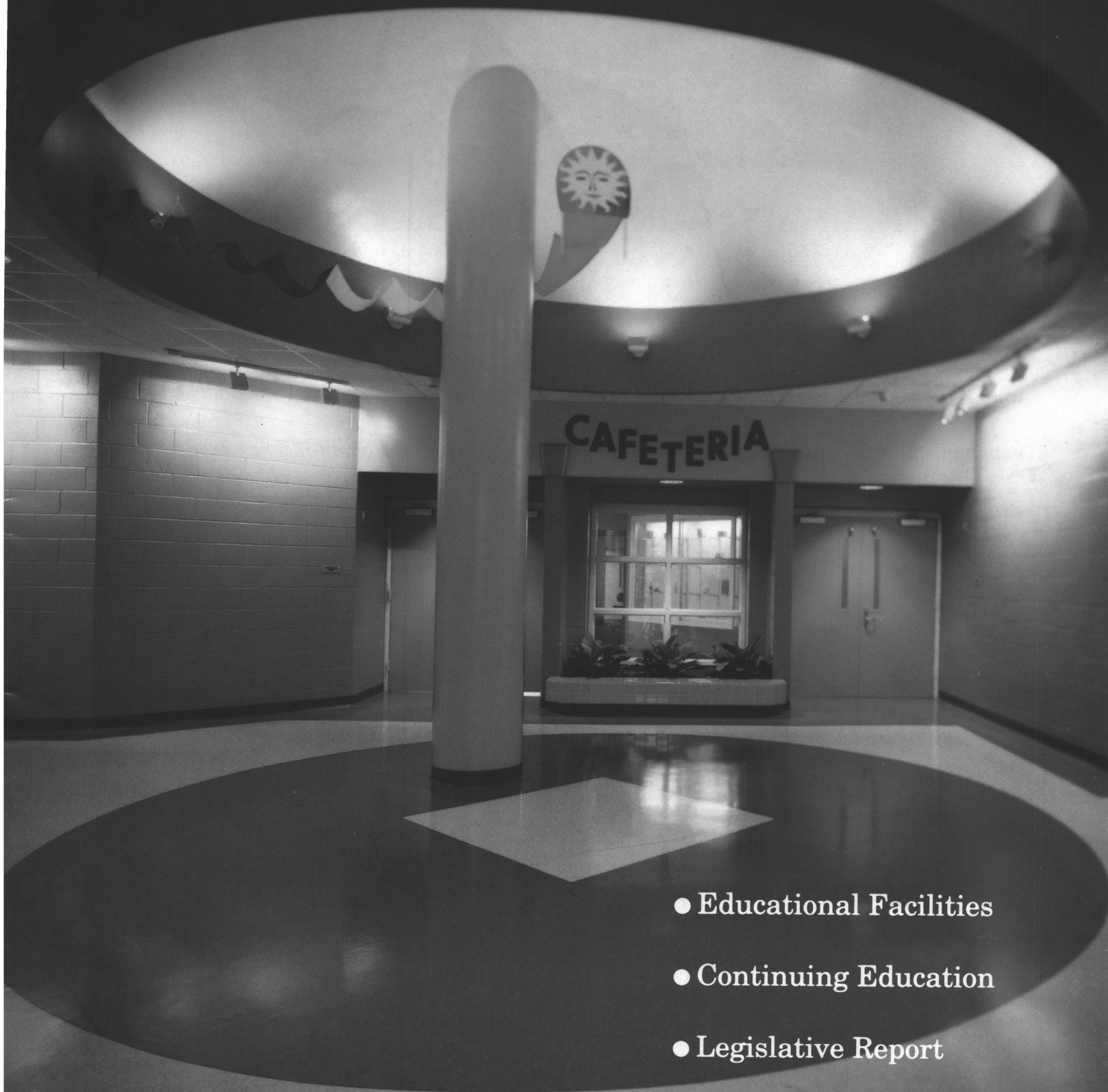
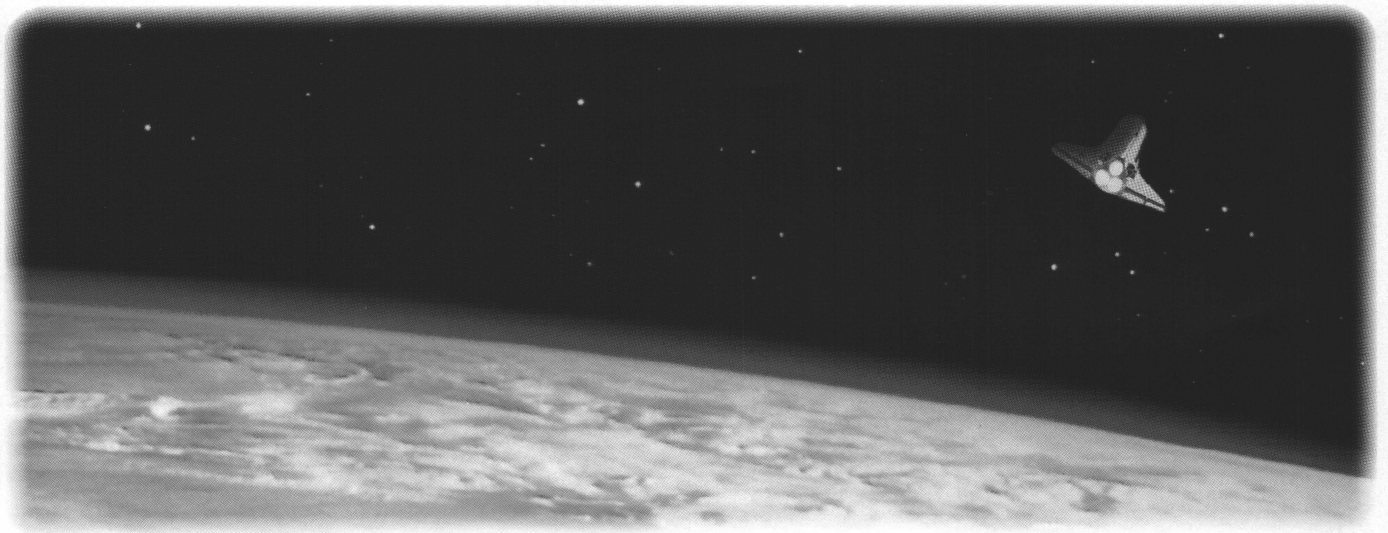


• NORTH CAROLINA •
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- Educational Facilities
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Colors and creativity provide a playful entrance to the cafeteria at Balfour Elementary in Asheboro. Photograph by Brad Farlow.

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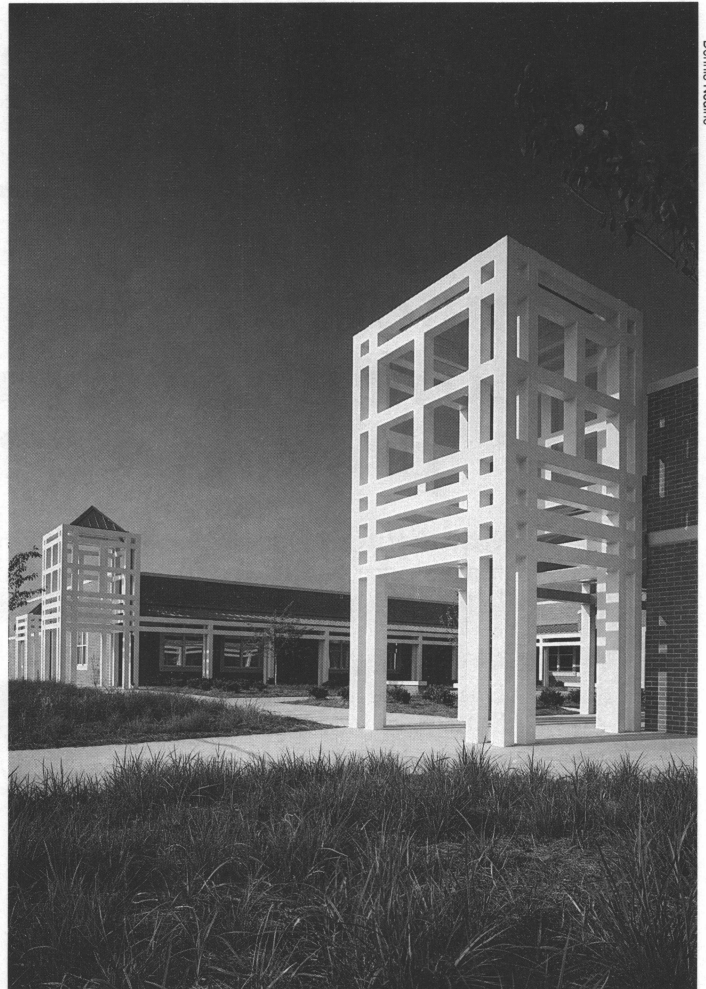
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Dennis Nodine

