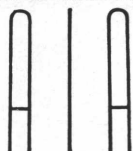


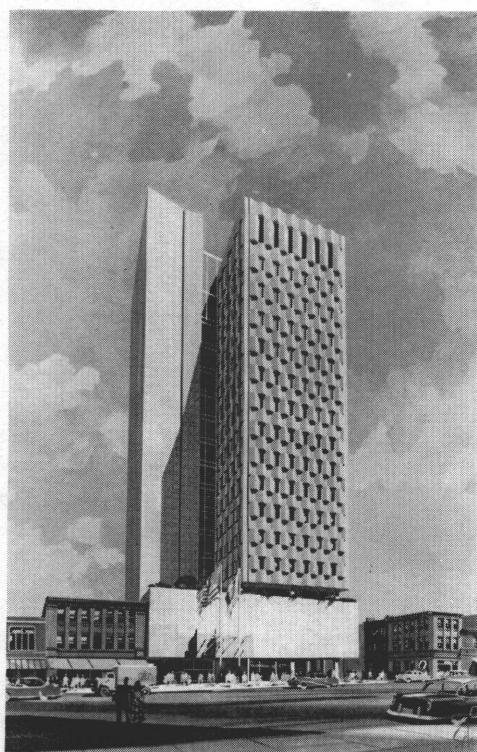
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JULY 1956

Official Publication
North Carolina Chapter



American Institute
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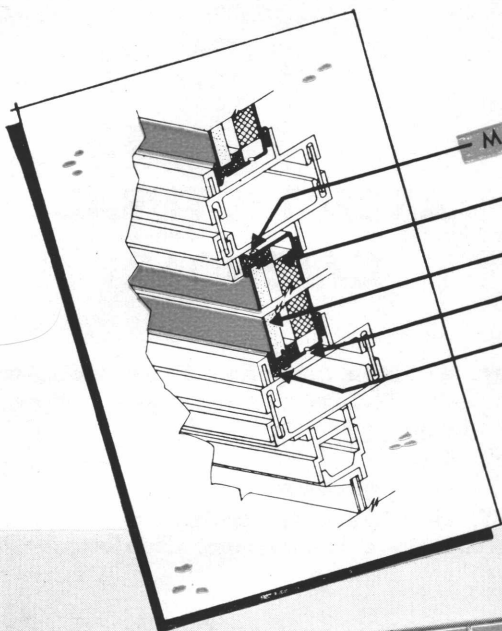
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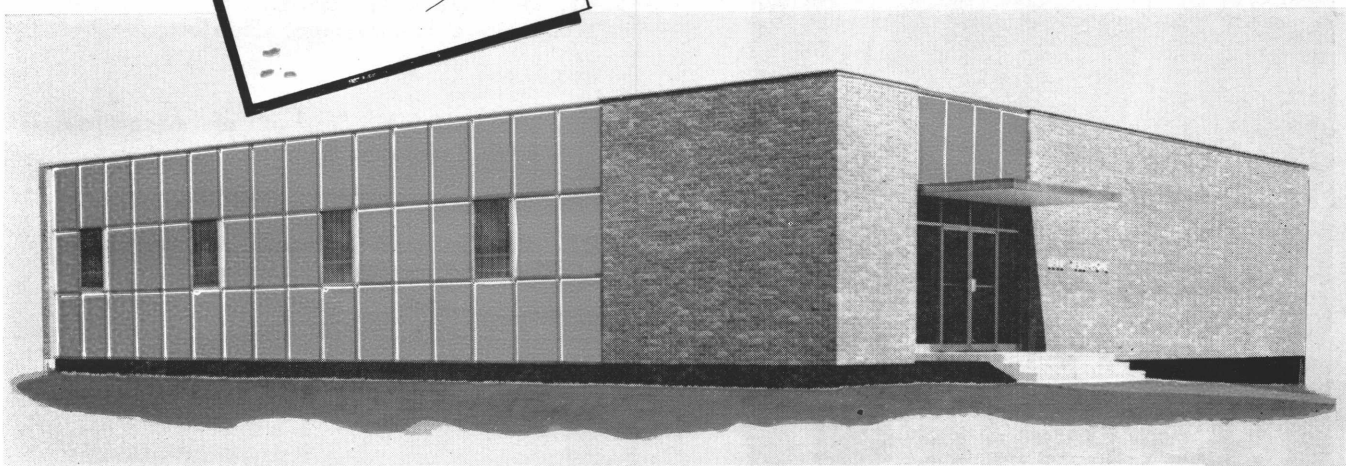
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ARCHITECTURAL CALENDAR

SEPT. 4: Winston-Salem Council of Architects. El-Cam-Rey Restaurant, Winston-Salem.

SEPT. 5: Charlotte Council of Architects. Thackers Restaurants, Charlotte.

SEPT. 6: Raleigh Council of Architects. S.&W. Cafeteria, Raleigh.

SEPT. 7: Guilford Council of Architects. Bliss Restaurant, Greensboro.

SEPT. 18: Winston-Salem Council of Architects. El-Cam-Rey Restaurant, Winston-Salem.

OCT. 15-19: American Society of Civil Engineers. Fall Convention. William Penn Hotel, Pittsburgh, Pa.

OCT. 11-12: Noise Abatement Symposium. Sponsored by Illinois Institute of Technology, with study of the control of noise through architectural design. Hotel Sherman, Chicago, Ill.

OCT. 19-20: National Trust for Historic Preservation. Annual Meeting. Washington, D. C.

NOV. 12-14: Structural Clay Products Institute. Annual Convention. Boca Raton, Fla.

DEC. 9-11: Carolinas Branch, Associated General Contractors of America. Annual Convention. Boca Raton Hotel, Boca Raton, Fla.

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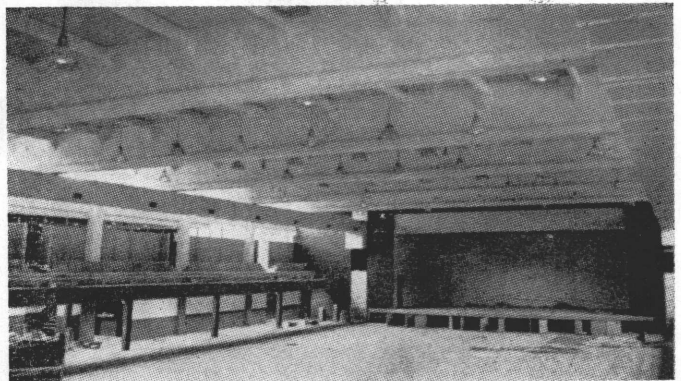
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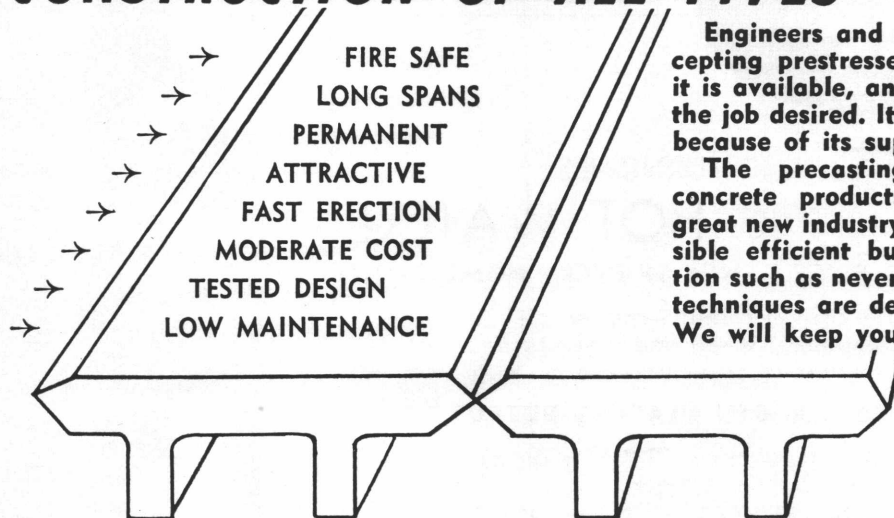
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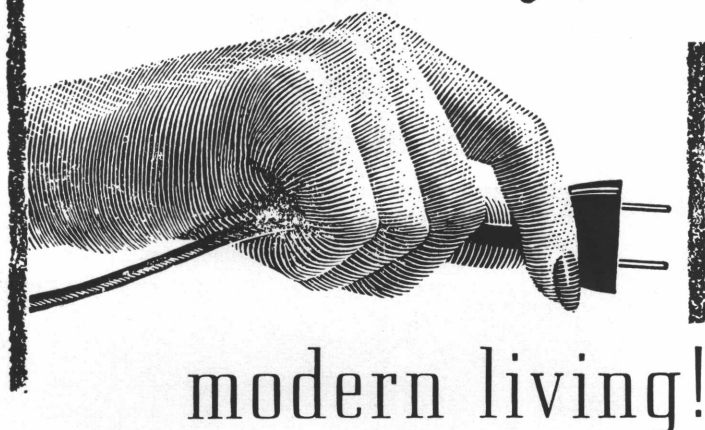
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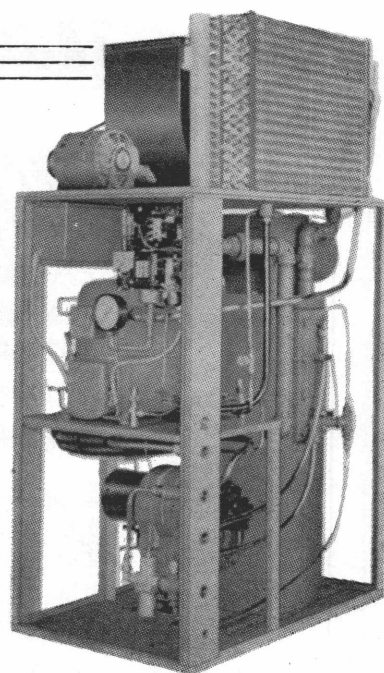
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Southern Architect

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COVER PHOTO

Bank and Office Building for Wachovia Bank & Trust Company, Charlotte. Harrison & Abramovitz, FAIA, New York, N. Y., and A. G. Odell, Jr., AIA, Charlotte, Associated Architects.

NORTH CAROLINA CHAPTER • THE AMERICAN INSTITUTE OF ARCHITECTS

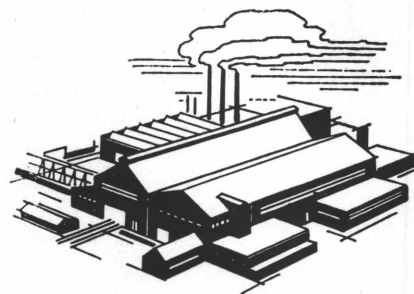
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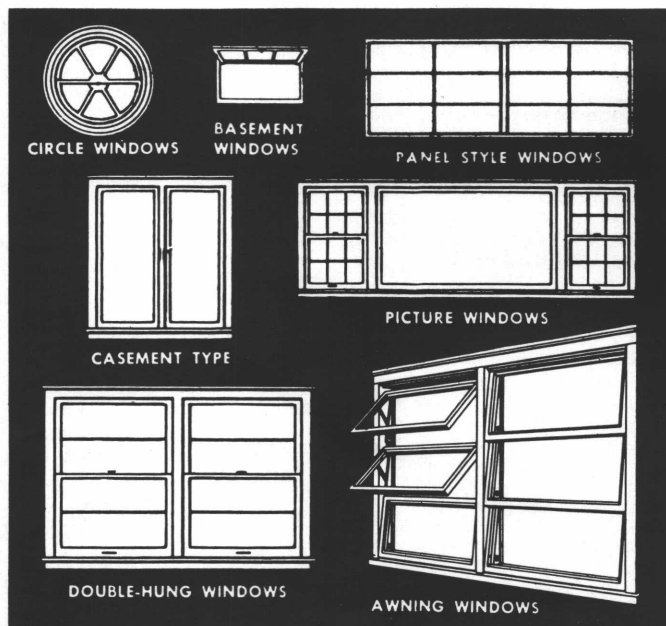
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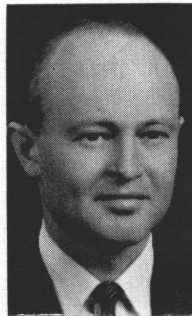
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PRESIDENT'S MESSAGE

Convention Report—Final, Part 3—
Seminars and Educational Tours

The major addresses at the Convention by Dean Burchard, Clarence Stein and others have been printed for all members in the A.I.A. Journal. Other Institute business matters and decisions have been covered in Institute publications.



