



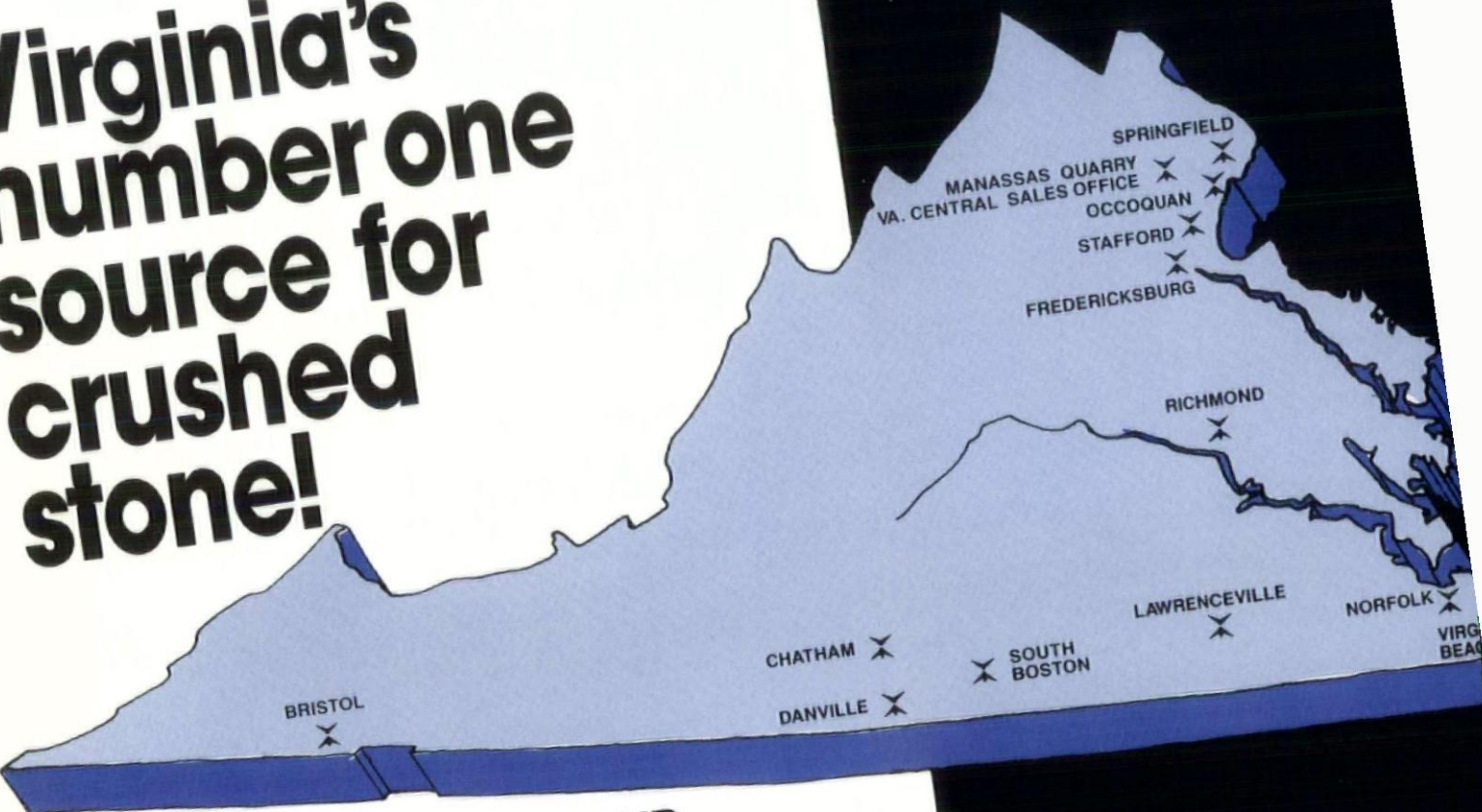
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JULY/AUG. 1986

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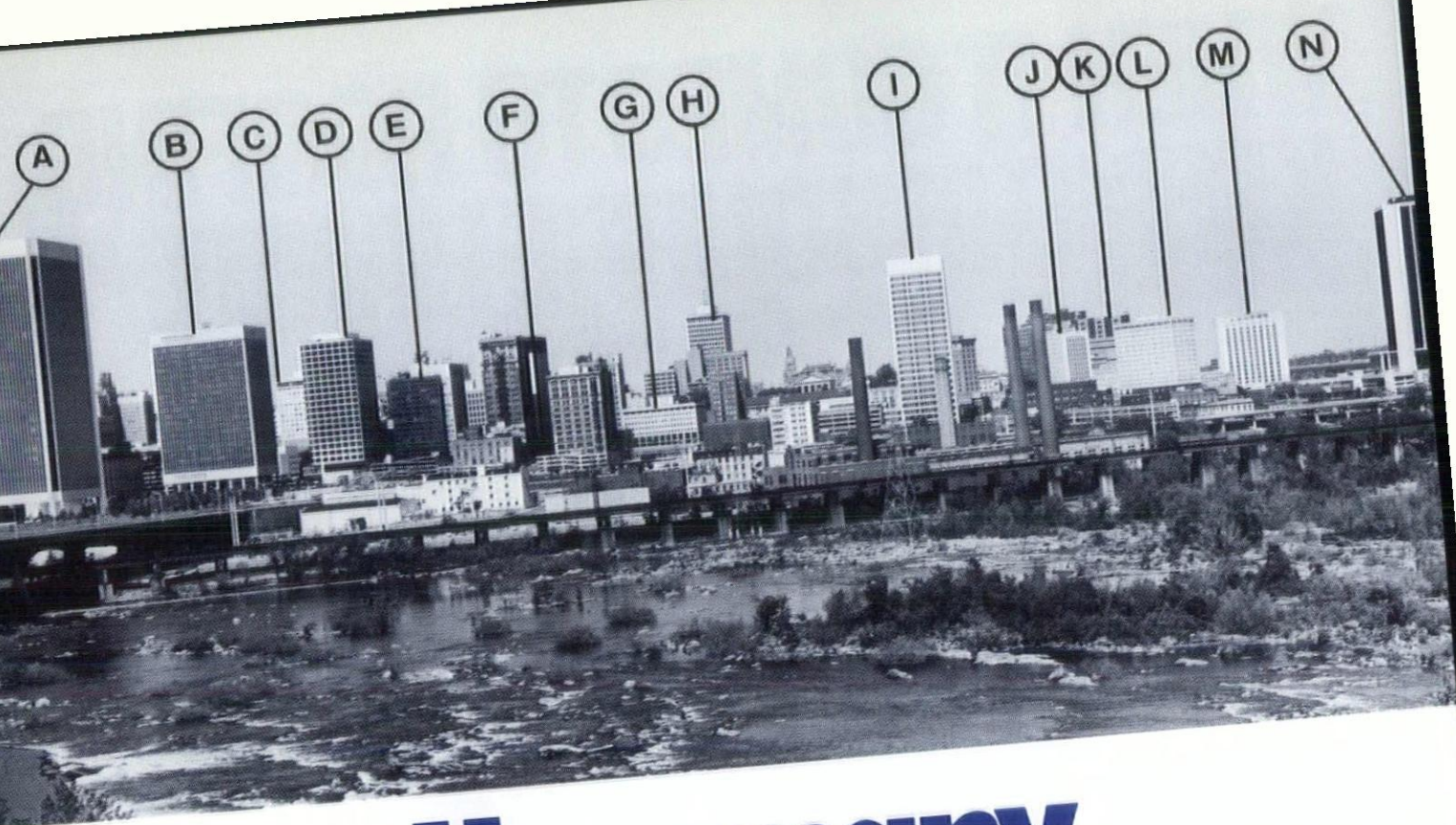
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IN THIS ISSUE

- 31 Virginia Society AIA News
- 41 New Members
- 76 Travelers' Guide
- 85 For the Record
- 93 Index to Advertisers

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Volume 108—Number 4

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ARTICLES

- 7 Architectonica—by Eason Cross, Jr., FAIA
- 11 Commentary—by Marvin J. Cantor, AIA
- 12 VSAIA CONVENTION PREVIEW—SALUTING RICHMOND
You Are Invited to a Celebration
VSAIA Convention Schedule
- 13 Welcome to Richmond, An Eternal City—by Frederic H. Cox, FAIA
- 19 SIXTH STREET MARKETPLACE
Wallace Roberts Todd
Marcellus Wright Cox & Smith
Dickerson Group
- 25 Unbuilt Richmond—by K. Richmond Temple

EDUCATION AND HUMAN RESOURCES

- | | |
|--|---|
| 44 CAMPBELL COUNTY LIBRARY AND
SCHOOL ADMINISTRATIVE OFFICES
Architectural Partners | 62 CHATHAM HALL STUDENT CENTER
V.M.D.O., Architects |
| 47 BENJAMIN FRANKLIN INTERMEDIATE
SCHOOL
Strang & Samaha, AIA | 64 HORNE & HUBACH MEDICAL SUITE
Lawrence Cook Associates, PC |
| 50 CENTERVILLE ELEMENTARY SCHOOL
Waller, Todd & Sadler, Architects | 65 HUMAN RESOURCES BUILDING
Frank A. Spady, Jr., AIA, Architect |
| 53 POWELL VALLEY MIDDLE SCHOOL
McElroy & Assocs., Architects P.C.
Thompson & Litton, Inc. | 67 TARRALLTON COMMUNITY CENTER
The Design Collaborative |
| 55 CATHOLIC UNIVERSITY OF AMERICA
ATHLETIC CENTER
VVKR Incorporated | 69 SPRIGG LANE/THE RESEARCH GROUP
Richard Shank Associates, P.C. |
| 58 THREE ELEMENTARY SCHOOLS
ARMSTRONG, UNION MILL &
SULLY STATION
Ward/Hall Associates, AIA | 73 MULTI-CARE MEDICAL GROUP
OFFICE BUILDING RENOVATION
Lawrence Cook Associates, PC |
| | 74 FLEMING/COPE PHYSICAL THERAPY
CLINIC
Gay & Craddock—Architectural Partners |

GENERAL PROJECTS

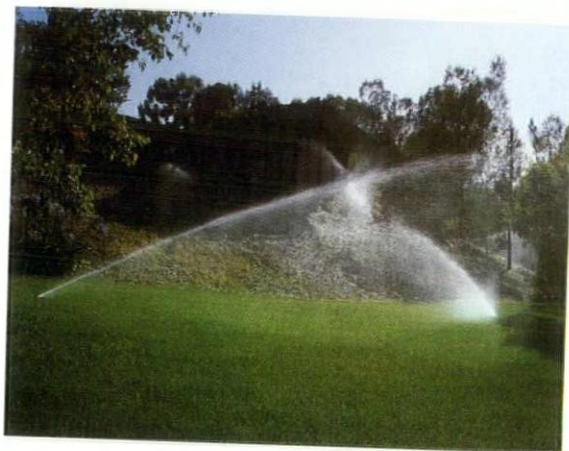
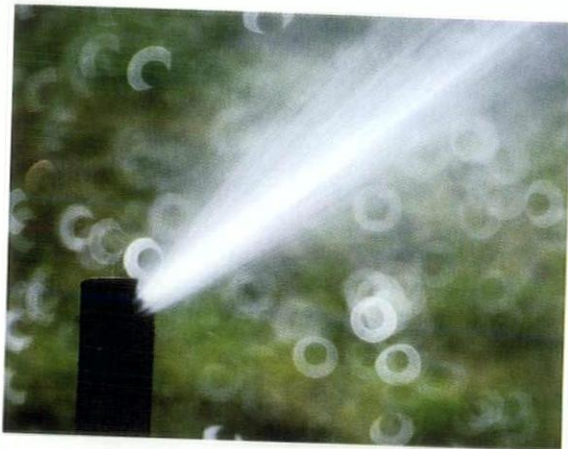
- | | |
|---|--|
| 78 JENNINGS BUSINESS PARK
PHASE I
Barkley Pierce Associates | 81 OFFICE/WAREHOUSE—NORFOLK
COMMERCE PARK
Forrest Coile Associates, PC |
| | 83 PRIVATE RESIDENCE
Craig Hudson—Architect |

COVER

On our cover is a night view of the 6th Street Marketplace Bridge. The project, part of our Convention salute to Richmond, is presented on page 19 of this issue. (Cover photo by Whitney Cox)

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'Learning from Las Viviendas'

For the past year, my spouse and I have been building ourselves a second house, overlooking the Rappahannock River near Port Royal. It has been a "learning experience," trying to act as Architect and General Contractor and Owner and Moneysource all at the same time. (You could also add "laborer" to the list of titles.)

These conflicting roles meet head-on inside my head, my purse, my time schedule, and my expectations. Intense arguments ensue. All sorts of frustrations, all too common to Architects, Contractors, Owners, and Mortgagors, are generated in acute form. Putting all these roles in one head could make for a case of double schizophrenia!

Out of it has come some new-found sympathy for the trials of the other non-architect parties in the construction process.

While working in the contractor role, I found that one has a devil of a time getting subcontractors to appear as promised and done on time, unless one has the carrot of more possible work in the future to dangle. Just plain money doesn't do the job. Single projects are a very low priority.

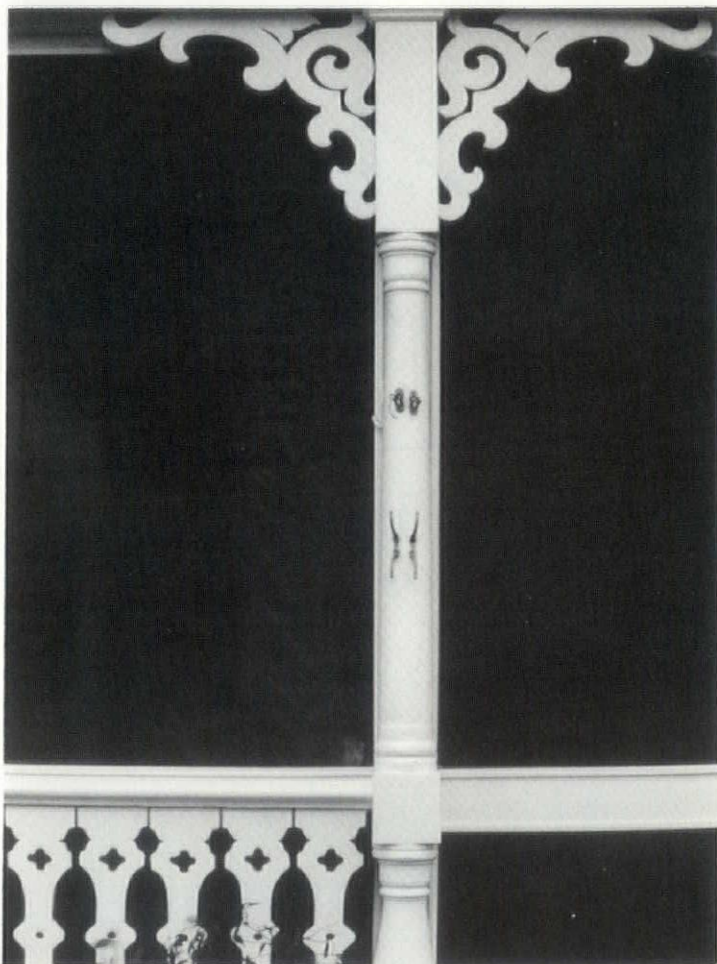
If it were not for the architect's plans and specs written into a contract, a contractor would bend with the wind and change detail and finish just to get on with it or dodge a gouge. I did!

The architect might well revise his drawings to produce a better building or faster progress, were it not for the owner being adamant about a particular finish. In our case, the owner deferred to the architect!

The mortgagor in turn is unwilling to make changes which might lessen the value he has already bet on. With us, when the exterior finish we had initially chosen was served up at twice the anticipated price (the profit was doing it on big buildings in the city), we could decide to shift to a stucco finish. Of course, it then took six months to find a stucco craftsman. Were it not for the architect in me, we would have ended up with vinyl siding. The mortgagor in me was pushing for the initial choice but the borrower was talking vinyl. The owner just wanted to get a non-maintenance finish and fretted at the delay.



Perfection in an Art Nouveau fountain in Cologne. Was this executed by a Contractor or an Artist?



Porch detail in St. Michaels, Md. Turn-of-the-century carpenters did this work as a matter of course—no one supervising.

Then there's Trouble. It comes to everyone.

Such as the stucco sub running into the well casing, which broke and let dirt down the well, which got into the pump and wedged the pump against the casing. The pump "froze" and locked in place. The sub had no attachable assets, the well driller and pump installer were blameless. Therefore, it fell to the contractor (that's us) to carry the burden. It could have meant drilling a new 366' well and a new pump. Fortunately, the plumber was a patient and analytical fellow, and by blowing air down the well was able to unlock the pump, clean it out, fix the casing, and put us back in the water business. The architect just stood by with his hands in his pockets and hoped.

There was the painter who spray-painted my spouse's newly transplanted dogwood while testing out his spray nozzle. The roofer who did the shingle



Bay Window, Charleston, S.C. This took more skill than any single designer, craftsman, or Contractor possessed.

work but left me sub-less when it came to putting in the EPDM membrane on a flat-topped tower (my materials—guess who did the EPDM roofing!) And there was the bulldozer operator who began digging a stand-up crawl space and ended up cutting me a basement; the ground was so dry and sandy that the sides kept caving in. The carpenter who put angled posts under a cantilevered deck; he was right, it turned out, as the riverbank was closer to the house than drawn. The local mill which produced 3 1/2" dimension lumber in a world of 3 1/2" stuff. The "kiln-dried" planking which shrank 15%.

And there were the good things, too, such as the carpenter whose 12" Japanese planer made the local boards work. The mechanical sub who



Frank Lloyd Wright house, Birmingham, Michigan. Lived in and loved by the original schoolteacher client. The Owner has made this gem her life-time work of art.

showed me how we could use an air-to-water heatpump off the well water, feeding the waste water into the river below. The retired carpenter neighbor who showed the young guys how to cinch planking tight with a 2x4 and a big spike.

What this all illustrates is that a successful Contractor must be a very special, mentally-resilient, animal to be able to sleep at night and survive the stress of daily unexpected jams. I can cope with this sort of thing on the short run, with a visible end to it. To make a career of it would either put me in a sanitarium or in jail.

I'm told of another architect who had ideas of being his own client on a series of projects which he would design and build. He started by renovating a town house. He found that, unless he stood over the workmen all the time, the drawings were either never looked at or patently ignored, the premises trashed, the work already in place damaged by the next trade in, and as much work spent in correcting errors as in doing it wrong in the first place.

He couldn't stand the frustration.

He needs a Contractor between him and the craftsmen, and a written Contract establishing the groundrules and the responsibility.

The Contractor earns his fee. I know I earned mine!

Eason Cross, Jr., FAIA



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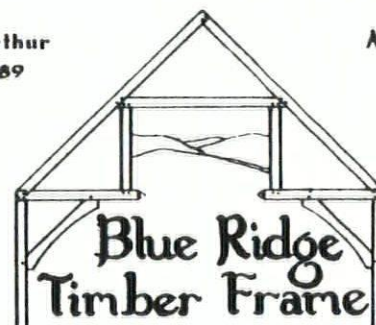
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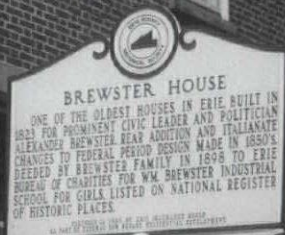
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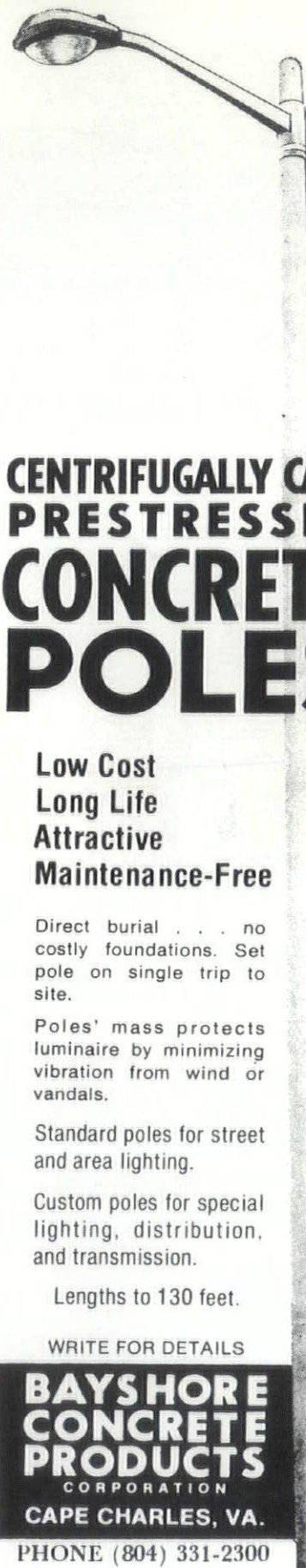
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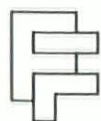
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by Marvin J. Cantor, AIA

Urban Renewal & Rehabilitation

Urban renewal in Atlantic City . . . a resounding success or dismal failure? It depends on your point of view. As a hotel magnate, a stockholder in one of the casino corporations or buslines serving them . . . a resounding success. As an average Atlantic City citizen, or one in the economically deprived classes, a dismal failure!

From merely a superficial observation, it becomes immediately obvious that the massive reconstruction efforts, the bulk of the new construction and the revitalizing of depressed areas along the length of the boardwalk . . . is only one block deep!!!

Along Pacific and Atlantic Avenues paralleling the ocean, the all too familiar signs of urban decay are too numerous to itemize, and showing no signs of improving—rather the area shows the same progress toward urban "rot" that pre-existed the hotel-casino boom. The overbearing rolling shutters closing the few remaining busi-

nesses at night for security reasons—the abandoned storefronts—the sleazy businesses that move in just before total abandonment of the premises—the plywooded windows of once proud apartment buildings—the summer bungalow of many nostalgic reminiscences of "on the Boardwalk at Atlantic City," falling down on its own foundations—all stand in amazing contrast to the glitter and glitz of the seaside casinos.

And not only in the buildings do we find this depressing picture—the city's infra-structure of streets, sidewalks, transit bus systems, sewer and water systems all show lack of maintenance, care and upgrading.

Finally—the people! Senior citizens on fixed allowances living out their days, not in golden comfort but in threadbare clothes, visiting the fast food emporiums for their meager subsist-

ence, the "bag ladies" of the big cities now present in significant numbers in this oceanside resort, and the numerous ever present panhandlers, attest to the sad statement that the jobs created by the casinos were not for them!

Investigation of a number of prominent city politicians in recent years, and constantly being the subject of racketeering inquiries hasn't helped either.

In spite of the high-sounding rhetoric of the state, earmarking gambling taxes for senior citizen facilities and city improvements, it seems as if only the corporate stockholders of the resort hotels have come out smelling like roses.

As an example of urban renewal, Atlantic City, New Jersey stands as a shining monument—of what *not* to do.

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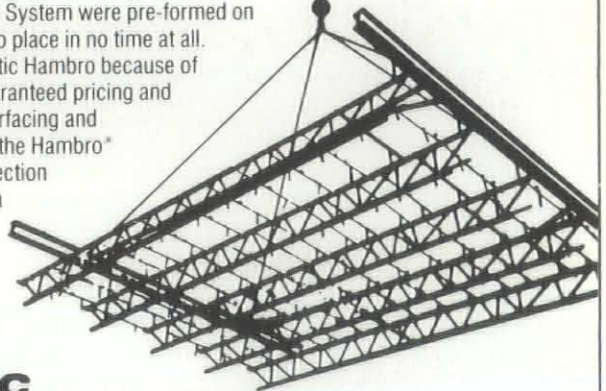
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VSAIA CONVENTION PREVIEW

YOU ARE INVITED TO A CELEBRATION!

The 1986 Annual Convention of the Virginia Society, AIA is going to be a celebration! A celebration of our 10th Anniversary as the Virginia Society, AIA. A celebration of Old World and New World excitement. A celebration of Seminars—focusing on architectural calamities, liability, CADD, procurement, restoration, and management. A celebration of Design Awards, Honor Awards and other special events. So come to the Richmond Marriott October 17 and 18 and be a part of it!

The convention will kick off with a national award-winning guest speaker on Friday afternoon. Registration, committee and directors' meetings and a chance to view the construction products exhibition will be among the daytime events. The evening will continue the celebration with Design Awards at the Marriott, and the President's Reception at the newly renovated Hotel Jefferson, to honor all our past Society Presidents.

Saturday will offer a host of Exhibits, Seminars, and events to fill your day. Seminar speakers will include: Delegate "Bill" Axelle on Procurement; Stu Rose on Planning and Controlling Growth in Your Firm and Beating the Out-of-State Firms; Murray Wright on Architectural Calamities; and Gordon Schenck on Architectural Photography. There will be a Case Study on Tobacco Row, and much, much more. The evening will start off with the Noland Night Awards Dinner and conclude with a James River Chapter Host Party at the newly built 6th Street Marketplace, complete with band and comedy club entertainment.

It's going to be a celebration you won't want to miss, so put it on your calendar now!

OCTOBER 17 and 18
AT THE RICHMOND MARRIOTT!!

VSAIA 1986 CONVENTION SCHEDULE

Note: This is a preliminary schedule and is subject to change.

FRIDAY—OCTOBER 17, 1986

8:00 AM–11:00 PM	Exhibitor Set-Up
10:00 AM–NOON	Board of Directors Meeting
NOON– 7:00 PM	Exhibits Open
NOON– 6:00 PM	Registration in Exhibit Hall
1:00 PM– 2:30 PM	Committee Meetings
2:30 PM– 3:30 PM	Kick Off Program—Exhibit Hall—Prominent National Speaker (Sponsor—Philip Morris)
4:30 PM– 5:30 PM	Cocktails in Exhibit Hall
5:30 PM– 7:00 PM	Design Awards—Seminar Space—Exhibit Hall
6:30 PM– 7:00 PM	Door Prizes & Best Booth Award
7:30 PM–10:30 PM	Presidents Reception—Jefferson Hotel w/Shuttle
10:30 PM–	Tourist Group to put together list of Bars & Restaurants—Printed Program

SATURDAY—OCTOBER 18, 1986

8:30 AM– 6:00 PM	Exhibits Open
8:30 AM– 9:00 AM	Continental Breakfast in Exhibit Hall
9:00 AM–10:00 AM	VSAIA Business Meeting—In Exhibit Hall
10:00 AM–10:30 AM	Coffee in Exhibit Hall
10:30 AM–11:15 AM	I Seminars—A, E, G
11:30 AM–12:15 PM	II Seminars—B, F, K
12:30 PM– 1:30 PM	Lunch in Exhibit Hall
1:45 PM– 2:30 PM	III Seminars—C, H, F
2:45 PM– 3:30 PM	IV Seminars—D, I, J
3:30 PM– 4:00 PM	Refreshments in Exhibit Hall
4:00 PM– 5:00 PM	Wrap-up Program—Exhibit Hall—Case Study—Tobacco Row
7:00 PM– 8:00 PM	Cocktails
8:00 PM– 9:30 PM	Noland Award Dinner and Program—Marriott
9:30 PM– 1:00 AM	JRCAIA Chapter Party—6th Street Market—Crystal Palace—Band & Comedy Club

Richmond Marriott Hotel October 17 & 18, 1986

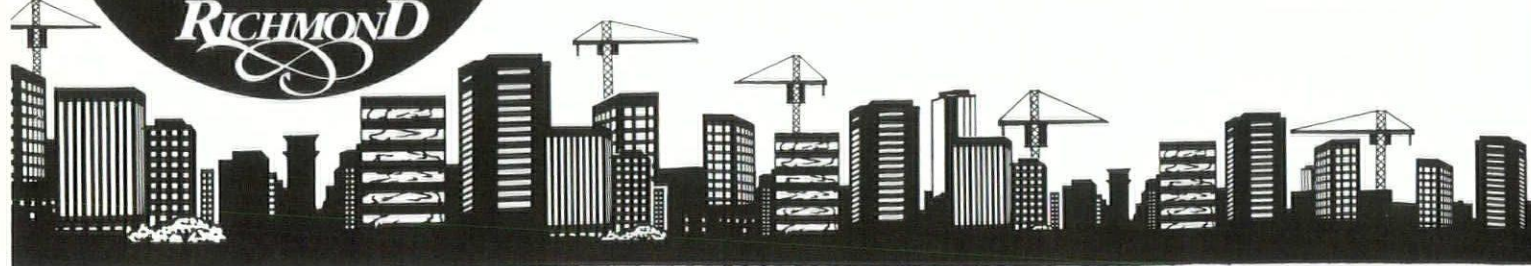
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EVENTS

- Design Awards
- Presidents Reception
- Construction Products Exhibition
- VSAIA Annual Meeting
- Noland Award Dinner
- JRC/AIA Host Chapter Party





Richmond at night (Photo courtesy of Metropolitan Richmond Convention and Visitors Bureau).

Welcome to Richmond, an Eternal City

By Frederic H. Cox, FAIA

Richmond has been and is many things to many people. It has been compared (facetiously) with Rome, having at least seven (?) hills, called the holy city, the Florence of North America (facetiously), and a number of other things some flattering, some not. However, no other city of its size has as unique and rich a history as this wonderful place on the scenic James River. To secure its place in this century it has another special opportunity to enhance its future success as a city, by retaining the uniqueness of its glorious past combined with the best in modern development.

ABOUT THE AUTHOR:

Frederic H. Cox, Jr., FAIA, a principal of the Richmond architectural firm of Marcellus Wright Cox and Smith, was recently advanced to the American Institute of Architects' College of Fellows in recognition of his notable contributions to the profession. He was the first president of the Virginia Society, American Institute of Architects, and has highlighted his architectural career by focusing on historic preservation and public service.



He has been president and chairman of the Historic Richmond Foundation and chairman of the Virginia Historic Landmarks Commission. He has also been president of the Federated Arts Council of Richmond, the second such organization in the U.S.; secretary of the Richmond Symphony; and trustee of the United Givers Fund, and the Valentine Museum, among others.

Richmond is a medium sized city of 210,000, the center of a metropolitan area of nearly 800,000. Its geographic location on the east coast is superb and its physical setting dramatic and spectacular at the fall line of the James River. Its downtown including the retail core is essentially intact.

Founded by Colonel William Byrd, II in 1737, Jefferson established it as the Capital of Virginia in 1780. The building he designed as its Capitol was the first Classic Revival public building in the country. In 1860 it became the Capital of the Confederacy, the only city in our country to be the seat of a separate nation. This legacy, often a plus, sometimes not, for many years made it the holy city of the Confederate South; endowing it in the aftermath of the great Civil War with wide avenues, statuary and other public amenities that a city of this size would not otherwise have had.

At the turn of the century it also became the genesis of black commerce and a rising prosperous, well educated middle class. Maggie Walker became the first woman President of a bank in America. Her home is a National Historic Landmark. Many black citizens of the community have risen to prominence and national fame.

Long a center of commerce and industry, especially bolstered by flour, grain, tobacco, transportation, banking and insurance, the city has always been prosperous, recovering from adversity more quickly physically and economically than most. One of the few cities in America to be wiped out as an aftermath of a war especially one of the most divisive in history, Richmond rapidly recovered and prospered after the Civil War and the devastating fire of 1865.

Despite popular opinion, the fire was started as a result of demolition by the departing Confederate forces, the situation being assisted by mobs of its own citizens having broken into the medicinal reserves of the Confederate army. At the request of the Mayor of the city the disaster was contained by Union Army forces at the direction of President Lincoln. (For once out-of-towners saved the day.)

The city and commercial district was rebuilt rapidly, resulting in many of the wonderful warehouse and commercial structures remaining, from 12th Street east to Tobacco Row, many of them ironfronts.

The great fire was not the worst thing to happen to the city. Over the years, unbridled developers and commercial interests (all from out-of-town, naturally) with the encouragement and permission of overeager politicians and civic leaders have caused many prominent features of the city to disappear, such as the great James River and Kanawha Canal system with its spectacular turning basin and locks. In a sense progress has brought loss as well as prosperity.

Richmond being at the fall line of the James River, was the eastern terminus of the waterway system developed in the 18th and 19th centuries extending by boat and railway to the Ohio River. Redevelopment of the canal in downtown was essentially lost because proponents of the vital downtown expressway system and avid preservationists engaged in fierce combat and too late sought solutions that might have provided the city the same benefits that San Antonio has reaped with its wonderful river development. Recognition of any opportunities to save the Great Turning Basin of the Canal prior to the development of the James Center came too late



The Maggie Walker House (Photo courtesy of Metropolitan Richmond Convention and Visitors Bureau).

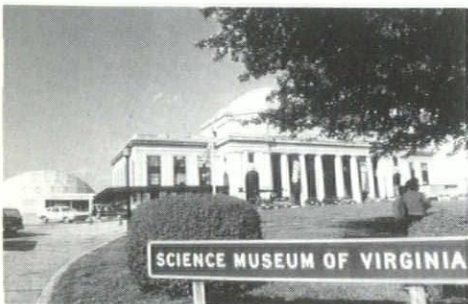
to be productive. An opportunity to bring a body of water into the downtown was lost, perhaps forever.

Simultaneously, on the cheerful positive side, many of the great landmarks of the past, such as the old City Hall, scores of structures owned by Virginia Commonwealth University at both its academic campus centered around Franklin Street, and its Medical College of Virginia campus downtown, the Loew's Theatre, the great Jefferson Hotel, a goodly portion of Franklin Street, Capitol Square, Shockoe Slip, Shockoe Bottom, the Main Street Station, the City Alms House, essentially all of Church Hill, Jackson Ward, the Fan District and recently Tobacco Row and West Broad Street have survived. Many of these are now protected in city Old and Historic Districts or by deed covenant and many have been restored and/or been adapted for vibrant reuse.

They form the nucleus for not only preserving, but promoting the character of a great (not large) city. Overall, Richmond has over the years accomplished a balance of retaining the best of its past character while proceeding at a deliberate pace with commercial progress.

However, most Richmonders, native and otherwise, urban and suburban do not wish to see the central core of Richmond become the "void" or dark hole of a characterless and ever growing suburbia.

Physically the community at this moment in time has the opportunity to create a unique urban character through preservation of the best of the remains of a fine 19th and early 20th century city with the best contemporary infill architecture.



The Science Museum of Virginia—formerly Broad Street Station (Photo courtesy of Metropolitan Richmond Convention and Visitors Bureau).

Socially and civically the city appears to be in a Renaissance mode, a very exciting era. The extraordinary cooperation over the past several years after years of mulling around, between the public and private sectors, with the black and white communities, has resulted in gradually, but hopefully moving forward together. Even developers and conservationists/preservationists have developed a dialogue. This bodes well for the maintenance and enhancement of a quality environment.

A recent article in the *Washington Post* by Donald Baker refers to the "Metamorphosis of Richmond" and speaks to the question of "The next Atlanta or the first Richmond?" The article quotes Richard T. Reinhard, executive director of the Central Richmond Association, (avid downtown promoters and sponsors of a recent symposium on the subject): "that no native Richmonder wants this to be the next Atlanta—but, the fact that a lot of people are saying *that* about this medium-sized city, is the cause of civic pride, as well as concern. We have a lot of big projects like Atlanta, but we have an awful lot of small, older buildings with character. We don't want to lose that."

The city government recently completed an essentially "citizen produced" downtown master plan and is very serious about its commitment not to lose the current momentum of

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development and especially to provide adequate public sector support. This is a dramatic change in city management attitude from the 1960s. Encouragement of housing downtown, both renovated and new is a prime concern as well, as are parking and transportation.

Fortunately, despite the great wrangle in the '70s previously referred to about the downtown expressway, the city has an exceptional and currently under-utilized expressway system completely ringed the central core and connecting to the east-west and north-south interstate system. Public use of mass transit, despite a convenient and well managed transit system is dramatically low compared with the use of private transportation. This is a statistic common to most of our "normal" urban centers (except the New York's, etc.).

Last summer, a fleet of ten trackless trolleys hit the streets of downtown. Since that time, daily ridership has averaged a remarkable 1500 people with the record set after Thanksgiving at over 4500 riders taking advantage of this unique transportation alternative.

A study has been completed and plans are currently underway to design and promote the installation of a vintage electric trolley system connecting the major downtown attractions, especially the new Coliseum Convention-Hotel Center and the new James Rouse inspired 6th Street Festival Marketplace, the revitalized retail core, through the Main Street Financial

District and the Shockoe Slip (the primary restaurant and entertainment area) and the recently restored Main Street Station/Marketplace. This system would connect these heavy population-use centers with a permanently installed, easily recognizable inexpensive transportation system, as distinctive as San Francisco's Cable Cars. Richmond had the first workable electric trolley system in the United States. Even more important the system would interconnect most of the major downtown parking facilities. In the meanwhile the trackless trolleys are providing an inexpensive test alternate connecting these major centers.

In the past few years the downtown portion of the city has been subjected to devastating floods covering a considerable acreage. Especially affected on the north bank in the downtown core has been the Shockoe Bottom area, and on the south bank valuable industrial property. Recently, after 13 years, Congress has advanced approval of construction of three miles of floodwall and levees. The current estimated cost of the project is \$95,000,000. Studies of the financial impact of the floodway conservatively estimate a potential of at least \$400,000,000 in new development in areas now being either abandoned or underused because of the recurring floods.

Inside and adjacent to the floodwall on the north bank will be the opportunity for the development of architecturally unique structures similar to those in Louisville and San Antonio.

In times past there has been intense rivalry between the city and the surrounding counties and very little cooperation. In recent years, with the moratorium on annexation, this situation has improved somewhat. Two significant projects, the airport and the baseball diamond have been stellar examples of regional cooperation. Formerly supported solely by the city of Richmond, both facilities have been completely renewed and are now supported by special authorities created by the city and the surrounding counties.

Greater appreciation seems to be widespread that a vital core city is important to the health and quality of the entire community.