New North Carolina K-12 educational facilities are in great demand. Charlotte's Lake Wylie Elementary School, shown above, is one of several new school projects designed by Martin Boal Anthony & Johnson, Architects. The educational facilities feature begins on page 10.

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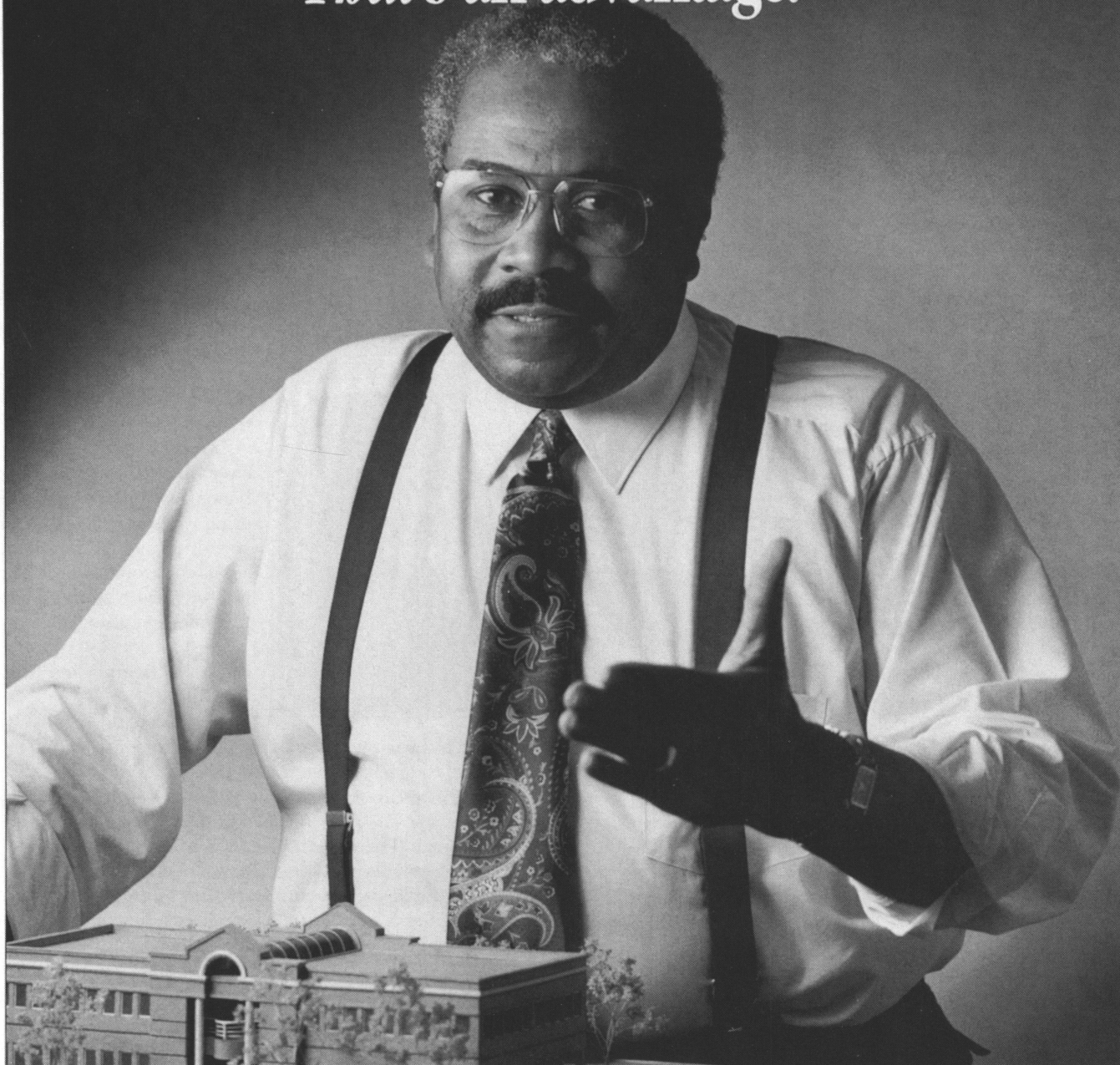
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Legislative Report

AIA North Carolina Is Keeping An Eye On The General Assembly

Attempting to predict the outcome of a legislative session is akin to forecasting the weather...six months from now.

Since January 27, the 170 men and women who comprise the North Carolina General Assembly have been introducing proposed legislation at their typically astonishing rate. An estimated 2,000-plus bills will be considered during this two-year legislative session. So far, the 1993 bills cover everything from providing health care insurance for every North Carolinian to inspecting ostrich meat.

The headline issues, as usual, revolve around the state budget. The General Assembly paid \$3 million for an audit and study of state government to uncover waste and inefficiency. Several hundred bills have been introduced as a result of recommendations from the Government Performance Audit Committee. If the legislature adopts some of these bills, so the thinking goes, then there will be more money available for pre-school education and pay raises for state employees.

In addition, the legislative leadership appears quite earnest about tackling difficult and controversial topics such as health care reform and workplace safety.

In this highly-charged atmosphere replete with many and varied special interests (at least 800 registered lobbyists) clamoring for attention, AIA North Carolina, a Chapter of the American Institute of Architects, is involved in monitoring and lobbying more than 100 bills which impact the design profession and the construction industry.

While acknowledging that watching the legislature is like shooting at a moving target and that everything is subject to sudden change, here's an overview of some issues AIA North Carolina is watching:

Public Construction Bond Referendum

As of mid-March, at least three bills had been introduced which would place a major public construction bond referendum on a statewide ballot this November. Two of the bills earmark more than \$300 million for community college capital

improvements, while the third, unspecified in terms of dollars, provides for community colleges plus the UNC system and K-12 schools.

The building wish list for all three educational systems has been well-documented. UNC officials say the 16 UNC campuses have more than \$300 million of long overdue needs. State Superintendent for Public Instruction Bob Etheridge says a staggering \$5.6 billion in K-12 building repairs and replacements must be made in the next 10 years.

A statewide educational building program would represent a major investment in the state's long-term future, plus it

would help cement a jobs recovery for the design and construction industry, a major indicator of economic well-being. For every \$1 million in new construction in this state, 38.6 jobs are created in the construction, supplier and service sectors.

The primary hangup in the General Assembly, of course, is money. How much can the state afford to spend? A \$600 million bond issue would require roughly \$60 million per year for a 15-year period to cover financing. To finance the bonds, lawmakers are considering ways to cut existing state spending and, later in the session, will probably take a hard look at various sources of new revenue—including a lottery.

Energy-Efficiency in Public Buildings

A package of six bills, intended to promote energy-efficiency and conservation in public buildings, has been moving through both houses. The bills are the result of a year-long legislative study commission, co-chaired by Sen. Clark Plexico (D--Henderson) and Rep. Fred Bowman (D--Alamance).

