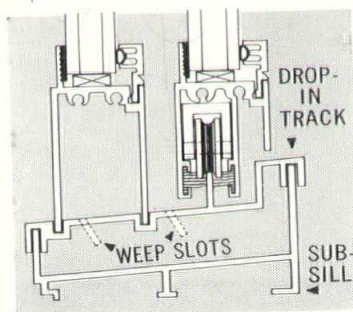


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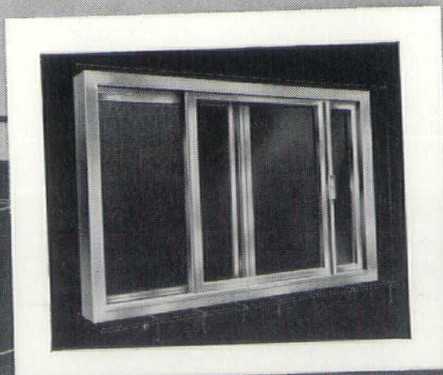
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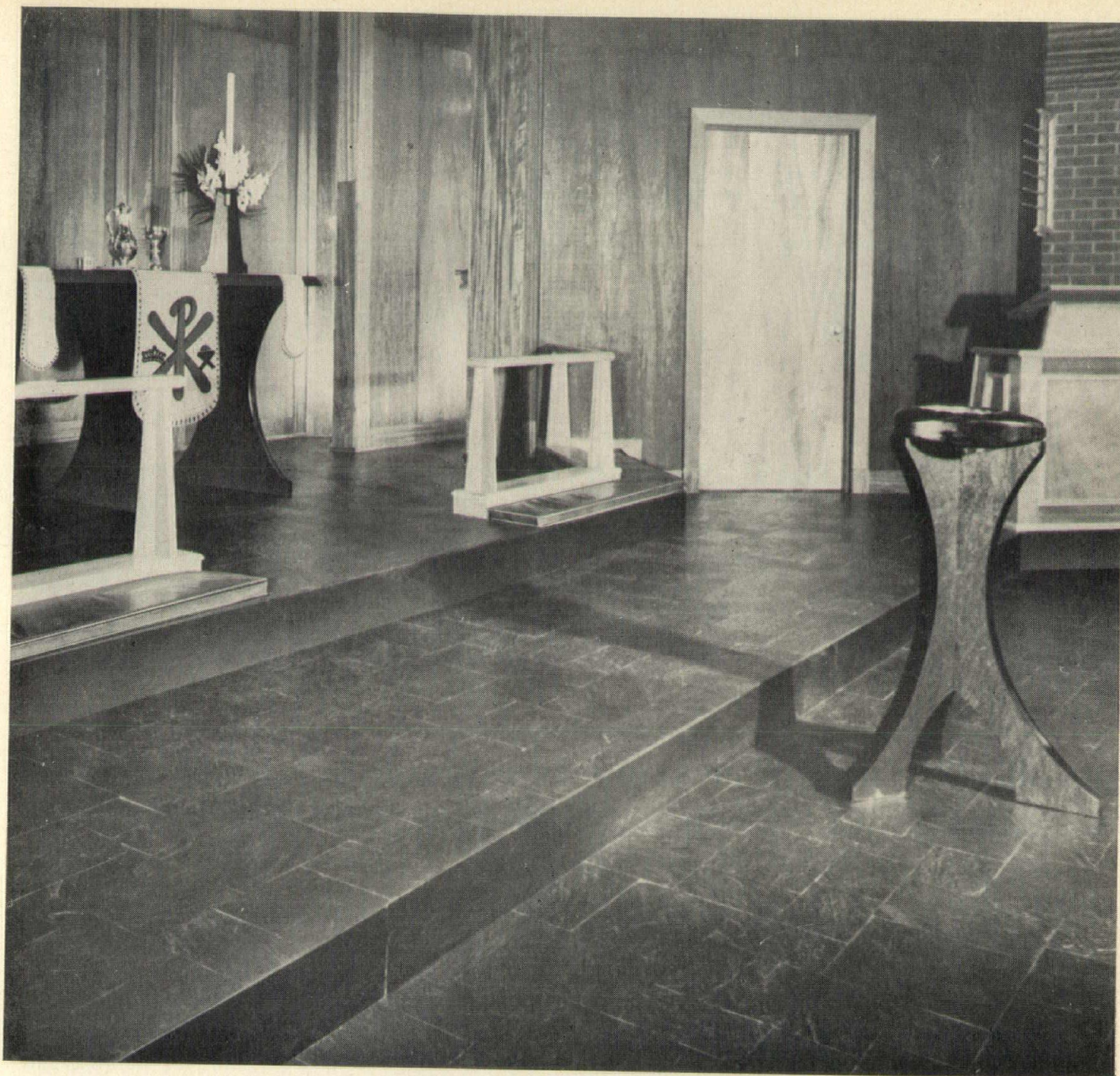
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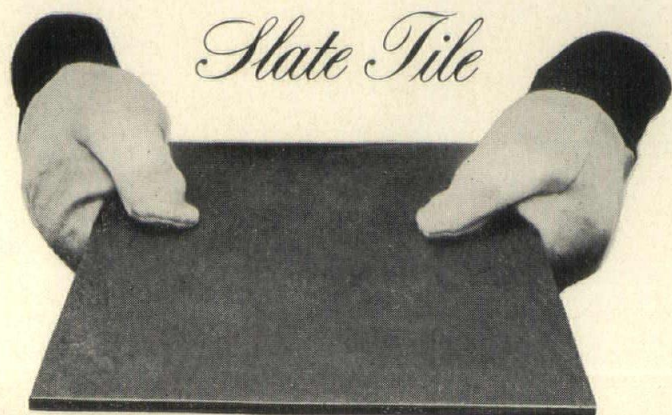
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The Village Mall, Cleveland, Tennessee. Architect: Toombs-Amisano and Wells, Atlanta, Ga. Builder: Rea Construction Co., Inc., Charlotte, N.C.

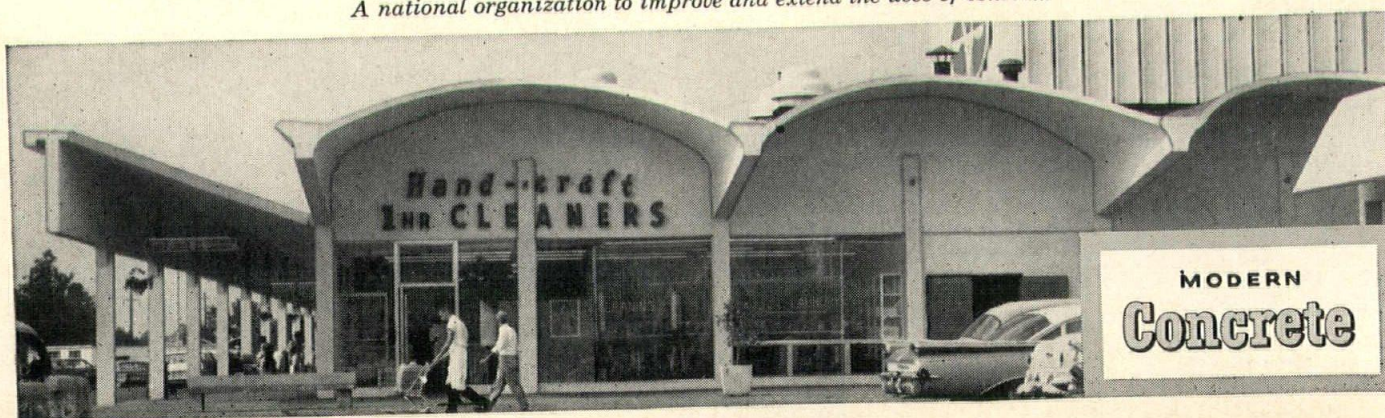
Concrete shells and lattices bring striking beauty to the Village Mall

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VOLUME LXXXV

NOVEMBER 1963

NUMBER ELEVEN

Is There Nowhere To Go Except Back?

AT THE BEGINNING there are two axioms: (1) the public gets what it wants—in government, entertainment, and architecture; (2) an age is characterized by its architecture. To these demonstrable truisms, introduce the frequently heard theory that contemporary America is a schizophrenic society—in the popular meaning of "split personality," or of a society divided within itself. If the American society represents a divided social organism and its people get what they want, then, as architecture reflects the age, it must of necessity itself represent the confused divisions of a society without a singleness of identity—the identity of a living organism in harmony with itself, with its environment and time.

To be perfectly candid, the architect must face the reality that he himself is the product of his own "estranged" society. When an *avant garde* architect finds a client stupid for resisting some extremely modern, "brutal" design, it might well be a question of, "Who's looney now?" The late Jean Cocteau, a creative "original," unsurpassed in his familiarity with the arts, reached the conclusion that "the *avant garde* represents the bourgeois attitude *par excellence*." In no artistic medium is a method of expression necessarily good because it is new and in all media we have dreadful examples of fashions that soon became very old hat.

On the other hand, it is merely recognition of the obvious to state that traditional architecture—that which perfectly represented another age—is not necessarily good, in the sense of being appropriate, for this time. But, since it is the client, and not the architect, who has been responsible for the modest renaissance in Colonial architecture, this trend represents essentially a *negative selection*: the client has selected his only *known* alternative in rejection of what the architect has offered as contemporary architecture.

To the person who is going to occupy it, a building represents immeasurably and indefinitely more than its excellence as an example of what the profession can produce. It should communicate to him a sense of aesthetic pleasure as he responds to aesthetics and a sense of spiritual security. He should feel *at home*, in the deepest sense of the comfort of inner security, within its walls. If he rejects the modern design because it communicates nothing that gratifies his spiritual needs, the failure is not in him but in the architect. Architecturally, he might be benighted to insist upon his preference for a design that was appropriate two centuries ago, but the only way in which he can be saved from this negative selection is for the architect to present him something in contemporary design that meets his inner needs. This has not been done.

The client has not turned back to another time in any critical appreciation of its architecture, and let us assume that he is incapable of qualified judgment of the architecture which he rejects. To take specifically the Georgian architecture whose reproduction was stimulated by the restoration—(Continued on page 91)

TABLE OF CONTENTS

AIA News.....	7
Virginia Wesleyan College.....	14
The Calvert In Alexandria.....	17
Virginia Beach Hotel Expansion.....	18
George C. Marshall Research Library.....	20
Colonial Group Office Building.....	21
William Fleming High School.....	22
St. Stephen Lutheran Church.....	24
Motor Hotel Conversion, Richmond....	25
Lynchburg Fine Arts Center.....	26
Life Insurance Company Offices, Richmond	29
Two Unusual Chesterfield Schools:	
Manchester Senior High School.....	30
Providence Road Elementary School	31
Lutheran Church of the Good Shepherd	32
New Golf Facilities at Va. Beach.....	33
Pleasant View Methodist Church.....	34
Leggett's—Newport News.....	35
Magic City Ford.....	37
Mastin-Coleman Building.....	37
The Architect and "CPM" by Donald L. Strange-Boston	38
Bel Aire Arms Apartments.....	40
Diplomat Motel, Virginia Beach.....	40
Engineers Celebrate Formal Opening..	41
J. C. Penney Outlet in Lynchburg.....	42
Randolph-Macon Dormitory-Dining Hall	43
West End Orthopaedic Clinic.....	45
American Bank & Trust, Suffolk.....	46
Two Projects by Cooper & Auerbach..	47
Ferrum Junior College Expansion.....	48
Richard T. Yates Elementary School..	50
Shipbuilding Employees' Credit Union	50
Memorial Public Library, Martinsville	52
Martinsville Office Building.....	53
Enderly Heights School.....	54
Richmond Travel Agency.....	55
V.P.I. Student Projects.....	56
Air Conditioned High School.....	59
Trovato Office Building.....	60
Davidson's Charwood Shop.....	60
Fairfax Nursing Home.....	63
Covington Telephone Exchange.....	63
Parking Garage for Richmond Newspapers	65
Navy Exchange Retail Store.....	65
New Bake Shop and Plant.....	66
Index to Advertisers.....	101

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- Dormitory-Dining Hall, Randolph-Macon Woman's College, Page 43.
- J. C. Penney Store, Lynchburg, Page 42.
- Parking Garage for Richmond Newspapers, Inc., Page 65.

NEWS

AIA VIRGINIA CHAPTER

NEW CORPORATE MEMBERS VIRGINIA CHAPTER AIA



JAMES MILLARD GLAVE

Born in Chicago, Illinois on May 13, 1933, he graduated from Henry Clay High School in Ashland, Virginia, and attended Randolph-Macon College for one year. In 1955, Glave received a B.S. in Architecture from the University of Virginia; in 1959 he earned a Master of Architecture Degree from the University of Pennsylvania. He has been a designer and draftsman with Marcus Wright & Son in Richmond since March, 1961.

(Continued on next page)

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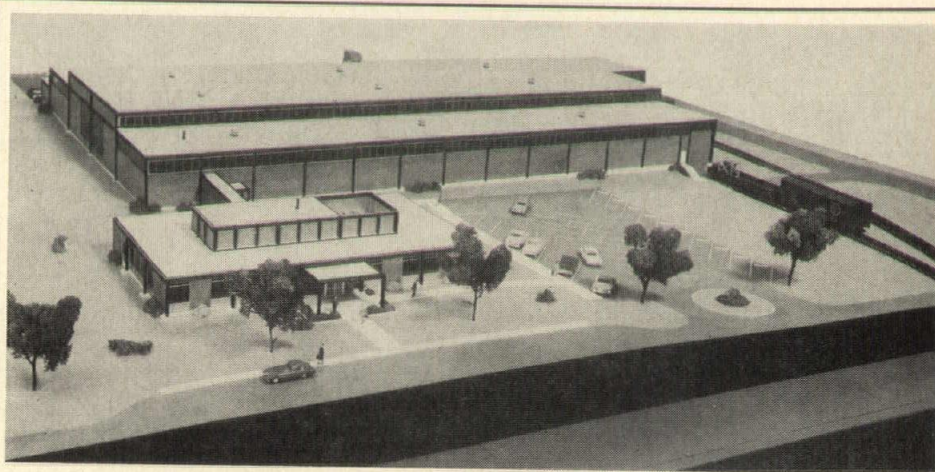
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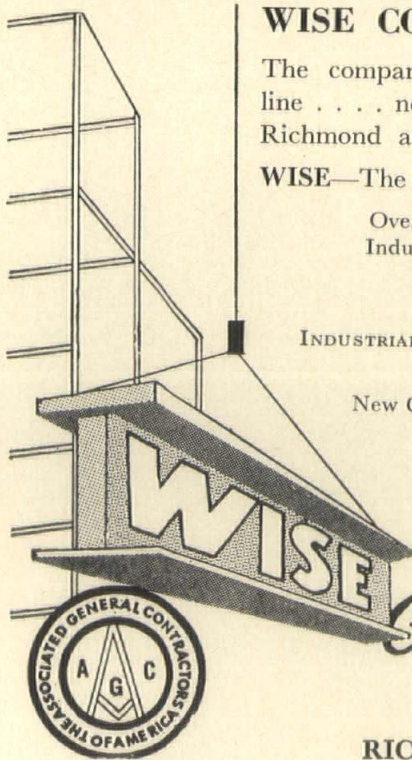
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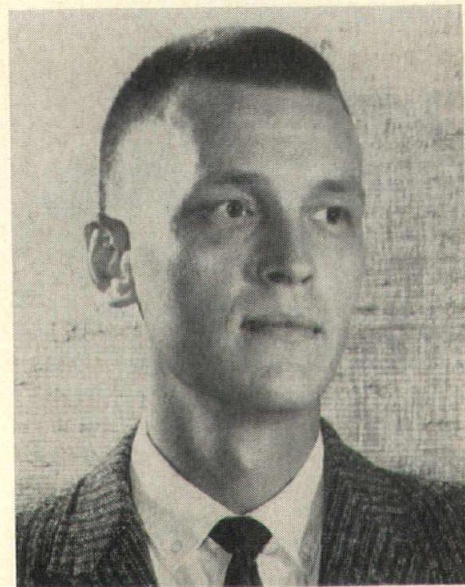


ORGANIZED 1912



JOSEPH GRIGGS, III

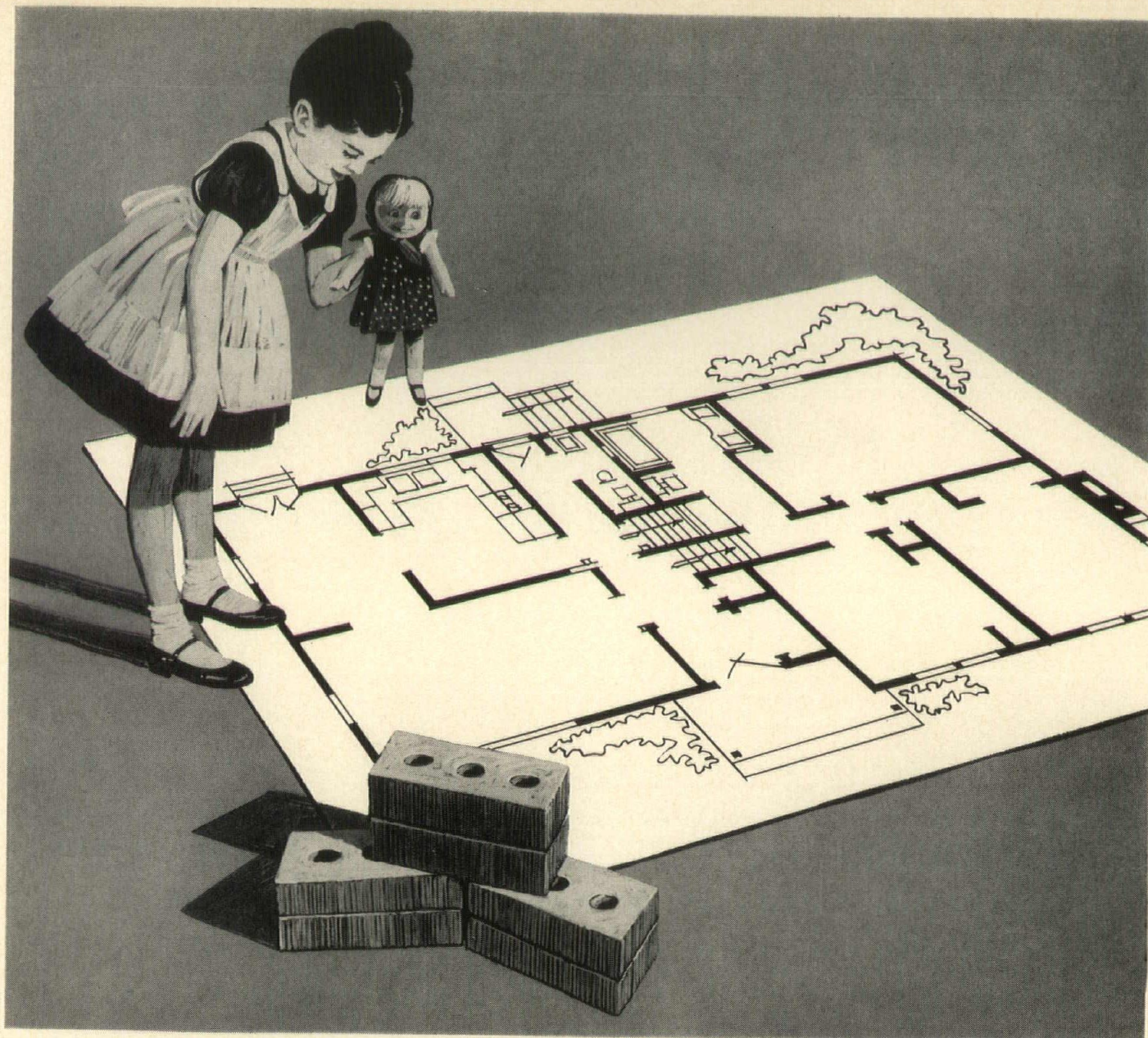
A 1950 graduate from Maury High School in Norfolk, Griggs attended Virginia Polytechnic Institute for three years. He later completed four years of evening college work at colleges in Okinawa, Florida, and at Georgia Tech in Atlanta. [He was an architect with Oliver and Smith in Norfolk since October, 1962.] He has been an Associate Member of the Virginia Chapter, AIA since 1957.



ROBERT DEAN VERNON

A native of Charlottesville where he was born March 17, 1930, he is a 1948 graduate of Lane High School and attended Randolph-Macon College for two years. He later transferred to the University of Virginia where he received a B.S. in Architecture in 1956. He has practiced in Remo, Virginia since September 1960, and became an Associate Member of the Virginia Chapter, AIA in October, 1960.

(Continued on page 11)



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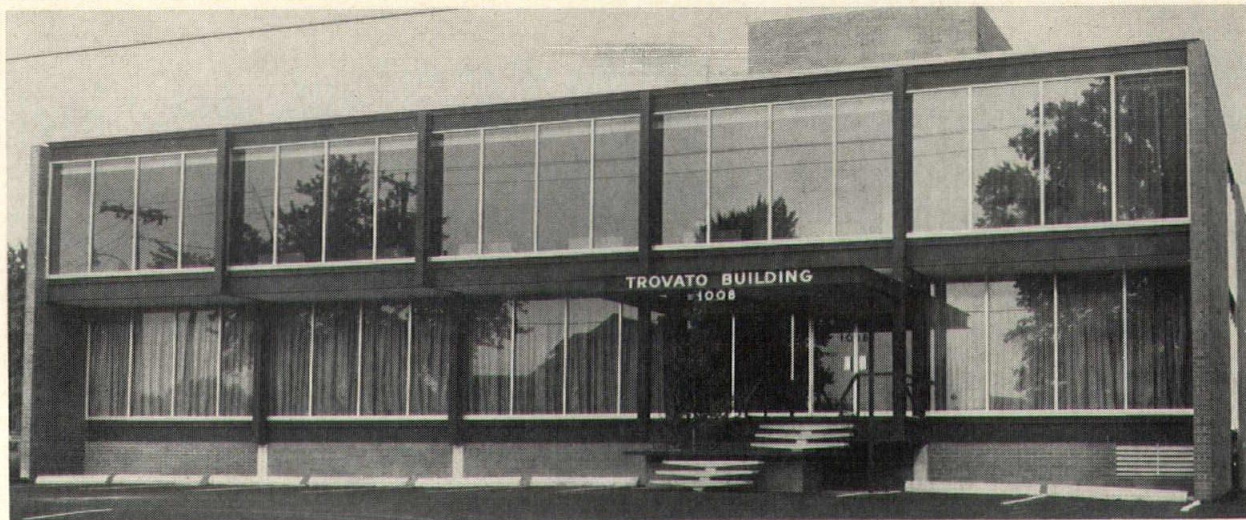
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Woodbridge Senior High School, page 59 and Fairfax Nursing Home, page 63.

MIDDLE ATLANTIC REGIONAL MEETING, ANNAPOLIS

(Photos, courtesy Louis Oliver)

Virginia Chapter AIA President John Owen as he judged the Middle Atlantic Regional exhibits at the October meeting in Annapolis.



One of the panels on "Ugliness and Aesthetic Responsibility" conducted during the meeting.



A. O. Budina, Richmond architect, and Virginia Chapter AIA Executive Secretary head the line at the meeting's buffet.

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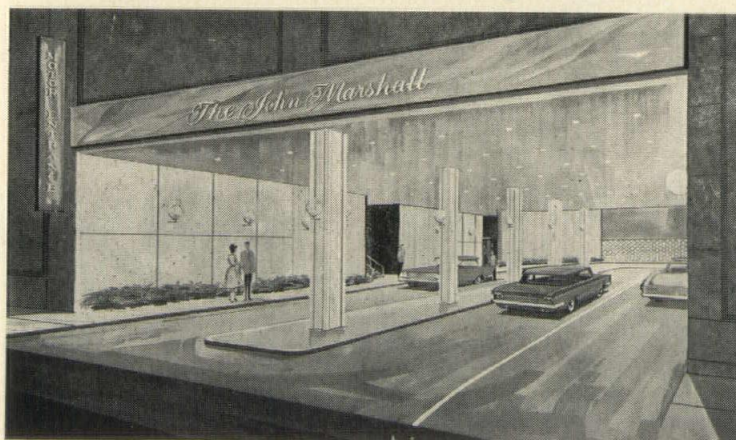
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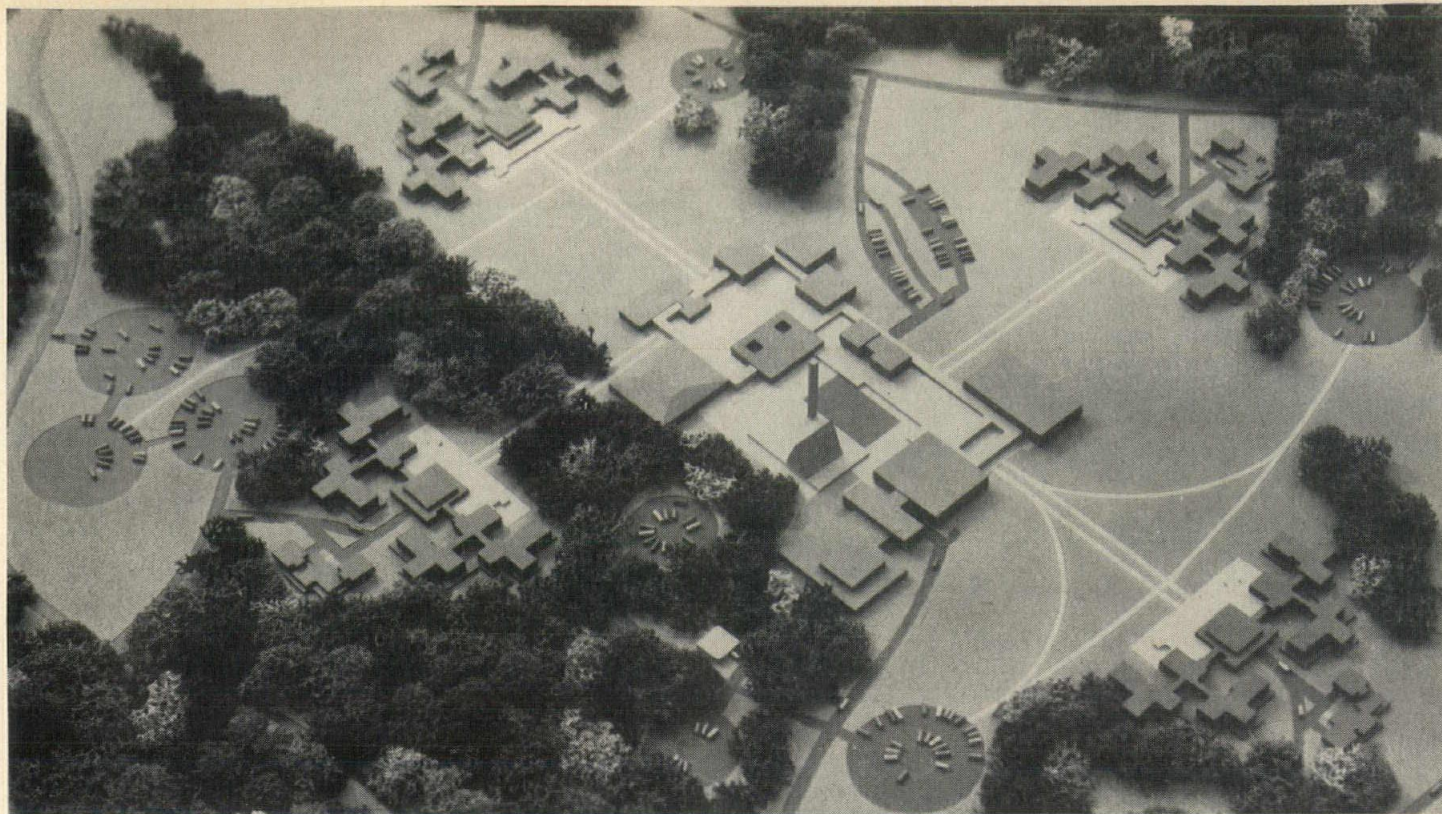
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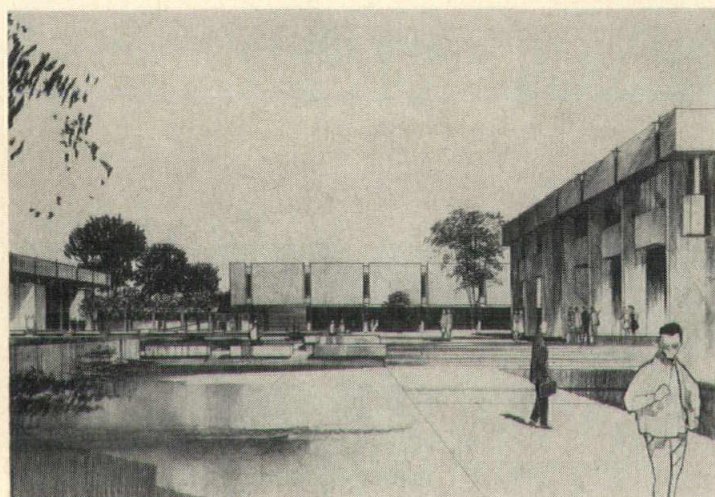
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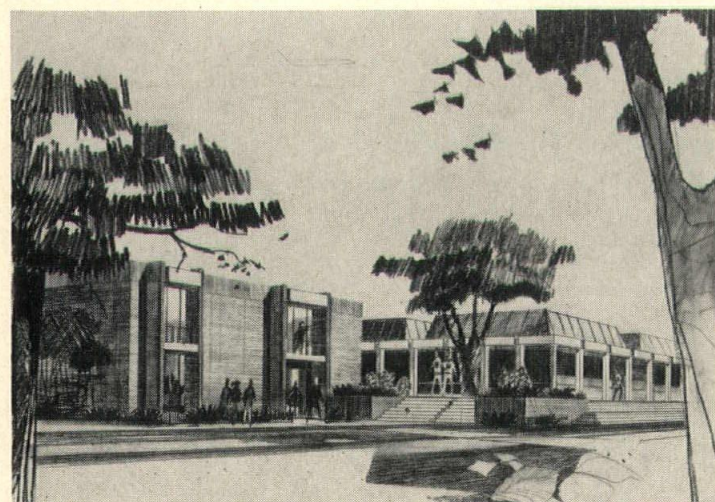
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View of model of new campus



Administration (above) and academic groups (below)

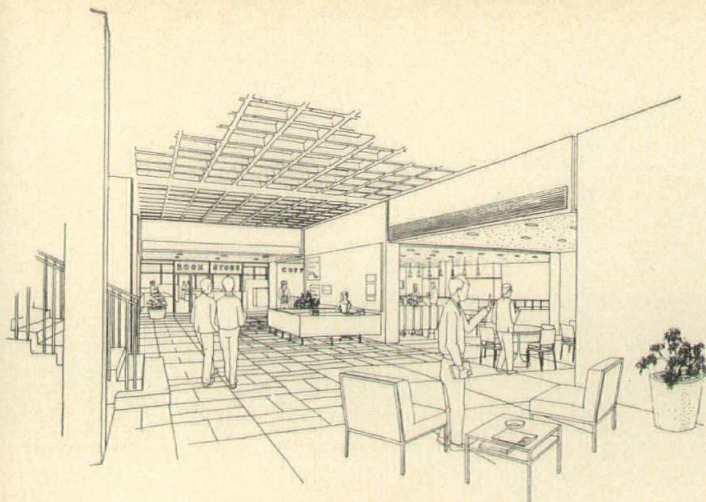


VIRGINIA WESLEYAN COLLEGE

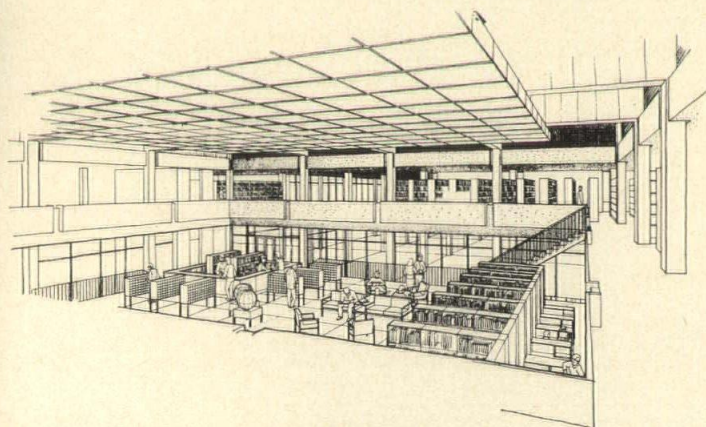
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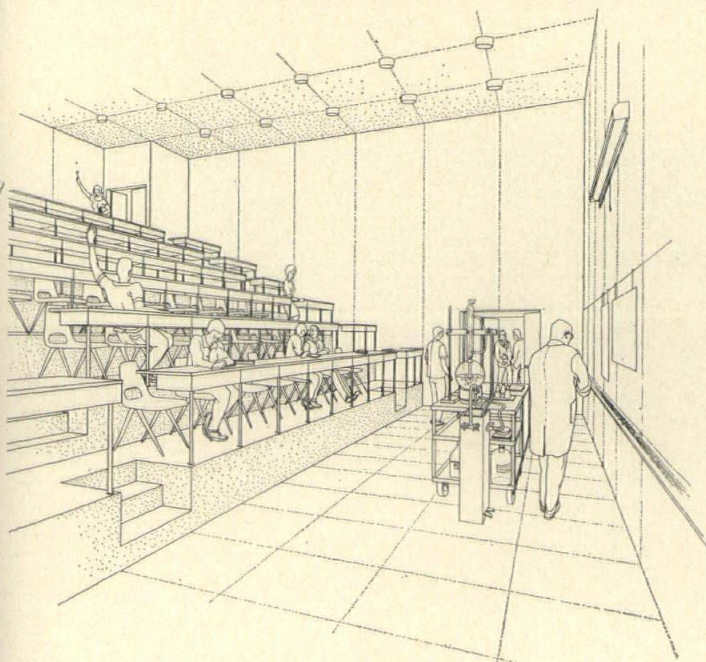
THE VIRGINIA WESLEYAN COLLEGE is a four year, liberal arts, co-educational, campus-type college now being planned under Methodist sponsorship. This College, to be located in the Tidewater area of Virginia, will be the first new Methodist college to be established in the State for over



Student Union



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Science Lecture Room

fifty years. A state wide Methodist campaign for Christian Higher Education has earmarked one and three quarter million dollars for the project, and a three million dollar area wide campaign was scheduled to begin November first of this year. The Campus Master Development Plan and the designs of buildings are being prepared by Shriver and Holland-Perkins and Will, Architects, Norfolk, Virginia.

The College site, consisting of over 300 acres, is wooded and cultivated farmland located in both the City of Norfolk and the City of Virginia Beach. The boundaries of the site are well defined by both natural and man made barriers which serve to buffer the central area of the campus from surrounding development. Taylor Lake, owned by the City of Norfolk, borders the site on the North and West and from across which the developed campus will be visible from Int. Route 64. The lake, woods and fields, which will surround the campus, provide an appropriate scenic setting as well as opportunity for recreational development.

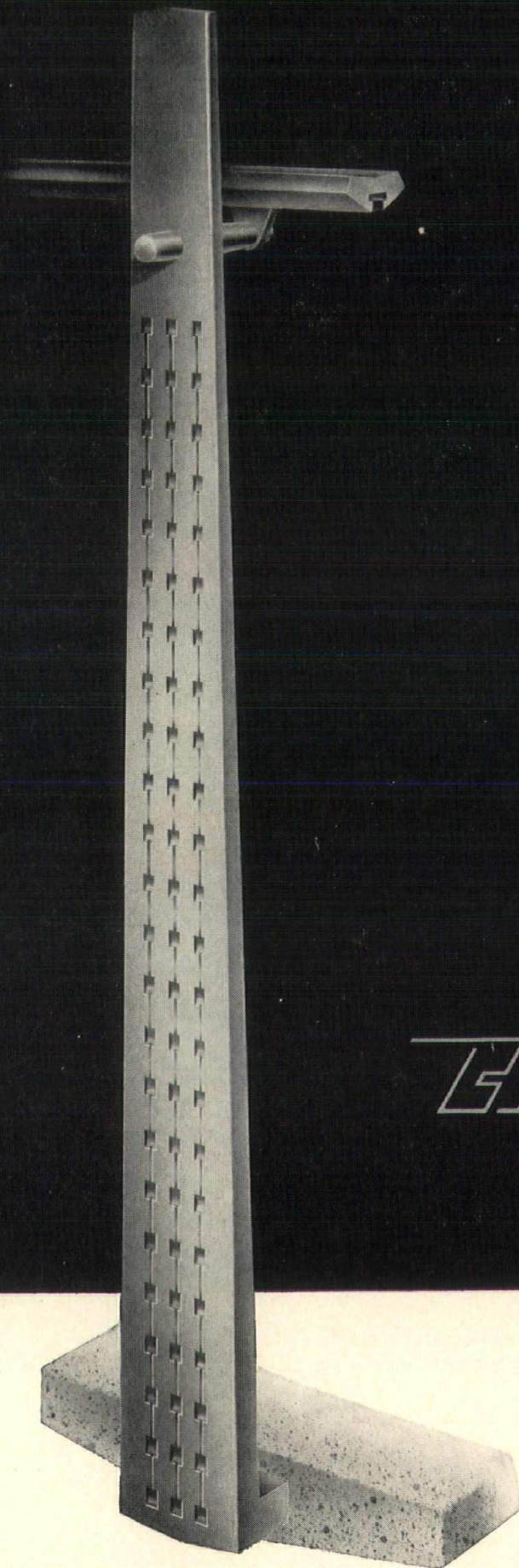
The College is designed to accommodate an initial four year enrollment of 1,200 students, most of whom will reside on campus, and it will emphasize the importance attached to the art of living as well as the breadth of academic training. Teaching spaces not requiring specialized equipment are designed as part of the living areas. The residence of faculty on the campus and amongst the students has been made possible.

The plan places special emphasis on the grouping of students into ideally sized intramural units of 58 known as "houses". Each of these houses is a complex of smaller groups of from 8 to 12 students. Four houses with their classroom and study spaces, dining room, lounges and spaces for married students or faculty, are grouped together to form a "Village"—so named after Thomas Jefferson's Academic Village concept employed in the plan of the University of Virginia. Each Village houses 232 resident students and has study and locker spaces for commuter students to provide total accommodation for 300 students. Each Village will have its own student government and tier of student responsibilities.

