

# SOUTHERN ARCHITECT



PUBLISHED BY THE NORTH CAROLINA CHAPTER, AMERICAN INSTITUTE OF ARCHITECTS

**MAY 1961**

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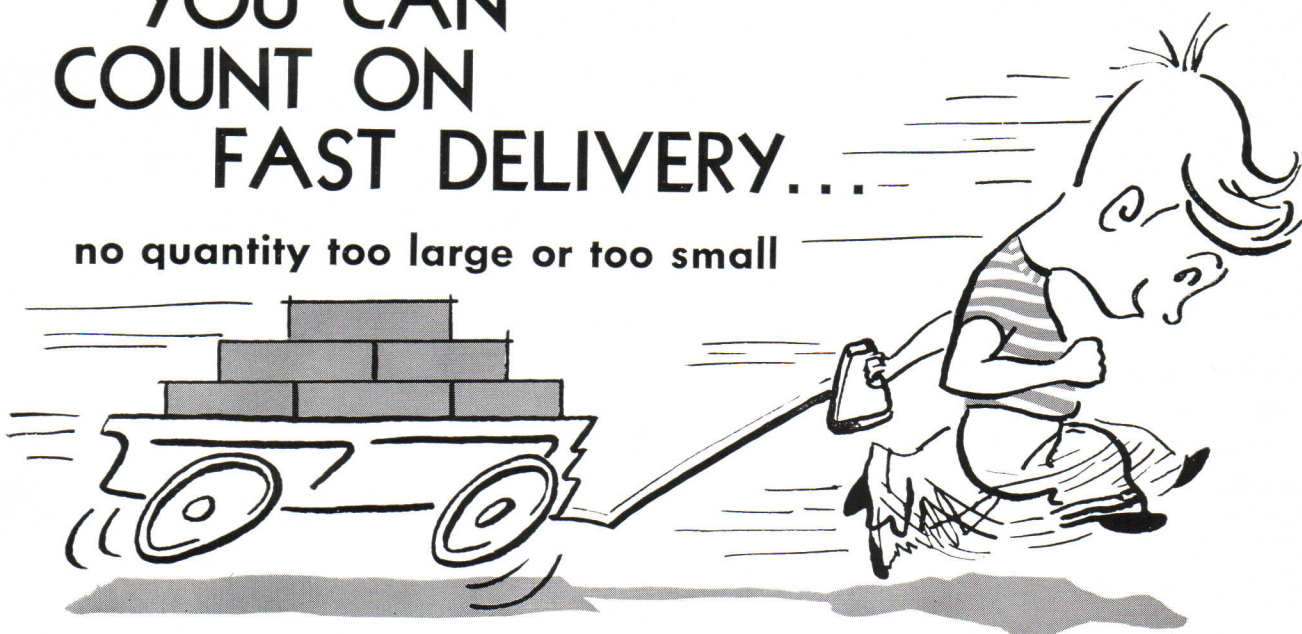
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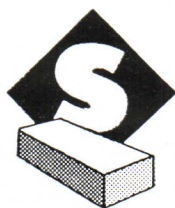


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# SOUTHERN ARCHITECT



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MAY 1961  
VOLUME 7  
NUMBER 5





*The Federal Building — Richmond, Virginia*

## Our Changing Skyline

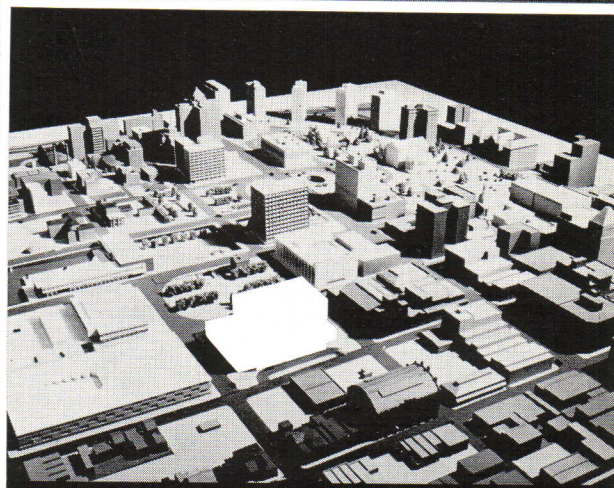
Utilizing the latest construction techniques and materials, the new 12-story Federal Building employs lightweight aggregate for structural concrete, masonry units, and pre-cast spandrel panels. The result: Greater design versatility and a deadweight saving of more than 8,000 tons.

The basic structure of the building is Solite reinforced concrete frame, using flat plate construction without column capitals or sheer heads. The plates are a uniform 9" thickness throughout and, since they are completely flat, are left exposed as finished ceilings in many areas.

Solite lightweight structural concrete was used for the pre-cast panels that predominate in the exterior walls of the building, and for exterior walls below grade. The panels, one of the project's most striking features, are faced with mosaic ceramic tile in a distinctive shade of green. Self-insulative, sound-absorbent Solite lightweight masonry units were employed for interior partitions and to back up the limestone face that complements the tile-faced panels.

The use of lightweight aggregate in these many applications effected a tremendous deadweight saving—resulting, of course, in important economies in time and construction costs.

Fresh in concept, sophisticated in design, the new Federal Building will indeed be a wonderful place to work—and a distinct contribution to Richmond's "changing skyline."



This scale model of the proposed Richmond Civic Center shows the location of the new Federal Building. The building occupies one entire block; will overlook the mall of the completed center.

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## AT THE CONVENTION, PHILADELPHIA

It has been my pleasure and privilege for the last three days to attend the National A.I.A. Convention held at Philadelphia. At least eleven other architects and their wives from North Carolina have made this trek to the "City of Brotherly Love" to exchange ideas, philosophize and listen to such outstanding leaders as Dr. Robert C. Weaver, Administrator of the Housing and Home Finance Agency; Sir William Holford, FRIBA, President Royal Institute of British Architects; Lewis Mumford, philosopher and critic; and Bruno Zevi, Architectural Historian, University of Rome. Insufficient time and space make it impossible to transmit here a summary of each speech and the thoughts presented by each individual.