The energy bills, if successful, would enact fundamental change in public construction priorities. A greater emphasis would be placed on the true life-cycle cost of a building, not just its initial cost of construction.

In fact, during new construction, the design of the building shell has the greatest impact on the energy use of a facility. Since public buildings should last 50 years or more, the savings to taxpayers can be considerable. With new federal energy

In this highly-charged atmosphere replete with many and varied special interests clamoring for attention, AIA North Carolina, a Chapter of the American Institute of Architects, is involved in monitoring and lobbying more than 100 bills which impact the design profession and the construction industry.

taxes a likelihood, these bills make a lot of sense.

Interior Designer Title Registration

House Bill 266, introduced February 25, is a classic case of the wrong bill at the wrong time and for the wrong reasons.

A coalition of interior designers, under the acronym of IDLNC, is seeking title registration--ostensibly to raise standards for persons who design and decorate interior spaces.

The education and testing standards in HB 266, however, stand in stark contrast to a signed Letter of Agreement between the American Institute of Architects and three national interior designer organizations. The letter outlines specific guidelines for states to follow in writing title registration bills.

The letter calls for a four-year minimum professional degree from an appropriately accredited institution. HB 266 allows two-year programs and, in some cases, less.

The letter calls for "no grandfathering without strict and equivalent education, training and testing criteria." HB 266 contains a provision to provide certification for individuals without testing.

"This legislation amounts to a form of 'consumer confusion,'" said Timothy D. Kent, Executive Director of AIA North Carolina. "The public would be deceived into thinking that a certified interior designer has met stringent certification requirements when, in fact, many have not."

The justification for this bill appears not to come from a need for consumer protection but through an attempt by IDLNC to carve a market niche and restrict competition, resulting in increased costs to consumers.

HB 266 would create an "N.C. Board of Certified Interior Designers." The irony of HB 266 is that the afore-mentioned GPAC report concluded that the public needs fewer regulatory boards and that "it is increasingly difficult for the state to monitor its boards and commissions and their roles and responsibilities."

In late March, HB 266 still awaited consideration by the House State Government Committee. Added Kent, "The public would be much better served with no legislation than with HB 266, which provides legal recognition for a group with wildly diverse credentials."



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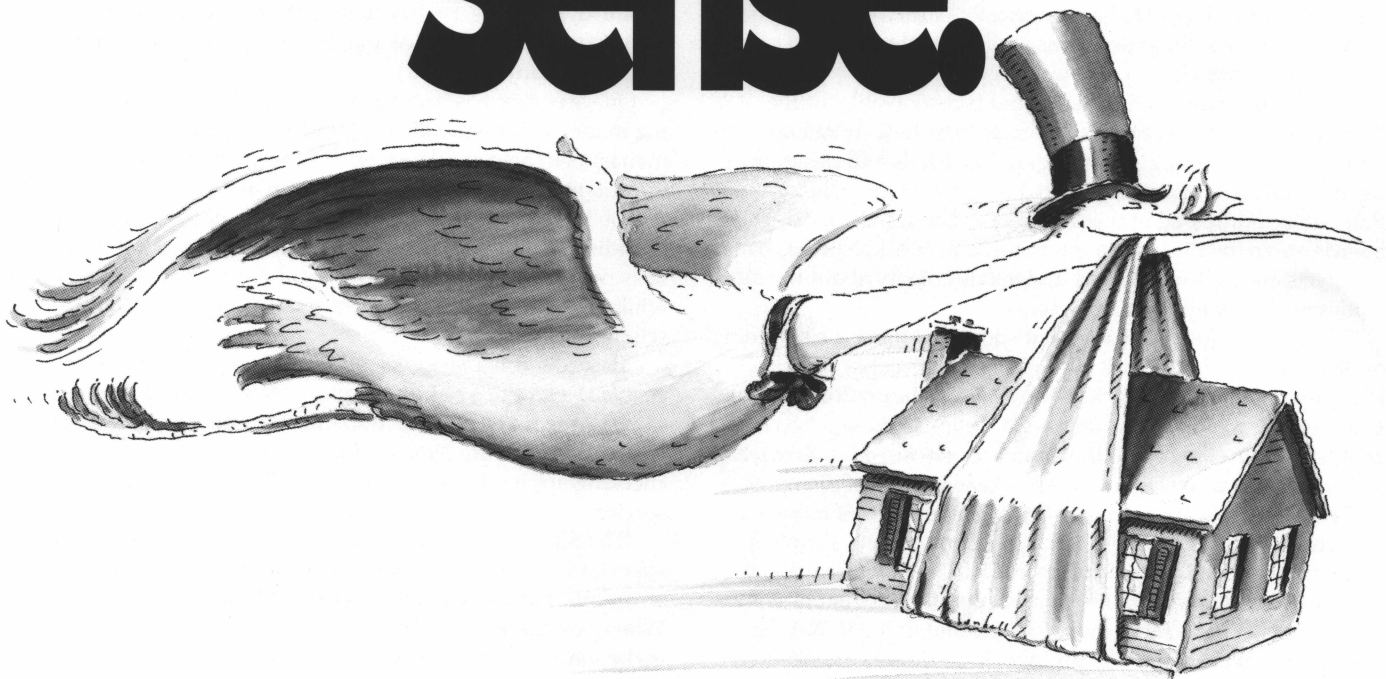
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Educational Facilities

North Carolina Architects Are Equipped To Deal With The Issues

The problems are extreme and hard to overcome. The solutions are far from simple.

Educational K-12 facilities in North Carolina are facing a constant need for change. Population growth, old schools and emerging technology challenge school boards, while the constant cloud of poor funding remains hanging overhead.

A grand total of \$5.6 billion over the next 10 years is the figure thrown out by Dr. Charles Weaver of the N.C. Department of Public Instruction for all of the repairs and new schools that the state of North Carolina is in need of. That doesn't include the hundreds of millions it will take to update these facilities with 1990's computer and communication technology.

"The 10-year long-range plans that have been filed by each local school system is a huge issue," explains Weaver. "That equals about 270 new elementary, middle and high schools, a lot of renovations, additions and attention to environmental issues which were not as prevalent the last time we took this survey of long-range plans back in 1988.

"The General Assembly has to decide what to do about public school facilities. The state has historically participated in some fashion in solving these problems, and that's the question the General Assembly has to deal with right now."

Weaver oversees facility needs and is responsible for the School Facilities Conference scheduled to be held in Raleigh April 13-15. Long-range planning, school needs and designing flexible and functional schools are just a few of the major issues that will be addressed at the conference. Though the local school boards are in the thick of the problem so to speak, North Carolina architects are well-versed and understand plenty about the difficulties facing today's school systems.

"There are statistics around that show that there are a number of old schools, schools built in the 30's and 40's, that are still being operated," says John K. Boal, AIA, of Martin Boal Anthony & Johnson, Architects in Charlotte. "Of course, these schools have problems such as access to the handicapped, out-of-date mechanical and electrical systems and just a general state of disrepair.

"These schools are costing a significant amount of money to the school systems as far as their operation budgets, simply to maintain them and keep them operational at all. Obviously, it costs a whole lot more in the short term to replace that building than it does to put a lot of money into maintaining it. But they need to be replaced, and the problem is getting the money to build new facilities."

Despite funding problems, new schools continue to be designed and constructed for those school systems that have been able to come up with the money to cover the project. The key at this point for the owners is selecting the most qualified architect who will understand the budget limitations and still design a reasonably priced, but not cheap, quality facility.

"I think what you have to look at is that schools are almost prescriptive in the way they are done," says John F. Sinnett Jr.,

AIA, of The Smith Sinnett Associates in Raleigh. "Schools will have a concrete slab and tile and carpet on the floor. They will generally have concrete block walls, and in today's market the majority of schools will have sloping roofs. Schools are also required by code to have a certain amount of windows, exits and everything else.