Four Villages are arranged around a core of central facilities which provides accommodation for the 1,200 students planned. The core of facilities include Library, Student Union, Gymnasium, Chapel, Administration, Fine Arts, Science and Service buildings. The building elements are grouped around a pool and terraces to provide open and closed courts for informal gathering of students and faculty. These facilities, which together serve the aspects of mental, spiritual and physical development, are related and connected by covered walks. The Library and Union are linked by a bridge-lounge available to each building for informal reading and lounge activity.

A perimeter road system provides access to the campus and is arranged to separate student, faculty and visitor traffic from service traffic. The campus plan is scaled for the pedestrian with a maximum walking time between buildings of four minutes and provides complete separation between pedestrian and vehicular traffic. Heating and air conditioning for the core facilities are supplied from a central service building which also houses the kitchen, storage and utility functions.

The College is planned with space around the core to receive additional buildings to increase scope and capacity, yet remain within the perimeter of Villages. The four Villages are arranged to permit addition of future Villages within the present concept.



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■ The Calvert presents a combination of uses in one building that is unique in the northern Virginia area. The land is in the city of Alexandria and is zoned C-2. This zoning permits commercial and residential uses and the building is designed to combine 17,000 square feet of shopping center commercial space, 9000 square feet of professional office space and 176 apartments.

The sloping topography was utilized in the design to achieve maximum utilization of the land and at the same time provides a separation of commercial and residential uses. The commercial space fronts on Mt. Vernon Avenue and enters from the lower level. The residential space is contained in the

fourteen story tower, placed at right angles to the main facade of the shopping center for the best view, and entered at the second floor level. Residential parking is placed at the second floor level and utilizes the roof of the commercial stores. The apartment lobby is located on the second floor level and is entered directly on grade from the upper parking level.

The building represents a departure from the usual flat elevation high rise structure. Executive efficiency apartments cantilever six feet beyond the main building facade. The roof of these units form the balcony for apartments above. Other balconies are of

(Continued on page 76)

Architect

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Pollin Development Corp., the general contractor, did the carpentry and paneling. Also included were Moses-Ecco Co., Inc., foundations, concrete; Atlantic Masonry Co., Inc., Silver Spring, Md., masonry; Max Greenwald & Sons, Inc., Bladenburg, Md., roofing; Reynolds Metals Co., windows; Walsh & Koehler Glass Co., Inc., Mt. Ranier, Md., glazing; Bilton Insulation & Supply, Inc., Arlington, insulation.

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VIRGINIA BEACH HOTEL EXPANSION

AMERICANA MOTOR LODGE, newest resort hostelry designed by Oliver and Smith, AIA, Architects, opened its premier season this summer at Virginia Beach to a capacity "house".

The six-story building is L-shaped with staggered rooms and balconies giving all guest rooms an ocean view. Over half of the ground area under the building are open terrace areas providing shade cover for the guests, and increasing the lounge area surrounding the swimming pool.

Each of the guest rooms has its own private foyer which opens to a large vanity bath, and to a spacious bedroom and private balcony.

Ten of the 65 rooms are equipped with efficiency kitchen units, and are interconnected with adjacent bedrooms for family use.

To provide storm and wind protection on the exterior north access corridor a sawtooth six-story window wall was designed, using amber colored wire glass and continuous wood fins. The natural light transmitted by the glass gives a pleasant feeling of sunlight on a northern exposure.

The principal design feature of the

building is the six-story glass tower lobby fronting Atlantic Avenue. Here the activity of guest traffic coming and going to the high speed elevator is viewed day and night, by the arriving guest coming from the north or south approaches. A landscaped approach walk to the ground floor entrance has as its design counterpoint a colored fountain seen through the lobby as one enters the building.

White face brick is the dominant building material, with accent inset stripes of brown brick. All balcony railings and other trim are surf blue. The five story signs on the north and southwest corners of the building are white translucent plastic with red embossed letters 2½ feet high.

The Sir Walter Hotel adjacent to the Americana has been remodeled, refurbished and renamed the Americana Motor Inn, giving the combined facilities 178 guest rooms—the largest motor lodge on the Virginia Beach oceanfront. Dining, club and other facilities for social activities are available for the Americana guests.

The Americana is operated by the Atlantic Sands Corporation under the management of Mr. John M. Gates.

Haycox Construction Co., Inc., Virginia Beach, the general contractor, did the work on excavating, foundations, concrete and carpentry. Principal subcontractors and suppliers, included the following:

Welch Pile Driving Corp., Virginia Beach, piling; Colonial Block Co., Norfolk, block supplier; Southern Materials Co., Inc., Virginia Beach, masonry supplier; Snow, Jr. & King, Inc., Norfolk, masonry contractor; Norfolk Iron & Wire Works, Inc., Norfolk, steel; Lift Slab Corp., New York, N. Y., lift slab roof deck; Fowler Roofing Co., Inc., Norfolk, roofing.

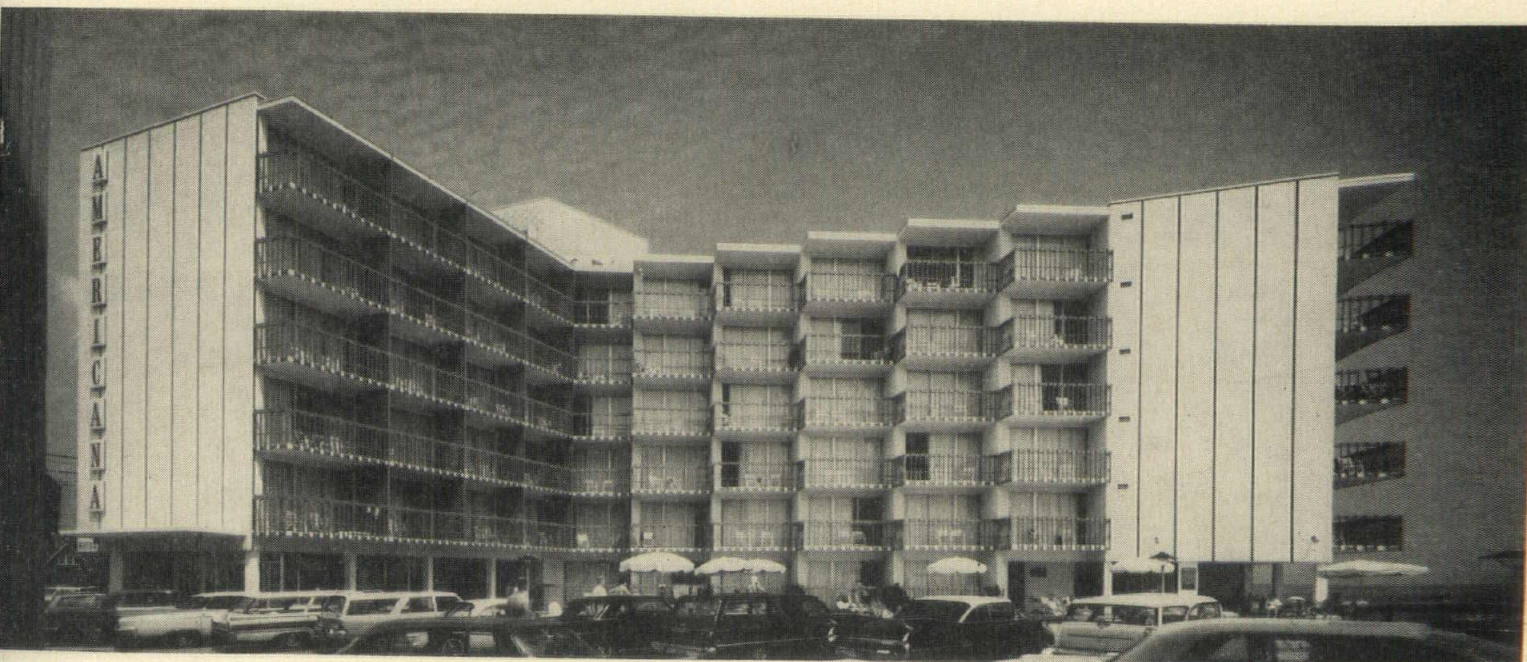
Walker & Laberge Co., Inc., Norfolk, windows, sliding door, glazing; Shaw Paint & Wall Paper Co., Inc., painting, plastic wall finish; Ceramic Tile of Va., Inc., Virginia Beach, ceramic tile; McL. T. O'Ferrall & Co., Norfolk, asphalt and vinyl tile; Febre & Co. of Norfolk, Inc., plaster, acoustical; Seaboard Paint & Supply Co., Inc., Norfolk, hardware.

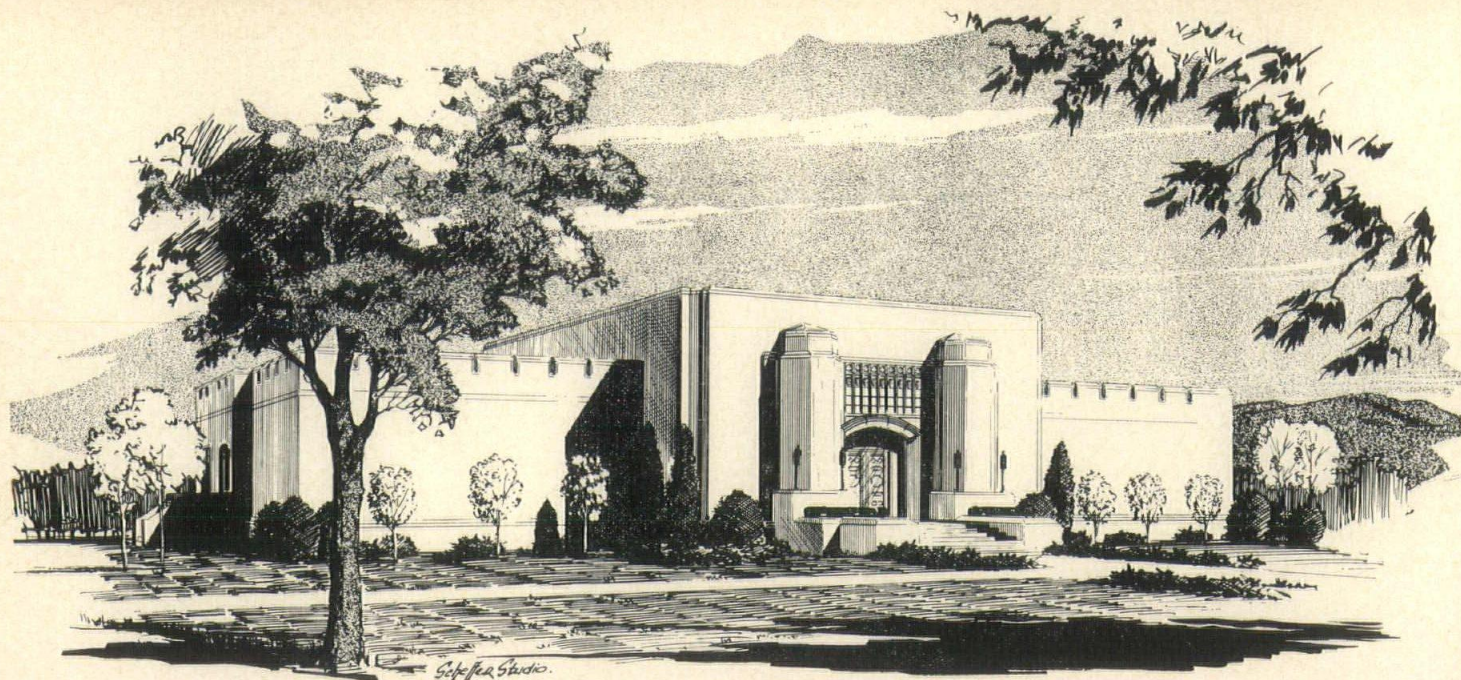
Portsmouth Lumber Corp., Portsmouth, millwork; Hall-Hodges Co., Inc., Inc., Norfolk, steel doors and bucks; Princess Anne Plumbing & Electrical Suppliers, Inc., Virginia Beach, lighting fixtures, electrical work, plumbing fixtures, plumbing, air conditioning, heating, ventilating; Westinghouse Electric Corp., Washington, D. C., vertical transportation; Asphalt Roads & Materials Co., Inc., Virginia Beach, sidewalks, curbs, gutters.

Architects: OLIVER & SMITH

FRAOLI-BLUM-YESSELMAN,
Consulting Structural
Engineers: VANSANT AND GUSLER,
Mechanical and Electrical

General Contractor:
HAYCOX CONSTRUCTION CO., INC.





George C. Marshall Research Library at V.M.I.

Architect

E. TUCKER CARLTON, AIA

Consulting Architects

ALONZO H. GENTRY, AIA

J. RUSSELL BAILEY, AIA

Consulting Engineers

ROBERT S. SPRATLEY & ASSOCIATES,

Mechanical & Electrical

WILLIAM T. ST. CLAIR

Structural

General Contractor

B. F. PARROTT & CO., INC.

● Overlooking Parade and facing the Barracks at the Virginia Military Institute in Lexington, Virginia, will stand the George C. Marshall Research Library, a memorial to an illustrious son of V.M.I. and a great American statesman, soldier, diplomat, and patriot. Designed as a memorial with a dual purpose, it will house memorabilia of General Marshall in the exhibit areas and provide resource material and documents for research and study in the library areas, making this a working, living memorial rather than just a shrine.

Designed by Alonzo H. Gentry, A.I.A., of Kansas City, the working drawings were prepared by E. Tucker Carlton, A.I.A., Richmond, both Institute graduates. Acting as consultant for the library and exhibit areas was J. Russell Bailey, A.I.A., Orange.

The exterior of the building is of simple design, Mr. Gentry having established thereby a feeling of dignity and serenity so indicative of the man the structure memorializes. The base of random ashlar limestone leads upward to smooth creamy-grey stucco with smooth limestone trim. The simple turrets embracing the massive carved limestone entrance with its molded mahogany doors carry out the basic military Gothic architecture of the Institute. The landscaping of large boxwood, ground cover and the lacy outline of European birch will add the

finishing touches to an important addition to American shrines.

The interior of the building might be subdivided into three basic areas, each important as increments of the whole. The exhibit areas, consisting of the central main exhibit lobby and two large wing rooms, comprise the area to be devoted to exhibition of General Marshall's memorabilia. The central exhibit area with its white terrazzo floor, beautifully grained Lido and Verde Antique marbles and ventilated acoustical ceiling emphasizes the memorial aspect of the building. Utilizing the quite flexible ceiling system used in the Virginia Museum of Fine Arts, the wing exhibit rooms provide the utmost in flexibility for display of documents, paintings, statuary and other mementos of the General's career. As study of his statesmanship and diplomacy has become an important part of the history courses of the modern school, the ground floor contains a

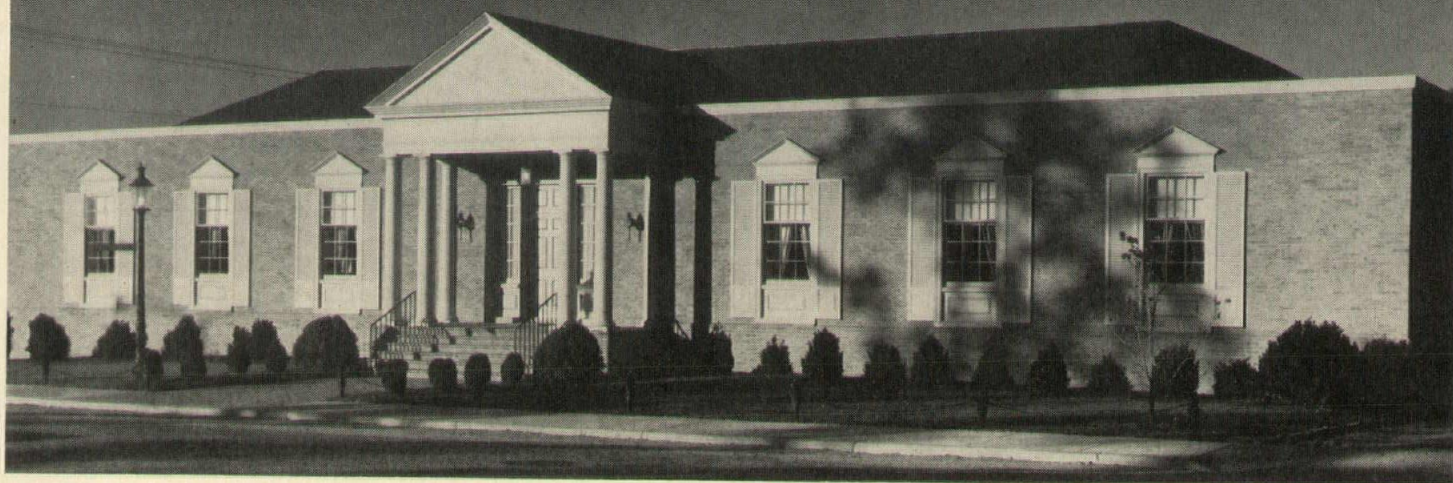
small auditorium facility complete with audio-visual facilities, for use by groups of school children. Here the visitor may get a better understanding of the many facets of General Marshall's career before actual viewing of the museum exhibits.

The research heart of the building lies within the rear wing of the building. The three level security stack room housing the Marshall papers occupies approximately twenty-five percent of the area. An additional three level stack room provides storage facilities for papers, books, and other materials not requiring maximum security control. Both stacks are set around the librarian's space to provide maximum flexibility in servicing the students and researchers who will use the facilities offered. The main library reading room is completely walled with cases. Done entirely in American walnut and with the latest ventilated acoustical ceiling, it provides a quiet but majestic space. Private carrels for use by individual researchers are immediately adjacent to the library, and, one room, on the third stack level, is large enough for a team of researchers working together, all in complete privacy. All spaces are sound-proofed and air conditioned.

Operating offices for both the George C. Marshall Research Foundation and Directorial staffs, work rooms, and storage spaces are provided in the third

(Continued on page 85)

Colonial Group Office Building



MARCELLUS WRIGHT & SON — Architects

THOMAS SMITH—Mechanical Consultant

HENRY W. ROBERTS—Structural Consultant

LEO GRIFFIN—Electrical Consultant

RUSSELL B. BLANK—General Contractor

• The erudite *Architectural Forum* published an article in its September issue dealing with, "new, traditional architecture." Referring to, "... Virginia where the traditional and Modern flourish side by side..." authors Henry Hope Reed, Jr., and H. Stanhope Bryant, Jr., apparently betray a bit of their own emotion in their selection of lower case and capital letters in that statement.

"For the visitor, it must be confessed, there is something refreshing to find dark red brick vying with glass; Richmond, at least, is not one more repetition of the Modern which has given most American cities a somewhat commonplace appearance."

Such, then, is the design philosophy of the new headquarters office building for Colonial Group, Inc.

Designed by Marcellus Wright & Son, Architects, the building frankly plays on the corporate name in search for a visual image. Executed in exquisite Colonial detail, the commission was somewhat demanding upon the architects, for even though the practice of the firm has extended over 50 years, encompassing several earlier decades of heavy emphasis on Colonial design, competent craftsmen in this idiom are

somewhat scarce today.

The new office building, situated alongside Richmond's major west-end regional shopping center, Willow Lawn, is rectangular, 60 by 108 feet. It is one story high, has exterior walls of a pink Virginia brick, a Virginia slate roof and wood double hung windows.

Completely air conditioned and heated with an air to air system, the interior of the building is furnished in a quiet and refined contemporary manner. Containing 6200 square feet, it is divided by plastered partitions into functional office space.

The building contains a Colonial paneled reception room with walnut parquet floor, acoustical plastered ceiling and antique furniture. The clerical spaces within the office are separated from each other by glass partitions. The floor in these areas is of vinyl asbestos tile and the ceilings are also of acoustical plaster.

The conference room also has paneled walls, walnut parquet floors and acoustical plaster. There is an electronic data processing area which is treated acoustically to deaden the sound from the machines. There is an employees' lounge complete with built-in kitchen.

SUBCONTRACTORS & SUPPLIERS

(All of Richmond)

RUSSELL B. BLANK, general contractor:
Excavating, foundations, concrete work, carpentry

SOUTHERN BRICK & SUPPLY CO., INC.
Masonry

R. WILLISON ROOFING CO.
Roofing

ECONOMY CAST STONE CO.
Stone work

H. BECKSTOFFER'S SONS
Paneling, millwork, windows

BINSWANGER GLASS CO., INC.
Glazing

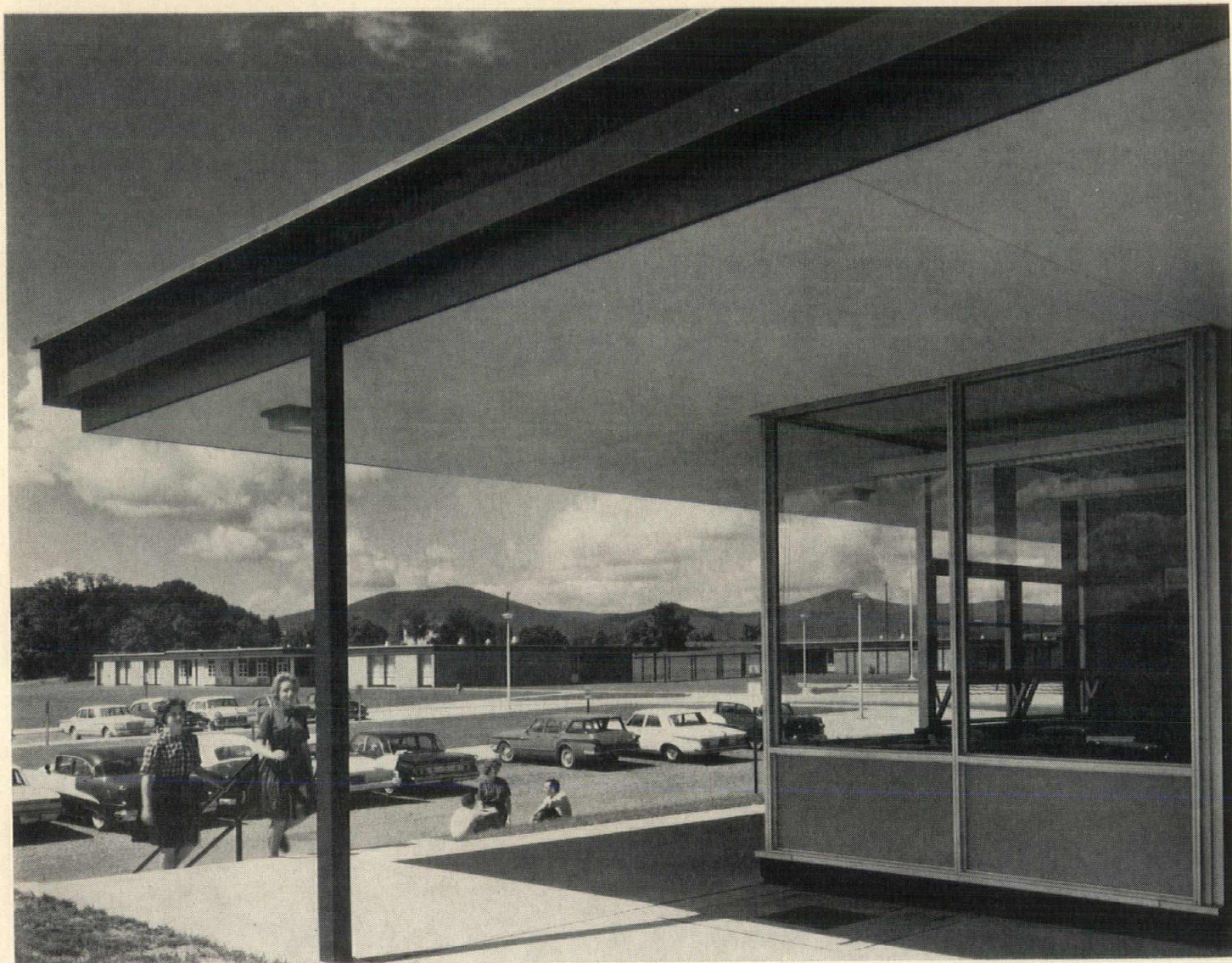
A. L. HOBBS
Painting

McL. T. O'FERRALL & CO.
Ceramic and resilient tile

UNION ELECTRIC CO.
Electrical work

J. W. THURSTON
Plumbing

R. E. ORCUTT CO.
Air conditioning



William Fleming High School In Roanoke

● The William Fleming High School is situated on a 50 acre site located outside of, but in close proximity to, the section of the city which the school serves.

As a result of more than a year of concentrated study, professional educators, school board members and other citizens reached agreement that the achievement of excellence will be facilitated by organizing pupils in academic groups of approximately 400.

Hence, the campus-plan school, designed for an initial enrollment of 1200

pupils, is divided into three academic units of 400 pupils each.

Each academic unit has its own faculty, administrative and supervisory head, academic and science classroom units. Upon entry into high school a pupil is assigned to one of the units and this unit remains his "home base" throughout his high school career. A major part of the student's work is done in the unit with the same group of teachers.

A special feature of each academic unit is a general education lab having a floor area of approximately 3,000

square feet. The general education lab provides a place for large group instruction, individual study (special furniture is provided for this purpose) and also serves as the common area for the unit. Offices, conference rooms, and storage facilities are provided immediately adjacent to the general education labs.

The central facilities are sized to accommodate an additional academic unit of 400 pupils. The central facilities include the electives building housing classrooms and laboratories for business education, home economics,

art, band and choral room, and a combination dining-auditorium; the physical education plant, and the circular administration and library building.

The buildings are generally steel frame construction. The walls are panels of face brick on concrete block back-up, and curtain walls embodying glass, porcelain enameled panels and aluminum frames with aluminum projected type windows. Roofing is built-up type on light weight concrete on steel deck. Floors are of concrete covered generally with resilient tile, except in toilets the finish is glazed tile.

Walls are generally painted masonry. Ceilings are plaster and acoustical tile, and luminous plastic in the library reading room. Heating is by steam from stoker fired boilers through convectors and unit ventilators. Lighting is generally fluorescent.

The contract price was \$1,730,900 including built-in equipment and site work. The unit cost of the building is \$12.50 per square foot.

J. M. Turner & Co., Inc., Salem, the general contractor, did the work on excavating, foundations, masonry, carpentry, painting, plaster, and wood flooring for the gymnasium.

Principal subcontractors and suppliers, from the Roanoke-Salem area unless otherwise specified, were as follows:

Roanoke Ready Mix Corp., concrete; Webster Brick Co., Inc., masonry supplier; Roanoke Iron & Bridge Works, steel; Inland Steel Co., Milwaukee, Wisc., steel roof deck, walkway steel deck; John W. Hancock, Jr., Inc., steel joists; Valley Roofing Corp., roofing, waterproofing; Roanoke Engineering Sales, Inc., (Coast Line) steel doors and bucks, (Ware Lab's) window walls; Pittsburgh Plate Glass Co., glazing; Dean Painting Co., Inc., plastic wall finish; Stark Ceramics Co., Canton, Ohio, structural tile.

E. V. Poff & Son, Inc., ceramic tile and quarry (Mid-State, Carlyle); W. Morton Northen & Co., Inc., Richmond, resilient tile (Bonafide), acoustical; Valley Lumber Corp., millwork, wood paneling; Bonitz Insulation Co., Greensboro, insulation slab (Perlite concrete); Rusco Window Co., Inc., (Gotham) chalk and tackboards; Montague-Betts Co., Inc., Lynchburg, (Corbin) hardware; Roanoke Iron Works, Inc., miscellaneous metal; John C. Manos, lighting fixtures (Day-Brite); Engleby Electric Co., electrical work; Lowe & Nelson Plumbing & Heating Corp., plumbing (Crane fixtures), heating and ventilating.

to tell the Virginia Story



VIEW OF LIBRARY

**Architects: HAYES, SEAY, MATTERN & MATTERN
CAUDILL, ROWLETT & SCOTT**

Landscape Architect: STANLEY W. ABBOTT

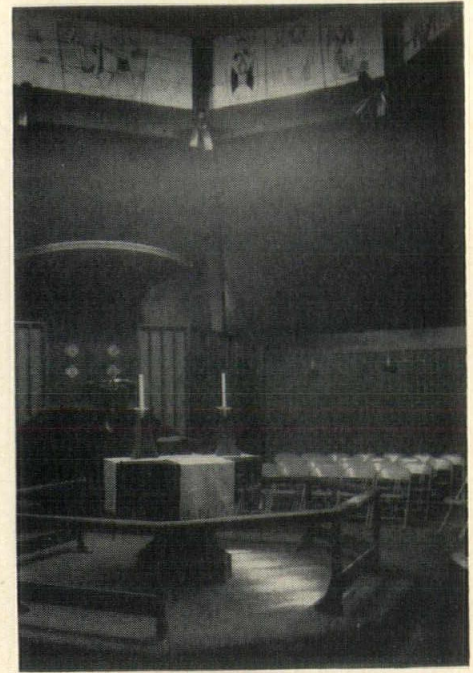
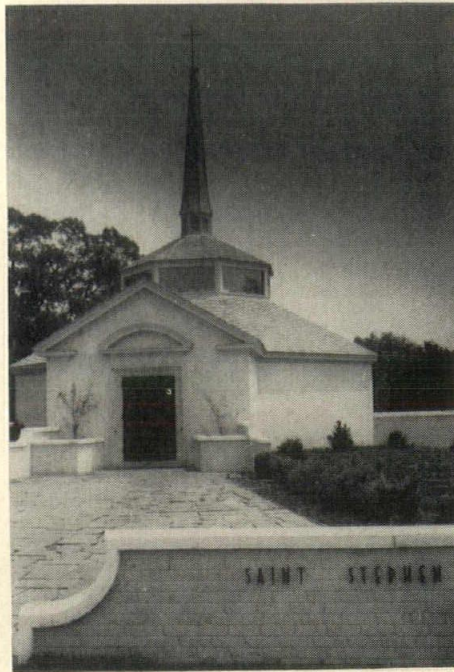
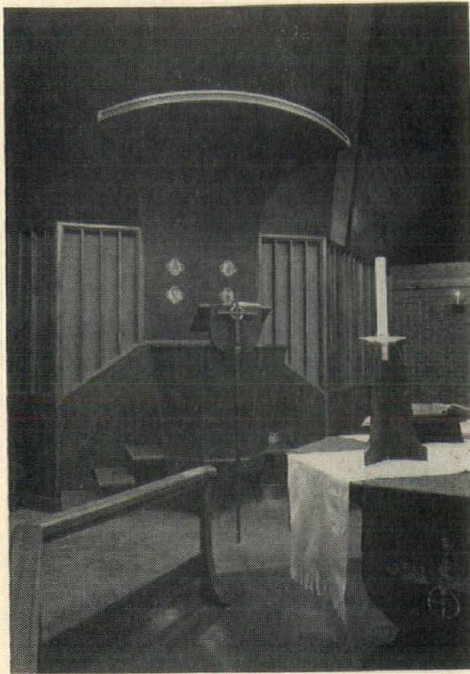
General Contractor: J. M. TURNER & CO., INC.

(Photos by Joseph W. Molitor)

VIEW OF TYPICAL CORRIDOR



Lutheran Church in Williamsburg Follows Jefferson Plan



ST. STEPHEN CHURCH — MILTON GRIGG, FAIA, Architect

HANSON & CRAIG
Consulting Structural Engineers

BRANDT & MORSE
Consulting Mechanical Engineers

J. E. WRAY & COMPANY
General Contractor

• There has just been completed the first unit of an unusual octagonal shaped church to be occupied by the new Lutheran congregation at Williamsburg, Virginia. Designed on an expansible plan by Milton L. Grigg, F.A.I.A., of Charlottesville, the first unit is built around a central altar on a plan which is widely prevalent in contemporary church building even as it was in ancient times. The St. Stephen plan, however, is unique in that it actually carried out a plan developed by Thomas Jefferson in the mid-eighteenth century for a chapel building for William and Mary College, and thus after two hundred years the Jefferson essay on then experimental church forms has been carried out only a few hundred

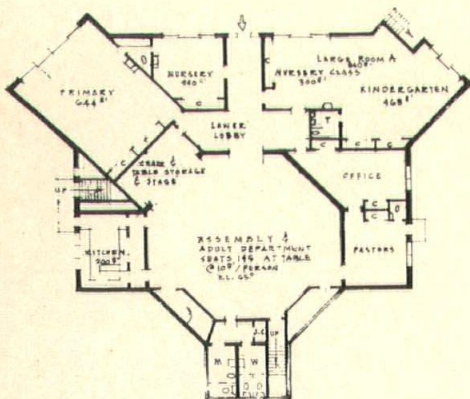
J. E. Wray & Co., of Williamsburg, was general contractor and did the work on excavating, foundations, and masonry.

Other subcontractors and suppliers included Southern Materials Co., Inc., Norfolk, prestressed concrete, concrete; James H. Carr, Inc., Washington, structural wood, prestressed plywood skin pane deck; Hendricks Tile Mfg. Co., Richmond, roofing; Willett Studios, Philadelphia, windows.

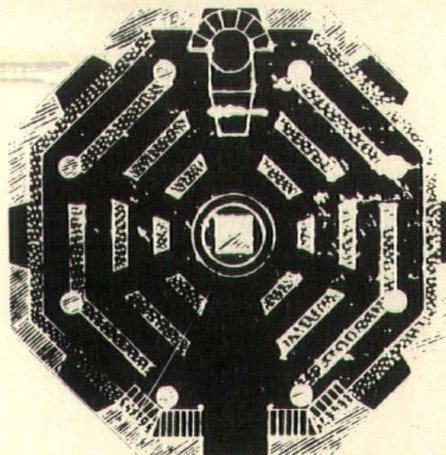
Also, Pittsburgh Plate Glass Co., Newport News, glazing; Thrall Bros., Williamsburg, painting; Chas. R. Gross, Norge, paneling; R. Hugh Haynes Co., Inc., Williamsburg, plumbing, heating (Typhoon heat pumps), ventilating.

feet from where he meant for it to stand. Admittedly, the classical columns and domed roof on which Jefferson would have insisted have been replaced by twentieth century cleanness of line and construction technique, for instead of a masonry coved dome the roof is made of stressed plywood panels and the entire structure is held together with tension rods at the eaves line and compression rings at the base of the tower. Instead of brick vaults which would have been used to support the Jefferson floor, the flooring here is carried on prestressed concrete double tees, and to substitute for the discomfort of the typical eighteenth century church St. Stephen is completely air conditioned winter and summer, employing fuelless electric heat pumps.

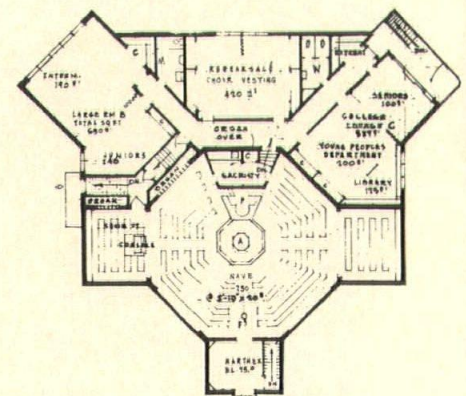
(Continued on page 76)



Lower Level Plan



A plan for reformed worship by Thomas Jefferson for the Chapel of the College of William and Mary (c.1768). Not then built, it now has been adapted for use in a contemporary worship complex a few hundred feet from its originally proposed location.



Upper Level Plan



MOTOR HOTEL CONVERSION IN RICHMOND

• The conversion of the William Byrd Hotel in Richmond to a Motor Inn has recently been completed. Marcellus Wright & Son, who were architects for the original hotel as well as many of the other hotels in the Richmond Hotels, Inc. chain, are the architects for the conversion. This is another step in a major alteration and addition program designed to enable Richmond Hotels, Inc. to continue to serve the area with prime facilities.

The near-west-end William Byrd has been converted to a motor hotel with completely new public facilities including the addition of a covered motor entrance on a recently cleared half

block parking site joining the hotel. At ground level an arcade connects the parking and entry area to the main lobby of the hotel. Opening onto this enclosed arcade are meeting rooms freshly redesigned to accommodate a diversity of occupants. A completely new restaurant, "The Country Kitchen," has been added offering top cuisine.

The space for these additions was acquired by demolishing all store buildings along Broad Street between the hotel and the Capitol Theater. The entire street facade of the ground and second floor level has been redesigned in stone, wood and cast stone. Large glass areas enclose the arcade on Broad Street.

The current program being executed by Richmond Hotels, Inc. will secure for Richmond an unprecedented place amongst cities offering major convention facilities.

Planning for the remodeled facilities involved a reduction in the size of the hotel's lobby to bring it more in keeping with present-day practices in space allocation. The resulting area was incorporated into a combined facility including the new "Country Kitchen" and the Berkeley Rooms, East and West. Sound retarding folding partitions which are stored in a concealed

wall pocket make rearrangement of space in the area simple and efficient. The decor allows the space to be divided in several ways for meetings, other functions, or even as overflow dining space from the specialty restaurant. An extra wide door into the area from the hotel's new motor entrance permits entry of bulky objects or even automobiles for display.

All of the former store front work was replaced with new plate glass framed in Duranodic finished aluminum. The first large scale use of this material in the area, it blends nicely with both the clear plate glass of the north facade, facing Broad Street, and the gray glare and heat reducing plate glass used along the east facade, facing Davis Avenue. Extra thin line heavy plate glass doors were used in the new store front work. Bulkheads are of Nor-Carla Bluestone, which is also used on the walls flanking the new Motor Entrance.

A three lane Motor Entrance provides a highly flexible auto handling facility for guests arriving and departing the hotel. Clearing Broad Street completely of hotel traffic, it provides sheltered loading, brilliantly lighted at night, and creates an important good first impression on the hotel's guests.