Having just witnessed and listened to the solemn ceremony of the Investiture of Fellows held at the magnificent Philadelphia Museum of Art, I asked permission of Morris Ketchum, Jr., FAIA, Chancellor College of Fellows, to allow us to print his charge to the newly invested members and the honorary members of the College of Fellows. Following is the charge of the Chancellor of the College of Fellows given at Investiture of Fellows, April 26, 1961, at which time forty-six members of AIA were elevated to the College of Fellows of which twenty-nine were recognized for their service to the profession and to their fellow man:

"Tonight, your fellow architects, your families and your friends join me in giving you their congratulations, their best wishes and their great hopes for your future.

You have just received one of the highest distinctions that our profession can give to one of its practitioners. It is granted to Honorary Fellows from foreign lands for contributions of international importance to the cause of architecture; to the members of our Institute for outstanding accomplishments in design and urban planning, in the

science of construction, in service to the profession, in public service, in architectural education and in literature. Accept it, therefore, with both a full realization of its merit and a proper degree of humility. Remember that it is not an end in itself but instead a challenge to further and greater service to the cause of architecture. That cause depends, in some degree, on your creative ability and your unselfish devotion.

You and our entire profession face today the task of enlarging the horizon of architecture so that it will definitely include not only the design of buildings and the spaces around and between them but also the total environment of which these buildings are a part. It is your responsibility, as enlightened members of a planning profession, to mold and influence the condition of our cities, towns and countrysides so as to substitute order and harmony for ugliness and confusion. This is a gigantic task and one that will call upon all your resources in the years to come. If you succeed, you will have amply fulfilled the bright promise of this moment in your careers and the confidence placed in you by your profession.

Let us therefore dedicate ourselves to this and to every other cause which contributes to the advancement of architecture and the well being of our fellow citizens.

I thank you and I welcome you to the company of The College of Fellows of The American Institute of Architects!"

It is with mixed feelings of awe and admiration for these men recognized for their outstanding ability, service to their profession and to mankind, and with a sense of humility in realizing that I, too, with three hundred other men in North Carolina, are members of this same organization and profession. We, too, offer our congratulations to them and look to them for inspiration.

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



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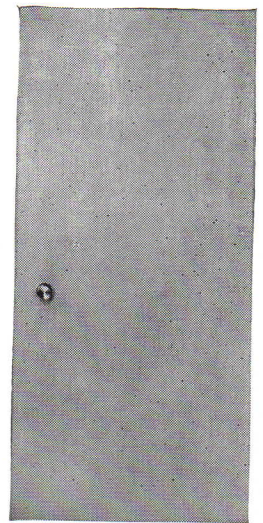
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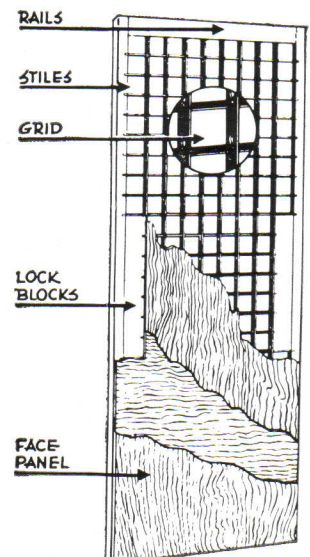
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## SUMMER CONVENTION TIME

Plans are well underway to make this the best summer convention on record. Headquarters will be set up at the Biltmore Motor Hotel, Morehead City (formerly the Morehead Biltmore Hotel) which offers a wide variety of recreational facilities, such as a boat launching ramp, 570 ft. pier on the inland waterway, swimming pool, 9-hole putting green, archery, croquette and shuffleboard. An 18-hole golf course is within 5 minutes, ocean piers and beaches may be reached in 10 minutes. Riding stable facilities are also close by.

Registration will begin on Thursday, June 15, at 1:30, with an Executive Committee meeting to be held at 3:00 p.m.

At 8:30 a.m. on Friday morning there will be a breakfast for the Executive Committee, Committee Chairman and Council Presidents, registration will continue at 9:00, a business meeting at 10:00, with workshops for the various committees to be included on the Friday morning agenda.

Saturday morning will include a business meeting at 10:00, with a report by the Public Relations Committee, William W. Dodge III, Chairman, assisted by William R. James. A representative from the Public Relations Department of the Octagon has been invited to give a talk on various phases of Public Relations and what it means to the archi-



tect. The Public Relations Department at AIA headquarters is cooperating to make this a program which should be of interest to each architect or firm.

At the luxurious Coral Bay Club at Atlantic Beach a cocktail party is being planned for Thursday afternoon, and a cocktail, dinner party and dance will be held there on Friday evening. Arrangements are being made to take a side trip on Saturday to New Bern to visit Tryon Palace. A continuous fishing contest will take place with prizes being awarded on Saturday evening at the informal "Going Fishing" supper party and dance. The cabaret style party will probably be held at the Biltmore, with old fishing clothes being the attire for the occasion. This Saturday evening event will wind up with a swimming party. Water skiing instruction will be available on Thursday, Friday and Saturday afternoons and perhaps some of you will put on an exhibition of your skiing skills on Saturday afternoon. Also in store for you is a buffet breakfast being held at the Biltmore on Saturday morning. Thursday night's entertainment has not been definitely arranged at this time, but we promise you some fun.

With this much already planned for your enlightenment and entertainment we hope that many of you will plan to attend.



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(Continued on page 18)



