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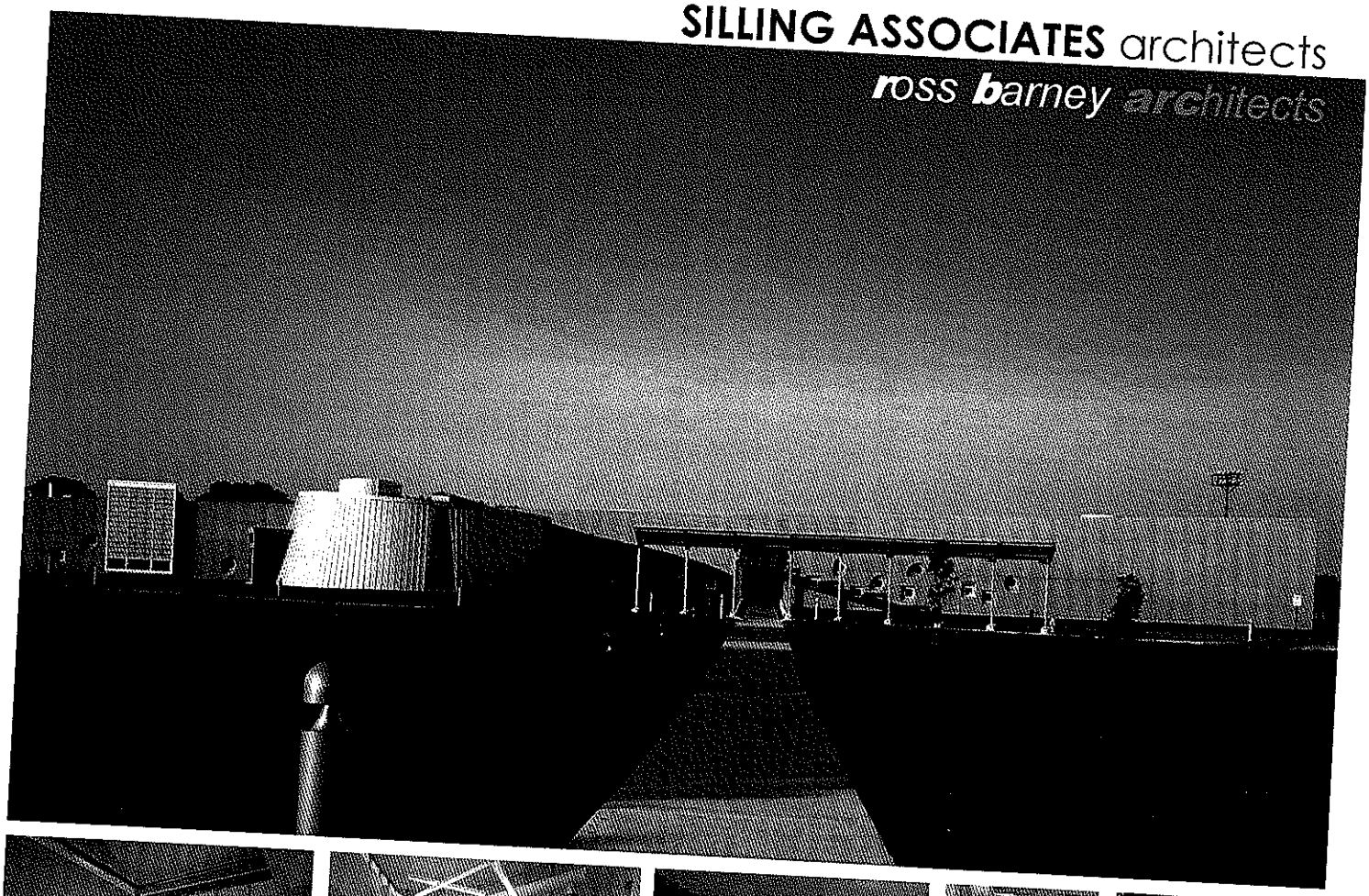
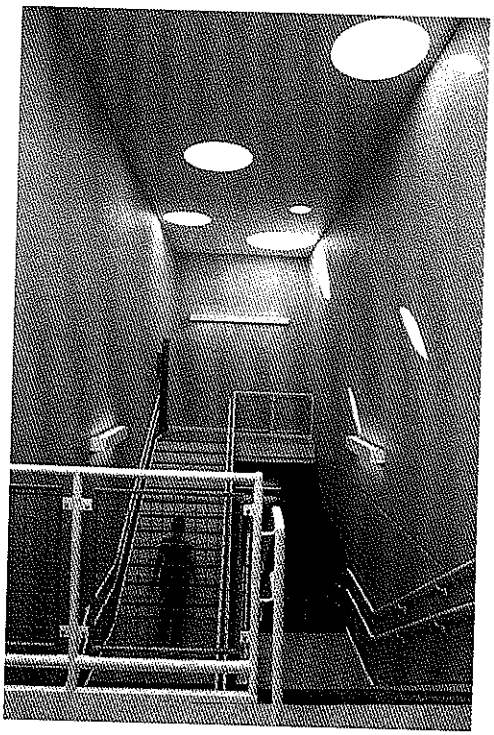


West Virginia Division of General Services
New Capitol Day Care Center
Charleston, West Virginia
RFQ No. GSD116404



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SILLING
ARCHITECTURE PLANNING INTERIORS

405 Capitol Street, Upper Atrium
Charleston, West Virginia 25301-1727
p 304.346.0565 f 304.346.1522
web www.silling.com

September 21, 2010

Purchasing Division
2019 Washington Street, East
Charleston, WV 25305-0130

Re: Expression of Interest, New Capitol Daycare Center (GSD116494)

Dear Selection Committee Members,

Silling Associates, Inc. is pleased to submit an Expression of Interest to provide complete architectural/engineering design and construction administration services for the new Capitol Daycare Center project. We offer the General Services Division one of the most professional and experienced architectural firms in the state of West Virginia offering an unparalleled reputation for quality design and project management and a highly-talented design team with years of project collaboration and success.

A key member of our planning and design team will be **Ross Barney Architects**, an award-winning and nationally-recognized design firm from Chicago, Illinois. As you will see within their portfolio of work, Ross Barney offers an extensive and highly-diverse mix of early childhood planning and design expertise serving Federal, State, university, municipal, and non-profit organizations. Their project designers have participated in the Harvard University, Graduate School of Design Professional Development Program **"Child Care Design Institute"**. This award-winning program enables architects to interact with childcare specialists, childcare developers and educators. This institute was conducted by a pioneer in the advocacy of innovative facilities for children, Dr. Anita Rui Olds. In addition, individuals from our firm have participated in an **Annie E. Casey Foundation, Centers for Working Families** design charrette in Baltimore, MD that explored the needs of the working family and the possible services that would best meet their needs. The major topic of the charrette was building flexibility, to accommodate the ever-changing services and programs being provided for children and their families.

Additionally, and very important to note, Silling Associates was commissioned in 2009 to develop plans for the WV Revenue Center to house the many state revenue agencies, as well as plans for replacement of the existing daycare facility. Under that contract, our firm worked extensively with the current administrative daycare staff to produce a well-developed programming document outlining the spatial and technical needs of the daycare operations. The result is an organized and specific programming document reflecting the mission of the Capitol daycare center with detailed information on square footage needs, adjacency relationship, and special requirements. Likewise, in developing three unique conceptual schemes for this large revenue center located at the corners of Washington and California, we have an extensive background of information on site issues and urban context as well as base mapping and computer modeling of the surrounding neighborhood. Prior to this effort, Silling Associates was also commissioned to study five differing sites for potential relocation of the daycare center, including sites along Michigan Avenue, Sydney Avenue, Washington Avenue, and Quarrier Street. Through these test-fit site studies, we have a solid background and understanding of the various site and building orientation issues unique to the Capitol daycare project.

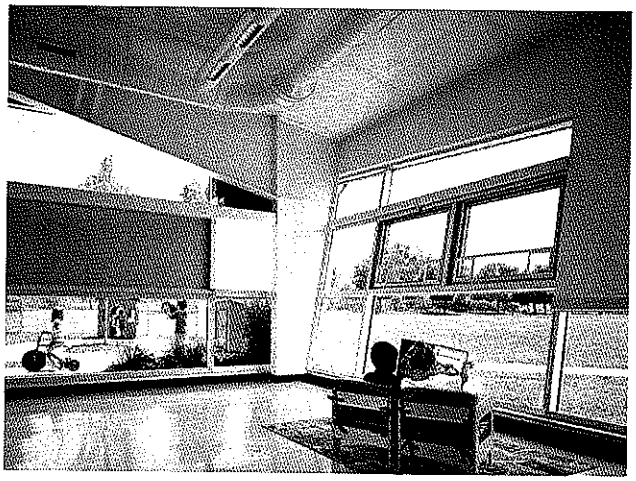
We have enclosed a summary of our qualifications for your review including firm profiles, professional resumes, project experience, and client references. We believe that through our unique programming and site analysis experience specific to this project, along with the design leadership and perspective of a nationally recognized early childhood development design consultant, we can provide great efficiencies in terms of project schedule as well as overall design costs to the State of West Virginia. We look forward to an interview and opportunity to discuss in further detail our experience and specific approach to this very exciting project.

Sincerely,

SILLING ASSOCIATES, INC.

Jody Scott Driggs, AIA
Principal

Thomas M. Potts, AIA
Jody S. Driggs, AIA



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Introductions - The Architectural Team

Silling Associates, Inc.

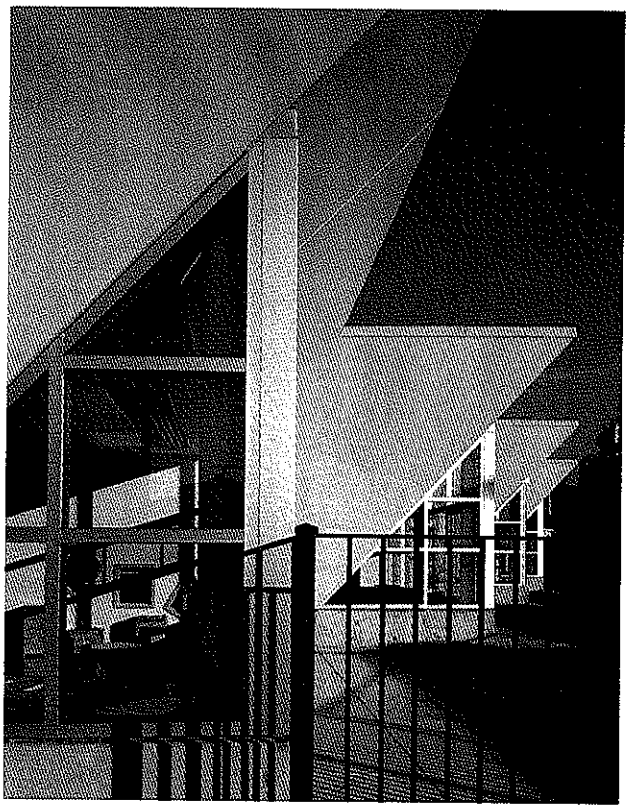
Architectural success is measured by vision and an unwavering dedication to excellence. This axiom was the philosophical birth of Silling Associates Incorporated by H. Rus Warne in 1902. Following the lead of partners like Warne and its namesake, Cy Silling, the firm today has the proud distinction of being the oldest continuing architectural firm in West Virginia and one of the oldest in the eastern United States. Throughout, Silling Associates has woven itself into the very fabric of West Virginia, providing planning and architectural services that have touched the lives of virtually every citizen and delivering landmark projects collectively defining its built environment.

Whether through its early century beaux arts and neo-classical collection, its mid-century modern and post-modern portfolio, or its current contextual vocabulary, Silling has always been renowned as one of the premier architectural firms in the state. Today, Silling Associates continues to have a powerful impact on the region's architectural landscape through fresh, yet solid design and responsible project management.

Ross Barney Architects

Ross Barney Architects strives to improve the built environment. ***r_barc*** believes that design should be symbolic of the higher purposes of public building capturing a contemporary vision of today's society. We enjoy an international reputation for work primarily in the field of institutional and public buildings that include libraries, public utilities, government, transportation buildings, and elementary schools. Our buildings have received significant design awards, honors and recognitions, including four Institute Honor Awards from the American Institute of Architects and over twenty five awards from AIA Chicago. Our firm was the recipient of the American Institute of Architects Illinois, 2000 Firm Award. Our work has been published in architectural journals, such as *Architecture, Architectural Record, Architectural Review* and noted in newspapers and books including the *New York Times, Washington Post, Chicago Tribune, Chicago Sun Times* and *USA Today*.

Ross Barney Architects is an Illinois Corporation licensed to practice Architecture. Organized in February of 1981 as Carol Ross Barney Architects, the firm has successfully served a diverse group of clients providing complete Architectural design services. Ross Barney Architects is a woman owned, small business enterprise certified by the City of Chicago and the State of Illinois.



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Introductions - The Engineering Team

Scheeser Buckley Mayfield LLC

Scheeser Buckley Mayfield was established in 1959 by Walter L. Scheeser and Edwin J. Buckley, specializing in the design of mechanical systems for the construction industry. The firm has enjoyed a steady growth in clients and geographical area served throughout its history, and its services now include electrical, civil, and telecommunication design. Entering its 50th year of operation, Scheeser Buckley Mayfield routinely serves Silling Associates and the State of West Virginia on a diverse mix of project types, sizes, and complexities.

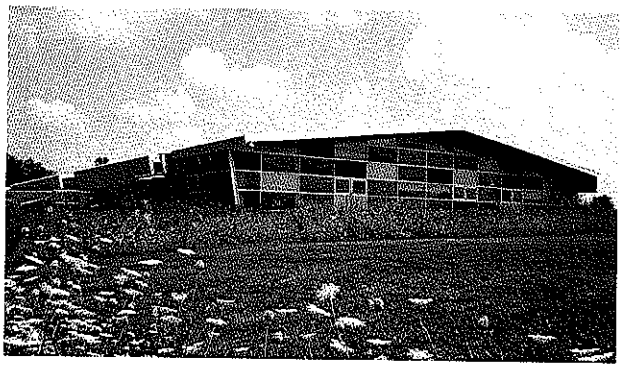
Scheeser Buckley Mayfield LLC has developed an outstanding reputation for both its accessibility to its clients and the clarity and completeness of its documents. The firm has been a leader in the application of new technology. It has extensive experience in the design and analysis of projects of all sizes, which it can draw upon for future projects. Each project requires an analysis of the most cost effective system available based on the client's design parameters. It is also the responsibility of the design team to determine if other options exist which may be beyond the scope of the current budget and which need to be considered on the current project to allow for future growth. Scheeser Buckley Mayfield LLC gives this personal attention to each project by determining the project design which can be implemented within the client's budget while applying innovative design concepts.

Shelley Metz Baumann Hawk, Inc.

Shelley Metz Baumann Hawk, Inc. specializes in providing quality structural engineering services for architects, contractors and building owners. Our commitment to providing quality services since 1972 has resulted in exceptional experience with all building types including Educational, Commercial, Healthcare, Institutional, Recreational, Public Projects, Religious, and Residential. As a full service structural engineering firm Shelley Metz Baumann Hawk, Inc. provides the following services: Design and documentation of building projects including new construction and renovations using steel, concrete, masonry and wood; Analysis and inspections of existing structural systems; Failure Analysis and Investigations; Expert Witness Testimony; Foundation Systems; Feasibility Studies; and Code Analysis.

The firm and individual staff members are committed to providing service of the highest quality. The key to success of any project is balanced design, functionality and costs. We work closely with our clients to ensure that the structural design compliments each building. The leadership team of Shelley Metz Baumann Hawk, Inc. has over 120 years of combined experience in structural design.

Early Childhood and Family Centers



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Over the years, Ross Barney Architects has earned a reputation for creative planning and design expertise in Child and Family Centers for many Federal, State, university, municipal and non-profit organizations. The range of project conditions we have encountered – from the urban constraints of **The Cook County / City of Chicago Child Care Center** and the historic guidelines of **GSA's Fort Benjamin Harrison Child Care Center** in Indiana, to the accommodation of a specific educational philosophy of **Governors State University's Family Development Center** and the reflections of the community heritage at **The Jubilee Family Resource Center** in the North Lawndale neighborhood of Chicago - has given us a great deal of experience in reading, interpreting and responding to these conditions to create early education and child care centers that are special to it's users and community.

