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## IN THIS ISSUE


Guest Editorial by Frederick F. Baukhages, IV	7
<b>THE VIRGINIA ARCHITECT SECTION</b>	
AIA News	9
Architectural Anatomy	10
News from McCaughy, Marshall & McMillan	10
Northern Virginia AIA Welcomes New Members and Elects Officers	11
GLAVE NEWMAN ANDERSON & ASSOCIATES, INC. Bowers Brothers Coffee Building Architects' Office	13 17
WARD AND HALL AND ASSOCIATES, AIA Communications Workers of America/Mercury Building	15
WILLIAMS AND TAZEVELL & ASSOCIATES, INC. Maratea Photography Studio	18
BYRON R. DICKSON, JR., ARCHITECT United Virginia Bank of Roanoke, VA Bell Stand, High Street Baptist Church	20 43
MARCELLUS WRIGHT COX & LADD RMA - 2nd Street Parking Garage	40
THE DESIGN COLLABORATIVE/LASZLO ARANYI, AIA Beth Shalom Home of Eastern Virginia	44
OLIVER, SMITH & COOKE, LTD., AIA Maury High School Athletic Facilities	47
SHERERTZ, FRANKLIN AND SHAFFNER Monterey Elementary School Additions	48
<b>AWARDS - Insert</b>	23
ABBOTT ASSOCIATES and THOMAS A. HANSON ASSOCIATES - Honor Award James River Park Pedestrian Bridge	25
THE VVKR PARTNERSHIP - Honor Award British Aerospace, Inc./Rolls Royce, Inc.	26
JAMES WILLIAM RITTER, AIA - Honor Award LeCompte Studio	27
DEWBERRY, NEALON AND DAVIS - JOSEPH BOGGS/STUDIO - Honor Awards Boggs House Titus House	28 29
M. JACK RINEHART, JR., ARCHITECT, AIA - Honor Awards Private Residence Gold Hill Village	30 31
WARD AND HALL AND ASSOCIATES, AIA - Merit Award Crescent Plaza Office Building	32
GLAVE NEWMAN ANDERSON & ASSOCIATES, INC. - Merit Award Church Hill Social Service Center	33
VAUGHAN + BOYNTON ARCHITECTURE - Merit Award Briarwood Hearth - Phase III	34
THE VVKR PARTNERSHIP - Merit Award Jamestown Visitor Center	35
MOSELEY-HENING ASSOCIATES, INC. - Special Award Virginia National Bank, Danville	36
Construction Credits	37, 38
For the Record	51
Index to Advertisers	58

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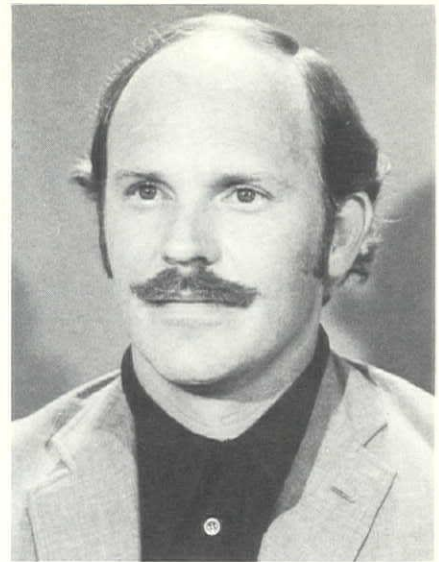
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By  
Frederick E. Baukhages, IV, AIA

## Intern-architect Development

IN THE August 1978 issue this guest editorial put down what it considered to be a simple and straightforward description of how one becomes an architect. In that description we noted that the period between graduation and registration represented some of the most important and valuable years in the development of an architect. Important and valuable because those years provide the opportunity to gain real-world experience, develop professional judgement and sense of responsibility necessary to be a professional and to establish the important habit of continued learning.

The graduate seeking a position, from which to put into practice what he or she has learned, has arrived at that point mostly on his or her own. It is up to the established architect to help them the rest of the way. For the past six years The American Institute of Architects has worked with the National Council of Architectural Registration Boards to develop a program to aid the practitioner in helping the graduate. This program is called the Intern-architect Development Program (IDP). Now, after a thorough pilot program, IDP is being adopted in an increasing number of states.

IDP is a bold demonstration of the profession's commitment to sustaining high standards of practice and meeting its responsibility to society. IDP provides entering members of the profession with a unique opportunity for exposure to and exploitation of the broad issues of architectural practice. Designed through cooperation of the AIA, the NCARB, the Association of Collegiate Schools of Architecture and the Association of Student Chapters/AIA, IDP makes the internship years more understandable and more productive by helping intern-architects sharpen their skills and gain the knowledge needed not only to qualify for the registration exam, but to enter the profession at the highest possible level of competence.

IDP responds to the needs of intern architects by:

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Establishing a simplified means of recording and assessing internship experience;

Developing a comprehensive system for intern-architects to acquire skills and knowledge through direct participation, observation and supplementary education activities.

This program in addition to being one of the most efficient ways that registered architects can train young graduates "as you wish you had been trained," has additional value. Experience in the pilot states and other states that have adopted the program has illuminated several significant advantages to AIA and its components. The most important of these is the increased vitality of the components as evidenced by an increase in membership of young, enthusiastic, graduate architects. The program provides a logical transition from student chapter membership to full AIA membership, producing an increased term of institute involvement. This integrated approach to the full spectrum of an individual's career in architecture should help the institute and its components perform more effectively in representing the profession and serving society at large.

Any architect, graduate or student who wants to know more should contact The Virginia Society American Institute of Architects, The American Institute of Architects or The National Council of Architectural Registration Boards. The goal of IDP is a program of work for young employees which will not be just cost-effective for the office, but will complete the young graduates' education and preparation for the licensing examination.



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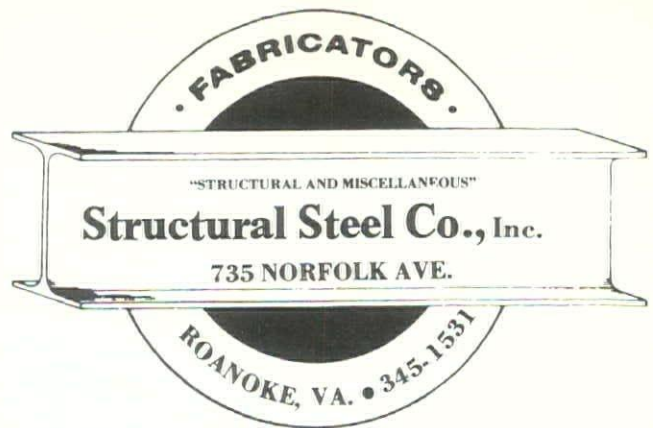
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# NEWS

VIRGINIA SOCIETY  
AMERICAN INSTITUTE OF  
ARCHITECTS

FEBRUARY 1979

This issue of the *Virginia Record Magazine* is dedicated to the architectural firms that put forth the effort it takes to contribute their work for publication, be it in this or another magazine, or in competitions such as the Honor Awards program as sponsored by the Virginia Society, American Institute of Architects. These efforts represent an investment in time and money to those firms who participate and thereby promote architecture through these various media. To those firms who chose to participate, we all owe a great deal of thanks because not only does it bring recognition to them but indirectly all of us benefit whenever the public is exposed to a higher level of architecture.

Through methods such as the Virginia Society AIA Honor Awards Program and the *Virginia Record Magazine*, we the architects of Virginia can "advertise" our services to the general public in a way in which most of us feel relatively comfortable, i.e. by photos of the finished product.

The architectural contents review committee of this magazine continues to solicit your participation in this magazine and encourage participation in other programs to draw attention to buildings of the built environment. For without this participation, these events and this magazine would not be able to continue.

The Public Relations Committee  
Virginia Society, AIA

Richard L. Ford, Jr., AIA



## Architectural Anatomy

There is a Skeleton in  
Your Closet

Design a house for you and your friends and your favorite pet ... giraffe? Well why not. That is the assignment Wayne Hughes and Joe Taylor posed recently for first and second graders at Terraset School. "We hope this architectural fantasy, the pet idea, will help bring to mind building shapes in other than traditional forms," Hughes commented. As part of the GRACE Art in the Schools program, Hughes and Taylor have developed a creative approach for presenting architecture to children. Their ten presentations, two in each Reston elementary school during 1978, are turning kids on to looking at the structures around them, understanding the functioning of their homes and schools, and imagining buildings not yet set in concrete. Hughes and Taylor call their program Architectural Anatomy.

Stand up. Feel your ribs. What do you feel? BONES. Look at your hands. What do you see? SKIN. What do your bones do for you? They hold you up. What does your skin do? It protects you from the weather. Every building has skin and bones just like you.

At the heart of the presentation is a useful analogy which compares buildings with something familiar to the child, his own body. This strategy not only makes the new information easy for the child to assimilate and work with, but develops a feeling of empathy in the child for buildings in his environment and the care they require. The children identify the bones — structural supports of steel, wood, or concrete; and various kinds of skin — glass, wood, brick and plaster, in the room they are in and in the buildings pictured in the slides which are interspersed with the discussion. They observe that skin ages on humans and on buildings, and that oils can retard the drying process of aging. Hughes suggests that the children knock on the walls at home and listen for the position of the bones beneath the skin, that they go into the basement to look for the brain and the heart and all the veins that connect the systems of their homes. The building's brain is the fuse box receiving and sending messages through the wiring, and the furnace is its heart, pumping hot or cold air through the ducts. Hughes points out that buildings like people consume and convert fuel and discharge waste products. Their

faces and personalities are as diverse as those of the individuals who design, live, and work in them.

The method of presentation alternates questions and answers with slides of familiar and distant buildings. The children enthusiastically recognize Dogwood School which Hughes helped to design, the Chimney Houses on Lake Anne, and the Wakefield Recreation Center which Hughes designed for the Fairfax County Park Authority. The children are surprised to discover that a marvelously evocative heap of steel rods are the bones of a Reston school as delivered to the construction site. The slides also include such remarkable structures as the Golden Gate Bridge, the Trans America building in San Francisco, the Mummers Theater in Oklahoma City, and a house designed to look like a prairie chicken.

Taylor introduces the children to designing using large sheets of newsprint and colored markers. The class is first asked to decide what rooms they want. Where is the view? Where is the sun? The children suggest shapes that they could use as patterns in their buildings, stars, circles, squares, triangles. With Hughes and Taylor moving around the room as the young architects worked, a variety of styles emerged including a happy pumpkin faced house on exposed stilts, a suspension house, houses with lookouts, and a hideaway for an octopus. Some of the children, it seemed, aspired to be town planners.

Hughes became interested in working with children as a result of his experience in designing elementary schools such as Oxon Hill Elementary with its low child-height windows. He has varied the Architectural Anatomy presentation to suit the ages and requirements of different classes, focusing on the rhythms of light and shadow patterns for a music class. Hughes is enthusiastic about adding a skeleton as a visual aid to the presentation and about doing a program based on triangles. "Triangular structure is found at every level of the natural spectrum from molecular structure to large buildings, the Pyramids, and social forms. That's because it is the most economical form; it requires the fewest possible points for structural stability."

The GRACE Art in the Schools program and the Arts Resources Directory which is available at the

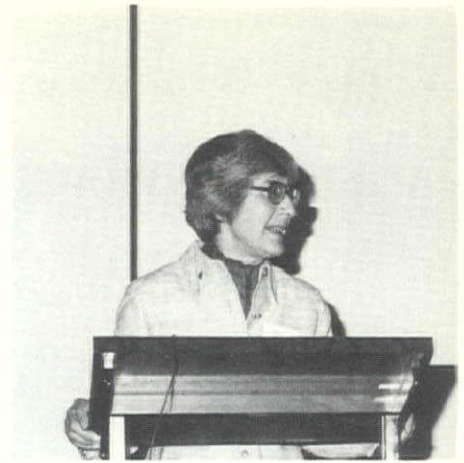
gallery has been developed under a \$500 grant from the Reston PTA and PTOs supplemented with an additional \$500 of GRACE operating funds. The programs including Architectural Anatomy, Living with Crafts, Stained Glass, and Fiber have served 1840 children to date, and will reach substantially more than 2,000 by the close of the school year. The material has been assembled with the professional expertise of such persons as Jim Wallace, photographer; Dieter Goldkuhle, stained glass fabricator; Brenda Belfield, stained glass designer; Lois Salazar, weaver; Peter Danko, furniture designer; Rick Wall, furniture maker; and the Hughes Group, architects. The program is coordinated by Kathryn Ripley Feldman with the assistance of docents Susan Jones, Peggy Seferian, and Cynthia Bushong. GRACE plans to add "Folk Art" and "Metal, Glass and Clay - the Element of Fire" to the available programs next year.

## News from McGaughy, Marshall and McMillan

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## Northern Virginia AIA Welcomes New Members and Elects Officers

The Northern Virginia Chapter of the American Institute of Architects awarded AIA certificates to 17 new members at its annual membership meeting held on October 19, 1978, at National AIA Headquarters. Membership in the Chapter now totals 280 architects.

Northern Virginia AIA Officers elected to serve with Walter A. Brown, 1979 President, include: Patricia Schiffelbein, President Elect; Marvin Cantor,

Secretary; and Lawrence Cook, Treasurer. Chapter Directors, elected for three year terms, include 1980 - Carlos Santos, Tom Kerns; and 1981 - Pamela Clayton; William Klene and Whit Wagner.

Sarah P. Harkness, AIA, founding partner and presently Vice President and Principal of the Architects Collaborative, Cambridge, Mass., was the featured speaker at the meeting.