(Continued on page 69)

MARCELLUS WRIGHT & SON Architects

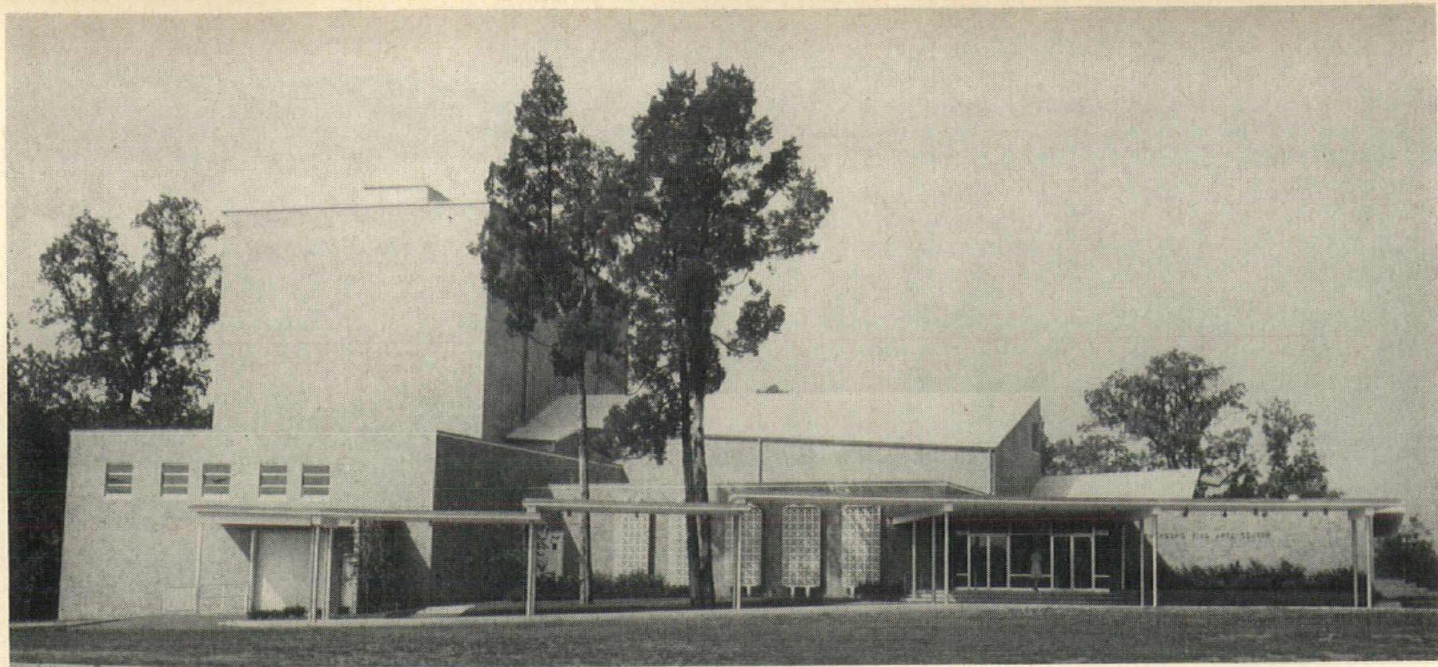
LIPPINCOTT & MARGULIES
(Alvin Schechter)
Industrial Design

THALHIMERS INDUSTRIAL DIVISION
H. E. Glave
Interior Design

WILEY & WILSON
Consulting Engineers
Mechanical and Electrical

WILLIAM J. BLANTON
Consulting Engineer
Structural

BARKER CONSTRUCTION CO., INC.
General Contractor



LYNCHBURG FINE ARTS CENTER

Architect: CARL D. CRESS, JR. and M. LYMAN JOHNSON, Consulting Engineer

Consulting WILEY & WILSON, Heating & Air Conditioning
Engineers: HAROLD BURRIS-MEYER, Acoustical

General
Contractor: C. W. HANCOCK & SONS, INC.

THE LYNCHBURG FINE ARTS CENTER has already become a cultural landmark in the city of Lynchburg, and in many ways, this center is unique for the entire Commonwealth of Virginia.

The corporation was formed six years ago from the Lynchburg Art Center, The Lynchburg Little Theatre, and The Lynchburg Civic Music Clubs. At this time, approximately eight acres of choice land in the geographical center of Lynchburg were owned by the Lynchburg Art Center and a small theatre building located in the downtown area was owned by the Little Theatre. With these resources, the new corporation set out to build a Fine Arts Center for the city, and the facilities achieved have been accomplished entirely by contributions from private individuals, corporations and foundations.

The main entrance of the building is a foyer 20' x 40', where a person can conduct business with the administrative offices, purchase tickets, deposit his coat in the coat room and go either directly to the lobby of the theatre or the gallery. The same beige utility brick that is used for exterior construction forms the walls of this foyer.

The gallery, 28' x 51' in size has a terrazzo floor, walls covered with a heavy fiber board with a laminated vinyl fabric finish, and the ceiling utilizes the exposed prestressed concrete construction as a module for inserts for

hanging of screens or paintings as the case may be. Lighting is accomplished by spot lights on trol-e-duct. The gallery has five large windows on the front, covered with projecting sun screens. However, if a completely windowless gallery is desired, then the interior doors are closed on these windows and with the tack board covering on the doors, the wall is complete for continuous hanging. With the flexibility of the inserts in the ceiling, the movable light fixtures, and the shuttered windows, no two exhibits have been staged in the same manner during the past season.

From the lobby, one can enter the lounge, public toilets, art studio wing and the theatre. From the lounge window wall can be seen a panorama of Lynchburg and the Blue Ridge Mountains miles away. The lounge is also used for meetings and small recitals. With its kitchen facilities, over 100 people can be served a full dinner.

The theatre seats 534 people, has a 40' x 84' stage and a 40' proscenium opening. All lighting controls are located in the balcony at the rear of the theatre as well as the projection facilities. From the sound control, recorded music can be sent to the gallery, foyer, lobby, lounge, and art studios in addition to the normal sound facilities between stage and dressing rooms. The orchestra pit accommodates 20 instruments. Tone chambers on each side

of the proscenium opening have been provided for a future organ installation.

In addition to the above named facilities, the Center includes two large art studios (30' x 40'), one medium size sculpture studio and office and work room facilities allied to this wing. The stage area includes a complete shop, stage level dressing rooms, and gang dressing rooms and wardrobe storage below. A large rehearsal room is located on the terrace level.

The office facilities include general office, with vault for storage of valuable paintings, etc., work room and director's office. The building has been designed so that additional studios and rehearsal rooms can be added. It is also anticipated that a gallery for the permanent collection will be added in the future.

With the exception of the dressing rooms, stage, shop, and studios, the building is fully air conditioned.

The site includes a 164 car parking lot for the general public, a staff parking area to the right, and parking facilities in the rear adjacent to the art studios. The total cost of the project including the building, all interior decorating and furnishings, complete theatre equipment, including seats, stage rigging, lighting and sound, landscaping, paving and architect and engineer fees was slightly less than \$600,000.00.



View of gallery looking towards foyer. Note the panels on right closing off the windows

SUBCONTRACTORS & SUPPLIERS (Of Lynchburg, unless otherwise specified)

Anderson & Shorter, Inc., A. B. Burton Co., Inc., excavating; Lynchburg Ready Mix Concrete Co., Inc., concrete; T. J. Franklin & Sons, masonry; Montague-Betts Co., Inc., steel; J. B. Eurell Co., Richmond, steel roof deck; Virginia Prestressed Concrete Corp., Roanoke, prestressed concrete; Dornin-Adams, Inc., roofing.

Economy Cast Stone Co., stone work; Binswanger Glass Co., Roanoke, windows; Londeree & Jennings, painting; Dirom Insulating Co., insulation; W. Morton Northen & Co., Inc., Richmond, acoustical; Henry Q. Thompson, Madison Heights, plaster; Cress Tile & Marble Co., ceramic tile, terrazzo; Miller Manufacturing Co., Inc., Richmond, millwork.

W. A. Rice Electric Co., Inc., electrical work; Bill Moseley, plumbing; Virginia Air Conditioning Co., Inc., air conditioning, heating and ventilating.

View of foyer looking towards lobby



to tell the Virginia Story

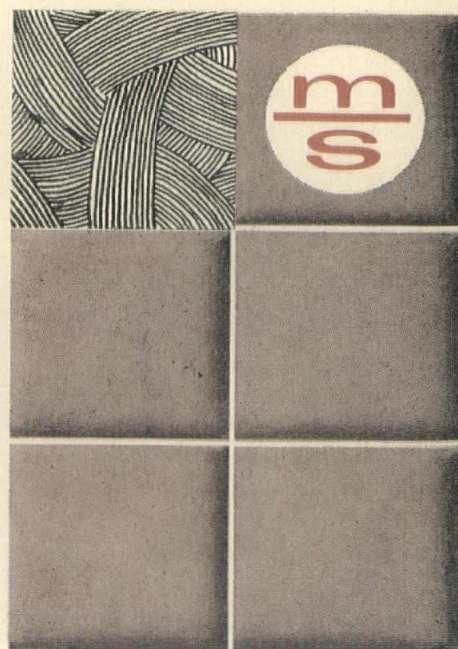


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Painting Contractor:
Leggett's Dept. Store, page 35;
Newport News Shipbuilding &
Dry Dock Employees' Credit
Union, page 50.

J. C. KESLER, BUILDER, INC.

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P. O. Box 181

VIRGINIA BEACH, VA.

General contractor for the Princess
Anne Country Club Lounge, page 33.

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and terrazzo on Richard T.
Yates Elementary School,
page 50.

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MAINTENANCE FREE
PERMANENT

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See the C. O. Alley
Agency Bldg., page 55.

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ROANOKE, VIRGINIA

Day-Brite lighting fixtures for William
Fleming High School, page 22 and
Bowles Bake Shop, page 66.

Joe Rainero Tile Co.

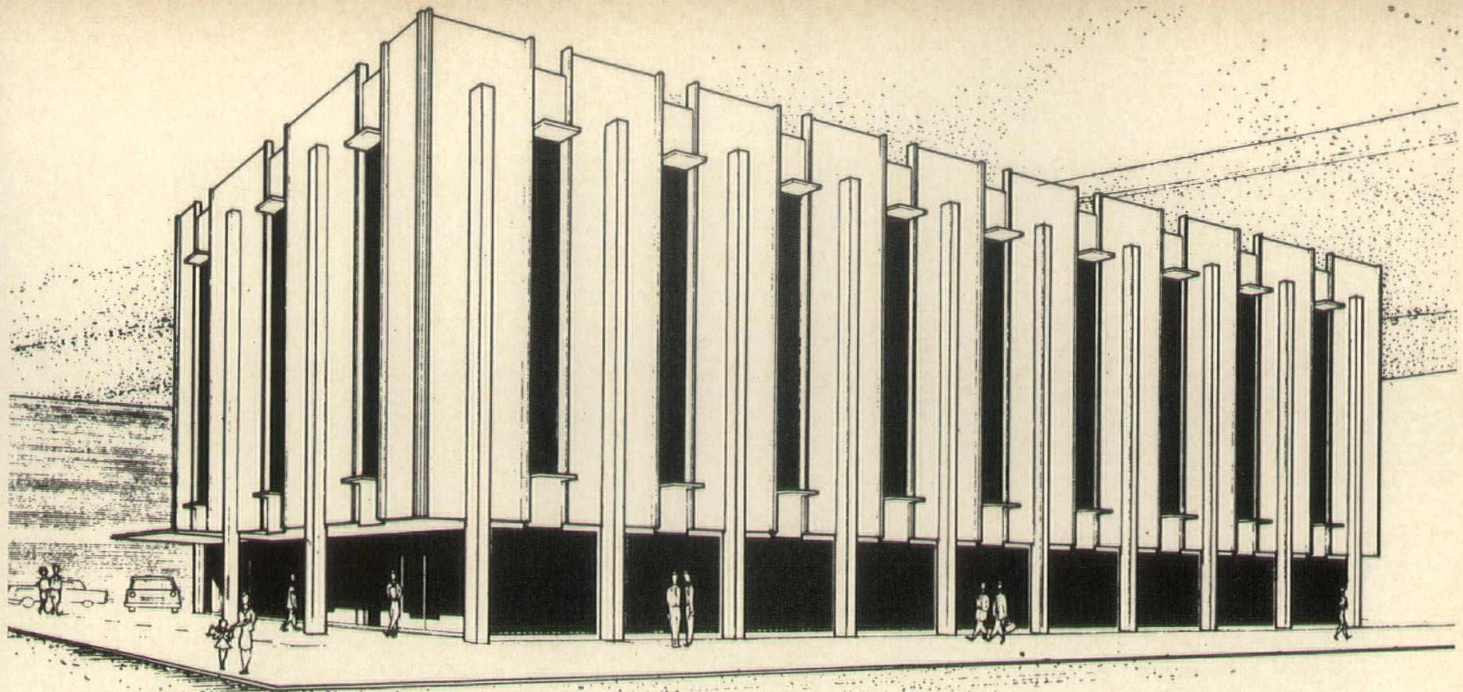
MARBLE
FLOORS AND
WALLS

Piedmont and Rebecca

Phone NO 9-6632

BRISTOL, VA.

Ceramic Tile, Terrazzo and
Marble Contractor for
the Geo. C. Marshall
Library, page 20.



LIFE INSURANCE COMPANY OFFICES IN RICHMOND

4 STORY PREFABRICATED BUILDING

THE NEW Virginia Mutual Benefit Life Insurance Company building is basically a prefabricated concrete structure. The exterior walls and columns are precast in single units ten feet wide and 58 feet high and weighing 24 tons. The panels are brought by truck to the property and tilted into position by cranes. The floor members are of "single T" construction similar to the wall members and span the entire width of the building. There are no interior columns in the entire building. Contrasting with the white concrete walls will be windows of dark gray, glare reducing, insulating glass. At ground level the walls will be of blue gray field stone. Above and below each window is a cast concrete "eye brow" projecting three feet out from the face of the building.

The top two floors are to be occupied by the executive offices of the Virginia Mutual Company. The ground floor will house the insurance company's Richmond District Office. The second floor will contain several medical suites and general rental office space. The main tenant on the ground floor will be an ABC outlet store. The basement level will contain additional offices for the Virginia Mutual Benefit Life Insurance Co.

The owners felt it was absolutely necessary, since they are located in the congested downtown area, to purchase

(Continued on page 88)

DAVID WARREN HARDWICKE AND ASSOCIATES: Architects

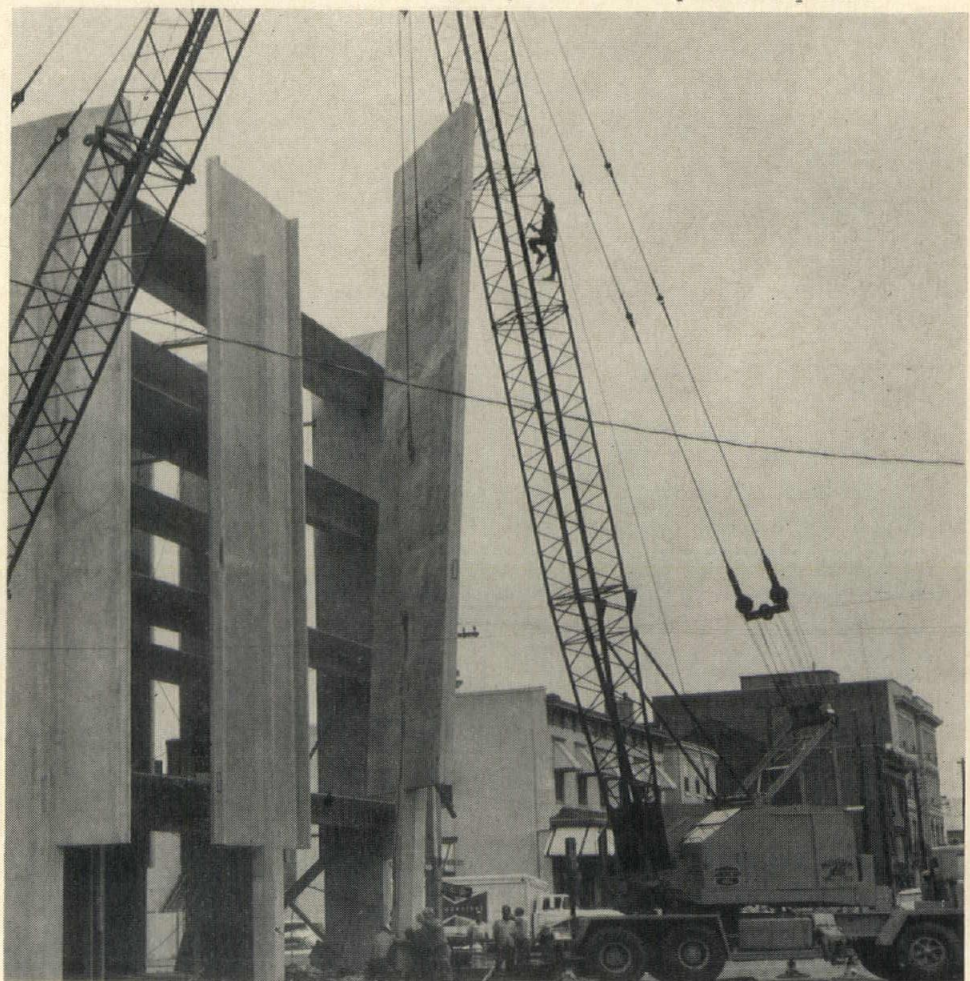
TIFFANY H. ARMSTRONG: Associate in Charge

SPRATLEY AND VANSANT: Mechanical and Electrical Consultants

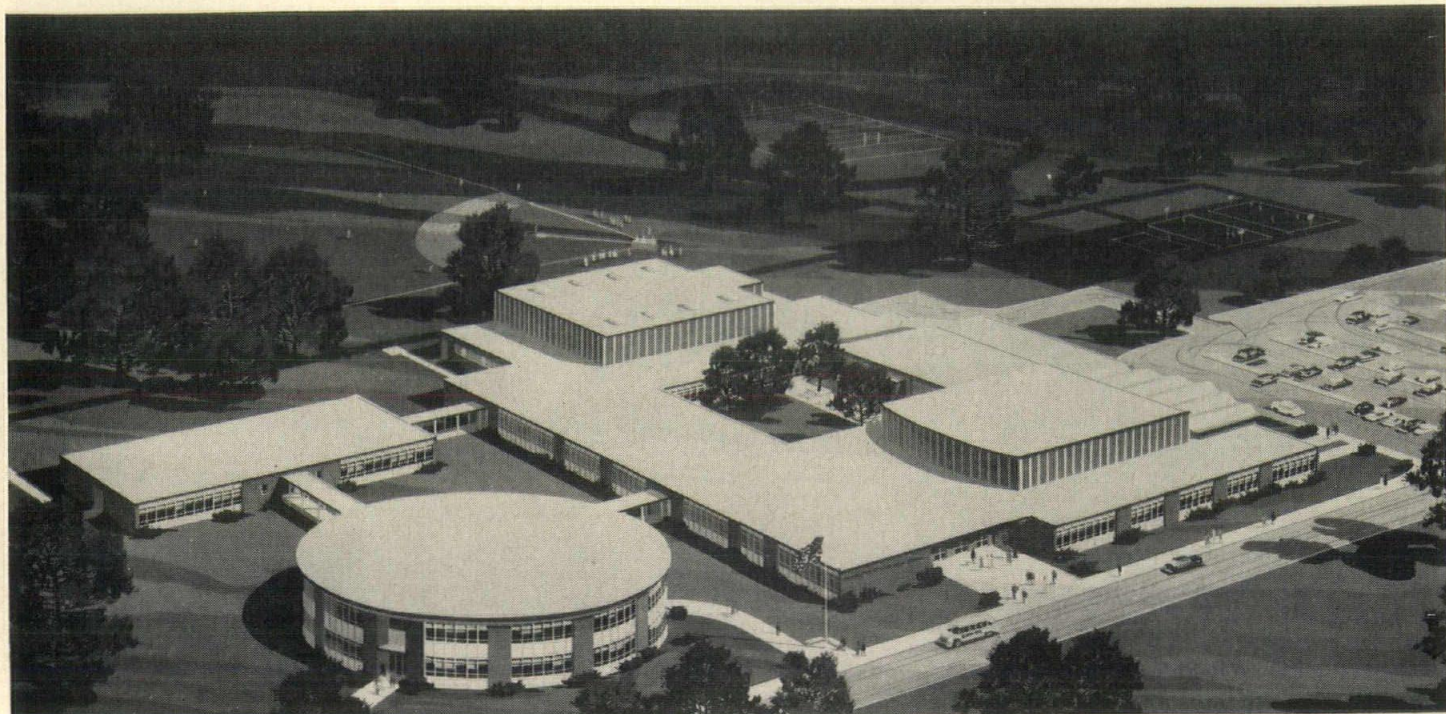
WILLIAM J. BLANTON AND ASSOCIATES: Structural Consultants

BARKER CONSTRUCTION COMPANY, INC.: General Contractors

Below, two 50-ton cranes lift one of the precast concrete panels into position



TWO UNUSUAL CHESTERFIELD



(Davis Studio)

MANCHESTER SENIOR HIGH SCHOOL

ROACHE, MERCER & FAISON—Mechanical & Electrical Consultants

THOMAS A. HANSON & ASSOCIATES—Structural Consultants

R. L. BULIFANT & COMPANY, INC.—General Contractor

THE NEW Manchester Senior High School, designed by MacIlroy and Parris, Architects, is under construction and scheduled for completion in August 1964. Located on a 65-acre site adjacent to Route 360 in the Manchester District of Chesterfield County, west of Richmond, the school will accommodate 1200 pupils in grades 10 through 12.

A special feature of the new semi-campus type high school is a two-story circular academic unit containing the humanities classrooms and the library. It is the first two-story circular school unit ever done in Virginia, and results in a better relation of the humanities classrooms to each other and to the library, while at the same time reducing the construction costs by reduction in amount of non-educational space such as corridors. This circular unit requires approximately 30% less exterior wall for the same square footage of classrooms and other educational areas, than does the usual rectangular shaped building.

The 131-foot diameter circular Humanities Building has classrooms for English, social studies and languages around the outer ring of the building.

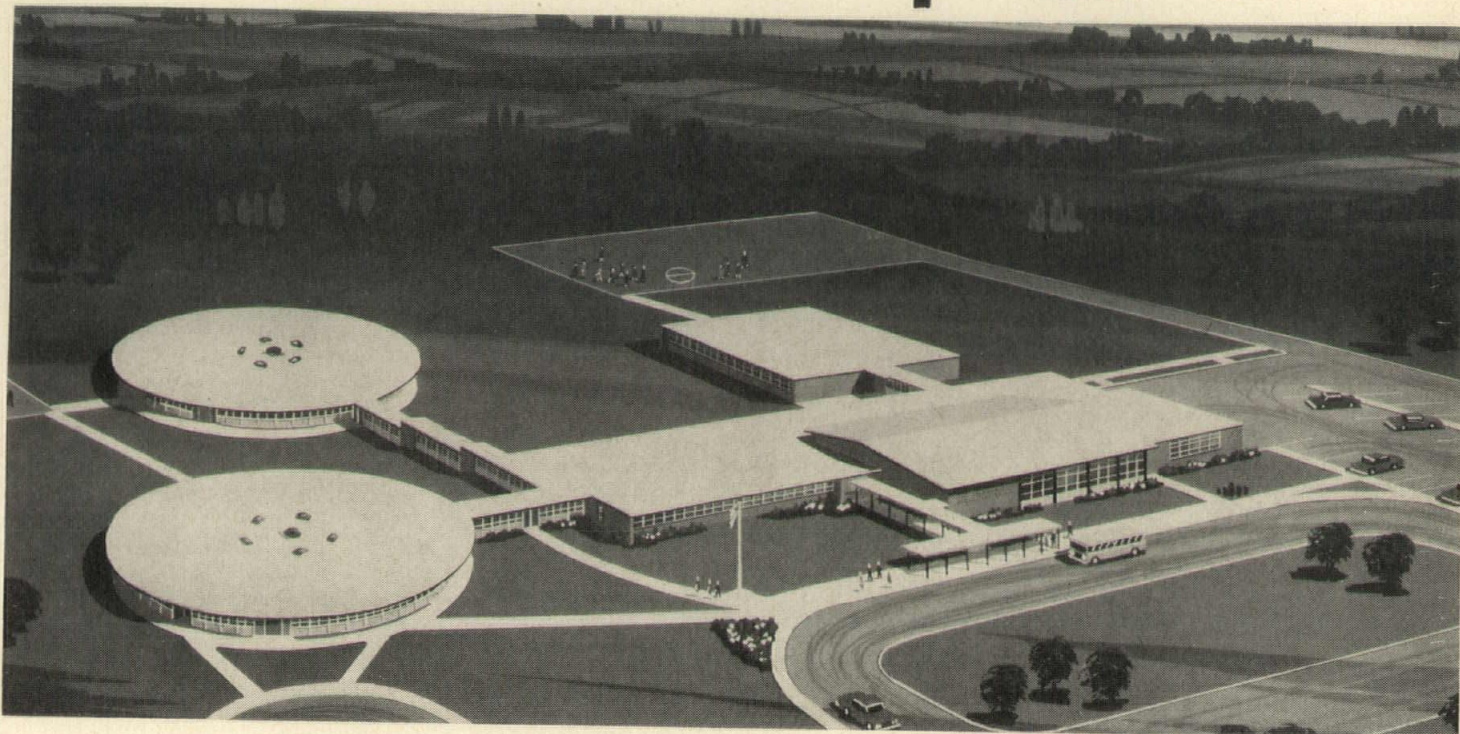
SUBCONTRACTORS AND SUPPLIERS:

Talley & Flanary, Inc., excavating
 Richmond Ready-Mix Corp., concrete
 Concrete Structures, Inc., prestressed concrete
 W. E. Tucker, Inc., masonry
 Montague-Betts Co., Inc., structural steel
 Bethlehem Steel Co., steel joists and reinforcing steel
 W. O. Grubb, erection of structural steel and steel roof deck
 Whitley Roofing Co., Inc., roofing, aluminum, roof insulation and membrane waterproofing
 William Bayley Co., aluminum windows
 Economy Cast Stone Co., precast concrete panels
 Davidson-Southern, Inc., Marietta, Georgia and The Dages Co., porcelain enamel
 American Metals, Inc., Birmingham, Alabama, metal doors & frames
 Pleasants Hardware, hardware and toilet accessories
 Oliva & Lazzari, Inc., terrazzo, tile and marble
 J. B. Eurell Co., precast insulating roof deck
 Welton Co., toilet stall doors and partitions
 Sash, Door and Glass Corp., glass and glazing and aluminum doors and frames
 Brownson Equipment Co., folding gym partition
 Atlantic Manufacturing & Equipment Corp., chalkboards and tackboards
 M. P. Barden & Sons, Inc., painting and finishing
 Alfred Bertozzi, lathing and plastering
 W. Morton Northen & Co., Inc., acoustical tile, resilient floor covering and wood flooring
 J. S. Archer Co., overhead door
 Terminix Engineers, termite protection
 Charlottesville Lumber Co., Charlottesville, mill-work
 E. S. Chappell Co., Inc., caulking
 King Electric Co., Inc., Hopewell, electrical
 Hungerford, Inc., plumbing, heating, ventilating and air conditioning
 W. O. Grubb, storm sewers
 Lee Hy Paving Corp., paving

Rooms for student activities, special project work spaces, conference rooms, student toilet rooms and teachers' rooms are located in the central core area and are served from a circular corridor. The library on the second floor is wedge-shaped and its conference rooms, office, workroom and audio-visual storage area occupy a portion of the core area.

The Humanities Building connects to the Mathematics Building at the rear and to the Central Building, with covered walkways. The central unit will contain facilities for administration, health, guidance, auditorium, gymnasium, cafeteria, kitchen, shop, drafting, arts and crafts, homemaking, business education, and science. The administration, health and guidance areas are grouped together as an interior air conditioned island near the main entrance lobby and are surrounded by the various art centers. The arts and crafts room opens to the main entrance lobby so that the entire room becomes a display of arts and crafts teaching.

The auditorium has 619 seats and has an 86-foot wide stage to provide adequate space for auxiliary stage work
 (Continued on page 75)



PROVIDENCE ROAD ELEMENTARY SCHOOL

ROACHE, MERCER & FAISON—Mechanical & Electrical Consultants
HENRY P. SADLER—Structural Consultant
J. K. TIMMONS—Civil Engineering Consultant

FLEXIBILITY is the keynote of the design of a new elementary school to be built on a 24-acre site on Providence Road, between Routes 60 and 360 in Chesterfield County. The new 900-pupil school designed by MacIlroy and Parris, Architects, will feature circular units specially designed for non-graded primary uses.

The school will have an upper elementary building unit with classrooms for grades 4 through 7, and this unit will also contain the library, combined cafeteria-auditorium, kitchen and administration and health areas. Attached thereto by glazed corridors will be two circular buildings to serve as non-graded primary units. These units will each have 10 classrooms around the perimeter of the circle, and each classroom will connect to a large circular center room for use for team teaching as well as serving as a materials resource center and special instruction area. Each pair of classrooms will be divided by a sound retarding type folding partition, as well as connect by doors directly to adjoining classrooms. This will allow flexible pupil and teacher movement from

classroom to classroom to facilitate the theory of continuous pupil progress in a non-graded primary system. Such a plan permits the more effective use of teachers, since they can pool their resources in a team teaching plan and move to various classrooms or designated areas as well as move the children in a similar manner.

Groups of rooms in the building can be used together as a larger unit and the children in them considered as a larger family with the several teachers each expediting various educational purposes more readily than by working alone in separate rooms. This permits the educational program to become more flexible and oriented to the development of the particular child. The building lends itself to experimentation in the individualizing of instruction.

Each classroom is designed to produce a psychological environment to influence the children's attitudes toward the school and their learning processes. One entire wall of each classroom in the primary units will be faced with tackboard, and colors of materials and painting will contrast to

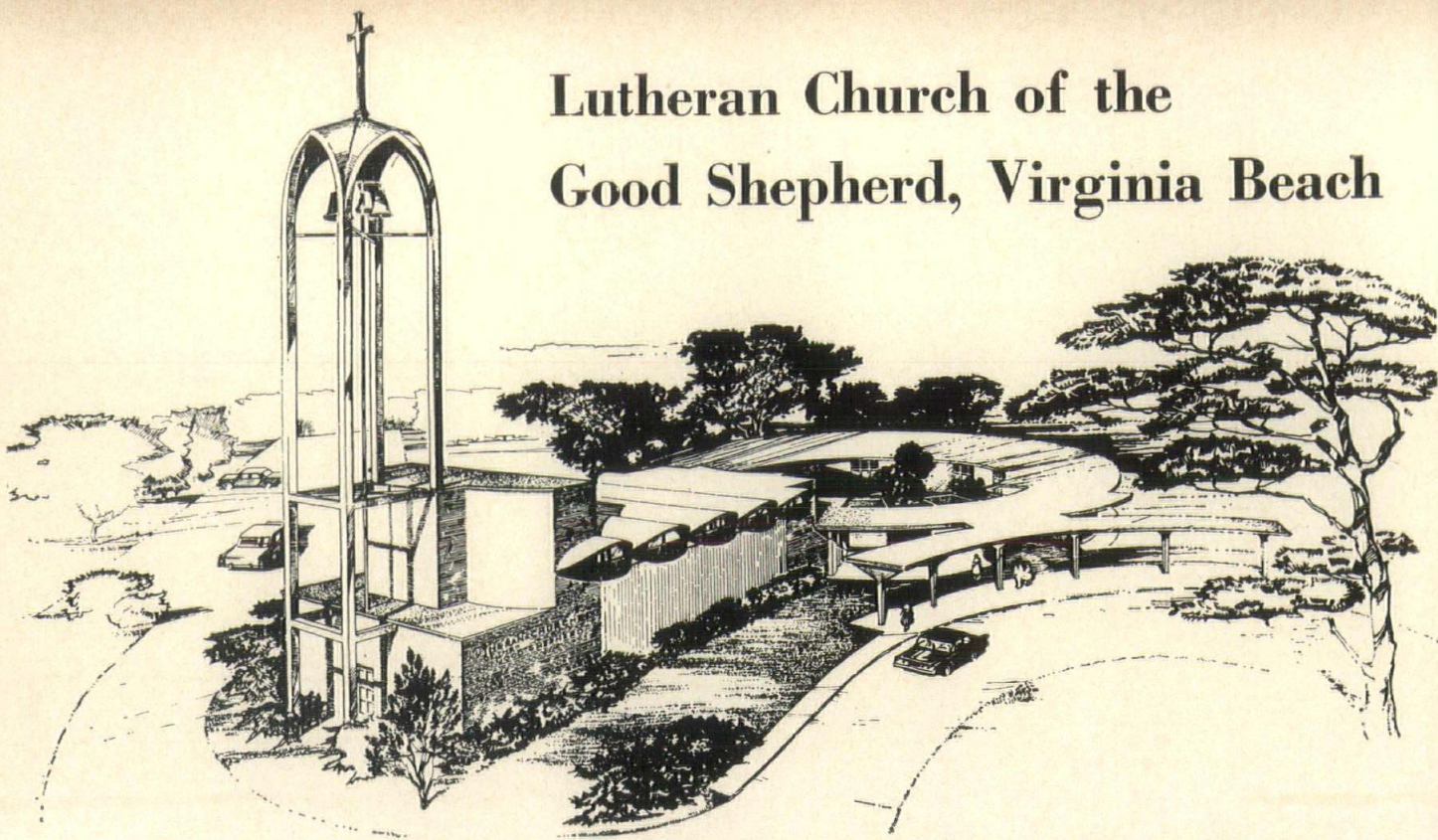
give a maximum use of color. Each classroom will have a sink, drinking fountain and moveable work counters and storage units and each pair of rooms will have its own boys' and girls' toilets.

The school will have an exposed structural steel frame, painted Solite masonry block walls, glazed facing tile wainscot in corridors, cafeteria and toilets, and a precast insulating roof deck which also will serve as an acoustical ceiling. Floors throughout will be of monolithic terrazzo except in toilet rooms and kitchen, which will have ceramic and quarry tile. A wide roof overhang will provide protection for classrooms and other areas from direct sunlight and sky glare. The large windows in the cafeteria will have tinted glare-reducing glass.

The entire building will be electrically heated and each room will be individually thermostatically controlled. All lighting will be fluorescent type on 480/277 volt system, thus effecting economy in wiring.

The school is scheduled for completion and occupancy in September 1964.

Lutheran Church of the Good Shepherd, Virginia Beach



DRAWINGS are now on the market for a uniquely planned church structure to be placed on Virginia Beach Boulevard as a first unit for the relocated congregation leaving the present Board Walk location of Lutheran Church of the Good Shepherd.

The design is characterized by the utilization of the "expansible nave" concept in which wooden sidewall punch panels will be later removed to provide transepts which will envelop a central altar and worship area. The circular arrangement of the expansible classroom areas—facetiously referred to

by some as the *double doughnut*—reflects the requirements of the latest curriculum standards of the Lutheran Church, and as such this unit is attracting considerable attention as a forerunner of trends in religious educational space.

The roof structure is to be of plywood sheets which will intersect the walls in stained glass clerestory segments. It is interesting to note that the stained glass for these windows is to be made by members of the congregation as a "do-it-yourself" project employing epoxy resins and multicolored

glass. The windows are being designed by the architect and the committee of church workers is headed by a member of the Virginia Chapter, Philip Hansen of Norfolk.

The stark prestressed concrete bell tower occurring in the first unit will upon completion of the next unit have an infilling of pierced brick with stained glass inserts, a return to the beauty and symbolism of the ancient spires.

The *Virginia Architect* looks forward with anticipation to the publication of the finished building.

LEGEND

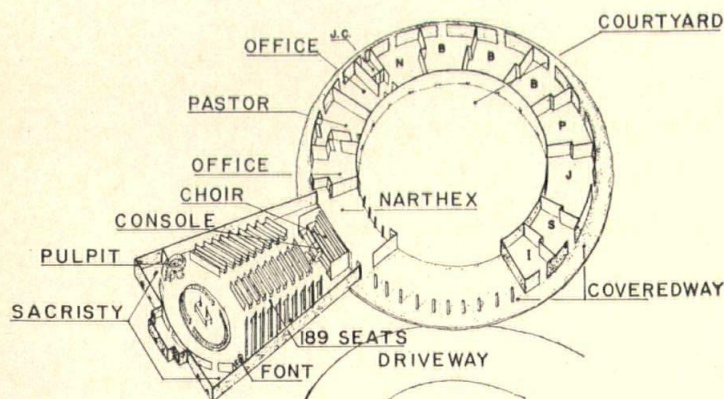
N = Nursery
B = Beginners
P = Primary

J = Juniors
S = Seniors
I = Intermediate

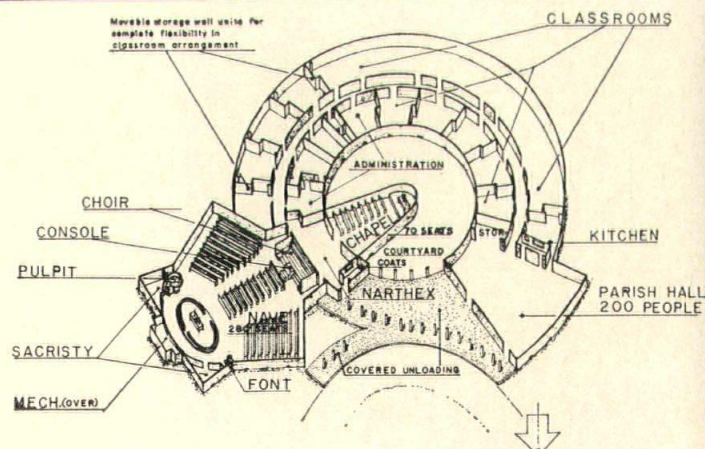
J.C. = Janitor's Closet

MILTON L. GRIGG, FAIA,
Architect

VANSANT & GUSLER
Consulting Mechanical and Electrical Engineers



First Unit Immediate Construction



Ultimate Unit Construction

NEW GOLF FACILITIES AT VIRGINIA BEACH

WILLIAMS & TAZEWELL — Architects

WEBSTER M. CHANDLER & ASSOCIATES
Consulting Engineers

J. C. KESLER—General Contractor

• Continuing interest in golfing at the popular Princess Anne Country Club has for the past several years taxed the present golf facilities of the building. The existing locker room and lounge were completely inadequate to accommodate the golfing membership.

Williams and Tazewell, Norfolk Architects, were commissioned to prepare plans for an addition to the Club in order to provide adequate facilities for the recreation and relaxation of its male members and guests. In Williams and Tazewell's scheme, the existing small lounge and locker room were incorporated into the whole plan which includes large lounge areas for reading, cards, or television viewing, a new bar and snack kitchen, expansive locker rooms, toilets, showers, and drying areas.