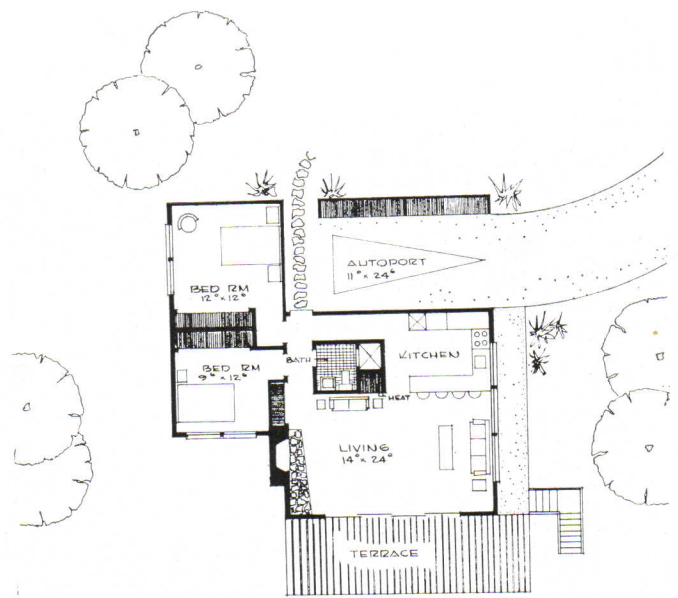


## WEEKEND CABIN

Architect: Harles & Edwards,  
Rocky Mount

Owner: Mr. and Mrs. Albert Rabil



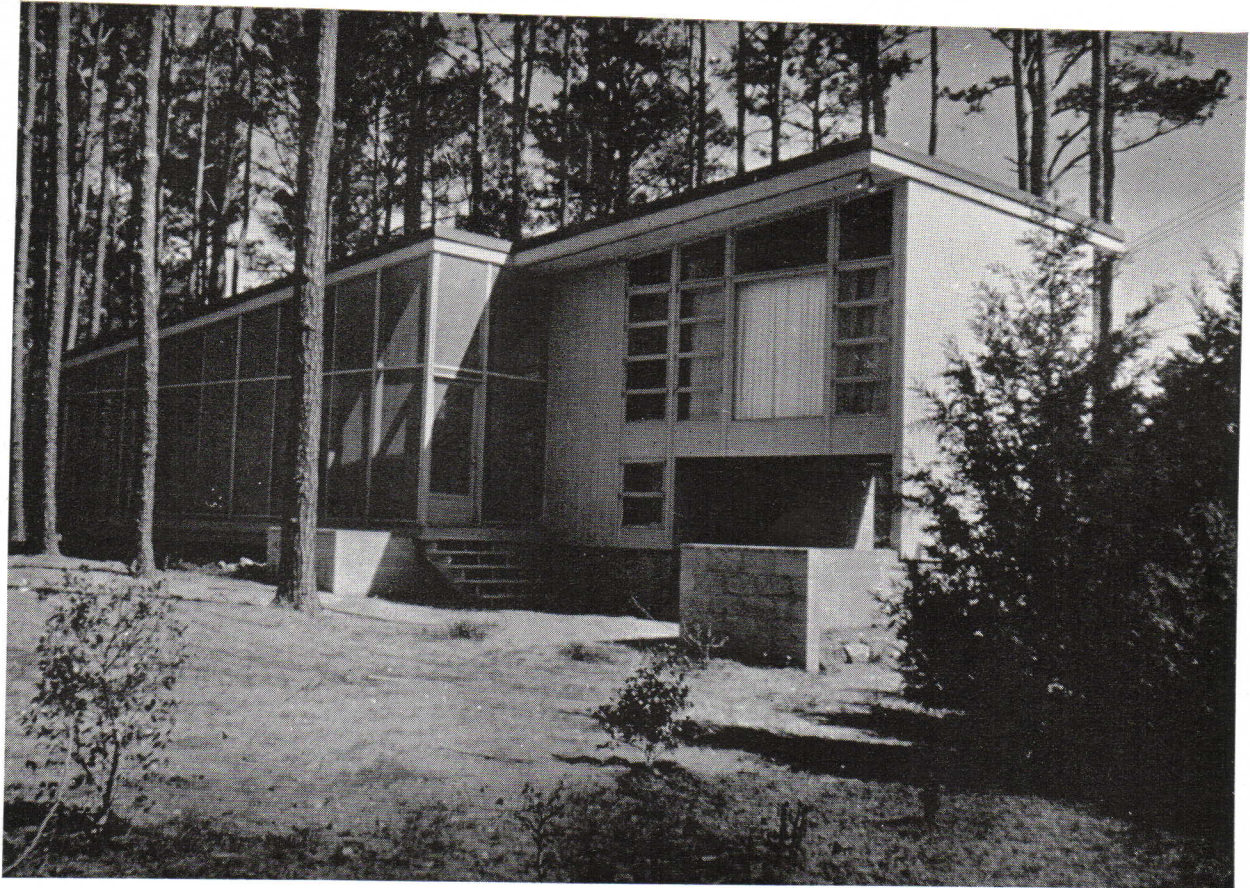


To create an impression of bringing the mountainside view into the living area the design of the sloping roof from front to rear seemed the ideal solution. Built beside a mountain stream, the sun deck may be opened up with the living room to provide a more spacious living area.

The carport is accessible to the living area or the sleeping area with the kitchen and bath centrally located in the house. The cabin may be easily opened or closed for weekend vacations.





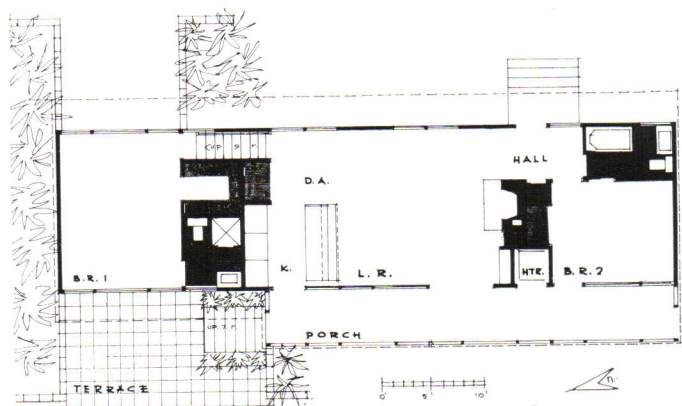
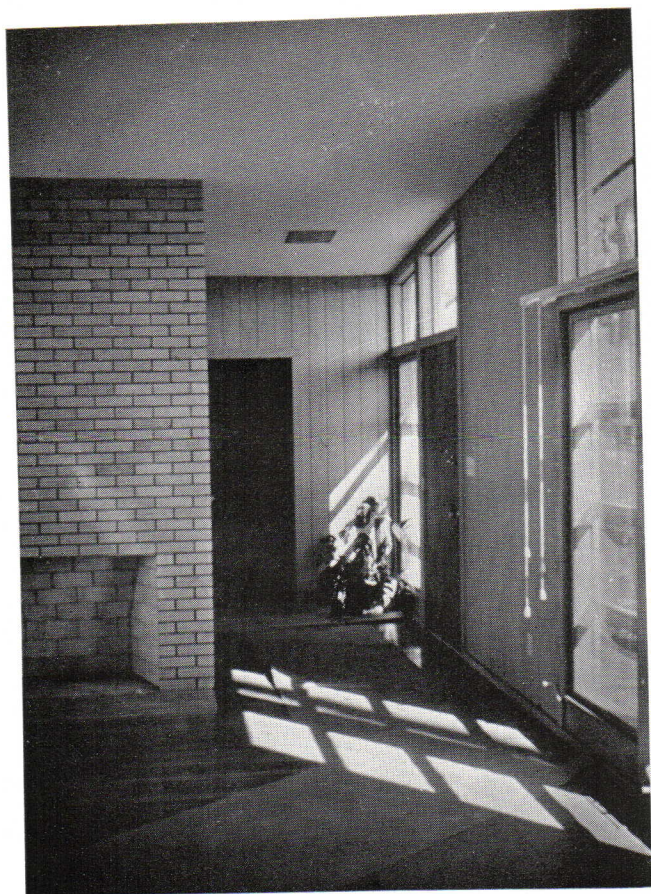