*Sarah P. Harkness, AIA, with Randy Vosbeck, FAIA, and Michael LeMay, AIA, Chapter President. At top of page, Ms. Harkness is shown during her presentation, "TAC: Where It's Been and Where It's Going."*



*New Northern Virginia AIA Chapter Members with Larry Cook, Chapter Membership Chairman (left), Ehrman B. Mitchell, 1979 National AIA President and Mike LeMay, Chapter President (center), and Walter Brown, 1979 Chapter President (right).*

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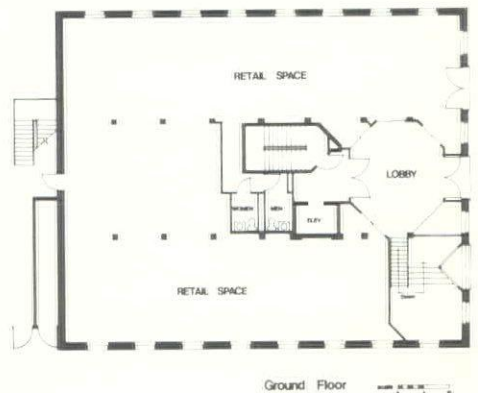


The Bowers Brothers Coffee Building, an 1888 warehouse in historic Shockoe Slip, was the first "in-town" residential unit to be provided in Richmond's warehouse district. Once the center of Richmond's food warehousing, Shockoe Slip has been recycled as a restaurant/entertainment district. It now contains art galleries, boutiques and no fewer than eight restaurants.

The Bowers Brothers Building, located on the site of the tobacco exchange of the 1870s, had been a coffee warehouse but had been vacant for 15 years. The program was to house as many residential units

as possible in the six-level, 21,000 square feet of the building.

The building contains four levels of apartments, with four apartments on each floor, and two levels of retail space. Everything but the massive brick walls and the wood structure was removed. All of the apartments contain a large living-dining room, a kitchen and two bedrooms, each with a bath. The wooden beams are exposed, as are the brick walls in the living rooms. Each apartment contains approximately 900 square feet, but each floor plan is slightly different. Lightweight concrete fill was used







The etched glass doors, bowed railings of the stair, ceramic tile floors and ornamental lighting fixtures all suggest a "period" feeling without obscuring the substantial and massive industrial character of the building.

The exterior, which had been painted and had made use of three different types of brick, has been painted dark chocolate with white trim and red sash. The old Bowers Brothers sign has been repainted on the new facade.

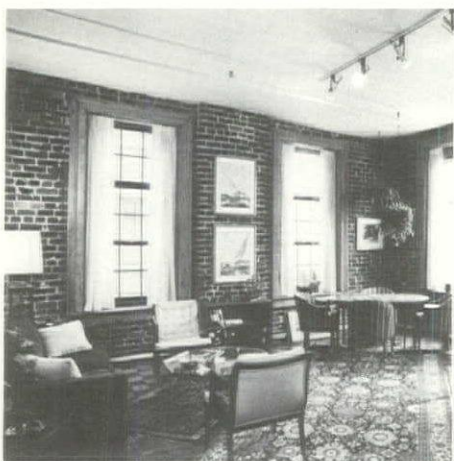
While the renovation was accomplished at a cost competitive with most modern speculative apartment buildings, it has a rough hewn strength rarely found in its modern equivalents.

Leake-Enfield Associates, Inc. of Richmond was general contractor and handled masonry work and carpentry.

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to level the floors and to provide acoustical separation between levels. Wood parquet floors are used throughout. Heating and air conditioning is provided by individual heat pump units, and the existing sprinkler system was reworked.

The ground floor of the Coffee Building contains an octagonal lobby which gives access to the elevator lobby, shops, and the ornamental stairs to the lower level. The old doors of the building have been converted into show windows. The shops are entered through either sliding glass doors or large iron gates. Approximately 3,400 square feet of retail space is available on the first level with another 3,600 square feet at the foot of the ornamental stairs.

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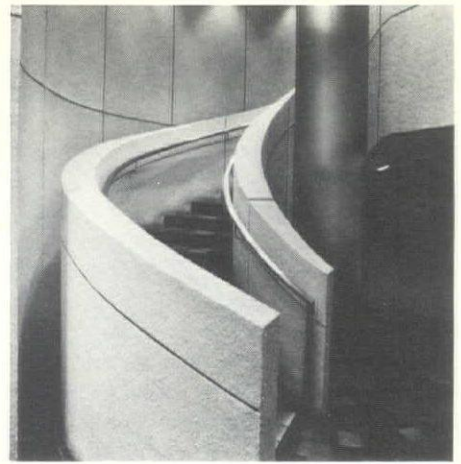
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**Mercury Building — Washington, D. C.**

**Ward and Hall and Associates, AIA — Architect**

Structural Engineer, Serop Nersessian • Mechanical Engineer, William A. Brown • Electrical Engineer, William A. Brown • Landscape Architect, Rolf Jensen • Interior Design, Ward & Hall & Associates, AIA • General Contractor, The George H. Hyman Construction Co. • Photography, Robert Rathe.



The Communications Workers of America had owned, for a number of years, the Mercury Building, an eight-story limestone faced office building at the corner of 20th and K Streets, N.W., Washington, D.C., with the existing building containing approximately 65,000 square feet. The owner was occupying approximately one-half of the existing building and renting the remainder. Anticipating the need to provide additional office space for its staff, the owner acquired additional adjacent property to the north on 20th Street. With the additional property available, the owner determined to construct a new office building on 20th Street with adequate underground parking for both new and existing

building and to use as office space the top three floors of the combined buildings.

The program needs included space for elected and appointed officers, all staff functions, adequate accommodations for board meetings, space for conference groups and educational meetings, dining facilities for staff lunch-time use, computer facilities, printing and reproduction facilities, museum space, and all other ancillary functional spaces required at the headquarters of a national organization.

The original land area contained 8350 square feet, with the property acquired on 20th Street having an area of 14,150 square feet, for an overall site area of 22,500 square feet. The land is zoned C3B under the

District of Columbia zoning ordinance, which zoning classification allows a 6.5 FAR. The combined property resulted in approximately 90 feet frontage on K Street and 232 feet frontage along 20th Street. A public alley to the east gives access to the service area of both buildings and this open space provides window access on this elevation. The high point of the site is at the southeast corner with an 11 foot drop in grade between that point and the northerly property line.

It was determined to design the building addition and the renovation of the existing older building to appear as one building when the project was completed.



Because of the construction of the limestone facing on the existing building, it was judged to be most logical to leave the limestone substantially in place and to apply a lightweight well-insulated curtain wall over the limestone and thus carry that design element throughout the project on the two street elevations.

Stainless steel was thereby chosen as the curtain wall material because of its permanence, light weight and its jewel-like texture in direct sunlight when used in a faceted panel.

As the owner desired to occupy the top three floors of the new building and to relate that usage to the remodeled top three floors of the existing building, floor elevations were matched on the seventh and eighth floors. The remodeled K Street lobby of the existing building is connected by a ramping corridor to the upper level of the new building.

A four-story underground garage was designed as part of the addition with continually sloping floors thereby avoiding internal ramps.

Banking and retail spaces were provided at the lobby levels with each retail space having direct access to an adjacent covered public arcade.

The owner's board room was located on the seventh floor to provide two-story headroom. The board room was designed with an adjacent balcony with a view to the west.

The building is designed with flexible means of providing electric power, telephone and HVAC systems to all office and retail spaces. Electrical and telephone distribution has been provided in floor ducts and HVAC distribution is provided by means of overhead modulating equipment.

The existing penthouse was combined into the new building's penthouse; thereby also achieving a unified appearance.

The owner's initial budget for the basic project was approximately \$6.5 million, with the completion of certain interior spaces for owner and tenant use and other owner requested modifications, the final construction contract was \$8 million.

The George H. Hyman Construction Co. of Bethesda, Maryland was general contractor and handled piling, paving, foundations, concrete work, masonry work, stonework, concrete roof deck and carpentry.



#### Subcontractors and Suppliers

From Maryland were: Marvaco, Inc., Fairmont Heights, excavating; The Ceco Corp., Beaver Heights, reinforcing; Howat Concrete Co., Kenilworth, concrete supplier; Washington Woodworking Co., Inc., Landover, millwork, paneling & cabinets; W. G. Cornell Co. of Washington, Inc., Brentwood, sheet metal, sprinkler contractor, plumbing fixture supplier, and plumbing/heating/ventilating/air conditioning contractor; PPG Industries, Inc., Hyattsville, glass & storefront; Metal Construction Services Corp., Baltimore, glazing contractor & windows; James S. Lertora, Silver Spring, plaster contractor; Boatman & Magnani, Inc., Capitol Heights, ceramic tile; Southeastern Floor Co., Inc., Beltsville, resilient tile; and Devoe Paint, Kensington, paint supplier.

And, from Virginia were: Rolf Jensen, Great Falls, landscaping contractor; United Clay Products, Alexandria, masonry supplier (Flamingo mortar); Early Studios, Manassas, stonework supplier; A. F. Jorss Iron Works, Inc., Arlington, steel grating, miscellaneous metal and handrails; Prospect Industries, Inc., McLean, waterproofing; The Mathy Co., Fairfax, built up roof; Max Contracting Co., Inc., Falls Church, wall insulation, gypsum board

contractor & acoustical treatment; Webb Builders Hardware, Inc., Fairfax, hardware supplier; Ballard & Associates, Inc., painting contractor & wall covering; and Dominion Electric Supply Co., Inc., Arlington, lighting fixture supplier.

Others were: Tremco Sealants, Cleveland Ohio, caulking; Celotex Corp., roof insulation; City Steel Door Corp., metal doors & frames; Pella - U. S. Plywood, wood doors; Liskey Aluminum, special flooring; Devoe Paint, Louisville, Kentucky, paint manufacturer; Watrous, Inc., special wall finish; Westinghouse Elevator, Jersey City, N. J., elevators; Walter C. Doe Co., Washington, D. C., electrical contractor; G. W. Blanchard Co., Inc., Magic Door equipment; Barbee-Curran Elevator Co., belt manlift; The Brandt Corp., fan coil covers; Cutler Mail Chute, mail chute; S. L. Cooper & Associates, loading dock; Lamb Seal & Stencil Co., CWA plaque; Louver Drape Co., vertical blinds; North American Door Co., metal rolling door & aluminum rolling grilles; Sanymetal Products Co., metal toilet partitions; Schultz & Mellits, Inc., fire extinguishers; and Capital Producers, installers of metal rolling door and aluminum rolling grilles.

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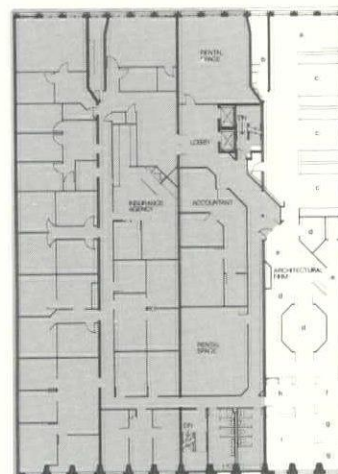
## Architects' Office

The Ironfronts, Richmond

Glave Newman Anderson & Associates, Inc. — Architect



Structural Engineer, W. J. Davis • Interior Design, Glave Newman Anderson & Assoc., Inc. • General Contractor, Heyward Construction Co., Inc. • Photography, Katherine Wetzel.



The offices of Glave Newman Anderson and Associates, Inc., are located in the Ironfronts, a cast iron building of 1866 located in the heart of Richmond's financial district. Founded in 1965, Glave Newman Anderson has always been located in historically significant buildings, first in the Ellen Glasgow Carriage House, and later in a late nineteenth century house in the 200 block of West Franklin Street.

The firm has grown from two partners and one employee to four principals with a staff of sixteen. When it became clear that their old quarters were too small, the firm began a search for larger offices in an historically important building. The Ironfronts was an ideal location and Glave Newman Anderson was the first major tenant to locate in the building. They were also the architects and developers for the building.

The space they rented was 25 feet wide and 150 feet long, with windows at the narrow ends, a 15 foot ceiling, and a large skylight in the middle of the space. The long narrow space was difficult to divide into small private offices. The decision was therefore made to locate all eleven registered architects and support staff "in-the-open," thereby promoting the atmosphere of a traditional architectural studio.

Low, free-standing partitions subdivided the space, with a secretarial/reception/conference area in the middle separating the two studio areas. Within

the studios, drafting stations are subdivided into groups of four. A library/research area is located to the front, adjacent to a coffee/print area.

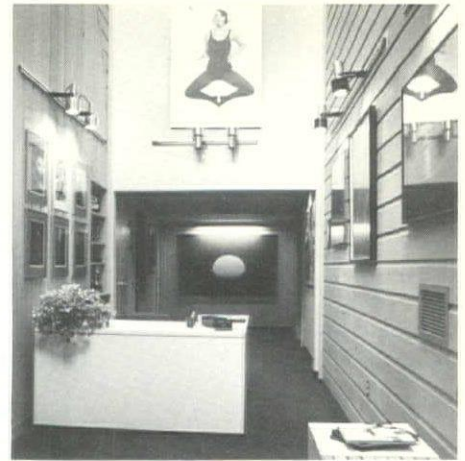
The walls are exposed brick, new partitions are painted white, the ceiling is deep blue and the carpet neutral. The mechanical and electrical systems are exposed. Since moving into the new office, Glave Newman Anderson has expanded by five persons. The office arrangement has proven to be flexible and adaptable, and the open arrangement has greatly improved intra-office communications.

Heyward Construction Co., Inc. of Richmond was general contractor and handled masonry work, carpentry, structural wood, millwork and cabinets.

### Subcontractors & Suppliers (Richmond firms unless noted)

Hanover Erectors, Inc., Ashland, steel supplier/erection; Richmond Glass Co., glass/glazing contractor; H. Beckstoffer's Sons, Inc., wood doors; Roanoke Engineering Sales Co., Inc., windows; Pleasants Hardware, hardware supplier; F. Richard Wilton, Jr., Inc., gypsum board contractor; T.F. Frick & Co., painting contractor; Dover Elevator Co., elevators; Virginia Sprinkler Co., Inc., Ashland, sprinkler contractor; Hungerford Mechanical Corp., heating/ventilating/air conditioning/electrical contractor.