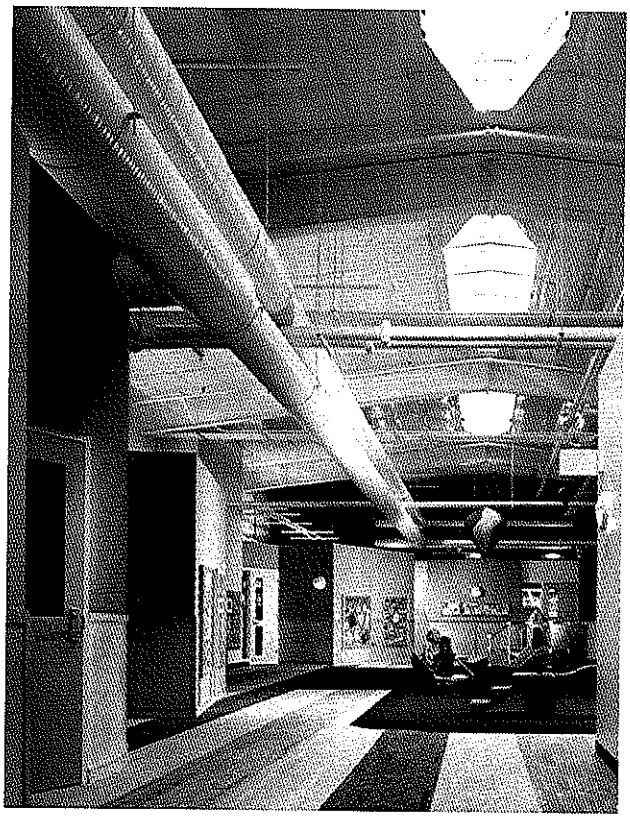
To further enhance our commitment to the design of child and family care centers, Ross Barney Architects' project designers have participated in the Harvard University, Graduate School of Design Professional Development Program **"Child Care Design Institute"**. This award-winning program enables architects to interact with childcare specialists, childcare developers and educators. This institute was conducted by a pioneer in the advocacy of innovative facilities for children, Dr. Anita Rui Olds. In addition, individuals from our firm have participated in an **Annie E. Casey Foundation, Centers for Working Families** design charrette in Baltimore, MD that explored the needs of the working family and the possible services that would best meet their needs. The major topic of the charrette was building flexibility, to accommodate the ever-changing services and programs being provided for children and their families.

Project designers have recently attended and have presented at the **National Association for the Education of Young Children** Conferences. Over 200 attendees were able to tour the recently completed College of DuPage, Louise M. Beem's Early Childhood Education and Care Demonstration Center while discussing the collaborative process involved in developing an early childhood facility.

Two of our most recent facilities addressed varied program and site conditions. The **Mitzi Freidheim Englewood Child + Family Center** is located in a state-of-the-art, 32,000 square-foot facility that opened in early 2007 in Chicago's Englewood community. The center supports a wide range of programs serving children and parents including Head Start, Early Head Start, Child Care Referral, Computer Literacy, GED Parental Education, Parent Support Services, Job Readiness Training, and Subsequent Pregnancy Prevention. The new center features a large, centrally located, oval-shaped, two-story play area surrounded by 14

classrooms. It accommodates more than 200 children–newborn to 5 years of age–and serves thousands through its community support programs. The facility is one of Illinois' Children's Home and Aid Society's Early Childhood Care & Education facilities designed to serve children born in high risk environments.

Our recently completed College of DuPage, **Louise M. Beem Early Childhood Education and Care Demonstration Center** was designed to promote a sustainable environment and fosters a healthy education environment for the College in addition to an active and engaging environment for the children. One of the highlights of the project were observation pods for each of the classrooms. These are used for training purposes as well as allowing parents a place to observe their children's interactions in the classroom environment. The classrooms are grouped around a large indoor gross motor playroom that becomes the central street surrounded by clusters of classrooms.



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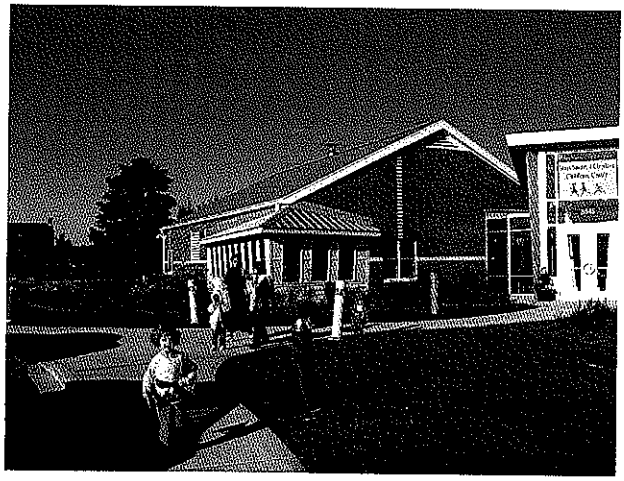
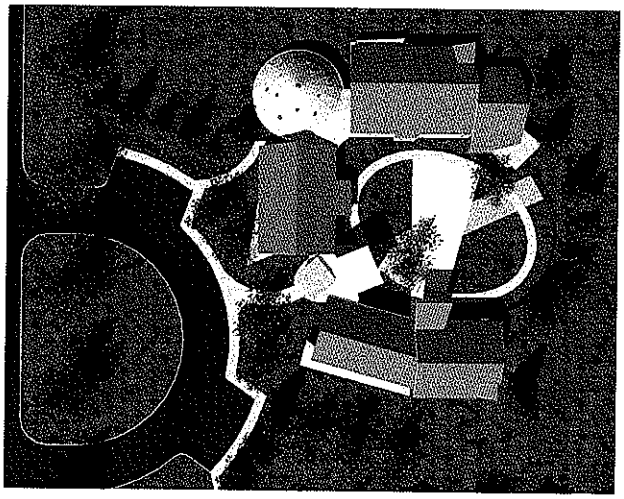
The design incorporates innovative, reliable, cost-effective, and energy efficient technologies. Most significantly, the building includes a geothermal ground source heating and cooling system. The College views this as an opportunity to educate students and local citizens about the effectiveness of this alternative energy source. The geothermal system is a vertical, closed loop, ground source system. In addition, to the geothermal system, several innovative approaches were included in the building design.

The existing Cook County 35-story office building was built in 1963 in a modern concrete style. The **Cook County City of Chicago Child Care Center** is approximately 13,000 s.f. and is located on the 1st and 2nd floor, with classrooms and offices configured in fluid forms. Due to stringent Chicago code requirements, a 2-hour fire separation had to be placed between the center and the adjacent office lobby. Instead of letting the wall feel heavy and fortress like, Ross Barney Architects treated the wall like a scarf or cocoon that wrapped around the children. It is shaped in layer-like cloth and painted a warm inviting yellow to help signify that something special is happening inside. Its free-form shape in the two-story atrium contrasts the buildings' strong geometry. The interior side of the cocoon creates a dynamic large motor play area that all the children share. The design of the small fire separation windows at a low height allows the children a view of adults passing by.

Ross Barney Architects also incorporated ideas, forms and materials from nearby famous works of art. The outdoor play area is located directly behind the **"Chicago"** sculpture by Joan Miro. The enclosure for this area includes concrete forms that mimic the sculpture and is





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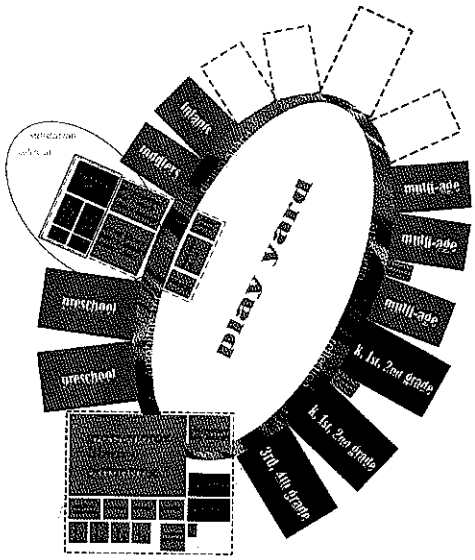
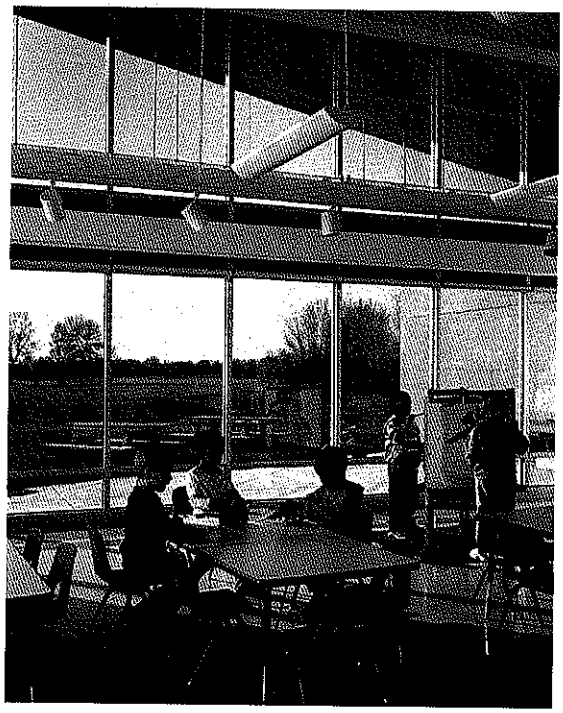
lovingly called the "Children of the Miro." The outdoor play areas include soft surfaces, play equipment and safety barriers that "set" on top of the existing granite paver plaza, maintaining the waterproof membrane protecting spaces below. Although the challenges are many in tight urban sites, Ross Barney Architects has found ways to creatively add delight.

For the **General Services Administration's** new **Fort Benjamin Harrison Child Care Center** we designed a one-story structure of 13,000 square foot for 98 children. The center serves the government employees in the adjacent Major General Emmett J. Bean Center. The large suburban-scaled site is part of the former Historic Fort Benjamin Harrison, which was being redeveloped and incorporated into the City of Lawrence, Indiana. All new developments on the "Fort" had to comply with Reuse Authority Guidelines and reflect the surrounding architectural style of gabled roofs, double hung windows, porches, red brick facades, white wood trim, and wrought iron fences.

Ross Barney Architects' design goals included locating and designing the building so that it related to the massive Bean Center and the small scale of the Officer's Housing across the street. This created a challenge, as the two buildings are significantly different in scale and vocabulary. We also wanted the building to relate to and be easily identifiable by the children, similar to their homes, but more playful and dynamic, signifying that something special happens there. The building is comprised of 5 simple house-like forms, spread them out and enclosed a large outdoor play area. We called this the neighborhood concept of small houses around a shared outdoor common space or square. The houses break down by age with the administration/support house and the infant/toddler house closest to the entry. They have wood windows, window seats, and doors that lead to exterior porches or patios. They also have windows to the corridor so children can see people passing by and to capture additional natural light, since the corridors look out to the courtyard. We designed the corridor walls with clear finish plywood and soft pine battens that allow the children's artwork to be pinned up on the walls. The corridors also have garage door openings to the courtyard. During warm days the garage doors can be opened and the corridors can extend outside. This increases the amount of exposure to natural light, natural air and nature which we feel are vital components of a child's development.





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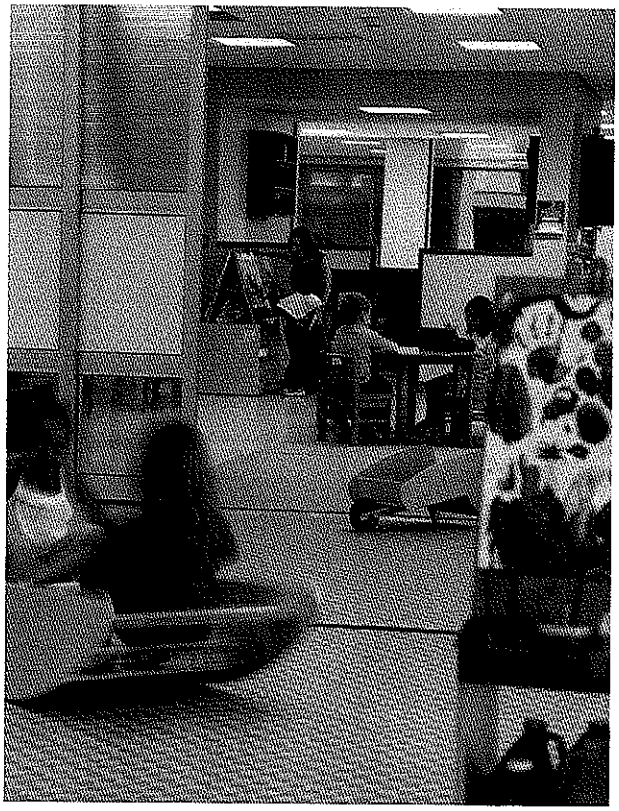
As part of their campus expansion, **Governor's State University** hired Ross Barney Architects to master plan and design a new "lab school" to supplement their Early Childhood Education Department training and provide on-site child care services for the students, staff and faculty. The "lab school" component not only served the early childhood age group, but grades K-4 as a Charter School from the local school district. The facility also accommodates a community Parenting Program with on and off site service and other GSU staff and students training in physical, mental, occupational and speech therapy programs. The complex, multi-use and multi-functional **Family Development Center/ Charter School** is a 32,000 s.f. building located at the community side of the campus, but aligns its front door with the University's main entrance.

Prior to designing, we visited "model" facilities identified by the Faculty and observed best practice spaces and arrangements. We also reviewed the children's teaching and learning philosophy, ***Reggio Emilia***, proposed by the Faculty to be used in the new facility. This philosophy incorporates nature, art and light into every aspect of learning. The resulting state of the art center is arranged in layers.

The front faces the University with a gently curving administrative bar that then scales down with a main street (art gallery) transition to the children's classroom houses that connect with the prairie landscape beyond. The classroom houses are separated by greenhouses where children will work together, with teachers and parents, to grow plants and vegetables. A dedicated fine arts classroom with a kiln and a large glass wall for light play, a teacher meeting/work room for staff collaboration, a long corridor for display of art and documentation, and an abundance of natural light also help support the Reggio philosophy.

Ross Barney Architects designed the new **Jubilee Family Resource Center** for the faith based community organization, **Lawndale Christian Development Corporation** and the non-profit operator **Carole Robertson Centers for Learning.** It is located between a redeveloping commercial strip of Ogden Avenue and a revitalized residential neighborhood. The center was programmed to serve 180 children, ages birth to 6, with after school and headstart programs in 22,000 square foot. The new building was also viewed as a community center and a key element in the continued redevelopment of the predominantly African-American area.

The open site provided the opportunity to design a one-story building that responds to the scale of the neighborhood and the children it will serve. Ross Barney Architects organized the classrooms around a central courtyard, which provides a protected play area for the infants.



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The classrooms fronting residential streets are "stepped" to respond to both the geometry of the site and the scale of the adjacent residences. The gross motor play area is housed in a glass pavilion that provides views through the entire center and the community beyond.

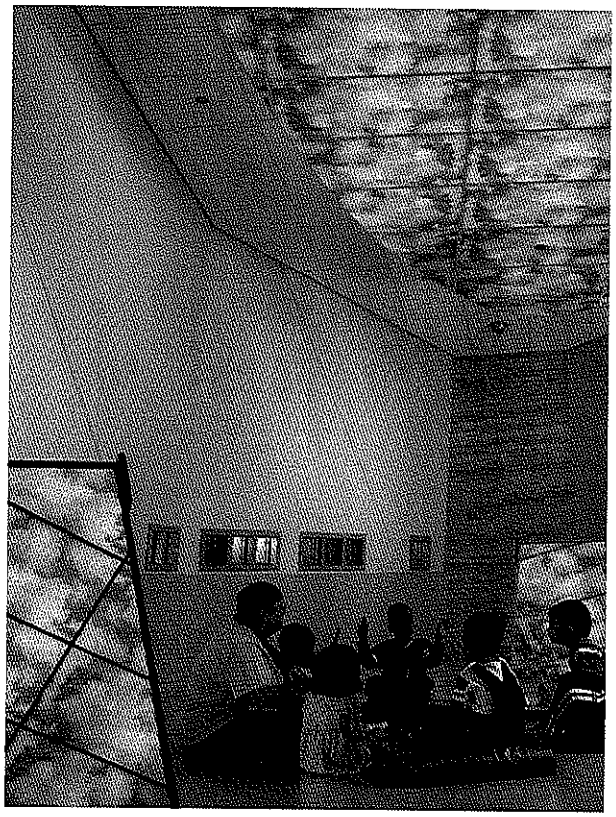
The design team incorporated the community's heritage with the use patterned floor tiles modeled after the Raffia cloths of Zaire, forming floor mats at the entrances to the center, classrooms and the gross motor room. Kente cloth was the inspiration for the woven masonry pattern on the north and south facades. Kente is worn today by many who regard it as a symbol of African pride and dignity.

DESIGN APPROACH

Our design approach to environments that serve children begins with creating spaces that are intriguing, exciting and delightful. These buildings provide an important backbone to the quality of a young child's education and exploration. Providing a sense of safety, security and well-being are also crucial for young children and their families. We take special care to create spaces that function well, are durable, maintainable, and most of all, safe.

Our design approach also includes the community and context. Child and Family Centers enhance the community relationships and function as a positive place to make connections. Parents particularly need strong connections with other parents and adults. These connections provide many kinds of support for the child, family and community. Designing spaces, whether large or small, that encourage these interactions is a priority for us. Each of the centers we have designed is a focal point for its surrounding/supporting community, whether a neighborhood, a campus or an office building.

Before design begins, Ross Barney Architects provides an in-depth programming session with each client. These sessions include interviews, meeting and site visits with the users, childcare and family service program providers, parents, administrators and facilities personnel. Our staff's experience help us to quickly identify program and space needs, licensing and code requirements, community connections and relationships, expansion possibilities, aesthetic goals and probable project budget to name a few. We also encourage our clients to tour our completed centers to discuss their likes and dislikes in more detail. Through this process we build a design team approach with the client. This ensures a successful project and a very positive outcome for the team and community.



