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ON OUR COVER is an interior view of Lakewood Manor. The Rich­
mond facility was designed by Sherertz, Franklin, Crawford,
Shaffner of Roanoke and is featured on page 13 of this issue.
(Cover photo by Huffman Studio)
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Your Historic Landmark

With the cost of building being what it is these days, it is no wonder that more and more people are considering adaptive re-use, renovation or conservation of an existing structure. This column has dealt with the many patriotic and economic reasons for such undertakings. An area not mentioned in earlier discussion is preservation of an "historic landmark."

Let us assume you own a very old building. It's about time to fix up the old wreck you treasure so much, but heaven knows it is going to be an ambitious undertaking. The building is a hundred years old, all the windows leak air and the old floorboards are becoming dangerous. Suddenly, that better light comes on: what if your antique is actually a valued "historic landmark?! What if you can get it certified and get the preservationists and conservationists to stand guard over your property? It is certainly worth looking into.

You will be making a great contribution to the historical and social welfare value of the area. You will be protecting and enhancing part of our history, our heritage. And you will be highlighting an aspect of our culture while enriching the environment. Aside from these noble reasons to consider a preservation project, you may stand to gain considerable tax benefits.

The 1976 Tax Reform Act provides both incentives, such as accelerated depreciation for the cost of preservation work, and deterrents to prevent the demolition of historic structures. There are also any local, state, and other special tax deductions which may apply. In addition, buildings which make the National Register of Historic Places may also qualify for grants-in-aid assistance for the preservation work.

So, why not rush right out and get your architect to get the building certified and start your preservation project? Because there are many factors to be considered first, none of which should be considered a deterrent, for the value of preserved structures and sites increases as the numbers shrink. The fact remains, however, that there are many decisions to be made before the scaffolding is erected.

First of all, "preservation" is a catch-all word which describes a variety of specialized tasks. What you must really determine is whether you want your structure preserved, restored, reconstructed, adapted, rehabilitated or recycled. While these terms are often used interchangeably, their definitions have subtle differences which can have serious consequences for your project. Therefore, step one is to decide which service or combination of services you want performed on your building. Having made that decision, you have begun to define the team of professionals who will be needed for your preservation project. Obviously, the different functions performed during a preservation project require different types of specialized knowledge. Since you are presumably dealing with valuable old materials and techniques, just any modern builder would not necessarily be familiar with the required procedures.

You will probably want to start with an architect, either your own favorite or one you know has all in preservation activities. Beyond that, you may require the services of an historical or preservation architect, a restoration contractor for advice and cost estimates, an architectural conservator, an historian, an archaeologist, any one of several engineers or a landscape architect. There may also be other consultants from several fields whose services are required, and your architect can suggest which are needed and help coordinate the team.

Before any of these people can begin to work, however, there are certain other tasks you will have complete with your architect. You will have to perform a preliminary analysis and evaluation to determine exactly what you have and what condition it is in. You will also have to decide which preservation function best suits your needs and what you want the structure for when it is finished. This decision can have serious ramifications for your tax considerations. Then there will be numerous requirements and regulations to be met before your plans can even be considered. These may vary from merely registering your plans to having local boards approve every facet of a proposed preservation project. Again, your architect will know what is required.

Other tasks of crucial importance (and this is where your chosen team of professionals can be very useful) cover such areas as: graphic and photographic documentation; historic and archaeological research; architectural and engineering investigation of original materials; application for inclusion in inventories of historic places; and the standard services performed for many architects.

By Frederick E. Baukhages, IV, AIA
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al projects, such as design drawing, engineer
documents, specification outline, cost estim
construction documents, approval forms, and contract administration.
While very little of this comes for nothing,
ot all astronomically expensive, either.
costs vary with the nature, quality, location and scope of the project. Specialists and con
stants obviously cost more than average build
but their services are essential for most pre
vation projects. On most historic preserv
work, fees are computed on an hourly or di
diem basis, but they may be negotiated a
fixed fee or as a percentage of the construc
costs. This is another point for discussion
with your coordinating architect.
Having considered the foregoing brief out
of what is involved in a preservation project
you still want to live in a landmark? Of cou
you do. In this case it just requires a little m
planning and coordination than an ordi
remodeling, but the aesthetic, economic, and cultural rewards can be greater, too.
The 1980 William C. Noland Award was conferred on William Marshall, Jr., FAIA, at ceremonies at the Virginia Society, AIA annual meeting in Blacksburg on October 3, 1980.

The William C. Noland Award is the highest honor the Virginia Society of the American Institute of Architects can bestow.

The Award was established in 1967 by the Executive Committee of the Virginia Chapter to honor the memory of William C. Noland, FAIA, of Richmond, who was one of the founders of the Chapter, served as the second Chapter President, and was its first member to be elevated to the College of Fellows.

The Award is in the form of a bronze medal and a certificate, and is given:

1. In recognition of the achievement of architectural excellence of a specific building or group of buildings, or
2. For excellence in architectural literature or educational service, or
3. For significant contribution to the advancement of the architectural profession, or
4. For outstanding public service.

Not more than one award is given in any one year, and it is presented at an appropriate ceremony during an annual meeting of the Virginia Society. Only Corporate Members of the Society, past or present, may receive the award.

William "Chick" Marshall has provided leadership and served with distinction at every level of the architectural profession. He was President of the AIA Student Chapter at the University of Virginia in 1948-49, the year in which he graduated with a B.S. in Architecture. Since that time he has served as President of the Tidewater Section (1964-65), President of the Virginia Chapter (1969), and President of the National American Institute of Architects (1975). He was elected a Fellow of the AIA in 1972.

Nobody rises to those levels of distinction without extensive service along the way. Among the capacities in which he has served the profession, too numerous to catalog here, he has served as President of the Tidewater Section (1964-65), President of the Virginia Chapter (1969), and President of the National American Institute of Architects (1975). He was elected a Fellow of the AIA in 1972.

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Foundation. He is currently Chairman of the national AIA Art Collection Committee, Chairman of the national AIA Long Span Building Panel, and a member of the national AIA Design Build/Construction Contracting Monitoring Task Force.

Nor has his service been limited to the AIA. In various capacities he has served his community through the United Community Fund, Downtown Norfolk Association, the Citizens Advisory Committee to the Mayor of Norfolk, and advisory committees to Norfolk State College. Since 1974 he has served as a Trustee of the Hermitage Committee to the Mayor of Norfolk, and advisory committees to the Virginia Society of the American Institute of Architects.

He has also served on a number of Honor Award juries for the AIA, the Department of Defense, and several construction materials associations.

A Principal in the firm of McGaughy, Marshall and McMillan - Architects, Consulting Engineers, and Planners, Chick Marshall holds NCARB registration in addition to Virginia and seven other states. The firm has its Home Office in Norfolk with additional offices in Washington, D.C.; Athens, Greece; Frankfurt, Germany; Houston, Texas; and Dammam, Saudi Arabia.

Current projects of the firm include Design of the Saudi Arabian Military Academy, Design Development of a New City for 100,000 people in Libya, five New Communities for government and private clients in the Middle East, "Old Post Office" Renovation in Washington, D.C., Smithsonian Institution Rehabilitation Program in Washington, a Senior High School in Virginia Beach, and apartment, office, hotel and shopping complexes in Egypt.

The Virginia Society of the American Institute of Architects takes great pleasure in presenting the William C. Noland Award to such a distinguished member, William Marshall, Jr., FAIA.
NEW MEMBERS

JAMES H. COCHRANE, JR., Associate
With Ballou & Justice, Richmond
1980 Graduate of VPI & SU - BA degree
James River Chapter

J. TYLER LUCK, JR., Associate
With Rawlings & Wilson Architects, Richmond
1974 Graduate of Memphis State University
James River Chapter

ROBERT P. DAUGHTRY, AIA
Maintains his practice of Craig & Daughtry,
Charlottesville
Graduate of University of Virginia
James River Chapter

KENNETH C. MAGALIS, Associate
With KCM Drafting, Richmond
1976 Graduate of University of Virginia
James River Chapter

MARGARET W. DeMALLIE, Associate
With Griggs, Wood, Browne, Eichman
& Dalgliesch, Charlottesville
Graduate of Smith College, Northampton, Mass.
James River Chapter

DAVID M. OAKLAND, AIA
With The Vickery Partnership, Charlottesville
Graduate of University of Virginia
James River Chapter

GILBERT L. FAVARO, JR., Associate
With Rawlings & Wilson Architects, Richmond
1971 Graduate of Virginia Commonwealth
University
James River Chapter

TEMPLE D. WEST, Associate
With VCU, Dept. of Facilities, Planning &
Construction
1978 Graduate of Virginia Commonwealth
University
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Lakewood Manor, recipient of an AIA Honor Award, was developed as a retirement community for those in pursuit of a peaceful environment during the latter years of their life. Utilizing a campus-style plan, Lakewood Manor encourages social interaction among the residents and provides a setting for a physically active life style. The building layout is a non-institutional setting which permits the amenities of the naturally beautiful site to be retained. The campus plan was achieved by incorporating five, three-story residential buildings, each containing 59 apartments, lounges, and other support facilities. An Activity Center, consisting of a multi-purpose room, lounges, dining facilities, offices and other support areas, provides a maximum of opportunities for recreational and social activities.