New development is proceeding at a rapid pace in the 1.7 square mile downtown area as well as in the suburbs. Several dozen projects, both new and renovations are in progress downtown costing over \$300,000,000. Another dozen or so have recently been completed. More are being announced daily.

Even though the central retail district, which 25 years ago reigned supreme as *The Shopping Center* between Atlanta and Washington, has been in a long but slow decline, the opening of the 6th Street Festival Marketplace last fall has inspired a dramatic reversal of this trend. Costing more than \$25,000,000, to construct, the 6th Street Market has 66,000 S.F. of enclosed mall, and 100 small shops, restaurants, and kiosks slipped between the two main department stores, Miller & Rhoads and Thalhimers. The Market encloses 6th Street for three blocks from the Coliseum-Convention Center to the restored Carpenter Center for the Performing Arts and the rejuvenated major department stores. This was the culmination of a major community effort overseen by Richmond Renaissance, a private-public partnership formed especially to promote



Historic Monument Avenue (Photo courtesy of Metropolitan Richmond Convention and Visitors Bureau).

room hotel in 1984. The location of these facilities north of Broad Street was a signal of change in Richmond, the metamorphosis referred to by the *Washington Post*. For a hundred years Broad Street informally symbolized the dividing line racially between black and white shoppers, with the former patronizing shops to the north and the latter mostly to the south. A dramatic symbol of the end of that relationship in particular, and the beginning of a new era in race relationships is the *Bridge* over Broad Street connecting the elements of the 6th Street Marketplace. (See this issue's cover story. Ed.)

This winter Sheraton opened the grandly restored Jefferson Hotel built in the 1880s by tobacco magnate Lewis Ginter, one of the

Richmond had the first workable electric trolley system in the United States.

downtown projects. One citizen (who should remain unnamed) likened the 6th Street Market effort "to restoring a virgin's virginity." With over 1,000,000 s.f. of retail space within four blocks this retail area remains one of the largest shopping centers in the southeast. Given its location adjacent to the city and state government complexes, the Medical College of Virginia and the financial district, and connected to the Sports Coliseum and Convention Center, the future of the downtown retail area is bright.

Retail sales in 1984 were up 24%. This renewal was sparked several years ago by the \$6,000,000 renovation and restoration of the magnificent old Loew's Theatre into a performing arts center now called the Carpenter Center for the Performing Arts. This bold step by the superb Richmond Symphony not only secured a fine hall acoustically for the orchestra, but provided the community with a much needed 2,000-plus seat theatre enabling a variety of theatrical events to be attracted to the community. Along with the

The jewel of downtown is Thomas Jefferson's Classic Revival Capitol.

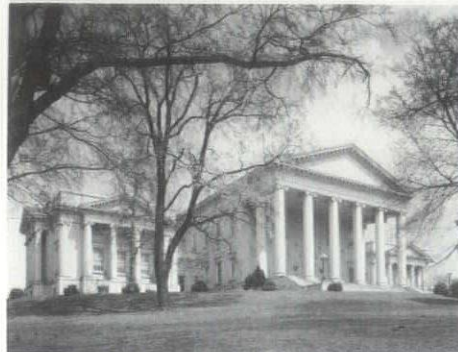
3,500 seat Mosque, the Virginia Museum's Theatre Virginia, and the many other fine smaller houses, Richmond has as viable a performing arts community as any comparable city in the nation.

Other important retail facilities downtown include the Shockoe Slip old and historic district, an area of restored warehouses and commercial buildings, most built after the Civil War, many recently restored. Fashionable shops, restaurants occupy ground floor space with professional and business offices utilizing the upper floors of the buildings in the district. Considerable expansion in this area is in the planning stages including several fine small hotels and a 300,000 plus s.f. commercial and office complex with a 1000 car underground parking deck to the south of the Slip itself.

After nearly a quarter-century of no hotel expansion, in anticipation of the 6th Street Marketplace and the Convention-Exhibit Center, Marriott opened a \$44,000,000, 16-story, 400

founders of the American Tobacco Company. The 300 room hotel has undergone a \$32,000,000 renovation that restores its standing with the great hotels of the country such as the Carlton in Washington and the Plaza in New York. Additionally a 16-story, 300-room Ramada Renaissance and an Omni Classic Hotel will open soon on the east and west ends of CSX Corporation's James Center being developed along Cary Street by Faison Associates. This six building project, under construction, is estimated to cost over \$200,000,000. By the end of 1987 there will be over 2500 hotel rooms available within the central business district.

The most highly developed new section of downtown extends from Main Street south to the James River. Within this area is the financial and office center of the metropolitan area. Most of the 5,000,000 plus s.f. multi-tenant office space is located in or adjacent to this area along with the headquarters of the Fifth District Federal Reserve Bank as well as the central offices of the Sovran and United Virginia Bank and the Bank of Virginia.



Mr. Jefferson's Capitol. (Dementi photograph)



One of the GRTC's fleet of Trackless Trolleys in Shockoe Slip (Photo courtesy of Metropolitan Richmond Convention and Visitors Bureau).

Throughout the area are nationally prominent law, accounting, investment banking, advertising, public relations, real estate, insurance and architectural firms. Four Fortune 500 Companies have their headquarters in the central city, a dozen others are within the metropolitan area. Some major cities have the headquarters of only several Corporations of this prominence.

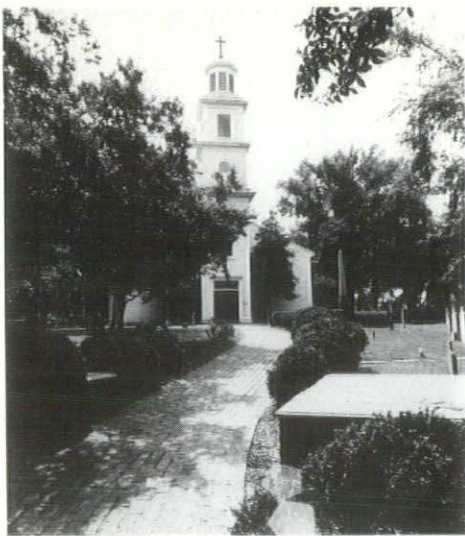
To the west of the central core is Franklin Street, a most distinctive and historic street connecting the Capitol with Virginia Commonwealth University, on which are located several hotels, including the Jefferson, private and public clubs and the Main Public Library.

Further west, Franklin Street connects to Monument Avenue lined with mansions and churches, one of the grandest boulevards in the world, now a city Old and Historic District. It has been called the Champs Elysees of the old South. The street was dedicated to the heroes of the Confederacy and surrounded by the vast turn-of-the-century, National Landmark Fan District residential area.

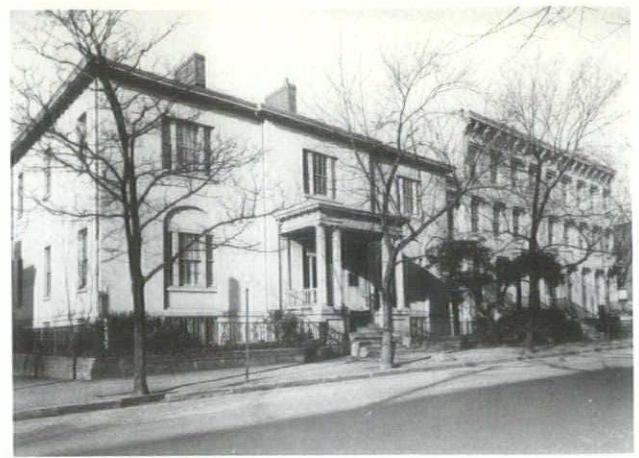
Intersecting Monument Avenue running north and south is The Boulevard another magnificent street on which are located the Virginia Museum of Fine Arts, a wonderful world class museum,



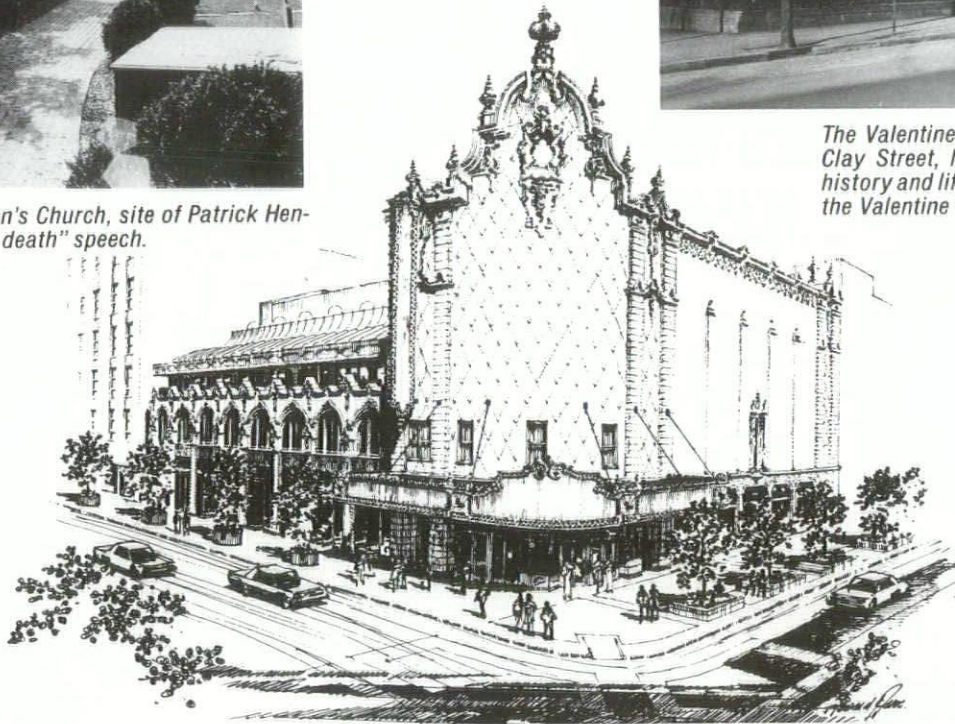
The Equestrian Statue of George Washington, in Capitol Square, Richmond. (Va. State Chamber of Commerce photo)



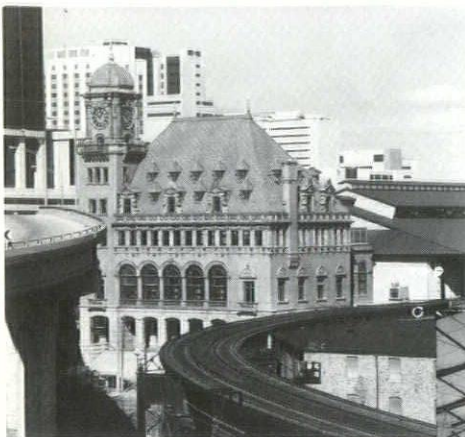
Historic St. John's Church, site of Patrick Henry's "Liberty or death" speech.



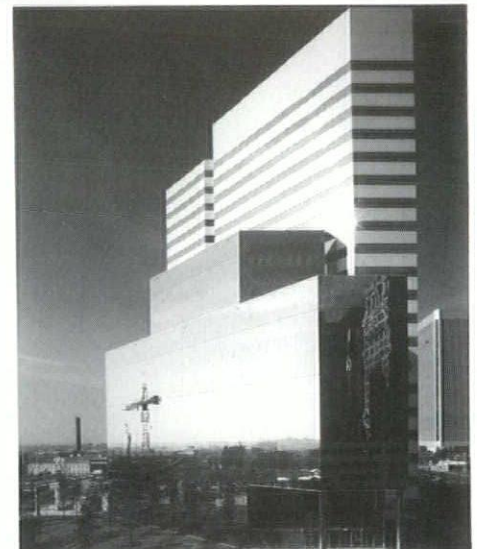
The Valentine Museum buildings, viewed from Clay Street, house a superb inventory of the history and life of Richmond. (Photo courtesy of the Valentine Museum, Richmond, Virginia)



The renovation and restoration of the magnificent old Loew's Theatre into a performing arts center now called Carpenter Center, sparked the further renewal of the central retail district. (Sketch courtesy of Marcellus Wright Cox & Smith)



Recently restored Main Street Station/Marketplace. (photos courtesy of Whitney Cox)



Part of the growing area from Main Street to the James River, CSX Corporation's six building James Center is being developed along Cary Street. (Photo courtesy of the James Center)



Renovations, which when completed, will result in this view of Richmond International Airport, were made possible through enhanced regional cooperation. The former Byrd Airport is now supported by a special authority created by the city and the surrounding counties.

and the Battle Abbey housing the great collections of the Virginia Historical Society whose past Presidents included Chief Justice John Marshall.

To the east is the old City 17th Street Market Place, with origins early in the 18th century, recently renovated, and Shockoe Bottom with its newly restored magnificent Main Street Station and Train Shed skillfully adapted as an enclosed Mall of shops and restaurants. Shockoe Bottom contains many significant historic structures among them one of the earliest Masonic Temples whose members in the 18th Century included George Washington and James Madison. Further to the east, extensive plans are in place to renovate the city's Tobacco Row

Tobacco Row, in time, may become the "Georgetown" of Richmond.

into housing, offices and shops. Fronting along the canal and river, in time this may become the "Georgetown" of Richmond.

Immediately north is the Church Hill old and historic district, one of the first areas in town to come under the restoration efforts of the highly effective Historic Richmond Foundation.

Massive renovation has occurred in this area since 1950. It is one of the showplaces of the city with its elegantly restored houses, with several churches and schools converted to condomini-

ums. St. John's Church where Patrick Henry delivered his "Liberty or death" speech, is its centerpiece.

Moving west from Church Hill out Broad Street, the Medical College of Virginia Complex contains a 1000 bed teaching hospital and one of the finest medical and dental centers in the country. Sprinkled throughout MCV's campus are such architectural and historic gems as Thomas U. Walter's 1st Baptist Church, Robert Mills' Monumental Church and the unique Egyptian Building. Nearby is Heritage Square with the Valentine Museum housing one of the finest textile collections in the country as well as a superb inventory of the history and life of Richmond. One of the museum's major buildings is the Wickham-Valentine House, a grand town mansion unique in the nation. A block away is the elegant contemporary Museum and the restored Whitehouse of the Confederacy.

The jewel of downtown is Thomas Jefferson's Classic Revival Capitol and the Governor's Mansion both situated in the middle of Capitol Square with its equestrian statue of George Washington. Immediately to the West are St. Paul's Church containing a fine collection of Tiffany windows, and St. Peter's Church, the site of the first Roman Catholic Cathedral in the city.

Richmond is surrounded by other superb residential districts including Jackson Ward now a National Historic District containing fine 19th century buildings and houses undergoing restoration. To the west from the river to the north-side are magnificent residential areas such as Ginter Park, Windsor Farms and Westmoreland Place among others, all developed in the first half of this century.

Beautiful parks abound such as Byrd Park and its adjacent Maymont on the James River,

with its ornamental and zoological gardens. To the north is Bryan Park and just further north of the city line, the Lewis Ginter Botanical Garden is being developed at Bloemendaal Farm into a major world class botanical and horticultural institution. A major gift by Grace Arents, a niece of Major Lewis Ginter developer of the Jefferson Hotel, initially endowed this project. One should not leave Richmond without a visit to the Hollywood Cemetery, truly a masterpiece of a park as well as a burial ground. Its architecture is as notable as those now "residing" there. Three Presidents are buried there including Jefferson Davis of the Confederacy, among others.

The former Broad Street Station designed by John Russell Pope, west of the downtown core, has been restored and converted to the Science Museum of Virginia with one of the country's unique planetarium systems.

Richmond is living up to its past and is a city on the move. It has the unique opportunity to stay a livable city, with a quality of environment scaled to real people, and to match and surpass not only smaller cities such as Charleston and Savannah in these qualities, but to provide the excitement of larger centers such as New Orleans, San Francisco and Seattle without the problems that their size seems to dictate.

The chance is there. Come and see it for yourself. Welcome to the Eternal City!

Richmond is living up to its past and is a city on the move.

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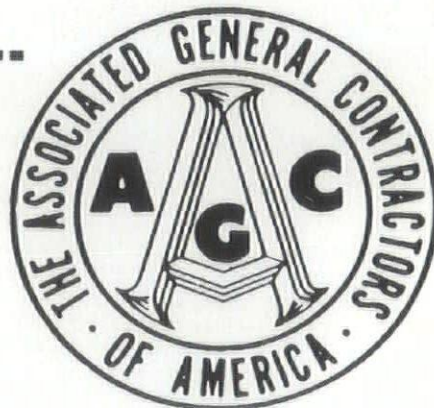
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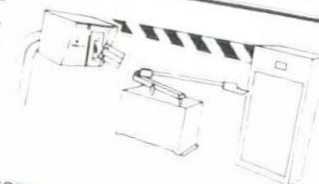
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6th Street Marketplace

Wallace, Roberts, Todd — Architect

In Association with Marcellus Wright Cox & Smith
with The Dickerson Group

Owner: Richmond Festival Marketplace Partnership • Client: Enterprise Development Corp. • Location: Richmond

Associated/Consulting Architect, Marcellus Wright Cox & Smith with The Dickerson Group • Project Architect/Designer/Landscape Architect, Wallace Roberts & Todd • Interior Designer, Enterprise Development/WRT • Site Engineer/Surveyor, Chilton Engineering • Structural Engineer, Harris Norman & Giles with Worsley Associates • Mechanical/Electrical Engineer, HC Yu & Associates with Jackson & Tull • General Contractor, The Whiting-Turner Contracting Company • Photography, Whitney Cox.

The 6th Street Marketplace is the centerpiece of Richmond's plan to reinforce the vitality of its downtown retail core.

The Marketplace is 64,000 square feet of retail shopping space containing 100 shops, kiosks and push carts extending the length of 6th Street from The Carpenter Center for the Performing Arts, at Grace Street, three blocks north across Broad Street to the Richmond Coliseum.

On the south side are shops under a glass enclosed structure with entrances to Miller and Rhoads and Thalhimers, the city's main anchor department stores.

The arched Bridge over Broad Street is more than a path for the expected two to three million visitors to pass over each year, linking the retail shops north and south of the city's main east-west thoroughfare. The Bridge symbolizes the image of a harmonious place for people of all races and backgrounds to congregate, a city proud of its historic and significant past yet anticipating an exciting and energetic future.

The structure itself marries a number of retail and restaurant locations while connecting to others on the north side. Included is the Crystal Palace, a vast glass structure encompassing the restored facade of the Blues Armory.

The project costing \$23,000,000 was developed by James W. Rouse through his Enterprise Development Corporation and opened in September of 1985.

The construction was complex as was the financing. The buildings were required to fit into a variety of adjacent structures and included the relocation of numerous utilities. Matters were further complicated by the extraordinarily short construction period, less than 16 months. The public-private financing included the City of





Richmond, Richmond Renaissance, Inc., Miller and Rhoads and Thalmers, borrowing directly from banks and industrial revenue bonds. The facility is owned and operated by the Richmond Festival Marketplace Partnership as an affiliate of Enterprise Development Company, which meets operating expenses, pays back the loans and shares in the profits with the city.

A number of previous attempts had been made to bridge 6th Street, but James Rouse with his reputation as developer of Baltimore's Harbor Place and Boston's Faneuil Hall amongst others was enticed to Richmond by civic and business leaders. With the promise of cooperation from the community, he sensed the development opportunity was indeed here and the place was 6th Street.

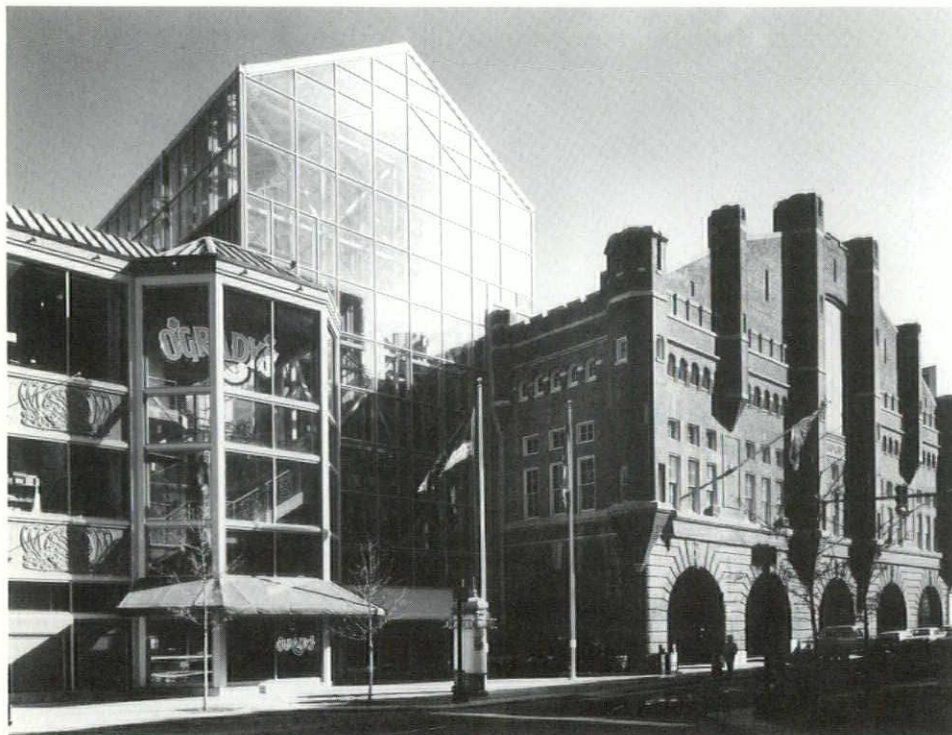
Located in the middle of a still vital but ebbing retail district, the Marketplace would join the newly restored and renovated \$7,000,000 Carpenter Center for the Performing Arts, the City's Project One, a new Marriott Hotel, a new Convention Center, the city's sports Coliseum and a new 800 car parking deck.

The planning process was unique. A feasibility and design study was promoted, financed and developed by Richmond Renaissance and the Enterprise Development Corporation. The concept design was developed by Marcellus Wright Cox & Smith with the Enterprise Development Corporation. Wallace Roberts and Todd, the designers of Norfolk's Harbor Place for James Rouse, joined Marcellus Wright Cox & Smith and numerous other specialists and engineers as a project team to produce the final design.

The engineering systems involved an innovative and efficient ice storage refrigeration design for cooling.

The structure is simple, and only complicated by the sensitive connections necessary to fit and integrate the Marketplace into the existing cityscape.

The real excitement of the Marketplace is not only in the rising glass atriums, spectacular





glass Crystal Palace and Bridge, but in the merchandising mix and selection of activity which Mr. Rouse assembles to create his special festival atmosphere. He and his organization have a magician-like talent in producing a special shopping excitement needed in every city. Visitors to the Marketplace will find a unique, fun environment in which to eat and shop. Two stages offer frequent entertainment by a variety of groups. A new \$850,000 outdoor park adjacent to the Coliseum houses an outdoor stage, a fountain, and a sculpture depicting a Blue's Infantry Sentry.

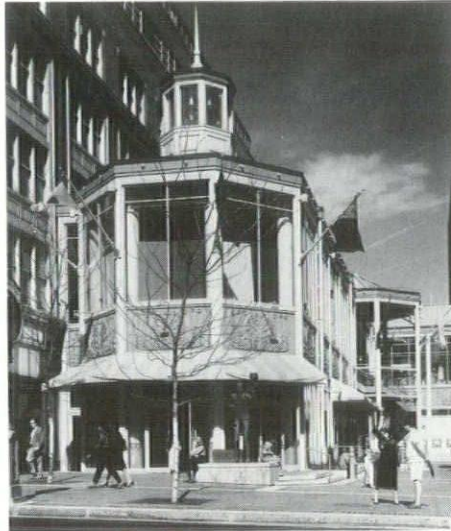
The 6th Street Marketplace was carefully conceived to evolve as the hub of excitement in the Richmond Metropolitan area.

The Whiting-Turner Contracting Company of Richmond was general contractor for the project.

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(Richmond firms unless noted)

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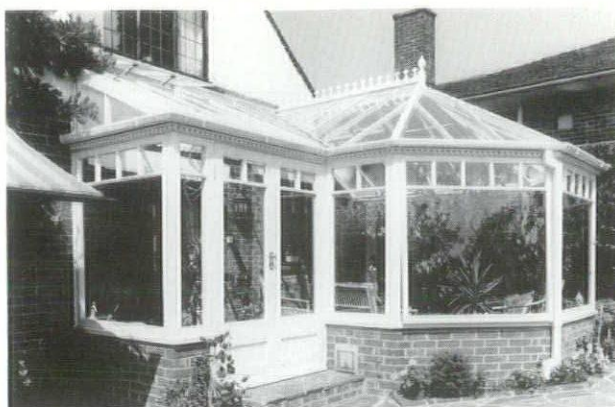
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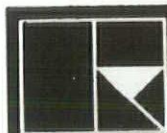
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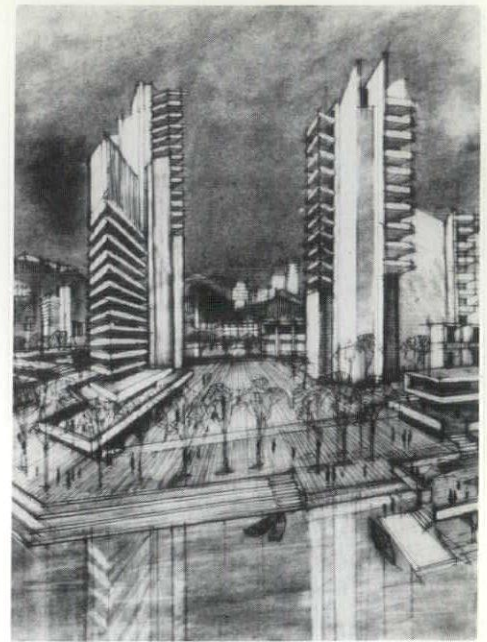
UNBUILT RICHMOND:

Unrealized Architectural Visions of a City



by

K. Richmond Temple



1.

Virginia's capital has much to delight architects and architectural historians. Nineteenth century designs by Thomas Jefferson and Elijah Myers mingle with those from our own century by John Russell Pope and Gordon Bunshaft. Walking about Richmond and admiring the work of these form-givers brings to mind John Ruskin's dictum that, "Architecture is an art for all men to learn because we are all concerned with it."

There is another Richmond, however, which few have seen. Filed away and forgotten are plans of an entirely different capital city — unbuilt Richmond.

The renderings shown here constitute but a single tile in a large mosaic depicting a city that never will be. This photo-essay is not meant to be exhaustive, since there exist many more examples than there is space here to discuss them.

Why weren't these structures built?

In several cases it is impossible to know precisely why a design was not carried forward.

For some projects, the architect had every expectation that his work would be executed. This is apparent where the plan was submitted in an architectural competition, but was rejected because of cost or aesthetic considerations. The plans, for example, of Marcellus Wright, Sr., and Paul

Cret for a Virginia World War I Memorial won first prize in a 1925 competition, but citizens objected so loudly to the design that it was abandoned altogether.

In other instances, the drawing is what could be termed a conceptual or hypothetical study, never meant to be carried out. William Moseley's "Environmental Umbrella House," and Carlton Abbott's renderings for highrise development near the James River both fall in this category.

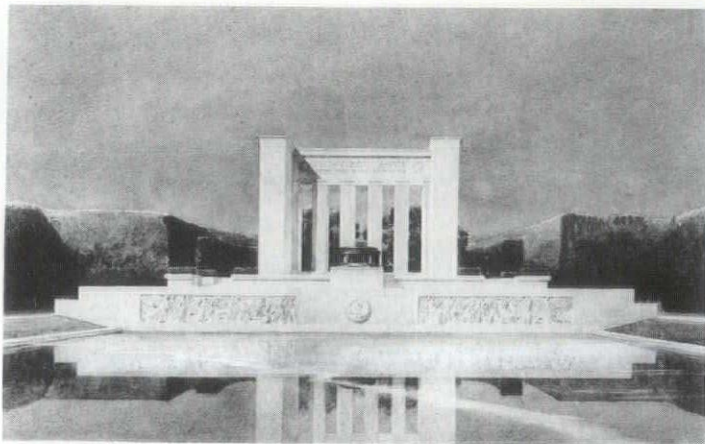
Hard to ignore is the question of why we should show any interest in a cityscape that for whatever reason never will be.

That a design has actually been built should no longer be the sole focus of architectural history. A thorough study of building styles and techniques must embrace *both* the built and the unbuilt. As French author and critic Michel Ragon accurately observed in his book *Retrospective de la prospective architecturale*, "The history of architecture closely resembles an absurd history of lost chances."

Further, few would challenge the idea that architectural renderings are objects in themselves. That they may depict unrealized projects is beside the point. Anyone who has seen a display of, say, Frank Lloyd Wright's conceptual drawings for a mile-high skyscraper jabbing vertiginously skyward, or admired the evocative engravings of Piranesi, or marveled at the Art Deco-styled renderings of Hugh Ferriss or Norman Bel Geddes will attest to the contribution these have made to our understanding man's capacity for creative genius.

The unbuilt has had an impact, sometimes dramatic, on projects carried through to completion. Indeed, a city that was never built inspired a generation of urban planners and cast its shadow across cityscapes many inhabit today. When Le Corbusier's plan for a city of three million inhabitants, dating to 1922, was recently superimposed on the jungles of South America by Oscar Neimeier at Brazilia, it had memorable, if not disastrous, consequences.

A catalogue of the unbuilt can serve contemporary designers with a virtually endless source of material. "Post-modernism," a new idiom which has recently emerged as an exuberant riposte to the spartan purity of the International Style, is overtly historicist. Post-modernist architects borrow freely from the past when designing — some might be tempted to say embellishing — new structures. Yet today's designers need not restrict their vocabulary to the built, for they may also seek inspiration from that which never was. The unrealized stands on par with the realized as a



2.

ABOUT THE AUTHOR: Mr. Temple is an attorney now a graduate student in the School of Journalism at the University of North Carolina-Chapel Hill.

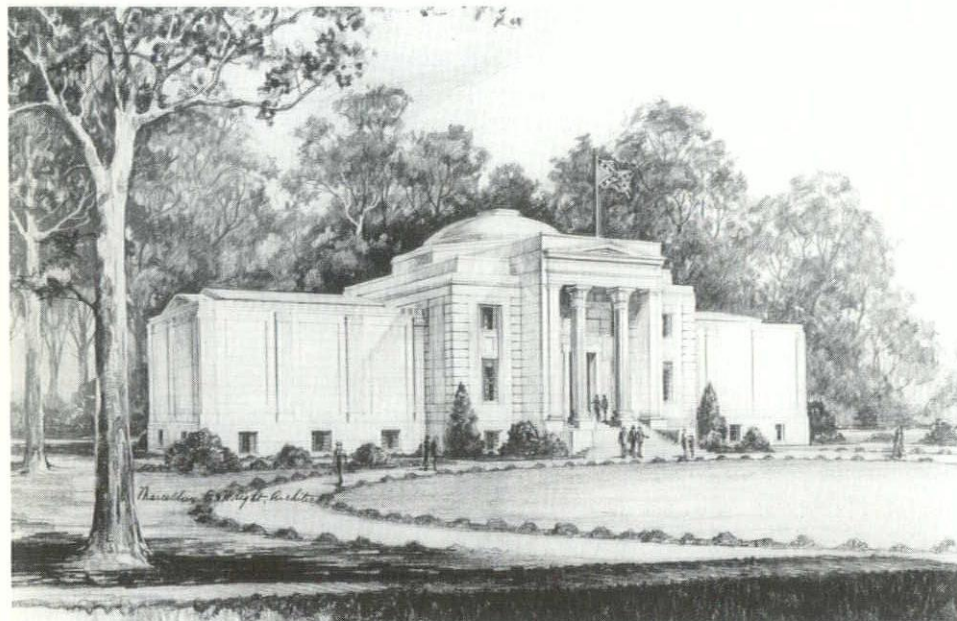
source of ideas for those seeking to escape the imperatives of Mies van der Rohe and Walter Gropius, two who deified the glass-walled, rectilinear box.

In *Survival through Design*, modernist architect Richard Neutra wrote: "Architecture is a social art. It became an instrument of human fate because it not only caters to our requirements, but also shapes and conditions our responses. It can be called reflexive because it mirrors a program of conduct and living. At the same time this art of a planned environment does more, it also programs our daily conduct and our entire civilized life."

Neutra, of course, was writing about structures and urban scapes that had been completed, which people could walk through and around. His remarks, however, seem equally applicable to the unbuilt, for it too is a mirror of the living and a window with a view of our hopes.



3.



4.

UNBUILT RICHMOND

1.
Designer: Carlton Abbott
Project: Waterfront Development along the James River
Date: 1968
Status: Conceptual drawing

For the last twenty years or so Richmond's riverfront has been the focus of increased interest on the part of designers, city planners, developers and recreationists. Carlton Abbott envisioned a series of highly stylized towers clustered about the Haxall Millrace, and on the southwest tip of Brown's Island. His plans for this area included a small theatre, outdoor exhibition space, restaurants and a boat concession.

Original color renderings are in the Richmond City Planning Office, 5th Floor, City Hall.

Source: "James River Park Development Narrative Report," S. W. Abbott, 1968.



2.
Designers: Marcellus E. Wright, Sr., Richmond
Paul P. Cret, Philadelphia, PA
Project: Virginia War Memorial
Date: 1925
Status: Project abandoned due to citizen opposition to design

In the mid-1920s the Virginia General Assembly generously appropriated \$225,000 for a World War I Memorial. A competition was duly held before the Virginia War Memorial Commission. Seven final submissions were examined and the Wright-Cret entry won unanimous approval.

On the front of the memorial, facing a reflecting pool, was a relief sculpture depicting the battle-front. The rear carving honored the homefront. To the rear was a memorial grove with a secluded area appropriate as the final resting place for an unknown soldier, or a marker or tablet.

Many Virginians were dissatisfied with the design, and, led by the D.A.R., mounted a campaign to persuade the state legislature to erect a "singing memorial" or carillon. Their lobbying paid off, and The Carillon, near Richmond's Byrd Park, was built.¹ Designed by the renowned Ralph Adams Cram, it was completed in 1932.

The original rendering hangs in the lobby of the Shockoe Slip offices of Marcellus Wright Cox & Smith.

¹Richmond Times-Dispatch, 21 October, 1925, p. 1
Richmond Times-Dispatch, 25 October, 1925, p. 1 & 14
Richmond Times-Dispatch, 13 November, 1925, p. 1
Richmond Times-Dispatch, 22 November, 1925, p. 1
Richmond Times-Dispatch, 23 November, 1925, p. 1



3.
 Designer: Saunders, Pearson, Appleton & Partners, Alexandria, VA
 Oliver, Smith, Cooke & Lindner, Richmond and Norfolk, VA
 Techton, Inc., Philadelphia, PA
 Project: Terrace Office Structure for South Lawn, Virginia State Capitol
 Date: 1972
 Status: Project abandoned after vocal citizen opposition

If any project in this article deserves to be called notorious, it is this one. When the plans for this expansion were made public in late 1972, prior to the annual General Assembly session, they touched off a furor. The public outcry was so unanimous, that the backers of this scheme wisely beat a speedy retreat.

From the *Richmond Times Dispatch* article printed at the time:

"The top terrace line would be at the present level of the driveway in front of the Capitol's South Portico, preserving the present sight line view of the Capitol and also providing for a great public plaza in front of the present building.

"Six structural levels of various heights would range downward to Bank Street.

"The Lowest levels, well below that of Bank, would provide parking space for some 315 automobiles.

"The next level would include dining and kitchen facilities for Senate, House and public.

"Next would come tiers of space for committee rooms, the Division of Statutory Research and Drafting, offices for senators and delegates and other staff offices.

"The higher would include meeting rooms for Senate and House, with public galleries and sky lights.

"Interior courtyards for the new structures would go down to the lowest levels with ample windows, and landscaping. Plans call for careful preservation of trees, shrubs, fountains and the park-like atmosphere of Capitol Square."

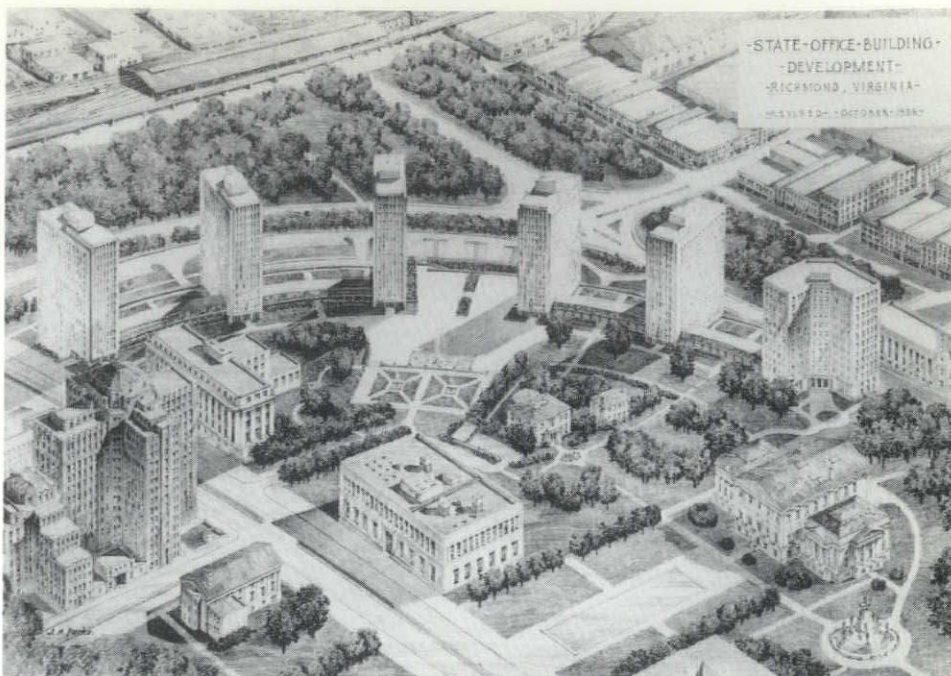
¹*Richmond Times-Dispatch*, 29 December, 1972, p. A-1, "Capitol Expansion Urged," James Latimer.



