

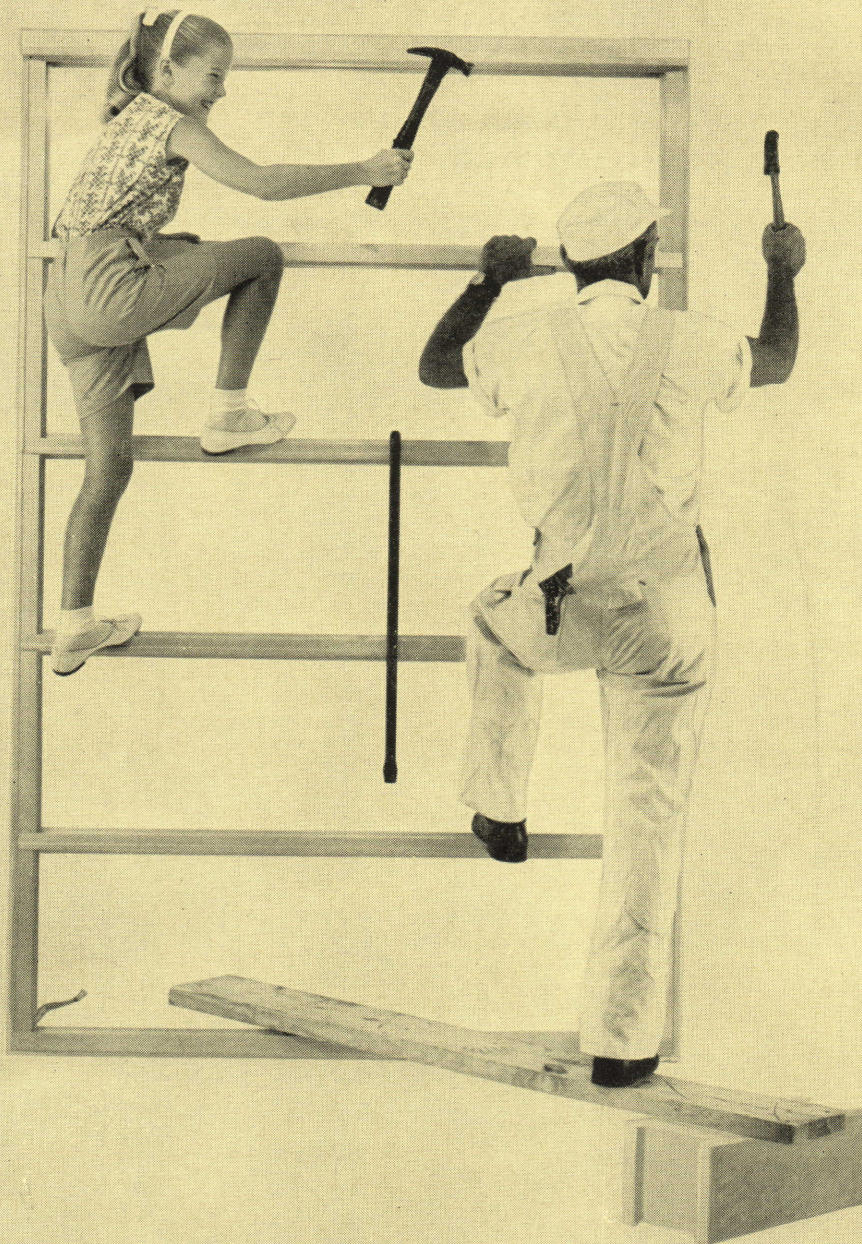
SOUTHERN ARCHITECT



PUBLISHED BY THE NORTH CAROLINA CHAPTER
AMERICAN INSTITUTE OF ARCHITECTS



SEPTEMBER 1962



a carpenter's helper?

FRANKLY, WE DON'T THINK EITHER A LITTLE GIRL OR A WINDOW FRAME SHOULD BE... EVEN ONE AS STRONG AS OUR TUBULAR VENTED AWNING WINDOW. BUT, SINCE WE REALLY DON'T KNOW WHAT KIND OF TREATMENT OUR SERIES 128/130 WILL RECEIVE IN THE FIELD DURING ACTUAL INSTALLATION, WE HAVE DESIGNED THEM FOR YEARS OF USE AND TO WITHSTAND ALMOST ANY ABUSE.

IT'S NOT A MIAMI WINDOW UNLESS IT'S MADE BY
MIAMI WINDOW CORPORATION

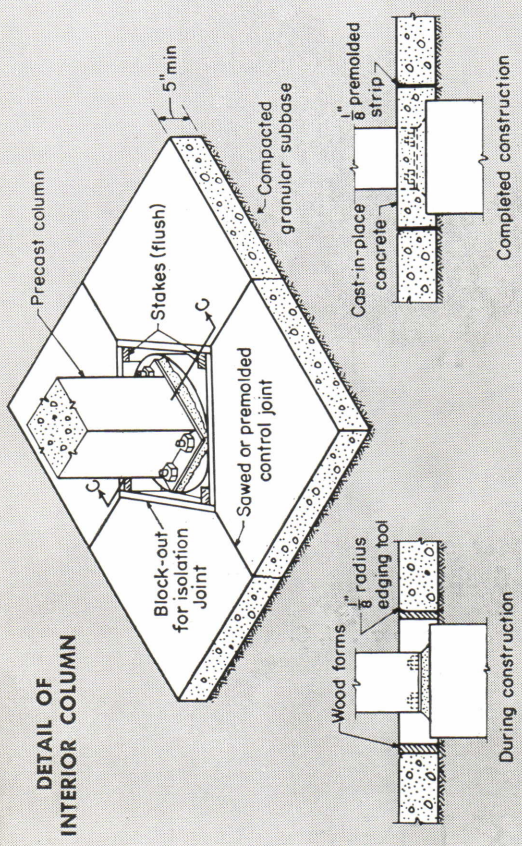
P. O. BOX 48-877, INTERNATIONAL AIRPORT BRANCH, MIAMI, FLORIDA



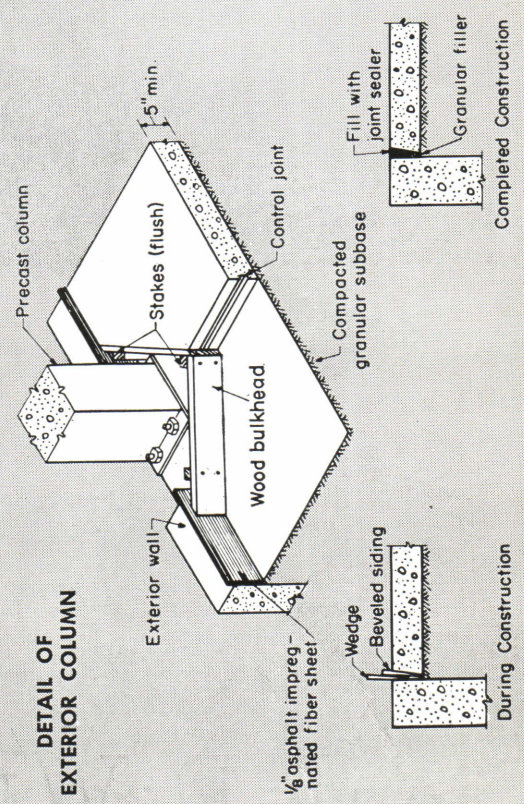
Clip along dotted line

No. 1 concrete floor joints

a.i.a. file: 4-a



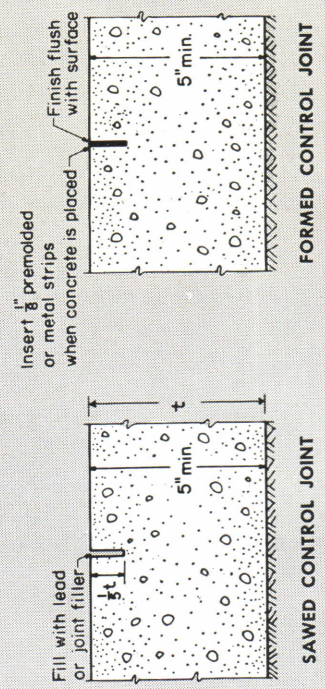
SECTION C-C SHOWING ISOLATION JOINTS



ALTERNATE WALL ISOLATION JOINT

Two types of joints recommended for slab-on-ground floors:

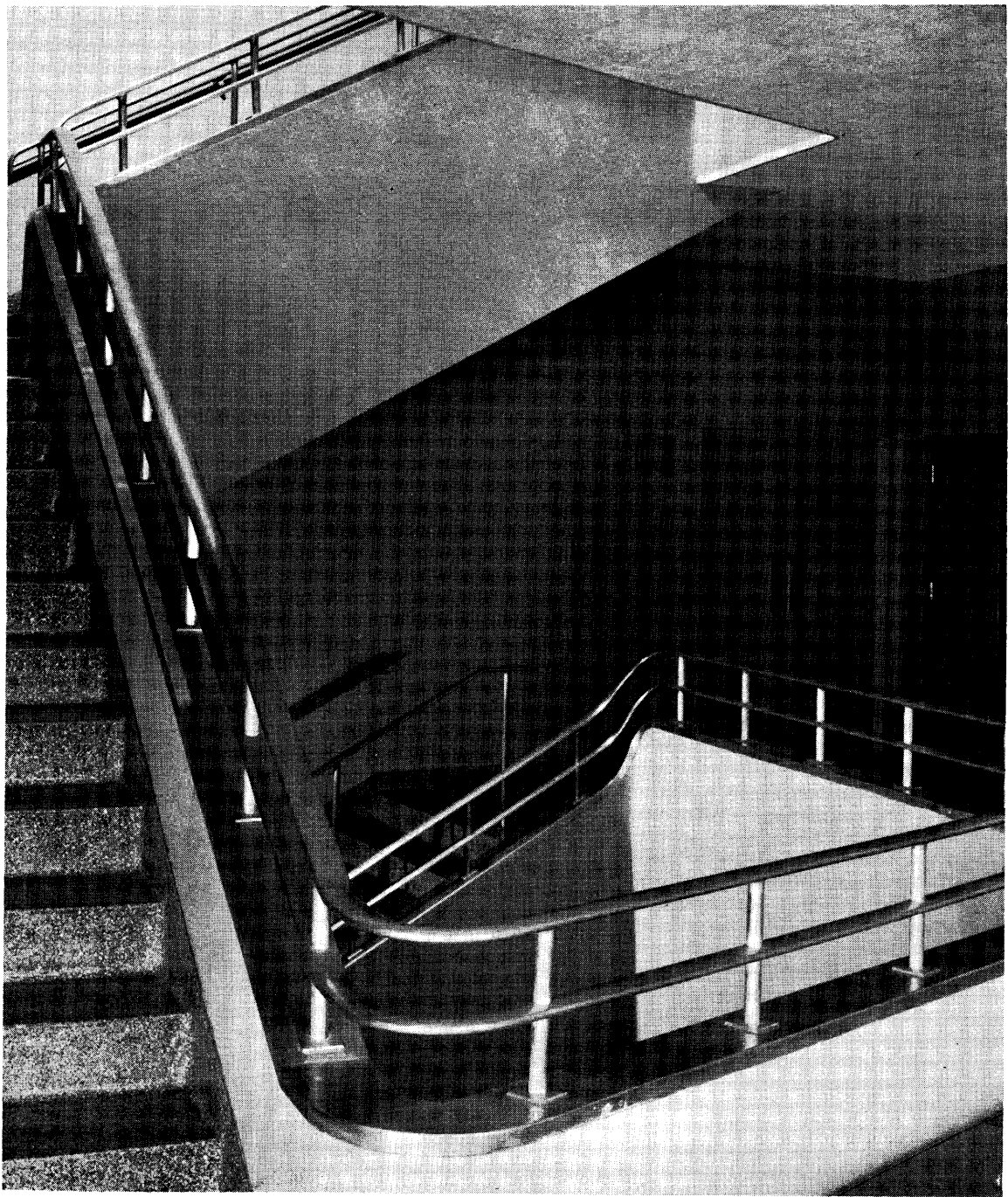
- 1. Control joint**—allows differential movement only in the plane of the floor. Recommended spacing approximately 20 ft.
 - 2. Isolation joint**—allows differential movement in all directions. Proper construction of control joints is important to satisfactory functioning of a floor on ground. In general, control joints are made by creating planes of weakness in the slab. Volume changes due to variation in temperature and moisture then occur without causing random cracking. Control joints may be made several ways. Sawing a slot in the top of the finished slab is often most economical.
- Isolation joints separate or isolate concrete slabs from columns, footings or walls to permit both horizontal movement due to volume changes and vertical movement due to differential settlements.
- Get complete technical literature** on additional aspects of design of concrete floors, as well as any other applications of concrete. (U.S. and Canada only.) Send a request on your letterhead.



