

SOUTHERN ARCHITECT



PUBLISHED BY THE NORTH CAROLINA CHAPTER, AMERICAN INSTITUTE OF ARCHITECTS

JULY 1961

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BUILDINGS FOR INDUSTRY



WOOD POST

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SOUTHERN ARCHITECT



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JULY 1961
VOLUME 8
NUMBER 7



There are many things on my mind that I would like to mention, but with July 4th close at hand there will be much said and written about the freedoms that are ours in these United States. In passing I would like to make my small contribution to ask if we have forgotten the hardships and the struggles of our forefathers to win these freedoms, and have we overlooked the weeks of deliberation, study and prayer required by those great leaders to write our Declaration of Independence? Are we forfeiting our rights and freedoms in our neglect of individual responsibility toward government and the lack of concern for the growth of government and the steady climb of the tax dollar? Each man and each woman with the privilege of voting should exercise that right and should express to our representatives in the State Legislature and in Congress our convictions on important legislation. In accepting these freedoms may we be willing to take our position of responsibility as individuals or are we going to look to government for more and more, as we lose sight of the meaning of a true democracy?

As our North Carolina General Assembly comes to an end, the 1961 Legislature is to be commended on the stand that it has taken for education in our state. Are we as individuals willing to give Governor Terry Sanford our backing and vote of confidence when the time comes for voting the bond issue necessary to further support higher education? This bill was only one of one thousand seven hundred bills introduced in this Legislature of which several more were outstanding and will be far-reaching in their effect upon the State. However, there were several others, such as the highway safety program and an amendment to the architects' licensing law dealing with public health and safety, upon which this Legislature was not willing to take a stand on the matters concerning public health and safety for the fear of "encroaching upon the rights of the individual". Many times the life and health of our population in general is endangered by selfish and irresponsible citizens who confuse rights with privilege. Our hope is that the 1963 Legislature may be concerned to a greater extent on those matters concerning life and health.

A handwritten signature in dark ink, reading "Albert L. Perkins, Jr." in a cursive script.

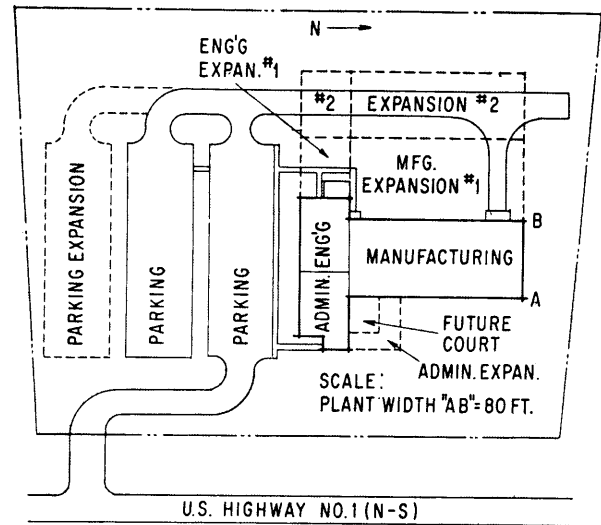
President, N. C. Chapter, A.I.A.

BUILDINGS FOR INDUSTRY

Aeronautical Electronics, Inc.

RALEIGH, N. C.





Selected by Factory Magazine as one of the "Top Ten" manufacturing plants completed in 1960



Aeronautical Electronics, Inc. — Aerotron for short — makes two-way mobile radio communication equipment. Originally located in leased buildings, expanding sales dictated a move and the plant is presently situated four miles north of Raleigh in rolling country, facing busy U. S. Highway 1. The building contains 26,000 square feet of manufacturing and office space.

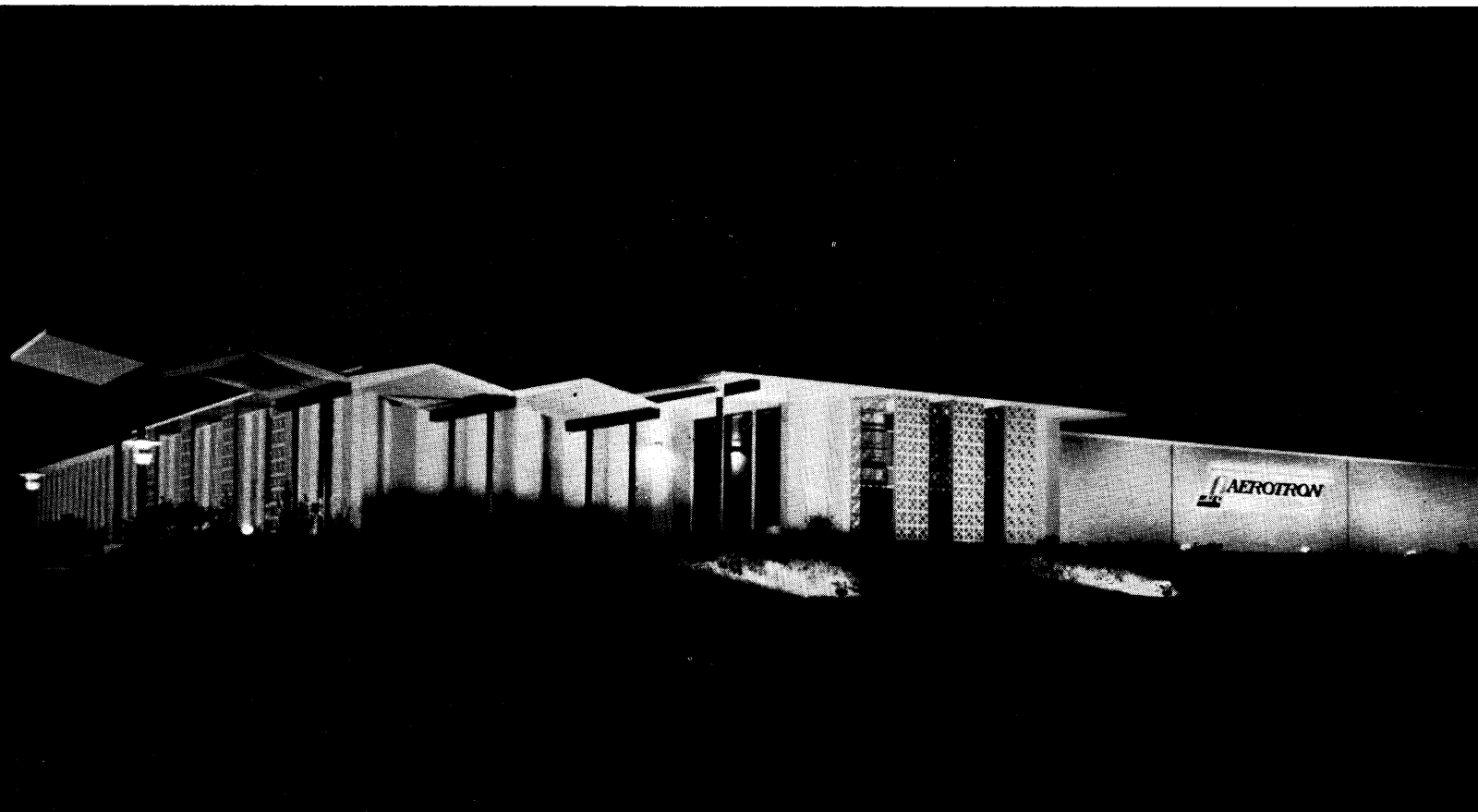
From the outside the plant has an unusual and inviting appearance, created by a concrete canopy of sawtooth design over the entrance and the vertically striped walls of the office wing. A blue and gold spray painted metal grille separates the general office from corridor traffic. The end wall of Aerotron's coffeeshop cafeteria is picture-windowed and opens to a canvas awninged patio for pleasant weather use. Bright colors are used tastefully throughout the plant. The 112-ft.-long benches in the assembly area are topped with orange-hued chipboard and fronted with Masonite panels alternately painted pink and gray. "Service Parts System" racks of bright red fit onto bench tops and these are hung with sparkling yellow trays of parts and sub-assemblies. The plant was designed with future expansion in mind in the engineering, administrative and production areas.