The prevailing weathered shingles of the veteran building were employed on this new building, combining with and tying into the scheme of the entire Club. A more modern architectural expression seemed in order, however, contrasting very effectively with the old building.

The entire addition opens up to glass on the east with easy access through sliding glass doors to an observation balcony. This balcony commands an almost panoramic view of the tennis courts and club activities below with Virginia Beach cottages and the Atlantic Ocean beyond. Privacy and seclusion is suggested to those on the balcony or in the lounge by the second floor location of these areas and by the shade and foliage of the fine old trees which remain on the Club grounds.

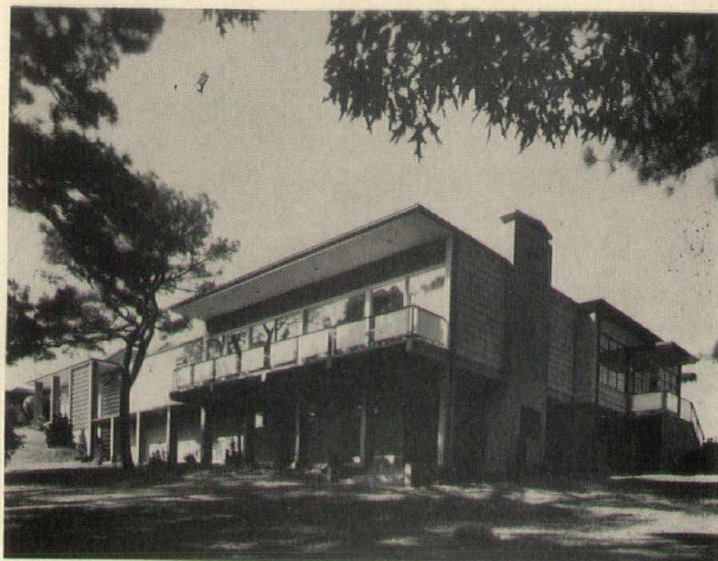
The view to the west is of the practice putting green with the first tee in the distance. Both views—east and west—enliven the atmosphere of the rooms themselves which are panelled in rough sawn juniper and rubbed with a soft grey-beige tone. Interior focus for the lounge is provided by the bar, or 19th hole which tends to separate the card players from those who prefer television. Additional focus is achieved by the large shaped fireplace of cleft black slate. All of the lounge areas and locker rooms are fully carpeted in golf carpeting. Color is used sparingly in a monochromated theme of beige and walnut and color only in upholstered chairs and in the carpet.

The whole feeling of the new addition is intended to provide a restful atmosphere for men's relaxation and recreation—a welcome retreat after 18 holes.

SUBCONTRACTORS & SUPPLIERS

Snow, Jr. & King, Inc., Norfolk, masonry; Globe Iron Construction Co., Inc., Norfolk, steel; Stevens & King Roofing Corp., Norfolk, roofing; Building Supplies Co., Norfolk, windows, glazing; Pallette & Ives Painting Contractors, Virginia Beach, painting; Grover L. White, Inc., Norfolk, ceramic tile; Portsmouth Lumber Corp., Portsmouth, millwork; Nixon Electric, Virginia Beach, electrical work; Adams Bros. Plumbing Corp., Virginia Beach, plumbing fixtures, plumbing; Cox-Frank Corp., Norfolk, air conditioning, heating.

The general contractor did the excavating, foundations and concrete work.



View of new Men's Lounge and Locker Rooms



Two views of the "19th hole"

(Photos by Haycox Photographic, Inc.)





(Photo by Arthur Cummings)

Pleasant View Methodist Church

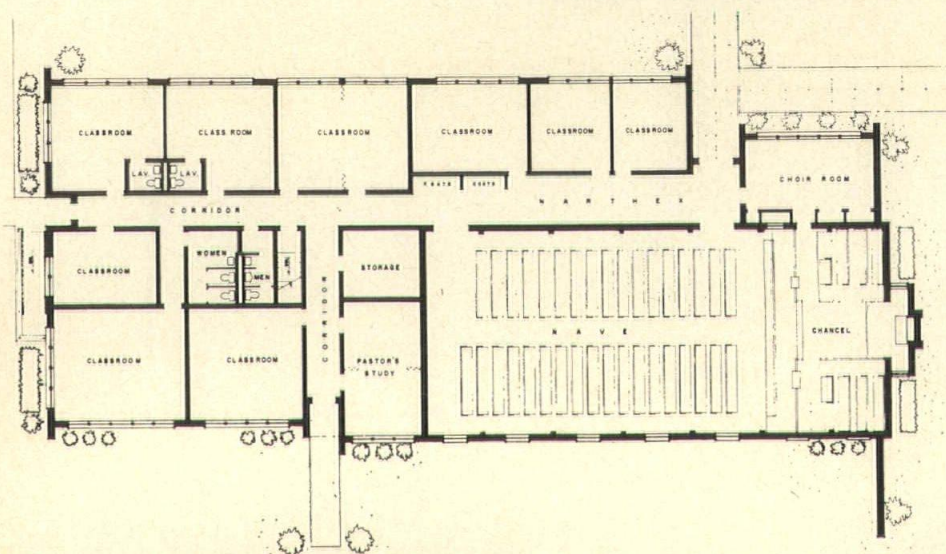
- ABINGDON -

BEESON & BEESON
Architects

JAMES M. COLE
Consulting Electrical Engineer

ROBERT L. JOHNSON
&
CHARLES R. DAY
Interior Designers

JOHNSON BROTHERS
BUILDING SUPPLIES, INC.
General Contractor



SUBCONTRACTORS & SUPPLIERS

Burl Blevins, Abingdon, excavating; Bristol Steel & Iron Works, Inc., Bristol, steel, steel roof deck; Industrial Decking & Roofing Co., Bristol, roof deck, insulation, roofing; Jenkins Wholesale Co., North Wilksboro, N. C., windows; Construction Services Co., Knoxville, Tenn., structural wood; Holston Glass Co., Kingsport, Tenn., glazing.

United States Plywood Corp., Bristol, paneling; D. Wolfe, Chilhowie, plaster; Joe Rainero Tile Co., Inc., Bristol, ceramic tile; Hulsey Floor Service, Inc., Bristol, resilient tile; Bristol Steel & Iron Works, Inc., Bristol, steel doors and bucks; Whitten Electric Supply, Inc., Bristol, lighting fixtures; Mike M. Kelly, Abingdon, electrical work, heating; Ralph T. Powell, Marion, plumbing (American-Standard fixtures).

The general contractor did the work on foundations, concrete, masonry, carpentry and painting.

• The Pleasant View Methodist Church was constructed for a total contract cost of \$106,968.00, containing 8,541 sq. ft. for a unit price of \$12.52 per sq. ft. The contract included site improvements but did not include interior furnishings and fixtures.

The basic structural system is metal deck and bar joist construction in the classrooms, wood arches and exposed wood decking in the nave. The exterior is brick with wood paneling at window walls. The tower is characterized by stacked masonry block units, painted. Two sides of the tower have stained glass extending from floor line of chancel to ceiling, thus, allowing natural lighting to be concentrated at rear of chancel.

A social room with stage, kitchen, and mechanical room has been provided in the basement. This area contains 2520 sq. ft. and was included in the contract price.

The classrooms are heated electrically by baseboard and recessed wall heaters. The nave is heated electrically with Remington Incremental Conditioners. These units provide complete four season air conditioning, both heating and cooling.

TO MEET THE DEMAND for expanding sales in the downtown area of Newport News, the Leggett's Department Stores, Inc. established a lease agreement with the Melson Corporation of Newport News to renovate and add to the Melson Building. The original Melson Building was designed in 1932 as a four story office building with a variety store at the street level and a stock room in the basement.

The project required relocating the existing tenants and the First Christian Church of Newport News located on adjoining property and the demolition of two unoccupied residences. The variety store moved to a suburban shopping center, a new office building was erected to house the office tenants, and a new church was constructed in the suburb near the residences of its congregation.

A total of 11,500 square feet of sales area was achieved by clearing the existing partitions and services from the first and second floors of the existing building. This area plus a basement and two story addition achieved a total sales area of 36,000 square feet. The existing third and fourth floors of the existing building became the general office and the display design department. The stock storage and receiving area were located in the existing basement. The roof of the addition was designed to allow expansion of a third floor for the display of merchandise.

The department store is equipped with four automatic entrance doors, a dual escalator, two elevators, an incinerator, and the entire building is sprinklered. The show windows are 5 feet deep and 120 feet long and feature a lighting trench in the floor to flood light the back wall. The site contains offstreet parking for 17 cars and a truck loading area and platform with freight lift to the basement.

The structure is steel frame with concrete floors and roof. The exterior walls of the main structure are glazed brick cavity construction with concrete block back-up. All floors in the sales areas are covered with 12 inch by 12 inch vinyl tile.

A temporary third floor penthouse of 4,000 square feet is located on the

(Continued on page 83)

**FORREST COILE &
ASSOCIATES**
Architects

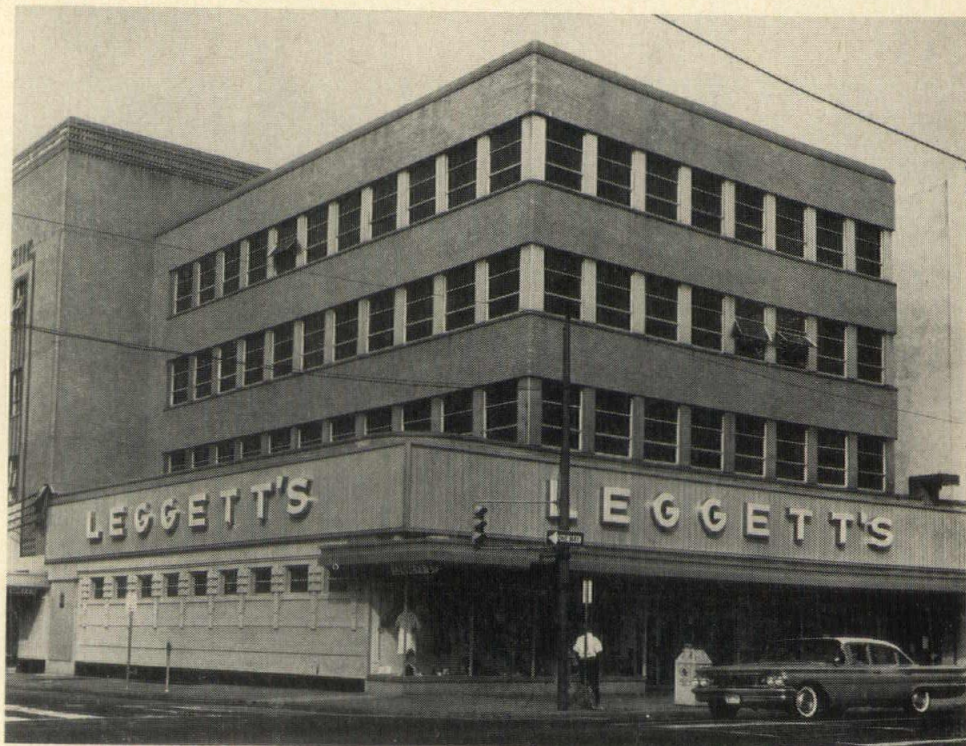
W. BOYCE BLANCHARD
Consulting Mechanical &
Electrical Engineer

**BASIC CONSTRUCTION
COMPANY**
General Contractor



LEGGETT'S - NEWPORT NEWS

Alteration and Addition Project



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ROANOKE, VIRGINIA

Roofing contractor for the new
William Fleming High School,
page 22.

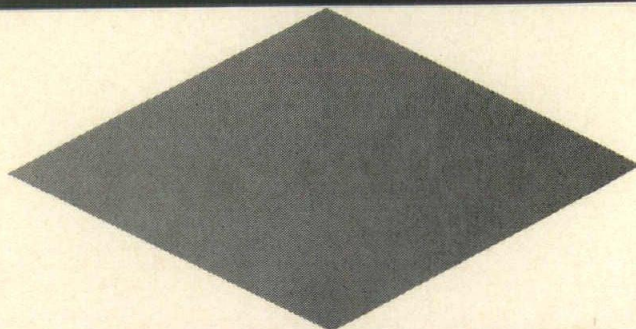
TOM JONES HARDWARE COMPANY

Agents for Sargents Hardware

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RICHMOND, VIRGINIA

Hardware suppliers for Franklin Hall,
Ferrum Junior College, page 48.



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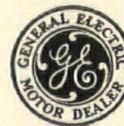
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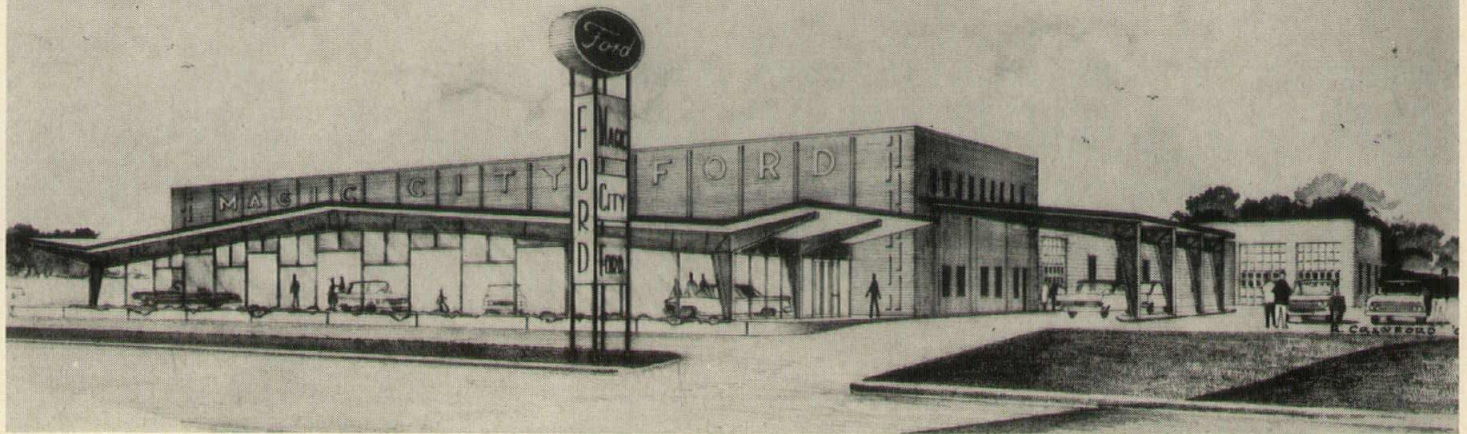


13 and 101 West Main Street
RICHMOND, VIRGINIA

Call: 644-2643



MAGIC CITY FORD



Architect: J. GARRY CLAY, AIA

General Contractor: J. M. TURNER & CO., INC.

• J. Garry Clay, AIA, of Roanoke, was the architect for the new 52,000 square foot Magic City Motor Corporation, a Ford dealer. Expected to be complete by April of next year, the one and two story display, office, parts and service shop complex will be built by J. M. Turner & Co., Inc., Roanoke, general contractor, who is still taking bids on subcontract work.

The exciting sweep of the auto display room at the front of the building is roofed in steel rigid frames supplied by Steel Enterprise, Inc., of Blacksburg. The office and parts portion of the building is two stories and forms a block back-ground to the display area. It will be roofed with prestressed concrete double "TT"s supplied by Virginia Prestressed Concrete Corp. Roanoke.

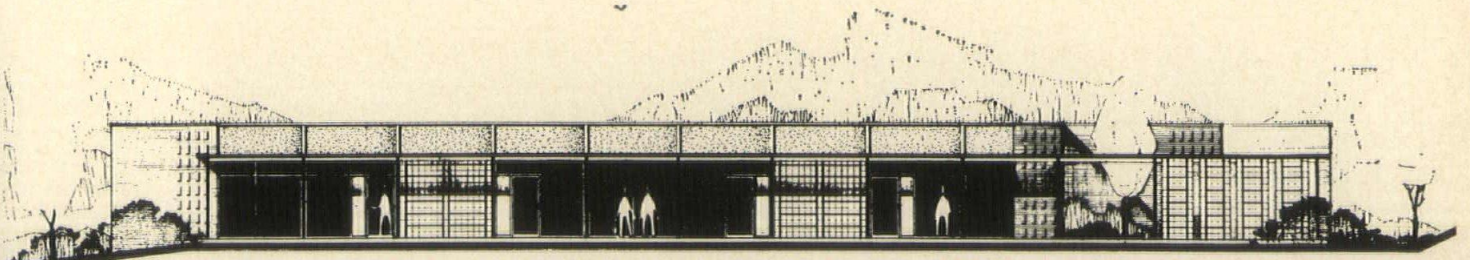
The automotive repair section of the new building contains 24 stalls and is of rigid frame steel construction with a steel roof deck. Exteriors are of concrete block. Eight stalls for truck repairs at the rear of the development, plus the paint and body shops, have concrete block walls, steel joist and steel deck roof.

The eight offices at the front of the building and the display rooms and parts department are all air conditioned. Excavation has already started for the building. President of the owning company is Harry G. Johnson, Sr.

MASTIN-COLEMAN BUILDING, ROANOKE

Architect: J. GARRY CLAY, AIA

General Contractor: FRYE BUILDING CO.



• J. Garry Clay, AIA., was the architect for this new office building for the real estate offices of Coleman, Mastin and Sowder and three insurance companies.

The building is rectangular, 52 by 104 feet and has provisions for second floor expansion. The walls are of brick with block interior partitions, a concrete roof, steel windows and concrete floors covered with vinyl asbestos.

The architect did the interior design for the building which was completed in October. Total cost of the project was approximately \$75,000.

Principal subcontractors and suppliers included the following firms in the Roanoke-Salem area: Thomas Bros., excavating; Webster Brick Co., Inc., masonry; Roanoke Iron & Bridge Works, steel; Leonard Smith Sheet Metal Works & Roofing, Inc., roofing; Rusco Window Co., Inc., windows; Pittsburgh Plate Glass Co., window walls, glazing.

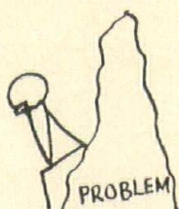
Skyline Paint & Hardware, Inc., painting; South Roanoke Lumber Co., millwork; Graybar Electric Co., Inc., lighting fixtures; J. M. Blair Co., electrical work; Progressive Products Corp., plumbing (Crane fixtures), air conditioning, heating; Adams Construction Co., paving; Cement Enamel of North Carolina, Greensboro, Granulex wall surface over windows.

Frye Building Co., the general contractor, also did the work on foundations, concrete, carpentry and insulation.

The Architect And "CPM"

by DONALD L. STRANGE-BOSTON

Registered Architect & Professional Engineer



Many sophisticated new planning and scheduling methods have appeared recently as developments of the management sciences; most of them in an aura of happy exclusiveness, designated tersely with three or four initials—many are identified with the awesome use of large computers. They are all largely outgrowths of logical solutions to the logistical problems of World War II and the subsequent "race into space". Man has finally discovered that there is a rather low ceiling on the number of separate activities he can plan and organize into a project with any degree of expected accuracy, control, and peace of mind; he must resort to a "system" to improve it.

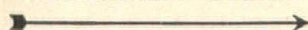
The spectrum of systems now developed include "PERT", "LESS", "CPM", and various adaptations such as "LOB", the GE 225 program, and the MIT program. After research through available literature, courses under systems experts, and actual trial, the office of Marcellus Wright & Son, Architects, Richmond, has adopted the CPM, or Critical Path Method, system for planning and scheduling its professional services. The selection of CPM is based on its simplicity, its flexibility, and its ease of adaptation to either manual or computer use. Experience to date shows that this planning tool will allow a realistic appraisal of technical manpower needs, improved coordination of all efforts, and dependability in reaching scheduled commitments to clients.



Contrary to popular belief, CPM is quite simple and logical in many applications. It merely organizes the facts and allows the evaluations and decisions that are usually made mentally as "intuition" or executive judgment to be placed in diagram form to clarify the relationships involved and provide a check for the accuracy of conclusion. From this diagram, a schedule can be developed to meet any requirement, such as a fixed total completion time, and each activity scheduled individually to best accomplish the requirement. It further indicates the size of the work force, as well as the "extra" time available in the grouping of activities.

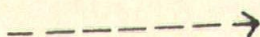
To acquaint the reader with the method, or refresh his understanding, two simplified examples will be presented. First, however, a basic CPM vocabulary of certain symbolic conventions is necessary:

CHILDREN DRESS

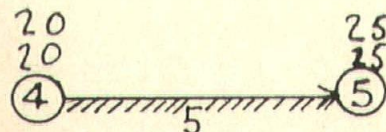


16

⑤



30
25
⑤



—Activity (name above arrow, estimated time below).

—Node (a check point. Note: all activities entering node, shown with arrow head, must be completed before next activities, shown with arrow tail, begin). Number in node is for reference only.

—Dummy Activity (shows a dependency without time consumed or activity).

—Cumulative times over nodes. (Upper figure indicates *latest* time previous activity can be completed without delaying final completion; lower figure indicates *earliest* time next activity can physically be started, if dependent on previous activities. Difference between figures is "float" or slack time.)

—Critical Activity (late completion and early start times are same, indicating no float at either node, and the activity duration added to the tail value is equal to the head node value. This activity is one which controls the duration of the project and must be started and completed on time). The chain of critical activities is the "Critical Path".

EXAMPLE #1:

A family with two children must get the husband off to work and the children off to school by 8 o'clock. One bathroom is available. How early must they get up to accomplish this?

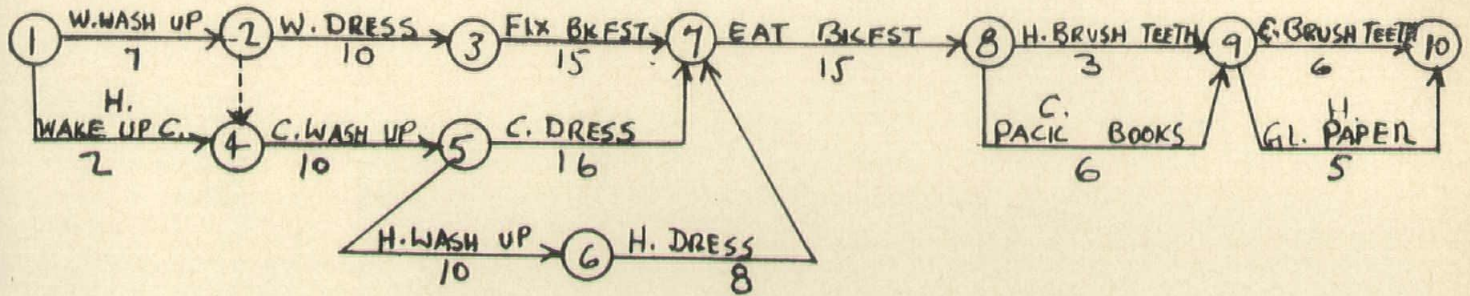
Step 1

List the activities anticipated with an estimated time required for each; note any special relationships:

Wife wash up.....	7 min.	Children wash up.....	10 min.
Wife get dressed.....	10 min.	Children dress.....	16 min.
Wife fix breakfast.....	15 min.	Children pack books.....	6 min.
Husband wash up.....	10 min.	Children brush teeth.....	6 min.
Husband dress.....	8 min.	Husband brush teeth.....	3 min.
Wake up children.....	2 min.	Husband glance at paper.....	5 min.

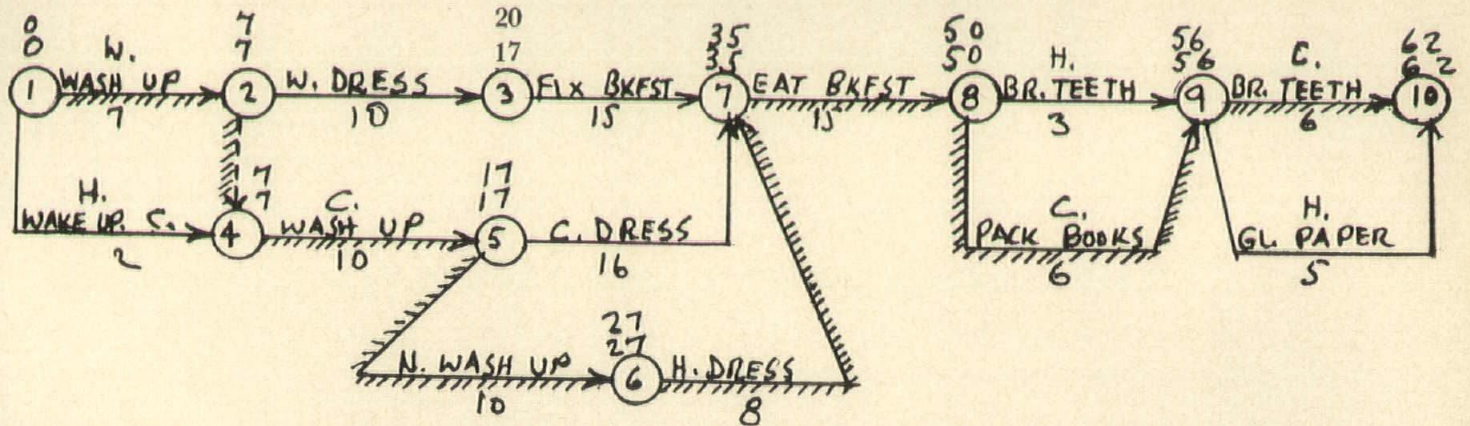
Step 2

Prepare the diagram, showing the dependency relationship of all activities (at each node, ask "are all next activities really dependent on the previous ones being completed?")



Step 3

Compute early and late times and place above each node (Early times start at "0" and add activity durations to get time—longest combination controls—; late times start at completion node and subtract activity durations). Indicate critical path.



SOLUTION:

Set the alarm for 6:58 (allowing 62 minutes before 8 o'clock). Note that, as expected, morning wash up sequence is critical. If the husband washes up first, this delays the wife's sequences and breakfast cannot be started (node 7) until the 42nd minute (a delay of 7 minutes over this schedule). If the children and the husband change places in washing up, breakfast cannot be started until the 43rd minute (a delay of 8 minutes). This all, of course, supposes an "awakeness coefficient" of 1.0.

EXAMPLE #2

If the husband desires a second cup of coffee (8 minutes), how late is he going to be?

SOLUTION:

Send the children to brush teeth right after breakfast and drink coffee with paper—this changes the paper-glancing time to 8 minutes instead of 5 minutes, which is 2 minutes longer than the children's simultaneous activity. He can make this up while the children pack their books (here he has 56-53, or 3 minutes float). He will not be late.

From the rather simplified examples above, the reader can see that CPM is applicable to almost any multiple activity project; the writer has used CPM effectively to plan and carry out the Richmond Soap Box Derby for the Jaycees, as an example. Neither is the approach complicated, nor is a computer necessary in many applications. Marcellus Wright & Son has utilized the method in scheduling detailed professional services with great success on projects varying from small laboratories to multi-million dollar office buildings. Contractors throughout the country hail this tool as a real breakthrough in cost control and job management; it clearly shows where the extra effort must be exerted to compensate when unforeseen delays occur, it eliminates the wasteful "all crash" approach when a job falls behind schedule, and it permits the accurate scheduling of deliveries.

The benefits to the owner of a building project, if CPM is used by both the Architect's and the Contractor's organization, include more dependable completion dates, more accurate planning of expenditures and "draw-downs", a visual check on progress, and a more realistic reflection of the effect of making a change during design or construction.

After some eight months spent in adapting CPM to use in the Architect's office, the writer observes that this system opens the door to the Architect on a new era of professional development—a responsibility and a challenge!

Interior Court Apartments in Norfolk

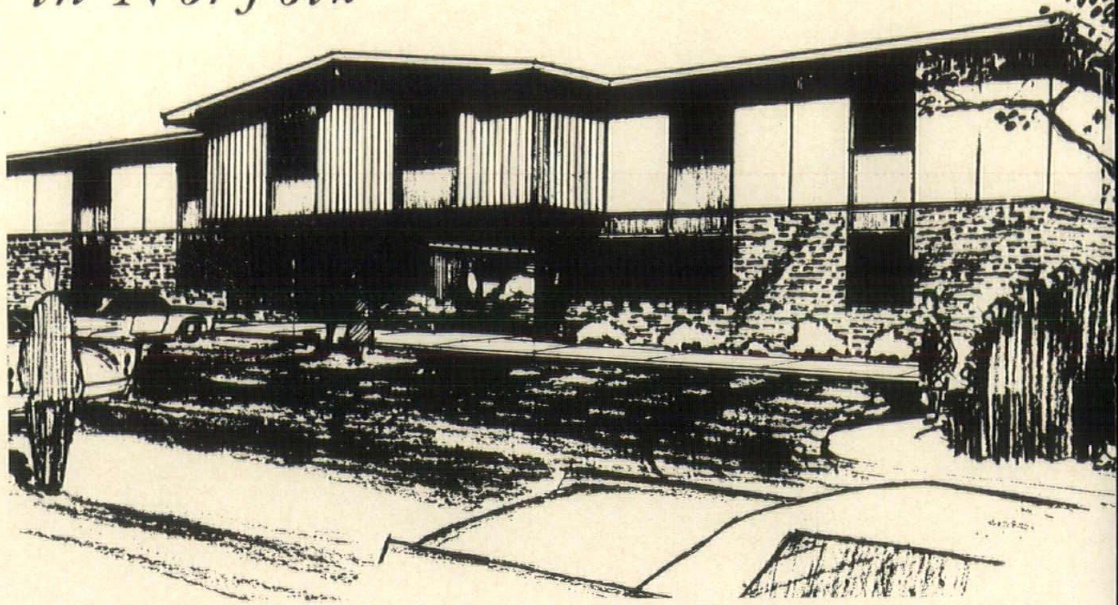
SOL WILLIAM COHEN
AIA
Architect

JAMES L. CRAIG & ASSOCIATES
Structural Consultants

JOHN A. HOFFMAN
Mechanical Consultant

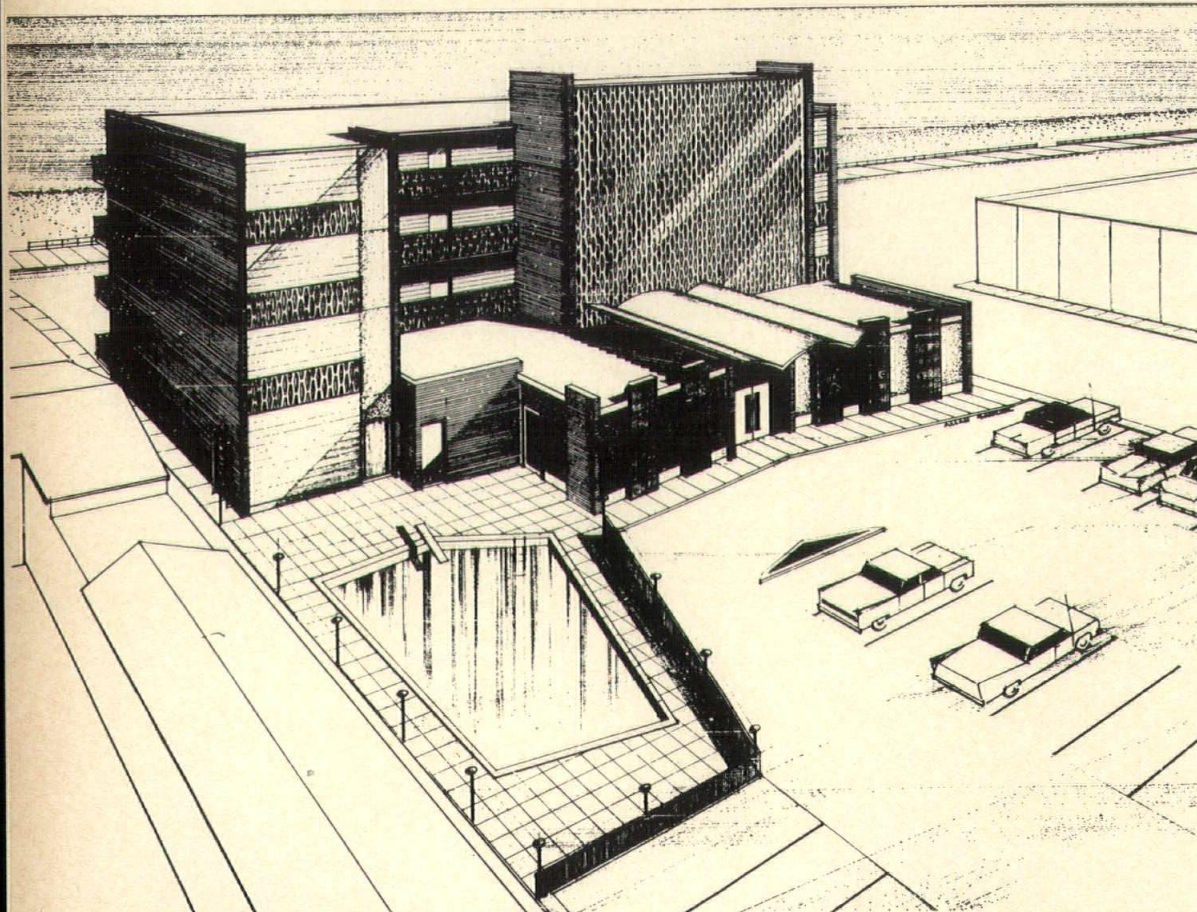
ERNEST H. BOWMAN
Electrical Consultant

L. J. HOY, INC.
General Contractor



BEL AIRE ARMS APARTMENTS

DIPLOMAT MOTEL AT VIRGINIA BEACH



SOL WILLIAM COHEN
AIA
Architect

OLIVER & SMITH, AIA
Associated Architects

JAMES L. CRAIG & ASSOCIATES
Structural Consultants

JOHN A. HOFFMAN
Mechanical Consultant

ERNEST H. BOWMAN
Electrical Consultant

FOX-SADLER COMPANY
General Contractor

BEL AIRE ARMS

► To be completed in the spring of next year, The Bel Aire Arms Apartments in Norfolk is a two story, rectangular-interior court building containing 25 dwelling units. Sol William Cohen, AIA, is the architect.

Of wood frame and brick veneer construction, the building inclusive of land will cost approximately \$250,000. Plastic coated panels are used on the exterior of some of the frame portion of the building. The building will measure 80 by 150 feet and have plastered interior partitions. The building rests on wood piles and has a grade beam and concrete ground floors.

Included are 20 two-bedroom units, three one-bedroom units and two efficiencies. A main passage and arcade run through from the front of the building. Parking is provided at the front and the rear of the building for 25 cars. All units are completely air conditioned. Kitchens are all-electric and contain all appliances, including built-in refrigerators and ranges.

The interior court is carefully landscaped and complete with fully grown trees.

Floors within the apartments are finished with resilient tile and carpet. The roof is a low pitched one and is finished with a built up roofing.

L. J. Hoy, Inc., Norfolk general contractor, is also doing the work on excavating, foundations, concrete, masonry, structural wood, carpentry, paneling and weatherstripping.

Principal subcontractors and suppliers include Welch Pile Driving Corp., Virginia Beach, piling; I. J. Allen & Son, steel, handrails; E. A. Odend'hal & Co., Inc., roofing; Burgess-Snyder Window Co., windows, glazing; Shaw Paint & Wall Paper Co., Inc., painting, waterproofing; Ayers Insulating & Supply Co., insulation; Hampton Roads Plastering Co., Inc., plaster; Grover L. White, Inc., ceramic tile; J. C. Law & Son, Inc., resilient tile; Portsmouth Lumber Corp., Portsmouth, millwork; Sumrell Electric Co., lighting fixtures, electrical work; W. D. Sams & Co., plumbing fixtures (American-Standard), plumbing, air conditioning, heating, ventilating.

All are Norfolk firms unless otherwise specified.

to tell the Virginia Story

DIPLOMAT MOTEL

► Sol William Cohen, AIA, was the architect for the new \$400,000 Diplomat Motel at Virginia Beach. Oliver & Smith were associated architects while James L. Craig & Associates were the structural engineering consultants; John A. Hoffman, P.E., was the engineering consultant for mechanical work, air conditioning, plumbing and heating and Ernest Bowman was the engineering consultant for electrical work. The Revere Company of Washington was the interior decorator.

The five story building will have 35 oceanfront units comprised of rooms, suites and efficiency apartments.

A coffee shop and meeting rooms to accommodate small groups will be located on the ground floor. The coffee shop will open to the pool and sun terrace which may be used for luncheon service.

All rooms have sliding glass doors that open on to private balconies. Rooms will be equipped with individually controlled heating and air conditioning units, television, AM-FM radios and private baths.

Mr. and Mrs. Bruce A. Parlette are the owners and operators of the new facility, which will feature infrared heating for the pool area during the spring and fall. There will be a closed

circuit television installed so that parents relaxing in their rooms may keep an "electronic" eye on their children in the swimming pool below.

Light housekeeping facilities in the efficiency units are built-in Pullmanette kitchens.

Principal subcontractors and suppliers included:

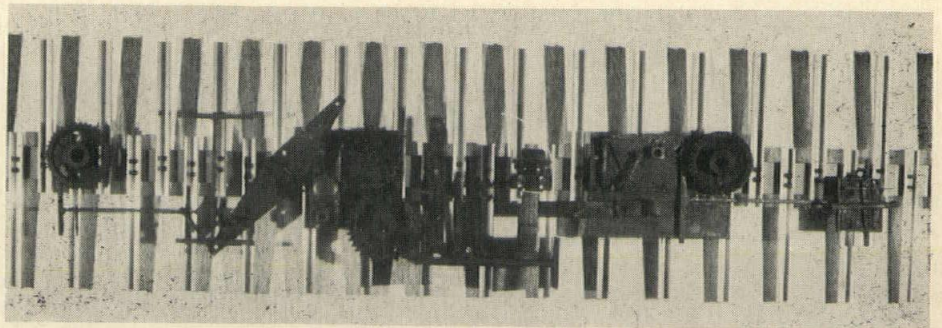
From Virginia Beach: Welch Pile Driving Corp., piling; Bunton Construction Co., Inc., masonry; C. E. Kadas Co., handrails; Kirk Reid Co., Inc., plumbing (Kohler fixtures), air conditioning, heating, ventilating.