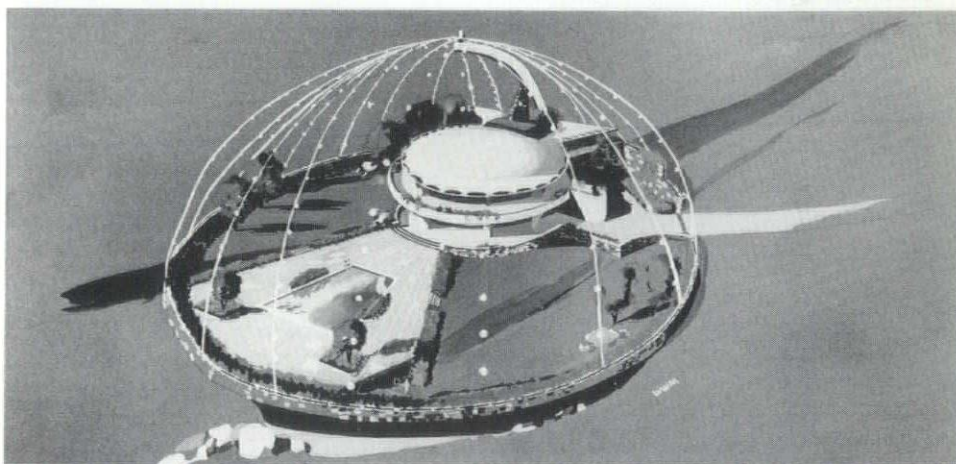
4.
 Designer: Marcellus E. Wright, Sr.
 Project: R.E. Lee Camp Memorial Hall
 Date: ca. 1950
 Status: Conceptual drawing

This mausoleum-like marble edifice would more than likely have been built on the site of the Confederate encampment where the Virginia Museum now stands.

Source: *Marcellus Wright Cox & Smith*



5.



6.

5.
 Designer: Marcellus E. Wright, Sr. (?)
 Rendering: J. A. Parks
 Project: Master Plan for Future Development of Virginia State Capitol
 Date: 1953
 Status: Conceptual drawing

Only one building in the semi-circle of 5 identical modern highrises was built according to Wright's (?) plans. The Jefferson Building (second tall structure from the right), was designed in collaboration with Merrill C. Lee. It was completed in 1956.¹

Note that in this aerial view that Old City Hall has been demolished, along with equally historic Morson's Row (1853). Governor Street has been converted into a driveway to the Governor's Mansion, and otherwise transformed into a landscaped park. The Finance Building (1895) has also been torn down, and Capitol Street, now site of the Darden Court, has also been closed and landscaped. Extensive underground

parking was to be in the hillside beneath the new towers.²

Source: *Marcellus Wright Cox & Smith*

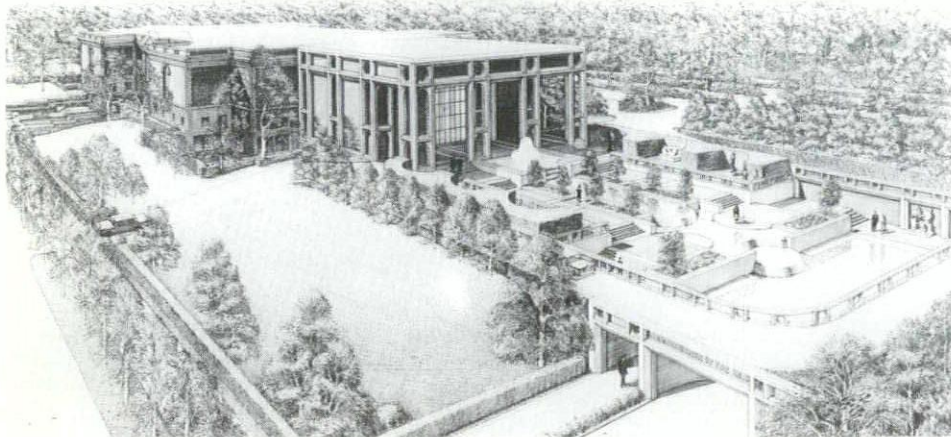
¹R. Winthrop, op. cit., p. 32.
²*Ibid.*, p. 30-1.



6.
 Designer: William W. Moseley
 Project: The Environmental Umbrella House
 Date: ca. 1966
 Status: Conceptual drawing

"With the increasing emphasis on health, education, and the like, it may become increasingly difficult to stay within traditional approaches to architecture. Our styling will continue to be with us, but it will be more streamlined.

"We look to the round shape of the flying saucer as the shape of the future, and certainly the



7.

materials we will be using will lend themselves to circular shapes. However, other forms could increase in popularity.

"The bubble itself will probably be powered by an atomic generator whether furnished by the city or individually owned, and that same atomic reactor will be used to operate pushbutton work areas. Some of the drudgery of housework is already being eliminated by the use of central vacuum systems, infra-red cooking and the like. Much more is likely to be eliminated in the future.

"The air would be filtered, of course — no pollen, no air pollution. Everybody would be healthier."

—William W. Moseley
ca. 1966

Original rendering is with Mr. Moseley at MHA Architects.

7.
Designer: Robert W. Stewart
Architects: Baskervill & Son
Project: New North Wing, Virginia Museum
Date: 1965
Status: Design rejected by Virginia Art Commission

"The proposed new North Wing is the focus of the public areas of the Museum, and its design extends beyond the building to the visitor's point of arrival. Motorists driving south on the Boulevard will turn into a short tunnel. Through openings in the wall on their left they will see the portico of the North Wing rising above a terraced sculpture garden, sparkling with fountain and reflecting pool, reminiscent of Baroque water gardens. Turning left at the end of the tunnel, they will drive up a ramp behind the west wall of the garden. At the top, they may either turn right into an enlarged, beautifully landscaped motor park or proceed left into the portico to discharge passengers. On leaving the portico, they can either go back onto the Boulevard or drive around the garden again on an upper level to reach the motor park."

—Robert W. Stewart
Arts in Virginia
Fall, 1965

There is a color transparency which virtually duplicates this view, but it is of the model.



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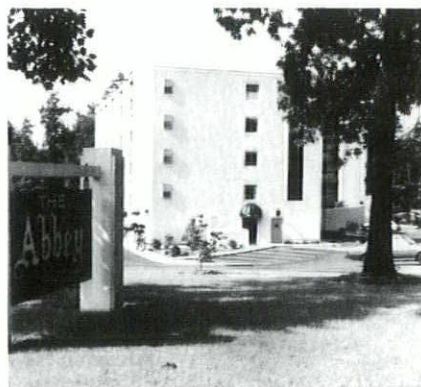
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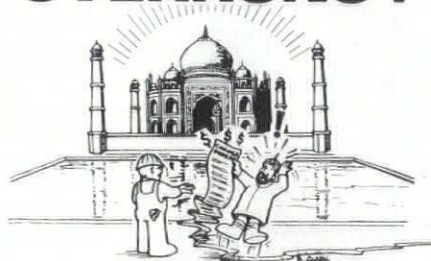
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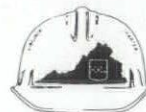


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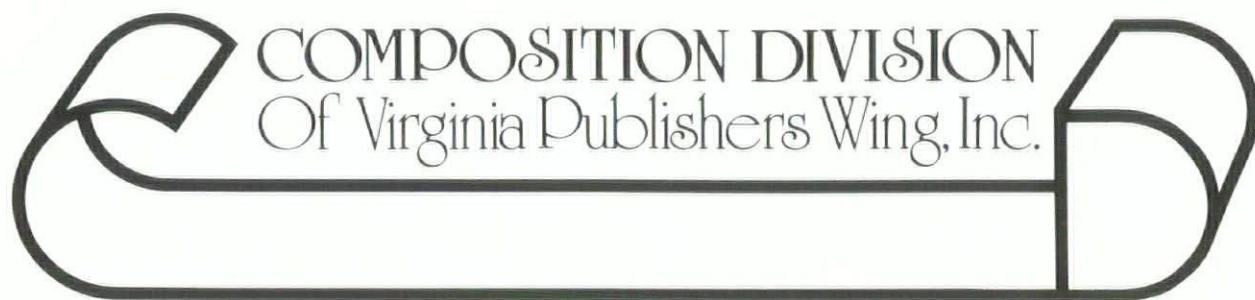


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VIRGINIA SOCIETY AIA NEWS



National Convention San Antonio, Texas

VSAIA WAS WELL REPRESENTED at the National Convention held recently in San Antonio, Texas. Among those attending were the VSAIA officers and board members pictured above: (back row, l-r) Curtis R. Jennings, Jr., AIA — 2nd Vice President; Nicholas E. Viattas, AIA; Robert A. Boynton, AIA — First Vice President/President Elect; Marvin J. Cantor, AIA — Secretary; G. Lawson Drinkard, AIA; and (front row, l-r) Glenn P. Reynolds, AIA; Lynn Goodwin Hudson — Executive Vice President; and William C. Monroe, AIA — President.

AWARDS & RECOGNITION

Richmond Firms Earn Award for Commercial Development Design

Ernie Rose, Inc., a Richmond architectural firm, and Higgins Associates, Inc., a Richmond-based landscape architecture and land-planning firm, have earned the first Laszlo Aranyi Memorial Design award from the Virginia Beach Arts and Humanities Commission in the commercial development category.

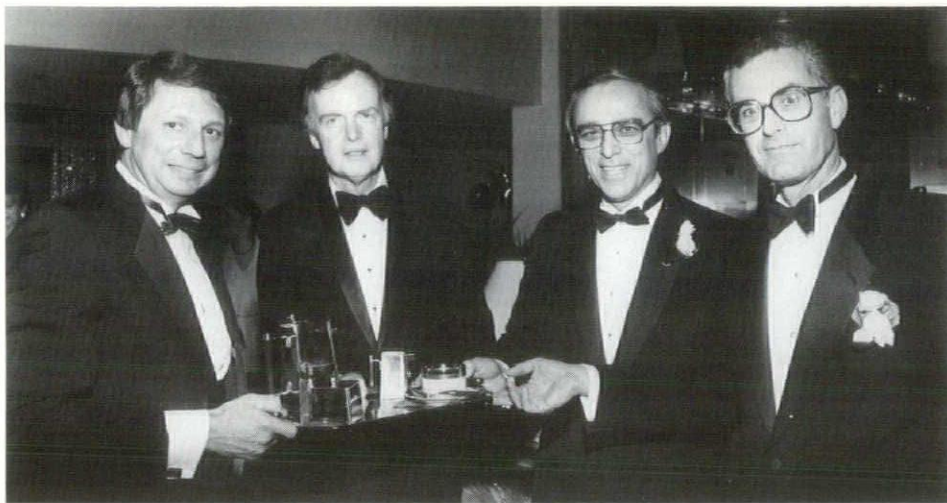
The award was presented for work done on Greenwich Commons, a Virginia Beach office building that was developed by Rowe development Company of Richmond. Galloway Corporation was the General Contractor for this project.

Approximately 90 entries were judged, and this was the only award given for excellence in design for a commercial development. The award is named for a prominent Tidewater area architect.

Dewberry & Davis Ranked 52nd Largest in U.S.

Dewberry & Davis, a 1,000-person architectural/engineering firm headquartered in Fairfax, was recently ranked the 52nd largest design firm in the nation, according to *Engineering News-Record* magazine's annual "Top 500 Design Firms" survey. The largest design firm headquartered in the state, Dewberry & Davis advanced from the 58th position in the 1985 national survey. The rating appeared in the magazine's May 15th, 1986 issue.

Currently celebrating its 30th anniversary, Dewberry & Davis maintains 12 offices and provides architectural, engineering, planning, and surveying services for office/commercial, institutional transportation, and industrial projects throughout the world. Current design projects include the new Dulles wing of the National Air & Space Museum, which will house the space shuttle Enterprise; a 17-story office tower addition to the First American Bank headquarters in McLean; improvements to a 15-mile section of Virginia State Route 28 to accommodate growth in the rapidly developing area near Washington Dulles International Airport in Fairfax/Loudoun Counties; an Olympic Festival velodrome, to be the site of bicycling events during the 1987 Festival games in Raleigh, N.C.; and design of missile/motor magazines at Kings Bay, Ga., for OICC TRIDENT.



Architects Express Appreciation

The architects for Renaissance Centre, a new hotel and office complex opposite Dulles Airport, presented a silver coffee service to the GT Group, owners of Renaissance Centre, at recent grand opening ceremonies. The gift was made by Lewis/Wisniewski & Associates in appreciation for their having worked with GT on the project. Shown at the presentation are (left to right): Partners Joe Wisniewski and Ray Lewis; Victor G. Trapasso, president and chief executive officer of the GT Group and Dr. John E. Gibson, executive vice president of GT.

CHK Design for Asbury Methodist Home Receives MD. AIA Award of Excellence

The Asbury Methodist Home, an assisted living facility for the elderly designed by CHK Architects and Planners, has received a 1986 Award of Excellence for Distinguished Architecture from the Maryland Society of the American Institute of Architects. (The project was featured in the March/April issue of *VIRGINIA RECORD*. Ed.) The jury commented that the building is "A noble structure, which resolves the problem of large institutional buildings with dignity and grace."

The Home is the newest addition to the Asbury Methodist Village, located on Russell Road in Gaithersburg, Maryland, which maintains two other facilities for elderly housing. One building is devoted to 393 independent living apartments, while the Wilson Health Care Center is a 279-bed nursing home.

The eight-story, \$6.8 million Asbury Methodist Home has over 200 suites, designed to allow

elderly residents to live independently, while providing assistance when necessary. Two floors are devoted to residents who need a greater amount of assistance with medication, housekeeping, bathing and dressing. All meals are provided for the residents.

"One design aspect which sets this building apart from many other facilities for the elderly is the use of suites, rather than single rooms," according to Jack Cohen, senior partner, CHK Architects and Planners. "Each suite has a living/sitting room, a bedroom and a bathroom. This is extremely important to long-term residents, as it is difficult to live comfortably in a single, hotel-style room where all activities — eating, sleeping, socializing or watching television — tend to merge."

CHK is headquartered in Silver Spring, Maryland, and maintains a second office in Arlington, Virginia.

CHAPTER NEWS

TIDEWATER VIRGINIA CHAPTER



M. Stanley Krause, Jr.

Governor Appoints Krause

M. Stanley Krause, Jr. of Newport News has been appointed by Governor Gerald R. Baliles to the state's Art and Architectural Review Board for a four-year term. The Board meets monthly to review and advise on the design and location of state facilities, and works of art to be accepted or acquired.

Mr. Krause is a partner in the architectural firm of Rancorn, Wildman and Krause and is currently serving as Vice-Chairman of the Newport News Planning Commission.



Renee M. Payne

Mrs. Payne Elected to SAA National Committee

Renee M. Payne, president of the Tidewater Chapter Society of Architectural Administrators has returned from the national convention of the American Institute of Architects and the Society of Architectural Administrators, held in San Antonio, Texas, June 5th through 11th.

While there, Mrs. Payne was elected to the National Nominating Committee to select next year's candidates for the SAA's National Offices. The SAA provides a training and support network for the business of architecture and has 560 members throughout the United States, including 20 in the Tidewater Chapter.

Mrs. Payne is office manager for Magoon/Guernsey Architects in Williamsburg.

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CONSTRUCTION NEWS

Richmond Firm Awarded Tobacco Company Contract

Freeman and Morgan, Architects, P.C., announces that the firm has been awarded the contract to design a new office and manufacturing addition to American Tobacco Company in Hopewell, Virginia.

The project includes an addition to the existing Flavoring Plant and an office facility for American Tobacco's engineering department. Construction costs are estimated to be \$4,000,000.

Taylor and Parrish Construction, Inc., are the general contractors with construction estimated to begin during the summer of 1986. The project manager representing Freeman and Morgan Architects will be Jack Shady, with Nolen-Frisa-Brooks as consulting structural engineers and CEK, Inc. as consulting mechanical and electrical engineers.

Freeman and Morgan, Architects, P.C., founded in 1955, currently has projects under construction in six states, including five projects in the Boston area and two in Philadelphia.

CORRECTION

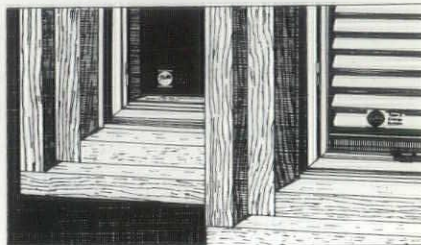


RED HILL ELEMENTARY SCHOOL
Architect: Vickery Moje Drinkard Oakland Architects, Charlottesville
General Contractor: J. E. Jamerson & Sons, Inc., Appomattox
Photograph: Harlan Hambricht

In the coverage of the James River Chapter, AIA 1985 Design Awards Competition, on pages 12 and 13 of the March/April 1986 issue, the General Contractor for one of the Honor Award winning projects was incorrectly credited. The cor-

rect information on Red Hill Elementary School is shown above. J. E. Jamerson & Sons, Inc. of Appomattox was the General Contractor for this fine project. Our apologies.

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INFORMATION AND SERVICES

America's 10 Best Buildings in 1985 and 1885 Are Featured in Exclusive AIA Forum Report

The 10 "most successful examples of architectural design in this country" have been selected by Fellows of The American Institute of Architects in a poll conducted last year by the AIA Foundation's Forum for Architecture.

The exclusive report, published in the Forum newsletter, contrasts the results of the 1985 poll with those of a similar survey conducted in 1885 by the magazine *American Architect and Building News*.

Based on 170 responses from members of the AIA College of Fellows, the 10 best buildings (in order of preference) for 1985 are:

- Falling Water, Bear Run, PA, designed by Frank Lloyd Wright, 1937 (named by 64 percent of the voters);
- Seagram Building, New York City, by Ludwig Mies van der Rohe with Philip Johnson, 1958;
- Dulles Airport, Chantilly, VA, by Eero Saarinen, 1962;
- University of Virginia, Charlottesville, by Thomas Jefferson, 1817-26;
- Robie House, Chicago, by Frank Lloyd Wright, 1909;
- Trinity Church, Boston, by H. H. Richardson, 1872-77 (the only building named in both polls);

- East Wing, National Gallery of Art, Washington, DC, by I. M. Pei & Partners, 1969-78;
- Rockefeller Center, New York City, by Reinhard & Hofmeister; Corbett, Harrison & MacMurray; Hood & Foulhoux, 1931-40;
- Johnson Wax Building, Racine, WI, by Frank Lloyd Wright, 1936-39 and 1950;
- Monticello, Charlottesville, by Thomas Jefferson, 1769-82 and 1793-1809.

In the 1885 poll, *American Architect and Building News* asked its readers to mail in postcards with nominees for "the ten buildings which the subscriber believes to be the most successful examples of architectural design in this country." There were 75 responses. The top 10 vote-getters were overwhelmingly from the East Coast, and half were designed by one architect, H. H. Richardson.

In order of preference, the favorite buildings of America's architects in 1885 were:

- Trinity Church, Boston, by H. H. Richardson, 1872-77 (nominated by 84 percent of the voters);
- U.S. Capitol Building, Washington, DC, designed by William Thornton, Benjamin Latrobe, Charles Bulfinch, Thomas U. Walter et al., 1800-present;

- W. K. Vanderbilt House, New York City, by Richard Morris Hunt, 1881;
- Trinity Church, New York City, by Richard Upjohn, 1839-46;
- Third Judicial District Courthouse ("Jefferson Market Courthouse"), New York City, by Frederick C. Withers and Calvert Vaux, 1874-77;
- Connecticut State Capitol, Hartford, by Richard M. Upjohn, 1878-85;
- Albany City Hall, Albany, by H. H. Richardson, 1880-82;
- Sever Hall, Harvard University, Cambridge, MA, by H. H. Richardson, 1880;
- New York State Capitol, Albany, by Thomas W. Fuller, Leopold Eidlitz, H. H. Richardson, Isaac Perry, 1867-98;
- Town Hall, North Easton, MA, by H. H. Richardson, 1879-81.

The Forum report features a personal commentary by Spiro Kostof, noted author and professor of architectural history at the University of California at Berkeley, who analyzes results of the 1885 and 1985 polls.

Copies of the latest issue of Forum are available from the AIA communications department, (202) 626-7508.

Technology's Impact on U.S. Construction Industry Examined in New AIA Press Publication

The impact of new technologies on the construction industry is explored in "Technology and the Future of the U.S. Construction Industry," workshop proceedings prepared by the Congressional Office of Technology Assessment (OTA) and published by The American Institute of Architects Press.

The workshop established that new technology is radically reshaping the construction industry in some cases and that the slow adoption of attractive new technologies may make the industry vulnerable to foreign competition and rob clients of qualitative improvements in buildings.

The publication also discusses how technological changes will affect overall growth rates in the construction industry, the quality and performance of building products, the number and nature of construction jobs, and the international competitive position of the domestic industry, with special attention given to computers, "smart" office buildings, modular structures and energy in buildings. Study participants included representatives from private industry, academia and government agencies such as the National Bureau of Standards, the Department of Energy and NASA.

The construction workshop is part of a larger study requested by OTA by chairpersons of several Congressional committees interested in how innovation and trade might affect jobs and living standards in America.

"A major challenge of the 1990s will be lowering the shelter costs of millions of moderate- and lower-income Americans by building housing that is cheaper to construct and more efficient to operate," said Representative Henry B. Gonzales (D-TX), chairman of the House Banking, Finance and Urban Affairs Subcommittee on Housing and Community Development.

"The proceedings of the Panel on Technological Change in the U.S. Building Construction Industry is a timely and useful document that highlights the major issues — including technology transfer; removal of restrictive code barriers, and the expansion of research efforts by universities, private entrepreneurs and the federal government — that must be resolved if the challenge of affordable housing is to be met," he continued. Gonzales' subcommittee has jurisdiction over various federal housing and community development programs administered by the U.S. Department of Housing and Urban Development and the Department of Agriculture.

"By publishing this report, the AIA is proud to be part of a major, comprehensive exploration of technology's impact on the diverse aspects of the construction industry," said AIA President John A. Busby Jr., FAIA. "Architects must play a key role in adapting to the challenges that technology offers."

OTA is a nonpartisan, analytical agency that aids the U.S. Congress in dealing with the complex and often highly technical issues that con-

front our society. The AIA, founded in 1857, is a voluntary not-for-profit membership organization that fosters professionalism and accountability among its 50,000 members by providing professional development opportunities. It also influences the direction of change in the built environment and promotes design excellence.

Illustrated with approximately 50 photographs, graphs and charts, the softcover book is available from the AIA bookstore (order #R402) at \$23.95 for AIA members, \$33.95 for nonmembers. For more information on the report, call John Lynn, AIA government affairs, (202) 626-7374. For copies of the report, call Marianne Bohr, AIA Marketing, (202) 626-7585.



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NEW FIRMS & MERGERS

Richmond Architects Form New Firm

Five Richmond architects have announced the formation of a new firm to be known as Bond Comet Westmoreland Shifflett White Architects. The new firm, employing eight people, is newly located at 319 W. Franklin St., Richmond.

Sanford Bond, Robert E. Comet, Douglas D. Westmoreland, Larry S. Shifflett, and David S. White make up the firm's five principals. Bond, Comet, and Westmoreland are involved in the day-to-day management of the firm. All five principals are previous members of the firms SWA Architects and SB Architect. They have been responsible for such projects as the award winning offices of the Orthopedic Specialists in Richmond, the renovation of the historic Main

Street Station, Greystone Condominiums, and the Virginia Eye Institute (now under construction). Among the company's newest contracts are a \$2 million addition to the Child Rehabilitation Center at the University of Virginia, and the Animal Shelter for the City of Richmond.

According to Rob Comet, principal in charge of business development, the new firm's expertise will be in the area of commercial buildings, elderly and multi-family housing, renovation, and medical office buildings.

Sandy Bond, former principal of SB Architects, explained the reason for the new firm. "This is to allow us to effectively meet the needs of our clients while still focusing on design excellence."

Architect and Engineering Firms Merge

James R. Washington, A.I.A., President of Washington Associates, Inc., has announced that the Engineering Consulting firm of Owen Engineering Company has merged with Washington Associates, Architects and Planners.

Under the merger agreement, the companies will operate as independent entities within a common corporate structure while continuing the general practice of architecture and professional engineering.

Washington Associates currently maintains offices in Norfolk, Richmond and Lynchburg, while Owen Engineering has offices in Richmond and Lynchburg. The firms have consolidated their Richmond offices and established joint working offices in Norfolk and Lynchburg as an accompaniment to the merger.

Washington Associates is a leader in the Mid-Atlantic region for architectural, design, and space planning work. Owen Engineering, one of Virginia's premier firms, specializes in energy management, condition surveying, and general engineering.

James R. Washington, A.I.A., and Robert E. Washington, F.A.I.A., will continue to serve as President and Chairman, respectively, of Washington Associates, and John M. Owen, P.E., will remain as President and Principal-In-Charge of Owen Engineering.

To accommodate the increase in personnel and business, the Richmond offices have been consolidated to 620 Moorefield Park Drive, Suite 150. Projects being managed from this office include: Human Services Building, Chesterfield County, Virginia, \$3,700,000; Human Services Building, Henrico County, Virginia, \$5,000,000; Multi-Purpose Office Building, Prince George County, Virginia \$1,000,000; Social Services Building, Petersburg, Virginia, \$2,000,000; Renovation of Laboratories, Virginia Commonwealth University, Richmond, Virginia, \$1,500,000; Records Center, Virginia State University Library, Richmond, Virginia, \$3,500,000; and Research Laboratory Building, Virginia State University, Petersburg, Virginia, \$2,000,000.

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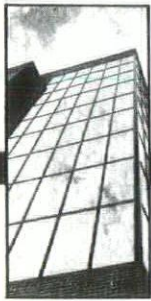
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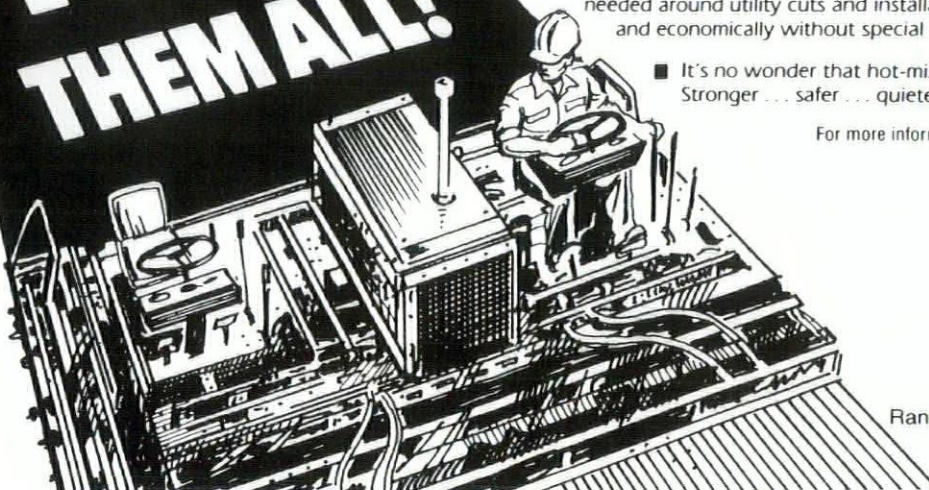
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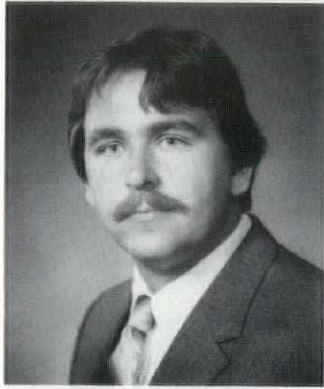
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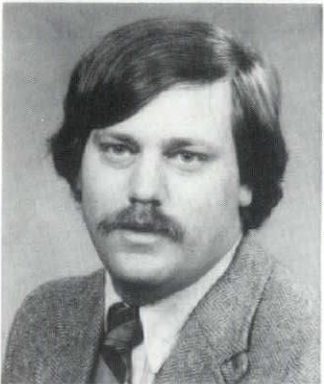
Virginia Beach Firm Names Two Associates

The architectural firm of Waller, Todd and Sadler, Architects, located in Virginia Beach, is pleased to name Steven R. Knight and William W. Schwegler as Associates.



STEVEN R. KNIGHT, AIA

Mr. Knight joined the firm in August 1980 and obtained his professional registration in September 1984. He is a native of Virginia Beach and received his Bachelor of Architecture in June 1980 from VPI & SU.



WILLIAM W. SCHWEGLER, AIA

Mr. Schwegler joined the firm in April 1981 and obtained his professional registration in September 1985. He is a native of Buffalo, New York and received a Bachelor of Science in Architecture in June 1979 from Ohio State University.

Both Mr. Knight and Mr. Schwegler are members of the American Institute of Architects.

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EXCAVATING CONTRACTORS

VMDO Architects Expand Staff

VMDO Architects, the Charlottesville architectural, interior design and planning firm, has announced that they have recruited two new talented professionals, interior designer Cheryl Baughman and architect Basil Souder. Ms. Baughman will manage VMDO's interior design department and Mr. Souder is a project architect. Ms. Baughman and Mr. Souder have relocated to Charlottesville from prominent firms in Dallas.

"The quality of our architects and designers directly affects the quality of our projects," said Lawson Drinkard, Partner of VMDO, "so we take a lot of care in selecting our staff. We are pleased to announce that professionals of Cheryl Baughman's and Basil Souder's caliber have joined VMDO."

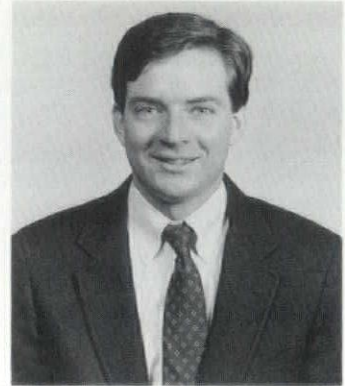


CHERYL BAUGHMAN

Cheryl Baughman will develop the design direction and staff of VMDO's interior design department. "Our responsibility is to create the interior environment," explained Ms. Baughman. "Architecture is the basis of all interior design, and our role is to make sure the architect's original rationale for a building is carried through every detail of the interior."

Ms. Baughman, who formerly specialized exclusively in interior design, looks forward to the architectural emphasis at VMDO. Currently she is managing several interior projects, including the Chatham Hall Library interiors and the Mary Washington Student Activities Center.

A graduate of the University of Cincinnati, with a degree in Interior Design, she was previously a designer with major interior design firms in Dallas and Chicago. She completed such projects as the Northwestern University Law School Library, Prudential Insurance offices, and various private residences while in Chicago. Dallas clients include First South Savings and Loan of Arkansas and Cadillac Fairview Development Company of Dallas.



BASIL SOUDER

Basil Souder is responsible for managing several projects at VMDO including the Chatham Hall Library and Athletic Facility, the renovation of the Holiday Inn, Afton Mountain, Waynesboro, Virginia, and a bank addition in Madison, Virginia. A graduate of the University of Virginia, with a Masters in Architecture, Basil Souder worked as a student for VMDO from 1976-78, and is returning after having gained experience in Chicago and Dallas.

Mr. Souder has been associated with major corporate and international projects such as the Frito Lay National Headquarters in Dallas; the King Abdul Azziz University in Makkah, Saudi Arabia; the Tower IV at City Center in Denver, Colorado; and the International Harvester Technical Center in Illinois.

"After having worked on such large projects I am looking forward to becoming involved with more refined design projects," explained Mr. Souder. "Following through and finishing the details on a project is what makes it all worthwhile, and I will be able to do that at VMDO."

VMDO is a 25-person architectural, interior design and planning firm located in downtown Charlottesville. The firm recently named a new Partner, Craig Hudson, AIA, and opened an office in Norfolk. The firm has also expanded their in-house technologies, with CADD, computerized programming, and cost control software.

Winner this year of five awards for excellence in architecture from the James River Chapter of the American Institute of Architects, VMDO is becoming well-known for its work in educational architecture and historic restoration. VMDO's recent notable projects include the Student Center Renovation at Chatham Hall in Chatham, Virginia; the Broadus Wood Elementary School; and the renovation of the historic Barringer House to a French Language House adjacent to the grounds of the University of Virginia in Charlottesville.

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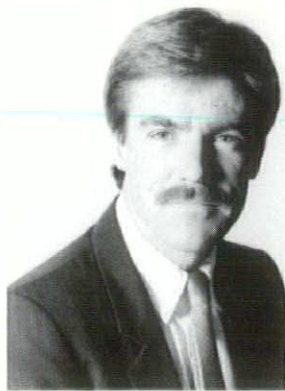
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Design Firm Names New Associate

Odell Associates, one of the largest planning, architectural, and engineering firms in the Southeast, has elected Rohn K. Price as a new associate to the firm. Associates are selected on professional and educational experience, contributions to the firm, and recognition by other Odell associates.

Price is a licensed architect in the Odell Richmond office who received a Bachelor of Science in Architectural Studies from the University of Illinois and a Master of Architecture degree from Texas A & M University. Currently, he is the architectural designer of the corporate headquarters for the Virginia Housing Development Authority in Richmond and the Roanoke Replacement Airport Terminal in Roanoke.



Rohn K. Price



Walter N. Seedlock, AIA

Seedlock is Now V.P. at LRM

Walter N. Seedlock, A.I.A., has recently been appointed Vice President and Director of Design and Construction for Little River Management Company (LRM) of Fairfax County.

Mr. Seedlock who joins the firm after six years as a senior project manager for a large international design firm is a licensed architect and will provide construction management and in-house design services for the Falls Church Professional Centre, formerly the Fink Building and a variety of LRM projects.

A Virginia Tech graduate, Mr. Seedlock is active in the community, serving on the Fairfax City Board of Architectural Review and as a volunteer architect at the Northern Virginia Training Center for the Handicapped.

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Manager Named for New Interior Design Department at CHK

CHK Architects and Planners has announced the formation of a new Interior Design department. Jean M. Barnak has been hired as manager of the department. Based in the company's Silver Spring headquarters, the new department has been established to handle CHK's growing number of interior design commissions. Projects range from apartment condominiums, health care facilities and housing for the aging to the space planning and interior design of commercial office buildings.

Ms. Barnak comes to CHK from Deupi and Associates, Inc., of Washington, D.C., where she was a senior staff member. Previously, she had been employed by Wilmot, Bower and Associates, Inc., of Rockville, MD. She holds a Bachelor of Fine Arts, specializing in Interior Design, from Virginia Commonwealth University.

CHK Architects and Planners has over 30 years experience in residential design, and currently is working on a number of commercial projects in the District of Columbia, Maryland, and Virginia. CHK is headquartered in Silver Spring, Maryland, and maintains a second office in Arlington, Virginia.

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Virginia Tech News

Winners Announced in Tech Student Design Competition

Virginia Tech's College of Architecture and Urban Studies has announced the names of three winners in the college's annual second- and third-year design competition, this year based on the theme "Light in a Context."

Sharing the top award are Scott Anderson of Matthews, N.C.; Adam Shalleck, Ossining, N.Y.; and Allen Webb of Alexandria. Each received a \$150 prize during the college's annual awards ceremony on May 30.

The competition, a required activity for all second- and third-year architecture students, called for entrants to submit a 20 x 20-inch drawing with an optional model that illustrated a study of "light in a context." Students were free to interpret the requirement in a variety of ways.

Anderson's entry was a sculpted steel plate that used a ground surface to diffuse and diffract light and create a space within the sculpture. Anderson is a third-year student.

Second-year student Shalleck's interpretation of the theme involved a motor-driven assembly that used light reflected from the space in which it was hung, filtering through two moving screens and casting shadows on a gridded surface.

Webb, a third-year student, submitted a photograph of a textured wall with the glow of light reflected off the edge of a stair.

Sponsored by the college, the competition was organized by the second- and third-year faculty under the direction of Dennis J. Kilper. The college's design faculty juried the event.

Kark Wins Distinguished Planning Award

Warren R. Kark, AIA, university architect and director of planning at Virginia Tech, recently received the Distinguished Planning Award from the Virginia Chapter of the American Planning Association. His award-winning entry is entitled "Virginia Tech 1983-1993 Master Plan," and outlines the future development of Tech's physical environment.

The award was presented April 28 at the VAPA Annual Conference in Richmond. The university planning office's entry will go on to national competition, Kark said.



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The master plan was selected among 13 other entries as representative of the best in the practice of planning in Virginia, said Paul Grasewicz from the VAPA.

Lancaster is First Recipient Of Memorial Scholarship

Lynne Lancaster, a fourth-year architecture student at Virginia Tech, has been named the first recipient of the Michelle Currie Memorial Scholarship.

The scholarship was established by Leonard and Virginia Currie of Blacksburg in 1984 in memory of their granddaughter, who died in an accident. Because of their granddaughter's interest in the arts, the couple stipulated that the scholarship go to a student exhibiting creative potential.

Last winter, the Curries issued a challenge to the faculty of Tech's College of Architecture and Urban Studies, agreeing to match donations

made to the Campaign for Excellence and designated for the scholarship fund during a six-week period. The challenge grant netted more than \$1,600 for the fund.

Ms. Lancaster, who was also this year's winner of the Phi Kappa Phi medallion for her college, is the daughter of John and Dorothy Lancaster of LaGrange, Ga.

Steger Named to Board of Swiss Foundation

Charles W. Steger, dean of Virginia Tech's College of Architecture and Urban Studies (CAUS), has been named to the advisory board of Stiftung Kunsterhaus Boswil, a foundation in Switzerland that facilitates the growth of the arts in Europe.

The foundation also operates a house in Boswil where artists meet and perform and where retired artists live. For about a week each summer and fall, the house is made available to

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students participating in the CAUS Study Abroad Program.

