

March-April 1987

NORTH CAROLINA ARCHITECT



839 020147 AIA A
Steven E Arnaudin
P O Box 176
211 Princess St
Wilmington, NC 28402

US Postage Paid
Raleigh, N.C.
Permit No. 455

Our New Look Will Be Unwrapped With The Next Issue.



The May/June issue of NC Architecture is bringing a new look and approach. There'll be more features, more photos, more news and more opportunities for advertisers.

ADVERTISERS

If you have a product or service of interest to architects, contact Tammy Shirley, Advertising Director, for information on ad rates and schedules.

ARCHITECTS

If you have a project that would be of interest to your peers, contact Ellen Grissett, Editor, for information on how your project can be featured.

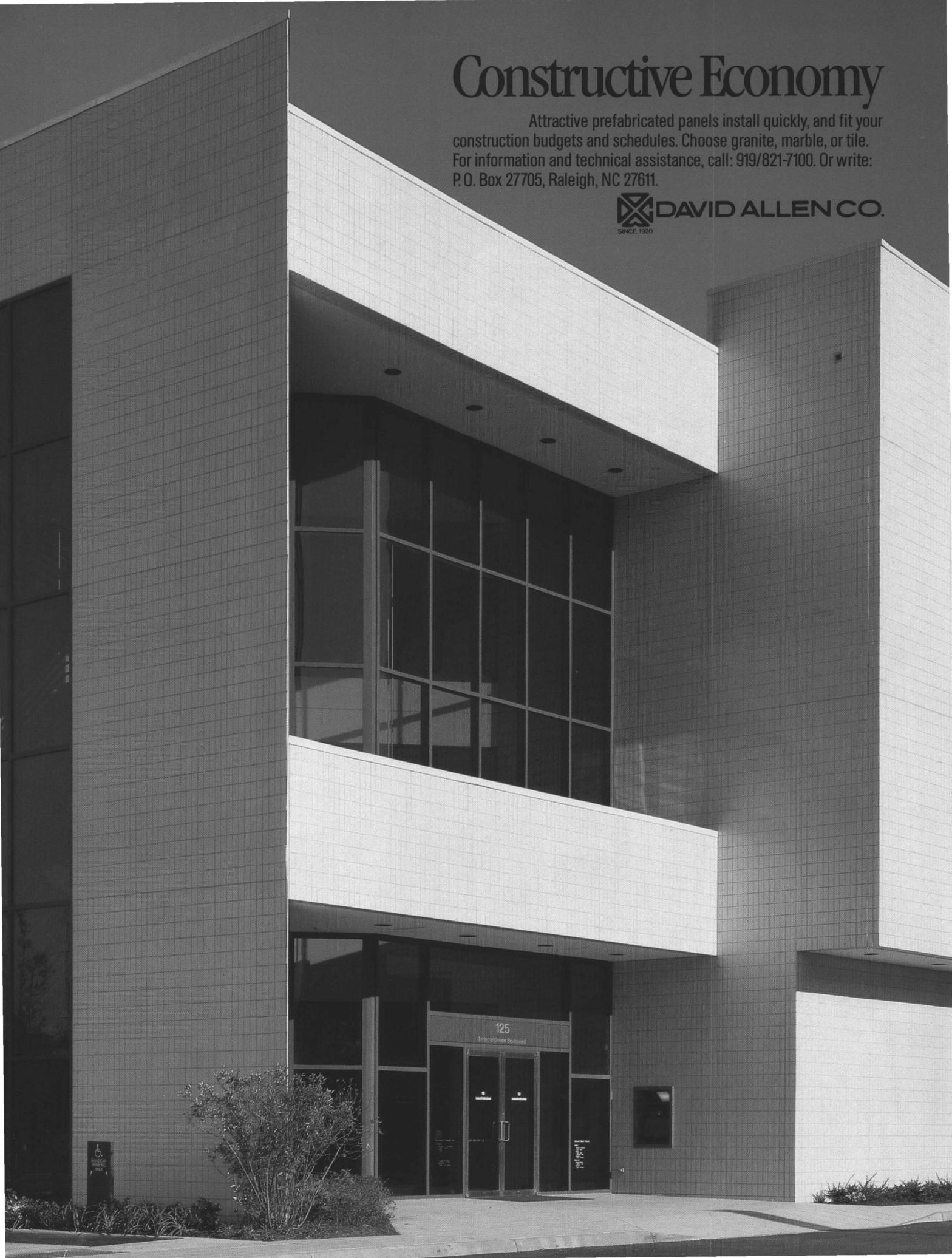


NC Architecture
115 West Morgan Street
Raleigh, NC 27601
919-833-6656

Constructive Economy

Attractive prefabricated panels install quickly, and fit your construction budgets and schedules. Choose granite, marble, or tile. For information and technical assistance, call: 919/821-7100. Or write: P.O. Box 27705, Raleigh, NC 27611.

 **DAVID ALLEN CO.**
SINCE 1920





**ELECTRONIC DATA SYSTEMS: COMPUTER OPERATIONS CENTER
UNIVERSITY RESEARCH PARK
CHARLOTTE, NORTH CAROLINA**

ARCHITECT: JENKINS·PEER ARCHITECTS
DEVELOPER: PIZZAGALLI INVESTMENT COMPANY
GENERAL CONTRACTOR: McDEVITT & STREET COMPANY
MASONRY CONTRACTOR: GLENN W. SIPE & SONS, INC.



BRICK
IN NORTH CAROLINA
ARCHITECTURE



NORTH CAROLINA ARCHITECT

Volume 35, No. 2
March-April 1987

CONTENTS

Cover Story

- 5 Annual Winter Convention

Features

- 6 1987 NCAIA Design Awards
This year's awards, announced at the NCAIA Winter Convention in March, honor a wide variety of projects, including a Girl Scout camp structure, a spec office building and a high-tech laboratory.
- 12 "Modern Architecture: Its Past And Future"
Excerpts from a speech by Michael Sorkin, architectural critic with the *Village Voice*.
- 14 1987 NCAIA Design Awards Entries And Finalists
For the first time, *NORTH CAROLINA ARCHITECT* is including photographs of each entry in the 1987 competition, along with color photographs of the 15 finalists chosen by this year's panel of distinguished judges.
- 34 Three North Carolina Architects Named Fellows

Departments

- 36 Drawing Board

COVER: *This year's NCAIA Design Awards competition attracted 67 entries in nine categories: Office Buildings; Commercial Buildings; Residential; Institutional; Churches; Hospitals; Recreation; Manufacturing and Industrial; and Public Buildings. Photography of entries by Bob Allen, Raleigh.*

PUBLISHER
*North Carolina Chapter
of the American
Institute of Architects*

EDITOR
Ellen F. Grissett

PRODUCTION
DIRECTOR
Tammy Shirley

ART DIRECTION
Razor & Razor, Cary

ADVERTISING
DIRECTOR
Tammy Shirley

EXECUTIVE DIRECTOR,
NCAIA
Lillian Woo

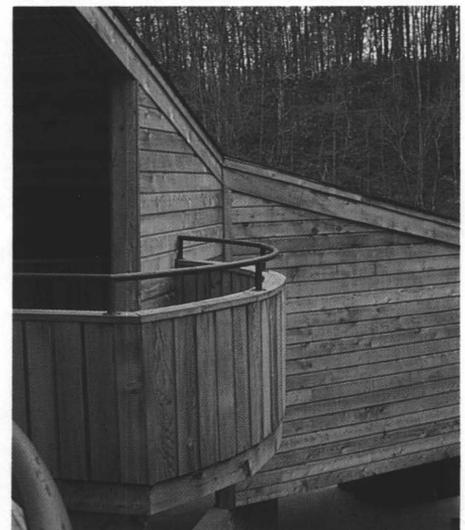
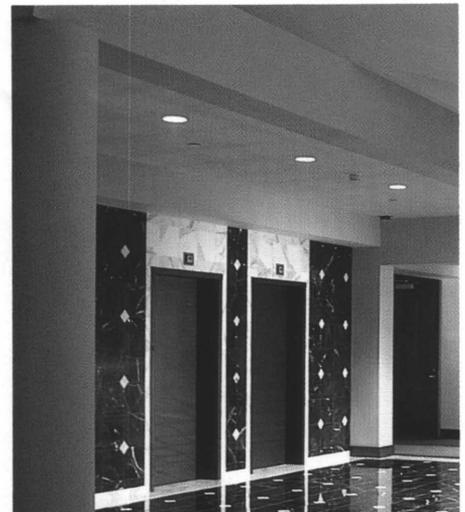
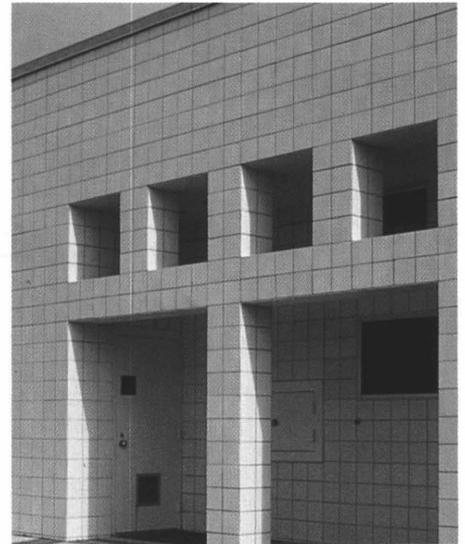
ADMINISTRATIVE
ASSISTANT
Michelle Goode

STAFF SECRETARY
Dawn Bryan

NC ARCHITECT,
ADVISORY BOARD
*Walter T. Vick, III, AIA
Alva H. Ward, III, AIA
John F. Thompson, AIA
Stephen L. Meehan,
Consultant*

PRINTING
Greensboro Printing Company

North Carolina Architect is published six times a year by the North Carolina Chapter of the American Institute of Architects. Advertising and editorial offices are located at 115 W. Morgan St., Raleigh, N.C. 27601. Address editorial, advertising and circulation correspondence to *North Carolina Architect*, 115 W. Morgan St., Raleigh, N.C. 27601. Telephone (919) 833-6656. Subscription rate: \$12 a year for non-NCAIA members. Third class postage (permit number 455) paid at Raleigh, N.C. Copyright 1987 by NCAIA. POSTMASTER: Send Form 3579 to *North Carolina Architect*, 115 W. Morgan St., Raleigh, N.C. 27601.



THE
PROFESSIONALS
KEY



MODELS



Presentation
Boards
Logos
Brochure
Design
Camera Ready
Advertising
Art

ILLUSTRATIONS



GRAPHICS

BY



Bill Wisely

4207 WINDSOR PLACE, RALEIGH, N. C., 27609 - 919 / 782 - 2391

Artisan for a selected clientele.

A/DAN
ARCHITECTURAL MODELS

RALEIGH, N.C.
919/821-1414

HOUSTON, TX.
713/334-1179

**CUSTOM
BRICK CO.**

SERVING RALEIGH and
EASTERN NORTH CAROLINA

VISIT OUR SHOWROOM
COMPLETE DISPLAY
OF SAMPLES

PRODUCTS

FACE BRICK
HAND-MADE BRICK
GLAZED BRICK
GLAZED TILE
PAVERS

SUPPLIERS

*Nash Brick Company
Borden Brick and Tile Company
Hanley Company
Taylor Clay Products Company
Lee Brick and Tile Company
Boren Clay Products Company
Old Virginia Brick Company
Pee Dee Ceramics Company*

1613 Old Louisburg Rd., Raleigh, N.C. Ph. 832-2804

1987 Annual Winter Convention

The annual winter convention of the North Carolina Chapter of the American Institute of Architects was held at Williamsburg, Virginia, March 26-28.

The theme of the convention was "The Business of Architecture," a topic chosen for its relevance to both principals of firms and those members who produce and specify a firm's work.

During the convention, the 1987 NCAIA Design Awards were presented and participants had the opportunity to view the 67 entries in the competition, which are also featured in this issue. In a departure from previous years, the winners were not announced before the convention, and were required to be present at the awards ceremony in order to receive their awards.

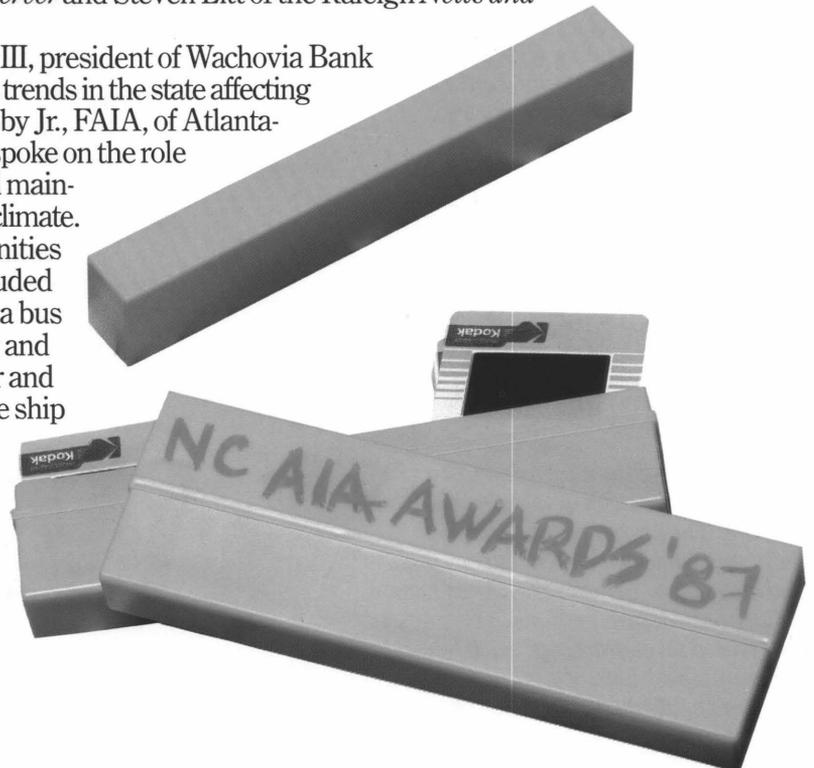
Judges for this year's competition were four New York City-based architects: Edward Larrabee Barnes, FAIA, of Edward Larrabee Barnes & Associates; James Ingo Freed, FAIA, of I.M. Pei and Partners; Steeven Holl, AIA; and James Stewart Polshek, FAIA, of James Stewart Polshek and Partners, who served as chairman of the jury.

A number of speakers contributed their expertise to the winter convention. James S. Polshek, FAIA, dean of Columbia University and principal of the New York firm of James Stewart Polshek and partners, addressed the group on "Architecture and Its Trends." Michael Sorkin, architectural critic with the *Village Voice* in New York City, spoke on "Modern Architecture, Its Past and Future." Excerpts from Sorkin's speech are included in this issue of *North Carolina Architect*.

Also participating as speakers in the winter convention were Ted P. Pappas, FAIA, first vice president with Jacksonville, Florida-based Pappas Associates Architects; Bernard R. Rothschild, FAIA, architectural consultant in Atlanta, Georgia; and two architectural critics with state newspapers, Richard Maschal of the *Charlotte Observer* and Steven Litt of the *Raleigh News and Observer*.

Also, John F. McNair III, president of Wachovia Bank and Trust, spoke on economic trends in the state affecting architects, while John A. Busby Jr., FAIA, of Atlanta-based Jova, Daniels, Busby spoke on the role of the state in developing and maintaining a favorable economic climate.

Recreational opportunities at the winter convention included golf and tennis tournaments; a bus trip to Colonial Williamsburg and Lightfoot Pottery; and dinner and music one evening on a cruise ship sailing from Norfolk harbor.



Project:
Laboratory
Raleigh, N.C.

Architect:
J.N. Pease Associates

Owner:
Charles River Laboratories Inc.

General Contractor:
T.A. Loving Co.

Photographer:
Aerial Photography Services Inc.

Architect's Synopsis:

The new facility was to be a "flagship" operation for the corporation, which is the world's largest producer of viral antibody free animals, and was designed to accommodate visitors from the scientific community. Administration and the first 10 production rooms were grouped around mechanical, electrical, plumbing, cooling towers and a silo at the east end of Phase I, with Phase II visualized as a mirror-image duplication of Phase I, from the common elements eastward. Production rooms run north/south from each side of a center east/west spine, putting employee and service/loading access on the outside.

The project is steel frame construction with glazed masonry wall units; glazing is glass block and aluminum curtain wall. The roof construction is metal deck with composite concrete. Mechanical/electrical systems are important elements of the overall approach to dealing with the "viral free" requirements, with a twin-cell "Kathabar System" for energy recovery and treatment of the exhaust/supply air a major roof element to be considered in the design. The upper level of the spine contains a pneumatic system for waste product removal; above the system runs a variety of life-support systems, including tempered and ventilating air, water, power, special chemicals/sterilizer, etc.

Judges' Comments:

The plan was one of the most calm, cool and rational of any we saw in almost any kind of building. The abstract use of a limited palate of materials was dependent on careful and attentive construction, which in turn must have been dependent upon a very highly refined set of drawings. Such buildings require a high level of craftsmanship... The chimneys...were...a wonderful counterpoint to the coolness of the white grid that represented the building.