The master plan provides for complete and orderly site development to include any desired expansion. Pedestrian and vehicular separation is achieved by use of a circumferential drive with buildings located inside the loop drive and interconnected with covered walkways. These walkways are enclosed on one side with glass and provide adequate weather protection for the residents. A network of varying paths provides the residents with walking routes that encourage exercise through mobility. Interior spaces were created with great sensitivity for the residents through the use of smooth flowing spaces to allow easy access to all.
areas. These flowing spaces are enhanced with features such as a solarium and built-in planters and seating. The use of natural materials, such as wood and brick, further aids in providing an atmosphere of comfort for the residents. Nursing supervision for those who require continuous care and assistance is provided in the Health Care Center. The nursing care unit includes a Clinic, Physical Therapy Department and Pharmacy conveniently located for use by residents and patients in the Health Care Center.

Several different structural systems were employed at this project. The structural system for the Residential Units consists of lightweight structural concrete on permanent metal forms supported by open-web steel joists bearing on masonry walls. The roofs are framed with timber trusses. The Activities Center and Maintenance Center both consist of slabs-on-grade with a timber truss roof system. Portions of the Activity Center roof are framed with exposed glue-laminated beams and trusses. The Health Care Center consists of slabs-on-grade with a structural steel roof system. The foundation system for all areas is composed of reinforced concrete spread footings.

R. E. Lee & Son, Inc. of Charlottesville was general contractor for both phases and handled concrete work, steel erection, carpentry, dewatering and drywall installation.

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E. G. Bowles Co., clearing, excavating, grading, paving curbs and outside sidewalks; Ward & Stancil, Inc., site utilities, sanitary sewer & water mains; Cherotuck Nurseries, Manakin, landscaping; Terminix Engineers, soil treatment; Montague-Betts Co., Inc., reinforcing bars; Lone Star Industries, Inc., ready mix concrete supplier; W. B. Davis Masonry Contractor, masonry; Augusta Steel Corp., Verona, metal millwork; Miller Manufacturing Co., Inc., wood trusses, finish carpentry, millwork; Richmond Primoid, Inc., liquid waterproofing; Westside Waterproofing, Inc., membrane waterproofing; and N. W. Martin Bros., Inc., roofing, sheet metal & asphalt shingles.

Also, SDG, Incorporated, glass, glazing contractor & aluminum entry assemblies; American Steel Products Corp., Woodbridge, hollow metal doors & frames; TMS Builders Supply, Pella wood windows; Pleasant Hardware, finish hardware; U.S. Gypsum Co., gypsum drywall system; General Tile & Marble Co., Inc., ceramic tile & slate flooring; Fenley Floor & Ceiling, Inc., acoustical treatment; Floor Fashions of Virginia, Inc., Charlottesville, resilient flooring; Glidewell Bros., Inc., painting contract & vinyl wall covering; Virginia Elevator Co., Inc., elevators; Worshe Sprinkler Co., Inc., Mechanicsville, sprinkler system; Hungerford, Inc., mechanical contractor; R. L. Dixon, Inc., electrical contractor; Aon National Sales Co., Inc., Long Island City, NY, kitchen units; and L. G. Shamokin, PA, prefabricated wood cabinets.

Subcontractors & Suppliers
Phase II
Activity, Maintenance & Health Care Facilities (Richmond firms unless noted)

Also, American Steel Products Corp., Woodbridge, hollow metal doors frames; TMS Builders Supply, prefabricated wood windows; Pleasant Hardware, finish hardware; O’Ferrall, Inc., resilient flooring & acoustic treatment; Cates Building Specialties, Roanoke, kitchen unit; Key Fixtures & Equipment, Inc., Lynchburg, food service equipment; Paris Shad Shoppe, Inc., curtain tracks; Worsham Sprinkler Co., Inc., sprinkler system; Catlett-Johnson Corp., mechanical contractor; Jim Staley, corn guards; Powers & Anderson, Inc., Richmond, patient charting system; Mahone, Inc., Roanoke, curtain cubicles, metal flagpole & dock bumpers; Kalwole Corp., Manchester, NH, translucent sky roof; Dynaffair Corp., Melville, NY, sliding grilles; John J. Bagley, Richmond, letter boxes; and Louver Drape, Inc., Baltimore, MD, vertical blinds.
Fire Station No. 10
Newport News
Forrest Coile and Associates—Architect/Engineer

Fire Station No. 10, designed and constructed in Newport News, is located nearly in the center of this long, narrow peninsula city. The site is highly visible along one of the principal north-south thoroughfares, Warwick Boulevard. Consequently, the building had to present an attractive appearance while meeting all of the functional needs of a working fire station.

The facility is a single-story structure which includes the Newport News Fire Chief's offices as well as a four-vehicle apparatus room, dormitories and day room, a hose tower, and the battalion Chief's dispatch center. It was designed to provide future accommodations for women firefighters. In addition, this station includes spaces to house the Newport News Fire Prevention Bureau.

The exterior of Fire Station No. 10 was designed to provide maximum interplay of light and shadow within the context of a relatively simple structure. This effect was achieved by using offsetting walls on a mass scale and in architectural detailing, allowing shadows to form and shift with the sun's movement.

Grey brick was used in order to complement the design and color of the adjacent Newport News Administration School Building. Fire engine exterior doors contrast with the masonry. Bronzed aluminum door and window frames and stark white trim complete the color accents.

Various methods of hose-drying were considered for this station. Incorporation of a hose tower was determined to be the most effective method, particularly since this system adds to the life of the hoses and is usable throughout the year. Further, with the roof characterized by three horizontal levels, the hose tower acts as a design element projecting upward and providing vertical relief.

Energy conservation was a principal consideration of the design. Insulated cavity wall construction was used as were double-glazed windows. Windows include operable sash to permit outside air to be used as an air conditioning medium as far into the summer as possible.

Hudgins Construction Co., Inc. of Newport News was general contractor and handled excavating, sodding, seeding, etc., foundations, concrete work, carpentry and wood doors. The owner handled landscaping.

Subcontractors & Suppliers
From Newport News were: Benson-Phillips Co., Inc., mortar; Kitchen Center, millwork; Heath Roofing Co., Inc., built-up roof & roof insulation; E. J. Puma & Associates, ceramic tile; Noland (Continued on page 52)
Kilmer MH/MR Center
Vienna
Lynwood E. Brown, AIA & Associates, Inc.—Architect

Until 1974 Fairfax County did not admit mentally or physically handicapped children into its school system. For over twenty years resourceful parents ran a cooperative school for their handicapped children.

Kilmer Center is a front runner for the type of education the county is providing for handicapped young people. The Center opened in September of 1978.

The goal of the staff is to increase each student's ability to function independently through individualized instruction in self-care, motor development, functional academics, communication, recreation, pre-vocational and home living activities.

The 48,000 square foot building was completed at a cost of $1.6 million. The administration department is centrally located with dual access corridors on either side of the suite. Staff members may be in any part of the building short order.

"This is like heaven to us," says Mrs. Jo Gendreau, Principal of the school. "We use..."
ld classes in church basements or wherever
ace might be available to us."
The students who are ages 5 to 21 generally
iter the school through its electronically oper-
ed double doors. Most are bused. Besides the
ver, there is an aide and usually a hydraulic
for those in wheel chairs.
Since the transportation of those students
quires a "staging area" the architect inten-
ally placed the cafeteria near the entrance to
ve as a multiple commons area. This pro-
des room for various activities including music.
one of the students perform cafeteria duties.
The stereotyped clinical look so typical of such
ilities is minimized by the architect's use of
arm-toned color hues. Architect Brown points
4, "We made every effort to diminish the insti-
tional look and to accent the residential envir-
ment as much as possible. Toward that end,
the ceilings are intentionally low within the
guidelines of proper air circulation, and lighting
and equipment heights are scaled to suit var-
ious age groups."
The walls are carpeted to cut down on injuries
to the children, and are zig-zagged to accommo-
date wheel chairs. One way glass windows were
installed so that the students may be observed
without interruption.
"Flexibility was designed into the building
through the use of folding classroom partitions
which allow fewer staff members to supervise
larger groups of children in the same space that
can be ultimately divided into more intimate
study sessions," explained the architect. One
teacher and an aide work with groups of six to
fifteen students.
In an apartment built inside the school, stu-
dents learn grooming, how to make beds, sew-
ing and cooking as well. They do all the school
laundry.
An interior court is surrounded by the con-
tinuous-circle hallway. The court provides a
secluded play area easily supervised.
Kilmer Center has a gym and a hydrotherapy
pool. The work area is close by where it is hoped
that eventually some of the students may earn a
small amount of money.
The staff hopes to obtain equipment to make
logs out of newspapers. Mrs. Gendreaux points
out that it has never been considered to "pay"
the students in play money. "Even just one real
penny is better," she said.
Visits by interested persons are welcomed at
Kilmer Center. Tours are scheduled most Wed-
(Continued on page 52)
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Founded 1871
Veterans' Administration Hospital
Richmond
Williams and Tazewell & Associates, Inc.—Architect

General Contractors, George Hyman Construction Co.
and Blake Construction Co., Inc.
The $120 million Veterans Administration Hospital announced recently that Phase II is under construction. The $84,039,000 Finish Construction contract was awarded to Blake Construction of Washington, D.C. The construction is scheduled to be completed by June 1983. The project is a joint venture with Williams and Tazewell and Perkins & Will.

The $17,750,000 Phase I contract was simultaneously completed by George Hyman Construction Company of Bethesda, Maryland. The project is a joint venture with Williams and Tazewell.