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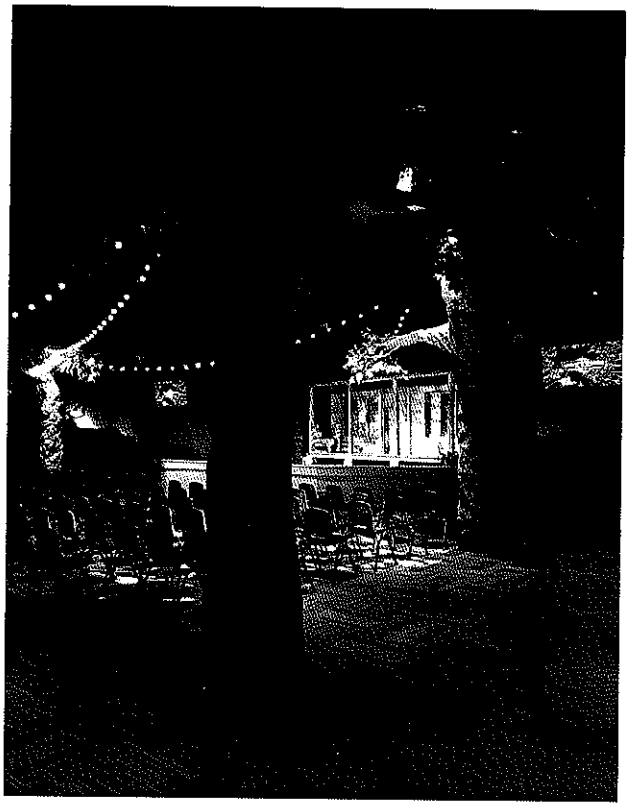
Due to our extensive knowledge of the child care licensing requirements and building codes associated with buildings for children, Ross Barney Architects authored the manual, **"Planning and Licensing a Child Day Care Center in Chicago"** with the Department of Human Services. This manual not only includes technical information regarding licensing and codes, but also provides many creative planning ideas for the design of the centers and their sites. Issues regarding classroom layout, finishes, furnishings, accessibility and sustainability are discussed. Many of the centers we have designed are used as examples throughout the manual. The Cook County / City of Chicago Child Care Center provided a CASE STUDY chapter which culminated many of the issues highlighted in the manual.



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Key Personnel Assigned to the Project

(Resumes attached)

Project Executive & Principal in Charge

Jody Driggs, AIA, Principal
Silling Associates Architects
405 Capitol Street, Upper Atrium
Charleston, WV 25301
phone: 304.346.0565 email: jdriggs@silling.com

Daycare Planning & Design Consultant

Carol Ross Barney, FAIA, Founder & President
Ross Barney Architects - Chicago, Illinois

Other Key Individuals

Edward Weber, AIA, LEED AP
Role: Local Project Manager & Sustainability Coordinator
Silling Associates Architects

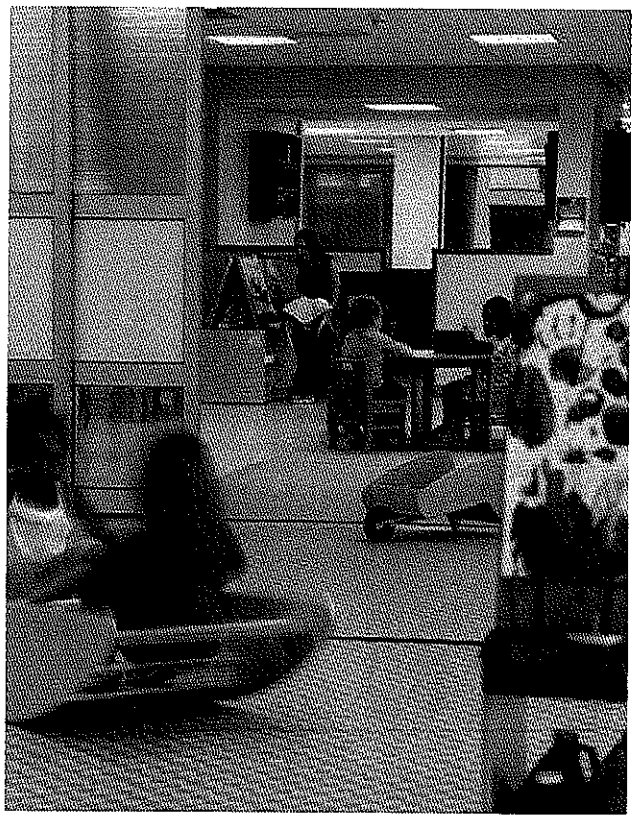
Sean Simon, AIA
Role: Construction Period Service Management
Silling Associates Architects

Carmen Wong, Associate AIA, LEED AP
Role: Project Support & Sustainable Design
Silling Associates Architects

Kim Ellis, Associate AIA
Role: Interior Design
Silling Associates Architects

Michael Ross, AIA, LEED AP
Role: Programming & Sustainable Design Leadership
Ross Barney Architects

Kimberly Patten, AIA, LEED AP
Role: Design & Sustainability Support
Ross Barney Architects



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Key Personnel Assigned to the Project

(Resumes attached)

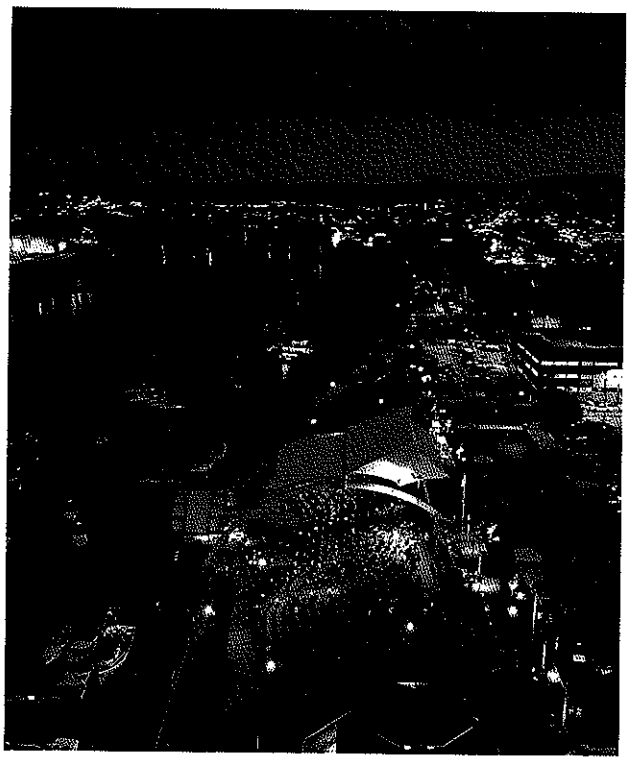
Mike Wesner, PE, LEED AP, CBCP
Vice President of Mechanical Engineering
Role: Mechanical Engineering
Scheeser Buckley Mayfield

Jim Eckman, PE, LEED AP, CBCP
President
Role: Electrical Engineering
Scheeser Buckley Mayfield

Kevin Noble, PE, LEED AP
Principal
Role: Civil Engineering
Scheeser Buckley Mayfield

Joe Harless, PE
Role: Telecommunications Engineering
Scheeser Buckley Mayfield

Bob Baumann, PE, LEED AP
Vice President
Role: Structural Engineering
Shelley Metz Baumann Hawk



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Ability to Successfully Manage the Project

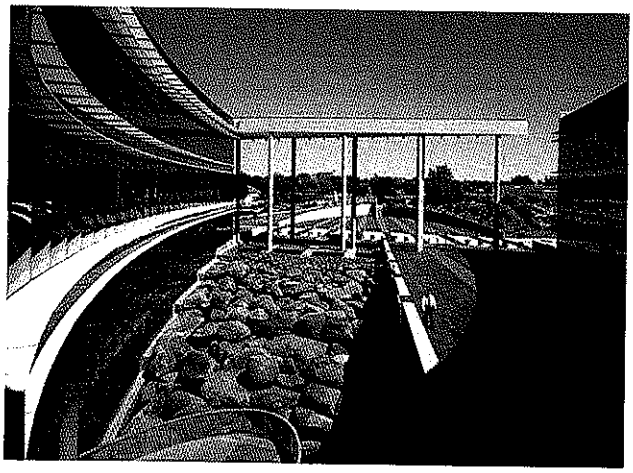
With a team of sixteen architects, designers, production staff ,and administrative support, **Silling Associates** has consistently proven itself capable of delivering a large volume of work annually, both in terms of numbers of projects as well as individual project size, scope, and complexity. Silling ensures principal involvement in all projects which is fostered within a studio environment, allowing our firm to build multiple-person teams within the office to focus on a variety of projects simultaneously. Likewise, open sharing of project information, project status, and large picture scheduling of our workload allow architects, designers, and technicians to be informed on a number of current project needs and deadlines and cross-pollinate from job to job and task to task. It is this efficiency and teamwork that is fundamental to our ability to service the number of very satisfied clients that we are fortunate to have.

However, it is primarily a culture of service that permeates everything that Silling does and leads to very satisfied clients. Aggressive communication is an axiom of our firm, and the heart-felt desire to be highly responsive to client needs and demands has proven to be one of the many reasons that owners select Silling Associates. This is most obvious in the number and references of our many repeat clients across the state and beyond.

Ross Barney Architects has earned an international reputation for design excellence in the field of institutional and public buildings. With a architectural staff of twenty-five design professionals, Ross Barney offers an outstanding record of performance and service throughout the country and internationally.

Scheeser Buckley Mayfield, consulting MEP engineers, and **Shelley Metz Baumann Hawk**, consulting structural engineers, offer extensive staff resources (combined staff of sixty five) to compliment the Silling/ Ross Barney team and have routinely executed successful project collaborations regionally, as well as nationally.

In summary, we offer the General Services Division extensive professional resources, immediate availability, and the ability to expedite the project's development, approval, and completion.



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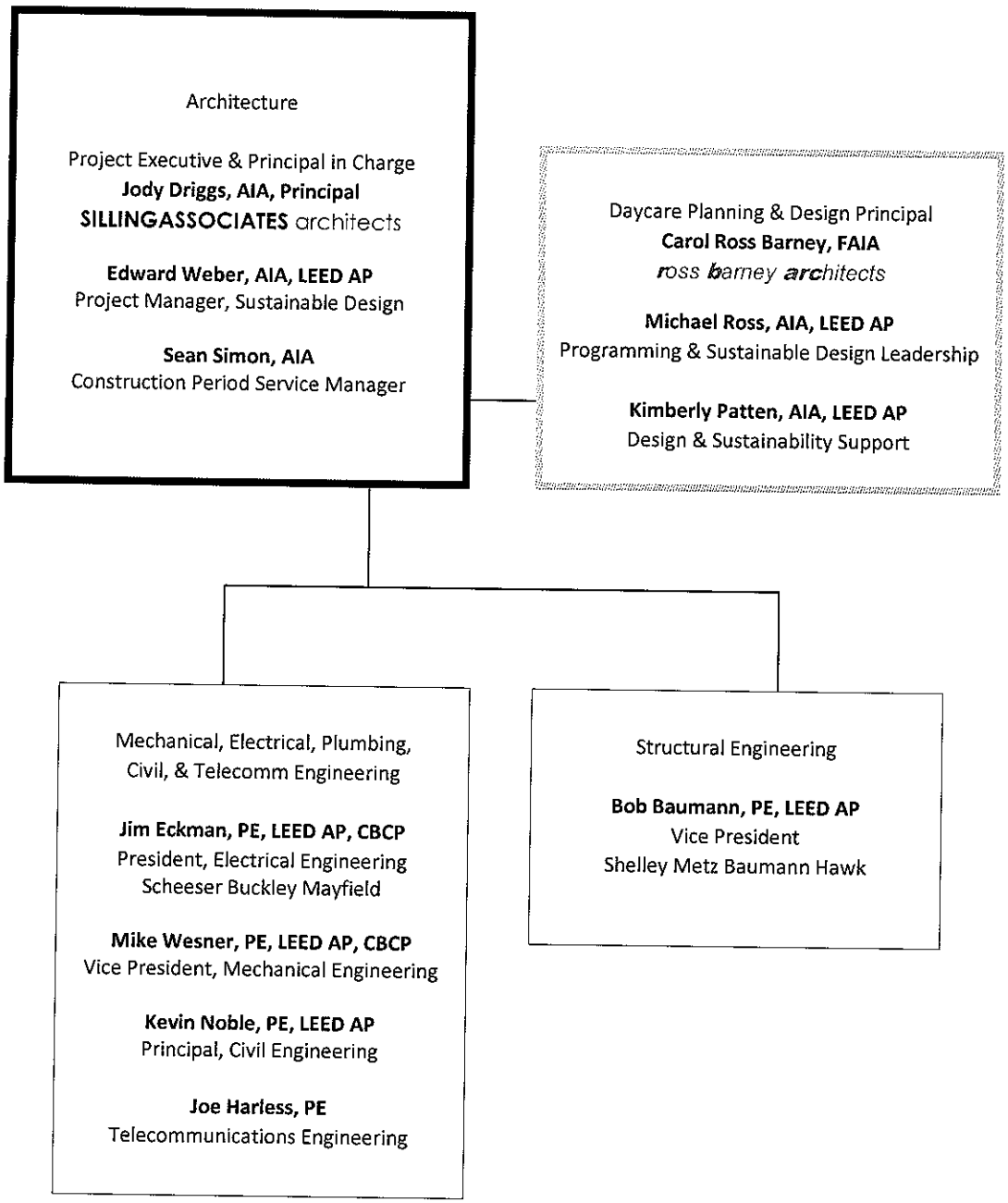
Additional Information Requested

Statement of Acceptance and Understanding
Silling Associates understands and accepts that any and all work produced as a result of the contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.

Conformance with local, State, and Federal Regulations
Silling Associates and its Design Team members have proven record of conformance with all local, State, and Federal codes, regulations, and requirements, including building and related life safety code requirements.

Litigation or Arbitration Proceedings
Silling Associates maintains a record of superior performance and service to the State of West Virginia.

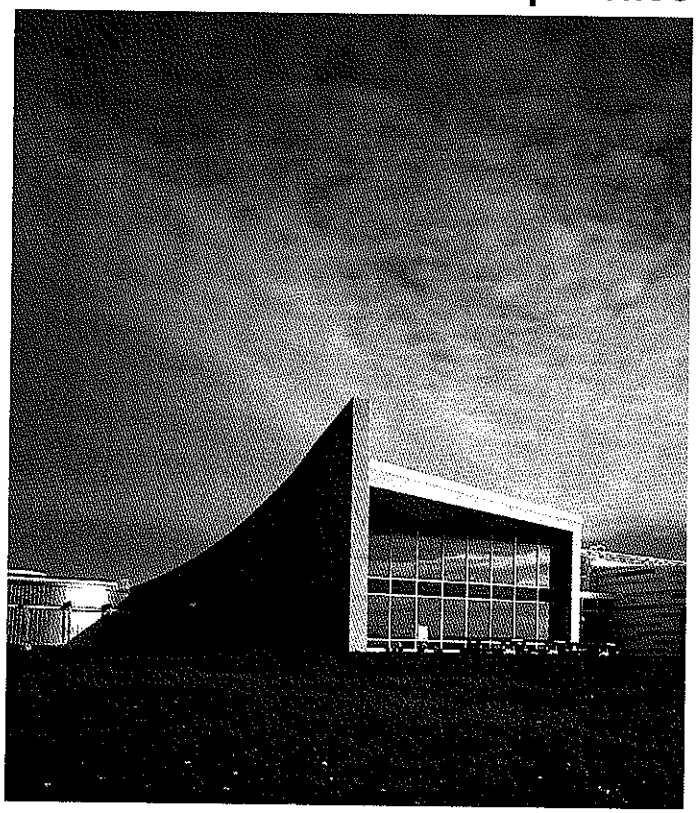
Organizational Chart



Silling Associates and **Ross Barney Architects** both share an extraordinary record of project collaboration in the manner we propose for this project. Principal leadership, effective communication, and a shared commitment to design and project excellence throughout each phase of the project will be the foundation for a truly successful collaboration and ultimately a first-class daycare center for the State of West Virginia.

Silling Associates will assume primary responsibility for overall project management and coordination, as well as a major role in the production of construction documents, bidding and negotiating, and administration of the construction contract. Ross Barney will assume a major leadership role during the programming, schematic design, and design development phases. **Jody Driggs**, Project Executive and Principle in Charge from Silling Associates, and **Carol Ross Barney**, Design Principal with Ross Barney Architects, will maintain continuous collaborative involvement through each phase of the project.