Situated in a pine thicket on a bluff overlooking the inland waterway and through an estuary to the ocean, this residence was designed to take full advantage of the view of sea and sky. The master bedroom is above the carport to afford the owner a better observational view. The guest room is at the opposite end of the house with guest bathroom opening into a hall as well as the bedroom. The porch may be thrown open and made a part of the living room and the lower terrace opens off

the carport so this area may be used for sitting and eating out.

The exterior walls are surfaced with vertical TG and V Siding treated with creosote bleach. Other vertical walls are paneled with Phillipine mahogany and the slab doors are made to match. Awning windows duplicated on the east and west sides of the house get full benefit of the sea breeze. The house was designed for year-round living on the inland waterway.





## RESIDENCE

PORTER'S NECK, N. C.

Architect: Edward W. Waugh, AIA  
Raleigh, N. C.

Builder: Alex Fonvielle, Jr.

Owner: Mr. and Mrs. Bernard Abrams

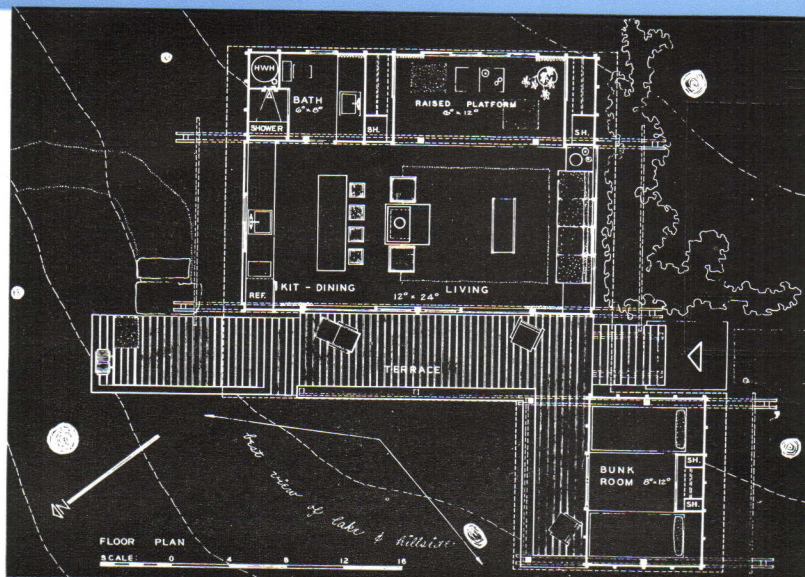




NCAIA

AWARD OF MERIT

1961





Receiving an Award of Merit with Special Commendation this attractive vacation cabin can be built at a maximum cost of \$1,500 for materials. Easily constructed, a 4-way cantilever provides maximum area with minimum support.

Open areas face the water with few openings toward the approach road and parking area, providing maximum privacy. The living area and sun deck may be thrown open for additional space. A built-in sofa doubles as additional sleeping space and a bunk-house is entirely separate from the living quarters.

Built of plywood walls with 2" x 2" wood battens the cottage is raised 4' above the ground to discourage vermin infestation. The floors are 3/4" plywood over joists; the combination roof-ceiling is 3/8" thick, laid in regular shingle fashion.



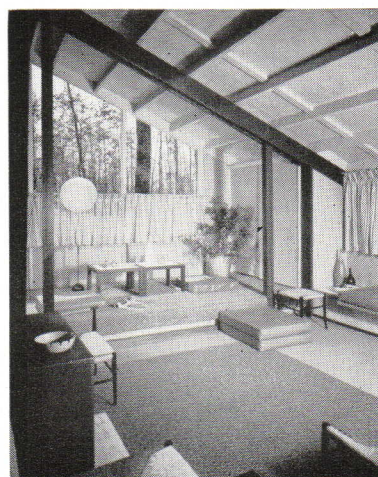
## VACATION CABIN

RALEIGH, N. C.

Architect: George Matsumoto

Contractor: Frank Walser

Owner: Woman's Day Magazine, New York  
Douglas Fir Plywood Assn., Tacoma, Wash.





Beautiful First Church of Christ, Scientist, Miami, Fla. Charles D. Faulkner, Chicago, architect; Steward-Skinner Associates, Miami, assoc. architects.