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1401 State Planners Bldg., Richmond 19, Va.

A national organization to improve and extend the uses of concrete



QUALITY METALWORK

This satin finished aluminum railing is beautiful as well as practical. Most pleasing are the wide sweeping curves of the two parallel ovals, which continue unbroken over supporting verticals. The sill is a formed aluminum channel flush with the plaster.

War Memorial Auditorium, Greensboro, N. C.

Architects: McMinn, Norfleet & Wicker,
Greensboro, N. C.

J · D · WILKINS Co.

GREENSBORO, N. C.

SOUTHERN ARCHITECT



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*Cover - Site plan of Lincoln Heights Elementary School,
Charlotte*

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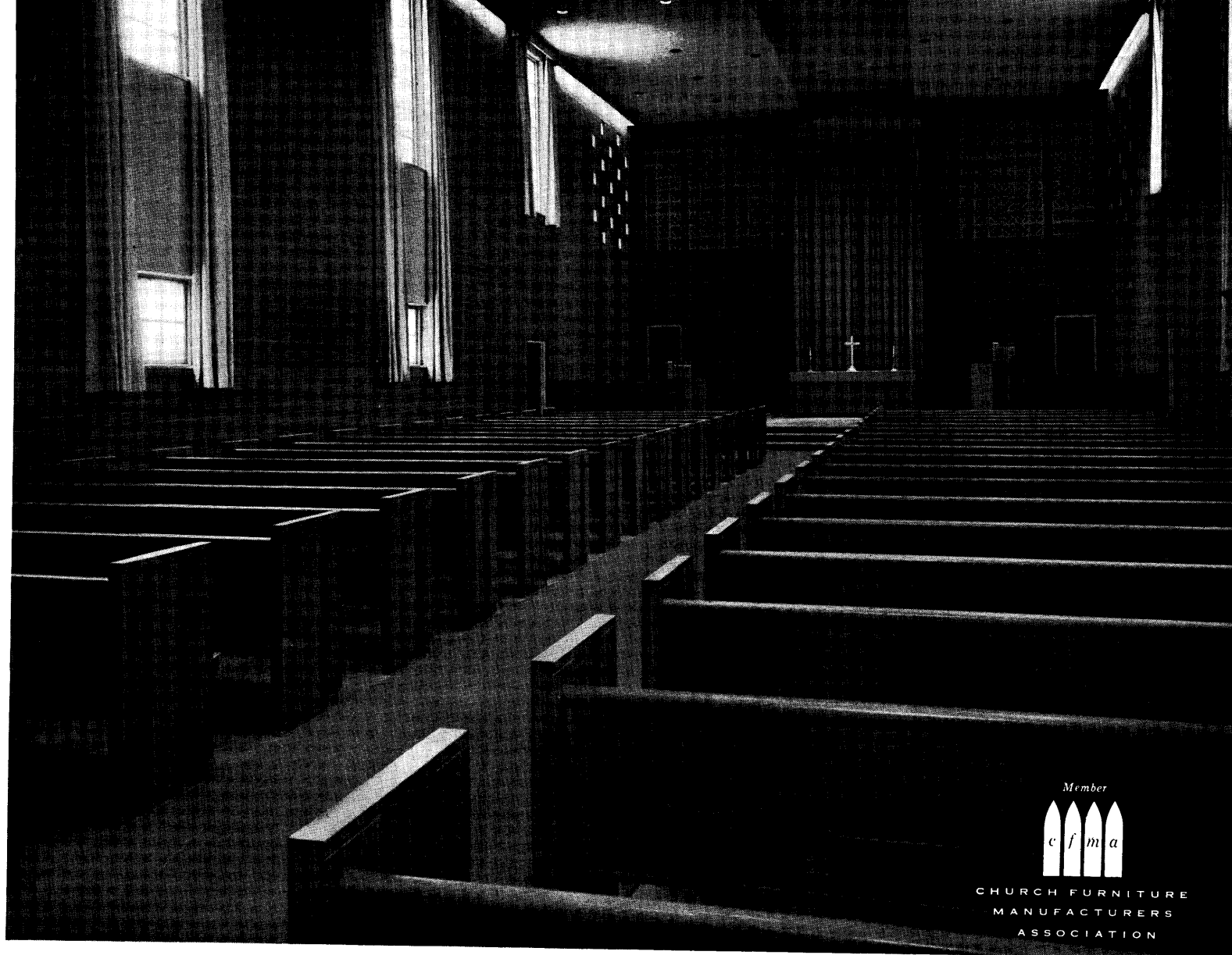
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SEPTEMBER 1962
VOLUME 9
NUMBER 9



Member



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MANUFACTURERS
ASSOCIATION

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Overall design continuity is a notable feature of this outstanding new church. The strongly rectilinear forms of the interior architecture are harmoniously echoed in the appointments by Southern Desk. The engineering skill, fine craftsmanship and resourcefulness that produced this SUPERIOR SEATING are yours at Southern Desk. Write today for brochure of installations and name of representative nearest you.

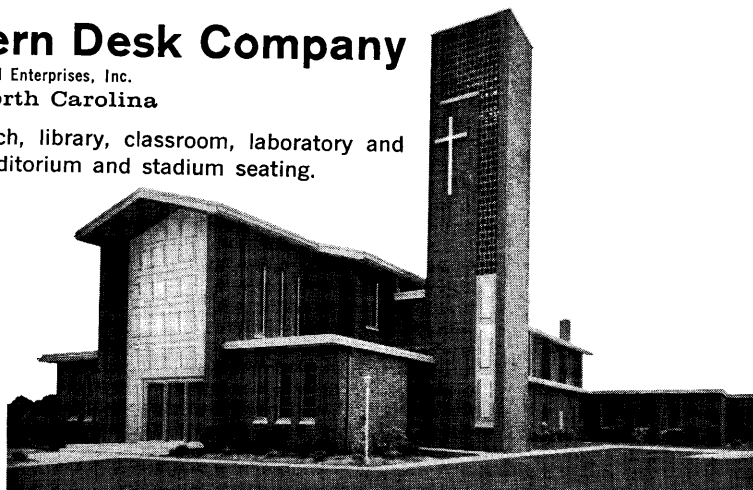


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First Christian Church of Leaksville,
North Carolina
I. A. Sigmon, Architect, and Associates, Inc.
Greensboro, North Carolina





It has been repeatedly said that, without resorting to shoddy, cheap construction, there is no single way to achieve real and effective economy in school construction; there are, though, endless combinations of many smaller ways that economies in construction can be obtained.

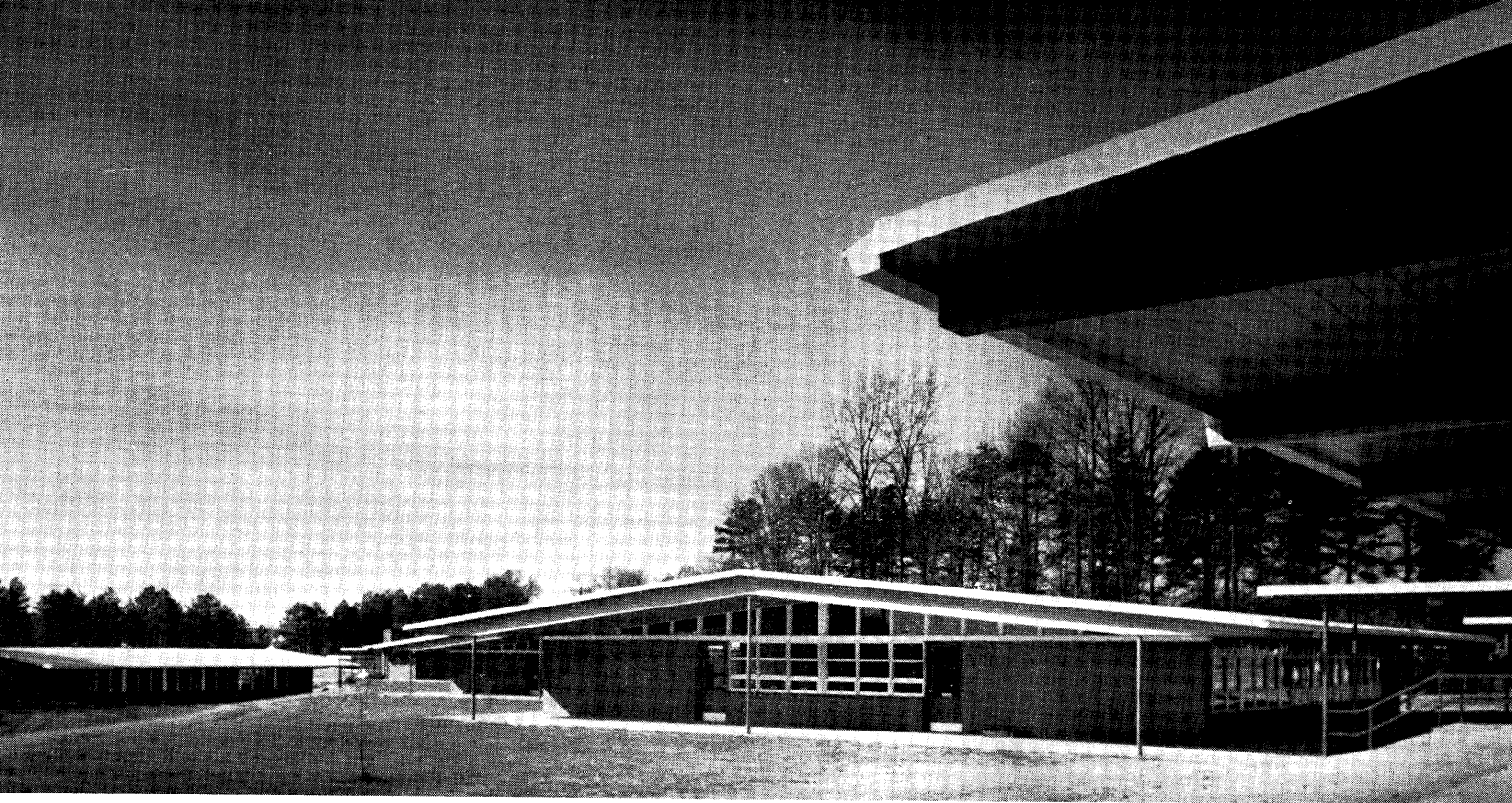
As for typical costs of schools the following figures might prove interesting. A recent government publication giving results of a cost survey of 128 schools across the nation gives the breakdowns on regional averages for material, labor, etc. According to this publication the U. S. cost per square foot average is \$14.16; for the Northeast, \$16.99; North Central, \$13.67; South, \$12.11; and West, \$14.25.

On paper these figures make the cost of the schools in our particular area look good, but in our own state for example, for every good school there are several bad ones. If you will look around you I am sure you will agree.

Initial costs in school construction are most important but not the only factor to be considered. It makes much more sense to build an economical school that has been studied, and works well and will have, over the expected life of the building, a reasonable maintenance upkeep cost, than to build a cheap school on which the maintenance costs will be prohibitive. I am sure all school people would prefer the first over the second.

As Architects, who design schools, we have an obligation to our clients to give them value received for the money they spend. New products and new materials are constantly coming on the market. I think it behooves us as Architects to do the best job possible on each new school project that comes our way. Most of us do and you can see the results of this type of approach all over our state.