# Maratea Photography Studio

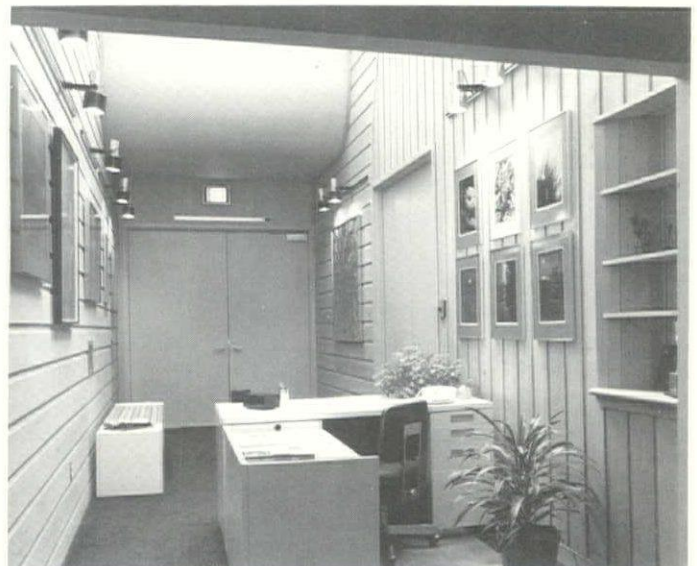
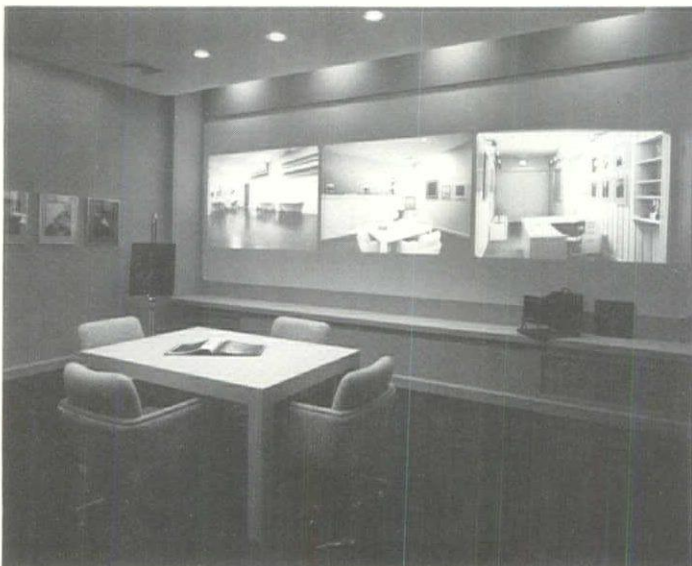
Virginia Beach

Williams and Tazewell & Associates, Inc. — Architect

Structural Engineer, Williams and Tazewell & Assoc., Inc. • Mechanical Engineer, Vansant & Gusler, Inc. • Electrical Engineer, Vansant & Gusler, Inc. • Interior Design, Williams and Tazewell & Assoc., Inc. • General Contractor, C. F. Hardy Building Corporation • Photography, Ronn Maratea.

For Ronn Maratea, commercial photographer, the decision to move his studio from his home was easy. "Frankly business had been going well, and I needed more space and efficiency," he says.

He decided to design and build his studio from the ground up, rather than lease existing space for two reasons. First, he felt that any commercial photographer who leases space normally makes major compromises. "I made no compromise." He says that if he had to do the building all over again, he would make no changes in the function or design of the spaces. "I would keep it exactly as it is now." His second reason for building from the ground up





was an economic one. Space of a comparable size with comparable features would have cost him more in rent than his mortgage payments.

Using his own experience and references from Eastman Kodak, Maratea had a good handle on the amount of space he needed. He also knew that to accommodate his space requirements within his tight budget would require a very efficient design. This is what motivated him to use an architect, "I am a photographer, not an architect; there's no question I could get a better job done as far as space usage, mechanical systems, the whole bit, if I hired somebody to do it rather than just going to a general contractor with some lines drawn on a piece of paper".

For Maratea and his wife Jan, who works with him, site selection was particularly important. Knowing the size studio they needed, the Marateas looked for a site that would give them the minimum required parking and would be very close to their home because of the number of hours they put into the business. They located a site off Virginia Beach Boulevard near their home in Virginia Beach. The lot is triangular with less than 10,000 sq. ft. The building was sited to accommodate the shape and to allow for isolated outdoor photography areas. One problem was that the site required a more costly foundation because it is fill land. This factor coupled with the Marateas' tight budget resulted in basically a box shaped building with one corner sliced to conform to the triangular lot. A wood frame structural system was used to reduce the foundation load.

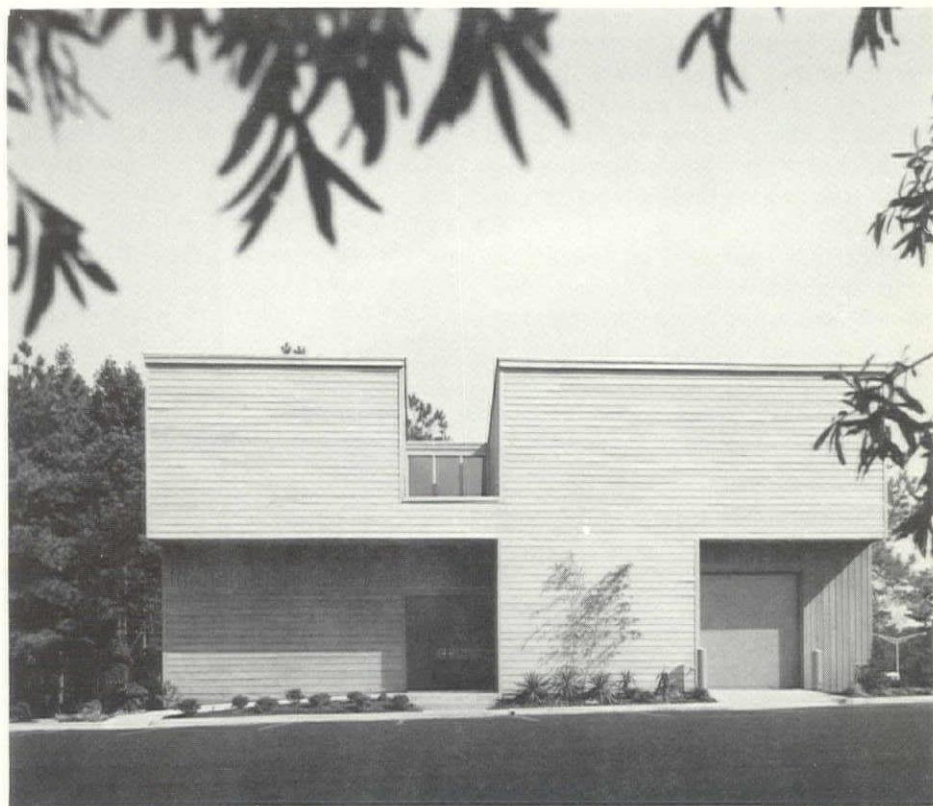
As mentioned, Maratea was prompted to build by his need for additional space, but not just any type of space. "I had to have space, first of all, that would be a showcase for my work when people first walk through the door." Thus the entry foyer was designed as both a gallery and a reception area. "That reception area has gotten me business," says

Maratea. "It's a working space in that sense; the building is a salesman for me."

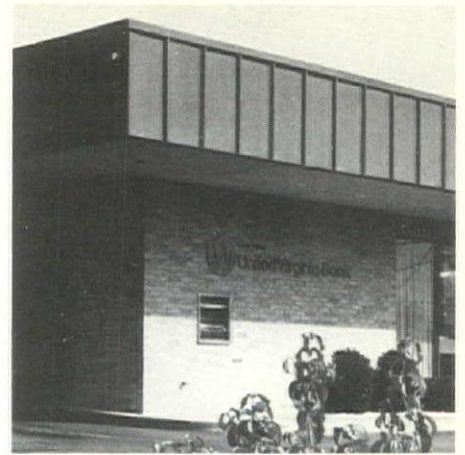
Maratea also needed a large open camera room with a minimum 12' ceiling and 40' of clear span. The room has a structural slab to accommodate automobiles which are brought in through an overhead door to be photographed. The need to minimize the foundation load while providing the 40' span dictated the use of a wood truss system. Actually the height is 12'-4" to allow for wood cleats in the ceiling for attached lights. This provides great flexibility in the use of the space.

A rather unique feature of the studio is the audio-visual center. The key parameter was the correct screen to projector distance to obtain the optimum picture size. The distance was calculated using Eastman Kodak tables. The projection booth itself was then sized allowing space for two people to work comfortably. All audio-visual equipment is built into counters in the projection booth. The room is on its own sub-panel for electrical control. It has a built-in sound system and is designed so that, if necessary, one person can control an entire audio-

*(Continued on page 53)*







## UVB of Roanoke, NA

Salem

Byron R. Dickson, Jr. — Architect

Interior Design, Wade Interior Design • General Contractor, Days Construction Co., Inc. • Photography, Byron R. Dickson, Jr.

The United Virginia Bank of Roanoke has arrived in Salem, Virginia. The new Salem office provides full banking services to the city and the western portion of the Roanoke Valley.

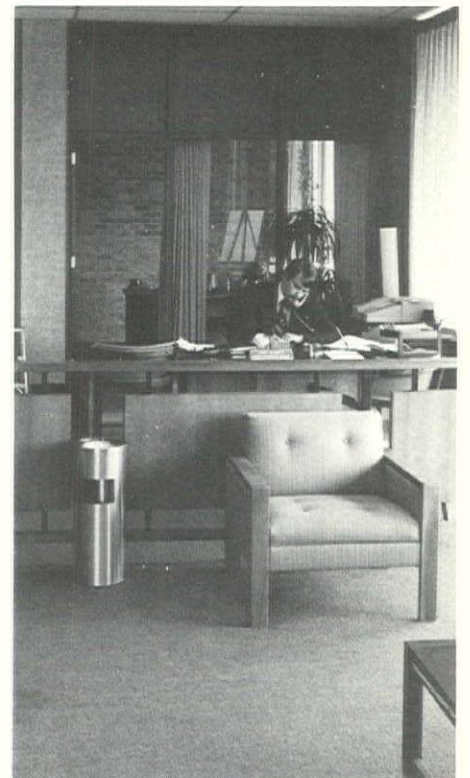
The site is located in the Salem "west end" and occupies approximately an acre of commercial property in the southwest corner of the Spartan Square Shopping Center. To the front of the site is west Main Street, a primary arterial highway which eventually leads to Blacksburg. The land between these urban areas is generally referred to as the "growth corridor." This new banking facility is strategically located to serve the developing business and public interests of the area. Also, being located adjacent to one of the major shopping centers in the city has proved mutually beneficial to both bank and retail activity.

A fairly level topography has enabled site preparation work to be held at a minimum. Due to vehicular circulation and parking requirements most

of the site is paved. However, along the adjacent rights-of-way and at the building perimeter the quality of landscaping has been emphasized. Building orientation is such that all glassed elevations face in an easterly direction, a definite advantage to energy conservation.

Site plan development is "branch bank traditional," employing a counter-clockwise flow to aid in the use of the drive-up facilities, which consist of a drive-up window and one remote station. Parking is adjacent to the main entrance and provides for approximately 35 vehicles. The main identification sign is blended into the entrance curb and walk arrangement. Walk-up provisions are convenient for around-the-clock use of the night depository. The one-story structure occupies 2800 square feet. Approximately three-fourths of the enclosed area is devoted to banking activities, the remaining to employee support and building operation.

*(Continued on page 53)*





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FEBRUARY 1979

# VIRGINIA RECORD

**AWARDS ISSUE**

In September 1978, the Virginia Society of the American Institute of Architects honored its members and their firms by presenting a number of honor and merit awards for distinguished achievements in architectural design. For many years the Honor Awards program has been the highlight of the Society's fall meeting, presented in the even number years. This program proved to be no exception, with thirty-three firms submitting 103 projects the quality was high and the competition intense.

This year, firms were asked to submit their projects in the following classifications: multi-family residential, single family residential,

additions/remodelings, commercial/office/industrial, recycling/restoration, recreational, institutional, religious, interior space, and miscellaneous. Submitting architects were also requested to make their submissions by way of slides rather than the traditional 8 x 10 glossy black and white photos. This procedure was pursued to encourage more participation by Society architects, while attempting to defer costs. As always, it was still necessary to submit floor plans and site plans in a graphic form.

Whether it was a simplified format or the increased amount of work produced by state firms, it was noted that the submissions were 25% higher than during the 1976 Honor Awards program.

The distinguished jury of Donald Canty, Henry L. Kamphoefner, FAIA, and Arthur Cotton Moore, AIA selected four projects to receive awards of merit and seven projects to receive honor awards. In addition, there was one special award given by the Virginia Masonry Council for distinguished use of masonry in architecture. The selected projects display a variety of style and technique while solving architectural problems in fields ranging from residential to heavy commercial.

The next fourteen pages are devoted to the award winning projects. Congratulations go to those firms who were selected as award winners but also to all of the firms who participated in this exciting, growing architectural program in Virginia.



Honor Award

## James River Park Pedestrian Bridge

Richmond

**Abbott Associates — Architect and  
Thomas A. Hanson Associates — Consulting Engineer**

Owner, Department of Recreation and Parks, City of Richmond • Structural Engineer, Thomas A. Hanson Associates • Landscape Architect, Stanley W. Abbott, FASLA • General Contractor, Heindl-Engel, Inc. • Photography, Carlton S. Abbott, AIA.



Honor Award

---

## **British Aerospace, Inc./Rolls Royce, Inc.**

Dulles Industrial Aerospace Park, Fairfax County  
The VVKR Partnership — Architect

---

Owner, British Aircraft Corp. (USA) Inc./Rolls Royce Aero Eng. • Structural Engineer, The VVKR Partnership • Mechanical Engineer, The VVKR Partnership • Electrical Engineer, The VVKR Partnership • Landscape Architect, The VVKR Partnership • General Contractor, Wayne Construction Co. • Photography, The VVKR Partnership.





Honor Award

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## LeCompte Studio

Waterford

James William Ritter, AIA — Architect

---

Owner, Rowan and Peggy LeCompte • Structural Engineer, Higgs & Higgs, Inc. • Photography, James W. Ritter, AIA.



Honor Award

---

## Boggs House

Richmond

Dewberry, Nealon & Davis - Joseph Boggs/Studio — Architect

---

Owner, Beryl Boggs • Structural Engineer, Beryl Boggs • Mechanical Engineer, Beryl Boggs • Electrical Engineer, Peter Barna Lighting Design • Landscape Architect, Joseph Boggs • General Contractor, Boggs Construction Co. • Photography, William Mills.





