SOUTHERN ARCHITECT

PUBLISHED BY THE NORTH CAROLINA CHAPTER, AMERICAN INSTITUTE OF ARCHITECTS

MAY 1962

CITY
COUNTY
STATE

OFFICE BUILDINGS FOR GOVERNMENT
Accepted by the American Association of School Administrators for 1962 School Building Architectural Exhibit. Hanna High School is the end product of the newest construction techniques . . . the finest building materials . . . the specialized skills of an architect who numbers many outstanding educational projects to his credit.

Solite Lightweight Structural Concrete And Masonry Units Prominently Featured. As in so many outstanding projects, Solite was used extensively throughout. Solite masonry units, backing up exterior walls, were left exposed inside. Solite structural concrete was used in pre-cast roof deck and in Flexicore floor slabs with structural concrete topping.

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REMEMBER

BETTER BUILDING starts with your architect. Their skill and experience will save you time and money — assure you a building that is professionally designed for your lasting satisfaction.
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In this day of modern medicine, surgery, and rehabilitation programs, we are finding public places and buildings being used more and more by those not only made more accessible, but also in general more suitable for the use of those who are today ready to utilize and enjoy them.

President, A. L. A.

A building should be a pleasant experience to those who use it helpful to those within, and on which those who use it have the opportunity to develop their talents and exercise their aspirations.

A building should be a pleasant experience to all, regardless of its purpose. Buildings and other structures should be designed to be fully accessible to all for the purpose of employment, in accordance with custom and 6.

A building should be a pleasant experience to all, regardless of its purpose. Buildings and other structures should be designed to be fully accessible to all for the purpose of employment, in accordance with custom and the needs of the individual.

Approximately one out of seven people in our country is handicapped. This figure includes those with congenital handicaps as well as those who have acquired disabilities through the ages. It is estimated that there are over 20 million handicapped persons in the United States alone. This includes those with physical, mental, and sensory impairments.

The President's Committee on Employment of the Physically Handicapped has been charged with the responsibility of advocating and promoting policies and programs that will enable handicapped persons to fully participate in the life of society. This includes advocating for the elimination of discriminatory practices in employment and education, and the provision of reasonable accommodations to enable handicapped persons to perform their jobs and to participate in educational programs.

In the words of President Lyndon B. Johnson, "No doubt it may have occurred to you that millions of physically handicapped and older persons are effectively barred from the use of buildings and other facilities. This quote was taken from a letter from the President to the Congress.

This letter was written by President Johnson in response to the nation's growing recognition of the need to provide equal opportunities for all citizens, regardless of their physical or mental abilities. The President's Committee on Employment of the Physically Handicapped has been instrumental in pushing for legislation that would provide for the inclusion of handicapped persons in all aspects of society.

In conclusion, it is imperative that we continue to advocate for policies and programs that will enable handicapped persons to fully participate in the life of society. This includes advocating for the elimination of discriminatory practices in employment and education, and the provision of reasonable accommodations to enable handicapped persons to perform their jobs and to participate in educational programs. We must continue to work towards this goal, and ensure that all citizens have equal access to the opportunities that life has to offer.
With the growth of governmental services on every level — local, state and federal — a parallel growth has taken place in the problem of housing the personnel needed to provide these services. These problems may vary from the complete replacement and enlargement of the city hall functions of a municipal building to the addition of office space for a county — to the permanent housing of a state agency. On the following pages, SOUTHERN ARCHITECT presents three solutions of these problems in North Carolina.
architects-engineers

G. MILTON SMALL & ASSOCIATES
raleigh

RALEIGH MUNICIPAL BUILDING
This 60,000 square foot, four floor and basement structure will provide a centralized headquarters for previously widely scattered units of this complex and growing municipal government. The new municipal building was planned after an exhaustive study of departmental functions and inter-relationships, and includes one unoccupied floor for immediately foreseeable expansion, as well as structural provision for eventual addition of two more floors. Environment conducive to efficient and pleasant working conditions was an important requirement, met by including year-round multi-zoned air-conditioning and provision of a high level of lighting throughout working areas.