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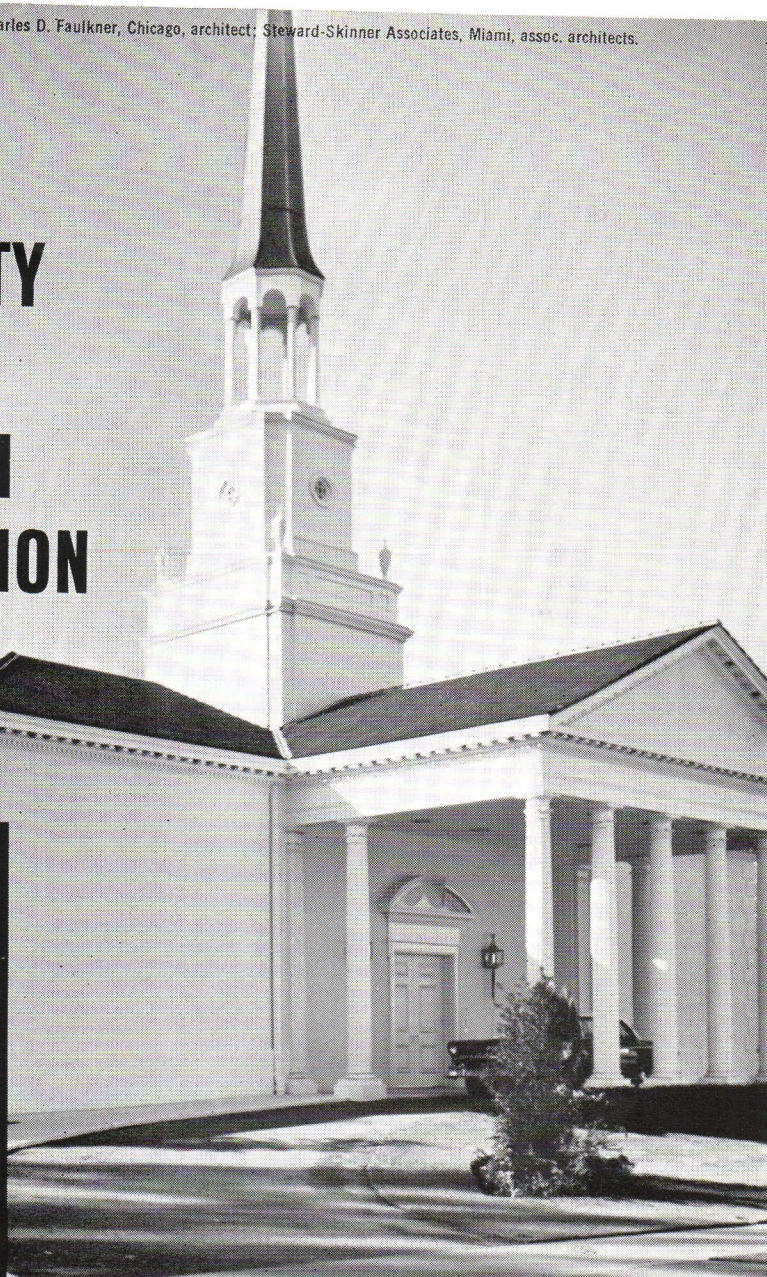
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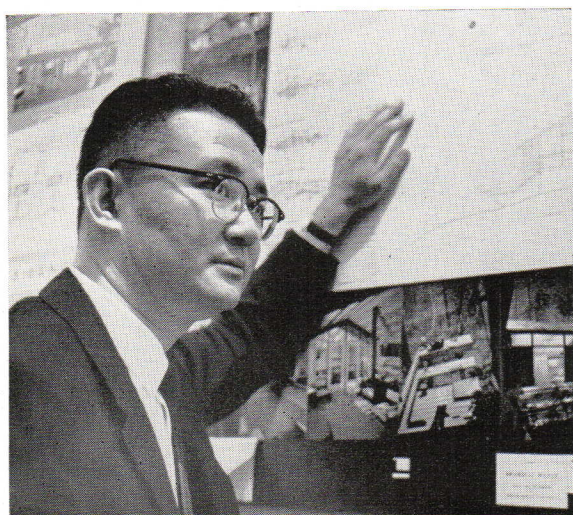
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## PERSONALITY

# GEORGE MATSUMOTO



Japanese American, Architect, teacher in the North Carolina State College School of Design, Raleigh, is no apologist for modern architecture. He states his position — "Modern Architecture is the only architecture that is valid today." — and that's it.

The vacation house featured on the preceding pages is just an added one to the list of Honor Awards, Mr. Matsumoto has received during the past twelve years that he has been in North Carolina. He has won awards on a Chapter, Regional and National basis, particularly in the field of modern residences, and has also received recognition for the design of other buildings. In 1945 he won the National City Planning Competition for the best regional master plan for a better Chicago.

This summer Mr. Matsumoto, his wife and four children will leave North Carolina for his native San Francisco where he will practice architecture, as well as teach.

Noting the change in architecture in North Carolina since he came here in 1948, he says: "There's a tremendous interest in modern and better modern work being done every day . . . An office building for example. There, you're interested in performance, comfort, light, adaptability and flexibility. The building goes modern without question.

"In churches and homes you are emotionally involved. But I don't think this will last much longer. How much longer can we live in a horse and buggy?"

Modern architecture, Mr. Matsumoto believes, should not imitate anything. "The trouble with most people is that they look at architecture as a style and try to copy. I've been to Williamsburg and enjoyed it. For that time, it was the best. But why should we do Williamsburg now, when we know better ways of doing it?"

The modern house will come into its own he predicted when "component assemblage" is developed, "when we get into production system techniques." Not, he said, completely prefabricated necessarily, but aimed toward reducing the ever-increasing cost of on-the-job labor.

"Look for the fundamentals," he advises his students. "You have to go in the direction you know you're right and stay with your conviction. If you're wrong, time will tell."

Mr. Matsumoto has been a member of the North Carolina Chapter, A.I.A. since 1951, and has been active and interested in the Chapter during the past ten years.

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## COMMITTEES ASSIGNED TO EACH MEMBER OF EXECUTIVE COMMITTEE

(Continued from page 9)

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## ATOMIC SHELTER SEMINARS

The Shelter Research and Study Program of the Department of Architecture of The Pennsylvania State University is planning a series of summer seminars and short courses which will be of interest to architects and other professional groups.

The atomic age has produced a wealth of entirely new problems for architects, engineers, scientists, executives, and others in management.

Consideration must now be given in the design of structures to the effects of atomic weapons, both from the standpoints of nuclear blast and radiation.

These problems have prompted The Pennsylvania State University to offer three seminars in the areas of atomic shelter and survival in the nuclear age during the coming summer.

The first of the seminars, Planning Aspects of Atomic Shelter, July 9 through July 21, is for architects and engineers who are or will become involved in planning and preliminary design aspects of buildings, shelters, and facilities to resist the effects of nuclear weapons.

The course will include a summary of effects of atomic weapons, including blast and nuclear and thermal radiation, functional requirements for protection, relationship of various protection criteria to total system planning, planning of integrated shelter systems including architectural, structural, electrical, mechanical, and sanitary sub-systems. Enrollees should have a technical background equivalent to a bachelor's degree in architecture, architectural engineering, or engineering.

From July 23 to August 4 will be the second event, Structural Engineering Aspects of Atomic Shelter, a short course for structural and architectural engineers involved in the analysis and design of structural systems and radiation shielding systems of buildings, shelters, and structures.

Included will be a brief summary of atomic weapon effects data, blast loading of various structural systems types, ultimate strength theory, dynamic analysis and design methods, distribution, intensity, and energy levels of nuclear radiation — initial radiation and fall-out, mechanism of attenuation of radiation in building construction materials, geometry and barrier shielding factors, and methods of calculation of shielding for buildings. Although a technical background equivalent to a bachelor of science degree is civil, structural, or architectural engineering is essential for profitable participation, no formal background in nuclear engineering is required.