Tamas F. Pucher, a principal of W&T and Project Director of the ultra modern complex, said: "The new VA Hospital in Richmond, Virginia, one of the largest in the nation, replacing existing hospital created in 1946. The hospital will take 3 million man hours to complete, equivalent of approximately 4 years work for 400 persons. It will require 550,000 tons of steel, 2 million pounds of galvanized sheet metal, 1 million bricks, and 16,000 tons of asphalt for road and parking areas. In addition, there is a million sq. ft. of gypsum wallboard and 75,000 cu. yds of poured-in-place concrete which will require approximately 132,000 tons of regionally quarried sand and gravel. It is a great benefit to Virginia and to the Veterans."

A two-story interior mall under continuous skylights will be the focus of community life and will be a relaxing indoor/outdoor area designed to support the well being of the patient. It runs east and west for the length of the building and serves as a transition area from exterior to the interior. It features spaciousness, great height, large trees and plantings within the mall.

The environment is barrier free which is particularly necessary, because the hospital contains large spinal cord and home care nursing units. These are located next to the mall on the same level assuring that these patients will close to the main stream of hospital life.

The hospital serves as a rehabilitation center and is programmed and designed to be responsive to the need of the many veterans to reacquire the ability to comfortably function in ordinary life. The Veterans Administration's motto is "To care for him who shall have borne the battle."

George Hyman Construction Co. of Bethesda and Blake Construction Co. Inc. of Washington, DC are general contractors. George Hyman Construction Co. is also handling excavating, foundations, concrete work and steel erection.

Subcontractors and Suppliers to date:
- Montague-Betts Co., Inc., Lynchburg, reinforcing & steel supplier; Lone Star Industries Inc., Richmond, concrete supplier; Baltimore Clay Products/Anning-Johnson Co., Springfield, interstitial deck; The Waldinger Corp., Des Moines, IA, sheet metal; Fire Door Corp. of America, New York City, NY, metal doors & frames; Worsham Sprinkler Co., Inc., Mechanicville, sprinkler contractor; Wm. H. White Jr., in Richmond, plumbing/heating/ventilating/air conditioning contractor; and Ernst/Meyers, joint venture, electrical contractors.
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**Correction**

Wes-Way Sprinkler Company, Inc. of Mechanicsville, subcontractor for Sprinkler Systems for the Valley Nursing Home, Chilhowie, was inadvertently omitted from the list of credits in our July 1980 issue. Our apologies.

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VVKR Incorporated—Architect/Engineer

Landscape Architect, VVKR Incorporated • Interior Design, VVKR Incorporated • General Contractor, Linton Construction, Inc. • Photography, VVKR Incorporated.
The Seneca State Park
Montgomery County, Maryland
prepared for
The Department of Natural Resources

The architectural theme of the buildings, and site furnishings reflects the natural setting of the large regional park, providing a rustic appearance with low maintenance materials.

Engineering Systems—a large portion of the first phase work included the design and specifications for water, sanitary sewer, and storm water systems.

The construction costs for the first phase of Seneca Park include approximately $915,000 for buildings and approximately $1,700,000 for road and utility construction, for a total project cost of approximately $2,600,000.

The first construction phase covers approximately 300 acres.

VVKR was commissioned to review a master plan prepared by the Maryland Department of Natural Resources, make recommendations for development, and provide the necessary design services for implementation of the 815-acre Master Plan for the Park. The Park is at the confluence of Great Seneca Creek and Long Draught Branch, and is designed to accommodate as many as 3,000 visitors per day. The project involves $3.2 million in construction costs in two phases. The plan includes:

- Visitors Center—provides an auditorium and exhibit area for community use, and park offices.
- Boating Center—designed to accommodate a boating concession on the 83-acre man-made lake. Includes boat storage for 45 boats, a floating dock, and offices for the concessionaire.
- The Service Complex—utilizes pre-engineered buildings for equipment maintenance and storage, and provides offices for Park administrative personnel.
- Contact Station—provides visitor with first contact with Park personnel and becomes a graphic introduction to the Park.
- Comfort Stations—seven stations were designed as unobtrusive, low maintenance, and vandalproof structures.

Linton Construction, Inc. of Rockville, Maryland was general contractor and handled sodding, seeding, etc., landscaping, landscaping work, foundations, concrete work, carpentry, roof/wall/foundation insulation and sheet metal.

Subcontractors & Suppliers
Walk Company, Howard County, excavating; Flintkote, Inc., Frederick, MD, paving contractor; Trowbridge Steel Co., Inc., Sterling, reinforcing; Karon Masonry, Inc., Beltsville, MD, masonry contractor; Alumitron Corp., Hyde Park, MD, handrails; Geyer Lumber & Millwork, Chambersburg, PA, millwork, paneling, cabinets & wood doors; Jack's Roofing Co., Inc., Bethesda, MD, built-up roof; and Virginia Roofing Corp., Alexandria, other roofing.

Also, American Plate Glass Co., Kensington, MD, glass, glazing contractor, windows & storefront; Walsh & Koehler, Erie, PA, metal doors & frames; Construction Hardware, Inc., Willow Grove, PA, finish hardware; Contractors' Supply Corp., Englewood, NJ, hardware supplier; Warther Inc., Frederick, MD, gypsum board contractor; Southern Maryland Contractors, La Plata, MD, resilient tile; Ronald Mayhew, Inc., Arlington, painting contractor (Glidden Paints); Noland Co., Falls Church, plumbing fixture supplier; Ka-Lo Plumbing, plumbing contractor; Asmar Co., Inc., Vienna, heating/ventilating/air conditioning contractor; and Pel Berger Electric, Inc., Washington, DC, electrical contractor.
Colby Residence
Great Falls
Richard A. Compton, AIA and John G. Colby, AIA—Architects

As a natural development of an existing friendship and business relationship, John Colby, Architect, approached Mr. Compton with the opportunity of co-designing a home for himself. Working together, they were able to achieve exemplary results in a custom neighborhood where Mr. Compton has designed and built four other homes for the speculative market ranging from $300,000 to over $400,000.

The Colby residence was specifically designed to integrate a tennis court with the exterior configuration of the home. Therefore, the angled kitchen and garage walls became the end wall of the court. Large laminated glass windows afford courtside views from the kitchen eating space and second floor master bath while an exterior deck also overlooks the tennis court. All exterior wall surfaces are crafted of cedar.

Inside, the major designed space is a gracious two-story living room which opens to views from an adjacent library and two bedrooms at...
the upper level. The living room ceiling matches the finish of the exterior cedar siding and opens through the rafters to a large clerestory window above.

Interior finishes have been limited to a few high quality materials such as natural oak, English quarry tiles, and berber carpet.

Of greatest significance is the fact that Messrs. Colby and Compton are still good friends and planning other projects!

Compton Associates, Ltd. of Reston was general contractor for the project.

Subcontractors & Suppliers
Russell Jenkins Excavating, Luray, excavating; Ralph Parker Landscaping, Culpeper, sodding, seeding, etc., landscaping & landscaping contractor; H&M Paving Co., Inc., Alexandria paving contractor; Bill Holloway Concrete, Fairfax, concrete contractor; Falcon Materials Sterling, concrete supplier; Wayne S. Burleson, Sterling, masonry contractor; Cherrydale Cement Block Co., Inc., Herndon, masonry supplier & mortar; Arlington Iron Works, Inc., Manassas, steel supplier & miscellaneous metal; W. C. Jenkins, Gaithersburg, MD, carpentry; Devlin Lumber & Supply, Rockville, MD, structural wood millwork; S&S Products, Manassas, cabinets; Every Water Guard Co., Rockville, MD, waterproofing; United Materials, Springfield, roofing; A C & R Insulation Co., Beltsville, MD, foundation insulation; and Airway Sheet Metal Co., Inc., Great Falls, sheet metal.


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The Newport News Department of Public Utilities programmed an expansion to its Engineering Building to accommodate additional drafting space, records rooms and other auxiliary spaces.

Other program requirements were to make the building accessible to the physically handicapped, provide a new employee entrance, analyze the existing HVAC system, and adhere to the budget. Sitework outside of the building limits was not included in the project.

The major design objective was to create compatible massing with the new building as well as minimize the interface between the existing building and the addition. This allowed great flexibility with the window proportions and masonry details.

The 45 degree splayed wall forms the major portal for the employee entrance and separates pedestrian from vehicular traffic. The exposed steel joist and metal deck canopy serves two fold to shade the south facing windows of the drafting room and protect the entrance ramp during inclement weather. The drafting room was oriented south to take advantage of the best view on the site.

Exposed exterior metal fabrications are painted red, creating a striking contrast against the gray-tinted white building. Aluminum fascia system is gray to terminate the masonry parapet. Entrance doors are blue and windows are mill-finished aluminum with gray-tinted glazing.

The structure is masonry bearing walls, concrete slab and steel joists. Exterior walls are painted brick. Interior walls are painted gypsum board on metal studs. Floors are vinyl asbestos tile and ceilings are acoustical panel.
A square foot expansion was completed and occupied in January 1980.

Cochran Construction Co. of Hampton was general contractor for the project.

Subcontractors & Suppliers
Norfolk firms were: Hall-Hodges Co., Inc., reinforcing; Eastern Roofing Corp., built-up roof, roof insulation and sheet metal; PPG Industries, Inc., glass, glazing contractor & windows; and Door Engineering Corp., specialties.

From Newport News were: Benson-Phillips Co., Inc., concrete supplier & masonry supplier; D. Hammond, Inc., masonry contractor; Paul Paster and Acoustic Co., wall insulation, gypsum board contractor & acoustical treatment; and Deuell Decorating Co., Inc., painting contractor.