In addition to Steger, the foundation named Urs Frauchiger, director of the Bern (Switzerland) Conservatory, and Beat Wismer, curator of the Kunsthaus in Aarau to the board. Steger is the only American on the board, which meets twice yearly.

Student from Norfolk Takes Object Design Award

Adam Cohen, a Virginia Tech student from Norfolk, received the Werner Graeff Memorial Award during recent ceremonies of the College of Architecture and Urban Studies.

The award, named in memory of a world-famous designer whose son is on the college faculty, is presented annually to the architecture student who produces the best design of an object.

Cohen was presented a book by Charles W. Steger, dean of the college.

Collin R. Berry

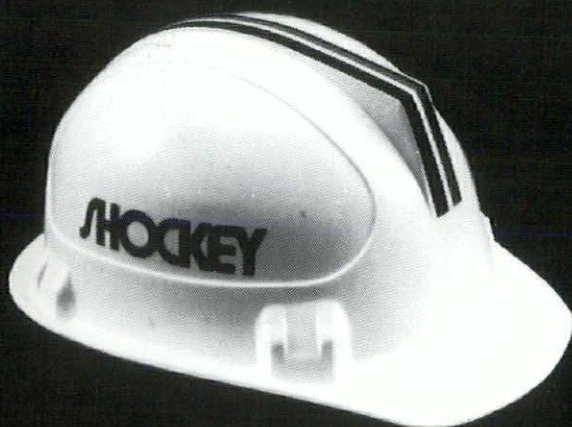
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*NOTE: This photograph ran with
incorrect identification in the
May/June issue.*

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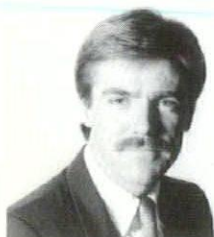
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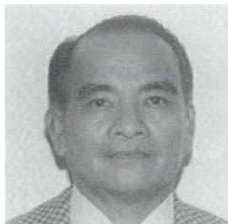


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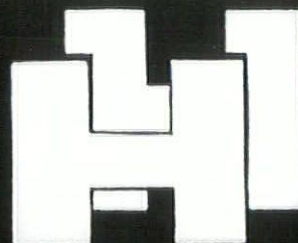


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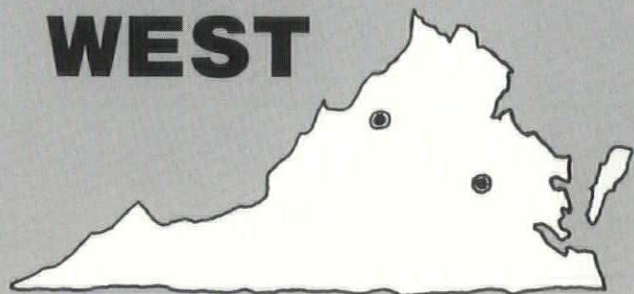
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Campbell County Library and School Administrative Offices

Architectural Partners — Architects

Owner: County of Campbell • **Location:** Rustburg

Project Architect/Designer, Lynn A. Cunningham • **Site Engineer/Surveyor,** Hurt & Profit • **Mechanical/Electrical Engineer,** Mayes Engineering, Inc. • **General Contractor,** Hancock-Fuqua, Inc.

A public library was founded in Rustburg, Virginia (Campbell County seat) in 1966 by the state of Virginia as a temporary library, then termed as a "Demonstration Library." With the state's encouragement, a short time later Campbell County took over full operation.

One of the initial library concerns was that of permanent housing. The first building proposal was made in 1970, but not accepted at that time. As time passed in the temporary facility, library usage grew. By 1983 the overcrowded conditions prompted Campbell County to put library housing as a top priority.

The county owned a prime piece of property which joined county governmental buildings. Ultimately it was decided this was the best location for a new facility.

The topography lent itself to a two level building — ground level and main floor. With the aspect of an additional main floor level, which the county had not originally anticipated, a decision was made to consolidate their school administrative departments into one building. Due to lack of space the school administrative offices were being housed in several remote buildings.

The existing governmental buildings in close proximity to the new site, were of a very "traditional" nature, reflecting the traditional life styles of a rural farming community. The design of the new building captures the traditional forms with simplistic detail. The exterior of the building is basically maintenance free. The steep pitched roofs are of pre-finished bronze-tone standing seam metal. The entrances are

pre-finished aluminum systems and pre-finished wood windows are used at all other glazed areas. The entire exterior wall finish is a deep earth tone sand finish brick.

The library portion of the building (ground floor level) was developed according to future growth projections. Adult and children's areas are separated merely by remoteness, with library circulation in the center and staff work areas to the rear. While obtaining thermal advantages by the building's placement into the earth, natural light is maximized not only by large glass areas on the open side, but by light wells on the earth side and skylights on one end. Finishes consist of scored "CMU" walls (painted), carpeted flooring in public areas, and seamless vinyl acrylic flooring elsewhere.

The library proper utilizes an indirect metal halide lighting system which eliminates glare and gives an overall shadowless light to all surfaces.

The school administrative offices on the main floor are separated according to their specific functions with a centrally located common area for staff, and conference rooms for public/administrative functions. Wood frame construction is used with a fire separation between floors. Walls are gypsum board finish (painted). Carpet extends throughout office and secretarial areas. Seamless vinyl acrylic flooring denotes open corridors and employee lounge. Toilets on both levels are ceramic tile with polymer toilet partitions.

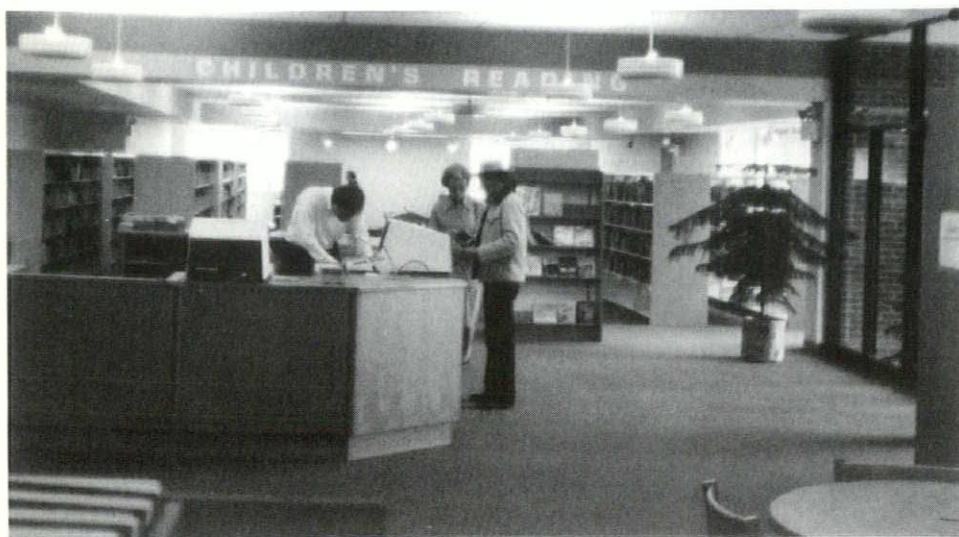
Each level of the building is self-contained with direct outside access and parking for both levels. A convenience stair connects the two levels. The main floor office personnel enjoy a dramatic view of the Blue Ridge Mountains, while the children using the library enjoy the low hum of Norfolk-Southern trains as they pass within view.

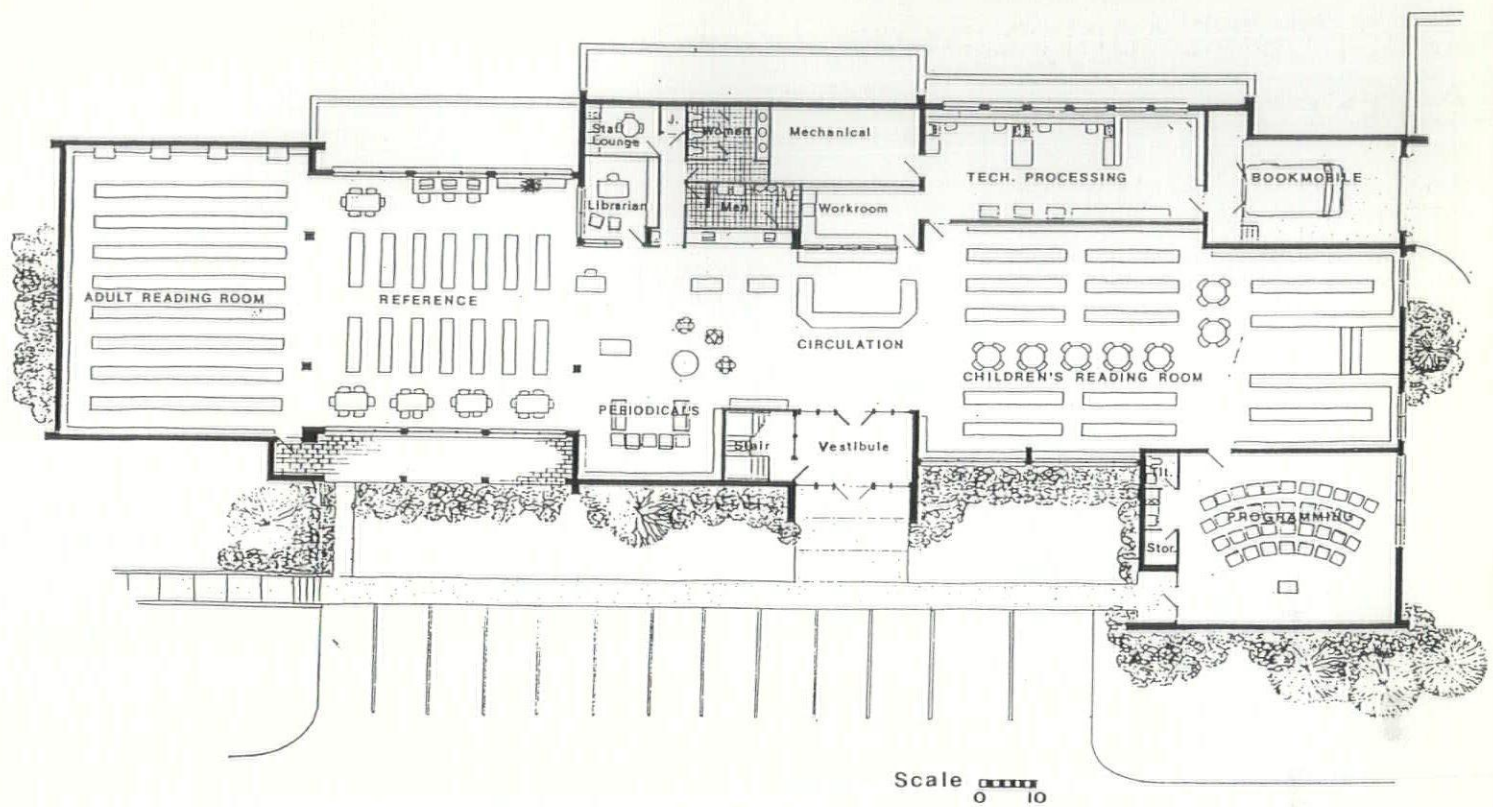
The building was completed in December 1985, was occupied and in full operation by the end of January 1986.

Hancock-Fauqua, Inc. of Lynchburg was general contractor and handled foundations, concrete work, miscellaneous metal and carpentry.

SUBCONTRACTORS & SUPPLIERS

(Lynchburg firms unless otherwise noted)
Ted Counts, Excavating, excavating; Burkhardt's Nursery & Greenhouse, Hurt, landscaping materials & landscaping contractor; Marvin V. Templeton & Sons, Inc. paving contractor; Valley Steel Corp., Salem, reinforcing; Lynchburg Ready-Mix Concrete Co., Inc., concrete supplier; L & N Masonry, Inc., Gladys, masonry contractor; Virginia Dunbrick Co., Inc., masonry manu-





facturer/supplier & mortar; John W. Hancock, Jr., Inc., Salem, steel supplier & steel erection; Construction Products Co., Inc., Lynchburg, steel joists/roof deck & handrails; Sound Structures, Inc., Midlothian, roof deck & structural

wood; Shoffner Industries, Inc., Burlington, NC, structural wood; Woodall & Lang, Inc., built-up roof, other roofing, roof insulation, waterproofing & sheet metal; Ralph Moseley, Inc., wall insulation; and Saunders Oil Co., Inc., Richmond, foundation insulation.

mond, hardware supplier; Arrowhead Dry Wall, gypsum board contractor; The Floor Show, Inc., ceramic tile; Harman Ceiling & Partition Co., acoustical treatment; DMA & Assoc., Inc., Richmond, carpet; J. D. Crance Co., painting contractor; Lynchburg Paint Center, Inc., supplied Glidden paint; Bill Moseley Heating & Plumbing, Inc., plumbing contractor; Weather Conditioners, Inc., heating/ventilating/air conditioning contractor; Climate Control, Inc., South Boston, lighting fixtures supplier & electrical contractor; Farmville Wholesale Electric Supply Co., Farmville, electrical equipment supplier.

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Benjamin Franklin Intermediate School

Strang and Samaha, AIA — Architects

Owner: Fairfax County Public Schools • Location: Fairfax County

Project Architect/Designer, Semon S. Samaha • Interior Designer, Strang and Samaha, AIA • Cost Consultant, Andre Light • Site Engineer/Surveyor, Patton Harris Rust & Associates • Structural Engineer, FDE, Ltd. • Mechanical/Electrical Engineer, Leland D. Eisenhower, Ltd. • Geotechnical Engineer, S.T.S. • General Contractor, Fletcher & Sons, Inc. • Photography, David S. Strang.

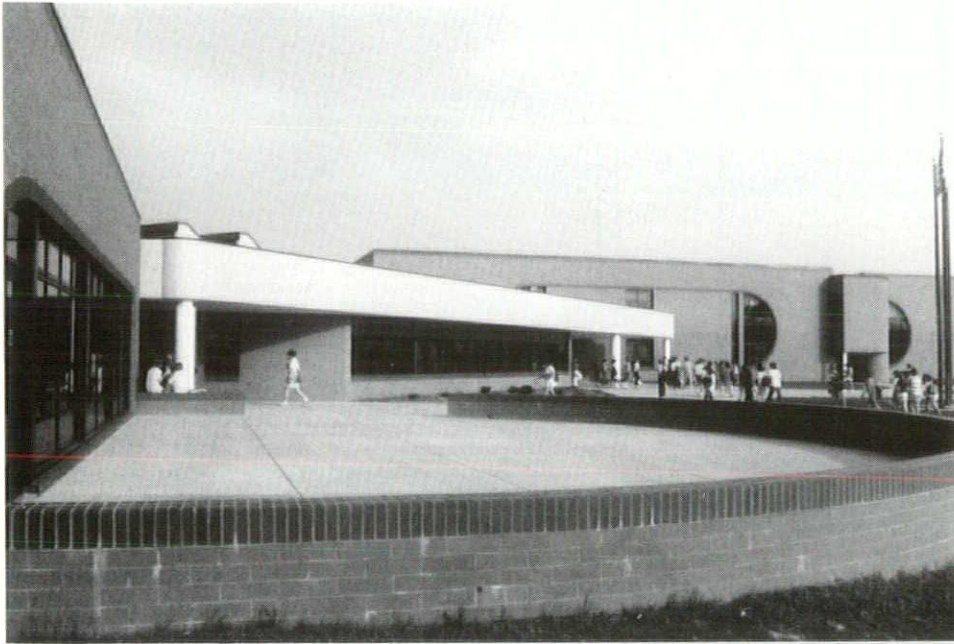


PROGRAM

- An intermediate school to serve a total of 1200 seventh and eighth grade students. The building design should permit, but not restrict the school to the operation of a "school within a school" concept. Flexibility for future program changes must be incorporated, however, future expansion for the building is not a program requirement. 1200 intermediate students is perceived to be the maximum desirable number of students in one facility.
- Facility must be totally accessible to everyone. "Main Streaming" of all handicapped individuals is a priority.
- School should provide for effective and convenient utilization of large, small and combined group instruction as well as individualized learning activities.
- The building and site facilities must be suitable and controllable for community and other "out of school" groups.
- Building must be energy efficient. This school will be added to the school system's present CCMS program which provides central control of each space within the building. Mechanical systems shall be designed for multiple fuel capability, including gas and oil fired units and to permit future solar retrofitting.
- The school should be designed as an esthetically pleasing place to work and learn. Materials, colors and arrangement should be utilized in such a way as to instill a sense of pride in the public, students and teachers. The design should enhance and encourage the interaction between students, teachers and the community.

DESIGN FEATURES

The plan is organized around a large commons area, which serves as a circulation focal point as well as a passive solar demonstration area. Two 60' long solar collectors provide passive solar heat and light while bright graphics illustrate various solar characteristics. Located in the center of the commons area is a raised semi-



circular landing, suitable for small meetings and performances.

The formal academic area, consists of four (4) clusters on two floors. The hub of the clusters is the 300 seat Group Instruction Area and the Media Center. With locker areas, teacher work-rooms and toilet facilities incorporated into each, these departmental wings function distinctly, creating more efficient sub-school atmospheres. The Physical Education department, Industrial Arts, Music and Art departments and the Cafeteria are located apart from the academic area to avoid noise disruption and for controlled non-school use.

The elevation is designed to project a friendly, welcoming image — a happy place. The exterior walls are constructed of buff colored utility sized brick with standard size dark brown feature brick to accent the window forms. The building skin consists of insulated masonry bearing walls and double glazed windows. The superstructure is structural steel with non-bearing interior partitions, providing for interior flexibility as school programs are modified.

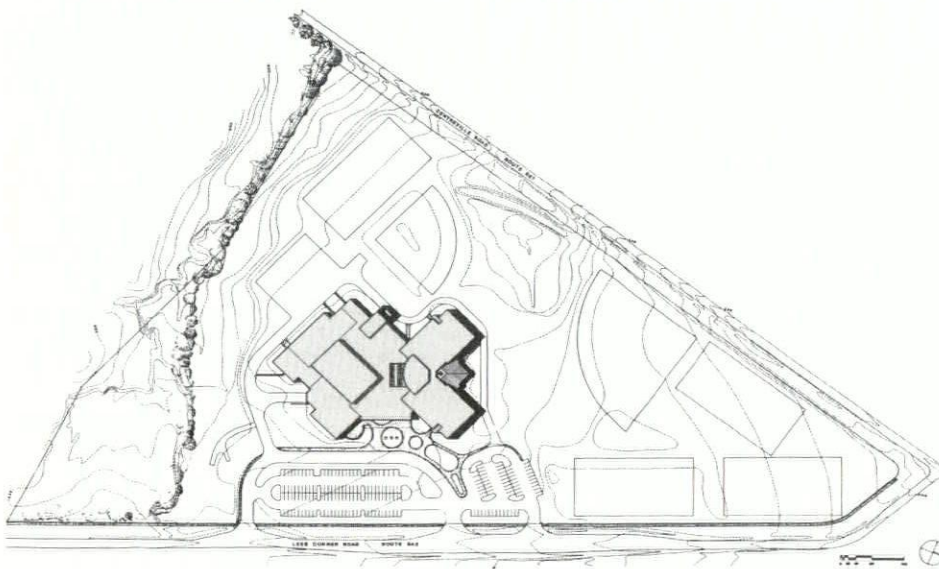
The building mechanical system is a four-pipe hot and chilled water system with two central boilers and one low energy centrifuge chiller. Remote air handling units utilize a variable air volume distribution system. The system utilizes an economizer cycle capable of processing 100% outside air for conditioning spaces.

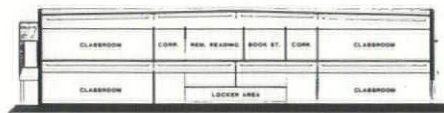
PROJECT BUDGET
\$8,000,000

PROJECT COSTS
\$7,183,000

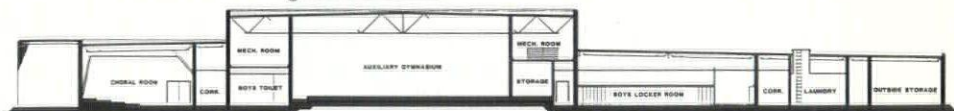
Fletcher & Sons, Incorporated of Melrose Park, Pennsylvania was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS
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B BUILDING SECTION



A PARTIAL BUILDING SECTION

Concrete Corp., Springfield, concrete contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Virginia Concrete Co., Inc., Springfield, concrete supplier; American Masonry Co., Inc., Kensington, MD, masonry contractor; Supreme Concrete Block, Inc., Fairfax, masonry manufacturer; Riverton Corporation, Riverton, mortar; Bolling Steel Co., Inc., Salem, steel supplier/joists/roof deck; Commercial Erection, Aldie, steel erection; Structural Systems, Inc., Gaithersburg, MD, roof deck & structural wood; and American Iron Works, Inc., Bladensburg, MD, miscellaneous metal.

Also, Orndorff & Spaid, Inc., Beltsville, MD, built-up roof & sheet metal; Davenport Insulation, Inc., Springfield, roof insulation; U. S. Gypsum, wall insulation; Foam Industries, Inc., foundation insulation; R. J. Murphy Carpenter Contractors, Inc., Burke, carpentry; Jordan Millwork Co., Beltsville, MD, millwork & wood doors; Southside Manufacturing Corp., Danville, cabinets; Bethesda Asphalt & Bituminous Co., Rockville, MD, waterproofing; Roy's Painting Co., Inc., Temple Hills, MD, caulking & painting contractor; Woodbridge Glass Co., Inc., Woodbridge, glass, glazing contractor, windows & storefront; Roblin Architectural Products, Scranton, PA, metal doors & frames; Kalwall Corporation, Richmond, window wall; and J. B. Kendall Co., Inc., Washington, DC, hardware supplier.

Others were: Dominion Applicators, Inc., Falls Church, plaster contractor & gypsum board contractor; B & F Ceramic Tile, Inc., Springfield, ceramic tile; Robertson Precast, Ltd., terrazzo; Carpeteria, Inc., Fairfax, carpet; R. L. Dresser, Inc., Raleigh, NC, special flooring; Sherwin-Williams Co., McLean, paint manufacturer; R. S. Somers, Inc., Fairfax, equipment; Dover Elevator Co., College Park, MD, elevator; Dagenhart Sprinkler Co., Richmond, sprinkler contractor; McLean Architectural Products, Pelham, NY, plumbing fixture supplier; F. W. Harris, Inc., Annandale, plumbing/heating/ventilating/air conditioning contractor; Lightolier, Rockville, MD, lighting fixtures supplier, and Mona Electric, Inc., Clinton, MD, electrical equipment supplier & electrical contractor.



Centerville Elementary School

Waller, Todd and Sadler — Architects

Owner: Virginia Beach City Schools • **Location:** Virginia Beach

Project Architect/Designer, John K. Todd, AIA • **Site Engineer/Surveyor,** Adkins & Associates • **Structural Engineer,** Stroud, Pence & Associates • **Mechanical/Electrical Engineer,** Old Dominion Engineering • **Geotechnical Engineer,** ATEC of Virginia • **General Contractor,** Shirley Construction Corporation • **Photography,** Richard S. Corner.

Centerville Elementary School is located in a rapidly growing residential area of Virginia Beach. It provides general education and recreation facilities for 900 pupils, kindergarten through grade six. The building faces a major commercial/residential street with the bus loop and parking in front and play areas at the sides and rear of the site.

The building accommodates six major programmatic elements: classrooms, a library/resource center, a gymnasium, cafetorium (cafeteria/auditorium), administrative spaces and faculty workrooms. The larger gymnasium and cafetorium volumes are placed at the ends with the smaller cellular spaces distributed between, enclosing two interior courtyards around a cen-

tral library. The gymnasium, cafetorium and administrative spaces are at the front of the building, accessible to the public. Service to the kitchen and mechanical areas is placed at the north end of the building behind the cafetorium.

The structural system consists of load-bearing masonry with metal deck spanning steel joists. Mechanical systems include packaged heat pumps at classrooms and central/forced air systems with chiller and boiler at all other locations. Landscaping will be provided in the future by the school's PTA.

Separate contracts for sitework and building construction were awarded early in 1983. Construction was completed by August 1984 and the school opened immediately thereafter. Total construction cost including sitework was \$2,917,020 or \$43.68 per square foot. An additional classroom wing is under consideration; the building was designed to accommodate another courtyard and classroom wing to the west.

Shirley Construction Corporation of Portsmouth was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

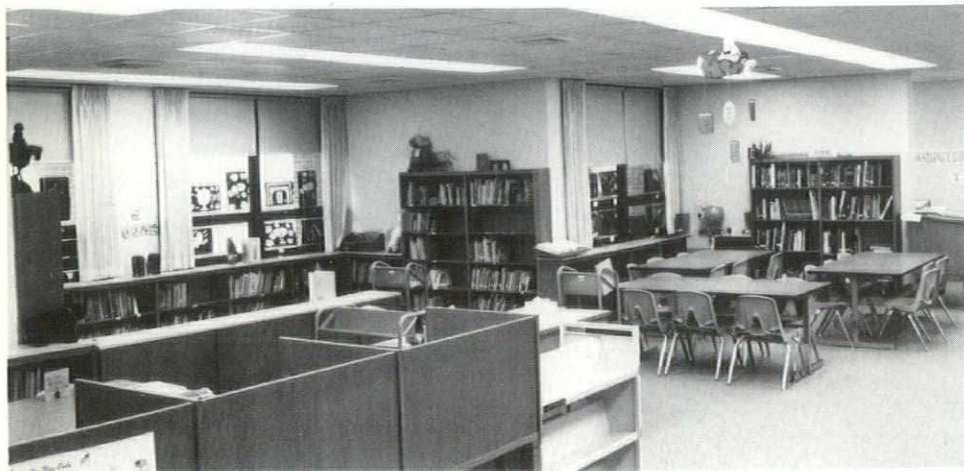
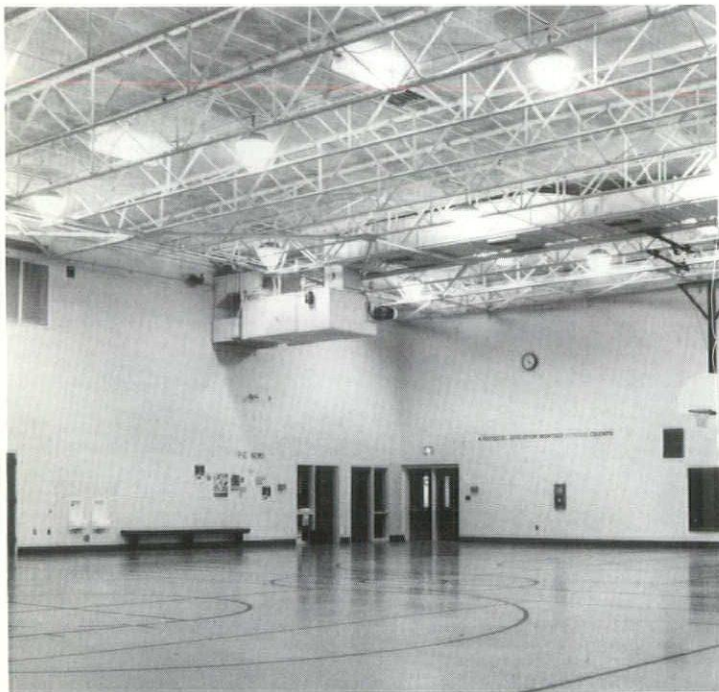
From Norfolk were: Anchor Fence of Tidewater, Inc., fence; Virginia-Carolina Steel, Inc., structural steel & metal fabrication; Door Engineering Corp., finish hardware & grilles; Howard E. Marquart & Co., toilet partitions, SS guards & exp. covers; Commonwealth Equipment Sales, fire extinguishers & cabinets; and Recreational Systems, physical education equipment.

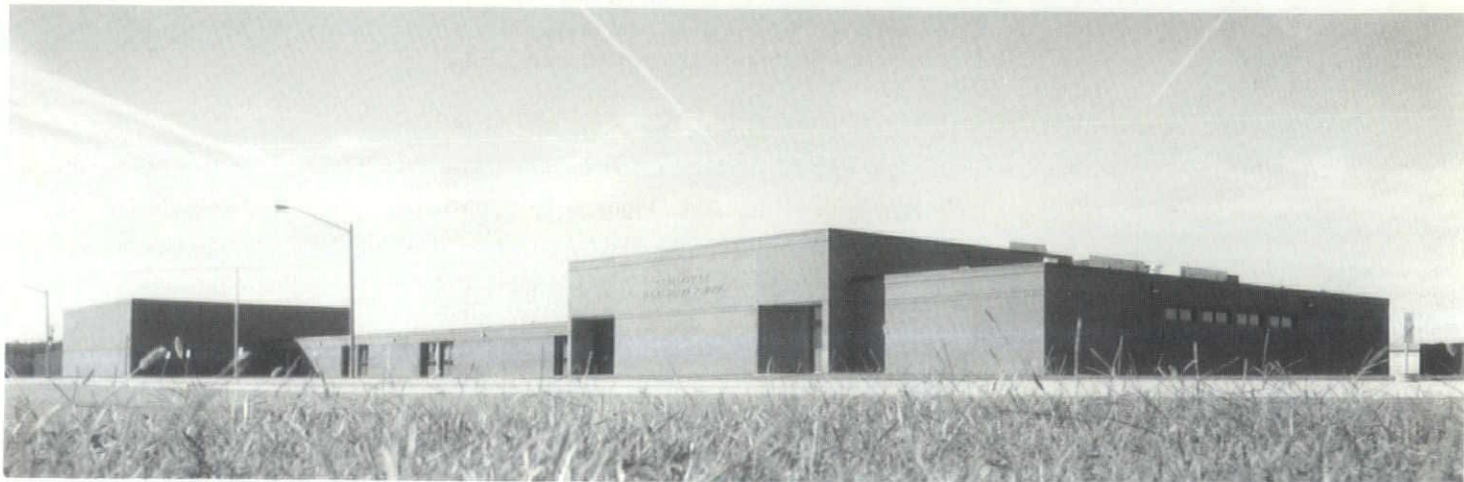
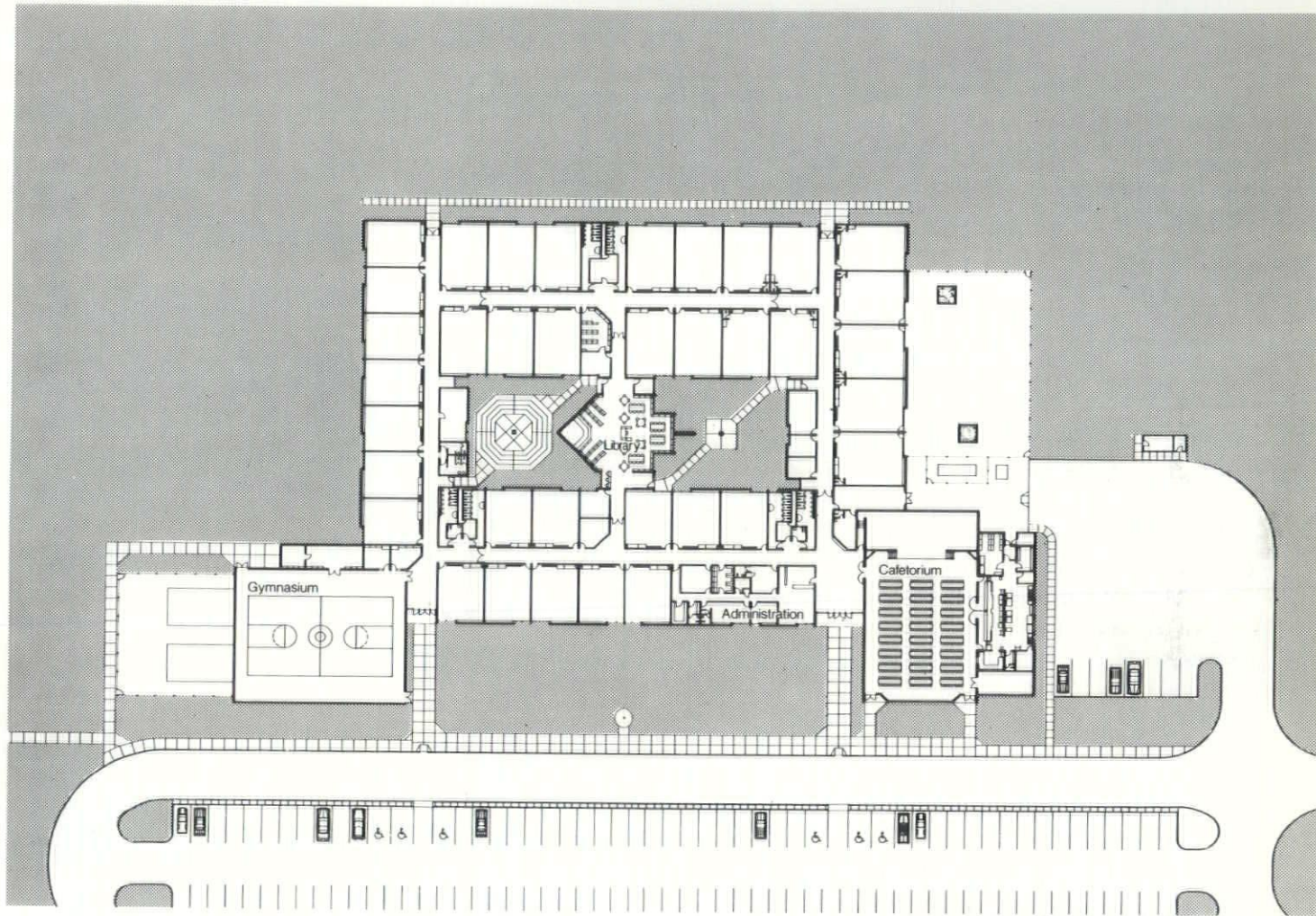
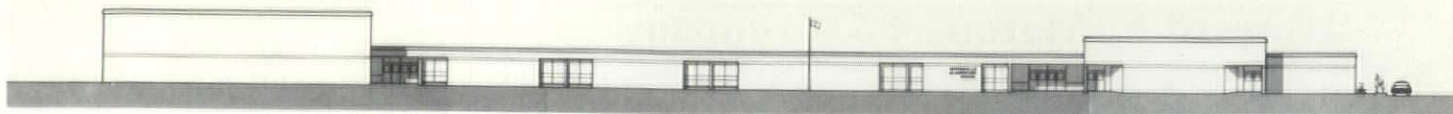
Chesapeake firms were: Womack Construction, sitework contractor; Virginia Masonry, Inc., masonry; C. Roy Pursley Co., Inc., aluminum windows and g & g; and Smith-Gerloff Painting & Decorating, Inc., painting; and Aircon, Ltd., sewer collection system, gas tank, plumbing, HVAC & sprinkler.

And, from Virginia Beach were: Asphalt Roads & Materials Co., Inc., paving; Guille Steel Products Co., joists & decking; Ceramic Tile of Florida, Inc., tile & terrazzo; and Seaboard Building Supply Co., toilet accessories.

Richmond firms were: Flowers School Equipment Co., Inc., window shades; Schalow Manufacturing Co., Inc., chalkboards & tackboards; and Roanoke Engineering Sales Co., Inc., aluminum letters, garment racks, hook strips & flagpole.

Others were: John Henry Steel Erection Co., Inc., Chesterfield, steel erection; Waterfront Lumber Co., Inc., Newport News, finish carpentry, wood doors & wood flooring; Martin Fireproofing, Tonawanda, NY, roof deck insulation; K & P Caulking Co., Inc., Portsmouth, sealants; Virginia Food Equipment Corp., Ashland, food equipment; and Colonial Electric Co., Inc., Williamsburg, electrical.





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We are pleased to have participated in the construction of Centerville Elementary School, Tarrallton Community Center, and the Human Resource Building in Suffolk, featured in this issue.

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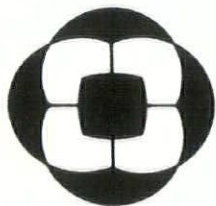
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Powell Valley Middle School

Charles B. McElroy — McElroy & Associates, Architects and
William A. Thompson, III — Thompson & Litton, Inc. — Architects

Owner: The Wise County School Board •
Location: Wise County

Project Architect/Designer, Charles B. McElroy • Structural Engineer, Richard L. Williams • Mechanical/Electrical Engineer, Sowers, Rodes & Whitescarver • General Contractor, Powell Construction Co., Inc.

SITE

Powell Valley Middle School is situated in beautiful Powell Valley in Southern Wise County, Virginia, on 46 acres of woodland. The site is cradled between Stone and Powell Mountains which have peak elevations of 3,400 and 3,000 feet above M.S.L. respectively. The site is at 1,500 feet above M.S.L. In close proximity with the Middle School, are Powell Valley Elementary School, and Powell Valley High School. The surrounding mountainous woodland creates an aesthetically pleasing learning environment for all ages. Access to the school is via Virginia State Route 610 which meanders through agricultural Powell Valley.