WILLIAMS

A few final observations on the seminars, tours and entertainment features may be appropriate. Those who are interested in attending a National Convention made at the 1957 Centennial can expect every effort to be made in Washington to surpass the presentations in Los Angeles.

Various Chapter committee subjects had seminars and round table discussions scheduled throughout the Convention with corresponding Institute committees. Our own committees have been organized so that full advantage can be taken of these contacts. It is necessary that a number of Chapter delegates be present to meet with all the more important sessions which are scheduled of necessity at the same time.

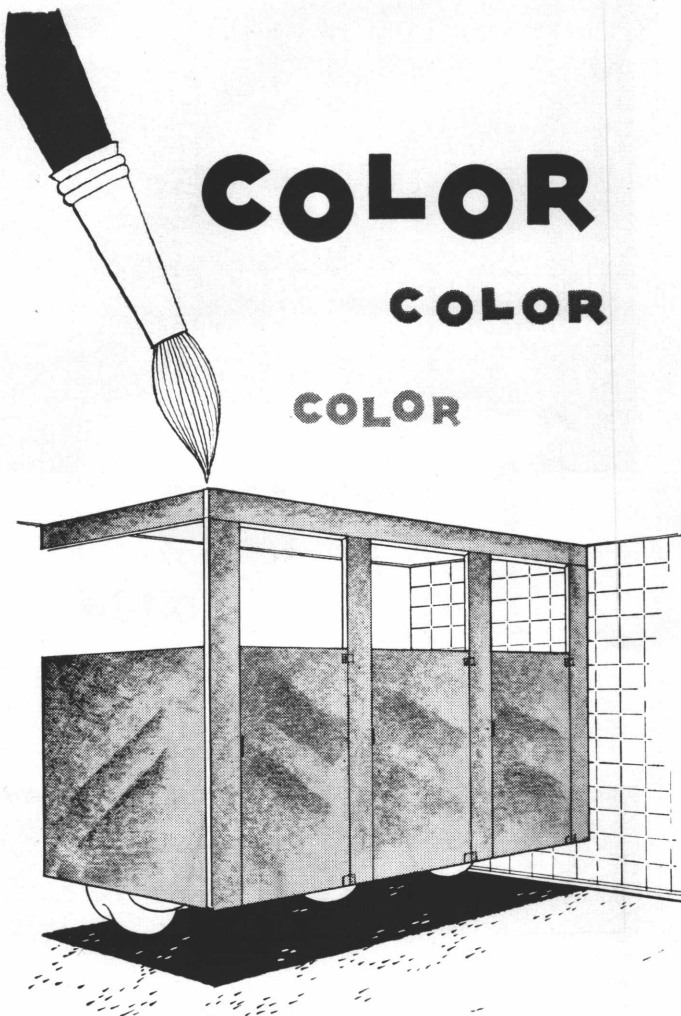
A seminar on Architecture for Safety with discussions on hurricane, flood, earthquake, and fire hazards was of special interest to areas such as North Carolina where new hurricane damage has become prominent. Florida, Connecticut and California were represented on the panel leading the discussion. Additional seminars were held on "Better Design for a Million New Homes Each Year"—the Home Building Industry; and on "Architecture for Enjoyment"—Collaboration of Artists, etc. Round table discussions—some with over a hundred in attendance—were conducted on the following subjects which in general are the concern of specific committees in our Chapter: Preservation of Historic Buildings, School Building Trends, Office Practice, State Organization in the Institute, Architectural Specifications, Education Committee Program.

Conducted tours were available with the Architects discussing their own projects under the following classifications: Churches, schools, hospitals, housing development, and homes. Special entertainment tours of studios and other site-seeing spots in the vicinity of Los Angeles were scheduled.

In all of these areas of consideration, new ideas, approaches and thought on the constant problems of professional practice were very stimulating and inspiring. This, of course, is the real purpose of a Convention and should result in the growth and improvement of all who attend.

These are some random personal observations which can be considered suggestive and of a general nature only. Commercial building is far more imaginative and stimulating. Schools are frequently cheaply constructed but cost more than in our area. Their design ideas are provocative. Churches are far more advanced in design and better constructed. The collaborating landscape Architects, artists, and sculptors are used more and to great advantage. Interiors are more carefully considered

(Continued on page 27)



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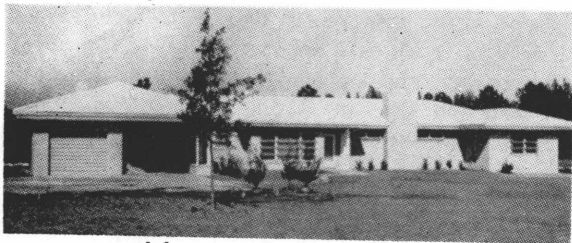
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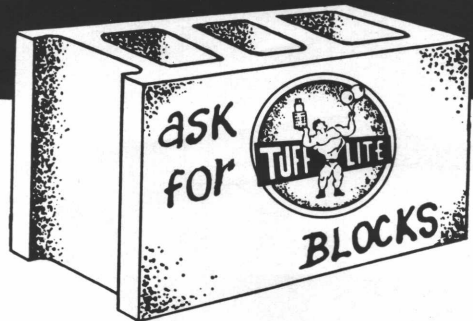
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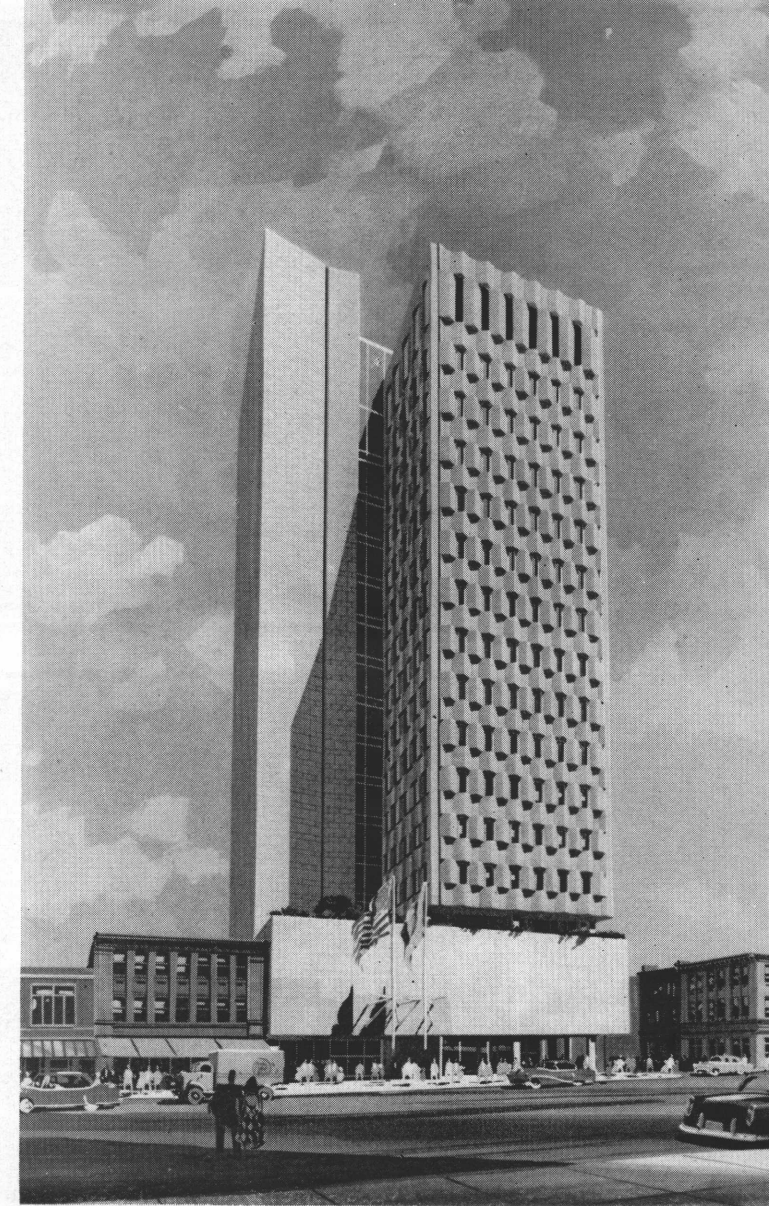
A. G. Odell, Jr., AIA

CHARLOTTE

Work has already begun on a new 15-story bank and office building in the heart of down-town Charlotte for the Wachovia Bank & Trust Co. Harrison & Abramovitz, FAIA, of New York, N. Y., and A. G. Odell, Jr., AIA, of Charlotte are associated architects for the building.

Located at the intersection of West Trade and South Church Streets in Charlotte, the new office building is just one block from Charlotte's Independence Square.

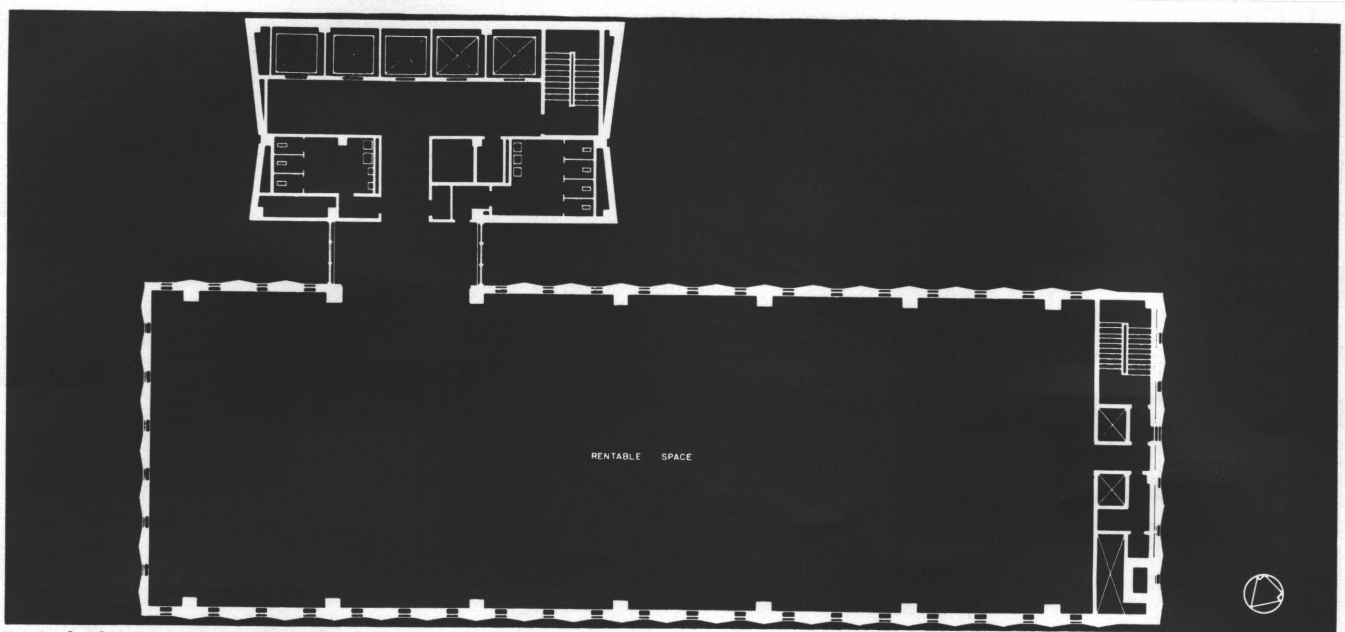
The building will be constructed of reinforced concrete frame. The exterior of the first three floors will be of native North Carolina stone. Two 11-story



