. With him are: Herb Reynolds, left, Chairman, Construction Awards Program, and Bob Stevens, right, President ABC of Va. (Mattox photo)



Tom H. Michie, center, with W. R. Manchester, Inc., accepted the award for the St. Agnes School Classroom Addition in Alexandria. With him are: Herb Reynolds, left, Chairman, Construction Awards Program, and Bob Stevens, right, President ABC of Va. (Mattox photo)

The Judging Panel consisted of the following:

John O'Neill
Executive Vice President
AOBA of Metro. Washington

William E. Daniels, Architect
Daniels, Harrelle & Neuman Assoc.

Jack Strang, Architect
Strang & Downham, AIA

Rudy Schroeck
Asst. Chief Plumbing Inspector
Dept. of Environmental Mgmt.
Fairfax County

Joe Berton
Chief Building Inspector
Dept. of Environmental Mgmt.
Fairfax County

Richard Hoff
Fairfax County Arborist

David Pierce
Arlington County Arborist

Jerry Klancer, Representative
Landscape Contractors of Metro. Wash.
Association

Arthur Hunsberger, P.E.
Hunsberger & Monaco, Inc.

Richard B. Ris, President
Metropolitan Subcontractors of
Greater Washington, D.C.

Alton C. Hlavin
Asst. Superintendent for Construction
Fairfax County Public Schools