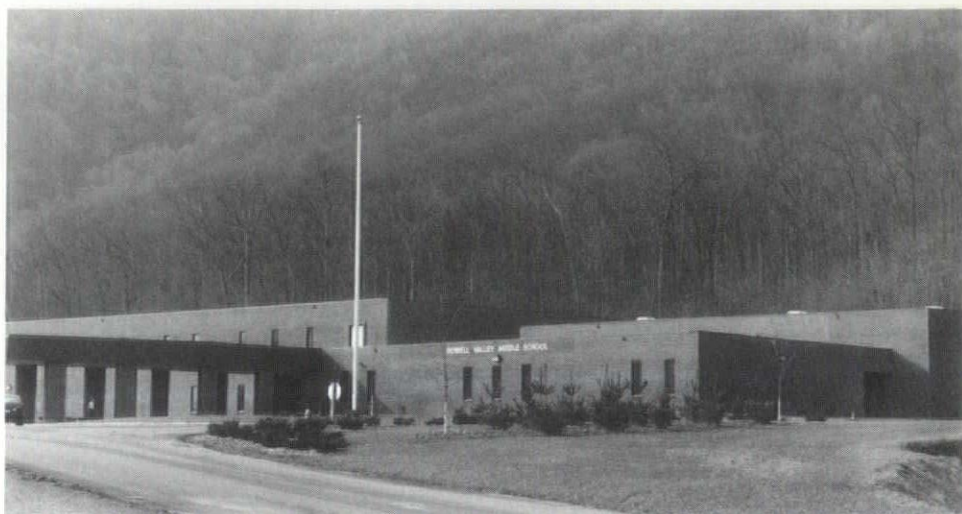
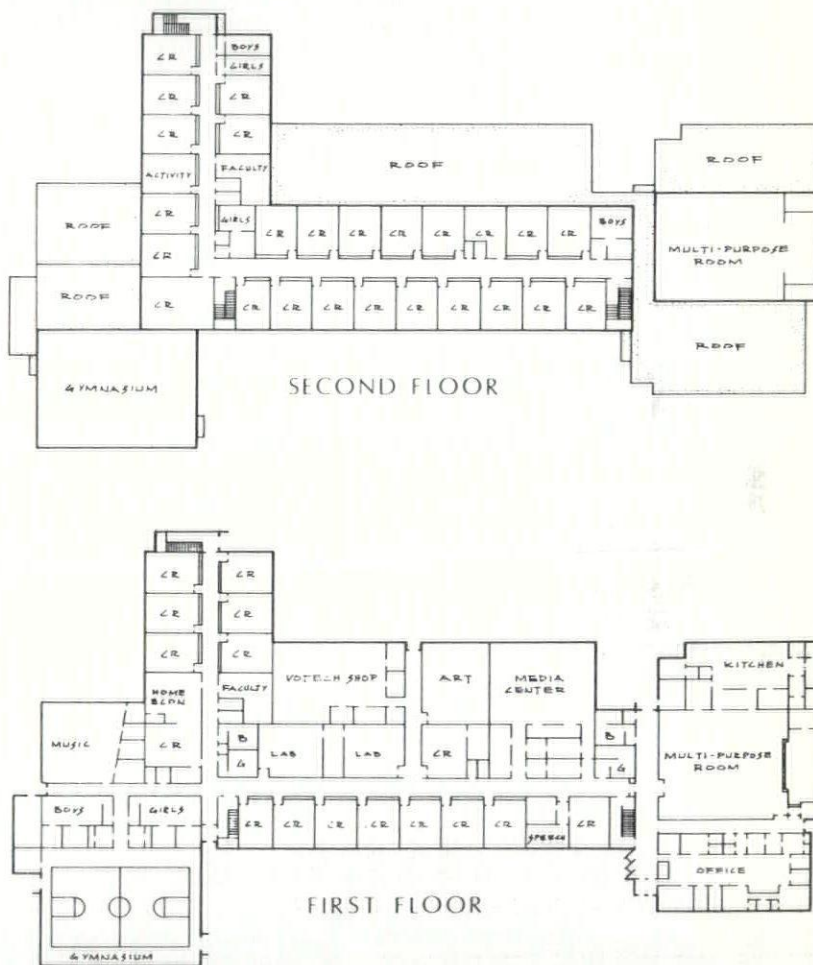
SOLUTION

The school was developed as a two-story structure, ell-shaped, with 32 classrooms, Library, Laboratories, and Shop in one-story wing to the north side of the structure. Kitchen, M-P room with stage platform and Administration are located at the east end of the building. A small Gymnasium, seating 500-600 spectators is provided on the southwest corner of the structure, with Home Economics and a Music wing installed in the one-story wing on the east end. A separate building houses mechanical/electrical equipment. The structure was designed to accommodate 750 students, Grade Levels 5 thru 8.

CONSTRUCTION

The building is steel framed, masonry cavity wall construction, foam insulation board in cavity, faced with brick on the exterior. Floors are concrete on grade, first floor; concrete on steel deck, second floor; finished with vinyl tile, terrazzo in corridors; and quarry and/or ceramic tile in toilets and wet areas. Roof is single ply membrane, installed over 2" roof insulation, supported on metal deck. Deck for roofs over Multi-Purpose Room and Gymnasium are exposed underneath, and consist of structural fiber concrete composition. Ceilings in the remainder of the building are acoustic tile suspended beneath steel joists. Flooring in the Gymnasium is wood on wood screeds. Windows are double glazed aluminum projected windows, and fixed insulated fiberglass panels at stairwells and in Gymnasium. Most interior doors are solid core wood finish, except utility doors which are steel.

Electricity provides both heating and cooling for this building. An air-cooled centrifugal water



chiller provides cooling for the entire school building, except the Administrative suite. This central system has the advantage of providing high operating efficiencies of both full and partial load conditions, and permits a high percentage of load diversification. An electric hot water boiler provides necessary heat for all areas of the building. This central boiler permits load diversification and demand control. Central water pumps distribute chilled and heated water to each air handler throughout the building. The Administrative area is served by a packaged roof-top air conditioning unit. This arrangement permits conditioning of the office area during the summer months without running the central chiller.

A complete centralized sound system, telephone system, clock/bell/signal system, television system and building intrusion alarm system were installed.

The architect, McElroy & Associates of Wise, designed the school in 14 months. It was con-

structed by Powell Construction Company in 15 months and was completed in September 1985. Thompson & Litton, Inc., of Wise, assisted as architects during the construction phase.

The completed school and mechanical/electrical building, encompasses an area of 104,512 square feet, and was constructed at a cost of \$44.79 per square foot.

Powell Construction Co., Inc. of Johnson City, Tennessee was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

Woodway Stone Co., Inc., Pennington Gap, bituminous paving; Deary Masonry Const. Big Stone Gap, masonry; Tauscher Roof Deck Co., Bristol, TN, metal decking & insulating roof deck; Bonitz Insulation Co. of Carolina-Tenn. Inc., Asheville, NC, acoustical ceilings, acoustic absorption pads, woven acoustic mats-walls, lath & plaster-drywall, resilient finish flooring & carpet; Oak Ridge Roofing Co., Johnson City, TN, roof insulation, roofing, flashing & sheet metal;

General Services, Kingsport, TN, sealants & painting; Blizzard Door Co., Bristol, TN, rolling shutters & overhead doors; Lancaster Associates, Inc., Johnson City, TN, venetian blinds; and Dixie Glass, Inc., Johnson City, TN, glass & glazing, Glasweld.

Also, East Tennessee Tile & Marble, Inc., Johnson City, TN, ceramic tile & base, interior stone, quarry tile & base, marble window stools & terrazzo; R. L. Dresser, Inc., Raleigh, NC, gymnasium flooring; McClains Exterminating Co., Elizabethton, TN, pest control; Abal Storage Systems, Roanoke, lockers; The Hillard Co., Inc., Knoxville, TN, food service equipment; Brownson Equipment Co., Inc., Richmond, gymnasium equipment — bleachers, basketball backstops; Flowers School Equipment Co., Inc., gym divider curtains, wall padding, basketball scoreboard, cabinets & casework; Dover Elevator Co., Knoxville, TN, elevator; Daniels Plumbing & Heating, Norton, mechanical; and King Electric Inc. of Tennessee, Johnson City, TN, electrical.

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The Catholic University of America Athletic Center

VVKR, Inc. — Architects

Owner: The Catholic University of America
Athletic Center • Location: Washington, DC

Project Architect/Designer, Landscape Architect, Structural/Mechanical/Electrical Engineer, VVKR, Inc. • Geotechnical Engineer, Schnabel Engineering Associates • General Contractor, Donohoe Construction Co., Inc.

The recently completed Catholic University Athletic and Recreation Complex, situated on a 25-acre site on the University's northeast Washington, D.C. campus, fulfills a promise anticipated by the University community for several decades. Most of the University's existing outdated athletic facilities were constructed over 60 years ago and were not responsive to current needs. The new Athletic Center, fields and courts will consolidate both indoor and outdoor athletic programs into one campus location. The site chosen separates these activities from the main academic campus, but the Center's accessibility on campus and its size (98,000 gross square feet) underscore the importance that the University places on athletics in the lives of its students, faculty, and alumni.

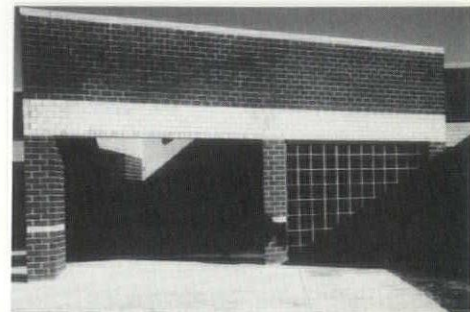
The Athletic Center and fields are intended for both intramural and intercollegiate use. The building design is organized into activity zones, bound together by a central two-story lobby. The gymnasium, the largest single space, is accessed directly from the first floor lobby and provides flexible space for basketball, tennis and volleyball practice courts as well as an "arena" with seating for 2,000 spectators during competitive events. A 1/10 mile, elevated indoor jogging track circles and defines the "arena" portion of the gymnasium and allows access to the tiered seating from the second level lobby

area. The gymnasium also will be used for special convocations providing seating for approximately 3,000 persons. Five racquetball courts have been provided to respond to the University's particular interest in sports that can be enjoyed by many different age groups.

The central feature of the building's natatorium is a six-lane, 124-foot "stretch" pool with prefabricated stainless steel gutter and a vacuum sand filtration system. The natatorium can be accessed directly from the lobby and locker/shower areas as well as from an outdoor area designated as a future sun-bathing terrace. Additional pool features include three diving boards — two one-meter and one three-meter, a movable bulkhead to allow 25-meter and 25-yard events, and a pool "overlook" with adequate viewing space for approximately 100 spectators.

For the natatorium, VVKR designed a water-to-water heat pump to save energy. This concept recycles heat from the swimming pool to heat the pool water and also contributes to heating the swimming pool enclosure. This process uses one-third the energy when compared to conventional exhaust systems.

VVKR designed the ventilation system for the locker rooms to avoid traditional ventilation problems (odors created by wet towels and humidity) and also to save energy. The system called for large quantities of air to be exhausted through the locker rooms to solve the ventilation problem. Rather than waste the heat in the exhaust air, the system extracted 60-70 percent



of the energy and transferred it to incoming fresh air.

Indirect lighting systems provide the gymnasium and the natatorium with an even distribution of light and avoid potential glare problems often associated with direct lighting systems. In each case, the artificial lighting is reinforced, and often is replaced, by abundant natural daylighting through large areas of insulated translucent fiberglass panels.

The University's Athletic Department staff has its office space located in this building. The remaining space in the facility consists of a multi-purpose room for team meetings and viewing of game films, a wrestling room, a



dance studio, an equipment storage and issue area, a training room, and a therapeutic whirlpool.

The Athletic Center also accommodates outdoor athletic activities and includes: six tennis courts; a soccer/football field with press box and 3,000-seat bleachers; a field hockey playing field; a 440-yard, six-lane running track; and areas for such track and field events as shot put,

pole vault and discus. A 175-car parking lot completes the development of the site.

Donohoe Construction Co., Inc. of Washington, DC was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

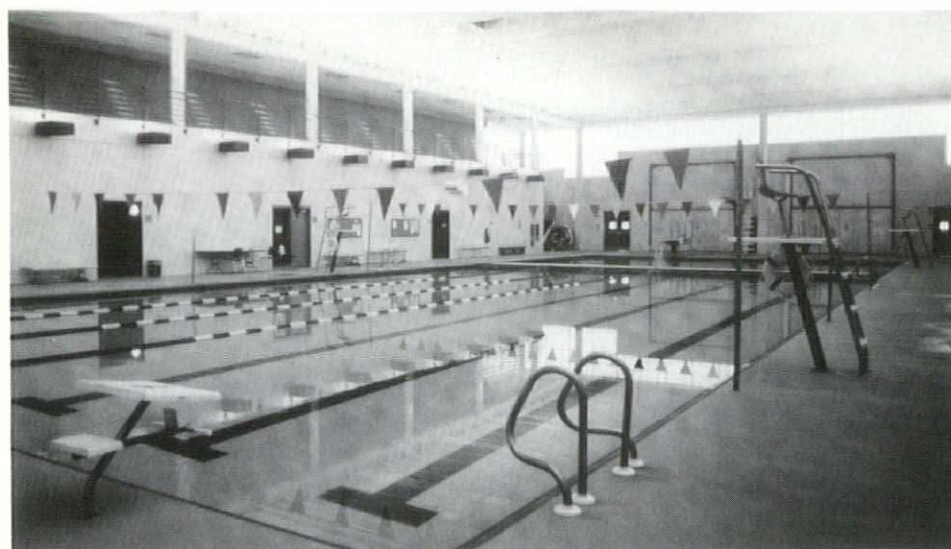
Somar Paving Corp., Laurel, MD, excavating; T. J. Hydroseeding, Silver Spring, MD, landscaping materials; Granja Construction, Inc., Washington, DC, paving contractor; Super Concrete

Corp., Washington, DC, concrete contractor; American Masonry Co., Inc., Kensington, MD, masonry supplier; Rockville Crushed Stone, Inc., Rockville, MD, stonework supplier; Howell Steel Service, Inc., Weldon, NC, steel supplier; Vince Steel Erection Co., Inc., Springfield, steel erection; SCF Decks, Inc., Towson, MD, steel roof deck; Piedmont Steel, Inc., Spartansburg, SC, structural steel; Capitol Fireproof Steel, Bowie, MD, reinforcing steel; Miscellaneous Metals, Inc., Frederick, MD, miscellaneous metal; and J. R. Cumberland, Inc., Alexandria, fireproofing.

Also, Concrete Structures, Inc., Richmond, precast contractor (T's); Strescon Industries, Landover, MD, precast contractor (planks); The Matworks, Hyattsville, MD, walk off mats; Graham, Van Leer & Elmore Co., Inc., Vienna, operable wall; Kalwall Corp., Manchester, N.H., translucent panels; Maryland Lumber Co., Baltimore, MD, structural wood; Quality Woodwork, Inc., Gaithersburg, millwork; Prospect Enterprises, Inc., McLean, waterproofing; Wilcox Caulking Corp., Lorton, caulking; Swigin' Door, Inc., Rockville, MD and Overhead Door Company of North Washington, Beltsville, MD, doors; Glass Systems, Inc., Columbia, MD, storefront & windows; Builders Hardware Corp., Rockville, MD, hardware supplier; and Woodhall Corp., Silver Spring, MD, gypsum board contractor.

Others were: Stevens Tile & Marble Co., Inc., Kensington, MD, ceramic tile; Southern Maryland Floor Co., White Plains, MD, resilient tile; Furniture Displays, Inc., Washington, DC, carpet; Martin Surfacing & Decking, Inc., Cockeysville, MD, special flooring — gym & racquetball courts; Ronald D. Mayhew, Inc., Bristow, painting contractor (Glidden Paint); Penn Ventilator Co., Philadelphia, PA, louvers; Sylvan Pools, Doylestown, PA, swimming pools; Otis Elevator Co., Alexandria, elevator; Krick Fire Protection Systems, Inc., Hyattsville, MD, sprinkler contractor; Krick Plumbing & Heating, Inc., Hyattsville, MD, plumbing/heating/ventilating/air conditioning contractor; and Mona Electric, Inc., Clinton, MD, electrical contractor.

Special Equipment: Warthan Recreational Equipment, Inc., Hopewell; Standard Acoustics, Inc., Washington, DC, basketball back stop; Aquacraft, W. Bethesda, MD, saunas; Dant Corp., Louisville, KY, exterior bleachers; Interkal, Inc., Kalamazoo, MI, indoor bleachers — supplied locally by Flowers School Equipment, Inc., Richmond; and Steel Products, Inc., Rockville, MD, toilet accessories.



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Elementary Schools

Armstrong, Union Mill and Sully Station Elementary Schools

Ward/Hall Associates, AIA — Architects

Owner: Fairfax County Public Schools • **Location:** Fairfax County

Project Architect/Designer, J. Patrick Higgins, AIA • **Interior Designer,** Ward/Hall Associates, AIA • **Site Engineer,** Patton, Harris, Rust & Associates • **Structural Engineer,** FDE, Ltd., Consulting Engineers • **Mechanical/Electrical Engineer,** Strickler Associates, P.C. • **General Contractors,** V. F. Pavone Construction Co./Armstrong Elementary School, and L. F. Jennings, Inc./Union Mill and Sully Station Elementary Schools • **Photography,** Robert Rathe, Karen Schneebaum, and J. Patrick Higgins.

PROJECT

77,850 square foot, 32-classroom elementary schools on three different sites.

PROGRAM

- A strong visual image which creates a focal point in the community.
- The adaptability of this design for its use on future sites.
- Strong identification of entry.
- A central area (spine) from which all major functions originate — multi-purpose room, offices, cafeteria, classrooms, and media center.
- The three schools represented by this submission are part of a five-school construction program for Fairfax County to keep pace with rapid residential development in the western

part of the county. The first two schools were completed in the fall of 1983, with the current subject three buildings to be completed in August of 1986. Thereby, the total scale of this program is 160 elementary classrooms plus all adjunct facilities with a gross project area of 389,250 square feet.

COST

The two schools completed in 1983 total \$7,238,000 and the three schools being completed by mid-1986 total \$14,789,000 for an aggregate project scope of \$22,027,000.

SITE

Each of the three buildings is located on a suburban site and is bounded by a main artery and existing single-family homes.

SOLUTION

The buildings have been placed in a forward position on each of the sites which allows for direct access for students to the main entry and central spine. This allowed for the positioning of baseball and soccer fields at the opposite end of the central spine. These fields serve as a buffer between the schools and the bordering single-family homes.

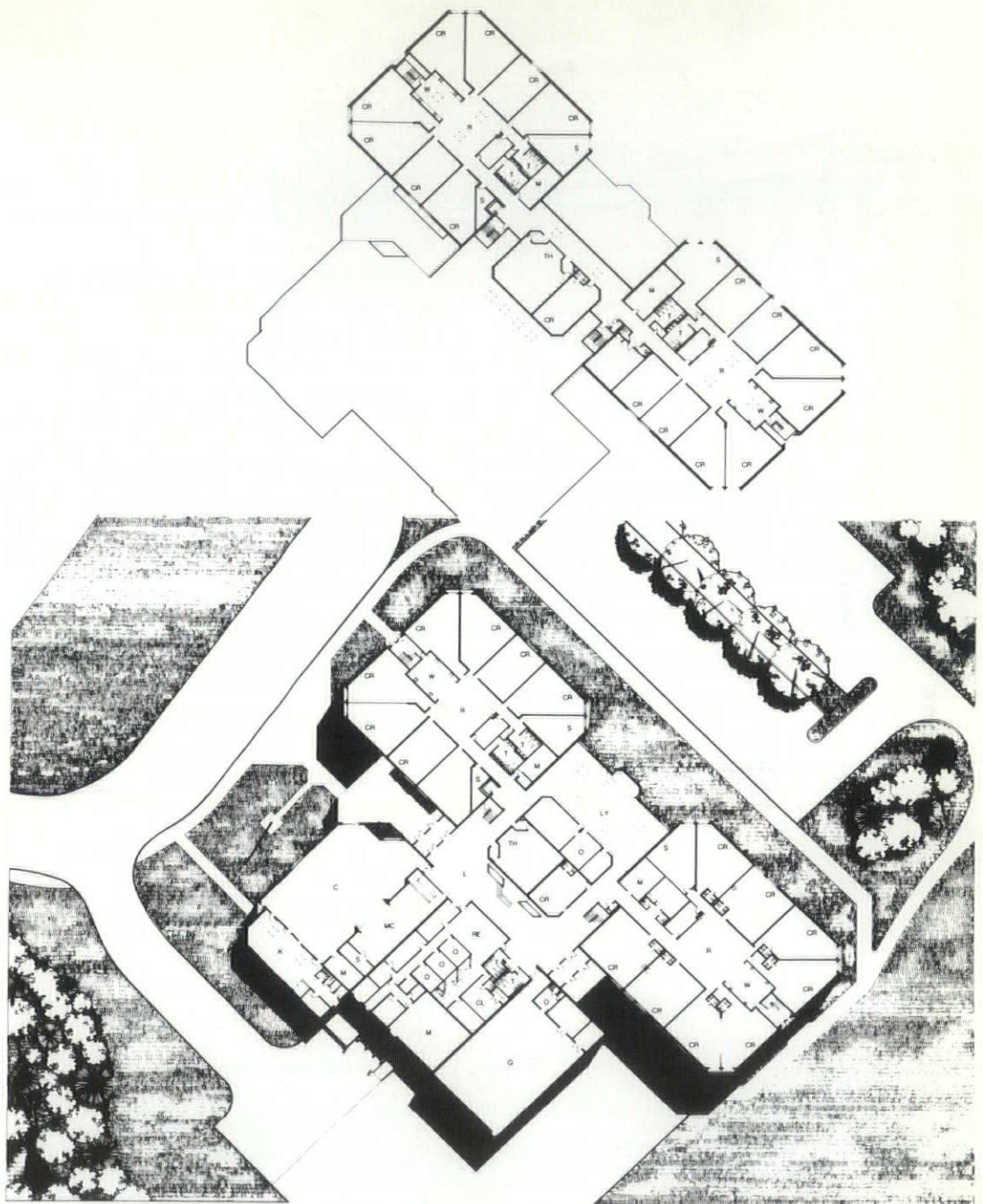
At the first floor, a gradual visual and scaled transition from exterior to interior space is achieved by allowing the outdoor space to penetrate through the plane created by the extension of the entrance canopy and at the same time reducing the two-story volume to a one-story volume. This change in volume creates a well-defined transitional area, referred to as the central spine. The formation of the central spine allows for a compact building plan. All major



LEGEND

LOBBY	L
RECEPTION	RE
OFFICE	O
CLINIC	CL
CAFETERIA	C
KITCHEN	K
TOILET	T
GYM	G
STORAGE	S
MUSIC	MC
LIBRARY	LY
THEATER	TH
CLASSROOM	CR
RESOURCE	R
WET & DIRTY	W
MECHANICAL	M

UPPER LEVEL



SITE PLAN

AND LOWER LEVEL

school functions are laid out off the spine, thereby reducing interior travel distances.

Major building materials are a light tan/brown brick wall which appears to support a light tan precast concrete parapet. All exterior windows/storefront have been finished a dark bronze and are glazed with one inch clear insulated glass. To accent the central spine and media center, an exposed Glu-Lam beam and decking were provided in the configuration of a double pitched roof and finished on the exterior with a standing metal seam roof. The central spine on the interior has a exposed Glu-Lam beam and decking for a ceiling finish, terrazzo and carpet on the floors and the exterior brick has been brought in

to be used on the walls as a transition element between the interior and exterior.

Armstrong, Union Mill and Sully Station Elementary Schools are all scheduled for completion in August of 1986. The line drawings and photographs accompanying this article are documenting Newington Forest Elementary School which was completed September 15, 1983. One of the major design goals was the adaptability of this design for its use on future sites. The featured schools were the continuation of this design concept.

CONSTRUCTION CREDITS

V. F. Pavone Construction Company of Alexandria was general contractor for Armstrong Ele-

mentary School. L. F. Jennings, Inc. of Falls Church was general contractor for Union Mill and Sully Station Elementary Schools and handled cast-in-place concrete, mortar, unit masonry and rough carpentry.

SUBCONTRACTORS AND SUPPLIERS

(Armstrong Elementary School)
Martin & Gass, Inc., Merrifield — with Hilco Excavating, Fairfax, temporary controls, earthwork, storm/sanitary sewers & water mains; Pied Piper Pest Control, Baltimore, MD, termite control; Frederick Fence Co., Frederick, MD, chain link fences and gates; Newton Asphalt Co., Inc. of Virginia, Alexandria, paving & surfacing; Trowbridge Steel Co., Inc., Sterling, con-



Alexandria, roof insulation at wood decking, preformed roofing & siding, coal tar bituminous roofing & insulation, flashing, sheet metal, roof expansion joints, skylights & roof hatches.

crete reinforcement; Antietam Tile Co., Glen Burnie, MD, architectural precast concrete; Temple Masonry, Inc., Alexandria, mortar & unit masonry; Irongate, Inc., Stephens City, structural steel, steel joists, metal roof deck, metal composite floor decking & metal fabrication; and Giganti & Associates, Washington, DC, expansion control, building I.D. letters & dock bumpers.

Also, The Koppers Co., Morrisville, NC/Structural Systems, Inc., Gaithersburg, MD, prefabricated structural wood; Arlington Woodworking & Lumber Co., Inc., McLean, architectural woodwork, wood doors & library equipment; Southside Manufacturing Corp., Danville, architectural woodwork & library equipment; Bethesda Asphalt & Bituminous Co., Rockville, MD, waterproofing & dampproofing; Virginia Roofing Corp., Alexandria, roof insulation at wood decking, preformed roofing & siding, coal tar bituminous roofing & insulation, flashing, sheet metal & roof expansion joints, skylights & roof hatches; and Smith & Co., Warrenton, sealants, special coatings, painting, paving & surfacing.

And, ESC Manufacturing Co., Inc., Blountville, TN, metal doors and frames; Roanoke Engineering Sales Co., Inc., McLean, folding gate; Walker & LaBerge Co., Inc. of Richmond, Richmond, entrances & storefronts, aluminum windows & glazing; J. B. Kendall Co., Washington, DC, finish hardware; Dodd Bros., Inc., Falls Church, metal studs, metal lath & furring, Portland Cement plaster & gypsum wallboard; McClary Tile, Inc., Alexandria, ceramic tile & sand cushion terrazzo; Acoustical Ceilings, Inc., Merrifield, acoustical tile ceilings; Carpet Fair, Inc., Baltimore, MD, resilient flooring & carpeting; Schalow Manufacturing Co., Inc., Richmond, chalkboards, tackboards & display cases; Steel Products, Inc., Rockville, MD, metal toilet partitions; SWG, Inc., Baltimore, MD, flagpoles; and Greenwald Industrial Products, Hyattsville, MD, fire extinguishers & cabinets.

Others were: Standard Acoustics, Inc., Washington, DC, folding & relocatable partitions & gym-

nasium equipment; Greensteel, Inc., Lorton, metal shelving units, closet shelving & projection screens; Klon O. Row, Inc., Rockville, MD, toilet accessories; Regional Restaurant Equipment Co., Inc., Baltimore, MD, food service equipment; S. Swartz Associates, Inc., Washington, DC, blinds; The Matworks, Hyattsville, MD, rubber entrance mats; Dwyer Service Corp., Alexandria — with Anglo-American Assoc., Kensington, MD, ARC Water Treatment, Beltsville, MD, Specialty Welding, Springfield, and Engineering Services, Inc., Chantilly — plumbing, HVAC & metal louvers; Electric Service Co., Arlington — with Capitol Lighting & Supply, Alexandria, Westinghouse Electric Supply, Washington, DC, and American Amplifier Co., Alexandria — electrical, sound, security & communication systems; Melco International Elevator Co., College Park, MD, hydraulic elevators; H. Beard Plumbing & Heating, Inc., Alexandria — with Anglo-American Assoc., Kensington, MD, domestic water piping system, soil, waste and vent system, roof drainage system, plumbing equipment, domestic electric water heater and plumbing fixtures & trim; and Fire-Mak Sprinkler Systems, Baltimore, MD, automatic sprinkler system.

SUBCONTRACTORS & SUPPLIERS

(Union Mill & Sully Station Elementary Schools) John Driggs Co., Inc., Capitol Heights, MD, clearing & earthwork; D & E Construction Co., Inc., Chantilly, storm/sanitary sewers & water mains; Newton Asphalt Co., Inc. of Va., Alexandria, paving & surfacing; Frederick Fence Co., Frederick, MD, chain link fences & gates; Pied Piper Pest & Termite Co., Silver Spring, MD, termite control; J. T. Patton & Sons Turf Farms, Inc., Silver Spring, MD, topsoiling, seeding & sodding; Herndon Concrete, Herndon, cast-in-place concrete; Antietam Tile, Glen Burnie, MD, architectural precast concrete; Trowbridge Steel Co., Inc., Sterling, concrete reinforcement; Irongate, Inc., Stephens City, structural steel, metal fabrication, steel joists, metal roof decking, metal composite floor decking, expansion control & dock bumpers; and Virginia Roofing Corp.,

Also, Tonstad Caulking Co., Inc., Alexandria, sealants, aluminum window caulking & architectural precast caulking & cleaning; ESC Manufacturing, Blountville, TN, hollow metal doors & frames; Roanoke Engineering Sales Co., Inc., McLean, folding gates; Tart Lumber & Millwork Co., Inc., Sterling, wood doors & architectural woodwork; Prospect Enterprises, Inc., McLean, waterproofing & dampproofing; Interplan Associates, Inc., Norristown, PA, aluminum windows & glazing; Chevy Chase Glass Co., Inc., Bethesda, MD, entrances, storefronts, glazing & sealants; Structural Systems, Inc., Gaithersburg, MD, Koppers prefabricated structural wood; Dodd Brothers, Inc., Merrifield, metal studs, metal lath & furring, cement plaster & drywall; David Allen Co., Inc., Raleigh, NC, ceramic tile & sand cushion terrazzo; and Acoustical Ceilings, Inc., Merrifield, acoustical tile ceilings.

And, Precision Door & Hardware, Alexandria, finish hardware; Sutherland Decorating Co., Springfield, painting, special coatings & interior sealants; Fairfax Tile & Carpet Co., Inc., Alexandria, carpet, resilient flooring & mats; Schalow Manufacturing Co., Inc., Richmond, chalkboard, tackboards & display cases; Steel Products, Inc., Rockville, MD, projection screens, metal toilet partitions, metal shelving units, curtain track & curtain & closet shelving; Modern Doors, Waldorf, MD, folding & relocatable partitions; Dove Toilet Room Accessories, Inc., Washington, DC, toilet accessories; Michael Gordon, Inc., Fairfax, metal louvers; Giganti & Associates, Washington, DC, building ID letters; Copeland's Mount Vernon Flagmakers, Alexandria, flagpoles; The Safemasters Co., Inc., Washington, DC, safe; Regional Restaurant Equipment, Baltimore, MD, food service equipment; and Dwyer Corp., Michigan City, IN, unit kitchen & cabinets.

Others were: Warthan Recreational Equipment, Inc., Hopewell, gymnasium equipment; Potomac Mills, Inc., Rockville, MD, horizontal blinds; Fire-Mak Sprinkler Systems, Inc., Baltimore, MD, automatic sprinkler system; Sullivan Mechanical Contractors, Shenandoah, plumbing & HVAC; Chipman Electric Co., Inc., Brentwood, MD, electric & sound system; Southside Manufacturing Corp., Danville, architectural woodwork & library equipment; and Melco International Elevator Co., College Park, MD, elevators.

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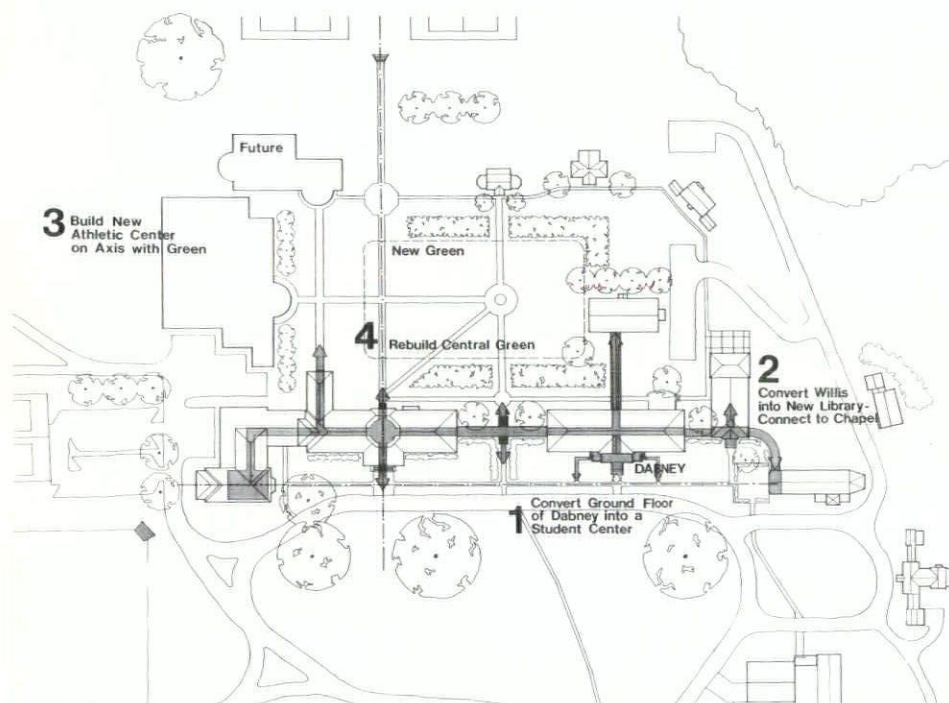
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Chatham Hall Student Center

V.M.D.O. Architects

Owner: Chatham Hall • Location: Chatham

Project Architect/Designer, David Oakland •
Landscape Architect, Nancy Takahashi •
Structural Engineer, Dunbar, Milby & Wil-
liams • Mechanical/Electrical Engineer,
Owen Engineering • General Contractor,
Blair Construction, Inc. • Photography, Har-
lan Hambright.



This project involved complete rehabilitation of a basement area in Dabney Hall. The space was completely gutted. New (lowered) floors, rebuilt ceilings, new walls and new outside entry were added.

The most difficult task was to establish a circulation system which was both attractive and logical. The site plan diagram shows that this project is the first of extensive campus planning improvements for this girls' preparatory school.

An "Axis of Buildings" is evident along the entry facade. Equally important is a potential interior "Pedestrian Way" running through and connecting the major buildings.

The new basement student center is made a part of this logical circulation connector. The next improvement will be to make the final connection to the chapel.

The floor plan shows a multitude of student spaces connecting with the corridor which is linked to other buildings. The central area is given dominance by opening up the stairwell and by creating a new outside entry to the front of the building. Through the new brick walkway, students and visitors can circle under the main outside upper stair entry and come directly into the student center.

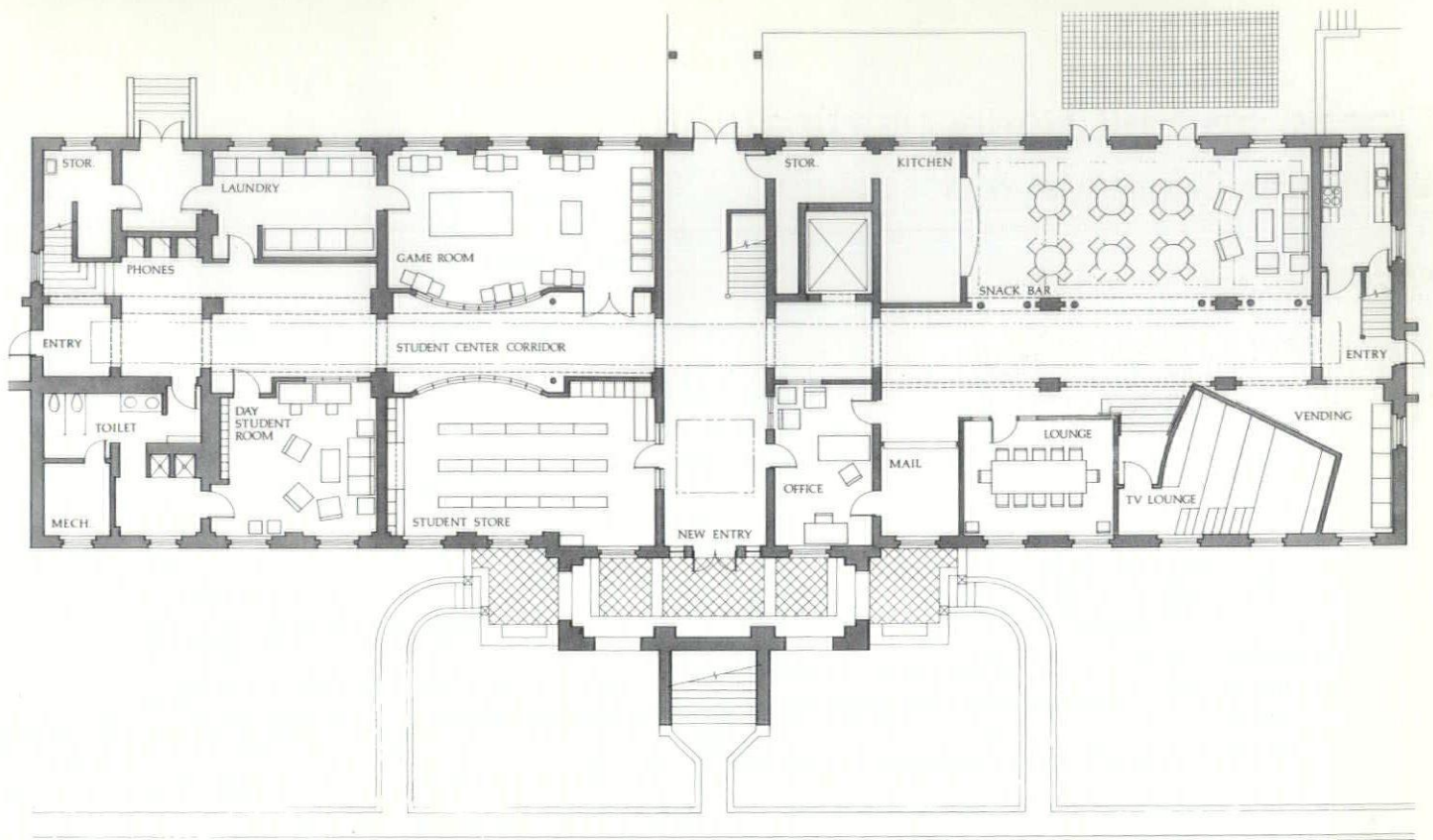
Completed: September 1984
Project Budget: \$589,000
Final Cost: \$567,000

Blair Construction, Inc. of Gretna was general contractor and handled glazing.