The frame consists of fire proofed structural steel columns and beams with reinforced concrete pan and joist slabs. The exterior consists of an aluminum curtain wall grid with alternating dark brown brick panels and gray solar glass, which extend from the first floor ceiling to the roof cornice. The first floor walls are set 4'-9" inside the facades above, and here the brick panels are dark blue-gray glazed brick. The penthouses and cooling towers are enclosed in an enameled metal screen.

Public access is provided on two levels on the McDowell Street side of the building. Entrance to the second level and all municipal departments is by means of a pedestrian bridge a half flight of stairs above the sidewalk. Entrance to the First Level, Police Department and City Court is below the pedestrian bridge which thus forms a protective auto unloading area. In addition, a drive-in window for payment of utility bills and traffic fines is provided along the drive leading to the first level entrance.

Interior finish includes terrazza floors in public lobbies and corridors and asphalt tile in all office areas. Toilets have ceramic tile floors and wainscot with plaster walls and ceilings. Plaster and panelling occur in the City Council Chamber and Courtrooms and in a limited area of the public corridors; however, all other partitions are painted concrete masonry units. Ceilings are generally mineral acoustical tile on an exposed one way tee suspension system which conforms to the building module of 3-2". Recessed fluorescent lighting fixtures also conform to this module and are supported by the ceiling suspension.

The heating and air conditioning system consists of a gas fired generator supplying hot water thru a convecter, and a centrifugal chiller supplying water to a high velocity air handling unit for the interior areas of the building and to a zoned circulating pump system for the fan-coil window units around the perimeter of the building.
OWNER'S SPECIAL PROGRAM REQUIREMENTS

The need for more courtroom space in the County Courthouse Building, of classical design, and the wish to consolidate county agencies housed in various neighborhood buildings prompted the bond issue for the new County Office Building which houses the Welfare Departments, the Elections Board (Ground Floor), County Tax and Administrative Offices (Main Floor), Juvenile and Domestic Relations facilities (Third Floor) and County Board of Education Offices (Fourth Floor). The Basement contains mechanical equipment and storage areas. This building is the first of a civic group planned for an area now occupied by sub-standard dwellings and its relationship to future Governmental structures must be considered. Consideration of the access to the building from the old Courthouse as well as from the new parking lot was also a factor.

MATERIALS

In order to give the Courthouse and the Office Building a feeling of unity, the new building, it was felt, should be of reinforced concrete and designed to reflect the masonry quality, symmetry, and repose of its partner.

Precast exposed aggregate panels were selected to match the color of the existing Courthouse building. Heat-absorbing gray glass and porcelain enamel panels are used in the aluminum-framed curtain wall. Floors are terrazzo or ceramic tile throughout with the exception of the basement area.

Partitions outside the mechanical core are glass and steel and are of the movable type. The ceilings are perforated metal acoustical panels.

MECHANICAL SYSTEMS

Primary heating and cooling of the building is accomplished by the use of a radiant ceiling. This ceiling is composed of perforated metal pans supported by a pipe system containing circulating hot or cold water. Supplementary heating and cooling for the purposes of ventilation and humidity control is accomplished by introducing air from a central air handling unit on each floor. Radiant ceiling panels can heat or cool individual zones as required. Panel and air temperatures are read from a central temperature console.

Lighting is primarily recessed fluorescent with some recessed incandescent lights used as accents.

UNUSUAL CONDITIONS OF SITE OR PROBLEM

After preliminary studies it was decided to place the new offices on the block to the rear of the Courthouse. Design treatment is such that a future connecting pedestrian mall, spanning heavily trafficked Fourth Street, can be easily accommodated. This connecting link is one of the long range objectives of the local Planning Commission.

The building is placed perpendicular to the County Courthouse so that both the new building and the Courthouse will face the proposed plaza and group of Civic Buildings. To reduce traffic and noise within the building and to facilitate access to each floor from the Courthouse and the parking lot an elevator was installed at each end adjacent to the required stair walls.

