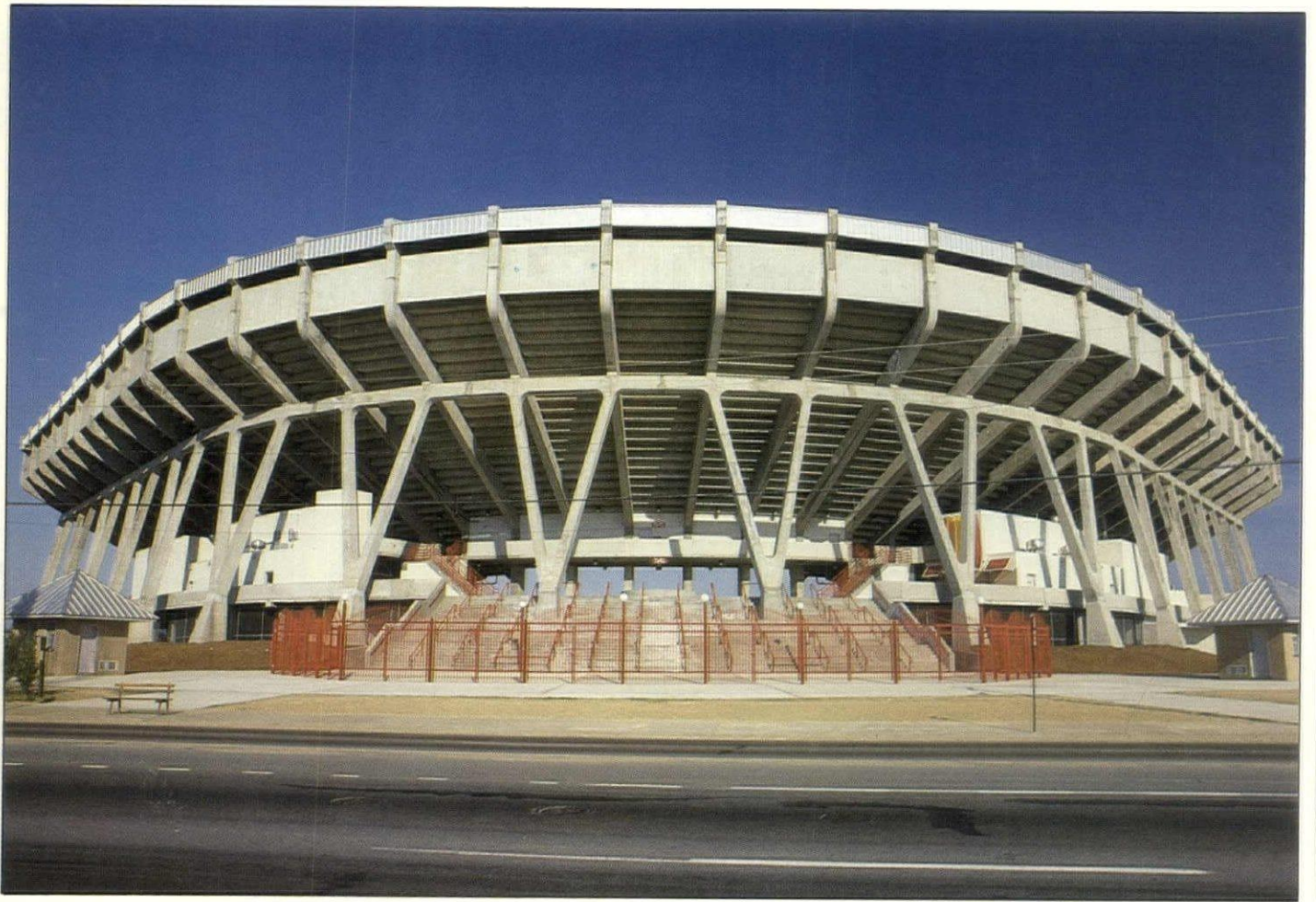


VIRGINIA RECORD

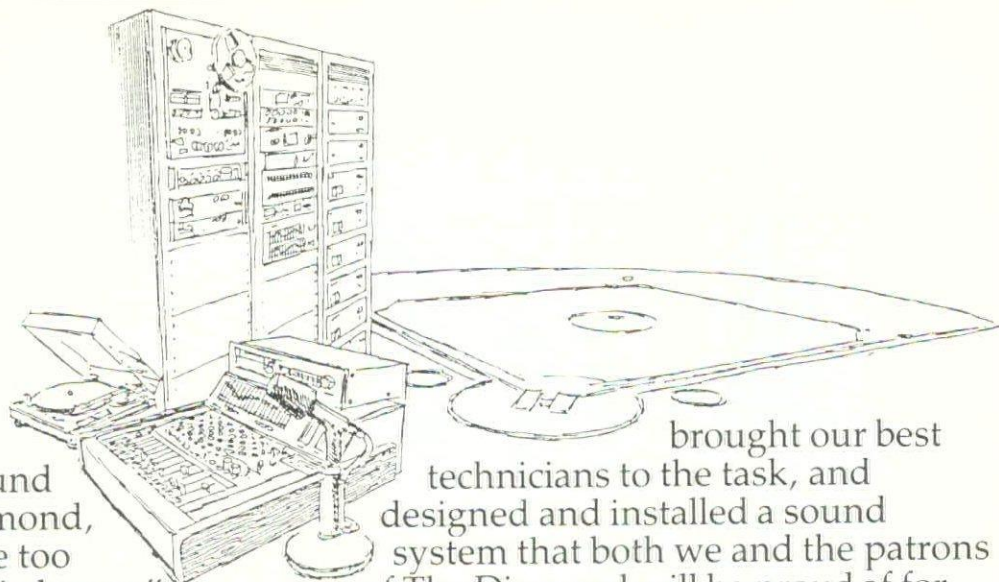
JOURNAL OF THE VIRGINIA SOCIETY OF THE AMERICAN INSTITUTE OF ARCHITECTS

SEPT./OCT. 1985



Lynn G. Hudson
Virginia Society, AIA
15 South Fifth St.
Richmond VA 23219

When we were asked to bid and were awarded the contract for the sound system at The Diamond, we realized that we too had entered the "big league". But we did the necessary research,



brought our best technicians to the task, and designed and installed a sound system that both we and the patrons of The Diamond will be proud of for years to come.

WE COVERED THE BASES!

Jarvis Sound Corporation

ENGINEERED SOUND FOR BUSINESS AND INDUSTRY

P.O. Box 8766 / Richmond, Virginia 23226 / 804-282-0962

**FEATURED PROJECT:
BURKWOOD RECREATION
ASSOCIATION CLUBHOUSE**

COMMERCIAL
INDUSTRIAL
RESIDENTIAL
RELIGIOUS
RECREATIONAL
PROJECTS

BROOKS & CO.
GENERAL CONTRACTORS, INC.

CONSULT US DURING YOUR DESIGN PHASE FOR ON-TARGET BUDGETING,
SCHEDULING AND CONSTRUCTION METHODOLOGIES

RT. 2
BOX 535-C
ASHLAND, VA 23005
804-798-4909

VIRGINIA RECORD

JOURNAL OF THE VIRGINIA SOCIETY OF THE AMERICAN INSTITUTE OF ARCHITECTS

SEPT./OCT. 1985

IN THIS ISSUE

- 10 Virginia Society AIA News
- 14 New Members
- 43 Travelers' Guide
- 53 For the Record
- 57 Index to Advertisers

AN INDEPENDENT PUBLICATION
FOUNDED 1878
TO TELL THE VIRGINIA STORY

Volume 107—Number 5

JOE H. YOUNG
Executive Editor

ANITA R. BRENNAN
Associate Editor

Published with the Cooperation
of the Virginia Society
American Institute of Architects

RICHARD L. FORD, JR., AIA
President

PUBLICATIONS COMMITTEE
CARLTON S. ABBOTT, FAIA, Chairman
Barbara DeGennaro, VSAIA Staff
Paul H. Barkley, AIA
William A. Briggs, AIA
Walter A. Brown, AIA
Howard J. Collins, AIA
Lawrence Cook, AIA
Jason Allen Dickerson
J. Everette Fauber III, AIA
Philip D. J. McCormick
John McGrann, AIA
Dede B. Nash
Kevin A. Panchision, AIA

SUBSCRIPTIONS
1 Yr. \$12.50 — 2 Yrs. \$23 — 3 Yrs. \$30
Per Copy \$3.50 plus tax and post.

Phones: 804-644-6717/2722

Address all Mail to:
VIRGINIA RECORD
P. O. Drawer 2-Y
Richmond, Virginia 23205

"VIRGINIA RECORD (ISSN-0042-6768) is published bi-monthly for \$12.50 per year by Virginia Publishers Wing, Inc., 301 East Franklin Street, Richmond, Virginia 23219. Second-class postage paid at Richmond, Virginia. POSTMASTER: Send address changes to VIRGINIA RECORD, P.O. Drawer 2-Y, Richmond, VA 23205."

ARTICLES

- 4 Architectonica—by Eason Cross, Jr., FAIA
- 6 Commentary—by Marvin J. Cantor, AIA
- 8 The New American Home: Making the Most of Every Square Inch—by Robert Brickhouse

CULTURAL AND RECREATIONAL FACILITIES

- | | |
|---|---|
| 16 THE DIAMOND
Baskervill & Son | 33 ANCHOR OF HOPE FAMILY CENTER,
HIGH STREET BAPTIST CHURCH
Frantz & Chappellear, Architects |
| 21 TUCKAWAY HARBOR DAY CARE CENTER
W. Canova Peterson, AIA | 35 MULTI-PURPOSE & CLASSROOM ADDITION—
GLEN LEA ELEMENTARY SCHOOL
Joseph Ladd & Associates, Architects |
| 24 CHILDREN'S FARM, MAYMONT PARK
SB Architect | 37 SMITH MOUNTAIN LAKE STATE PARK,
PHASE I—NATURE INTERPRETIVE CENTER
Frantz & Chappellear, Architects |
| 27 MULTI-USE CLUBHOUSE—BURKWOOD
RECREATION ASSOCIATION
Freeman & Morgan, P.C. | 39 EDDY DALTON CAMPGROUND—CENTRAL
VIRGINIA TRAINING CENTER
Michael J. Bednar, AIA |
| 31 ATHLETIC COMPLEX—
THE COLLEGIATE SCHOOLS
Carneal & Johnston, Architects &
Engineers, P.C. | 41 REST AREAS/INFORMATION CENTERS—
BLAND AND CARROLL COUNTIES
Carneal & Johnston, Architects &
Engineers, P.C. |

GENERAL PROJECTS

- | | |
|---|---|
| 44 THE RIDGE AT BRINNINGTON
Browne, Eichman, Dalgliesh &
Gilpin, P.C. | 49 CHURCH & READING ROOM FOR
FIRST CHURCH OF CHRIST SCIENTIST
McGaughan & Johnson, P.C. |
| 47 SANDWICH ISLANDS
The Design Collaborative | 51 CELEBRATION STATION
SWA Architects, Inc. |

COVER

On our cover is The Diamond, presented on page 16 of this issue by Baskervill & Son. (Cover photo by Don Eiler Custom Photography)

architectonica

'Fair Whether'

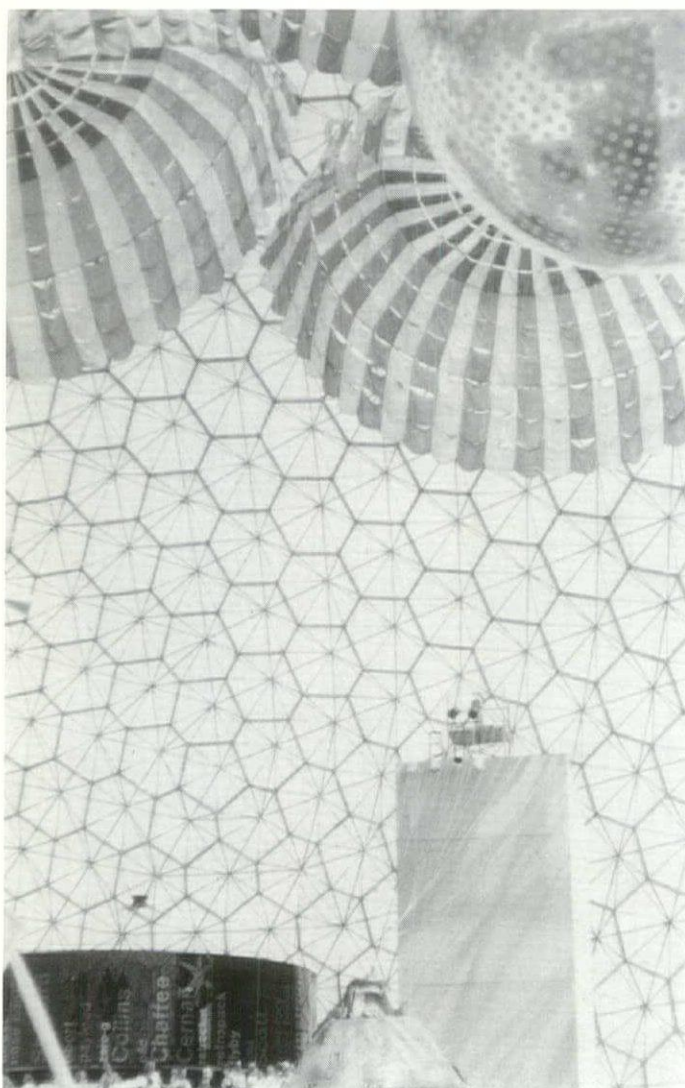
I am sitting at my daughter Amy's desk and in front of me is one of those little gilt Eiffel Towers, the kind which the Lavender Hill Mob made famous. This one is not by any means pure gold, but it recalls for Amy the nearly two years she spent in France; such is the value of mementos!

It also triggers for me thoughts of Exposition architecture, particularly those buildings which left trails of influence years beyond the end of the exposition which spawned them. There's a dry cleaning establishment in Arlington, Va. which still uses the Trylon and Perisphere of the '39 N.Y. Fair as its logo emblem.

And there's Bucky Fuller's geodesic dome, which leaped from obscure intellectual campus to the commonplace after being used as the USA Pavilion at the '67 Fair in Montreal. Though stretching a definition, Sally Rand's Chicago '31 Exposition display of curvilinear architecture launched a generation of creative ecadysiasts. The Spanish Pavilion at the '64 N.Y.



Norman Bel Geddes and Albert Kahn's "FUTURAMA," where "visitors tour a vast miniature cross section of America as it may conceivably appear 20 years from now." 1939 N.Y. Fair Guidebook.



Bucky Fuller and Cambridge 7 team up to produce an exposition masterpiece. Montreal 1967.

Fair initiated a new dramatic ceiling lighting system now most often seen in elevator cabs. The 1893 Chicago World's Fair re-wrote the national architectural taste for a generation following, but gave the architectural historians Louis Sullivan's Transportation Building, that wonderful thematic Phoenix which made the following generation forget Renaissance Revival in turn.

The USA Pavilion at Tokyo gave air-supported buildings a big boost. The Munich Olympics and the German Pavilion at Montreal showcased tension buildings for all the world to experience. The Knoxville mini-fair reinforced this country's interest in solar energy. It's too early for the impact of New Orleans to be assessed, but I feel that it was a timely opportunity for many architects to adopt a show-business Mardi Gras approach to color and decoration.

If the truth be known, we architects just LOVE to go to world's fairs, because they are the sure-fire places to turn on one's pure creative urges. One need not be encumbered by the need for permanence, or contextual good neighborliness, or the influences of public taste, or the taste of Officialdom. One just pushes the Joy, Whimsy, and Sho-biz buttons and Zap!—out pops architecture built for fun. And a short happy life.

For most of the buildings at world's fairs and expositions are too jazzy for everyday fare. One would get awfully tired of Show Boat architecture on Main Street day after day. Repeated showings demand subtlety rather than sledge hammers. Architecture with which we live should be different from that which we go visit. Visitor architecture is what expositions are all about.

And therein lies my point: Too many Post-Modern buildings are gaudy quick study objects, designed not so much to live with over time as to make a punchy page in a magazine. Or if they were in their right context in an exposition, to titillate and delight the one-time viewer, rather than he who passes by twice a day 250 times a year. I would rather go back time and again to see the buildings at Williamsburg than to make a repeat visit to Busch Gardens . . . for the purpose of looking at buildings, mind you. The rides' area is a different cat!

I have my favorites from among the Fair buildings I've seen, and each one seems to reach me in a different way. The IBM building at the '64 N.Y. Fair was, if you recall, a huge egg-shape on the exterior textured with repeated "IBMs," inside which, from a rolling grandstand, one viewed 20 fast-moving slide shows shown concurrently. The announcer descended from the overhead strapped to an upside-down periscope hoist in perilous nonchalance!

I saw the Finnish Pavilion as a boy at the '39 Fair, and it made a lasting impression, as I still remember the wood-surfaced curving interior as



Had not Eiffel expressed its stresses so gracefully, it would have been dismantled the year after. Paris 1889.

something pleasing and novel. I liked the Venezuelan Pavilion at Montreal because it did so much with so little—three huge cubes of different colors, juxtaposed in tight composition. The Cambridge Seven displaywork at Montreal, together with the technological virtuoso motorized sunshades in the geodesic dome panels made a big splash in my memory.

But of all the buildings at five fairs, the *sine qua non*, for me, was the General Motors "Futurama" at the '39 fair. Albert Kahn and Norman Bel Geddes were responsible for the construction of a believable model panorama of the future, a physical utopia which was so large as to make one forget that there was a building surrounding, and that one was in a moving chair rather than on a magic carpet winging over reality. I believe that the Futurama was one of those self-fulfilling prophecies we hear about. Many designers who experienced that world in miniature carried about with them in an unconscious portfolio the makings of real buildings built after 1946.

There are other memorable and influential buildings which first saw the light of day in an Exposition context. Mies' Barcelona Pavilion is so well known that few realize that it was temporary! George and Fred Keck's little-known but highly influential Solar House. The Crystal Palace from London in 1851. Eiffel's Iron Monster which lives a century after it was supposed to be demolished. The Palace of Fine Arts by Bernard Maybeck in San Francisco is so unique as to have been reconstituted into the city's showpiece from a decrepit ruin.

Would any of the foregoing delights have been built in a context other than some Exposition, where they were adjunct to a larger economic or patriotic purpose? Probably not!

Eason Cross, Jr., FAIA

Sysgen

**Technology That Empowers
Cost-Effective
Quality Based
Computer Solutions**

What We Do:

- Turnkey microcomputer based systems specifically oriented towards the needs of The A-E-C Community
- Installation and set up at your facility
- Training in your office
- Classes designed specifically to meet the needs of your staff
- Software development to fit your needs
- Consulting to help you plan
- Networking of the most popular systems

We Work With:

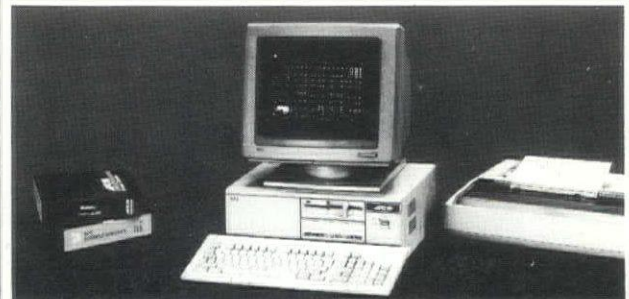
- The top hardware manufacturers
- The top software manufacturers

We Specialize In:

- Computer Aided Design
- Accounting/Job Costing
- Project Scheduling

Sysgen Nec and Me

**Sysgen, Inc.
103 Stratford Place
Stafford, Virginia 22554
(703) 281-5388**



<< COMMENTARY >>

by Marvin J. Cantor, AIA

What Do Cultural and Recreational Facilities Have in Common In Meeting Financial Goals?

In my non-economist's view, an attendance of five thousand people at possibly eight to ten dollars apiece, once a week at a sports arena, to watch ten you men play basketball for several hours, would appear to be a comfortable income for someone. Right? . . . WRONG!! In a ten or twenty thousand seat arena, five thousand is a one way street to economic failure. And so is a fifty thousand attendance in a seventy-five thousand seat stadium, or eighty thousand in a hundred thousand seat coliseum.

When a play opens in a two thousand seat theater and it attracts only a thousand to fifteen

hundred each evening, it's a sure sign of an early closing.

The similarities seem to evidence themselves. A cultural or recreational facility must be 75% or more occupied for an attraction to become economically viable. Somehow it just doesn't seem cricket to think of all the blood, sweat and tears that go into a theatrical production and then have it seen by hundreds, maybe even thousands every night, only to see it fail (economically that is) because it missed house capacity audiences by five or ten percent. Something is wrong with the pro forma balance sheets, which can only show prospective investors a profit if

audiences are always at near capacity. No safety factor of half-filled or even quarter-filled houses are the result. As a consequence, theater productions (or athletic events) must either be super hits or utter failures with no in-betweens!

The architect cannot do anything about super star salaries or abnormally high union demands or inflationary material costs—but maybe the architect can design a facility whose structural and financial carrying costs will not contribute to this economic conundrum. And if activities can succeed in half and quarter empty houses, more and diverse productions will take place, and both those making the productions and those watching them, will be better off!

Glidewell Bros. INC.

REGIONAL OFFICE
P.O. BOX 21787
BALTIMORE, MD 21222
(301) 237-0128

Established in 1946
CONTRACTORS

Industrial—Commercial

REGIONAL OFFICE
P.O. BOX 25541
TAMPA, FL 33622
(813) 799-6293

GENERAL OFFICES

700 DINWIDDIE AVE. • P.O. BOX 24369 • RICHMOND, VA 23224 • (804) 232-8974

Painting
Drywall
Acoustical Tile



Sandblasting
Fireproofing
Chemical Coatings

*Painting Contractor
For The Diamond and The Collegiate Schools Athletic Complex*

Let us put our Management Capabilities to work for you. Our offices in Virginia, Maryland and Florida offer the Experience you need, for your Industrial and Commercial projects.

When It Comes To
Building With Stone, Only
One Company In Virginia
Offers A Complete Line
Of Products:

Slate
Marble
Limestone
Sandstone
Granite

And A Complete Line
Of Services:

Consultation
Plan Review
Material Selection
Specifications
Cost Estimating

LUCK*
STONE
Corporation

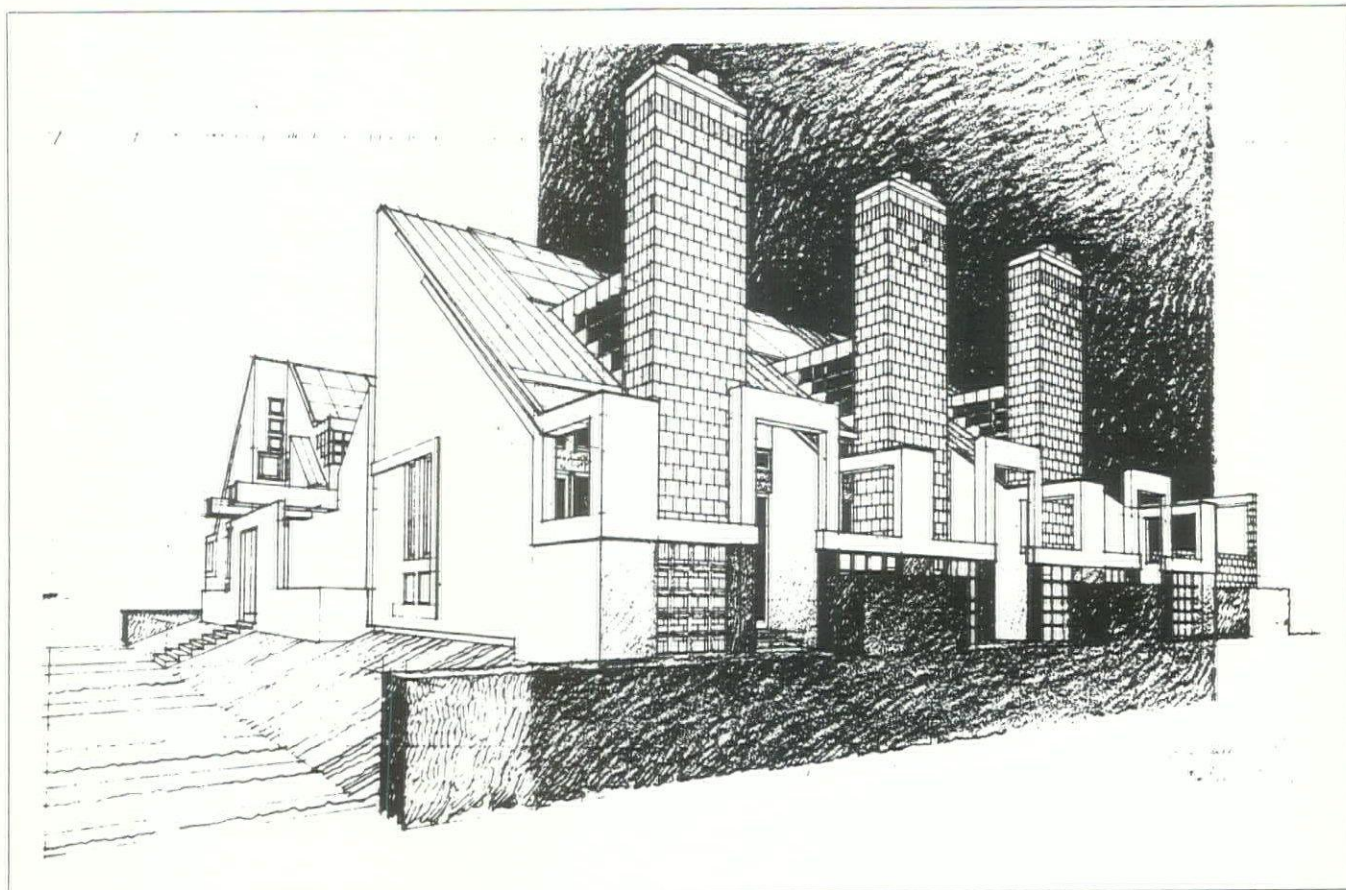
Architects, Designers, Builders, Contractors & Masons please call collect: Richmond, Va. (804) 784-3383/Charlottesville, Va. (804) 295-9227/
Northern Va. (703) 435-1400/Newport News, Va. (804) 874-4455/Norfolk, Va. (804) 625-1472. Home Office: P.O. Box 29682, Richmond, Va. 23229

The New American House:

Making the Most of Every Square Inch

By Robert Brickhouse

This article is reprinted with permission from the University of Virginia Alumni News



It has a kitchen, a dining area, a living room, two fireplaces, two bedrooms, an upstairs lounge, a separate office, two bathrooms, a washer-dryer, a skylight, solar heat and a private garden. And all within 1,000 square feet, or less than half the size of the average home.

Welcome to "the new American house."