AERONAUTICAL ELECTRONICS, INC.

RALEIGH, N. C.

Architect-Engineer: Holloway-Reeves and Associates
Raleigh, N. C.

General Contractor: Davidson & Jones
Raleigh, N. C.



WOOD PRODUCTS LABORATORY

RALEIGH, N. C.

Owner: N. C. State College

Architect: Jesse M. Page & Associates

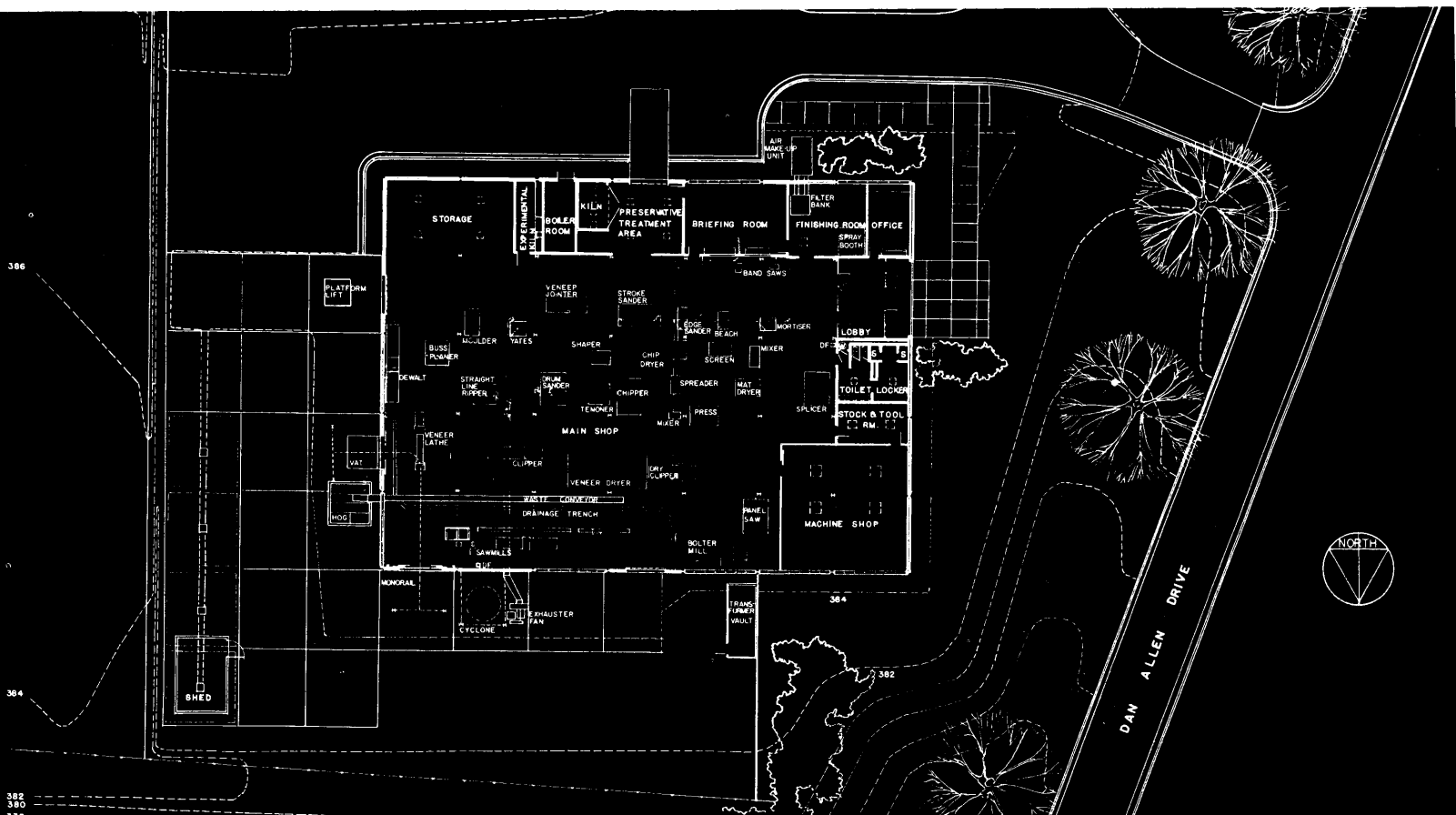
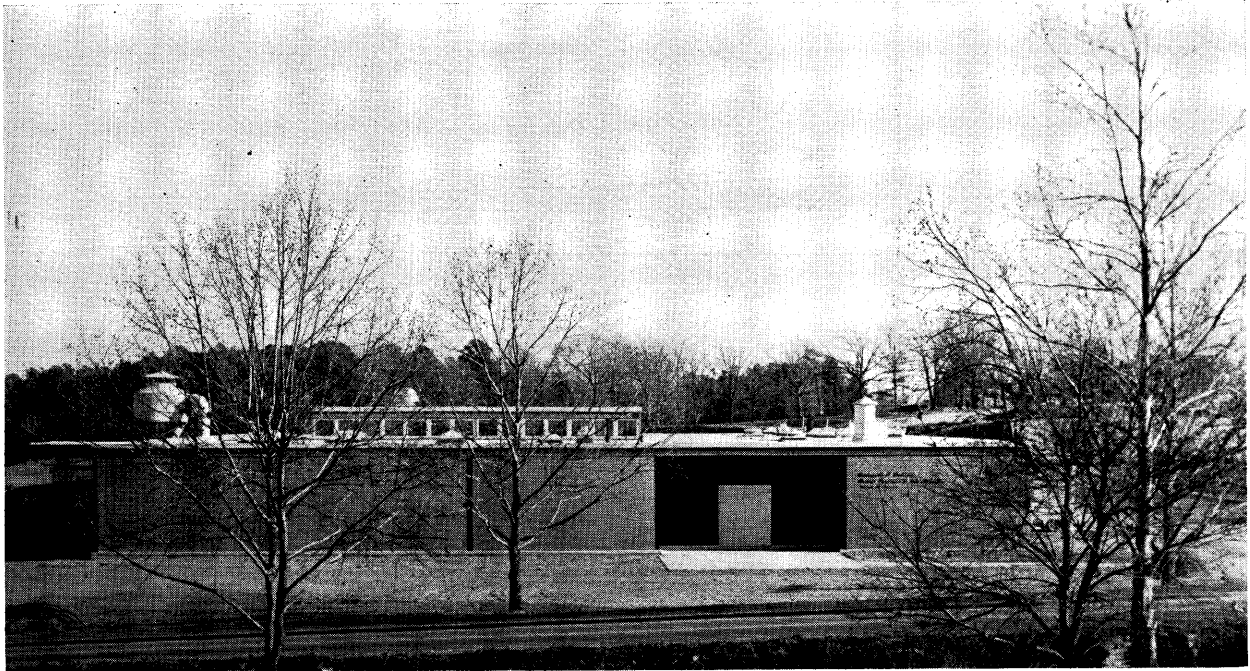
Engineers: T. C. Cooke, Mechanical & Electrical —
Ezra Meir & Associates, Structural