MECKLENBURG COUNTY
OFFICE BUILDING

architects
SLOAN & WHEATLEY
charles h. wheatley, aia,
partner-in-charge
charlotte
TECHNICAL DATA

The building’s structure is poured-in-place reinforced concrete. The coffered, 2-way ribbed slab proved to be the most economical ($2.75/sq. ft.) of all the structural systems considered. The reinforced concrete core is fluted by use of Vee beam roof deck, in lieu of plywood for forming, to give a feeling of vertical penetration of the core through the building. The core, in addition to clustering the required services, includes all the permanent partitions on the upper floors leaving unobstructed space for the arrangement of all movable steel and glass partitions, some of which extend to the suspended ceiling and some of which do not, thereby helping to modulate the interior space, which by the necessities of the program must be divided into many small rooms. In addition, the reinforced core makes possible a decreased slab depth in the critical mechanical space where fan-coil units on each floor supply the radiant heating and cooling ceiling system through duct work.
MECKLENBURG COUNTY
OFFICE BUILDING

architects
SLOAN & WHEATLEY
charles h. wheatley, aia,
partner-in-charge
charlotte
The Federal Surplus Property Division of the Department of Administration is the Agency responsible for the warehousing and distribution of surplus Government property to non-profit institutions located in North Carolina. This building is designed to provide office facilities at the site of the main warehousing installation and to replace inadequate quarters located elsewhere.

The building is constructed of wood deck and laminated wood beams exposed, supported on steel columns and exterior masonry walls. Interior partitions are concrete masonry or frame with gypsum board surfaces. Floors are resilient tile except ceramic tile in the toilets.

The building, occupied in 1961, is air conditioned and contains approximately 4,600 square feet.
PERSONALITY

ROBERT G. B. BOURNE

The present President of the Professional Engineers of North Carolina is well qualified for this position having been engaged in the engineering profession most of his life.

Born in Philadelphia, a graduate of North Carolina State College in Mechanical Engineering, Bob Bourne began his professional career as a student engineer in the Metallurgical Coke and By-Products plant of Tennessee Coal, Iron & Railroad Company of Birmingham, Alabama. When he left the Tennessee Company to enter active duty with the U. S. Army Corps of Engineers he was a Testing Engineer. After service which included overseas duty he retained his commission in the active reserves and was Engineer Branch Director USAR School in Raleigh from 1954 to 1961. Currently he is a Lt. Col., C. E., USAR (Retired).

Mr. Bourne is a past president of the Raleigh Engineers Club, past president of Central Carolina Chapter PENC, past secretary Birmingham, Alabama Section ASME. He is also active in the American Congress of Surveying and Mapping, North Carolina Society of Engineers, and PENC-NSPE. Mr. Bourne served as vice-chairman of the Commission for Study of the Uniform Map Law, appointed by Governor Hodges. He was vice president of PENC in 1961.

Mr. Bourne entered employment of the State of North Carolina in 1946 as Assistant Engineer of the Budget Bureau. He is currently consulting engineer, Property Control and Construction Division, Department of Administration, State of North Carolina.

Mr. Bourne’s wife is the former Miss Mary O’Neal Branch and their three children are students — one at Woman’s College, one at N. C. State and one at Needham Broughton High School. He is a member of Pullen Memorial Baptist Church and Sir Walter Lions Club, Raleigh.

As a “Tar Heel” by adoption, Bob Bourne has put his stamp on many professional and civic organizations in North Carolina.
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CONSTRUCTION EDUCATION FOUNDATION

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TRAINED MANPOWER FOR CONSTRUCTION INDUSTRY

The shortage of skilled men at all levels in the construction industry has caused a group of leaders in North Carolina's industry to take an important step toward meeting the problem.

With the sponsorship of Carolinas Branch, Associated General Contractors of America, Inc., they have formed the Construction Education Foundation of North Carolina, a non-profit corporation which is already "in business" and is making itself known all over the state.

H. S. Crain, president of Crain and Denbo, Inc., of Durham, is president of the Foundation. Rex H. Wheatley, president of R. H. Wheatley Company, Inc., of Charlotte, is vice president, and Beaumert Whitton, president of Southeastern Construction Company, Charlotte, is treasurer. These men, with D. N. Alexander, vice president of Borden Brick and Tile Company of Goldsboro, form the board of directors. It has headquarters at 222 Builders Building, Charlotte.

Architects, as well as contractors, are familiar with the growing need for more well trained men in construction. While it is not their responsibility to have an efficient force of workmen on a job, they suffer in prestige and can very easily be placed in an unfavorable position if their plans for projects are not carried through by men who are qualified for the positions they hold in the organization of the contractor who has the task of transforming the architect's ideas into concrete form. Therefore, North Carolina architects will certainly be interested in the Foundation and its purposes.