SUBCONTRACTORS & SUPPLIERS

Old Virginia Brick Co., Inc., Salem, masonry manufacturer; Danville Lumber & Manufacturing Co., Danville, millwork; J. W. Squire Co., Inc., Danville, ceramic tile; The Carpet Village (Jerry Dearing), Salem, carpet; Thomas E. Harris, Hurt, painting contractor; Flowers School Equipment Co., Inc., Richmond, chalk boards & tack boards; Bryant's Plumbing & Heating Corp., Martinsville, plumbing contractor; and Motley Electric Corp., Danville, electrical contractor.





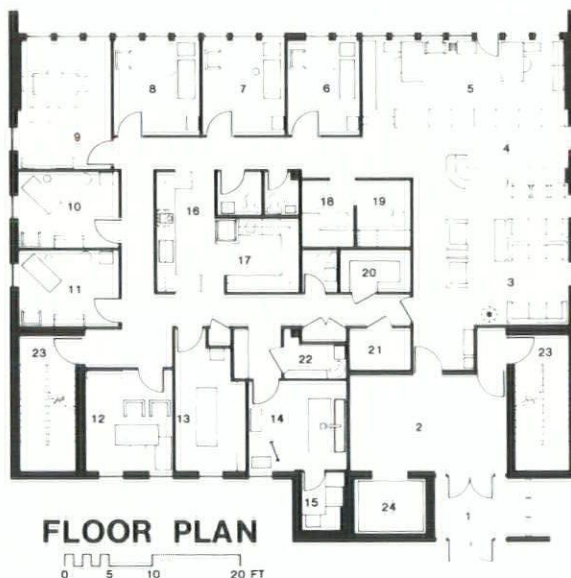
Horne and Hubach Medical Offices

Lawrence Cook AIA & Associates — Architect

Owner: Hopewell & Durrette, Inc. • Location: McLean/Fairfax County

Project Architect & Designer, Joe Taylor, AIA • Interior Furnishings: Columbia Business Interiors • Mechanical/Electrical Engineer, Manney & Lorente Assoc. • General Contractor, Caldwell & Santmyer, Inc. • Photography William Cook, Assoc., AIA.

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- 18 SCREENING
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- 20 STORAGE
- 21 MECHANICAL
- 22 HOUSEKEEPING
- 23 STAIRWELL
- 24 ELEVATOR



COMPLETED
March 1984

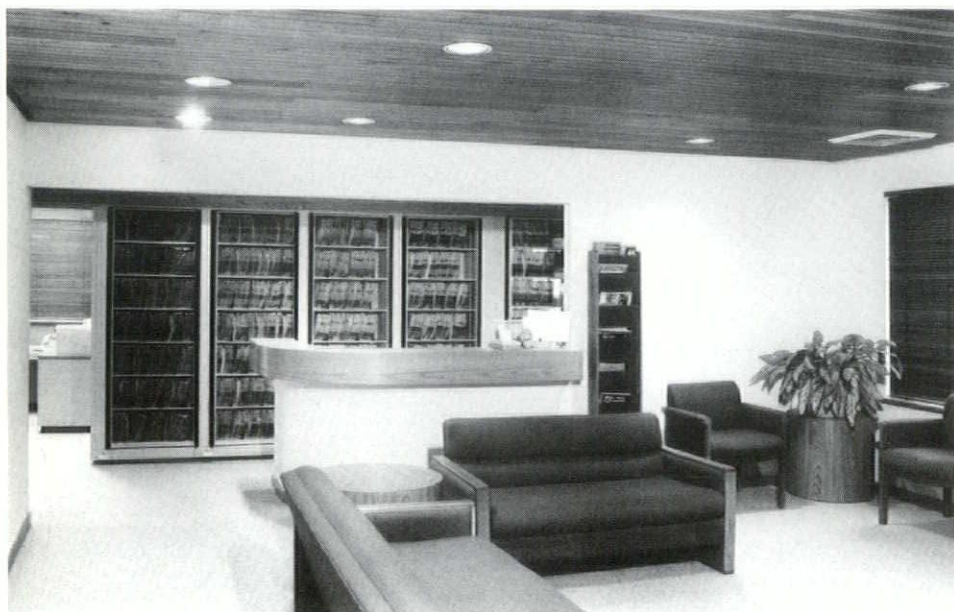
SITE
One floor of a new four-story office building.

OWNER'S PROGRAM
Two established general practitioners sought to have new medical offices designed to upgrade the image of their practice for their patients. The doctors purchased one floor of approximately 3,500 square feet in a new office building condominium to replace their old building. Their program requirements included an administrative area, a waiting area and operating spaces for two physicians and their staff.

DESIGN SOLUTION
A clean, efficient design gives this doctors' suite a new appearance while implementing the latest technologies. A simple, logical layout consisting of an inner core nurses station and laboratory wrapped by a hallway with individual offices, exam rooms and operator on the perimeter, allows for both natural lighting in the offices and exam rooms while providing the necessary uniform artificial illumination in the inner clinical spaces. The waiting and reception areas are inviting yet provide controlled access to the offices. New materials, colors and furnishings as well as a computerized record keeping system are integrated into the design for a modern, professional image while wood ceilings, indirect lighting and carpeting are used to give a sense of welcome to the patient.

Caldwell and Santmyer, Inc. of Chantilly was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS
Davenport Insulation, Inc., Springfield, wall insulation; Creative Space, Inc., Fairfax, cabinets; Salisbury Steel Products, Inc., Springfield, metal doors & frames; Dome Marble Tile, Rockville MD, ceramic tile & resilient tile; Southern Floors & Acoustics, Inc., Manassas, acoustical treatment & carpet; Doherty Bros. Plumbing Corp., Fairfax, plumbing contractor; W. T. Imlay Co., Merrifield, heating/ventilating/air conditioning contractor; and Hager Electric Service, Inc., Clinton, MD, electrical contractor.



Human Resources Building

Frank A. Spady, Jr., AIA, Architect

Owner: City of Suffolk • Location: Suffolk

Interior Designer, Frank A. Spady, Jr., AIA • Surveyor, Robert T. Addison & Associates • Mechanical/Electrical Engineer, Bowman and Associates, P.C. • Geotechnical Engineer, Froehling & Robertson, Inc. • General Contractor, J. R. Wills & Sons, Inc. • Photography, Hamblin Studio.

The City of Suffolk decided to erect a building to provide office spaces for the Department of Social Services and the Redevelopment and Housing Authority. A feasibility study was made on five different sites and the site selected was a wooded portion of a city park across the street from the Municipal Building.

As a part of the program, a traditional design was required for the exterior of the building. In addition, 125 parking spaces were to be included around the building.

When bids were received, the cost was considerably less than the budget and a decision was made to add a third floor to the original two-story plan. Therefore, the area of the building was increased from 27,110 square feet to 40,665 square feet with a very modest price increase above the original budget.

The city originally anticipated a building to serve the needs of the Social Services Depart-

ment and the Redevelopment and Housing Authority. As a result of favorable construction costs, the city now has a building that serves the Social Services Department, the Redevelopment and Housing Authority, the Juvenile and Domestic Relations Court Service Division, the Data Processing Services Department, V.P.I. Extension Services Unit and the Credit Union.

J. R. Wills & Sons, Inc. of Suffolk was general contractor and handled excavating, foundations, concrete work, handrails, carpentry, and special flooring.

SUBCONTRACTORS & SUPPLIERS (Norfolk firms unless noted)

Art-Ray Corp., Suffolk, paving contractor; Hall-Hodges Co., Inc., reinforcing; F. L. Walden, Suffolk, masonry contractor; Howell Steel Service, Inc., Weldon, NC, steel supplier/joists/roof deck & miscellaneous metal; Old Dominion Steel Co., Inc., Chesapeake, steel erection; Roof Engineering Corp., built-up roof, other roofing, roof insulation & sheet metal; and Kirk Lumber Co.,

Chuckatuck, millwork & cabinets, wood doors & windows.

Also, Colonial Painting Co. of Tidewater, Inc., Virginia Beach, waterproofing, caulking, and, with E. Caligari & Son, Inc., painting contractor & wall covering; Walker & Laberge Co., Inc., glass & glazing contractor; Door Engineering Corp., metal doors & frames; H & P Hardware & Specialty, Inc., Portsmouth, hardware supplier; Able Systems, Inc., Hampton, plaster contractor & acoustical treatment.

And, E. J. Puma & Associates, Inc., Hampton, ceramic tile; Ajax Co., Inc., resilient tile; DMA & Associates, Inc., Richmond, Howard E. Marquart & Co., and The Holcombe Co., Midlothian, specialties; Flowers School Equipment Co., Inc., Richmond, operable partitions; Dover Elevator Co., Richmond, elevator; R. L. Thompson, Inc., Smithfield, plumbing contractor; Bay Harbour Mechanical, Ltd., Virginia Beach, heating/ventilating/air conditioning contractor; and R. F. Scott, Smithfield and Stanley W. Johnson, Franklin, electrical contractors.



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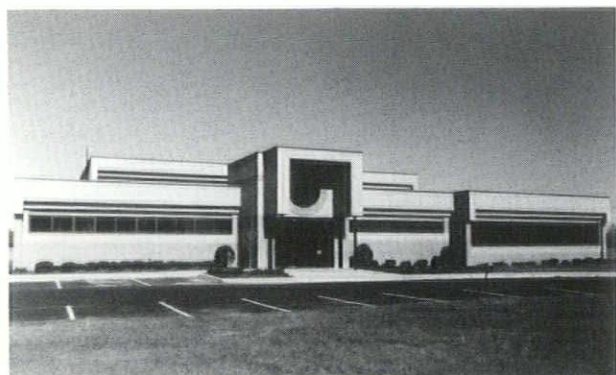
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Tarralton Community Center

The Design Collaborative — Architects

Owner: City of Norfolk, Department of Parks & Recreation • **Location:** Norfolk

Project Architect/Designer and Interior Designer, Edward G. Lazaron, AIA • **Landscape Architect,** Department of Parks & Recreation • **Site Engineer/Surveyor,** William C. Overman & Assoc., Ltd. • **Structural Engineer,** Stroud, Pence & Assoc., Ltd. • **Mechanical/Electrical Engineer,** Old Dominion Engineering, Inc. • **General Contractor,** Duke and Associates, Inc. • **Photography,** Edward C. Lazaron, AIA.

Although it responds to a simple program with simple solutions, the Tarralton Community Center successfully combines energy efficient design with architectural expression. It goes beyond the basic needs of shelter to provide an exciting, invigorating place — special to its neighborhood and unique in the city.

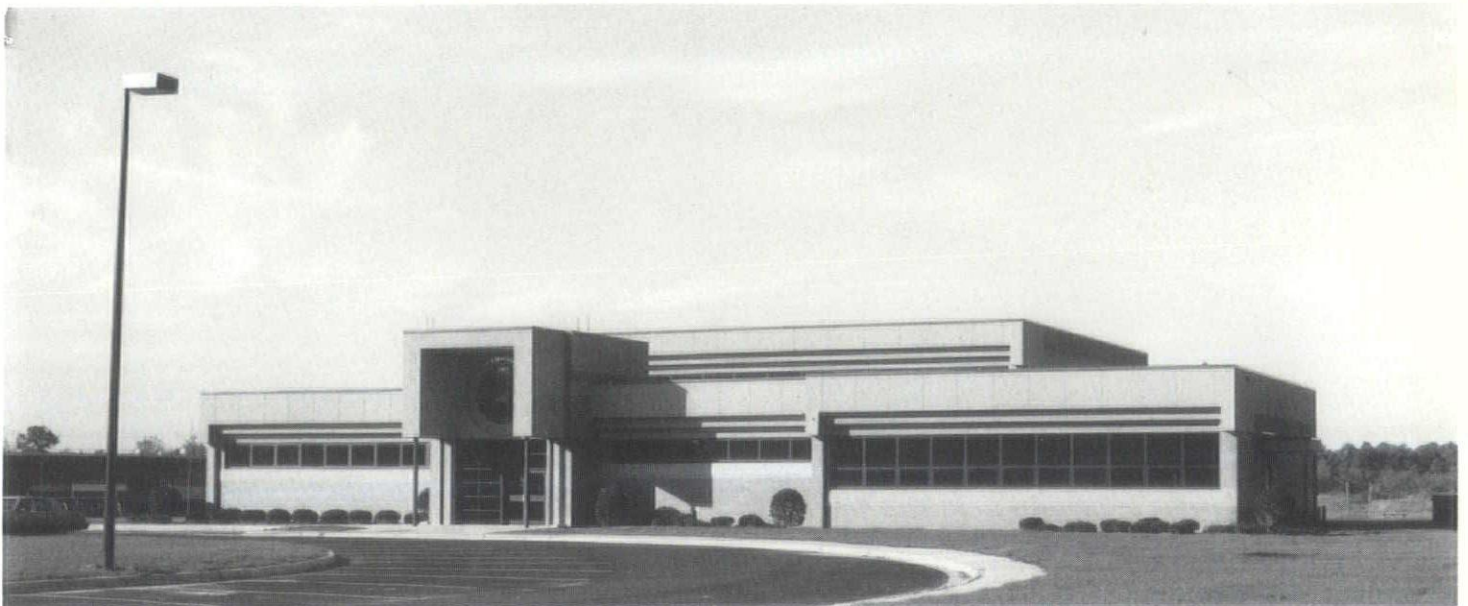
Located at the edge of a 50-acre park, adjacent to the Tarralton Elementary School, the Center is a focus for neighborhood gatherings, as well

as daily activities for young and old. The Design Collaborative was selected as architect for the City of Norfolk's first energy efficient recreation center because of their experience in natural daylighting and passive solar design. The program required a simple, vandal-proof structure which could stand alone as the Community Center (focus of an as yet to be completed Park Plan) but also be compatible with the adjacent long, low 60s—modern school.

Brick and stucco were selected as the primary exterior materials in order to complement the existing brick and concrete school. The palette is enhanced by using two colors of brick (both colors are found in the school's walls) with red mortar and accents of blue (to match the color of the school doors) and bright red. Horizontal bands of brick visually reduce the mass of the Center, while the red columns and blue circles identify the entrances.

The interior design uses a cheerful array of 13 colors, to enhance the lively atmosphere of the Lobby, Gymnasium, Game Room, and Meeting Room. Accent colors on exposed ductwork and joist chords (blue and green, blue and peach) give the ceiling a brighter look and contrast with the warm white walls and roof deck. Red door frames throughout reinforce the feelings of welcome and excitement the Center is intended to foster.

The colors, however, would be less effective were it not for natural light which illuminates them. All of the public rooms, including toilets and locker rooms have windows and/or skylights. The windows face south and are shaded in summer by fixed overhangs, stepping out above them to reinforce the horizontal bands on the exterior. Diffusing glass on the skylights combines with interior reflectors to spread their light evenly over the rooms. Light switches are key operated so the staff controls the electric



lighting during the day, a simple way to overcome the habit of turning on unneeded lights. This daylighting system works so well that many users aren't aware of the actual lighting source.

A side benefit of masonry walls used to support the steel frame roof is their ability to reduce the daily temperature swing inside the building by absorbing heat. This, combined with south-facing windows, provides the ideal passive solar heating design for this building. Finally, the painted masonry is a low maintenance finish for a facility which will undoubtedly be heavily used. All materials used were evaluated for cost, and durability before inclusion in the project.

The Tarrallton Community Center is successful because it not only exemplifies the lively spirit of the neighborhood it serves, but meets the long term needs of its owner for low maintenance, energy efficiency and a positive image for the city.

Duke and Associates, Inc. of Virginia Beach was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

Other Virginia Beach firms were: Architectural Products of Virginia, hardware, hollow metal & wood doors; Dozier Enterprises, sitework; J. Henry Holland Corp., toilet partitions; Sadler Materials Corp., ready mix concrete; and Forrest Exterminating Service, Inc., termite treatment.

From Norfolk were: Baker & Co., HVAC; Baker Roofing Co., roofing & sheet metal; E. Caligari & Son, Inc., painting & wall covering; Ferrell Lino-leum & Tile Co., Inc., acoustical ceilings; Froehling & Robertson, Inc., soil & concrete testing; Hall-Hodges Co., Inc., reinforcing steel & wire mesh; N. B. Handy Co., Plasteco skylights; Hercules Fence Div., Aluminum Specialties Co., chain link fence; Howard E. Marquart & Co., metal louvers; McCoy Plumbing & Heating, plumbing; Montgomery Doors, Inc., overhead coiling door; Paxton Co., fire suppression system; RA-CAL Construction Co., site utilities; Walker & Laberge Co., Inc., storefront, windows & glazing; Winkelman, Inc., bituminous paving; and Potter Construction Corp., site concrete.

Portsmouth firms were: Bay Tile & Carpet Corp., ceramic tile, resilient flooring & carpet; Bruce W. Hendrix Construction Co., foundations; Herrin Brothers Erection Co., Inc., caulking; and Ray's Plastering, Inc., metal studs, insulation, drywall & exterior finish system.

Chesapeake firms were: Burton Lumber Corp., millwork; L. E. Ballance Electrical Service, Inc., electrical; and Sprinkle Masonry, Inc., masonry.

Others were: Newport News Iron & Steel Co., Inc., Hampton, structural steel joists & metal deck; Parker David Building Specialties, Inc., Charlotte, NC, fire extinguishers & cabinets, signage, toilet accessories; Warthan Recreational Equipment, Inc., Hopewell, gym carpeting; and Richtex Corp., Columbia SC and Boren Clay Products Co., Pleasant Garden, NC, masonry manufacturers.

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Richard Shank Associates P.C. — Architects

Location: Charlottesville — Rt. 250 West

Associated/Consulting Architect, Carlo Pelliccia • Landscape Architect, George Carter • Structural Engineer, William R. Keyser, Jr. • General Contractor, R. E. Lee & Son, Inc.

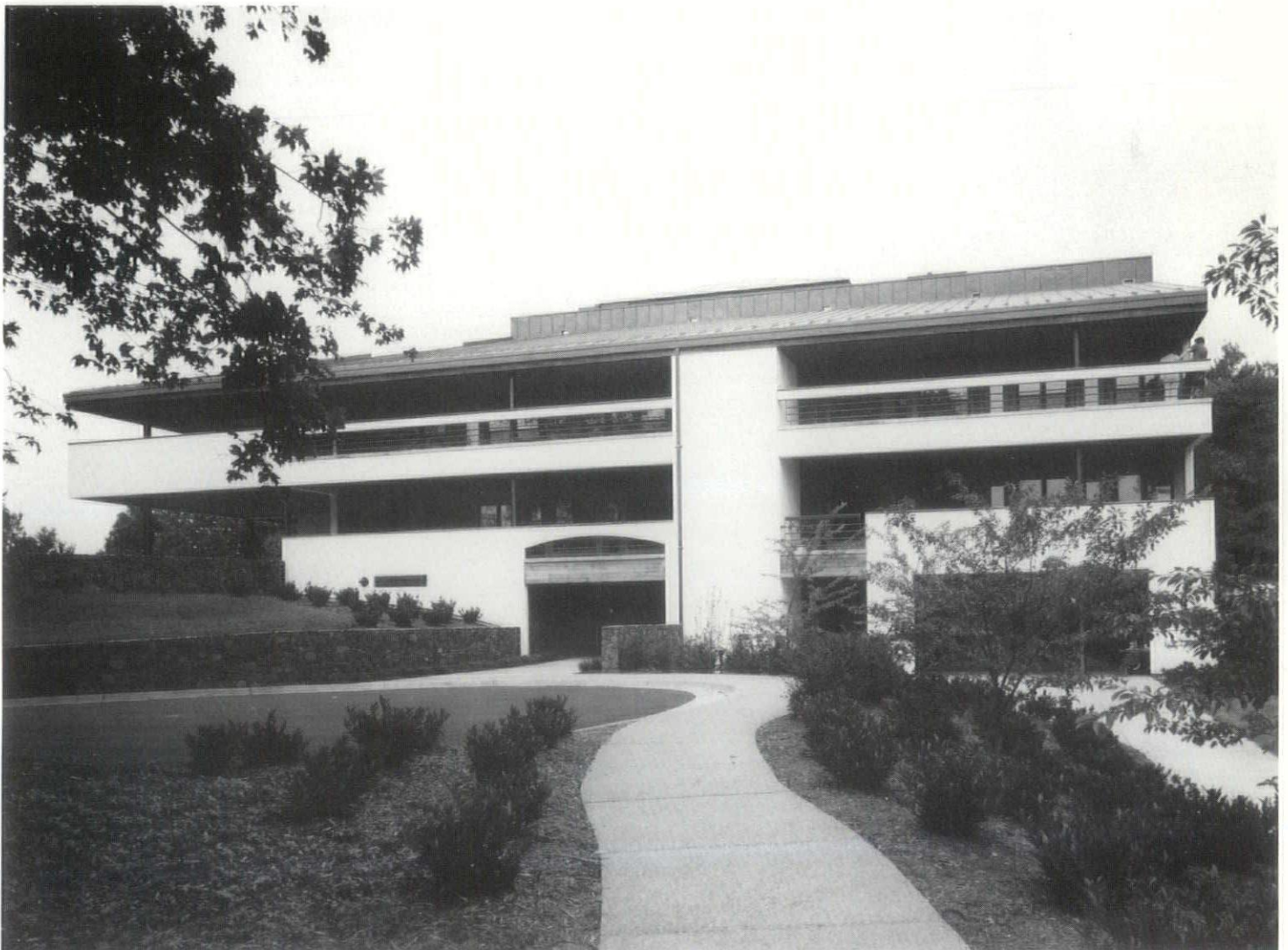
The design and construction of this building offered an opportunity to study a rather unique professional workplace. The program required the design of an understated, professional office building with a large legal library to be located on a prominent suburban site. The unique aspect of the program was that there are a large number of professional occupants with very limited direct client contact. The owner's express intention was to construct a congenial working environment which maintained intimate contact with the outdoors. A primary con-

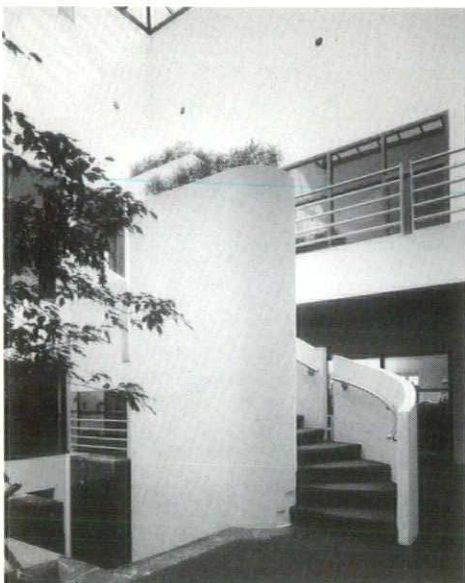
cern beyond these, was planning for large incremental growth of the building within the existing site.

The solution is a building whose long, simple, unbroken horizontals screen a structure of deceptive complexity. The facility is centrally located on its mature site at the end of a sweeping drive, which is flanked by large existing trees. Generous balconies protect and serve the offices of the east and south walls, while provisions have been made in the north wall of building growth. The primarily white stucco exterior is accented by copper and redwood detailing. The sheltering, house-like roof and masonry walls give solidity to exterior walls that are highly fenestrated.

Entrance to the heart of the office complex is found at the convergence of the sweeping drive, fieldstone retaining walls and free flowing landscape paths. The entrance gallery, flanked by fieldstone walls, leads to a dramatic, skylit central atrium. The atrium houses a commons comprised of a fountain and exuberant sculptural stair.

The interior, while rigidly defined along the east and south walls with professional offices is generally an open plan punctuated by necessary vertical services. Landscape office furniture mixes with elements of the library, allowing maximum flexibility of use and intensity. Support functions of print services, computer support, the direct mail operation and storage have





been allocated to first floor space, which serves to clear the two levels above of unnecessary noise and clutter. This arrangement has the additional benefit of keeping these areas adjacent to shipping and receiving.

All office space receives generous daylight from the almost continuous ribbon of windows, or from the central atrium, or both. Professionals are encouraged by this bright and airy environment, plus generous common areas to meet and exchange views. Occupants of private offices generally have private access to sweeping balconies where, on mild days, they might pursue aspects of their work that are not necessarily desk-oriented. Always, the work environment has direct, and sometimes intimate, contact with the extraordinary site.

The building is set near the middle of the site, front to back, and against the west property line to allow for potential growth on three sides. It is on the north side where growth is anticipated,

however, and so this wall was built of lightweight materials to facilitate that growth. Also, the number of fixed elements were kept to a minimum along the inner-wall of this north facade. The parking was held as close to the boundary as possible so that future growth would not necessitate a change. Numerous other mechanical, electrical and architectural elements were built to easily accommodate growth as this was primary concern of the client.

Much of the mature landscaping which existed on the site was saved and so the amount of new landscaping which was needed was kept to a minimum. Where added, landscaping was intended to soften the parking, add interest to the pedestrian paths and add color throughout the various seasons of the year. Again, low maintenance was a major objective.

Finally, the structure — clad in stucco, redwood, and copper — is designed for low maintenance. It is also detailed and sited for low energy consumption. The heating and air conditioning system has many zones, enabling the users to tailor the system response to time of day and personal preference. Lighting is primarily confined to circulation or specific requirements of private spaces. Generally, landscape office areas are lighted by task lighting within individual work stations, or by occasional up-turned, ambient light.

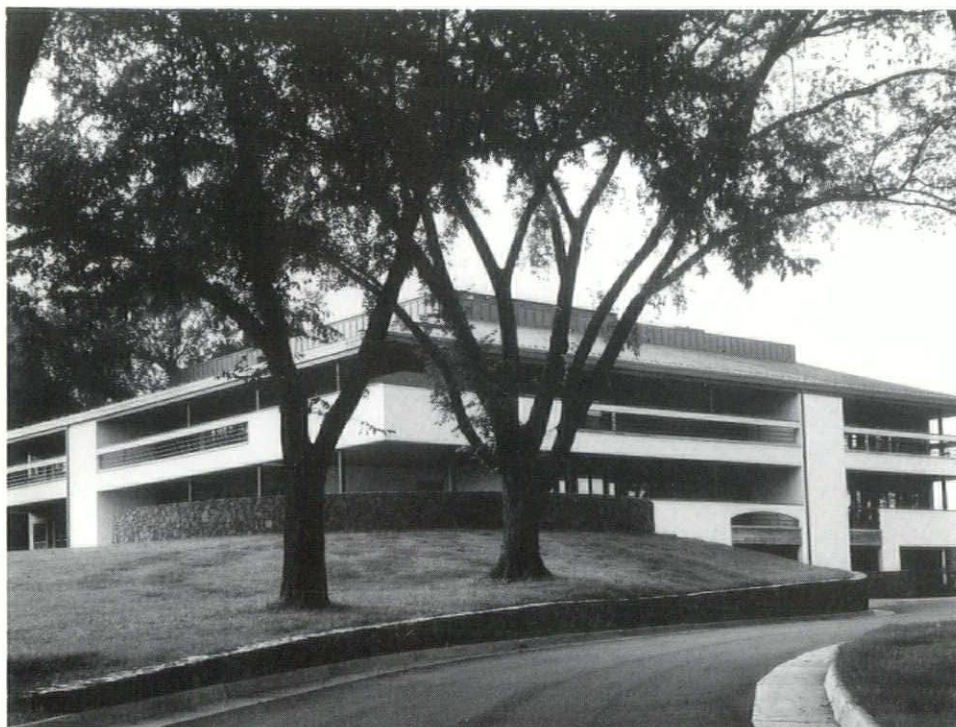
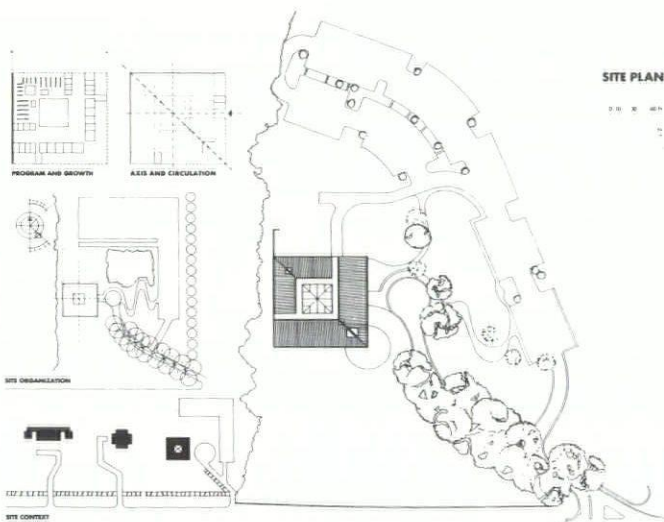
This apparently simple, classic structure sits quietly on its mature site. It provides shelter with a quality of sculpture for its occupants. The skin of the building gracefully mediates between indoor and outdoor space. The space is, to a large degree, open and uncluttered without specific corridors or rooms. The building is, in all its aspects, a serious investigation into a unique professional workplace.

R. E. Lee & Son, Inc. of Charlottesville was general contractor for the project.

SUBCONTRACTORS & SUPPLIERS

(Charlottesville firms unless noted)
Faulconer Construction Co., Inc., excavating & paving contractor; Allied Concrete Co., concrete supplier & masonry supplier; Floyd Herring, stonework contractor; Richard A. Oliva & Sons, Inc., stonework supplier; Associated Steel Products, Inc., steel supplier, steel joists, roof deck & miscellaneous metal; W. A. Lynch Roofing Co., Inc., steel roof deck; and TMS Builders Supply, Richmond, handrails, carpentry, wood doors & windows.

Also, Southeastern Waterproofing Co., Inc., Richmond, waterproofing; E. S. Chappell & Son, Inc., Mechanicsville, caulking; Glass & Metals, Inc., Harrisonburg, glass & glazing contractor; Virginia Metal Industries, Inc., Orange, metal doors & frames; Martin Hardware Co., hardware supplier; The Ceiling & Floor Shop, acoustical treatment; Chapman & Martin, Inc., Amelia, painting contractor; Dover Elevator Co., Richmond, elevator; Dagenhart Sprinkler Co., Richmond, sprinkler contractor; Roanoke Engineering Sales Co., Inc., Richmond, plumbing fixture supplier; Tacco, Inc. (now Lowe Mechanical, Inc.) plumbing/heating/ventilating/air conditioning contractor; and Vanzy L. Wood, Jr., electrical contractor.



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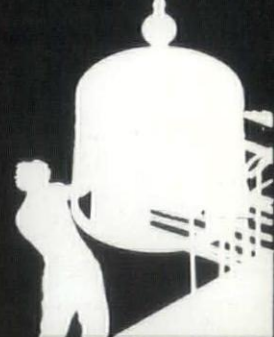
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Multicare Medical Group Office Building Renovation

Lawrence Cook AIA & Associates — Architect

Owner: Leland Memorial Hospital • **Location:** Riverdale/Montgomery County, Maryland

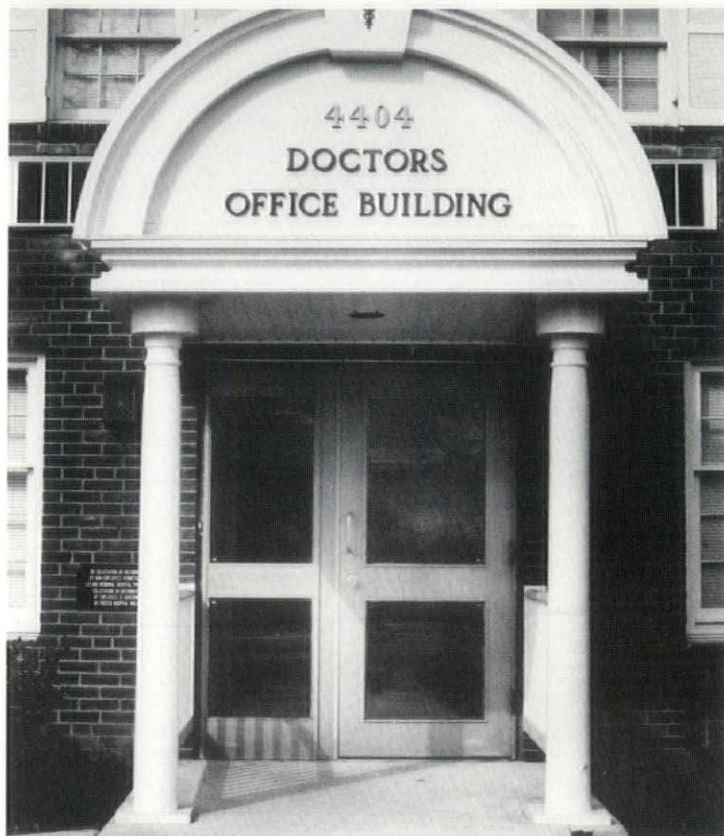
Project Architect and Designer, Joan Thomas, AIA • **Structural Engineer,** Advanced Engineers • **Mechanical Engineer,** Frank Williams, PE • **Electrical Engineer,** Alex Perez, PE • **General Contractor,** Edmar Construction Co., Inc. • **Photography,** William Cook, Assoc. AIA.

COMPLETED
July 1985

SITE
Leland Memorial Hospital — The first and second floor of an existing 50-year-old building.

OWNER'S PROGRAM

Leland Memorial Hospital owns and leases a two-story brick structure adjacent to the hospital. A 7,500 SF portion was to be renovated. Set in a residential neighborhood, the building was originally constructed as an apartment house and had been modified numerous times over a 50-year period for various uses. The first floor and part of the second floor is leased by Multicare Medical Group, P.A. Other areas of the second floor are sublet to individual physicians. Modifications to the second floor were to make rentable, income producing space out of areas presently vacant or under-utilized. Funding for the project was made available by a gift donation to Multicare Medical Group to be used solely to provide for better working conditions and a more pleasing atmosphere.



DESIGN SOLUTION

To provide a more open, cheerful atmosphere, partitions were moved, added or eliminated. Most of the finishes, lighting fixtures, and plumbing fixtures were replaced. Unused radiators were removed, thru-wall air conditioning units were replaced, and additional fan coil units were installed. An elevator was installed to provide easier second floor access for the elderly and disabled patients. A new, larger entrance canopy was provided to replace the outdated one and was designed to be readily recognized as the entrance to the newly refinished medical building. A glassed-in vestibule was provided to protect the patients from effects of poor weather conditions and to make the waiting area more comfortable. The reception area, records room and business offices were relocated to one area at the front of the building to provide working efficiency and easier accessibility for the patients. A new separate location for the lab, EKG and blood draw rooms were also provided.

Edmar Construction Co., Inc. of Washington, DC was general contractor and handled carpentry.

SUBCONTRACTORS & SUPPLIERS

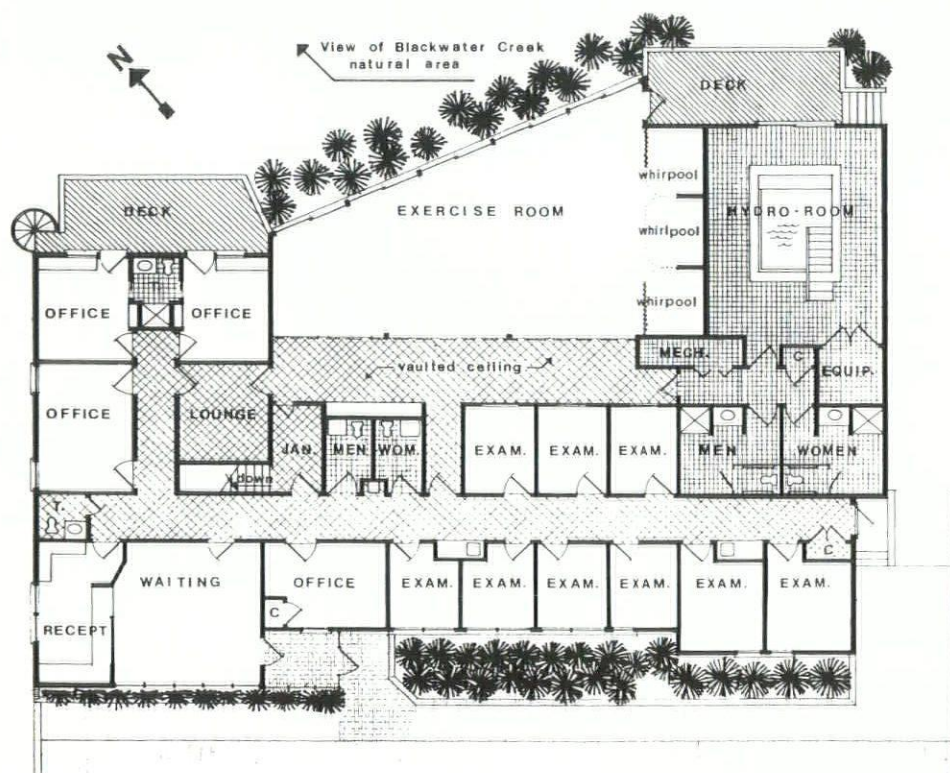
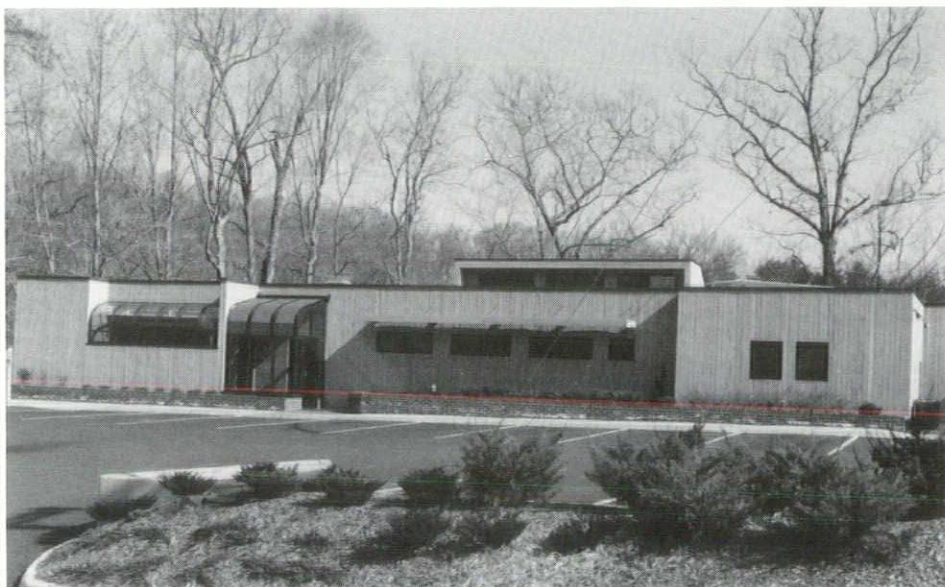
Engineered Foundations, Inc., Alexandria, concrete contractor; Quality Masonry, Rockville, MD, masonry contractor; Town & Country Kitchens, Washington, DC, millwork; D. M. Sheet Metal, Riverdale, MD, sheet metal; District Glass Co., Inc., Washington, DC, glass; Metal Specialties Co., of Va., wood doors; Contract Hardware, Rockville, MD, hardware supplier; GLB Tile Co., Washington, DC, ceramic tile; Woodmont Carpet Co., Rockville MD, special flooring; Barco Painting & Decorating, Inc., Rockville, MD, painting contractor; Montgomery Elevator Co., Rockville, MD, elevator; Chesapeake Mechanical Contractors, Inc., Beltsville, Md., plumbing contractor; Free Flow, Inc., Gaithersburg, Md., heating/ventilating/air conditioning contractor; and Cates Electric, Inc., Capitol Heights, MD, electrical contractor.