From Norfolk: Norfolk Iron & Wire Works, Inc., steel, steel roof deck; E. A. Odend'hal & Co., Inc., roofing, Pittsburgh Plate Glass Co., windows, window walls, glazing; Ayers Insulating & Supply Co., insulation; L. E. Potts, Jr., acoustical, plaster; Grover L. White, Inc., ceramic tile; Ferrell Linoleum & Tile Co., Inc., resilient tile; Hall-Hodges Co., Inc., steel doors and bucks; Alston, Inc., lighting fixtures, electrical work.

Others were Burgess Brothers, Portsmouth, painting, waterproofing; Portsmouth Lumber Corp., paneling; John G. Kolbe, Inc., Richmond, kitchen equipment; Duncan Concrete Construction Co., Chesapeake, excavating, foundations and concrete.

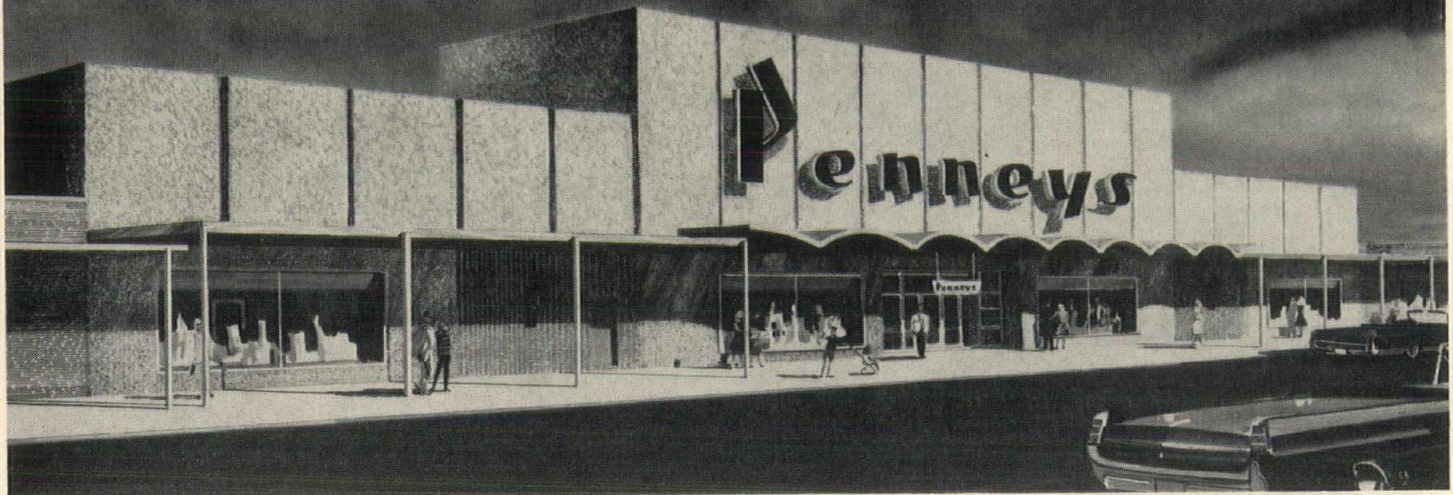
The general contractor did the work on carpentry and weatherstripping.

ENGINEERS CELEBRATE FORMAL OPENING



• The new Engineers Club of Richmond celebrated the formal opening of their new club rooms in the Hotel Jefferson during the last week in October. Two Architects, both members of the Virginia Chapter AIA, are members of the club which boasts members from 26 technical and engineering organizations in the state. The newly refurbished club was formerly the home of the Press Club of Virginia. New decorations by Milton Glaser, FAID, of Richmond, have completely transformed the premises. Above the bar has been installed this three dimensional mural executed by John Glave and utilizing elements familiar in engineering. Membership in the organization is open to architects.

J. C. Penney Outlet In Lynchburg



• The contract for J. C. Penney Company Store No. 582 was awarded to C. L. Lewis & Co., Inc. in May 1963. The 68,000 sq. ft. structure is scheduled for completion March 15, 1964 and will be opened in June.

Approximately 50,000 sq. ft. will be used for sales and merchandising with the remaining space devoted to office, storage and employees' facilities.

Communications between floors for the public consists of one passenger elevator and two escalators. One service elevator is also included.

Interior decorations and furnishing will be selected and installed by J. C. Penney Company.

The store is located in the multi-million dollar shopping center developed by the late Dr. R. L. Pittman of Fayetteville, N. C.

SUBCONTRACTORS & SUPPLIERS: May Brothers, Inc., Forest, excavating; Concrete Caisson Co., Greensboro, N. C., caissons; Southern Materials Co., Inc., Lynchburg, concrete; N. H. & L. P. Rivenbark, Greensboro, masonry; Montague-Betts Co., Inc., Lynchburg, steel, steel doors and bucks, steel roof deck; N. W. Martin & Bros., Inc., Richmond, roofing, waterproofing, insulation; Economy Cast Stone Co., Richmond, stone work (Mo-Sai); H. D. White & Co., Lynchburg, painting.

W. Morton Northen & Co., Inc., Richmond, resilient tile, acoustical; Paul E. Styles, Lynchburg, plaster; Martin Tile & Marble Co., Inc., Richmond, ceramic tile; Miller Manufacturing Co., Inc., Richmond, mill-work; J. C. Penney Co., New York, lighting fixtures; McDaniel-Kelly Electric Co., Inc., Lynchburg, electrical work; Moseley Brothers, Inc., Lynchburg, plumbing (Crane fixtures); Virginia Air Conditioning Co., Inc., Lynchburg, air conditioning, heating and ventilating; Crawford Sprinkler Co., High Point, N. C., sprinkler; Southern Elevator Co., Inc., Greensboro, elevator; The Peelle Co., Brooklyn, N. Y., escalators.

Architects
CLARK, NEXSEN & OWEN

Structural Consultant:
WILLIAM T. ST. CLAIR

Mechanical and Electrical Consultants:
WILEY & WILSON

Interior Design:
J. C. PENNEY COMPANY

General Contractor:
C. L. LEWIS & CO., INC.

R. A. DUNHAM CONSTRUCTION CO., INC.

General Contractor

COMMERCIAL — INDUSTRIAL

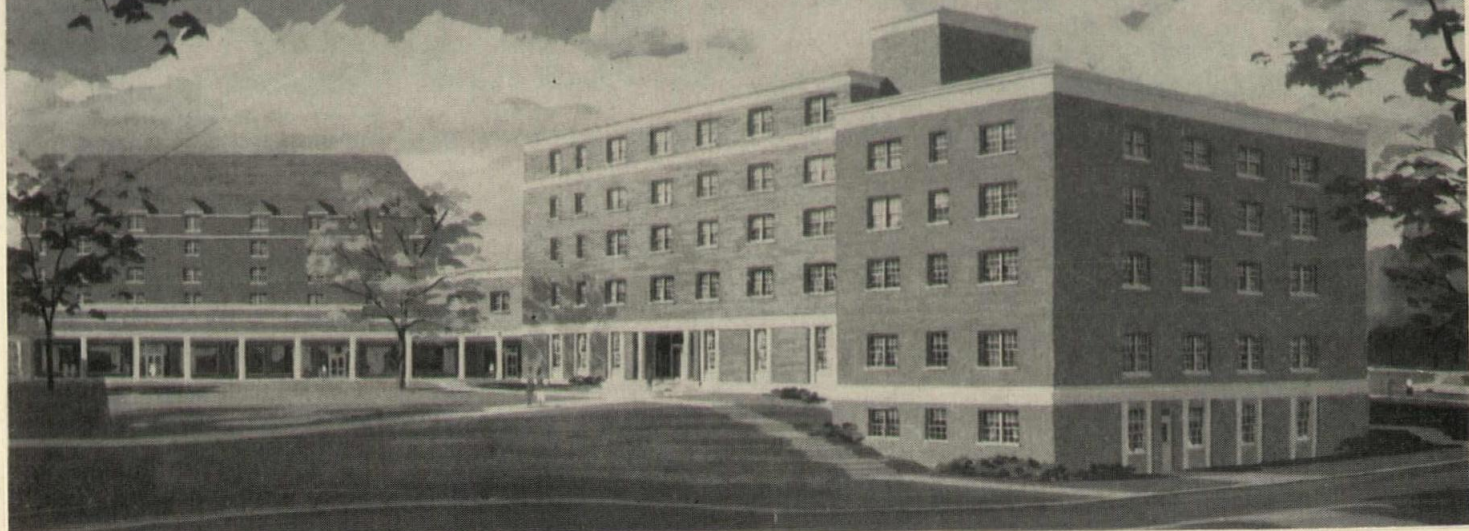
Phone 938-9050

VIENNA, VIRGINIA

P. O. Box 187

General contractor for the new Trovato Building, page 60.

Randolph-Macon Dormitory-Dining Hall



Architects
CLARK, NEXSEN & OWEN

Structural Engineer:
WILLIAM T. ST. CLAIR

Mechanical & Electrical Consultants:
WILEY & WILSON

Interior Decorator:
DELOS WILSON

General Contractor:
C. L. LEWIS & CO., INC.

• The contract for the Dormitory-Dining Hall, Randolph-Macon Woman's College was awarded to C. L. Lewis & Co., Inc. in April 1963. Low bid was \$1,078,300.

The project contains dormitory rooms for 156 students, with central toilet facilities and built-in furniture. Other areas included are a dining space and kitchen to serve 400 students, faculty dining room, student lounges, parlors, recreation room, library room, study carrels, hobby rooms, resident suite and other related utility areas such as laundry room, trunk storage, dry-cleaning pick-up station and supply storage.

A fall-out shelter area designed to house 400 students is located on the ground floor and is intended to also serve students from two other dormitories.

The project will be completed in August 1964 and is scheduled for use in the 1964-1965 academic year.

SUBCONTRACTORS & SUPPLIERS: May Brothers, Inc., Forest, excavating; Concrete Caisson Co., Greensboro, N. C., caissons; Webster Brick Co., Inc., Roanoke, concrete; N. H. & L. P. Rivenbark, Greensboro, masonry; Bristol Steel & Iron Works, Inc., Bristol, steel, steel roof deck; N. W. Martin & Bros., Inc., Richmond, roofing; The Indian Hill Stone Co., Bloomington, Ind., stone work; Truscon Steel Div., Republic Steel Corp., Richmond, windows, steel doors and bucks.

Pritchard Paint & Glass Co., Durham, N. C., glazing; Davidow Paint & Wallpaper Co., Roanoke, painting, plastic wall finish; Dornin-Adams, Inc., Lynchburg, waterproofing; Paul E. Styles, Lynchburg, acoustical, plaster; Atlantic Tile & Marble Co., Charlotte, N. C., ceramic tile; W. Morton Northern & Co., Inc., Richmond, resilient tile; Miller Manufacturing Co., Inc., Richmond, built-in furniture, millwork; Cooper Electrical Construction Co., Greensboro, electrical work; Harris Heating & Plumbing Co., Inc., Richmond, plumbing, air conditioning, heating, ventilating, sprinkler; Grant E. Key, Lynchburg, food service equipment; Westbrook Elevator Mfg. Co., Danville, elevator.

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THE

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APARTMENTS

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Shown on page 17 of this issue.

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Phone 586-8380

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BEDFORD, VA.

Concrete suppliers for the Lynchburg Fine Arts Center, page 26.

J. E. DAVIS & SONS, INC.

General

Contracting — Engineering

RESIDENTIAL • COMMERCIAL • INDUSTRIAL

Low Gap Highway

GALAX, VIRGINIA

BElmont 6-3879

J. E. WRAY & COMPANY

St. Reg. #5361

General Contractor

P. O. Drawer JE

WILLIAMSBURG, VIRGINIA

Phone CA 9-4242

General contractor for the St. Stephen Lutheran Church, page 24.

SHARPE & HAMAKER, INC.

GENERAL CONTRACTORS

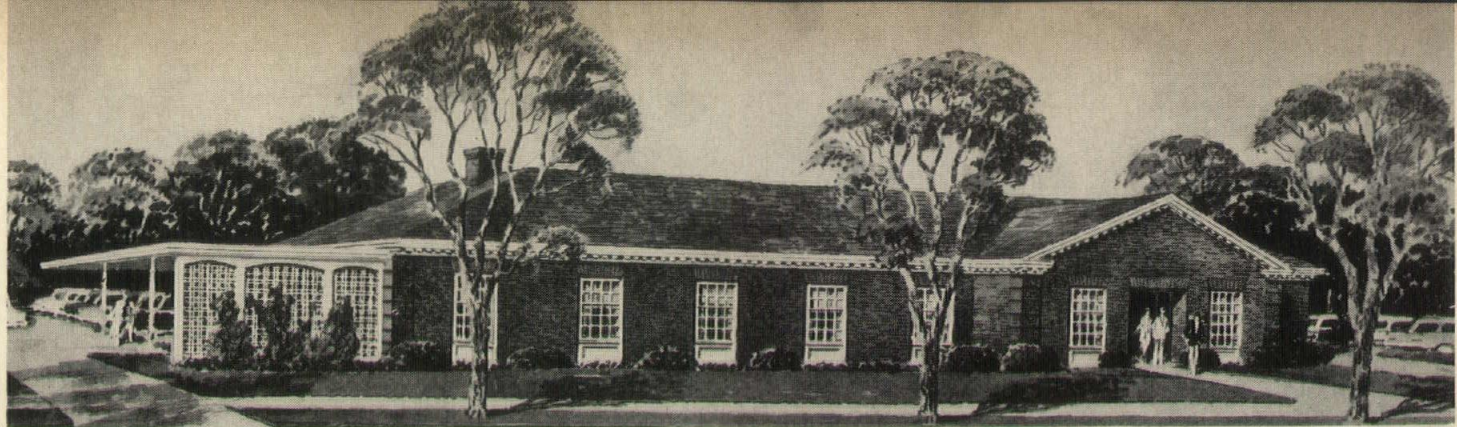
COMMERCIAL — INDUSTRIAL

Phone JA 7-0400

ARLINGTON, VIRGINIA

3260 Wilson Boulevard

General contractor for the new Woodbridge Senior High School, page 59.



WEST END ORTHOPAEDIC CLINIC - RICHMOND

Architects: BUDINA & FREEMAN

Consulting Engineers:
EMMETT L. SIMMONS & ASSOCIATES

HENRY P. SADLER

General Contractor: J. KENNON PERRIN CO.

THE PRIME CONSIDERATION for the plan of this building was to have as many of the required cast rooms and examining rooms as possible open into the X-Ray room and also have access to the X-Ray rooms from the corridors. Therefore the architects developed the plan with a central core of the two X-Ray rooms with the dark room between and five cast rooms and five examining rooms adjoining the X-Ray Room.

The Clinic has five doctors, each with an office, two examining rooms and a cast room. The layout provides each doctor with an office and one examining room on the corridor and one examining room and a cast room on the opposite side of the corridor and adjoining the X-Ray room.

The Clinic also has a room for minor or emergency surgery, nurses' lounge, secretaries and accounting section. The large waiting room can accommodate about 50 persons.

There is a covered parking area on the left of the building for the doctors' cars as well as a space for an ambulance to serve the clinic.

The building is completely air conditioned and also has a separate exhaust system for the cast rooms. The mechanical equipment is in a basement room and is made up of three packaged A. C. units, each of which conditions a separate zone.

The nurses' lounge is furnished with a kitchen unit (sink, range, refrigerator and cabinet) for the use of the personnel to prepare lunches, coffee, etc.

The building is equipped with a system of intercom phones, and piped in music.

The flooring is vinyl tile throughout with plaster walls and acoustical plaster ceilings. The lighting fixtures are recessed fluorescent. Special walls were built around the X-Ray rooms for protection from the X-Rays.

The building is designed along conservative lines with traditional details. The windows are wood double hung, some with wood panels below. The brick is a pink wood mould oversize brick laid in running bond with quoins at the corners and rubbed brick arches over openings. The roof is a hipped roof covered with slate; all flat roofs are built-up roofing.

SUBCONTRACTORS & SUPPLIERS

(All Richmond firms unless otherwise noted)

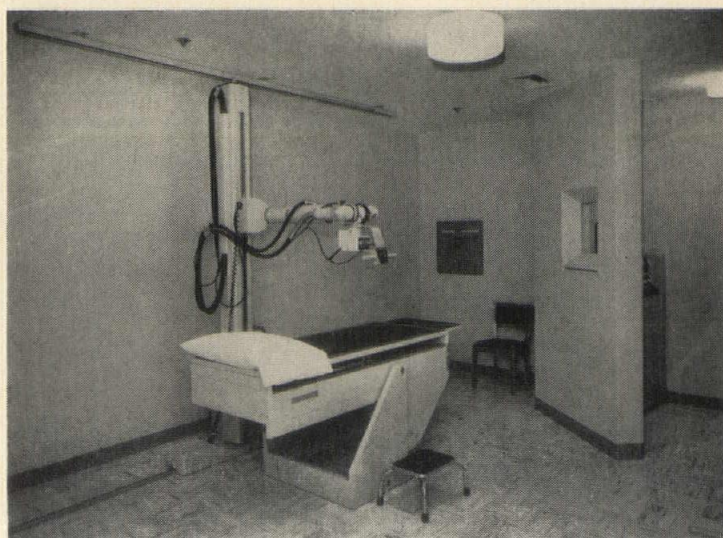
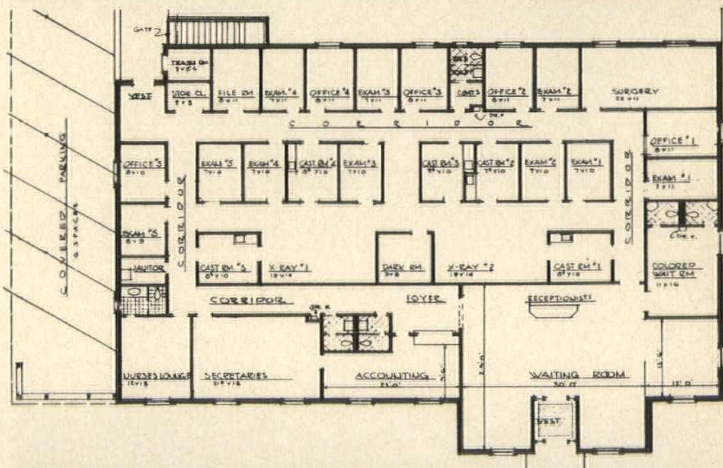
Southern Brick Contractors, Inc., masonry; Liphart Steel Co., Inc., steel; Inland Steel Products Co., Baltimore, steel roof deck; J. B. Eurrell Co., Insulrock roof deck; N. W. Martin & Bros., Inc., roofing; Miller Manufacturing Co., Inc., millwork; windows; Binswanger Glass Co., glazing; Donald D. Dickerson, painting; A. Bertozzi, acoustical, plaster; Hampshire Corp., resilient tile; J. S. Archer Co., steel doors and bucks; Rabe Electric Co., Inc., electrical work (Lithonia lighting fixtures); Harris Heating & Plumbing Co., Inc., plumbing (Kohler fixtures), air conditioning, heating and ventilating.

The general contractor did the excavating, foundations, concrete work and carpentry.

to tell the Virginia Story



(Dementi Studio)



(Dementi Studio)



AMERICAN BANK & TRUST COMPANY, SUFFOLK

Architects:
MELVIN M. SPENCE & ASSOCIATES

General Contractor:
CHARLES H. SHOTTON

• Among the striking new buildings completed in the Tidewater area this year was the new home of the American Bank & Trust Company at the corner of Market and North Main Streets in Suffolk.

Designed by Melvin Spence and Associates, Architects, the handsome gold and white structure was occupied last January.

The bank authorized construction of a new home back in the winter of 1960. Construction began in January of 1962 and required a full year.

Two stories high, the building has a structural steel frame with concrete floor slabs poured over steel sheet slab forms. The exterior is finished in white brick which are laid with vertical recesses at modular intervals.

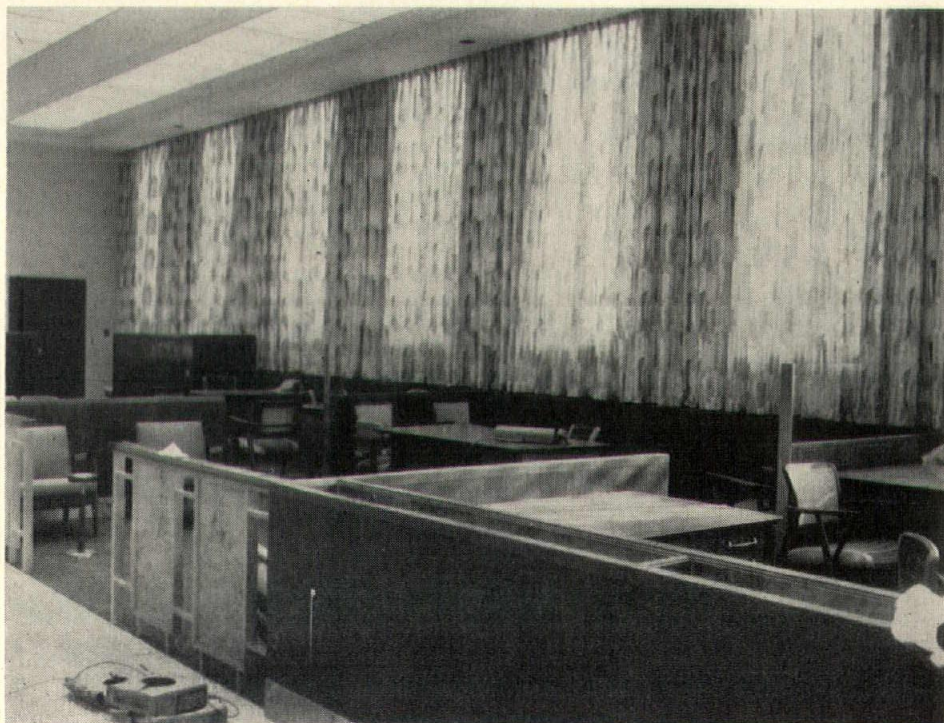
Trim for the exterior is gold. There are sun screens protecting the openings and also forming part of the bank's identifying sign.

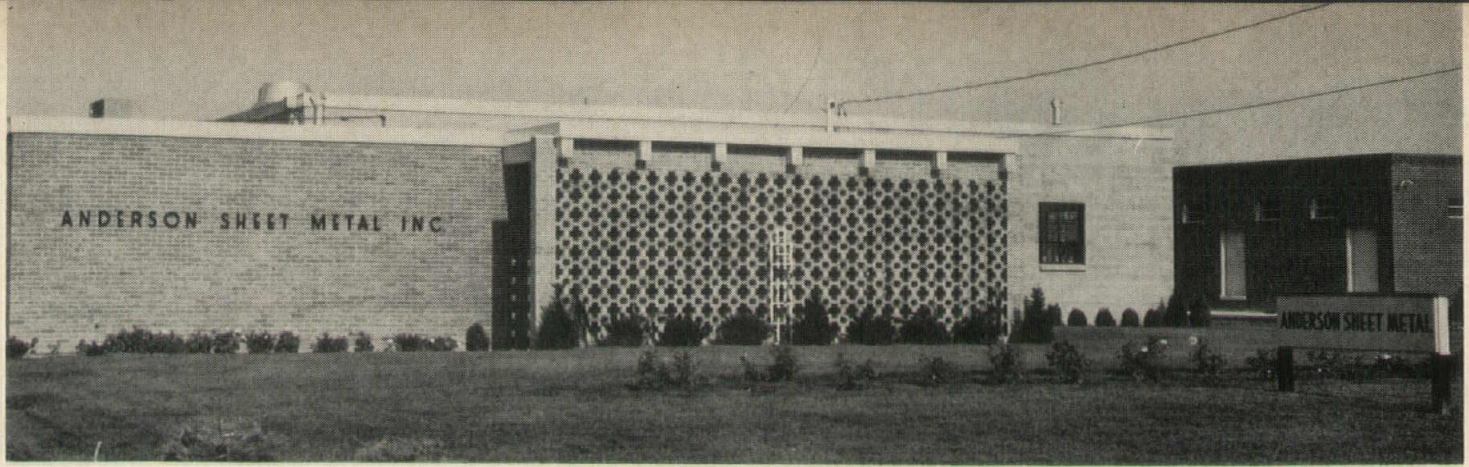
Interior finishes are carefully detailed and include handsome paneling and soft carpets. The executive areas are laid out in the contemporary bank custom which permits easy access by the bank's customers. Carefully selected furniture and fixtures including a spotlighted vault door finish out the interior.

Charles H. Shotton, general contractor, did the work on foundations, concrete and carpentry, with the following subcontractors and suppliers:

E. T. Gresham Co., Inc., Norfolk, excavating; W. T. Stowe, Inc., Portsmouth, masonry; Norfolk Iron & Wire Works, Inc., Norfolk, steel solar screen; Inland Steel Products Co., Baltimore, steel roof deck; H. L. White & Son Sheet Metal Works, Inc., roofing and sheet metal installation; Ajax Tile & Marble Co., Norfolk, stone work, ceramic tile, terrazzo; Brown & Grist, Inc., Newport News, windows, window walls.

Pittsburgh Plate Glass Co., Norfolk, glazing; E. Caligari & Son, Inc., Norfolk, painting; Morris Dudley, Norfolk, weatherstripping; Hampshire Corp., acoustical; A. D. Stowe, Portsmouth, plaster; I. O. Hill & Co., Suffolk, resilient tile; Suffolk Lumber Co., millwork; Ocean Electric Corp., Norfolk, electrical work; Owens & Co., Suffolk, plumbing fixtures, plumbing; Cox-Frank Corp., Norfolk, air conditioning; W. W. Moore & Sons, Richmond, elevator; American Furniture & Fixture Co., Inc., Richmond, furniture and fixtures; Mosler Safe Co. Hamilton, Ohio.





● Anderson Sheet Metal Works' new building has been designed for maximum efficiency with the vital 62' wide x 42' deep shop area virtually surrounded on three sides—front, left and rear—by essential adjuncts. The area of the offices lies in the front of the building where the use of sliding glass door panels—faced by a decorative brick screen—makes a pleasing street-side and approach to the building. The of-

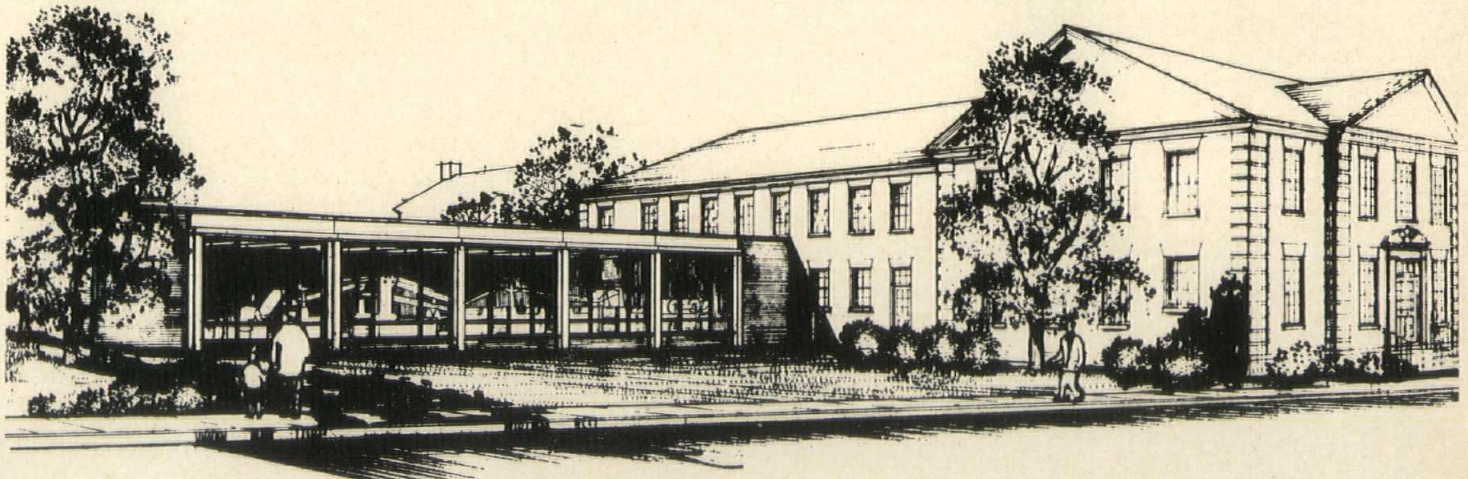
fice area uses a 34' width and 18' depth. The warehouse area, 19' wide by 54' deep, lies to the left of the offices and to the left of the shop, making immediate accessibility of each part of the operation to the other complete. Finally, at the rear of the shop area is placed the truck area which uses 50' (width) by 35' (depth) and which supplies the last need of the operation. The entire building has 5992 square feet of floor space; joists are prestressed concrete Single Tee. The shop and

warehouse have concrete floors while the offices are floored with vinyl tile. The roof is built-up over Tectum roof Decking which is finished on the underside and is exposed throughout the entire building.

Howard Shockey & Sons, Inc., Winchester, was general contractor. Other participants were Shockey Brothers, Inc., prestressed concrete; Anderson Sheet Metal Works, Inc., roofing and heating. Both are Winchester firms.

TWO PROJECTS BY COOPER & AUERBACH

ANDERSON SHEET METAL WORKS, INC. HOWARD SHOCKEY & SONS, INC.
WINCHESTER EVENING STAR General Contractor



● In designing the new press room and paper storage addition for the Winchester Evening Star, Architects Cooper and Auerbach were faced with the problem of opening the front wall of the building to make the new press-room and its eye-catching 70 inch press visible to the public from the street while still keeping it architecturally compatible with the main structure.

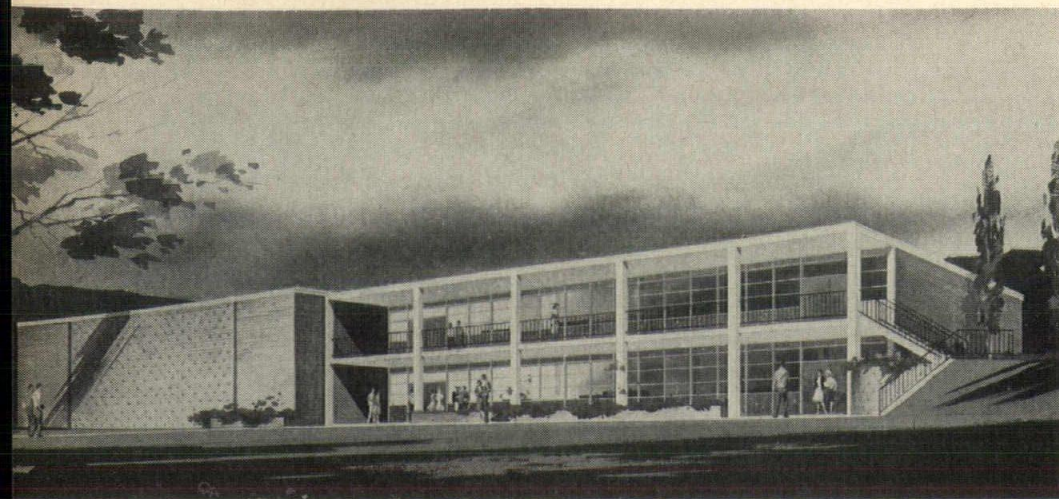
The one story rectangular building designed to hold the mammoth new

newspaper printing press, ample storage room for two full railroad boxcars of newsprint, and an area for newspaper distribution to carriers, is 89 feet long and 42 feet wide.

The exterior walls are constructed of brick on block. The roof structure is precast, prestressed concrete channel sections topped with a built-up roofing. The windows are steel while the interior concrete block walls are painted. The floor is of concrete, the columns

and beams are of precast concrete. The large plate glass window along the front revealing the press is of gray glare reducing glass.

Howard Shockey & Sons, Inc. is general contractor. Suppliers and subcontractors include Shockey Brothers, Inc., prestressed concrete; Anderson Sheet Metal Works, Inc., roofing Baker & Anderson Electrical Co., Inc., electrical work, and Miller & Anderson, heating. All are Winchester firms.



FRANKLIN HALL

FERRUM JUNIOR COLLEGE EXPANSION

Architects

WRIGHT, JONES & WILKERSON

Structural Consultant

WILLIAM T. ST. CLAIR

Mechanical Consultant

WILLIAM A. BROWN

Landscape Architect

CHARLES F. GILLETTE

General Contractor

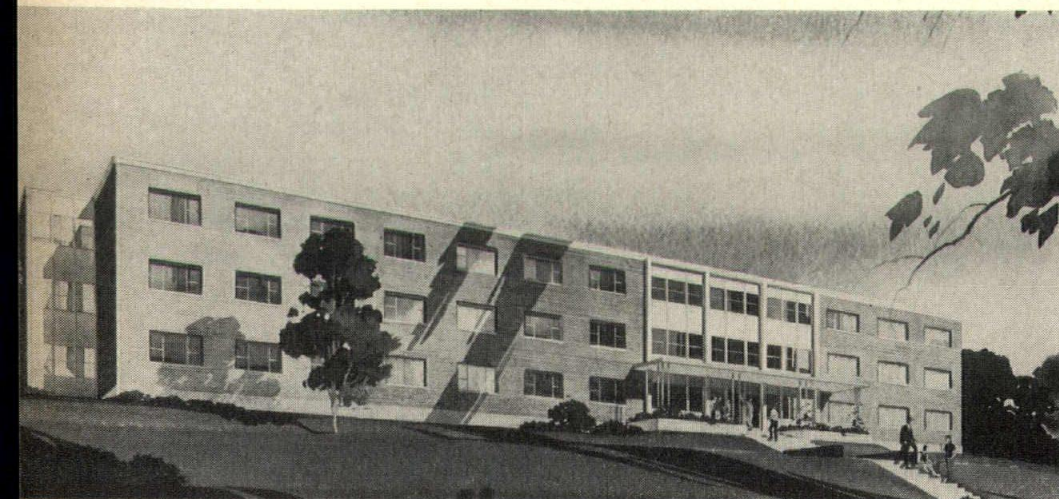
H. A. LUCAS & SONS, INC.

● On November 1st, the laying of a corner stone for Garber Hall, a science and agriculture building named in honor of Bishop Paul N. Garber, will begin the observance of the fiftieth anniversary year of Ferrum College. The laying of this corner stone will highlight the celebration of the fiftieth anniversary year and observe the seventh build-

ing constructed since the expansion program began in 1957. Ferrum is a co-educational junior college supported by the Virginia Methodist Conference and was founded in 1913 at Ferrum, Virginia, in the foothills of the Blue Ridge Mountains in southwest Franklin County.

In addition to the seven major build-

RIDDICK HALL



ing projects begun since 1957, new campus areas have been developed through the addition of roads and other campus utilities and improvements. New facilities already in use, including three new dormitories, a new dining hall and student union building, and a new gymnasium provide for an expanded enrollment of more than 700 students for the current session.

Riddick Hall, the first new building, was completed in 1960. Of brick and masonry construction with three stories and basement, this dormitory houses 144 men students. In addition to the student bedrooms, which feature built-in wardrobe type furniture, the building has lounges, recreation rooms and a suite for the dormitory director.

The new dining hall and student union building was also completed in 1960 and is known as Franklin Hall in recognition of support of the College by citizens of Franklin County. This two story building is located on a sloping site and features a portico overlooking the position of a future lake. Student union facilities are on the ground floor with the upper level providing dining rooms and kitchen area. This building is now being expanded to double its capacity as a result of increased student enrollment.

Other campus improvements constructed recently include the relocation of Highway #602 from the center of the campus, new water supply and sewage treatment systems, a new high temperature hot water central heating system, new faculty housing, and athletic fields.

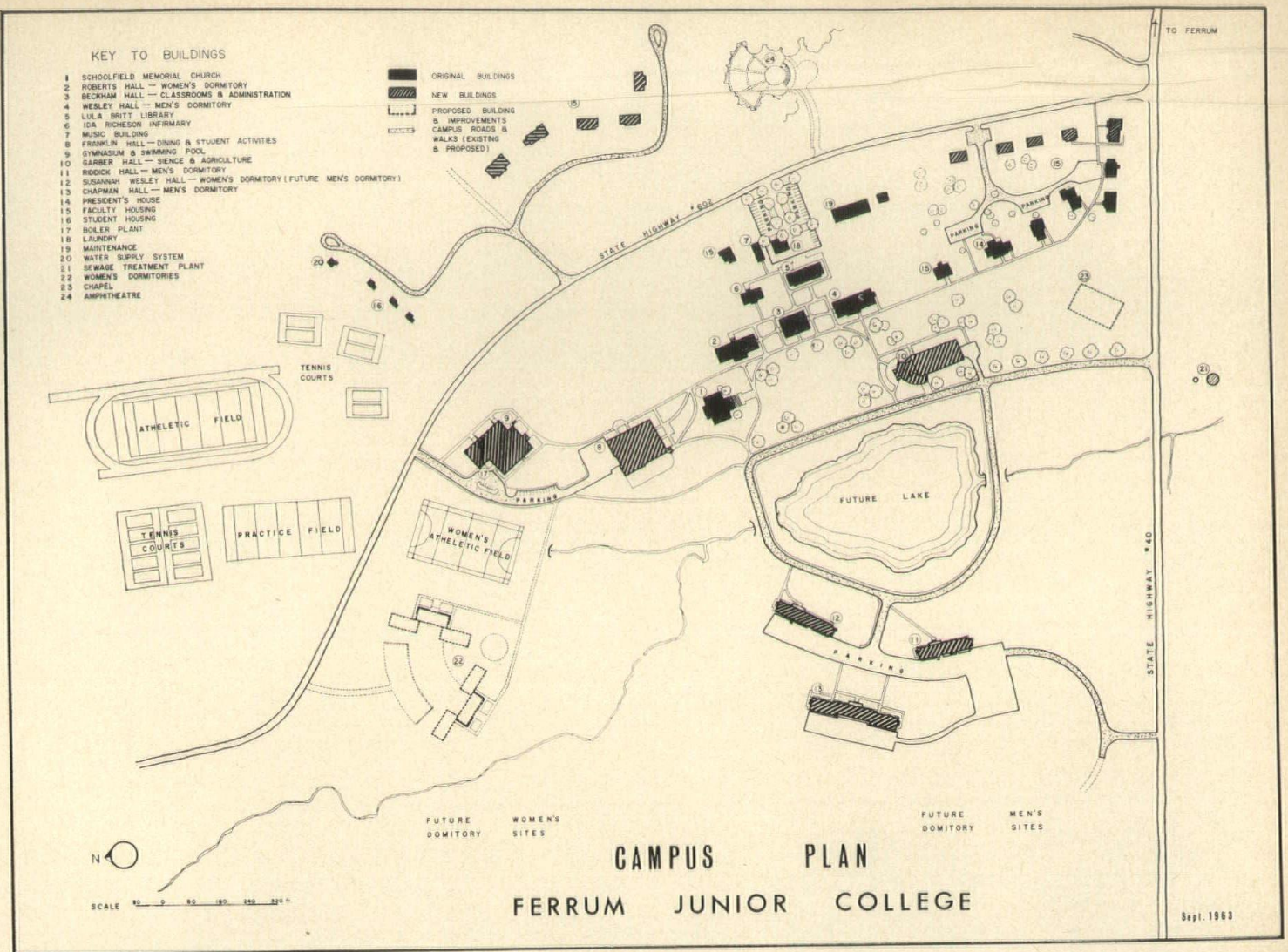
FRANKLIN HALL

Subcontractors & Suppliers

(All of Roanoke unless otherwise noted)

Phil Dieterich, Bethesda, Md., Brown & Grist, Inc., windows and wall panels; Adams Construction Co., paving; Valley Steel Corp., Salem, reinforcing steel; Economy Cast Stone Co., Richmond, cast stone; A. Belanger & Sons, Inc., Lodi, N. J., waterproofing (In-Wall); Associated Steel, Inc., Lynchburg, roof deck; Cates Building Specialties, Inc., metal doors and frames; Pittsburgh Plate Glass Co., glazing, interior partitions; Roanoke Iron & Bridge Works, Inc., structural steel, bar joists, miscellaneous and ornamental iron.