Because of high construction costs, smaller families and the need to conserve energy, urban houses of the future will be more compact than today's, and "every square inch will have to be important," says Carlo Pelliccia, a University of Virginia architecture professor who created one of three winning projects among 346 entries in an international competition for designing "A New American House." In Mr. Pelliccia's design, six houses are grouped together on a conventional city lot that would normally hold only one or two houses.

The competition, sponsored by the Minneapolis College of Art and Design and the National

Endowment for the Arts, stressed the importance of integrating the homeowner's place of residence and place of work because of the growing number of people who use their homes as offices or studios. The competition called for the design of "a small, efficient dwelling unit" that could function as both residence and workplace, all within a 1,000-square-foot area.

The units also take into account today's smaller American families and such increasingly common living arrangements as a single parent and child or two unrelated people, said Mr. Pelliccia, a native of Rome who holds a doctorate in architecture from the University of Rome. An artist as well as an architect, he has taught at U.Va. since 1963 and was chairman of the architecture school's division of architecture from 1967 to 1977.

"With the Industrial Revolution and the birth of the modern city, human activities became compartmentalized and the city fragmented," Mr. Pelliccia said. But his New American House

design, he added, is similar in spirit to a medieval town, "where one works where he or she lives, with family or friends."

The six houses in his design are meant to be "a small community," and they have their own pedestrian streets. The houses are surrounded by walls and gardens.

An entire city block, holding several such lots, could be designed to leave the corners free for a variety of urban uses such as shops or small public gardens, Mr. Pelliccia said.

In his design, which was exhibited in Minneapolis along with the other winning projects last fall, the dwellings are linked to the separate office-studio by a private enclosed bridge, so that the workplaces are not actually in the residence.

The narrow streets protect against inclement weather, yet "at the same time allow for com-



Carlo Pelliccia

merce and encourage human exchange, relationships, friendships."

Mr. Pelliccia's project also includes a communal garden, with a roof terrace, and a communal garage.

A massive fireplace is in each living area and a smaller one is in a lounge shared by two upstairs bedrooms. The office-studio space is large enough to accommodate two offices and could also be linked and shared with other workplaces in the community. The proposed building materials for his house are woodframing, concrete block, stucco and metal roofing.

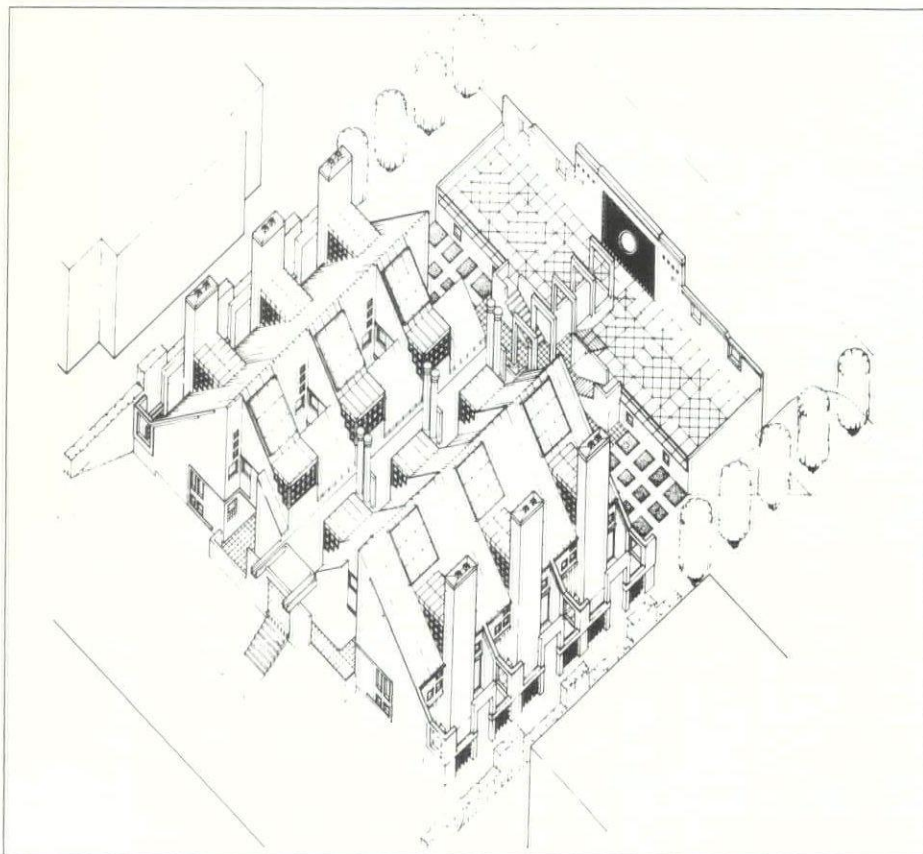
The scheme also provides for the installation of solar panels on a steeply sloping roof.

The overall design could easily be varied according to individual needs, Mr. Pelliccia said. For example, the fireplace, designed for northern climates, could be eliminated in a warmer setting.

To accommodate many needs within such a small area, Mr. Pelliccia has made use of all available space by, for instance, placing the refrigerator under stairs, squeezing a bathroom onto the bridge to the office and positioning the washer-dryer adjacent to the office so that laundry may be done while a person works.

"The new American house is going to have to be compact," Mr. Pelliccia said. "To meet the needs of the new American family, it will have to be small, affordable and energy efficient.

"It doesn't have to be oppressive. It can be a pleasant place to live. But it will have to be carefully designed so as to feel bigger than it actually is."



In Mr. Pelliccia's Design, six houses are grouped on a lot that would normally hold only one or two houses.

What's the difference between a roof window and a skylight?



Model TPS top-hung roof window



Model VS ventilating skylight

The difference is straightforward. A roof window opens and pivots so both glass surfaces can be cleaned from inside. A skylight does not pivot for cleaning. Of course, there is a difference in quality and value among manufacturers. But, a simple comparison of features, quality and price will show you why VELUX, with 44 years of experience and craftsmanship, is the world leader.

In addition to our four distinctive models, VELUX provides precision-engineered prefabricated flashings to make installation easy and weathertight. We also offer quick delivery and a full range of optional accessories and glazings.

Find out more, write for our free 24-page full-color brochure, "The Complete Guide to Roof Windows and Skylights."

VELUX

The world leader in roof windows and skylights.



VR985
FREE 24-page full-color brochure.

Mail this coupon. We'll send you a free copy of this brochure and a price list within 24 hours.

Name

Address

City State Zip

VELUX-AMERICA INC.
2200 Cabot Blvd. W.
Bucks County Business Park
Langhorne, PA 19047

VIRGINIA SOCIETY AIA NEWS

CHAPTER NEWS

Tidewater Virginia Chapter Presents Three Honor Awards

The Tidewater Virginia Chapter of the American Institute of Architects held its Honor Awards Banquet on June 26, 1985 at the Holiday Inn Executive Center in Virginia Beach. Three awards, two to local architects and one to a private citizen, were presented as follows:

- Walter R. Nexsen, AIA, for Outstanding Service to the Profession
- Clarence W. Meakin, AIA(E), for Outstanding Public Service by an Architect
- Henry Clay Hofheimer, II, for Outstanding Public Service by a Non-Architect

Nominations were made from the general membership to the Honor Awards Committee Chairman, Michel C. Ashe, AIA. Other members of the committee were: Henry V. Shriver, AIA; Sol William Cohen, AIA; and Edward R. Roehm, AIA, President of the Tidewater Virginia Chapter.

Fine Craftsmanship Honored

The Northern Virginia Chapter of The American Institute of Architects recently honored those craftsmen whose excellent workmanship helped make a particular architectural project all that the architect hoped it would be.

Kerns Group Architects, P.C., of Washington, D.C., nominated TED BONAR and LARRY KANTER of NEON PROJECTS, Washington, D.C., for their outstanding neon signage work on two projects—3624 Prospect Street and Sentiments at Mazza Gallerie. The architects commented that the Mazza Gallerie store was only completed after they were firmly told by others that there was no way it could be done!

VVKR Incorporated of Alexandria selected JOHN WIAN, Cabinetmaker and four apprentices from TOTALLY CUSTOM, INC. of Mt. Rainier, MD. BRAD WILLIS accepted his award along with those for WILLIAM ARSNOW, JOE SIMPSON and TAMMY STORY. Their outstanding workmanship on the reception desk at The American Trucking Associations Headquarters building in Alexandria, which incorporates communication and security systems as well as the building's main

directory, was delivered with key material suggestions which reduced the cost of the unit by one-third.

RICHARD C. ADAMS OF BEER PRECAST CONCRETE, LTD. of Ontario, Canada, was chosen by VVKR Incorporated for his work as Project Manager for the precast concrete work on The American Trucking Association's Headquarters, which exhibited outstanding quality control of material, consistency of product, color and texture, accuracy of detailing and excellent coordination effort and adherence to construction documents.

VVKR Incorporated also nominated ERNEST GASSER, Masonry Foreman of CAPITAL MASONRY of Richmond, for the outstanding craftsmanship on both the exterior and interior brick and concrete block work on the Virginia Commonwealth University Student Commons building in Richmond.

Lawrence Cook Associates of Falls Church named ROBERT DAVIS, Finish Carpenter, for work done for Cook Construction Management which produced the superb finish carpentry on a surgical suite for Dr. Csaba Magassy of Chevy Chase, MD. Mr. Davis performed in an outstanding manner, directing a team of 26 carpenters in two shifts a day, under difficult site conditions and an extremely tight time schedule.

Goldfarb Featured At Smithsonian

Joanne J. Goldfarb, AIA, principal in the Alexandria firm, Design Plus, Inc., a former Virginia Society, AIA, director and currently secretary of the Northern Virginia Chapter, AIA, recently conducted a lecture series on architecture for the Smithsonian Institution in Washington, D.C. The four-part series titled "Principles of Architectural Design" was given under the auspices of the Smithsonian Resident Associate Program.

Individual lectures discussed "Theories of Architectural Design," "Looking at Buildings," "Buildings were Better Built in the Old Days—True or False?" and "Architecture and Social Values."



Martin Bros. Contractors, Inc.
General Contractors
2213 Patterson Ave., S.W., ROANOKE, VIRGINIA



LET JOHNSON IRRIGATION CORP.

complete your professional landscaping with an
underground lawn sprinkler system

810 RESEARCH ROAD
RICHMOND, VA. 23236
(804) 794-4218

ROANOKE-LYNCHBURG
AREA CALL
(703) 345-0238

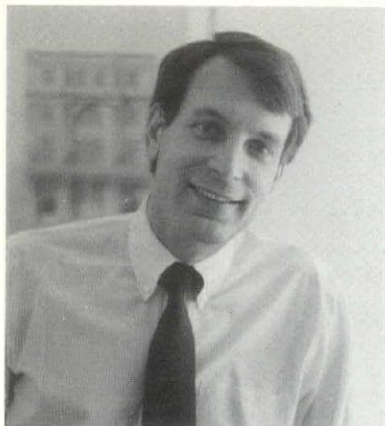
DESIGNS INSTALLATIONS SERVICE SALES

BALDWIN & GREGG LTD.
ENGINEERS • SURVEYORS • PLANNERS

- Traffic Engineering: Signalization
- Stormwater Management
- Water and Wastewater Systems
- Industrial Park Planning
- Highway and Airport Design
- Grant Application Management

Norfolk • Richmond • Washington D.C.

NEW FIRMS



Joseph Dye Lahendro, AIA

Lahendro Establishes Firm in Richmond

Joseph Dye Lahendro has announced the establishment of his own architectural firm, located at St. Albans Hall, Suite 309, 300 E. Main St., Richmond, Va. 23219. Mr. Lahendro has previously served as a project architect with Marcellus Wright, Cox and Smith, SWA Architects, and SB Architect. In addition to his extensive experience in new work, Mr. Lahendro has developed a specialization in historic preservation and adaptive reuse. He was architectural conservator with the Association for the Preservation of Virginia Antiquities and has received a Masters in Architectural History from the University of Virginia. While with Marcellus Wright

Cox and Smith, Mr. Lahendro performed the historic paint analysis and paint restoration supervision for the old Loew's Theater (now the Carpenter Center) in Richmond. He is a member of the Virginia Society's Historic Architecture Committee. Mr. Lahendro received his Bachelor of Architecture degree from Virginia Polytechnic Institute and State University.

Work presently being performed by Joseph Dye Lahendro, Architect includes the restoration of Abingdon Episcopal Church in Gloucester County, a c.1775 cross plan Colonial church. The City of Petersburg also recently selected the firm to convert the historic McIlwaine House into a house-museum, and the city's information center.

PERSONNEL AND OFFICE ACTIVITIES

Staff Additions at Evans Hudson Vlattas

Michael Bauer and Michael Beaver have joined the staff of Evans Hudson Vlattas Architects, Inc.

Mr. Bauer is a 1985 graduate of Washington State University, College of Engineering and Architecture in Pullman, Washington. He was listed on the President's Honor Roll at the completion of this thesis project—a Mortuary in San Diego, California.

Evans Hudson Vlattas Architects, Inc. was chosen by Bauer because, "having worked here previously during summer break, I was impressed with the firm's commitment of trying to attain excellence in every aspect of the architectural profession."

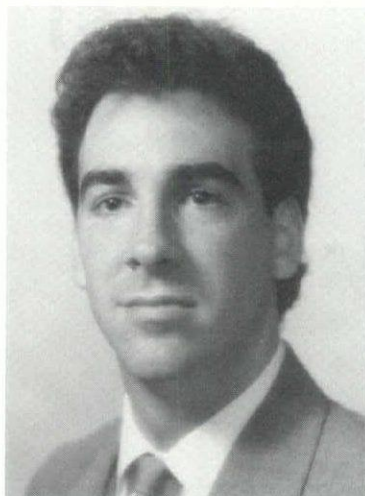
Bauer is a Hampton resident and is the son of Lt. Col. Joseph L. and Harriet E. Bauer. He is currently involved with the design of the proposed expansion of Hilltop Shopping Center, Virginia Beach.

Mr. Beaver has joined the firm as a Computer Aided Design and Drafting Technician.

A native of Aloha, Oregon, now residing in Norfolk, Beaver is a graduate of the National Education Center, Phoenix, Arizona.

He is responsible for operating the firm's Hewlett-Packard CADD System, and is currently involved in the production of construction documents on several projects for the U.S. Navy in Guantanamo Bay, Cuba.

Evans Hudson Vlattas Architects, Inc. completes construction drawings on their computer system on all projects, according to Beaver, which "places me, the rest of the staff and the firm at the leading edge of architectural technology."



Michael Bauer



Michael Beaver

McClure Lumber & Builders Supply Co., Inc.

Phones 703-835-8611 — 703-835-8612

For Ready Mix Concrete Call Us at
McClure, Va. — 703-835-8216

LEBANON-GRUNDY-RICHLANDS-TAZEWEEL-McCLURE-CLINTWOOD & HONAKER, VA.

FLOWERS School Equipment Co., Inc.

We Install Chairs by IRWIN SEATING CO.

P.O. Box 29428

Telephone 804-784-3523

Richmond, Va. 23229

We Install IRWIN Auditorium Chairs, EMCO Folding Partitions,
INTERKAL Bleachers and SHELDON Science Caseworks

De Stefano to Head Firm's Richmond Office

Robert E. Washington, Chairman of Washington Associates, Inc., Norfolk, has announced the addition of Frank De Stefano, AIA as Office Manager of the architectural firm's Richmond office.

De Stefano comes to Washington Associates with more than 20 years experience and was the former President of the North Carolina architectural firm of Architecture, Inc. His responsibilities in the Richmond office will include overseeing all operations and maintaining client contacts.

A graduate in architecture from Kansas State University, De Stefano is a member of the American Institute of Architects, the Construction Specifications Institute, the Homebuilders Association and the American Public Works Association. He also served as President and a member of the Board of Directors for the North Carolina

Chapter of the AIA. He is certified by the National Council of Architectural Registration Boards.

Active in community organizations, De Stefano is a member of the United Fund, Rotary, and Boy Scouts of America. He and his wife, Jean, and four children live in Chesterfield County.

Washington Associates, Inc. employs 40 people, was founded in 1970 and currently maintains offices in Norfolk and Richmond. The Norfolk office is located in the Financial District on West York Street and the Richmond office is in the Heritage Building on Main Street.

Office Relocation

The firm of HTB, Inc., Architects-Engineers-Planners has announced the relocation of its Washington office to: 545 National Press Building, Washington, DC 20045. Their phone number remains (202) 628-2957.

HSMR Relocates Tidewater Office

Hayes, Seay, Mattern and Mattern, Architects-Engineers-Planners, relocated its Tidewater regional office into a new Virginia Beach office building in August.

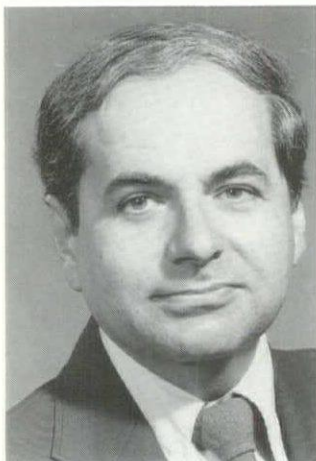
Regional Manager, William G. Porter, said the decision to move from their 12 year location in Pembroke Office Park is due to a sustained increase in business and the need to accommodate additional staff requirements.

The design firm presently has offices in Roanoke, Virginia; Rockville, Maryland; Greensboro, North Carolina; Mobile, Alabama; Charleston, South Carolina; Guayaquil, Ecuador; and Virginia Beach, Virginia.

Hayes, Seay, Mattern and Mattern will occupy most of the third floor in the new office building at 4705 Columbus Loop in "downtown" Virginia Beach.

SCHOOLS OF ARCHITECTURE

Virginia Tech News



Babar K. Mumtaz

Mumtaz Named Director of Center For International Development

Babar K. Mumtaz, deputy director of the Development Planning Unit at University College in London, has been named director of the Center for International Development Planning and

Building in Virginia Tech's College of Architecture and Urban Studies (CAUS).

Mumtaz also fills the Title XII Chair for Development Planning and will be involved in various projects with the World Bank and the Agency for International Development.

An architect-planner and development economist, Mumtaz has spent the past 15 years in development work and in training personnel in housing and urban planning. He is currently engaged in an on-going program funded by the World Bank to train Sri Lankans in the implementation of their "Million Houses Program."

His work experience includes advising South Sudan and Pakistan on housing policy and the Royal Scientific Society of Jordan on low-cost housing research. He has also been a consultant to various branches of the United Nations, advising on refugee housing and settlements in the Sudan, Somalia and Zaire and on the training of planners for Indonesia.

Mumtaz, who holds degrees in architecture and development economics, is the author of several publications on development, planning and housing.

The center he will head was established during the 1983-84 school year to provide a focal point for development-oriented activities and research aimed at developing countries. Under the direction of Frederick Krimgold, CAUS associate dean for research and development, the center has received more than \$168,000 in grants from the Agency for International Development's Office of Foreign Disaster Assistance.

New Director Named for Architecture Center

Humberto Rodriguez-Camilloni, associate professor of architecture in Virginia Tech's College of Architecture and Urban Studies (CAUS), has been named director of the college's Center for Architectural History and Theory. The center was established last year to focus on the teaching, study and research of contemporary and historic architecture and theory.

Rodriguez-Camilloni, who joined the CAUS faculty in 1983, holds master's degrees in architecture and philosophy and a doctoral degree in architectural history from Yale. He also received

ARCHITECT NEEDED

Newly Created Position. Young innovative design firm needs an Interior Architect to interface with tenant fit-up and development and architectural graphics. Above exposure preferred. Must be Registered. \$\$ Negotiable and commensurate with experience. Call Linda Starr at the Job Market, Inc.

788-4400.

R G A, Inc.

Traffic Signs
Signals & Equipment

804-794-1592

595 Southlake Blvd.
Richmond, Va. 23236

Ralph Wirt Associates

Engineering — Architecture
Planning

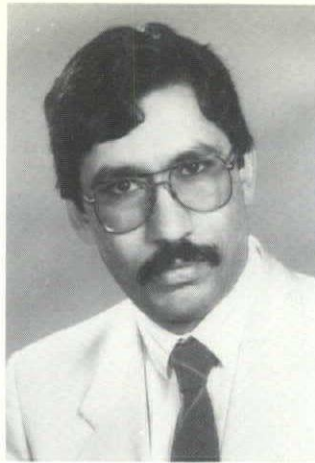
Phone 703-228-5584

1060 West Main St.
Wytheville, Va. 24382

an undergraduate degree in the history of art from Yale, graduating *magna cum laude*.

Earlier this year, he became the first U.S. scholar named to membership in the Center for Hispanic-American Studies, an organization in Argentina devoted to advanced study and research in arts and sciences related to the historic heritage of Spain and the Americas.

The new center director has spent several summers supervising restoration projects of the colonial city of Santa Fe la Vieja in Argentina and the church and monastery of San Francisco in Lima, Peru. He also is the author of several books and articles on architectural and art history.



Humberto Rodriguez-Camilloni

**FOR YOUR
TEMPORARY HELP NEEDS**

For Clerical & Light Industrial
Call



(804) 288-TEMP

5001 West Broad Street, Suite 110
Richmond, Virginia 23230

ESTABLISHED IN 1946
H & R Block Affiliate

M & N Masonry, Inc.

St. Reg. #017574

Residential — Commercial

Phone 703-978-4062

9124 Lake Braddock Drive
Burke, Virginia 22015



Roscoe McGhee
President

6707B Warwick Rd.
Richmond, Va. 23225
(804) 745-7979

COMMERCIAL CONTRACT
SALES
Eskimo Pie Building
Suite 510
530 East Main St.
Richmond, Va. 23219
(804) 644-0466

Commercial
•
Professional
•
Residential

*Carpeting Contractor
for
This Issue's
Cover Story
The Diamond*



A VALUE ORIENTED INNOVATIVE ENGINEERING FIRM

MECHANICAL

ENERGY STUDIES
ICE STORAGE SYSTEMS
GEOTHERMAL SYSTEMS
HEAT RECOVERY
INDUSTRIAL PROCESS
POWER PLANTS

ELECTRICAL

POWER DISTRIBUTION
MEDIUM VOLTAGE
SYSTEMS
ENERGY MONITORING
AND CONTROLS
CONTROLS &
INSTRUMENTATION

CIVIL

PLANS OF
DEVELOPEMENT
DRAINAGE
SITE UTILITIES
LOCATION AND
TRAFFIC STUDIES
ROADS

RICHMOND, VIRGINIA

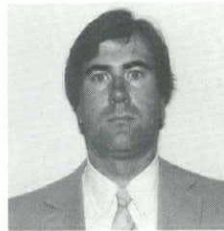
(804) 321-5962

NEW MEMBERS

ELIEL ALFON, Associate
Northern Virginia Chapter
With Henningson, Durham &
Richardson, Inc.
Alexandria



JOHN M. REUTHER, AIA
Tidewater Virginia Chapter
With Division Naval Facilities
Engineering Command
Norfolk Naval Station



MANUEL L. OLANO, AIA
James River Chapter
Firm of Manuel Olano Architect
Ashland



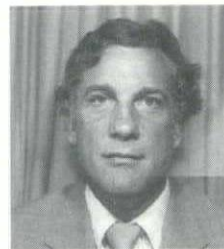
GEORGE S. SOUTHWELL, Associate
James River Chapter
With Landow & DeBettencourt
Architects
Charlottesville



JEFFREY L. PITCHFORD, Associate
Tidewater Virginia Chapter
With HQ Tactical Air Command
United States Air Force



HENRY TENSER, AIA
James River Chapter
With Thomas A. Hanson &
Associates, Inc.
Richmond



THOMPSON MASONRY, INC.

Masonry Contractor Va. St. Reg. #9593

COMMERCIAL — INDUSTRIAL

Phone 703/389-4823

807 Union St./P.O. Box 1382, Salem, Va. 24153

HANCOCK-FUQUA INC.

*General
Contractor*



St. Reg. #3

Phone 528-0300

LYNCHBURG, VIRGINIA

INSULATION SERVICES CO., INC. OF VIRGINIA

748-4938

P.O. BOX 719 • CHESTER, VIRGINIA

748-4938

We Sell & Install Quality Commercial
& Industrial Insulation Systems

- BOILERS & BREECHINGS
- COLD STORAGE
- CRYOGENIC SYSTEMS
- DUCTWORK
- EQUIPMENT
- HEATING & AIR CONDITIONING
- PROCESS PIPING
- PLUMBING
- REFRIGERATION
- REMOVABLE PADS
- SOUND ATTENUATION
- SHOP FABRICATION
- ASBESTOS REMOVAL

CHARLIE TRAYLOR

BILL HAUGHT

Paine Webber

*Working to get the
Right Information First*

Paine Webber offers
Complete Financial Services

In Over 240 Offices throughout the U.S.
including:

830 East Main Street, Richmond, Va. 23219
Donald P. Whitley, Branch Manager
(804) 644-4111



Demolition Contractor

PHONE: 855-7030

D. H. GRIFFIN WRECKING CO., INC.

NO JOB TOO LARGE OR TOO SMALL
ALL KINDS OF BUILDING MATERIALS FOR SALE
ESTIMATES GIVEN

D. H. GRIFFIN, SR.
PRESIDENT

4700 HILLTOP ROAD
P. O. BOX 7657
GREENSBORO, N. C. 27407

OFFICE (804) 737-7730

Perkins & Glass, Inc.

STOREFRONTS • CURTAIN WALLS • SLOPE GLAZING
ALUMINUM WINDOWS • MIRRORS • INSULATING GLASS

Glazing & Aluminum Work
on
The Diamond

1690 OLD WILLIAMSBURG RD.
P. O. BOX 306
SANDSTON, VIRGINIA 23150



MID-STATE PAINTERS, INCORPORATED

Industrial • Commercial • Institutional

P. O. BOX 506 • AMELIA, VA 23002 • PHONE (804) 561-3666

CHARLES E. MARTIN

PHONE: 233-3039



BASS STEEL BUILDINGS CORP.

AUTHORIZED DEALER AND ERECTOR
ARMCO STEEL BUILDINGS

708 BAINBRIDGE ST.
P.O. BOX 24292, RICHMOND, VA. 23224

Roofing Contractor
for
The Diamond



BAKER BROTHERS, INC.

Roanoke
(703) 344-2061

Staunton
(703) 886-6255

Parts—Service—Rentals

CASE
CONSTRUCTION EQUIPMENT

HOMELITE
PUMPS, GENERATORS, SAWS
(Roanoke Only)

We are very proud of our work as
Grading Contractor for
This issue's Cover Story Project . . .
The Diamond

DWIGHT SNEAD Landscaping & Paving Co., Inc.