Fleming/Cope Physical Therapy Clinic

Gay & Craddock — Architectural Partners — Architects

Owners: William H. Fleming, III and Kevin M. Cope • Location: Lynchburg

Project/Architect/Designer, Kelvin L. Moore
 • Interior Designer, Janet Brown • Site Engineer/Surveyor, Hurt & Proffitt • General Contractor, Coleman & Adams Construction, Inc.



Two young and successful Physical Therapists in the Lynchburg area, Bill Fleming and Kevin Cope, decided to form a partnership and build a new, up-to-date facility in which to treat their clients. The only available lot in the existing Hospital/Medical Office corridor was a "Postage Stamp" plot on the edge of a wooded cliff overlooking the Blackwater Creek natural area.

The program called for fitting 5,300 square feet of treatment and office space onto the 15,500 square foot site and still allowing for a minimum of 18 parking spaces. Several variances were obtained enabling the site to be used for the new building. The client was interested in taking advantage of any southern exposure solar opportunities while still enjoying the spectacular view to the woods and creek to the north.

The architect's solution was to create a simple, linear pattern of geometric forms which would enhance the distinction between the surrounding natural area and the building itself. The linear forms are finished in vertical cedar siding and stained gray to blend with the existing natural color scheme. A bright orange sunshade over the entry/greenhouse form serves to playfully invite people into the building and hints of the lively interior spaces.



The building plan is organized by placing the larger, public, more heavily used spaces to the north, taking advantage of the wooded view, and literally hanging out over the cliff. The two offices for the owners also face north and a private deck extends their office space into the woods. Smaller examining and treatment rooms and the Receptionist Waiting Area are located along the south wall.

The basic floor structure is concrete slab on grade and over basement areas on steel bar joists. Walls are concrete masonry units below first floor level and 2 x 6 wood construction above. The roof structure is flat wood trusses on two foot centers sloping to exterior mounted gutters and downspouts on the rear of the building.

The building is heated and cooled by two electric heat pumps which are mounted on the roof. Air is zone controlled for each space by a thermostatic computerized damper system. The wall insulation system has a thermal resistance value of R-25 and the ceiling/roof system is rated at R-31.

Solar features include, the greenhouse forms at both the vestibule and waiting areas. An "eye-

lid," south facing clerestory adds both heat and light to the south edge of the Exercise Room. This high space with ceiling fans also serves as a hot air exhaust shaft in the warmer months when windows can be opened. An active solar array provides 75% of the hot water needs of the building including a 1,850 gallon therapy pool and three whirlpool baths.

Energy costs are expected to be 70%-80% of the energy costs of conventional buildings in the area.

The project was completed in June of 1985 with Coleman-Adams Construction, Inc. of Forest acting as General Contractor. The firm also handled foundations, concrete work, special paneling, and caulking.

SUBCONTRACTORS & SUPPLIERS

(Lynchburg firms unless noted)

May Brothers, Inc., Forest, excavating; Woodland Nursery & Landscaping, landscaping materials & landscaping contractor; Lawhorne Brothers, Inc., paving contractor; Valley Steel Corp., Roanoke, reinforcing; Thompson's Ready Mix of Lynchburg, Inc., concrete supplier; Abbott Masonry, Goode, masonry contractor & brick paving; Cavalier Steel, Inc., steel supplier/erection/joists; Sound Structures, Inc.,

Midlothian, roof deck & structural wood/Trus Joist; Woodall & Lang, Inc., built-up roof, waterproofing & sheet metal; and Ralph Moseley, Inc., roof/wall/foundation insulation.

Also, Dwyer & Williams Construction Co., Inc., Goode, carpentry; Campbell-Payne, Inc., millwork; Scott's Cabinet Shop, cabinets; Lynchburg Plate Glass Co., glass, glazing contractor and Kawneer storefront; Construction Products Co., metal doors & frames; Campbell-Payne, Inc., Algoma wood doors and Andersen & Marvin windows; Bailey-Spencer Hardware Co., Inc., hardware supplier; Harman Ceiling & Partition Co., gypsum board contractor & Armstrong acoustical treatment & resilient tile; Standard Tile Co., Verona, American Olean ceramic tile; and Hunter & Moore, Columbus, carpet.

And, J. D. Crance Co., Lynchburg, painting contractor; D. A. Hines Co., Inc., supplier of Benjamin Moore paint; Richard Gilmore, wall covering; Southwest Solar, Christiansburg, solar hot water system; Rhea M. Adams & Co., equipment; National Pools of Roanoke, Inc., Roanoke, swimming pool; Noland Co., plumbing fixture supplier; Appalachian Plumbing Co., plumbing contractor; Weather Conditioners, Inc., heating/ventilating/air conditioning contractor; Interstate Electric Supply Co., Inc., lighting fixtures/electrical equipment supplier; and H. T. Smith Electrical Co., electrical contractor.

TRAVELERS' GUIDE

Sixth Annual Monticello Wine Festival, Bacchanalian Feast and Virginia Wineries Monticello Cup Competition Planned

Virginia wines will again be the centerpiece of the 1986 Monticello Wine Festival at The Boar's Head Inn in Charlottesville on the weekend of October 4th. The Monticello Cup Competition for Virginia Wineries will be co-sponsored by The Charlottesville Wine Club.

A BACCHANALIAN FEAST will take place in the Inn Ballroom on Saturday, October 4th. Seven courses of historical delicacies will be served with Virginia wines. Entertainment and Greek dancers will be featured. Tickets are \$40.00 each. Checks must accompany reservations before September 15th.

THE FESTIVAL, sponsored by The Jeffersonian Wine Grape Growers Society will be held from 10 to 5 by the lake at the Inn on Sunday, October

5th. The event features tastings and sales by some of Virginia's most famous wineries, music entertainment by Wayne Gentry and Gold Star, craft and wine related exhibitors and delectable luncheon foods. Presentation of The Boar's Head Inn's Winegrowing Trophy and the announcement of the recipient of The Monticello Cup and the medal winning wineries will be made at noon at the festival.

Tickets for the festival are \$9.00 each which includes free wine tastings. Advance tickets are \$8.00.

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AIA's Exhibits & Lectures

September through December

The following is a list of The American Institute of Architects' conferences and lectures as well as AIA Building and Octagon Museum exhibitions scheduled for September through December 1986.

September 6-October 3

"Connections: Architectural Drawings by Gottfried Bohm," an exhibition of works by the 1986 Pritzker Prize-winning architect from Germany, AIA Building. Call Nancy Davis, (202) 638-3221.

September 9-December 30

"Architecture of Richard Morris Hunt," a major exhibition showcasing works (from the AIA Prints and Drawings Collection) by one of America's great 19th-century architects, Octagon Museum. Call Nancy Davis, (202) 638-3221.

September 21

Madison Day Event, festivities celebrating the Octagon's most famous residents, James and Dolley Madison, Octagon Museum. Call Nancy Davis, (202) 638-3221.

October 11

Octagon lecture by Ellen Miles on the early-19th-century French artist Savret de St. Memin, AIA Building, Washington, DC. Call Nancy Davis, (202) 638-3221.

November 1

Octagon lecture by Nancy Davis on Election Day celebrations, AIA Building, Washington, DC. Call Nancy Davis, (202) 638-3221.

November 2-4

AIA Design Committee's Miami Design Conference, "No Earth Tones: Fantasy Architecture of Miami," on how South Florida's architectural form is derived from fantasy rather than from tradition or geography, Miami. Call Ravi Waldon, (202) 626-7429.

December 15

"Twelfth Night," a 19th-century winter festivity at the Octagon. Call Nancy Davis, (202) 638-3221.



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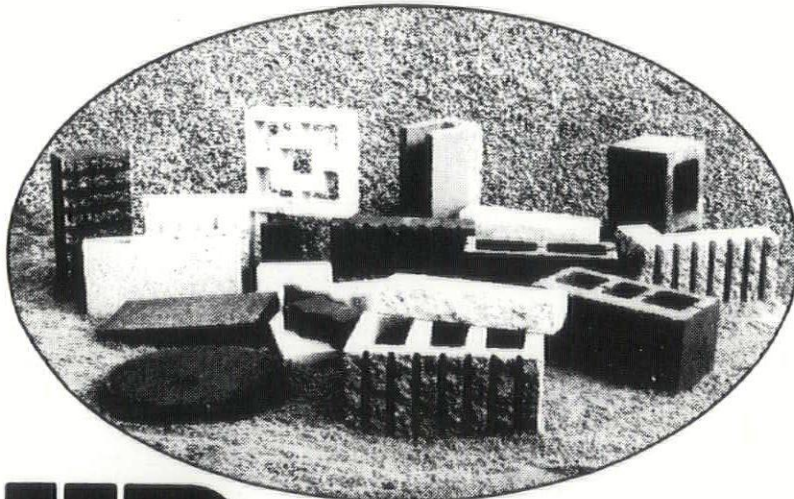


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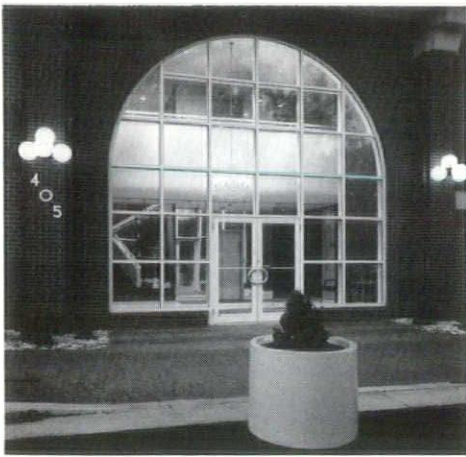
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Phase One, Jennings Business Park

Barkley Pierce Associates — Architects

Location: Falls Church

Site Engineer, Walter L. Phillips, Inc. • Structural Engineer, Gray and Heinzman • Mechanical/Electrical Engineer, Hurst and Associates • Geotechnical Engineer, Soil Tech, Inc. • Renderer, Art Associates • General Contractor, L. F. Jennings, Inc.



After more than two dozen public hearings and work sessions, the City of Falls Church gave its approval to the L. F. Jennings Company to begin construction of the Phase One office building in their Jennings Business Park.

The effort, led and coordinated by architect Paul Barkley of Barkley Pierce Associates, was not only a successful achievement for the project's owner but also for several special interest citizen groups in the city.

Nearby residents were successful in persuading the developer to construct a building, that in scale and materials, blended with and was complementary to adjacent garden apartments and nearby townhouses. The three-story height was one floor less than permitted and parking lot entrances were located at remote ends of the property to help deter traffic from using residential streets. Extensive landscaping also helped buffer the residential area from the new commercial development.

Historic preservationists achieved a major boost when L. F. Jennings gave the historic 1871 Crossman farmhouse, fully restored, now sits on a prominent site at the entrance to Shadow Walk, a street of 10 custom homes.

At the suggestion of the architect, the Jennings Business Park was oriented inward, centering on a grassy knoll on which stands a noteworthy 40-inch American Beech. Listed on the Falls Church Village Preservation and Improvement Society's inventory of noteworthy trees and protected by the city's tree ordinance, the hand-somely shaped specimen tree became a major asset as well as the focal point of the office building development. Low landscaping, winding paths and park benches are to be amenity for office workers.

Finally, the developer succeeded in constructing a building that not only met his needs for a new and expanded headquarters, but also a structure that utilizes and displays the many skills of his business — that of masonry contractor. In addition, the Industrial Development Authority of Falls Church issued an industrial revenue bond that aided in the financing of the project.

The 25,000 square foot, load-bearing masonry structure, which won a design award commendation in 1985 from The Masonry Institute, utilizes a harmonious blend of two brick colors in a variety of wall surfaces, columns, and belt courses. The facade is accented with cast-stone capitals and panels. A two-story brick arch highlights the main entry.

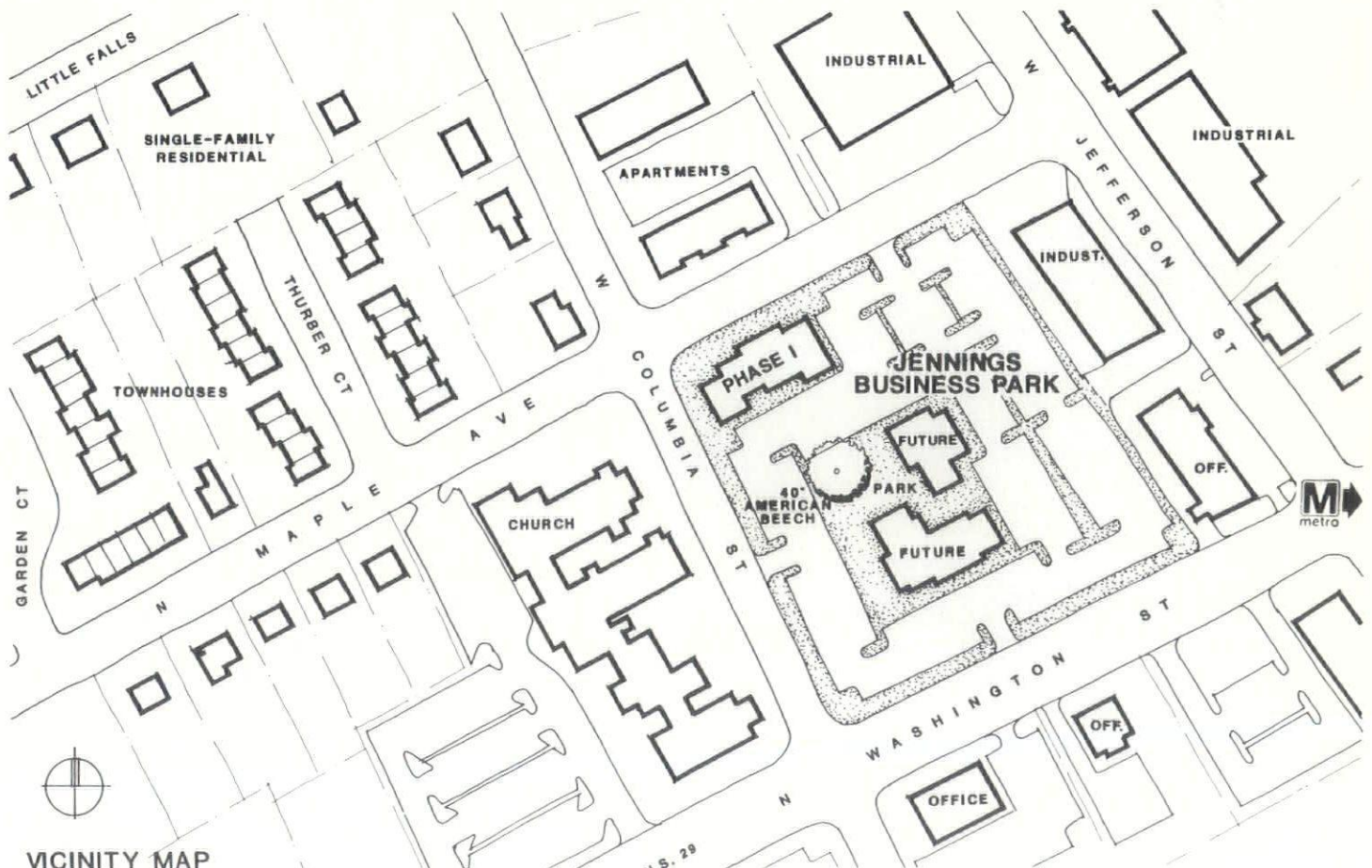
The western facade facing nearby apartments, is residential in character. Here, first floor offices open onto terraces enclosed with brick walls. These elements combined with offsets in the rear wall and a brief expanse of mansard roof break up the building's mass and help the structure fit comfortably into its setting.

The eastern facade, cut away to provide an arcade on each side of the main entrance, is oriented toward the interior of the property and its central green space. A two-story, brick-walled lobby features an open stair wrapping around the elevation shaft and accessing a bridged walk connecting the two sides of the upper lobby. The building was completed in April 1984.

L. F. Jennings, Inc. of Falls Church was general contractor for the project, and handled masonry work.

SUBCONTRACTORS & SUPPLIERS

Arlington Iron Works, Inc., Manassas, steel supplier; Seaboard Concrete Products Co., pre-cast stone & cast stone signs; R. D. Bean, Inc., Beltsville, MD, roofing contractor; Woodbridge Glass Co., Inc., glass supplier; Baco Co., Inc., Springfield, plumbing/heating supplier; Airway Sheet Metal Co., Inc., Great Falls, dampers/grilles/diffusers; T & M Electric Co., Inc., Manassas Park, electrical fixtures; Capital Sprinkler, Columbia, MD, sprinkler system; AAA Thermal Windows & Doors, Fairfax, door supplier; and Potomac Valley Brick & Supply Co., Rockville, MD, brick supplier.



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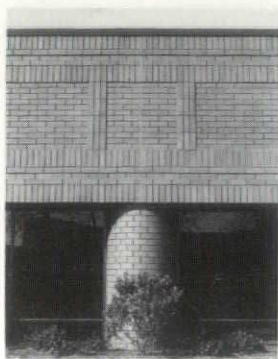
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Office/Warehouse

Forrest Coile Associates, P.C. — Architects

Owner: Robinson, Wetmore & Ellis • **Location:** Norfolk Commerce Park, Norfolk

Project Architect/Designer, A. Bruce Joyner
 • **Landscape Architect,** Winn Nursery, Inc. •
Cost Consultant/General Contractor, McDevitt & Street Co. • **Site Engineer/Surveyor,** Langley & McDonald • **Structural/Mechanical/Electrical Engineer,** Forrest Coile Associates, PC • **Photography,** Russell Carlock & Abdelkader Labidi.

PROGRAM

- Office/Warehouse
- 70,000 square feet
- half of the building to be occupied by one tenant
- the rest of the building to be leased to multiple tenants
- one main loading dock

SITE

This building, located in Norfolk Commerce Park, occupies a prominent corner site. The neighborhood consists of office buildings almost all built within the last seven to eight

years. Though most of these buildings are of acceptable design, none present a definite character or establish a standard for others to follow.

To avoid adding to this lack of definition, it was decided that the building should establish an identity of its own, without contrasting drastically with the surrounding structures.

DESIGN SOLUTION

The developer wanted a building with a feeling of permanence and establishment, rather than to create a building that is "neat" or trendy. That is why a conservative approach was taken. From the construction point of view, the building was built under budget and following high standards of materials and workmanship. Even though economic success of a building is not proof of its success architecturally, it is almost fully occupied.

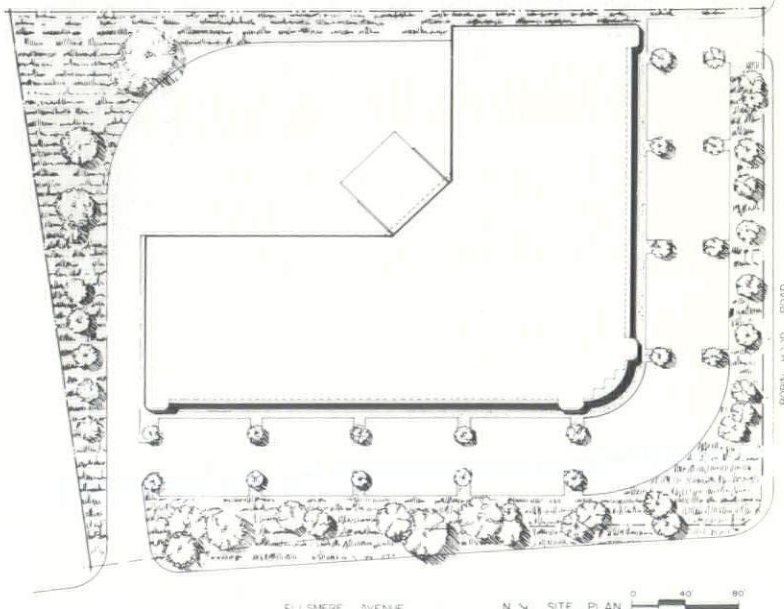
Taking advantage of the corner site, the building was designed in an "L" shape with one side on Ellsmere Avenue and the other on Robinhood Road, creating an imposing facade on both streets. The corner of the "L" is the "corner stone" of the building, with a circular overhang,

and the entry below framed by two massive columns each four feet in diameter. This entry was eventually moved half way down one side of the "L" because of one of the tenant's internal requirements.

There is a second advantage of the "L" shape. The long street facades hide the warehouse functions of the building, served by truck traffic, from public view, thus presenting an undisturbed face to the streets.

Once the concept of the overall shape of the building was determined, scale and appearance were addressed.

The program called for a single-story building with 14 feet clear height in the back and eight to nine feet clear height in the front. Structure and program dictates each facade to be approximately 300 feet long and only 18 feet in height each direction of the "L" shape. To add interest to this 300-foot masonry band, semi-circular pilasters four feet in diameter were placed at equal intervals. The end corners were designed as over scaled pilasters that extend the full height of the building. This approach helped anchor the building and define the ends.



To avoid a monotonous facade without compromising with the conservative attitude originally sought, it was decided to articulate the expansive wall surfaces to create interest. Having this in mind the architect and the developer chose a single material — brick — as the main material for the building. Red oversized brick, tinted glass and bronze anodized aluminum constitute the exposed materials of the facade. Brick patterns, large panels and deep recesses create contrasting shadows, especially when seen from the street. Immaculate workmanship by the bricklayers gives the building a finished, polished touch, even when seen from close up.

The success of this project is due to the unusual trust developed between architect, developer

and contractor during design and construction phases of the building.

CONSTRUCTION CREDITS

McDevitt & Street Co., of Richmond was general contractor for the project, and also handled foundation, concrete work and carpentry.

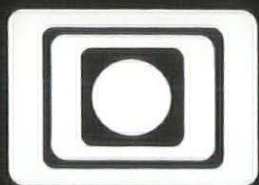
SUBCONTRACTORS & SUPPLIERS

E. V. Williams Co., Inc., Norfolk, excavating & paving contractor; Winn Nursery, Inc., Norfolk, landscaping contractor; Owen Steel Co. of N.C., Inc., Gastonia, NC, reinforcing; Sadler Materials Corp., Norfolk, concrete supplier & mortar; Snow, Jr. & King, Inc., Norfolk, masonry contractor; Taylor Brick, Virginia Beach, masonry manufacturer; Lone Star Industries, Inc., Norfolk, masonry supplier; Steelfab, Inc., Charlotte,

NC, steel supplier, steel roof deck; Steel Erectors, steel erection; Guille Steel Products Co., Virginia Beach, steel joists; and Baker Roofing Co., Norfolk, built-up roof & roof insulation.

Also, KNT, Portsmouth, waterproofing; American Door & Glass, Inc., Richmond, storefront; Door Engineering Corp., Norfolk, hardware supplier; Greenwich Supply Corp., Virginia Beach, gypsum board contractor; Smith-Gerloff Painting & Decorating, Inc., Chesapeake, painting contractor; Grinnell Fire Protection Systems Co., Inc., Richmond, sprinkler contractor; Stanback Plumbing, Virginia Beach, plumbing contractor; Aircon, Ltd., Chesapeake, heating/ventilating/air conditioning contractor; and L. E. Ballance Electrical Service, Inc., Chesapeake, electrical contractor.

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Private Residence

C. Craig Hudson — Architect

Owner: C. Craig Hudson • Location: Tabb, York County

Project Architect/Designer, C. Craig Hudson
• General Contractor, Seafaye Construction
• Photography, Mike Wade - J. M. M. Photographic.

Located in the Tabb section of York County, the house was designed by its architect-owner for his family of four. The program includes three bedrooms, two and one-half baths, living, dining, kitchen, family room and a study. A detached garage is to be built in the future.

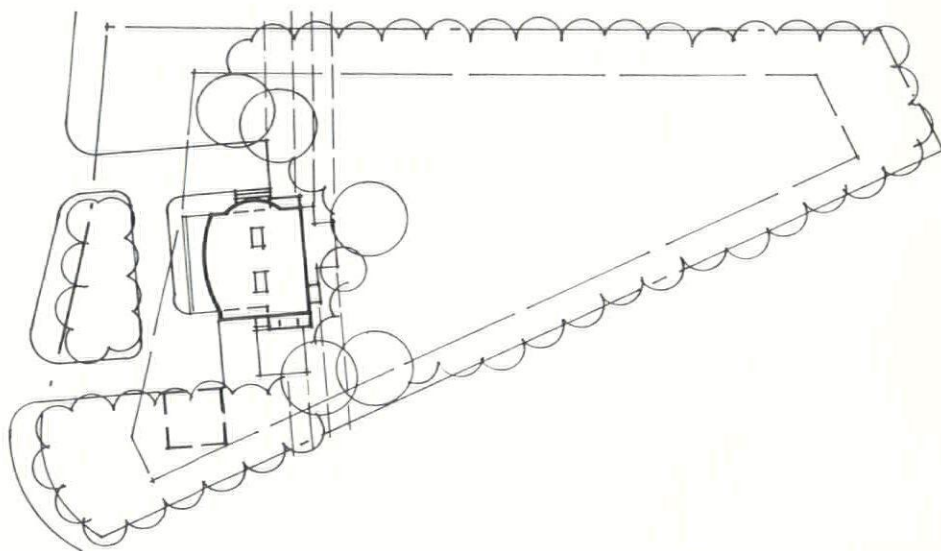
The property is pie shaped and had been left vacant for years. It remained unbuildable until the county sewer system was extended to the neighborhood. The site was heavily wooded and served as a park and playground for neighborhood children. Although the intrusion of the house on the lot altered that use, the preservation of trees on all sides maintained the natural setting.

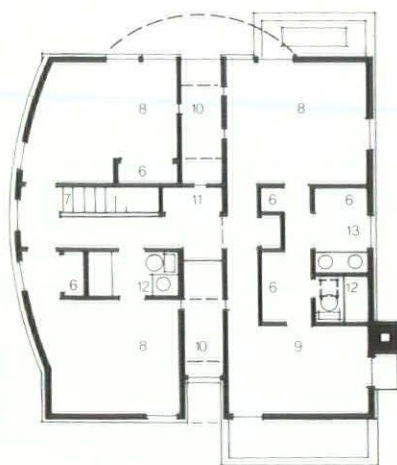
The property lines narrow to 70 feet at the front yard building restriction line with the rim of a steep bank just 15 feet in from that setback. The dramatic change of grade in the normally flat land of Tidewater, provided special opportunities for spatial manipulation both inside and at exterior spaces. The rear of the property beyond the bank is low and with numerous springs. While this area is not suitable for construction it is several hundred feet deep, filled with deciduous trees and therefore affords great privacy and pleasant views to the east.

The zoning setbacks and topography left little choice of where to site the house. A slight move up the hill preserved a holly tree and a twist in the opposite direction framed a view for an upstairs window. The site dictated a two story scheme to satisfy the 2500 square feet program, with the living spaces assigned to the first floor and the bedrooms and study located above.

The plan organization divides the house into four quadrants on each floor while the circulation axis rotates 90° from first to second. The living and family rooms were placed in the NE and SE quadrants respectively to take advantage of the privacy and views. The floor levels of these areas were lowered to follow the site and increase their volume. The dining room and kitchen are on the west side with the kitchen to the south.

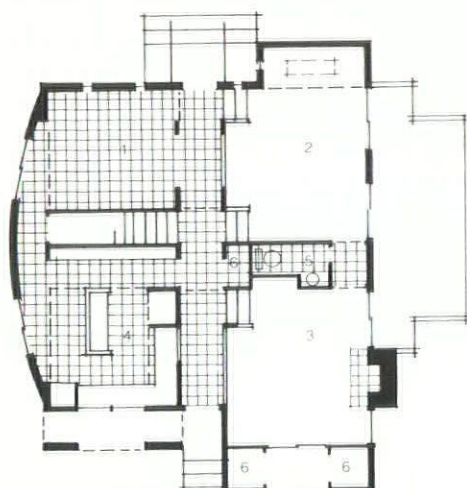
Social activities of the family required an open relationship between living spaces as well as a variety of exterior relationships in support of entertainment. The kitchen was required to be relatively isolated to conceal the preparation activities. The bowed west wall serves as the link while separating spaces. The curve precludes direct visual access to the kitchen from





SECOND FLOOR PLAN

- | | |
|------------|----------------|
| 6. CLOSET | 10. LIGHT WELL |
| 7. STAIR | 11. LAUNDRY |
| 8. BEDROOM | 12. BATH |
| 9. STUDY | 13. DRESSING |



FIRST FLOOR PLAN

- | | |
|-----------|------------|
| 1. DINING | 4. KITCHEN |
| 2. LIVING | 5. POWDER |
| 3. FAMILY | 6. CLOSET |

the dining room. At the second floor the radius makes room for the stair run.

Passive solar considerations as well as the requirement that the rooms be massed so they could receive natural light during those portions of the day when they were most likely to be used, was a high priority. A central hallway running north/south mirrored connects the front and back doors. Each entrance is a double height space capped by a light monitor. At the living room the light comes from the west, at the kitchen and family room the monitor faces east. These wells and other offsets also allow the second floor rooms to borrow light to meet similar requirements.

A variety of exterior relationships were achieved by capitalizing on the site conditions and plan arrangements. A wide deck stretches across the east elevation providing an elevated outdoor relationship for the living and family rooms. The family room also has a relationship to an outdoor terrace on the south. Both the dining room and kitchen open to small gardens which are fenced and landscaped to provide additional privacy from the street.

Particular efforts were made to respect the existing neighborhood patterns which are typified by mature landscaping and brick ranch homes built in the sixties. A restrictive covenant in the deed requires that all houses be constructed with a minimum of 75% brick.

In response, brick and Dryvit were selected as exterior materials. The brick extends up to the second floor window sill level thereby fulfilling the deed restriction while composing the elevation with a proportion that is sympathetic with the adjacent homes. Above the brick, the Dryvit system was used to facilitate the longer spans

at the entry elevation and the construction of the eyebrow overhand.

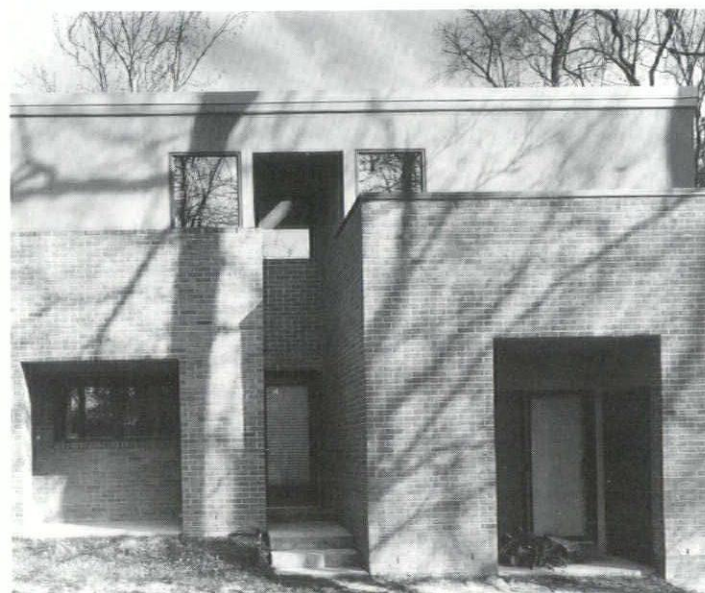
The most notable success of the design is the house's compatibility with its natural and man-made surroundings while also making a strong personal design statement. Additionally, the indoor/outdoor relationship, solar responses and spatial variety of the planning elevate the program solution to architecture.

Seafaye Construction of Virginia Beach was general contractor for the project, and handled foundations, carpentry and millwork.

SUBCONTRACTORS & SUPPLIERS

C. W. Davis Landscaping & Clearing, Bena, excavating; Hertiage Garden Center, Grafton, landscaping materials; Pembroke Construction Co., Inc., Hampton, paving contractor; Hall-Hodges Co., Inc., Norfolk, reinforcing; Benson-Phillips Co., Inc., Newport News, concrete supplier, masonry supplier & mortar; William Goode, masonry contractor; Webster Brick Co., Inc., masonry manufacturer; Virginia Steel, Inc., Hampton, steel supplier & miscellaneous metal; and Roof Engineering Corp., Norfolk, roofing, roof insulation & waterproofing.

Also, Kitchen Tops, Inc., Norfolk, cabinets; Walker & Laberge Co., Inc., Newport News, glass; Kempsville Building Materials, Inc., Virginia Beach, wood doors; Andersen Windowalls, Bayport, MN, windows; Seaboard Building Supply Co., Norfolk, hardware supplier; Phillip Mosser Co., Inc., Virginia Beach, exterior Dryvit, plaster contractor; Broccuto Drywall & Acoustics, Inc., Newport News, gypsum board contractor; Brunk Tile & Interiors, Inc., Newport News, ceramic tile; Collins & Ackman, Richmond, carpet; J. R. Hilly, Newport News, painting contractor; Atlantic Plumbing, Heating & Air Conditioning Co., Inc., Hampton, plumbing fixture supplier; and Smith & Keene Electric Service, Chesapeake, heating/electrical contractor.



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FOR THE RECORD

Kjellstrom and Lee, Inc. Top Management Appointments

Kjellstrom and Lee, Inc. of Richmond, VA has announced a reorganization plan involving changes in the general contracting firm's top management.

Effective June 1, 1986 N. David Kjellstrom became Chairman and Chief Executive Officer and W. O. Jones, III became President and Chief Operating Officer.

The reorganization resulted from the decision of Harry G. Lee, Executive Vice President, to retire as of December 31, 1986. He and Kjellstrom founded the firm in 1961. Jones, a 1963 graduate of Virginia Military Institute, has been with the company since 1968. He became Vice President in 1974.

Over the course of its 25-year history, Kjellstrom and Lee, Inc. has experienced steady growth based primarily on projects in central Virginia. In June 1985, the firm opened an office in Norfolk, to serve the Hampton Roads area.

The company uses the so-called "building team" approach, working with owners and architects during the early design stages of a project to ensure adherence to budget and schedule.

Greenhorne & O'Mara Wins ASLA Design Award

Greenhorne & O'Mara, Inc.'s Rockville, MD office was recently awarded the Landscape and Architectural Design award for its role in the Hidden Valley Resort Community and Conference Center, a Kettler Brothers, Inc. project located in Somerset, PA. The award was presented by the Maryland Chapter of the American Society of Landscape Architects (ASLA). The Landscape Architectural Design category recognizes constructed, site-specific works of landscape architectural design. Projects were judged for quality of design, functionalism, context or relationship to surroundings and overall significance to the profession and the environment.

Greenhorne & O'Mara, Inc. and Kettler Brothers, Inc. worked together to provide "a jewel in the middle of the forest," a year-round conference/resort community with exciting and pleasant

Among the projects for which Kjellstrom and Lee, Inc. has provided pre-construction and construction services are Kings Dominion Theme Park, Richmond Eye and Ear Hospital and facilities for Security Federal Savings and the Bank of Virginia.

The company has also been involved in the construction of the Project I Office Building, Lexington Tower, 14th and Cary Streets Parking Deck, Klockner Pentaplast of America Manufacturing facility, St. Mary's Hospital, Neighborhood Theatres (10 facilities), Paragon Place, Willow Lawn Mall, Amvest Corporate Headquarters and numerous office buildings, warehouses and shopping centers.

The firm has been successful in the competitive bid market also, including such projects as MCV's Sanger Hall; various C & P Telephone Company Equipment Buildings, Operations Centers and Office Building; Godwin High School and Richmond Memorial Hospital.

"We look forward to another 25 years of successful business as we continue to participate in the growth of Richmond and the entire Commonwealth of Virginia," said Jones.

Patton, Harris, Rust Names Jerussi

Patton, Harris, Rust and Associates, P.C. is pleased to announce that Mark Jerussi has joined the Civil Engineering Department as Design Engineer. Mr. Jerussi is a recent graduate of Texas A & M University where he received a Bachelor of Science Degree in Civil Engineering.

Patton, Harris, Rust and Associates, P.C. is a full service engineering firm ranked in the top 400 of the *National Engineering News Record*. The firm currently employs 170 people throughout its offices in Fairfax, Leesburg and Bridgewater, Virginia and Rockville, Maryland.