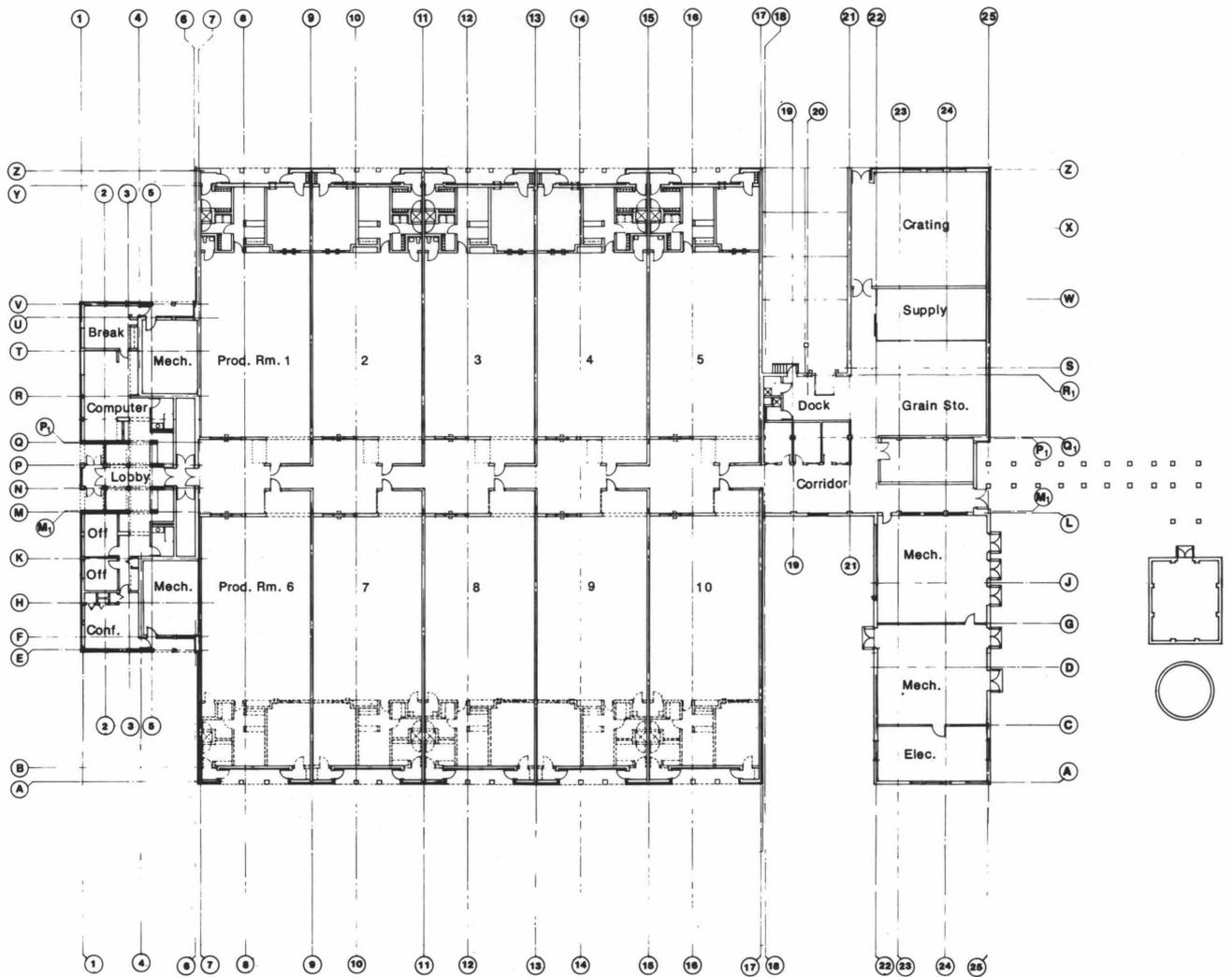
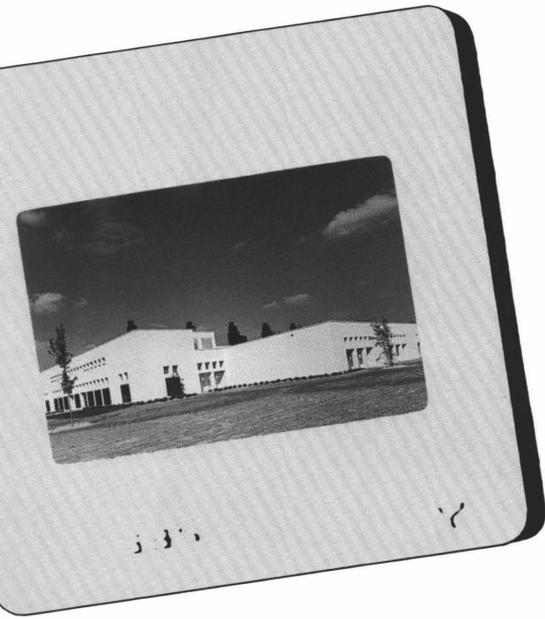
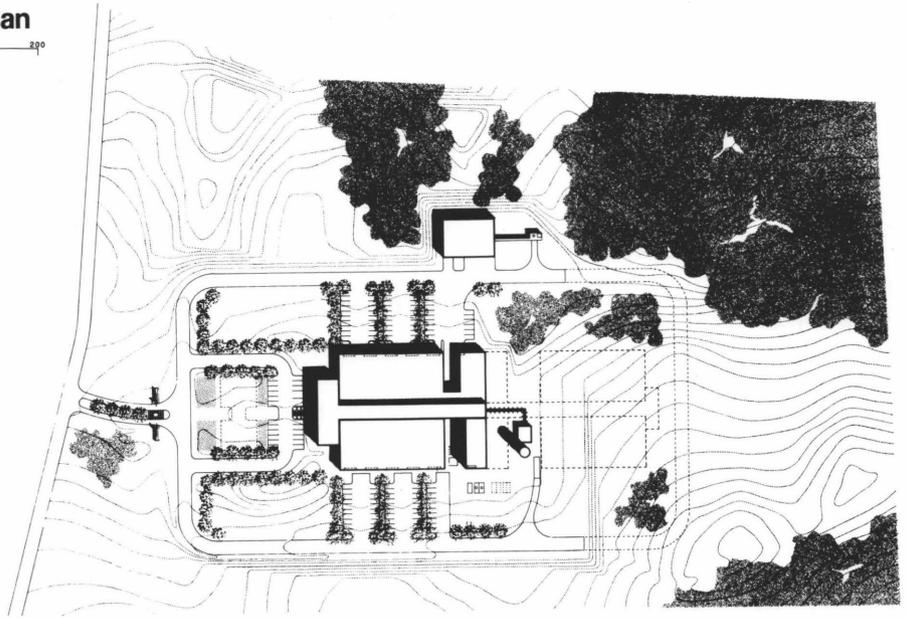


Winners

NC AIA AWARDS

Site Plan

0 25.00 100 200



Floor Plan

0 4 8 16 32 64

Project:
Office Building
Raleigh, N.C.

Architect:
Jenkins-Peer Architects PA

Owner:
Westchase Development Corp.

General Contractor:
McDevitt & Street Co.

Photographer:
Jim Sink, Artech; Dennis Nodine

Architect's Synopsis:

The developer requested a design with maximum visual impact from the adjacent interstate for this, the first building in a new office park. Therefore, the simple rectilinear form is broken on the north side by two curved surfaces, positioned by computer studies for maximum visibility. The curved forms respond to the sweeping movement of the interstate and are extended into the two-story lobby generating its form.

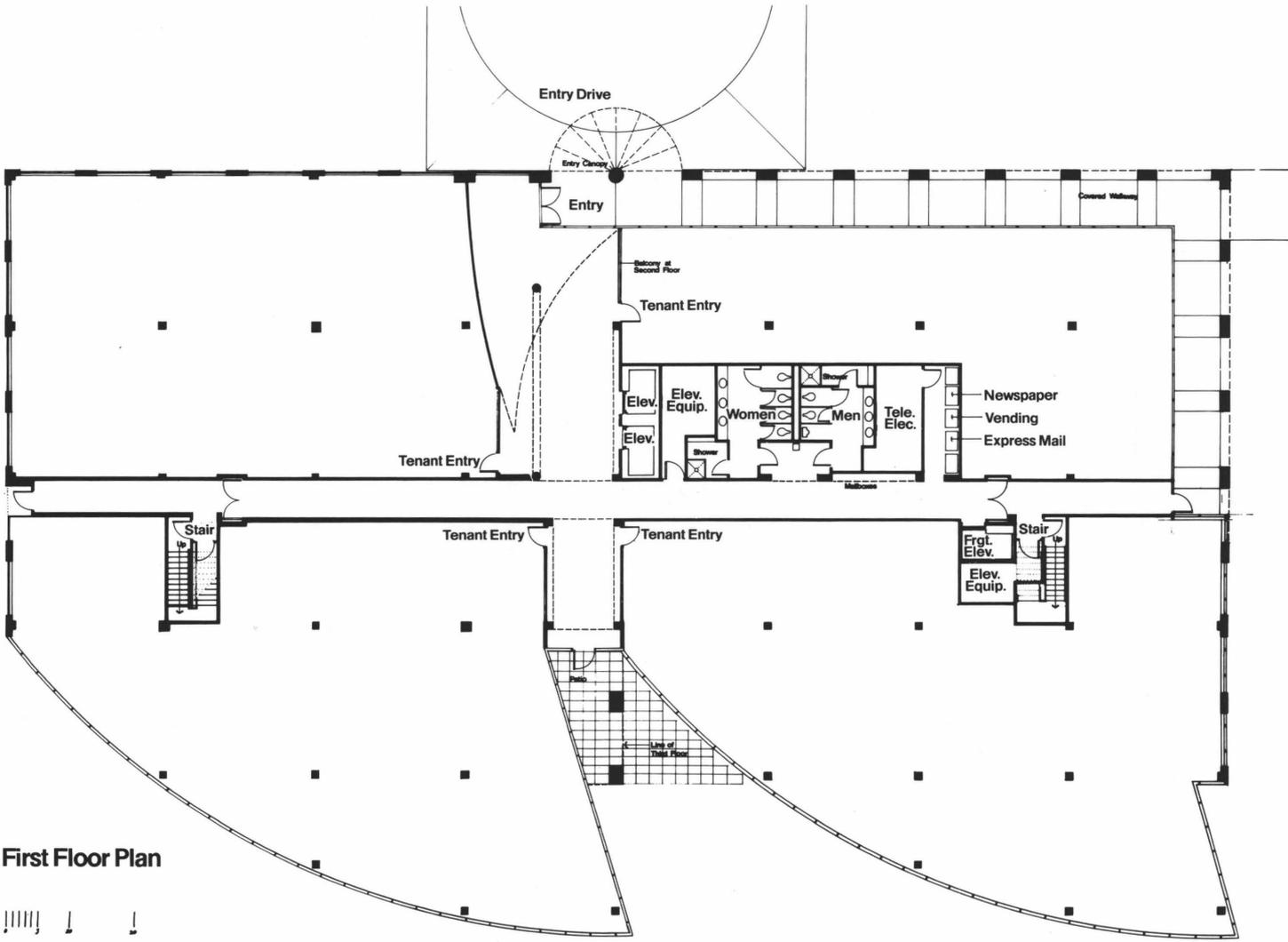
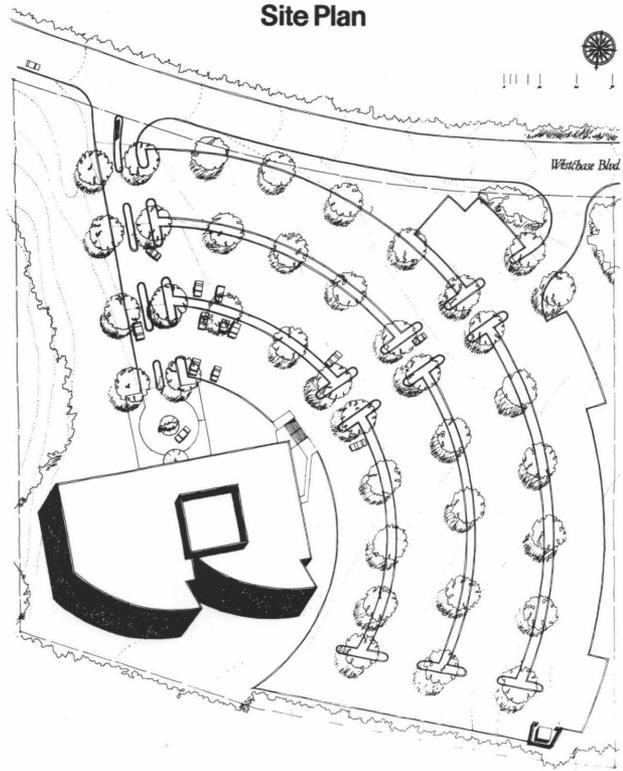
The exterior is of precast concrete panels with marble and granite aggregate with an aluminum curtainwall system with radiussed mullion face caps and reflective glass. Interior materials include drywall, acoustical tile, carpet and marble walls/flooring in lobby. Structural system is steel; mechanical system is a microprocessor-based variable air volume system.



Judges' Comments:

The jury was unanimous with respect to... the clarity of its central organizing idea. It also was impressed at the gesture of the plan with respect to the freeway. It was also of interest and commended for the way in which double cusps plan in the design of the interior were integrated. The clarity of the attitude with respect to both the masonry skin and its glass envelope was excellently resolved. The one weakness or...lack of understanding, was the handling of the intersection of the two forms where a piece of the precast skin reappeared as if disembodied in the rest of the building...A minor negative comment was the design of the interior lobby floor and walls utilizing a particular diamond form that would have been more comfortable in a historicist's building and then not distinguishing between floor and wall...The "keystone" shaped beam which emphasized the reemergence of the curvilinear floor above the entrance lobby was applauded...The building did not receive its award because of its isolation but rather because of the way it utilized its isolation.

Site Plan



Project:
Recreational Facility
Camp Pisgah, Brevard, N.C.

Architect:
Barney P. Woodard Jr.

Owner:
Pisgah Girl Scout Council Inc.

General Contractor:
K&J Construction Co. Inc.

Photographer:
J. Weiland

Architect's Synopsis:

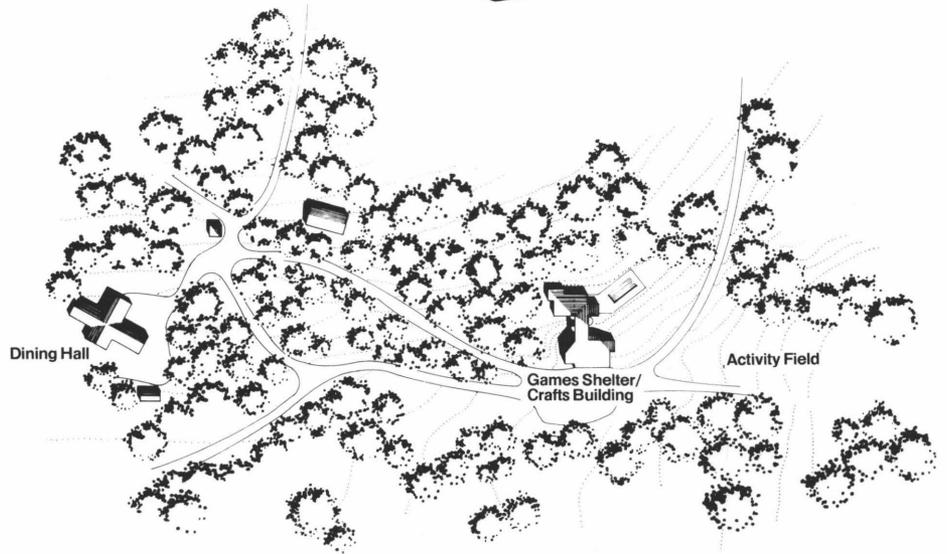
The facility, a games/arts and crafts shelter for a Girl Scout camp, required spaces suitable to a variety of activities within an easily constructed building harmonious with both site and existing architecture. The space for louder, more active pursuits as well as visitor accommodation is reached first, followed by space for quiet activities on the next level. Private staff requirements are provided for at the upper level.

The exterior is composed of wood frame with Western red cedar siding; the interior is finished with rough-sawn plywood. The roof is composed of fiberglass shingles and aluminum flashing. Heating is via electric base-board units and fireplace; ventilation is natural.



Judges' Comments:

Immediate unanimity about the intelligence of so modest a building. The relationship of solids to voids, the simultaneity of clarity of structure and ambiguity of structure, that is, relationships of columns and beams to planes of walls was found to be extremely interesting. The hovering roof, its "Girl Scout" color and the minimal means used to achieve a complex solution with what appeared to be an extremely limited budget was commented on. The only negative comment...was that the use of the circular forms that appeared to be balconies or landings of stairs appeared to be out of character with the orthogonality of the plan and the diagonality of the roof...



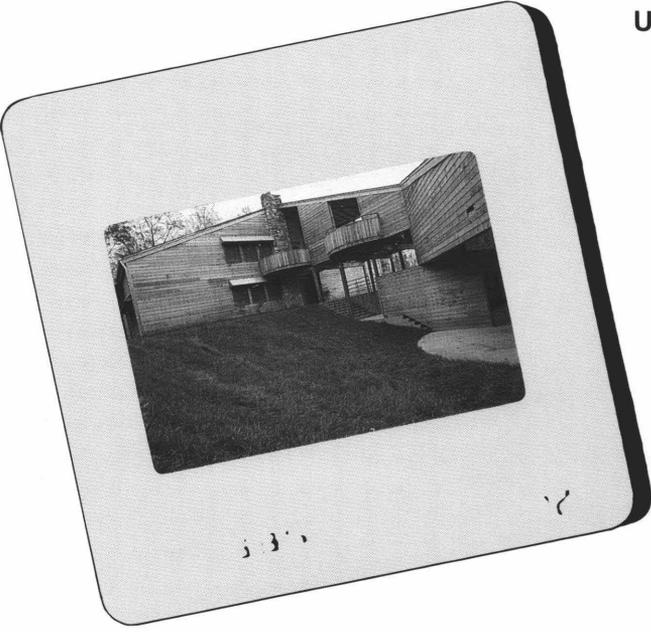
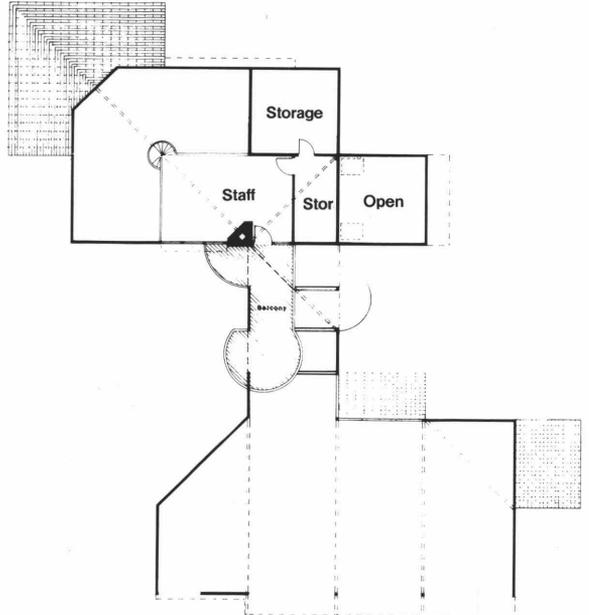
Site Plan



Main Level Plan



Upper Level Plan



Building Section





“Modern Architecture: Its Past And Future”

The following are comments made by Michael Sorkin, architectural critic for the *Village Voice*, during his speech at the annual NCAIA winter convention.