E. V. Poff & Son, Inc., Crab Orchard stone, tile, marble, terrazzo and receptors; Valley Roofing Corp., roofing, insulation, waterproofing; Miller Mfg. Co., Inc., Richmond, millwork; Billy R. Ayers & Son, Inc., lathing and plastering; Grant E. Key, Inc., Lynchburg, kitchen equipment; W. Morton Northen & Co., Inc., Richmond, resilient and acoustical tile; Tom Jones Hardware Co., Inc., Richmond, finish hardware; Progressive Products Corp., plumbing, heating, ventilating; Southwestern Electric Co., electrical; Skyline Paint & Hardware, Inc., painting.



RIDDICK HALL

Subcontractors & Suppliers

(All of Roanoke, unless otherwise noted)

Valley Steel Corp., Salem, reinforcing steel; Webb Bros. Tile Co., terrazzo, tile and marble, Crab Orchard stone; A. Belanger & Sons, Inc., Lodi, N. J., waterproofing; Roanoke Iron & Bridge Works, Inc., structural steel; Virginia Steel Co., Inc., Richmond, metal windows, steel joists, roof deck; Roanoke Iron Works, Inc., miscellaneous metal, ornamental metal; Cates Building Specialties, Inc., metal specialties; Roanoke Engineering Sales, Inc., metal doors and frames.

Pittsburgh Plate Glass Co., glass, glazing, mirrors, aluminum entrance, wall panels, interior partitions; Rusco Window Co., Inc., folding partitions; H. A. Gross, Inc., plumbing, heating, ventilating, roofing and sheet metal work; Miller Mfg. Co., Richmond, millwork; Hampshire Corp., acoustical treatment, lathing and plastering; Chas. J. Krebs Co., resilient flooring; Graves-Humphreys, Inc., finish hardware; Wm. P. Swartz, Jr. & Co., Inc., kitchen unit; Sargent Bldg. Specialties, Arlington, N. J., incinerator; Southwestern Electric Co., electrical work.

to tell the Virginia Story

C. W. HANCOCK AND SONS, INC.

General Contractors

St. Reg. #3

Allied Arts Bldg.

LYNCHBURG, VIRGINIA

General contractor for
Lynchburg Fine Arts Center,
page 26.

Mason Construction Co.

St. Reg. #5484

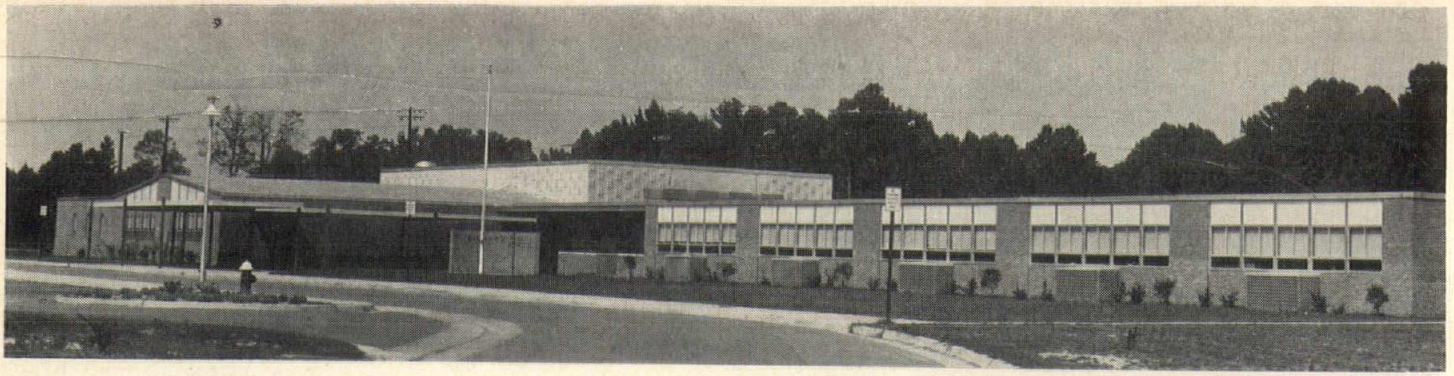
General Contractors

NAtional 9-2643

P. O. Box 206

BASSETT, VIRGINIA

General Contractor:
Burch-Hodges-Stone Office Building
page 53.



RICHARD T. YATES SCHOOL: NEWPORT NEWS

• The Richard T. Yates Elementary School is located in the northern part of Newport News on a 14 acre site. Site improvements include a 25 foot wide approach road, a parking area for 54 cars, separate parking space for 9 busses, two paved playing courts 100 feet x 120 feet and a sewage treatment system.

The plant is designed to accommodate 660 students and contains 22 classrooms, library, administrative offices, toilet facilities, auditorium and cafeteria. The auditorium and cafeteria area can be separated from the remainder of the building by means of

FORREST COILE AND ASSOCIATES Architects

Engineer
W. BOYCE BLANCHARD

General Contractor
W. M. JORDAN CO., INC.

SUBCONTRACTORS & SUPPLIERS

Snow, Jr. & King, Inc., Norfolk, masonry; Standard Iron & Steel Co., Inc., Norfolk, structural steel and miscellaneous iron; Fowler Roofing Co., Inc., Norfolk, roofing and sheet metal; Sash, Door & Glass Corp., Norfolk, glass and glazing; Manson & Utley, Inc., Richmond, acoustical; Pompei Tile Co., Inc., Newport News, ceramic tile, terrazzo and marble; Southeastern Tile & Rug Co., Inc., Hampton, resilient tile; Perry Electric Co., Inc., Newport News, electrical work; Warwick Plumbing & Heating Corp., Newport News, plumbing, heating; Korok, Inc., Alexandria, chalk and corkboard; Hussey & Lowe, Newport News, site improvements; C. E. Thurston & Sons, Inc., Norfolk, walk-in refrigerator.

folding gates and used for community functions. The primary and upper grade classrooms are located in two groups separated by the administrative offices and the main lobby. First grade classrooms have separate toilet facilities.

The structural system is load-bearing walls of Solite block. Exterior cavity walls are brick faced. Floor construction is concrete slabs on gravel fill. The roof system is longspan metal deck with built-in acoustical treatment. Partitions are Solite block.

The corridor floor finish is terrazzo and the wainscoting is ceramic tile. The
(Continued on page 76)



SHIPBUILDING EMPLOYEES' CREDIT UNION

Architects: FORREST COILE AND ASSOCIATES

Engineers: R. C. M. CALVERT, JR. AND ASSOCIATES
MATHEW J. THOMPSON, III

General Contractor: BRYHN & HENDERSON, INC.

• The Newport News Shipbuilding and Dry Dock Company Employees' Credit Union, Inc., is celebrating its 35th anniversary. The culmination of the anniversary year will be the completion of a new office building located at Huntington Avenue and 38th Street in Newport News.

The one story brick and steel frame structure is "L" shaped and will contain 7,000 square feet of floor space. This includes lobby, banking room, conference room, offices and data processing room. The data processing room will contain automated equip-

ment being leased to speed up accounting work of the facility, the membership of which includes 82% of the shipyard enrollment.

A 1500 square foot banking room will have a counter with eight teller spaces and five interview booths. The banking room is defined spatially by a raised ceiling area 14 feet above the floor, which permits the admission of natural light through clear-story windows on four sides. This area is emphasized on the exterior by a wide overhang and a deep fascia. The fascia is broken at the mullions of the clear

story and faced with asbestos panels adding a functional as well as a decorative element.

Interior finishes include terrazzo floors, plaster walls with selected areas of wood paneling and exposed brick, and acoustical ceiling treatments.

The dark brown brick in panel form is broken by large areas of glass and colored asbestos panels.

A landscaped court at the Huntington Avenue entrance to the building provides a feeling of openness not al-

(Continued on page 84)

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Sidewalks, curbs and gutters for
Americana Motor Lodge, page 18.



(Photos by Remsen Studio)

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— Martinsville —

J. COATES CARTER, AIA, Architect

J. RUSSELL BAILEY: Consulting Architect

RAYFORD B. SMITH: Structural Consultant

SOWERS, RODES AND WHITESCARVER:
Mechanical, Electrical Consultants

CONTINENTAL HOMES, INC.: General Contractor

• The Memorial Public Library of Martinsville, completed in July, 1963, represents the efforts of a board of trustees which has worked diligently for many years for a new, modern building.

The entire project was financed by local contributions, including furniture,

fixtures, and landscaping.

In the first 13 days of operation, the library checked out 3,305 books. In a similar time period last year, only 988 books were checked out.

The service section of the building can accommodate future expansion, including offices, work room, children's

reading room. Parking facilities are provided at back of building with a driveway extending through the lot.

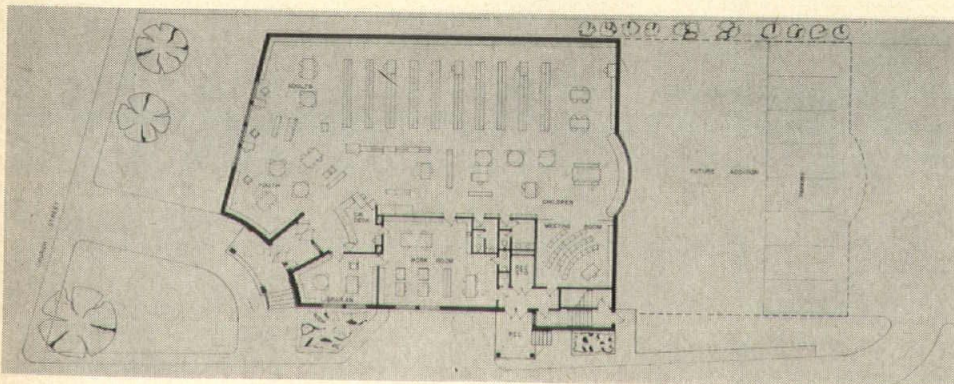
The president of the Board of Trustees for the Library is Dr. C. D. Myers. Other officers are Henry C. Reed, secretary and Charles C. Broun, treasurer.

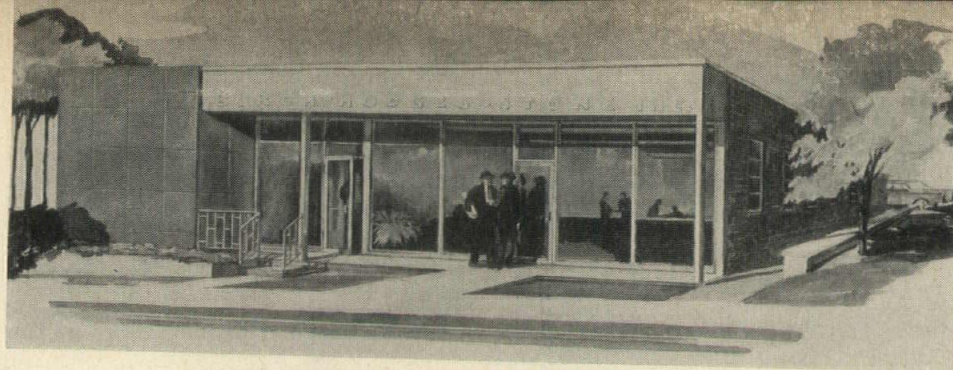
Members of the Board include Irvin Cubine, Ed Draper, D. H. Goode, Mrs. Robert H. Haskell, Mrs. Hugh Kearfott, Mrs. W. L. Pannill, Dr. C. W. Reed, K. Thompson, Miss Bess Tuggle and T. G. Wampler.

The librarian is Mrs. Elizabeth T. Long.

Designed by J. Coates Carter, AIA, Martinsville architect, the building is one story high and 102 feet long by 86 feet wide. Roughly rectangular in shape, the exterior walls are of brick while interior partitions are plaster. The roof is built-up and covered with white marble chips. The windows are aluminum with hopper vents. Floors are concrete slabs finished with vinyl asbestos tile.

Principal subcontractors and suppliers included Martinsville Iron & Steel Co., Inc., steel; Helms Roofing Co., roofing; Dixie Concrete Products, Inc., Winston-Salem, stone work; W. R. Hauger, electrical work; J. R. Bennett, plumbing; Bagby Equipment Co., Inc., Danville, air conditioning, heating. All are Martinsville firms unless otherwise noted.





MARTINSVILLE OFFICE BUILDING

J. COATES CARTER, AIA, Architect

RAYFORD B. SMITH
Structural Engineer

MASON CONSTRUCTION COMPANY
General Contractor

• The Burch-Hodges-Stone office building, erected in 1962, is occupied by one of the oldest firms in Martinsville, founded in 1891, for the purpose of selling real estate and insurance.

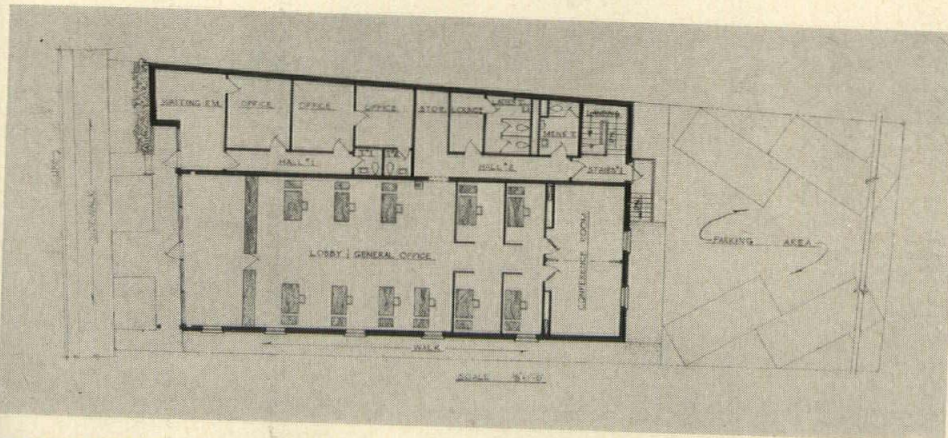
The requirements of the owners called for an open office and work area, private conference, or meeting room, and accessory rooms on the first floor. A number of private offices were to be provided in the additional space occasioned by an irregular lot. These offices can be used by the owners when expansion should demand added area. At the present time, a doctor's office is accommodated on the same floor with separate entrance.

A basement area is provided for heating and cooling equipment and a fireproof storage area.

Parking area is provided at the back of building with access door for personnel.

Principal subcontractors and suppliers included Martinsville Iron & Steel Co., Inc., steel; Helms Roofing Co., roofing; Hite Tile Co., Collinsville, ceramic tile; Charles J. Krebs Co., Roanoke, resilient tile; Lee Brothers Electrical Co., electrical work; T. S. Minter, plumbing; Virginia Blower Co., Collinsville, air conditioning, heating.

Unless otherwise noted, all are Martinsville firms.



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- Burch-Hodges-Stone Office Building, page 53.
- Riddick Hall, Ferrum Junior College, page 48.

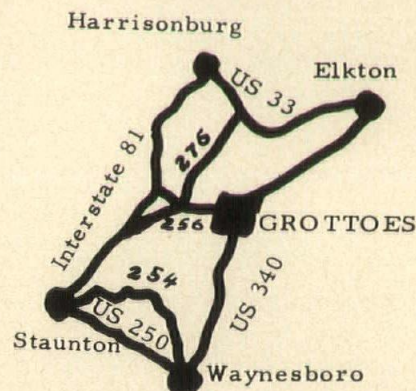


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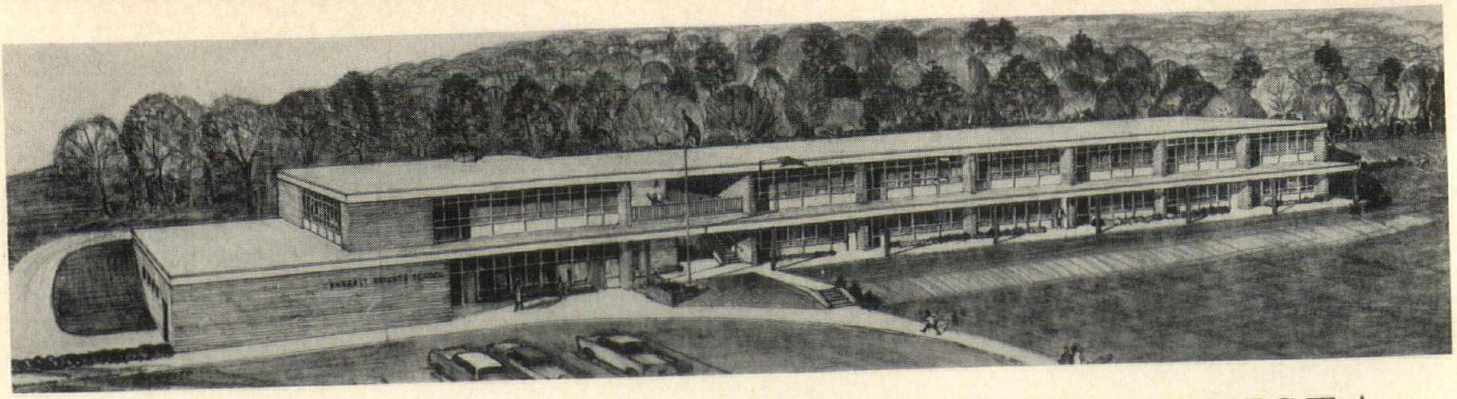
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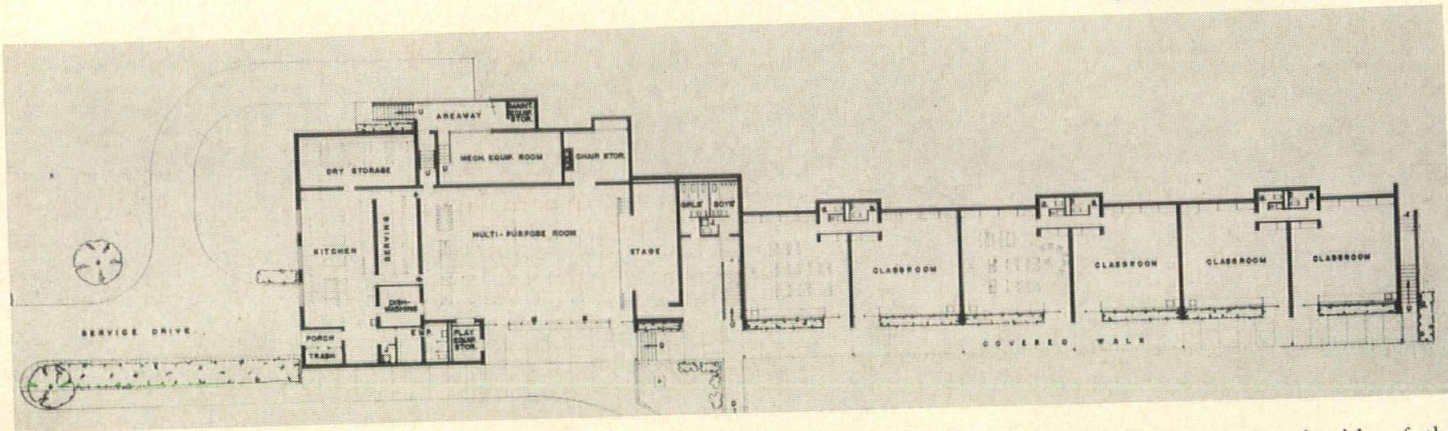
ENDERLY HEIGHTS SCHOOL-BUENA VISTA

RANDOLPH FRANTZ & ASSOCIATES
Architects

SOWERS, RODES & WHITESCARVER
Consulting Engineers

S. LEWIS LIONBERGER CO.
General Contractor

GROUND FLOOR PLAN



• Buena Vista's new Enderly Heights Primary School was constructed at the bottom of a steeply sloping portion of a high eleven-acre site on U. S. Route 501 at the southern city limits. In order to utilize a limited existing comparatively level area for playground and parking, it was necessary that the building be designed to fit into the hillside and be made two stories in height.

The upper story contains six classrooms which open out to ground level in the rear of the building. Also on the upper level, and separated from classrooms by a paved and covered open court, are a library with work room,

a conference room, principal's office, general office, teachers' room, clinic and storage room. On the lower floor there are six classrooms which open out at ground level on the front side of the building. They are likewise separated by an open court from a multi-purpose room with serving line and kitchen. The lower floor also contains storage facilities and a mechanical equipment room. In front of the multi-purpose room is a large parking area for school busses and automobiles. Space has been provided for twenty-four cars.

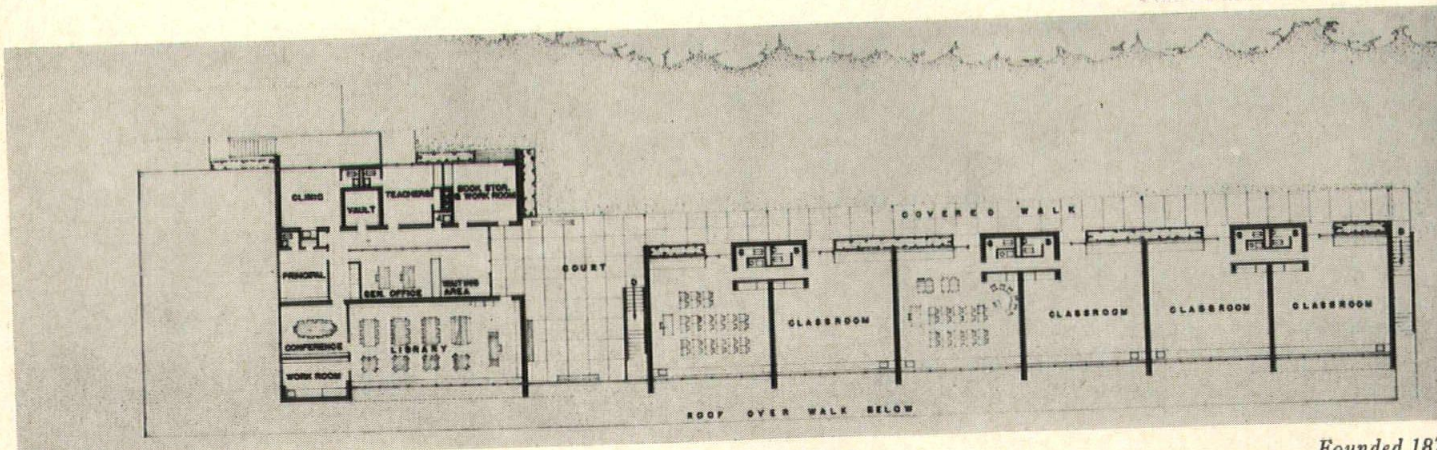
Classroom windows, on both floors,

are on the front or north side of the building, thereby reducing sun glare problems and providing a beautiful view of Buena Vista, the rest of the valley and the mountains beyond. The school has no corridors. Classrooms on both levels have doors opening directly to outside covered walkways from which all other parts of the building can be reached. Each pair of classrooms has its own toilet facilities.

Colors both inside and outside of the building have been carefully chosen. Interior walls are of painted concrete block and the colors vary from space.

(Continued on page 86)

FIRST FLOOR PLAN



Richmond Travel Agency

• Architects Leary and Ciucci with only a modest remodeling budget turned this downtown Richmond travel agency inside out, making an inviting, attractive office from a dreary orifice.

Where before the facade was closed, the new look brought the outside in by opening up the entire front with glass. Where the exceptionally high ceiling had been a source of despair, it is now dramatically featured. Where the very narrow width and long depth of the one room prevented a friendly feeling, a new ceiling and light pattern alludes to increased width, and a division of area enchances groupings.

The new travel office arrangement divided it into three sections. There is a generous reception area at the front, space for general counseling of clients in the center of the space and smaller divisions at the rear for private offices, a conference room, files and storage. At the back of the general client counseling space is a screened area containing current files, reference books and cabinets especially designed for the unique practice of keeping thousands of folders in open stock.

The design of the front resulted from the high floor level of the building and other building characteristics that could not be changed. The glass was extended upward to the maximum and the former bulkhead faced in Greenstone. Above the entrance door a jalousie transom provides between-season ventilation in conjunction with exhaust fans. The jalousie is faced with an expanded aluminum screen, which is the base for the sign for the firm which is the oldest and largest travel agency in Virginia.

Principal subcontractors and suppliers included the following Richmond firms: American Glass Co., glass and aluminum; Frick, Vass & Street, Inc., painting; Consolidated Tile Co., flooring and ceiling; H. Beckstoffer's Sons, millwork; Oliva & Lazzuri, Greenstone; Montague-Betts Co., Inc., handrails; Otis W. Jones, electrical work; Catlett-Johnson Corp., air conditioning, heating; Talley Neon, letters; Herman's Woodwork Shop, special cabinets and counters.



ROBERT J. LEARY, AIA—JOSEPH V. CIUCCI, JR., AIA
Associated Architects

THOMAS W. SMITH: Consulting Mechanical & Air Conditioning Engineer

LEO T. GRIFFIN: Consulting Electrical & Lighting Engineer

M. E. HOWARD & SON, INC.: General Contractor



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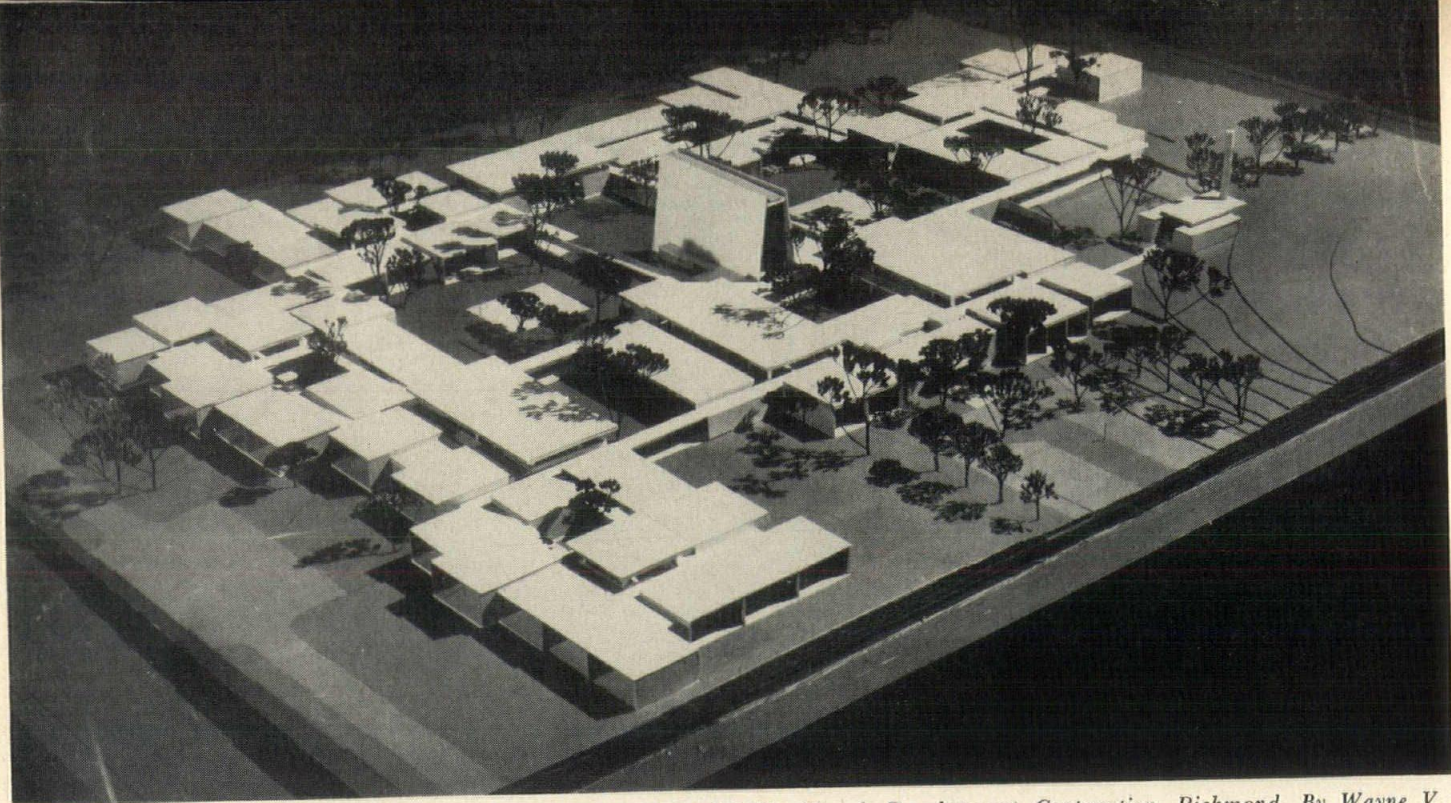
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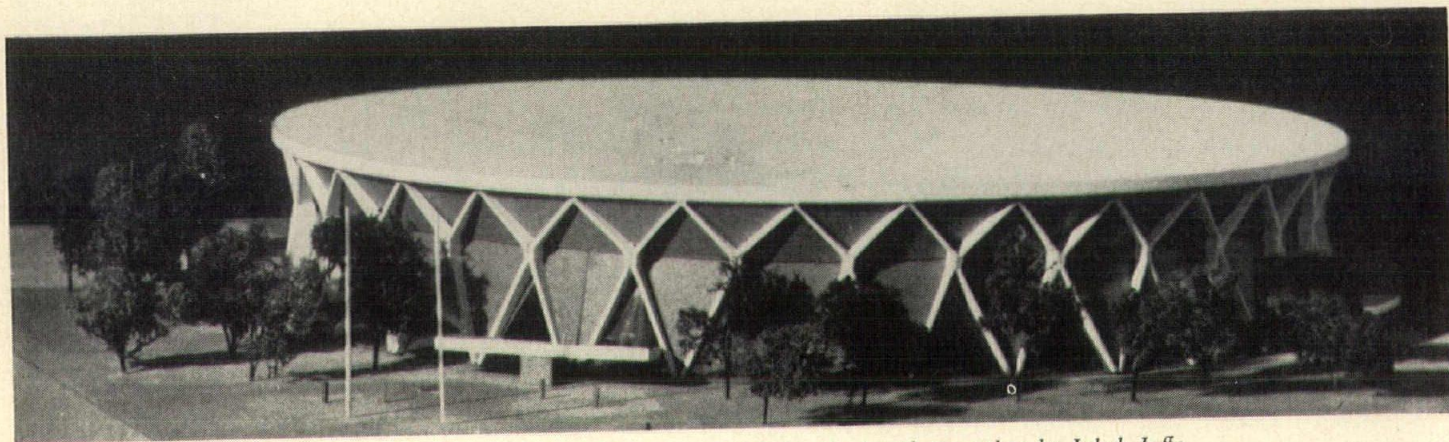
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VIRGINIA COUNCIL OF CHURCHES HOME FOR THE AGED: Church Development Corporation, Richmond. By Wayne V. Modisett, Architectural Thesis Project, Virginia Polytechnic Institute.

V.P.I. STUDENT PROJECTS



CIVIC CENTER ARENA FOR RICHMOND: Architectural project for the fourth year class by Jakob Joffe.

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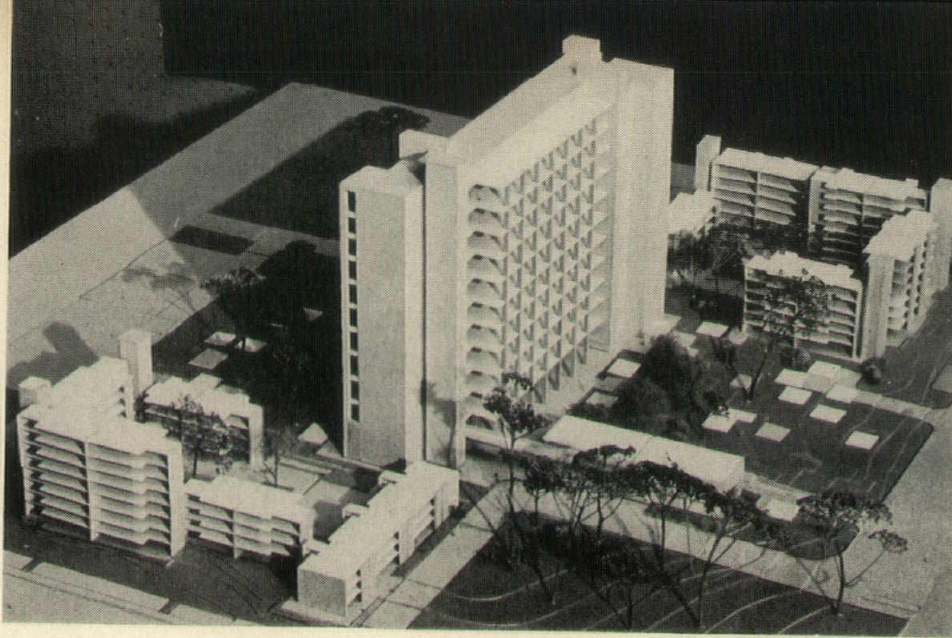
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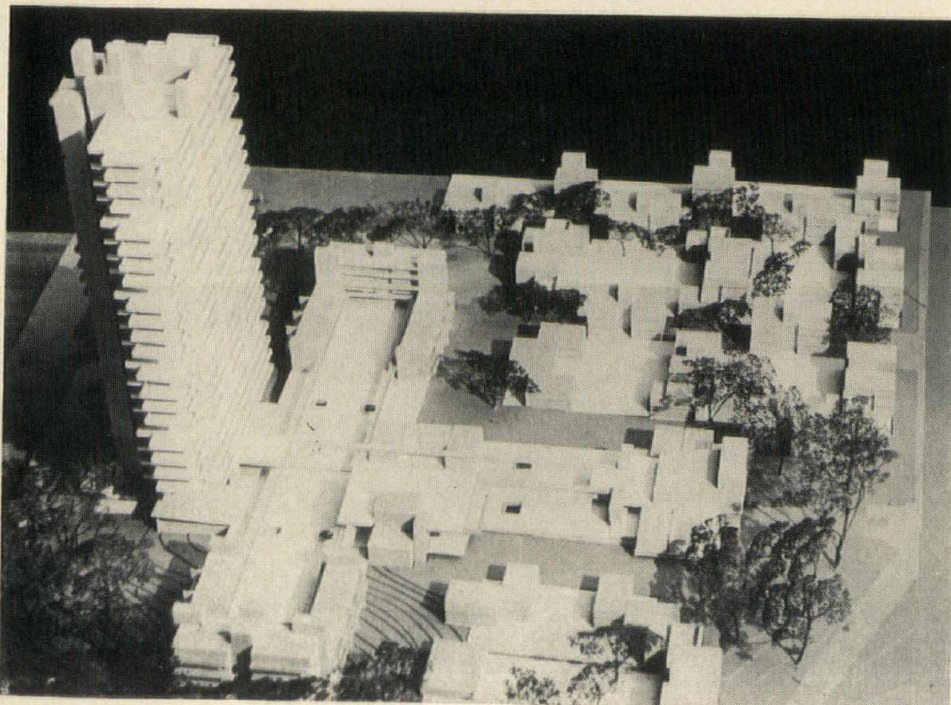
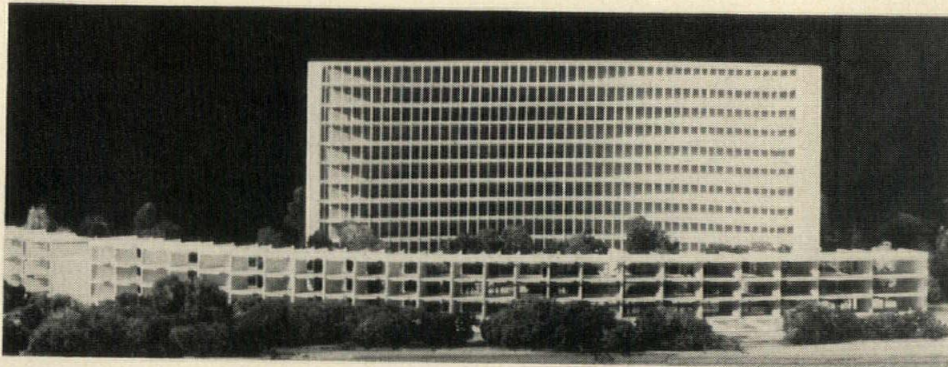
Salem, Virginia

General Contractor • William Fleming High School, page 22.
 • Magic City Motors, page 37. • Clifton Forge-Waynesboro Telephone Company Exchange, Covington, page 63.



VIRGINIA CENTER FOR RESEARCH & DEVELOPMENT

The three projects on this page represent plans for the Conference-Administration and Housing Area of the Virginia Center for Research & Development. All are by fifth year architectural students at VPI. Above, design by Daniel P. McKim; center, by Edward C. Benner, and below by Robert W. Mobley.



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Dining Hall, page 43.