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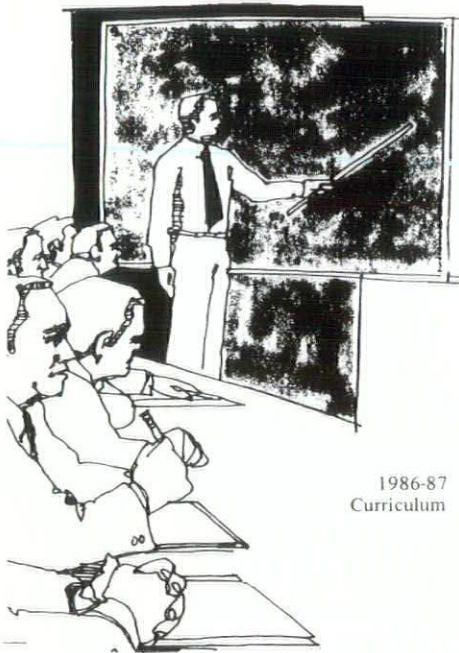
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1986-87
Curriculum

CERTIFIED CONSTRUCTION MANAGEMENT SEMINARS



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and STATE UNIVERSITY

WHAT IS CCM?

The Certified Construction Management seminars enable key managers in construction to develop additional competency in management through continuing professional education. AGC of Virginia's Professional Development Committee, with the assistance of Virginia Tech, has designed this program to cover many essential aspects of managing a successful construction business.

Top and middle managers can update their business knowledge through this program. New and upcoming managers can acquire the know-how essential to become an effective member of a management team.

HOW IS A CERTIFICATE EARNED?

Participants who satisfactorily complete a minimum of 15 seminar days in the program and pass a certifying examination will be awarded a Diploma in Construction Management, issued jointly by AGC of Virginia and Virginia Tech. The AGC of Virginia is one of the first chapters to adopt a certification/diploma approach for developing middle and upper management. Because of the growing importance of continuing education in all professions, this approach may soon be nationally recognized in the industry.

REGISTRATION

A registration form and detailed information about each seminar appears in the AGC/Va. Information Bulletin approximately four weeks before each seminar is given. Those who have attended previous seminars also receive registration forms and information through the mail.

ESTIMATING AND BIDDING

September 19-20, 1986 — Virginia Beach — Virginia Beach Resort and Conference Center

Designed to improve participant's estimating and bidding skills. It will emphasize:

- Importance of cost information, essential for good pricing system
- How to gauge effect of retainage of pricing
- How to improve budget techniques to get more profitable jobs
- How to determine true capital and overhead costs
- Why key managers should be involved in pricing strategy

PROJECT MANAGEMENT

October 17-18, 1986 — Roanoke — Sheraton Airport Inn

Provides line and staff management personnel with a project management program that will assist in better planning and control of schedules, costs, and performance. Learn how to:

- Price out a work schedule
- Use logic diagrams
- Control schedules and costs
- Use of PERT
- Use of economic basis rather than intuition to determine trade-offs

QUALITY CONTROL

November 5, 1986 — Richmond — Sheraton Airport Inn

Will give contractors and owners the methods they need to establish effective quality control and quality assurance programs for contractors and owners. A review of the benefits and the problems of traditional inspector-based and contractor-based quality control programs will

be presented along with new developments in these traditional programs. Systematic and statistical quality control programs currently used on many construction projects also will be presented.

THE COMPUTER IN BUSINESS MANAGEMENT
November 14, 1986 — Williamsburg — Sheraton Patriot Inn

This program will explain the nuts and bolts of:

- How a computer system should operate in a contractor's office
- How it should provide the basis for an orderly operating procedure for day to day business functions.
- How it should, as a byproduct, provide valuable and concise job cost and management reports for timely action.

The course is designed for comptrollers, office managers and other middle level managers who today are taking on roles of increased management responsibility. The emphasis will be on demonstrating a practical, real world Job Cost Management System and how to actually implement it.

PROJECT SCHEDULING/CPM

December 4-5, 1986 — Manassas — Holiday Inn

Designed to expand contractor's knowledge of project scheduling techniques in order to use them more effectively.

Learn how to:

- Update a C.P.M. schedule and apply it in the field
- Determine which scheduling technique is most appropriate for certain types of projects
- Understand the C.P.M. responsibilities of subcontractors, owners and architects.

Learn legal aspects of:

- Schedules including construction law
- Scheduling before and during construction
- Warranties
- Early and late completion
- Delays and floats
- Arbitration and litigation

FINANCIAL MANAGEMENT FOR CONTRACTORS

February 20, 1987 — Richmond — Sheraton Airport Inn

A practical approach to using management reports. Directed at methods of effective collection and use of management information that should be readily available to the contractor. This course will examine the information requirements of both the financial accounting and job cost accounting (project management) sides



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of the business and how both of their objectives can be accomplished. The emphasis will be on a demonstration of a practical, real world computer information system, how information should be presented and how it should be used for both day to day project management and long term financial planning. This course is designed for comptrollers, project managers and upper level management.

SELF MANAGEMENT — CONTROLLING TIME AND MANAGING STRESS

March 6, 1987 — Fredericksburg — Sheraton Fredericksburg

This program first will focus on the common "time wasters" that face managers. The discussion and handout materials will present drop-in visitors, meetings, and paper work. Ideas will be presented on how to overcome a management by crises style of management and how to make continuous progress on important long terms, tasks, and projects. The manager will be helped to identify the stresses in his or her own life as well as those in the work force. Various methods for coping with stress will be discussed. Participants will measure the amount of stress in their life. Finally, a discussion on the development of a stress management plan incorporating time management principles will be conducted.

ESTIMATING AND BIDDING

March 19-20, 1987 — Charlottesville — Ramada Inn

Designed to improve participant's estimating and bidding skills. It will emphasize:

- Importance of cost information, essential for good pricing system
- How to gauge effect of retainage on pricing
- How to improve budget techniques to get more profitable jobs
- How to determine true capital and overhead costs
- Why key managers should be involved in pricing strategy

PROJECT MANAGEMENT

April 10-11, 1987 — Fredericksburg — Sheraton Fredericksburg

Provides line and staff management personnel with a project management program that will assist in better planning and control of schedules, costs, and performance. Learn how to:

- Price out a work schedule
- Use logic diagrams
- Control schedules and costs
- Use PERT
- Use economic basis rather than intuition to determine trade-offs

PERSONNEL AND THE LAW

April 24, 1987 — Newport News — Holiday Inn
Learn the latest strategies for effectively reducing corporate liability when dealing with such issues as:

- Employment at will
- Selection
- Compensation
- Performance Appraisal
- Working Conditions
- Sexual Harrassment

For more information contact:
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State Ed News

From the State Superintendent of Public Instruction

CHESTERFIELD TEACHER IS NAMED GOVERNMENT FELLOW

G. Michael Wildasin, who teaches government at Manchester High School in Chesterfield County, has been selected as a Fellow in Virginia Government for 1986-87 by the Institute of Government and the Curry School of Education at the University of Virginia. Candidates are selected partly on the basis of original instructional material and recommendations of other educators. As a fellow, Mr. Wildasin will take sabbatical leave during the next school year to conduct workshops for teachers and professional groups around the state.

APPOMATTOX, VIENNA SENIORS RECOGNIZED FOR LEADERSHIP

Two Virginia high school seniors have received scholarships of \$1,500 each as state winners in the National Century III Leaders competition. They are Kenneth Marston of Appomattox High School and Anthony DiFiore of Madison High School in Vienna. Each student also was recognized with a plaque and an expense-paid trip to a national conference in Williamsburg. Century III Leaders is a program administered by the National Association of Secondary School Principals to promote student leadership and encourage involvement in community and social issues.

FOUR VIRGINIA HIGH SCHOOL SENIORS NAMED PRESIDENTIAL SCHOLARS

Four Virginia high schools seniors have been named Presidential Scholars for 1986 and were honored for outstanding academic and artistic achievement in Washington, D.C., during National Recognition Week, June 22-26.

The students and the schools they attend are: Lara A. Ackerman of Alexandria, T. C. Williams High School, Alexandria; Kenneth C. Chern of Annandale, Woodson High School, Fairfax; Philip H. Neal of Richmond (city), St. Paul's

Reminder

The Virginia Department of Alcoholic Beverage Control reminds you that Virginia's legal age for the purchase, possession and consumption of beer is 20-years-of-age as of July 1.

The 20-year-old beer drinking age is due to legislation passed during the 1985 session of the Virginia General Assembly which approved the phase-in of a 21 legal drinking age for beer by July 1, 1987.

The legal drinking age for wine and liquor is already 21.

"When we (ABC personnel) update people, such as restaurant owners, on the new legal drinking age we use the date July 2, 1966 as a reference point," said an ABC spokesman.

"Persons must have been born on or before that date in order to be able to legally buy, drink and possess beer."

The ABC Department is supplying legal drinking age posters and decals to retailers who are licensed to sell alcoholic beverages.

School, Concord, N.H.; and Michael D. Tang of McLean, Langley High School, McLean.

The Virginians are among 141 graduating seniors nationwide who have been selected for the scholars program. All received a Presidential Scholar medallion during a White House ceremony June 23. They also will receive \$1,000 each from a private philanthropic organization.

The scholars program, established in 1964, is administered by the U.S. Department of Education. Student finalists are selected by a special commission appointed by the President.

NORFOLK PRINCIPAL RECOGNIZED BY NATIONAL PTA PROGRAM

Lillian M. Brinkley, principal of Willard Elementary School in Norfolk, is one of four persons receiving honorable mention in the National PTA Phoebe Apperson Hearst Outstanding Educator of the Year Award Program. She has been an educator in the Norfolk public schools since 1962.

Ms. Brinkley, who received a master of science degree from Virginia State University, was recognized by Norfolk for her accomplishments in education when the city declared February 14, 1986, "Lillian M. Brinkley Day."

More than 850 educators were nominated for the Hearst award program by local PTA units across the country.

SONDRA MASSIE NAMED VATIE TEACHER-OF-THE-YEAR

Sondra Massie, cosmetology instructor at the Russell County Vocational School, has been named VATIE (Virginia Association for Trade and Industrial Education) Teacher-of-the-Year for 1985-86. This is the highest honor VATIE can bestow upon one of its member teachers.

Mrs. Massie, who has taught cosmetology since 1972, received the award at the Virginia VICA (Vocational Industrial Clubs of America) Skill Olympics, held in Chester in April.

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ASSOCIATED BUILDERS AND CONTRACTORS ANNOUNCE CONSTRUCTION AWARD CONTEST WINNERS

The Virginia and Metropolitan Washington D.C. Chapters of Associated Builders and Contractors proudly announce the following companies as winners of their jointly sponsored Fifth Annual 1986 Merit Shop Construction Awards Contest.

These awards were presented during a banquet on May 13, attended by nearly 600, at the recently completed Sheraton Tysons Corner Hotel. The winners are as follows:

Interiors

E. A. BAKER & CO., INC. of Takoma Park, Maryland, General Contractors
*for Lobby 1801 K Street, Washington, D.C.
Holle, Lin, Shogren — Architects

Public Works & Heavy Construction

THE DRIGGS CORPORATION of Capitol Heights, Maryland, Excavating Contractor for Pohick Creek Watershed, #1, located in Fairfax, Virginia
Soils Conservation Service — Architects

Restoration/Renovation (Under \$1 million)

SCOTT-LONG CONSTRUCTION, INC., of Fairfax, Virginia, General Contractors for Country Place Farm at Stoneleigh in Middleburg, Virginia
Nathanial Palmer Neblett, AIA — Architects

Restoration/Renovation (\$1 million or above)

E. A. BAKER CO., INC. of Takoma Park, Maryland, General Contractors for a private residence in Washington, D.C.
Stinson Capelli — Architects

Institutional Category (under \$2.5 million)

EUGENE THOMAS CONSTRUCTION COMPANY, INC., of Alexandria, Virginia, General Contractors for Chinquapin Park, Alexandria, Virginia
Hughes Group — Architects

Institutional Category (\$2.5 million or above)

CENTEX CONSTRUCTION COMPANY, INC., of Merrifield, Virginia, General Contractors *for Aegis Combat System Center Facility, Wallops Island, Virginia
Francis G. Vittetta Associates — Architects

Industrial Category (Under \$2.5 million)

SAMMIS CONSTRUCTION COMPANY of McLean, Virginia, General Contractors *for Dulles Tech Center, Buildings 1, 2 & 3 Herndon, Virginia
Davis and Carter — Architects

Commercial Category (Under \$2.5 million)

W. R. MANCHESTER, INC., of Alexandria, Virginia, General Contractors
*for One Prince Street, an office building, Alexandria, VA
Rust, Orling and Neale — Architects

Commercial Category (\$2.5 million to \$5 million)

EUGENE SIMPSON & BROTHER, INC., of Alexandria, Virginia, General Contractors for The Morrison Hotel & Office Complex, Alexandria, VA
Bairley and Maginniss — Architects

Commercial Category (Over \$5 million)

THE ARTERY ORGANIZATION, INC., of Arlington, Virginia, General Contractors *for Arlington Plaza Office Building, Arlington, Virginia
CHK Architects and Planners

and

OMNI CONSTRUCTION, INC., of Bethesda, Maryland, General Contractors
*for the Bethesda Metro Center Complex, Bethesda, Maryland
The Benham Group East, Inc. — Architects

The purpose of the Construction Awards Contest is to recognize the builders and contractors who were responsible for constructing the most outstanding new projects over the past year in the metropolitan Washington area or state of Virginia. Details on any specific project are available from the Virginia ABC office, as are the names of the contest judges.

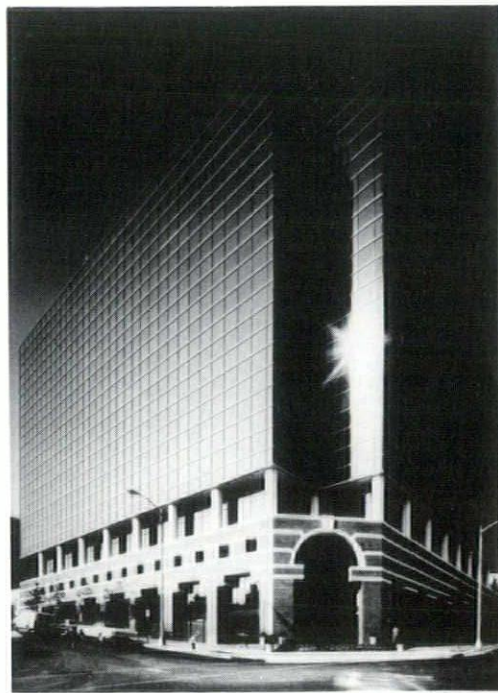
The judges for the contest were comprised of well-known architects, engineers, building officials and owner/developers from the Metropolitan Washington area and other locations throughout Virginia.

The award winners were presented special recognition plaques at the Annual Construction Awards Banquet, May 13, 1986 by Robert R. Radford of United Masonry Incorporated of Alexandria, Virginia who was chairman of the awards contest.

**Photograph accompanies this article.*



Dulles Tech Center, Herndon, Virginia



Arlington Plaza, Arlington, Virginia



1810 K. Street Lobby, Washington, DC



Aegis Combat System Center, Wallops Island, Virginia

KEY JUDGING CRITERIA

A. COMMERCIAL, INDUSTRIAL, INSTITUTIONAL CATEGORIES

Site concrete	Flooring
Paving	Interior walls
Landscaping	Ceilings
Skin of the building	Interior plumbing
HVAC	Electrical systems

B. RESTORATION & RENOVATION

Landscaping	Interior finishes
Skin of the building	Plumbing
Flooring	HVAC
Interior walls	Electrical systems
Ceilings	Combination of old and new
	Difficulty in combining old and new

C. INTERIORS

Finishes
Plumbing
HVAC
Electrical systems

D. PUBLIC WORKS AND HEAVY CONSTRUCTION

Landscaping	Mechanical and electrical installation
Paving	Accessories such as fencing, railings, sewer and water mains, etc
Structural concrete	
Structural steel	



Bethesda Metro Center, Washington, DC



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There was a time when people only shot pictures.

Over the past three decades,
use of our nation's forests has
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But so has vandalism.

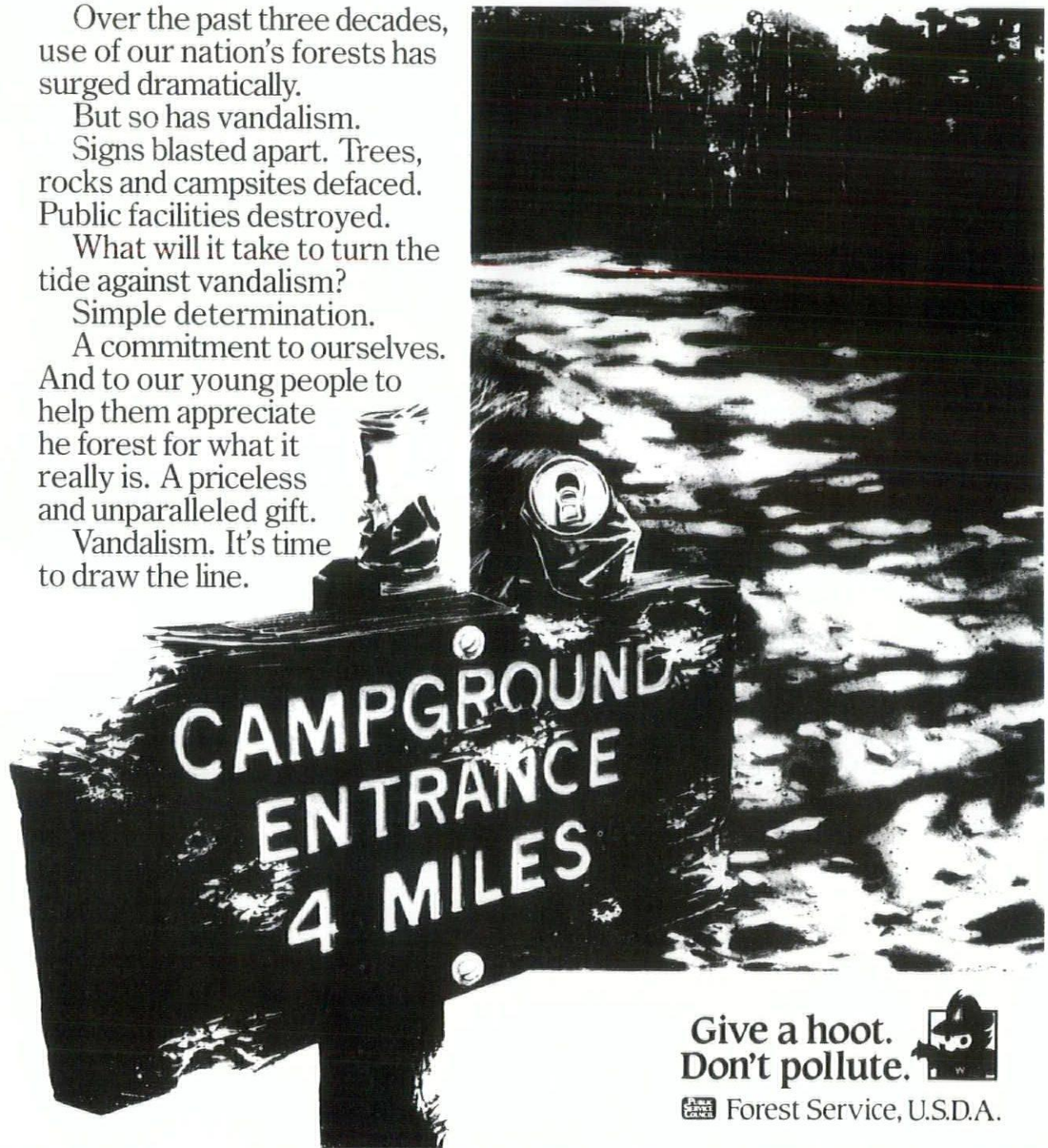
Signs blasted apart. Trees,
rocks and campsites defaced.
Public facilities destroyed.

What will it take to turn the
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Simple determination.

A commitment to ourselves.
And to our young people to
help them appreciate
the forest for what it
really is. A priceless
and unparalleled gift.

Vandalism. It's time
to draw the line.



Give a hoot.
Don't pollute.



FOREST SERVICE Forest Service, U.S.D.A.

Virginia Economic Development News

Virginia is Tops Again!

Virginia's promotional materials designed to market the state for economic development have won top awards again this year at the annual competition sponsored by the American Economic Development Council. This year's meeting was held in Hamilton, Ontario, Canada.

"Virginia Facts & Figures 1986," a 34-page brochure and "Virginia: From the Constitution to the Constellations," a fourteen minute audio visual presentation, were each judged Best of Class in their respective categories.

"We are extremely pleased to see that the two major elements of our promotional materials, the Facts and Figures brochure and our audio visual presentation, were judged by our peers to be the best offering nationwide among the economic development community. This professional assessment of our literature is further proof that our marketing program is on target," Scott Eubanks, Director of the Department of Economic Development said.

The "Virginia Film Production Guide 1986" received an award of Excellence. Honorable Mention awards were presented for the Department's three new ads in the campaign "Virginia We're Doing Some of America's Most Exciting Work" and the research report "Travel in Virginia 1984: An Economic Analysis."

"Our audio visual presentation was considered to be Best of Show as well as Best of Class last fall by the Southern Industrial Development Council. And 'Facts and Figures' has just served as the centerpiece in a coordinated international direct mail marketing campaign on behalf of Virginia," Eubanks said.

The Virginia Department of Economic Development's entries were considered against over 300 other entries submitted by public and private sector economic development organizations from across the United States. The American Economic Development Council sponsors the competition each year as part of its annual convention for members.

The AEDC competition is one of two major economic development competitions entered each year by the Virginia Department of Economic Development. The second competition, sponsored by the Southern Industrial Development Council, provides a forum for Virginia's promotional literature to be compared against those of her competitors in the southeastern region of the United States.

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Hinton, Virginia

Norwegian Firm Selects Henry County Location

Johan G. Olsen Industrier A/S of Kristiansand, Norway has chosen Henry County, Virginia as the site of its first United States manufacturing operation. The announcement was made by company officials at the office of the Martinsville-Henry County Economic Development Corporation in Martinsville.

Ragnar Olsen, Managing Director of the parent firm in Norway described the company's plans as including the purchase of a 62,370 square foot building and its adjacent 39 acres in northern Henry County. Formerly known as the Jessup Furniture Building, the building is in Oak Level, a community adjacent to Route 220.

The new company is to be incorporated in Virginia shortly, and will initially serve as the warehouse and distribution site for Boen Parquet laminated hardwood flooring which is currently marketed in the U.S. from a New Jersey site.

In the near future, Olsen said, the Henry County plant will be modified to begin manufacturing the hardwood flooring, which will be marketed primarily to the new residential construction market as well as for home renovation and remodeling.

Olsen said the company will employ five to ten people to start, and that the expansion to manufacturing will require about 105 people.

Johan G. Olsen A/S is investing about \$14 million in the Henry County location, approximately \$10 million of which will be financed by an industrial revenue bond issued by the Henry County Industrial Development Authority.

Olsen said that the Martinsville-Henry County area was selected because the plant must be located in a business environment of wood working industries and close to the suppliers of raw material.

Joining Olsen and Jan Nilsen, Project Manager, in making the announcement were Robert Scott, Chairman of the Henry County Board of Supervisors and William Cole, Mayor of Martinsville.

Other local officials present to welcome the firm were W. E. Giesler, Chairman of the Board of the Martinsville-Henry County Economic Development Corporation, and members of that organi-

zation's board, including Wilber Doyle, President of Doyle Lumber Company and the Virginia State Chamber of Commerce; Irving Groves, President, Piedmont Trust Company; and Bernice Frith, Chairman of the Board of Frith Construction Company.

Founded in 1912 by Johan G. Olsen, the firm is managed today by three sons of the founder. Johan G. Olsen is a multi-divisional corporation with operations worldwide in manufacturing and shipping. The Olsen Corporation has two other manufacturing plants producing the laminated hardwood flooring in Norway and West Germany. In addition to manufacturing flooring, the company also produces in North America small pleasure boats and peat pots and peat briquets marketed under the trade name "Jiffy" for the horticulture industry.

Company officials said that during the site selection process Virginia was selected over Pennsylvania and West Virginia, and that they were assisted by representatives of the Martinsville-Henry County Economic Development Corporation and the Richmond and Brussels, Belgium offices of the Virginia Department of Economic Development.

Maryland Firm Expands Into Virginia Markets

Richmond is the site of the first major expansion by Delmarva Sash and Door Company of Maryland, Inc., a wholesale millwork distributor in Barclay, Maryland. The company hosted an open house on Tuesday, June 3 and Wednesday, June 4 to officially open the new facility.

Harold C. Meissner, President and George O. Hoel, Vice President of Andersen Corporation in Bayport, Minnesota joined company executives at the open house.

"We are very pleased to be opening a new facility in Richmond and we are especially honored to have Mr. Meissner and Mr. Hoel joining us for this event," Theodore W. Landskroener, President of Delmarva Sash and Door Company of Maryland, Inc. said.

The new Richmond company, Delmarva Sash and Door Company of Virginia, Inc., is in 41,400 square feet of leased space at the Fairgrounds Distribution Center, 4605 Carolina Avenue, Richmond. The company is a wholesale distributor of Andersen Windows, as well as the parent

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firm's own fabricated DSD pre-hung interior door units and DSD steel exterior door units. Delmarva Sash and Door Company distributes its products through retail lumber yard dealers.

"The demand for residential housing in the Richmond area and eastern Virginia influenced our selection of Richmond as the site for our first major expansion. DSD products are designed for the residential housing market, but we believe the active commercial building market here will also be attracted to what we have to offer," Ronald C. Griffin, manager of the Richmond facility said. He added that 18 people will be employed initially, and that the company expects to experience substantial growth over the next 12 to 18 months.

Griffin described Delmarva Sash and Door Company's market area as eastern Virginia as far west as Charlottesville and including the Northern Neck and Hampton Roads, and as far south as the Outer Banks of North Carolina.

The parent firm has been located in Barclay, Maryland since 1942, and distributes into a territory covering Maryland, New Jersey, Delaware, Washington, DC, northern Virginia and eastern Pennsylvania. The Barclay facility employs 105 people and includes office, warehouse, and fabricating operations as well as the company's headquarters. The firm was co-founded by Clarence Landskroener and remains a family-run corporation today.

"We market our products to dealers servicing the residential housing market, but we are also introducing three exciting concepts at our Richmond location which we believe will have great appeal to consumers," Griffin said.

"We have a display showroom to demonstrate the Andersen products and an educational center for consumers to learn about this product. We have also created a Consumer Planning Cen-

ter so that individuals will be able to bring in their house plans, and learn how Andersen Windows can be incorporated into their plans," he said.

For assistance in the site location process, Griffin credited officials of the Henrico County Industrial Development Authority, the Metropolitan Economic Development Council and the Virginia Department of Economic Development.

CATALOG SHOPPING: THE WORLD AT YOUR FINGERTIPS

Microscopes, music boxes, rare mushrooms and filet mignon, a coffee table for your living room, professional quality kitchen equipment, stationery and greeting cards — it is all available through today's exciting and varied catalogs. This kaleidoscope of the beautiful and the practical, of the unusual and commonplace, tempts a wide range of people — the millions of Americans who buy clothes, food, furnishings, gifts, books, records, tapes, magazines through the mail.

Of course it isn't just the variety in catalogs that appeals to so many people. It is also the ease and convenience of shopping when they want to — and from virtually any location. For many busy people, there is an almost irresistible appeal to sitting comfortably at home and using

spare-time moments to peruse the colorful and informative pages of favorite catalogs — or exciting new ones — selecting things they need or want.

The flexibility of catalog shopping extends well beyond the home, of course. Busy people select catalog purchases while traveling on planes or unwinding in hotel rooms, while on vacations or lunch breaks. All that is needed is a pencil or a telephone.

For regular catalog shoppers or for people interested in learning about the variety of things they can buy through the mail, the Direct Marketing Association publishes the Great Catalogue Guide. This listing of nearly 750 different catalogs by merchandise category also includes helpful tips for shopping by mail. It is available, for \$2.00 in check or money order, by writing to Great Catalogue Guide, Direct Marketing Association, 6 East 43rd Street, New York, NY 10017.

1986 VIRGINIA ABC SAFETY CONTEST

The Virginia Chapter ABC Management, Education and Safety Training Committee for the 4th straight year, is conducting a contest to select the ABC contractors with the best safety track records in Virginia over the past year. This is a *voluntary* contest open to all Virginia ABC contractor members (general and sub.) *All data submitted will be held in the strictest confidence.*

CONTEST RULES

1. Contest period covers work performed between January 1 and December 31, 1985 in Virginia only.
2. There will be four categories of winners, based on the total number of manhours worked in Virginia in 1985. They are category (1) 0-40,000 manhours, (II) 40,000-80,000

manhours, (III) 80,000-160,000 manhours, and (IV) over 160,000 manhours.

3. The formula used to determine the winner will be the company's OSHA incident rates for 1985. This will be determined by taking the number of lost workdays cases (column #3 on the OSHA 200 form), the number of days away from work (column #4 on the OSHA 200 form), multiplying each of these numbers by 200,000 hours and then dividing each by the total number of manhours the company worked in Virginia in 1985. The company with the lowest numbers in both instances wins the category. Ties will be broken by using the company's EMR (experience modifier rate) for your 1985 policy year.

4. The deadline for submitting entries is September 30, 1986 at 5:00 p.m. Winners will be selected October 1, 1986 by the Management, Education and Safety Training Committee. Winners will be announced and plaques presented at the October 14, 1986 General Membership meeting in Springfield, Virginia (Northern Virginia). *Washington Post* Reporter Bob Levy will be the guest speaker.

TO PARTICIPATE IS SIMPLE! Just complete the brief form below and return it to the Chapter office with a copy of your OSHA 200 form which you posted during the month of February 1986. Please note only incidents which occurred in Virginia. Note: If you had an OSHA recordable death during 1985 in Virginia, please do not submit for this award.

CUT HERE

1986 VIRGINIA ABC SAFETY CONTEST ENTRY FORM

Company Name: _____

Total number of manhours worked in Virginia in 1985: _____

Experience Modifier Rate (EMR) 1985 _____

Signature of officer completing this form _____

Return to: Virginia ABC Chapter
6601 Little River Turnpike, Suite 320
Alexandria, VA 22312

A SAFE CONTRACTOR IS ALWAYS A WINNER!

INDEX TO ADVERTISERS

—A—

Acorn Construction Ltd.	86
American Masonry Co., Inc.	56
Anderson Sheet Metal Works, Inc.	52
Andrews Large & Whidden, Inc.	57
Applied Electro Mechanics, Inc.	11
Arlington Woodworking & Lumber Co., Inc.	61
Art-Ray Corporation	66
Associated Builders & Contractors, Inc., Virginia Chapter	29
Associated General Contractors of Virginia	17
Associated Sprinkler Co., Inc.	85
Associated Steel Products, Inc.	71
Atec Associates, Inc.	52

—B—

Bagby Electric Co.	18
Baird Drywall & Acoustic, Inc.	38
Baldwin & Gregg, Ltd.	34
L. E. Ballance Electrical Service, Inc.	68
M. P. Barden & Sons, Inc.	72
Barnes Lumber Corp.	38
Bass Construction Co., Inc.	77
Bass Steel Buildings Corp.	36
Bayshore Concrete Products Corp.	9
Collin R. Berry, Painting Contractor	40
Betco Block & Products, Inc.	77
Blair Construction, Inc.	61
Blue Ridge Timber Frame	8
Booth & Co., Inc.	29
Brooks & Co.	24
Buckingham-Virginia Slate Corp.	96

—C—

C.P.S. Contractors, Inc.	87
Caldwell & Santmyer, Inc.	66
Carolina Marble & Tile Co.	41
W. S. Carnes, Inc.	9
C. L. Carter Heating & Air Conditioning Co.	43
Charlottesville Glass & Mirror Corp.	24
Chesapeake Masonry Corp.	85
G. L. Cline & Son, Inc.	80
Coleman & Wood, Inc.	35
Colonial Systems, Inc.	38
Composition Division of VPW, Inc.	30
Cushing Mfg. & Equipment Co.	39

—D—

The Danville Lumber & Manufacturing Co.	61
J. Roland Dashiell & Sons, Inc.	93
Walter C. Davis & Son, Inc.	43
Dodd Brothers, Inc.	57
Dodd's, Inc.	54
Doherty Brothers Plumbing Corp.	66
Dover Elevator Co.	72
R. L. Dresser, Inc.	46
Duke & Associates, Inc.	66
Dunbar Milby & Williams	61

—E—

Eastern Shore Seafood	72
Electric Service Co.	57
Entry Guard Security Systems	18
J. B. Eurell Co.	82

—F—

Falls Church Construction Corp.	93
Flowers School Equipment Co., Inc.	52
T. D. Fraley & Sons, Inc.	8
Freedlander Financial Services Corp.	10

—G—

Glazed Products, Inc./Tri State Foam Products, Inc.	29
Golladay Building Supply, Inc.	10
W. R. Grace & Co., Construction Products Div.	18

—H—

Hammond Masonry Corp.	36
Hancock-Fuqua, Inc.	46
John W. Hancock, Jr., Inc.	80
N. B. Handy	3
Harman Ceiling & Partition Co.	77
L. C. Heath Roofing, Inc.	56
Herrin Bros. Erection Co., Inc.	68
Hesse & Hurt, Inc.	42
Hillegass Lighting	10
Hogshire Industries, Inc.	54
Hurt & Proffitt, Inc.	46

—J—

Jacobs Consultant Services	33
L. F. Jennings, Inc.	80
Johnson Irrigation Corp.	6

—K—

Kenbridge Construction Co.	29
Kidwell Turf Farms, Inc.	23
Kitchin Equipment Co.	54



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Richmond, Va. 23205**

—L—

Lake Shore Markers	9
R. D. Lambert & Son, Inc.	35
Lane Bros., Inc.	80
Don Largent Roofing Co., Inc.	91
J. W. Lassiter, Inc.	93
Lawhorne Brothers, Inc.	77
R. E. Lee & Son, Inc.	71
J. E. Liesfeld Contractor	93
Lilian Lumber Co., Inc.	77
Liphart Steel Co., Inc.	23
Lowe Mechanical, Inc.	77
W. A. Lynch Roofing Co., Inc.	72
Lynchburg Steel & Specialty Co.	46
Luck Stone Corp.	95

—M—

MEM Interiors, Inc.	24
Magic City Sprinkler, Inc.	46
Howard E. Marquart & Co.	52
Marshall Concrete Products	40
Martin Bros. Contractors, Inc.	86
E. M. Martin, Inc.	57
Martin/Horn, Inc.	72
Massaponax Sand & Gravel Corp.	9
Mays Electric Co.	77
McClary Tile, Inc.	61
McClure Lumber & Builders Supply Co., Inc.	37
McDevitt & Street	82
McGuire & Johnson Concrete Finishing, Inc.	85
Mid-Atlantic Hambro, Inc.	11
Miller & Anderson, Inc.	82
Arthur Miller Studios Ltd.	33
R. H. Mitchell & Son	94
J. B. Moore Electrical Contractor, Inc.	39
Motley Electric Corp.	61
E. W. Muller Contractor, Inc.	9

—N—

NECA, Virginia Chapter	40
Newport News Iron & Steel Co., Inc.	68
Nicholson Sprinkler Corp. of Richmond	18

—O—

Old North Manufacturing Co.	28
Richard A. Oliva & Sons, Inc.	87
Oregon Inlet Fishing Center, Inc.	76
Owen Steel Co. of North Carolina, Inc.	82

—P—

Paine Webber	35
Pella Virginia, Inc.	33
Petroleum Marketers, Inc.	43
Pleasants Hardware	22
Potomac Valley Brick & Supply, Inc.	80
C. C. Powell & Sons, Inc.	42

—R—

Ray's Plastering, Inc.	66
------------------------	----

J. F. Robertson Plumbing & Heating, Inc.	42
Ruffin & Payne, Inc.	42

—S—

H. E. Satterwhite, Inc.	18
Schell Supply Corp.	10
Seaboard Concrete Products Co.	80
Seaboard Foundations, Inc.	38
Sellers Bros., Inc.	37
Service Contracting of Virginia, Inc.	66
Shenandoah Studios of Stained Glass, Inc.	10
Howard Shockey & Sons, Inc.	40
Shoffner Industries of Va., Inc.	39
Smith & Keene	84
Dwight Snead Landscaping & Paving Co., Inc.	18
Solar Film, Inc.	32
Solite Corporation	4
Southern Iron Works	54
Southern Specialty Corp.	36
Southern Waterproofing & Concrete Co., Inc.	17
Stokes of England, Ltd.	43
Sullivan Mechanical Contractors, Inc.	57
R. T. Sunday Co.	11
Swingin' Door/Contract Hardware	54

—T—

TMS Millwork	71
Tate & Hill, Inc.	80
Tri-Star Construction Co., Inc.	18

—V—

Valley of Va. Milk Producers Co-op Assn.	72
Virginia Asphalt Association, Inc.	36
Virginia Pipe & Supply Co., Inc.	23
Virginia Reproduction & Supply Co., Inc.	72
Virginia Sun Space Design Center	29
Vulcan Materials Co.	2

—W—

Wampler Foods, Inc.	91
Warwick Plumbing & Heating Corp.	72
Watkins Nurseries, Inc.	23
Watson Electrical Construction Co.	46
West Sand & Gravel Co., Inc.	43
Western Waterproofing Co., Inc.	35
Whitehead-Leach Construction Co.	36
Whitescarver, Rodes & Associates, Inc.	52
Wilkerson's Crab Shore & Restaurant	76
Richard L. Williams	52
Wiseman & Company	36
Vanzy L. Wood Jr.	71
Woodall & Lang, Inc.	46
Woodbridge Glass Co.	46

—Y—

YorkSupply Co., Inc.	18
HC Yu & Associates	23

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