Sorkin began by explaining what he saw as his role at the convention. “I want to speak to you this afternoon less as a writer than as an architect, among other architects,” he said, “and say to you that what me and my dream are, I think, about is trying to contrive a kind of resistance to what I see as architecture’s participation in its own marginalization.”

He continued, “I think the scene is dominated nowadays by a kind of Reagan architecture. What would you call it? Capitalist realism. An architecture that participates in the same attempts to collapse contradictions, that the administration in the White House proffers to us on a daily basis.”

In Sorkin’s view, “The ethic of ‘anything goes’ I think is substantial architecture’s worst enemy.... Which gives rise to an architecture of drift, rather than an architecture of direction.

“Now, our old friends the surrealists, in Paris, used to play a game called the ‘Exquisite Corpse.’ I think you all know this game.... A folded paper played by several people, who compose a sentence or a drawing without anyone seeing collaboration.... If somebody draws something on a scrap of paper and turns it over and hands it to the next person who draws something and passes it down the line and the paper is unfolded and the completed composition is revealed for the

first time. The now-classic example which gave the game its name was drawn from the first sentence that was obtained this way, which was, ‘The exquisite corpse will drink wine.’ This game was held in fairly considerable esteem in Paris,” Sorkin said.

He admitted that he had “been preoccupied” with the game for a long time because “it seems to me to go to the heart of many, many aspects of the way in which we construct culture nowadays. The esthetic unreason of this game is simultaneously appalling and extremely symptomatic. It’s a game that demands that sets somehow be composed on the random or the arbitrary. More than that, what it amounts to is a system for neutralizing disparity.”

Sorkin described himself to the audience as a modernist. “To me, modernism is a preoccupation with a transformative role vis à vis culture.... The roots of modernism are wrote in the soil of social purpose,” he continued. “This understanding is radically linked to the modernist way of inventing, comprehending and manipulating the protocol. Modernism at its most profound is not simply a shallow positivistic embrace of the narrowly new.”

According to Sorkin, the development of modern architecture coincided with, among other things, the “growth of a set of progressive ideologies on the one hand and the global expansion of the capital on the other hand.”

Sorkin said he believed that post-

modernist architects have “put themselves in a condition of essential social services. Eliminating architecture is admittedly tenuous potential to act as a point for rendering the possibilities from social transformation...of a denial of the possibility of architecture artistically.”

He called current architecture “almost completely conservative,” and was further concerned by what he saw as a fixation with the historical and “the eradication of architecture as a real possibility in the world.”

Sorkin went on to explain the basis for his concern, that the main thrust of today’s post-modernism is “not the creation of architecture but its simulation of Phillip Johnson drifts from using the Gothic to the Mediterranean...just as Mr. T devolutes into successive versions of himself as wrestler, as cartoon, as doll, as whatever.”

Sorkin defined the meaning of architecture in culture as “convention and intrinsic. But no matter how labored the replication, it’s clear that memory and memorex are different and any act of retrieval inevitably requires the imposition of a new purpose.”

Sorkin summed up his speech by again defining the meaning of, and challenges facing, post-modern architecture.

“Post-modernism instructs the world in the image of surrealism, of destabilizing via fragmentation,” he said. “If architecture is to finally survive...it needs to return, I think, to the leading edge of what is truly new.”

General Comments

Lack of contextual evidence...In almost every submission, the photographs and/or site plans referred only to the immediate environs of the project...Little attempt to indicate how the building project could or did solve or even address larger problems of the locale in addition to those of the particular client that the building was serving.

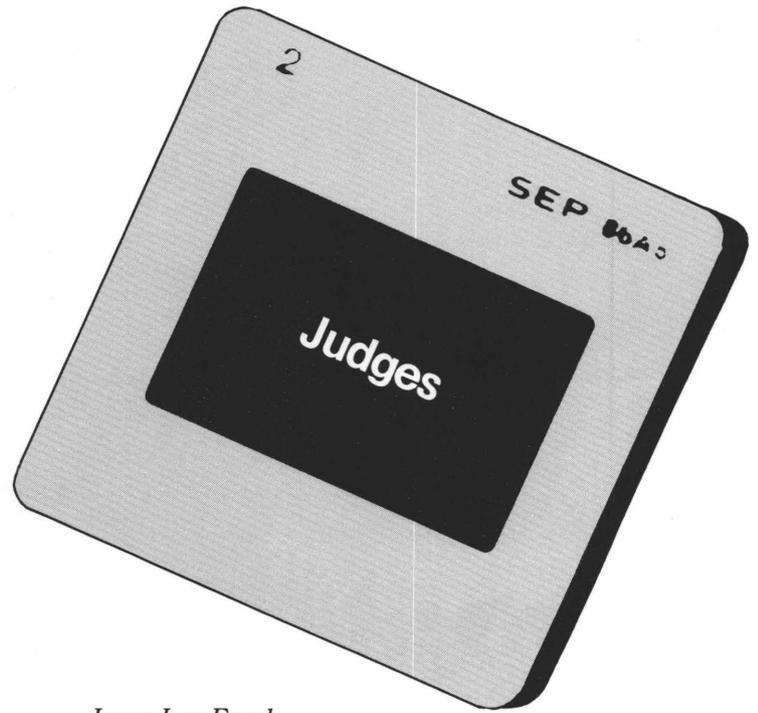
In general...one of the strongest categories was that of the commercial office building, usually the weakest in most submissions. There seemed to be a sense of stylistic confusion, a lack of conviction and frequently a response to this was an over resolution of the building forms. The jury was not concerned with style but rather the basic issues such as the proportion and scale, consistency of idea and contextual fit.

Steven Holl

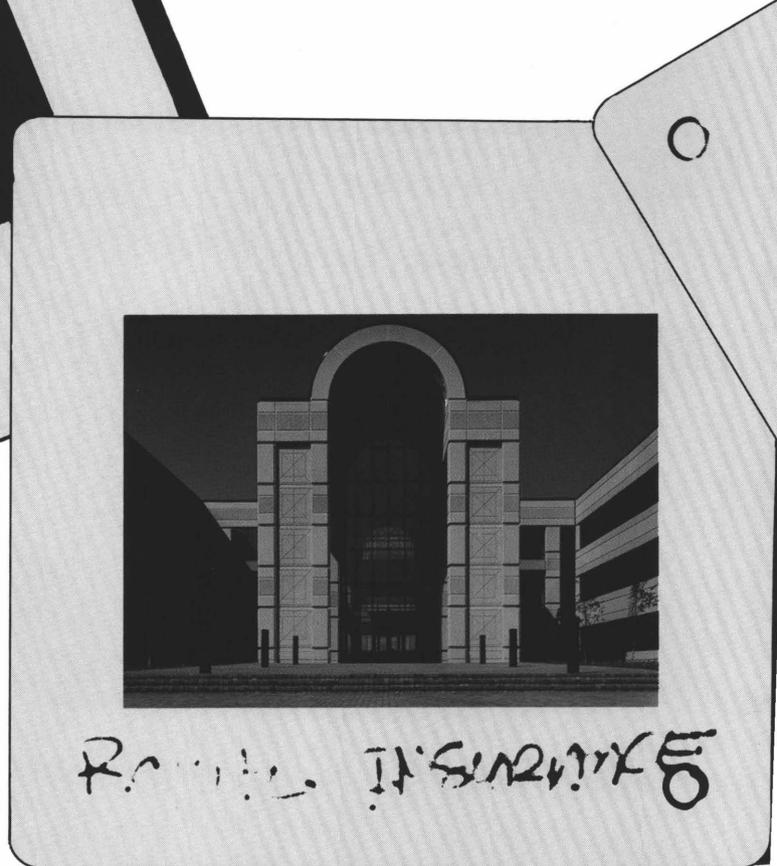
Edward Larrabee Barnes

James Ingo Freed

James Stewart Polshek

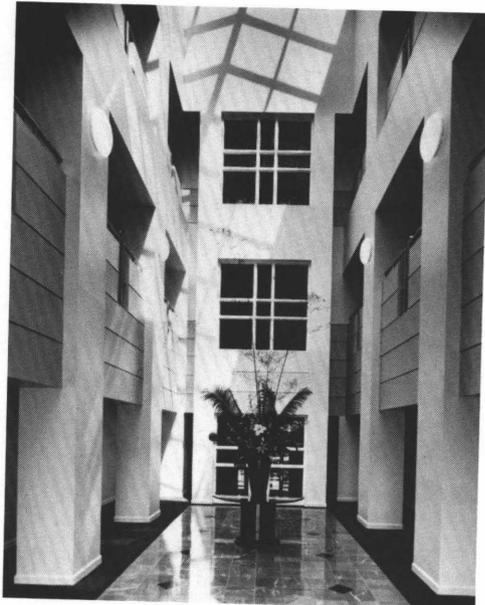


Entries & Finalists



Finalist

1



1. 600 South College Building,
Charlotte;
Dellinger/Lee Associates,
Charlotte.
2. Royal Insurance Corp.
Headquarters,
Charlotte;
Odell Associates,
Charlotte.
3. Domino's Pizza
Regional Headquarters,
Durham;
Philip Szostak Associates,
Chapel Hill.
4. Firetrol Inc.
Corporate Offices
and Manufacturing Facility,
Cary;
D. W. Wolfe and Associates Inc.,
Raleigh.
5. New Bern-Craven County
Board of Education
Administration Building,
New Bern;
Stephens & Francis PA,
New Bern.
6. Mark Center,
Alexandria, VA;
Clark Tribble Harris and Li,
Charlotte.
7. Northern Telecom
Office & Manufacturing Plant,
Durham County;
Envirotek Inc.,
Raleigh.



5





8. Besser World Headquarters,
Alpena, MI;
Bruce Johnson,
Innovative Design Inc.,
Raleigh.

9. Freeman-White
Office Building,
Charlotte;
The Freeman-White Associates Inc.,
Charlotte.

10. Systems Associates Building,
Charlotte;
Murray Whisnant/Architects,
Charlotte.

11. Gantt-Huberman Offices,
Charlotte;
Gantt Huberman Architects,
Charlotte.

8

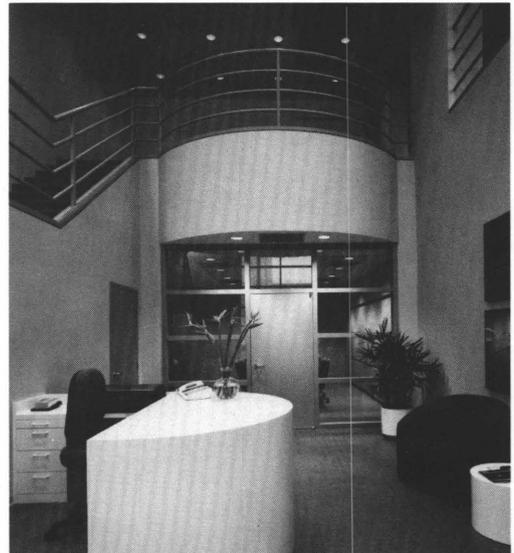


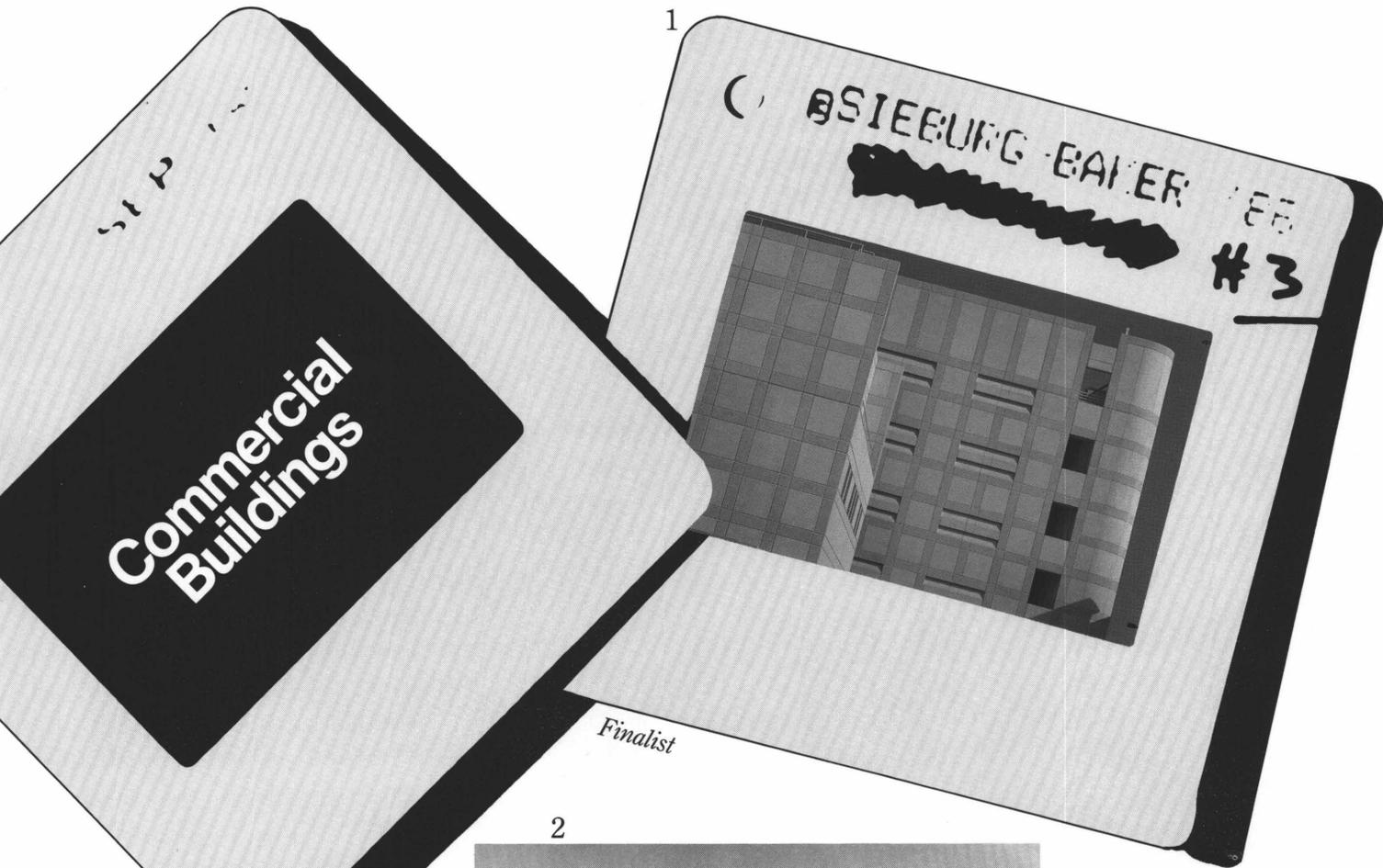
9

10

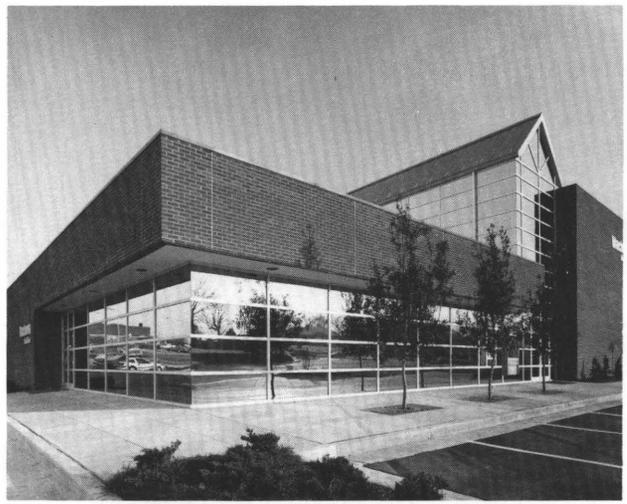


11





Finalist



3



- 1. Duke Power
Computer Center,
Charlotte;
J.N. Pease Associates,
Charlotte.
- 2. Wachovia Bank & Trust Co.
Facility,
Monroe;
Hammill-Walter Associates,
Winston-Salem.
- 3. Morgan Blount Center,
Raleigh;
Clearscapes Architecture,
Raleigh.