Paul G. Rasmussen
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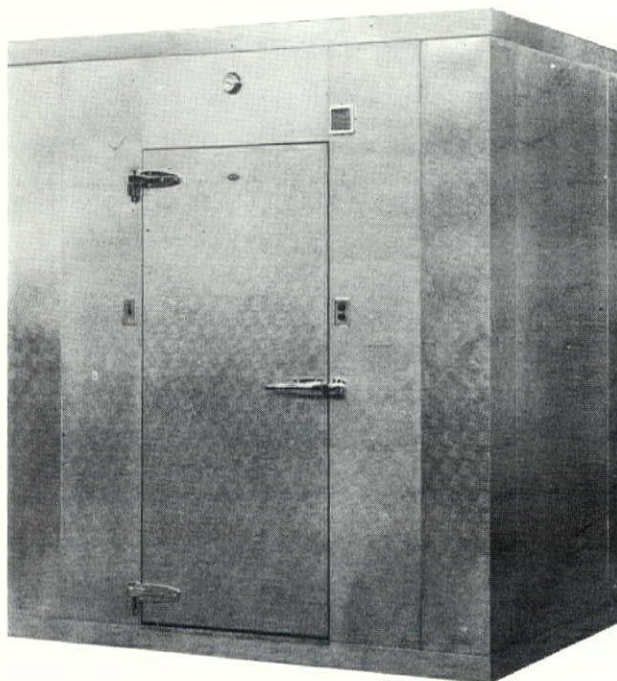
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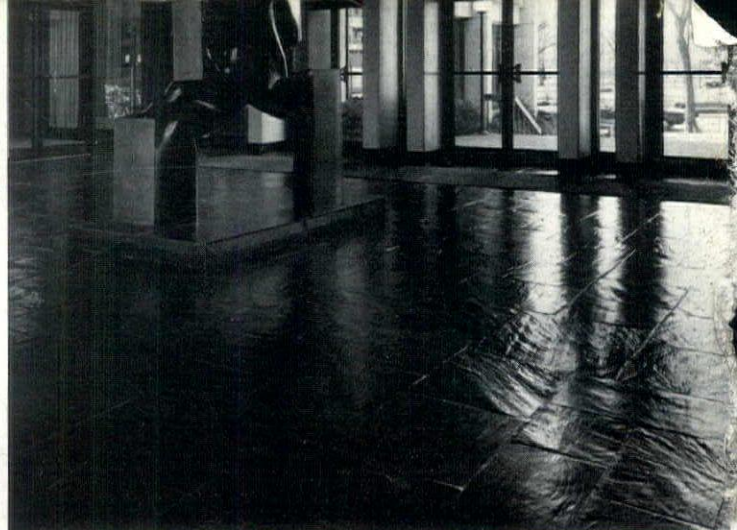
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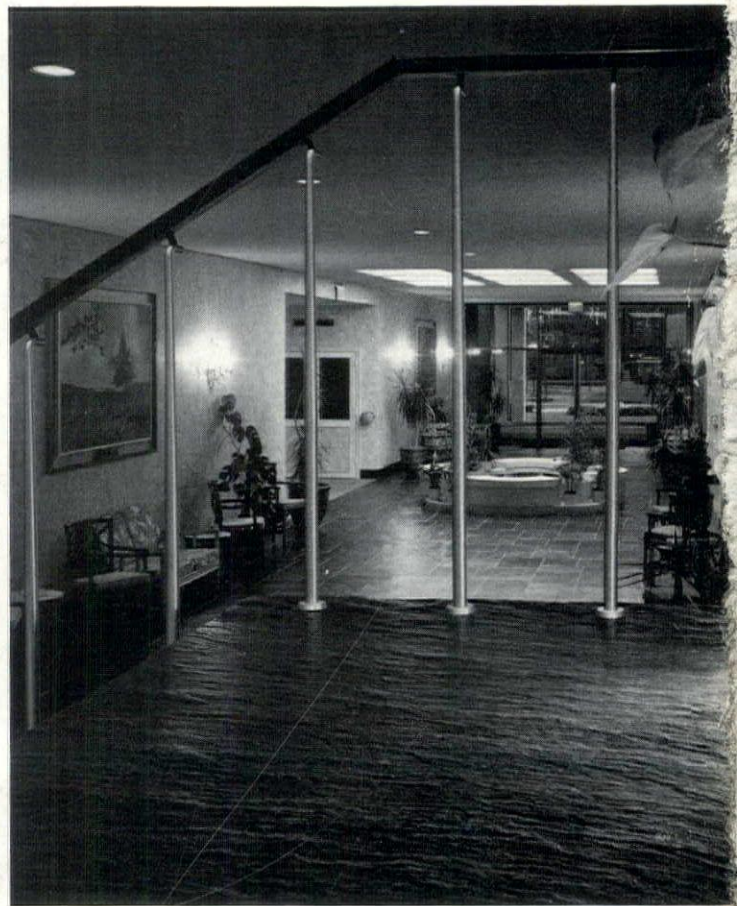
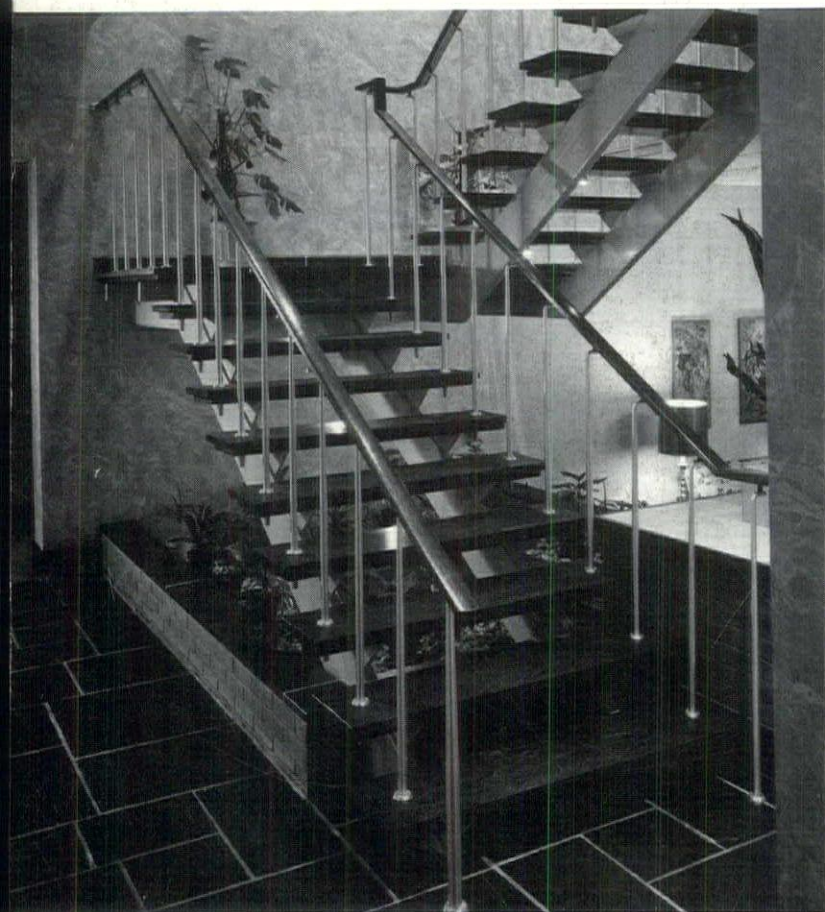
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