"When you get through with everything you have to do, the difference between a very good inexpensive school and a really poorly done out-of-date school is probably less than two dollars a square foot. The reason being that so much of what we do is preferred or prescribed that the true difference is in the talent of the architect and the owner's ability to get the architect to deliver the best possible solution in working in concert with the others. Without that teamwork, you get a mediocre building."

Obviously, the architects are heavily involved in helping work out the right budget for the school that each owner is looking for, keeping in mind that in today's day and age it is important to remain conservative in the initial ideas. In short, it's important that school districts get the most for their money.

"Even when we assist in developing the budgets, we always do it in a very conservative manner to where the project will not include unnecessary space and materials that won't support the program," admits Boal.

One area that has become a huge question mark as far as wasting money is the issue of schools hiring their own construction managers to help cut down on the building costs. True, it is important to have a person on site to make sure each aspect of the job is handled correctly, especially when the owners are spending several million dollars on the project. But most architects provide construction administration as part of their services, while the school-hired CMs carry no liability and often cost the schools more money.

"Basically if the owner is willing to pay us a percent to a percent and a half more as an architect, we are willing to provide the same services as a construction management company," continues Sinnett. "We are already doing cost estimates, time schedules, checking applications for payments. This becomes a redundant service.

"The real problem as I see it right now is a need to provide superior inspection services, and the only way you can do that as an architect or an owner is to have a full-time person on site. When you are building buildings that are \$5-10 million it doesn't make sense not to go ahead and hire a competent person as a full-time inspector to put him on site. But the architect's fees are not designed to provide that. The key element is to provide those services in a different vehicle because the owner is paying a disproportionately high price through construction management."

"It's a complicated issue," adds Boal. "In many cases, we have found there is an overlap of responsibility with the construction management firm and the architect. An experienced architect can provide most, if not all, of the services that a construction management firm can offer at a typically greatly reduced price. There

are times, however, when a school system has such a small staff that they do need to buy extra service from the architect, hire additional staff or hire a separate program or construction management firm. We think the issue should be addressed from that standpoint in terms of what are the real additional needs, if any, before a decision is made on how to fill the needs."

Once in the planning stages, the architects find themselves dealing with several major issues, the foremost being the future. Just as many of North Carolina's schools have been around for 40, 50 or 60 years, tomorrow's schools, the ones being built now, are going to be expected to last just as long, if not longer. Keeping that in mind, the architects aren't only designing a school that will fit the needs of the school system now, but also the needs of the school system in the future.

"All of the facilities that we have been designing over the last few years are typically expandable," says Boal. "The systems and the common spaces are usually designed to handle not just the start-up population of the school but an additional number of classrooms that would be built later on the facility."

"You figure these schools have to last a minimum of 50 to probably 80 years," continues Sinnett. "So in mechanical planning, you have to be able to come in and make changes down the road in a way that you can make the changes without tearing up the entire building."

Those changes include constant technology advances, complete with computers, closed circuit television and communication systems. No longer are books the only source of learning for the students. Now programs have reached new levels with today's technology, and will continue to expand in the future.

"We have to balance the front end cost and the long-term maintenance and replacement costs," says Boal. "Technology is receiving a lot of attention as well, in that you are planning a facility that should not only accommodate current technology but future technology also. Those systems are changing every day."

"You have to leave room for change when you are planning a school," explains William T. Doggett, AIA, of Doggett Architects in Raleigh. "You can't predict the technology of the future, but you can predict that it will change and rather rapidly. That's just a basic fact with schools of today."

Still, the program needs of today are a huge concern. In building a new facility, concentration on what the school board wants in their school program plays a major role in just how the project is designed. Adding on to an already existing facility leaves the architect trying to continue with the tradition of the buildings and programs already in place.

"You have to be concerned with the educational program that the community has planned for, which does vary," adds Doggett. "Although there are state guidelines, there is still a tremendous amount of variation in what the different counties and board of educations are planning."

"When adding on to a school, the main problem starts in the programming phase by attempting to accommodate the ideal up-

to-date school program in a facility that is already existing," says Boal. "You are always making certain compromises. You aren't starting with a clean slate, so you can't design an ideal facility."

And what about the children? Architects have found that designing a colorful, playful, fun environment often contributes to the success of the students. This idea keeps consistent with many of the newly designed schools and educational facility renovations recently finished in North Carolina.

"We are extremely sensitive with how schools impact children," explains Sinnett. "A child, who has a moderate to high IQ, can go to school and be bored to death, a non-achiever. So in designing a school building, we want to have the most positive impact on the child, in particular the troubled child, using the building to motivate the community, the teacher and the student. Today's schools can be such a difference from what is expected. If the school system is alert and sensitive to the system, they can capitalize on that and turn it into an advantage."



Bright color enhances learning at J. Edwards Elementary in Lee County, designed by Hayes-Howell Associates, PA

Carolina Friends School Lower Addition

Durham

Owner: Carolina Friends School

Architect: Dail Dixon & Associates,
Architects, Chapel Hill

General Contractor: McLean Building
Company, Carrboro

Photographer: Artie Dixon

The library/classroom addition, simple yet flexible, was built into the hillside directly in front of the Lower School in hopes of providing a more pleasant first image of the Carolina Friends campus. Featuring large windows and full glazed doors, the classrooms and library open directly into a courtyard, while the addition is physically connected to the Lower School building by a covered entry walk, one that provides a playful element to the project. The classroom program required space for independent study, group learning and play. Therefore, the larger classroom was designed to accommodate 30 students sitting in a circle, and the two smaller classrooms allow the children to divide into smaller groups for specialized activities.





Lake Wylie Elementary School

Charlotte

Owner: Charlotte-Mecklenburg Board of Education

Architect: Martin Boal Anthony & Johnson, Architects, Charlotte

General Contractor: Leader Construction, Wilmington

Photographer: Dennis Nodine

This 77,000-plus square foot project, designed for 820 students, is located on a 16-acre site in a rapidly developing suburb southwest of Charlotte. While the site planning includes separate entrances for buses and service vehicles for staff and visitors, assorted play fields and two landscaping courtyards, the project itself includes 32 classrooms, administration space, a media center, computer, visual arts and music labs, theater arts space and multi-purpose athletic space.





Balfour Elementary School

Asheboro

Owner: Asheboro City Board of Education

Architect: The Smith Sinnett Associates,
Raleigh

General Contractor: George W. Kane,
Greensboro

Photographer: Brad & Phyllis Farlow

This site, with its wooded hilltop setting and view through the trees into the rolling hills, calls out to be an educational retreat for little children. The emphasis on preserving the park-like character of the site and creating special places for the children is combined in the conceptual statement. The project is envisioned as a child's journey from the natural rock outcropping at the entry through a gently winding drive approaching the building and outdoor learning areas. As youngsters pass through the colonnades and enter the great hall, they proceed through an exciting menu of visual experiences including friendly administrative offices, lofty and spacious multi-purpose rooms and a whimsical cafeteria entry.



Broughton High School, Science Classroom Addition

Raleigh

Owner: Wake County Public School System

Program Manager: Heery Program Management, Inc., Raleigh

Architect: Small Kane Architects, PA, Raleigh

General Contractor: R.P. Construction, Inc., Raleigh

Photographer: Jerry Blow & Greg Loflin

Despite not using stone and clay tile because of budget limitations, the science addition sensitively respects the context of the original main building constructed in 1929, along with 1935 and 1950 classroom additions. Following the existing building's overall form and matching its color and texture, the architect creates a visual interest. The U-shaped form allows its single loaded, courtyard facing, corridors to tie into the circulation system of the existing building. The science classrooms are grouped in pairs at the wings of the addition and are connected by common storage/teacher participation areas.