Demonstrated **Experience**



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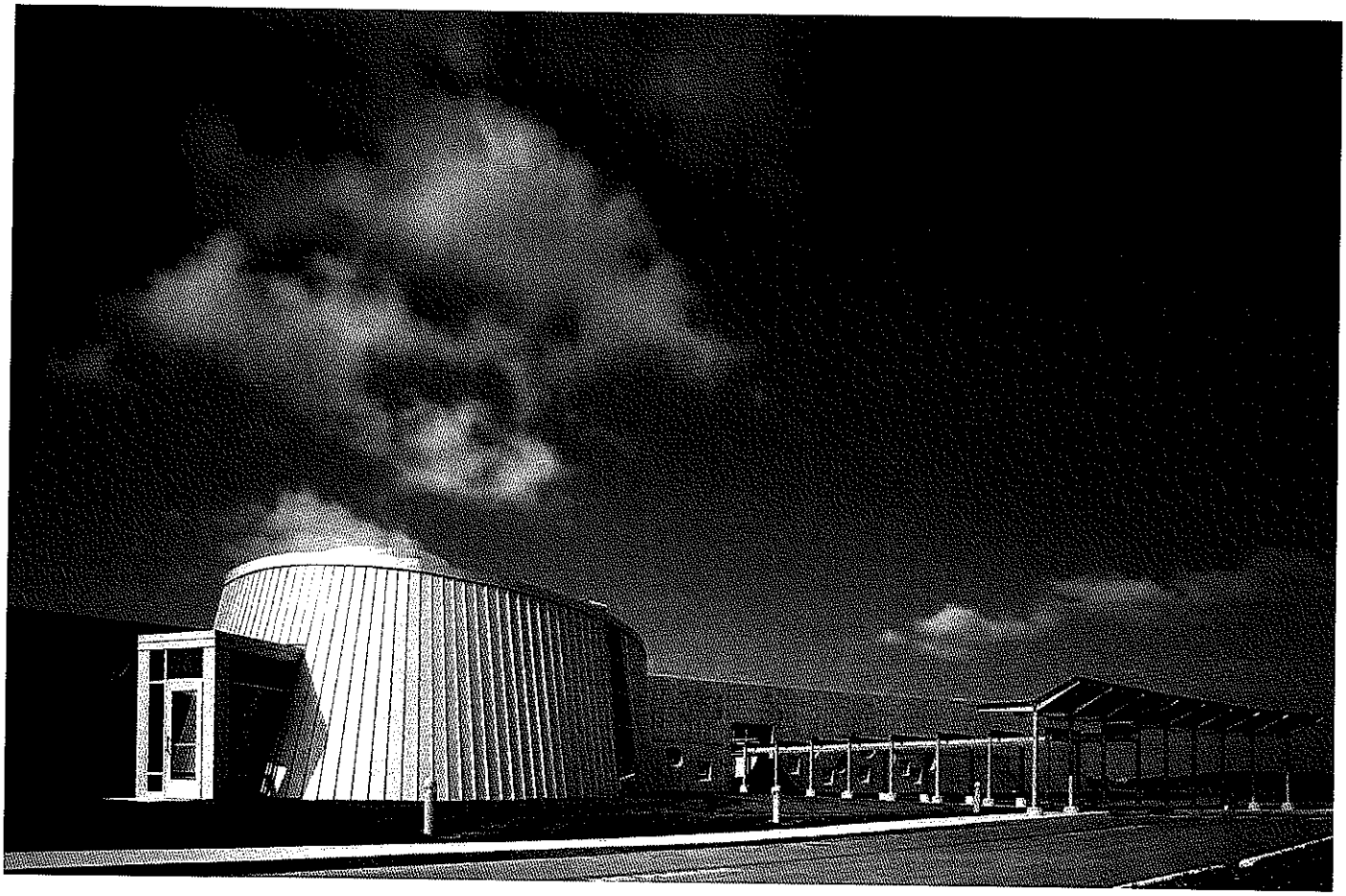
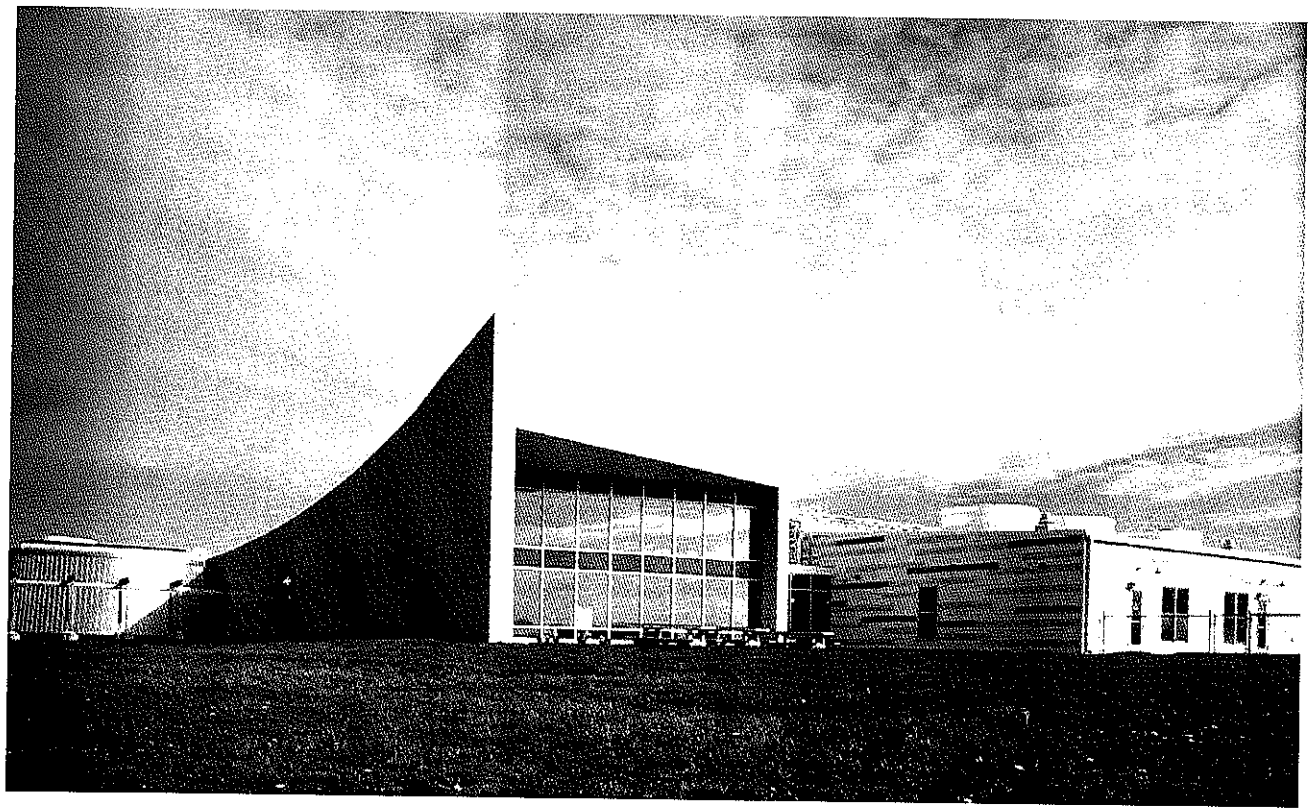


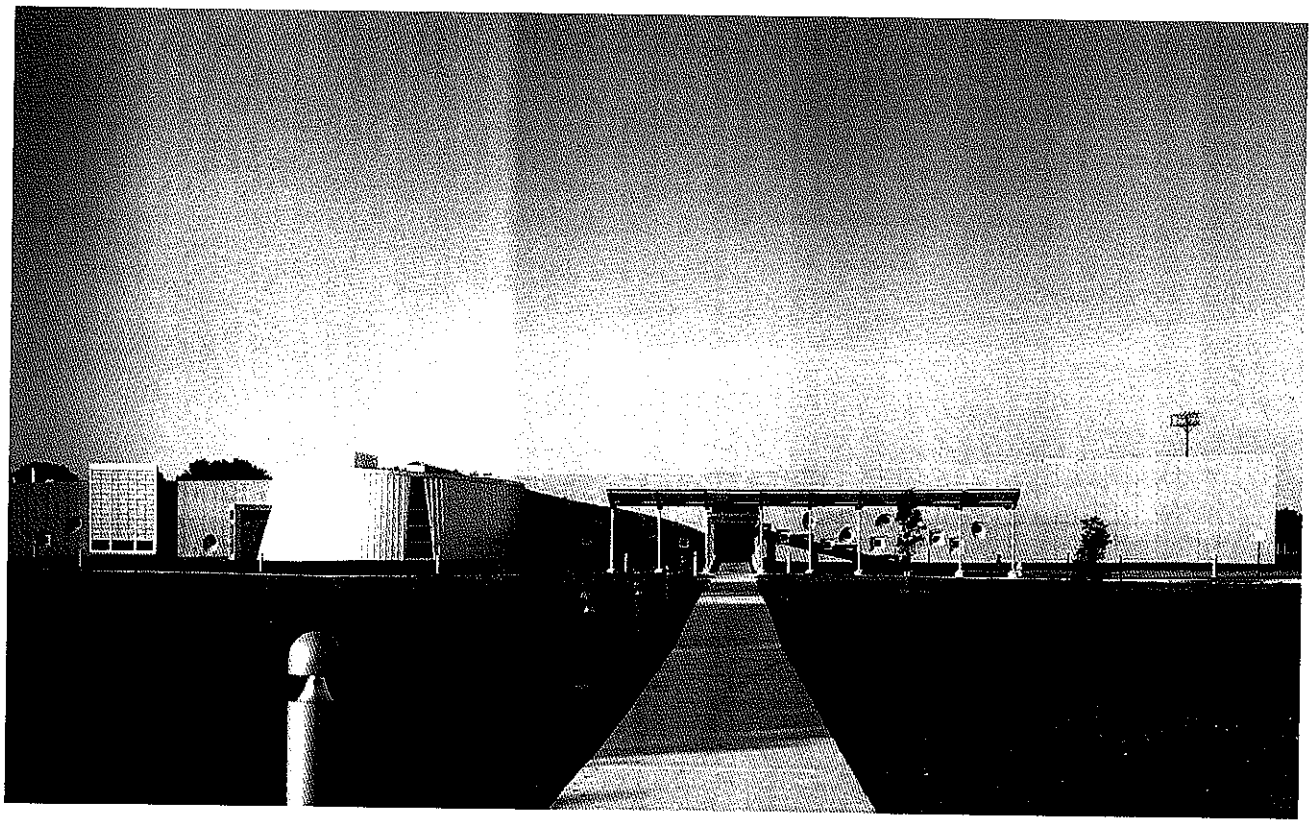
Family Development Center and Charter School

Governor's State University commissioned Ross Barney Architects to master plan and design a new "lab school" to supplement their Early Childhood Education Department. Programs provide training and on-site child care services for the students, staff and faculty of GSU.

The "lab school" component not only serves the early childhood age group, but grades K-4 as a Charter School from the local school district. The facility accommodates a community Parenting Program with on and off site services. Students and staff are trained in physical, mental, occupational and speech therapy programs on site. The Family Development Center is located at the community side of the campus, but aligns its front door with the University's main entrance.

The front faces the University with a gently curving administrative bar that then scales down with a main street (art gallery) transition to the children's classroom houses which then connect with the prairie landscape beyond. The classroom houses are separated by greenhouses where children work together, with teachers and parents, to grow plants and vegetables. A dedicated fine arts classroom has a kiln and a large glass wall for light play. A teacher meeting and work room for staff collaboration is located in the administrative bar. A long corridor separating the administrative bar and classroom houses is used to display art and student progress, and allows for an abundance of natural light.

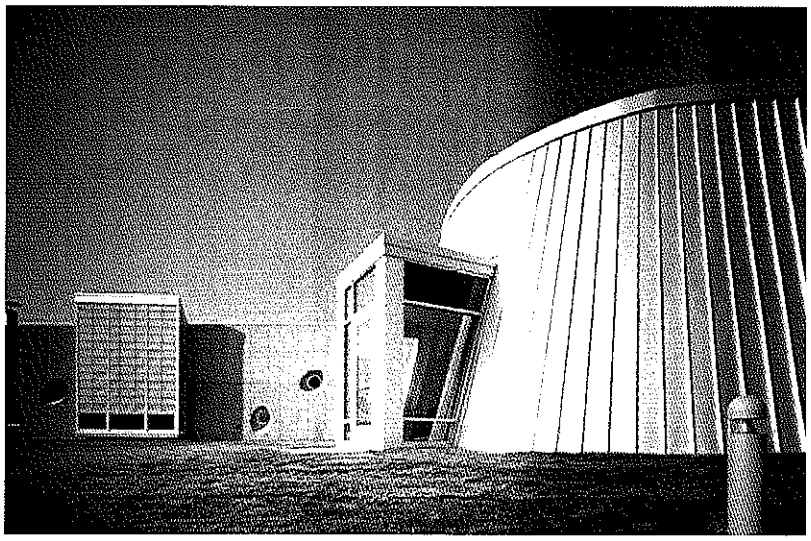


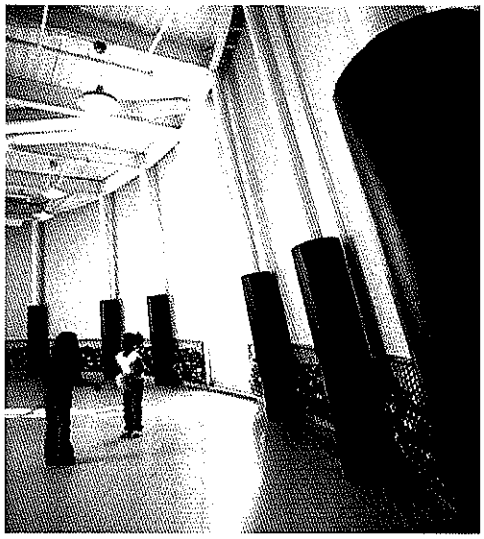


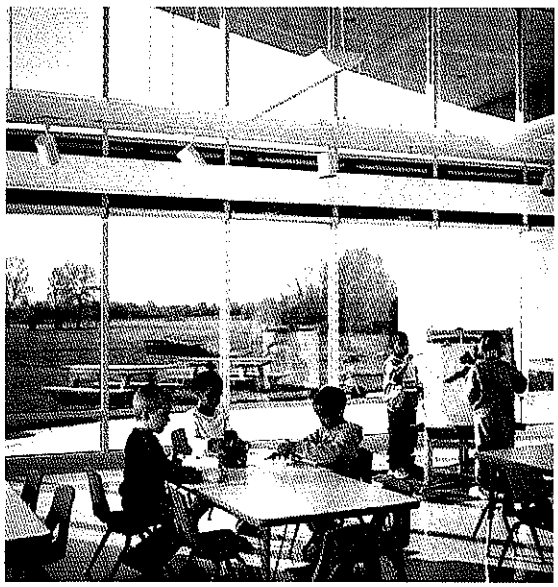
Family Development Center and Charter School – Governors State University – University Park, Illinois

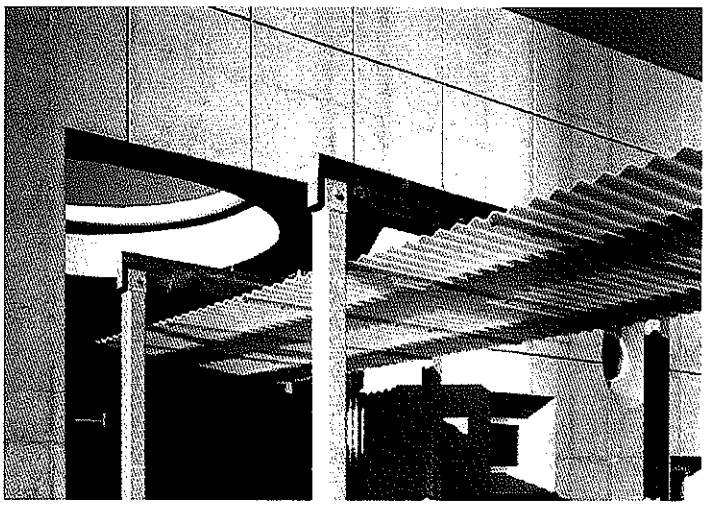
This state of the art center houses a number of programs for the university and surrounding community. Model facilities were visited during design to identify and observe best practice spaces and arrangements.

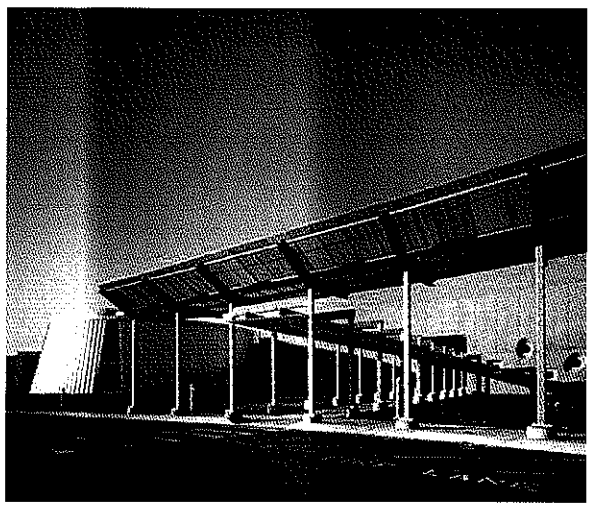
The children's teaching and learning philosophy, Reggio Emilia, was proposed by the Faculty to be used in the new facility. This philosophy incorporates nature, art and light into every aspect of learning. The resulting state of the art center is arranged in layers of function and discovery.



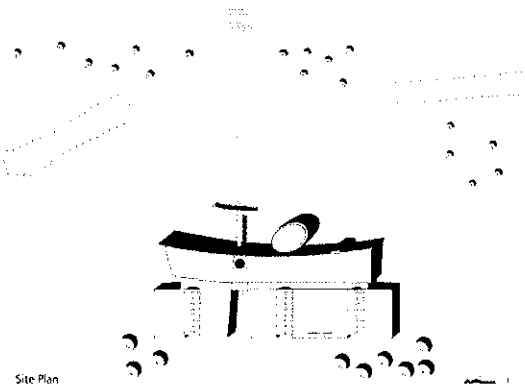


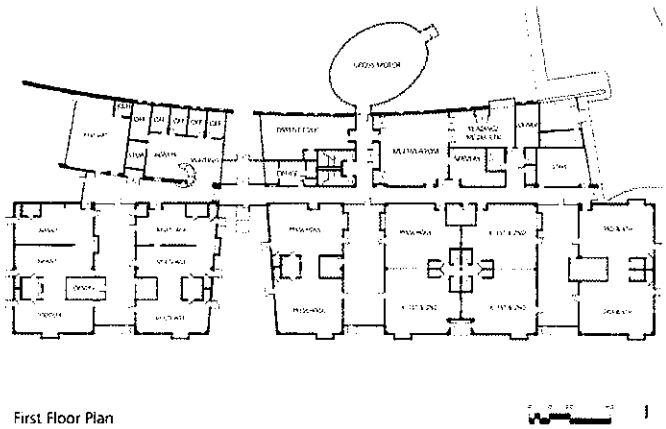






2004 Chicago Building Congress, Merit Award Finalist. Jayne Merkel, "*So Much to Do With So Little* ", *Architectural Record* Magazine, July 2003





Cost $5,000,000
Program 32,000 square foot
Status 2003

Reference
Paula Wolff, Former President, GSU
Chicago Metropolis 2020
30 W. Monroe Street, Ste. 1800
Chicago, IL 60603
p. 312-332-8185

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Louise M. Beem Early Childhood Education and Care Demonstration Center

The new College of DuPage, Louise M. Beem Early Childhood Education and Care Facility expands the College's current Early Childhood Education Program into a state-of-the-art building at the Glen Ellyn main campus. The Center is a model early childhood facility, reflecting and promoting the latest research and best teaching practices in the field of early childhood development. The goals were to provide an ideal environment to educate college students so that they can become providers of the best education and care for young children, and to showcase the program in a well-designed building that sets a precedent for future childcare facilities.