The laboratory houses facilities to change the log from the forest to the finished wood product — plywood, chipboard or some new research item. Various working areas are required to complete this process such as machinery and equipment area, machine shop, preservative treatment area, dry kiln, experimental kiln (for research work), finishing room, service areas (classroom, office, etc.) and storage area.

The building is steel frame exposed with cavity brick curtain wall panels, concrete roof deck; the ceiling is exposed and the roof built-up; windows are aluminum projected and walls brick interior and exterior. The various mechanical facilities are coordinated in design so that the ducts, pipe, light fixtures, etc. form an orderly pattern on the ceiling. Each of these items are painted a different color in order to emphasize the pattern.

The building is compact in every respect due to the limited amount of land available on the college campus. Mechanical facilities include a dust collection system from all equipment requiring same, high pressure steam to certain items of equipment, compressed air, and electric bus ducts and miscellaneous related items for flexibility of installation and relocation of equipment.



NORTH CAROLINA — STATE ON THE GO!

by Wade Lucas, Information Officer, North Carolina Department of Conservation and Development.

Educationally, industrially, agriculturally, and in other aspects of its way of life, North Carolina is, in the words of Governor Terry Sanford, "On the Go" and making good headway into the mainstream of American activity and progress.

Long regarded as the leader among the Southern States, North Carolina continues to move ahead under the leadership of Gov. Sanford and those he has asked to assist him to direct and help manage the affairs of the State during his administration.

That North Carolina is a progressive state is shown in graphic fashion by the record it has made, especially during the decade, 1950-60, and there is no let-up — nor will there be — in efforts at local and State levels to build a stronger economy in the Tar Heel State.

This, in effect, is a statement based on the spoken words of Gov. Sanford and those he has asked to help him. And those who have been "asked" constitute all North Carolina as a whole.

Director Hargrove Bowles, Jr. of the Department of Conservation and Development, one of those businessmen asked by Gov. Sanford to assist him, in outlining for the bankers of America and those of North Carolina, too, recently wrote:

"We have a fine business climate in North Carolina and we intend to keep it that way. We want to improve this fine business climate and we can by working together for the common good of our State."

Director Bowles went on to point out to the bankers in a special article in "American Banker", a publication featuring activities of banks and bankers in this nation, that North Carolina got off to a good start during the first quarter of 1961 in investments in new and expanded plants announced for the State. These announced investments amounted to \$42,410,000, a figure slightly higher than for the comparable period in 1960. These new and expanded plants will create a potential 5,450 new jobs and add \$18,838,000 annually in payroll.

During the decade ending with 1960 more than \$1.5-billion was invested in new and expanded industrial establishments in North Carolina, according to records compiled by the North Carolina Department of Conservation and Development.

This record was accomplished in large measure by work done at the local level. These groups have worked hard — and are continuing to do so in the unceasing efforts to build a stronger North Carolina.

Director Bowles in telling the bankers about the work of this particular group and others wrote:

"North Carolina now has more than 200 active industrial development organizations and hundreds of Chambers of Commerce working with the Department of Conservation and Development to build a better State. The program continues to receive wide support among banks, utilities, transportation systems, local government units, the General Assembly, press, radio and television."

In carrying on its program to build a stronger North Carolina, Gov. Sanford earlier this year headed a group of 30 North Carolinians into the Ohio Valley area to tell industrialists of the advantages and opportunities this State has to offer industry.

TRADE FAIR PLANNED

On the heels of that trip, which was described by Gov. Sanford as having been a highly successful one, came the announcement from Washington on the White House grounds that North Carolina will sponsor a unique type of Trade Fair to show industrialists, their buyers, and others throughout the free world of the wide variety of products now being manufactured by the approximate 7,300 manufacturing establishments in this State. The announcement in Washington was jointly made by President Kennedy and Gov. Sanford.

Dates for the North Carolina Trade Fair, which will be held in the Coliseum and new Merchandise Mart in Charlotte, are Oct. 12-21. President Kennedy, who has accepted an invitation to attend Founder's Day exercises at the University of North Carolina in Chapel Hill on Oct. 12, has promised to attend the opening of the Trade Fair in Charlotte if he can arrange to do so.

The Trade Fair, sponsored by the Department of Conservation and Development and the Charlotte Chamber of Commerce, is expected to attract buyers from throughout the free world to see the North Carolina-made products. The more than 1,000 booths available for display of only North Carolina-made products are rapidly being reserved. Preparations are being made to entertain from 50 to 150 thousand persons expected to view the exhibits.

North Carolina architects, who have advanced the architectural profession tremendously in recent years, should be especially interested in the varied types of products to be displayed at the Trade Fair.

In the stepped up efforts to obtain greater use of North Carolina products, Director Bowles said increasing emphasis is being put on other phases of the varied work done by the Department of Conservation and its eight different divisions.

Of particular interest is the "New Look" being given in State advertising. More zip and zing are being put into the nationally and internationally circulated State advertisements showing the attractions North Carolina has for industry as well as for the growing number of tourists visiting the State to view its scenic wonders and to enjoy its superb climate.

Incidentally, the tourist business continues to grow in this State, the latest compilations showing it is a \$375-million business annually in North Carolina.

Industry-wise, North Carolina continues to move forward in output value of its products. Latest figures available show the 7,300 manufacturing establishments in North Carolina last year produced a diversity of products having an output value of \$9,075-billion, second highest in 15 states of the South and Border States.

More than 500,000 persons held industrial jobs in North Carolina at the end of 1960. It is the nation's largest producer of textiles, tobacco and household wooden furniture. It is the largest lumber producing State in the South and the fourth largest in the nation. Every one of its 100 counties has forest lands.