4



4. Wachovia Bank & Trust Co.
Facility,
Gastonia;
Hammill-Walter Associates,
Winston-Salem.

5. Streetcar Station,
Charlotte;
Murray Whisnant/Architects,
Charlotte.

6. First Union National
Bank Facility,
Mt. Airy;
Hammill-Walter Associates,
Winston-Salem.

5



6



7



7. Wachovia Bank & Trust Co.,
University Place,
Charlotte;
Hammill-Walter Associates,
Winston-Salem.

10. Charlotte City and Fire Dept.
Credit Unions,
Charlotte;
R.L. Rash Associate,
Charlotte.

8. Wachovia Bank & Trust Co.
Lobby,
Winston-Salem;
Hammill-Walter Associates,
Winston-Salem.

11. Reynolda Village,
Winston-Salem;
Edwin Bouldin Architect PA,
Winston-Salem.

9. The Waterfront,
Manteo;
Ferebee Walters & Associates,
Research Triangle Park.

8



10



9



11





1



2



3 Finalist



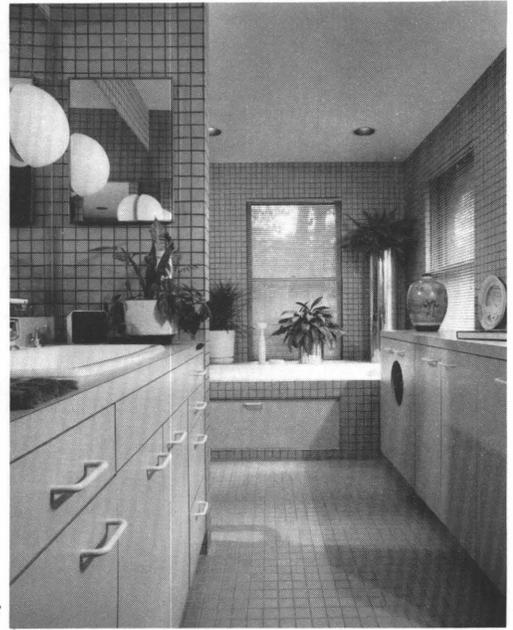
1. Nathan Residence,
Waynesville;
Dail Dixon & Associates,
Carrboro.
2. Atkinson Residence,
Matthews;
Atkinson/Dyer Architects PA,
Charlotte.
3. The Stables,
Orange County;
Philip Szostak Associates,
Chapel Hill.



5

4. Oakmore on Selwyn,
Charlotte;
David Furman/Architecture PA,
Charlotte.

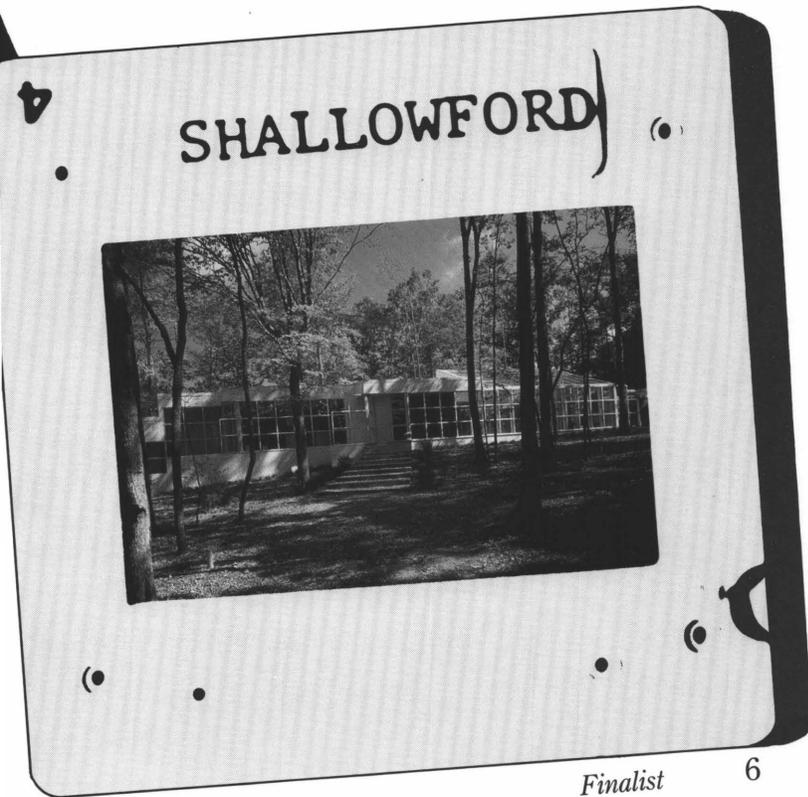
5. 601 Queens,
Charlotte;
David Furman/Architecture PA,
Charlotte.



7

7. Bedroom/Bathroom
Renovation,
Charlotte;
Gantt Huberman Architects,
Charlotte.

ist 4



Finalist

6

6. Shallowford Cliffs,
Lewisville;
Edwin Bouldin Architect PA,
Winston-Salem.

9. Portside,
Davidson;
David Furman/Architecture PA,
Charlotte.



8

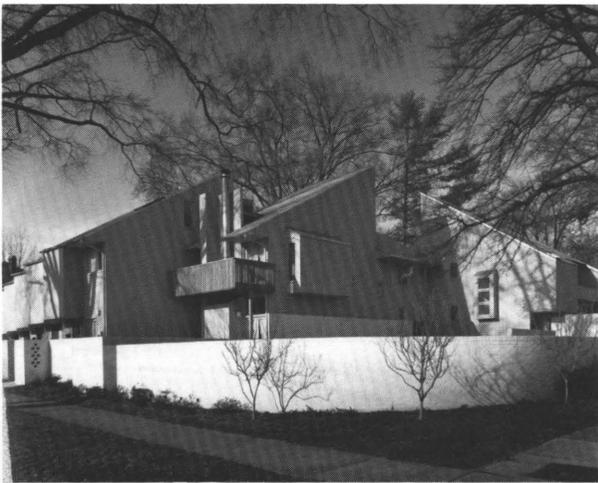
8. Private Residence,
Chapel Hill;
Dail Dixon & Associates,
Carrboro.



9



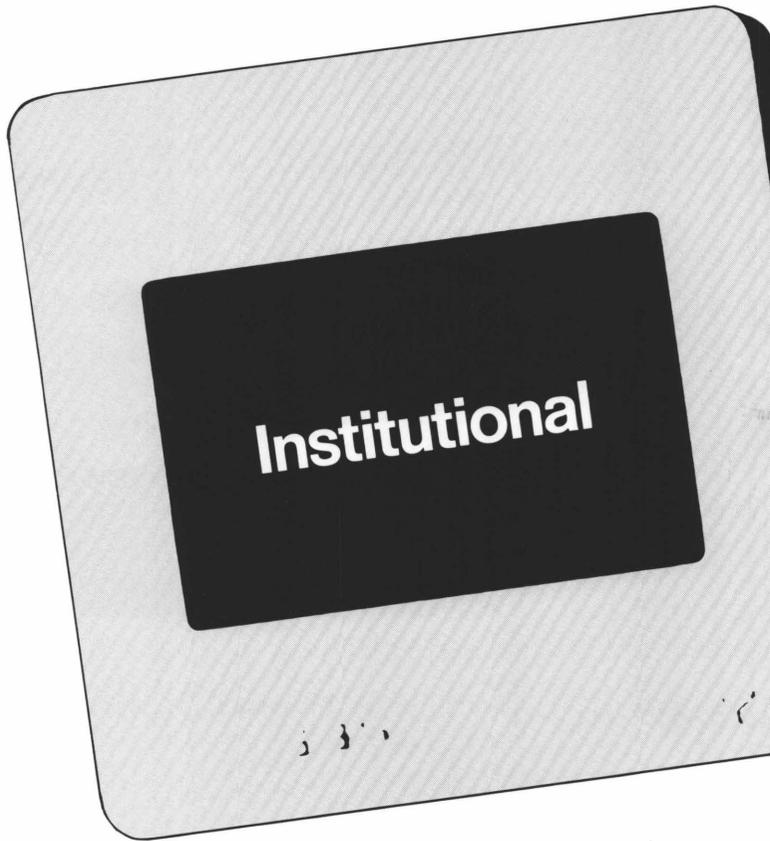
10 2300 Roswell,
Charlotte;
David Furman/Architecture PA,
Charlotte.



11 Park Ave. Mews
Condominiums,
Charlotte;
Murray Whisnant/Architects,
Charlotte.



12 Stony Point Clubhouse,
Richmond, VA;
David Furman/Architecture PA,
Charlotte.



2. Student Dorms,
Phase V,
UNC-Charlotte;
Gantt Huberman Associates,
Charlotte.



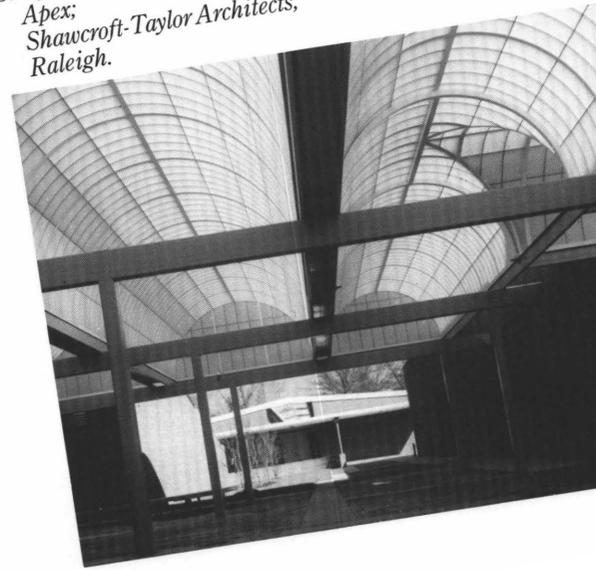
Finalist

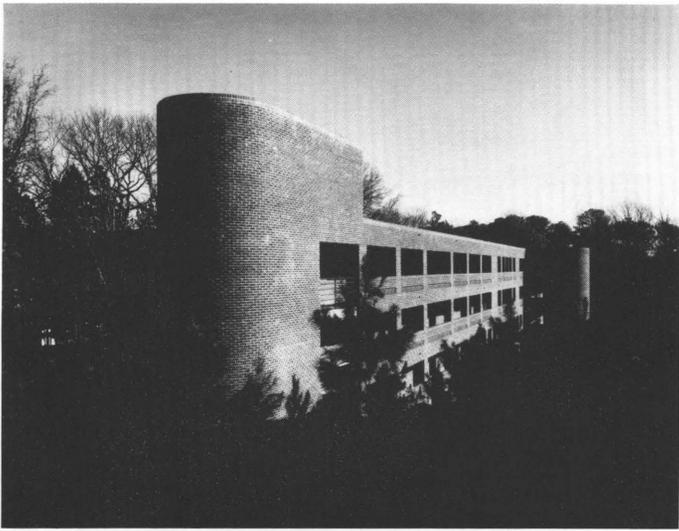


Finalist

1. Kenan Center,
University of North Carolina,
Chapel Hill;
O'Brien/ Atkins Associates PA,
Research Triangle Park.

3. Apex Middle School,
Apex;
Shawcroft-Taylor Architects,
Raleigh.

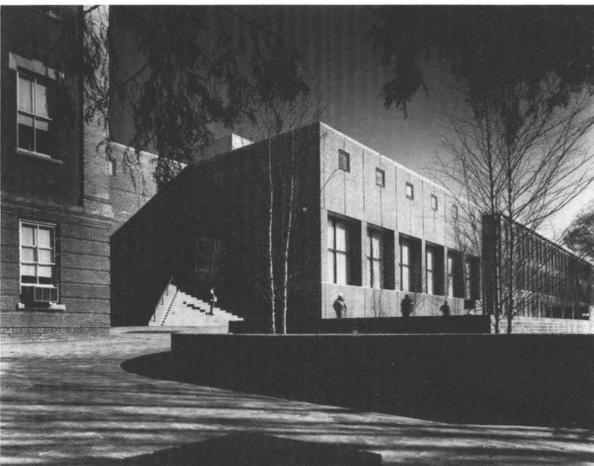




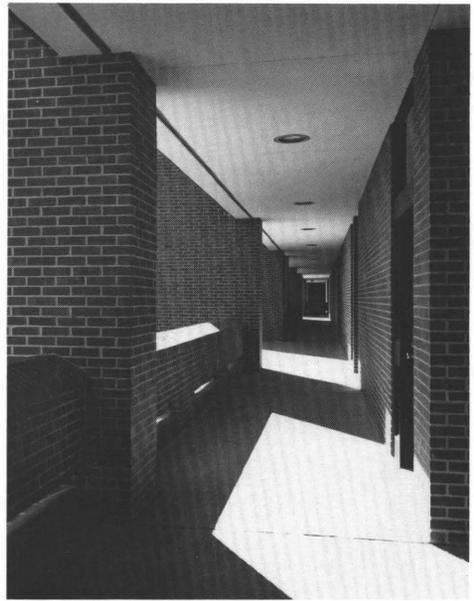
4 South Residence Hall,
N.C. State University,
Raleigh;
*Clark Tribble Harris
and Li Architects PA,
Charlotte.*



5 Campus Courtyards,
N.C. State University,
Raleigh;
*Edwin F. Harris Jr.,
University Architect.*



6



7

6. Addition/Renovations,
School of Humanities
and Social Sciences,
N.C. State University,
Raleigh;
*J.N. Pease Associates,
Charlotte.*

7. Bostian Hall,
N.C. State University,
Raleigh;
*F. Carter Williams Architects PA,
Raleigh.*

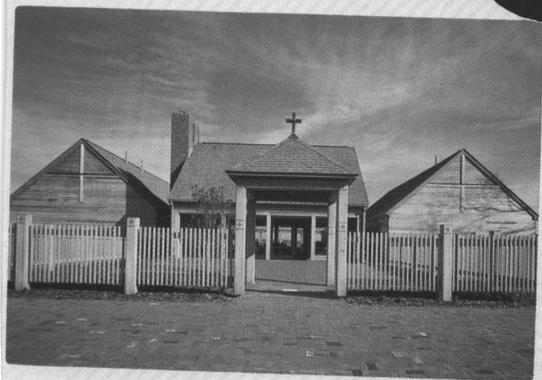
8. Agricultural Research Lab,
N.C. State University,
Raleigh;
*O'Brien/Atkins Associates PA,
Research Triangle Park.*

8



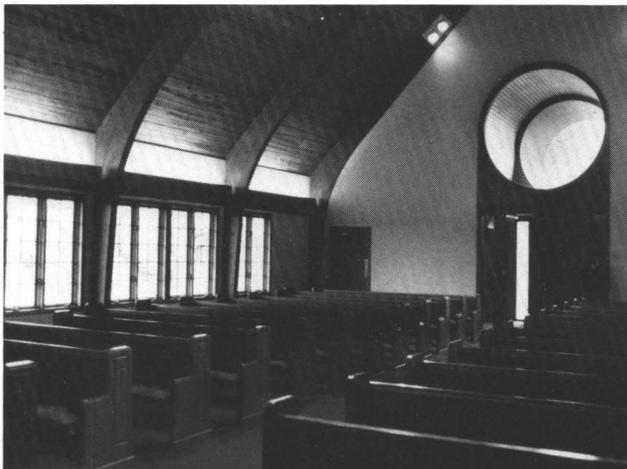
Churches

1. Diocesan House,
Kinston;
McClure-NBBJ Inc.,
Raleigh.

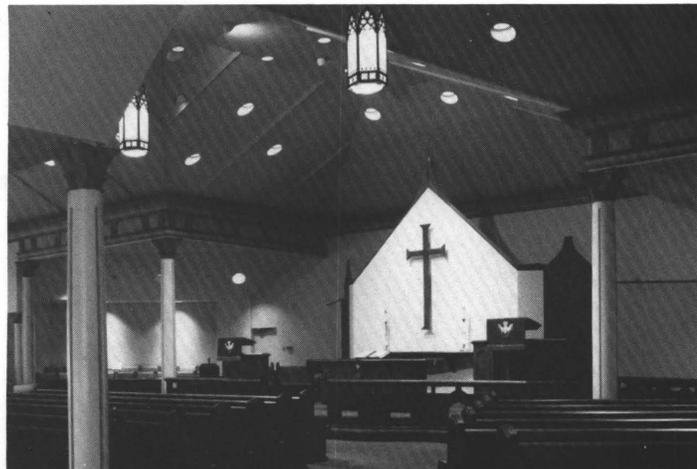


Finalist

3. Mt. Zion
United Methodist Church,
Norwood;
The Freeman-White Associates Inc.,
Charlotte.



4. Renovations/Additions,
Mt. Olivet
United Methodist Church,
Manteo;
Stephens & Francis PA,
New Bern.



Finalist

2. Messiah Lutheran Church,
Charlotte;
Murray Whisnant/Architects,
Charlotte.



2

4



1 Metrolina
Family Practices Clinic,
Charlotte;
Jenkins-Peer Architects,
Charlotte.

2 High Point
Regional Hospital,
High Point;
The Freeman-White Associates Inc.,
Charlotte.



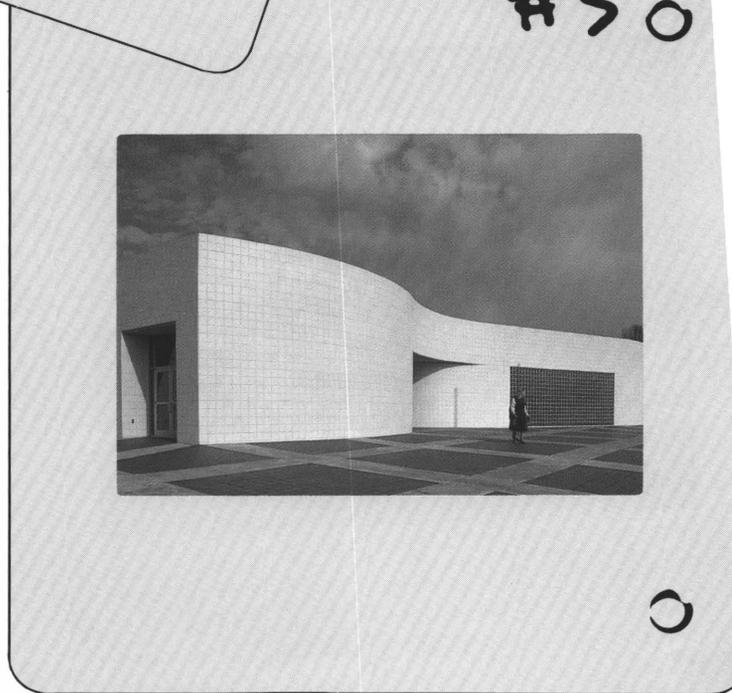


Finalist

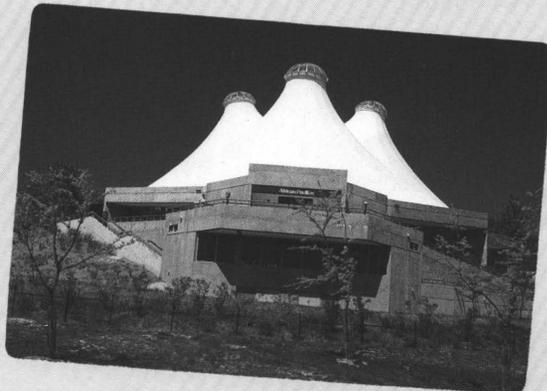
#30



Finalist 1



Finalist 3



APR 86AI MRCO PHOTO BY

1. Winston Lake YMCA,
Winston-Salem;
Gantt Huberman Architects,
Charlotte.

2. I-77 Welcome Center,
Charlotte;
J.N. Pease Associates,
Charlotte.

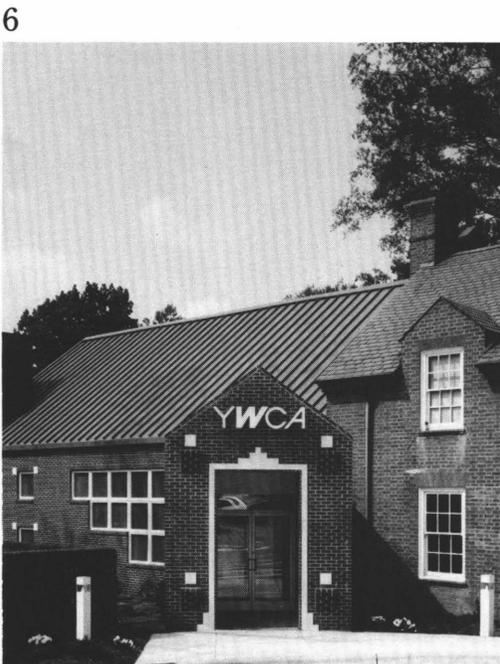
3. African
Controlled Environment Structure,
N.C. Zoological Park,
Asheboro;
Hayes Howell & Associates,
Southern Pines.