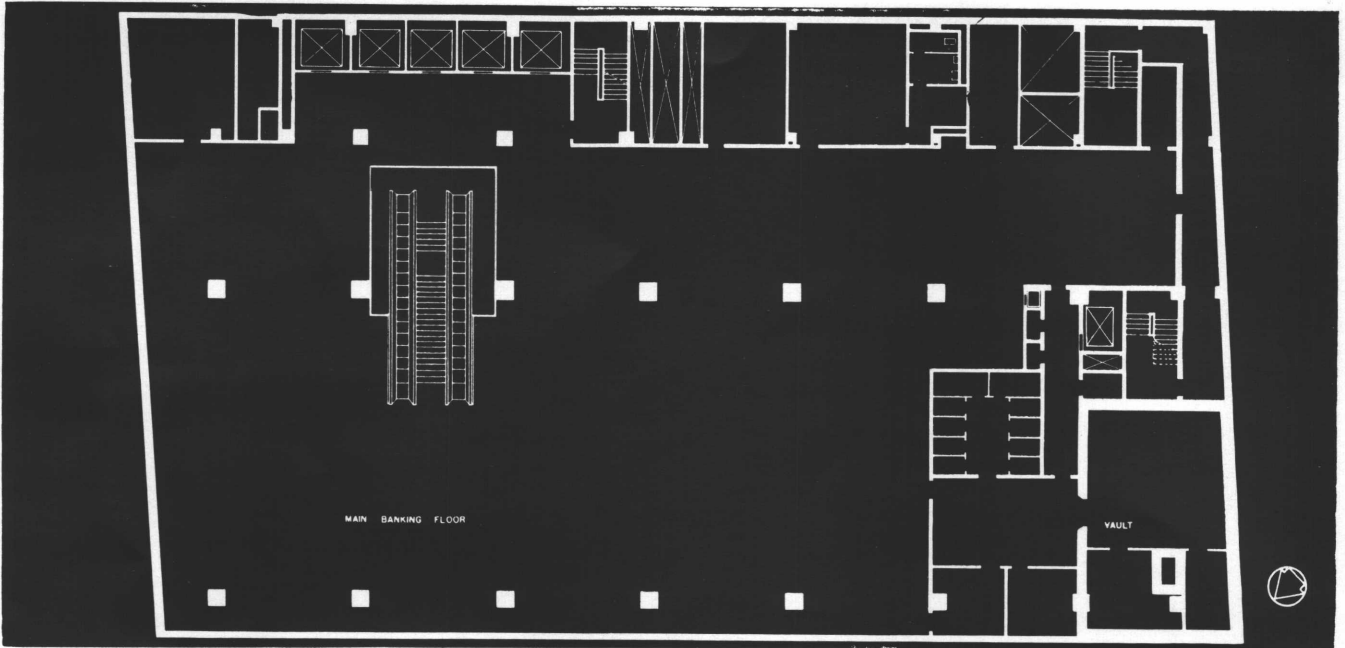
towers, a small tower for elevators and storage, and a large one for office space will rise from a two story base.

The office tower will be faced with precast concrete panels of prismatic design which will project beyond the office windows thereby providing considerable protection against the direct rays of the summer sun. The panels will be finished with small stone fragments embedded in the surface, giving a soft textured appearance of marble.

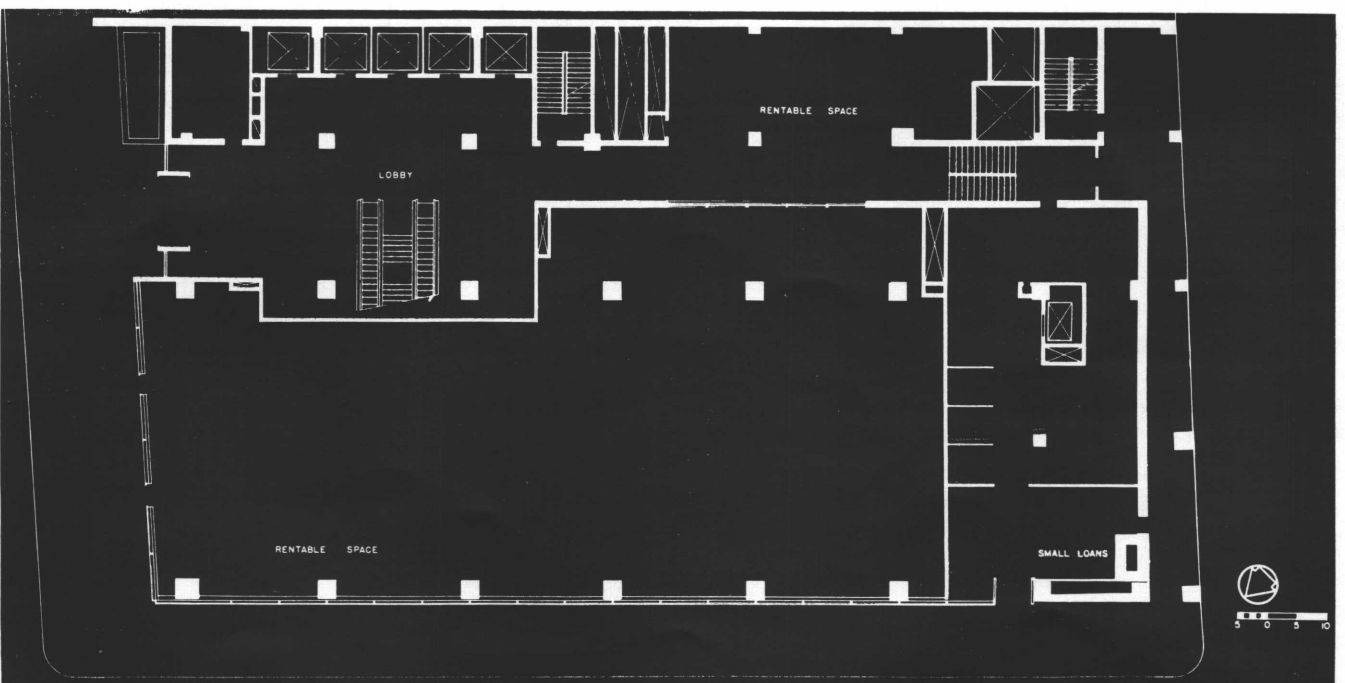
The building will contain 200,000 square feet of floor space and will be completely air conditioned.



Typical Floor



Main Banking Floor



Ground Floor



Aerial View

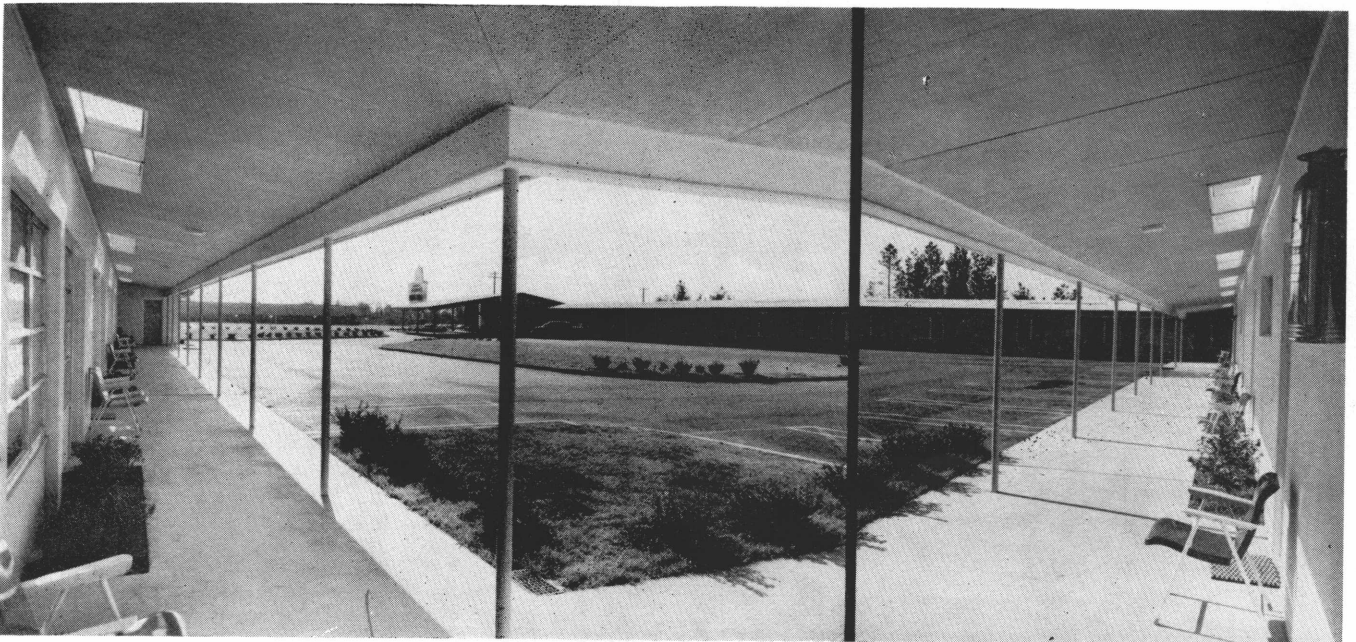
MOTEL AND RESTAURANT

RALEIGH, N. C.

F. Carter Williams, AIA

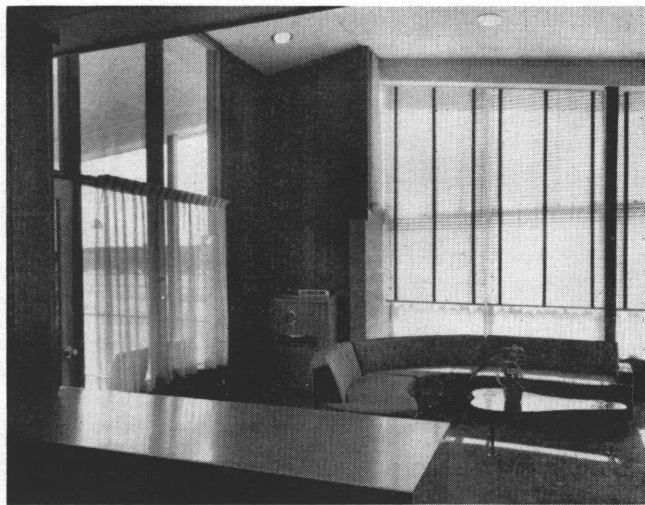
RALEIGH, N. C.