Excavating, Landscaping & Paving Contractors
COMMERCIAL—INDUSTRIAL—RESIDENTIAL
Serving Richmond & Vicinity

804-798-1611
Route 4, Box 225, Glen Allen, Va. 23060

A TRADITION OF EXCELLENCE IN BUILDING



McDevitt & Street
General Contractors

7200 Glen Forest Drive
Suite 300
Richmond, VA 23226
804/285-0151



The Diamond

Baskervill & Son—Architect

Location: Richmond

Interior Designer, Hochheiser-Elias Design Group, Inc. • Site Engineer, CEK, Inc. • Surveyor, Austin Brockenbrough & Associates • Structural Engineer, Thomas A. Hanson & Associates, Inc. • Mechanical/Electrical Engineer, Baskervill & Son • Geotechnical Engineer, Schnabel Engineering Associates, P.C. • Sound Consultant, Bolt, Beranek & Newman, Inc. • Scheduling Consultant, PMG—The Project Management Group, Inc. • General Contractor, McDevitt & Street Company • Photography, Don Eiler Custom Photography.

BACKGROUND

In 1954, Richmond lured a Triple-A baseball team to play at Parker Field. Thirty years later, Richmond came very close to losing its very successful minor league team "The Richmond Braves." The reason was not because of the lack of support from the community, but rather the facility, Parker Field, had become run-down and required extensive repairs.

In January 1983, it appeared that Richmond would be without their minor league team. The Atlanta Braves were giving serious consideration to moving the team. Mr. Richard Anderson contacted Mr. Carlton Moffatt, then president of the Metro Richmond Chamber of Commerce. Several meetings occurred and in May 1983 the Stadium Operating Committee was formed with

Mr. Richard Hollander as chairman and Mr. Robert S. Ukrop as finance chairman.

On March 29, 1984, the committee announced that a new baseball facility would be constructed. Three jurisdictions, City of Richmond, Chesterfield and Henrico County, which supported the concept from the start, committed \$4 million. The remaining \$4 million was to be raised from private sources and Mr. Ukrop began the successful selling of the stadium to the community.

From March 29, 1984 to July 24, 1984, a design/build competition was held by the committee to select the architectural and contracting team. On July 2, 1984 the committee met to select the best design solution and Baskervill & Son's



design was selected. On July 24, 1984, the bids were opened and McDevitt & Street was awarded the construction contract. On September 4, 1984 construction began with the demolition of the old stadium and on April 17, 1985 the first game was played to a sell out crowd.

SITE

"The Diamond" is located on the previous Parker Field site, and is built around the existing building field. The facility is on the northside of Richmond and is visible from Interstate 95 and 195.

PROGRAM

The process for "The Diamond" was a design/build competition for a new 12,500 seat stadium. The primary design objective was good visibility for all 12,500 spectators, while creating a sense of closeness to the playing field, similar to the old Parker Field. In addition to design considerations, construction cost and time of construction were of primary importance.

DESIGN SOLUTION

The main access to the Stadium is designed to provide a grand sense of entrance. After ticketing and passing through turnstiles, the spectator passes across a broad plaza up a short flight of stairs to a large open central space complete with fountain and flanked by stairs to the upper concourse. Handicapped access is via a slight ramp down to "grade level," where an elevator is available to the main and upper concourses.

The solution provides a very compact stadium with 12,500 seats on the home plate side of the line between first and third bases. This results in a very intimate setting, where fans are "close to the action." The concourse areas provide varied and exciting spaces which are protected from the elements by the upper grandstand. The resultant space is exciting and truly multi-use for such functions as art exhibits, community and social events, and specialty shows.

CONSTRUCTION

The major material used to express the concept is concrete, both cast-in-place and precast post-tensioned. An aluminum metal roof, integrally colored concrete masonry units, and exterior ceramic tile complete the pallet of beautiful low maintenance materials for the stadium.

The upper grandstand's concrete bents soar above the main and upper concourses and are supported by "V" shaped columns sitting on one-story buttresses. Between the buttresses are planted berms screening the activities on the grade level.

CONSTRUCTION CREDITS

McDevitt & Street Company of Richmond was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

(Richmond firms unless noted)

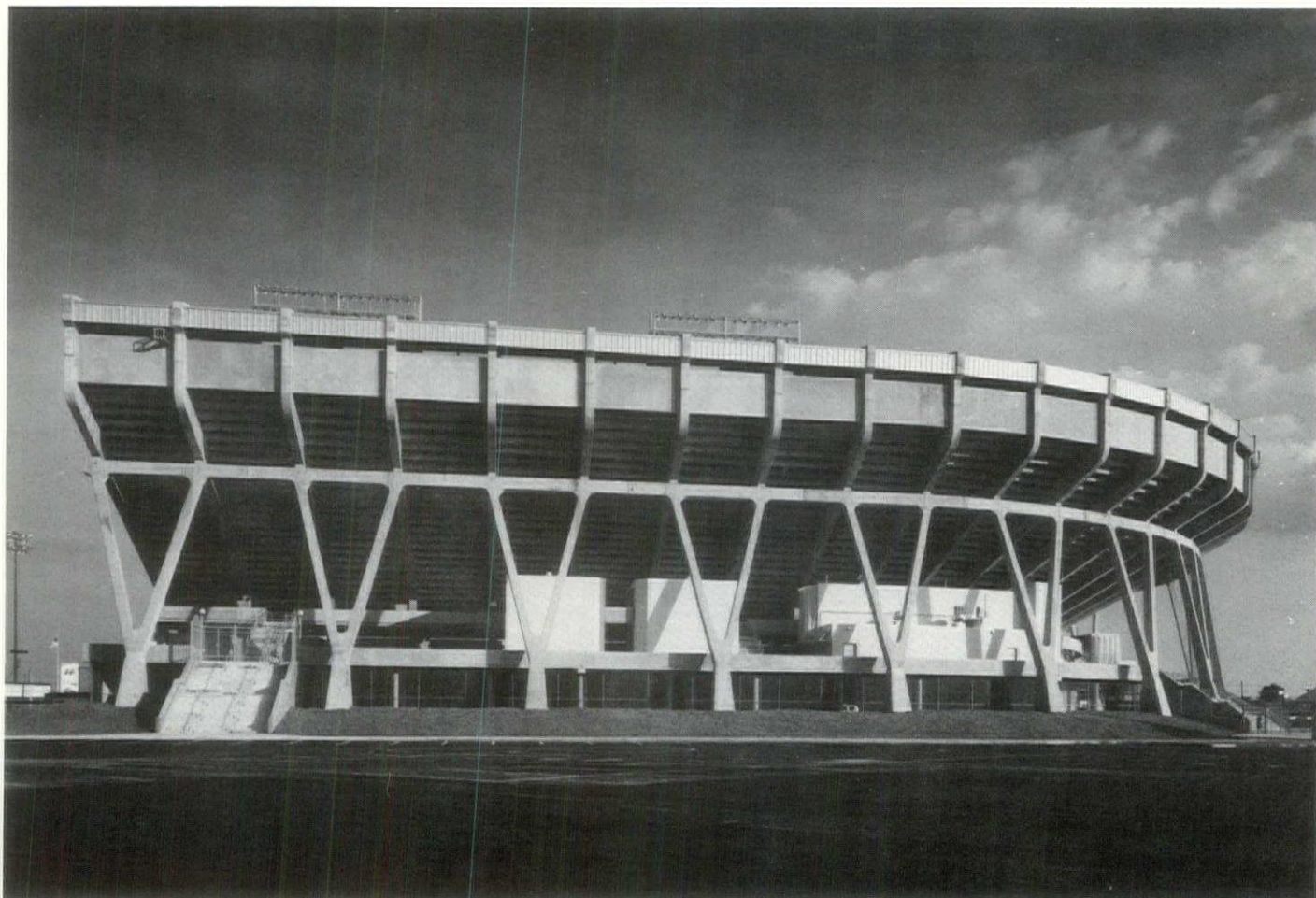
D. H. Griffin Wrecking Co., Inc., Greensboro, NC, demolition; Lone Star Cement, Inc., concrete supplier; Economy Forms Corp., precast formwork; Capital Masonry Corp., masonry contrac-

tor; J. D. Wilkins Co., Greensboro, NC, miscellaneous metal; Bass Steel Buildings Corp., roofing; W. W. Nash & Sons, Inc., insulation; Richmond Primoid, Inc., caulking, waterproofing & Neogard roof coating; Perkins & Glass, Inc., glazing contractor; and Roanoke Engineering Sales Co., Inc., metal doors & frames.

Also, Architectural Hardware, Inc., hardware supplier; A. Bertozzi, Inc., gypsum board contractor; H. E. Satterwhite, Inc., structural (glazed) tile; Manson & Utley, Inc., acoustical treatment; Superior Floor Covering, Inc., carpet; Glidewell Brothers, Inc., painting contractor; J. H. Pence Co., seating; Westinghouse Elevator Co., elevator; Dagenhart Sprinkler Co., sprinkler contractor; William H. White, Jr., Inc., plumbing/heating/ventilating/air conditioning contractor; and Ben Collier Electrical Contractors, Inc., electrical contractor.

And, C. P. Buckner Steel Erection Service, Inc., Chapel Hill, NC, precast erector; Dee Shoring Co., Inc., shoring contractor; Hendricks Tile Manufacturing Co., precast seat risers; Interstate Construction Corp., storm contractor; VSL Corporation, Springfield, post tension-slab supplier; Dywidag Systems International, USA, Inc., Baltimore, MD, post tension-precast supplier; and Dwight Snead Landscaping & Paving Co., Inc., Glen Allen, grading contractor.

Others were: Martin Metalfab, Inc., lockers; Forge Fence Co., Inc., Providence Forge, fencing contractor; Jarvis Sound Corporation, sound system; Andco Industries Corp., Greensboro, NC, signage; and Hodges Signs, exterior signage.



COMMERCIAL
SECURITY
INSTALLATION
SPECIALIST



CHAIN LINK
FENCES

**FORGE FENCE CO.
INCORPORATED**

SERVING CENTRAL & EASTERN VIRGINIA Established 1975 BONDS AVAILABLE

RICHMOND
TEL NO. **343-1030**

RICHMOND OFFICE: 205 STOCKTON ST.

*We are pleased our firm was selected
as Fencing Contractor for
"The Diamond" currently featured.*

**Capital
Masonry
Corp.**

"BUILD WITH BRICK"

BRICK CONTRACTOR

2305 LA CROSSE ST.

• RICHMOND, VIRGINIA 23223

• PHONE 804-649-7636

*We are very proud of our work as
Masonry Contractor
for this issue's Cover Story
The Diamond*

**Austin Brockenbrough
and Associates**

CONSULTING ENGINEERS/SURVEYORS

CIVIL • MECHANICAL
ELECTRICAL • PLANNING
SURVEYING

P.O. BOX 4800 • 4800 W. HUNDRED RD.
CHESTER, VA. 23831
804/748-8746

**ARCHITECTURAL
HARDWARE, INC.**

CORBIN

COMMERCIAL HARDWARE

Phone 358-9308

2311 W. Main St.
Richmond, Va. 23220

THOMAS A.
HANSON
& ASSOCIATES, INC.

WE WERE PLEASED

TO BE A PART OF

THE DESIGN TEAM

FOR

"THE DIAMOND"

Suite 604
3108 Parham Road
Richmond, Va. 23229
(804) 346-0040

Seaboard Foundations, Inc.

Drilling & Foundation Construction

8576 DORSEY RUN RD.

DIAL (301) 792-8616

JESSUP, MARYLAND 20794

Va. St. Reg. #8624

*We are very proud of our work as the PRECAST ERECTOR for
this issue's cover story project: The Diamond.*

C. P. Buckner Steel Erection, Inc.

P.O. Box 1249
Chapel Hill, N.C. 27514
919-933-6966

Commercial—Industrial

Industrial, Residential & Commercial

Ben Collier

ELECTRICAL CONTRACTOR, INC.

1523 West Cary Street
Richmond, Va. 23220

Phone: (804) 358-6783

Ruffin & Payne Inc.

**Lumber • Millwork
Building Supplies**



East Laburnum Ave. at Vawter Ave.
Richmond, Virginia

329-2691

Serving Builders Since 1892



WILLIAM E. KINDERVATER INC.

8518 Bentrige Lane
RICHMOND, VIRGINIA 23229

Phone 285-1616

General Contractor for the Tuckaway Harbor
Day Care Center featured in this issue.



Holly & Spain Ltd. P.C.

Engineers Surveyors Planners

**CIVIL — SANITARY — LAND PLANNING
PLANS OF DEVELOPMENT
SUBDIVISIONS — SURVEYING**

P.O. Box 518
Mechanicsville, VA 23111

Civil Engineers for
Burkwood Recreation Ass'n
and
Tuckaway Harbor Day Care Center

(804) 746-1549

RICHMOND **P** PRIMOID, INC.

• WATERPROOFING

• BUILDING
CLEANING

• BUILDING
MAINTENANCE

Providing
**CAULKING—NEOGARD ROOF COATING—WATERPROOFING
FOR THE DIAMOND**

HISTORIC AND COMMERCIAL

COMMERCIAL AND INDUSTRIAL

P.O. Box 1383

Richmond, Va. 23211

644-4561

Tuckaway Harbor Day Care Center

W. Canova Peterson, Architects

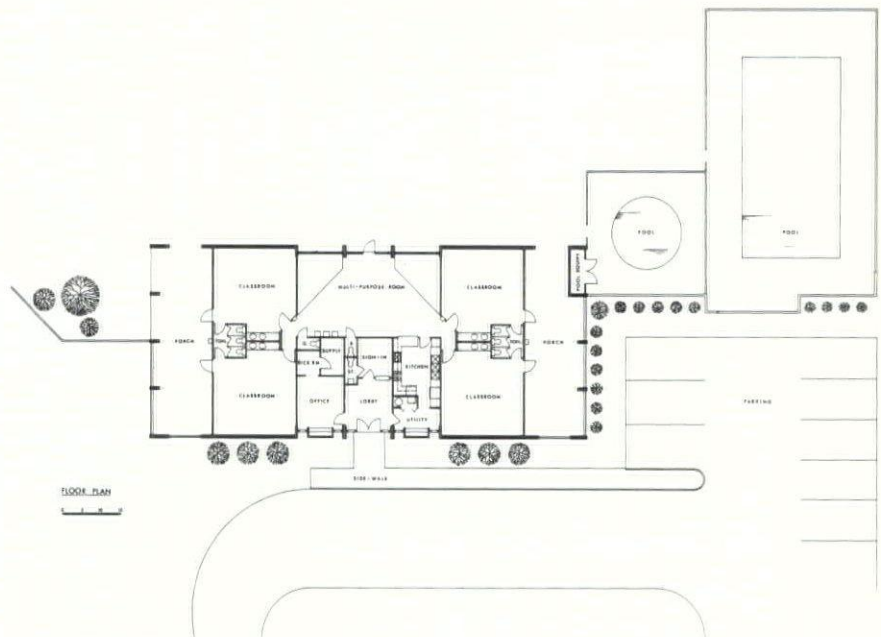
Location: Hanover County

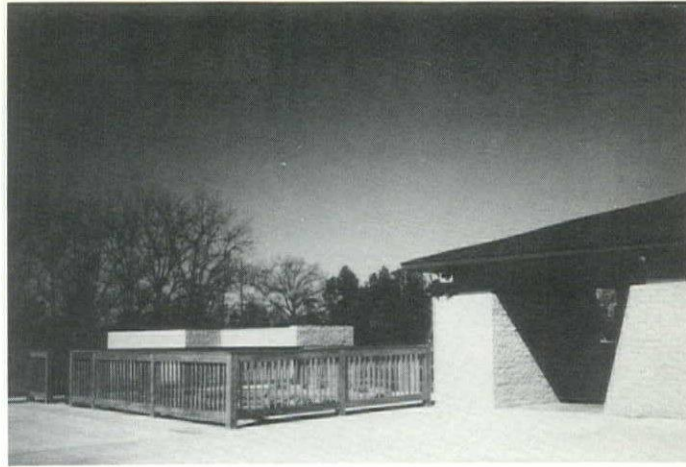
Owners, Karlis and Beverly Graubics • Project Architect/Designer, W. Canova Peterson • Site Engineer/Surveyor, Holly & Spain Ltd., P.C. • Structural/Mechanical/Electrical Engineer, the Architects • General Contractor, William E. Kindervater, Inc. • Photography, Leigh Taylor.

The Tuckaway Harbor Day Care Center, located on seven rolling acres of land in eastern Hanover County, is a result of the vision of Karlis and Beverly Graubics who perceived the need for quality child care and training in the rapidly expanding Mechanicsville area. They noted that today's contemporary environment often demands full time employment for both parents of many young families, making adequate child care a primary issue in their lives.

Their response to the resolution of this issue was to avoid the temptation to provide an institutional type holding area for the children where indoor activities and limited outdoor activities are the norm. Instead, they acquired a site of adequate size to meet the needs of their philosophy and instructed the architects to design the facilities to be alive with a full range of educational and physical activities and to encourage the fullest development of the children placed in their care. The architects were also required to consider the emotional needs of the children by providing a residential atmosphere approaching that of their own homes.

In keeping with this philosophy, the site selected is in the vicinity of one of the community's ele-





mentary schools and is surrounded by rural and residential development allowing many of the children the opportunity to remain in the familiar surroundings of their own neighborhood.

In response to heavy emphasis on both indoor and outdoor activities, the architects designed the facilities to provide full interaction between interior and exterior spaces. All activity spaces are open to and have direct access to exterior activity areas consisting of paved area for tennis, basketball, etc., lawn and playground areas and swimming pools for recreation and instruction. In addition, direct access is provided to two covered outdoor activity areas allowing continued programs during inclement weather.

The design of the building was determined jointly by the function and the specified requirement of maintaining a warm inviting residential atmosphere. Concrete split face masonry walls were used to define the activity areas surrounding the administrative and service core of the building. These walls terminate two feet below the ceiling to accommodate continuous clerestory windows which provide daylighting while

maintaining full usable wall surface. In addition, the clerestory develops a light floating appearance for the entire roof structure, enhancing the interior/exterior relationship.

Materials and methods of construction throughout were based on child safety, ease of maintenance, economy and aesthetic appeal. Exterior surfaces were designed of split face masonry, accented with strip lapped cedar siding and glass. Interior vertical surfaces consist of gypsum wall board, concrete masonry and glass. Floor surfaces are carpet and vinyl tile designed to define the various activity areas. Ceilings, throughout, are suspended acoustic except in the multi-purpose room where a vaulted gypsum ceiling is penetrated by domed skylights between exposed heavy timber beams.

The facilities have been in operation at full capacity since the fall of 1984 when the Graubics' vision for maximum service child care was realized.

William E. Kindervater, Inc. of Richmond was general contractor and handled carpentry and waterproofing.

SUBCONTRACTORS & SUPPLIERS

(Richmond firms unless noted)

C. F. Richmond, Inc., Crozier, excavating; Brookhill Landscapes, landscaping materials; James P. Dillard, paving contractor; W. J. Rapp Co., Inc., concrete contractor; Lone Star Cement, concrete supplier; J. Carrington Burgess Masonry Contractors, Inc., masonry contractor & stonework contractor/supplier; Concrete Block, masonry manufacturer; Shade & Wise, Inc., masonry supplier, mortar & foundation insulation; Richmond Steel, Inc., steel supplier & miscellaneous metal; Daniel L. Swisher Co., Inc., roofing; and Lakeside Insulation Co., Inc., wall insulation.

Also, Ruffin & Payne, Inc., structural wood, millwork, wood doors & windows; Powell's Kitchen Center, Inc., cabinets; Barnett's Heating & Air Conditioning, Inc., Midlothian, sheet metal; Allied Glass Corp., glass & glazing contractor; Architectural Hardware, Inc., metal doors & frames & hardware supplier; Kinnie R. Bridgers Dry Wall, gypsum board contractor; Manson & Utley, Inc., acoustical treatment; Costen Floors, Inc., resilient tile & carpet; Maynard F. Dorrier, Mechanicsville, painting contractor; Jo-Pa Company, swimming pools; Shepardson Mechanical Corp., plumbing contractor; and Webb Electrical Corp., electrical contractor.

J. CARRINGTON BURGESS MASONRY CONTRACTORS, INC.

St. Reg. #9886

RESIDENTIAL—COMMERCIAL
INDUSTRIAL

Phone 264-2849

7312 Impala Drive
Richmond, Virginia 23228

Bridgers Dry Wall Company

Phone 804/272/4029

2811 Jeffers Drive
Richmond, Virginia 23235

*Gypsum Board Contractor
for the Tuckaway Harbor
Day Care Center*

Shepardson Mechanical Corp.

Va. St. Reg. #20476

Heating — Air Conditioning

3000 Lincoln Ave., Richmond, Va. 23228

804-266-6666

*Plumbing Contractor for the Tuckaway Harbor
Day Care Center, Currently Featured*

Daniel L. Swisher Company, Inc.

Roofing Contractor

Residential—Commercial

2420 Wright Avenue
Richmond, Va. 23224

804-233-6205



Kidwell Turf Farms, Inc.

J. L. Kidwell, Owner

*Effective April 4, 1985
Kidwell Turf Farms has
Relocated its Corporate
Office from Culpeper to*

**1925 Puddledock Rd.
Petersburg, Va.**

**1-800-533-4448
or 804-733-7170**

Taylor & Parrish, Inc.

General Contractor

RESIDENTIAL—COMMERCIAL
INDUSTRIAL

**710 Perry St. Phone 233-9856
Richmond, Virginia 23204**

Hammond Brothers, Inc.

General Building Contractors
St. Reg. #17115

**Phone 443-3375
P.O. Box 963
Tappahannock, Va. 22560**



**P. O. BOX 8327, RICHMOND, VA. 23226
804-288-1951 or 266-2403**

**AUTHORIZED TRANE &
GENERAL ELECTRIC SERVICE**

**PLUMBING—HEATING
AIR CONDITIONING & HEAT PUMPS**

SALES—SERVICE & INSTALLATIONS

WILLIAM H. WHITE, JR., INC.

Mechanical



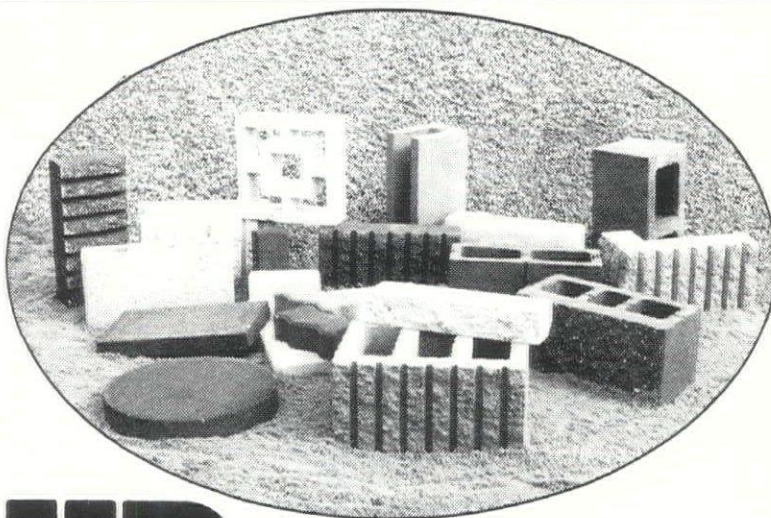
Contractors

1800 Roseneath Rd.

804-355-4368

RICHMOND, VIRGINIA 23230

*Mechanical Contractors
For this issue's Cover Story Project,
The Diamond*



BETCO

BLOCK & PRODUCTS, INC.

**5400 Butler Rd., Bethesda, Maryland 20816
654-2312**

**7305 Wellington Rd., Gainesville, Va 22065
(Metro) 385-3863 (703) 754-9009**

—Custom Masonry Units—

Colored Block
Concrete Sewer Block
Grout Block
Bet-Loc Interlocking Pavers
Roof Block
Screen Units
Bet-Roc Split Face
Bet-Roc Split Flute
Bet-Roc Split Rock

—Brick Distributor—

Alwine Handmade
Baltimore Brick • Borden • Redford
Sanford • Chatham
Glen-Gery • Maryland Clay
Grays Ferry • General Clay
Old Virginia • Old Carolina Handmade
Continental • General Shale
Cloud Ceramics
Whitacre-Greer

—Distributor—



Children's Farm, Maymont Park

SB Architect

Location: Richmond

Landscape Consultant, Earth Design Associates • Structural Consultant, McKinney & Walker • Mechanical/Electrical Consultant, Energy Consultants, Inc. • Construction Manager, Fred Murray—Maymont Foundation • Construction Supervision, Taylor & Parrish, Inc. • Photography, Whitney Cox.

Located near the Spottswood entrance of Maymont Park, the Children's Farm is intended to exhibit Virginia farm animals, house interpretative displays, provide a place for demonstrations, and offer a "hands-on" experience to visitors. In addition to the educational and exhibition aspects of the program, the building provides a base for the eastern part of the park with a staff office and telephone, restrooms, and information about the whole park.

It is the only new structure in the entire park, the other buildings being part of the original estate built by Major Dooley in the 19th century. Func-

tionally the building provides a home to a variety of animals ranging in size from rabbits and chickens to horses and cows, and it provides a safe environment for human visitors to observe and interact with the animals.

The design imagery has roots in vernacular rural architecture common in Virginia in the last century. The building is composed of two wings—a barn wing and an office/toilet wing, at right angles to each other forming an "L" with a breezeway at the connection. The breezeway forms the entrance to the complex and the "L" partially encloses a "barnyard" which is defined by fenced paddocks on the open side. The building is sited near the crest of a ridge with the paddocks falling off down the hill side from the barnyard which offers a spectacular view of the old estate mansion on the opposite ridge across a small valley.