The third seminar, to be held August 13 to 18, is titled Survival in the Nuclear Age — Executive Management. It is intended for architects, executives, engineers, and others in management responsible for the administrative planning of industrial, governmental, municipal, hospital, and other facilities and complexes for the incorporation of protection against the effects of nuclear weapons.

Under consideration will be the survival problem from the standpoint of executive management, including the significance of nuclear weapons effects in relation to the survival of buildings and personnel, and the continuity of industrial and governmental capability; the need for atomic shelters, the economics of protection; and administrative planning for the incorporation of atomic shelters in existing construction and in future construction.

Co-chairmen for the seminars are Gifford H. Albright, Director of the Shelter Research and Study Program, and Allen F. Dill, Deputy Director, Shelter Research and Study Program.

Four basic areas of study will be covered during an engineering seminar on Structural Aspects of Architectural Engineering, to be held here Sept. 10 to 15.

These areas are analysis and design of structural systems, fire protection aspects of structural systems, modular coordination, and new developments.

Included will be a review and development of basic concepts of ultimate strength design for concrete and plastic design for steel, design of elements and structural systems based on ultimate load theory; review of latest developments relating to the influence of fire protection on the design of structural systems; review of latest developments relating to the influence of modular coordination on the design of structural systems; and review of new developments relating to structural aspects of architectural engineering, including structural plastics, laminates, new materials, and atomic shelter.

Enrollees should have the equivalent of a bachelor's degree in architectural or structural engineering to obtain the maximum benefit.

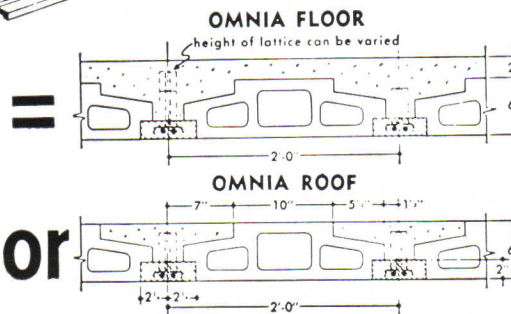
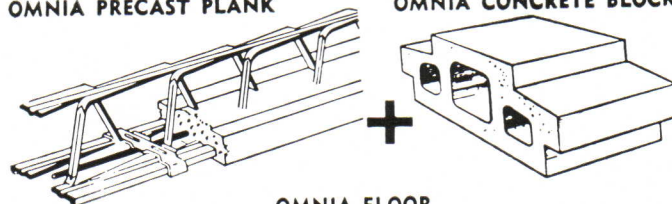
Seminar co-chairmen are Gifford H. Albright, associate professor of architectural engineering, Melvin W. Isenberg, associate professor of architectural engineering.

Further information may be obtained from Architectural Engineering, 133 Hammond Building, The Pennsylvania State University, University Park, Penna.

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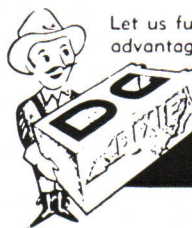
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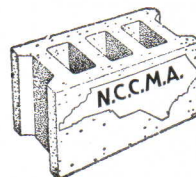
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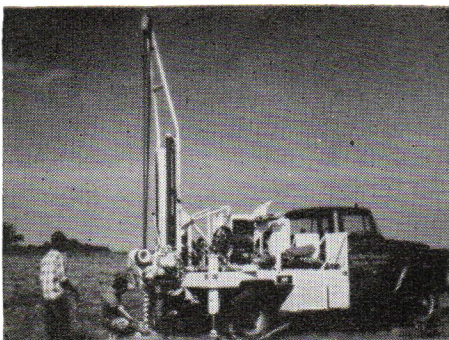
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## ARCHITECTS and BUILDERS in the NEWS

### EASTERN COUNCIL MEETS IN SMITHFIELD

The Eastern Council of Architects held a dinner meeting in Smithfield on the evening of Friday, May 5. With Council President Robert H. Stephens of New Bern presiding, a short talk was made by William H. Deitrick, FAIA, and William Hart of Raleigh, President and Director of the Design Foundation of N. C. State College.

Completing the program were Robert W. Etheredge, Jr., AIA, and William W. Dodge III, AIA, President and Secretary of the Raleigh Council of Architects, Inc. They discussed the Raleigh Council and what features make it successful.

### AWARDS BANQUET 1961

On Thursday evening, May 4, the Raleigh Council of Architects, Inc. held an awards banquet for the presentation of the NCAIA Honor Awards for 1961. Awards were presented by NCAIA Vice-President, Arthur C. Jenkins, Jr. of Fayetteville, after a talk by speaker Ted Davis of Raleigh.

Robert W. Etheredge, AIA, President of the Raleigh Council, presided. Guests were owners and contractors of the award winning designs and PENC Vice President R. G. B. Bourne and Mrs. Bourne. Others in attendance were members of the Raleigh Council and their wives.

### ELECTED BY THE GENERAL ASSEMBLY

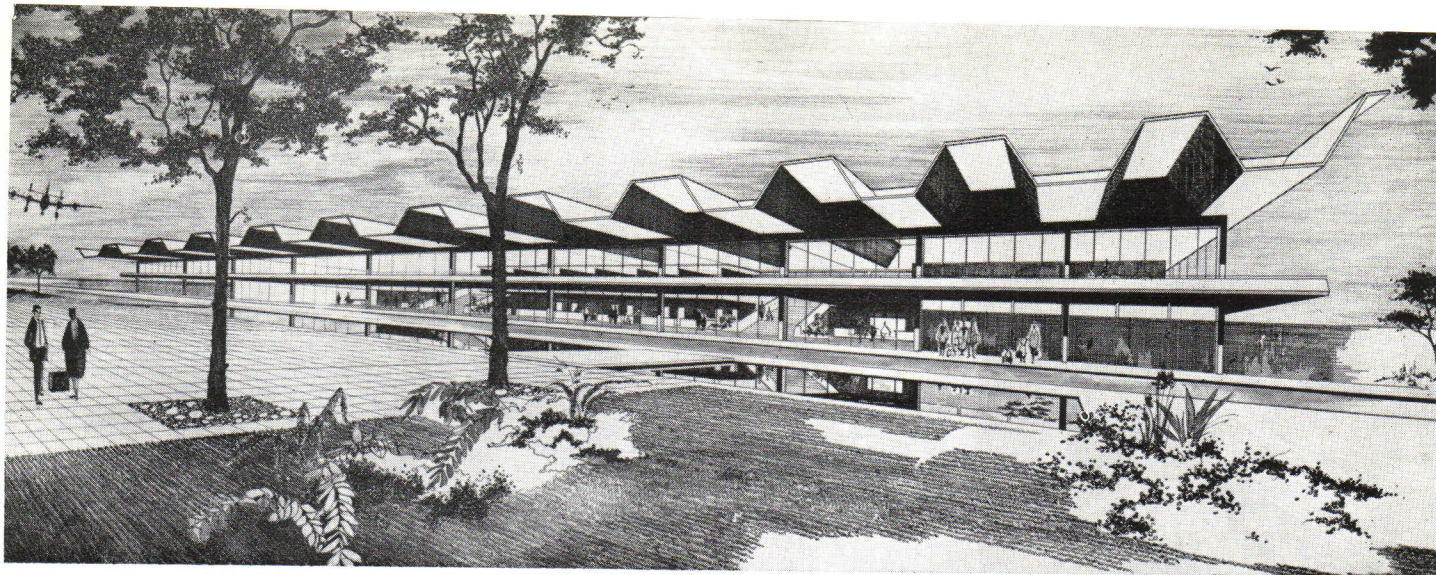
B. Atwood Skinner, Jr., AIA, of Wilson has been elected to the Board of Trustees of the Consolidated University of North Carolina by the 1961 General Assembly.