4



5



6

4. Hodgestown
Neighborhood Day Care Center,
Roanoke Rapids;
McClure-NBBJ Inc.,
Raleigh.

5. Visitor Center,
Elizabeth II,
Manteo;
McClure-NBBJ Inc.,
Raleigh.

6. YWCA,
Winston-Salem;
Edwin Bouldin Architect PA,
Winston-Salem.

7. Charles A. Cannon
Complex,
Wingate College,
Wingate;
Meyer•Greeson
Architecture Interior Designer,
Charlotte.

7



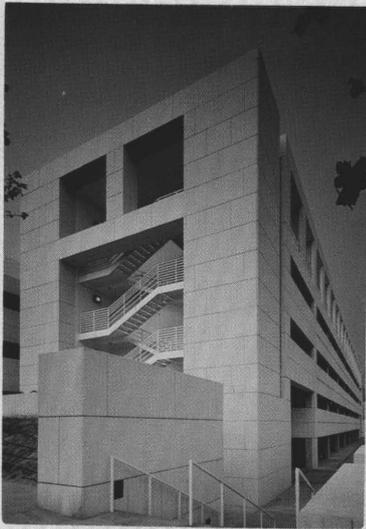
2 Finalist

6



1 Finalist

#3



PHOTO

3



4



1. Charlotte-Mecklenburg
Government Center
Parking Structure,
Charlotte;
J.N. Pease Associates,
Charlotte.

2. Philip Morris
Cigarette Manufacturing Facility,
Concord;
Herbert Beckhard
Frank Richlan & Associates,
New York, NY.

3. Thurston Aviation F.B.O.,
Charlotte;
The Freeman-White Associates Inc.,
Charlotte.

4. Piedmont Aviation
Office/Hangar,
Winston-Salem;
Hammill-Walter Associates Inc.,
Winston-Salem.



3

1



4



2



5





S P



3



SEP 1981

1. New Hanover County
Judicial Building,
Wilmington;
Ballard, McKim & Sawyer,
Wilmington.

2. Arts Center
of Catawba Valley,
Hickory;
Clemmer Bush Sills Abernethy,
Hickory.

3. Restoration,
Madison County Courthouse,
Marshall;
Woodard and Roberts Architects,
Asheville.

4. Mint Museum of Art,
Charlotte;
Clark Tribble Harris
and Li Architects,
Charlotte.

5. Forsyth County
Public Library,
Winston-Salem;
Calloway Johnson Moore PA,
Winston-Salem.

ENTER THE NEW WORLD OF ARCHITECTURE

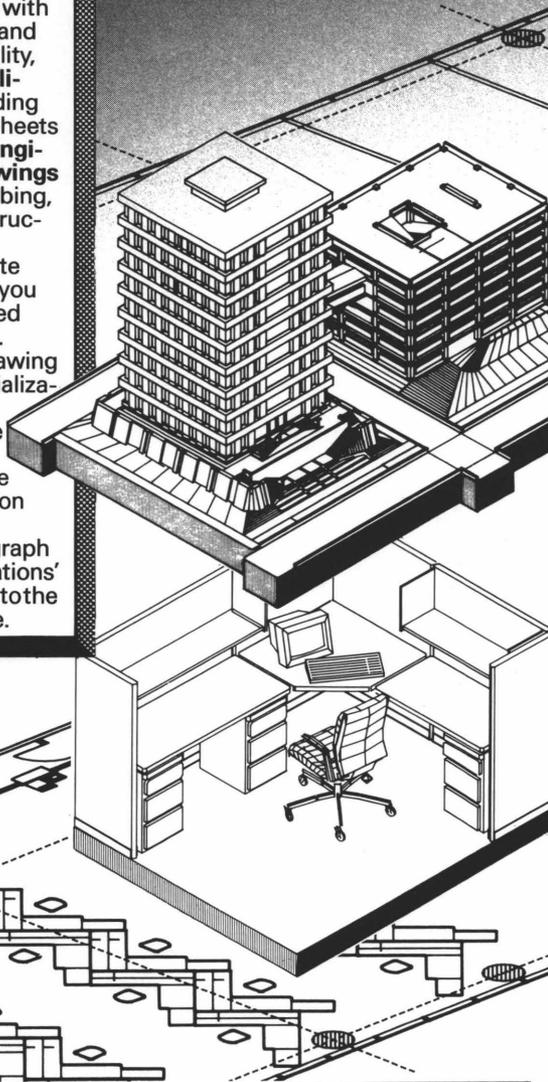
With Autographics. We make architecture more productive and profitable. We offer you access to the state-of-the-art Intergraph CAD system with advanced software for special architectural applications for as little as \$3,600.

Discover our computerized architectural capabilities including **3-D modeling** with walk through and variable light source features, **architectural production drawings** for floor plans, reflected ceilings, details, elevations, and site plans with automatic dimensioning and materials take-off capability, **space planning and facilities management** including furniture vendor catalog sheets and blocking plans, and **engineering production drawings** including electrical, plumbing, mechanical, HVAC and structural disciplines.

And, through our remote timesharing capabilities, you can call on our experienced staff for 24-hour support.

We also specialize in drawing conversion, database initialization, and consultation, advising you on hardware and software selections. We offer custom software development and hands-on training.

Find out how our Intergraph systems and CAD applications' experience can take you into the new world of architecture.



Intergraph is a trademark of Intergraph Corporation.

*Autographics*TM
THE CAD SERVICES COMPANY

108 South Blount Street • Raleigh, North Carolina 27601 • (919) 828-3858
(Post Office Box 25336, Raleigh, North Carolina 27611)



Cherokee Design Materials

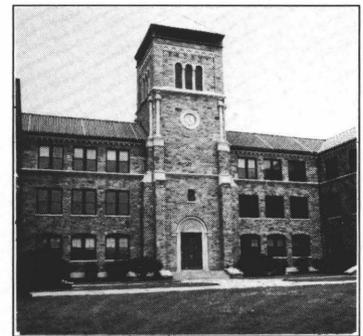
A division of
Cherokee Brick Company
of North Carolina

North Carolina's Largest Distributor of Architectural Products:

- Face Brick
- Paving Brick
- Glazed and Unglazed Tiles
- Terra Cotta Veneer and Coping
- Colored Mortars and Agents

520 Brickhaven Drive, P.O. Box 33629,
Raleigh, N.C. 27606
919-828-0541
Toll Free N.C. 1-800-662-7087

SEASON • ALL Aluminum Retrofit Windows



For energy efficient,
custom-fit, replacement
windows, call North
Carolina's window expert...

800-472-7274

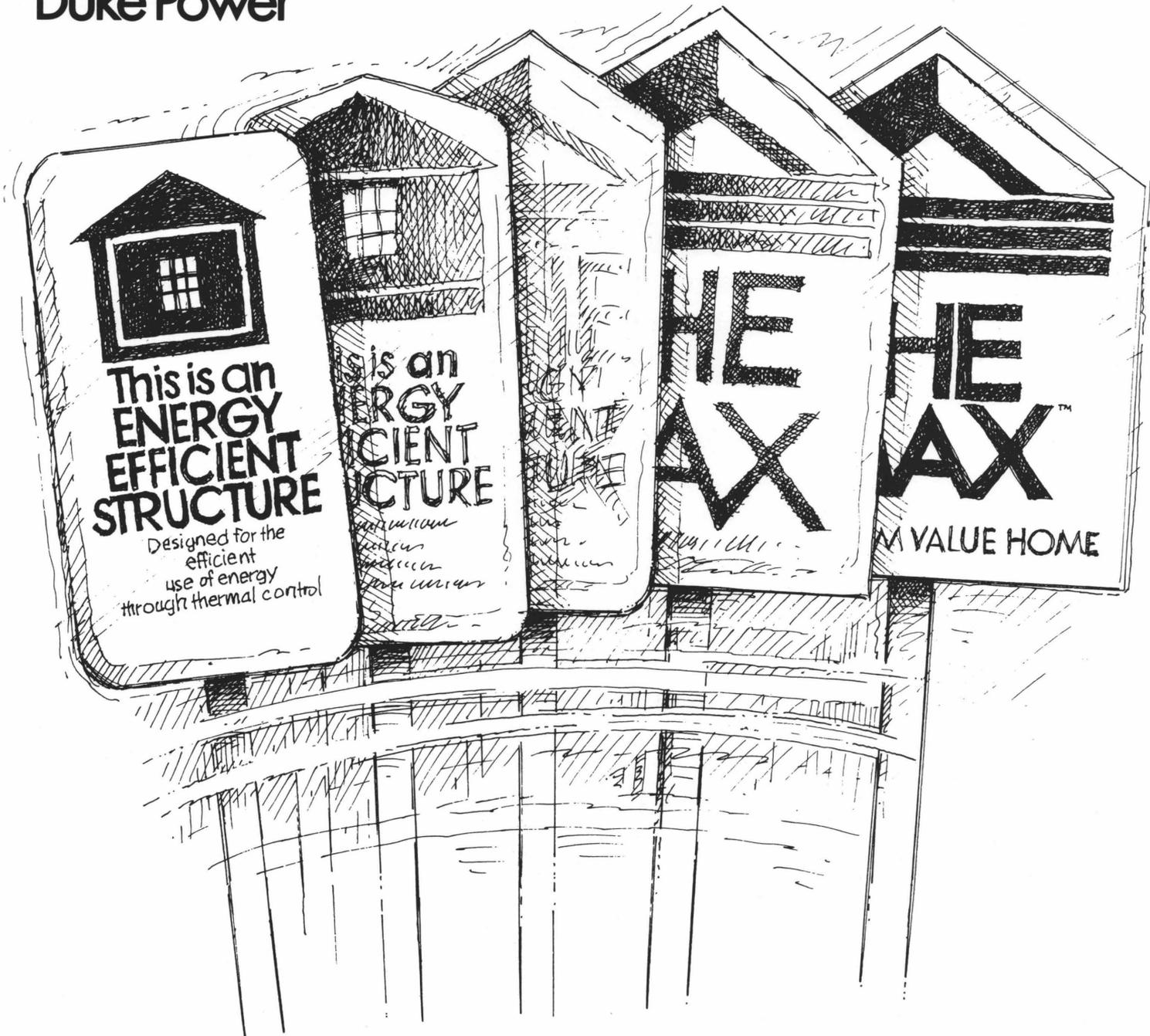
Davidson Sash & Door, Inc.

500 E. Center Street
Lexington, NC 27293

It's Time To Progress Beyond EES.

The Energy Efficient Structure, EES, brought us a long way in building the right houses for demanding home buyers. But it was only the beginning. Soon you'll hear how we've modified certain EES requirements. And how we've added new features to attract more buyers than ever. Keep watching to see how we've taken EES to The Max™ - The Maximum Value Home.

Duke Power



North Carolina Fellows

Three North Carolina architects — Gerald Li, Harvey B. Gantt and Edwin F. Harris Jr. — have been elected Fellows of the American Institute of Architects.

The three will be among 73 members of the American Institute of Architects advanced to the College of Fellows for their "notable contributions to the profession." The new Fellows will be invested at the 1987 AIA Convention in Orlando, Florida, scheduled to take place June 19.

Fellowship is a lifetime honor conferred on members of 10 years' good standing who have made a significant contribution to the practice and advancement of architecture. Advancement to the College of Fellows is the highest honor the AIA can bestow on any member with the exception of the Gold Medal.



Edwin F. Harris Jr., AIA

Edwin F. Harris Jr. of Raleigh has been university architect and director, campus planning and construction division, at North Carolina State University since 1981. He also currently serves as visiting associate professor of environmental design at the university's School of Design.

Harris holds a bachelor of architecture degree with honors from N.C. State and also attended the Ecole des Beaux Arts in Paris. Prior to joining the university, Harris had his own practice and was a co-founder of the Raleigh architectural firm Envirotek Inc., where he served as principal for five years.

Among Harris' numerous honors are grand prize, University of Miami International Campus Master Plan Competition 1986 and an honor award from the NCAIA in 1975 for campus planning at N.C. State University.

In addition to his NCAIA membership, Harris is a member of the association of University architects, the Council of Educational Facility Planners and the Society for College and University Planning.

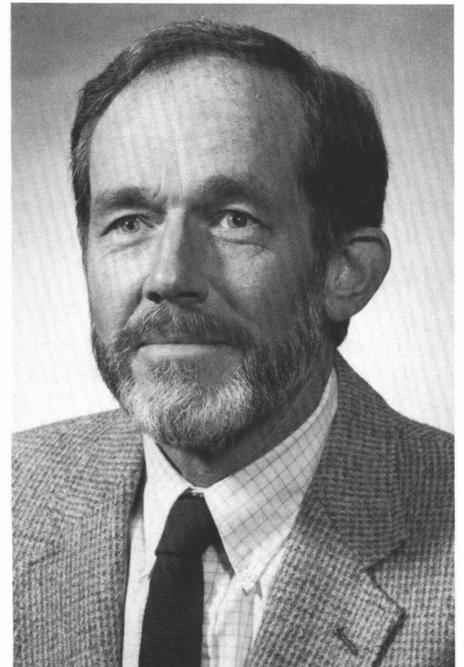
Harvey B. Gantt, AIA

Harvey B. Gantt, partner in the Charlotte firm of Gantt Huberman Architects, received his bachelor's degree in architecture with honors from Clemson University and a master's degree in city planning from the Massachusetts Institute of Technology.

He has been a member of the American Institute of Architects since 1968 and a member of the American Planning Association since 1971. He has served as visiting lecturer/critic at a number of institutions in the country, including Clemson University, Howard University, Yale University and the University of North Carolina at Chapel Hill.

Gantt, who has been mayor of Charlotte since 1983, received the American Institute of Architects' Distinguished Service Citation for Public Service in 1984 and holds honorary doctorates from Belmont Abbey College, Johnson C. Smith University and Clemson University.

Projects recently completed by Gantt's firm include the Mallard Creek Elementary School and University Place Office Building in Charlotte; Fetter Family Health Center in Charleston, S.C.; and the Winston Lake YMCA in Winston-Salem.



Named



Gerald Li, AIA

Gerald Li is a founder of Clark Tribble Harris and Li Architects PA, a Charlotte-based firm with offices in Washington, D.C.; Los Angeles; London, England; and New York City.

Li received his architectural degree from Rensselaer Polytechnic Institute in Troy, N.Y. and co-founded Clark Tribble Harris and Li in 1973. The firm, which is ranked 21st in size in the United States, has designed more than 35 million square feet with a construction value of more than \$1.5 billion since its founding.

Li is a member of the AIA National Design Committee and has had his work published in numerous industry publications, including *Architectural Record*, *Architecture*, *Progressive Architecture* and *Building Design & Construction*.

Recent projects on which Li has been lead designer are Discovery Place Museum of Science and Technology in Charlotte and the Hanes Art Center at the University of North Carolina at Chapel Hill.

FIBERMESH

State-of-the-art secondary reinforcement that can't be misplaced in concrete

Today we don't have to settle for the wire mesh method and gamble on it being in the right place. Technology has developed **Fibermesh Fibers**, a far superior system of engineered secondary reinforcement which provides automatic Hi-tech protection in both concrete's plastic and hardened state.

Fibermesh increases concrete's natural ability for lasting integrity.

Plastic shrinkage cracks generally pass through the entire slab and form planes of weakness permanently lowering the integrity of the structure.

Fibermesh provides concrete with necessary protection from plastic shrinkage cracking during its vulnerable early life. It's during this critical period, before concrete

develops its own integrity, that the millions of uniformly distributed "crack inhibitors" produced by the Fibermesh system are so vital.

Concrete should be designed to perform to the high degree of which it is capable. The addition of Fibermesh Fibers with their unique secondary reinforcing capabilities is a necessity for all quality concrete.