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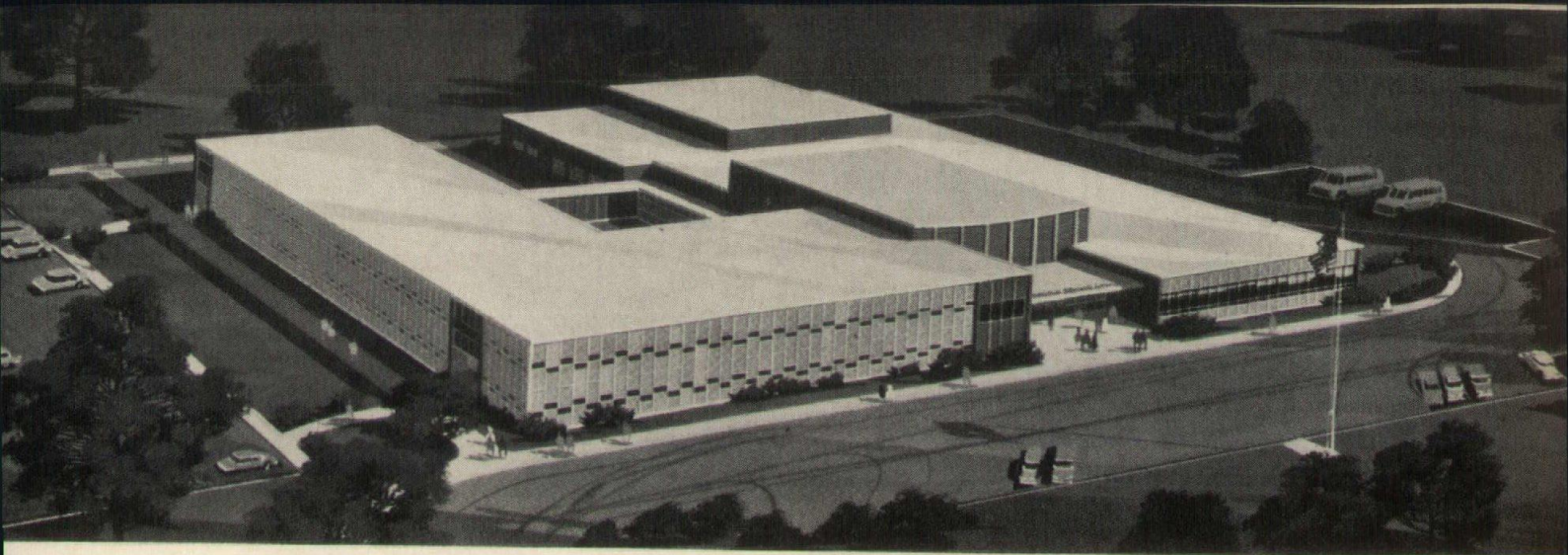
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Architects-Engineers: H. D. NOTTINGHAM & ASSOCIATES

Consulting Engineers: POLYSONICS, INC.—Acoustical

General Contractor: SHARPE & HAMAKER, INC.

■ Ground was broken at Woodbridge, Virginia in mid July for one of the most up-to-date senior high schools in northern Virginia. This senior high school, being built under the general direction of Stuart M. Beville, Division Superintendent for the Prince William County School Board, is part of the far reaching program of the County School Board to provide adequate and modern school facilities and is scheduled for completion in time for the 1964 school year.

While not unique, the Woodbridge Senior High School is an advent, being one of, if not the first, fully air conditioned school plants constructed in the northern Virginia area.

The structure is roughly 300 feet square with an open court, the majority of its 92,000 square feet of space at ground level. The school is designed for a 1,000 senior high school student body and includes kitchen and cafeteria

facilities to serve the student body and faculty.

In addition to the normal administrative and utility areas, the school contains an auditorium, gymnasium, shops for automotive instruction and a complete facility for instruction in cosmetology. All of the structure except the gymnasium, automotive shop and utility area is air conditioned. Heating and air conditioning is provided by room air processing units served by a central boiler plant having a chilled water source.

The basic construction system is load bearing curtain walls. Exterior walls are prefabricated porcelain enamel panels with fenestration between the supporting mullions except where brick is used for exterior walls.

Modern design techniques and modern construction methods have been carefully combined with the latest developed materials and equipment with

the result that the cost of this modern facility is less than \$11.00 per square foot for the structure proper.

SUBCONTRACTORS & SUPPLIERS

Tyler Bros. Construction Corp., Springfield, excavating; Cannon Construction Corp., Alexandria, masonry; Montague-Betts Co., Inc., Lynchburg, structural and miscellaneous steel, steel roof deck, hardware; Dornin-Adams, Inc., Lynchburg, roofing; Cupples Products Corp., Washington, D. C., windows; Fenestra, Inc., Washington, window walls, curtain walls; Vienna Glass Co., Vienna, glazing.

Arlington Maintenance Co., Arlington, painting; Bilton Insulation & Supply, Inc., Arlington, insulation, acoustical; Dodd Bros., Inc., Falls Church, plaster, lathing; Miller Floor Co., Arlington, resilient tile; Standard Art, Marble & Tile Co., Inc., Washington, ceramic tile, terrazzo; R. L. Dresser, Inc., Raleigh, N. C., maple gymnasium floor; Bilt-Rite Steel Co., Washington, steel doors and bucks; Trovato Electric Co., Inc., Arlington, electrical work; Baco Co., Inc., Arlington, plumbing fixtures, plumbing, air conditioning, heating and ventilating; Building Specialties, Inc., Silver Spring, Md., chalkboards, tack boards, etc.; Schwab Safe Co., Lafayette, Ind., vault doors.

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Prestressed concrete suppliers for the new Bowles Bake Shop, page 66.

- The Enderly Heights Primary School, page 54.
- Lynchburg Fine Arts Center, page 26.
- Magic City Motors, page 37.



TROVATO OFFICE BUILDING

Architect
ANTHONY F. MUSOLINO, AIA
Associate Architect
JOHN HUNTON
Mechanical Consultant
KENDRICK AND REDINGER
Structural Consultant
MORRIS W. GREEN
General Contractor
DUNHAM CONSTRUCTION CO.
(Subcontractors and suppliers on page 82)

• This is a new office building, recently completed, located on North Randolph Street near Fairfax Drive, Arlington. It contains 12,000 sq. ft. of floor area, two stories of offices above grade with an outside ramp to 21 parking spaces in the basement. On-site parking is provided for an additional 10 cars.

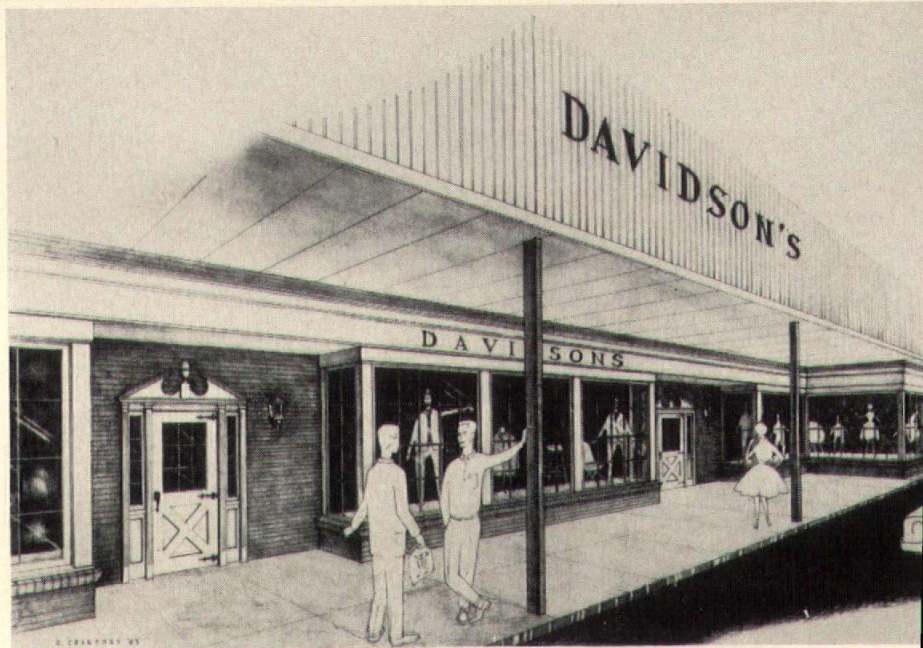
The basic structure is an exposed rigid steel frame painted rust brown, with grey solar glass and aluminum curtain wall running uninterrupted behind the columns. The end walls are a sandy-brown brick, and floor and roof construction is concrete on steel joists.

The office areas are subdivided by movable partitions, with interior zones served by ducted air conditioning and exterior zones served by low unit ventilators behind the glass.

Cost of construction for this project was approximately \$13.00 per sq. ft. exclusive of land purchase and razing existing houses.

DAVIDSON'S CHARWOOD SHOP — ROANOKE

Architect
J. GARRY CLAY, AIA
Consulting Engineers
HAYES, SEAY, MATTERN & MATTERN
General Contractor
W. J. BLANE



• J. Garry Clay, AIA, was the architect for the remodeling and this addition to the Davidson's Charwood Shop in Tower Shopping Center, Roanoke, which doubled the size of the sales space available in the store.

Detailing of the building, for which Hayes, Seay, Mattern and Mattern were the consulting engineers, is all colonial, both outside and in. The building measures 40 by 75 feet and is rectangular in shape. Walls are brick block with steel interior partitions. The roof deck is metal, with built-up roofing. Steel sash windows were used and floors are of concrete with various coverings.

General contractor for the project was W. J. Blane, of Roanoke who did the masonry work, and carpentry.

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Building, page 37, and Bowles
Bake Shop, page 66.

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on page 42.

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ROANOKE, VIRGINIA

General Contractor for the
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page 37.

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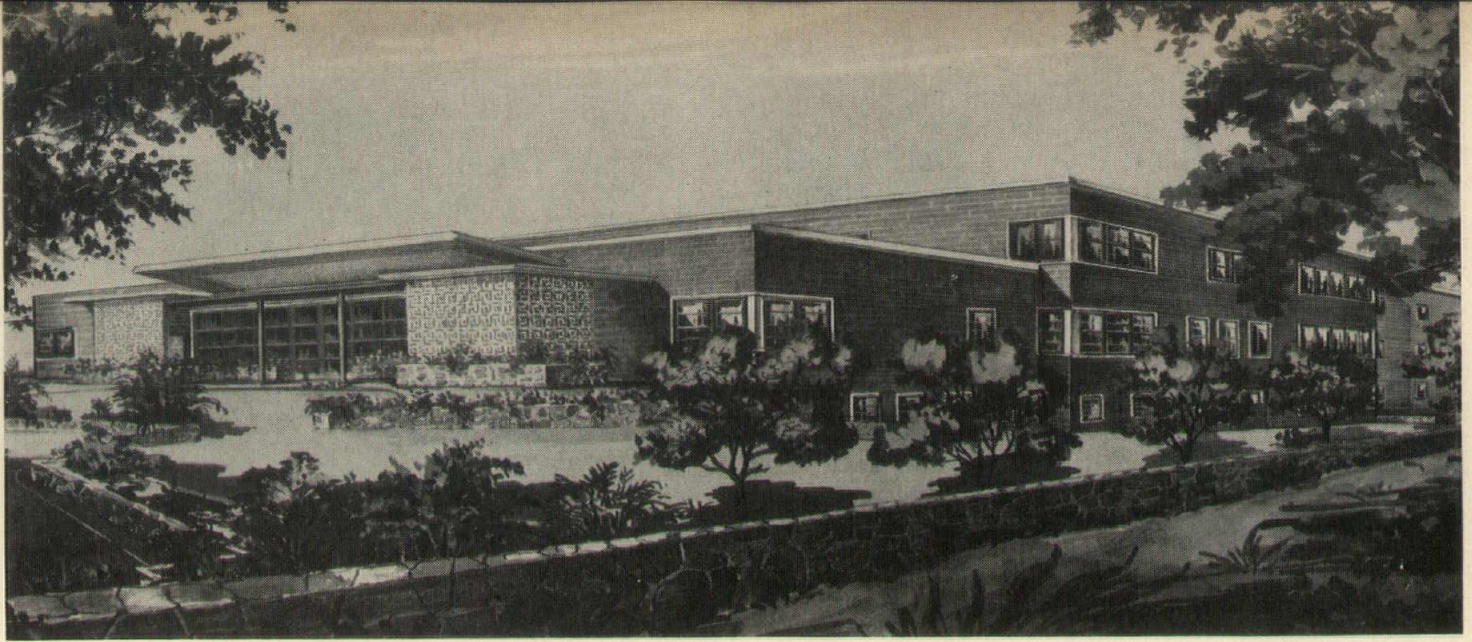
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HOPEWELL, VIRGINIA



FAIRFAX NURSING HOME

EARL B. BAILEY, AIA
Architect

KENDRICK & REDINGER: Mechanical Consultants
BORIS TIMOSHENKO: Landscape Architect

FORTUNE ENGINEERING ASSOCIATES
Electrical & Structural Consultants
EUGENE B. SIMPSON & BRO., INC.: General Contractor

CONSTRUCTION is now underway on the new 194-resident Fairfax Nursing Home in Fairfax, designed by Earl B. Bailey, AIA, architect. Located at 400 West Main Street, the \$1,200,000. structure is being built by Eugene Simpson and Bro., Inc., Alexandria.

Of completely fire-proof construction, the building is "L" shaped, 200 by 160 feet and four stories high. The

exterior is of brick and cast stone. The windows are aluminum. Floors are of steel joist construction. The roof is Gypsum deck over steel joists. Interior partitions are constructed using steel studs with drywall facing. Floors are finished in vinyl tile except for the baths which, along with the utility spaces, are of ceramic tile. Special sound insulation has been installed in

all of the partitions between rooms. The ultra-modern kitchen, for which Associated Food Service Consultants, of Washington, were the designers, has the latest in equipment including a traveling belt for the assembly of individual meals.

Contained in the building are four dining rooms, four living rooms, a
(Continued on page 80)

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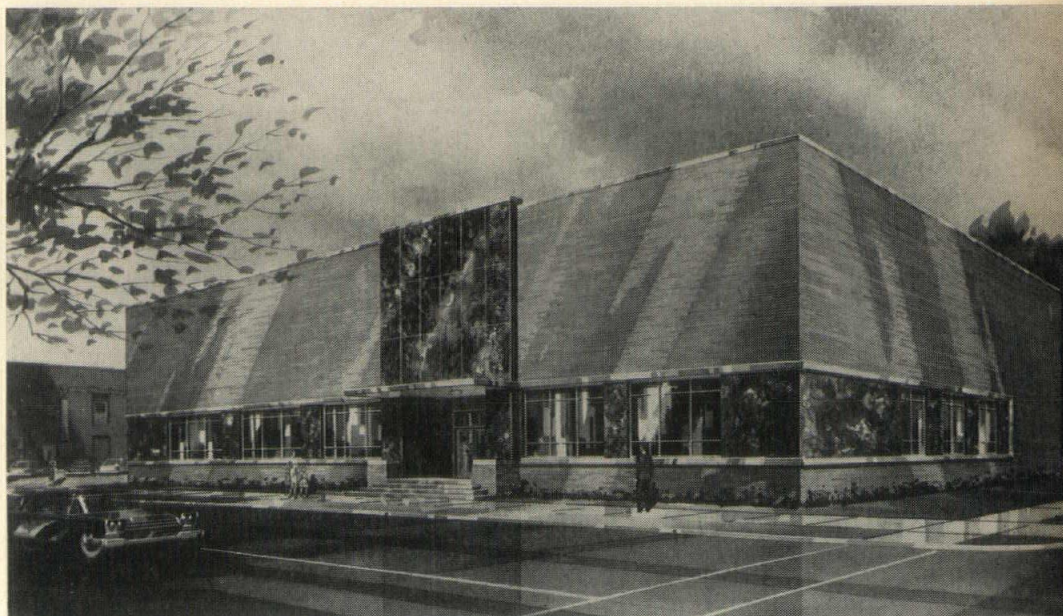
board room, operators' lounge, commercial and traffic offices and the usual appurtenances; the entire second floor will be occupied by dial equip-
(Continued on page 72)

Architects
FLEMING R. & C. D. HURT, JR.

Consulting Engineers
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WELLER & GOOCH, Mechanical & Electrical

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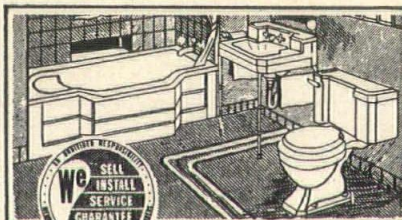
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General contractor:

- William Byrd Motor Hotel,
page 25.
- Virginia Mutual Benefit Life Bldg.,
page 29.

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Locker Room, Princess Anne Country Club,
page 33.

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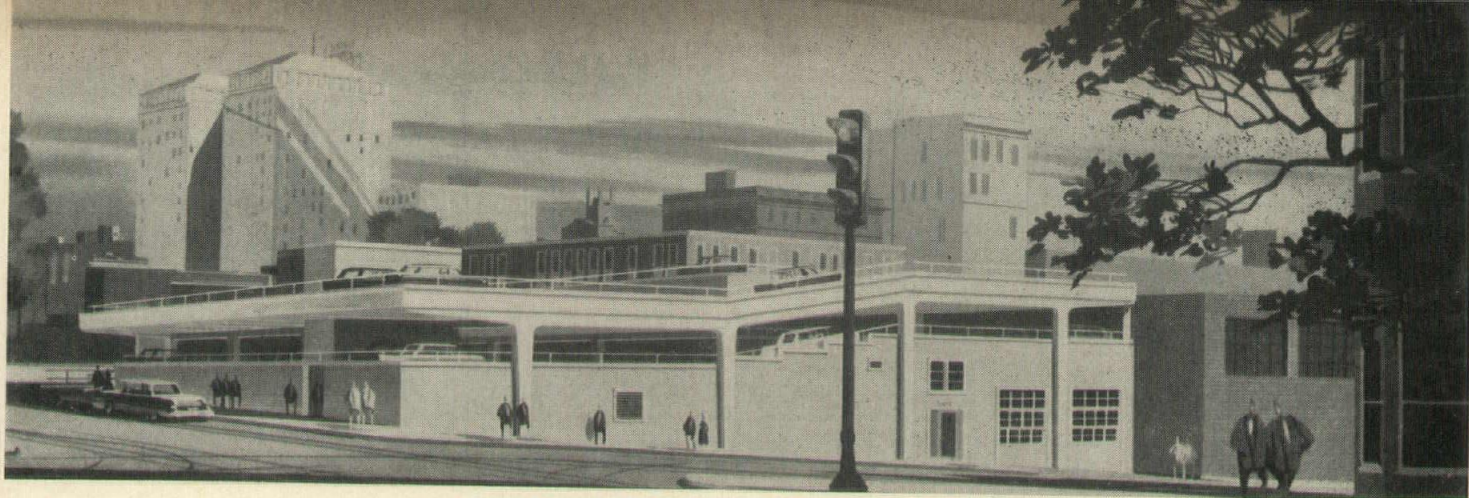
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Masonry contractor for the Calvert Apartments, page 17.



PARKING GARAGE FOR RICHMOND NEWSPAPERS, INC.

BASKERVILL & SON—Architect

DOYLE & RUSSELL—General Contractor

THIS Parking Garage is being built to provide parking for the trucks and cars used by Richmond Newspapers, Inc., and further to provide facilities for repairing, lubricating, and washing these vehicles.

The property at the northwest corner of Third and Cary Streets was carefully selected to provide direct routes to and from the newspapers' plant at Third and Franklin Streets.

The trucks will enter the lower level through an alley from Fourth Street and exit via a ramp from the lower level to Third Street. Exits from the

wash rack and lubrication bays are provided on Cary Street.

This lower level has space for parking 24 vehicles.

The two lubrication bays and two repair bays are enclosed by overhead rolling steel doors and are equipped with twin post lifts which can raise the vehicles to the proper working levels. In this part of the garage a clear height of 16'-9" is provided.

Adjacent to the repair and lubrication area is an office, a parts storage room and a locker room and toilet for the truck drivers at the lower level;

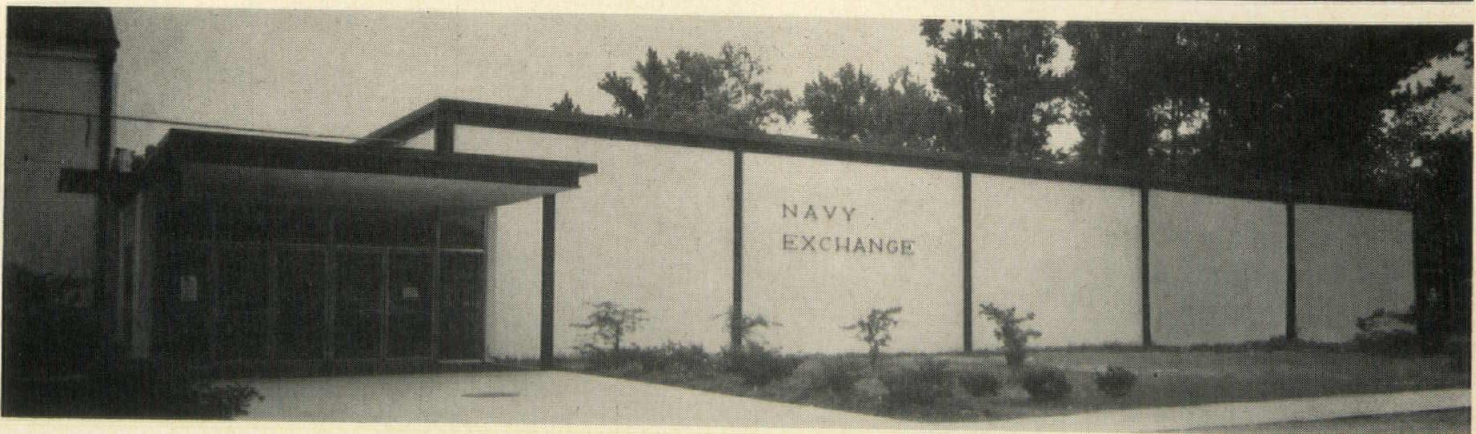
and a dining area, a room for air compressors and lubrication equipment, and a locker room and toilet for mechanics is provided on a mezzanine floor above.

The wash bay is the drive-through type and will be equipped for both washing and drying the vehicles.

Gasoline pumps and storage tanks are also provided near the Fourth Street entrance for servicing the vehicles as they enter.

Above the garage are two ramp type open parking decks with spaces for 42

(Continued on page 70)



LITTLE CREEK NAVY EXCHANGE

LEAVITT ASSOCIATES
Architects-Engineers

GLENN YATES, AIA
Associated Architect: Design

WEBSTER CHANDLER
Consulting Engineer: Mechanical-Electrical

JOSEPH S. TUGWELL
General Contractor

COMPLETED on June 11, 1962, the new Navy Exchange Retail Store was a great departure from the previous facility. It is two and one-half times larger than the previous retail store and was designed as an entirely new retail shopping facility. The previous store had been located in a converted facility.

An integral part of the new building is the warehouse facility which, because

of its location, is available to restock the retail area as necessary. Ordinarily a day would elapse before items could be brought from a separate warehouse.

Fluorescent lighting, acoustical suspended ceiling and light, pastel colored walls provide a cheery atmosphere. Colorful sales displays, counters, gondolas, arranged largely for self-service,

(Continued on page 79)



NEW BAKE SHOP AND PLANT, ROANOKE

Architects—GUERRANT & MOUNFIELD

General Contractor—J. H. FRALIN & SON

CONSTRUCTION was completed last winter on a new combination plant adjoining the present Bowles Bake Shop on Williamson Road in Roanoke. Architects Guerrant & Mounfield designed the one story structure which is 42 by 110 feet. The first of its type in Virginia, according to the architects, there is a specially designed bakery show room and sales room at the front of the building. In the showroom, customers are shown colored pictures and films of the firm's specialties which are in the catering field.

The building has concrete floors and roof. The walls are Vitra tile glazed block in the bake firm's color scheme of turquoise and white.

Behind the sales room is located an

office and dispatch room. The baking department occupies the rear of the building.

There is a lounge for employees included in the building, which is entirely air-conditioned except for the baking department. Two gas fired ovens of 24 tray capacity are installed in the building, replacing the single oven in the old plant which was torn down to make parking area for the new building.

In the sales and show rooms the walls are finished in birch paneling and the floors are parquet. Fixtures are of platinum walnut with bronze metal trim.

The firm, which operates three retail stores in addition to the new one at the

new plant, sells its products in eight stores and a number of restaurants.

J. H. Fralin & Son, Roanoke general contractor, also did the work on foundations, concrete, masonry, carpentry, paneling, resilient tiling, waterproofing and weatherstripping. Principal subcontractors and suppliers, of Roanoke unless otherwise noted, included the following:

J. P. Turner & Brothers, Salem, excavating; Associated Steel, Inc., Lynchburg, windows, steel, steel roof deck; Virginia Prestressed Concrete Corp., prestressed concrete; Southern Roof Deck Co., Inc., insulating roof deck; I. N. McNeil Roofing Co., roof insulation, roofing; Salem Glass Corp., Salem, glazing; Skyline Paint & Hardware, Inc., painting, plastic wall finish; Billy R. Ayers & Son, plaster; E. V. Poff & Son, Inc., ceramic tile; Sink & Son Floor & Tile Co., Inc., wood flooring; South Roanoke Lumber Co., millwork; Engleby Electric Co., Inc., lighting fixtures, electrical work; Weddle Plumbing & Heating Co., plumbing fixtures, plumbing, air conditioning, heating, ventilating; Adams Construction Co., Inc., paving. Acid-resistant brick floors in the baking areas were installed by E. V. Poff & Son, Inc.

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Lynchburg Fine Arts Center, page 26.

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Concrete supplier for Manchester Senior High School, page 30.

Motor Hotel Conversion

(Continued from page 25)

The band of specially shaped Mo-Sai panels above the main floor serves to tie the units of the building together visually and provides a striking background to the immense internally lighted sign.

The new parking facility adjacent to the Motor Entrance is enclosed along Broad Street with a planter in which Richmond Hotels have placed specimen shrubs including boxwoods from Berkeley Plantation on the James. The west boundary of the area is the wall of the Capitol Theater which has been waterproofed, parged, painted and decorated with large plaques bearing the hotel corporation's crest. The area is cut off from the alley with a Rustake fence.

SUBCONTRACTORS & SUPPLIERS

(All Richmond firms unless otherwise noted)

Southern Materials Co., Inc., supplier of paving material, concrete; Empire Granite Co., stone setting, masonry; Cruickshanks Iron Works Co., steel, steel roof deck; R. P. Whitley Roofing Co., Inc., waterproofing, roofing; Economy Cast Stone Co., furnished Mo-Sai; F. Graham Williams Co., Inc., Atlanta, furnished Blue Stone; Binswanger Glass Co., Inc., glazing; Lane Brothers, Inc., painting, plastic wall finish; Gayle S. Mann, Jr. & Co., Spracrete; McL. T. O'Ferrall & Co., acoustical, resilient tile, wood flooring; J. A. Wilton, Jr., plaster; R. A. Siewers Lumber Co., Inc., millwork; Union Electric Co., Inc., lighting fixtures, electrical work; Gundlach Plumbing & Heating Co., Inc., air conditioning, heating, ventilating; Brooks-Gray Sign Co., Inc., signs; Western Industries, electric gate. The general contractor did the concrete work and carpentry.

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Covington Telephone Exchange,
page 63.

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William Fleming High School,
page 22.

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Parking Garage

(Continued from page 65)

cars on the first deck and 44 cars on the second deck, and the foundations are designed to carry two additional decks each with space for 46 cars.

The structure is of reinforced concrete with cantilevered pan slabs poured in place. In order to provide a free turning area at the lower level two columns were omitted and two large reinforced concrete beams 7'-0" deep x 2'-4" wide were designed to span 56'-4" and carry column loads from the upper decks.

The lower story and a stair well on Third Street are faced with tan brick. Wall panels between decks along the north and east property lines are filled-in with Solite block. The repair and lubrication areas are heated with ceiling hung radiant electric heaters. A positive supply and exhaust air system is provided for the enclosed garage and a separate carbon monoxide exhaust system is provided in the repair area.

The building is now under construction and is scheduled to be completed by April of 1964.

SUBCONTRACTORS & SUPPLIERS

E. G. Bowles and G. P. Clay, excavating; Western Waterproofing Co., Inc., masonry and concrete coating; Southern Brick Contractors, Inc., masonry; Houck & Greene, steel and iron furnishers; Montague-Betts Co., steel supplier, reinforcing; R. E. Lawrence & Co., steel installation, reinforcing.

N. W. Martin & Bros., Inc., roofing, sheet metal and waterproofing; Economy Cast Stone Co., cast stone; Staley Co., Inc., metal doors and frames; Binswanger Glass Co., Inc., glazing; Street & Branch, painting; E. S. Chappell Co., Inc., caulking.

Western Waterproofing Co., Inc., deck waterproofing; McL. T. O'Ferrall & Co., sprayed insulation; Oliva & Lazzuri, Inc., ceramic tile, marble; J. S. Archer Co., rolling steel doors; W. A. Christian Co., electrical work; Grinnell Co., Inc., sprinkler; Ceco Steel Products Corp., metal pans.

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for Manchester Senior High School, page 30.
- Installation of Insulrock roof deck for
West End Orthopaedic Clinic, page 45.
- Installation of steel roof deck for
Lynchburg Fine Arts Center, page 26.

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- Plumbing, heating and ventilation for William Fleming High School, page 22.

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(Continued from page 63)

ment, save for a small test board room and men's lounge.

The air conditioning and heating equipment, cable vault, battery and emergency generator equipment and storage rooms are located in the basement. Because of infrequent but possible high water conditions, the first floor is 30" above grade and all grilles, louvers, entrances, etc., are raised above this point to protect the building and its equipment in the most severe weather conditions which have been recorded in the Covington area in approximately 50 years.

SUBCONTRACTORS & SUPPLIERS

D. D. Kerns, Covington, excavating; Superior Ready Mixed Corp., Covington, concrete; Roanoke Iron & Bridge Works, Inc., Roanoke, steel; Virginia Metal Products, Inc., Orange, steel partitions; Southern Roof Deck Co., Inc., Roanoke, roof deck; Frank Kerby & Sons, Inc., Waynesboro, roofing; Economy Cast Stone Co., Richmond, stone work; Brown & Grist, Inc., Newport News, windows.

Pittsburgh Plate Glass Co., Roanoke, glazing; E. V. Poff & Son, Inc., Roanoke, terrazzo, ceramic tile; W. Morton Northern & Co., Inc., Richmond, resilient tile; Montague-Betts Co., Inc., Lynchburg, steel grating; Barnes Millwork Co., Roanoke, millwork; Valley Metal Products Corp., Roanoke, steel doors and bucks; Graybar Electric Co., Inc., Roanoke, lighting fixtures; Shenandoah Electric Co., Lexington, electrical work; Lowe & Nelson Plumbing & Heating Corp., Roanoke, plumbing (American-Standard fixtures), air conditioning, heating and ventilating.

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Roofing contractor for the Fairfax Nursing Home, page 63.

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37.

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Manchester School

(Continued from page 30)

and storage. The gymnasium has folding bleacher seats for 1200 and a folding partition to divide the gym into two teaching stations, each with its basketball court.

Separate rooms are provided for choral and for instrumental groups, and each has adjoining small practice rooms, storage and office. The entire music suite has special design and acoustical treatment to provide good acoustical environment. All doors in these areas are sound retarding type, walls are of special thickness and no wall is parallel to an opposite wall.

The cafeteria, with seats for 450, opens to a central court with grass, terrace areas and seats. The large cafeteria windows have tinted glare-reducing glass and give a feeling of openness without the exposure to direct sunlight and sky glare. There will be a separate staff dining room.

The entire school is electrically heated and has terrazzo floors for all classrooms, corridors, laboratories and administration areas. The structure is generally of wall bearing type with painted Solite masonry block walls, steel roof joists and acoustic tile ceiling.

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Roofing contractor for the Princess Anne Country Club, page 33.

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Subcontractors for electrical work on West End Orthopaedic Clinic, page 45.

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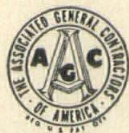
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Painting contractors for Diplomat Motel, page 40.

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WASHINGTON, D. C.

Ceramic tile contractor
for The Calvert Apartments,
page 17.

The Calvert (from page 17)

concrete with turned-up concrete railings.

Also unique in this area is the completely enclosed all-year swimming pool located on the roof. Sun terraces, resident recreation room and pool toilets are also located at the roof level.

The structure of the building is of reinforced concrete, flat plate design. Exterior walls are of brick with aluminum casement windows and aluminum sliding glass doors. The interior partitions are of cinder and gypsum block, plastered. The heating and air conditioning is provided through fan coil units on the exterior wall of each room with a boiler and chiller located in the basement boiler room.

Yates School (from page 50)

wainscot finish of the classroom spaces is a permanent, porcelain type, paint. The floor finish generally is asphalt tile and the walls painted Solite block.

Each classroom is climate controlled by use of heat pumps located in the exterior wall. These units operate automatically from heating to cooling cycles. This system eliminates the need for a boiler room, stack, fuel storage, heating piping, and ductwork. Heat is extracted from the exhaust air to warm incoming fresh air. The heat pump unit is built into the wall and on either side space is provided for cubicles and work counters.

St. Stephen (from page 24)

This is a mission church and as such has been built with the maximum conservation of funds. The general contract which included the landscaping, chancel furnishings and stained glass was slightly under \$90,000. Pews have been deferred, and the future will see additional wings to the side and rear to provide for the rapidly expanding educational needs.

All of the furniture, fabrics and stained glass were designed by the architect in an effort to coordinate the total design of the building. Stained glass was executed by the Willet Studios of Philadelphia.

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page 34.

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Navy Exchange

(Continued from page 65)

were provided by the Navy Exchange Office. The building is air conditioned with four rooftop air conditioners and contains piped music to make shopping a cool and pleasant experience.

In order to minimize maintenance, the finish floors are constructed of terrazzo. Walls are masonry block units, painted on the outside in accordance with Navy Ship Store Office requirements.

SUBCONTRACTORS & SUPPLIERS

(All of Norfolk)

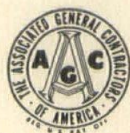
Harry M. Brown, plumbing, heating and air conditioning; Ferrell Linoleum & Tile Co., Inc., terrazzo, ceramic tile; E. Caligari & Son, Inc., painting; B & P Electric Co., Inc., electrical; Manson & Utley, Inc., Roof Engineering Corp., acoustic tile; Roof Engineering Corp., Tectum roof deck; Eastern Roofing Corp., roofing; Building Supplies Co., front entrance, glass and glazing; Hampton Roads Plastering Co., Inc., plastering; Door Engineering, metal doors, frames, overhead doors, finish hardware.

The general contractor did the masonry, concrete and carpentry work.

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Roofing contractor for William Byrd Motor Hotel, page 25.



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Roofing contractor for Colonial Group, Inc., page 21.

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Spracrete Waterproofing for
William Byrd Motor Hotel, page 25.

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SUFFOLK, VIRGINIA

Plumbing contractor for the new
American Bank & Trust Company Building, page 46.

Fairfax Nursing Home

(Continued from page 63)

chapel, complete physical therapy and occupational therapy installations, a beauty shop, barber shop and three solaria.

The owners of the project, Carl Howe and Robert Bainum, project that the home will provide a blend of the care of professional nursing with the charm of suburban living. Emphasis in the design was placed on congenial living and complete safety.

Target date for completion of the project is June of next year.

SUBCONTRACTORS & SUPPLIERS

Virginia Concrete Co., Inc., Fairfax, supplier of ready-mix concrete; Southern Iron Works, Inc., Springfield, handrails, steel; Virginia Roof Decks, Inc., Woodbridge, steel roof deck; Virginia Roofing Corp., Alexandria, roofing; Piquado Stone Co., Adelphi, Md., stone work; Pittsburgh Plate Glass Co., Washington, glazing; Peter Gordon Co., Washington, waterproofing; Avon Tile Co., Inc., Washington, ceramic tile.

Others were Miller Mfg. Co., Inc., Richmond, millwork; Columbia Products Co., steel doors and bucks; Trovato Electric Co., Inc., Arlington, electrical work, lighting fixtures; Dwyer, Inc., plumbing, air conditioning, heating; Douglas Distributing Corp., Washington, kitchen equipment.

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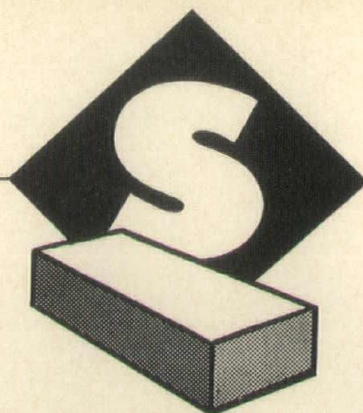


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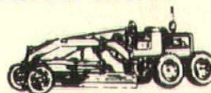
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Randolph-Macon Dormitory-Dining Hall, page 43.

Trovato Building

(Continued from page 60)

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contractor for the new Lynchburg Fine
Arts Center, page 26.

Leggett's (from page 35)

roof of the department store to accommodate the Melson Corporation staff, a law firm and an insurance agency. The suite contains a private entrance and elevator with a common lobby for all three occupants. The lobby and all offices overlook an impressive view of the James River and the City. The exterior walls are of panel wall construction with interior walls of plaster metal lath. The ceiling finish is acoustical plaster and the floor finish is vinyl asbestos tile.

An existing boiler was utilized to pro-

vide heat for the department store, and a central cooling system was installed to provide 100 per cent fresh air for all public spaces. Two heat pumps were installed to provide year-round air conditioning for the penthouse.

Principal subcontractors and suppliers were as follows: Benson-Phillips Co., Inc., Newport News, concrete; Chesapeake Masonry Corp., Hampton, masonry; Truscon Steel Div., Republic Steel Corp., steel; Hall-Hodges Co., Inc., Norfolk, reinforcing steel, mesh and Steeltex; Richmond Steel Co., Inc., Norfolk, steel roof deck; O. J. Brittingham Co., Newport News, roofing.

Economy Cast Stone Co., Richmond, stone work; Brown & Grist, Inc., Newport News, windows; Building Supplies Co., Div.

of R. F. Trant Distributing Corp., Norfolk, glazing; Shaw Paint & Wall Paper Co., Inc., Newport News, painting; Guaranteed Waterproofing Co., Greensboro, N. C., waterproofing, weatherstripping.