South Charlotte Middle School

Charlotte

Owner: Charlotte-Mecklenburg Board of Education

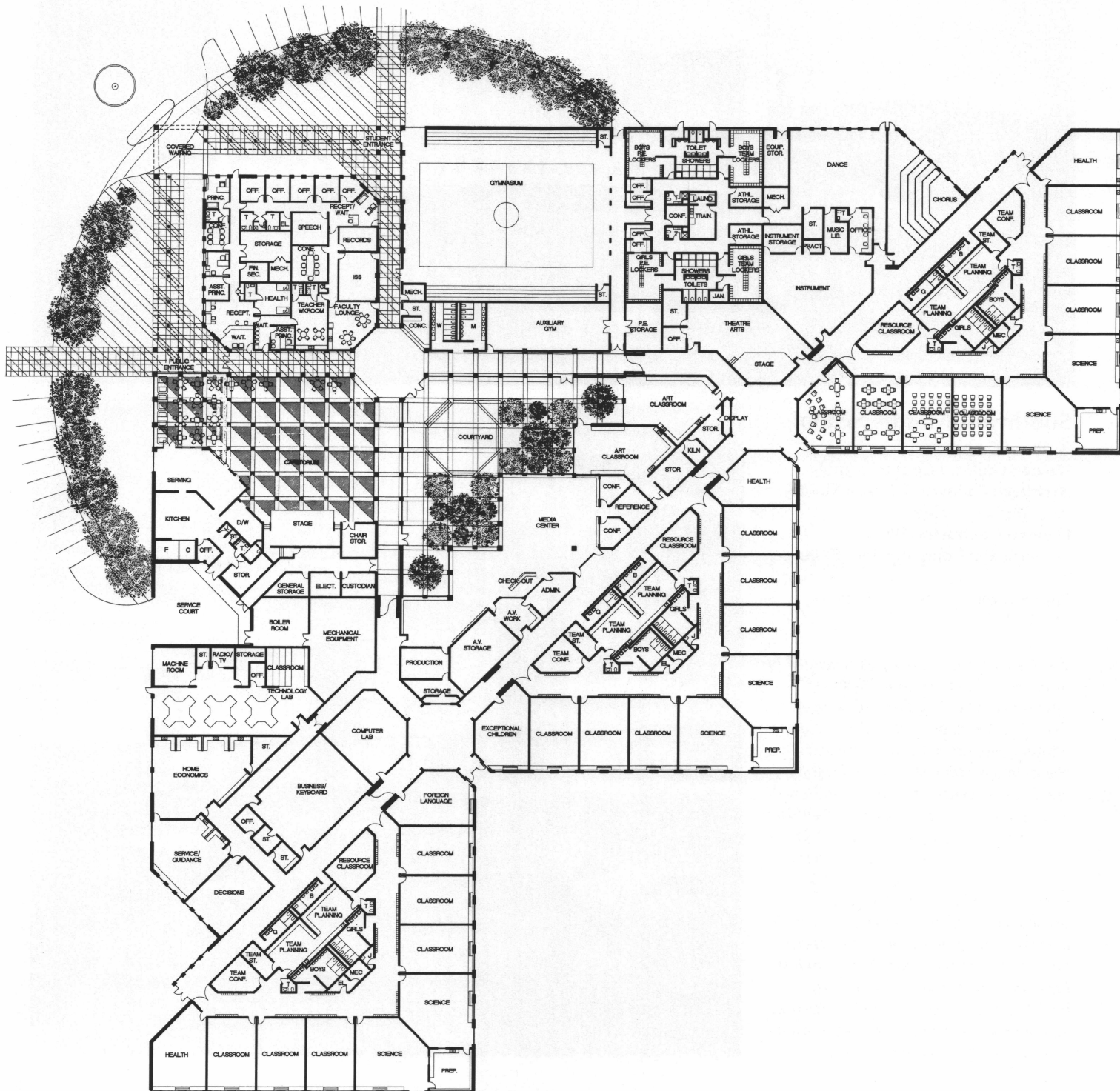
Architect: Gunn-Hardaway Architects, Charlotte

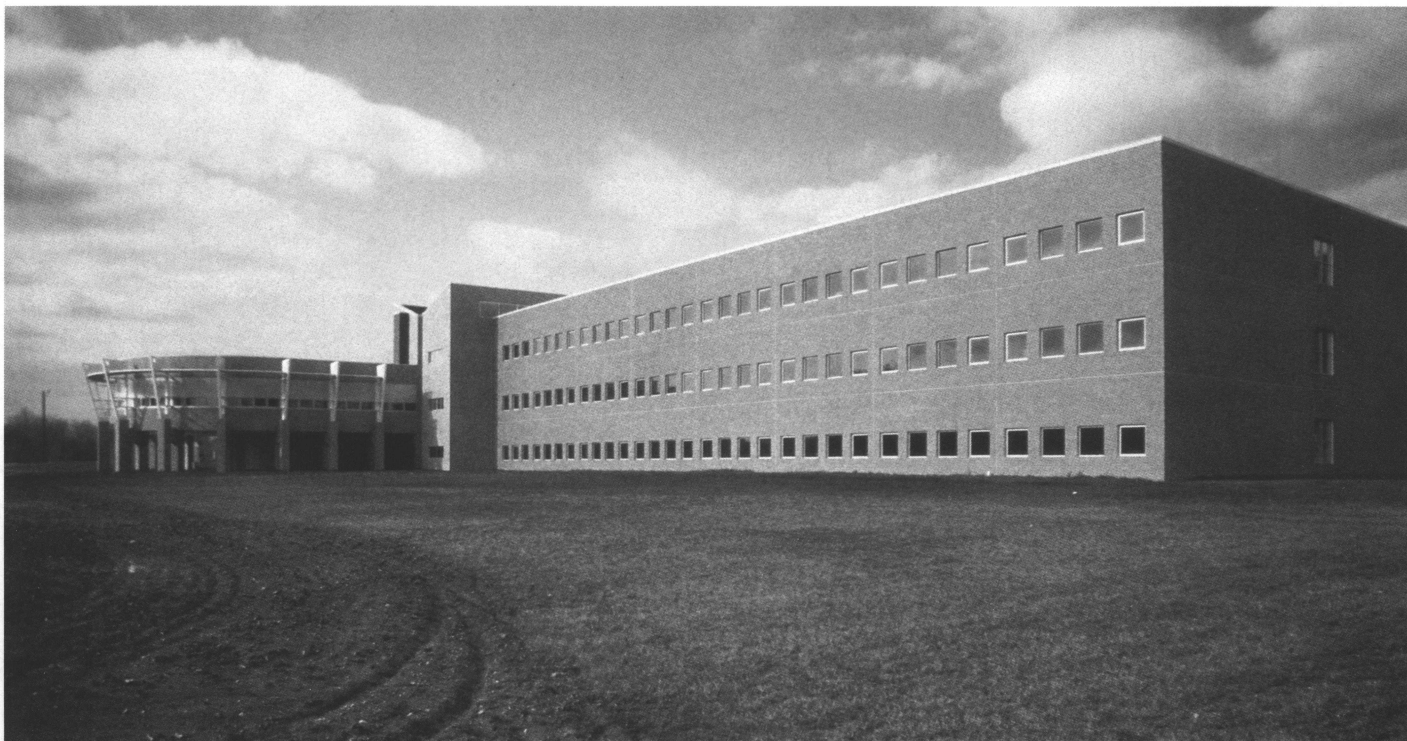
General Contractor: L.P. Cox Company, Sanford

Photographer: Gunn-Hardaway Architects

This school was designed to reinforce the child centered educational program that forms the basis of a true middle school. Located next to a 100-acre district park, the triangular geometry of the building separates each grade level into a self-contained "pod", breaking from the traditional double loaded corridor arrangement. On either side of each grade level pod are groups of four classrooms and one science lab, forming the basis of one academic "team." This school within a school allows each grade to be grouped together and enables these transitional aged students to change classes without circulating through the entire school. Featuring all the necessities, gymnasium, cafeteria and so on, the project is organized around a heavily landscaped courtyard which is used for outdoor dining and includes an art court and library court for outdoor classes.







Southwest Middle School

Guilford County

Owner: Guilford County Schools

Architect: Calloway Johnson Moore, P.A., Winston-Salem

General Contractor: Wise Construction Company, Inc., Florence, SC

Photographer: Calloway Johnson Moore, P.A.