Benefits of secondary reinforcement		
Features	Fibermesh	Wire Mesh
Reinforces against plastic shrinkage crack formation	Yes ✓	No
Holds cracks together	Yes ✓	Yes ✓
Reinforces against impact forces	Yes ✓	No
Reinforces against shattering	Yes ✓	No
Reinforces against abrasion	Yes ✓	No
Reinforces against water migration	Yes ✓	No
Rust proof	Yes ✓	No
Corrosion resistant	Yes ✓	No
Minimum required concrete cover	-0-	1"
Tensile strength yield—ksi	80 - 110	65 - 70
Always positioned in compliance with codes	Yes ✓	No
Safe and easy to use	Yes ✓	No



DISTRIBUTED BY METROMONT MATERIALS

Spartanburg, SC 803/585-4241
 Greenville, SC 803/269-6767
 Charlotte, NC 704/597-8255
 Asheville, NC 704/253-9383

Off The Drawing



Landscape Architects Receive Awards

The North Carolina Chapter of the American Society of Landscape Architects (ASLA) recently announced the recipients of the 1986 Professional and Citizens Awards Program.

Winners in the category of Landscape Architectural design were: Bell Design Group, Raleigh; Landdesign Inc., Charlotte; Community Land Design, Cary; HunterReynoldsJewell PA, Raleigh; and Jerry Turner Associates, Raleigh.

Winners in the Landscape Planning and Analysis category were: Landdesign Inc. of Charlotte and Jerry Turner and Associates, Raleigh.

In the Landscape Architecture Communication category, winners were: William L. Flournoy Jr., Ju-lan Shen, Rachel Therrin and Jory Johnson, all of Raleigh.

Judges for the competition were J. C. Raulston, professor of horticulture, N.C. State University; Donna Moffit, ASLA, legal specialist, N.C. Division of Marine Affairs; Charles Fountain, head of the landscape architecture program at North Carolina A&T; and Tom McKay, associate partner with Capital Associates, Raleigh.

Library Design Contract Awarded

Hager, Smith and Huffman Group PA of Raleigh will provide design, programming and master-planning services for the new Wake County Southeast Regional Library in Garner.

The facility, which will cost an estimated \$2 million, is scheduled to be completed in the fall of 1988.

Hager, Smith and Huffman Group has also been selected to provide master planning and programming of facilities for the Town of Garner.

Raleigh Firm Awarded Contracts

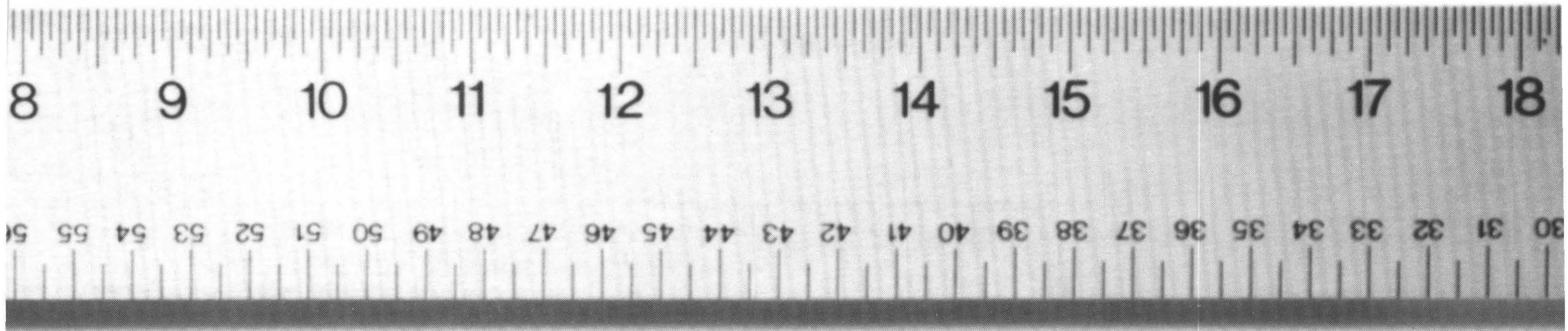
HunterReynoldsJewell of Raleigh has been awarded contracts for four projects.

The firm will provide site landscape design services for Reston Executive Center, a 13-acre office park in Reston, Va., that is being developed by the Centennial Development Corp. of Vienna, Va.

Also, HunterReynoldsJewell will design an urban plaza for Skyline Office Center, a 12-story building with 600,000 square feet of office space that was developed by the Charles E. Smith Companies of Arlington, Va.

In other contract awards, the firm will develop a master plan for site improvements at the Rockville Metro Center in Rockville, Maryland, and design a preliminary master plan on a 25-acre site for the Asiatic Arboretum at the Sarah P. Duke Gardens in Durham.

Board



New Education Center Underway

Dellinger/Lee Associates of Charlotte has started design development work on a continuing education center planned for the University of North Carolina at Chapel Hill.

The center will cost \$14 million and will occupy 100,000 square feet on Highway 54 at Finley Golf Course in Chapel Hill. The facility will contain meeting rooms, library, administrative offices, a restaurant and a theater.

Construction on the continuing education center should begin shortly, with completion scheduled for 1989.

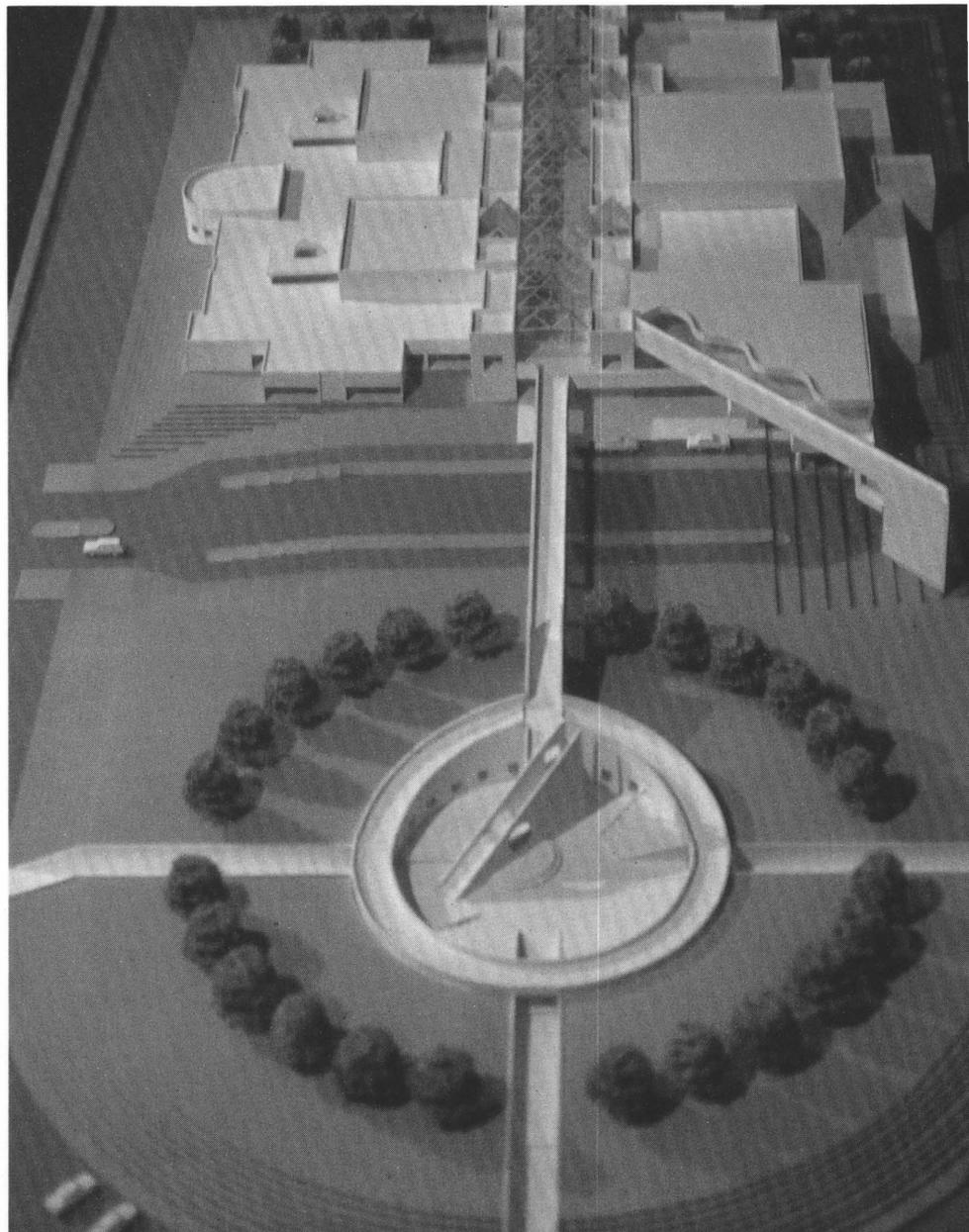
Dellinger/Lee Associates' project model for continuing education center.

Human Services Center Designer Chosen

The City of Greensboro has selected Philip Szostak Associates of Chapel Hill to design its new Human Services Center.

The project will include renovation of the 25,000-square-foot Ballance Building and the 15,000-square-foot Tatum-Dalton Building, located at the corner of Church and East Washington streets in downtown Greensboro.

The Human Services Center complex will provide headquarters for various community service agencies.



Firm Receives Design Award

James H. Boniface, AIA, and his firm, Freeman-White Associates Inc. of Charlotte, recently received an award for urban design and planning from *Progressive Architecture* magazine.

The two were cited for their Flats Oxbow Long-Range Development Plan, involving development of a 620-acre historic industrial district along the riverfront adjacent to Cleveland, Ohio's downtown area.

Boniface, an associate with Freeman-White, is continuing his involvement in the Flats Oxbow project.

Southern Bell Building Contract Awarded

Interior designers for the new Southern Bell headquarters building in Greensboro will be Holloway-Reeves Architects PA of Raleigh.

The five-story, 70,000-square-foot building is being developed by Koury Development Corp. of Greensboro.

Atlantic Building Systems Appointment

Randolph & Sons Builders Inc., Charlotte, has been appointed a builder for Atlantic Building Systems of Cincinnati, OH. The company will build various sizes and styles of Atlantic buildings in the Mecklenburg County area.

Atlantic Building Systems is a unit of Armco Atlantic Inc., a major manufacturer of preengineered metal commercial and industrial building and roofing systems.

Biotechnology Center Architects Chosen

J. N. Pease Associates Inc. of Charlotte has been chosen to design the new headquarters for the North Carolina Biotechnology Center, to be located in Research Triangle Park.

Groundbreaking for the new facility, which will cover an estimated 20,000 square feet, is set for early summer, with construction scheduled to be completed by late summer 1988. The facility was awarded \$1.2 million in construction financing by the 1985 General Assembly.

Durham Company Wins Design Award

Abbate and Company Inc. of Durham recently received the 1986 Carolinas Chapter of the American Society of Interior Designers award for historic preservation/adaptive reuse design.

The award was for the refurbishing of a 40-year-old building at 215 Martin Street in downtown Raleigh. The building now houses the law offices of McMillan, Kimzey, Smith and Roten.

General contractor for the project was J. M. Thompson of Raleigh. Partners in the firm of Abbate and Company are Charlotte R. Abbate, Diane Holt Raber and Angelo R. Abbate.

Architectural Exhibit Recently Unveiled

A landmark exhibition that analyzes the current attempt to define a "New Modern" alternative to "Post Modern" architectural revivalism was unveiled March 12 at the City Gallery of Contemporary Art in Raleigh. The exhibit will continue through May 2.

WHEN IT COMES TO ROOFING, KEEP THE SOURCE HANDY.



Experienced roofing specifiers call on "The Source," better known as the N.B. Handy Company. They know it always pays to check with us for roofing systems and equipment.

Our Division 7 works closely with architects and engineers on a daily basis, helping them keep abreast of the latest developments in roofing systems technology. So we have to stay on the cutting edge of this business.

And our distribution/delivery network is the strongest in the Southeast.

For a free copy of our Roofing Specifier's Source Book, write us or call your nearest office listed below.

So now that you know The Source, keep it Handy.

N.B. HANDY

65 10th Street P.O. Box 11258
Lynchburg, VA 24506

The Source For **Firestone**
Roofing Products.

LYNCHBURG
804/847-4495

ROANOKE
703/343-2467

RALEIGH
919/828-5421

GREENSBORO
919/855-3900

RICHMOND
804/649-7064

NORFOLK
804/461-6470

CHARLOTTE
704/377-9903

KNOXVILLE
625/523-6198

Called "Modern Redux: Critical Alternatives for Architecture in the Next Decade," the exhibition is sponsored by Storr Office Environments in Raleigh and Durham, Spectator Publications and Carolantic Realty.

The 35 architectural projects on display, chosen by Douglas Davis, noted architecture and design critic for *Newsweek* magazine, represent the latest, most powerful work in the idiom.

The exhibition was organized by the Grey Art Gallery and Study Center at New York University and circulated by Independent Curators Inc., a nonprofit traveling exhibition service specializing in contemporary art. Susan Sollins, executive director of ICI, said the exhibition is "an animated visual discussion about opposed viewpoints among contemporary architects: those who wish to return to the past and those who wish to envision the future. Curator Douglas Davis stands firmly for the future, but has made it possible for those viewing this exhibition to join the conversation."

The exhibition includes works by such architects as Philip Johnson, Robert Venturi, Kohn-Pedersen-Fox and Site Inc. Davis said, "By modern, we mean both now and linked to the modern movement,

broadly defined, not simply the International Style. By Redux (again), we mean new architecture. We have sought out works and architects who reference the present rather than the past, since according to the rhetorician Quintillian 'There is no natural law that says the best is past.'"

For more information on the exhibit, contact the City Gallery of Contemporary Art, 220 S. Blount St., Raleigh, NC 27601 or call (919) 839-2077. The Gallery is the first stop for Modern Redux, which will also be shown in Los Angeles, CA; Wesleyan, CT; and Pensacola and Tampa, FL, through the end of 1988.

College Expansion Work Begins

Design work has been completed and construction begun on an expansion at Brunswick Technical College in Supply.

The two-story, 31,000-square-foot classroom/lab/office building was designed by J. G. Johnson Architects of Wilmington. General contractor Miller Building Corp. of Wilmington is scheduled to complete construction of the building by October.

Charlotte Firm's Three Projects Recognized



Peterson Associates PA of Charlotte has been recognized for three projects designed by the firm.

Two projects—the McDowell Hospital in Marion and the Magnetic Resonance Imaging Facility for N.C. Memorial Hospital at the University of North Carolina at Chapel Hill—were selected by the American Institute of Architects for publication in their first edition of the AIA Health Facilities Review. The two projects were the only ones designed by a North Carolina firm to be included in the review.

And, *American School and University* magazine recognized Peterson Associates' design for the physical sciences building at the University of North Carolina at Charlotte in its 1986 Architectural Portfolio issue (*Shown above*).

Even the best laid plans can be more efficient with the expertise of Keith Newcomer.

Your designs change with the times and vary according to the needs of each client. One of our Technical Service Engineers, Keith Newcomer, also realizes the importance of not only keeping up with the times, but keeping ahead of them. He stays up-to-date on all the latest technology in the field of energy efficiency. He can be a big help to you in your planning—at no cost to you.

Just say the word and provide the necessary facts. Keith, or one of our other Technical Service Engineers, will proceed with energy cost comparisons and a comprehensive feasibility analysis. This will help you make the best energy system decision.

Since energy is such a major concern, take advantage of this opportunity to use this beneficial service. Just call our Technical Services Department, toll-free. From North Carolina: 1-800-532-0462. From South Carolina: 1-800-438-8410. Within Charlotte: 364-3120.



Piedmont
Natural Gas
Company

Advertisement not paid for by our customers.

NEENAH FOUNDRY COMPANY

Construction
Castings
Tree Grates

Manufacturer's Representative:

**Cowley
Construction
Materials**

P.O. Box 2133
Charlotte, NC 28211

704 / 542-5537

Please call or write for free
copy of our construction
castings catalog and our
Tree Grate catalog.



E. J. BROWN & ASSOCIATES

"Quantity Surveyors/Cost Estimators/Construction Managers"

Specializing in; Feasibility Studies,
Preliminary Budgets, Conceptual
Cost Estimates, Quantity Surveys,
Detailed Cost Estimates, Value
Engineering and Construction Management.
Also offering "CACES" and "CES" Formats.

American Society of Prof. Estimators
Construction Spec. Institute
American Assoc. Cost Engineers
Professional Const. Est. Assoc.
Society of American Value Engineers

Eddie J. Brown, C.P.E.
815 Old Winston Rd.
P.O. Box 746
Kernersville, NC 27285
Tel. 919/996-3791

Certified Fabricators Of Du Pont

CORIAN®

Solid Beauty That Lasts.

CORILAM FABRICATING Co. Inc.

P.O. Box 361 Kernersville, N.C. 27285 (919) 993-3511

Harris & Associates
Estimating & Scheduling
Route 9, Box 233
Easley, South Carolina 29640

(803) 269-7205

We specialize in CACES
estimating for Corps of
Engineers and CES for Naval
Facilities Engineering Command.



Estimates are available
on computerized format
upon request.

The Overwhelming Choice In Floor Underlayments.

We've poured our underlayments in apartments, condominiums, office complexes, single-family homes and shopping malls. More than 600 million square feet of Gyp-Crete® and Gyp-Crete 2000™ have been installed nationwide. For new construction or renovation, they're the overwhelming choice in floor underlayments.