Honor Award

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## Titus House

Lorton

Dewberry, Nealon & Davis - Joseph Boggs/Studio — Architect

---

Owner, Jonathan Titus, M.D. • Structural Engineer,  
James Madison Lutts • Electrical Engineer, Peter  
Barna Lighting Design • Landscape Architect,  
Joseph Boggs • Interior Design, Patricia Titus •  
General Contractor, Jonathan Titus, M.D. •  
Photography, William Mills.



Honor Award

---

## Private Residence

Northern Neck

M. Jack Rinehart, Jr., AIA — Architect

---

Structural Engineer, David Morris, P. E. • Mechanical Engineer, M. Jack Rinehart, Jr., AIA • Electrical Engineer, M. Jack Rinehart, Jr., AIA • Designer, Project Architect, Samuel S. Cleveland • General Contractor, Leonard Forrester • Photography, Huffman Studio.





## Honor Award

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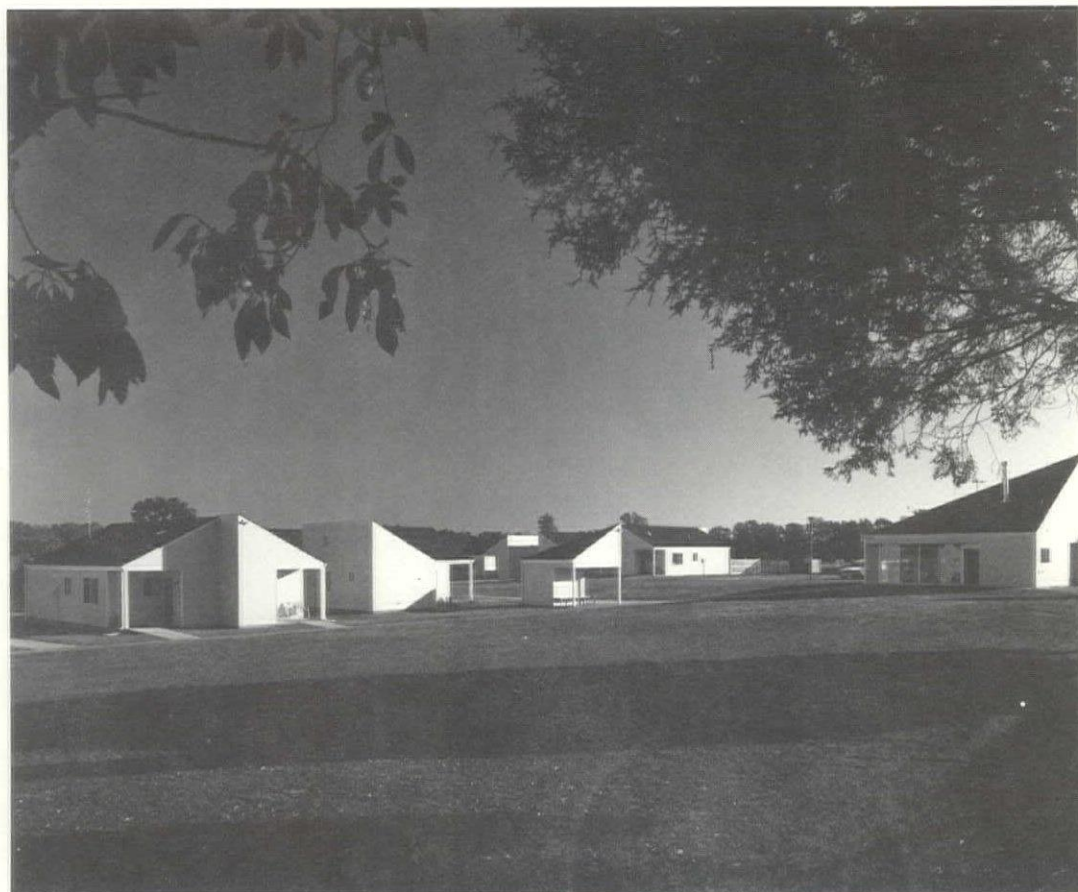
### Gold Hill Village

Buckingham County

M. Jack Rinehart, Jr., AIA — Architect

---

Owner or Developer, Buckingham Housing Development Corporation • Structural Engineer, David Morris, P.E. • Mechanical Engineer, M. Jack Rinehart, AIA • Electrical Engineer, M. Jack Rinehart, AIA • Landscape Architect, M. Jack Rinehart, AIA • General Contractor, R. W. Hill & Sons, Inc. • Photography, Huffman Studio.



**Merit Award**

---

## **Crescent Plaza Office Building**

**Falls Church**

**Ward & Hall & Associates, AIA — Architect**

---

Owner, 7700 Crescent Plaza Limited Partnership •  
Structural Engineer, Allison-Meyer, Structural  
Engineer • Mechanical Engineer, Benbassat &  
Sporidis Company • Electrical Engineer, Benbassat &  
Sporidis Company • Landscape Designer, Rolf  
Jensen • General Contractor, Glen Construction  
Company, Inc. • Photography, J. Alexander Studio.





**Merit Award**

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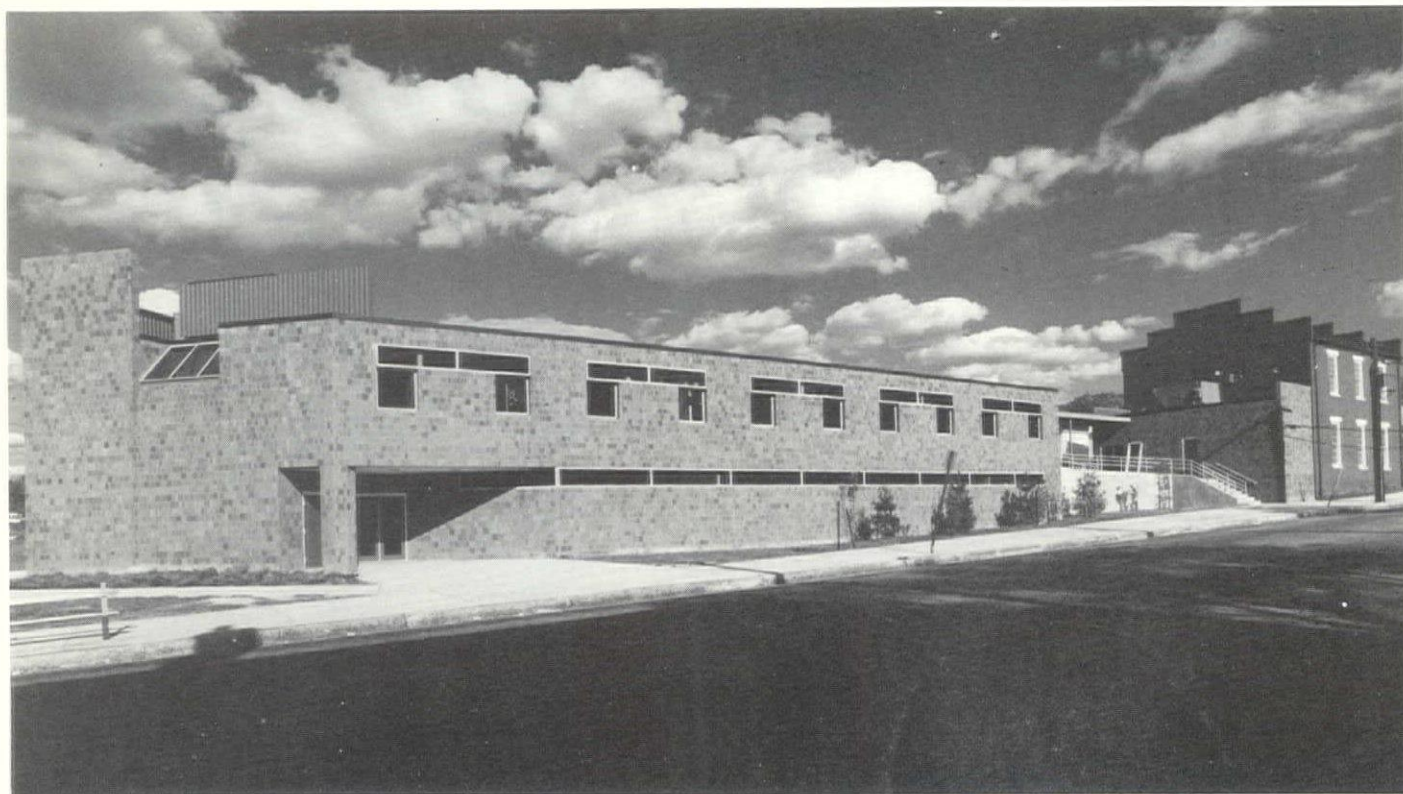
## **Church Hill Social Service Center**

**Richmond**

**Glave Newman Anderson & Associates, Inc. — Architect**

---

Owner, City of Richmond, Virginia • Structural Engineer, William J. Davis • Mechanical Engineer, Hankins and Anderson • Electrical Engineer, Hankins and Anderson • Landscape Architect, Wilson-Moreth Partnership • General Contractor, A. L. Howard, Inc. • Photography, Glave Newman Anderson & Associates, Inc.



Merit Award

## Briarwood Hearth, Phase III

Chesterfield County

Vaughan + Boynton Architecture — Architect

Owner or Developer, The Covington Company •  
Structural Engineer, Vaughan + Boynton  
Architecture • Mechanical Engineer, Vaughan +  
Boynton Architecture • Electrical Engineer, Vaughan  
+ Boynton Architecture • Landscape Architect, C.  
Preston Dalrymple • General Contractor, Multi-Con,  
Inc. • Photography, Robert A. Boynton, AIA.





**Merit Award**

---

## **Jamestown Visitor Center**

**Jamestown**

**The VVKR Partnership — Architect**

---

Owner, Department of the Interior National Park Service • Structural Engineer, The VVKR Partnership • Mechanical Engineer, The VVKR Partnership • Electrical Engineer, The VVKR Partnership • Landscape Architect, The VVKR Partnership • General Contractor, Wintz Brothers Construction • Photography, Jay Alexander.



## Special Award

### Virginia National Bank

Danville

Moseley-Hening Associates, Inc. — Architect

Virginia Masonry Council Special Award • Owner, Virginia National Bank • Structural Engineer, Dunbar, Milby & Williams, Inc. • Mechanical Engineer, W. G. Brandt, Jr. & Associates • Electrical Engineer, W. G. Brandt, Jr. & Associates • Interior Design, American Furniture & Fixture Co., Inc. • General Contractor, John W. Daniel & Co., Inc. • Photography, Huffman Studios.





## Construction Credits

### James River Park Pedestrian Bridge

Heindl-Evans, Inc. of Mechanicsville was general contractor.

Subcontractors & Suppliers  
(Richmond firms unless noted)

Expert Fence Co.; Hanover Concrete Corp. Mechanicsville; Cherotuck Nurseries; Tidewater Materials Corp.; Bowker & Roden, Inc.; Economy Cast Stone Co.; Welding Service Co.; A. E. Tate Lumber Co., Inc.; and W. W. Nash & Sons, Inc.

### British Aerospace, Inc./Rolls Royce, Inc.

Wayne Construction Co. of Arlington was general contractor.

Subcontractors & Suppliers

American Steel Products Corp., Woodbridge, hollow metal doors & frames; Arlington Woodworking & Lumber Co., Inc., McLean, millwork; Baco Co., Inc., Springfield, plumbing & HVAC; Builders Hardware Corp., Rockville, MD, hardware; Building Products Co., Landover Hills, MD, toilet accessories; Burkholder & Krieg, Merrifield, erection; Crawford Doors Sales Co., Lorton, rolling steel doors; Custom Walls & Windows, Inc., Kensington, MD, aluminum windows; Fabricated Steel Products, Inc., Cockeysville, MD, structural steel, joists, deck; The Fireline Corp., Silver Spring, MD, Halon system; The Howard P. Foley Co., Beltsville, MD, electrical; and Franklin Marble & Tile Co., Capitol Heights, MD, ceramic tile, terrazzo & slate.

Also, Vincent A. Giganti Jr. & Assoc., Washington, D. C., flagpole; Michael Gordon Air Passage Equipment, Inc., Arlington, louvers; Handling Equipment Sales, Landover, MD, loading dock equipment; High Point Sprinkler Co., Inc., Beltsville, MD, sprinkler system; Long's Fence Co., Inc., Capitol Heights, MD, fencing; Louver Drape, Inc., Baltimore, MD, vertical blinds; Marty's Floor Covering Co., Inc., Alexandria, carpet, resilient tile; Miller Building Supply Co., Inc., Bailey's Crossroads, kitchen equipment; Otis Elevator Co., Washington, D. C., elevator; and V. F. Pavone Construction Co., Alexandria, masonry.

Others were: Perrin & Martin, Inc., Arlington,

roofing; Pied Piper of Virginia, Silver Spring, MD, termite control; H. H. Robertson Co., Washington, D.C., insulated metal panels; Rodgers Excavating Co., Inc., Fairfax, excavation, curb & gutter; Service Glass Industries, Inc., Frederick, MD, aluminum doors & frames, glass & glazing; Steel Products, Inc., Rockville, MD, compartments, lockers, etc.; Strescon Industries, Inc., Silver Spring, MD, Flexicore slabs; Tate Interiors, Elkridge, MD, access floor; Thomsson Steel Co., Beltsville, MD, reinforcing steel; Virginia Concrete Co., Inc., Springfield, concrete; W & W Fabricators, Inc., LaPlata, MD, miscellaneous metal; Williams Enterprises, Fairfax, erection of metal panels; Wilmar Contractors, Inc., Vienna, painting, caulking etc.; and T. M. Woodall Corp., Takoma Park, MD, dry wall, insulation & acoustic tile.

### The Boggs House

The owner, Beryl Boggs, acted as general contractor and handled electrical, plumbing, roofing, carpentry, concrete, sheetrock and insulation.

Subcontractors & Suppliers

Martin Heating, mechanical; and Roper Lumber Co., Petersburg.

### The Titus House

The owner, Jonathan Titus, acted as general contractor and handled electrical work.