Courtyard From Rear





Office



Lounge

A 30-unit motel in conjunction with an adjacent restaurant, with facilities to provide the flexibility demanded by the individual needs of a constantly turning-over flow of guests was designed by F. Carter Williams, AIA, of Raleigh for Raleigh Enterprises, Inc.

Eighteen of the units contain space for two double beds, while the remaining units have one double bed and space for an additional single bed when the need requires. Where possible, connecting doors were provided so that units could be rented individually or as apartments to serve several guests travelling together. All units have private baths and extra wash basins and dressing counters are provided in all double bed units.

All rooms are equipped with air conditioning and have provision for television. Heating and air conditioning controls are located in each room for the convenience of guests. Cross ventilation is provided

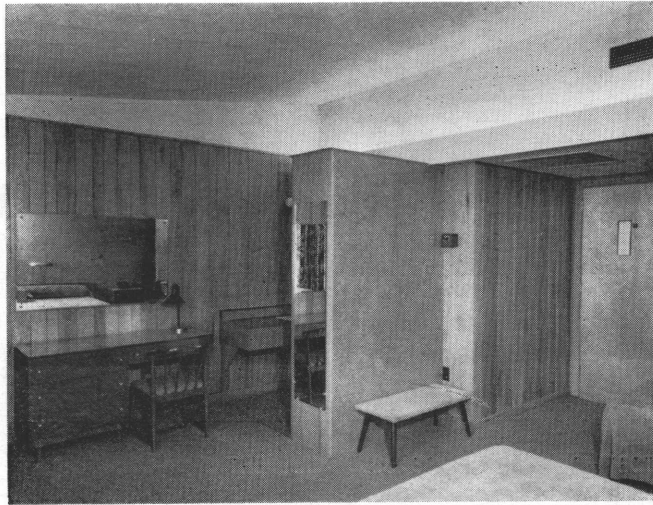
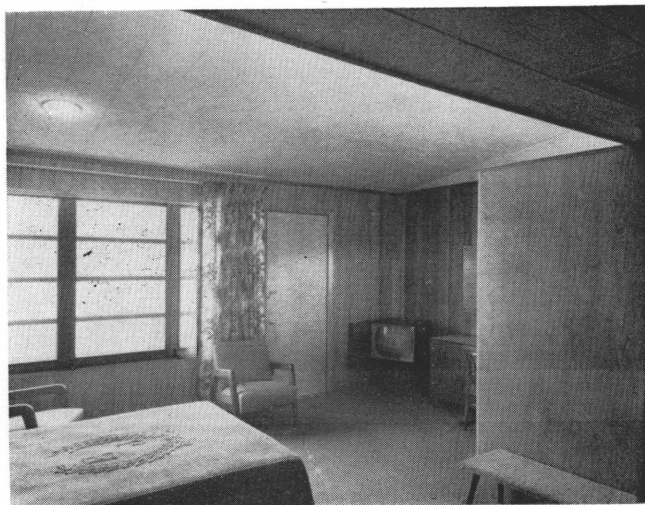
in units for guests who do not wish air conditioning.

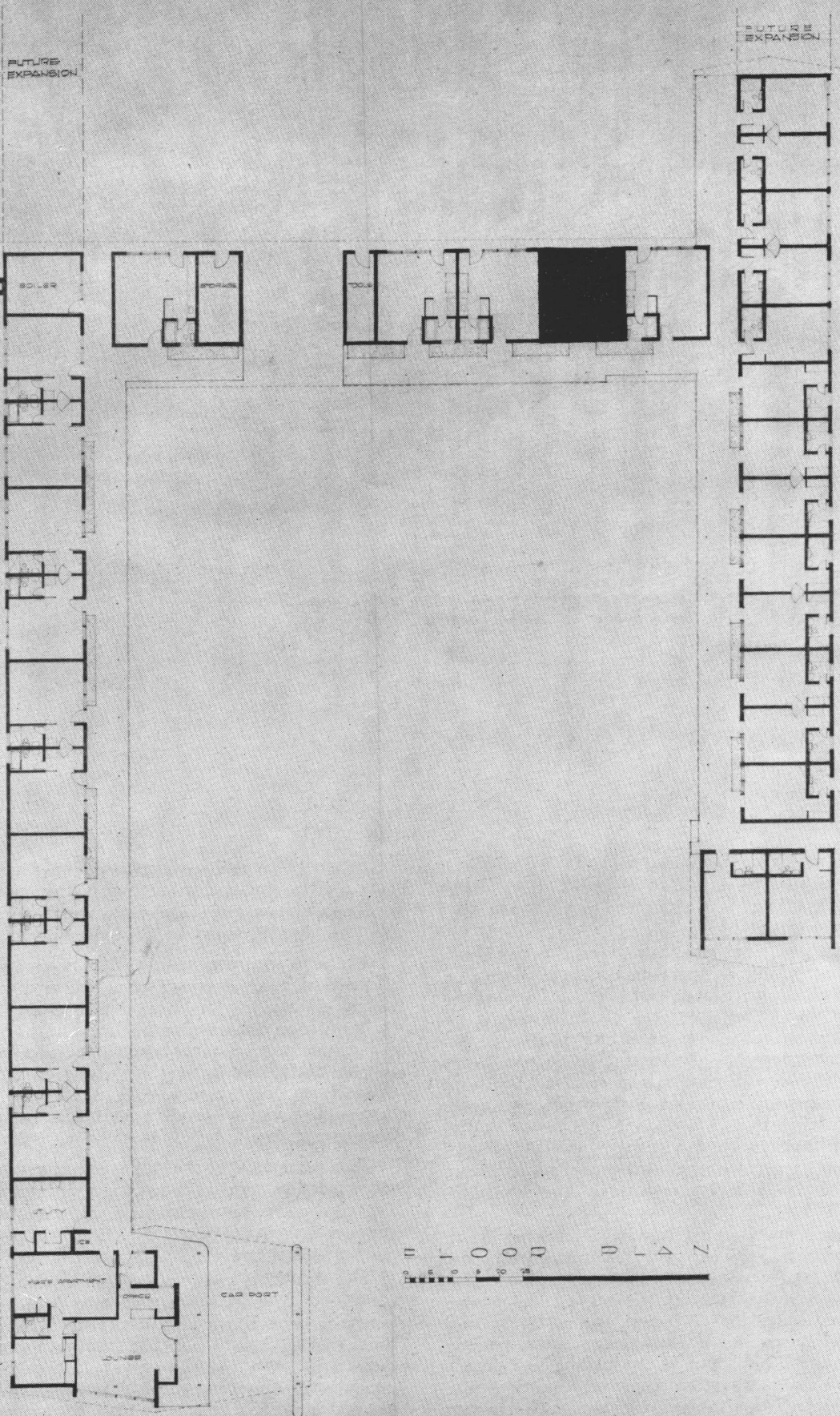
One factor entering into the design and location of the buildings on the site was the need for the approach to be such that traffic between the lodge and restaurant would not have to re-enter the highway and so that traffic within the court could be controlled from the office. Windows on the wall adjacent to the restaurant were kept to a minimum in order to eliminate interference from car traffic at the restaurant. Parking for a minimum of 30 cars was provided around a sheltered walk connecting a sheltered entrance.

The court and the various units were laid out for future expansion to the rear, with space set aside for swimming pool and games.

The exterior walls are concrete block with combination wood stud and concrete block interior partitions. All block is painted and stud walls finished with paneling.

Rental Units







STATE OFFICE BUILDING

RALEIGH, N. C.

Holloway-Reeves, AIA

RALEIGH, N. C.

A new state office building for North Carolina has been designed by Holloway-Reeves, AIA, Raleigh architects. The new structure will house the State Department of Motor Vehicles.

The building will occupy four stories in addition to the basement and will contain 130,000 square feet of floor area. The principal problem faced by the architects was the low ratio of the amount of the appropriation to the floor space required for satisfactory operation of the agencies of the state government which will be housed in the building. The space needs and budget limitations required a fully-air conditioned, fireproof office building built in compliance with the state's high standards for permanent improvements within a construction cost of less than \$10.00 per square foot of floor space.

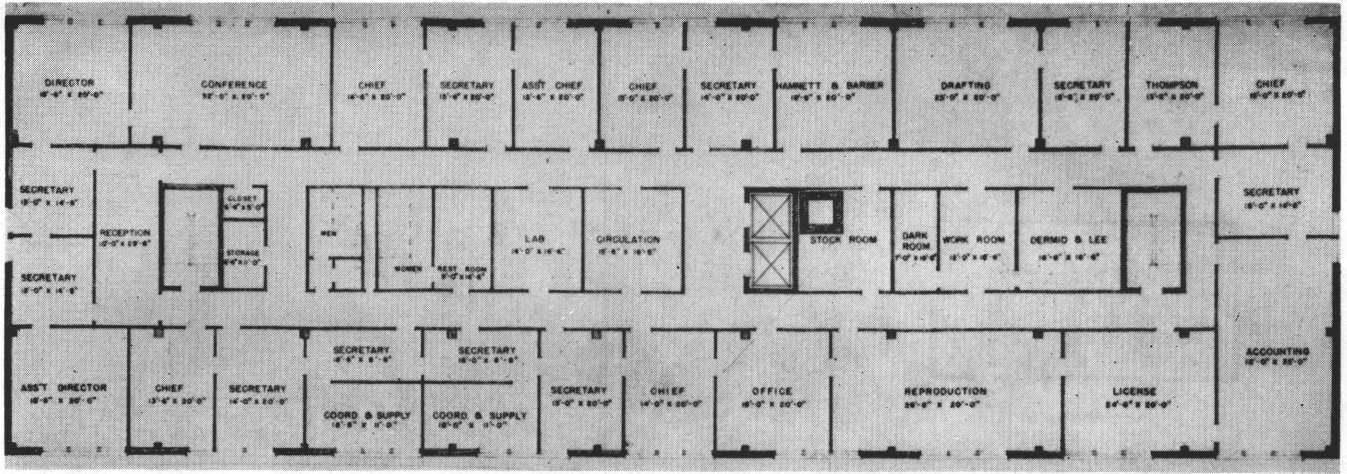
The site design provides for staff parking in a large parking lot between the building and the street, which is a main traffic artery connecting eastern and western areas of the state. The parking lot forms a buffer between the offices and traffic noises. A smaller parking area south of the building is located adjacent to the public entrances for the driver's license examiners and automobile registration lobby. Persons visiting the building for driver's license examination, vehicle registration or license plate purchase have easy access to these areas.

In order to reduce elevator requirements, areas having the most contact with the general public are placed on the first floor with general offices on the second, third and fourth floors.

Areas requiring excessive floor supports are placed in such manner that these floors bear directly on earth. The basement contains space for bulk storage of heavy paper rolls and license plates. Bulk file rooms which have direct contact with the public areas are located on the first floor, but are placed in one-story wings extending beyond the basement area in order that these floors may also bear on earth.