The design of this project was generated in response to the site; typical Piedmont rolling land with heavily wooded areas. This 125,000-square foot facility, accommodating approximately 800 students, allows for the sixth, seventh and eighth grades to each have its own self-contained academic area, in this case one of the floors of a three-story wing. Each "house" features general classrooms, science, math and special education areas, as well as conference and teacher workrooms. Students leave their area to go to specialty classes, the gymnasium, the media center and the cafeteria. The focus and hub of the building is a Student Commons, a large hall that serves as a public entrance, an informal assembly, a display space and an area for other special functions.



Continuing Education

AIA North Carolina Planning New Program

Continuing education is nothing new for many professions. Practitioners in medicine, law, accounting and other fields routinely must supplement their working experience with educational activities in order to advance or maintain their licenses to practice.

Beginning in 1996, membership in The American Institute of Architects includes continuing education responsibilities as well. The Institute's bylaws were amended at last summer's national convention, requiring architects to report documented learning activities to renew their AIA memberships each year.

AIA North Carolina leaders admit that the introduction of an additional requirement for membership has not been unanimously embraced within the profession. But their members may be quicker to adapt to the change than others; the state chapter has taken a prominent position in developing beneficial educational opportunities for the organization's 1,475 members.

AIA North Carolina offers to members a wide range of activities that are likely to count for CE credit when the requirement takes effect. In the last year alone, the organization presented numerous seminars on topics ranging from daylighting to business development, as well as a 12-hour video conference on the Americans with Disabilities Act (ADA) and its emerging influence on the built environment.

This year, AIA North Carolina has another extensive three-part video conference on tap to explore environmentally-sensitive design, plus other major seminars on Total Quality Management and Career Transitions. Many of the activities surrounding annual functions such as the Spring Break and the Summer Design Conference are planned to include opportunities for architects to augment their practices with new information on emerging issues. The chapter's Education Committee, chaired by H. Michael Hill, AIA, is now helping to develop topics for six seminars to be presented at this summer's Conference in Pinehurst.

Additionally, AIA North Carolina also is involved in a pilot program to determine precisely how the new CE requirements will be implemented and regulated when they take effect. Just last month, the AIA began seeking volunteer participants for its pilot program, to help shape the system and standards of the future required program.

"In a state as large as ours geographically, accessibility to CE is a critical consideration," says AIA North Carolina executive director Timothy D. Kent. "In addition, the subject matter must be cutting-edge information the practitioner needs in order to succeed."

Just how the new continuing education system (CES) will work is still in the embryonic stages. The AIA's Lifelong Learning Task Group is developing the plan through a research center at the University of Oklahoma. It is expected to accomplish four primary objectives:

1. Be accessible and affordable.
2. Be credible and relevant.
3. Be understandable and efficient.
4. Be coordinated and compatible with programs and policies of collateral organizations, individual state boards and allied organizations.

A year-long study of the subject has established some important parameters in meeting those objectives. The program's approach will be self-directed, for example, and a core curriculum on health, safety and welfare will be required for roughly one-third of an architect's annual CE credits. A variety of learning activities, not exclusively academic coursework, will be acceptable in meeting requirements.

The AIA's ultimate CES is likely to be flexible in terms of program options and methods of learning. Architects will be encouraged to select programs that meet their specific practice needs, and everything from traditional educational formats such as seminars and coursework to non-traditional formats such as teleconferences, videotapes and computer software will be acceptable methods of learning.

CE offerings will be evaluated based on standards of quality, with prior-approved workshops carrying more credit weight than lunch-time lectures. Records will be maintained through the AIA national office and be made available through the AIA Online computer service.

AIA leaders point out that one of the more noteworthy aspects of the CE program is that it is self-imposed, a response to the constantly-evolving environment in which architects practice.

"The kinds of regulations we have to respond to are continually changing," says AIA North Carolina president Halbert M. Jones, AIA. "Things like the ADA, environmental regulations, these are all in the process of developing. People who passed the (registration) exam only a few years ago may not be up to speed on these things, so this is an effort to keep people up to current standards."

"There is pressure across the country on architects to have a continuing education component of maintaining licensure. This is probably a pro-active response to that kind of pressure building up. It also makes belonging to the AIA mean more than just paying dues."

It also is important to note that there are few models to follow in establishing a CES. Requirements in other professions range from eight to 50 hours per year and vary widely by states. Only two states currently mandate CE for architects – Iowa, which requires 20 hours per year, and Alabama, which requires 12.

As architectural leaders grapple with developing their program, they also must be sensitive to internal public relations needs required by the impending changes.

"When it came to a vote, we were opposed to it on principle because it's one more thing on top of everything else that we were forcing on our members," Jones says of the CE requirements. "But now that it has been passed, we very much feel it is a good thing. And if it's going to come, it's better that the AIA do it to itself as opposed to having the National Council of Architectural Registration Boards or the N.C. Board of Architecture force it upon us. This way, we get to guide the criteria and make it as accessible as we can to the members."

Response across North Carolina has been mixed, says Hill of the Education Committee. "About half and half. Some think it's a good thing to do and others think it's just another regulation, another level of paper work to do. But after a few years of being saturated with the notion of having continuing education, I think the general membership will see the benefit."

Off The Drawing Board

Jury Chosen For 1993 AIA North Carolina Awards Program

William Turnbull Jr., FAIA, an internationally-renowned architect and director of William Turnbull Associates, will chair the jury for the 1993 AIA North Carolina Design Awards program.

Joining Turnbull on the jury will be three other prominent West Coast architects: Jim Jennings, AIA; Dmitri Vedensky, AIA; and Allison Williams, AIA.

Philip G. Freelon, AIA, chairman of the awards program this year, reports that the jury was selected with several goals in mind. First, the chapter hopes to gain a fresh perspective by selecting jurors from beyond the East Coast area, which has produced most of the jurors in the recent past. Also, the awards committee wanted to assemble a jury with design experience that is varied in project type and scope. Finally, they sought a group of architects diverse in age, gender and background to reflect the rich diversity of the AIA North Carolina membership and its design work.

Turnbull, a former professor of the Yale University School of Architecture, won an AIA Twenty-Five Year Award in 1991 for the Sea Ranch Condominium Development. His San Francisco-based firm has completed a variety of structures throughout the U.S. and abroad totalling over \$250 million in construction value.

Jennings, principal of Berkeley-based Architecture, is a multiple winner of *Progressive Architecture* design awards. Vedensky is principal of his own firm and is now the chair of the San Francisco AIA awards program. Williams is an associate partner in the San Francisco office of Skidmore, Owings and Merrill, for which she has produced a number of award-winning designs.

Formal announcement of the 1993

AIA North Carolina Design Awards program, including entry forms, will be mailed to the membership in mid April. Turnbull will present the awards at the Summer Design Conference in Pinehurst on Aug. 13.

Awards And Recognition

Odell Associates Inc., of Charlotte served as associate architect for the NationsBank Plaza building in Tampa, Fla., which recently won an Honor Award for architectural excellence from the American Institute of Architects, the highest recognition the organization presents for building design.

The 600,000 square foot, 32-story office tower was developed in 1989 by a joint-venture of then NCNB and Faison Associates of Charlotte. The Honor Award will be presented in June at the AIA national convention in Chicago to Odell and to Harry C. Wolf, FAIA, of WOLF+, the building's architect.

Announcement of the award took

place in January at an Accent on Architecture awards dinner in Washington, D.C., which was attended by Odell managing principal **Robert Kellner, AIA**.

AIA North Carolina has been honored for having the best overall government affairs program of any AIA state or local component in America. A national jury of AIA members and executives singled out the North Carolina chapter for its concerted effort to inform its membership and legislators of issues impacting the architectural profession.