Subcontractors & Suppliers

(Alexandria firms unless noted)

Sheet Metal Fabricators, Inc., mechanical; Griffin Plumbing & Heating Co., Inc., plumbing; Perma-Plastic, Philadelphia, PA, roofing; T. Alan Taylor, Contractor, carpentry & concrete; Allen and Van Hoven, sheetrock; Davenport Insulation, insulation; S & S Kitchen Products, Manassas, kitchen; and Fairfax Mill Work, Fairfax.

### Private Residence

Leonard Forrester of Lively, was general contractor.

Subcontractors & Suppliers

Robert N. Booth & Son, Inc., Callao, sodding, seeding, etc. & paving; Robert Beasley, Callao, concrete supplier; Braden Haney, Lively, masonry contractor; Kilmarnock Planing Mill, Kilmarnock, millwork & cabinets; Cedar Roofs of Richmond, Inc.,

Richmond, roofing; Crowther Heating & Air Conditioning, Kilmarnock, roof & wall insulation, and heating/air conditioning contractor; Binnings, Inc., Lexington, NC, metal doors & frames; and S D G, Incorporated, Richmond, wood doors.

Others were: Andersen, windows; Martin Hardware, Charlottesville, hardware supplier; Tri-City, Saluda, plaster contractor; Town & Country Decorating, Gloucester Point, structural (glazed) tile; Colin Berry, Lancaster, painting contractor - Glidden paint; L & J Plumbing, Whitestone, plumbing contractor; Noel's Electric Service, Kilmarnock, electrical contractor and Lightolier, lighting fixtures.

### Gold Hill Village

R. W. Hill & Sons, Inc., of Arvon, was general contractor and handled excavating, sodding, seeding, etc., paving, carpentry, roof/wall/foundation insulation, glazing and gypsum board work.

Subcontractors & Suppliers

New Canton Concrete, New Canton, concrete supplier; Lynchburg Steel & Specialty Co., Monroe, steel supplier & handrails; Automated Structures, Charlottesville, structural wood; Ruffin & Payne, Inc., Richmond, millwork, cabinets & wood doors; E. B. Lightfoot, New Canton, roofing; Charlottesville Glass & Mirror Corp., Charlottesville, windows; Martin Hardware, Charlottesville, hardware supplier; Foster's Carpet Land, Farmville, ceramic tile & carpet; W. E. Kidd, Farmville, painting contractor; D. A. Hines Co., Lynchburg, paint supplier - Martin-Senour/Benjamin Moore paints; Noland Co., Charlottesville, plumbing fixture supplier; Tyson's Plumbing, Columbia, plumbing contractor & septic systems; Weather Conditioners, Inc., Lynchburg, air conditioning contractor; Piedmont Electric, Charlottesville, electrical equipment supplier; N. G. Herndon, Arvon, electrical contractor; and Falwell Well Corp., Lynchburg, public water system.

### Crescent Plaza Office Building

Glen Construction Co., Inc. of Rockville, MD, was general contractor.

Subcontractors & Suppliers

Maryland firms were: From Rockville - The Bethesda Asphalt & Bituminous Co., waterproofing



& membrane waterproofing; Builders Hardware Corp., finish hardware; Hill & Schneider, Inc., painting; Harvey W. Hottel, Inc., HVAC; Maryland Fire Extinguishing Co., fire extinguishers; and Pel-Bern Electric, Inc., electrical. Other Maryland firms were: Armor Elevator Co., Inc., Brentwood, elevators; Art Precast Stone, Clinton, precast concrete; Asbestos Covering & Roofing Co., Inc., Beltsville, insulation; R. D. Bean, Inc., Beltsville, roofing, sheet metal, insulation & flashings; James A. Cassidy Co., Inc., Beltsville, mail boxes; Custom Walls & Windows, Inc., Kensington, curtainwall, store front; Fabricated Steel Products, Inc., Cockeysville, structural steel; Fairland Excavation Co., Silver Spring, excavation; John H. Hampshire, Inc., Bladensburg, acoustical ceiling; Marty Reilly Co., Kensington, toilet accessories; Shone Building Products, Silver Spring, toilet partitions; Tri-State Erection Co., Seat Pleasant, erection; and W & W Fabrication, LaPlata, miscellaneous metal.

Firms from Virginia and elsewhere were: Arlington Woodworking & Lumber Co., Inc., McLean, millwork; Avon Tile Co., Inc., Washington, D. C., brick pavers; D. Compe, Inc., Arlington, dry wall, lath, plaster; W. L. Frazier, Inc., Fairfax, hollow metal doors & frames; McClary Tile, Inc., Alexandria, ceramic tile; National Asphalt Paving Corp., Merrifield, asphalt paving; The Shade Shop, Inc., Springfield, venetian blinds; United Masonry, Inc. of Va., Alexandria, masonry; Veeco Concrete Construction Co., Inc. of Va., Springfield, concrete; Wilcox Caulking Corp., Lorton, caulking; and Burton & Robinson, Inc., Fairfax, curb, gutter & sidewalk.

### Church Hill Social Service Center

A. L. Howard, Inc. of Richmond was general contractor and handled concrete work, reinforcing, carpentry and gypsum board work.

#### Subcontractors & Suppliers (Richmond firms unless noted)

E. G. Bowles Co., paving contractor; Concrete Structures, Inc., prestressed concrete; Capital Masonry Corp., masonry contractor; E. C. Keys & Son of Virginia, masonry supplier & mortar; Hanover Iron & Steel, Ashland, steel supplier, miscellaneous metal & handrails; Ruffin & Payne, Inc., millwork, cabinets & wood doors; Western Waterproofing Co., Inc., St. Louis, Mo., waterproofing; E. S. Chappell & Son, Inc., caulking; N. W. Martin & Bros., Inc., built-up roof & other roofing; PPG Industries, Inc., glass & glazing; J. S. Archer Co., Inc., metal doors & frames; Hope's Windows - Courtenay Welton, windows; Pleasants Hardware, hardware supplier; Stonnell-Satterwhite, Inc., ceramic tile; Consolidated Tile Co., resilient tile; Carpetalk, carpet; Glidewell Bros., Inc.,

painting contractor; M. A. Bruder & Sons, paint manufacturer; Dover Elevator Co., elevators; Noland Co., plumbing fixture supplier; Catlett-Johnson Corp., plumbing/heating/ventilating/air conditioning contractor; and W. C. Lang, Electric Co., Inc., electrical contractor.

### Briarwood Hearth Phase III

Multi-Con, Inc. of Herndon, was general contractor and handled waterproofing, caulking and painting. Landscaping was handled by the owner.

#### Subcontractors & Suppliers (Richmond firms unless noted)

G. P. Clay Co., excavating, sodding, seeding, etc. & paving; W. J. Rapp Co., Inc., foundations & concrete contractor; Rayco Masonry, Inc., Nokesville, reinforcing, masonry work, masonry supplier & mortar; Powhatan Crushed Stone & Ready Mix, Powhatan, concrete supplier; Bristol Steel & Iron Works, Inc., miscellaneous metal; Accent Ornamental Iron Co., handrails; Richard A. Parker, Quinton, carpentry; Carolina Components Corp., Raleigh, N. C., structural wood; Annandale Millwork Corp., Haymarket, millwork & wood doors; Richmond Lumber Co., cabinets; E. K. Batten & Sons, roofing; Davenport Insulation, Inc., roof/wall/foundation insulation; Hungerford, Inc., sheet metal & plumbing/heating/ventilating/air conditioning contractor; Acorn-E. C. Keys & Sons of Va., sliding glass doors & windows; Acme Hardware Co., Los Angeles, CA, hardware supplier; Capital Drywall, Inc., Amelia, gypsum board contractor; Southern Paint & Decorating Center, resilient tile; Diamond Hill Plywood Co., paint supplier - McCormick Paint; Thulman - Eastern Fireplace Products of Va., Inc., Chesapeake, specialties; Gesmar Corp., plumbing fixture supplier; Advance Electric Co., lighting fixtures supplier & electrical contractor; White-Westinghouse, Norcross, GA, supplier of washers & dryers; Sears-Roebuck & Co., Inc., supplier of kitchen appliances. Carpeting was handled by the developer.

### Jamestown Visitor Center

Wintz Brothers, Inc. of Philadelphia, Pa., the general contractor, handled carpentry and structural wood.

#### Subcontractors & Suppliers

N.H. Ertl, Contractor, Norge, excavating; Tidewater Nurseries, Inc., Yorktown, landscaping; Turfco Lawns, Inc., Flourtown, Pa., landscaping; Hastings Paving Co., Inc., Lake Success, N.Y., paving contractor (special); Century Concrete Services, Inc., Va. Beach, concrete contractor; Hall-Hodges, Inc., Norfolk, reinforcing; United, Inc., Grafton, masonry contractor;

Va. Steel, Inc., Hampton, steel supplier, steel erection, steel roof deck; New Holland Planing Mill, Inc., New Holland, Pa., millwork & cabinets; E.S. Chappell & Son, Inc., Richmond, caulking; and, Richmond Roofing Co., Ashland, built-up roof.

Also, PPG Industries, Norfolk, glass, glazing contractor, windows & storefront; Door Engineering Corp., Norfolk, metal doors & frames, hardware supplier & specialties; Paul Plaster & Acoustics Co., Hampton, plaster contractor & acoustical treatment; Murdock Drywall Co., Hampton, gypsum board contractor; Pompei, Inc., Newport News, ceramic tile; Carpet Installation Associates, Inc., Va. Beach, resilient tile (V.A.T.) & carpet; A.P. Perry & Co., Hampton, painting contractor; Scarborough Plumbing & Heating, Newport News, plumbing contractor; W. Cramer & Associates, Philadelphia, Pa., heating/ventilating/air conditioning contractor; and, Jack Numerof, Inc., Philadelphia, Pa., electrical contractor.

Others were: American Seating Co., Norristown, Pa., auditorium seating; Morgan & Co., Philadelphia, Pa., flag poles; Cornell Iron Works, Inc., Wilkes-Barre, Pa., rolling grille; Bonitz All-Weather Crete Co., Greensboro, N.C., asphaltic concrete; Billy James, Hampton, floor tile; and, Chisman Co., Hampton, wire mesh.

### Virginia National Bank

John W. Daniel & Co., Inc., Danville was general contractor.

#### Subcontractors & Suppliers (Danville firms unless noted)

Quality Control Exterminating Co., Inc., pretreatment for termite control; Danville Landscaping, landscaping; Thompson-Arthur Paving Co., paving contractor; Valley Steel Corp., Roanoke, reinforcing; Danville Concrete Products, block supplier; Acme Corp., Texas, brick supplier; Danville Lumber Co., carpentry materials, cabinets & wood doors; E. M. Martin, Inc., Charlottesville, waterproofing, built-up roof & sheet metal; The Bonitz Insulation Co., Inc., Greensboro, N.C., roof & wall insulation; Binswanger Glass Co., Inc., Greensboro, N.C., glass, windows & storefront; Seybar, Inc., Martinsville, metal doors & frames; Tom Jones Hardware Co., Inc., hardware supplier; Wrenn Tile, ceramic tile; J. W. Squire Co., Inc., acoustical tile & floor covering; Quality Control, painting contractor; Cates Building Specialties, Inc., Roanoke, special doors, toilet partitions, toilet accessories; Energy Controls, Inc., plumbing/heating contractor; Watson Electrical Construction Co., Wilson, N.C., electrical contractor. Bank equipment was handled under a separate contract with the owner.



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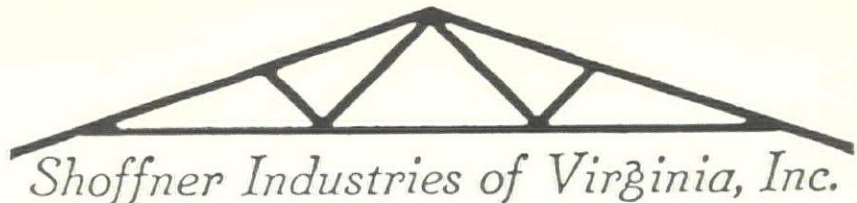
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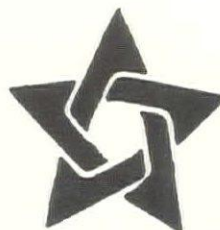
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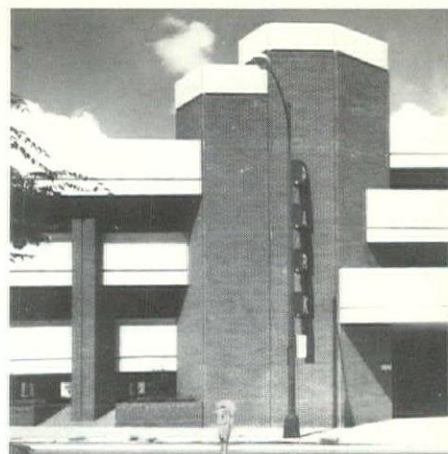


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## R.M.A. 2nd Street Parking Garage

Richmond

Marcellus Wright Cox & Ladd — Architect

Consulting Architect, Howard Needles Tammen & Bergdoff • Structural Engineer, Howard Needles Tammen & Bergdoff • Mechanical Engineer, Howard Needles Tammen & Bergdoff • Electrical Engineer, Howard Needles Tammen & Bergdoff • General Contractor, Bass Construction Co., Inc. • Photography, Lawrence S. Williams, Inc.

The Richmond Metropolitan Authority 2nd Street Parking Garage is an effective resolution of various problems in terms of both its form and its financing. It occupies half a block bordered by Franklin, Grace and 2nd Streets in downtown Richmond. It has four levels, accommodating 380 cars in approximately 150,000 square feet. To design and build a structure





which would be viable financially as well as complementary to its surroundings aesthetically was indeed a challenge. Cooperation between local banks, which provided a low interest bond, the City of Richmond, which subsidized the garage, and the R.M.A. which built and operates it, made this possible. The R.M.A. will continue to operate the garage until the end of the bond period, at which time responsibility for it will be turned over to the city.