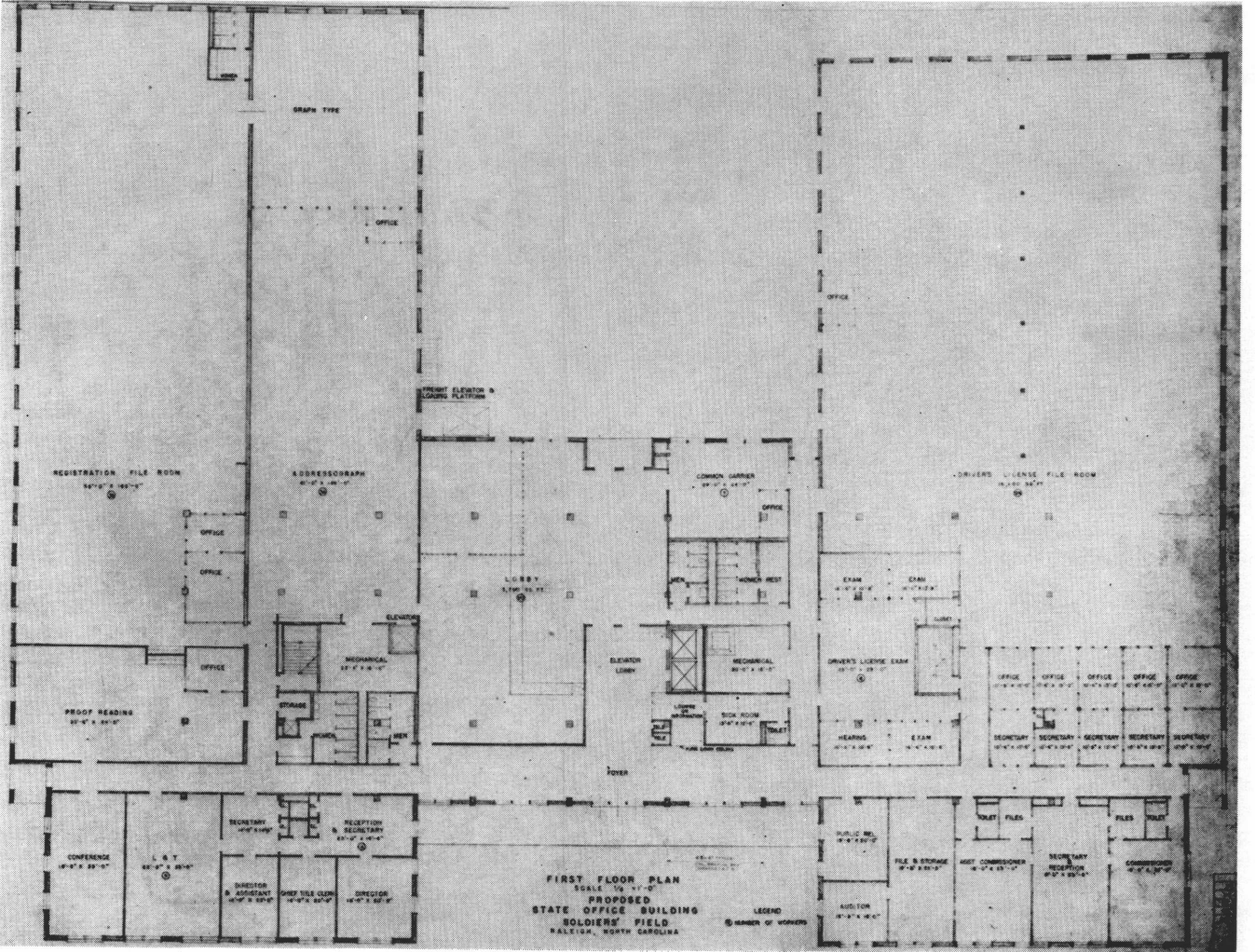
The extension of the file wings beyond the multi-story portion requires roof load supports only, making a wide column spacing in these areas more economical than had floor loading been situated over these spaces.

The building will have brick-faced cavity exterior walls, with limestone and granite trim. The frame will be reinforced concrete multi-floor structural frame. A wall-bearing steel joist one-story roof system is used. Aluminum sash are used and the year-round air conditioning includes duct arrangement for 100% outside air. A central hermetic centrifugal chiller will be used. The oil-fired boilers include capacity for future construction sufficient for double the size of the building.



Typical Floor Plan

First Floor Plan





Exterior From Terrace

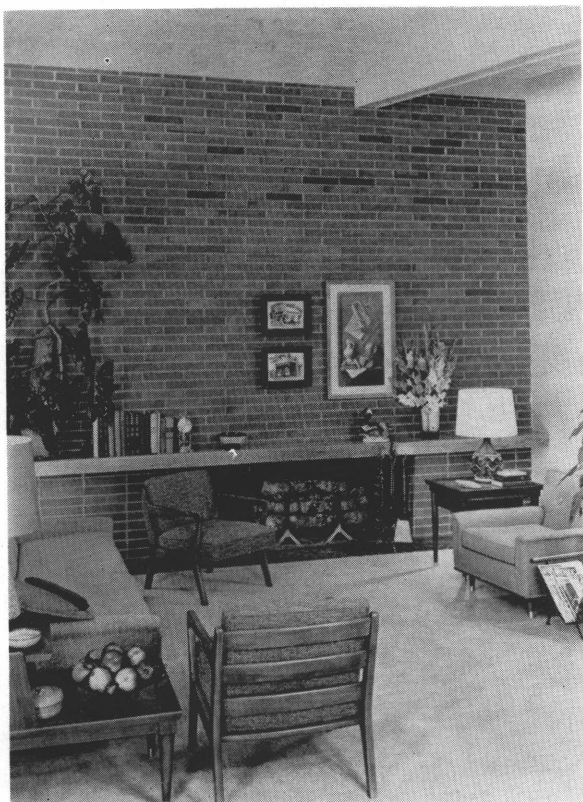
RESIDENCE

ALBEMARLE, N. C.

John Erwin Ramsay, AIA

SALISBURY, N. C.

Living Room



The owners started with a plan book approach to a home, but abandoned the original plan and employed an architect when they became aware of the difficult drainage and contour problems of a sloping lot below street level.

Designed by John Erwin Ramsay, AIA, of Salisbury for Mr. and Mrs. Clyde E. Smith of Albemarle, it fully meets the owner's requirements for space for outdoor dining, relaxation and entertaining; space for an easy manageable garden for flowers and shrubs; easy access from the master bedroom to the private den-library; and simplicity in interiors without sacrificing warmth or coziness.

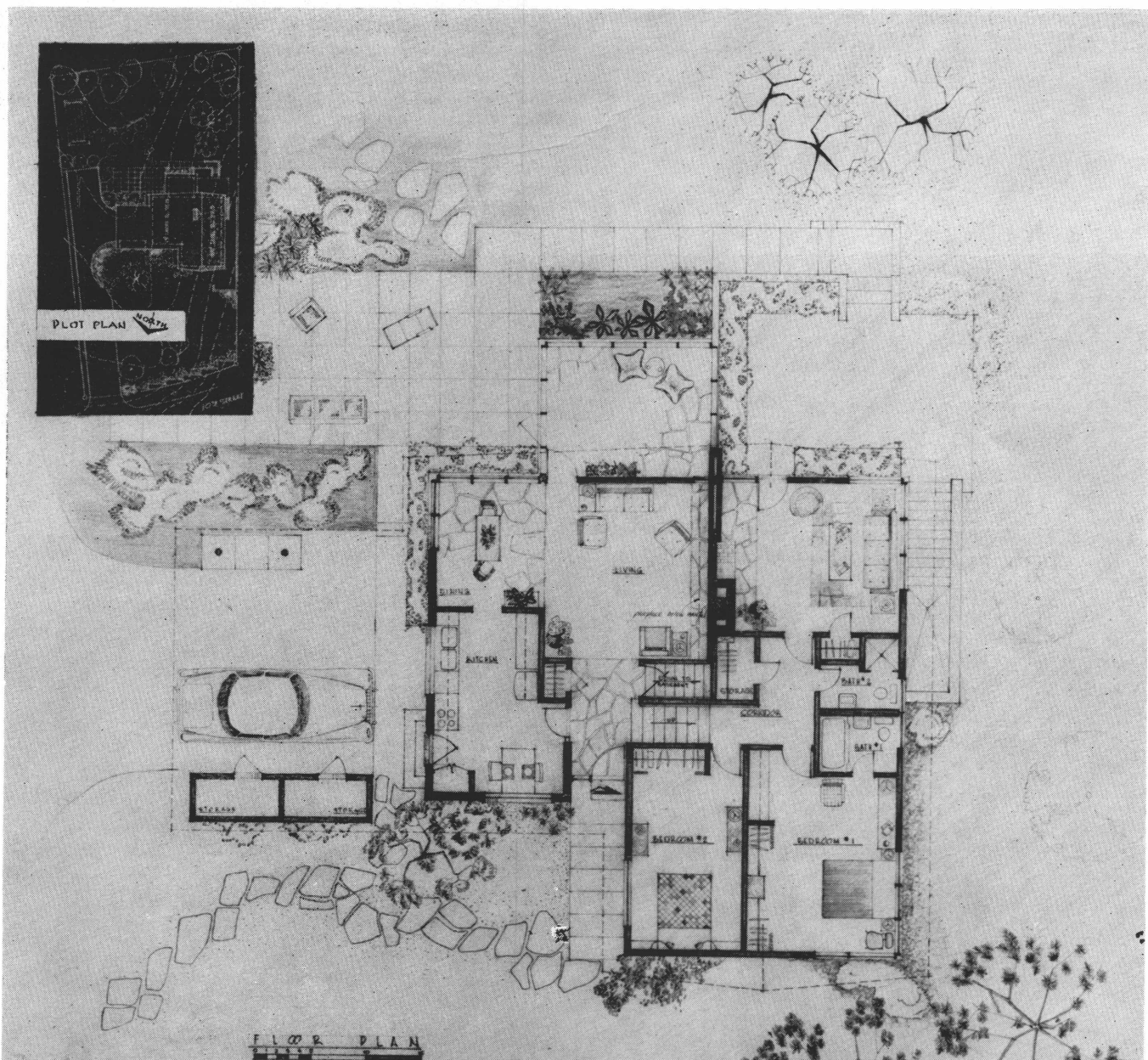
Terraces are provided at two levels adjacent to living areas, plus a screened porch, for pleasant outdoor living approximately six months of the year. No large areas of glass face the street and the sloping roof seems to naturally follow the contours of the lot.

This particular design and its solution to the contour problems while maintaining a close adherence to the owner's requirements has attracted wide interest and has been published nationally.



Dining

Plot Plan And Floor Plan





Aerial View

LINCOLN HIGH SCHOOL

BESSEMER CITY, N. C.

Clemmer & Horton, AIA

HICKORY, N. C.

In developing the design for the Lincoln High School at Bessemer City of the Gaston County school system, the architects faced several serious problems, including difficult site contours, articulation between building units in relation to grades, the necessity for only shallow excavation due to rock conditions, and a need to allow for future expansion as school population increases.

Clemmer & Horton, AIA, of Hickory, the architects, located the gymnasium and auditorium near the entrance to serve the public, which will make use of these facilities for community events. Grades at this point were cut flat enough to satisfy building and circulation problems.