North Carolina Public School Construction is on a par with most any state or area you can name, granted some of the more wealthy areas are still building "plush" schools, but for the most part schools are being designed to give a pleasant atmosphere and surroundings conducive to good study habits for our children, at a reasonable cost. Look around our state and you will see many fine examples of "Better Schools for Better Education".



LINCOLN HEIGHTS ELEMENTARY SCHOOL
charlotte

architect:

HIGGINS AND FEREBEE, AIA
charlotte

owner:

Charlotte Mecklenburg Board of Education

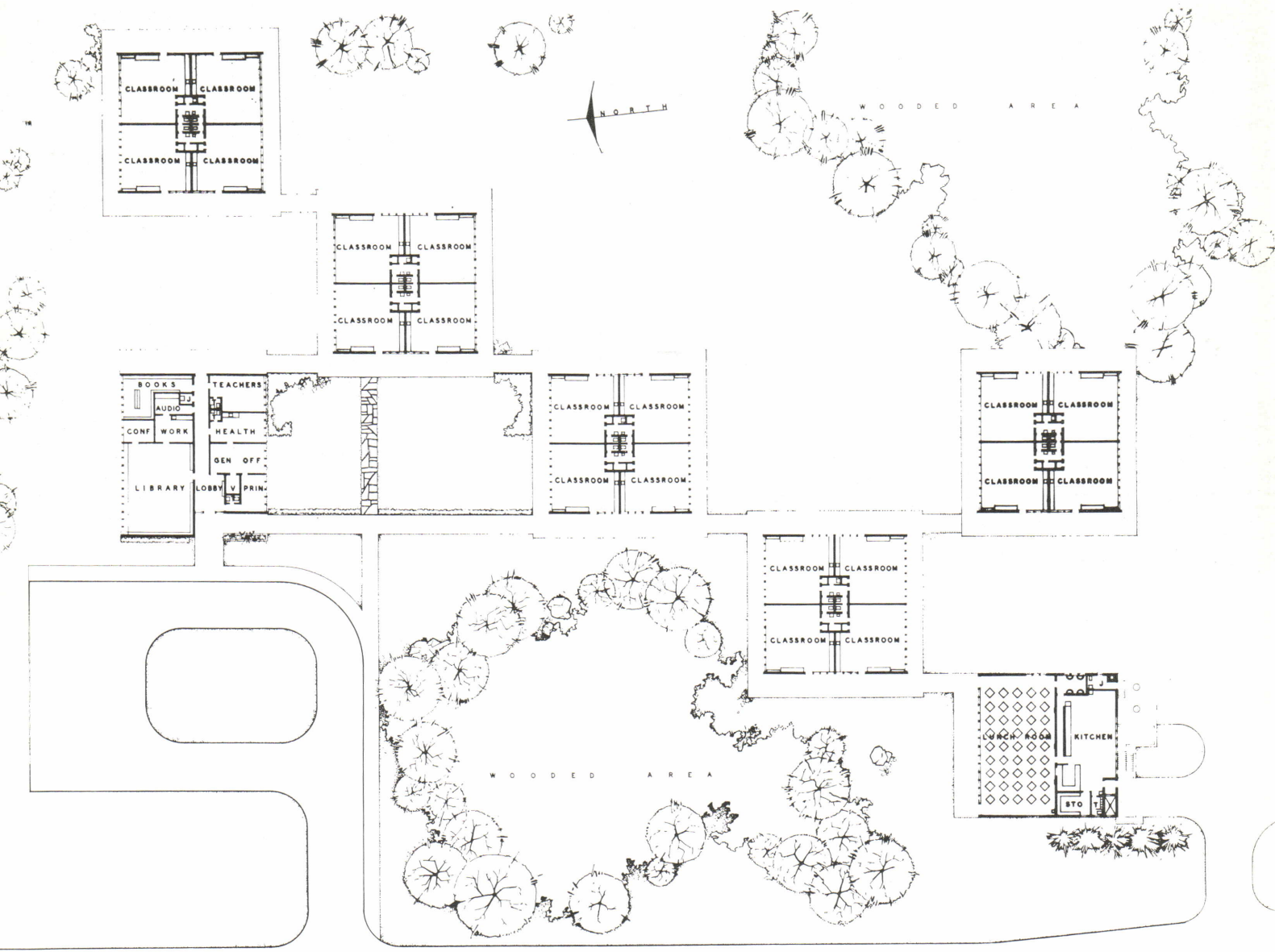
general contractor:

G. L. Wilson Building Company
statesville

AWARD OF MERIT
NCAIA 1962

Of the 20 Primary and Elementary Classrooms, Cafeteria with portable stage, Library, Administration and Teachers' Lounge, 12 Classrooms were built in the initial phase and 8 Classrooms about one year later. The Architects were requested, if possible, to save the attractive wooded area on the front of the property. Since these woods were on the best building site, this affected the design. The Superintendent of Schools expressed a desire for the children to be able to get both exercise and fresh air in going to and from the Library and Cafeteria. The site for the School presented few satisfactory building locations. The original topography fell sharply to the rear and sides. The Board of Education was particularly anxious to preserve the small wooded area on the level ground at the center of the property. In an effort to do this and to locate the buildings on reasonably level ground, without steps, the cluster plan shown was devised. The rear units at each end were added in a second phase of construction. Steps were used to the lower of these two units. The balance of the units are connected by gradual ramps between buildings. With the design as shown there was not more than 2' of fill required under buildings at any point on the project.

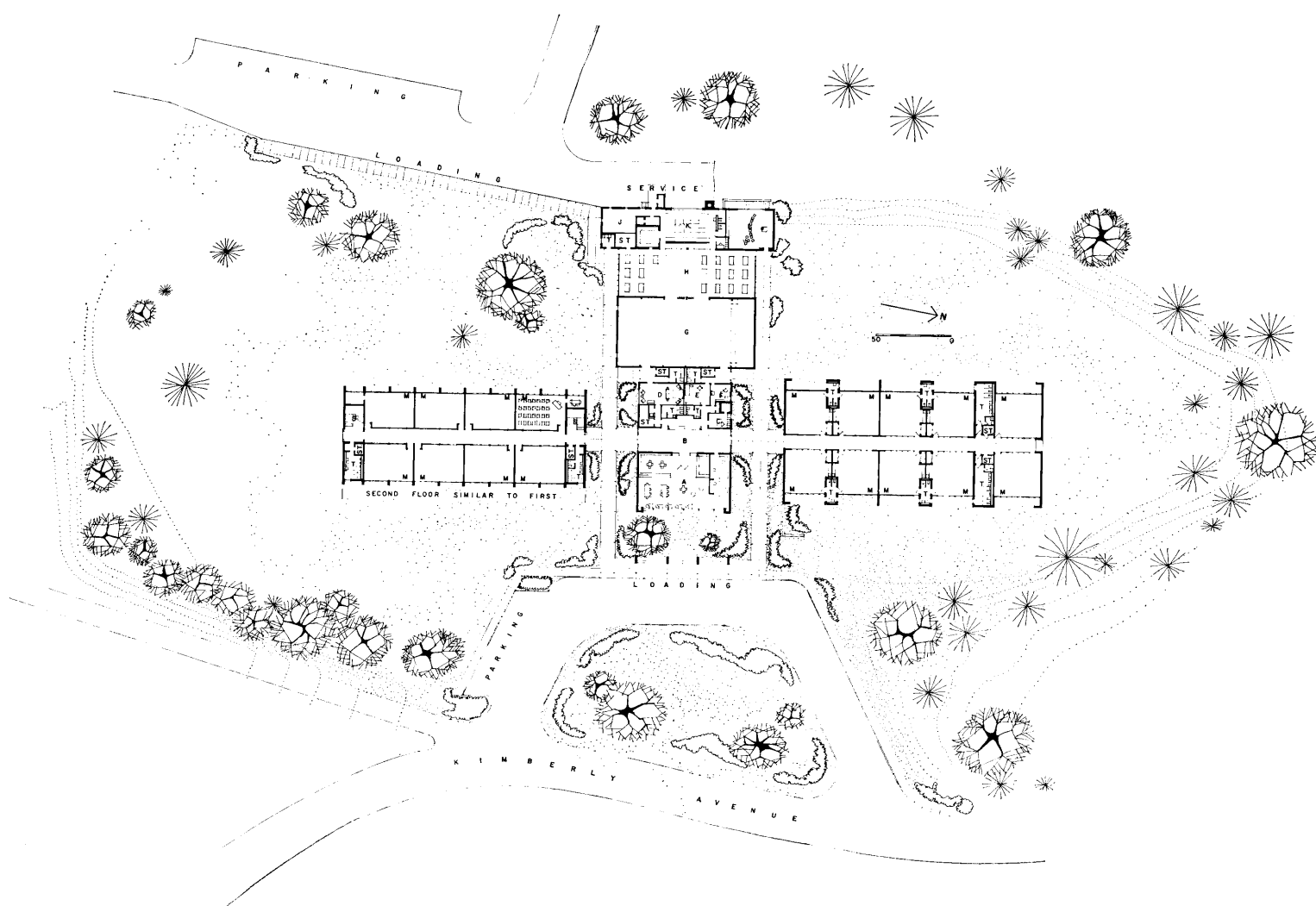
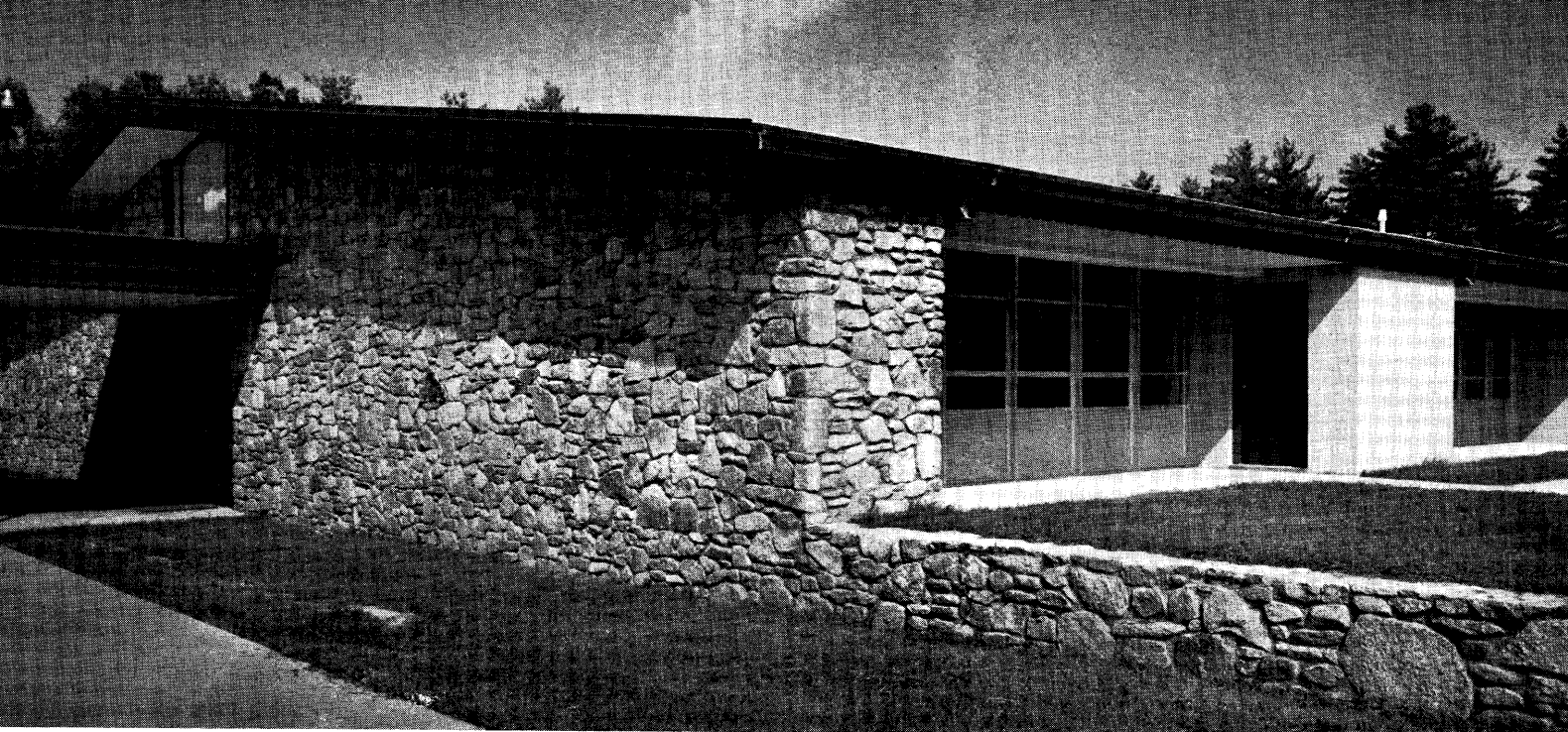
All exterior and interior walls and partitions are of native wire cut, red brick. The roof system consists of laminated wood beams with mill plank decking exposed on the interior of the school.