Ceramic Tile & Marble Co., Hampton, ceramic tile, terrazzo; Ajax Co., Inc., Norfolk, resilient tile; Waterfront Lumber Co., Newport News, millwork; Perry Electric Co., Inc., Newport News, electrical work; Warwick Plumbing & Heating Corp., Newport News, plumbing, air conditioning, heating, ventilating; Door Engineering, Norfolk, rolling grille, folding partition.

Boiler Brick & Refractory Co., Inc., Richmond, incinerators; Grinnell Co., Inc., Richmond, sprinkler work; W. W. Moore & Sons, Richmond, elevators; Otis Elevator Co., Richmond, escalator; Washburg & Granger, Inc., Paterson, N. J., rubbish chute.

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General contractor for the Employees' Credit Union Building, Newport News Shipbuilding & Dry Dock Co., page 50.

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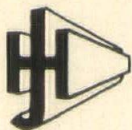
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Steel contractors for Richard T. Yates Elementary School, page 50.

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WINCHESTER, VA.

Electrical contractor for addition to Winchester Evening Star, page 47.

Employees' Credit Union

(Continued from page 50)

ways available in a downtown commercial site.

The building is so designed that an additional 3500 square feet of floor space can be provided if desired.

On-site parking for 24 cars is provided as well as a drive-up window for customer convenience.

Principal subcontractors and suppliers were as follows:

Lowe & Associates, Inc., Newport News, site work; Door Engineering, Norfolk, hollow metal doors, frames; Warner Moore & Co., Inc., Norfolk, folding doors; Herbert A. Brown Co., Inc., Newport News, masonry; Montague-Betts Co., Inc., Richmond, steel; Berrane Roofing Co., Newport News, roofing; Binswanger Glass Co., Norfolk, glazing, aluminum glass; Brown & Grist, Inc., Newport News, insulated wall panels and windows.

Shaw Paint & Wall Paper Co., Inc., Newport News, painting; Manson & Utley, Inc., Richmond, acoustical; John Brothers, Norfolk, plaster; Ceramic Tile & Marble Co., Hampton, ceramic tile; Southeastern Tile & Rug Co., Inc., Hampton, resilient tile; Weaver Brothers, Inc., Newport News, millwork; Trovato Electric Co., Inc., Arlington, electrical work.

Hampton Hydronics, Inc., Hampton, heating, plumbing; Nelson Air Conditioning & Heating, Hampton, air conditioning, ventilating; Southern Materials Co., Inc., Hampton; Benson-Phillips Co., Inc., Newport News, suppliers of ready-mix concrete, brick and blocks; Goodman Hardware Co., Hampton.

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Excavating contractor for the
Covington Telephone Exchange,
page 63.

VMI Library (from page 20)

major area of the structure. All have been designed to provide the required spaces for servicing the facility to its ultimate goal.

Completion and dedication of the building in May of 1964 will be the culmination of the efforts and dreams of many persons. The non-profit Foundation organized for the purpose, the countless thousands who contributed the funds for construction and operation, and the architects who translated the dream to reality, will have helped to create a shrine to which persons from all over the world can come to pay homage to one of America's greatest sons.

SUBCONTRACTORS & SUPPLIERS

B. F. Parrott & Co., Inc., Roanoke, the general contractor, is doing the work on foundations, masonry, carpentry, painting and insulation.

Others are Charles W. Barger & Son, Lexington, excavating, concrete; Roanoke Iron & Bridge Works, Inc., steel; Inland Steel Products Co., Baltimore, steel roof deck; Leonard Smith Sheet Metal & Roofing, Inc., Salem, waterproofing, roofing; Ingalls Stone Co., Bedford, Ind., stone work; Welton Co., Richmond, (Hope) windows, handrails.

Pittsburgh Plate Glass Co., glazing; Miller Mfg. Co., Inc., Richmond, paneling, millwork; W. Morton Northern & Co., Inc., Richmond, acoustical, resilient tile; W. F. Hoy, Staunton, plaster; Joe Rainero Tile Co., Bristol, ceramic tile, terrazzo, marble; The Staley Co., Inc., Richmond, steel doors and bucks; J. M. Murphy, Co., Inc., Roanoke, lighting fixtures, electrical work; Harris Heating & Plumbing Co., Inc., Richmond, plumbing (Noland Co. fixtures), air conditioning, heating, ventilating; Westbrook Elevator Mfg. Co., Inc., Salem, elevator; Roanoke Engineering Sales Co., Roanoke, vault door; Marsteller Corp., Roanoke, Dex-O-Tex roof surfacing.

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Roofing contractor for the Memorial
Public Library, page 52, and
The Burch-Hodges-Stone Bldg.,
page 53.

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Group, Inc., page 21.

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Masonry contractor for the Woodbridge Senior High School, page 59.

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on Anderson Sheet Metal Works, Inc., page 47.

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Masonry Contractor: Leggett's Department Store, Page 35.

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Leggett's Department Store, page 35.

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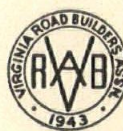
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Enderly Heights School

(Continued from page 54)

to space. All ceilings are white acoustical tile. The exterior is of brick in variegated shades of red with steel frame window wall units. Beneath windows on the front or north side of the building are enameled asbestos panels in a deep blue. Doors to classrooms provide accents by being a pleasing red.

The structure is covered by a built-up roof. The floor in the multipurpose room is covered with vinyl asbestos tile. Floors in kitchen and serving area have a concrete topping of metallic aggregate. Classrooms and other areas have floors covered with asphalt tile. Heating is provided by circulating hot water to convectors. Natural gas from a nearby supply line is used as fuel. All spaces have automatic temperature control.

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Binswanger Glass Co., glazing; H. D. White & Co., Lynchburg, painting; W. Morton Northen & Co., Inc., Richmond, acoustical, resilient tile; A. W. Bryant, Buena Vista, plaster; Roanoke Iron Works, Inc., handrails, steel grating; Ruffin & Payne, Inc., Richmond, millwork; Triangle Steel Products Corp., Brooklyn, N. Y., steel doors and bucks.

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Painting contractors for the Lynchburg Fine Arts Center,
page 26.

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Roofing contractors for Enderly Heights Primary School,
page 54; Lynchburg Fine Arts Center, page 26 and Wood-
bridge Senior High School, page 59.

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Installation of elevator for Leggett's Department Store at
Newport News, page 35, and Virginia Mutual Benefit Life
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Diplomat Motel, page 40.

Americana Motor Lodge, page 18.

Bel Aire Arms Apartments, page 40.

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(Continued from page 29)

sufficient land to provide a buffer zone from neighboring property to ensure unobstructed light and vision for all sides of the building. This buffer zone will be used for parking convenient to the building.

The architects feel this type of construction will become one of the basic forms of overall construction for many types of buildings. This construction is being pioneered in several areas in the country, but this is the first example in this area using panels of so large a size.

Principal subcontractors and suppliers include the following firms, all of Richmond, unless otherwise noted:

W. W. Rowe, excavating; Southern Brick Contractors, Inc., stone work, masonry; Montague-Betts Co., Inc., steel; Shockey Bros., Inc., Winchester, prestressed concrete; Southern Roof Deck Co., Inc., Roanoke, roof deck; R. Willison Roofing Co., roofing.

W. H. Stovall & Co., windows, window walls; Richmond Glass Shop, Inc., Inc., glazing; Lane Bros., Inc., painting; C. B. Smith Co., resilient tile, acoustical; A. Bertozzi, plaster; General Tile & Marble Co., Inc., ceramic tile, terrazzo; Ruffin & Payne, Inc., millwork.

J. S. Archer Co., steel doors and bucks; Oliver Bros. Electrical Contractors, Inc., electrical work; Harris Heating & Plumbing Co., Inc., plumbing, air conditioning, heating, ventilating; Union Steel Erectors, Inc., erection of prestressed concrete; W. W. Moore & Sons, elevator.

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- Virginia Mutual Benefit Life Bldg., page 29.
- Manchester High School, page 30.

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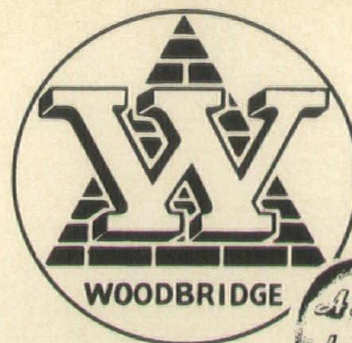
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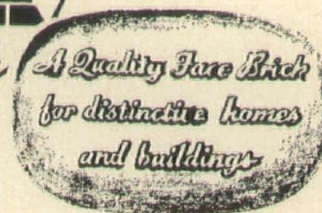
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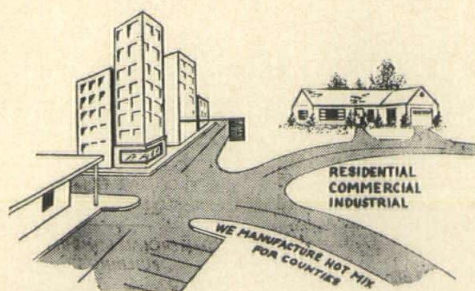
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page 53.



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Paving contractor for Manchester Senior
High School, page 30.

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- Painting contractor, Virginia Mutual Benefit Life Insurance Company, page 29.
- Contractor for painting and plastic wall finish, William Byrd Motor Hotel, page 25.

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General Contractor for Martinsville Memorial Public Library, page 52.

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Is There Nowhere To
Go Except Back?


(Continued from page 5)

tion at Williamsburg, the client has turned to such buildings for precisely the same reasons that tourists go there and readers buy books on the subject. The buildings, the whole setting, evoke an age of inner security, of a clearly defined and harmonious identity, of all the qualities of wholeness that are lost in our rootless time of anxiety and lost identity. In contrast with this suggested tranquillity, this hour when man and his environment were at one, to the client today much of the modern architecture would actually accentuate his inner insecurity. Polly Adler was right in more ways than she intended when she said, "a house is not a home"—and, of all times since he lived in caves, man today wants a house which communicates to him, and to him personally, the qualities that suggest a sanctuary in a frightening and fragmented era.

It is not at all that the revolt of the architect is not understandable. The contemporary architect appeared upon a scene in which buildings—homes, offices, churches, theaters—had been erected in that period of non-descript design from the 1870's (General Grant Gothic) to World War I (Stanford White baroque) which made American cities the ugliest probably in the history of building. However, the buildings did truly represent an age—"The Age of Innocence," in which architecture was generally as innocent

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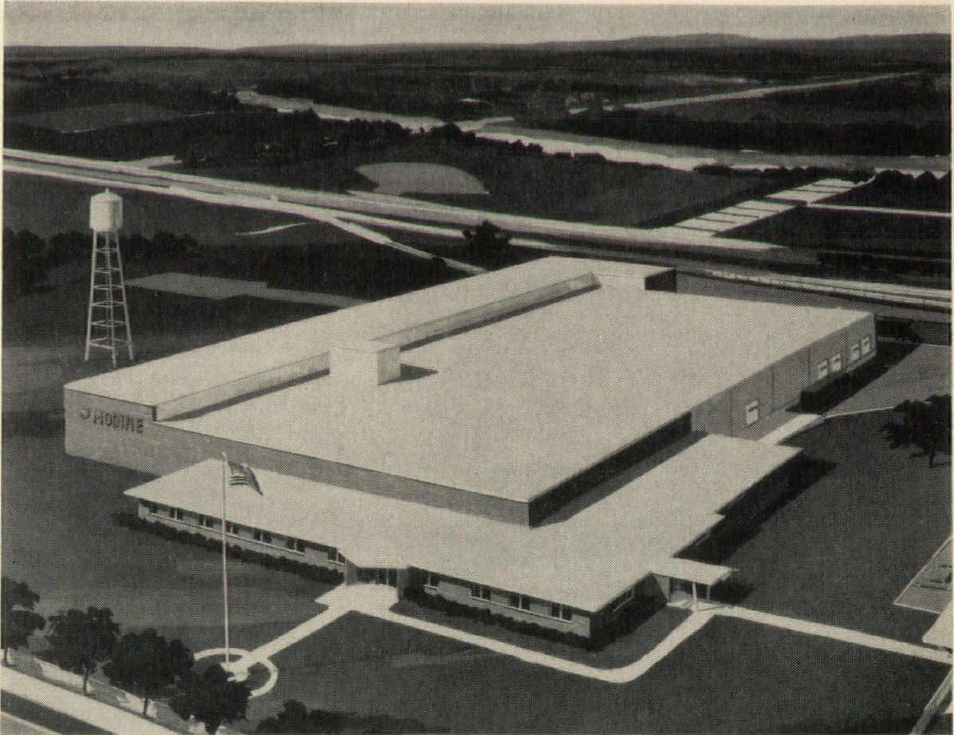
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NEWPORT NEWS, VIRGINIA

General contractors for
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page 50.

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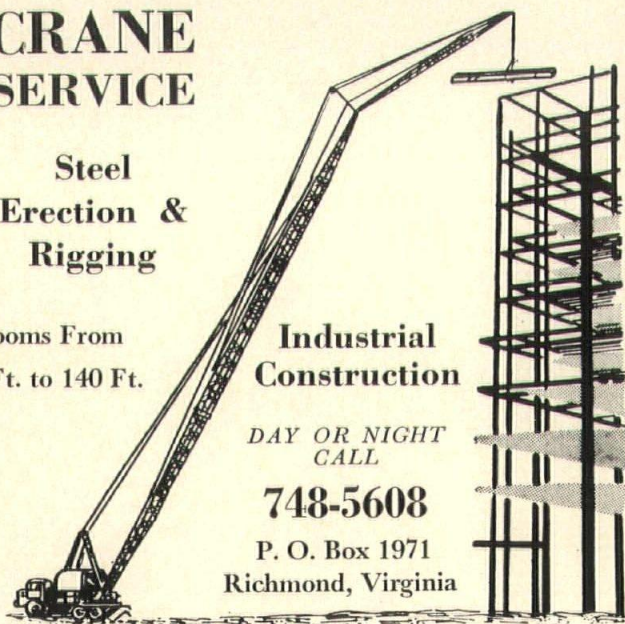
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Erection of prestressed concrete for Virginia Mutual Benefit
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as the people. And it must be said, regardless of aesthetic considerations, the architecture reflected a singleness of character, an identity.

Even during that blighted period the fine city houses of New York's side streets, between Fifth and Park in the sixties, seventies and eighties, were a triumphant example of indigenous, appropriate architecture, when it is considered that the houses were built on 25-foot lots. Based upon their operation by several servants and the occupancy by a large family, the houses were perfectly designed to meet the needs, physical and spiritual, of a generation that liked a certain elegance, a roominess, and privacy in a metropolis. There was no turning back then to the Colonial period.

The architect, in his natural revolt against the buildings of "The Age of Innocence," has not adapted himself to the specific personal needs of this age—with all the technological advantages at his command—as well as the architects who built these New York City houses or as well as the nameless journeymen who built the symmetrical buildings of Williamsburg adapted to theirs. The architects of those other times possessed the advantage of themselves wanting to design buildings that the clients wanted to occupy: builder and occupant were mutually products of an age with a single identity. But here the architect is confronted with metropolitan centers, suburbs, towns and villages, whose buildings have extended from another period and, however architecturally characterless and

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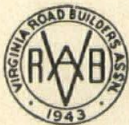
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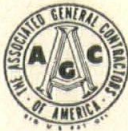
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Architects' personal preferences can not be imposed upon the public any more than can the personal taste of

Roofing Contractor for the new Employees' Credit Union Building, Newport News Shipbuilding & Dry Dock Company, page 50.

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page 66.



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To be completed in early '64 is "The Commonwealth," Richmond's largest speculative office building since the '30's! Two floors with elevator service from the main floor lobby will contain 45,000 sq. ft. of general office space. Ground-level stilted provides 100-car parking space. Shiflett and Gresham are architects for Earl H. Wicker and John W. Keith, Jr. W. A. Somma, of Somma & Co., Inc. is leasing agent for the building, valued at approximately one million dollars, with permanent financing provided by Mortgage Investment Corporation.

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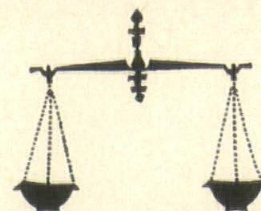
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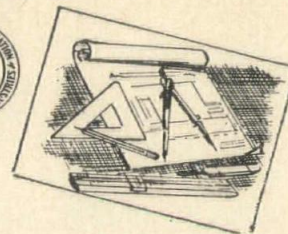
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Steel suppliers for alterations and addition to Leggett's Department Store, page 35.

publishers who gain critical acclaim for the current "literary" novels of non-heroes, who pursue a nihilistic career of degeneracy from no beginning to no end and all to no purpose. In every bookstore in America today the shelves are jammed with paperback reprints of "classics." It is not that the reading public is showing critical judgment in turning away from current literature to old standards, but the old standards communicate an essence which the reader spiritually requires. Some of these books technically do not hold a candle to the writing skill in the books by the modern literary novelists. But the reader is showing the same rejection of the architects' clients: *professional skill does not communicate the spiritual satisfaction that is needed.*

Of the architects' clients, I cannot speak, but I have a strong suspicion that some of the resisters of the modern buildings come from the same type of educated, intelligent, responsible and eminently successful men and women who reject the modern "literary" novel. Book-sellers are unanimous in pointing out that the more expensive paperbacks (\$1.95 to \$3.50), of non-fiction and standards, sell best in neighborhoods of professional people—doctors, lawyers, professors and enlightened men of finance. It would be most condes-

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Installation of Gypsum Roof Deck over Steel Joist for Fairfax Nursing Home, Page 63.

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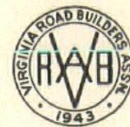
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and Yates Elementary School, page 50.

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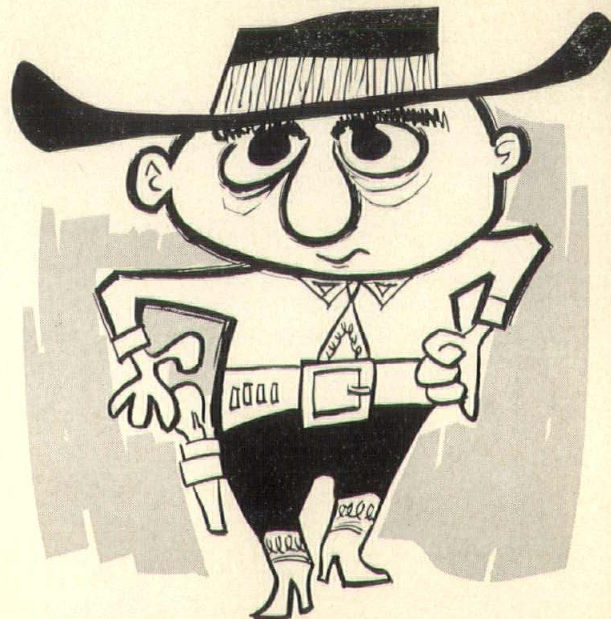
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page 20.



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ending to presume an intellectual inferiority in this class of person because what was offered by the modern literary novelists held no appeal. It would be more accurate to assume that he possessed an inner security that did not need the support of a fashion.

If this example be accepted as valid, the architect, like the practitioner of any art whose modernity has become spiritually uncommunicative, is facing the revolt of the client that will not be suppressed by regarding the client as "uninformed." Architecturally he may be; but in what he does *not* want, he might be more informed in terms of the appropriateness of the building to his environment and his age. He can be more enlightened in what he *does* want when the architect can evolve an appropriate expression for this age. Then the client can make a positive election and not be forced to the "either/or" of a glass house on stilts or a Georgian reproduction.

Since triumphant technology characterizes our age physically, and inner insecurity characterizes it spiritually, it would appear to me—as an observing occupant and not a builder—that what is essentially undesirable about the spare, functional building is that it emphasizes the technology of the world in which the individual lives as an anxious stranger. His soul needs the warmth as is suggested by a wood-burning fireplace in a wood paneled room. The trick is to *suggest* this warmth to him in an air-conditioned house.

There is in Richmond one straw in the wind. Certainly no plainer or less practical houses were ever conceived by human brain than those in Richmond's "Fan District" (and I can speak freely, since I own one.) But steadily in the past decade—the period of the greatest availability of modern technological resources—families of means have spent more, some times far more, than a new house would cost to "modernize" the shells of these dark, dirty, non-functional relics of an indifferent architectural era. Obviously the houses contain some quality of warmth, some element that communicates a sense of security, which the dwellers prefer to superior examples of architectural production. Now these house-owners do not want Colonial reproductions. They want a house that modern architects should be able to provide—and have not.

Clifford Dawley

to tell the Virginia Story

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Index to Advertisers

— A —

W. Allen & Son	75
American Bank & Trust Co.	8
American Furniture & Fixture Co., Inc.	74
Ashe & Webb, Inc.	86
Benson & Cramer, Inc.	70
Benson Sheet Metal Works, Inc.	86
Bor T. Archbell	87
C. Arendts	61
N. Ascosi & Sons	76
Asphalt Institute	103
Asphalt Paving Service, Inc.	93
Asphalt Roads & Materials Co., Inc.	51
Atlantic Masonry Co., Inc.	64

— B —

Baco Company, Inc.	71
Baker & Anderson Electrical Co., Inc.	84
Banks Engineering Corp.	71
Charles W. Barger & Son Construction Co., Inc.	74
Barker Construction Co., Inc.	64
Beckstoffer's Sons	76
H. Belanga & Assoc., Inc.	28
Benson-Phillips Co., Inc.	74
Berrane Roofing Co.	95
Biswanger Glass Company	102
Blackhead Electric Co.	78
Bl Blevins	58
Bumcraft of Pittsburgh	16
Carl L. Booze	78
Bren Clay Products Co.	9
Bunley W. Bowles	73
Burd & Goforth, Inc.	79
Board Street Window Cleaning Co.	62
Books-Gray Sign Co., Inc.	100
E. Brown, Inc.	64
Brown-Mooney Building Materials Corp.	71
Bryant Electric Co., Inc.	72
Bryhn & Henderson, Inc.	83
Buckingham-Virginia Slate Corp.	3
Buna Vista Ready Mix Concrete Co.	88
Bulding Supply Co., Inc.	73
Bunt Construction Co., Inc.	69
Burgess Brothers	75
Burruss Land & Lumber Co., Inc.	85
E. Burton Construction	75

— C —

Alvert-Jones Co.	64
Ann Construction Corp.	85
Carolina-Virginia Co., Inc.	98
Carpen Construction Co., Inc.	91
James H. Carr, Inc.	81
Chesapeake Masonry Corp.	86
Chesapeake Steel, Inc.	87
L. Cline & Sons, Inc.	78
E. Collins	73
Conrad Brothers, Inc.	73
Conrad Brothers Lake Shore Inn & Boat Docks	86
Continental Homes, Inc.	90
Copper Electrical Construction Co.	57
Copper-Trent, Inc.	75
Corte Construction Co., Inc.	85
H. Cothran Co., Inc.	61
Cress Tile & Marble Co.	68
Culpeper Stone Co., Inc.	80

— D —

D & M Concrete Specialties, Inc.	61
Danville Insulating Co.	88
Roland Dashiell & Sons, Inc.	6
John H. Davis Co.	83
E. Davis & Sons, Inc.	44
Walter C. Davis & Son, Inc.	77
Dominion Tank & Iron Co., Inc.	79
Dornin-Adams, Inc.	87
A. Dunham Construction Co., Inc.	42

— E —

Eastern Building Supply Co.	36
Electrical Equipment Co.	36
Elevator Service Co.	61
T. Eley, Jr.	72
B. Erell Co.	71

— F —

Fil Fabry Reproduction & Supply Corp.	97
Farragut Lumber Co.	92
Forace A. Filer	58
Forace S. Flournoy	70
Forrest Forrester	74
Forrow Roofing Co., Inc.	64
H. Fralin & Son	95
Fricks, Vass & Street, Inc.	69
Froehling & Robertson, Inc.	87
Frye Building Co.	62
Henry Fulcher	61

— G —

Garber's, Inc.	62
H. Gaskins Co., Inc.	100
R. Gay & Co., Inc.	89
General Shale Products Corp.	51
Gleazed Products, Inc.	93
Grottoes Sand & Gravel Co.	53
Guaranteed Waterproofing Co.	86

— H —

Clarence E. Hall	68
Milton L. Hammond, Inc.	78
E. W. Hancock & Sons, Inc.	49
Hankins & Johann, Inc.	83
Harman Fur Farms	99
Thomas P. Harris, Jr.	84
Harris Heating & Plumbing Co., Inc.	86
Harrisonburg Electric Supply Co., Inc.	80
Haycox Construction Co., Inc.	94
Hedrick Bros.	68

E. F. Helms	80
Helms Roofing Co.	85
Henley & Gillespie	76
G. J. Hopkins, Inc.	67
Hotel Jefferson	6
M. E. Howard & Son, Inc.	80
M. E. Humphries	92

— I —

Innamorato & Pavone Co.	61
International Minerals & Chemical Corp.	91

— J —

W. W. Jennings	71
George C. L. Jensen	77
Johnson Bros. Building Supplies, Inc.	84
Tom Jones Hardware Co.	36
W. M. Jordan Co., Inc.	92

— K —

George W. Kane, Inc.	51
Silas S. Kea & Sons	79
Harold L. Keeton	77
D. D. Kerns, Contractor	84
J. C. Kesler, Builder, Inc.	28
C. W. Kirkland Company	74
Charles J. Krebs Co.	53

— L —

Laird's Nurseries	96
Lane Brothers	89
Lee Hy Paving Corp.	89
Leonard Bros.	77
Locher Brick Co., Inc.	96
Londeree & Jennings	87
Lowe & Nelson Plumbing & Heating Corp.	72
H. A. Lucas & Sons, Inc.	95
Lynchburg Ready-Mix Concrete Co., Inc.	44
E. E. Lyons Construction Co.	51

— M —

Gayle S. Mann, Jr. & Co.	80
John C. Manos	28
N. W. Martin & Bros., Inc.	6
Martin & Gass, Inc.	74
Martin Tile & Marble Co., Inc.	62
Martin's Control & Equipment Co.	7
Marus Marble & Tile Co., Inc.	66
Mason Construction Co.	49
Massaponax Sand & Gravel Corp.	81
May Bros., Inc.	82
D. C. May Co., Inc.	73
Dana McBarron	102
McClung Lumber Co.	53
Miami Window Corp.	2
Dale Michael	58
Mid-State Tile Co.	27
Carl C. Miller	68
T. S. Minter	89
W. W. Moore & Sons	87
J. A. Morris	70
Mortgage Investment Corp.	95
E. W. Muller Contractor, Inc.	51
Murphy's Roofing & Sheet Metal Co.	82
Murphy Plumbing & Heating Co.	72
Ralph Myers Contracting Corp.	13

— N —

Nelson Air Conditioning & Heating	81
Newport News Shipbuilding & Dry Dock Co.	12
Nixon Electric	64
Hunter C. Nutter	69

— O —

F. A. Odend'hal & Co., Inc.	8
Oliva & Lazuri, Inc.	84
Oliver Brothers Electrical Contractors, Inc.	51
B & G Olsen Company, Inc.	93
R. E. Orcutt Co.	85
Owens & Company, Inc.	80

— P —

J. L. Parker	11
B. F. Parrott & Co., Inc.	98
J. R. Perdue	58
Perrow Chemical Co.	72
Perry Electric Co., Inc.	98
Petersburg & Hopewell Gas Co.	82
Petroleum Marketers, Inc.	96
Pioneer Federal Savings & Loan Assn.	94
Pleasants Hardware	89
Pollin Development Corp.	43
Pompei Tile Co., Inc.	28
Portland Cement Assn.	4
Ralph T. Powell	78
Power Equipment Co.	70
Prillaman & Pace, Inc.	70
Princess Anne Plumbing & Electrical Suppliers, Inc.	69
Progressive Products, Inc.	74
Capt. Ottis Purifoy	101

— R —

Rabe Electric Co., Inc.	75
Joe Rainero Tile Co.	28
Raymond Concrete Pile Div.	57
Redford Brick Co.	28
David A. Reed & Sons, Inc.	77
Richmond Hotels, Inc.	13
Richmond Life Insurance Co., Inc.	90
Richmond Ready Mix Corp.	68
Richmond Steel Co., Inc.	96
Roanoke Ready Mix Concrete Corp.	69
L. W. Roberts Co.	71
Kyle D. Robinson, Jr.	68
Raymond C. Robinson	78
George Rose Lumber Co.	64
Earl K. Rosti, Inc.	58
R. Stuart Royer & Associates	78

— S —

W. D. Sams & Son, Inc.	88
Sanford Brick & Tile Co.	81
H. B. Sedwick, Jr., Construction Co., Inc.	88

Sharpe & Hamaker, Inc.	44
Shaw Paint & Wall Paper Co., Inc.	28
W. H. Sheffield Lumber Co.	70
Shenandoah Electric Co.	69
Shenandoah Gas Co.	94
Sherrick Bros.	78
Richard L. Shough	87
Shultz & James, Inc.	70
J. L. Smith Corp.	77
Leonard Smith Sheet Metal & Roofing, Inc.	77
Snow, Jr., & King, Inc.	62
South Roanoke Lumber Co.	61
Southern Elevator Co.	97
Southwestern Life Insurance Co.	10
The Staley Co., Inc.	6
Standard Construction Co.	55
Standard Electric Co., Inc.	66
Standard Iron & Steel Co., Inc.	84
J. H. Steen & Sons, Inc.	72
Stevens & King Roofing Corp.	75
William F. Stier, Jr.	58
Street & Branch	11
The Structural Slate Co.	97
Sumrell Electric Co.	71
Sutton Company, Inc.	71

— T —

Talley Neon	28
Taylor & Parrish, Inc.	74
R. L. Thompson	61
Todd's Easo Servicenter	76
Trovato Electric Co., Inc.	10
Tune & Toler	77
J. M. Turner & Co., Inc.	56

— U —

Union Steel Erectors, Inc.	92
T. B. Upchurch, Inc.	76

— V —

Valley Roofing Corp.	36
Virginia Air Conditioning Co., Inc.	83
Virginia Gas Council	104
Virginia Perlite Corp.	62
Virginia Prestressed Concrete Corp.	59
Virginia Roof Decks, Inc.	97
Virginia Roofing Corp.	73
Virginia Telephone & Telegraph Co.	67

— W —

Watkins Nurseries	62
Wayne Insulation Co.	91
L. S. Weaver & Bro.	70
Webster Bros.	73
Welch Pile Driving Corp.	87
West Sand & Gravel Co., Inc.	98
West Virginia Brick Co.	84
Westbrook Elevator Mfg. Co., Inc.	36
J. T. Wharton, Jr., Equipment, Inc.	62
Roy Wheeler Realty Co.	7
H. L. White & Son Sheet Metal Works, Inc.	93
Whitley Roofing Co., Inc.	79
F. Graham Williams Co., Inc.	90
R. Willison Roofing Co.	79
J. B. Wine & Son, Inc.	88
Winebarger Corporation	79
Wise Contracting Co., Inc.	7
T. W. Wood & Sons	67
Woodbridge Clay Products Co.	89
J. E. Wray & Co.	44
C. W. Wright Construction Co., Inc.	99

— Z —

Zirkle & Zirkle	73
-----------------	----

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Bonita	394	12	4,728
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Porgies	612	4	2,448
Red Snapper	1,180	2	2,360
Triggers	1,139	7	7,973
Sharks	70	100	7,000
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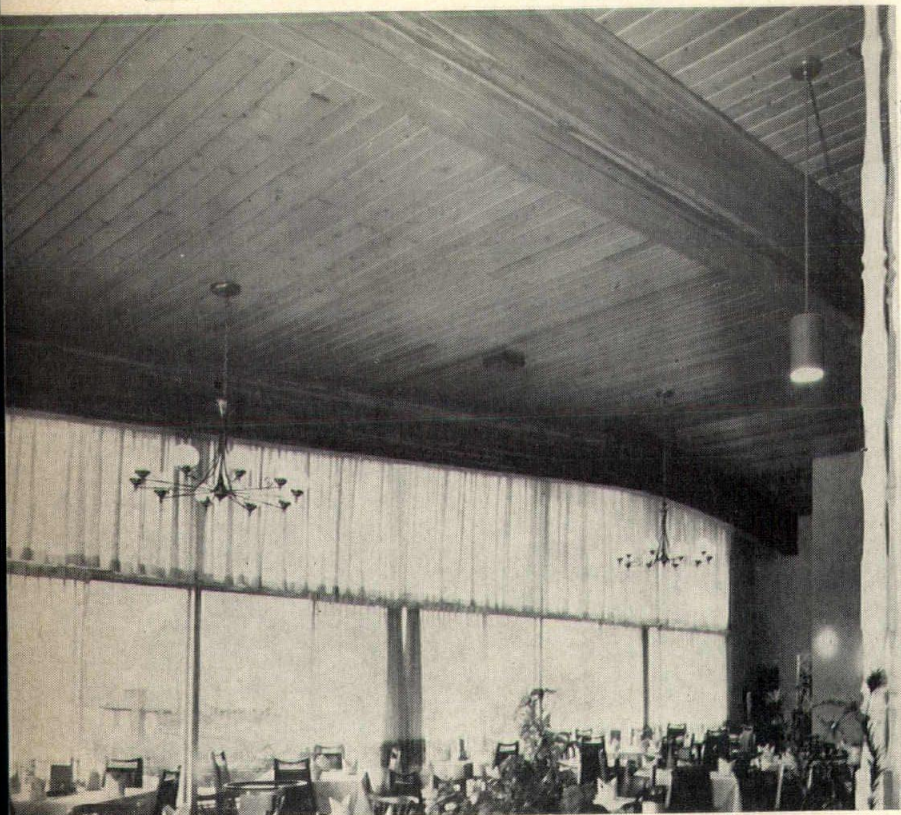
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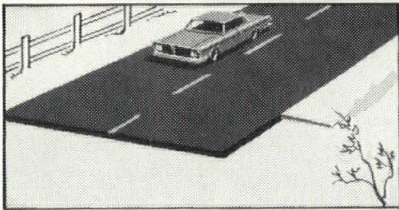
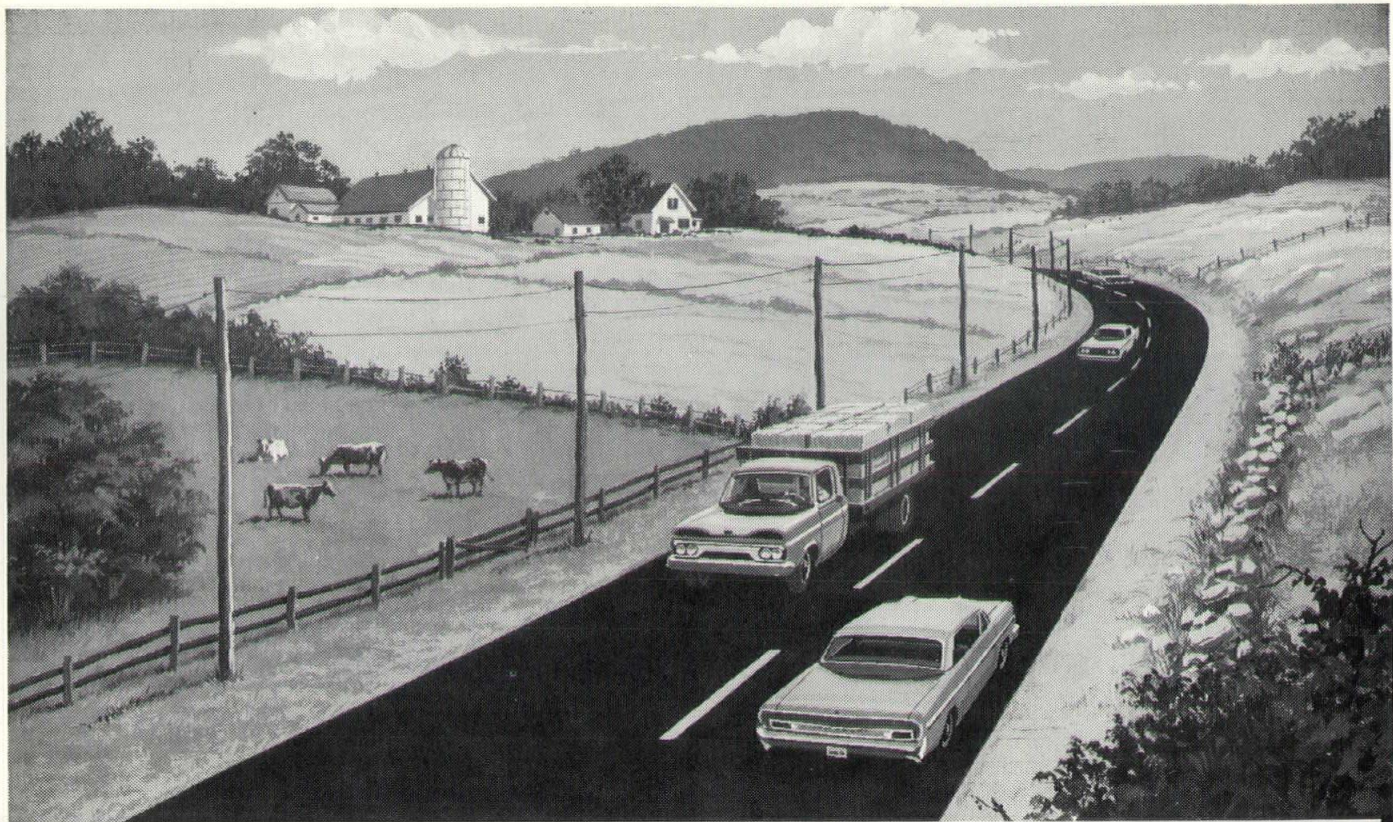
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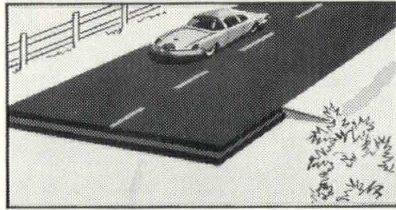
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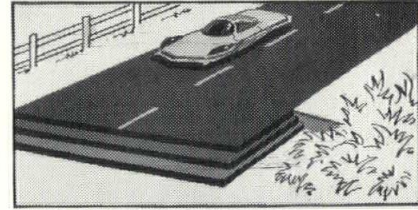
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