Others were: Compton Iron Works, Inc., Virginia Beach, steel supplier/erection/pist/roof deck & miscellaneous metal; Seaboard Building Supply Co., Virginia Beach, metal doors & frames, wood doors & hardware supplier; Southeastern Tile and Rug Co., Inc., Hampton, resilient tile; and R. F. Scott, Smithfield, sprinkler/plumbing/heating/ventilating/air conditioning/electrical contractor.

tell the Virginia Story

OCTOBER 1980
Ambulatory Care Facility
Prince George's Hospital, Cheverly, Maryland
VVKR Incorporated—Architect/Engineer

SITE PLAN

Landscape Architect, VVKR Incorporated • Interior Design, VVKR Incorporated • General Contractor
General Federal Construction, Inc. • Photograph
VVKR Incorporated.
The Prince George's Hospital project included the development and definition of community service loads related to ambulatory and emergency care. Consistent with this task, it also included the evaluation of existing resources of the 650-bed acute general hospital, programming, development of a master plan, and the design of new ambulatory care facilities for approximately 200,000 visits per year and structured parking facilities.

In this three-level, triangular-shaped structure individual clinics are located along a mall with waiting areas along the exterior, and diagnostic and treatment areas toward the interior of the building. The design of the facility allows a more efficient traffic flow to the clinics, which patients reach more easily through the coordinated use of brightly colored graphics and signage. A walk-in emergency clinic, located at one end of the mall, adjoins both the clinics and the emergency rooms. This is the major specialty referral center and is designed to accommodate a quarter of a million patient visits per year.

Significant features of this project include:

• The standardization of ambulatory clinic modules to accommodate a wide assortment of specialty ambulatory care clinics ranging from learning disabilities, family practice and psychiatric, through all the specialized medical/surgical clinics including endocrinology, cardio-
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lation therapy, pharmacy, and clinical pa-
• The use of "schedule simulation" and "gan-
ing" in clinic space program and modul-
determination.
• The functional relationship of acute emer-
gency access, "walk-in-patient" access an-
emergency psychiatric patient access.
• The use of performance type documents fo-
the procurement of structured parking facili-
ties; and the integration of the type of pro-
curement with custom designed clinical fa-
cilities.
• The use of Construction Management sys-
tems for project implementation.
• The project includes regional linen process-
ing facilities to serve four institutions.
• The separation of staff work from patient
circulation in each clinic module.
• Reorganization of circulation patterns, and
point of entry patients and visitors to the
medical center.
• The resources for the handling of rape cri-
victims.

General Federal Construction, Inc. of Silver
Spring, Maryland was general contractor and
handled excavating, sodding, seeding, etc., and
foundations.

Subcontractors & Suppliers
Washington D.C. firms were: The Ceco Corp.,
concrete contractor/supplier; Thomson Steel
reinforcing; Washington Woodworking Co., Inc.
carpentry & millwork; Prospect Industries, Inc.
waterproofing; Commercial Glass Co., Inc., glass
& glazing contractor; Kanneer Co., Inc., win-
dows, window wall & storefront; Boulden Cer-
ic Tile Co., ceramic tile; Haughton Elevator
Div. of Reliance Electric Co., elevators; and
Atchison & Keller, Inc., sprinkler/plumbing/
heating/ventilating/air conditioning contractor
& plumbing fixture supplier.

Others were: Kidwell & Kidwell, Inc., College
Park, MD, masonry contractor/manufacturer/
supplier & mortar; Janco Enterprises, Inc., Land
over Hills, MD, steel supplier/erection/steel
roof deck & handrails; American Iron Works
Inc., Bladensburg, MD, miscellaneous metal
Carl Toma, New Jersey, cabinets; J. W. Conway
Inc., Hyattsville, MD, caulking, built up roof;
other roofing, roof insulation, foundation insu-
lation & sheet metal; Firedor Corp., New York
City, NY, metal doors & frames; Fries, Bearl &
Sharp Co., Alexandria, hardware supplier; D. R.
Thomas, Inc., Hanover, MD, gypsum board con-
tactor & acoustical treatment; Madison Decor-
rating Co., Crofton, MD, painting contractor/
supplier, special wall finish & wall covering;
and Dynalectric Co., Vienna, electrical equip-
ment supplier & electrical contractor.

Also utilized were: Armstrong resilient tile;
Lees carpeting; Metal specialties & Watrous
Inc., equipment.
The 'Meagher House'
Restoration/Renovation, Richmond
Wallace F. Mills, AIA—Architect/Owner

Church Hill in the past, was a forerunner of styles, prominent families and historic events; and to many of the families who lived there it was with sad goodbyes they left their often one-of-a-kind homes.

In recent years Church Hill has seen many people return; look past the dust and trash to the beauty of the buildings which have withstood both the continuous architectural style changes and the growth changes of a nation's people. The fact these buildings still hold the charm, space and can be adapted to an energy crunch, says it all for the close knit neighborhood of people which now occupy these homes and are striving to make Church Hill the focal point it once was.

It was these ideas, people, and a strong desire to save another well constructed building which led the Owner/Architect to restore the residence known as "The Meagher House," 2715 East Grace to its former elegance.

The Residence
The large residence was restored and renovated; protecting the objects of the period in which the house was built, such as the floors, wood trim, plaster moldings, etc. The first floor starts with an entrance hall with a side alcove to the left and a formal living room to the right. From the formal living room with its hand made fans, large oak mantels, built-in...
storage/entertainment wall, and floor to ceiling windows; you enter the formal dining room. This room has matching fixtures, mantel, etc. to the living room so that when entertaining those rooms can act either separately or together, by opening or closing the large sliding doors.

The dining room is served from a "Pullman" type kitchen, designed with minimum movement in mind. The kitchen has a trash compactor, range and range hood, exhausting to the outside, dishwasher, double stainless steel sink with a large disposal unit, refrigerator, large drawer storage cabinet, and master control center for the intercom system. There are sufficient base cabinets and wall cabinets around this room in oak finish, and overhead is a light fixture/glass rack designed for stemware and custom built for the house. The floor is of no-wax resilient sheet goods, in a glazed tile design.

Off the kitchen is a larger than average powder room with a reporcelained corner sink. Beyond this room is a laundry center designed for a stack unit washer/dryer, with cabinets to store detergents or other items from the kitchen.

The kitchen, dining room, and entry hall open onto a large multi-level treated wood deck and gazebo. The deck opens onto a brick patio and large enclosed back yard. Beyond the back yard is offstreet parking for four cars.

The stair from the entry hall is original wood, restored with walnut handrail Newel Post and also restored metal "dust catchers" in the corners. This stair design is a "scissor" design with an intermediate landing. Off the landing is a working sun room/green house.

The green house has its own heat, 8'-0" Grow-Lite, sink and Formica work table. The floor is of resilient sheet goods for fast mop cleaning. In the corner is a storage cabinet of a curved design which is original with the house. The skylight is 3/8" plexiglas.

The second floor has two (2) large bedrooms with rebuilt fireplaces in each; ceiling fans or reostats; recessed lights in each room; and each room has a "wall" of closets.

This floor also has the master bath, a true bathers paradise. The tub is by Jacuzzi—"The Athena"—the largest bathing/whirlpool tub made by Jacuzzi, large enough for four (4) bathers. It is surrounded by ceramic tile with the ceiling over it at approximately 14 feet high and covered entirely with a 3/8" plexiglas skylight. On each side of the tub are mixing valves controlling "his" and "her" massage shower heads. The linen closet in this room is composed of low oak cabinets mounted over the heat system to provide heated towels in the winter. This room is the only room in the residence with carpet. Carpet was chosen for warmth and easy maintenance.

The heating system was designed for both economy for the owner each month and a consistent warmth, with controls sufficient to maintain the heat desired. The system consists of two (2) zones of hot water baseboard heat, and is fired by a gas boiler in the basement. One (1) zone supplies the second floor (sleeping area), and one (1) zone supplies the first floor (living area). This heat is also backed by a passive solar heating system. On sunny winter days, heat is gained by opening the transom of the door to the green house and allowing this green house trapped solar heat to come into the living area of the house.

Air conditioning or summer heat was studied for energy conservation. Each room has a ceiling fan which runs at full power with the energy consumption of one (1) 100 watt light bulb. The roof is insulated with 6" of cellulose insulation. The roof surface is coated with heat reflective aluminum coating and there are two (2) exhaust vents (wind and heat powered) to remove heat from the attic space. If all of the above fail to make the occupants comfortable, each room has a window or place, located not to be physically unattractive from the street, in which a window unit of small size can be located and the electrical service of these receptacles is a straight line to the breaker panel. Therefore, any use of a window unit for dehumidifying will not dim or fluctuate the power going to any other appliance. A duct system would have ruined the space of the rooms as they were designed. One (1) window unit per floor, running only at extreme weather days, and then only part of the day, should more than meet any demands at less cost than built-in air conditioning.

The hot water heaters for the residence are two (2) large gas hot water heaters, hooked in tandem to provide continuous hot water at any one time or any probable use demand. A total of 130 gallons are always hot and ready. The four (4) fireplaces in the residence were rebuilt from the grade through the roof. The first floor level has enlarged burning capacity, 30 inches wide, and the second floor has the original opening of 24 inches. All are lined with new fire brick, terra cotta flue liners and metal dampers.