This Child Development Center is a new 22,500 square foot building serving 116 children. This new building houses a number of programs for the college's students, faculty and the surrounding community.

The Louise Beem Early Childhood Demonstration Center will provide hands-on training in early education programs. The Student-Parent Co-op provides part-time childcare for COD students with children, as well as offer full-time childcare for the families of the faculty and surrounding community.

INTEGRATED DESIGN

The center incorporates innovative, reliable, cost-effective, and energy efficient technologies into the design of the building.

The design reflects both the college and the vibrant energy of the young inhabitants within the building. It provides a welcoming and thought-provoking environment surrounded by natural materials and daylight, which are important in the education and healthy development of children.

SUSTAINABLE DESIGN
An effort was made to incorporate innovative, reliable, cost-effective, and energy efficient technologies into the design of the building. Most significantly, the use of a geothermal ground source heating and cooling system was viewed by the College of DuPage as a powerful opportunity to educate students and local citizens about the effectiveness of the system.

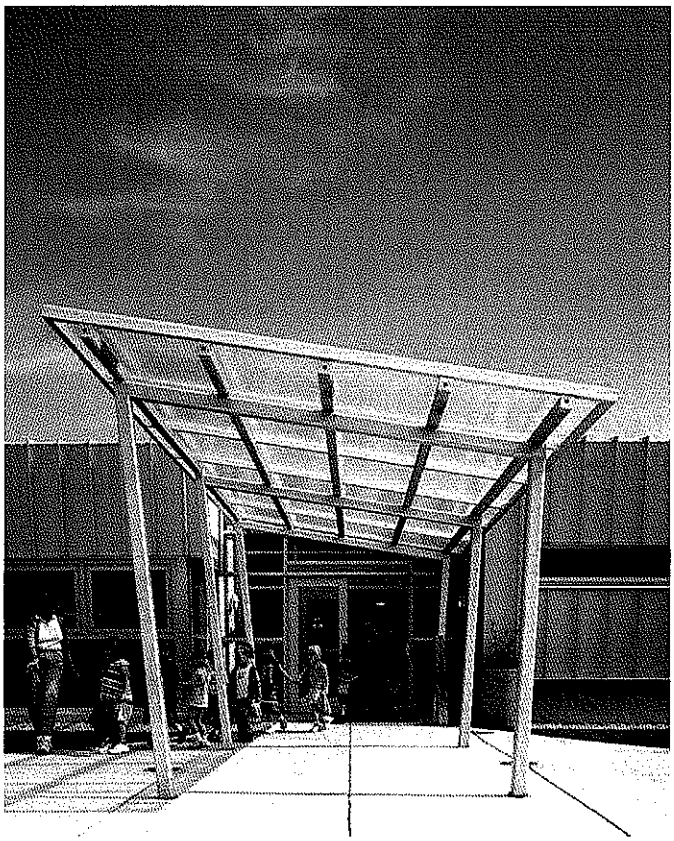
The facility required a cooling capacity of approximately 90 tons. The proposed geothermal HVAC project is a vertical, closed loop, ground source system. In addition to the geothermal ground source system, several innovative approaches were included in the building design.

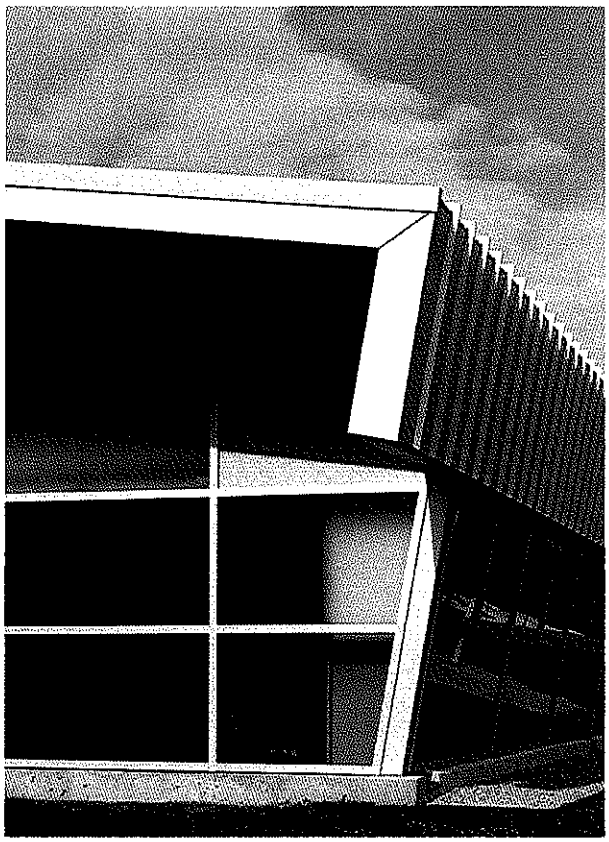
Traditional geothermal systems utilize local heat pumps to provide conditioned air to the occupied spaces. A drawback of this approach is noise and increased maintenance associated with numerous small compressor units. Minimizing noise is particularly important in a classroom and childcare environment. The proposed design instead utilizes water to heat exchangers located in the mechanical room of the facility.

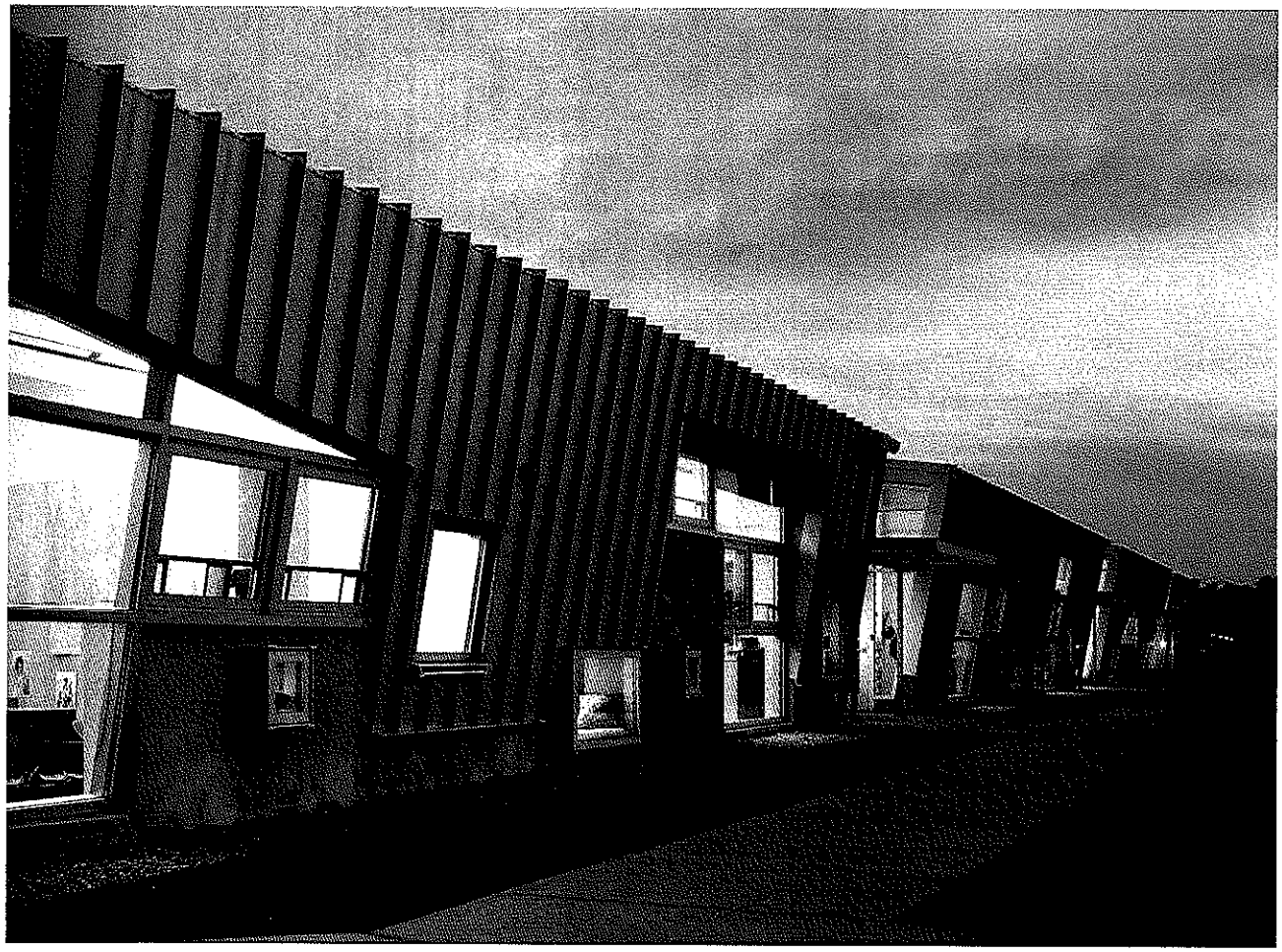
These heat exchangers produce heating and cooling water piped to coils in modular air handling units outside the classrooms. Air circulated across the coils in the units are cooled and heated as needed to provide space conditioning. The system is similar to conventional hot water boiler and liquid chiller hydronic systems with the geothermal components replacing the boilers and chillers.

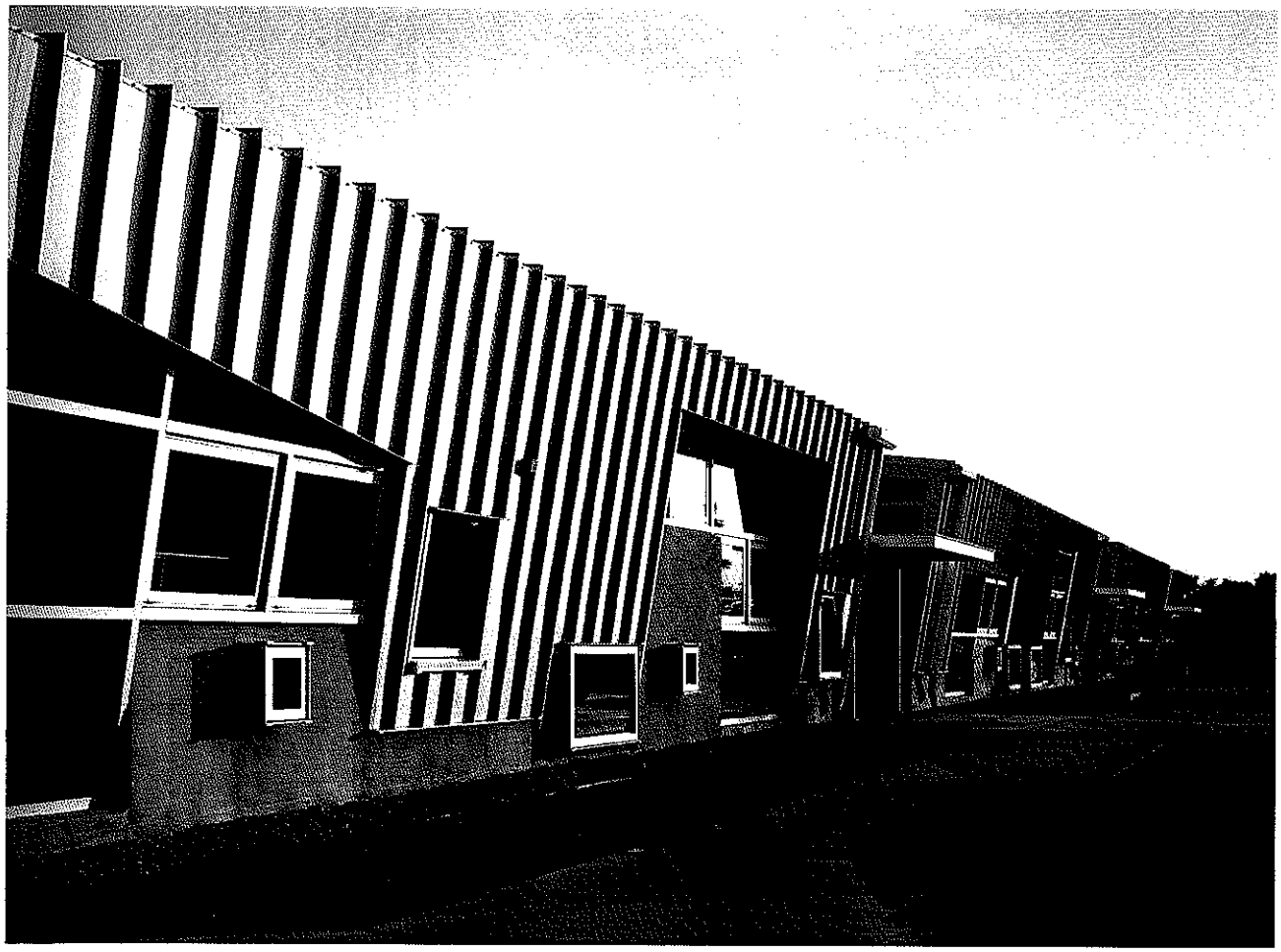
Utilizing the geothermal system eliminates gas service and fossil fuel emissions from the no longer required hot water boilers.

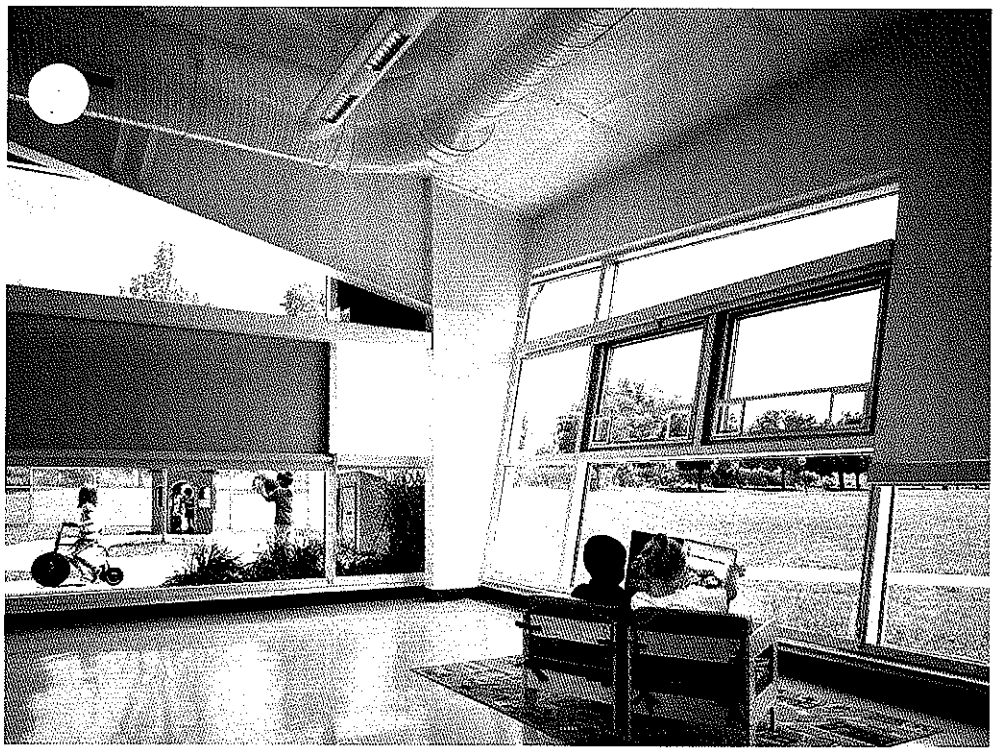
To provide enhanced thermal comfort, conditioned air is supplied from the modular air-handling units to a plenum beneath each room. Occupants benefit from efficient radiant heat transfer from the floor. These features are particularly beneficial in this childcare setting with smaller occupants moving closer to the floor. In the cooling season, the cooler air remains in the occupied space while warmer air rises. This stratified condition allows for conditioning only the occupied space rather than the entire room volume, and results in lower cooling requirements. The underfloor air system increases open space and improves the learning environment.