Yet there remains much to be done and for the "State On The GO" it is truly a State on the go. It, and those who direct its destiny, are not content — nor will they ever be — with what is commonly referred to as the status quo.

PERSONALITY



WILLIAM R. HENDERSON

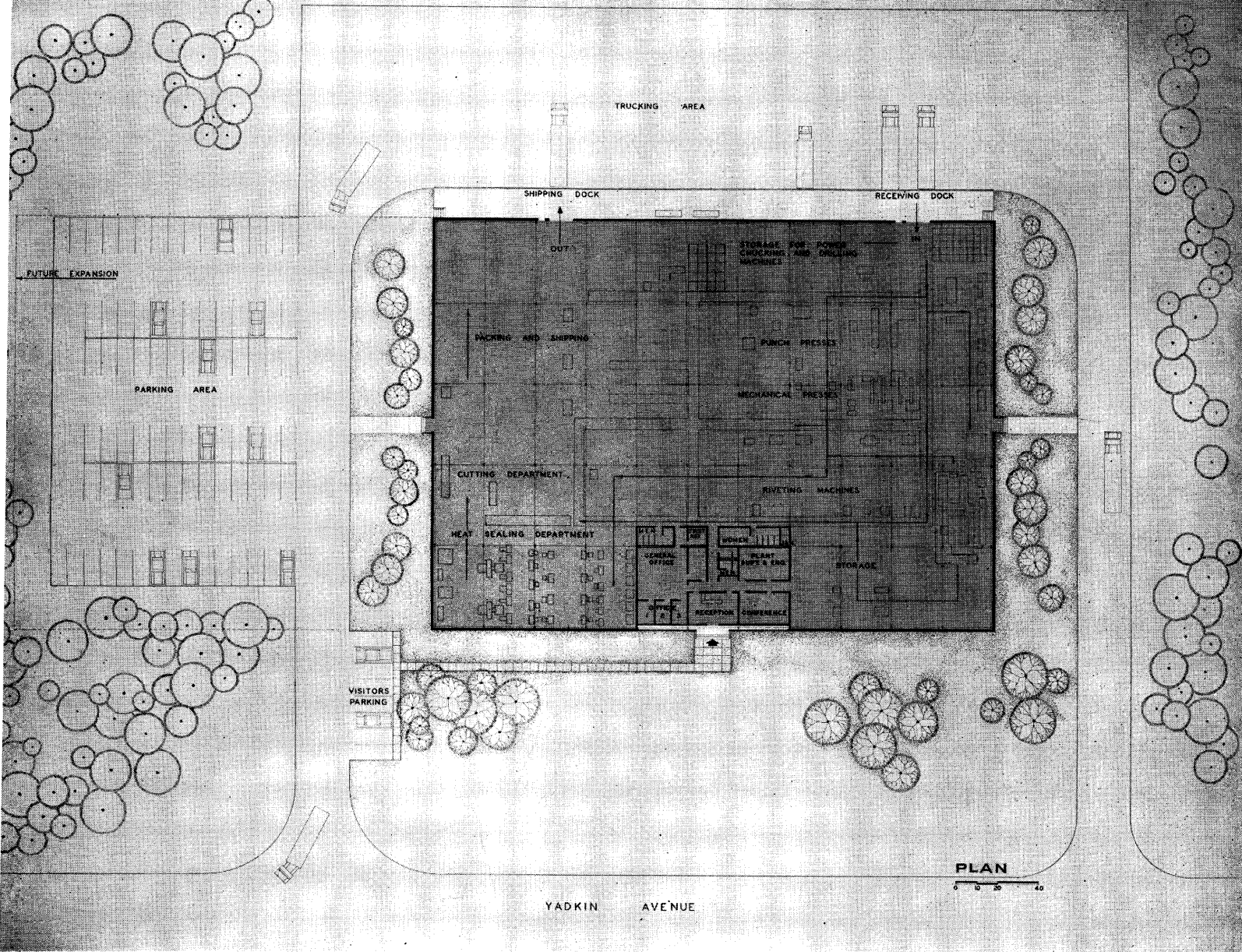
In line with former Governor Hodges' promotion of industrial development in North Carolina, the post of Industrial Development Administrator in the Department of Conservation and Development was given to William R. Henderson in September 1959.

The son of a Methodist Minister of Kipling, North Carolina, Mr. Henderson was graduated from High Point College in 1943 where he was President of the Student Body and a Member of Who's Who in American Colleges and Universities. After four years of active service in the Marine Corps, he was released to inactive duty in 1946 and presently holds the rank of Major in the U. S. Marine Corps Reserve.

Mr. Henderson was employed as a buyer for Sears Roebuck & Company until his resignation in 1947 to open his own business. Among his varied experience and activities he lists many chairmanships of drives for various civic clubs during his residence in Reidsville. In 1955 he was selected "Young Man of the Year" for North Carolina by the Junior Chamber of Commerce. Mr. Henderson acted as Industrial Consultant to the North Carolina Prison Department and was made Assistant Director in September 1956. In July 1957 he was appointed Head of the Division of Purchase and Contract for North Carolina, which position he held until becoming Industrial Development Administrator.

Since coming to Raleigh, Mr. Henderson has been active in church and boy scout work.

One has only to drive around the state to know of the success Mr. Henderson has had in promoting industrial development for North Carolina.



TRIMBLE PRODUCTS, INC.

SOUTHERN PINES, N. C.

Constructed of brick, steel, concrete, and light weight insulating concrete, the plant is situated off a main road with access roads to the entrance and loading areas. The minimum maintenance and low cost problems were solved by developing a utility brick cavity wall with solid headers and an economical structural system using cantilevered beam and purlin construction. Insulating concrete over tufcor constitutes the roof deck.

Trimble Products, Inc. produces children's furniture at the following rate per day:

800 Kiddy Baths
50 High Chairs

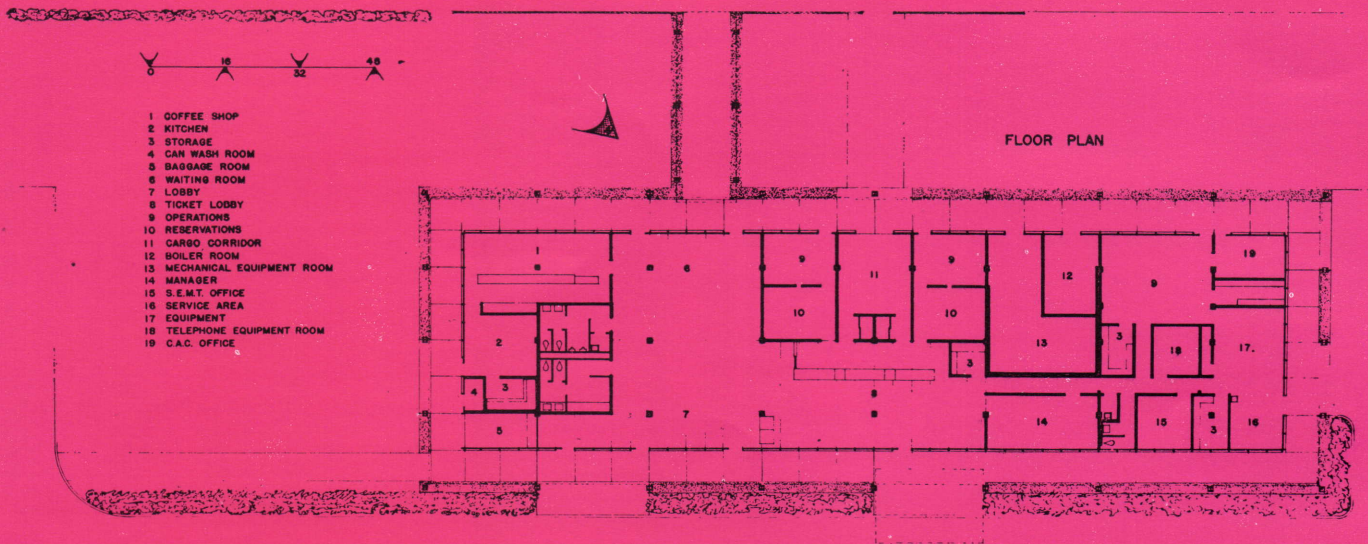
170 Kiddy Yards
100 Feeding Tables



Architect: John D. Latimer & Associates,
Durham

Engineers: Ernest Elsevier of John D. Latimer
& Associates, Mechanical
I. N. Durboraw, Wilmington, Del.,
Electrical
W. H. Gardner & Associates, Dur-
ham, Structural





The building is one-story, fire-resistive construction, planned to serve two commercial airlines and is expandable to meet greater needs in the future. The perimeter "porch" which serves as a sun visor, protection for the building and the increased ease of circulation of passengers and airport personnel, is reminiscent of the old-fashioned but very practical small town railroad station which had a covered platform on all four sides. Total square footage including "porches" is 12,941 sq. ft.

Exterior walls are heavy section extruded aluminum, double glazed plate glass, and colored, insulated aluminum panels. All plate glass is gray tinted to eliminate glare. All doors are aluminum. Floors generally are terrazzo. Ceramic tile floors and walls were used in toilet rooms and kitchen area. Ceilings generally are sprayed finish acoustical plaster, serving also as necessary fire protection for steel joists and beams. Partitions generally are exposed concrete masonry units, removable for flexibility.

Winter and summer air conditioning is provided by means of a hot water, chilled water system, oil fired. Emergency electric generator equipment is provided in a separate engine house.

Lighting is fluorescent, partially by cove lighting and partially by flush recessed strips. A public address system is part of the electronic installation.

NCAIA

HONOR AWARD

1961

HICKORY MUNICIPAL AIRPORT TERMINAL

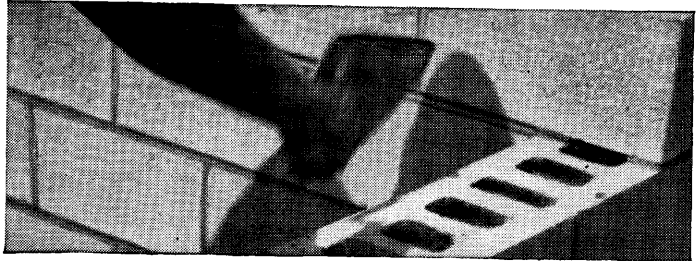
HICKORY, N. C.

Owner: City of Hickory

Architect: Clemmer & Horton, AIA
Hickory, N. C.

General Contractor: Hickory Construction Co., Inc.
Hickory, N. C.





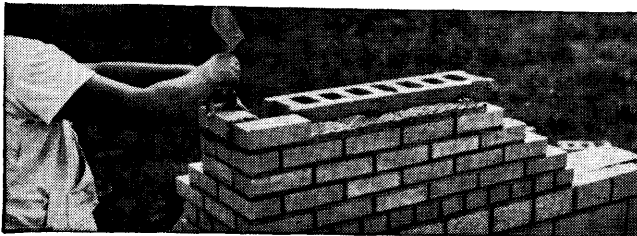
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One bag does it all. That's the story of mortar made with masonry cement.

All you add are sand and water. There's no more separate handling of cement and lime. No more guesswork. No need for special skills. When workability is right . . . water content is right.

Masonry cement means masons do a quality job . . . and a faster job. You get consistent color and strength . . . and consistent performance.

The manufacture of masonry cement is closely controlled to meet rigid specifications. Free technical literature on request. (U.S. and Canada only.)



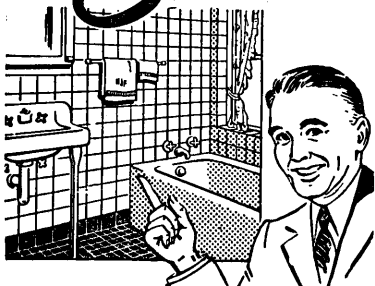
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Greensboro, N. C.

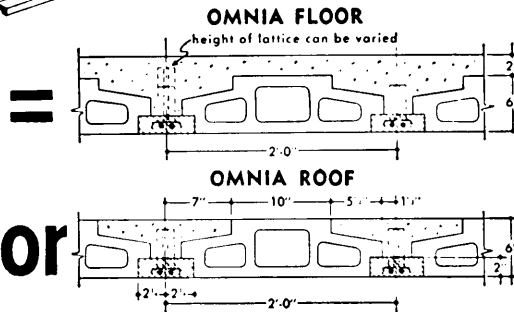
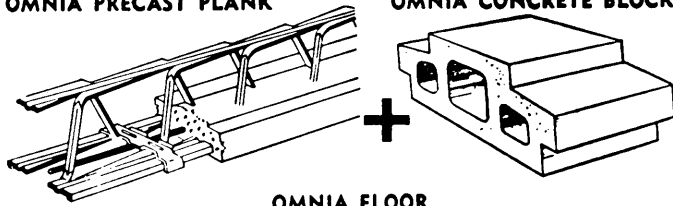
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OMNIA PRECAST PLANK

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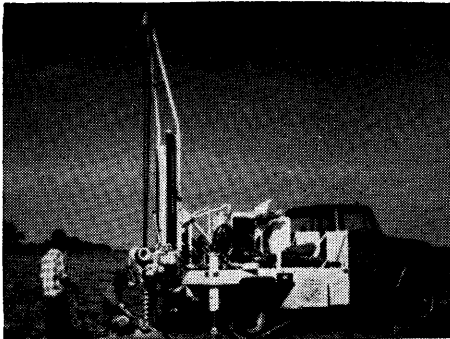
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DIXIE CONCRETE PRODUCTS, INC.