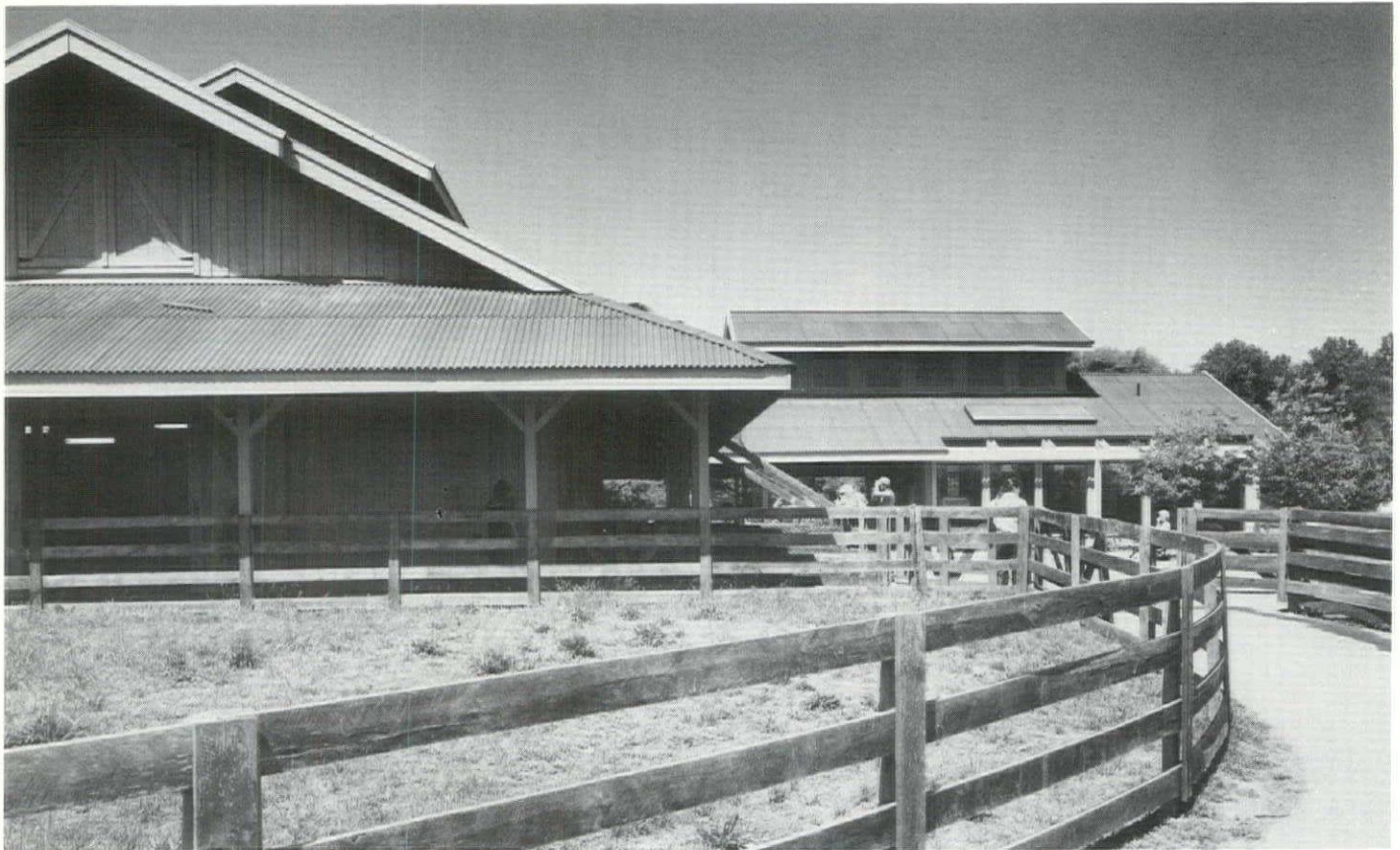
The Maymont Foundation is committed to environmental education, and pursuant to this commitment, energy saving strategies were employed where possible. The office/toilet wing is heated by a passive solar "Trombe wall." Hot water is provided by an active solar collector

system. The various components of these systems are displayed and explained to visitors; thus the building itself becomes an active exhibit, not merely an enclosure housing exhibits.

Taylor & Parrish, Inc. of Richmond handled construction supervision for the project.

SUBCONTRACTORS & SUPPLIERS (Richmond firms unless noted)

Harris Excavating Co., Mechanicsville, site-work; Umbaugh Building Co., Fredericksburg, structure & enclosure & wood supplier; N. B. Goodwyn & Sons, Inc., Chesterfield, wood supplier; Robert E. Lee Masonry, masonry contractor; Onduline Roofing (donated); Heiberger-Smith, Inc., carpentry; Pleasants Hardware, hardware supplier; Reynolds Metals Co., solar hot water system; The Trane Co. and Equipment Sales Co., Inc., mechanical suppliers; Baker & Hazlewood Mechanical Contractors, Inc., mechanical contractor; General Electric Supply Co., electrical equipment supplier; Cornell & Waldbauer, electrical contractor; Winebarger Corp., Lynchburg, church furniture; and McIlvain Lumber Co., Baltimore, MD, exterior yellow poplar siding and trim.

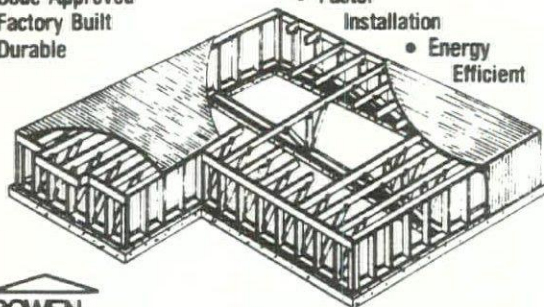




"World's Fastest Foundation"

- Code Approved
- Factory Built
- Durable

- Faster Installation
- Energy Efficient



The Bowen System is a lightweight, permanent wood foundation and floor system that has set new standards for quality, speed and cost effectiveness. It's an alternative to slab on grade or concrete foundation and floor systems.

ROOF AND FLOOR TRUSS SYSTEMS

HANOVER

FABRICATORS

102 S. LEADBETTER ROAD • ASHLAND, VIRGINIA 23005

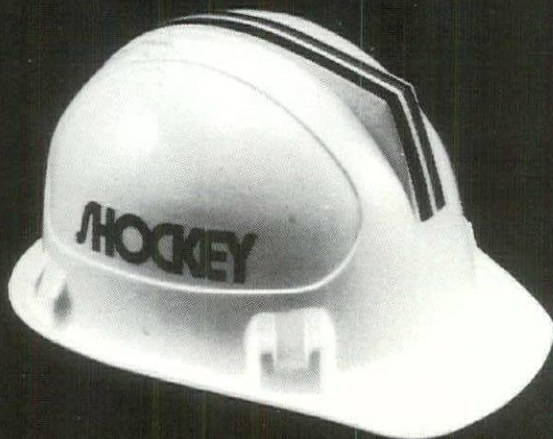
Phone: 804-798-6036

U.S. Patent No. 4,457,118

Licensed Manufacturer No. 58

Known best by the clients we keep!

Industrial, Commercial, Institutional Construction since 1896



HOWARD SHOCKEY & SONS INC.

BOX 2530 WINCHESTER, VIRGINIA 22601

TELEPHONE: (703) 667-7700



BAKER & HAZLEWOOD

Mechanical Contractors, Inc.

- COMMERCIAL
- INDUSTRIAL

—PHONES—

804/231-5053 or 804/231-4903

320 LORDLEY LANE • RICHMOND, VA 23224

We are extremely proud of our work and participation as Mechanical Contractor for the Children's Farm, Maymont Park, currently featured.

OFFICE 231-4201
MOBIL 359-9744

HOME 745-9466
PAGER 343-9879

W. J. RAPP, INC.

Concrete & Waterproofing Contractors

ALL TYPES OF CONCRETE WORK

QUALITY WORK - DEPENDABLE SERVICE

DENNIS RAPP
REPRESENTATIVE

P. O. BOX 3332
RICHMOND, VA. 23235

With Rights . . .

Come Responsibilities!

Exercise Both

Vote

November 5

Burkwood Recreation Association

Freeman and Morgan, PC—Architects

Multi-Use Clubhouse • Location: Hanover

Project Architect, John Morgan, AIA • Structural Engineer, Dunbar, Milby & Williams • Civil Engineer, Holly, Spain, Sutton & March, P.C. • Construction Management, Resource International—Mike Fiore, P.C. • General Contractor, Brooks & Company General Contractors, Inc.—Project Manager, Ken C. Magalis, AIA • Story by James C. Wall, III • Photography, Ken C. Magalis, AIA.

PROGRAM

Burkwood Recreation Association wanted to add an impressive multi-use clubhouse to their recreational facilities, located on 23 acres off State Route 606 in Hanover County, and remain within a limited project budget. The owners required a building that would fill their needs for meetings, entertainment, fitness programs, food preparation, storage and complement their existing facilities.

SITE

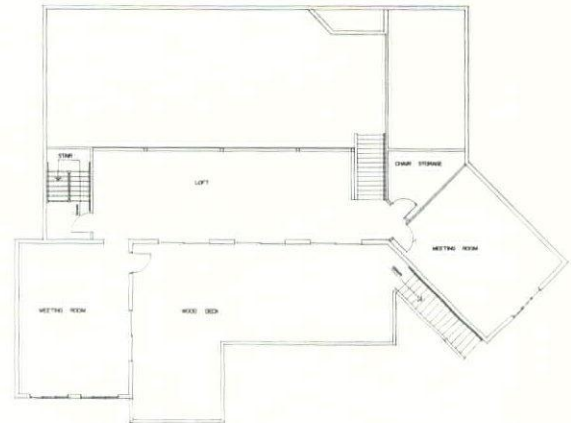
The site is located on a sloping wooded lot in a residential neighborhood of Hanover County.

SOLUTION

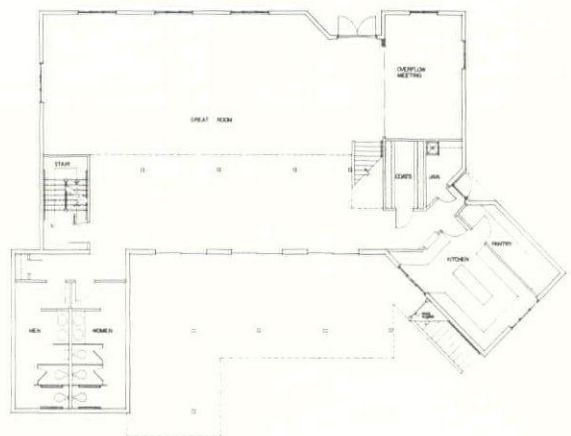
The design solution is a contemporary structure with an open great room with a large loft above, full basement and two, two-story wings. The building is located in close proximity to two existing pools with its two wings at wide angles so that the building forms a spread "V" thereby focusing views on pools and providing privacy from the entrance road yet retaining the rustic, naturalized appearance.

Forty-four foot TGI truss joist permit an open floor plan with a 35'-10"x54' great room. Located at one end of the great room is a white oak dance floor, at the other end an operable wall allows the space to be partitioned off for meetings. The back of the great room is a series of sliding glass doors which open onto an exposed aggregate deck leading to the swimming pools. A 14'-6"x42' balcony runs the length of the great room and also has a series of sliding glass doors on the pool side which opens onto a large wooden deck overlooking the pools. The building's north wing has a complete kitchen on its main floor serving the patio and great room and the second floor of the wing is used as a meeting room. The building's south wing houses the facility's restrooms on the main floor with meeting space on the second floor. An ample exercise facility with weight machines is located in the partially finished lower level; future recreational areas will be developed in the remaining vacant space.

The building was constructed using a fast track design/build approach. It is worth noting that AIA members were on both the Architectural and Building parties. Construction documents

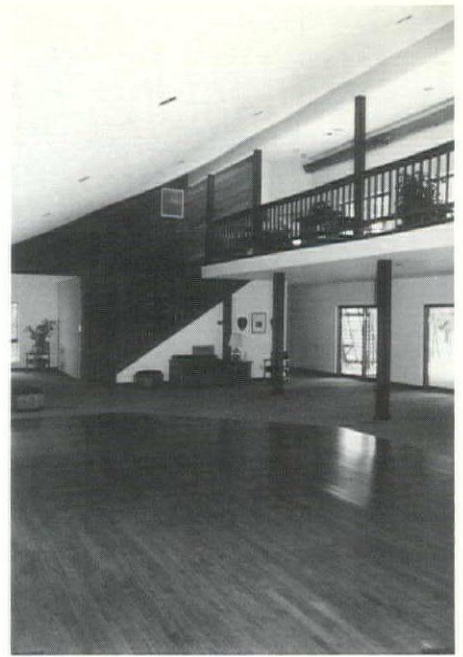


SECOND FLOOR PLAN



FIRST FLOOR PLAN





were prepared by Freeman & Morgan with Brooks & Co., Inc. working closely with the architect to provide construction costs on various design/alternatives in order to bring the project within the scope of the owner's budget and program requirements. Once the parties reached agreement on the basic building, construction began with the various interior finishes and other features being negotiated as the building progressed. The solution used the team concept and promoted an attitude of cooperation through the initial stages of the project to its completion. Once construction began, the project architect took a predominately hands off stance and the construction administration was performed by the owner and constructor.

The completed building including deck and patio

encompasses a total of 8975 square feet at a cost of \$30.00 per square foot.

Brooks & Company General Contractors, Inc. of Ashland, was general contractor for the project, and handled excavating, concrete & landscaping.

SUBCONTRACTORS & SUPPLIERS

(Richmond firms unless noted)
Bowker & Roden, Inc., reinforcing steel supplier; Massey Concrete Corp., concrete supplier; Ni-Bro Construction, Inc., masonry contractor; R. L. Almond Co., Inc., Sandston, exposed aggregate contractor; Hanover Iron & Steel, Inc., Ashland, structural steel fabrication & erection; Carey Oakley & Co., Highland Springs, roofing contractor; Tri-City Insulation, Inc.,

insulation contractor; Roper Bros. Lumber, structural lumber supplier; and Ruffin & Payne, Inc., millwork supplier.

Also, Alexander Waterproofing Co., waterproofing; Andersen Windowalls, Bayport, MN, windows; Pleasants Hardware, hollow metal, hardware, toilet partitions & accessories supplier; Virginia Wallboard Construction, Inc., Mechanicsville, drywall contractor; Walkers Carpets & Interiors, carpet & acoustical contractor; Costen Floors, Inc., wood flooring contractor; PDS, painting contractor; M. A. Bruder & Sons, Inc., MAB Paints; Barranger & Co., Inc., operable wall contractor; Heritage Mechanical, Inc., Ashland, plumbing contractor; Varina Refrigeration Service, Inc., heating/ventilating/air conditioning contractor; and Tate & Hill, Inc., electrical contractor.

Resource International, Ltd.

ENGINEERS—SURVEYORS—PLANNERS

Subdivisions / Apartments
Industrial Parks
Shopping Centers
Commercial Site Plans

Ashland, Va. (804) 798-1409



Insulation & Seamless Gutters
Acoustical Ceilings

804-745-9037

517 Turner Road
Richmond, Va. 23225

Member Home Builders Association

Hanover Iron & Steel, Inc.

ORNAMENTAL IRON
RAILINGS—COLUMNS—GATES
FABRICATION—ERECTION

Dial

798-5604 or 798-5200

101 S. Leadbetter Road
Ashland, Va. 23005

CORNELL & WALDBAUER

Electrical Contractors
St. Reg. #20021

817 W. Cary St.

RICHMOND, VA 23220

Phone 804-643-6279

L&H Company of Montross, Inc.

Machine Dug Wells & Test Holes

Donald Hall
Phone 493-9642

Willard Hall
Phone 333-3744

Concrete Products-General Road Work-Paving

Montross, Virginia



INTERIOR SYSTEMS

MANSON & UTLEY, INC.

- ACOUSTICAL TILE
- CEILING SYSTEMS
(LIGHTING, AIR DIST., ACOUSTICS)
- FLOOR TILE
- RAISED FLOORING
- PARTITIONS
- CARPET

353-2100
3310 ROSEDALE AVE.
RICHMOND, VA. 23230

CHARLOTTESVILLE
973-4405

*We are extremely proud of
our work and services,
and to have participated
in the construction of
these featured projects:*

- The Diamond
- The Collegiate Schools
Athletic Complex
- Tuckaway Harbor
Day Care Center

F. G. PRUITT INC.

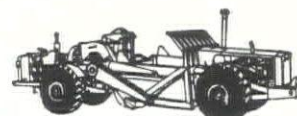
EXCAVATING CONTRACTOR

OVER 35 YEARS SERVING THE RICHMOND AREA

"COMPLETE SITE PREPARATION"
INDUSTRIAL & COMMERCIAL
EQUIPMENT RENTAL
Storm Sewers & Street
Construction

804-282-5487

**2415 GRENOBLE ROAD
RICHMOND, VA. 23229**



COSTEN FLOORS, INC.

St. Reg. #7013

*We Furnish
Install & Guarantee
Hardwood Floors*

- STRIP
- PARQUET
- GYMNASIUM
&
- PORTABLE FLOORS

Warehouse & Showroom
Call 804-264-2996
Telegraph Rd. & U.S. #1, North
Richmond, Va.

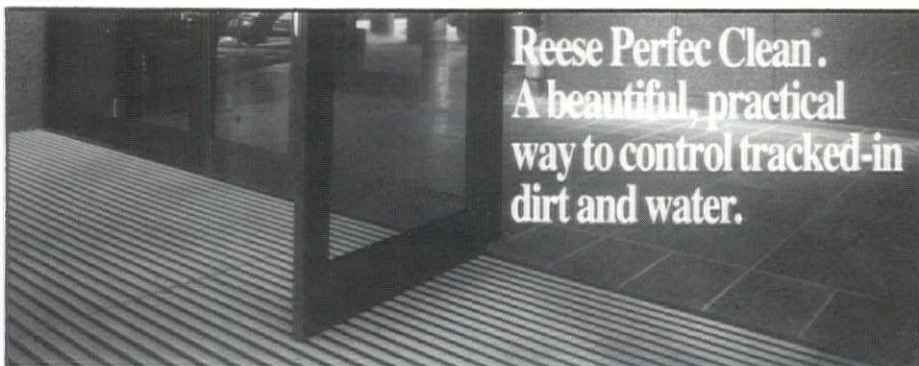
*We are very proud of our
participation in providing
the Special Flooring for
Collegiate Schools Athletic Complex,
Tuckaway Harbor Day Care Center,
and Burkwood Recreation Ass'n,
currently featured.*

VARINA REFRIGERATION SERVICE, INC.

Va. State Reg. #7359

Phone (804) 355-9126

3108 No. Boulevard, Richmond, Va. 23230



Reese Perfec Clean.
**A beautiful, practical
way to control tracked-in
dirt and water.**

*The new Thoreau Office Building uses Reese Perfec Clean
distributed by The Mat Works to stop dirt in its tracks.*



the mat works

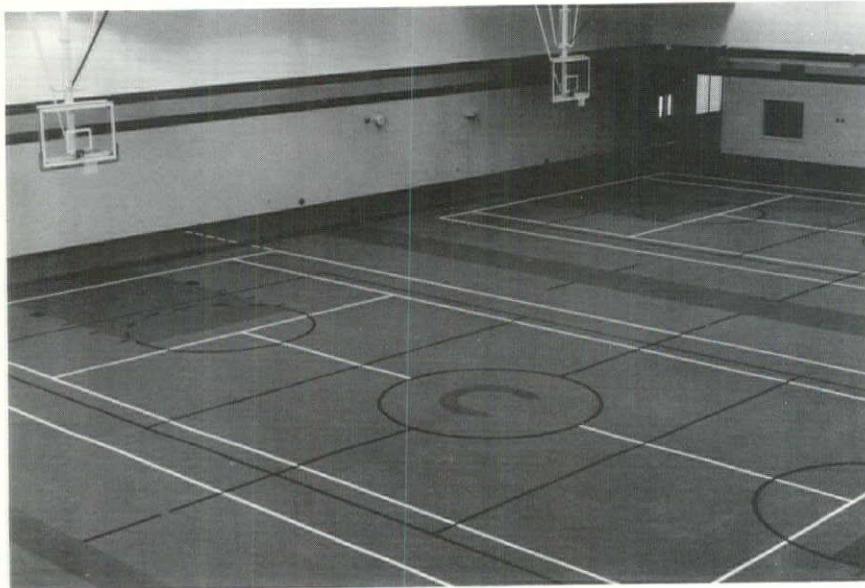
A DIVISION OF JANITEX RUG SERVICE CORP.
2504 fifty first avenue
hyattsville, maryland 20781

301-341-1991 WASH.
301-792-2733 BALTO.
215-569-8810 PHILA.

WE OFFER LOCAL PROFESSIONAL JOB-SITE ASSISTANCE

- Reese Perfec Clean Floor Grid Systems
- Futurus, Tirex, Traffic, Eldorado Tiles
- Seamless & Radial Tile Flooring
- Cocoa-Sisal Flooring for Vestibules & Recess Areas
- Vinyl Link & Pyramid Mats
- Mat Frames & Stair Treads
- Carpet Mats & Matting

PRO GYM SCORES AGAIN!



Pro Gym covers the floor of the Collegiate Schools
in Richmond, Va.

Warthan Recreational Equipment Company, Inc.

"Athletic and Fitness Equipment Specialist"

426 S. 15th Avenue P. O. Box 1378
Hopewell, Virginia 23860
Phone 458-6321 — 458-6628

LIPHART  STEEL CO.
Incorporated
•DESIGNERS
•FABRICATORS
•ERECTORS
STRUCTURAL STEEL—ORNAMENTAL IRON
OFFICE AND PLANT
3308 Rosedale Ave.
Richmond, Va. 23230
PHONE
(804) 355-7481

Southern Brick Contractors Inc.

MASONRY CONTRACTORS

Phone 355-7826

2403 Westwood Ave.
Richmond, Virginia 23230

Trent Plumbing & Heating, Inc.

PROMPT—EFFICIENT SERVICE

ROANOKE-SALEM & VICINITY
SALES & INSTALLATIONS

NEW & REMODELING
RESIDENTIAL—COMMERCIAL

Call 985-0997
1845 Westland Road, SW/P.O. Box 3156
Roanoke, Va. 24015

CONQUEST, MONCURE & DUNN, Inc.

CONSTRUCTION



COMMERCIAL • INDUSTRIAL • INSTITUTIONAL

GENERAL CONTRACTORS FOR THE
ATHLETIC COMPLEX FOR THE COLLEGIATE SCHOOLS

208 East Cary Street

RICHMOND, VA 23219

Telephone (804) 643-3434

Athletic Complex

Carneal & Johnston, Architects & Engineers, PC

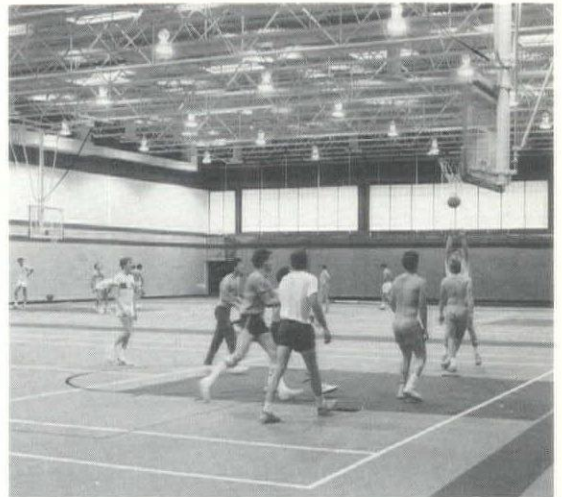
Location: The Collegiate Schools, Richmond

Project Architect/Designer & Interior Designer, Carlos H. Costas • **Site Engineer/Surveyor,** J. K. Timmons & Associates, Inc. • **Structural Engineer,** Randall A. Strawbridge, Inc. • **Mechanical Engineer,** Carneal & Johnston, PC • **Electrical Engineer,** CEK, Inc. • **Geotechnical Engineer,** Sayre & Associates, PC • **Construction Administration,** Miles Cary Johnston, Jr. • **General Contractor,** Conquest, Moncure & Dunn, Inc. • **Photography,** Kenneth E. Bunch.

A growing athletic program rapidly expanding into several areas of indoor activities and a need to provide adequate space for very crowded existing facilities, were the main factors leading The Collegiate Schools to plan the development of this new building.

Located in a suburban area of metropolitan Richmond, in Henrico County, The Collegiate Schools occupy an area of approximately 50 acres. Fields for football, track, baseball, soccer, lacrosse and field hockey are of prime importance to the outdoor sports program. It was, therefore, very important to limit the new building area to a location where none of these major fields would have to be sacrificed.

The existing gymnasium, built in the early 1960s, was the major athletic facility for the entire school. In it were housed physical educa-



tion programs, team sports for both boys and girls as well as all the accessory facilities such as coaches' offices, training room, visitors' lockers, weight training and storage.

It was decided early in the planning process to use an area adjacent to the existing gymnasium in an effort to attain two goals:

1. To centralize all the main facilities in one area convenient to all the playing fields and, in effect, make the two buildings work as one.
2. To limit the amount of land used by the new building, thus preserving the playing fields.

Space needs were listed and priorities established. When these were compared against the construction budget goal, it was determined that the complete long range project would have to be built in two phases. After several schematic studies prepared by the architects, an interesting development evolved. Instead of erecting a large building for the activities requiring a high ceiling and an attached, low roof structure for the locker and shower facility, the architects presented a scheme which, although slightly more ambitious in scope and cost, offered the potential of building most of the facilities proposed for both Phase I and the future Phase II. This plan was eventually approved and built.

The two major, high-ceiling areas (Gymnastics and Basketball) were divided. Separating them, a two-story central core was developed to include the originally proposed locker/shower, offices, training room and storage areas on the

first floor and now, a second floor area to house Phase II needs such as wrestling room, weight training room, a classroom and a complete dance and aerobics studio.

At the first floor level, two 12-foot-wide passages were incorporated to allow for entrances and circulation, at the same time creating an indoor jogging track as well as a 50-yard-dash run.

Space demands on the original gymnasium have now diminished greatly and renovation work has provided needed space for a central laundry facility as well as a new visiting team locker room.

Collegiate is now able to handle a very wide variety of activities between the two buildings. The large multi-purpose space in the new building is designed to accommodate basketball, tennis, volleyball, indoor practice area for lacrosse, field hockey and soccer, pole vaulting/high jump, as well as allowing the school to schedule special events with a seating capacity of 1,300 people.

The use of insulated translucent panels at the north and south ends of the building, together with roof skylights, allows for a great reduction in energy use by providing plenty of natural daylight. This creates a cheerful and bright atmosphere throughout the entire building. The school colors have also served to enhance this feeling, as they were used to set the general color scheme on the athletic carpet flooring material as well as applied graphics throughout.

Conquest, Moncure & Dunn, Inc. of Richmond was general contractor and handled excavating and carpentry.

SUBCONTRACTORS & SUPPLIERS

(Richmond firms unless noted)

F. G. Pruitt, Inc., paving contractor, earthwork & site utilities; Frank N. B. Thomas Concrete, Glen Allen, concrete contractor; Bowker & Roden, Inc., reinforcing; Massey Concrete Corp., concrete supplier; Southern Brick Contractors, Inc., masonry supplier; Liphart Steel Co., Inc., steel supplier/erection/joists/roof deck, grating & other roof deck; N. W. Martin & Bros., Inc., built-up roof, other roofing & roof insulation; and Ruffin & Payne, Inc., millwork.