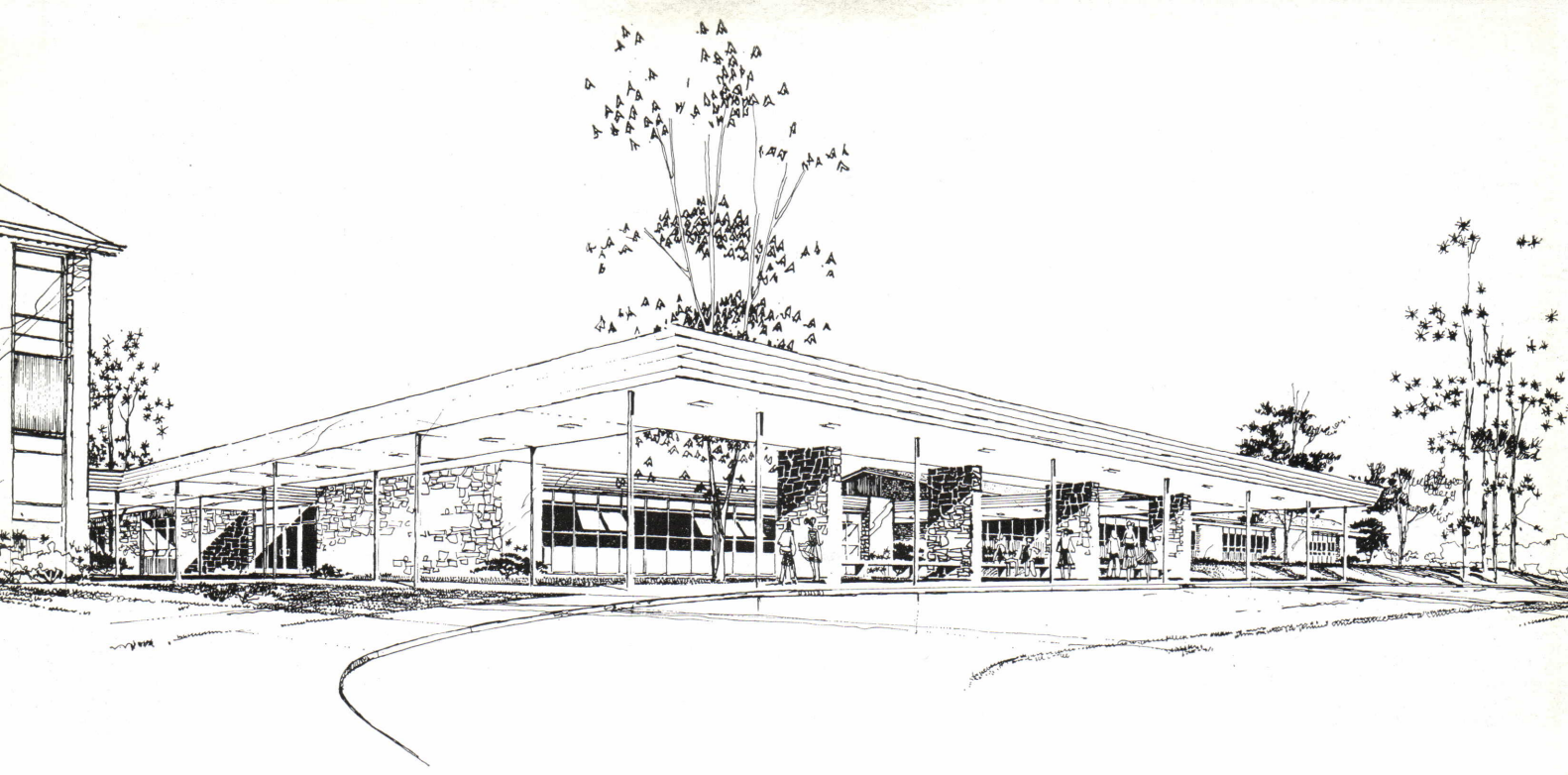


COLN HEIGHTS ELEMENTARY SCHOOL
CHARLOTTE, N C

SCALE 1" = 10'







IRA B. JONES ELEMENTARY SCHOOL
asheville

architect:

SIX ASSOCIATES, INC.
asheville

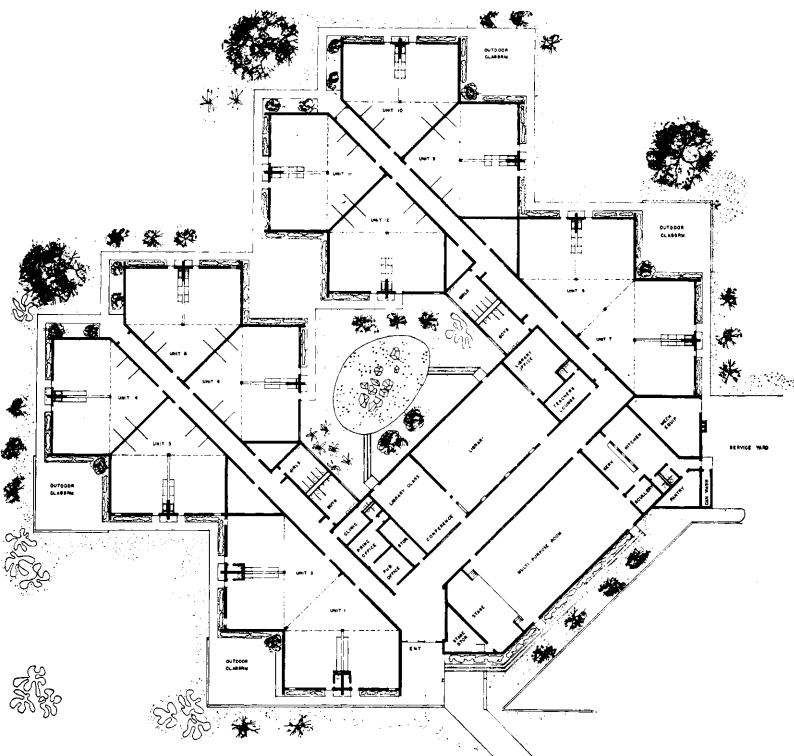
The site was fairly restricted and contained an elementary school which had to continue to function during construction of the new work. Initial plans called for single loaded exterior corridors with a landscaped academic court but this feature had to be eliminated to comply with budget restrictions. Primary class rooms are located in single story structure with direct access to outside class space from each room. The central or core unit contains library, administrative, service and assembly spaces. Elementary spaces are contained in the two-story (south wing).

Still to be completed facets of the project are covered auto and bus loading ramps and landscaping work.

This is one of three schools in the area which have departed from brick in favor of stone.



JOSEPH W. MOLITOR



Throughout the planning stages emphasis was placed upon flexibility and aesthetic quality. Attention was focused on the implication of research and experimentation in such areas as large group instruction, team teaching, closed circuit television, teaching machines and programmed instruction. It was also the intent that the building itself would be an instructional instrument. The building consists of thirteen present classrooms, twelve to be added later, library, auditorium, cafeteria, administrative offices and service areas.

**FREDERICK ARCHER
ELEMENTARY SCHOOL**
greensboro

architect:

**LOEWENSTEIN-
ATKINSON, AIA**
greensboro

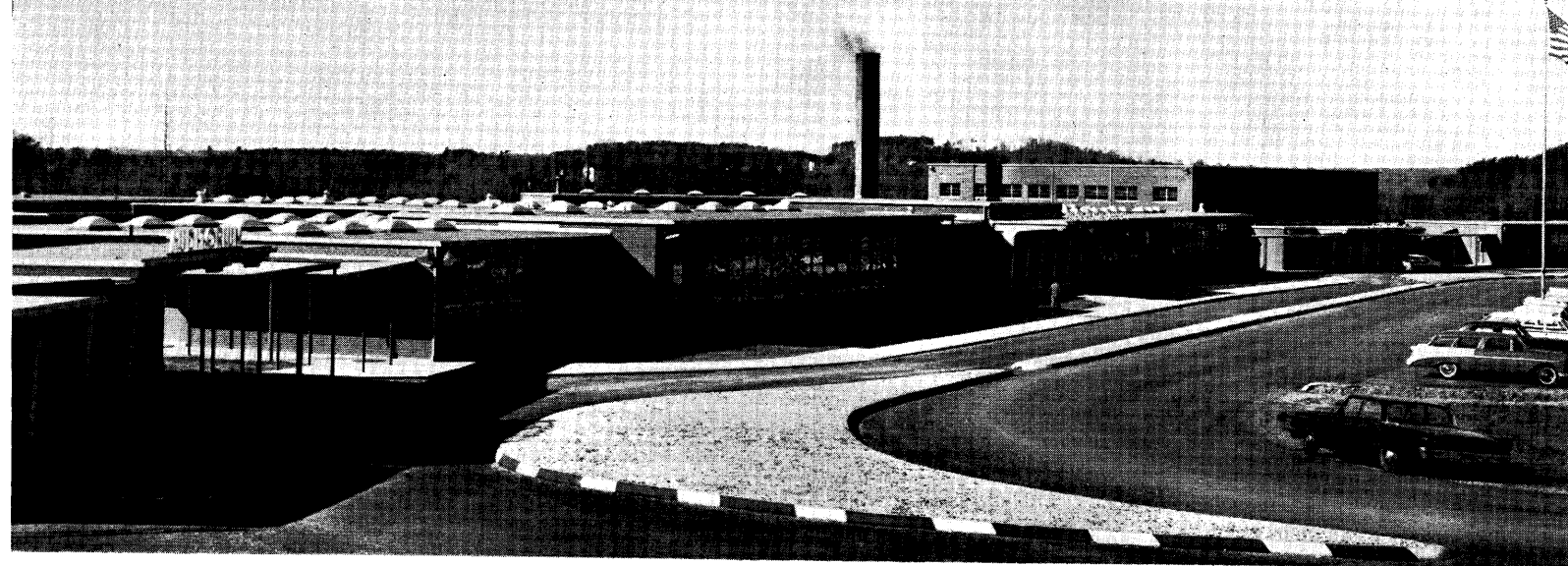
owner:

Greensboro City Board of Education

contractor:

H. A. Hodgin and Sons
greensboro





The Madison-Mayodan High School project resulted from the construction of a high school satisfying the requirements of the city of Madison and of Mayodan in Rockingham County, North Carolina, two cities located close together and each combining in order to provide more complete facilities to their respective student bodies.

The project contains fifteen classrooms, two Homemaking rooms, a Library, Workroom, six Science Laboratories, an Auditorium, Gymnasium, Cafeteria and Kitchen, and shop facilities as shown on the Plan.

The building is a semi-campus type with the various units closely spaced and connected, in general, with covered walkways. The central classroom project is an almost symmetrical arrangement, providing all facilities for normal classroom work, with the Auditorium, Shop building, Science building, Gymnasium, and Cafeteria in separate buildings.