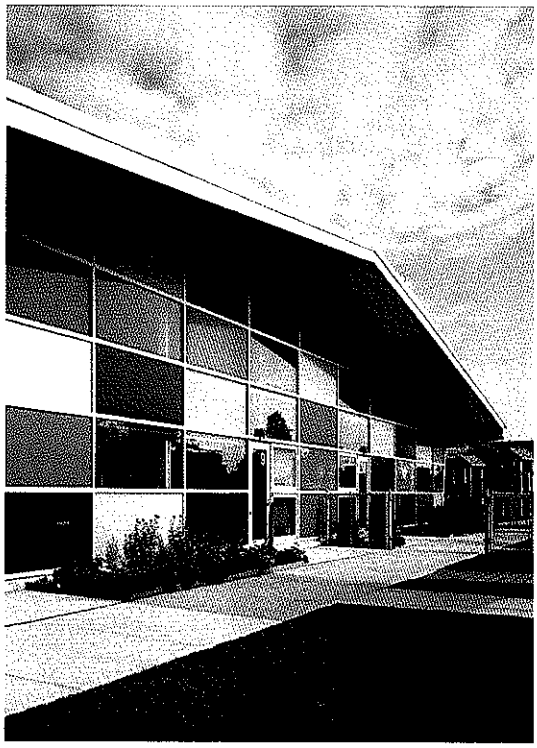


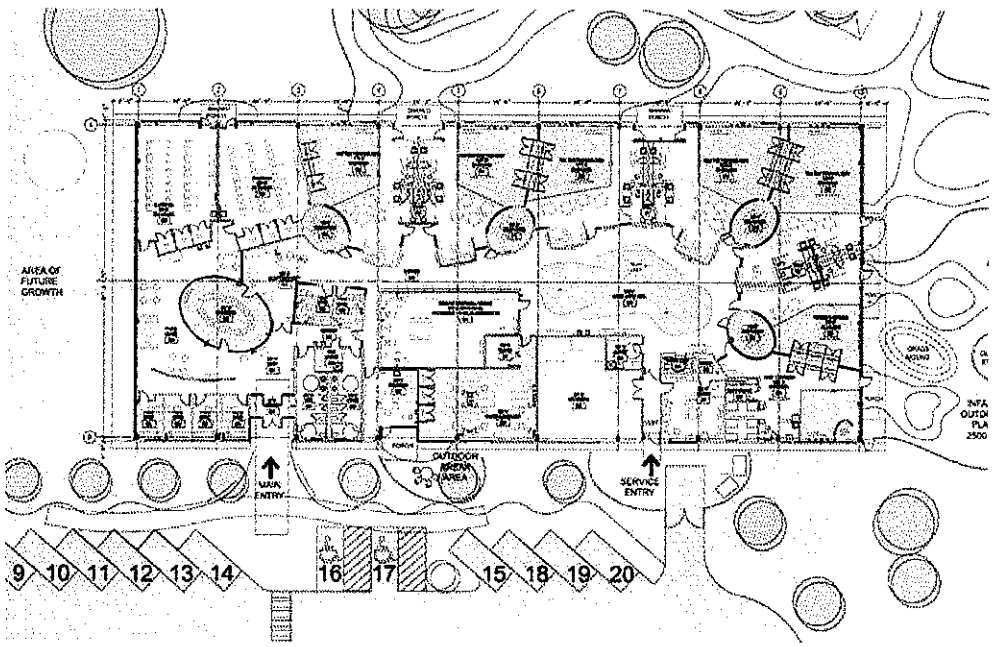












Cost $5,800,000
Program 22,500 square foot
Status 2007

DESIGN FEATURES

-Iconic Design/New Gateway to the University
-Cost Effective/Innovative design
-Sustainable/Geothermal HVAC System
-Designed with input from students/faculty/staff
-Design incorporates sustainable initiatives
-On budget/On schedule

Reference
Louise M. Beem Early Childhood Education
and Care Demonstration Center
425 Fawell Boulevard
Glen Ellyn, IL 60137
Diane Kubetz, Coordinator
630.942.2704
Marsha Pobst, Center Manager
630. 942.4223

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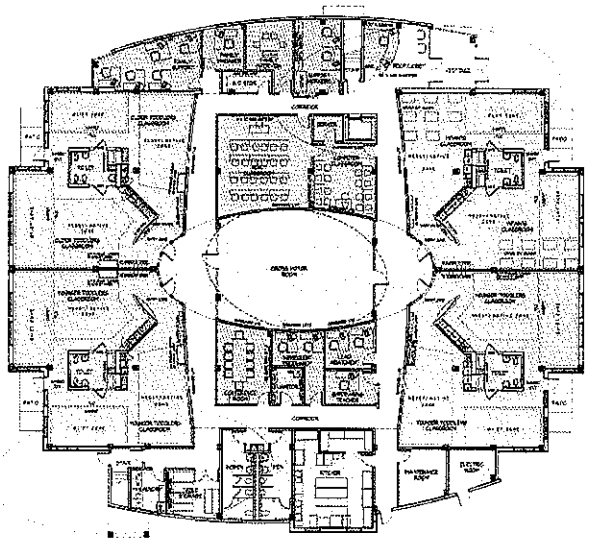
Mitzi Freidheim Englewood Child and Family Center

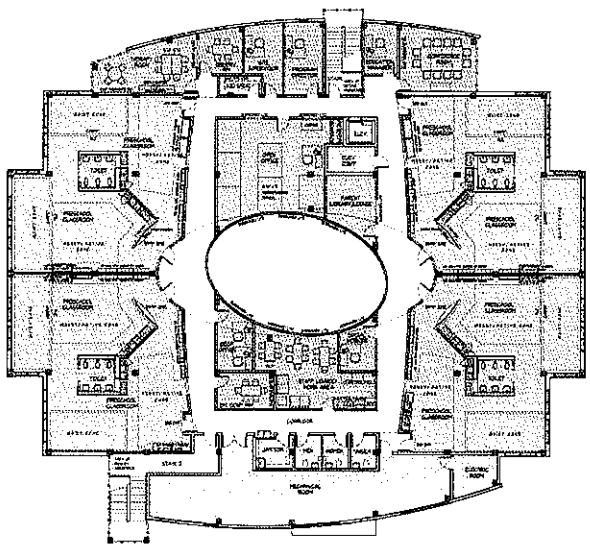
Developed by Children's Home and Aid Society of Illinois, the site for the new Mitzi Freidheim Englewood Child and Family Center is part of the commercial strip along West 63rd Street in the West Englewood neighborhood. The Center is adjacent to residential neighborhoods on Hermitage and Paulina Avenues.

The 32,000 square foot facility responds to the need for cost effective "sustainable" materials. The Center is viewed as a key element in the Cities continued redevelopment of the area and the Mayor's Children's Capital Development Program providing care for 217 children ages 6 weeks to 6 years.

The building is a compact 2-stories to allow for ample outdoor play yards on the tight site. The height also responds to the scale of the 2 and 3 story buildings of the neighborhood. The classrooms are organized around a central 2-story space that serves as an indoor play area.

This indoor play area has a clerestory that allows natural light to filter through the building and main corridors. The glass exterior of the main stair provides a outlook onto 63rd street and a glimpse into the center for the community. The building also serves the community through many family programs, provides GED and computer education classes and other social services.





Reference
Nancy Ronquillo
President and CEO
Children's Home and Aid Society of Illinois
125 S. Wacker Drive
Chicago, Illinois 60606
p. 312-424-6801

Cost $5,470,000
Program 32,000 square foot
Status 2007

Awards / Publications
2008 Chicago Building Congress, Merit Award. Blair Kamin, "*Englewood family center an oasis amid desolation* ", *The Chicago Tribune*, February, 2007.

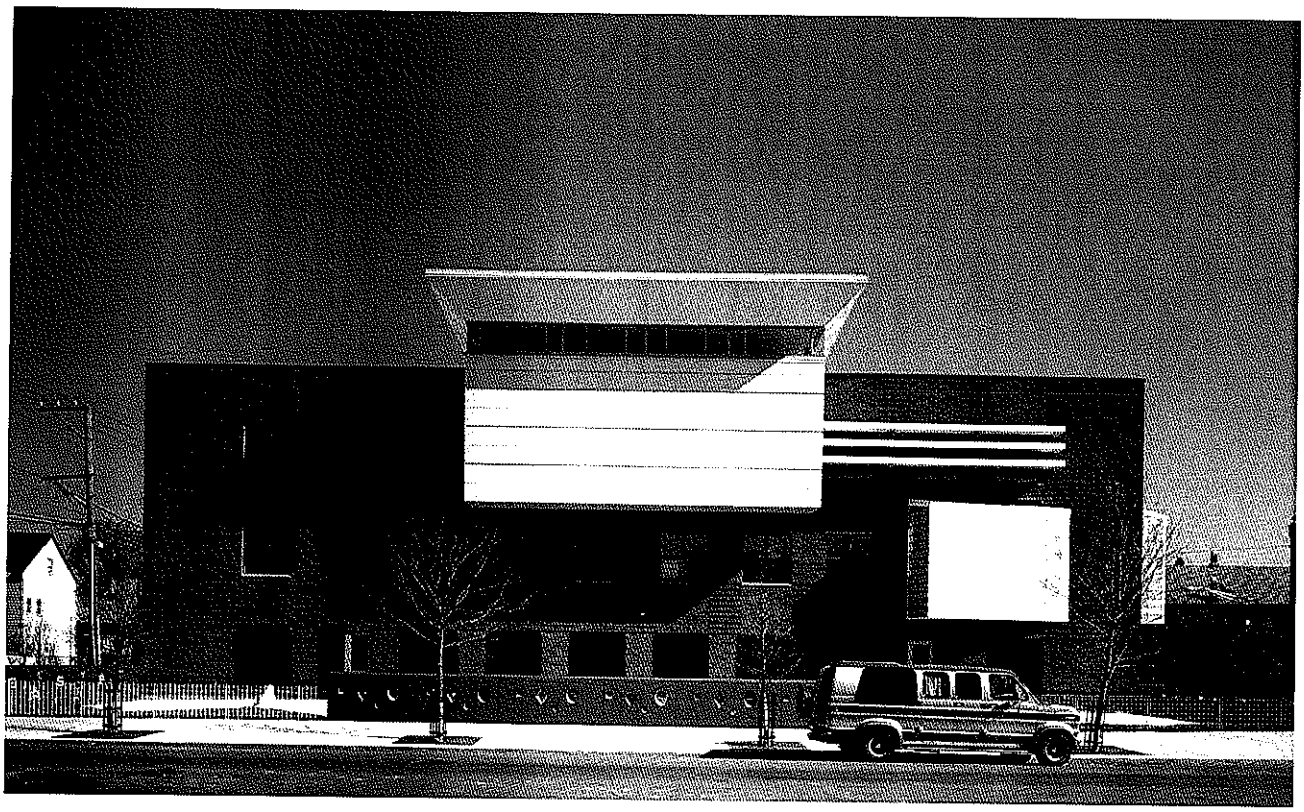
_ project

Little Village Academy

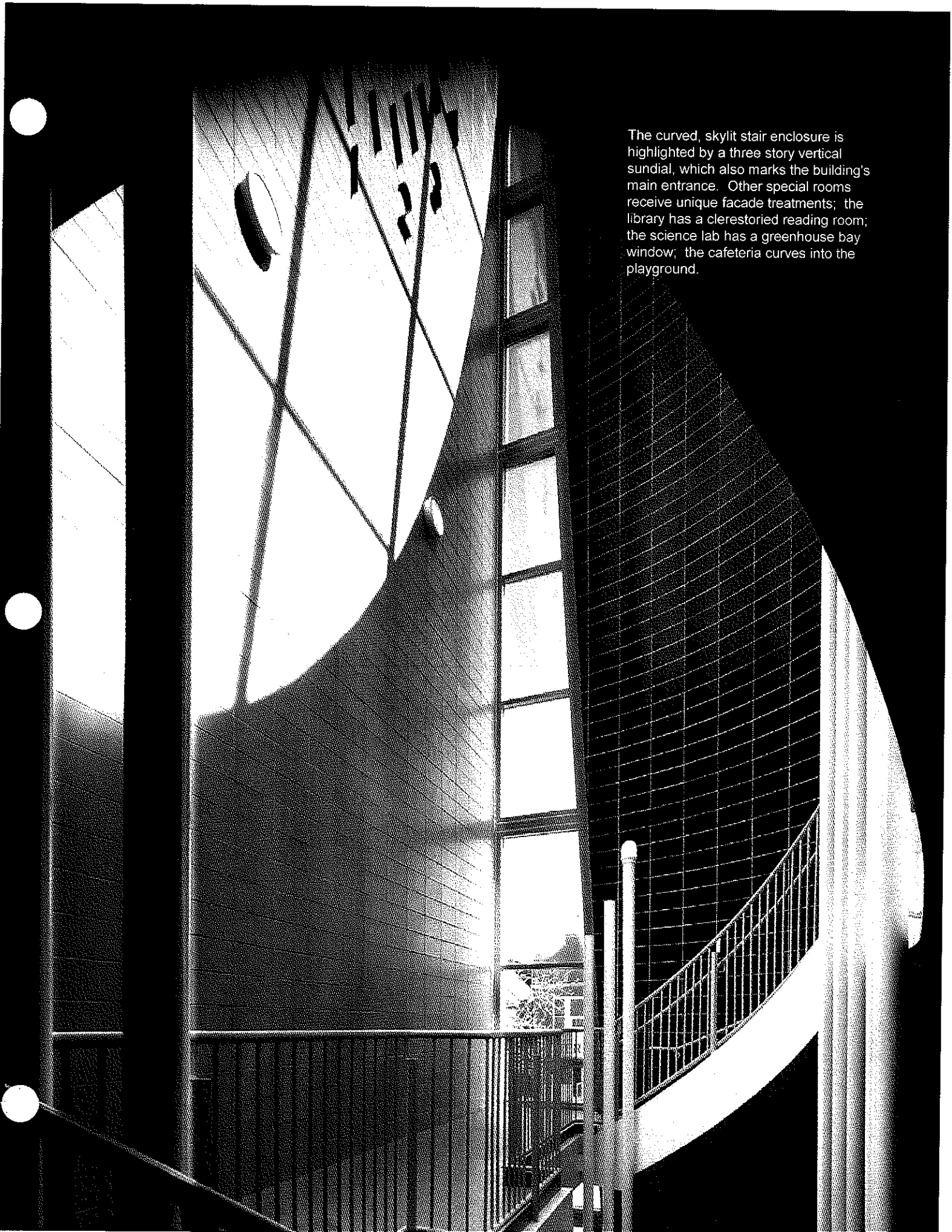
The new Little Village Academy is located in the heart of Chicago's Mexican community. The site is minimal, 400' x 120', and is bordered by commercial properties along Lawndale and 27th Street. Residential properties line the West and North. The small site dictates a very efficient plan. The three story building is organized around a central staircase to form the functional and spiritual heart of the school.

The curved, sky lit stair enclosure is highlighted by a three story vertical sundial, also marking the building's main entrance. Other special rooms receive unique facade treatments: the library has a clerestoried reading room, the science lab has a greenhouse bay window and the cafeteria curves into the playground.

Granite boulders form a processional barrier to maximize playground safety. Materials for the 68,000 square foot, $7 million building were selected for cost effectiveness and durability. Major finishes include split and ground face concrete block, glazed brick and block, and particle board paneling.