The floors of the residence are Georgia Pine and were seasoned approximately five (5) years before being installed in the house. The house was built approximately 1870.

The wood trim is all multimembered trim of original design and of width and thickness as to be a prohibitive in the construction of a house on today's market, for cost alone.
The front porch wrought iron is original and took two (2) months in 1979 to restore so that the intricate forging designs were once again visible. The entrance door etched glass design was restored by Art Miller, artist-in-residence at the Virginia Museum of Fine Arts. The design was taken from a single remaining piece of glass left in a side light.

The house is wired to each room for stereo speakers from a master in the living room. Each room is wired for intercom with the master in the Chen. Each room is wired with a phone jack, including the bathroom. The phone system is designed to take eight (8) separate numbers.

The residence was truly designed with the arts in mind, music, dining, entertaining, and plants.

The Apartment
Tucked behind and totally in harmony with the Residence is a two-story townhouse apartment. It is completely sealed from the residence by her masonry walls or sound deadening double stud walls. The apartment has its own entrances, exits, heat, utilities, etc., which make it a living unit within itself. The entrance is off the large deck into a Aad room; this room is comprised of three (3) sections, kitchen, dining, living areas. The kitchen is an efficiency kitchen with refrigerator, double sink with disposal, and range with exhaust hood. After preparing a meal the complete kitchen can be closed off from the rest of the room by folding hinged wood doors.

Several points of focal interest in this room capture the eye immediately on entering. The iron spiral stair to the second floor, the small Petite Adin parlor stove imported from France, and the exposed brick accent wall which carries upward through the stair well to the second floor. The eat room also has windows on all three sides with views of the deck and Zenbo, the patio, and back yard. This room is presently painted in oyster shell white with wall to wall carpet in honey beige.

Upon ascending the spiral stair you enter the second floor study, a small area separated from the bedroom by a low wall divider. The divider is approximately four (4) feet high; this allows the bedroom area to take on easier dimensions of space, by flowing from space to space.

Off of the bedroom is a complete sunroom/greenhouse, similar in construction and design to the residence however, there is a door leading to a second floor balcony which overlooks the yards and has a straight stair leading to the deck.

Behind the bedroom there is a dressing room area with a wall of closets and a laundry room plus a full bathroom. The second floor is painted in oyster shell white with honey-beige wall to wall carpet. The bathroom and greenhouse floors are done in resilient sheet goods.

The architect extends special thanks to the many friends who helped through their labor and sincere belief in dreams.

Architect/Owner, Wallace F. Mills, AIA handled the general contract and painting.

Subcontractors & Suppliers (Richmond firms unless noted)
W. F. Bailey, carpentry & masonry; J. A. Monroe, restored iron work; H. T. Loving, Inc., Ashland, electrical contractor; A. H. Street, plumbing contractor; Casey Nickolous, heating contractor; Colonial Iron Works, Inc., Colonial Heights, wrought iron (new work & fence); Royal Windyne Ltd., ceiling fans; J. W. Donahue, sheetrock hanging; Ne-Di Construction Co., Inc., Manakin-Sabot, insulation; and Atlantic Electrical Supply Corp., light fixtures and intercom.

Also, Arthur Miller Studios Ltd., etched glass; Richmond Glass Co., miscellaneous glass; Virginia Paint Co., Inc., paint; Lowe's, cabinets and appliances; Massey Builders' Supply Corp., Lowe's and R. A. Siewers, Inc., materials; New Kent Wood Preservatives, Inc., Providence Forge, treated wood; Lou Bland, plaster work; S. W. Jackson, wood floors; American Carpets, Inc., carpet & resilient tile; Plywood & Plastics, Inc., skylights; and E. T. Long, Inc., cast iron stove.

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to tell the Virginia Story

OCTOBER 1980
Duffy Residence
Great Falls
Richard A. Compton, AIA
The Duffey Residence is one of three speculative homes which Architect Richard Compton and partners John Colby and Ned Ahmed have developed in an exclusive Great Falls, Virginia, neighborhood. The two-acre wooded site slopes gently up to the front entrance where the home is positioned to take advantage of prevailing breezes, passive solar opportunities and views of an adjacent 50-acre horse farm. The exterior is clad in vertical cedar siding with minimal trim detailing to allow the form of lids and voids to be clearly seen. Numerous interior patios and decks serve each side of the home.

Designed around a large interior atrium dining room, all rooms of the home are open to the major two-story, skylighted space, affording open views and much circulation space for gracious entertaining. The kitchen, library, and bath cabinetry are custom crafted of flush overlay, natural finish oak. English quarry tile and natural oak floors on the main level complement the natural berber carpet selected for the upper level bedrooms and stairs. The skylighted master bath suite is enhanced by exquisite fixtures.

(Please turn the page)
and a custom-designed botanical shower of ceramic tile.

To date, Mr. Compton has designed and built eight homes of this size and character for the speculative market in suburban Washington, D.C. The market response has been outstanding. Compton Associates, Ltd. of Reston, was general contractor for the project.

Subcontractors & Suppliers
Russell Jenkins Excavation, Luray, excavating; Ralph Parker Landscape, Culpeper, sodding, seeding, etc., landscaping & landscaping contractor; H&M Paving Co., Inc., Alexandria, paving contractor; Bill Holloway Concrete, Fairfax; concrete contractor; Falcon Material, Sterling, concrete supplier; Wayne S. Burleson, Sterling, masonry contractor; Cherydale Development Block Co., Inc., Herndon, masonry supplier & mortars; Arlington Iron Works, Inc., Manassas, steel supplier & miscellaneous metal; W. C. Jenkins, Gaithersburg, MD, carpentry; Herndon Lumber & Millwork, Inc., Herndon, structural wood millwork; S&S Products, Inc., Manassas, cabinets; and Every Water Guard Co., Rockville, waterproofing.


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The limited size of a home and growing family needs demanded an addition to the Johnson house in Annandale. Several requirements were to be met; maintaining the “family” rear play-yard was major. The nearby neighborhood contemporary design was admired and thereby fostered a face-lifting that would relate to the immediate neighbors traditionally rooted homes. Because of zoning setback requirements, limited budget and the desirability of saving front yard trees for summer shading, a limited front addition was arrived at. A second level was incorporated to achieve separation and space requirements as well as drama and a multitude of intrinsics such as vistas and ventilation.

The first floor involved enlarging the living room as well as an existing bedroom that was modeled into a family room with a separate children’s courtyard/entry. A sunken foyer, stairs and recessed armour closet with two...
Smyth-Bland Regional Library
Phases I & II, Marion
Echols-Spargar & Associates—Architect

Mechanical Engineer, Loest & Stanley, Inc. • Electrical Engineer, Loest & Stanley, Inc. • Structural Engineer, Rayford B. Smith • Interior Design, Echols-Spargar & Associates • General Contractors, Cessell Brothers, Inc. • Phase I, Payne Construction Inc. • Phase II • Photography, Echols-Spargar & Associates.

Until this facility was occupied late in 1989, the Smyth-Bland Regional Library was confined to two classrooms in an old schoolhouse. The library had operated in these facilities since beginning in 1972 and had outgrown the space available.
The federal Public Works Grant Program presented an opportunity to secure the funds needed for a new library. Largely through the efforts of a local volunteer organization, the Friends of the Library, an excellent site in the heart of Marion, Virginia, the County Seat of Smyth County, was obtained. Application for construction funds was then made by the Smyth County Board of Supervisors.

Funding was provided for approximately one-half of the proposed project. It was, therefore, necessary, within a tight time frame, to reduce the size of the project significantly. The initial construction was divided into two contracts to expedite commencement of construction. Echols-barger and Associates devised a phased-construction plan which would allow the new building to be expanded as funds became available.

Space usages within the first phase were reassigned to accommodate all the library's functions until the remainder of the facility can be constructed.

Charging, references, reading area, and periodicals are presently accommodated within what will eventually be the information/charging area. Other spaces include the stack area, children's library and bookmobile garage.

On the exterior, the building gets its character from the articulation of its brick surfaces. There is considerable use of soldier coursing and a structural brick arch unmistakably defines the entrance. The future construction will complement and expand upon the design theme established by the built portion of the project.

Cassel Brothers, Inc. of Kingsport, Tennessee was general contractor for Phase I, and handled foundations and concrete work.

Payne Construction Co., Inc. of Bedford was general contractor for Phase II, and handled sodding, seeding, etc., and carpentry.

Subcontractors & Suppliers

Carr Brothers, Blountville, TN, excavating; Valley Steel Corp., Salem, reinforcing; Pendleton Construction Corp., Marion, concrete supplier; Moore Masonry, masonry contractor; Virginia Block Co., Pulaski, supplied block; General Shale Products Corp., Marion, supplied brick; Al-Steel Fabricators, Inc., Roanoke, steel supplier/joists.
& miscellaneous metal & handrails; Wilson Construc-

construction, Lafollette, TN, steel erection; Tauscher

Roof Deck Co., Bristol, TN, steel roof deck; Bonitz Insulation Co., Inc., Asheville, NC, other

roof deck & roof insulation; American Wood-

works, Inc., Knoxville, TN, millwork & wood

doors; and Commercial Caulking Co., Richmond,
caulking.