Also, E. S. Chappell & Son, Inc., caulking; PPG Industries, Inc., glass & glazing contractor; Roanoke Engineering Sales Co., Inc., metal doors & frames; Richmond Glass Shop, Inc., window wall; Pleasants Hardware, hardware supplier; F. Richard Wilton, Jr., Inc., Ashland, plaster contractor & gypsum board contractor; H. E. Satterwhite, Inc., ceramic tile; Manson & Utley, Inc., acoustical treatment & resilient tile; Warthan School Equipment Co., Inc., Hopewell and Costen Floors, Inc., special flooring; Glidewell Bros., Inc., painting contractor; W. H. Stovall & Co., Inc., Ashland, specialties; Catlett-Johnson Corp., plumbing/heating/ventilating/air conditioning contractor; and The Howard P. Foley Co., electrical contractor.

Equipment was by the following firms: Republic Steel Corp.; Schalow Manufacturing Co., Inc., Powhatan; Virginia School Equipment Co.; J. S. Archer Co., Inc.; and Vern Mitchell & Associates.



A PROFESSIONAL CORPORATION

Randall A. Strawbridge Inc.

Consulting Structural Engineers
Buildings — Bridges — Special Structures

RICHMOND, VIRGINIA 23221

15 SOUTH AUBURN AVENUE (804) 355-7887

Structural Engineer
for

The Collegiate Schools Athletic Complex

DODD BROTHERS, INC.

PLASTERING, DRY WALL AND FINESTONE
CONTRACTORS

P. O. BOX 251

PHONE 703-560-1310

FALLS CHURCH, VIRGINIA 22046

SCHNABEL
ENGINEERING
ASSOCIATES

Consulting Geotechnical Engineers and Geologists

Baltimore, MD
Bethesda, MD

One West Cary St.
Richmond, Va. 23220
804-649-7035

West Chester, PA
Newport News, VA

Anchor of Hope Family Center

Frantz & Chappelle—Architect

Location: High Street Baptist Church, Roanoke

Interior Designer, Frantz & Chappelle • Structural Engineer, Richard L. Williams • Mechanical/Electrical Engineer, Charles D. Keffer, II • General Contractor, Branch & Associates, Inc. • Photography, Frantz & Chappelle.

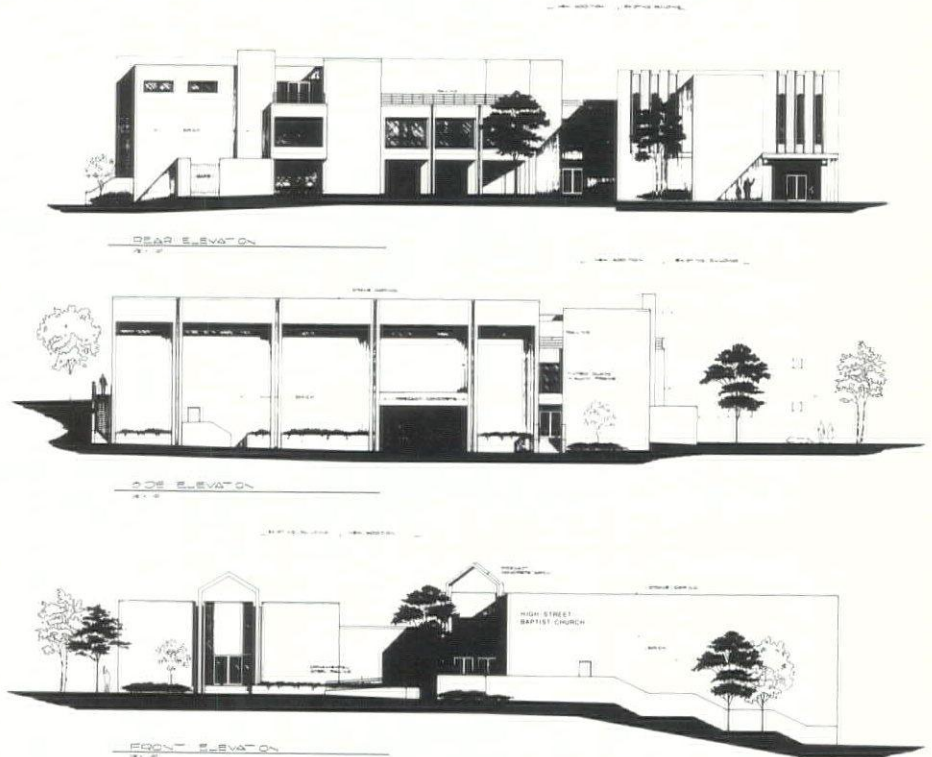
High Street Baptist Church, which moved from downtown Roanoke to the present location in 1971, will celebrate its centennial anniversary in November 1985. Completion of the Family Center will be the highlight of the church's celebration. The church's pastor, Dr. Noel C. Taylor, who is also mayor of Roanoke, says that the Center will permit the church to better serve the religious, cultural, social, and recreational needs of its members and the community.

The three-story, 28,000-sq.-ft. building is being constructed on a gently sloping site, adjacent to the existing church. The two structures will be connected at the first and second floor levels by an enclosed corridor. At the rear, the new structure will be separated from the existing building by an open court enclosed with a steel rail fence. The landscaped site will provide parking for 115 vehicles.

The first floor of the Center will have a library, choir rehearsal and recording facilities, a credit union suite, arts and crafts center, assembly rooms with an outdoor covered terrace, locker and shower facilities, and mechanical equipment space. The major feature of the second floor will be a gymnasium which will have a regulation-size basketball court and will provide facilities for roller skating and other indoor sports. The multi-purpose space will have an elevated stage, exercise room and complete kitchen with serving and dishwashing facilities. The gym floor will accommodate 400 for meetings and 380 for banquets.

The church offices, security and control center, pastor's study and conference room, TV and game parlor, and lounge areas will also be located on the second floor. The third floor, which will be served by the elevator, will have a paved outdoor roof terrace for meetings and dining, and an apartment for visiting dignitaries.

The structural system is steel frame with concrete floor slabs. Exterior walls are brick, steel studs and drywall, and concrete masonry units. Interior partitions are steel studs with drywall, and concrete masonry units. Floor finishes are stone, wood, quarry tile and vinyl asbestos tile. Ceilings are acoustical tile and drywall. Exterior entrances and windows are aluminum with insulating glass. Interior doors are wood with steel frames. The building is heated and cooled with heat pumps.



Branch & Associates, Inc. of Roanoke is general contractor and is handling concrete work, and carpentry.

SUBCONTRACTORS & SUPPLIERS (Roanoke firms unless noted)

Thomas Brothers, Inc., Salem, excavating; Adams Construction Co., paving contractor; Bolling Steel Co., Inc., Salem, steel supplier/joists/roof deck; Concrete Ready Mixed Corp., concrete supplier; Masonry Contractors, Inc., Salem, masonry contractor; Webster Brick Co., masonry supplier; Fabricated Metals Industries, Inc., miscellaneous metal; and Blankenship Roofing Co., Inc., roofing, roof insulation & sheet metal.

Also, D.S.R. Supply & Millwork Co., millwork & wood doors; J. H. Pence Co., cabinets, lockers & basketball backstops; Seager Waterproofing Co., Greensboro, NC, waterproofing & caulking;

W. H. Stovall & Co., Inc., glass & glazing contractor, windows & window wall; Seybar, Inc., Martinsville, hardware supplier, metal doors & frames & roll-up grille; Baird Drywall & Acoustic, Inc., gypsum board contractor & acoustical treatment; and Whitt Carpet & Tile Service, Inc., Salem, ceramic tile & stone flooring.

Others are, Costen Floors, Inc., Richmond, wood flooring; Star City Painting Contractor, painting contractor; Devoe & Reynolds Co., Inc., paint supplier/manufacturer; Dover Elevator Co., Greensboro, NC, elevator; Magic City Sprinkler, Inc., sprinkler contractor; Valley Air Conditioning Corp., plumbing/heating/ventilating/air conditioning contractor; Mason H. Littreal Electrical Contractor, Inc., electrical contractor; Davis Products Co., Dowagiac, MI, kitchen unit; Marcor Associates, Inc., Midlothian, skylight; Stout Door Corp., Salem, toilet partitions & accessories; John N. Yauger & Co., folding partitions; and John W. Taylor Co., Port Washington, MD, scoreboard.

Adams Construction Co.

Specializing in
ASPHALT SURFACING

For

- HIGHWAYS • AIRPORTS
- PARKING LOTS • DRIVEWAYS

Phone 703-345-0404
2725 Roanoke Avenue, S.W.
ROANOKE, VIRGINIA 24015

*Proud Participant in the Construction
of the Anchor of Hope Family Center
for High Street Baptist Church.*

Village

CARPETS & INTERIORS — 449-7600

6504 Old Branch Avenue, Camp Springs, Maryland

"Serving the entire Metro-Washington Area"

MAYS ELECTRIC CO.

Electrical Contractors

St. Reg. #18042

Phone 528-3332

P.O. Box 11346

Lynchburg, Virginia 24506

**VALLEY AIR CONDITIONING
CORP.**

Carrier

Mechanical Contractors — St. Reg. #8205

Phone 703-344-6238 — 1115 Patterson Ave. SW — Roanoke, Va. 24016

Magic City Sprinkler, Inc.

FIRE PROTECTION SYSTEMS St. Reg. #11424

1601 Granby Street, N.E., Roanoke, Va. 24012 703/345-9818

After Hours Phone 703/345-7974 or 703/981-0191

Masonry Contractors, Inc.

Masonry Contractors

St. Reg. #7895

COMMERCIAL—INDUSTRIAL—INSTITUTIONAL

Telephone 389-8616

P.O. Box 992, Salem, Va. 24153

T M S MILLWORK

*Architectural
Millwork*

Phone 804-643-5073

Richhmond, Virginia

*Proud Participants
on
Glen Lea
Elementary School
Currently Featured*

McKINNEY AND WALKER

Consulting Engineers

100 SOUTH RAILROAD AVENUE • POST OFFICE BOX 805 • ASHLAND, VIRGINIA 23005 • 804-798-1451

ARTHUR W. McKINNEY, P.E.

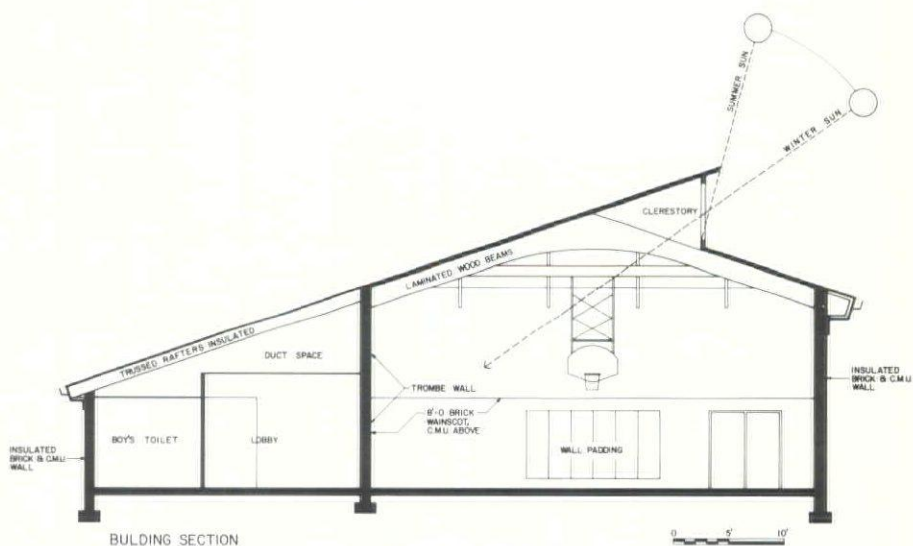
BENJAMIN R. WALKER, P.E.

Glen Lea Elementary School

Joseph Ladd & Associates, Architects

Multi-purpose addition • Location: Henrico County

Project Architect/Designer & Interior Designer, Joseph Ladd & Associates • Civil Engineer, Jordan & Hutcherson, Inc. • Structural Engineer, McKinney & Walker • Mechanical/Electrical Engineer, Roache, Mercer & Faison, Inc. • Geotechnical Engineer, Froehling & Robertson, Inc. • General Contractor, R. I. Contractors Co., Inc. • Photography, Whitney Cox.



PROGRAM

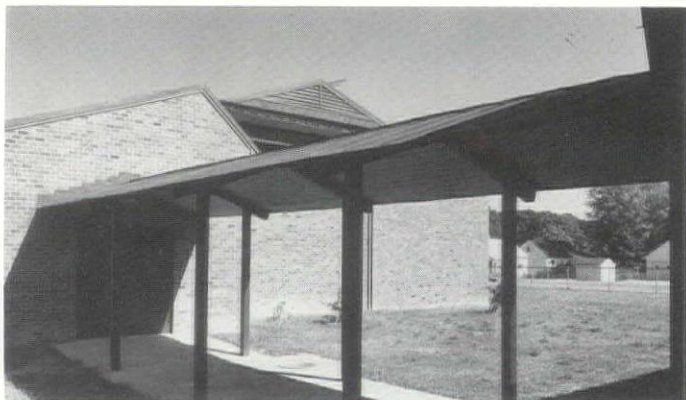
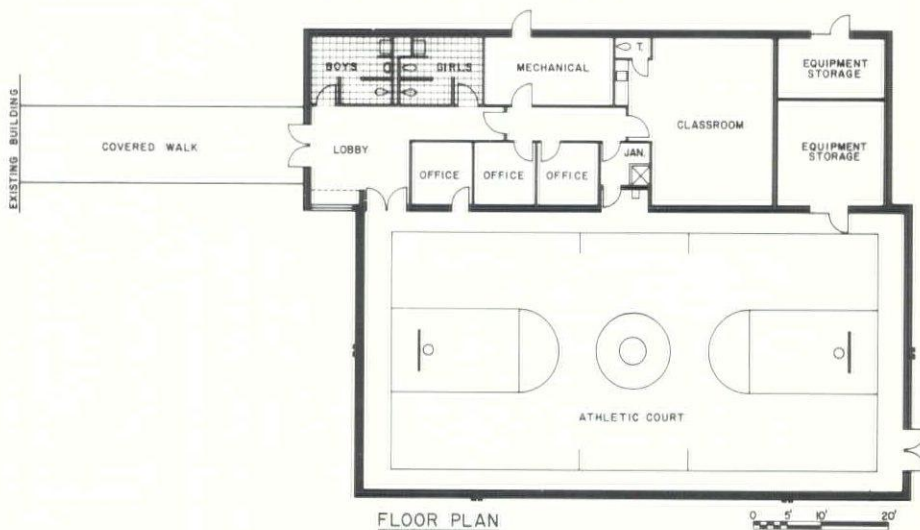
Create a multi-purpose and classroom facility to accommodate students and neighborhood activities.

SITE

Flat land with unrestricted southern exposure located adjacent to the intersection of Laburnum and Austin Avenues in eastern Henrico County.

SOLUTION

One of the prime design considerations was to take full advantage of the southern exposure. Thus, this is the first passive solar application for Henrico County Public Schools. Clerestory fenestration in winter permits the sun to penetrate the building. This thermal load is absorbed and stored in a warm, pecan-colored brick wainscot running the full length of the building. In late afternoon and evening this heat is released which provides over 15% of the total annual energy required to maintain a proper



interior environment. Such savings will continue to be realized year after year. No premium cost was incurred by virtue of the passive solar design.

A covered walkway connects the multi-purpose spaces to the existing facility.

Controlled bus loading/unloading and new parking areas complement the site.

The project was completed in February 1984.

CONSTRUCTION CREDITS

R. I. Contractors Co., Inc. of Richmond was general contractor and handled foundations, concrete work, foundation insulation, carpentry, millwork and gypsum board installation.

SUBCONTRACTORS & SUPPLIERS

(Richmond firms unless noted)

J. E. Liesfeld Contractor, Inc., excavating, landscaping materials & landscaping contractor; Blakemore Construction Corp., paving contractor; Bowker & Roden, Inc., reinforcing; Richmond Ready-Mix Corp., concrete supplier; C. A. Guard Masonry Contractor, Inc., masonry contractor/supplier, mortar & wall insulation; Hanover Fabricators, Ashland, roof deck; Browning Steel Co., Inc., miscellaneous metal; N. W. Mar-

tin & Bros., Inc., roofing; and TMS Builders Supply, cabinets & wood doors.

Also, E. S. Chappell & Son, Inc., caulking; J. S. Archer Co., Inc., metal doors & frames, windows & hardware supplier; Kalwall Corp., Manchester, NH, window wall; H. E. Satterwhite, Inc., ceramic tile; L & M Tile & Floor Covering Co., Inc., Highland Springs, acoustical treatment & resilient tile; Street & Branch, Inc., painting contractor; Hanover Mechanical, Inc., Glen Allen, sprinkler/plumbing contractor & plumbing fixture supplier; Mayhew & Chalkley, Inc., Ashland, heating/ventilating/air conditioning contractor; and Dominion Electrical, Inc., Ashland, lighting fixtures/electrical equipment supplier & electrical contractor.

John A. Hall & Co., Inc.

Paving Contractor

St. Reg. #4525

703/774-4441

4925 Starkey Rd., SW
Roanoke, Va. 24014

Superior Service Co.

HEATING & AIR CONDITIONING

"Serving Fauquier, Loudoun &
Rappahannock Counties"

Residential — Commercial

All Makes — Gas, Oil, Electric Hot Air
Heat Pump Specialists

Free Home Survey

Call 788-9886 or 937-4233

Amissville, Va. 22002

Payne & Payne Construction Company

General Contractors

St. Reg. #21941

Commercial—Industrial

Phone 804-292-4487

Route 460 East
P.O. Box 438
BLACKSTONE, VA 23824

Q. M. TOMLINSON, INC.

St. Reg. #274

General

COMMERCIAL

Contractors

INDUSTRIAL

Phone 703-345-0997

601 First Federal Bldg.

Roanoke, Va. 24011

H. T. BOWLING, INC.

Contractor

ST. REG. #9500

Commercial

Industrial



Highway

Public Utilities

EXCAVATING — GRADING — LANDSCAPING — STORM DRAINS

Phone 703-639-9621

Route #2, Radford, Va. 24141

HARRIS-TARKETT, INC.

ROANOKE DIVISION

IN HARDWOOD FLOORING, IT'S

random
width
plank



special
pattern
parquet

P. O. BOX 4397

PHONE 703/342-3471

ROANOKE, VIRGINIA 24015

Richard L. Williams Consulting Engineer

Civil—Structural—Sanitary
4919 Colonial Avenue, S.W.
Roanoke, Va. 24018
703/774-5706/774-7656

Member of



Consulting Engineers Council
of Virginia, Inc.

We are extremely proud of our work as
Consulting Structural Engineers for Smith Mountain
Lake State Park, Phase I and Anchor of Hope Family
Center at High Street Baptist Church, currently featured.

Smith Mountain Lake State Park

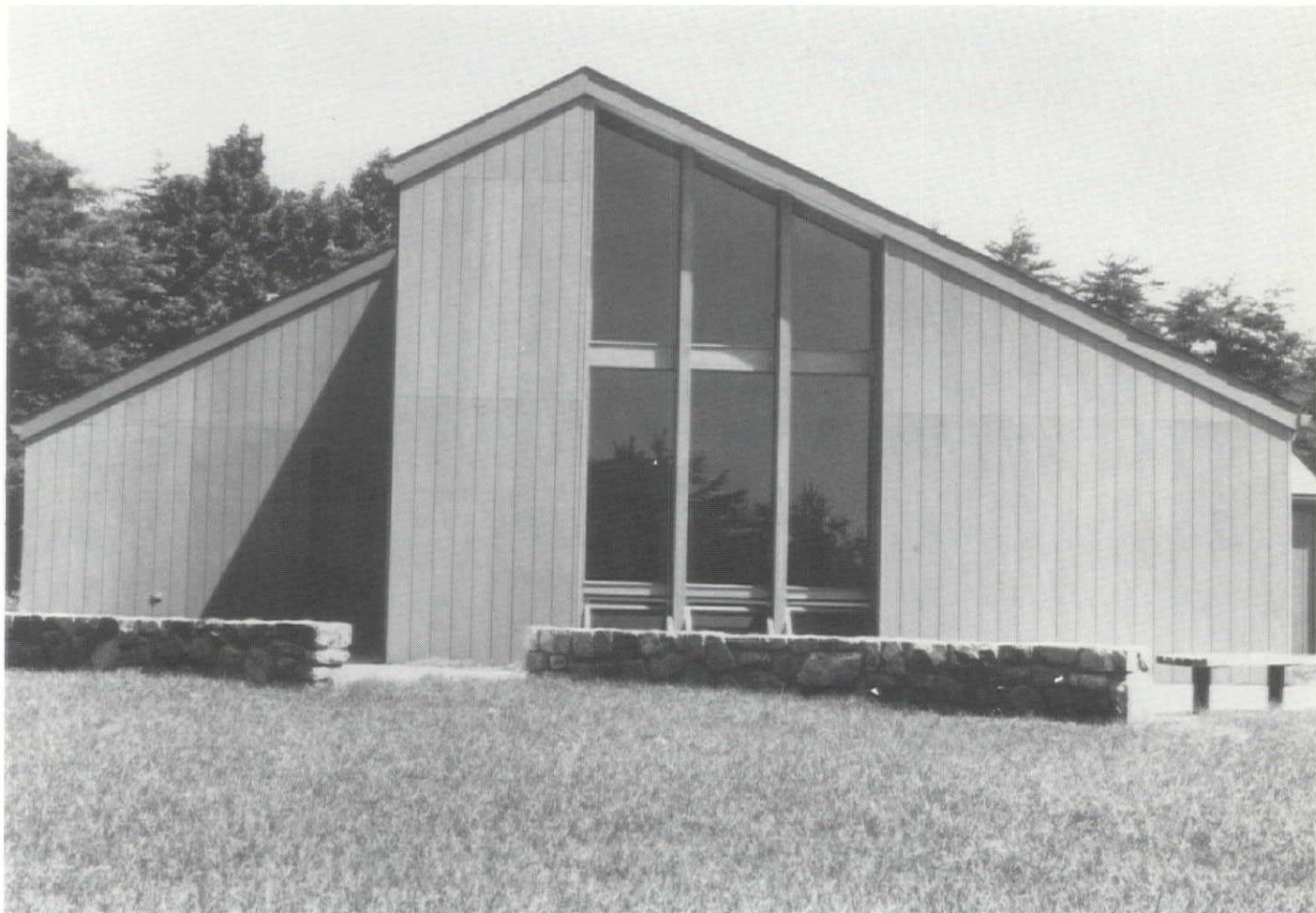
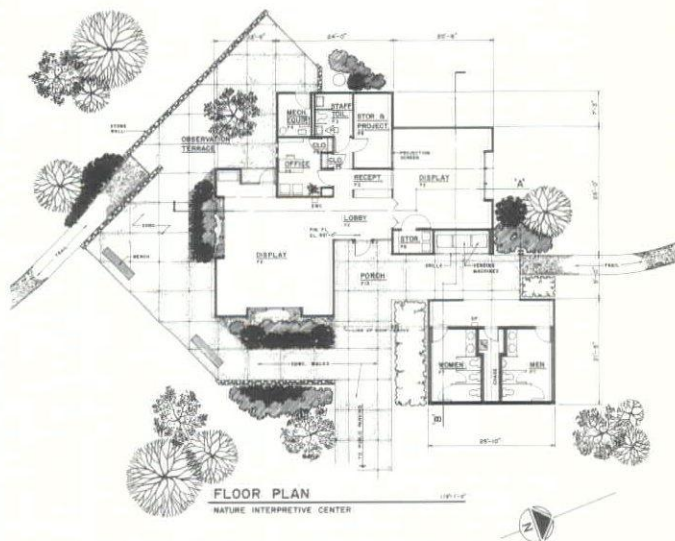
Frantz & Chappelle—Architect

Phase I • Location: Bedford County

Interior Designer, Frantz & Chappelle •
Structural Engineer, Richard L. Williams •
Mechanical/Electrical Engineer, Sowers,
Rodes & Whitescarver • General Contractor,
H. A. Gross, Inc. • Photography, Frantz &
Chappelle.

Smith Mountain Lake State Park is located 35 miles southeast of Roanoke in Bedford and Franklin counties on 1,227 acres of heavily wooded rolling land. The park site consists of a number of peninsulas, irregular in shape, fronting on the man-made 20,000-acre Smith Mountain Lake developed by Appalachian Power Company. The park is a natural haven for wildlife, including deer, turkey, grouse and rabbits, and boating and fishing are major attractions of the lake. Access to the park is via Virginia Route 626.

One of the major objectives in developing the master plan for the park was to retain the natural character and beauty of the area, and, at the same time, provide adequate and easily accessible facilities for the use of visitors. All projects



were carefully located to blend with the topography and landscape, and utilities were routed so that they would not disturb the natural setting. Grading was held to a minimum, and trees and vegetation were removed only to the extent necessary to provide visual contact with the lake and surrounding mountains.

Phase I projects include an entrance contact station, park office, staff residence, maintenance area, nature interpretive center, boat launch facilities, comfort stations, picnic areas, nature trails, road improvements, and site development. Future projects will include camping sites, a bath house and swimming facilities, a marina, play areas, and additional comfort stations, picnic areas, nature trails and parking facilities.

The buildings are small in scale and were designed to blend with the surrounding area. The structures are wood frame with concrete slabs on grade. Exterior materials are rough textured plywood siding with a semi-transparent stain finish; heavily textured asphalt roof shingles; and doors, windows, roof fascias and overhangs of painted wood. Interior parti-

tions are painted concrete masonry units and drywall. Floor finishes are vinyl asbestos tile and quarry tile. Ceilings are acoustical tile and painted drywall. Interior doors are wood with steel frames. The buildings are heated and cooled with electric units. Domestic water is supplied by wells with storage tanks. Well water systems are enclosed in well houses designed to harmonize with the other buildings, and storage tanks are screened with vertical wood board fences.

H. A. Gross, Inc. of Roanoke was general contractor and handled plumbing, heating, ventilating and air conditioning.

SUBCONTRACTORS & SUPPLIERS

Russell Short, Inc., Vinton, grading; John A. Hall & Co., Inc., Roanoke, paving contractor; Bedford Ready Mix, Bedford, concrete supplier; Lightweight Block Co., Inc., Lynchburg, masonry manufacturer; Curtis Jyap, stonework contractor; Valley Roofing Corp., Roanoke, built-up roof; Johns-Manville, roofing shingles; Owens-Corning Fiberglas, roof/wall/foundation insulation; and McClung Lumber Co., Salem, structural wood, millwork, cabinets, wood doors & plywood siding.

Also, Tremco Maintenance Service Corp., Cleveland, OH, caulking; Martinsville Glass Co., Martinsville, glass; Fenestra Corp., Erie, PA, metal doors & frames; Pella Window & Door Co., Greensboro, NC, windows; Cates-Context Co., hardware supplier; Harman Ceiling & Partition Co., Roanoke, plaster contractor, gypsum board contractor & acoustical treatment; Anderson Tile Co., ceramic tile; W. E. Donald, Vinton, painting contractor; Devoe & Reynolds Co., Inc., Roanoke, paint supplier; and Tomlinson Fire Protection System, Roanoke, sprinkler contractor.