Special attention was given to the Auditorium which provides an audience area flanked by a choral room and a band room, each adjacent to the stage and each in close connection with instrument storage and uniform storage rooms. It should be noted that the usual flare arrangement of the Auditorium, which, in the normal plan begins with a narrow area at the stage end of the room and becomes wider as it progresses away from the stage, has been revised in favor of a wide area close to the stage and to the choral and band areas. The Architects arrived at this solution for the purpose of providing a greater number of desirable seats, close to the stage area, than is normally provided in the usual plan. So far, this arrangement has proved highly satisfactory, and allows for partitioning, by means of folding partitions, of the audience area, so that it may be divided to contain more intimate groups than is normally possible in the Auditorium of the usual plan.

The Science Building is removed from the classroom area to provide more adequate lighting and also to provide a reasonable isolation of these facilities.

The above is also true of the shop building and the Cafeteria, in order to eliminate noise from the classroom building proper.

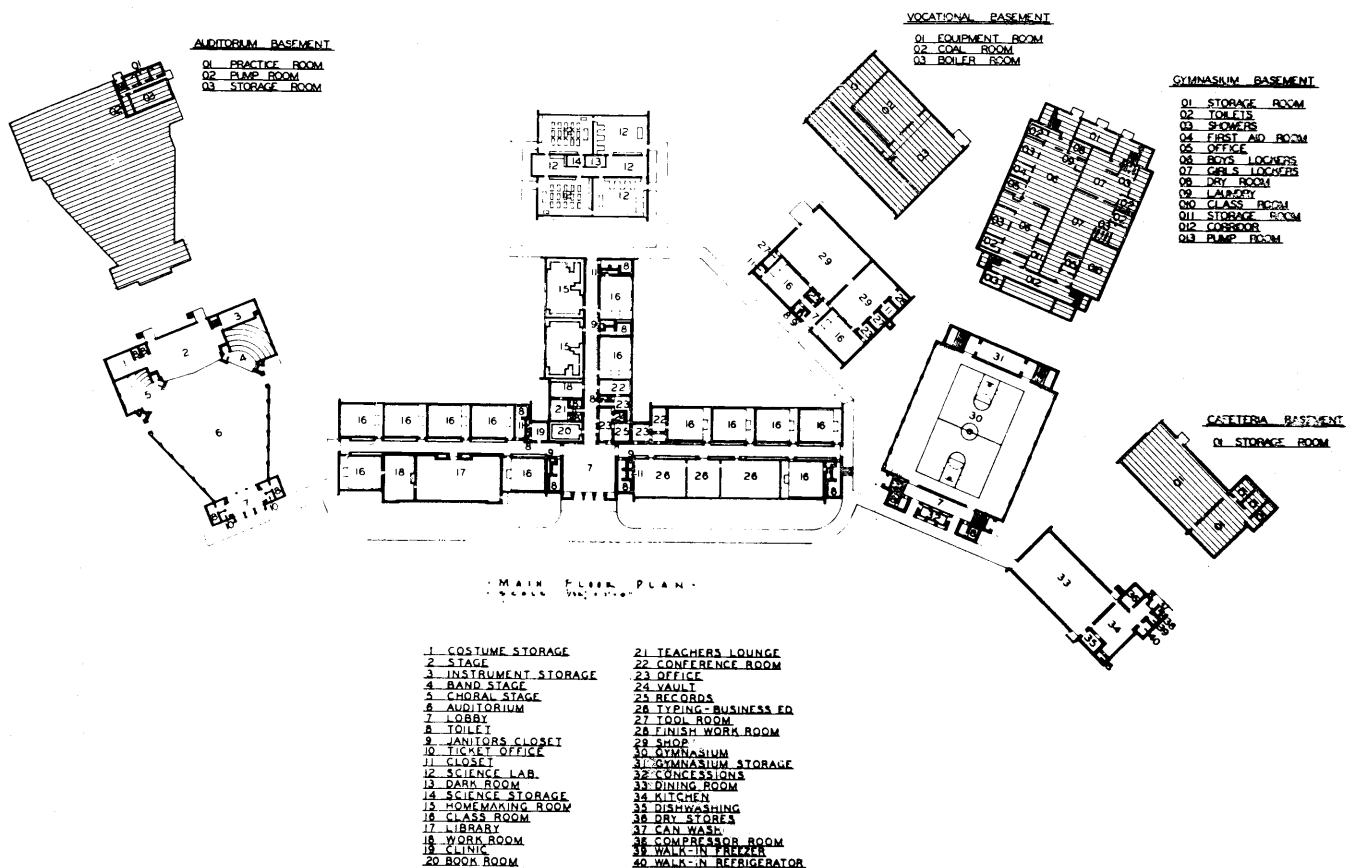
The Gymnasium, located between the classroom building and Cafeteria takes advantage of the natural contours of the site and allows for full development of the basement of this building so as to provide adequate locker and team rooms, which team rooms may be used as a field house, since the location of the Gymnasium is adjacent to the athletic field.

Approaches to the building were provided in the front only, with an adjacent side road leading to the kitchen area and to the shop building to furnish easy access for supplies to these units. Adequate parking area is provided in front of school.

The general construction is of an exterior brick wall faced on the inside with slag block, with all partitions of slag block also. The floors are vinyl-asbestos tile except in the lobby area which is terrazzo. Roof construction is of channels welded flange to flange to form a box beam, overlaid with bulb-tees and Insulrock roof decking. Supplementary lighting is provided by means of a generous use of sky domes.

The site itself lends itself admirably to the plan evolved. The basement areas of the Shop building, the Gymnasium, the Cafeteria, and a portion of the Auditorium are shown in close connection with each unit, on the accompanying plan.

The building was completed in 1961, and was dedicated shortly thereafter.

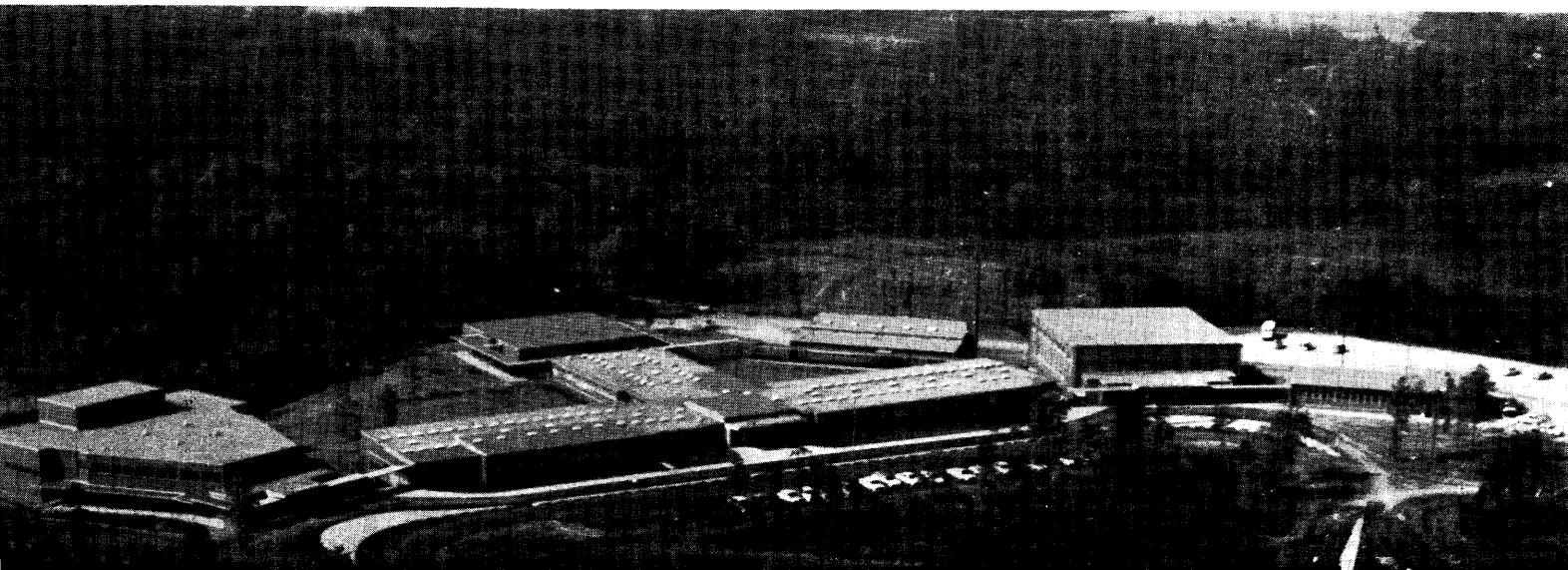


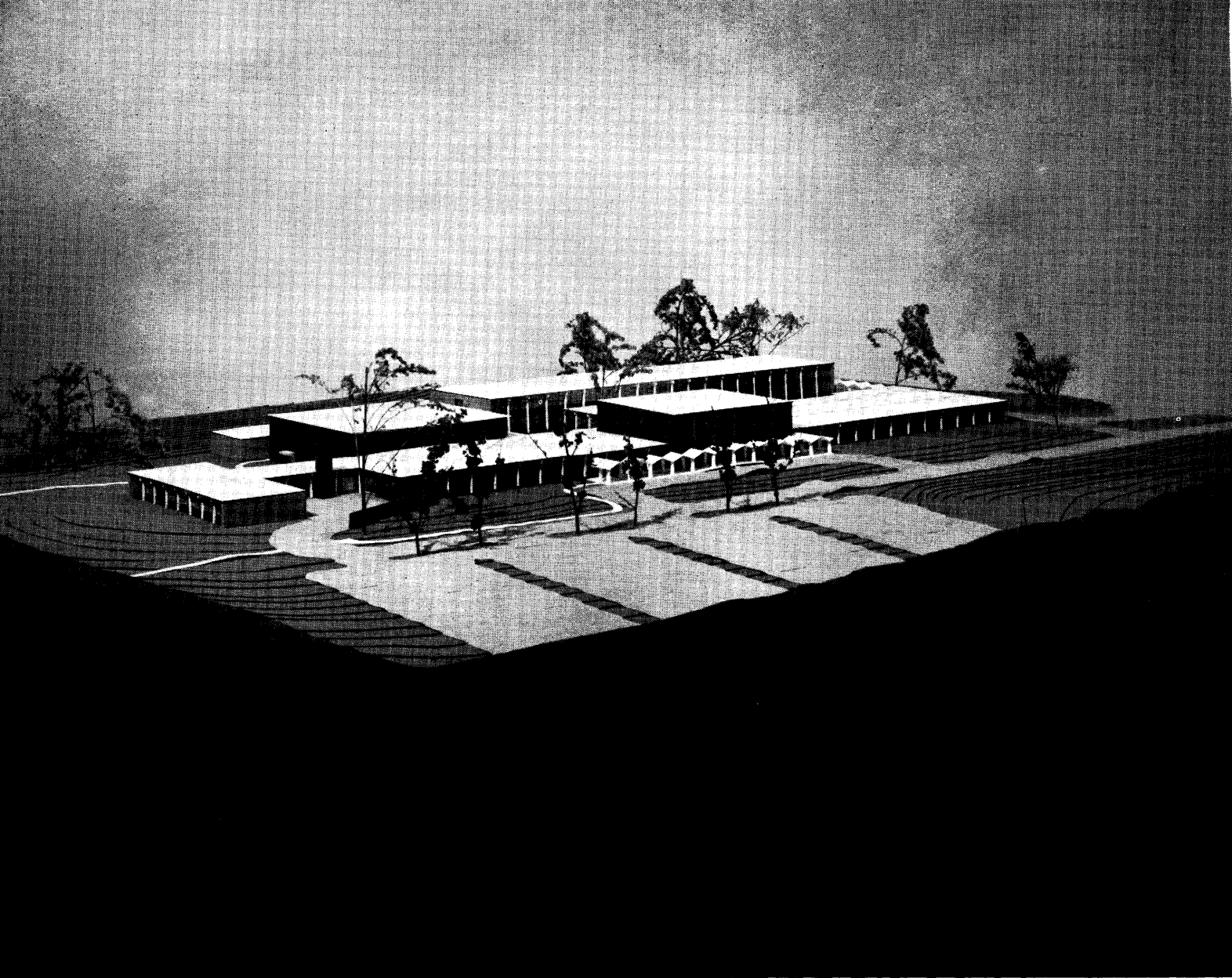
MADISON-MAYODAN HIGH SCHOOL

madison

architects:

GUDGER, BABER AND WOOD, AIA
asheville

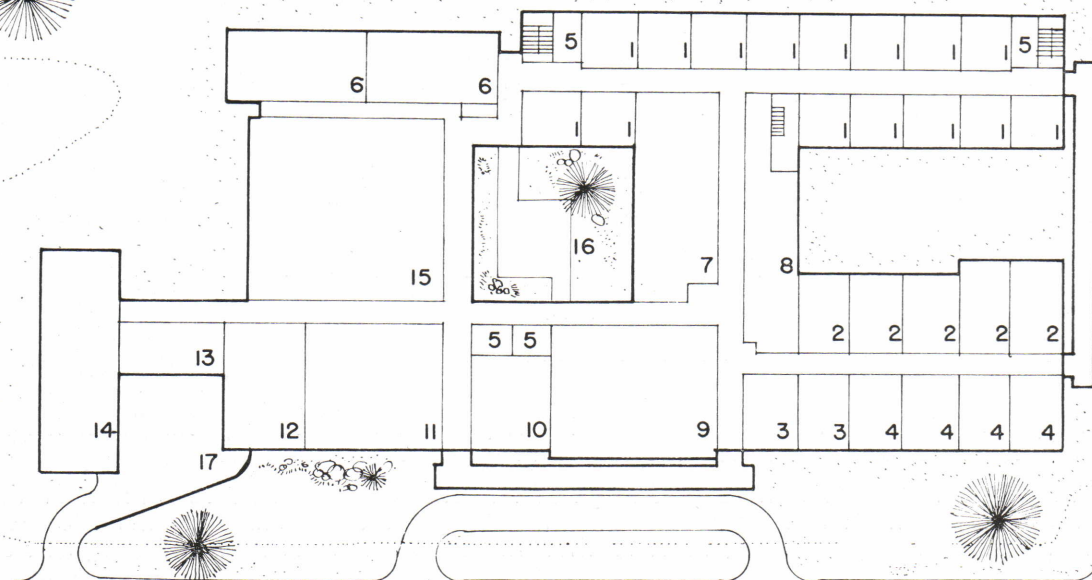




Located on a 71 acre hilltop site, this school of 108,000 square feet provides 44 classrooms, administration, library, auditorium, gymnasium, cafeteria and shop.

Construction is masonry and steel for the auditorium and precast beams and columns elsewhere. Glazed and unglazed brick-faced block walls are used for the exterior and block partitions for the interior. Heating is an oil-fired hot water system with unit ventilators.

Bidding and completion of construction are scheduled for occupancy by the fall of 1963.



- | | |
|---------------------|------------------|
| 1. Classroom | 10. Band Room |
| 2. Science Lab | 11. Cafeteria |
| 3. Homemaking Suite | 12. Kitchen |
| 4. Commercial | 13. Mechanical |
| 5. Lavatory | 14. Shop |
| 6. Locker Room | 15. Gymnasium |
| 7. Library | 16. Court |
| 8. Administration | 17. Service Yard |
| 9. Auditorium | 18. Busses |

NORTH SENIOR HIGH SCHOOL FORSYTH COUNTY

architects and engineers:

**LASHMIT, JAMES, BROWN
& POLLOCK**
winston-salem

model:

Michael Newman of architect's staff

architectural photographer:

Charles E. Talton
winston-salem



STATE OF NORTH CAROLINA
GOVERNOR'S OFFICE
RALEIGH

TERRY SANFORD
GOVERNOR

August 30, 1962

EDITORIAL BY GOVERNOR TERRY SANFORD
FOR
SOUTHERN ARCHITECT

In 1961, the citizens of North Carolina made the greatest advance in public education of any state in the Union. This advance was the largest in the history of our State.

This long step forward for the boys and girls of North Carolina came as a result of the determination of the citizens of North Carolina and the courage of the members of the 1961 General Assembly. North Carolinians decided in 1961 that the education of our sons and daughters should receive first priority.

But much still remains to be done. The improvement of our schools is a continuing challenge.

Quality Education does not come in a "Ready Mix" box. It is going to require the united efforts of us all.

We cannot afford the luxury of wasted time or ineffective teachers or lazy students or selfish parents. Nor can we afford to use our schools to provide a winter resort for students, a baby-sitting nursery for parents, a Roman holiday entertainment spectacle for the public, and for teachers a part-time way to make a full-time salary.

We must look to students, parents, school boards, teachers, principals, superintendents, and all citizens.

The State of North Carolina, like her sister States in the South and across the Nation, needs a number of new classrooms for the multiplying number of children attending the schools.

Historically, in North Carolina, local and county governments have provided the funds for school buildings and the State has provided the basic funds for teachers, supplies, and equipment. Whether funds for new classrooms come from local or state or federal government, it is obvious that we will need the additional funds if we are to provide the classrooms in which to teach our sons and daughters.

The members of the North Carolina Chapter of the American Institute of Architects and architects in other States, must assume responsibility for seeing that building funds for schools are spent wisely and that every dollar of the taxpayers' money provides a dollar's worth of teaching and learning space.

It is in keeping with the heritage of America that in a time of nuclear testing and of voyages under the Arctic ice and of flights into space that our rallying point today should be the school.

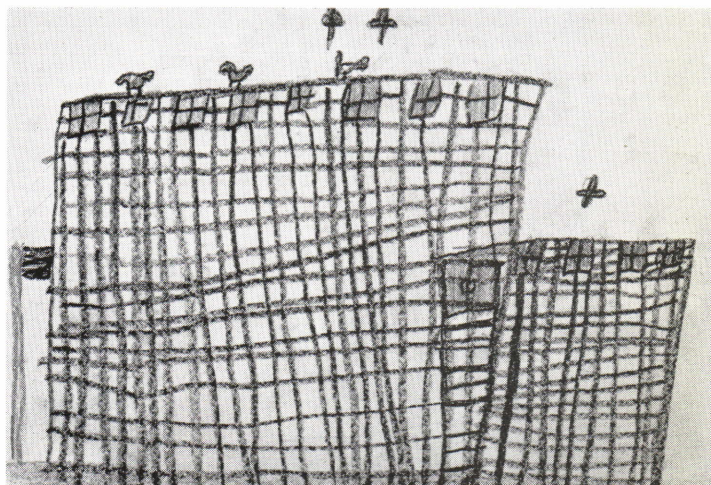
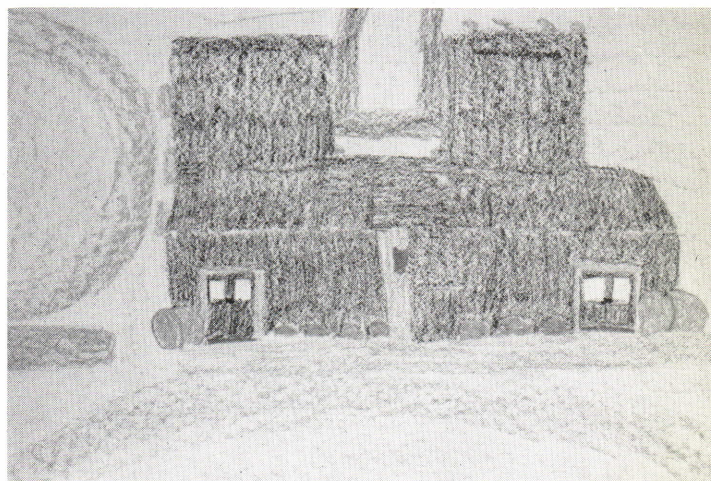
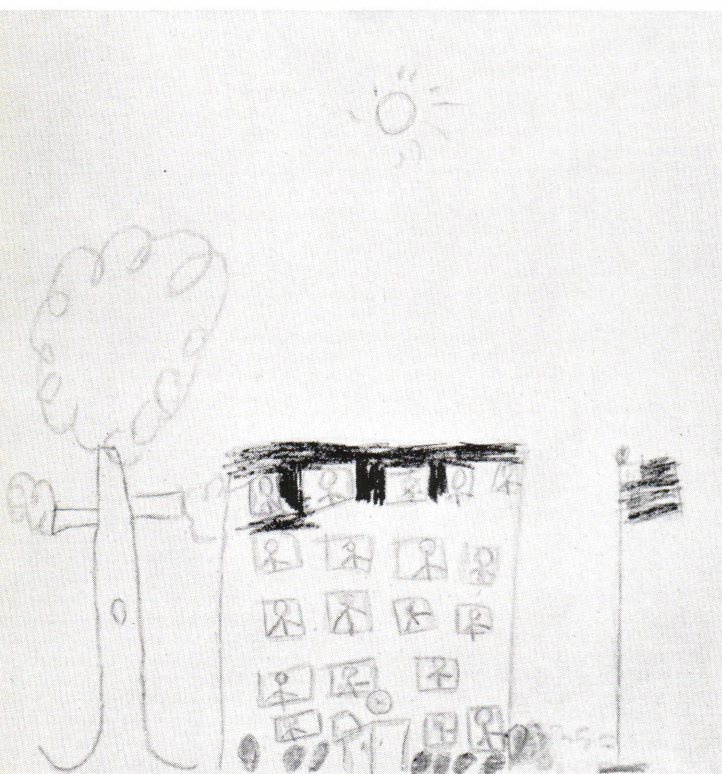
And a well chosen site it is.

For the height of American hopes are as surely anchored to the classroom desks as they are to the launching pads of Cape Canaveral.

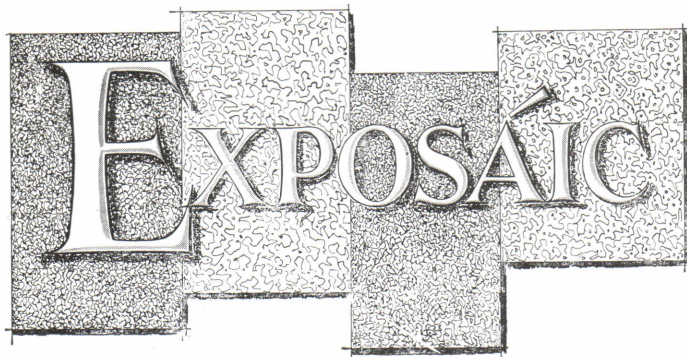
The results of the tests of the minds of students in schools across this State and Nation, will be as vital to freedom as the tests of nuclear weapons in the clouds over the Pacific.

Therefore, it is the duty of the architects and all other adult citizens of North Carolina and of the Nation to join together in building better schools and better educational opportunities for the sons and daughters of North Carolina and America.

SCHOOLS AS SEEN
BY CHILDREN

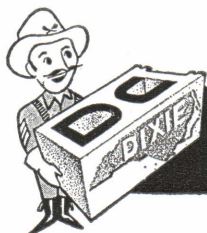


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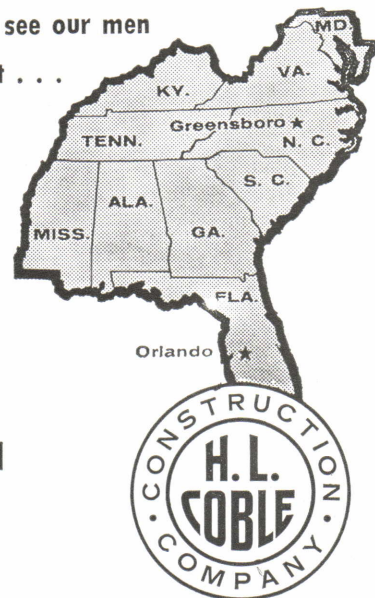
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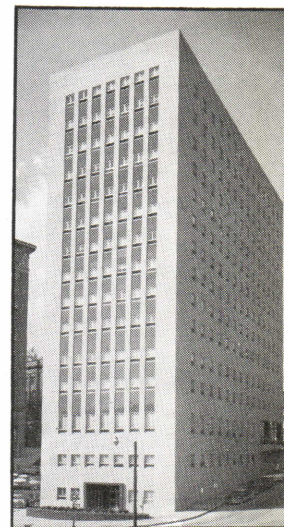
CONSULT AN ARCHITECT



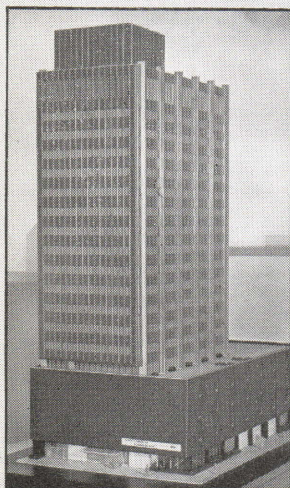
One Charles Center
Baltimore, Maryland



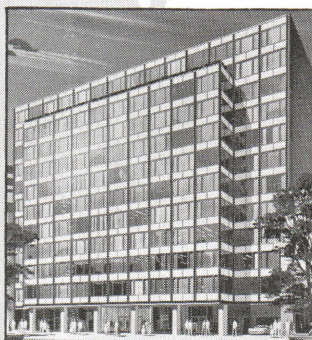
Chesapeake Bay Bridge



State Office Building
Richmond Virginia



North Carolina
National Bank
Charlotte, North Carolina



Office Building
808 17th Street
Washington, D. C.