In the blocks surrounding the site of the garage, one finds predominantly two- and three-story structures. Many of them are townhouses dating from the Victorian and post-Victorian (pre-1930) eras. The detailing is at the pedestrian scale; the materials

are brick or stone characteristic of the period. Primary facades are oriented toward the east-west streets (Grace and Franklin), as is true of most of downtown Richmond. These streets are main vehicular arteries, which indicated that entry should be made from them into the garage. This necessitated appropriate design gestures and signage to call attention to the entrances from a moving automobile. In an attempt to satisfy both the contextual need for a continued pedestrian scale streetscape and the functional need for a vehicular scale, the present form evolved.

Materials were chosen and applied with the immediate context in mind. The massing is modulated by brick towers and brick-clad concrete

piers. The towers house such functions as stairs and elevators, while serving to visually call out the entrances and exit. They also articulate the corners where streets intersect. Scored joints and brick soldier courses at each level add visual interest. There is a low brick wall along the sidewalk which contains landscaping elements behind it, further softening the building's impact at the ground level.

The three decks are reinforced concrete with site-cast white concrete fascias. Rather than stacking them evenly at the street, it was decided that a stepped-back progression of levels would further reduce the building's monolithic character, inherent to most parking structures. At the Franklin Street

*(Continued on page 55)*



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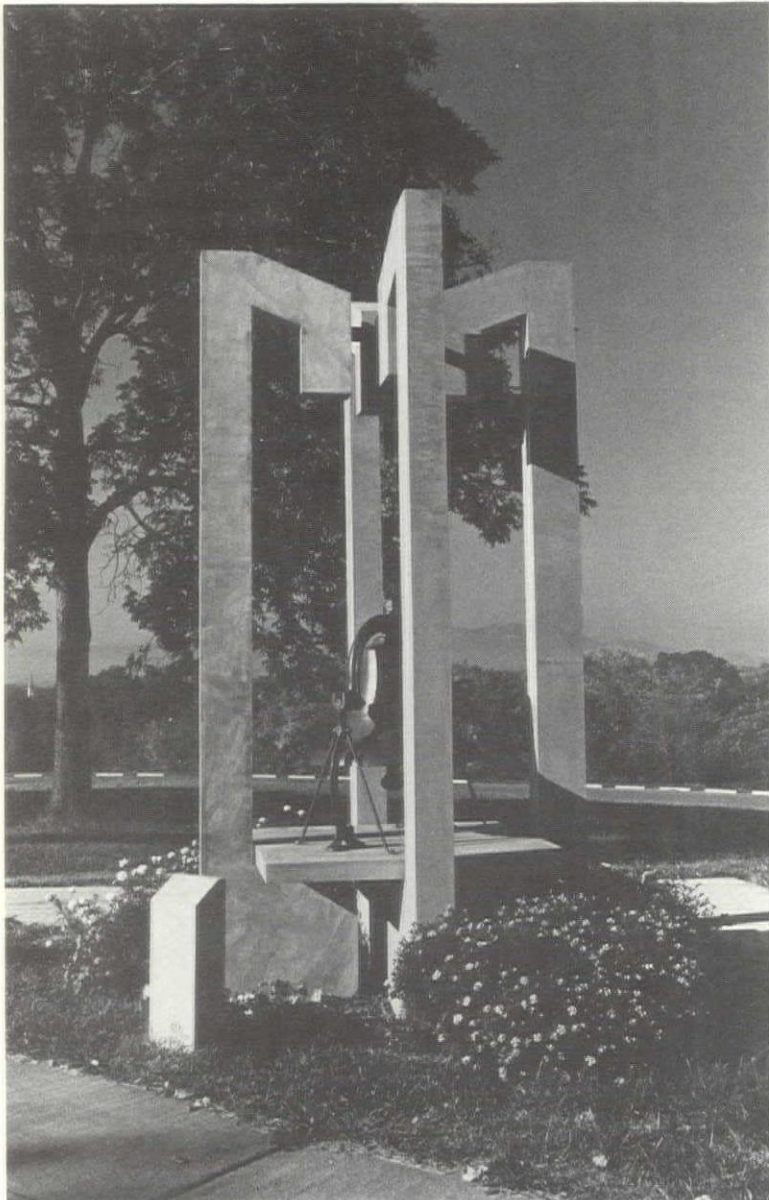




## Bell Stand for High Street Baptist Church

Roanoke

Byron R. Dickson, Jr. — Architect



A reverence for the past is essential for preserving the traditions upon which enduring institutions are based. Such a tradition is the church bell which for fifty years rang in the old church every Sunday morning before services and at funerals. When the High Street Baptist Church moved to their present location in 1972 they brought their bell with them.

The bell originally was rung by pulling on a rope which hung from the bell tower. The rope was attached to a large wheel in the belfrey. The disc activated a wooden strike.

It was decided that the bell would be displayed as a monument to the ongoing financial commitment required to retire the construction debt on the new facility. The bell will not sound, though, in its new location.

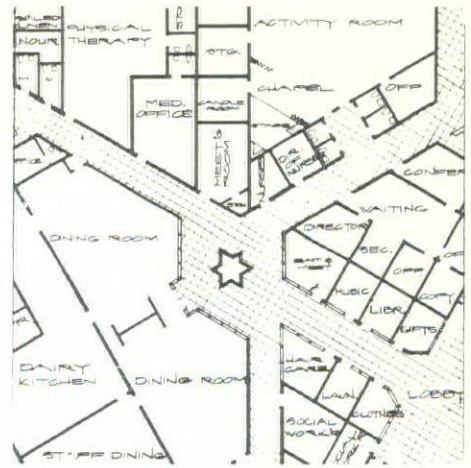
The new bell stand and enclosure arms are constructed of precast concrete. The four vertical arms extend upward 14 feet. The stand base to which the bell is attached is approximately five foot square. Where the arms come together at the top a down-light is provided.

The design character was developed to harmonize with the campanile which stands across the plaza. The location of the bell stand was selected to complement the site plan geometry which will exist after construction of the future education building.

The bell stand and campanile plaza is a gathering point where worshippers can stop and contemplate the past and gain strength for the future. A large pecan tree provides an excellent backdrop for concrete assembly.

The bell stand was constructed by trustees of the church under the direction of their pastor, Dr. Noel Taylor. The church now has around 800 members and celebrated their 94th anniversary during November of 1978. The High Street Baptist Church is a Missionary Baptist Church affiliated with the American Baptist and National Baptist Churches.





# Beth Sholom Home of Eastern Virginia

Virginia Beach

The Design Collaborative/Laszlo Aranyi, AIA

Structural Engineer, Stroud Engineering Company •  
Mechanical Engineer, Old Dominion Engineering •  
Electrical Engineer, Old Dominion Engineering •  
Interior Design, Margaret Allen • General Contractor,  
R. D. Lambert and Son.

This new 120 bed facility will be part of a statewide system of care for the Jewish elderly in Virginia.

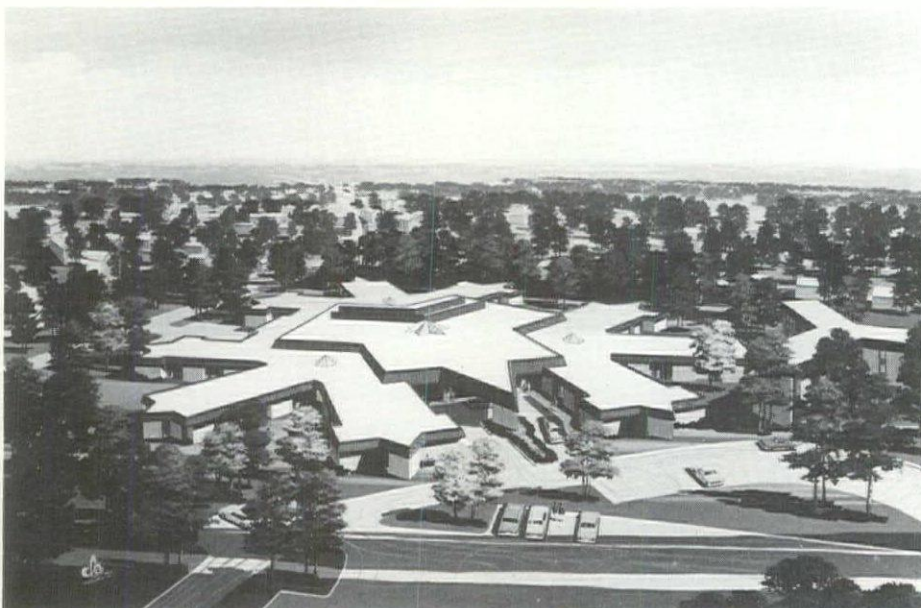
After many years of preparatory work, the building was scheduled to be started in 1978, with a completion date anticipated in 1980.

The building committee and the architect have visited many fine long-term care facilities on the East Coast to gain firsthand knowledge of the newest developments in this field.

## Site

The site is just under 10 acres and has some room for future expansion of the nursing facility. In addition, an area is set aside for other kinds of housing for the elderly. It is located between the new College Park Shopping Center and a residential area in Virginia Beach.

*(Continued on page 55)*





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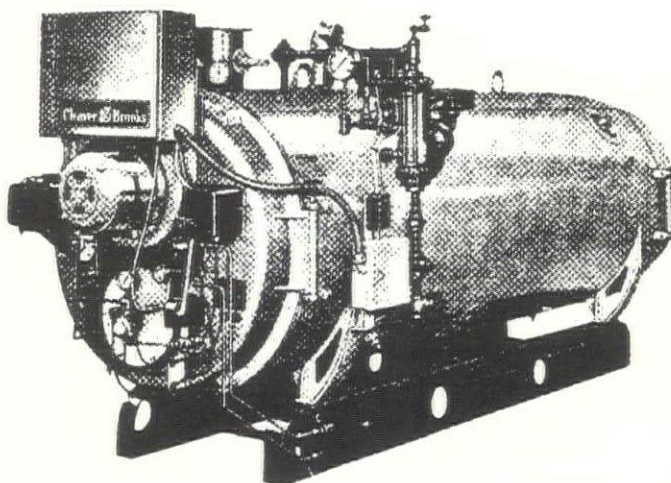
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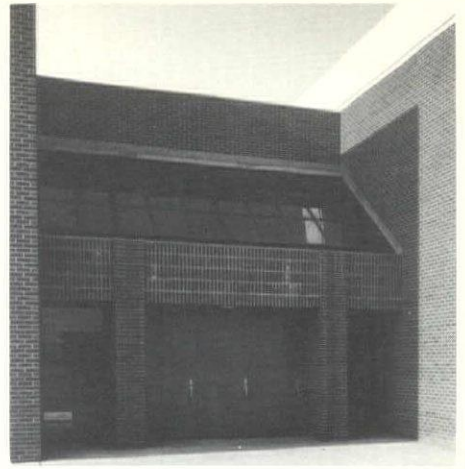
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# Maury High School Athletic Facilities

Norfolk

Oliver, Smith and Cooke, Ltd. — Architect



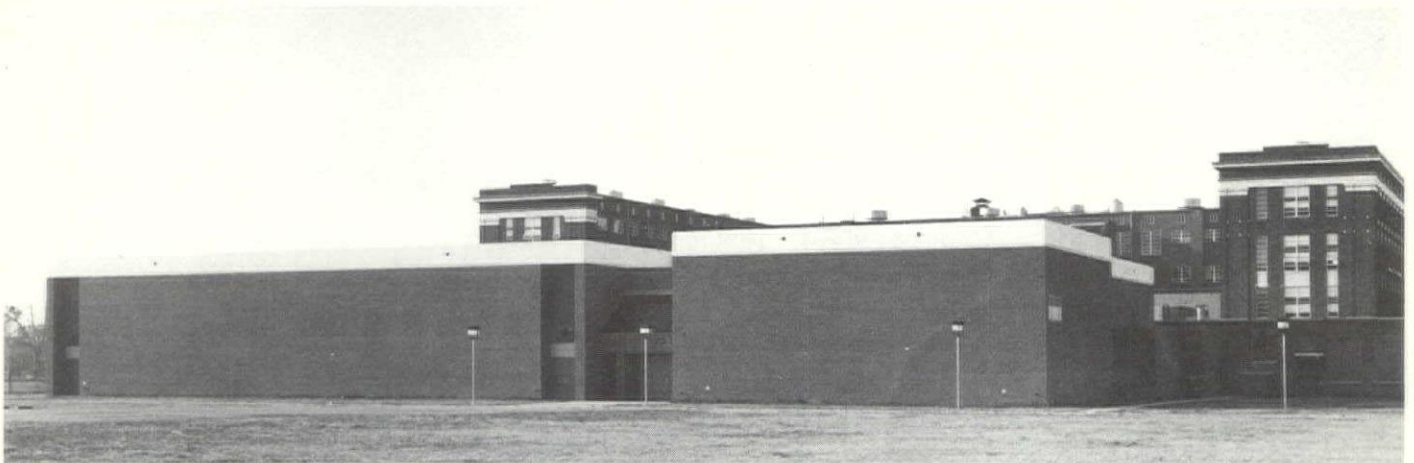
Structural Engineer, Abiouness, Cross & Bradshaw, Inc. • Mechanical Engineer, Chandler & Gibson • Electrical Engineer, Chandler & Gibson • Site Engineer, Baldwin and Gregg, Ltd. • General Contractor, W. B. Meredith, II, Inc. • Photography, Tamte Wilson Photography, Inc.

Standing near downtown Norfolk amid single family housing, apartments and small commercial areas, Maury High School was old, but still structurally viable. However, changing educational and recreational requirements made additional facilities necessary and the decision was made to construct new outdoor athletic fields and an indoor gymnasium and pool.

The resulting complex now helps to provide for the recreational needs of community and city organizations and provides facilities for physical education and varsity sports programs within the school system.

Covering a large part of the irregularly shaped 20-acre site are baseball, softball and football fields. As part of the overall sports program, soccer and rugby

*(Continued on page 56)*





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## Monterey Elementary School Additions

Roanoke

Sherertz, Franklin and Shaffner — Architect

---

Structural Engineer, Sherertz, Franklin and Shaffner  
• Mechanical Engineer, Sherertz, Franklin and Shaffner  
• Electrical Engineer, Sherertz, Franklin and Shaffner  
• Interior Design, SFS Interiors • General Contractor, O. M. Tomlinson, Inc. • Photography, Cave Spring Photographics.