Winston-Salem—Mt. Airy—Wilmington

Ezra Meir & Associates

709 W. Johnson St. Raleigh, N. C.
Phone TE 4-8441



- Soil Borings
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- Reports



ARCHITECTURAL STONE

THE MABIE-BELL COMPANY

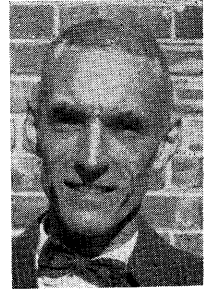
P. O. Box 1558 - Phone CY 9-6122 - Greensboro, N. C.

NCAIA ELECTS NEW MEMBERS

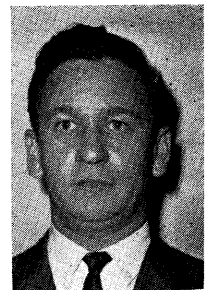
Three corporate members and two associate members have recently been elected to the North Carolina Chapter AIA. These men were inducted into the Chapter during the summer meeting in June at Morehead City, N. C.

CORPORATE MEMBERS

Robert Bonner Lyons, Raleigh
Born: December 7, 1907, Philadelphia, Pa.
Education: West Philadelphia High School
University of Pennsylvania
Graduated: B. Arch. 1934 — M. Arch. 1936
Professional Practice:
Robert B. Lyons, Architect, Raleigh
1953-1960
Edwards & Lyons, Architects, Raleigh
1960-Present



Marvin Harold Saline, Charlotte
Born: January 26, 1927, Charlotte, N. C.
Education: Central High School, Charlotte
Clemson A. & M. College, Clemson, S. C.
Graduated: 1951 — B. Arch.
Professional Training:
Marvin W. Helms, Charlotte
June 1949-August 1949
June 1950-August 1950
June 1951-February 1959
Professional Practice:
Helms & Saline, Architects, Charlotte
March 1959-Present



Richard Burke Schnedl, Reidsville
Born: November 21, 1926, Lakeland, Florida
Education: Georgia Military Academy
Graduated: 1944
N. C. State College
Graduated: 1952 — B. Arch.
Professional Training:
Leslie N. Boney, AIA, Wilmington
June 1950-December 1950
April 1951-June 1953
William Bumgarten, Raleigh
January 1951-March 1951
Edwin F. Schnedl, Reidsville
June-July 1953
Professional Practice:
Schnedl & Schnedl, Architects, Reidsville
July 1953-Present



ASSOCIATE MEMBERS

John P. Cone, Jr., Winston-Salem
Born: September 29, 1927, Larned, Kansas
Education: Manover High School, Manover, N. H.
Graduated 1945
New York University, New York, N. Y.
Columbia University, New York, N. Y.



Ardley W. Hart, High Point
Born: January 23, 1908, Camden, N. J.
Education: Hyattsville High School, Hyattsville, Md.
Graduated: 1925
Columbia Tech, Washington, D. C.
Post Engineer School, Fort Belvoir, Va.



ETOWAH BRICK

IN

- ◆ Red Face
- ◆ Buff Face
- ◆ Colonial Sand Finish Red
- ◆ Colonial Sand Finish Sea Island Pink
- ◆ Colonial Sand Finish Peach Blossom

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Raleigh, N. C.

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able in the state for qualified
persons. Let me hear from you.

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Columbia, S. C.
Greenville, S. C.

ACOUSTICAL CONTRACTORS

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(See our ad on page 23)
Acoustical and Roof Deck Contractors
Movable Partitions, Fire Proofing
Reps.: Floyd Montgomery, Harold Sivertsen, Robert
Russell, P. O. Box 3204, Charlotte

Bost Building Equipment Company
(See our ad on page 24)
Floor and Acoustical Contractors
P. O. Box 4033, Charlotte 4

ARCHITECTURAL METALS

Blumcraft of Pittsburgh
(See our ad on page 2)

ARCHITECTURAL RENDERINGS

Ralph Johnson, Raleigh, N. C.
(See our ad on page 23)

BRICK

Borden Brick & Tile Company
(See our ad on page 18)

Boren Clay Products Company
(See our ad on page 22)

Brick & Tile Service
(See our ad on back cover)

Isenhour Brick & Tile Co., Inc.
(See our ad on page 24)

Kendrick Brick & Tile Company
(See our ad on page 27)
Sales office: 3225 South Blvd., Charlotte

Moland-Drysdale Corporation
(See our ad on page 18)

Sanford Brick & Tile Company
(See our ad on page 21)

BUILDER'S HARDWARE

Delph Hardware & Specialty Company
(See our ad on page 18)
Charlotte, N. C., Raleigh, N. C., Columbia, S. C.,
Greenville, S. C.

CONCRETE

Portland Cement Association
(See our ad on page 16)

CONCRETE MASONRY UNITS

Dixie Concrete Products
(See our ad on page 17)
Omnia Precast Floor & Roof Systems,
Reps.: Jim Forkner, Les Stallings
3300 Liberty St., Winston-Salem

N. C. Concrete Masonry Association
(See our ad on page 24)

Smith Concrete Products, Inc.
(See our ad on page 22)

CONCRETE, PRECAST STRUCTURAL

Arnold Stone Company
(See our ad on page 24)
Reps.: Clyde Poovey, Ed Wilson
P. O. Box 3346, Greensboro

CONCRETE FACINGS, PRECAST

Mabie-Bell Company
(See our ad on page 17)

CONTRACTORS, GENERAL

H. L. Coble Construction Company
(See our ad on page 22)

Dickerson, Incorporated
(See our ad on page 24)

McDevitt & Street Company
(See our ad on page 18)

ELECTRICAL SERVICES

Carolina Power & Light Company
(See our ad on page 27)

ELEVATORS

Monarch Elevator and Machine Company
(See our ad on page 16)

FOUNDATIONS

L. A. Reynolds Company
(See our ad on page 16)

INSULATION

Zonolite Company
(See our ad on page 23)

SOIL BORINGS

Ezra Meir & Associates
(See our ad on page 17)

STEEL, STRUCTURAL

Dewey Bros., Inc.
(See our ad on page 23)

TERMITE PREVENTION

Bird & Son, Incorporated
(See our ad on page 26)

TILE, CERAMIC

Mid-State Tile Company
(See our ad on page 22)

Renfrow Distributing Company
(See our ad on page 16)



Wishing Mr. and Mrs. Charles Kahn a pleasant trip to Europe are Dean and Mrs. Henry Kamphoefner.



Enjoying a social chat: Bill James, Mrs. Jenkins, Art Jenkins and Mrs. James.

NCAIA SUMMER MEETING 1961



Dancers: Mrs. Edward Waugh, Guy Crampton, Mrs. Bob Russell, Robert Carr.

With approximately 150 people in attendance including wives, children and guests, the summer meeting was most successful. Despite the rainy, cold weather, the fishing was good and the social events delightful. Among guests attending were Mr. and Mrs. Bob Russell of Charleston, S. C. (he is president of A.G.C., Carolinas Branch), Mr. John Bolen, President of P.E.N.C., and Mrs. Bolen and Mr. and Mrs. James Godwin of Raleigh.