Reynolds Metals Building
Richmond, Virginia



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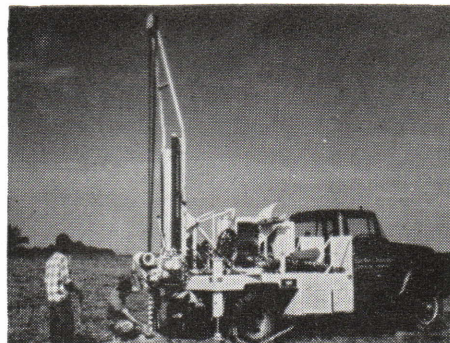
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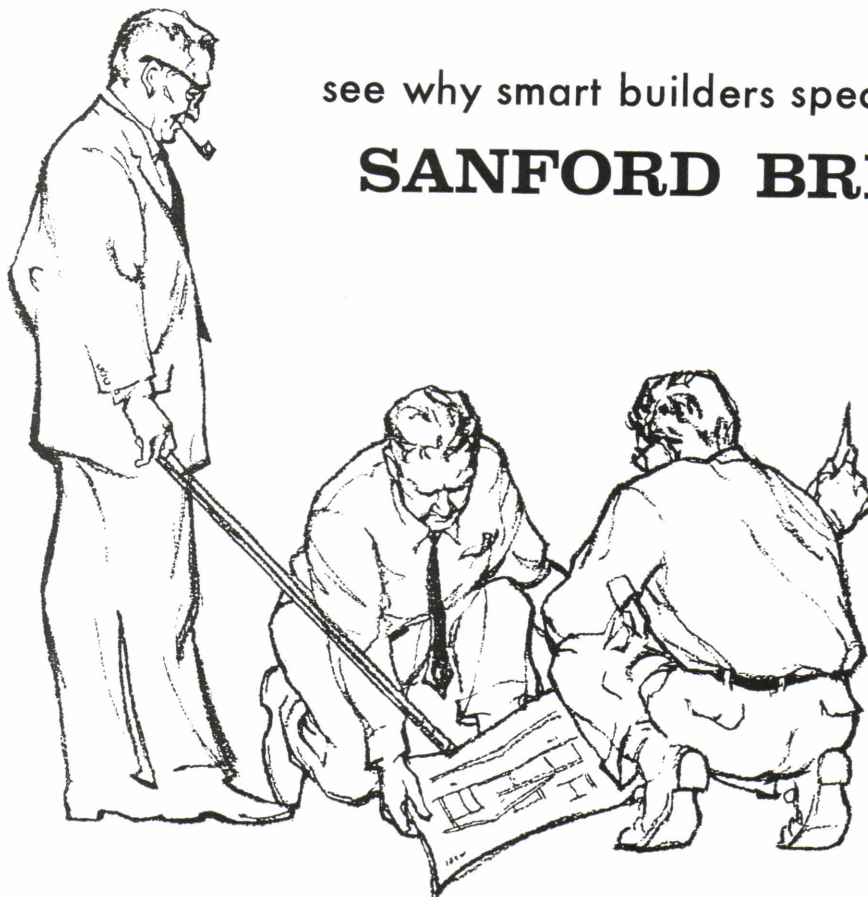
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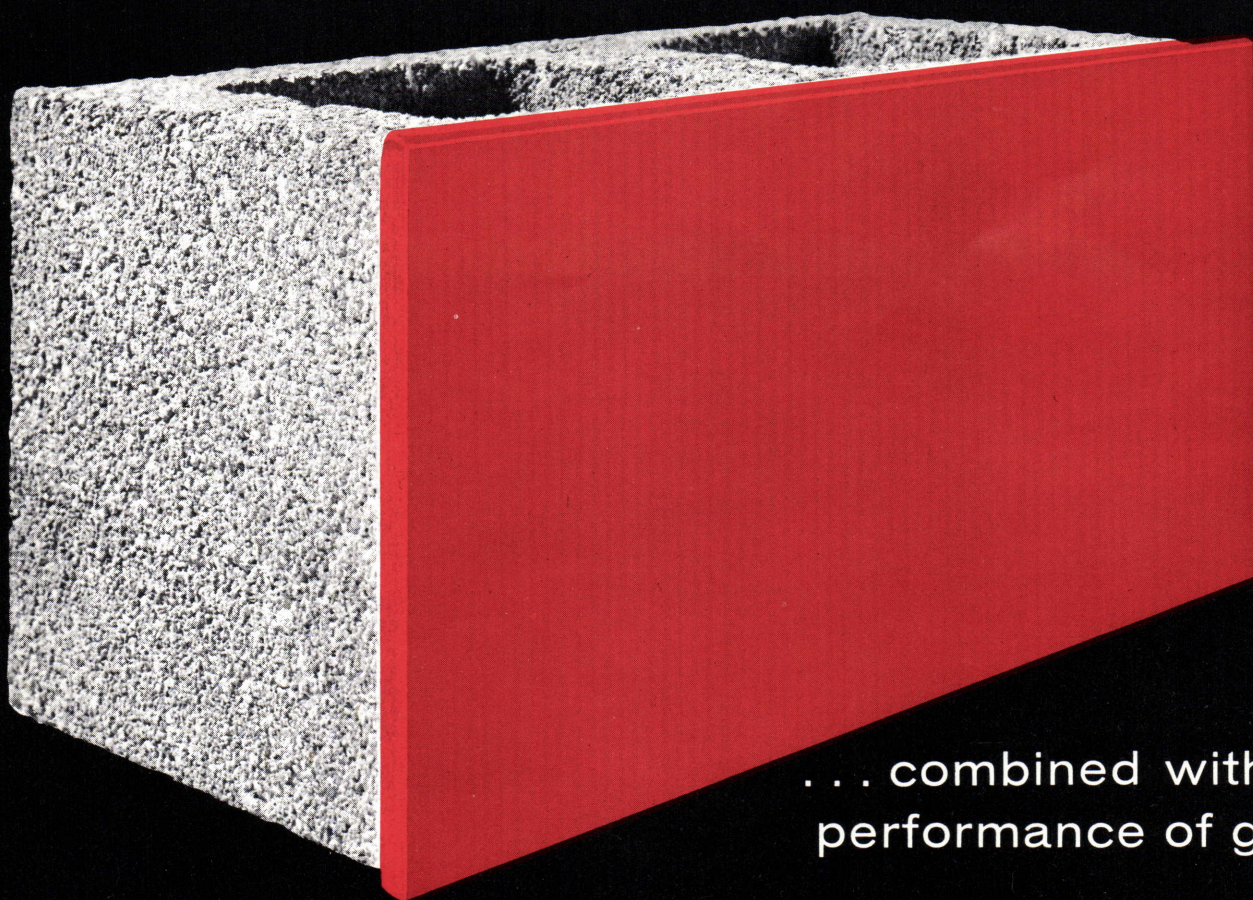
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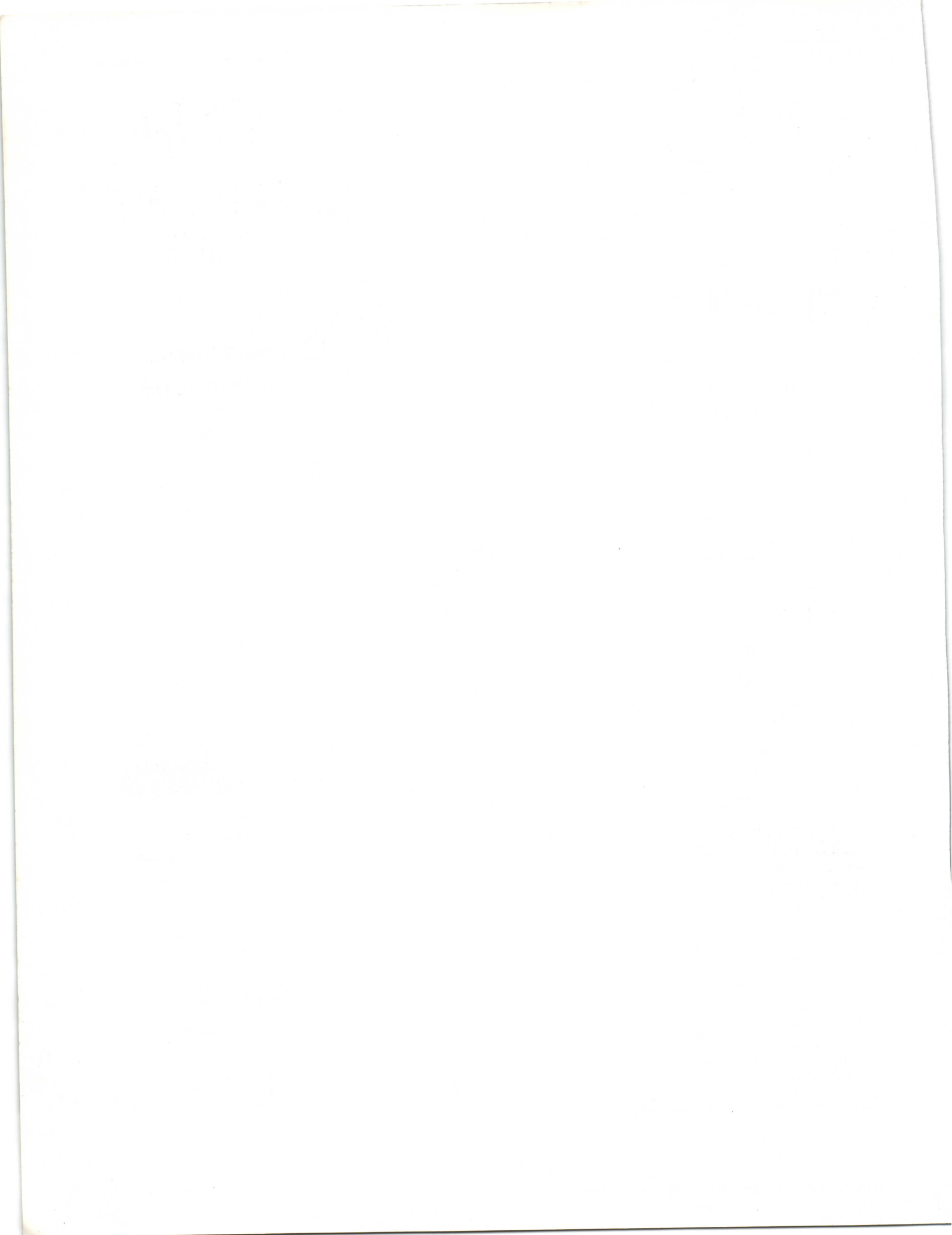
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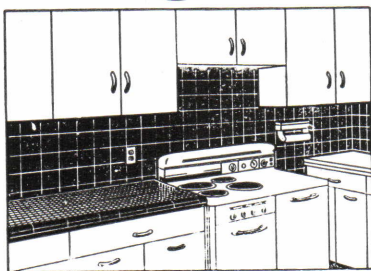


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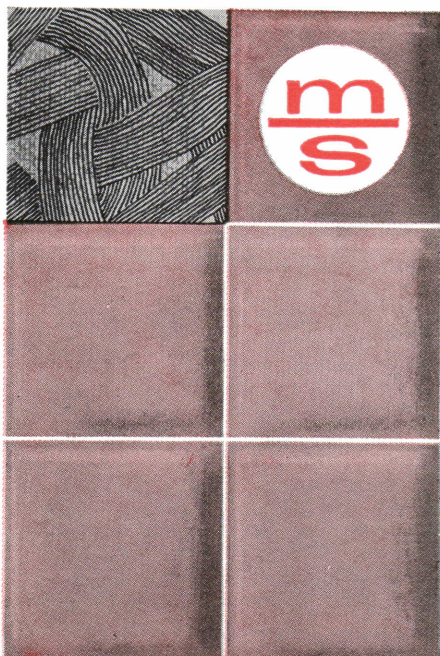


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WESTERN COUNCIL MEETS

The Western Council of Architects held its quarterly meeting in Asheville on August 10. A 20-panel photographic display of national AIA award winning architecture was shown along with various handicrafts exemplifying the arts of the region. Robert Gray, executive director of the Southern Highland Handicraft Guild, told the architects of the talent flourishing in the mountain area and suggested means by which effective collaborations could be achieved.