In the halls of the North Carolina General Assembly, AIA North Carolina has developed a respected and recognized presence. Executive director **Timothy D. Kent** credits the chapter's overall communications effort, member involvement from the grassroots level and a strong political action committee.

"In the mid 1980s, AIA North Carolina made a concerted effort to take a more pro-active role in government



AIA North Carolina receives government affairs award. From L-R: AIA North Carolina Executive Director Timothy D. Kent; President Halbert M. Jones Jr., AIA; AIA Executive Vice President/CEO James P. Cramer, Hon. AIA; AIA President Susan A. Maxman, FAIA.

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affairs," said Kent, who joined chapter president **Halbert M. Jones Jr., AIA**, in Washington, D.C., for the awards ceremony. "Thanks to the involvement of our volunteer membership and the wise guidance of our legal counsel, Sam Johnson, we are now considered a model for other AIA components across America."

Several North Carolina architects received awards in the sixth annual Contract Design Competition conducted by the Institute of Business Designers (IBD) Carolinas Chapter. Of the 18 projects recognized, here are the AIA North Carolina members honored:

Gantt Huberman Architects, Charlotte, with IBD Gold for David-Bernards Shoes in Charlotte.

Jim Samsel Architects, Asheville, with Honorable Mention for Bellagio in Asheville.

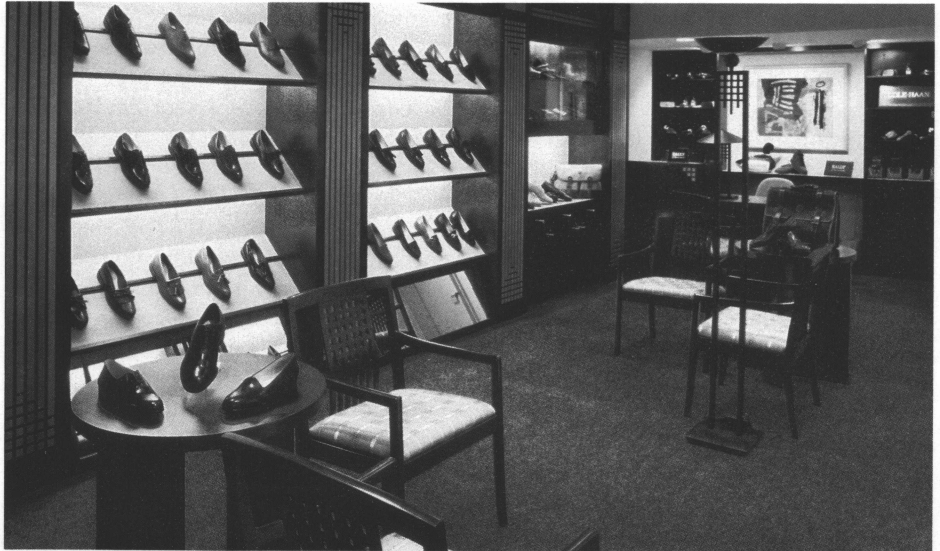
Odell Associates Inc., Charlotte, with IBD Gold for Shriners Hospital for

Crippled Children in Minneapolis, and with Honorable Mention for Carolinas Partnership Welcome Center in Charlotte.

Peterson Associates P.A., Charlotte,

with IBD Silver for Randolph Hospital additions and renovations in Asheboro.

Kelly/Pfahl Architects, Charlotte, with IBD Gold for Park Meridian Bank in Charlotte.



IBD Gold winning David-Bernards Shoes, Gantt Huberman Architects



IBD Gold winning Park Meridian Bank, Kelly/Pfahl Architects



IBD Gold winning N.C. Biotechnology Center, Shive Associates Architects

Jenkins-Peer Architects, Charlotte, for WCNC-TV 36 Corporate Headquarters in Charlotte.

Shive Associates Architects, Charlotte, with IBD Gold for the North Carolina Biotechnology Center in Research Triangle Park.

J.N. Pease Associates, Charlotte, with IBD Silver for Duke Power Customer Service Center in Charlotte.

Additionally, Odell received an IBD Silver and Shive an IBD Bronze in the Best of Show category for the Shriners Hospital and N.C. Biotechnology Center, respectively.

Four projects were honored recently with AIA North Carolina Eastern Section design awards. Merit awards went to **Applegate Architects** in New Bern for its design of the Cherry Point Federal Credit Union and the Main Post

Office of New Bern. Honor awards were presented to **The LSV Partnership, Architects/Planners** of Fayetteville for a Child Care Facility at the Cape Fear Valley Medical Center and the Cliffdale Branch of the Cumberland County Library.

The jury consisted of dean **Tom Regan**, department head **Chris Saccopoulos** and professor **Pat Rand** of N.C. State University.

The Interfaith Forum on Religion, Art and Architecture (IFRAA) seeks to encourage design excellence through its annual design awards program for religious projects. The organization is now accepting entries for built and unbuilt structures for its 1993 awards program. Entry forms are due by July 1 and submissions by August 2. Entry forms and requirements are available from IFRAA

National Headquarters (telephone 202-387-8333). The jury this year consists of Fay Jones, FAIA; Cynthia Weese, FAIA; and Rev. James Parks Morton, dean of Cathedral of St. John the Divine in New York City.

Curtis W. Fentress, a 1972 graduate of N.C. State's School of Design, recently was honored as a winner of an international design competition for the \$550 million main terminal building at the New Seoul Metropolitan Airport located in Seoul, Korea.

Fentress is principal in charge of design for C.W. Fentress J.H. Bradburn and Associates of Denver. Also cited as members of the design team for the airport were McClier Aviation Group of Chicago and Baum, Hi-Lim, Jung Lim, Wondoshi of Seoul.

The 2.8 million square foot project, scheduled for completion in the year

Survey Hints Towards Steady Recovery For Architecture

A stronger economy, a greater number of business opportunities and increased hiring of architects point to a slow yet steady recovery in the architectural profession and building industry, according to a recent survey of architecture firm owners conducted by The American Institute of Architects.

The telephone survey, the AIA's second in the last year, polled 300 firm principals from every state and the District of Columbia. Two-thirds of the firm owners who participated in this survey also took part in the first AIA survey last May.

"Unfortunately, architects in some areas of the country have yet to see much improvement, but this survey shows that the profession and the building industry are on the road to recovery," said James P. Cramer, Hon. AIA, the Institute's executive vice president/CEO. "It may be a long, slow and sometimes bumpy road, but at least we're traveling in the right direction."

The significance of this survey, as compared to other means of measuring the architectural profession and building industry, rests with the participation of the architects, Cramer said. "Most measurements of the building industry are based on construction contract awards and permits," he said. "These awards

and permits can occur months after architects have been contracted to design projects. Thus, by contacting architects about business opportunities, we can cut through that lag time and get a clearer picture of what is occurring now and will be happening in the near future."

An overwhelming majority (80 percent) of the survey participants said that the economic recession as it pertains to architecture practices in their geographic areas was over or at least had bottomed out, a 28 percent increase over the results of last May's survey.

In addition, nearly half (46 percent) reported increased business opportunities in their areas, while only 16 percent said opportunities had declined. Principals with firms of 10 or more architects were particularly encouraged by the growth in business opportunities.

As a result, nearly one-third of the principals said the number of architects employed by their firms grew since last May. This trend was particularly pronounced among larger firms (with 20 or more architects employed). More than half (58 percent) of the larger firms reported increases in architectural hires. Last May, only 33 percent of these large firms reported new hires and 35 percent said they had made layoffs since the beginning of 1992.

Large firms employ 40 percent of the nation's architects. "The growth in hiring among larger firms is particularly important, because many larger firms have been forced to make extensive layoffs the last three years," Cramer said. "It's encouraging to see many of these firms are beginning to hire again."

On another positive note, 57 percent of the survey participants said they are projecting increases in billings for 1993, while only 13 percent expected decreases. Educational facilities top the list of building types for which business opportunities have increased since last May. The remainder of the top five hottest building types: commercial, health-care, single family residential, and renovation.