During a social hour at the Coral Bay Club on Thursday, Marshall I. Pickens of Charlotte, Secretary of the Duke Endowment, was welcomed as a new Honorary Associate of the Chapter and was presented a certificate. At the Friday evening banquet Charles H. Kahn, AIA, was presented a check by President Haskins from the Henry Adams Scholarship Fund.

A lively round-table discussion pertaining to architectural and administrative problems developed during the Friday morning breakfast held for the Executive Committee, Committee Chairmen and Council Presidents. At the Saturday morning meeting William W. Dodge III directed a most enlightening workshop in public relations. Three new corporate members were inducted into the Chapter at this meeting and it was announced that two new associate members had also been elected.

The next annual meeting will be held at Southern Pines, January 25-27, 1962.

ELECTED TO HONORARY ASSOCIATESHIP

Marshall I. Pickens, Charlotte, N. C., Secretary of the Duke Endowment, has been associated with the Duke Endowment for thirty-two years, beginning as a Field Representative in the Hospital and Orphan Sections. He served as Assistant Secretary from 1946 until his election as Secretary in 1961. A native of Pineville, N. C., Mr. Pickens was graduated from Duke University, A.B. 1925, M.A. 1926. He is married to the former Sarah Wakefield and they make their home in Charlotte.



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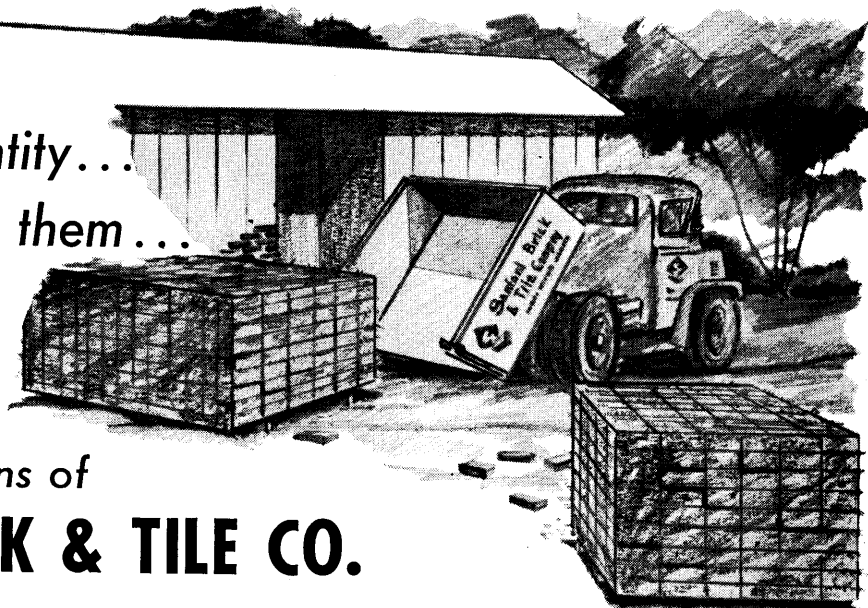
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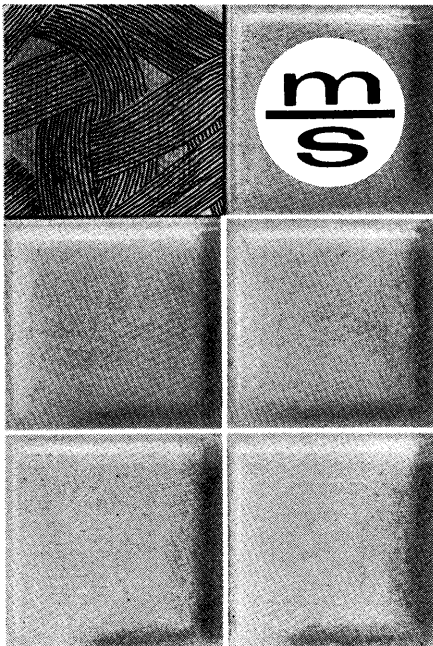
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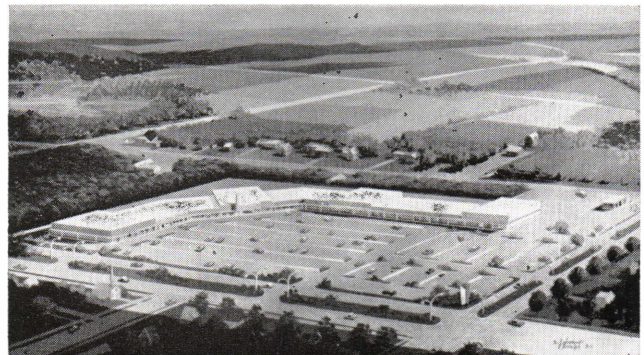
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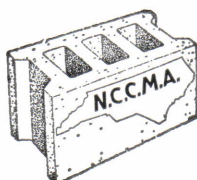
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ARCHITECTS and BUILDERS in the NEWS

N.C.A.R.B. DIRECTOR

John Erwin Ramsay, A.I.A. of Salisbury has been elected a director of the 1961-62 National Council of Architectural Registration Boards. This is a regulatory body that sets standards of practice and governs the reciprocity of the licensing of architects between states. Mr. Ramsey is President of the North Carolina Board of Architecture.

PRESS AWARDS

It was announced again at the summer meeting that the N. C. Chapter, A.I.A., proposes to present an award to an employee of a member newspaper of the N. C. Press Association. Presentation of a monetary award and certificate to the writer of a published newspaper article concerning primarily architecture and/or architects will be made at the winter convention. The award will be divided between an employee of a daily paper and an employee of a non-daily paper.

Initial choice and final judgment will be by the N. C. Press Association with the chairman of Public Relations Committee of N.C.A.I.A. acting as adviser.

RALEIGH COUNCIL MEETS

The Raleigh Council of Architects held a luncheon meeting at the Holiday Inn on June 1. William C. Correll, AIA, was in charge of the program. R. G. B. Bourne, Vice President of P.E.N.C. addressed the group.

VICTOR W. BREEZE

It was with sincere regret that the N. C. Chapter learned recently of the death of Victor W. Breeze, AIA, of Shelby. Mr. Breeze, a member of the firm of Breeze, Holland and Riviere, passed away in April 1961.

CALENDAR OF EVENTS

JULY 18-AUGUST 15: Winston-Salem Council of Architects, Y.W.C.A.

William R. Wallace, AIA, President

JULY 19, 26, AUGUST 2, 9, 16, 23, 30: Architect's Guild of High Point, Marguerite's Restaurant

George C. Connor, Jr., AIA, President

JULY 27-AUGUST 31: Greensboro Society of Architects, Maplehouse Restaurant

Herman R. McLawhorn, Jr., AIA, President

AUGUST 1: Deadline for material for September issue.