John Hampton, director of Asheville's Metropolitan Planning Board and of regional planning, followed up with an emphasis on the development of a "regional outlook" on the part of architects practicing in the area. He pointed out that the small communities in particular need the guidance of a regionally-oriented local architect to effectively develop their planning programs.

The meeting was considered successful in its objective to encourage an architectural practice in harmony with and expressive of the Western North Carolina region. Walter Boggs of Asheville is president of the group.

RALEIGH COUNCIL ELECTS NEW OFFICERS

At the regular monthly meeting of the Raleigh Council of Architects held on Thursday, September 6, G. Milton Small, AIA, was elected president of the group for the coming year. He succeeds William W. Dodge III, AIA, who was elected to the board of directors. Other new officers are C. F. Branan, AIA, vice president; Charles M. Sappenfield, AIA, secretary; Victor Cole, AIA, treasurer. Members of the board remaining in office are R. W. Etheredge, Jr., AIA, Turner G. Williams, AIA, and Terry Waugh, AIA.

N. C. BUILDINGS TO BE FEATURED

Beginning September 11 on WFMY-TV, channel 2 in Greensboro, the "Sports Final with Charlie Harville" will be televised on Tuesday and Thursday evenings from 11:15 to 11:25 p.m. Commercial content on the programs will include photographs of interesting building projects designed by North Carolina architects. WTVD, channel 11 in Durham, will present "Football Scoreboard" each Saturday afternoon at 5:50 p.m. during football season at which time building projects of North Carolina architects will also be included in the commercials.

COMPREHENSIVE ARCHITECTURAL SERVICES

As part of its major program to aid the architect in further increasing his competence in design and improving his competitive position in today's economy, The American Institute of Architects has scheduled seminars on "Comprehensive Architectural Services" at 11 of its regional conventions this fall. A variety of speakers will participate in the seminars, but each program will have the same basic format. A speaker will discuss one of three subjects: (1) the overall concept of comprehensive architectural services, (2) the performances of these services in actual practice, and (3) the relationship of comprehensive services to the mandatory standards of the Institute. A panel discussion will follow under a moderator. The following are speakers and moderator for the South Atlantic Region Conference scheduled for October 26 in Atlanta: William H. Scheick, AIA, Executive Director; Vincent Kling, FAIA, Philadelphia; Clinton E. Brush III AIA, Nashville; moderator, W. E. Freeman, Jr., AIA, Greenville, S. C.

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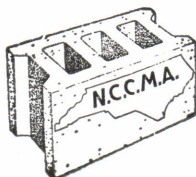
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Marguerite's Restaurant
George C. Connor, Jr., AIA, President

SEPTEMBER 20, OCTOBER 18: Winston-Salem
Council of Architects, Y.W.C.A.
Cyrill H. Pfohl, AIA, President

SEPTEMBER 27, OCTOBER 25: Greensboro Registered
Architects, Maplehouse Restaurant,
6:30 P.M.
Carl F. Andrews, President

OCTOBER 3: Charlotte Council of Architects,
Stork Restaurant No. 2
J. Norman Pease, Jr., AIA, President

OCTOBER 3: Durham Council of Architects,
Harvey's
Robert W. Carr, AIA, President

OCTOBER 4: Raleigh Council of Architects,
Y.M.C.A.
G. Milton Small, AIA, President

OCTOBER 15: Deadline for material for November
issue.

OCTOBER 15: Producers Council Informational
Meeting, Barringer Hotel, Charlotte

OCTOBER 19: Eastern Council of Architects,
Hotel Goldsboro, Goldsboro,
John J. Rowland, AIA, President

NCAIA Executive Committee Meetings:

1962	
October 20	Durham
1963	
January 12	Raleigh
April 27	Hickory
June 8	Fayetteville

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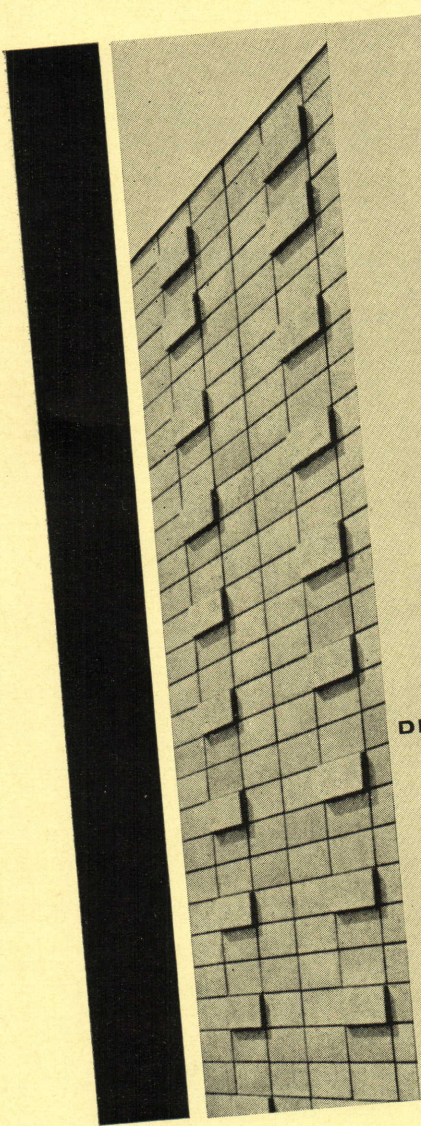
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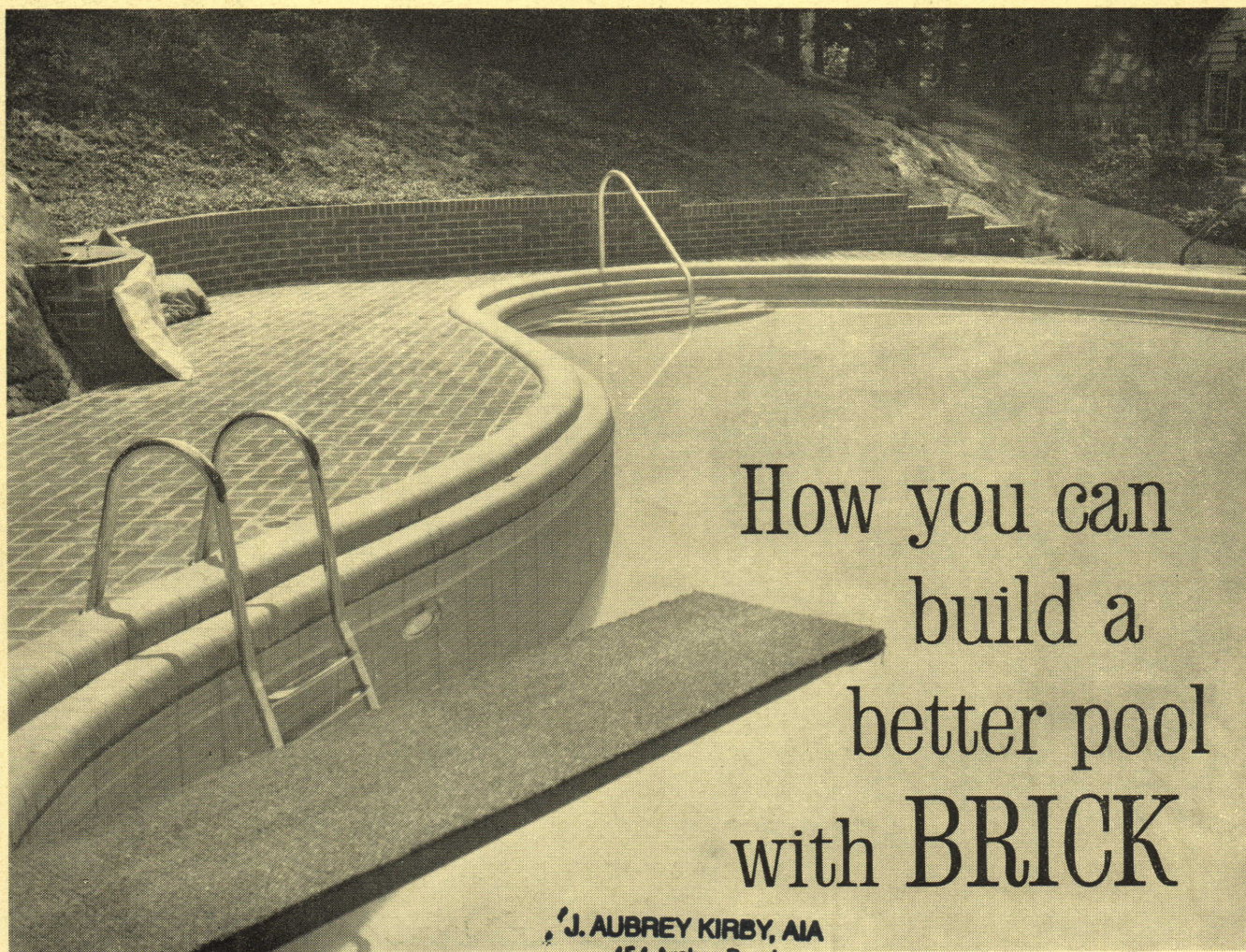
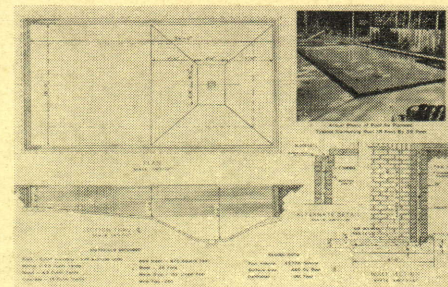
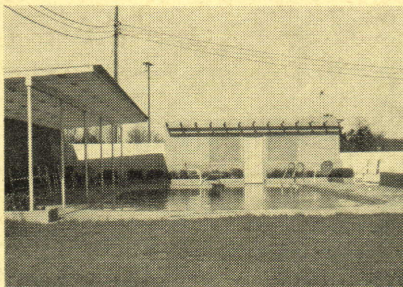
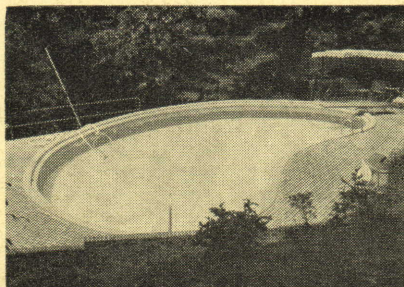
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Dixon Block Co., Belmont
Gray Concrete Pipe Company, Thomasville
Gray Concrete Pipe Company, Wilson
Greystone Concrete Products Company, Henderson
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Hoke Concrete Works, Raeford

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Smith Concrete Products, Inc., Kinston
Southeastern Block & Tile, Inc., Albemarle
Southern Concrete Products, Inc., Rocky Mount
Standard Concrete Products Company, North Wilkesboro
Standard Concrete Products Company, Raleigh
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