Also, Leonard Smith Sheet Metal & Roofing

Co., Inc., Salem, built-up roof & sheet metal; A&H Contractors, Inc., Roanoke, wall & founda-

tion insulation, plaster contractor, gypsum

board contractor, acoustical treatment & resil-

ient tile; Holston Glass Co., Inc., Kingsport, TN,
glass, glazing contractor, windows & store-

front; Seybar, Inc., Martinsville, metal doors &
frames and hardware supplier; Joe Rainero Tile

Co., Inc., Bristol, ceramic tile; Discount Carpet

Center, Seven Mile Ford, VA, carpet; Contract

Wall Coverings, Salem, painting contractor/sup-

plier; Devoe & Raynolds, Co., Inc., Roanoke,
paint manufacturer; Rosenbaum of Roanoke, Inc.,
Roanoke, specialties; King Business Interi-

ors, Inc., Roanoke, equipment; Noland Com-

pany, Roanoke, plumbing fixture and lighting

fixtures supplier; Systems Contractors, Inc.,
Wytheville, plumbing/heating/ventilating/air

conditioning/electrical contractor; and General

Electric Electric, Plainville, CT, electrical equip-

ment supplier.

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On February 1, 1978, a structure fire was reported at the old Buchanan Elementary School. The origin of the fire was never specifically determined, however, the resulting destruction was total. This event left several hundred children without adequate educational facilities.

The first priority of the Botetourt County School Board was to provide facilities for the children to continue their education. Two factors played an important role in the final solution to the problem created by the fire. First, the school administration and board had the foresight to plan ahead for their evergrowing community and second, the old school which was destroyed was insured for “replacement value.”

Several years prior to the fire, the school administration had requested that a new elementary school, which was being built in Buchanan, be designed with expansion capabilities. Sherertz, Franklin, Crawford, Shaffner were the architects for the elementary school which was completed in 1974. What was to happen to the school in terms of expansion at some later date became an immediate reality due to the fire.

In planning a facility to replace the destroyed school building, SFCS studied several different schemes as well as the possibility of a new replacement facility. They determined that an addition to the school they had designed in 1974 was the most desirable solution to the problem.

It took the school board approximately five months to resolve what course of action to pursue and to sort out insurance and legal matters. In July 1978, SFCS began design of the addition. Since much time had been

(Continued on page 53)
Operating from trailers and “borrowed” corners of hangar space for some 12 years, the Aviation Section of the District of Columbia National Guard was finally authorized to build its own facility for maintenance and flight operations. Jones and Strange-Boston were selected as architects and engineers for the project and, working closely with the owners’ U.S. Property and Fiscal Officer and the Aviation Officer, site study was begun. While the National Guard had already secured a lease on a site at Davison Army Air Field, Fort Belvoir, an intensive re-study of sites available at Andrews AFB, Dulles IAP, and other locations was conducted by the National Guard Bureau to verify the choice. Air traffic patterns, proximity of like equipment and special fuel and maintenance support offered by the U.S. Army at Fort Belvoir confirmed the original placement decision and design work was begun for the leased site.

Four major problems were presented by the selected site: sloping ground; poor surface drainage off site; underground springs; and soil contaminated with wood parasites. These were overcome by the architects with careful grading, storm water management techniques, subsurface drainage systems, and an on-site soil stockpiling program. The site, while layered with early fill up to seven feet, was found suitable for spread footings located on the original ground.

The facilities provided within the building are in two categories: Operations/Administration in the one-story finished portion along the airfield side, and Maintenance, which includes the hangar and the shops grouped around it. Surrounding the hangar are Prop/Rotor Repair Shop, Avionics, Painting, Welding, Sheet Metal, Battery, etc., together with a complete Supply Section. The Operations/Administration section provides classroom training, reference space, flight planning and operations control, as well as the required office space. Landing lights leading into the tie-down pads are controlled from this wing.

The 27-foot high hangar doors are easily moved in sections by one man. They are of steel construction, with metal siding and ball-bearing bottom wheels supported on steel rails; electric heating wires are used to prevent ice build-up on the tracks. A wind truss space frame is used at the head of these doors for rigidity and support against gusts of wind across the airfield. The size of the door opening eliminates much of the required rigidity on the front side of the hangar wall—to strengthen this wall, the architects provided side buttresses which give the building its identifying shape. Other features of the hangar are a surface grounding system, carefully controlled floor slopes, and a three-ton bridge crane used to lift major aircraft parts and transfer them to dollies at shop doors.

Since long-term maintenance is always a problem at an armed service installation, it is usually accomplished on a contract basis. (Continued on page 54)
Christ Episcopal Church
Addition, Amelia Courthouse
Fraher and Harrison—Architects

Christ Church in the village of Amelia is a fine example of a small rural 19th Century Virginia church. Built in a Victorian Gothic style, the one-
The church remained in use with few changes until the recent addition was made to provide Sunday School space, kitchen and toilet facilities. Although contemporary in feeling, the addition was designed to blend with the existing building by the use of the same rough stucco exterior, steeply pitched roof, and the adaptation of the Gothic arch which characterizes the original building.

Because the site was very limited in size, the addition was designed with two floors connecting the existing building at an intermediate level. Since the addition required the closing of an existing window, skylights were installed above the hallway behind the chancel, providing back-lighting for an existing stained glass window.

T&L Construction Co. of Midlothian was general contractor and handled excavating and carpentry.

Subcontractors & Suppliers

E. L. Hogan, Chesterfield County, concrete contractor; Joe Easter, Amelia County, masonry contractor; Sned's Cabinet Shop, Chesterfield County, cabinets; John Binns, Cumberland County, roofing; Howard Bollinger, Amelia Courthouse, plaster contractor; C. V. Richardson, Amelia Courthouse, gypsum board contractor; George Olin Hardy, IV, Amelia Courthouse, plumbing/ventilating/electrical contractor.
Cumberland Bank & Trust Co.
Clintonwood Facility, Clintwood
Byron R. Dickson, Architect

Located in the heart of Southwest Virginia's coal reserves, Cumberland Bank and Trust Company has just completed a new office in Clintwood. The recently constructed facility provides full-service banking for Cumberland County, Virginia; parts of Kentucky and West Virginia.

This progressive banking organization is celebrating 60 years of service to the people in their marketing area. Originally founded as the Bank of Haysi in 1919 by Mr. R. L. Sutherland and relatives, growth has been steady over the years. Under the direction of Mr. Sutherland, a second office was opened in 1933 in Clintwood and later a third office was established in Grundy, which became the Main Office and Headquarters. In 1935 the name was changed to Cumberland Bank and Trust Company and after 35 additional years of continuous growth affiliation was established with Dominion Banksshares Corporation, a major banking group in Virginia. Today the Cumberland organization is the largest bank headquartered west of Roanoke, having offices in Grundy, Oakwood, Haysi, Harmon Junction, Royal City and now the new 17,300 square foot facility at Clintwood. A total employment of over 130 persons serves the bank's present needs.

The new Clintwood facility is two stories. The ground floor provides the customer service functions. On the second floor are bank support activities, employee lounge and board room.

Access to the main level is made from either the street side plaza or the rear parking area through entrance vestibules in the main banking lobby which is served by ten teller stations. Adjacent to the tellers' area is a cash room with employee toilet. Across and adjacent to the main lobby is the officers' platform. Opening onto the platform is the main vault with adjoining coupon booths; two private offices for local executives; and the real estate department.
platform itself provides desk stations for ten persons. File space, including an enclosed room and two built-in groupings, is abundant. Also located on the main level is the mechanical room.

Access to the second level is by elevator or one of the two stairways provided adjacent to each entry vestibule. The bank support functions on this level include installment credit, item control, private offices, records vault and copy room. Employee facilities include a large lounge with kitchen and toilet rooms. A janitor’s closet and telephone equipment room are also provided.

The below grade structural system consists of concrete footings and masonry foundation walls. The vault enclosure is reinforced concrete. Brick and concrete masonry bearing walls with insulation filled cavity provide the structural support for the second floor and roof framing system. The ground floor is concrete slab on grade. The second floor is metal deck with concrete fill supported on steel joists. Roof framing is provided through the use of joist girders, purlins, metal deck and rigid insulation. A built-up roof insures moisture protection.

Interior finish systems reflect the needs and space activity. The floor in the public area on the first or ground level is terrazzo. All other floor covering is carpet with traffic and utility areas having vinyl asbestos tile. Wall finish include brick, concrete masonry painted, drywall on metal studs with both vinyl wall covering and painted surfaces. The ceiling is precast indented acoustic tile in a suspended metal grid system. Vault ceilings are painted concrete.

Site features include parking areas with handicapped provisions, circulation drives, plaza, open space development along the main road, the north and automobile banking facilities consisting of a canopy covered drive-up window and three remote units. An after-hours deposit is located under the canopy.

The grand opening festivities for the new Clintwood facility took place on June 13, 1981. The project was delivered on time and 10 percent under budget.

Days Construction Co., Inc. of Salem was the general contractor and handled foundation, waterproofing, caulking and wet and foundation insulation.

Subcontractors & Suppliers (Salem firms unless noted)

H&H Contractors, Clintwood, excavating; Jesse Paving Co., St. Paul, paving contractor; Valley Steel Corp., reinforcing; Thompson Mason Contractor, Inc., masonry contractor; Bolli Steel Co., steel supplier/roof deck & hand rai; John W. Hancock, Jr., Inc., steel joists; LaPrade Roofing & Sheet Metal Co., roofing; Central Glass Co. of Virginia, Inc., Bristol, glass, glazing contractor, window wall & storefront; Skyline Paint & Hardware, Inc., Roanoke, metal doors & frames, wood windows, hardware supplier & specialties.