Little Village Academy – Chicago Public Schools – Chicago, Illinois



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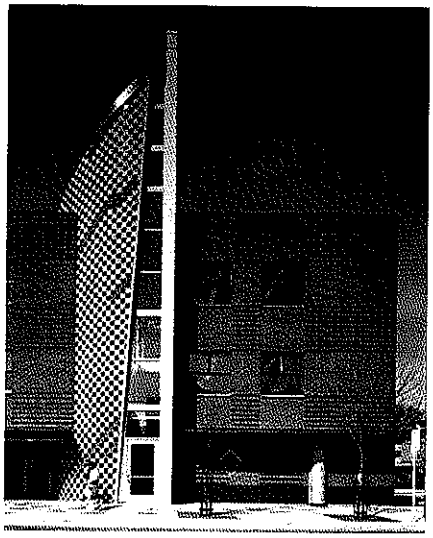
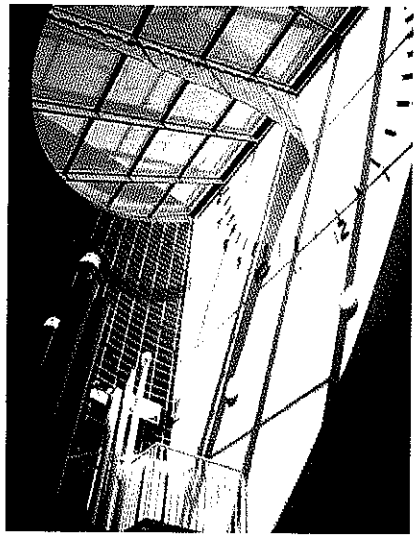
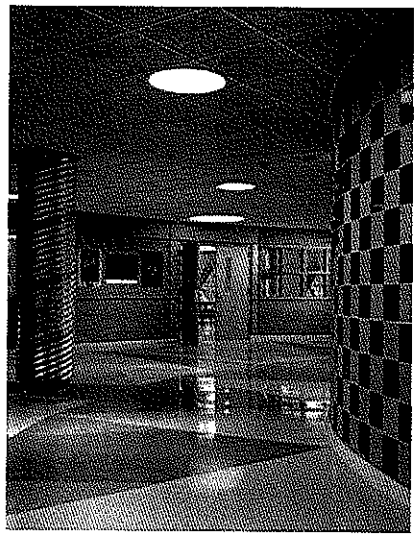
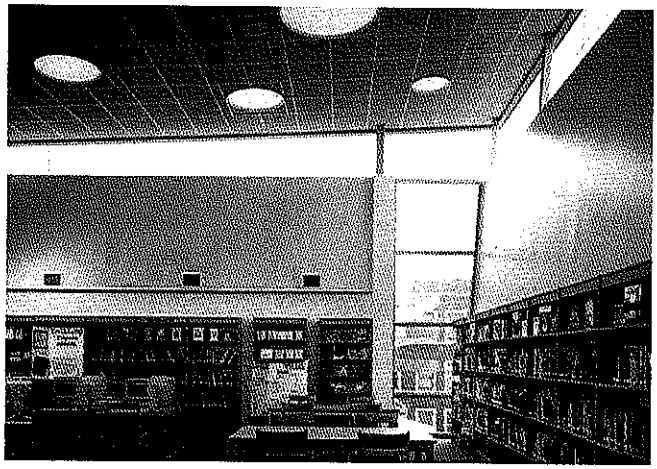
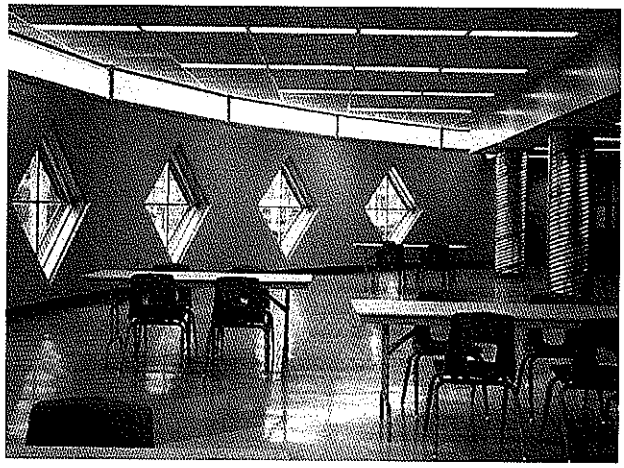
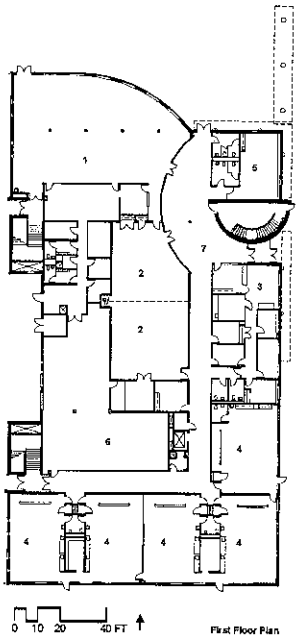




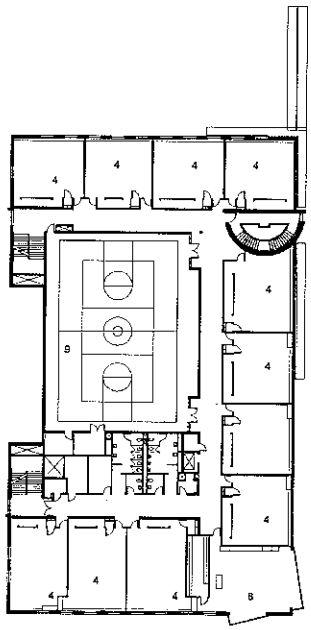


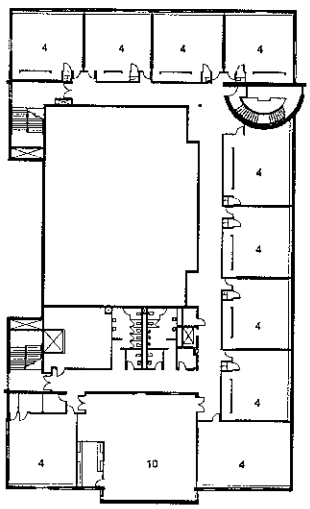






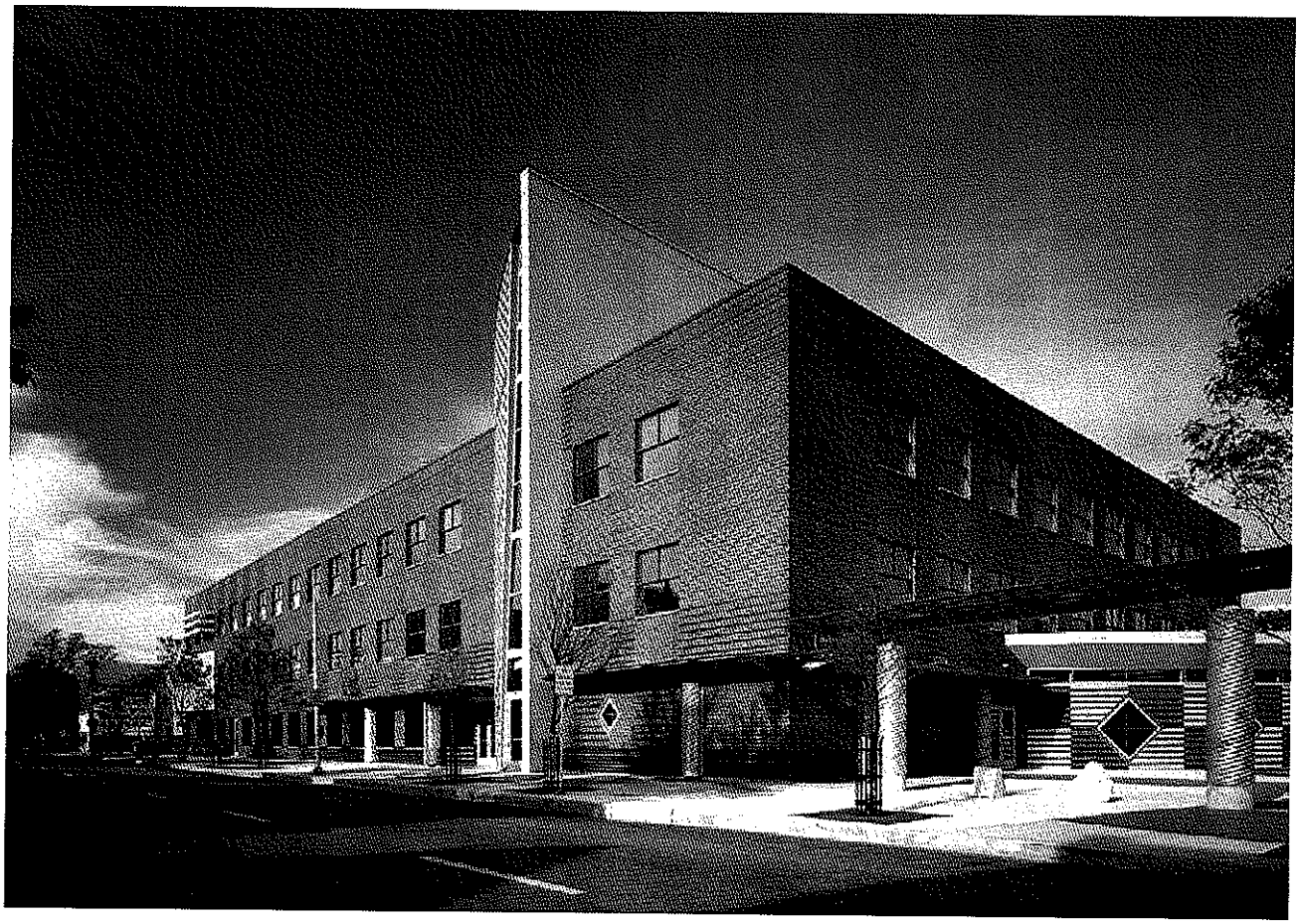
First Floor Plan



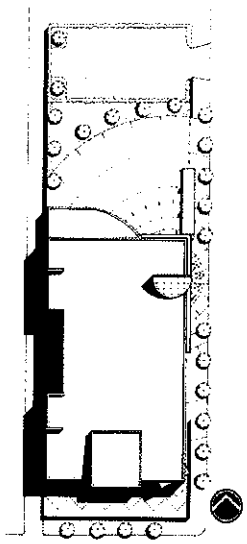


1. Dining
2. Multi Purpose
3. Administration
4. Classroom
5. Lounge
6. Mechanical
7. Lobby
8. Science Classroom
9. Gymnasium
10. Library

Little Village Academy – Chicago Public Schools – Chicago, Illinois



2002 Institute Honor Award for Architecture, American Institute of Architects. 1999 Institute Honor Award for Interior Architecture, American Institute of Architects. 1998 Richard H. Driehaus Foundation Award for Architectural Excellence in Community Design, Chicago Neighborhood Development Awards. 1997 Distinguished Building Award, American Institute of Architects Chicago. 1996 Silver Medal, Illinois Indiana Masonry Council. 1998 Merit Award Chicago Building Congress. 1997 Interior Architecture Award, American Institute of Architects Chicago. 1996 Educational Environments Exhibition, Illinois Association of School Boards. Michael Crosbie, "Class Architecture", Images Publishing, 2001. Tony Hiss, "Building Images: Seventy Years of Photography at Hedrich Blessing", Chronicle Books, 2000. Clifford Pearson, "*Little Village Academy-RB+J Designed an Elementary School with Civic Pride in a Hispanic Neighborhood and on a Tight Budget*", *Architectural Record* Magazine, October 1997. Blair Kamin, "New kids in class-2 elementary schools let Chicago take off the design dunce cap", *Chicago Tribune,* November 21, 1996.



Cost $7,000,000
Program 68,000 square foot
Status 1996

Reference
Fred Arana, Principal
Little Village Academy
2620 S. Lawndale
Chicago, Illinois 60623
P. 773.534.1880
F. 773.534.1893

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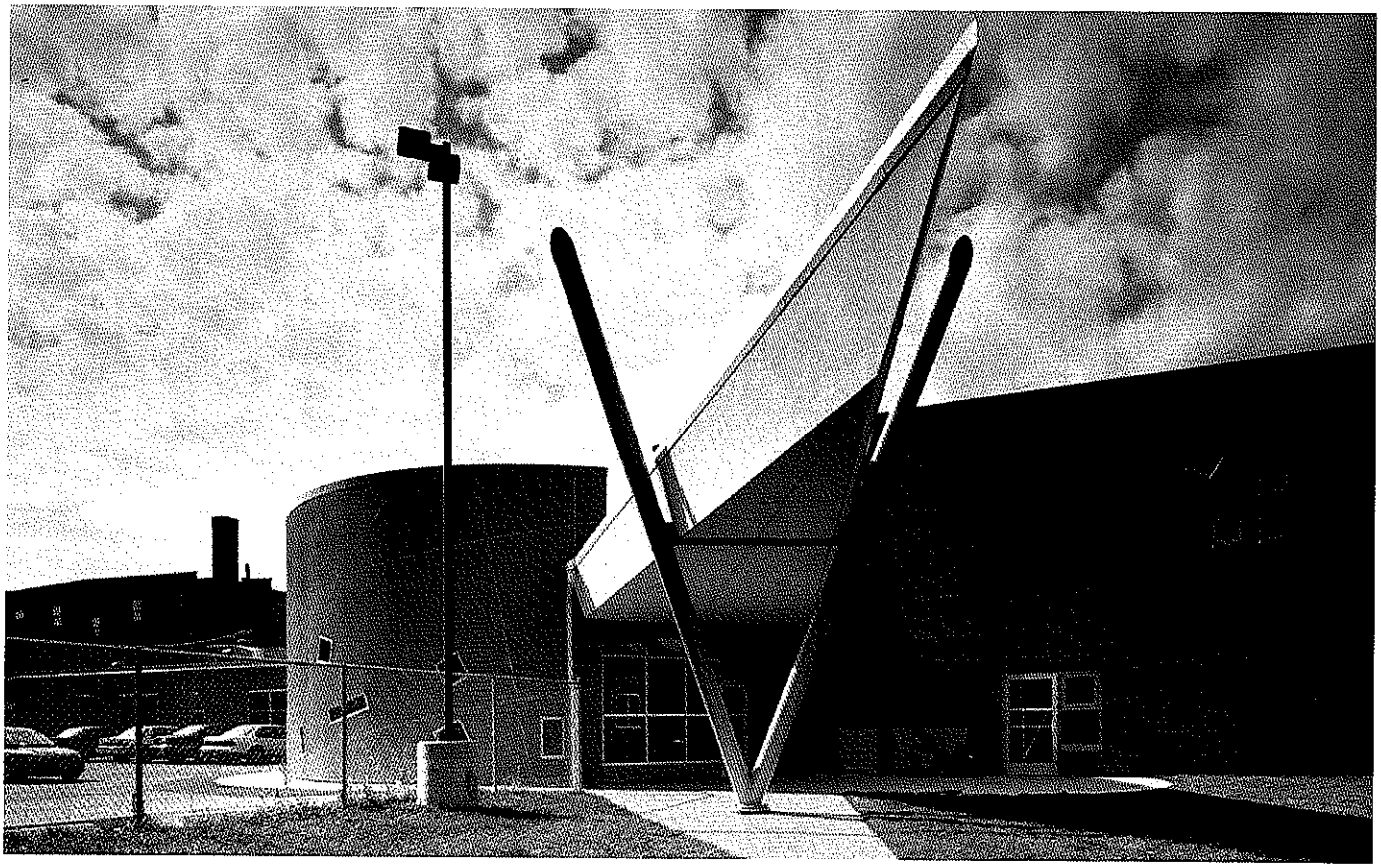


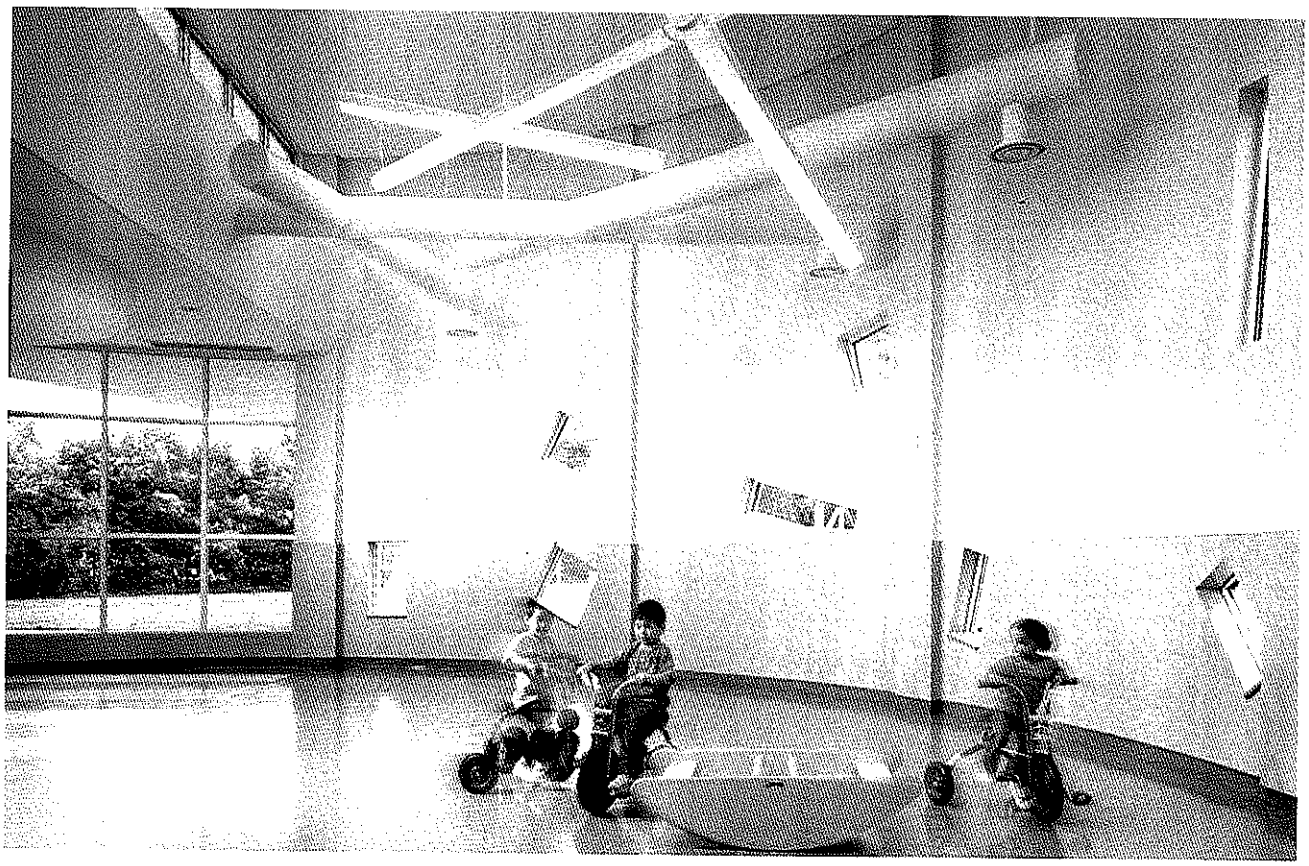
Little Village Family Resource Center

The Little Village Family Resource Center is a two story, 22,000 square foot addition to an existing 15,000 square foot Child Care and Family Resource Center. The expanded facility provides early childhood care for 270 children ages infant through 12. The new facility addition allows the Center to further strengthen the community by improving the quality and range of family support services, including child care, after-school programs, parenting education, job training and counseling.

The small existing site across the street from Douglas Park, posed physical limitations for expansion. Placing the new structure away from the existing building created an outdoor courtyard that functions as a protected play space for infants. Semi-circular forms from the Conference and Gross Motor Rooms with floating ceiling planes serve to identify the entry to the building.