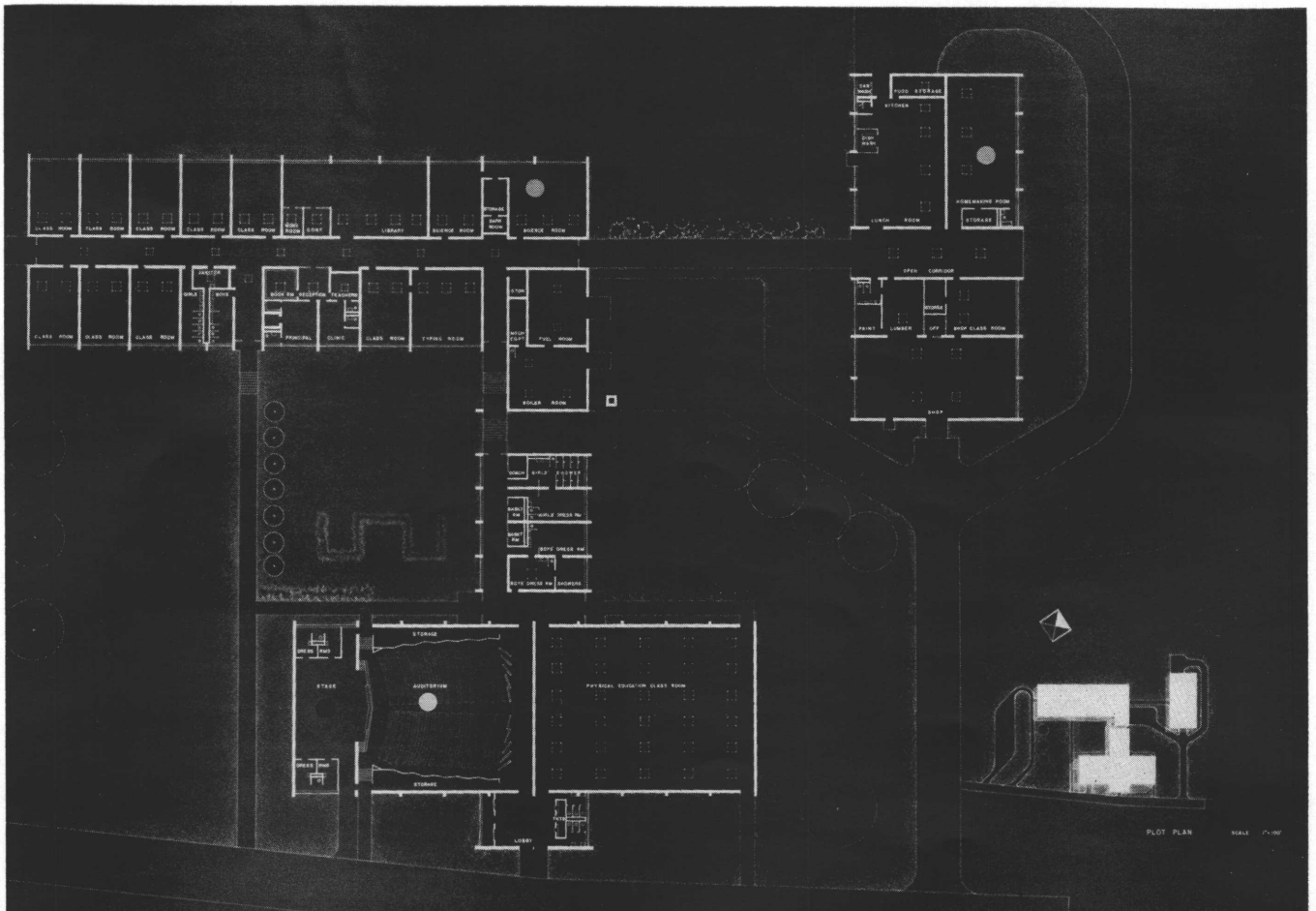
The architects used the dressing rooms unit as a divider, with the corridor on the side connecting the gymnasium and auditorium unit with the classroom unit. The boiler and fuel rooms were located close to the center of the units for minimum sizes of pipe and less heat loss.

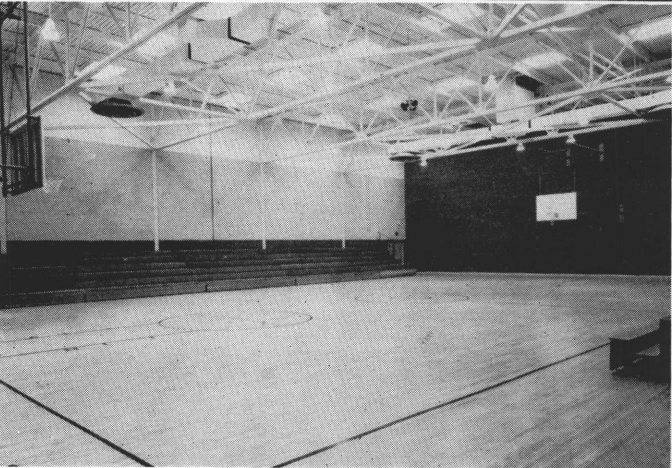
The noisy shop and odorous kitchen were separated to themselves for these reasons. The shop and lunchroom adjoin an open porch for bad weather play, as well as providing a covered entrance for the shop, lunchroom and homemaking department. Utilities are supplied through an underground tunnel to this unit.

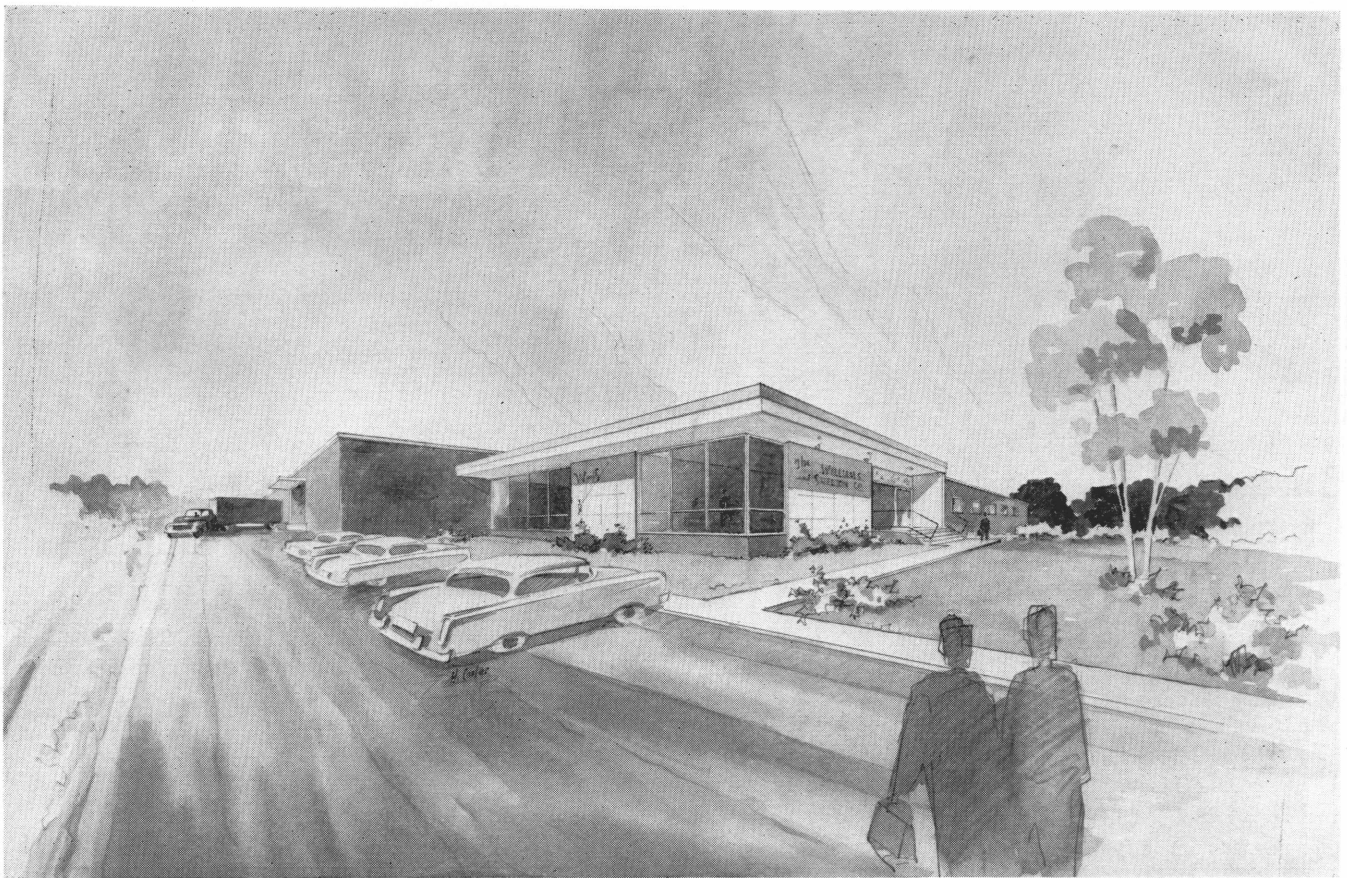
A common lobby serves the gymnasium as well as the auditorium. The gymnasium is lighted from the ceiling only by 30 four feet by four feet sky domes to eliminate glare and for economy.

The building has brick loadbearing walls, steel bar joists, acoustical plaster ceilings, and asphalt tile on concrete slab on grade. Steel columns and trusses are used in the gymnasium and auditorium unit. One and one-half metal deck steel sash, and hollow metal frames and door bucks were used. The wainscot is glazed structural facing tile.

Floor Plan And Plot Plan







OFFICE AND WAREHOUSE

CHARLOTTE, N. C.

McDowell & Cooler, AIA

CHARLOTTE, N. C.

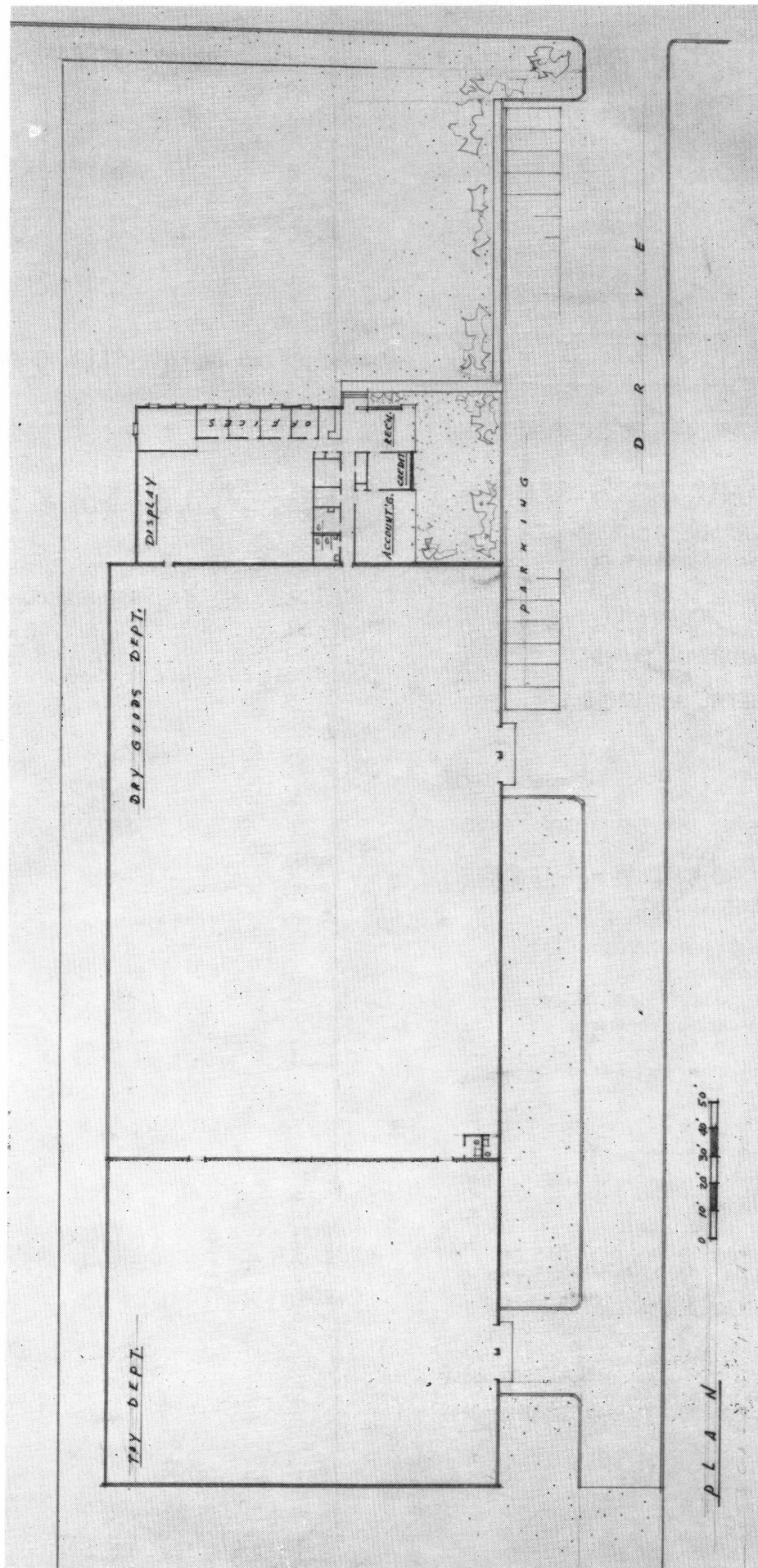
Efficient reception and service of customers was the primary problem faced by McDowell & Cooler, AIA, of Charlotte in developing the design for a new office and warehouse building for Williams & Shelton Company of Charlotte.