And, Warner Supply Corp., Roanoke, plumbing fixture supplier; Westinghouse Electric Supply Co., Roanoke, lighting fixtures/electrical equipment supplier; Jarrett Electric Co., Inc., Roanoke, electrical contractor; Overhead Door Co. of Roanoke, Roanoke, overhead doors; Superior Exterminating Co., Inc., Roanoke, soil treatment; Rosenbaum of Roanoke, Inc., Roanoke, toilet partitions & accessories; Marinas Internationale, Ltd., McLean, boat dock; Mitchell Engineering Co., Rocky Mount, NC, prefabricated metal building; Mod-U-Kraf Homes, Inc., Rocky Mount, VA, prefabricated modular house; Powers Fence Co. of Roanoke, Inc., Roanoke, fencing; and The Airlite Co., Marietta, OH, steel louvers.

JARRETT ELECTRIC COMPANY, INC.

Electrical Contractors

703-343-4113

820 5th St., S.W., Roanoke, Va. 24026

Commercial—Industrial

Industrial Repair Wiring

*Electrical Contractor for the
Smith Mountain Lake State Park—Phase I*

Home Equipment Company, Inc.

GENERAL ELECTRIC APPLIANCES

Phone 804-748-5821

4100 W. Hundred Rd., Chester, Va. 23831

Service Contracting of Virginia Inc.

Painting & Plastering
Commercial—Industrial

Route 8, Box 96-F, 114 Office Bldg.

Phone 703-382-6169

Christiansburg, Va. 24073

DUNBAR, MILBY & WILLIAMS CONSULTING STRUCTURAL ENGINEERS

611 MOOREFIELD PARK DRIVE, SUITE A
RICHMOND, VIRGINIA 23236
804/323-0656

P.O. BOX 76, 110 THIRD STREET, N.E.
CHARLOTTESVILLE, VIRGINIA 22902
804/293-5171

SOME PEOPLE RETIRE WITH MORE THAN JUST A GOLD WATCH.

You work hard all your life and what do you get?

Well, depending on where you work, you could get cancer.

Over the next several years the American Cancer Society will be conducting more research into certain lifestyles and exposures which could increase cancer mortality.

So know the risks.

Don't smoke. Look for the warning signs of cancer.

And retire not only with a gold ticker.

But a healthy one, also.



How you live may save your life.

This space contributed as a public service.

Eddy Dalton Campground

Michael J. Bednar, AIA, Architect

Phase I • Location: Central Virginia Training Center, Lynchburg

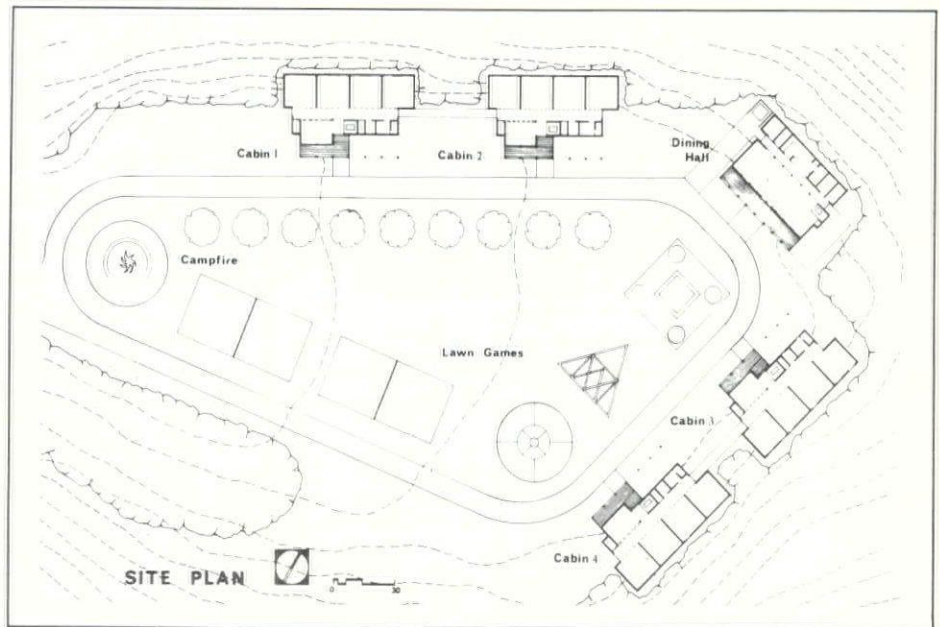
Landscape Architect, E. I. Design Associates •
Structural Engineer, Dunbar, Milby & Wil-
liams • General Contractor, Smith-Wimer,
Inc. • Photography, Michael J. Bednar, AIA.

For the mentally handicapped, the recreational value of a campground experience is an important relief from the discipline of the institutional setting. Added to this is the value in terms of training, education and therapy. At The Central Virginia Training Center, small groups of residents were transported to nearby campgrounds to benefit from this experience. With the support of parent groups, Eddy Dalton (the Governor's wife), and the professional staff, the concept to develop a campground on an eight-acre corner of the institution's grounds was initiated.

Since the project was largely without precedent in this county, a complete programming and master planning study was necessary. This entailed a user needs assessment of this unique population group and an activity analysis to implement the goals and objectives of the project. Staff meetings, workshops and surveys were conducted to develop the campground program. Parallel in time, a thorough site analysis was conducted, encompassing the topography, visual qualities, existing conditions, vegetation and site suitability. The Master Plan developed from this process zoned activities according to dominant site characteristics with the residential facilities around a level plateau, the physical games in a large open field, and the nature trails within the wooded slopes along the stream which bordered the site. The buildings included in this Master Plan were four cabins, a dining hall, a family lodge, and an open air pavilion.

The presently constructed Phase I of this project includes two cabins, the dining hall and basic site work (roads, lawns and utilities). The placement of buildings reinforces the definition of the central green by nestling in the mature woods which define it. The dining hall is located at the apex of this triangular green which now accommodates the campfire and lawn games. In the future, it will contain a spray pool and specially designed play equipment. A drive circles this zone and provides required vehicular access for transporting residents, food and equipment.

Each building has a porch which faces the green to provide transition from outside to inside and to establish architectural continuity from building to building. The cabins are spatially layered





from public to private, proceeding from porch to living room to hallway to bedrooms, which face the woods. Each cabin accommodates 24 ambulatory residents (one institutional ward) in bunk beds or 12 non-ambulatory residents in single beds. The dining hall which seats 30 will not be enlarged in Phase II, but will instead utilize several shifts. Its main room can be used for many kinds of large group activities including

movies, dances and parties. Every aspect of all buildings has been designed to be barrier-free for non-ambulatory and otherwise handicapped residents.

Architecturally, the buildings are of a vernacular, residential character with shed roofs and vertical grooved fir plywood siding. The cabins have articulated massing and asymmetric

facades to reduce their scale, whereas the dining hall has simplified massing and a symmetrical facade, to heighten its significance as the focal building. Interiors are rustic and spatially open with high sloped ceilings and exposed laminated beams in the dining hall. Walls and ceilings are covered with vertical grooved, pine plywood paneling which was treated with fire retardant before staining. The buildings have no mechanical systems in order to reduce the construction cost, preserve the campground quality, and reduce operating energy. The campground operates for 10 months a year with heating from wood stoves and natural cross ventilation via louvers or windows placed high in the spaces. Phase I was completed in the summer of 1983 for a base cost of \$126,000 or \$22.22 per constructed square foot.


Smith-Wimer, Inc. of Lynchburg was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

(Lynchburg firms unless noted)

Taylor Brothers, Inc., millwork, windows & framing lumber; Bailey-Spencer Hardware Co., Inc., builders hardware; Frazier's Furniture & Appliances, appliances; England's Stove Works, Inc., wood stoves; Rocco Building Supplies, Inc., Harrisonburg, shingles & sheet metal; Lynchburg Ready Mix Concrete Co., Inc., concrete; and Lee's Lines, Ltd., Roanoke, toilet accessories & specialties.

Also, Mole Excavating, Monroe, grading; Pribble Plumbing, Inc., Forest, site utilities; Torrance's Plumbing Co., plumbing; Crist Electrical Contractor, Inc., Forest, electrical; The Floor Show, Inc., tile; Bernard E. Almond, Inc., painting; Ralph Moseley, Inc., insulation; Kidd Roofing Co., Madison Heights, roofing; Maintenance Sheet Metal, Inc., Roanoke and Action Fire Protection Co., fire suppression system; Marvin V. Templeton & Sons, Inc., paving; and Sherwin Williams Co., wallpaper.



PAINTING

408 West Broad St.

*Electrostatic
Metal Furniture Repainting
On Site*

RICHMOND, VA.

WALLCOVERING

804-643-6658

LAWHORNE BROTHERS, INC.

Paving Contractors

Phones (804) 239-8821 and 239-4314

Lawyers Road, Lynchburg, Va.


Virginia Reproduction & Supply Co., Inc.

- White Prints Blue or Black Line
- Survey Instruments-Rentals & Repairs
- Drafting Supplies Equipment & Furniture

- Geological Survey Maps & Nautical Charts
- Photo Enlargements & Reductions
- Xerographic Copying Service

9 W. Cary St. (Main Office) • 804 643-9116

1563 Parham Rd. • 804/285-7315



DEALER

500 Research Rd. • 804/794-4646

Corte Company, Inc.

*General Building
Highway & Public Utility
Construction*

Phone 703/322-5491

**P.O. Box 1808
Bluefield, W. Va. 24701**

*We are proud of our work as
General Contractor for the VDHT
Rest Area/Information Center
currently featured*

VDHT Rest Area—Information Centers

Carneal & Johnston, Architects & Engineers, PC

Location: Interstate 77, Bland & Carroll Counties

Project Architect/Designer, Carlos H. Costas • Landscape Architect/Site Engineer/Surveyor, Virginia Department of Highways and Transportation (VDHT) • Structural Engineer, Carneal & Johnston • Mechanical/Electrical Engineer, CEK, Inc. • General Contractor, Corte Company, Inc. • Photography: Bland County—VDHT; Carroll County—Kenneth E. Bunch.

PROGRAM

The Virginia Department of Highways and Transportation, in expanding their net of interstate highway rest areas and visitor information centers, wished to add two new units in southwest Virginia. Part of the program criteria was a desire to depart from the present design standard and develop a building that would be representative of that geographic area.

SITE

The two sites involved are both along Interstate 77, one in Bland County at the West Virginia state line and the other in Carroll County at the North Carolina state line.

DESIGN SOLUTION

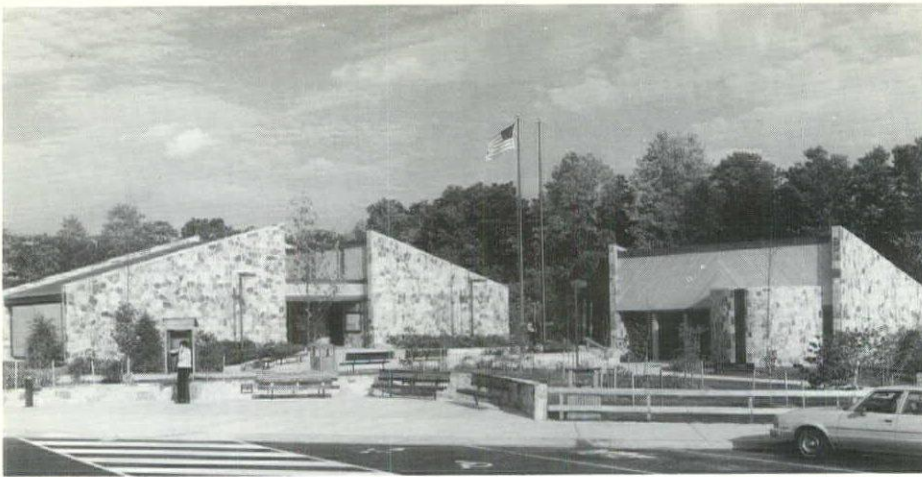
Each complex consists of two separate buildings; the rest-room building and the information building. In each case, the arrangement of the buildings on the site varied due to topographical differences. The buildings are served by convenient and ample parking facilities as well as an attractively landscaped picnic area.

The basic building shape is reminiscent of farm buildings and it was decided early in the design stages to utilize stone and wood as the main building materials.

In the information building, the main space is devoted to making the visitor aware of the special attractions in the area as well as other areas

BLAND COUNTY





CARROLL COUNTY

of Virginia and for the distribution of printed, informational material by the staff of the Virginia Division of Tourism. Office and administrative spaces comprise the remaining space in the building. The large glass area in the main public space allows a fine view to the surrounding landscape as well as the nearby mountains.

The photographs in this article show both the Bland and Carroll facilities. The Bland complex recently received an Award of Excellence from the Federal Highway Administration.

The general contractors were Corte Company, Inc. for Bland County and John S. Clark Co., Inc. for Carroll County.

CONSTRUCTION CREDITS

Corte Company, Inc., of Bluefield, WV, general

contractor for the Bland County complex, also handled excavating, foundations, concrete work, reinforcing, steel erection, carpentry, and caulking.

The owner, Virginia Department & Highways & Transportation, handled landscaping and paving.

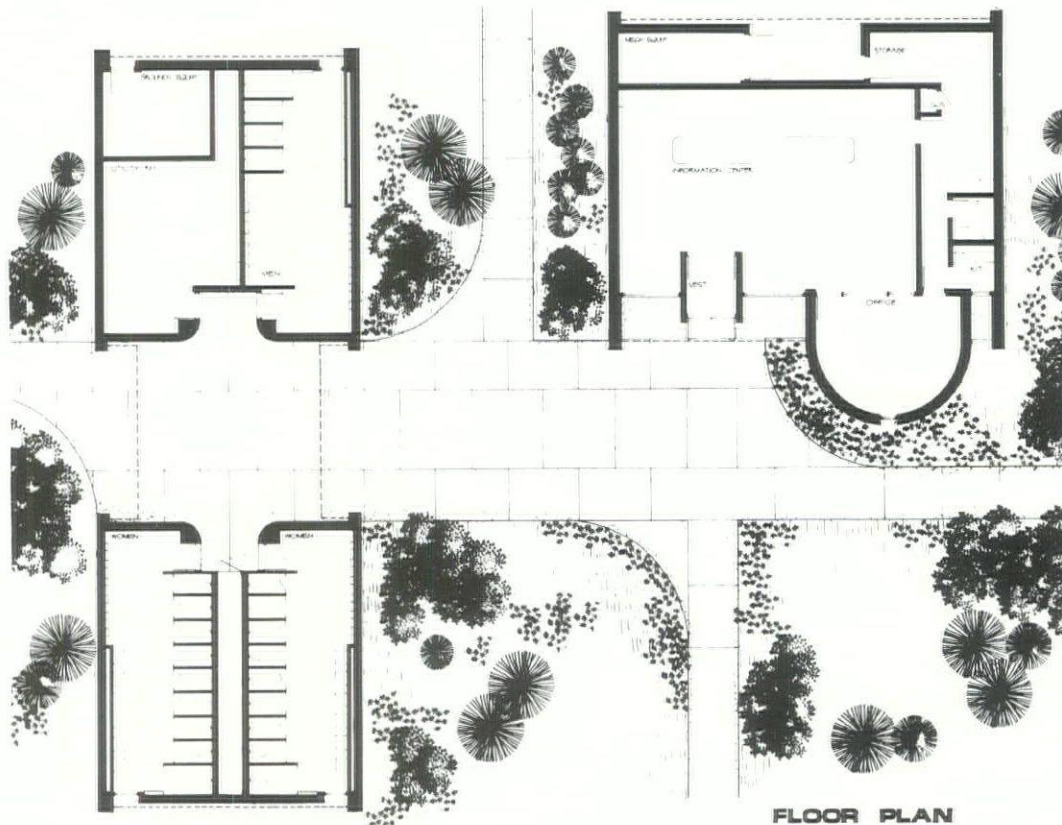
SUBCONTRACTORS & SUPPLIERS

Bland County

United Transit Mix Concrete Corp., Bluefield, VA, concrete supplier; C. W. Martin & Son, Princeton, WV, masonry contractor, stonework contractor & stonework supplier; General Shale Products Corp., Glasgow, masonry manufacturer; Lone Star Cement, Inc., Columbus, OH, mortar; Platnick Steel & Engineering, Inc., Blue-

field, VA, steel supplier/joists, miscellaneous metal & handrails; Wheeling Corrugated, Wheeling, WV, steel roof deck; Karl H. Frye, Inc., Bluefield, WV, built-up roof, other roofing & sheet metal; Bailey Lumber Co., Bluefield, WV, structural wood & millwork; and Nick's Inc., Bluefield, WV, cabinets.

Also, PPG Industries, Inc., Roanoke, glass; Wayne P. Lockhart, Inc., Bluefield, VA, gypsum board contractor; HIVA of Roanoke, Inc., Roanoke, acoustical treatment & resilient tile; C. Raymond Perdue & Son Painting & Wallpaper Contractor, Bluefield, WV, painting contractor & wall covering; Galax Plumbing & Heating Co., Inc., Galax, plumbing/heating/ventilating contractor; and Cross Electric Co., Inc., Roanoke, electrical contractor.



British Country House Designs Exhibition at the Octagon Museum November 1985 – April 1986

The first exhibition ever of British country house designs will be held from November 5, 1985, through April 6, 1986, at The Octagon Museum, the historic house and architecture museum operated by The American Institute of Architects Foundation.

Ninety superb architectural drawings are featured in the exhibition, "The Architect and the British Country House, 1620-1920," which focuses on the style and character of 300 years of country house development. The exhibition complements the National Gallery of Art's "The Treasure Houses of Britain: Five Hundred Years of Patronage and Art Collecting," which features decorative arts and paintings displayed in country houses. "The Architect and the British Country House, 1620-1920," describes the houses themselves through original drawings of exterior and interior views.

The country house is Britain's most important contribution to the architecture and design of Western civilization. It flourished in Britain and for centuries was an admired prototype, particularly in the United States.

The time span covered by the exhibition, 1620 to 1920, was determined by two events: Inigo Jones's influential classical design for Newmarket Palace (completed just after his second trip to Italy in 1615) and the close of World War I, which heralded the end of the era of the great country house.

John Harris, distinguished curator of the Drawings Collection of the Royal Institute of British Architects, is the exhibition's guest curator. "Surprisingly, not even in England has there ever been a survey exhibition covering the years 1620 to 1920, the great period of country house building," said Harris. "It is also remarkable that, in many instances, the architects' original designs still survive," he added. Most of the drawings have never been exhibited previously.

Drawn chiefly from private sources such as the Drawings Collection of the Royal Institute of British Architects, Chatsworth House, Holkham Hall and Elvetham Hall, the drawings are by some of the world's greatest architects, who changed the course of architectural and interior design. Significant works include those by Sir John Vanbrugh for Castle Howard, recently featured in the PBS series "Brideshead Revisited"; Robert Adam for Barnbougle Castle; Sir William Chambers for Buckingham House; Inigo Jones for Wimbledon Palace and Somerset House; Sir Edwin Lutyens for Ashby St. Ledgers; Sir John Soane for Teynham Hall; and Sir Christopher Wren for Hampton Court Palace.

Many of the homes featured in the exhibition still serve as private family residences. However, several of the grand estates are open to the public and attract thousands of visitors per year.

Examples of the old-fashioned Jacobean style begin the exhibition and are followed by drawings of the contrasting Italianate Classicism of Inigo Jones, known as the First Stuart Court style, and by drawings of Sir Christopher Wren's Hampton Court Palace.

The Baroque country house is represented by Sir John Vanbrugh's designs for Castle Howard and Nicholas Hawksmoor's Wotton House. Neo-Palladianism and Neoclassicism are illustrated by designs by Robert Adam, James Wyatt and George Stuart. From this eclectic period emerged the great Victorian country house, represented here by architects George Devey and Norman Shaw. The exhibition closes with early 20th-century country houses by the renowned Sir Edwin Lutyens.

A lavishly illustrated book written by Harris and jointly published by Trefoil Press and the AIA Press will accompany the exhibition.

After its Washington, D.C., showing, "The Architect and the British Country House, 1620-1920" will travel to the National Academy of Design in New York City and the Farish Gallery in Houston.

Generous contributions by Paul Mellon, Hon. AIA, and Leo A. Daly, AIA, and Mrs. Daly made the exhibition possible. Mr. Daly is chief executive officer of Leo A. Daly, a multinational architecture firm based in Omaha.

32nd Annual Antiques Show and Sale

Northampton-Accomack Memorial Hospital Auxiliary has announced the location and date for its annual Fall Antiques Show and Sale. This is one of the main fund raising events by the Auxiliary. Profits from this annual show go toward purchasing much needed equipment for the hospital which serves the people of two rural Virginia counties.

Details of this year's sale are as follows:

- THIRTY-SECOND ANNUAL FALL ANTIQUES SHOW AND SALE
- Sponsored by The Northampton-Accomack Memorial Hospital Auxiliary
- Dates: November 8, 9, 10, 1985
- Location: Moose Lodge, Belle Haven, Virginia

For additional information, call Mrs. Brooks Ballard, Chairman, Antiques Show—(804) 787-1522.



THE ARCHITECT AND THE BRITISH COUNTRY HOUSE, 1620-1920

Partial List of Architectural Drawings
on View at The Octagon Museum, Washington, D.C.,
Through April 6, 1986

Robert Adam <i>Barnbougle Castle</i> <i>Headfort House</i>	Sir Ernest George <i>Buchan Hill</i>	Anthony Slavin <i>Harlaxton Hall</i> <i>Scotney Castle</i> <i>Pecittforton Castle</i>
Thomas Allom <i>Highclere Castle</i>	James Gibbs <i>Lowther Hall</i> <i>Kelmarsh Hall</i>	Sir John Soane <i>Teynham Hall</i>
Samuel Beazley <i>Bretby Park</i>	Nicholas Hawksmoor <i>Wotton House</i>	James Stuart <i>Wimbledon House</i>
Sir Reginald Blomfield <i>Hatchlands</i> <i>Whittington</i>	Henry Holland <i>Carlton House*</i>	William Talman <i>Welbeck Abbey</i>
Edward Blore <i>Goodrich Court</i>	Inigo Jones <i>Outlands Palace</i> <i>Wimbledon Palace</i> <i>Somerset House</i>	Philip Armstrong Tilden <i>Hengistbury Head</i>
Joseph Bonomi <i>Portman House</i> <i>Rosneath</i>	William Kent <i>Holkham Hall*</i> <i>Honingham Hall</i> <i>Stowe House</i>	Samuel Sanders Tuelon <i>Elvetham Hall</i>
Richard Boyle <i>Tottenham Park</i> <i>Chiswick House</i>	Sir Edwin Lutyens <i>Castle Drogo</i>	Sir John Vanbrugh <i>Kings Weston House*</i> <i>Castle Howard*</i>
William Burges <i>Knightshayes*</i>	Roger Morris <i>Whitton Place</i>	Alfred Waterhouse <i>Yattendon Court</i>
Colen Campbell <i>Stourhead*</i> <i>Wanstead House</i> <i>Houghton Hall*</i>	John Nash <i>Killymoon Castle</i>	Philip Webb <i>Standen</i>
Sir William Chambers <i>Llanaeron</i> <i>Buckingham House</i>	James Paine <i>Gopsall Hall</i> <i>Sanbeck Park*</i>	Henry Wilson <i>Welbeck Abbey</i>
John Diblee Crace <i>Longleat House*</i>	John Buonarrotti Papworth <i>Little Grove</i> <i>Fonthill</i> <i>Laleham House</i>	Sir Christopher Wren <i>Hampton Court Palace</i> <i>Easton Neston*</i>
Isaac de Caus <i>Wilton House*</i>	John Hungerford Pollen <i>Blickling Hall*</i>	James Wyatt <i>Frogmore House</i> <i>Killerton Park</i> <i>Milton Abbey*</i> <i>Fonthill Abbey</i>
George Devey <i>Machariorch House</i>		

*Indicates houses lending objects to *The Treasure Houses of Britain* at the National Gallery of Art.

The Ridge at Brinnington

Browne, Eichman, Dalglish & Gilpin, PC—Architect

Location: Albemarle County

Project Architect/Designer, Henry J. Browne
Mechanical Engineer, Brunk Mechanical
General Contractor, A. L. Yancey, General Contractor • Photography, Joseph Garand III.

The Ridge at Brinnington, completed in June of 1983, occupies a five-acre site covered with mature hardwoods and mountain laurel, and offers magnificent views of the Blue Ridge Mountains. Overlooking the Moorman River, this distinctive, classic design combines gracious contemporary living with classic proportions.

This residence contains three bedrooms, three and one-half baths, a great room, study and dining/kitchen/sunroom combination. The master bedroom suite, which looks into the two-story sunroom, contains a sitting area, dressing room and a bath with soaking tub.

The exterior of the house is unique in its simple and direct details. Heavy quoins at the corners give the building solidity under a heavy roof and massive chimneys.

Upon entering one descends, with the slope of the steep site, to the main living area on the lower level. The major spaces on the lower level are pinwheelled around the unusual Rumsford

fireplace. This fireplace was designed using the principles of Count Rumsford, the tenth-century French nobleman, who is said to have done more for fireplace design than Franklin did for the iron stove. The massive chimney evokes memories of early mill construction with corbeled brick shelves supporting the ancient beams.

The attention to detail in the hand-wrought iron railings, the joinery and ceramic tile work evokes a timeless tribute to craftsmanship. A detail of interest is the built-in German stove in the corner of the dining/sunroom, creating a warm place in all seasons.

The subtle blending of 200-year-old heart pine on the floors and ceilings, contrasting with planes of white and expansive glass, creates a feeling in this house of comfort and quietude.

A. L. Yancey, General Contractor of North Garden, was general contractor and handled excavating, foundations, carpentry and waterproofing.