AUGUST 2: Durham Council of Architects, Harvey's

Robert W. Carr, AIA, President

AUGUST 3: Charlotte Council of Architects
Chez Montet

R. Emory Holroyd, Jr., AIA, President

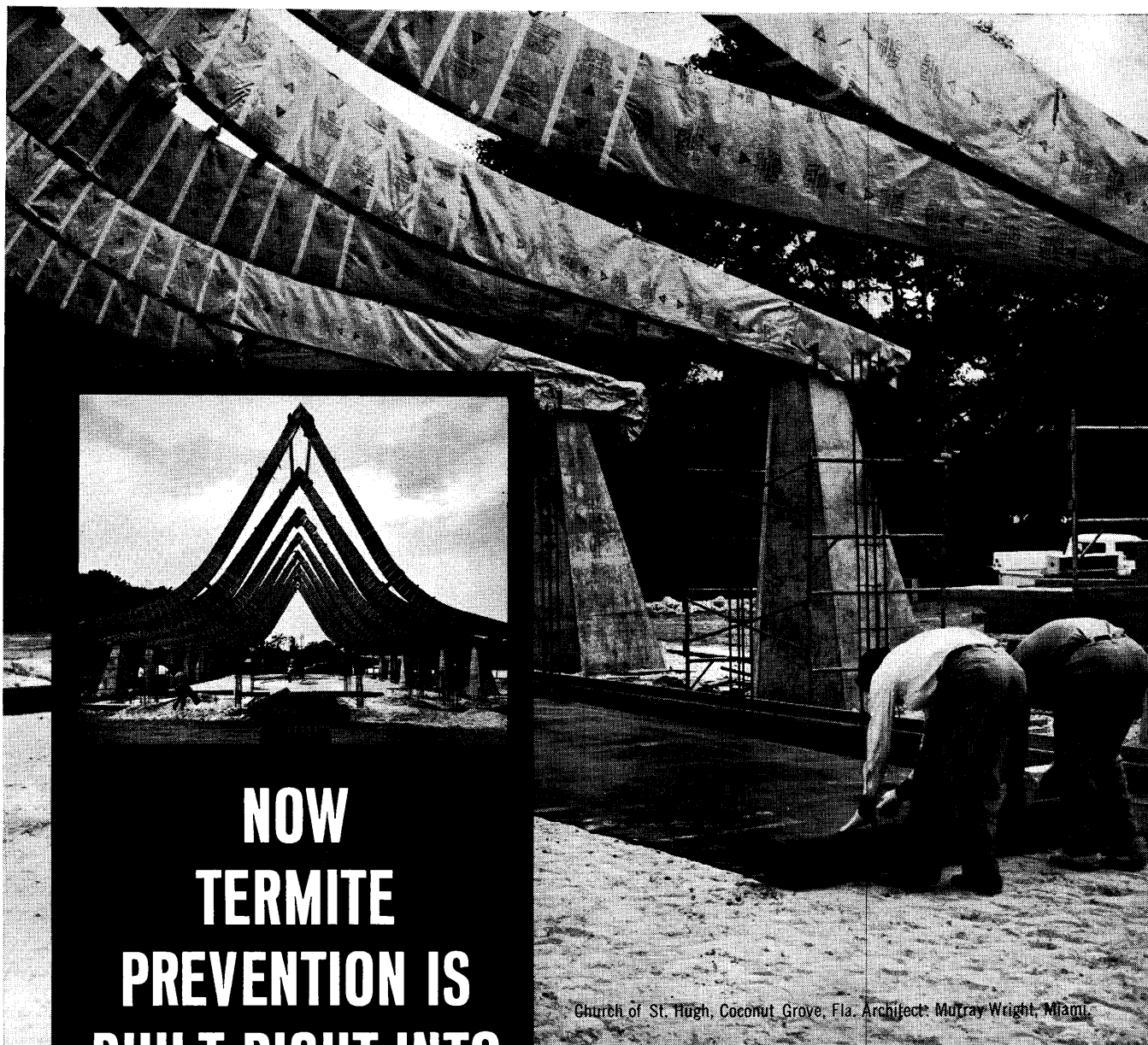
AUGUST 4: Raleigh Council of Architects,
Holiday Inn

Robert W. Etheredge, Jr., AIA, President

AUGUST 25: Eastern Council of Architects
(Place to be announced)

Robert H. Stephens, AIA, New Bern
President

JANUARY 26, 27, 28, 1962: Winter meeting
Mid-Pines Hotel, Southern Pines



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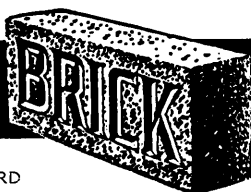
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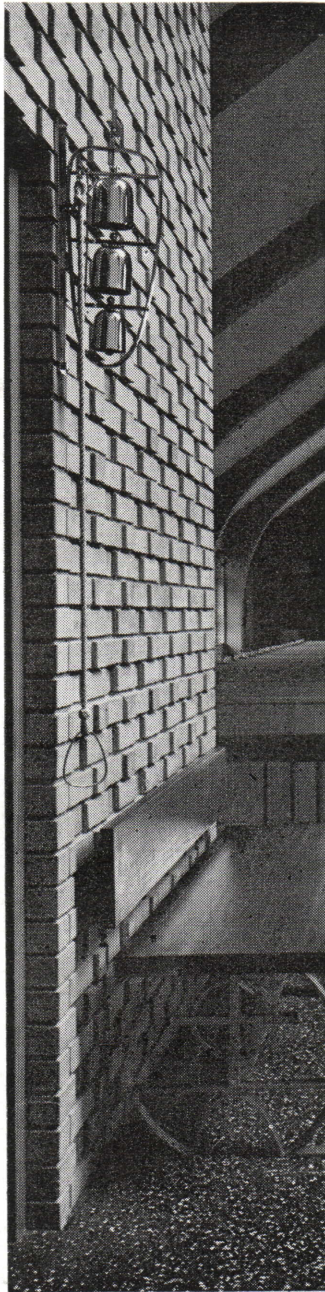
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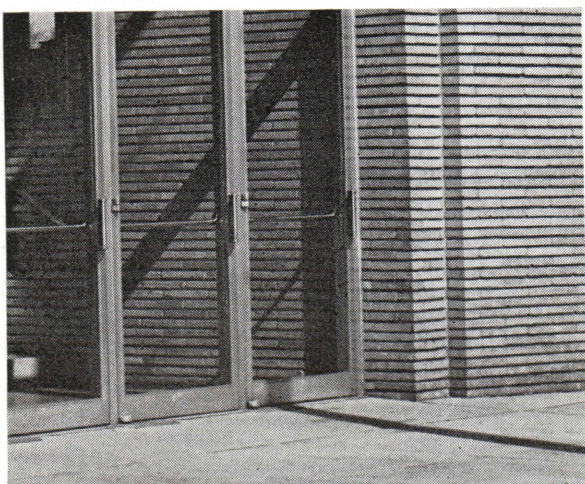
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