The two additions to Monterey Elementary School, completed in September, 1978, are the physical implementation of the Roanoke City School Boards desire to provide an improved educational environment for their students and a facility available for expanded community use after normal school hours.

The program called for expansion of the existing satellite kitchen facilities to provide for full meal preparation on site, six new elementary classrooms, new administrative offices, a new library, a multi-purpose "Gymtorium" with stage/music room and the conversion of existing offices and library areas for use as new classrooms.

The main addition houses the major activity, instructional and administrative spaces with the gymtorium serving as a central activity space with the classrooms grouped as one adjoining wing and the office/library spaces grouped as another wing.

The exterior is of brick masonry with flat built-up roofs. The building massing and orientation were developed in sympathy with the existing structures and serve to focus both students and visitors to the new main entrance.

The interiors of the project have incorporated the use of bright colors and supergraphic treatments for visual interest and space orientation.

Q. M. Tomlinson, Inc. of Roanoke was the General Contractor and handled foundations, concrete work, steel erection, and carpentry.

Subcontractors & Suppliers  
(Roanoke firms unless noted)

Joe Bandy & Son, Inc., excavating; M. S. Ryan, sodding, seeding, etc.; Laurel Creek Nursery, Blacksburg, landscaping & landscaping contractor; S. R. Draper Paving Co., Inc., paving contractor; Valley Steel Corp., Salem, reinforcing; Concrete Ready Mixed Corp., concrete supplier; Thompson Masonry Contractor, Salem, masonry contractor; Lightweight Block Co., Inc. & Webster Brick Co., Inc., masonry suppliers; Structural Steel Co., Inc., steel supplier, miscellaneous metal & handrails; John W. Hancock, Jr., Inc., Salem, steel joists; South Roanoke Lumber Co., millwork & wood doors; Southside Manufacturing Co., Danville, cabinets; and I. N. McNeil Roofing & Sheet Metal Co., Inc., waterproofing, built-up roof & sheet metal.

Also, Hesse & Hurt, Inc., caulking & painting contractor; Binswanger Glass Co., Greensboro, N.C., glazing contractor; Lynchburg Overhead Door & Hardware Co., Lynchburg, metal doors & frames & hardware supplier; John H. Hampshire Corp., plaster contractor, gypsum board contractor, acoustical treatment & resilient tile; Christiansburg Tile & Carpet Center, Christiansburg, ceramic tile; De Hart Tile Co., Inc., Christiansburg, carpet; Dickerson-Trent, Inc., plumbing contractor; Bud Weaver Heating & Air Conditioning, heating/ventilating/air conditioning contractor; and M & M Contracting Electrical, electrical contractor.





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## FOR THE RECORD



### Barnes Named By HBAV

• Neal A. Barnes, a Petersburg contractor, was installed as president of the Home Builders Association of Virginia on December 5, 1978. The HBA of Virginia is a trade association with more than 3,200 members.

The ceremonies took place during the association's third annual Mid-Winter Conference held at Richmond Hyatt House, and was followed by a reception and banquet with Lt. Gov. Charles S. Robb as guest speaker.

Barnes, a self-employed contractor of 20 years experience, owns and operates the Neal A. Barnes Construction Co. He has been a member of Home Builders Association of Southside Virginia for the past 18 years, and twice served as president of that organization. He has served on the HBAV board of directors for 14 years, and has held office as secretary, treasurer, and vice president.

A native of North Carolina, Barnes is a graduate of N. C. State University, where he also taught for two years.

Others who took office with Barnes are Ted S. Schlossman of Virginia Beach, vice president; H. Jack Jennings, Jr., also of Virginia Beach, vice president - associate; Lloyd G. Flint, Jr. of Lynchburg, treasurer; Lamar M. Jolly of Williamsburg, secretary; and Roland Specter of Petersburg, national representative.

The three-day conference featured seminars on business development and real estate management. A ladies legislative workshop was offered following coffee at the governor's mansion with Mrs. John N. Dalton, Virginia's first lady.

### New Book Available From VDACS

• "Capacity Building Needs of Rural Areas in Virginia," a two-year, in-depth study of local planning needs and priorities, is now available in book form.

In 1977, Virginia Department of Agriculture and Consumer Services employees held personal interviews with 93 local officials and 344 community leaders in eight towns and counties to discern basic problems rural communities have when attempting to carry out federally-mandated planning projects. The interviews were held in the towns of Glade Spring, South Hill, Chatham and Woodstock, and the counties of Powhatan, Lancaster, Sussex and Buckingham.

Serious "communications gaps" exist between Virginia's rural areas and state and federal governments, the study showed. In every community surveyed water and sewer problems predominated. Leaders and officials also expressed the need for improving the quality of public works projects, education, housing, the administration of health and welfare programs, and general planning.

The book, "Capacity Building Needs of Rural Areas in Virginia," which details not only results, but methodology used in reaching recommendations, may be obtained from Irl W. Smith, Director of Rural Affairs, VDACS, P.O. Box 1163, Richmond, VA 23209, telephone: 804-786-4712.

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## Chesapeake Corporation Commended by EPA

• The Chesapeake Corporation of Virginia has been commended by Jack J. Schramm, administrator of the Environmental Protection Agency (EPA) regional office in Philadelphia, for its promptness in moving toward conversion from oil to coal in No. 8 boiler of the pulp and paper mill's power plant.

"It is not often that I take great pride in issuing an enforcement order to a company in Region III," Mr. Schramm wrote to Lawrence H. Camp, president of Chesapeake, in reference to what he called "the

nation's first Section 113(d) administrative order under the new Clean Air Act amendments."

"It is indeed gratifying for me to commend the Chesapeake Corporation's conscious attitude and willingness to burn coal, thereby helping the nation to solve its energy problems. The conversion of boiler number 8 to coal will result in a fuel savings of 545,000 barrels of oil per year.

"We believe that the Chesapeake Corporation will serve as an example to the rest of the country that we can go a long way toward solving our energy problems without sacrificing a clean and healthy environment," Mr. Schramm concluded.

The Chesapeake Corporation expects to convert to coal in No. 8 boiler by gradual stages. The firm began the burning of some coal the latter part of September. EPA's order, issued August 6, permits the company to burn the coal prior to installation of a precipitator which will bring the company into compliance with Virginia particulate emission rules not later than June 30, 1980. Virginia's air pollution authorities have approved the variance.



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## Maratea Photography Studio *(From page 19)*

visual presentation using up to 15 projectors. An interesting feature is the drop ceiling with cove lighting. The ceiling and walls are curved to give emphasis to the screen. As in the foyer the walls double as gallery spaces to display photography. The finish is 10% gray which, with the sophisticated lighting system, makes the photographs "jump out" at the viewer.

Two very important areas are, of course, the darkrooms and finishing room. They are scaled for custom work with suitable surface work areas and storage. The darkroom required light-tight air vents and doors. These areas have 100% exhaust and fresh air supply to remove the fumes from chemicals used in working with color photography.

The studio also includes an office and a kitchen for use in photography of food and for refrigerated film storage. A dressing room with shower is provided for models.

C. F. Hardy Building Corp. of Norfolk was general contractor and handled carpentry, roofing and plastering.

### Subcontractors & Suppliers (Norfolk firms unless noted)

M. M. Gunter & Son, Inc., Va. Beach, excavating; Ford Pile Foundations, Inc., Va. Beach, piling; Winn Nursery, Inc., landscaping; Ames & Webb, Inc., paving contractor; Oliver Jacobs Construction Corp., Chesapeake, concrete contractor; Hall-Hodges Co., Inc., reinforcing; Sadler Materials Corp., concrete supplier; Chesapeake Steel, Inc., steel supplier & miscellaneous metal; Shoffner Industries of Va., structural wood; and Colonial Insulation, Inc., wall insulation.

Also, Sheet Metal Specialty Co., Va. Beach, sheet metal; PPG Industries, Inc., glass & windows; Architectural Products of Va., Va. Beach, metal doors & frames & hardware supplier; Addington-Beaman Lumber Co., Inc., wood doors; Sherwin-Williams Co., resilient tile; Robert Martindale, Chesapeake, painting contractor; Byler Plumbing & Heating Co., Va. Beach, plumbing fixture supplier; Virginia Environmental Control, Inc., heating contractor; Electrical Suppliers, Inc., lighting fixture supplier; and J. B. Basnight, Chesapeake, electrical contractor.

## UVB of Roanoke, NA *(From page 20)*

Entry is through a vestibule which opens directly into the main lobby. Adjacent to the main lobby are the tellers' stations and the officers' platform. Five teller stations are provided with generous side and back counter work space. The drive-up window station is part of the back counter assembly. The officers' platform has desk provisions for a manager, new accounts officer and vault custodian. An ample vault, complete with handsome security door, adjoins the platform. The employee support areas consist of a lounge, coat room and toilets. Ceiling height in the banking areas is ten feet with a lowered portion over the tellers' area.

Exterior materials are brick and window wall. A four-foot overhang surrounds the building and supports a copper fascia system with a stucco soffit underneath.

The substructure is concrete and masonry. Above grade support is provided using a steel superstructure consisting of columns, beams and bar joists. Enclosure is accomplished with veneer masonry and aluminum window frames, glazed with clear glass. A built-up roof provides moisture protection. The facility is totally air conditioned.

The brick exterior is continued inside where it is complemented by vinyl wall coverings and natural wood paneling. Carpet is the dominant floor material

with resilient tile being used in support areas. A suspended acoustical tile ceiling is used throughout. Banking furniture, fixtures, doors, rails, and all exposed trim are finished in natural wood to match the wood accent wall treatment.

Days Construction Co., Inc. of Salem was general contractor.

### Subcontractors & Suppliers (Roanoke firms unless noted)

Thomas Brothers, Inc., Salem, excavating; Webster Brick Co., Inc., masonry supplier; Structural Steel Co., Inc., steel supplier/joists/roof deck & miscellaneous metal; South Roanoke Lumber Co., millwork; Leonard Smith Sheet Metal & Roofing, Inc., Salem, built-up roof, roof insulation & sheet metal; Marion Glass Co., Salem, glass & glazing contractor; and Skyline Paint & Hardware, metal doors & frames.

Also, A & H Contractors, Inc., acoustical treatment & resilient tile; Robertson Paint Co., Salem, painting contractor/supplier; Wade Manufacturing Co., Charlotte, N.C., wall covering; Dickerson-Trent, Inc., plumbing/heating/ventilating/air conditioning contractor; Viking Electrical Contractors, Inc., Salem, electrical contractor; Alabama Metal Products Co., Inc., Bessemer, Ala., range, countertop & steel wall cabinet; and Diebold, Inc., banking equipment.

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## RMA Garage (From page 41)

entrance, the lowest level protrudes to draw one into the driveway, at a setback continuous with the two-story building next door. The levels above recede behind it. The rest of the Franklin and 2nd Street frontage recedes at the lowest level, creating a more spacious feeling at the sidewalk. On the Grace Street frontage, however, this is reversed. Here, the entrance is closer to the corner and its lowest level pulled back. The other segment of this facade projects furthest at the bottom, in order to tie in with the buildings next door. On this street, the old townhouses are pulled back, with one-story store front additions extending out to the sidewalk. It is the combination of these contextual design features and an efficient floor plan which makes this project a success.

Bass Construction Co., Inc. of Richmond was general contractor and handled foundations, concrete work and carpentry.

### Subcontractors & Suppliers (Richmond firms unless noted)

E. G. Bowles Co., excavating & paving contractor; Dixie Steel Erectors, Inc., placing; Bowker & Roden, Inc., steel & wire mesh; Massey Concrete Corp., ready-mix concrete; Southern Brick Contractors, Inc., masonry contractor; General Shale Products Corp., masonry supplier; Va. Engineering Sales Co., steel supplier & miscellaneous metal; Browning Steel Co., handrails; N. W. Martin & Bros., Inc., waterproofing & built-up roof; and J. S. Archer Co., Inc., metal doors & frames.

Also, Pleasants Hardware, hardware supplier; Neogard Corp., Dallas, Texas, deck waterproofing; City-Wide Decorators, Inc., painting contractor/supplier (Benjamin Moore paint); Dover Corp., Elevator Div., Memphis, Tenn., elevators; Reames & Moyer, Inc., plumbing fixture supplier/contractor; J.H. Spaulding Co., Cincinnati, Ohio, lighting fixtures supplier; Central Electrical Service Corp., electrical equipment supplier & electrical contractor; Andco Industries Corp., Greensboro, N.C., ticket booth equipment; Cincinnati Time Recorder.

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## Beth Sholom Home (From page 44)

### Design Considerations

It was decided to build a single-story building and limit the number of residents at each nurses' station to 40. The corridors were to be made as short as possible with the nurses' station having ample room around it for organized activities as well as just sitting and "watching the traffic." The typical nursing home has very little activity space and the corridors near the nurses' station become sitting areas, obstructing the traffic. This layout puts the resident rooms on the perimeter and in turn makes the "core" almost windowless. This will be good for energy conservation but it was feared it might have an adverse effect on the staff and residents. For this reason, there will be skylights scattered around the building to bring in natural light. The majority of the bedrooms will be designed for single occupancy with private toilets. There will be 84 single rooms and 18 double occupancy rooms.

### Recreating the City

A small shopping arcade will be created next to the lobby to suggest "downtown," which will include a gift shop, clothing store, library, listening room, laundromat, canteen for vending machines and a combination beauty-barber shop. The nurses' stations will be developed as neighborhoods. The corridors will be named after local streets, providing the residents with a "street address" rather than just a room number.

The walls of the corridors leading to the resident rooms will be decorated with supergraphics suggesting building exteriors.

### Internal Orientation

There was a great concern for orientation of the residents and the staff within the building. The following steps will be taken to overcome this problem:

- Each neighborhood (nurses station) will have a different color scheme (orange, yellow and blue).
- The designated color will occur in the floor covering and wall decoration of the corridors leading to the neighborhood.
- Each corridor segment leading to resident rooms will have a different lighting pattern, different ceiling tile pattern and different color scheme.
- Each neighborhood will have different types of lighting fixtures creating markedly different atmosphere.