While the majority of architects in most regions reported increases in business opportunities, architects in some areas still reported slower growth. Most significant among these regions were the Pacific, the Mountain and to a lesser extent the South Atlantic, which includes North Carolina. The South Atlantic also joined the Pacific in reporting the smallest percentage of new hires. On the bright side, the South Atlantic was among the regions with the biggest increase in single-family residential work.

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2000, will serve an expected 100 million passengers per year through 174 gates. Fentress says the design concept draws its architectural vocabulary and inspiration from Korea's historical past, the future and the surrounding natural environment.

In The Works

Padgett & Freeman, Architects, P.A., of Asheville, is the architect for a new \$1.5 million restaurant and restroom facility for the Biltmore Estates. The facility, located adjacent to Richard Morris Hunt's 1895 main house, will feature a 260-seat dining room and an 80-seat exterior eating terrace. Padgett & Freeman completed two previous AIA North Carolina Design Award-winning projects for the Biltmore Estates, including the Deerpark Restaurant and Winery.

Lee Nichols Architecture of Charlotte designed the new School of Social Work currently under construction at the University of North Carolina in Chapel Hill. When the \$10.2 million project is completed in 1995, it will consolidate in one structure the school's many functions and services that now occupy five campus buildings.

Haskins, Rice, Savage & Pearce, P.A., of Raleigh, is designing renovations for the McBryde Wing at Dorothy Dix Hospital in Raleigh. The renovation will be about 100,000 square feet and will house about 172 beds in the adult rehabilitation division.

J. Hyatt Hammond Associates of Greensboro is designing a 70,000 square foot Davidson County Governmental Center; a 15,000 square foot Davidson County Community College public safety building; a 20,000 square foot building on the Davie County campus of Davidson Community College; and a new animal shelter in Guilford County.

Odell Associates Inc., of Charlotte is handling design and engineering for the new \$45 million Shriners Burns Institute in Boston. The Burns Institute will contain 30 patient beds along with research laboratories and administrative facilities. In replacing an existing hospital that was built in the late 1960s, the new structure will include 200,000 square

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feet of medical space and 70,000 square feet of below grade parking for 100 cars. The primary focus of the Institute is research into the treatment of and care for children injured as a result of severe burns.

Stogner & Kanoy, PA, of Rockingham was awarded the design contract for the renovation of an old shopping center for use as new headquarters for the Department of Social Services and the Health Department in Richmond County.

Hayes, Seay, Mattern & Mattern of Greensboro designed a \$6.7 million Central Campus parking deck under construction at UNC Greensboro. The five-story structure will include 812 parking spaces, increasing by 25 percent the number of parking spots on campus.

Cherry/Huffman Architects, PA, of Raleigh has been selected to design a Visitors and Education Center for the N.C. State University Arboretum. The facility will be constructed within the existing garden environment and will accommodate teaching, research and visitor functions. Cherry/Huffman also is designing an Observation Park for the Raleigh-Durham Airport Authority. It will include exhibits about aviation and the airport's history.

Hayes-Howell, Professional Association of Southern Pines is the architect for a new student center to be constructed at Elon College. The two-story structure will house a student union, book store, campus government offices and areas for other activities. The \$6 million project is scheduled to begin construction this spring and take about 20 months to complete.

McKimmon Edwards Associates of Raleigh and **Shive Associates** of Charlotte have been chosen by the North Carolina Bar Association to design the new Bar Center near Raleigh-Durham International Airport. The N.C. Bar Association provides services to attorneys and the general public and has 9,700 members.

Yates-Chreitzburg Architects, PA, of Concord is designing a new home for Cabarrus Academy, a private school for

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about 350 students in grades junior kindergarten through eight. The 40,000 square foot structure in east of I-85 near Concord is expected to open during the fall of 1994.

Richard Pierce, AIA, of Morganton is renovating two hospitals, Mountain View Care Center in Marion and South East Specialty Hospital in Greensboro. Mountain View is an 87-bed home for the aged being fashioned from Marion Hospital. South East Specialty formerly was known as Richardson Memorial.

The town of Wake Forest has awarded an architectural services contract to **O'Brien/Atkins Associates** of Research Triangle Park to design a new public works facility for the community.

Fowler-Jones Construction Company is serving as general contractor for three new Winston-Salem projects by AIA North Carolina architects:

A new adult education center for Calvary Baptist Church and School, replacing the original chapel and classroom building constructed in the mid

1960s. **Architectural Design Associates** of Winston-Salem is the architect.

A new 60-unit adult assisted-living project for low to moderate income elderly citizens. The architect is **Ray Troxell & Associates** of Winston-Salem.

A new 26,000 square foot Special Children's School, designed by **Newman & Jones, P.A.**, of Winston Salem.

We Beg Your Pardon!

The following were inadvertently left out of the 1993 AIA North Carolina Directory:

Tony L. Johnson, AIA
Tony L. Johnson, Architect
P.O. Box 222
Knightdale, NC 27545
(919) 266-7237

John Frederick Stewart, AIA
Frederick Stewart, Architect
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Raleigh, NC 27603
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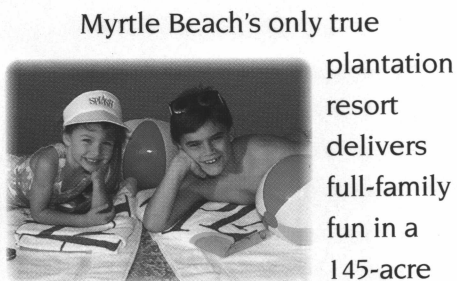
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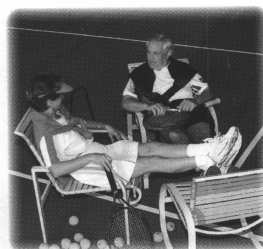
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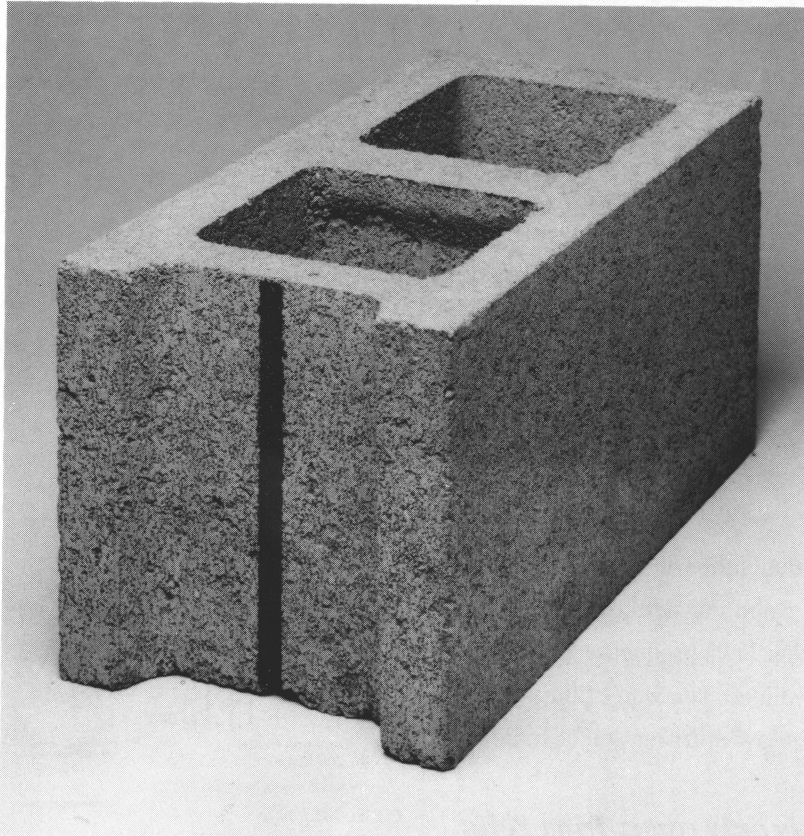
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