A native of Charlotte and a graduate of N. C. State College, Mr. Skinner honors his profession by being the only architect presently on the Board of Trustees. He is active in church and civic affairs, is a member of the Bishop's Committee on Methodist Church design and serves on the NCAIA committee on The Collaboration for Design Professions.

### ATTEND NATIONAL CONVENTION

The following members of the North Carolina Chapter attended the national convention in Philadelphia on April 24-28: A. B. Cardelli, New Bern; Cecil Elliott, Raleigh; Elliott Carroll, Washington, D. C.; James Fitzgibbon, Raleigh; Albert Haskins, Raleigh; Arthur Jenkins, Fayetteville; Henry Kamp-hoefner, Raleigh; Anthony Lord, Asheville; George Matsumoto, Raleigh; A. G. Odell, Charlotte; Stuart Penn, Morganton; and John Ramsay, Salisbury.





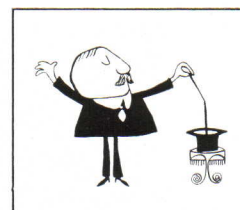
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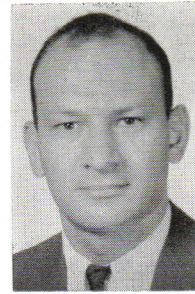
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**SCHOLARSHIP WINNERS**

The Education Committee of the American Institute of Architects has announced that Charles H. Kahn is the recipient of a \$1,200 scholarship for study in Europe. Mr. Kahn will leave the United States the latter part of June to be away approximately two months. A portion of his award he will use for library research on Gothic Structural concepts in Europe for use in teaching structural design. Mr. Kahn is a graduate of the School of Design, N. C. State College, and is presently an associate professor there. Two years ago Kahn was in Europe on a Fulbright Fellowship.

William Henley Deitrick, FAIA, a member of the Education Committee of AIA, announced the scholarship winners and stated that the awards are from the Henry Adams Scholarship Fund which is part of a \$53,000 program administered by the Education Committee.

A \$1,000 scholarship has also been awarded William Edison Valentine of Whiteville, N. C., a 1960 graduate of the School of Design, N. C. State College. Valentine will study architecture at Harvard University Graduate School of Design.

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## CALENDAR OF EVENTS

MAY 25: Greensboro Society of Architects, Maple-house Restaurant

Herman R. McLawhorn, Jr., AIA, President

JUNE 1: Deadline for material for July issue.

JUNE 1: Raleigh Council of Architects, Holiday Inn.

Robert W. Etheredge, AIA, President.

JUNE 6: Durham Council of Architects, Harvey's.

Robert W. Carr, AIA, President.

JUNE 7: Charlotte Council of Architects, Chez Montet.

R. Emory Holroyd, Jr., AIA, President.

JUNE 7, 14, 21, 28: Architect's Guild of High Point, Marguerite's Restaurant.

George C. Connor, Jr., AIA, President.

JUNE 15-17: Summer Meeting NCAIA; Biltmore

Motor Hotel, Morehead City, N. C.

JUNE 20: Winston-Salem Council of Architects, Y.W.C.A.

William R. Wallace, AIA, President.

JUNE 22: Greensboro Society of Architects, Maple-house Restaurant.

Herman R. McLawhorn, Jr., AIA, President.

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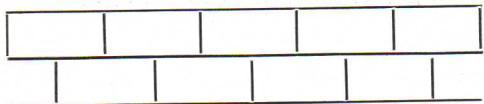
SUMMER MEETING