Executives at Weidmuller Terminations, Inc., are looking forward to occupying this fall what will become the company's new headquarters in the Western Hemisphere. The West German manufacturer of electrical terminals currently occupies limited space in buildings near Byrd International Airport, and the scheduled move will place personnel in facilities designed to meet current space needs with the capability of expansion in the future.

The first phase of the contemporary building will enclose an area of approximately 33,000 square feet. The plan is formed by the combination of triangular and rectangular spaces with

(Continued on page 53)
Central Fidelity Bank
Amelia Courthouse
Fraher and Harrison—Architects

Mechanical Engineer, CEK, Inc. • Electrical Engineer, CEK, Inc. • Structural Engineer, Dunbar, Mil and Williams • Interior Design, Thalhimer's Business Interiors • General Contractor, Kenbridge Construction Co., Inc.
Prior to moving to its new facility in July 1979, Amelia Branch of Central Fidelity Bank was located in a 50-year-old structure adjacent to Court Square in the village of Amelia. The older building had been expanded and modernized over the years but a growing clientele brought about the need for additional lobby space, office, parking, and expanded drive-in facilities possible on the existing site. Because of this, the bank acquired a parcel of undeveloped land across Court Square and retained Fraher and Harrison, Architects, of Richmond to design a new facility.

The program for the new bank called for a 10,000-square-foot building which was to be traditional in design and scale with the other buildings in the village surrounding the Court House. Drive-in facilities were to be provided for one drive teller window, one remote station, and space for another future remote unit.

Parking requirements were established in excess of minimum requirements in order to reduce congestion in the village area and to provide additional parking for community-related activities taking place in the bank's board room.

The general contractor for the building was Kenbridge Construction Company of Kenbridge.

Subcontractors & Suppliers

(Richmond firms unless noted)

F. Vaughn, Amelia, excavating & paving contractor; Bowker & Roden, Inc., reinforcing supplier; Garrett, Moon and Pool, Inc., Blackshear, concrete supplier; Bruce & Holmes, Lawrenceville, masonry contractor; Brick & Tile Co. of Lawrenceville, masonry supplier; Virginia Engineering Sales Co., steel supplier/ joists; Hanover Fabricators, Ashland, wood trusses; Miller Manufacturing Co., millwork & wood doors; Commercial Caulking Co., caulking; W. O. Kennedy, Chase City, flooring; and Davenport Insulation, Inc., insulation.

Also, Pleasants Hardware, metal doors & frames & hardware supplier; M&W Millwork manufacturers, Rocky Mount, window manufacturer; Mark Fasig, gypsum board contractor; E. Satterwhite, Inc., slate flooring; Manson & Syley, Inc., acoustical treatment & resilient tile; The Floor Show, Lynchburg, carpet; Chapman & Martin, Inc., Amelia, painting contractor & wall covering; M. A. Bruder & Sons, Inc., paint manufacturer; Roanoke Engineering Sales Co., Inc., specialties; Diebold, Inc., banking equipment; J&M Plumbing & Heating Co., Petersburg, plumbing/heating/ventilating/air conditioning contractor; G. E. Paine Electric Co., Inc., Mechanicsville, electrical contractor; and Key Fixture & Equipment, Inc., Lynchburg, teller casework.
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Virginia Beach firms were: Tri-C-Steel Corp., steel supplier; Delta Suppliers Ltd., wood supplier; and Colson Products Co., electrical equipment supplier.

And from Hampton: Charlie Ulisse & Sons, Inc., concrete supplier; and A. M. Savedge Co., electrical contractor.

Virginia Beach firms were: Tri-C-Steel Corp., steel supplier; Delta Suppliers Ltd., wood supplier; and Colson Products Co., electrical equipment supplier.

The structure is wall-bearing steel joist trusses, with a metal deck and built-up roof (special insulating and reflective roofing materials were used for energy savings). The hangar roof is finished with a lightweight, insulated membrane. The hangar was constructed with a metal deck and built-up roof (special insulating and reflective roofing materials were used for energy savings).

Subcontractors & Suppliers

From Virginia Beach: Tri-C-Steel Corp., steel supplier; Delta Suppliers Ltd., wood supplier; and Colson Products Co., electrical equipment supplier.

From Hampton: Charlie Ulisse & Sons, Inc., concrete supplier; and A. M. Savedge Co., electrical contractor.

Virginia Beach firms were: Tri-C-Steel Corp., steel supplier; Delta Suppliers Ltd., wood supplier; and Colson Products Co., electrical equipment supplier.

And from Hampton: Charlie Ulisse & Sons, Inc., concrete supplier; and A. M. Savedge Co., electrical contractor.
The mechanical systems were designed to provide optimum comfort through the use of energy efficient equipment. The addition, as well as the original building, is fully air conditioned through the use of electric heat pump, roof top units. The economy of operation of this system is enhanced by the extensive use of insulation to obtain optimum "U-factors." Further energy conservation is obtained through the use of night-setback and economizer controls.

C. L. Lewis and Co., Inc. of Lynchburg was general contractor for the project.

Subcontractors & Suppliers
(Roanoke firms unless noted)

Joe Bandy & Son, Inc. excavating; Land Design Associates, landscaping contractor; Valley Steel Corp., Salem, reinforcing; Coffey Concrete Mix Co., Buchanan, concrete supplier; C&R Masonry Contractors, Lynchburg, masonry contractor; Webster Brick Co., Inc., masonry supplier; Structural Steel Co., Inc., steel supplier/erection/joists/roof deck & miscellaneous metal; South Roanoke Lumber Co., carpentry & wood doors; E. S. Chappell & Son, Inc., Richmond, caulking; and Consumers/Dorrin-Adams, Inc., Lynchburg, built-up roof, roof insulation & sheet metal.

Also, Pritchard Paint & Glass Co., Durham, NC, glazing contractor; Augusta Steel Corp., Verona, metal doors & frames & hardware supplier; A&H Contractors, Inc., plaster contractor; Standard Tile Co., Inc., Verona, ceramic tile; O’Ferrall, Inc., Richmond, acoustical treatment & resilient tile; The Floor Show, Inc., Lynchburg, carpet; L. R. Brown, Sr. Paint Co., painting contractor (Devoe Paints); M. L. Jones, Bedford, special wall finish; Roanoke Engineering Sales Co., Inc., specialties; Schalow Mfg. Co., Inc., Richmond, specialties; J. H. Pence Co., Roanoke, equipment; Hajoca, plumbing fixture supplier; Air-O-Matic, Inc., plumbing/heating/ventilating/air conditioning contractor; Wesco, electrical equipment supplier; and Hensley Electric, Inc., electrical contractor.

Subcontractors & Suppliers
(Richmond firms unless noted)


Others were: Roanoke Engineering Sales Co., Inc., metal doors & frames, toilet accessories & lighting fixtures, VA Sheet Metal, Inc., heating/air conditioning contractor; Wesco, electrical equipment supplier; Schalow Mfg. Co., Inc., Richmond, specialties; J. H. Pence Co., Roanoke, equipment; Hajoca, plumbing fixture supplier; Air-O-Matic, Inc. plumbing/heating/ventilating/air conditioning contractor; Wesco, electrical equipment supplier; and Hensley Electric, Inc., electrical contractor.

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- Autumn and apples — gilded leaves crunching underfoot and the aroma of apples simmering on a stove, the two go hand in hand. Consumers can get a hand in the apple harvest by visiting Virginia’s 35 pick-your-own apple orchards for apples at the peak of flavor and fall foliage at the peak of beauty.

Directories listing the participating orchards in the areas of Amherst-Nelson Counties, Roanoke and Northern Virginia are now available from the Virginia Department of Agriculture and Consumer Services. Free copies may be obtained by writing: APPLES, VDACS-Division of Markets, 203 N. Governor Street, Richmond, VA 23219 or by calling (804) 786-3951.

Maybe you missed some of your favorite pick-your-own crops because the summer heat wave kept you inside with the air conditioning. However, the sunny weather has produced apples with a distinctive sweetness and excellent size and quality. So, with cooler weather around the corner, now is the time to plan your “apple outing.”

The orchards are offering both pick-your-own and fresh-picked apples in such popular varieties as Red and Golden Delicious, Winesap, York, Rome and Stayman. But there are other attractions, too, such as apple cider and apple butter-making demonstrations and local apple harvest festivals. At some orchards, you can picnic as well as pick, while you enjoy the lovely fall scenery. Look for these individual orchard features in the pick-your-own directory listings when you are checking harvest dates.

When you bring your bounty of apples home from the orchard, refrigerate or store them in a cool place as soon as possible. Then refer to another handy VDACS publication, “How to Enjoy Virginia Apples in the Old Dominion Tradition,” available free from the above address. It contains helpful tips on apple varieties and uses, basic preparation and kitchen-tested recipes. If you didn’t get a chance to put up any other produce this summer, it’s not too late to can or freeze some apples, and this brochure tells you how to do it. In thinking of what else to do with that bushel, remember that apples are a naturally sweet and economical snack food which can be enjoyed without additives. That’s a definite advantage over those snacks which require lots of added sugar, especially with today’s escalating sugar prices.

No matter how you enjoy them, when you pick Virginia apples, you pick the best.