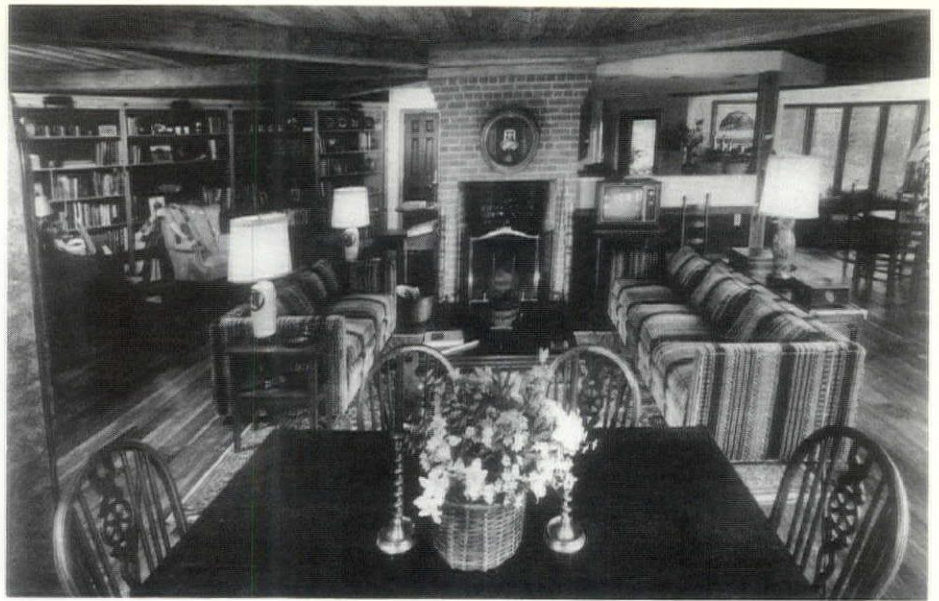
SUBCONTRACTORS & SUPPLIERS

(Charlottesville firms unless noted)

Waynesboro Nurseries, Inc., Waynesboro, landscaping materials & landscaping contractor; Dudley's Paving Co., North Garden, paving contractor; Allied Concrete Co., concrete supplier; Webster Brick, Somerset, masonry manufacturer; H. T. Ferron, masonry supplier; Riverton Corp., Riverton, Flamingo mortar; E. M. Martin, Inc., roofing; Virginia Insulation Corp., roof & wall insulation; and Stokes of England, Ltd., handrails.

Also, Phillips Building Supply, Inc., structural wood; Gaston, Murray & Wyatt, Inc., millwork; Designer Kitchens, cabinets; Brunk Mechanical Corp., sheet metal & plumbing/heating/ventilating/air conditioning contractor; Virginia Glass Co., Inc., glazing contractor; Pella-Virginia, Inc., windows; Martin Hardware Co., hardware supplier; Gary Fitzgerald, gypsum board contractor; Richard A. Oliva & Sons, Inc., ceramic tile; Salem M. Eways, Inc., carpet; Clint Birkhead, painting contractor; Sherwin Williams Co., paint supplier/manufacturer; Maddux Supply Co., plumbing fixture supplier; Interstate Electric Supply Co., Inc., lighting fixtures/electrical equipment supplier; and Safe-Way Electric Co., electrical contractor.





MAIN LEVEL PLAN



LOWER LEVEL PLAN



SALEM M. EWAYS, INC.

1417 N. Emmet Street • Charlottesville, Virginia 22901
(804) 295-3136

MUNIR S. EWAYS

Oriental Rugs • Wall to Wall Carpeting • Vinyl and Parquet Floor Covering
Cleaning and Restorations

*Carpeting Contractor
for
The Ridge at Brinnington*

The Redmond Group

*Specializing in Commercial Painting & Wall Coverings
Construction, Renovations and Property Services*
1050 St. Ann's Place, Richmond, Va. 23225
Telephone (804) 320-2334



Interstate
ELECTRIC SUPPLY CO., INC.

CORPORATE OFFICES:
14110 SULLYFIELD CIRCLE
CHANTILLY, VA. 22021
703-631-2500

BRANCH OFFICES:
CHANTILLY, VA.
CHARLOTTESVILLE, VA.
FAIRFAX, VA.
FREDERICKSBURG, VA.

LYNCHBURG, VA.
MANASSAS, VA.
WOODBIDGE, VA.
FREDERICK, MD.
HAGERSTOWN, MD.

*Lighting Fixtures & Electrical Equipment Supplier for
The Ridge at Brinnington*

Stokes of England, Ltd.

*Finest Quality Hand Forged
Traditional English & Classical European
Brought Iron Work of All Kinds
Hand Forged Custom Made Knives A Specialty*
S. & J. Stokes Tel. (804) 295-9848



**WAYNESBORO
NURSERIES**

PHONE 703/942-4141
WAYNESBORO, VIRGINIA 22980

FLOWERING TREES — SHADE TREES
FLOWERING SHRUBS — EVERGREENS

LANDSCAPE SERVICE

*Ask for Free Copy 48 - page
Planting Guide - Catalog in color*
DISCOUNT TO CONTRACTORS

SAFE-WAY ELECTRIC INC.

804-973-3078

845 East Rio Road
Charlottesville, Va. 22901

Commercial—Industrial
Residential

*Electrical Contractor for the
Ridge at Brinnington, currently
featured.*



- Commercial
- Residential
- Industrial
- Agricultural
- New or Old

Fulfilling all your insulation needs

1207 Harris Street

Charlottesville, Va. (804) 977-3541

MADDUX SUPPLY CO.

*Plumbing Fixture Supplier
for
The Ridge at Brinnington*

505 Garrett St. P.O. Box 1325
Charlottesville, Va. 22902

(804) 971-7000
Richmond line—(804) 788-1305



Sandwich Islands Restaurant

The Design Collaborative—Architect

Location: Virginia Beach

Project Architect/Designer, Richard J. Fitts, AIA • **Landscape Architect,** E. G. Carson & Associates • **Interior Designer,** Uschi Designs (Uschi Mednick) • **Site Engineer/Surveyor,** William C. Overman Associates, P.C. • **Structural Engineer,** Stroud, Pence & Associates, Ltd. • **Mechanical/Electrical Engineer,** Old Dominion Engineering • **Geotechnical Engineer,** ATEC Associates • **Signs & Graphics,** Jimmy Johnson • **General Contractor,** D. Joseph McNamara • **Photography,** John Ritger.

"Fast Food You Can Feel Good About" is a high priority with babyboom consumers and Ted Torok is catering to that market demand through his new Sandwich Island Restaurant in Virginia Beach. The first of its kind, the prototype opened February 8, 1985. Torok plans to open six more by year's end, which will make it Tidewater's first locally owned and operated fast food chain.

Designing the prototype, Richard J. Fitts, AIA, of The Design Collaborative, has delivered a contemporary look that combines the exotic ambience of a house in the tropics with the clean,

crisp professional lines of a modern-day fast-food establishment.

The restaurant and the ideas behind it cater to current consumer preferences for lower calorie, greaseless meals for today's life-in-the-fast-track-and-eating-on-the-run establishment. Extensive market research led Torok to the insight that people today want home cooking without having to cook. That's why there is fresh baked bread for all the sandwiches, homemade cinnamon buns and oatmeal cookies. There is a fresh salad bar with original homemade dress-



ings. Healthful drinks replace the usual soda pop. Torok believes the American Standard Lunch is the sandwich, not the hamburger, hence the name, Sandwich Island.

The quality of the food is first class, catering to the demands of today's two-income families who prefer quality to low-price. These economic factors constitute a turning-point in all consumer goods these days, including architecture. While he and his staff are committed to excellence in the food and service, they chose an award-winning architect and an award-winning interior designer to carry out their commitment to first-cost excellence in the building itself.

Torok believes that he is catering to a clientele with new consciousness and so provided such

amenities as cushioned chairs and window-booths, thousands of dollars worth of interior landscaping with real tropical plants, six aquariums containing tropical fish, and high quality durable finishes throughout.

Both the owner and the architect worked closely with interior designer, Uschi Mednick, to create something special that other fast food restaurants do not have. They have evoked a mood of relaxation in the tropics. Knowing that much of the success of this enterprise depends on presenting a desirable image to the consumer, the architect and interior designer were active participants in the development of this image.

The main challenge of the architect was to design a building that would evoke an island feeling without using the wharf poles and rope decor that has become a cliché. The structure has the broad, sheltering roof with deep overhangs appropriate to tropical atmospheres. The bright white stucco exterior finish evokes the cement-wash masonry used in many Mediterranean and island buildings. Outside, a natural cedar shake roof and trellised panels begin to speak of the natural, relaxed feeling that continues inside. By mounting the lattice-work panels about six inches from the wall, a shade-and-shadow effect is created and layers of textures are perceived that will counterpoint the interiors.

Inside, the entire ceiling structure is designed reminiscent of the canopied effect of a tropical rain forest. Custom designed wood trusses are exposed and painted white for reflecting light. Secondary members were added to carry the many baskets of hanging plants across the main circulation areas. In order to continue a tropical ambience, the designer has included several island-like eating bars enclosing lush, oversized palm trees. Baskets of ferns and flowering vines hang from the beams and the sound of moving water from aquariums mingles among the elements. Ceiling fans create gentle breezes, helping to circulate the tantalizing aromas.

Custom designed glass panels with a water-bubble motif are used underneath the aquariums to provide privacy panels between lunch counters and the main isle. Designer, Uschi Mednick, created these panels with the help of a local craftsman, Fred Elm, who fabricated them specifically for Sandwich Island Restaurants.

Contrary to some psychological studies that have prompted many restaurants to utilize the colors red, orange, and yellow, for their stimulating effects on the appetite, this restaurant chose a cooler palette of various shades of celadon, sand, and copper to create relaxation and complement the natural wood and earth-tones in the patterned quarry tile floors. The purpose of all the "atmosphere" is to encourage people to eat better by eating in relaxed, psychologically nourishing surroundings. The resulting satisfaction can be carried out into the world and have the effect of a mini-vacation in the tropics.

The owner says the prototype cost \$1.3 million to develop, estimating 10% to 20% less for later models, depending on land cost and location. Future models will have enlarged storage space in the kitchen and more skylights in the dining area.

Due to the popularity of the salad bar, this aspect will be given more space in future models and seating is being revised to provide more privacy for the customers.

D. Joseph McNamara of Virginia Beach was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

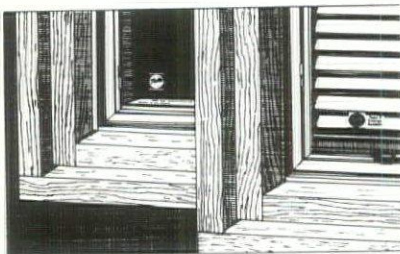
From Virginia Beach were: M. M. Gunter & Son, Inc., excavating; Economy Asphalt, Inc., paving contractor; Hampton Roads Concrete, concrete contractor; Masciola/Associated Roofing Techniques, Inc., built-up roof & other roofing; Ayers Insulating & Supply Co., Inc., wall insulation & acoustical treatment; Greenwish Supply Corp., foundation insulation & caulking; Aspen Construction, carpentry; Robert Schaibles, gypsum board contractor; Karpet Kingdom, carpet; and Fred Elm, special glass fabricator.

Norfolk firms were: Winn Nursery, Inc., landscaping materials & landscaping contractor; Hall-Hodges Co., Inc., reinforcing; G & V General Contractors, Inc., masonry contractor/supplier; Norfolk Iron & Wire Works, Inc., steel supplier/erection; Dominion Sheet Metal Co., Inc., miscellaneous metal; Addington-Beaman Lumber Co., Inc., structural wood & windows; John Barber & Assocs., paneling, cabinets & wall covering; A & D Glass & Mirror, Inc., storefront; Door Engineering Corp., hardware supplier; Tidewater Applicators, plaster contractor; Bill Freeman, ceramic tile; and George Pearce, painting contractor/paint supplier.

From Chesapeake were: Davenport Mill Work, millwork; John D. Lucey Plumbing & Heating, plumbing fixture supplier & plumbing contractor; Aircon, Ltd., heating/air conditioning contractor; and L. E. Ballance Electrical Service, Inc., lighting fixtures/electrical equipment supplier & electrical contractor.

Others were: Delta Industries, Ohio, roof deck & roof insulation; and Hampton Sheet Metal Works, Hampton, sheet metal.

Pella's new Type E System stands for Energy Savings.



Summer and winter, night and day, Pella's new Type E System saves you more energy and keeps you more comfortable than triple glass.

At a lower cost, too. Whether you choose Pella products with Type E glass or with the Type E Slimshade® blinds between the panes, you'll enjoy the view and sunshine without heat buildup, heat loss or furniture-fading ultraviolet rays.

The Type E System is based on a nearly invisible energy-reflective metallic surface which holds in the warm rays of the winter sun and blocks out radiant heat in summer. We haven't seen a comparable window with as low a U value, the energy rating that tells how much heat gets through the window. A Pella double glass window with the Type E Slimshade, closed, has a spectacular U value of only .23. That says a lot for Pella's beautiful wood construction.

Come find out more at your Pella Window Store. We have Type E glass or Type E Slimshades in Pella windows, doors, sunrooms and skylights. And we can install either Type E System in your existing Pella double glass windows.



VIRGINIA BEACH	499-7165
RICHMOND	741-4556
HAMPTON	838-4692
CHARLOTTESVILLE	977-8087

ATEC Associates, Inc.

8918 Herrmann Drive
Columbia, MD 21045
301-997-0210

CONSULTING
GEOTECHNICAL & MATERIALS
ENGINEERS

ATEC Associates of VA, Inc.

5649K General Washington Dr.
Alexandria, Va. 22312 — 703-941-3037

7611 Sewells Point Rd.
Norfolk, Va. 23513 — 804-583-1557

Geotechnical Engineers for
Sandwich Islands and
the Church & Reading Room
for First Church Christ Scientist
Featured in This Issue

Church and Reading Room

McGaughan & Johnson, PC—Architect

Location: First Church of Christ, Scientist, Clinton, Maryland

Project Designer/Landscape Architect/Interior Designer, Warren C. Weller • Site Engineer/Surveyor, Baldwin & Sampson • Structural Engineer, Ralph Spencer • Mechanical/Electrical Engineer, Ken Richter Associates, Inc. • Geotechnical Engineer, ATEC Associates • General Contractor, Warder-Mona, Inc. • Photography, Hugh B. Johnson.

The First Church of Christ, Scientist, Clinton, Maryland had its beginnings as the Second Church of Christ, Scientist of Washington, D.C. in 1899. The church later moved into a new edifice located in southeast Washington. In 1979, the church moved into a renovated residence in Clinton, Maryland and was redesignated First Church of Clinton, Maryland. Local churches are considered branches of The Mother Church in Boston, Massachusetts, formed by Mary Baker Eddy, and are numbered as they are formed in a town or city. The renovated residence was used as their meeting place until mid-December 1984. The new church was substantially completed at this time, but construction of the separate Reading Room building was just beginning. Completion of the Reading Room is expected in late 1985.

The new church is located in a primarily residential area on a corner lot adjacent to a neighborhood shopping center. This provides needed visibility, and invites public use of the Reading Room.

The new church has a seating capacity of 80-plus, with capability of expansion to seating for approximately 150 persons.

The main roof structure uses scissor-type wood trusses supported on a tubular steel frame. This

frame is covered by natural finished wood trim and allows for a continuous perimeter window strip. The strip windows, in conjunction with the glazed center partition between the assembly and lobby areas along with the end wall glazing, allow the roof to appear to be floating.

A full length center catwalk within the trusses provides access for maintenance of the mechanical and electrical lighting systems. Access to the catwalk is by a roll-a-way metal ladder recessed into the lobby tower wall.

Backlighting of the louvered gable ends provides low level security lighting. These lights as well as the recessed ceiling platform lighting can be serviced from the catwalk. Assembly and lobby chandeliers can be raised and lowered from the catwalk also, which provides for easy cleaning and relamping at floor level.

The interior finish in the main assembly and lobby area is face brick and natural finish oak. The Reader's desk, in use since the 1920s, has been retained and was moved to the new plat-



form. Natural oak and drywall was used in the wings and Reading Room building.

Exterior finish is face brick and rough sawn yellow poplar (Tulip poplar). Yellow poplar was selected because it is ideally suited for this particular use. It has excellent stay-in-place and weathering characteristics. The main church has insulated exposed brick cavity walls.

The roofs are hand split red cedar shakes. Built-up roofs were used in the flat (sloped $\frac{3}{8}$ " per foot) areas of the wings and Reading Room building.

Heating and air conditioning is split into separate electric heat pump systems. The main structure is supplied by one system located within the tower mechanical room and upper

level roof. Each wing and the Reading Room building is supplied by its own individual system. All systems are controlled by time clocks to provide flexibility for the required heating or cooling demands.

Future additions considered in the design would convert the now rectangular assembly area into an octagon shape (almost oval) and would nearly double the present seating. This addition could be accomplished without interruption of normal church activities and would maintain the continuous strip perimeter window detail.

Future wings for administrative and Sunday school areas can also be added when needed, and plans for installing a carillon within the tower are feasible.

Warder-Mona, Inc. of Clinton, Maryland was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS
Also from Clinton, MD were: Tanglewood Gar-

dens, landscaping contractor; Universal Metal Products, steel supplier; Clint's Cabinet Shop, cabinets; D & D Painting, painting contractor; Paul Havenner Plumbing Co., plumbing fixture supplier; and Jerry M. Warder Enterprises, plumbing/heating/ventilating contractor.

Others were: Abernathy & Allen Excavating, Inc., Beltsville, MD, excavating; College Park Paving, Inc., Berwyn Heights, MD, paving contractor; R. E. Fastnaught, Camp Springs, MD, masonry contractor; A-1 Insulation, Inc., Waldorf, MD, roof insulation; Alpine Truss, wood trusses; J. Gibson McIlvain Co., White Marsh, MD, exterior wood trim (yellow poplar); and Waldorf Glass Co., Inc., Waldorf, MD, glass.

And, Lamar & Wallace, Inc., Landover, MD, wood doors; Hardware Center, Inc., Capitol Heights, MD, hardware supplier; Village Carpets & Interiors, Camp Springs, MD, carpet; Winebarger Corp., Lynchburg, church furniture; and Mona Electric, Inc., LaPlata, MD, electrical contractor.

Robert E. Fastnaught, Inc.

Masonry Contractors

Commercial—Professional
Industrial—Residential

301 423-4717

5829 Auth Rd., Camp Springs, MD 20746

*We are very proud of our work as
Masonry Contractor for
Church & Reading Room for
First Church of Christ Scientist*

WALDORF GLASS CO. INC.

*Door & Maintenance Specialists
24 Hour Emergency Service*

Phone (301) 843-3580
Waldorf, Maryland

Norfolk Iron Works

Steel Fabricators
&
Steel Erectors

Dial 853-6747

P.O. Box 7117, Norfolk, Va. 23509

*America's Foremost Name
In Church Furniture*



WINEBARGER

*Pews • Pulpits • Chairs • Carpet
Cushions • Renovations • Light Fixtures
Chancel Furniture • Stained Glass
Windows • Custom Interior Design*

Box 4157 Lynchburg, Virginia 24502
Call Toll Free 1-800-446-0945
In Virginia Call Toll Free 1-800-572-2283

A Tradition of Fine Quality Since 1945

E. M. Martin, Inc.

CHARLOTTESVILLE, VA.

**Roofing and Sheet Metal
Contractors**

AIR CONDITIONING

HEATING—VENTILATING

Phone 293-8177

1835 Avon Street, Extd.

P.O. Box 1626

Charlottesville, Va.

Celebration Station Outlet Mall

SWA Architects, Inc.

Location: Roanoke

Project Architect/Designer, Mark S. Lindsey • Site Engineer/Surveyor, T. P. Parker & Son, Ltd. • Structural Engineer, Dunbar, Milby & Williams • Mechanical/Electrical Engineer, Walter Cohen & Associates • Geotechnical Engineer, Froehling & Robertson, Inc. • Construction Manager, ACM Construction Management Corp. • Photography, Whitney Cox.

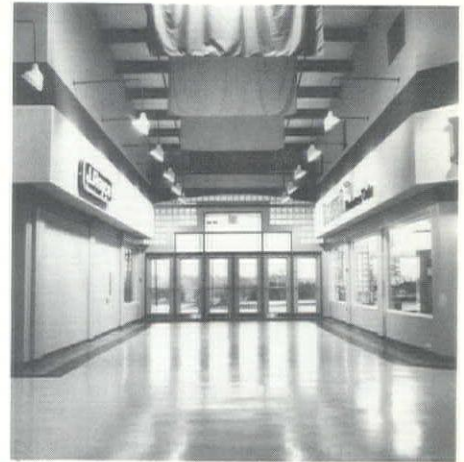
Celebration Station Outlet Mall in Roanoke gives a new look to the old idea of off-price shopping.

The mall which was developed by Area Corporation of Richmond, was designed by SWA Architects, Inc., the same firm developing and designing the Main Street Station mall in Richmond.

This award winning mall received the Center's of Excellence Award from the National Mall Monitor magazine for outlet malls under 200,000

sq. ft. Mark S. Lindsey served as the Project Manager for this unique outlet center.

In order to make the mall unique, the architects mixed common and inexpensive building materials with elements of higher refinement. Liberal use of glass block, classically detailed columns, bright festive banners and space frames used as flagpoles provide excitement in the mall. The materials were contrasted with an exposed steel structure and 1930's style industrial light



fixtures to create a mood reminiscent of the earlier days of outlet centers.

Storefronts were designed to provide uniformity and consistency throughout the mall. Signs for the tenants are also consistent in that they are on specially designed panels which are accen-





tuated with deep colored paint stripes that visually tie them together with the mall. Large expanses of glass are used on the storefronts to maximize display areas for each tenant.

The two main entrances are identified by tall space frames turned on their ends and used as flagpoles. The entrance area gently curves back from the main fascia giving a feeling of being inside the building while still outside.

The challenge of Celebration Station was to get it built as quickly and economically as possible. By using pre-engineered structural framing, upper fascia walls and roof system from Ceco Buildings Division the design time was shortened, the building's framework and roof could be installed independently of the walls and floor, and the mall's interior had a headstart.

The building was erected at a cost of \$22 per

square foot. This cost includes sitework, tenant storefronts, dividing partitions, electrical, HVAC, and interior mall finishes.

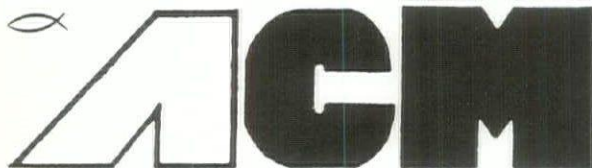
Obviously, Celebration Station incorporates not only cost and energy benefits with metal and glass, but also a festive atmosphere.

ACM Construction Management Corp. of Richmond was construction manager for the project.

SUBCONTRACTORS & SUPPLIERS

Thomas Bros., Inc., Salem, excavating & paving contractor; Nature Scapes, Roanoke, landscaping contractor; Kenbridge Building Systems, Inc., Richmond, foundations, concrete contractor, reinforcing, handrails & caulking; Masonry Contractors, Inc., Salem, masonry contractor; and Ceco Building Systems, Rocky Mount, NC, steel supplier/erection, roof & wall insulation.

Also, PPG Industries, Inc., Roanoke, glass & glazing contractor; Baird Drywall & Acoustics, Inc., Roanoke, gypsum board contractor, acoustical treatment, resilient tile & carpet; Gene L. West Painting Co., Roanoke, painting contractor; Worsham Sprinkler Co., Inc., Ashland, sprinkler contractor; G. J. Hopkins, Inc., Roanoke, plumbing/heating/ventilating/air conditioning contractor; and Varney Electric Co., Inc., Roanoke, electrical contractor.



CORPORATION

Richmond, Virginia • Houston, Texas
Princeton, New Jersey

*Construction Managers
for the award winning
Celebration Station Mall*

* Construction Managers *
* Contractors * Consultants *

VARNEY ELECTRIC CO.

2301 Patterson Avenue
Roanoke, Virginia 24016
(703) 343-0155

E. Ray Varney, President

Electrical and Mechanical Contractors

*Architect's Services
Don't Cost . . .
They Pay!*

*We are very proud of our work
as Mechanical Contractor
for Celebration Station Outlet Mall*

G. J. HOPKINS, INC.
Mechanical Contractor
COMMERCIAL—INDUSTRIAL

703/362-1863
6737 Thirlane Road, N.W.
P.O. Box 12467, Roanoke, VA 24025

FOR THE RECORD

Reynolds Named Sales Director For New Hotel

Valerie Reynolds has been named director of sales for The Residence Inn-West End, a residential-style all-suite hotel at 2121 Dickens Road (near I-64 and Broad Street), Richmond. The announcement was made by Joe Feran, general manager of the hotel.

Reynolds was most recently director of sales for The Marketplace Hotel in Richmond. She has more than seven years experience in the hotel and hospitality industry, and has worked for both the Sheraton and Ramada hotel chains.

Residence Inns specialize primarily in the needs of long-stay lodgers, such as business travelers or families relocating. The \$5 million Residence Inn-West End has 80 one- and two-bedroom suites, and opened for business in mid-September. All suites include a fully-equipped kitchen and separate living room area. Most suites also have woodburning fireplaces.

The Residence Inn® Company is the nation's largest and fastest growing chain of residential-style suite hotels. There are more than 40 Residence Inns open nationwide, and that number is



Valerie Reynolds

expected to double by year's end. Another Virginia Residence Inn is open in Tysons Corner.

The Residence Inn-West End is a franchise owned and operated by TMH Hotels of Wichita, Kan. TMH Hotels operates another Residence Inn in Charlotte, N.C. and is constructing a third property in Hartford, Conn.

Brookfield Nursery Sponsors 'Real Christmas Tree Contest'

Brookfield's Real Christmas Tree Contest is open to students in grades 1-5. The contest is very simple.

Send an original drawing or story of 75 words or less, illustrating how a REAL Christmas tree makes you feel happy at Christmastime, to Brookfield Nursery, P.O. Box 929, Blacksburg, VA 24060-0929. Entries must be received by the 15th of November and include the student's and his or her teacher's name and the address of the school attended by the student—including classroom number, if applicable. All entries will remain the property of Brookfield Nursery.

Brookfield will be awarding one of their apartment-size Plantation-Fresh-Direct (PFD) Christmas trees to each of 50 winners. These will be sent directly to the classrooms of the winning students during the first week of December—with an additional \$50 going to the class of the top winner. A press release will be sent to the hometown newspaper of each winner about the winner's accomplishment.

Brookfield Nursery is sponsoring this annual contest to educate the public about the real

Christmas tree industry—an important \$600 million-a-year business that helps promote the tradition of Christmas.

For any questions about the Christmas tree industry, call David Larsen, Owner, Brookfield Nursery toll-free at 1-800-443-TREE.

Fort Ward Museum Series

Fort Ward's fall lecture series on the Home Care of Heirlooms and Collectibles will begin October 12th and continue on consecutive Saturdays through November 9th. Lecture topics will be presented by experts in the fields of textiles, photography, rare documents and military artifacts and equipment. The lectures are tailored for the layman who seeks professional advice on the proper identification, handling, storage and display of valuable collectibles in the home environment. The audience is encouraged to bring items which correspond to lecture topics for discussion and consultation.