Here's why:

- Sound and fire control
- Accepts virtually all finished floor goods
- Pour over wood or concrete subfloors
- No shrinkage cracks
- Pour to depths of 3/8" to 3"
- Accepts foot traffic within 90 minutes
- Fast, efficient installation
- Leveling capabilities



For more information, contact:

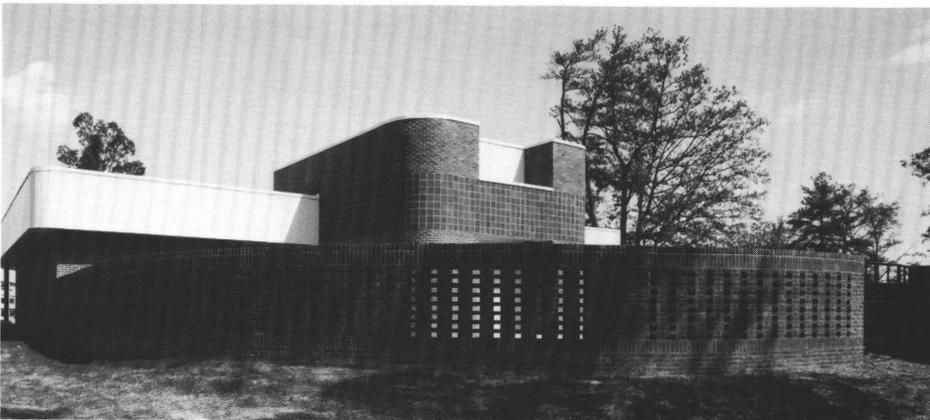
IVESTER DISTRIBUTORS, INC.

1-800-247-5266

1-800-345-3523 IN N.C.



Portfolio



Shown are the McDowell Hospital (top) and the Magnetic Resonance Imaging Facility (bottom). These projects received recognition for Peterson Associates PA of Charlotte (see story on page 39).

Odell Associates Wins For Law Firm Design

Odell Associates of Charlotte recently received an award from the Carolinas chapter of the national Institute of Business Designers for its design of law offices in downtown Charlotte.

The award, presented April 11, recognized Odell's work for the law firm of Moore and Van Allen, which had undergone two mergers. Rather than relocate to another building, Moore and Van Allen hired Odell to transform two and a half floors of the NCNB Plaza building into suitable office space.



Names and Changes In N.C. Architecture

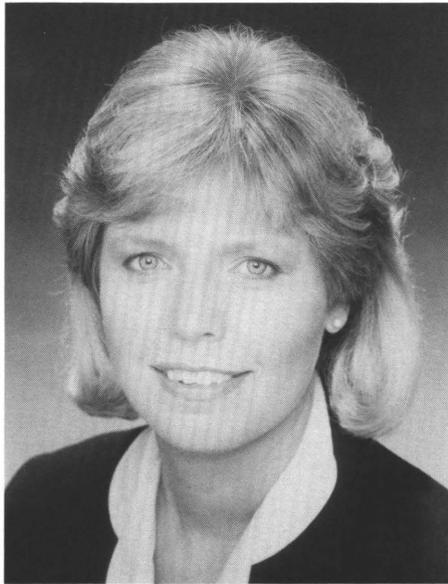
John R. Bankett, **Jimmie D. Phipps**, and **Michael K. Warner** have been named senior associates with Odell Associates Inc. of Charlotte. The newly created positions recognize the three men's "contributions to the firm and to their professional disciplines," said a spokesman for Odell.

Bankett, a registered architect specializing in health facilities, has been with Odell since 1962; Phipps, chief specification writer, has been with Odell since 1960; and Warner joined Odell in 1966.

Also named to principal associate positions by Odell Associates were **Michael S. Cole**, ASLA, director of land planning; **Katherine Linehan Martinelli**, director of interior design; **David C. Park**, PE, director of civil engineering; **Stephen D. Thomas**, AIA; and **J. Michael Woollen**, AIA.

Also, **Mark A. Hollenbach** has been named vice president, finance, of Odell Associates. He was formerly audit principal for Arthur Young & Co., Charlotte.

Also, Odell has appointed **Gunar Ejups** to principal associate and **Mark J. Anthony** to associate. Ejups, who has 30 years of



Carole Hoefener

design and project management experience, received his bachelor's and master's degrees in architecture from Michigan State University. Anthony, who graduated from the University of Notre Dame, is responsible for operations control and project planning for Odell's Charlotte office.

Tim Demmitt has been named a part-

ner with Overcash-Harris Architects in Charlotte. A 1980 graduate of the University of North Carolina at Charlotte, Demmitt is a registered architect.

Three new employees have joined the firm of Middleton, McMillan Architects Inc. of Charlotte: **Carole Hoefener**, formerly of Godwin Associates; **Bill Ashlin**, formerly of Hawkins Kibler Associates; and **David Taylor**, a recent graduate of Clemson University's School of Design.

Mark Wineburg has joined Hager, Smith and Huffman Group PA of Raleigh as a designer. He received his master's degree from North Carolina State University.

Mark C. Frederick has been named a designer on the staff of Storr Office Environments in Durham. He has a degree in interior design from East Carolina University.

The firm of Skinner, Lamm & Hood PA of Wilson has opened a new office in Cary and changed its name to Skinner, Lamm, Hood & Highsmith PA. The Cary office will be managed by **W.T. Highsmith**. The firm, founded in 1957, has specialized primarily in institutional and commercial projects.

Other partners in the firm are **B. Atwood Skinner**, AIA; **G. Barry Lamm**,

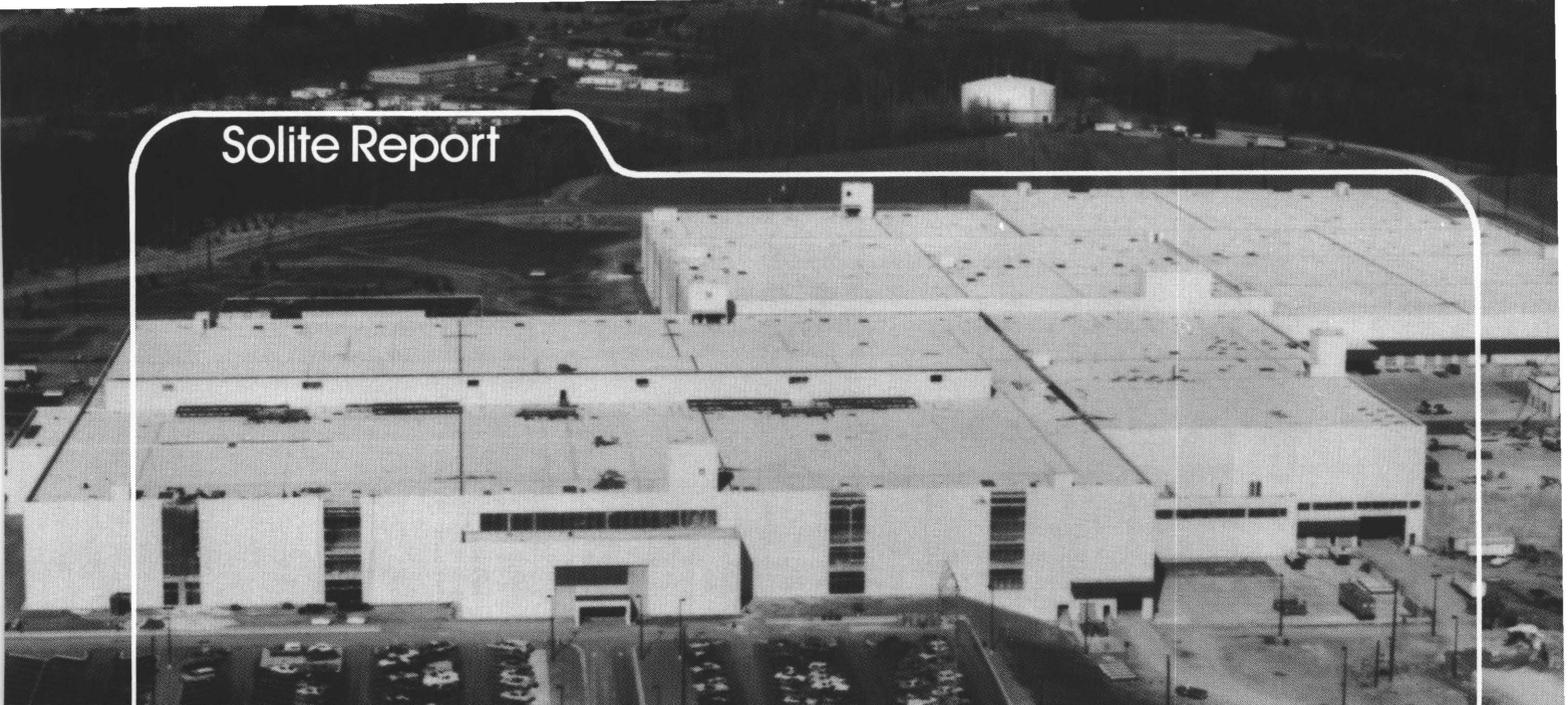
(continued on page 44)

What should I do when my custom printed drafting media runs out unexpectedly?

1. Call Duncan-Parnell toll-free.
In N.C. 1-800-432-6022.
In S.C. 1-800-438-4088.
2. Send in a camera-ready layout or
a previously printed format to:
P.O. Box 35649
Charlotte, N.C. 28235
3. Sit back and relax.
Our offset printing department does the rest.

**Duncan-
Parnell Inc.**

Solite Report



Lasting beauty plus lowest cost alternative.

100% pure Solite concrete masonry units.

Requiring over 1.8 million 8" equivalent units, the R.J. Reynolds Tobacco Company plant in Tobaccoville, North Carolina was the largest concrete masonry project in the southeastern United States.

Reynolds demanded high quality block and to meet that demand, fine textured pure lightweight aggregate block was specified.

Working closely with Solite, the block manufacturer produced units to R.J. Reynolds specifications. Pure Solite lightweight aggregate block met every quality check for size, texture and color.

Throughout the project, the block was inspected to insure uniformity. The result was a new standard in the block industry...a beautiful masonry project.

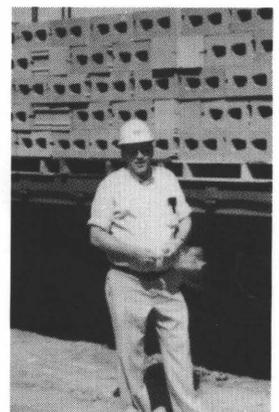
Johnny Johnson, the project manager for the masonry contractor said, "...these pure Solite blocks were the best...if architects and owners could see their projects go up like this, they would use more and more masonry."

With all its beauty, pure Solite was the most cost effective.

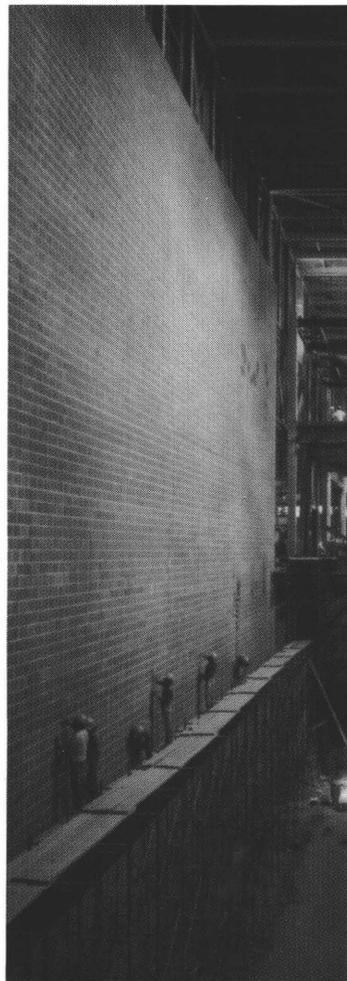
For several decades, Solite lightweight aggregate block has been used in buildings for its durability, strength and light weight. Pure Solite block offers excellent insulation values, high fire resistance, superior acoustical properties, architectural design flexibility, thermal inertia and consistent quality of texture and color.

It pays off in reduced energy and insurance costs year after year.

For more proof of the beauty and savings of Solite, take a look at the R.J. Reynolds Tobaccoville plant. Or better yet, take a look in 10, 50 or 100 years.



Johnny Johnson, Snow, Jr. & King.



SOLITE
Lightweight Masonry Units

Offices: Mt. Marion, NY 1-914-246-9571, Richmond, VA 1-804-329-8135, Albemarle, NC 1-704-474-3165, Green Cove Springs, FL 1-904-264-6121, Brooks, KY 1-502-957-2105

Owner — R.J. Reynolds Tobacco Co., Winston-Salem, North Carolina
Construction Manager — Morrison-Knudsen Co., Inc., Boise, Idaho
Architect-Engineer — Rust International Corporation, Birmingham, Alabama
Masonry Contractor — Snow Jr. & King, Inc., Norfolk, Virginia
Masonry Producer — Lightweight Block-Eden Corp., Eden, North Carolina
Landscaping and finishing touches still underway.

From Your Ideas To Reality

GT **CLANCY & THEYS**
 CONSTRUCTION COMPANY GENERAL CONTRACTORS
 RALEIGH, NC WILMINGTON, NC
 919/834-3601 919/392-5220

**VERY FEW
 ARCHITECTS
 KNOW WHAT
 WE DO.**

But those who do know, recognize our diversity and creativity as industrial/graphic designers. We perform as integral team members with architects, land planners and developers.

Design/Joe Sonderman. For fifteen years, professionals developing responses to architectural and community signage systems, recreational environments, interior design and space planning, and collateral programs. A compliment to enhance the architectural statement.

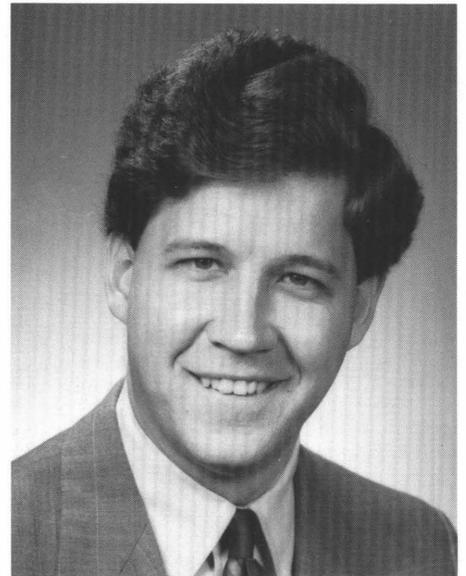
Now you know...

DESIGN/JOE SONDERMAN, INC.
 Industrial/Graphic Design, Charlotte, NC, 704/376-0803

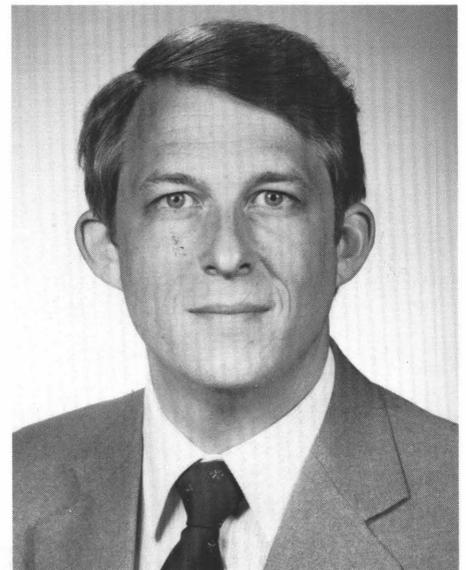
AIA; and **John C. Hood**, AIA. Recently joining the firm's Cary office was **Douglas R. Hurlbert**, AIA.

William L. O'Brien, chairman and chief executive officer of O'Brien Atkins Associates of Chapel Hill, was recently elected president and **G. Milton Small III**, managing partner of G. Milton Small and Associates of Raleigh, was elected vice president of the N.C. State University School of Design Foundation. O'Brien and Small will serve one-year terms.

Also elected to four-year terms as directors were: **Charles H. Boney**, president of Boney Architects Inc., Wilmington; **Margaret F. Earle**, retired chief executive officer of Greensboro Printing Co., Greensboro; **Jacob H. Froelich Jr.**, president of Froelich Cos., High Point; **James A. Gordon**, president/chief operating officer, Winston Printing Co., Winston-



Michael S. Cole



David C. Park

Salem; **Thomas B. Hines**, vice president/general manager, Carley Capital Group, Raleigh; **Michael Tribble**, executive vice president/secretary-treasurer of Clark Tribble Harris and Li Architects, Charlotte; **Jerry M. Turner**, landscape architect with Jerry Turner and Associates of Raleigh; and **Barney P. Woodard Jr.**, architect with Woodard and Roberts Architects of Asheville.

The Foundation, which provides private, supplemental support to programs in the N.C. State School of Design, also reported a 48.9 percent increase in donations during the 1985-86 fiscal year.