NVBA Reaffirms Safety Commitment

- Recent news reports concerning federal vs. state jurisdiction over construction safety regulatory functions, and the building industry’s attitude toward worker safety, has representatives of the Northern Virginia Builders Association President. Stressing the industry’s record position on safety, Boyer stated “we not only support, we voluntarily comply with measures which safeguard the health and safety of our work force. Any member of the Association who willfully and knowingly disregards potentially serious hazards and is convicted of the same will be suspended from the Northern Virginia Builders Association,” Boyer said. “Anything less than compliance with reasonable safety measures is not tolerated by the builders association.”

A decision on whether state or federal authorities ultimately gain jurisdiction to regulate under the Occupational Safety and Health Insurance Act (OSHA) is an issue out of the hands of the building industry, Boyer said. “I sincerely hope that a resolution is reached so clearly placing the ultimate responsibility with one agency or the other.” The industry is most concerned with the need for a review and overhaul of the Act’s standards which would establish categories to deal with violations according to their severity. “There is a vast difference,” Boyer said, “between inadequately shored trenches and whether or not a first aid kit contains the required number of band-aids. Expensive job shutdowns should be initiated or where clearly identified and potentially serious violations occur which could result in death or serious injury to workers.”

Boyer pointed out that the Northern Virginia Builders Association supports Fairfax County through the action of trained inspectors to ensure that the required number of band-aids exist; “the job supervisor can be alerted and corrective action taken. This is particularly important during this interim period while the state or federal authorities are deliberating over who shall have regulatory jurisdiction in Virginia. Through the action of trained inspectors we can only improve on our safety record,” Boyer said.

Correction

Key Fixture & Equipment, Inc., of Lynchburg, furnished Food Service Equipment for the Richard C. Haydon Elementary School, Manassas. This credit was inadvertently omitted in coverage of the project in our April 1980 issue. Our apologies.
Colonial Regiments to March for George Washington's Review

Gadsby's Tavern in Alexandria

Colonial uniformed regiments will fire six-volley salutes to salute their Commander-in-Chief George Washington on Saturday, November 1 at 11 a.m. The review will be staged on the Tavern steps where they will watch reenacted Revolutionary units perform drills and wave banners to the music of fifes and drums.

Gadsby's Tavern Museum will be open from 1 p.m. to 5 p.m. with half-price admission (50 cents) for adults and free admission for children. Cider and cookies will be sold by Colonial-styled docents at the Tavern from 9 to 11:30 a.m. The annual reenactment commemorates Washington's review of Alexandria's Independent Blues and a cavalry unit in early November 1798. War with France was imminent, and the recently retired First President offered his services to the nation. Enroute from Mt. Vernon to Philadelphia, he stopped briefly at Gadsby's Tavern in Alexandria to review military troops he had done in 1774 at the beginning of the Revolutionary War. The war with France never materialized, and Washington died at Mt. Vernon 13 months later in December 1799.

Gadsby's Tavern, the site of the historic reenactment, once provided lodging and meals for stagecoach passengers and travelers. It was a frequent meeting place for Thomas Jefferson, George Mason, the Marquis de Lafayette and other Colonial patriots. It has been restored as a working tavern serving Colonial style food and a museum furnished as an 18th century tavern.

The reenactment will be cancelled if it rains. For more about events, lodging, restaurants and other tourist information, write or phone the Alexandria Tourism Council, 221 King St., Alexandria, VA 22314; (703) 549-0205.

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McRackan, Jr. has joined Meidinger, Inc.'s Human Resource Systems Group as a project manager and senior consultant. Meidinger, Inc., is one of the nation's largest compensation, benefit, and actuarial consulting firms. McRackan, previously a hospital administrator for Hospital Corporation of America (HCA), received an undergraduate degree in Labor Economics from Newberg College, and a Masters in Hospital Administration from Xavier University.

McRackan will be located in Meidinger's Richmond office.

Thank You!

VIRGINIA RECORD
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Atlantic Research Plans Major Expansion At Gainesville Plant

- Mr. W. G. Hamm, Vice President of Atlantic Research Corporation and General Manager of the company’s Propulsion Division, and Mrs. Kathleen Seefeldt, Chairman of the Prince William County Board of Supervisors, announced plans for a significant expansion of Atlantic Research Corporation’s Pine Ridge Plant at Gainesville. The Pine Ridge Plant is the headquarters of the Propulsion Division, and is the division’s principal engineering, development and manufacturing facility for solid propellant rocket motors. Also located at the Gainesville site is the propulsion-related portion of the company’s Research and Technology Division.

The planned expansion program includes approximately $1,700,000 for a new engineering and office building on a seven acre site immediately adjacent to the present plant on Wellington Road. Approximately $2,300,000 will be spent on new and replacement machinery and equipment in the existing plant, to support new production and development programs. The Prince William County Economic Development Department and the Virginia Division of Industrial Development worked with the company in development of the expansion plan and the financing is planned to be in the form of revenue bonds under the authority of the Prince William Industrial Development Authority. Architectural and site planning work will be performed by R. B. Thomas, Ltd. of Manassas.

Atlantic Research solid propellant motors and gas generators are used on many of the country’s significant missile systems, including Trident, Minuteman, MX, Standard Missile, Viper, Stinger, and Tomahawk. It was recently announced that ARC had been selected by the Vought Corporation for final development and production of the rocket motor for the Multiple Launch Rocket System, which has the potential of becoming the company’s largest program.

Hon Company Adds to Richmond Plant

- The Hon Company, manufacturer of office furniture, has announced the opening of a new warehouse addition to its Richmond plant according to Gary Matthews, Vice President and Richmond General Manager and the Virginia Division of Industrial Development. The 68,000 square foot addition has 50% more space than the off-plant leased facility it replaces. If the new warehouse were filled to capacity with Hon’s best selling vertical files and you laid them end to end, they would stretch almost seven miles and be worth more than a million dollars at retail prices, said Matthews. In addition to miles of files, the warehouse will store desks, chairs and other office furniture products made at Richmond and at other Hon plants. The new warehouse will serve as the distribution center for Hon dealers and their customers in the large Northeastern markets where Hon enjoys a high volume of business.

The Hon Company is a division of Hon Industries, Muscatine, Iowa, the parent company of six operating companies serving the office furniture and materials handling markets. The Chesterfield Department of Economic Development was instrumental in giving assistance to the Hon Company.

French Company Chooses Hampton Location

- Valeo Auto Industries, Inc. of Delaware will open a manufacturing plant in Hampton, according to the Virginia Division of Industrial Development. The company will produce automobile parts at its Virginia location. Valeo Auto Industries, Inc.’s American Parent Company is Valeo Inc. It is a part of the Valeo Group of France, formerly known as the Societe Anonyme Francaise du Ferodo.

The new Virginia plant will share space with Soma of America, Inc., a French plant which located in Hampton in 1975 and is also a member of the Valeo group. It is a manufacturer of transmission components.

Production at the new Valeo plant was expected to be underway in September of year.
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You can explore America's great indoors along the James, too, as it flows back to the golden age of the plantation in room after room filled with antiques and memories. At Shirley, home of the Hill-Carter family for nine generations. At Carter's Grove, "the most beautiful house in America." At Berkeley, where Thanksgiving began in 1619.

You can visit the oldest brick house in English America—Adam Thoroughgood built it near Norfolk 350 years ago. Or you can go north along the Potomac to Stratford Hall, home of the Lees', and on to George Mason's Gunston Hall. But wherever you go, from Patrick Henry's Red Hill to the Fredericksburg home of Washington's only sister, give yourself time.

Time for winding garden paths, mountains blazing with crimson and gold, and beaches still warm with the last of summer. Time for roadside shops, lush green eighteens, and feasts of ham and peanut soup. Time to savor whatever you love.

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<td>Al-Steel Fabricators, Inc</td>
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<td>American Mechanical, Inc</td>
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<td>American Window Products, Inc</td>
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<td>Andrews &amp; Parrish Co.</td>
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<td>Augusta Steel Corp</td>
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<td>Baird Drywall &amp; Acoustic, Inc</td>
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<td>Baughan Construction Co., Inc</td>
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<td>Binning's Building Products</td>
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<td>W. W. Boxley &amp; Co.</td>
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<td>Brick &amp; Tile Corp. of Lawrenceville</td>
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<td>H. T. Bowling, Inc</td>
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<td>Buckingham-Virginia State Corp</td>
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<td>William T. Buckner Jr. Co.</td>
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<td>C &amp; P Air Conditioning Co., Inc</td>
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<td>The Walter E. Campbell Co., Inc</td>
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<td>The Carpet Shop of Lynchburg, Inc</td>
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<td>Communications, Inc.</td>
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<td>P. C. Cooper Construction Co.</td>
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<td>S. B. Cox, Inc.</td>
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<td>Custom Mailers &amp; Consultants, Inc</td>
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<td>Daniels &amp; Ingram Masonry Contractors</td>
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<td>Dover Elevator Co.</td>
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<td>R. L. Dresser, Inc</td>
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<td>J. B. Eurell Co.</td>
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<td>Bill Fabry Reproduction &amp; Supply Corp.</td>
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<td>Franklin Memorial Hospital</td>
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<td>Garrett, Moon &amp; Pool, Inc</td>
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<td>Gregory Construction Co., Inc</td>
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<td>E. T. Gresham Co., Inc</td>
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<td>Hamilton's Floor Fashions &amp; Tile Inc</td>
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<td>Hanover Fabricators</td>
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<td>Thomas Harris &amp; Co.</td>
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<td>J &amp; W Landscaping, Inc</td>
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<td>J. E. Jamerson &amp; Sons, Inc</td>
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<td>James Steel Fabricators</td>
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<td>Kenbridge Construction Co.</td>
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