Lectures are scheduled as follows:

- October 12—Identification and Care of Old Photographs
- October 19—Home Care of Textiles
- October 26—Identification and Care of Military Collectibles
- November 2—Care of Rare Prints and Documents
- November 9—Framing and Display of Rare Prints and Documents

This is the fifth year Fort Ward Museum has sponsored this unique home conservation series, which is one of the few programs of its kind in the Washington area. All lectures are scheduled from 2-4 p.m., in the museum library, 4301 West Braddock Road in Alexandria. There is no admission charge, but reservations are required due to limited seating. Call the museum at (703) 838-4848 for lecture reservations.

Wampler Foods Incorporated

Phone 867-9221

Hinton, Virginia

CUT OUT AND SAVE

Baird Drywall & Acoustic, Inc.

COMMERCIAL—INDUSTRIAL—INSTITUTIONAL

St. Reg. #19461

Phone 703/563-1306

1 Clover Avenue

Roanoke, Va. 24012

Bonded Contractor

Nine Contractors Given Best Builder Awards



Winner—Best Large Commercial Category—U.S. News & World Report, H.Q. Building

The Virginia and Metro Chapters of Associated Builders and Contractors, a nationwide commercial and industrial contractor trade association, is proud to announce the winners of their 1985 Construction Awards Competition for the best built new projects in the greater Washington, DC area.

This year there were a total of 51 projects competing for 11 different categories. A distinguished panel of judges reviewed and visited each project entered. The panel of judges consisted of professional engineers and architects, developers and local building officials.

Judging for this contest was based on the quality of the construction not on the design of the building or the expensiveness of materials used.

Projects were judged on the basis of the following key judging criteria:

A. Commercial, Industrial, Institutional Categories—Site concrete, paving, landscaping, skin of the building, HVAC, flooring, interior walls, ceilings, interior plumbing and electrical systems.

B. Restoration and Renovation—Landscaping, skin of the building, flooring, interior walls, ceilings, interior finishes, plumbing, HVAC, electrical systems, combination of old and new, and difficulty in combining old and new.

C. Interiors—Entrance to interior, flooring and carpeting, walls, ceilings, finishes, plumbing, HVAC and electrical systems.

D. Public Works and Heavy Construction—Landscaping, paving, structural concrete, structural steel, mechanical and electrical installation, accessories such as fencing, railings, sewer and water mains, etc.

The categories and winners of this year's competition were:

1. BEST LARGE COMMERCIAL (OVER \$5M.)

Project award was given to OMNI CONSTRUCTION INC., of Bethesda, Maryland for their U.S. NEWS & WORLD REPORT HEADQUARTERS building at 2400 N Street, Washington, DC. Architects for this project were Skidmore, Owings and Merrill.

This 8-story building (150,000 sq. ft.) wrapped in banks of masonry and precast concrete has three levels of below ground parking of 81,000 sq. ft. The interior features a four-level atrium with granite floors and walls in the elevator lobby and a two level library.

2. BEST MEDIUM SIZED COMMERCIAL (\$2.5M.-\$5M.)

The winner in this category was EUGENE SIMPSON AND BROTHER of Alexandria, Virginia for their performance in the construction of the NATIONAL HEADQUARTERS BUILDING FOR THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS at 1420 King Street, Alexandria, Virginia. The architects for this were WKR Inc.

This 6-story faced brick masonry veneer project consisted of a structural cantilevered exterior

stud wall system and one level of underground parking.

3. BEST SMALL COMMERCIAL CATEGORY (UNDER \$2.5M.)

The award in this category was granted to TIBER CONSTRUCTION COMPANY of Fairfax, Virginia for their AMERICAN SOCIETY OF PERSONNEL ADMINISTRATION building at 606 N. Washington St., Alexandria, Virginia. The architects for this were Lewis Wisniewski and Associates Ltd.

This project combined and restored a rowhouse which was incorporated into a totally new whole with the addition of 25,000 sq. ft. of new space and a 20,000 sq. ft. two-level parking garage.

4. LARGE INDUSTRIAL CATEGORY

For this category the winner was again TIBER CONSTRUCTION COMPANY of Fairfax, Virginia for the TIMES JOURNAL PUBLISHING COMPANY at 6885 Commercial Drive, Springfield, Virginia. The architects were Dewberry and Davis.

This 500 ft. press line facility with administrative offices consisted of a steel structure with a precast concrete exterior. The building also contains a lovely atrium.

5. SMALL INDUSTRIAL CATEGORY

The winner for this category was PORTER AND COLE of Falls Church, Virginia for the MOUNT JACKSON SEWAGE TREATMENT PLANT in Mount Jackson, Virginia. The architects for the project were R. Stuart Royer and Associates.

This .2 megatonnage sewage treatment plant consisted of a pump station renovation, 2 oxidation ditches, two final clarifiers, a laboratory building, chlorination facilities, sludge drying beds and related appurtenances.

6. LARGE INSTITUTIONAL CATEGORY

The award in this category was granted to G & C CONSTRUCTION COMPANY of Merrifield, Virginia for their impressive FILENE CENTER II AT WOLFTRAP, Northern Virginia's premiere outdoor theatre, located in Vienna, Virginia. Architects for this project were Dewberry and Davis.



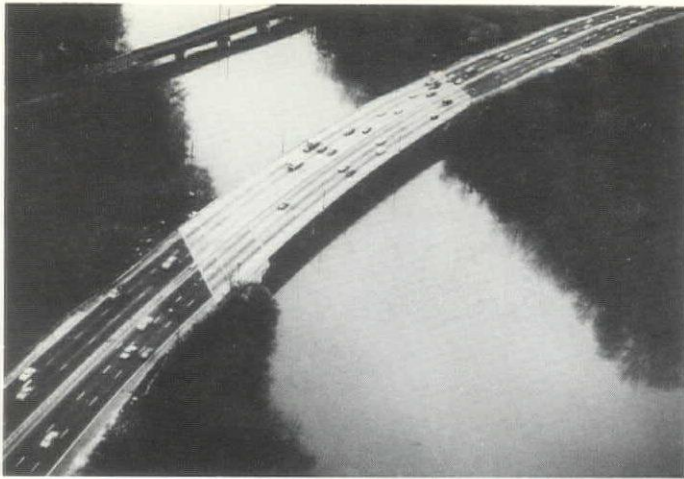
Contractors
Excavating • Ditching
Road Grading

FRANK A. HOWARD
268-2691

JOHN HOWARD
268-5623

Rt. 1, Elliston, Va. 24087

HOWARD BROS., INC.



Winner—Heavy Construction Category—Rehab. of New York Ave. Bridge, Anacostia River



Winner—Large Institutional Category—Wolf Trap Filene Center II

This project began in March 1983 after a disastrous fire burned down the original structure. Today the ramps connecting the new building to the parkway lots are the only thing left from the original building. Built of Douglas Fir from Oregon, the wood came from trees 36" to 60" diameter to provide the clean, vertical grain lumber desired for this special project. The structural framing consisted of southern Yellow Pine. The roof was made of copper and a new dry sprinkler system was installed. In addition to enlarging the staging areas, a more sophisticated lighting and rigging system for props was made a part of the "rebirth of Wolftrap."

7. SMALL INSTITUTIONAL CATEGORY

The winner in this category was BILDON INC. of Springfield, Virginia for their MASON DISTRICT AMPHITHEATRE in Annandale, Virginia. The architects were Thomas J. Madigan Limited.

This outdoor theatre also received an award in a "Design Build" competition held by Fairfax County Park Authority in which there were a total of 12 entries.

8. LARGE RESTORATION & RENOVATION

The award for this category was granted to E.A. BAKER & CO. INC. of Takoma Park, Maryland for their extraordinary job of renovating "El Jamila," a private residence on 31st Street, N.W., Washington, DC. The architect was Hans Ulrich Scharnberg. This major restoration included the addition of an enclosed swimming pool and the use of marble ornamentation and many decorative finishes.

9. SMALL RESTORATION & RENOVATION

We are happy that our Chapter President's company, EUGENE THOMAS CONSTRUCTION CO. of Alexandria, Virginia was awarded top in this

category for their interior renovation work on the MOUNT VERNON ESTATE ADMINISTRATION BUILDING in Mount Vernon, Virginia. The architects were VVK&R.

This lovely 18th Century building on George Washington's Estate was completely renovated and restored, carefully keeping alterations of the original interior to a minimum, and furnished with a number of fine period pieces.

10. HEAVY CONSTRUCTION CATEGORY

SHIRLEY CONSTRUCTION CORPORATION of Lorton, Virginia was the winner in this category for their REHABILITATION OF THE NEW YORK AVENUE BRIDGE OVER THE ANACOSTIA RIVER in Washington, DC. The rehabilitation project consisted of the total removal and widening of the roadway along with the substructure and underwater repairs. Construction was carried out with continuous use of the bridge by the public. Architects for this project were Blunt and Evans.

11. INTERIORS CATEGORY

Winner was again OMNI CONSTRUCTION COMPANY of Bethesda, Maryland for the GLEN GERY



Winner—Large Industrial Category—Times Journal Publishing Company

VIRGINIA RECORD

P. O. DRAWER 2-Y
RICHMOND, VA. 23205

Journal of the Virginia Society American Institute of Architects

Please Enter My Order for *VIRGINIA RECORD*

ENCLOSED IS ☐ \$12.50 for 1 Year ☐ \$23 for 2 Years ☐ \$30 for 3 Years

SEND TO: _____
NAME

FIRM NAME IF APPLICABLE

STREET ADDRESS OR P. O. BOX

CITY STATE ZIP

MAKE CHECKS PAYABLE TO VIRGINIA RECORD

DESIGN CENTER at 1001 22nd St. N.W., Washington, DC. The architects were Arthur Cotton Moore Associates, Inc.

Glen Gery Design Centre highlights the versatility of brick as a building medium. More than 40 shapes and seven varieties of brick and four mortar colors were integrated into the construction of the ramps, the walls, the arches and columns that outline the showroom. The brick is accented with a high multiple level of red oak panelled ceilings.

JUDGES

ARCHITECTS

Ron Blomberg—Greenhorne and O'Mara; Bob Davis—Davis and Carter; Elliott Gitlin—GMR; Paul Harrelle—Harrelle-Neumann Assoc. Ltd.; Ray Kogan—LBC & W; Mike LeMay—Donald, LeMay and Page; and Mary Shortt—Peck and Peck.

ENGINEERS

Tony Beale—Advance Engineers; Tom Downey—Thomas Downey Ltd.; Dave Gehr—Resident Eng. Va. Dept. of Highways and Transportation; Wesley Harris—Patton, Harris and Rust Associates; Arthur Hunsberger—Hunsberger and Monaco Inc.; Surinder Khanna—Const. Evaluation Branch of D.C. Govt.; Mike Moran—Meyer Associates; and Lee Phillips—W.L. Phillips.

LOCAL GOVERNMENT

Joe Bertoni—Chief Bldg. Insp. Fairfax Cty; Arthur Brown—Chief Building Inspector, P.G. Cty; Arvid Desai—Critical Structures, Fairfax Cty; Mohan Dhar—Maryland National Capitol Parks and Planning Commission; Rob Helenberg—Fairfax County Public Works Dept.; Larry Hufty—Asst. Chief Building Inspector City of Alexandria; E. G. Gordon Moffatt—Resident Engineer, WMATA; Tom Parker—Chief, Arlington County Economic Development Division; David Pierce—Arborist, Arlington County; and Emory Rodgers—Chief, Building Administrator.

OWNERS/DEVELOPERS

Ted Canterbury—V. P. Hazel Peterson Company; Charles Diehl—Treasurer, George Washington Univ.; Al Hlavin—Fairfax County Public Schools; Jay Jorgenson—Supt. of Development, Fairfax County Park Authority; Gene Kelly—Fairfax County Public Schools; Ben Oliver—Retired, estimator for Marriott Corporation; William Sim—Manager, Generating Const. Potomac Electric Power; Dave Slingerland—Design Office, Smithsonian Inst.; Fred Thrall—Paul Abrams & Associates; and Alan Whittaker—V.P. Support Services, Fairfax Hospital.

Michael R. Martin, P.E. Joins Patton, Harris, Rust

Michael R. Martin, P.E. (A) has joined Patton, Harris, Rust and Associates, P.C., a full service civil engineering/traffic transportation consulting firm, as Director of Transportation Engineering. Mr. Martin is responsible for directing road design, traffic signal design and site access studies as well as other transportation elements of the firm's planning and urban design projects.

Mr. Martin received his BSCE from the Virginia Polytechnic Institute and State University and his MSCE from the University of Virginia. Prior to joining PHR&A, he was associated with Kellierco as a Manager of Traffic Operations. Mr. Martin has primarily worked for both public agencies and engineering consulting firms, which provides him with a unique understanding of transportation problems. He is also a member of the American Society of Civil Engineers and has been a participant in numerous ITE and TRB committees.

'Connecticut' Keeps Silent Vigil

Some artists display their work in art galleries, some in museums, and others in corporate collections. But sculptor Paul DiPasquale has his 25-foot life-like sculpture of an Indian "Connecticut" on view in a ballpark. Ballpark?! — Well not any ballpark — the new Diamond on the Boulevard — home of the Richmond Braves.

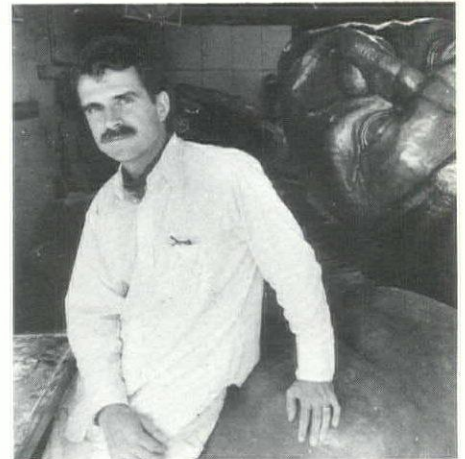
"The site is perfect," says DiPasquale. "The installation of the 'brave' adds to the architectural context of the new Diamond."

The sculptured Indian named "Connecticut" (meaning "beside the tidal flow") keeps 24 hour watch over the front gates and ticket booths of the Diamond whether the Braves are playing or not. His sculptured presence is hard to miss as one drives by.

If standing, the Indian would measure 70 feet tall. However, crouched on top the stadium concession stand he measures 10 feet high and 25 feet wide. The piece is molded from a foam insulation called Isocynate and covered with fiberglass.

"It's a masterpiece," said Richmond Braves General Manager Richard Andersen. "It projects the kind of image we're trying to project for the Diamond as a first-class stadium."

Since its completion in 1983, sculptor DiPasquale has been seeking a permanent home for his "brave." On loan to the Diamond for one year, the artist has high hopes the Richmond Braves will eventually purchase the sculpture.



Sculptor Paul DiPasquale

The artist has produced a limited number of silkscreen prints of "Connecticut" in its current location. Their sale will help offset installation costs and benefit the Richmond Braves.

For information on where to purchase the five-color silkscreen please contact: Slipek & Company, Public Relations and Advertising, 300 East Main St., Suite 205, Richmond, Va. 23220, (804) 780-1900



INDEX TO ADVERTISERS

—A—

ACM Corporation	52
Adams Construction Co.	34
Architectural Hardware, Inc.	19
ATEC Associates, Inc.	48

—B—

Baker Brothers, Inc.	15
Baker & Hazlewood Mechanical Contractors, Inc.	26
Baldwin & Gregg, Ltd.	10
Baird Drywall & Acoustic, Inc.	53
Bass Steel Building Corp.	15
Betco Block & Products, Inc.	23
H. T. Bowling, Inc.	36
Bridgers Dry Wall Co.	22
Austin Brockenbrough & Associates ...	19
Brooks & Company General Contractors, Inc.	2
Buckingham-Virginia Slate Corp.	60
C. P. Buckner Steel Erection, Inc.	19
J. Carrington Burgess Masonry Contractors, Inc.	22

—C—

CEK, Inc.	13
Capital Masonry Corp.	19
Ben Collier Electrical Contractor, Inc.	20
Conquest, Moncure & Dunn, Inc.	30
Cornell & Waldbauer	28
Corte Company, Inc.	40
Costen Floors, Inc.	29

—D—

Dodd Brothers, Inc.	32
--------------------------	----

Dunbar, Milby & Williams, Consulting Structural Engineers.	38
--	----

—E—

Salem M. Eways, Inc.	46
---------------------------	----

—F—

Robert E. Fastnaught, Inc.	50
Flowers School Equipment Co., Inc.	11
Forge Fence Co., Inc.	19

—G—

Glidewell Bros., Inc.	6
D. H. Griffin Wrecking Co., Inc.	15
Gundlach Plumbing & Heating Co.	23

—H—

John A. Hall & Co., Inc.	36
Hammond Brothers, Inc.	23
Hancock-Fuqua, Inc.	14
N. B. Handy Co.	59
Hanover Fabricators	26
Hanover Iron & Steel Inc.	28
Thomas A. Hanson & Associates, Inc.	19
Harris-Tarkett, Inc., Roanoke Div.	36
Holly & Spain Ltd. P.C.	20
Home Equipment Co., Inc.	38
G. J. Hopkins, Inc.	52
Howard Bros., Inc.	54

—I—

Insulation Service Co., Inc. of Virginia	14
Interstate Electric Supply Co., Inc.	46

—J—

Jarrett Electric Co., Inc.	38
Jarvis Sound Corp.	2
The Job Market Inc.	12
Johnson Irrigation Corp.	10

—K—

Kidwell Turf Farm, Inc.	23
William E. Kindervater, Inc.	20

—L—

L & H Company of Montross, Inc.	28
Lane Bros., Inc.	40
Lawhorne Brothers, Inc.	40
J. E. Liesfield Contractor	34
Liphart Steel Co., Inc.	30
Luck Stone Corp.	7

LOOK

WHAT USO IS DOING DURING A CRISIS!

For servicepeople, it's help with an emotionally handicapped child, a place to call home and a "friend" to talk to... all at the USO.

Support USO through the United Way, OCFC, or local USO campaign.

MANUFACTURERS OF
FAMOUS WEBSTER BRICK AND WEBLITE BRICK
WEBSTER BRICK COMPANY, INC.

GENERAL OFFICES ROANOKE, VIRGINIA 24004
P.O. Box 12887, Roanoke, Va. 24029
Telephone 703-977-5505



PLANTS
ROANOKE, VIRGINIA
WEBSTER, VIRGINIA
SUFFOLK, VIRGINIA
SOMERSET, VIRGINIA
EDEN, N.C.

Moving?

Please...

To assist our subscription department in handling your change of address... include your **OLD ADDRESS AND ZIP CODE** when sending your change.

* * *

OLD ADDRESS (Use Label if available)

Name

Firm Name if Applicable

Street Address

City & State

Zip

* * *

NEW ADDRESS

Name

Firm Name if Applicable

Street Address

City & State

Zip

Thank You!

**VIRGINIA RECORD
MAGAZINE
P.O. Drawer 2-Y
Richmond, Va. 23205**

—M—

M & N Masonry, Inc.	13
Maddux Supply Co.	46
Magic City Sprinkler, Inc.	34
Manson & Utley, Inc.	29
Martin Bros., Contractors, Inc.	10
E. M. Martin, Inc.	50
Masonry Contractors, Inc.	34
The Mat Works	29
Mays Electric Company	34
McClure Lumber & Builders Supply Co., Inc.	11
McDevitt & Street	15
McKinney & Walker	34
Mid-State Painters, Inc.	15

—N—

Norfolk Iron Works	50
--------------------	----

—P—

Paine Webber	14
Payne & Payne Construction Corp.	36
Pella Virginia, Inc.	48
Perkins & Glass, Inc.	15
Personnel Pool	13
F. G. Pruitt, Inc.	29

—R—

R G A, Inc.	12
W. J. Rapp, Inc.	26
The Redmond Group	46
Resource International, Ltd.	28
Richmond Primoid, Inc.	20
Ruffin & Payne, Inc.	20

—S—

Safe-Way Electric, Inc.	46
Schnabel Engineering Associates	32
Seaboard Foundations, Inc.	19
Service Contracting of Virginia, Inc.	38

Shepardson Mechanical Corp.	22
Howard Shockey & Sons, Inc.	26
Dwight Snead Landscaping & Paving Co., Inc.	15
Southern Brick Contractors, Inc.	30
Stokes of England, Ltd.	46
Randall A. Strawbridge, Inc.	32
Superior Floor Covering	13
Superior Service Co.	36
Daniel L. Swisher Co., Inc.	22
Sysgen, Inc.	5

—T—

T M S Millwork	34
Taylor & Parrish, Inc.	23
Thompson Masonry, Inc.	14
Q. M. Tomlinson, Inc.	36
Trent Plumbing & Heating, Inc.	30
Tri City Insulation, Inc.	28

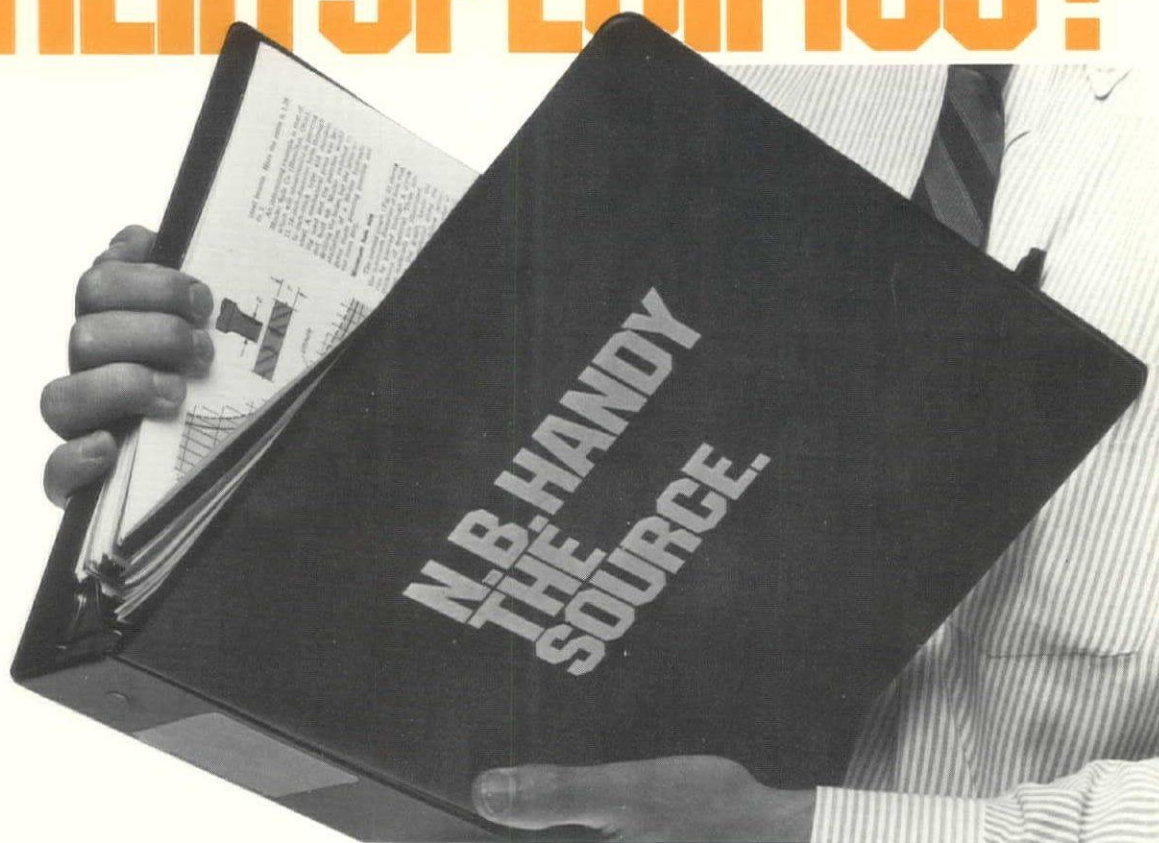
—V—

Valley Air Conditioning Corp.	34
Varina Refrigeration Service, Inc.	29
Varney Electric Co.	52
Velux-America, Inc.	9
Village Carpets & Interiors	34
Virginia Insulation Corp.	46
Virginia Reproduction & Supply Co., Inc.	40

—W—

Waldorf Glass Co., Inc.	50
Wampler Foods, Inc.	53
Warthan Recreational Equipment Co., Inc.	30
Waynesboro Nurseries, Inc.	46
Webster Brick Co., Inc.	57
William H. White Jr., Inc.	23
Richard L. Williams, Consulting Engineer	36
Winebarger Corp.	50
Ralph Wirt Associates	12

WHERE DO ROOFING SPECIFIERS GET THEIR SPECIFICS?



Experienced specifiers call on "The Source" — better known as the N.B. Handy Company. Professional specifiers have come to realize if a roofing product is worth knowing about, Handy has it.

During the nearly 100 years we've been in business, Handy has earned the reputation as an industry leader in supplying and recommending roofing systems, tools and equipment. And we're known for doing it on time and on budget.

But we're a lot more than just roofing suppliers.

We also offer our customers the expertise and advice of a special team

of roofing specialists who regularly assist architects and engineers in selecting the best roof for their particular job. This team, named Division 7, has been developed in recent years because new roofing technologies have expanded so rapidly that many tried and true methods are no longer cost effective. Division 7 fills the knowledge gap by providing up-to-the-minute information and a seasoned perspective on the most advanced systems by Firestone and other industry leaders.

So give yourself the same advantage that roofing specifiers enjoy. Complete and mail the coupon, or call N.B. Handy today.

☐ Please send me your information packet on roofing systems.

NAME _____

COMPANY _____

ADDRESS _____

CITY _____

STATE _____ ZIP _____

TITLE _____ PHONE _____

Mail to: N.B. Handy
65 10th Street
P.O. Box 11258
Lynchburg, VA 24506

The Source For **Firestone** Roofing Products.

LYNCHBURG
804/847-4495

ROANOKE
703/343-2467

RICHMOND
804/649-7064

NORFOLK
804/461-6470

RALEIGH
919/828-5421

GREENSBORO
919/855-3900

CHARLOTTE
704/377-9903

N.B. HANDY


SHELTERING AMERICA FOR OVER TWO CENTURIES.

In the eyes of the world, Buckingham Virginia Slate is the most highly regarded natural roofing material in America. Non-fading, with a high-mica content, this slate was specified by Thomas Jefferson, and is still selected by eminent architects of our time for its permanence and natural beauty.


Because it blends with either contemporary or traditional architecture, and helps to blend

both, it's a natural, superlative choice for residential work, churches, schools, commercial and municipal jobs.

If you want to create shelter that will be around for generations to come, above all, use a permanent roof of Buckingham Virginia Slate.

 **Buckingham-Virginia
Slate Corporation**

4110 Fitzhugh Avenue • P.O. Box 11002
Richmond, Virginia 23230 (804) 355-4351



Robert E. Payne, Architect, Richmond, Virginia
Generations will appreciate the distinctive, handmade quality, natural cleft and texture of Buckingham Virginia Slate roofing products that make any roof enduringly beautiful. Call or write for our free catalog and specifications catalog today.