June 15, 16, 17

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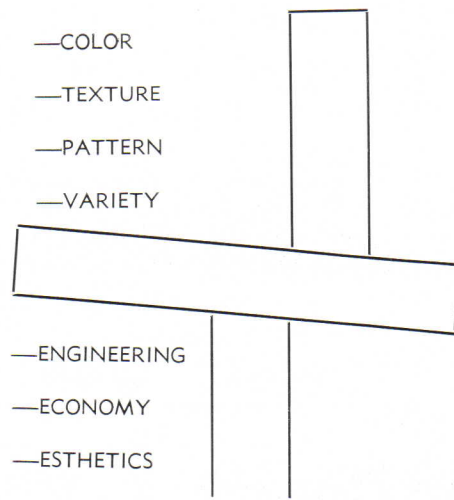
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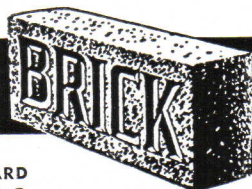
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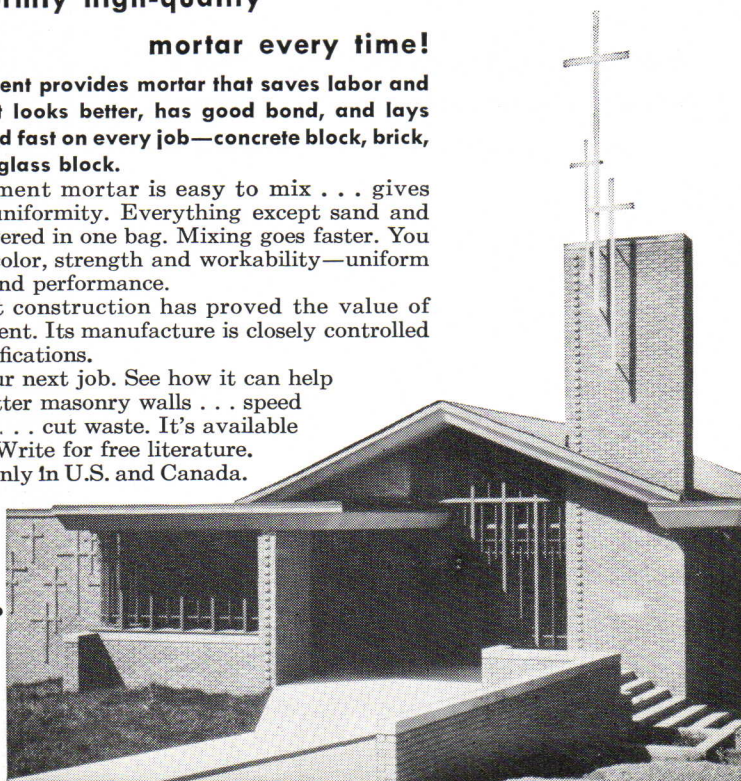
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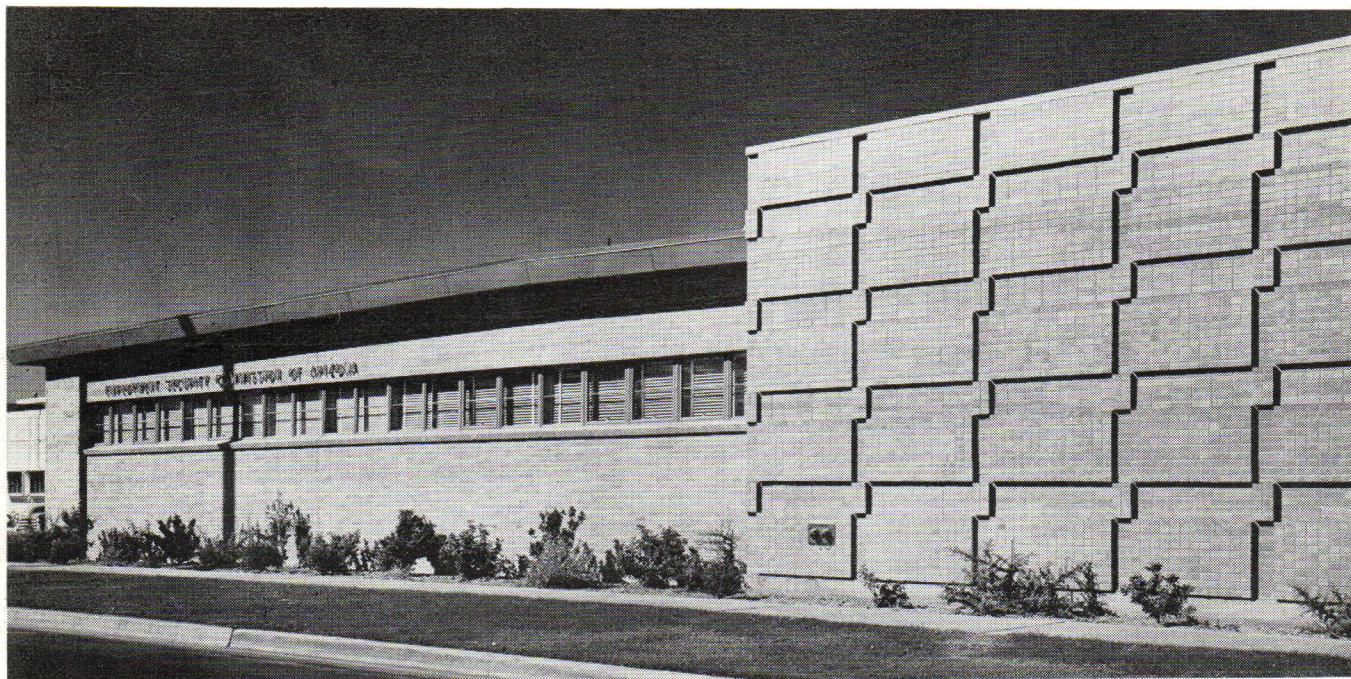
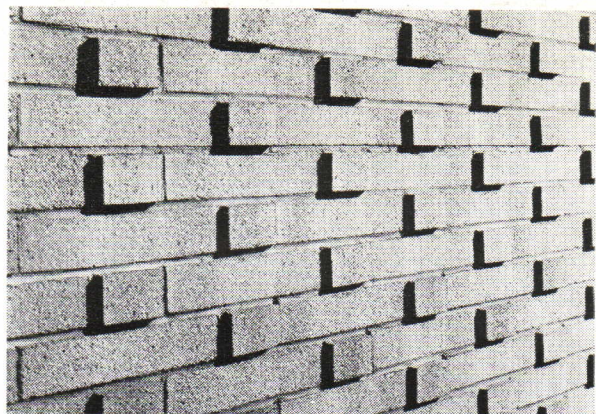
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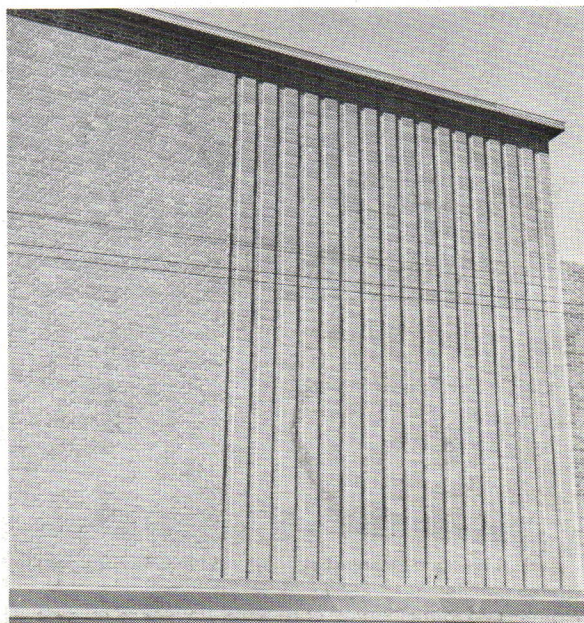




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