RS&H of North Carolina Inc., Architects/Engineers/Planners, has announced the promotions of three employees: **Thomas J. Stone** to vice president-business development; **Thomas E. Cunningham** to associate vice president in charge

(continued on page 48)



Thomas E. Cunningham



Michael K. Warner



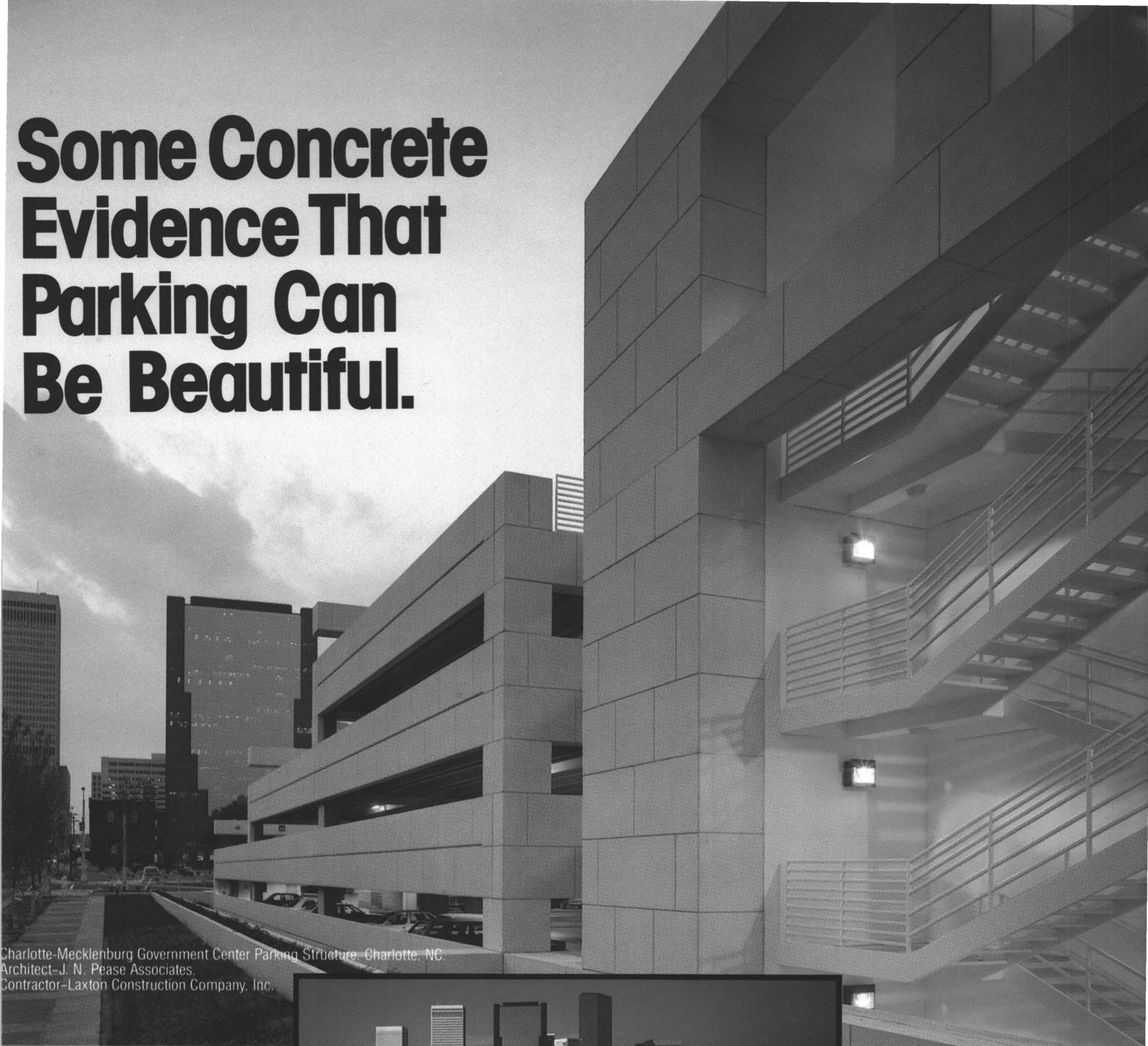
IF YOU THINK THE OUTSIDE OF OUR BUILDINGS MADE US FAMOUS, HERE'S THE INSIDE STORY.

We may have made a name for ourselves constructing Armco prefabricated steel buildings, but that's just part of our expertise. We're also big on interior construction. Take Station Square Office Center in downtown Raleigh for example, a classic case of JEDCO's first class workmanship. Down to the smallest detail.

JEDCO can create an interior as unique as your needs. JEDCO Construction, Inc. 1400 Nowell Road, Raleigh, North Carolina 27607. Telephone (919) 851-6060.

JEDCO

Some Concrete Evidence That Parking Can Be Beautiful.



Charlotte-Mecklenburg Government Center Parking Structure, Charlotte, NC.
Architect—J. N. Pease Associates.
Contractor—Laxton Construction Company, Inc.



To prove that decks don't have to be ugly, we offer the following evidence:

The Charlotte-Mecklenburg Government Center Parking Structure. Winner of several 1986 design awards. An integral part of an architecturally-consistent Government Center Plaza.

A parking deck that inspired Richard Maschal, Art and Architecture Editor for The Charlotte Observer to say, "It is a handsome parking deck, a beautiful parking deck. It sets a new standard in Charlotte for what decks can be."

pre-stressed and custom-made in our factory for a perfect fit, to provide beauty and structural integrity in a very cost-effective package.

So if you have a parking deck to build, make Exposaic a part of your team. We'll show you how something beautiful can be cast in concrete.

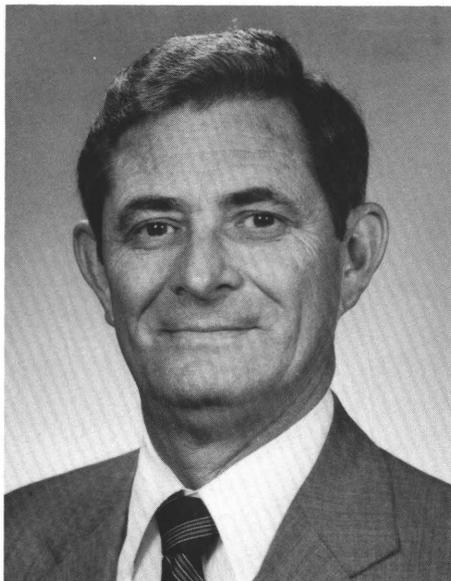
We're very proud of those words, because much of the beauty of that deck comes from Exposaic pre-cast exterior panels. And beneath its pretty face there are more Exposaic products. L girders. T girders. Columns. Double tees. All pre-cast,

EXPOSAIC INDUSTRIES, INC.

When the finish counts.

P.O. Box 5445, Charlotte, NC 28225 (704)372-1080





Jimmie D. Phipps

PROJECT INC. CONTROL

FOR
SCHEDULING THAT DRIVES YOUR PROJECT.
DETAILED ANALYSIS TO PROVE YOUR CLAIM.

CALL OR WRITE FOR OUR DETAILED LITERATURE

704-938-8211

315 SOUTH MAIN STREET • KANNAPOLIS, N.C. 28081



Katherine Linehan Martinelli

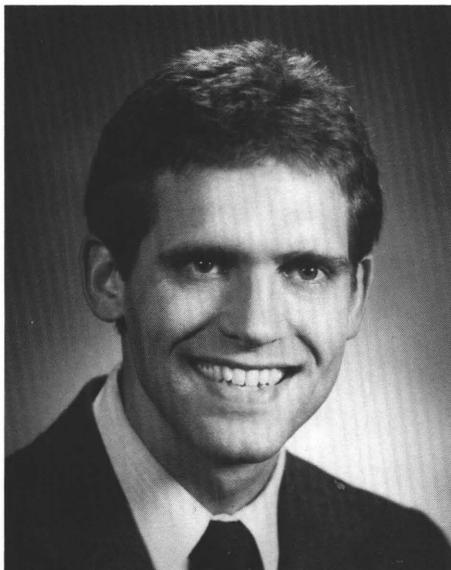
Johnson & Higgins designs *Professional Liability Coverages.*

We know the field of professional liability protection as few other brokers do. That's why we've won the endorsement of the NCAIA, PENC, and SCAIA. And our worldwide network enables us to negotiate with underwriters everywhere. We'd like to talk with you about this. Call a J&H account executive at 1-800-433-2702 in North Carolina.

**JOHNSON
& HIGGINS**

JOHNSON & HIGGINS CAROLINAS, INC.
750 First Union Tower
Charlotte, NC 28282-8265
(704) 374-1845

Risk and Insurance Management Services;
Human Resources and Actuarial Consulting
Throughout the World.



Bill Ashlin

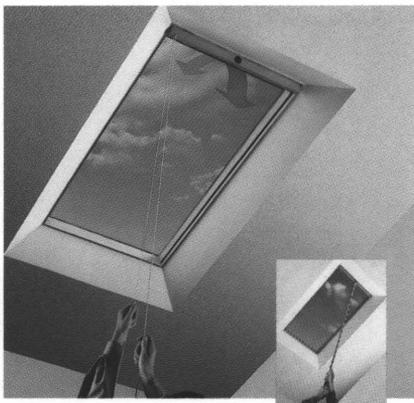


E.M.A. INC. Consulting Engineers

- Structural Engineering
 - Geotechnical Engineering
 - Civil Engineering
 - Materials Testing & Inspection
 - Failure Investigations
 - Computer Aided Design and Drafting (CADD) Services

401 Glenwood Avenue—P.O. Box 12447—Raleigh, N.C. 27605
919/828-0801

NEW
VELUX®
 presents
 a fresh new
 idea in fixed
 skylights.



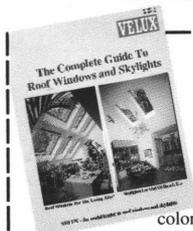
Until now conventional fixed skylights could only offer natural overhead light with no ability to vent stale, heated air and allow fresh air to enter. Well, VELUX innovation has changed all that.

The new VELUX fixed skylight Model FSF features a unique ventilation flap. This exclusive VELUX feature lets you enjoy the benefit of limited ventilation even with an economical skylight.

It's innovations like the Model FSF fixed skylight that keep VELUX the world leader in roof windows and skylights.

VELUX

The world leader
 in roof windows and skylights



FREE 28 page full
 color brochure

Mail this coupon. We'll send you information on the new FSF Skylight along with our 28 page color brochure and price list within 24 hours.

Name _____

Address _____

City _____ State _____ Zip _____

VELUX-AMERICA INC. 1-800-282-3342 (in GA)
 1865 Corporate Dr., Suite 200 1-800-241-5611 (outside GA)
 Norcross, GA, 30093

of quality control and building technology programs; and **Gale M. Brown** to associate vice president-director of land surveying.

Wayne Stogner, AIA, and **Jacob Kanoy**, AIA, CSI, have formed the architectural, planning and programming firm of Stogner & Kanoy PA, located at 315 S. Lawrence St. in Rockingham.

Leslie B. Wagle, ASLA, has joined the Greensboro-based firm of J. Hyatt Hammond Associates Inc. as head of the landscaping department. Wagle, who has degrees from Auburn University and from Michigan State University, had her own firm prior to joining Hammond Associates. She recently received the National Landscape Association Merit Award in the 17th Annual Design Awards Program for a Winston-Salem residence.

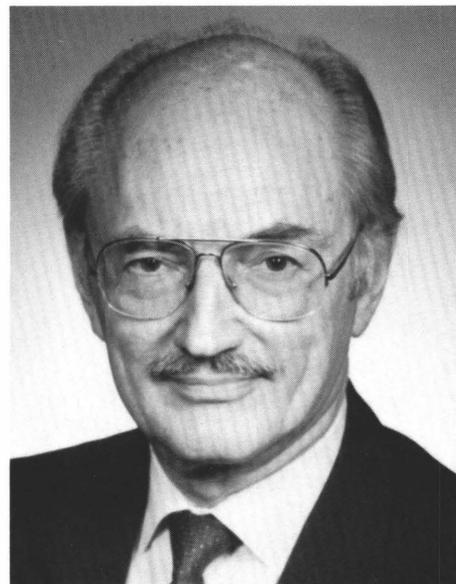
William Barry Jenkins, **Edwin A. Hancock** and **Randy L. Sides**, all formerly with Little & Associates, have formed a new firm, Jenkins, Hancock & Sides, Architects and Planners Inc. The firm is headquartered at 1426 Maine Street in Columbia, S.C.

Also, **Theodore M. Talmage** has been named senior associate for the firm.

William D. Moser, who has an architectural practice in Greensboro, wrote an article that was published in the October, 1986 issue of *Industrial Development*

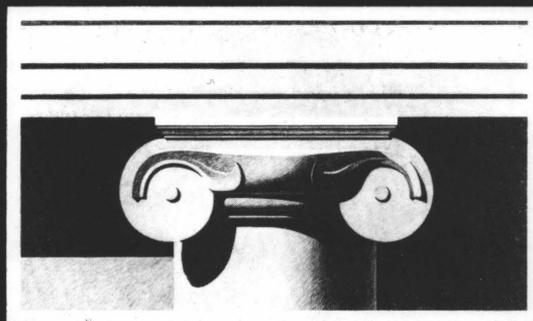
magazine. He specializes in high-technological flexibility design.

C.D. "Buddy" Moose has been named executive vice president of the newly renamed Charlotte architectural firm of Wilkerson Moose Associates Inc., formerly Wilkerson Associates. He is a graduate of Clemson University. He joins R. W. "Bud" Wilkerson, president, in the firm, which is located at Two Parkway Plaza in Charlotte.



Gunar Ejuþ

Jenkins·Peer Architects



If you share our concern for
 timeless architecture
 we invite you to contact us
 to discuss a position

704-372-6665



Reid Saunders
Eastern NC

John LeNoir
Western NC

Pella Commercial.

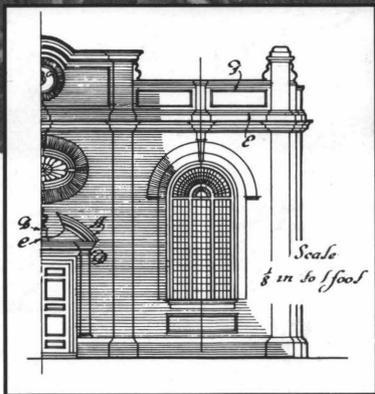
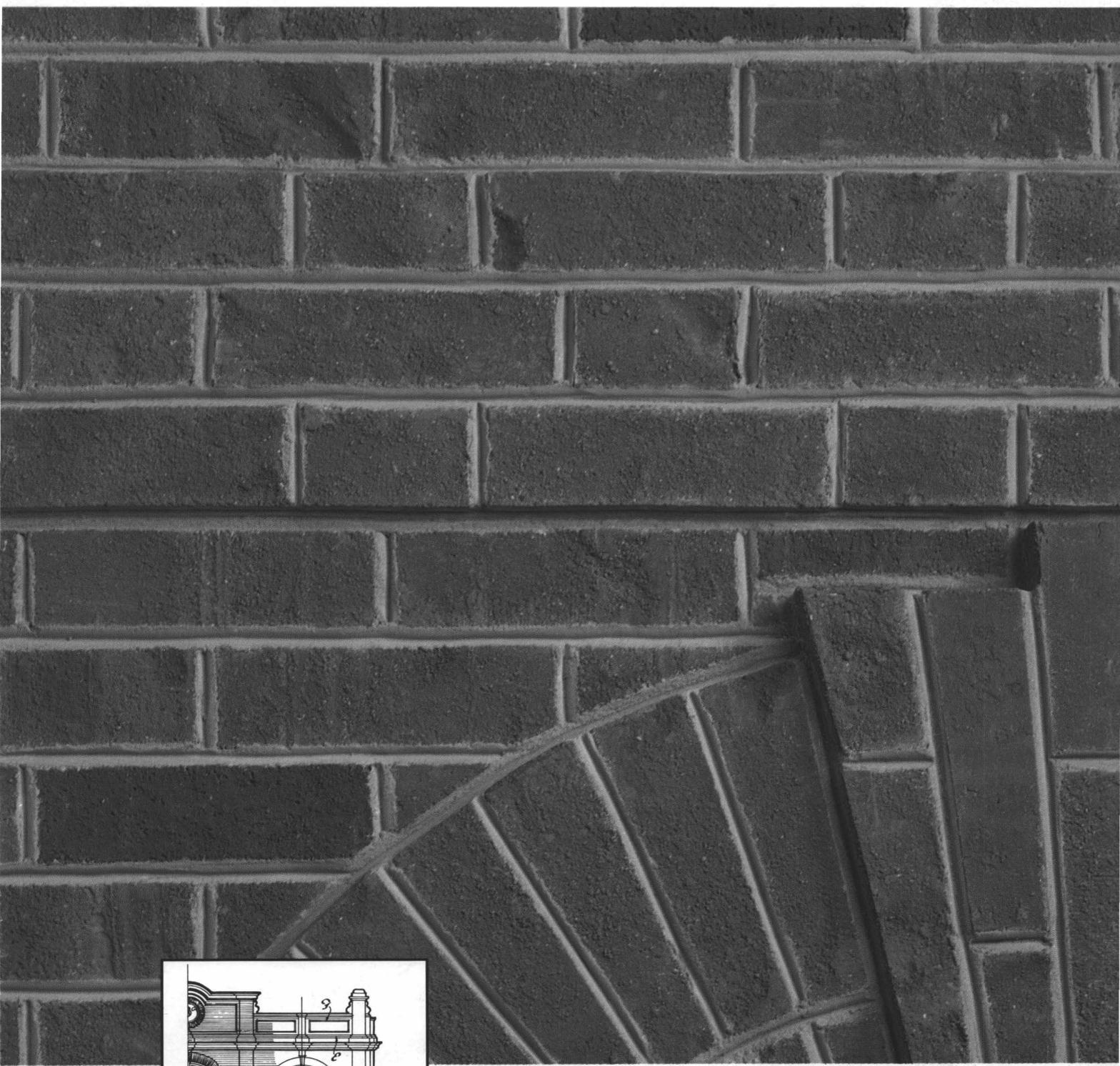
Ask us. Commercial tolerances can be tricky, even for experts like yourselves, and mistakes are costly. Pella Window and Door's North Carolina Commercial Division is represented by professionals John LeNoir and Reid Saunders. John in the western part of the state, and Reid from Raleigh eastward. These two men are Pella experts who are trained in every aspect of commercial window and door application and design. As you know, Pella is constantly adding products to

retain its position as quality leader in the commercial window industry. Among these additions is a new series of Pella windows designed specifically for your commercial users. Reid and John are on call always in your market, with the best updated information on all Pella products. Available to help you early with your planning and design. **We are on call.** 1-800-632-1016 (Greensboro) 1-800-438-1112 (Raleigh) Don't hesitate.



WESTERN NC PELLA DISTRIBUTION CENTER: 1325 S. Eugene Street, Greensboro, NC 27406
EASTERN NC PELLA DISTRIBUTION CENTER: 2640-A Yonkers Road, Raleigh, NC 27610

Brick. It speaks a language all its own.



With brick, the only limit is the imagination. Especially with Commonwealth Handtique, one of the many shapes, textures, and colors available from Borden.

Borden
BRICK AND TILE CO.

IN NORTH CAROLINA CALL 1-800-672-0081; OUTSIDE NORTH CAROLINA CALL 1-919-596-8241