The Foundation was created to receive and administer funds for scientific and educational purposes. The areas in which it hopes to promote its objectives include: pre-apprentice training in high schools; participation in career days and other activities to promote interest in construction careers among young men in high school; recruitment of young men for apprentice training and training as technicians in the construction industry; support of existing apprentice training programs and assistance in establishing new ones where they are needed: assistance in establishment and maintenance of classes designed for the upgrading of mechanics in their construction skills; assistance in conducting the schools classes in related training, such as blueprint reading, estimating, layout work, and other skills; assistance in establishing and maintaining courses in technical schools for those who wish to become technicians — such as estimators, field instrument and layout men, and field office managers; promotional work to encourage students at the college level to take construction and engineering courses to prepare them for construction careers; and establishment of scholarships in construction curricula in colleges to help train those who want to learn to be contractors or to hold other executive jobs in the industry.

The Foundation has prepared literature which is being distributed to interested companies, organizations, and individuals, and is also conducting a broad program of calls on members of the industry, speeches to various groups, and other activities designed to inform the people who are most concerned with the problem of an adequate supply of skilled manpower of ways in which they can help to attract more of the right kind of young men to the industry and prepare them for careers in building. C. M. Albright, assistant secretary of the J. A. Jones Construction Co., Charlotte, heads a committee charged with this responsibility.

As Mr. Crain explains, the Foundation is a means for attacking the whole problem of construction education on a scope that has not been dreamed of before. This, he declares, is necessary if the efforts are to be effective. With North Carolina's rapidly expanding economy and with the unprecedented demands which are going to be made on the construction industry in the next decade, much is at stake in this matter of manpower. The public is going to need a great volume of building and must depend upon the construction industry to produce it. Only through building up an ample force of skilled mechanics, technicians, and professional men can the industry meet its responsibility. Through the efforts of the Construction Education Foundation, those who are concerned about the problem feel that it can be met and that the people of North Carolina will be able to get their building done in excellent quality and at reasonable cost even though they need schools, churches, homes, industrial plants, commercial structures, bridges, public buildings, utilities facilities, roads, and other construction in record volume.
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1962 NCAIA SUMMER MEETING MOREHEAD CITY

Sun, fun and frolic are in store for you at the exciting 1962 summer meeting JUNE 14, 15 and 16. Mr. H. J. Williamson, Manager of the Biltmore Motor Hotel has promised the red carpet treatment for our meeting and many entertainments have been planned for your enjoyment.

The facilities of the delightful Coral Bay Club at Atlantic Beach will be open for our members and guests on Thursday and Friday for both ocean and pool and sunbathing. Thursday afternoon, the group will be entertained at a social hour at the Coral Bay Club and on Friday a social hour, banquet and dance will be held there. Formal dress will be optional for the Friday evening festivities. Saturday morning will feature a breakfast at the Biltmore. A social hour, fish fry supper and dance are scheduled for Saturday evening's entertainment. Of course, all the usual beach recreational facilities will be available at all times — swimming, fishing, boating, water skiing, also golf and horseback riding may be enjoyed by those desiring such. Prizes will be awarded on Saturday night for the fishing contest which will be in progress during the entire meeting. Of course, children are welcome and there will be baby-sitters available.

An Executive Committee Meeting is planned for Thursday, June 14. All AIA members are invited to attend — so if you have something to get off your chest, be there. Friday morning's meeting will be devoted to reports on the National Convention held in Dallas, Texas, May 7-11. Many important issues are being discussed at the national level which will affect the individual architect. Don't miss this important and informative report.

Saturday morning a representative of the Carolinas Branch of the Associated General Contractors of America will be on hand to explain the Construction Education Foundation.

With a program designed to suit tastes for educational, recreational and social activities, AIA members are urged to attend. Don't forget JUNE 14, 15 AND 16.
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THE AMERICAN INSTITUTE OF ARCHITECTS, INC.
Chapter Office: 810 Central Building - Seattle 4 - MAin 2-4938

Members of the North Carolina Chapter
The American Institute of Architects
P. O. Box 666
Raleigh, North Carolina
Attention: President Albert L. Haskins, Jr., AIA

Dear Architects:

WELCOME TO THE SEATTLE WORLD’S FAIR!