The building includes 6,000 square feet of office area and 56,000 square feet of warehouse space, including sample storage space for the dry goods and toy lines for which the firm is distributor.

In planning the building, the architects placed the office area adjacent to the dry goods area since the dry goods division is a year-round operation, while the toy department is seasonal in its activity.

Adjoining the business offices is a consolidated display area from which a customer may make his selections without visiting the warehouse. The office is also conveniently located with respect to entrance and parking areas.

The exterior of the building is jumbo brick. It has a poured in place gypsum deck on bar joists, while the structural frame is steel. Office floors are asphalt tile on concrete slab, while exposed concrete forms the warehouse floor. Plaster and panelled walls and acoustical plaster ceilings were used in the office areas, while the warehouse interior is exposed construction.





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FEES MUST BE ADEQUATE

Editorial From Engineering News—Record of May, 1956

The quality of school planning is at stake in the outcome of a deadlock between Delaware officials and that state's chapter of the American Institute of Architects over fees. The state, like any other client, is perfectly within its rights in refusing to pay more than 5% of construction costs for the services of architects and engineers. Similarly, the architects are exercising their legitimate freedom of choice in refusing to sign contracts containing the 5% limit. Meanwhile, though, most of the state's planning is at a standstill.

The state's goal of reducing school costs is laudable. But to set a 5% fee ceiling in the face of evidence that shows the actual cost of planning to be higher in some cases seems naive. If costs could be erased by the simple expedient of putting a statute in the books, we would not be troubled with a school room shortage.

Any solution of the school problem requires skilled planning. And skilled planning involves

much more than just the individual services of the professional man. The architect must consult engineers and other professionals, conduct research, meet drafting payrolls, buy office and drafting room equipment and supplies, and pay the hundred and one other expenses incidental to running a design office.

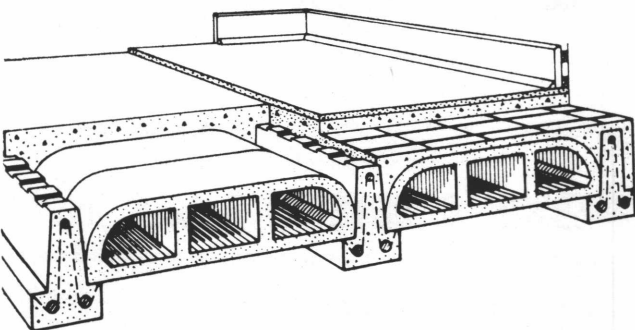
He can cut these expenses if he is willing to lower the quality of the job he turns out. He can seek out engineers who will work for less. He can engage less-skilled designers and draftsmen. He can spend less time searching for ways to save money and improve quality.

But if he makes these economies—and what alternative has he under a 5% ceiling, short of refusing jobs altogether?—the school building commissioners may find themselves paying construction dollars to save planning pennies. More important yet, the community may be left holding the bag with ineptly planned schools.

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GRIFFITH IS NAMED TO REGISTRATION BOARD

J. W. Griffith, Jr., AIA, of Greenville, was recently appointed to serve a five-year term on the North Carolina State Board of Architectural Examination and Registration by Governor Luther Hodges.

Mr. Griffith succeeds Eric G. Flannagan, Sr., AIA, of Henderson, former Vice-Chairman of the state board.

A former Treasurer of the North Carolina Chapter of the American Institute of Architects, Mr. Griffith has been active in AIA and the architectural profession for many years.

At an organizational meeting of the board following Mr. Griffith's appointment, Henry Irven Gaines, AIA, of Asheville was re-elected President of the board, while Leon McMinn, AIA, of Greensboro was elevated to the Vice-Presidency after serving as Secretary-Treasurer. John Erwin Ramsay, AIA, of Salisbury is the new Secretary-Treasurer.

Ross Shumaker, AIA, of Raleigh was re-elected Executive Secretary-Treasurer.

BURETT STEPHENS TAKEN BY DEATH

Burett Henry Stephens, AIA, 83, prominent New Bern architect, died at his home at the Inlet Inn in Beaufort on July 24. A native of Ottawa, Canada, Mr. Stephens was the third oldest practicing architect in the United States.

Mr. Stephens originally practiced in Chicago, but moved to Wilmington in 1930. In 1932, he purchased the Inlet Inn in Beaufort and had made his home there since that time.

With his son, Robert H. Stephens, AIA, he maintained offices in New Bern.

During World War I, he served as a Captain with the United States Army Engineers. Among the many buildings he had designed were the St. Luke's Hospital in New Bern, Swift & Company office building in Chicago, Sudan Temple in New Bern, and Tarawa Terrace School at Jacksonville.

In addition to his son, survivors include a daughter, Mrs. Anna V. Pierson of Beaufort and a sister, Miss Laura Stephens of Beaufort.

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New officers of the Charlotte Producers' Council for 1956-57 from left to right are Secretary-Treasurer Jerry Blucher, President J. Harold Heston, and Vice-President R. D. S. Cowles.

HESTON HEADS PRODUCERS COUNCIL

J. Harold Heston of Delph Hardware & Specialty Company has been elected President of the Charlotte Producers' Council for the coming year. Serving with the new President will be R. D. S. Cowles of the Armstrong Cork Company as Vice-President and Jerry Blucher, Panel & Door Company as Secretary-Treasurer.

The Producers' Council is a national organization of building products manufacturers, including individual companies manufacturing building products and equipment and trade associations of the producers of building materials and equipment.

The Council is 34 years old and was established in coopera-

tion with the American Institute of Architects with these objectives:

To encourage greater use of quality building materials and equipment.

To broaden the market for building products by bringing about improvement in building methods.

To increase the effectiveness of manufacturers' products literature.

To establish local chapters which will act as centers for product information.

The Producers' Council operates promotional programs through chapters in 36 leading markets throughout the nation.

PRESIDENT'S MESSAGE

(Continued from page 9)

with an integrated design authority apparent. Homes are designed routinely with their surroundings and contemporary materials in mind. The problems of metropolitan architectural offices are somewhat different than in a small community and despite the competition the whole area is "booming" with ample work for all.

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ARCHITECTS AND BUILDERS IN THE NEWS

WINS SCHOLARSHIP

Asheley Gray Leggett of Washington, an engineering student at North Carolina State College, is the winner of the \$800 Radio Corporation of America scholarship for the next school year. A senior in electrical engineering, Leggett will be Chairman of the joint student branch of the American Institute of Electrical Engineers and the Institute of Radio Engineers during the coming year.

OFFICERS ELECTED

Fred Terry of Greenville, S. C., has been elected President of the South Carolina Association of Plumbing, Heating and Air Conditioning Contractors for the coming year. Mr. Terry succeeds George Holsburg of Charleston, who will serve as First Vice-President next year. Other officers are: K. D. Hill of Sumter, S. C., Second Vice-President; W. I. Chapman of Charleston, Secretary; and Claude Lyons of Columbia, S. C., Treasurer. New directors are Walter Bradley, Aiken, S. C.; E. J. Heins, Charleston; L. R. Timmons, Flor-

ence, S. C.; W. A. Grines, Columbia; and Ralph Sewell, Anderson, S. C. Frank Gardner of Columbia continues as Executive Secretary.

ELECTED DIRECTOR

John H. Isenhour, President of Isenhour Brick & Tile Company and former Mayor of Salisbury, has been elected a Director of Piedmont Natural Gas Company of Charlotte, according to an announcement by Buell G. Duncan, President.

IN NEW POST

George A. Walker of Charlotte recently joined the merchandising department of Suburban Rulane Gas Company. Mr. Walker was formerly associated with the A. O. Smith Corporation as District Supervisor of consumer products for North Carolina and South Carolina.

ACCEPTS POSITION

William R. Wyatt, Jr., of Rocky Mount, an architectural engineering graduate of V.P.I., has accepted a position with

Thomas, Harless, AIA, and Shields of Rocky Mount, N. C.

NAMED TO BOARD

Walter D. Toy, AIA, has been named a member of the Charlotte Planning Board. Mr. Toy is a member of the Charlotte architectural firm of Graves & Toy, AIA.

JOINS COLUMBIA FIRM

John Califf, Jr., has joined the staff of Lyles, Bissett, Carlisle & Wolff, AIA, of Columbia, S. C., as a writer and designer. Mr. Califf was formerly in charge of the Clemson College News Bureau and completed post graduate study in architecture at Clemson College in June.

JOINS WINSTON FIRM

Robert L. Myers has joined the firm of Lashmit & James, AIA, of Winston-Salem as a designer and architect. For the past two years, Mr. Myers has been a member of the faculty of the School of Architecture of Cornell University.

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SCHOLARSHIP WINNER

Kirk R. Craig, now associated with W. E. Freeman, Jr., AIA, of Greenville, S. C., has been selected as the first Clemson architectural alumnus to receive a new \$1,200 scholarship for graduate study. He will work toward a Master's Degree in architectural design at Harvard University.

FORM PARTNERSHIP

S. C. Wilber, Jr., AIA, and Roy F. Kendrick, AIA, have formed a partnership for the practice of architecture under the firm name of Wilber & Kendrick, AIA. Offices of the new firm are in the Johnston Building, Charlotte.

OPENS OFFICE

Claud Crosby, AIA, recently opened offices for the practice of architecture. Mr. Crosby will be located at 116½ East Fourth Street, Charlotte, N. C.

JOINS FIRM

Lewis Wayne Goodman of Knapolis, a recent graduate in building construction technology at the Southern Technology Institute of Georgia Institute of Technology, recently joined the firm of A. G. Odell, Jr., AIA, and Associates of Charlotte.

NAMED VICE-PRESIDENT

Dr. James H. Sams, Dean of Engineering at Clemson College, was recently named Vice-President of the American Society of Mechanical Engineers. Dean Sams has been a member of the ASME for 24 years and is a former President of the South Carolina Society of Engineers.