### Construction

- Structural system: masonry bearing walls and steel joist framed roof.
- Ceiling: suspended acoustical lay-in panels in various sizes and patterns.
- Interior partitions: steel studs and gypsum wallboard.
- Exterior walls: ribbed concrete masonry walls, synthetic stucco in-fill panels.
- Windows: casement wood with insulating glass.

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## Maury High School Athletic Facilities

(From page 47)

are played on the field during off football season. Parking for faculty and the student body has been provided, and a driver's training area with observation tower was also designed for a portion of the site.

A project total of 36,000 square feet of interior space includes 4,000 sq. ft. of alteration work, a lobby at the new outside entrance, public toilets, girls' and boys' locker rooms and showers, a gymnasium and swimming pool.

Both major interior spaces incorporate state-of-the-art concepts and materials in their design. Floor covering in the gym is a special  $\frac{1}{4}$ " thick continuous vinyl plastic material with a scuff-resistant polymeric coating applied to the surface, and sun-shading screen mesh was used at the high gym windows to prevent glare on the floor. In addition to the main

court layout for regulation basketball games, playing lines are provided for cross-court basketball practice and cross-court volleyball. Folding bleachers are utilized on both sides of the main court.

The enclosed swimming pool is lighted indirectly from the side walls to facilitate lamp replacement and to reduce the amount of reflection from the water surface. For competition swimming, NCAA- and AAU-approved starting platforms and racing lanes are provided. A special wave-reducing perimeter edge was also installed, consisting of cast stone coping, backed up by cast material with continuous slotted drain openings. This type of construction results in an almost immediate absorption of waves, and allows the water line to be even with the surrounding floor level. A further benefit of this system is the ease of pool entry by both the physically handicapped and small children. Elevated spectator seating for competitive events is provided behind a railing along the length of the pool.

W. B. Meredith, II, Inc. of Norfolk was general contractor.

### Subcontractors & Suppliers (Norfolk firms unless noted)

E. V. Williams Co., Inc., Va. Beach, site clearing, demolition, topsoil & seeding; Terminex Co., Inc., soil poisoning; Welch Pile Driving Corp., Va. Beach, piling; Oliver Septic Tank & Swimming Pools Co., Inc., site pipework; Birsch Construction Corp., paving; Hercules Fence Div., Aluminum Specialties Co., Inc., fencing; Economy Cast Stone Co., Richmond, precast architectural concrete; Concrete Structures, Inc., Richmond, precast structural concrete (double tees); W. T. Stowe, Inc., Portsmouth, masonry; Lynchburg Steel & Specialty Co., Monroe, structural & miscellaneous steel, steel joists & metal deck; Elliot & Co., Inc., millwork & wood doors; Eastern Roofing Corp., roofing & sheet metal & waterproofing; and K & P Construction Co., Portsmouth, caulking.

Also, Architectural Products of Va., Va. Beach, metal doors & frames; Walker & Laberge Co., Inc., metal windows, glass & glazing; Todd & Dixon, Newport News, plaster & stucco, drywall, acoustical ceilings; Pompei Tile Co., Hampton, resilient & composition flooring; J. H. Steen & Sons, Inc., Portsmouth, painting & special coating; Howard Marquart & Co., toilet partitions; Door Engineering Corp., roll-up & special door & toilet accessories; Andco Industries Corp., Greensboro, N.C., identifying devices; and Seaboard Paint & Supply Co., Inc., finish hardware.

Others were: R. L. Dresser, Inc., Raleigh, N.C., gymnasium floor; Taylor-Parker Co., Inc., lockers; J. L. Blanks Associates, Lynchburg, folding wall & bleacher seating; Warner Moore & Co., Inc., backstops & goals, padded wainscot; Virginia School Equipment Co., Inc., Richmond, scoreboard; Meredith Swimming Pool Enterprises, Va. Beach, swimming pool; Pittman Mechanical Contractors, Inc., plumbing, HVAC; and Charles W. Davis, electrical.

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## INDEX TO ADVERTISERS

-A-	
A & H Contractors, Inc.	12
Able Equipment Co., Inc.	54
Accent Ornamental Iron Co.	39
Acorn Construction Co., LTD.	53
American Mechanical, Inc.	45
Anderson & Cramer, Inc.	58
Anderson Sheet Metal Works, Inc.	53
Andrews Large & Whidden, Inc.	14
Andrews & Parrish Co.	51
Architectural Hardware, Inc.	50
Arlington Woodworking & Lumber	54
-B-	
Ballenger Corp.	50
M. P. Barden & Sons, Inc.	54
Binswanger Glass Co.	46
Stanley W. Bowles Corp.	57
Boxley Quarries	42
Brinkley-Ward Electric, Inc.	3
Bristol Steel & Iron Works, Inc.	6
Browning Steel Co.	39
Brownson Equipment Co., Inc.	12
Bryant-Durham Electric Co., Inc.	42
Buckingham-Virginia Slate Corp.	60
Byler Plumbing & Heating Co.	52
-C-	
The Walter E. Campbell Co., Inc.	22
Capital Masonry Corp.	56
Cedar Roofs of Richmond, Inc.	50
Central Virginia Dry Wall Specialist, Inc.	55
Century Concrete Services, Inc.	39
Chesapeake Masonry Corp.	42
City Wide Decorators, Inc.	57
G. L. Cline & Son, Inc.	52
Cochran Construction Co.	22
Ben Collier, Inc.	57
Colonial Electric Co.	54
Contractors Services, Inc.	45
Communications, Inc.	4
Costen Floors, Inc.	42
J. W. Creech, Inc.	8
-D-	
John W. Daniel & Co., Inc.	3
Danville Electric Co., Inc.	55
Danville Lumber & Mfg. Co.	22

J. Roland Dashiell & Sons, Inc.	57
G. C. Dawson Real Estate	56
Joe M. DeShazo Roofing Co.	12
Dover Elevator Co.	54
R. L. Dresser, Inc.	39
H. Driver & Co.	4
-E-	
Energy Control, Inc.	56
J. B. Eurell Co.	3
T. E. Evans & Son Construction Co.	12
Expert Fence Co.	52
-F-	
R. H. Feagans Co., Inc.	50
T. D. Fraley & Sons, Inc.	22
Franki Foundation Co.	8
Franklin Equipment Co.	54
Froehling & Robertson, Inc.	8
Fultz Lumber & Building Supply Co.	52
-G-	
Garber's of Richmond, Inc.	56
S. R. Gay & Co., Inc.	54
Glen Construction Co., Inc.	4
P. C. Goodloe & Son	54
Good's Transfer Co., Inc.	51
Gray Lumber Co.	6
Gregory Construction Co., Inc.	58
-H-	
H & S Plumbing & Heating	16
Hammer Sound, Inc.	21
Harris Heating & Plumbing Co., Inc.	57
Thomas Harris & Co.	50
C. F. Hardy Building Corp.	4
Haywood's Seafood	57
Joseph Heflin & Sons, Inc.	58
Heindl-Evans, Inc.	2
Heyward Construction Co., Inc.	45
R. W. Hill & Sons, Inc.	12
Humphrey Electric Co., Inc.	14
-J-	
JaBar Construction Co.	8
James River Building Supply Co.	56
-K-	
Silas S. Kea & Sons Co.	6
Kilmarnock Planing Mill, Inc.	55
-L-	
L & J Plumbing, Heating & A.C., Inc.	58
R. E. Lee & Son, Inc.	21
Liphart Steel Co., Inc.	45
Lone Star Industries, Inc.	39
Robert S. Lovelace Co., Inc.	57
Lowe's of Richmond	3

-M-	
Robert R. Marquis, Inc.	3
Frank B. McAllister, Inc.	8
Meredith Swimming Pool Enterprises	46
J. M. Murphy Co., Inc.	21
-N-	
W. Wallace Neale Co.	45
Newcomb Electric Service	45
-P-	
Park Avenue Flower Shop	42
Payne & Gunderson Lumber Co., Inc.	54
Plastic Craft Co.	21
Pleasants Hardware	59
Porter & Cole, Inc.	42
Power Equipment Co.	12
Powers Fence Co. of Roanoke, Inc.	56
Progressive Enterprises, Inc.	53
Progressive Tile	8
-Q-	
Quality Control Exterminating Co., Inc.	12
-R-	
W. J. Rapp Co., Inc.	22
Reames & Moyer, Inc.	51
Redford Brick Co., Inc.	58
Roanoke Iron & Bridge Works, Inc.	52
Rovi Electric, Inc.	57
-S-	
S D G, Incorporated	42
Sanford Brick Corp.	59
H. E. Satterwhite, Inc.	3
Bruce Scott Construction	56
Seaboard Paint & Supply Co.	54
J. E. Sears & Co., Inc.	51
Shoffner Industries of Virginia, Inc.	39
T. E. Shotton Refrigeration Co., Inc.	8
Leonard Smith Sheet Metal & Roofing, Inc.	45
Structural Accessories, Inc.	2
Structural Steel Co., Inc.	8
-T-	
Taylor & Parrish, Inc.	22
Thompson-Arthur Paving Co.	42
Thompson Masonry Contractor	57
Q. M. Tomlinson, Inc.	55
Triangle Electric Corp.	6
J. M. Turner & Co., Inc.	2
-U-	
Nick Ulisse Concrete Contractors	54
United Masonry, Inc. of Virginia	57
United Sprinkler Co., Inc.	50
-V-	
Valley Blox, Inc.	45
Virginia Roofing Corp.	55
Virginia Sprinkler Co., Inc.	39
-W-	
Wall to Wall, LTD.	14
Waterfront Lumber Co., Inc.	57
Watts & Breakell, Inc.	54
Wayne Construction Co., Inc.	12
Courtenay C. Welton	22
Williams Paving Co., Inc.	50
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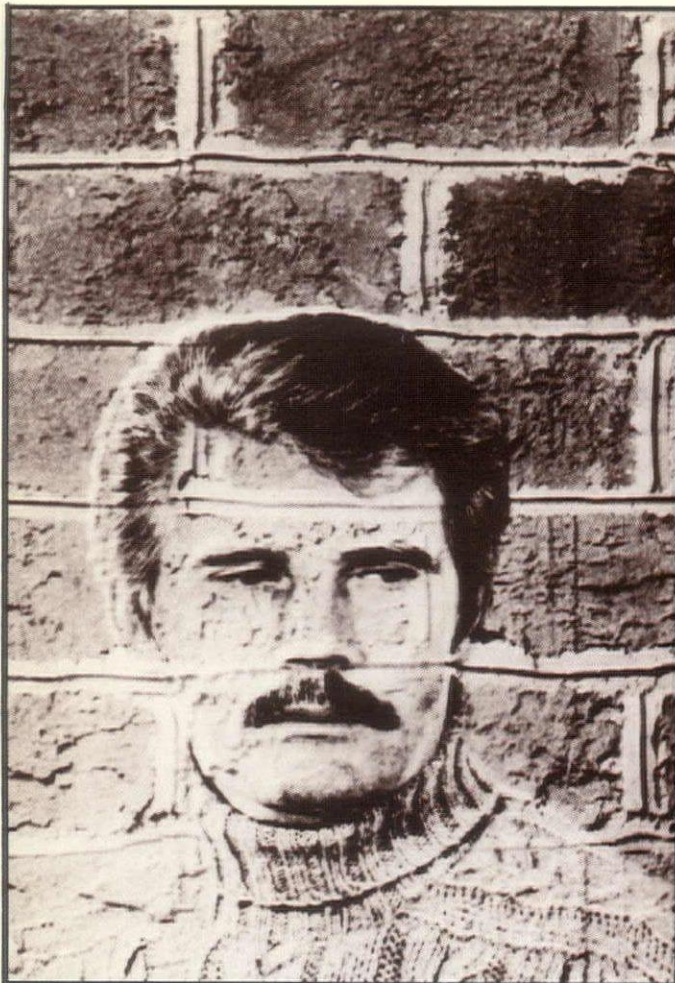
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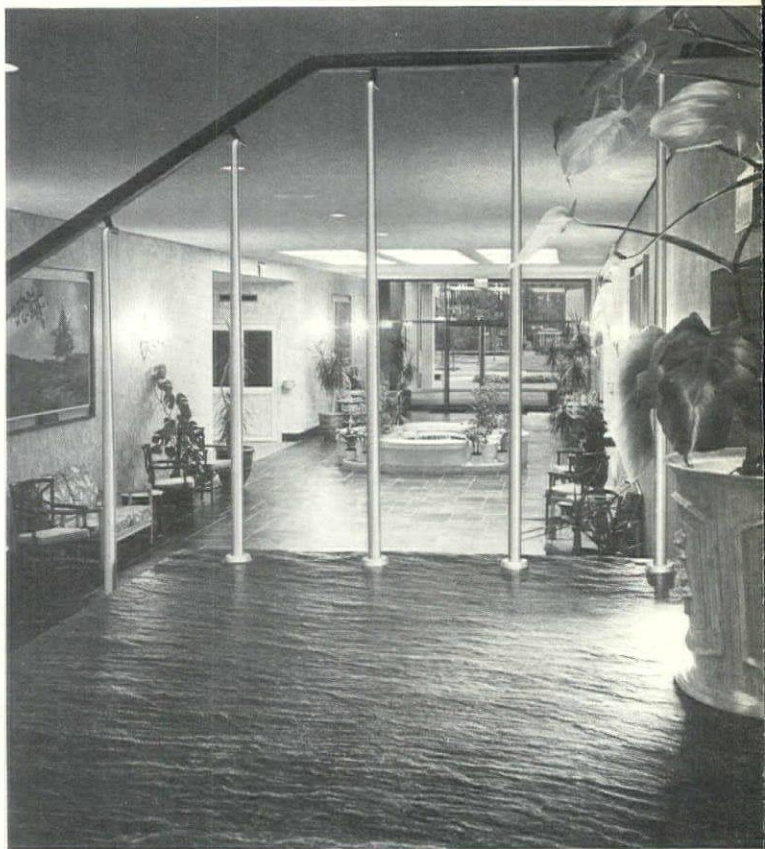


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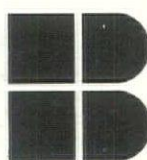
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(Above and right) Woody's Funeral Home, Parham Chapel, Richmond, Va.  
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