The Seattle Chapter, AIA, has a Hospitality and Information Center pavilion at the Fair, at the northeast corner of the Coliseum adjacent to the Canadian Exhibit Building.

When you’re in Seattle we hope you’ll call on us at the Center or contact our Chapter office, 810 Central Building, MAin 2-4938. We would like to provide you with a list of architectural points of interest and other information to make your visit more enjoyable.

We look forward to seeing you.

Sincerely,
Hugo W. Osterman
President

DESIGN CRITIQUE RALEIGH

For seven weeks students at the School of Design are participating in a television series, “Design Critique Raleigh” under the direction of Professor Edward W. Waugh. WUNC-TV is carrying the program as follows:

April 20 OUTLINE AND DESCRIPTION OR PROJECT
April 27 INITIAL ATTACK
7:30 P.M.
May 4 GENERAL SOLUTIONS
7:30 P.M.
May 11 SPECIFIC SOLUTIONS
May 18 A REGIONAL SCHEME
7:30 P.M.
May 25 FINANCIAL ASPECTS
7:30 P.M.
June 1 POLITICAL IMPLICATIONS
7:30 P.M.

These discussions should be of distinct interest to those interested in community planning.

OPENS OFFICE

William W. Dodge III announces the opening of his new office for the practice of architecture at 611 Tucker Street, Raleigh, under the name of William W. Dodge III, AIA, Architect.

HOSPITAL DESIGN WINS AWARD

A. G. Odell, Jr. and Associates was winner of the second prize in a national competition for design of a $15 1/2 million psychiatric hospital for federal prisoners. Eight leading hospital architects were invited to take part in the competition, their selection based on competence they had shown in solving unusual architectural problems. Mr. Odell’s firm qualified because of the “scope and excellence of design” of the recently opened addition to Charlotte Memorial Hospital. A. L. Aydelott and Associates of Memphis, Tenn. were awarded first prize. Other architects competing were from Detroit, New York, St. Louis, Jacksonville, Fla., New Orleans and Atlanta. The proposed hospital is planned for a site in the Southeast which has not yet been selected.

ATTEND CONVENTION

The following members of the North Carolina Chapter of AIA attended the National Convention in Dallas, May 7-11: Albert L. Haskins, Jr., Henry L. Kamphoefner, Charles M. Sappenfield, Charles H. Kahn, all of Raleigh; Arthur C. Jenkins, Fayetteville, John E. Ramsay, Salisbury, and A. G. Odell, Jr., Charlotte.

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BEACH HOMESITES
Pine Knoll Shores
(See our ad on page 18)

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(See our ad on back cover)
Isenhour Brick & Tile Co., Inc.
(See our ad on page 18)
Moland-Drysdale Corporation
(See our ad on page 14)
Sanford Brick & Tile Co.
(See our ad on page 23)

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Dickerson, Incorporated
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(See our ad on page 22)

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(See our ad on page 23)

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Mill-Power Supply Company
(See our ad on page 19)

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CALENDAR OF EVENTS

MAY 16, 23, 30, JUNE 6, 13: Architect's Guild of High Point, Marguerite's Restaurant
George C. Connor, Jr., AIA, President

MAY 17, 24, 31, JUNE 7: Greensboro Registered Architects, Maplehouse Restaurant
Jesse B. Owens, Jr., President

MAY 21: Producers' Council—Barringer Hotel, Charlotte
L. E. Atkins, Jr., President

JUNE 1: Deadline for material for July issue.

JUNE 6: Charlotte Council of Architects, Stork Restaurant No. 2
J. Norman Pease, Jr., AIA, President

JUNE 6: Durham Council of Architects, Harvey's
Robert W. Carr, AIA, President

JUNE 7: Raleigh Council of Architects, Holiday Inn
William W. Dodge III, AIA, President

JUNE 14-16: NCAIA Summer Meeting
Biltmore Motor Hotel, Morehead City

JUNE 21: Winston-Salem Council of Architects, Y.W.C.A.
Cyrill H. Pfohl, AIA, President

MAKE YOUR RESERVATIONS
NCAIA
SUMMER MEETING
June 14, 15, 16
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