DISTRICT MANAGER

R. H. Barnard, Jr., has been named District Manager for L.O.F. Glass Fibers Company of Toledo, Ohio, for the Charlotte district. Mr. Barnard has been with L.O.F. as a sales representative.

TRANSFERRED

Robert E. Henning, Jr., of Winston-Salem has been transferred to the Richmond, Va., branch office of the Owens-Illinois Glass Company. Mr. Henning has been serving as a sales representative in the Carolinas district.

OPENS OWN OFFICE

Charles Morrison Grier has opened offices at 314 Wilder

Building in Charlotte for the practice of architecture. Mr. Grier was formerly with the Charlotte firm of Sloan & Wheatley, AIA. Mr. Grier is an Associate Member of AIA.

BRICKLAYING CONTEST

H. B. Foster of Greensboro, General Manager of Brick & Tile Service, Inc., has been named

Chairman of the Third Annual Apprentice Bricklaying Contest, which will be held at the North Carolina State Fair October 19. Harry Null of Goldsboro is Vice-Chairman and C. L. Beddingfield is Secretary. Other members of the committee are C. E. Reeves of Fayetteville, Robert Berry of Durham, and Murray D. Thornburg of Raleigh.

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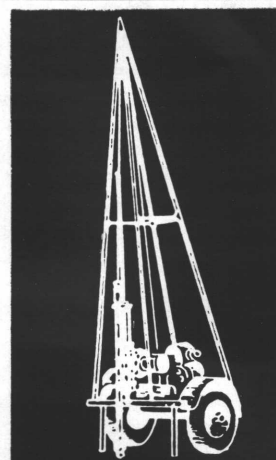
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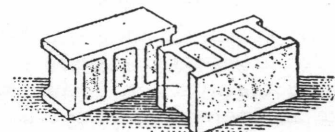
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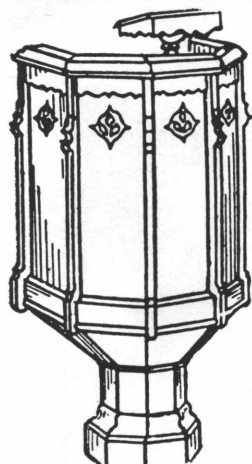
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The new product, called **ADJUSTA-DUCT**, is an adjustable sleeve-type fitting which eliminates all cutting, notching and joining of "fill-in" sections of stack duct. These problems have long been time-consuming nuisances to installers.

With **ADJUSTA-DUCT**, a fill-in section of stack duct can now be installed by merely telescoping the fitting to fill the opening. Internal and external "lip-seal" flanges provide "wiping" action which assures tighter connections than are possible with "cut-notch-join" methods of installing fill-in sections.

The new fittings, on which patents have been applied for, are available in several adjustable lengths. Duc-Pac, Inc., East Longmeadow, Mass.

A versatile new communication and sound reproducing equipment which combines music and program source and distribution, voice-paging, and two-way communication has just been developed.

This flexible system is available in a variety of models which embody different combinations of equipment for providing any or all of these various services to any desired number of locations.

Broadcast of AM and FM radio or record music for improving employee efficiency and relations in plants and institutions; program distribution of lectures and speeches for educational purposes in schools and colleges; private two-way communication between operator and any station even during program distribution to all other stations; the transmitting of instructions by voice-paging for prompt attention of personnel; and the broadcast of emergency announcements to all stations simultaneously; communication between floor nurses' desks and each bedside in hospitals; the ordering of food and drinks in drive-in and conventional restaurants, cocktail lounges and bowling alleys to speed service and reduce labor costs, are but a few of the functions of the equipment. Motiograph, Inc., 4375 W. Lake Street, Chicago 24, Ill.

Called **ELECTRIDUCT**, this new over-the-floor electrical extension duct for offices, homes and places where an electrical outlet is needed in the middle of the room is made of rubber. It's stumble-proof and unobstructive; office equipment on casters rolls over it easily. One end is plugged into a wall outlet and the other end has a two-way receptacle. The duct is 2 3/4 inches wide at the base, which rises from a feather edge to an apex of 7/16 inch. Ribs on the underneath side prevent slipping on the floor and the enclosed wiring is safe from moisture. The complete duct system ready to plug into a wall outlet is available in standard 4, 5, 6 and 10 foot

lengths. Special lengths are also available for custom installations. Ideas, Inc., 615 South 2nd, Laramie, Wyoming.

Self-energizing controls, providing uninterrupted service in cases of power failure are now available. In suburban and rural areas where electrical power is frequently interrupted, the new control insures 100 percent automatic heating, regardless of storm or accident-caused power failures. The control minimizes installation costs by eliminating external electric wiring.

On gravity system conversions where no circulator is necessary, the control requires no wiring other than the therm-

ostat connection. With the high millivoltage (750 millivolts) generated by the control, the thermostat may be as much as 30 feet from the unit with No. 18 gauge wire. Even greater distances may be achieved with heavier gauges of wire. Hydrotherm, Inc., Northvale, N. J.

The introduction of the world's first door chimes with rich, vibrant **chord** tones has been announced. Now, a visitor to the home can touch off a harmonious blend of tones that are said to capture the magnificence of the opening notes of a great symphony! The **CHORD-TONE** an entirely new dimension in door chime sound. Chord Chime

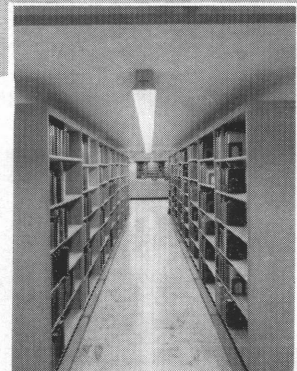


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Western Carolina College, Cullowhee, N. C.
Architects, Six Associates, Asheville, N. C.

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The new chord-tone is obtainable in two models: the L-30, which is completely new both in appearance and sound, (pictured above), and the K-41 C "Symphonic" which will retain its pleasing appearance, but which now can sound 8 rich symphonic chords.

Matching the impressive dignity of the **CHORD-TONE** Chimes is their equally smart styling designed to harmonize with all interiors. The new grill pattern and neutral desert-sand cover of the L-30 are highlighted by newest gold-flecked grill cloth. The K-41 C "Symphonic" is a design of regal dignity. Brass tubes outline the smart classic cover. Available in either lime oak or walnut finishes. Nutone, Inc., Cincinnati 27, Ohio.

New modern built-in models have recently been announced which include a new fully automatic, clock-controlled electric oven and a four unit cooking top — both completely interchangeable in the same cutout with gas cooking ensemble.

The interchangeable feature is especially noteworthy since it requires the same openings for either gas or electric units and, depending on the wishes of the housewife, the builder can furnish either unit without disturbing the openings already made when the house was purchased.

The automatic oven, model EO-6P, has a low broiler drawer which is controlled by a separate switch and can be used independently or in conjunction with the main oven. The oven itself is equipped with both a bake and broil unit. This means a housewife can bake and broil simultaneously or broil above and below if the occasion demands. The oven is equipped with a glass door and is available in either stainless steel or copper-tone porcelain.

The model ET-13, has one giant and three standard size units. It is designed for installation in a 21" cabinet. Tennessee Stove Works, Chattanooga, Tennessee.

A new four-page manual describing uses for "Scotch" brand pressure sensitive tapes in the construction industry is available. The manual traces for quick reading how tapes are applied in sealing operations, used as masking material to save cleanup time and provide answers to special construction problems.

Thirteen specific examples of tape uses, illustrated with on-the-scene photographs, show how tapes can be employed to seal joints in concrete forms and cartons used in void construction and also to splice concrete curing blanket sections.

Other uses shown include applying masking aprons and coverings with "Scotch" brand masking tape, protecting stainless steel in curtain wall construction with a tape mask and laying plastic tape on floors for marking traffic lanes

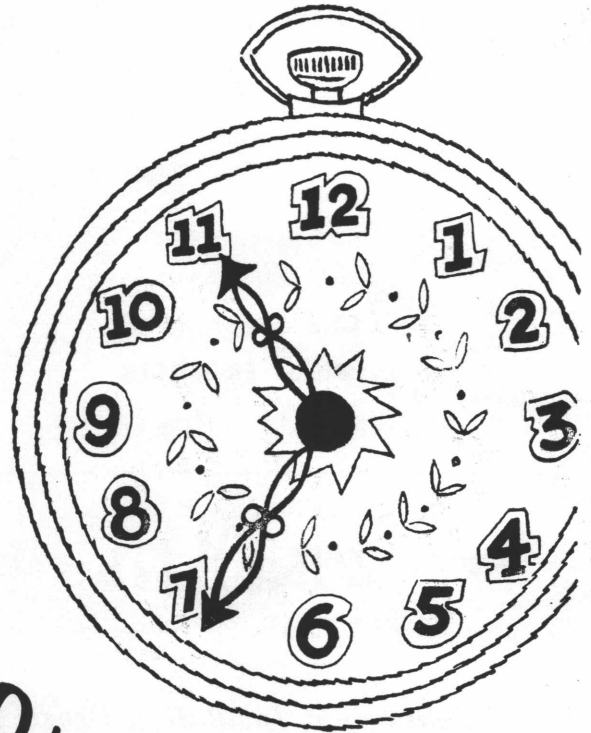
in final stages of warehouse and industrial construction. Minnesota Mining and Manufacturing Co., 900 Fauquier Street, St. Paul 6, Minn.

The **REDI-VIEW BANTAM PANTRY** is now introducing an all-new metal cabinet, color-matched to appliances.

The **BANTAM PANTRY** is the first canister-cabinet developed in America. This unique 4-in-one service-unit stores, pours, measures and saves valuable time and space in the kitchen. It installs easily in the kitchen, either under cabinets or on the wall. The plastic drawers in assorted sizes for coffee, sugar, flour,

tea, seasonings, etc., replace conventional canisters which clutter kitchen counters.

The unit has six styrene plastic canister-containers with fitted lids and pouring spouts. Large containers have graduated markings for cup and ounce measurement, eliminating the need for measuring cup. Container sizes range from 6½ cup-52 ounce, 3 cup-24 ounce and 1 cup-8 ounce sizes. The **BANTAM PANTRY** comes complete with hardware for speedy installation under either metal or wood kitchen cabinets. Continental Wood Products Corporation, Los Angeles, Cal.



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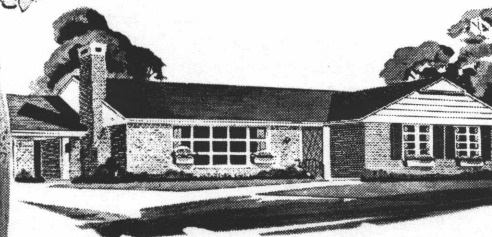
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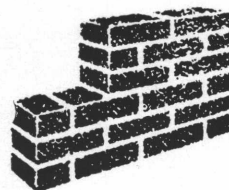
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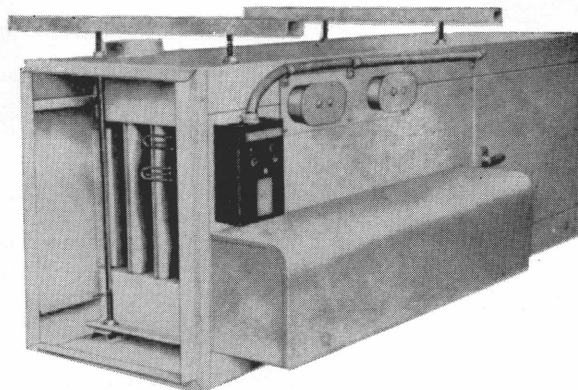
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