The outdoor courtyard between the Entry and Gross Motor Rooms creates long views through the Center, adding to the community feel. Patterned masonry and colorful awnings create a playful tie to the existing building.

Classrooms are light filled and wide open to provide flexibility in accommodating new teaching and learning trends. Surge space located at each classroom door provides an extra area to park strollers and queue children as they venture outside of their classroom environment.



Little Village Family Resource Center – Carole Robertson Center For Learning – Chicago, Illinois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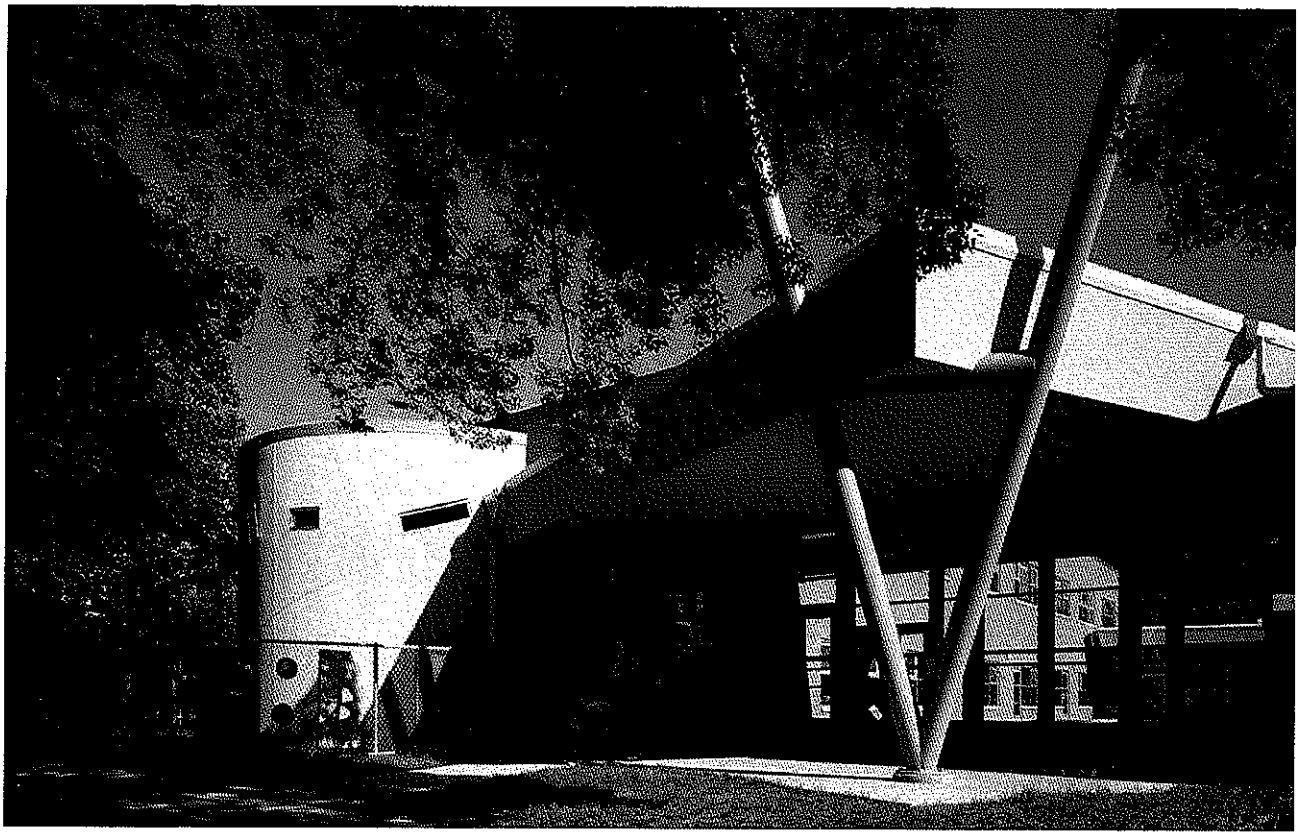
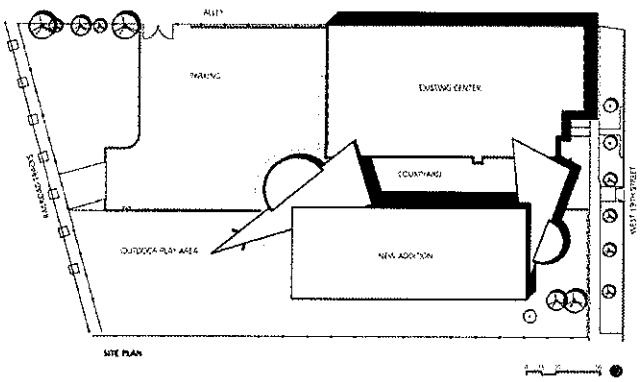
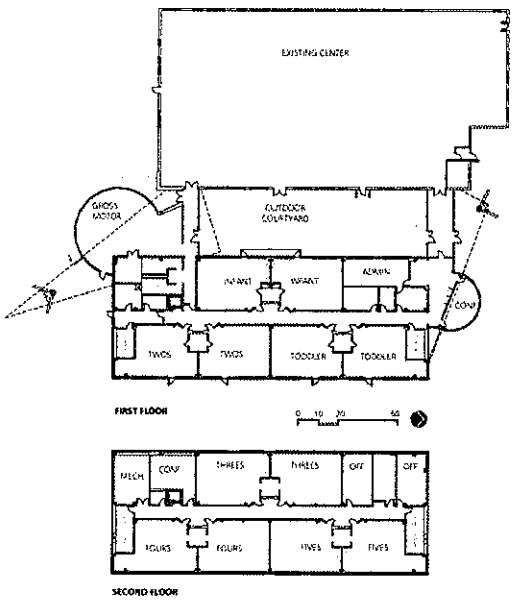


2001 Richard H. Driehaus Foundation, Architectural Excellence in Community Design. 2001 Merit Award Finalist, Chicago Building Congress. 2000 Richard H. Driehaus Foundation Award, Architectural Excellence in Community Design.





Cost $2,600,000
Program 22,000 square foot addition
15,000 square foot renovation
Status 2001

Reference
Gail Nelson, Executive Director
Carole Robertson Center for Learning
2020 W. Roosevelt Road
Chicago, IL 60608
p. 312.243.7300
f. 312.243.4881
e. nelsong@crcl.com

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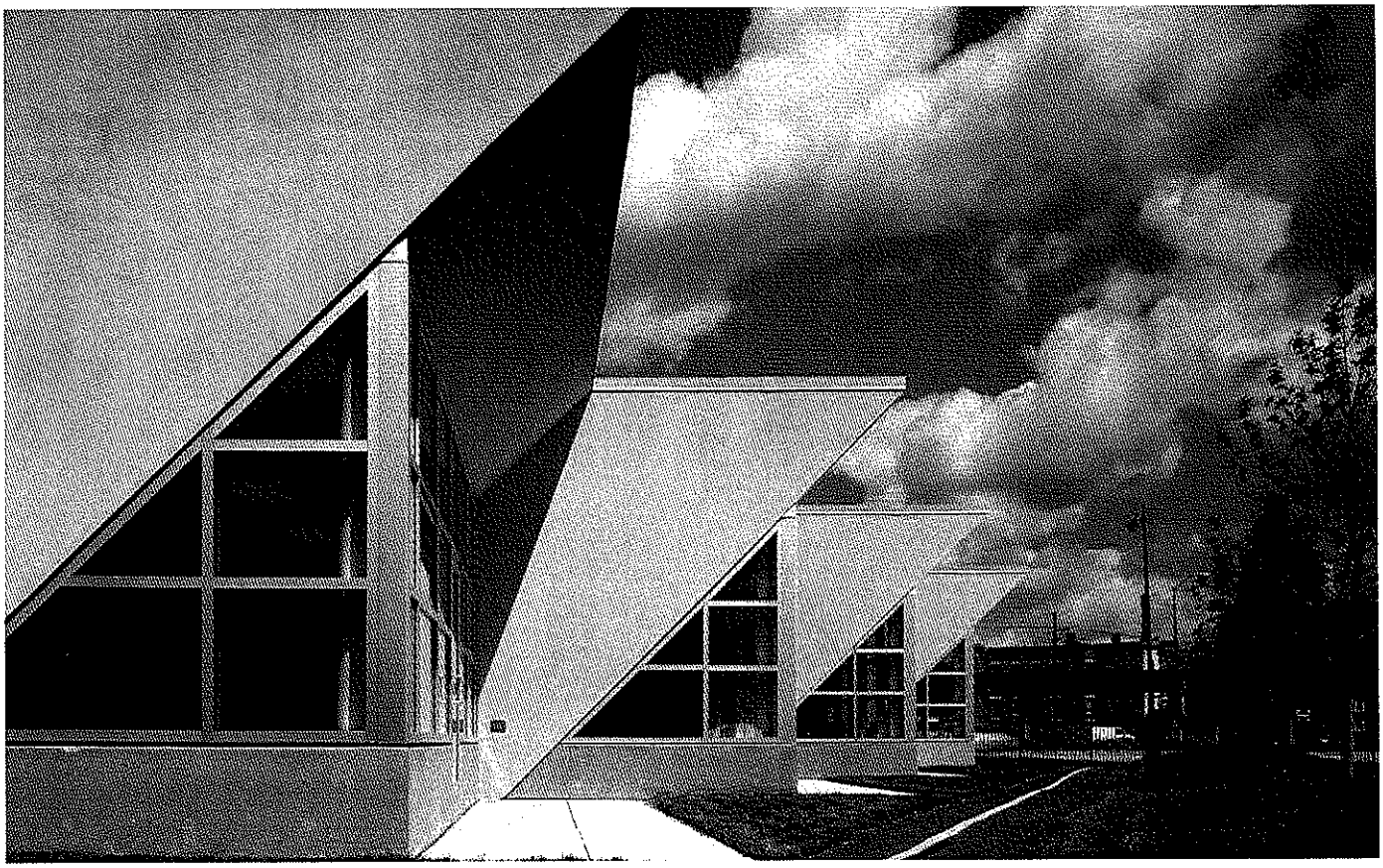


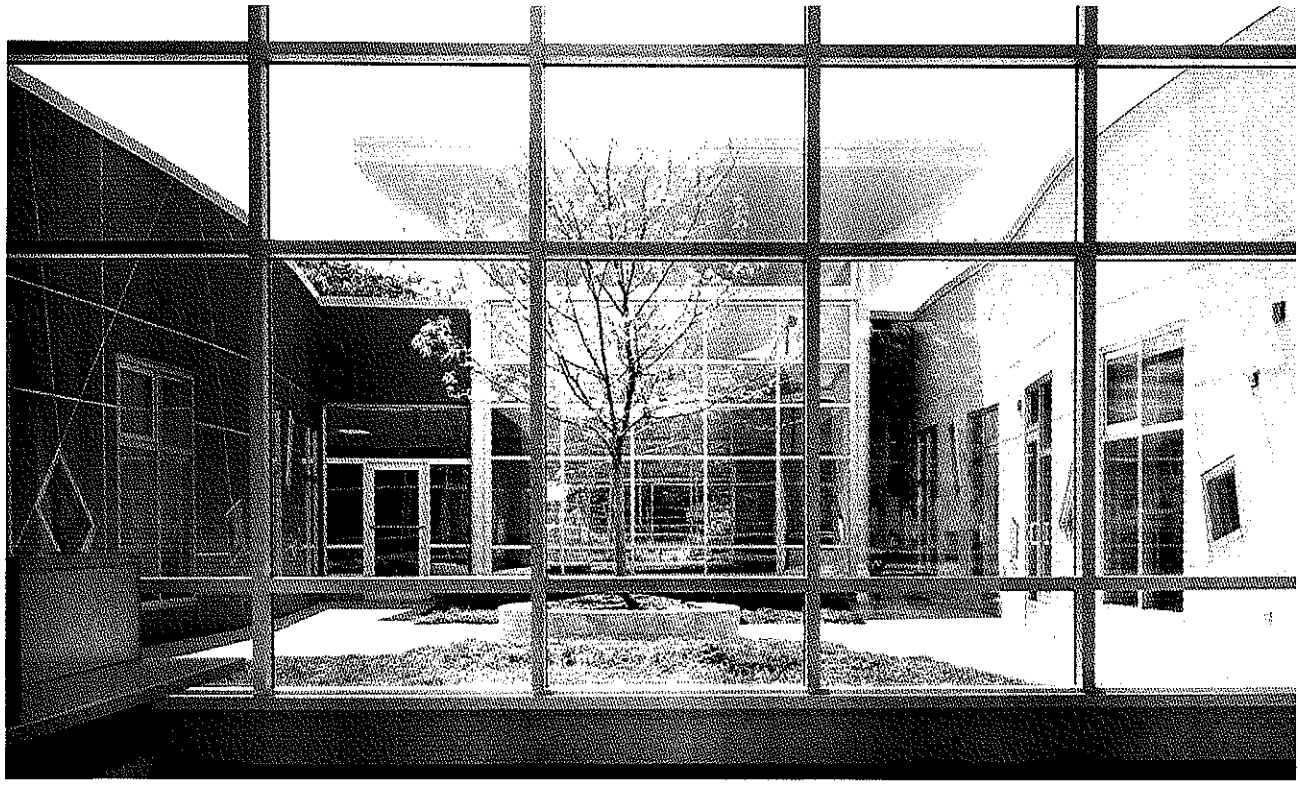
Jubilee Family Resource Center

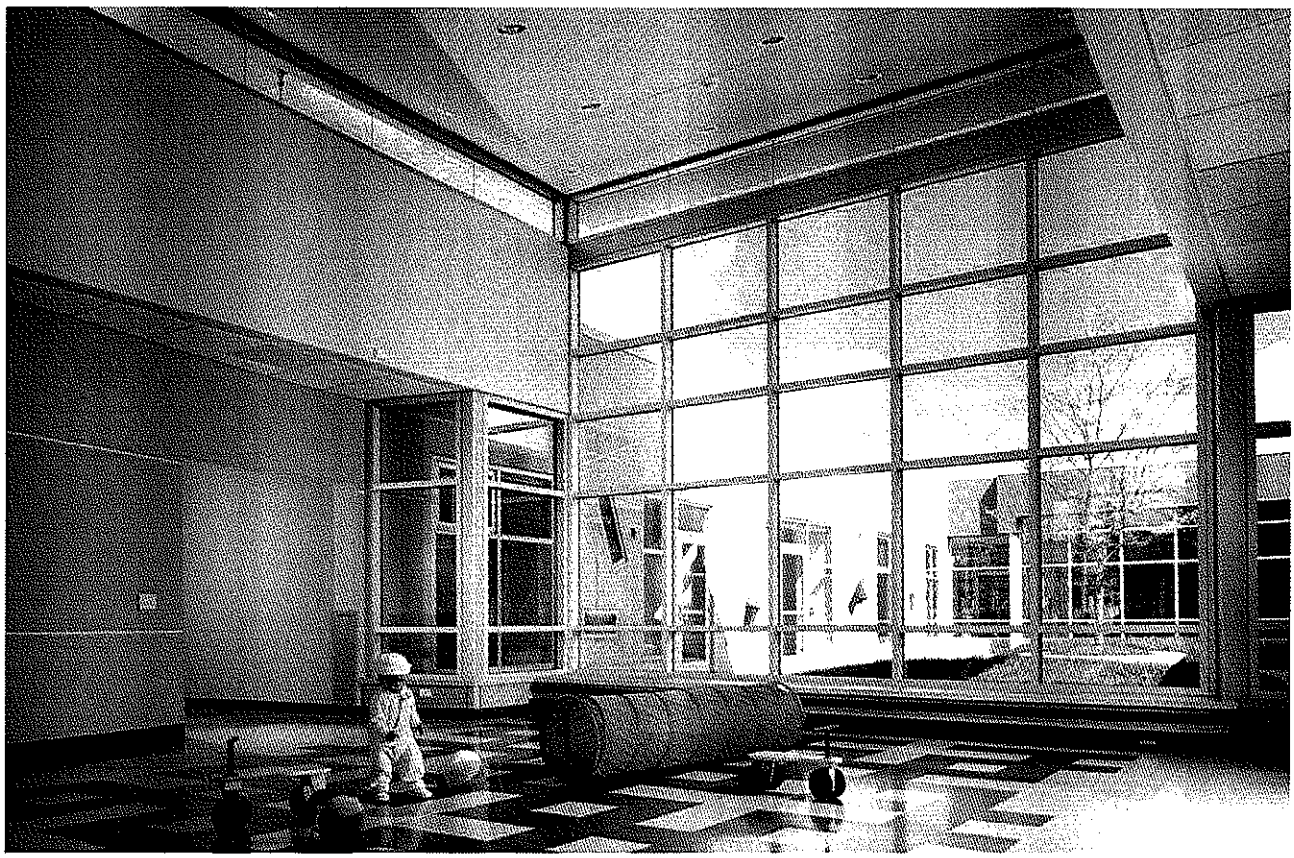
Developed by a faith based community organization, the site for the new Jubilee Family Resource Center is part of the commercial strip along Ogden Avenue in the North Lawndale neighborhood. The 23,000 square foot facility responds to the need for cost effective "sustainable" materials. The Center is viewed as a key element in the continued redevelopment of the area.

The open site provided the opportunity to design a one story center which reflects the scale of the neighborhood and the children it serves. The classrooms are organized around a central courtyard which provides a protected play area for infants. The classrooms fronting Ridgeway and Lawndale Avenues are "stepped" to respond to both the geometry of the site and the scale of the residences in the neighborhood.

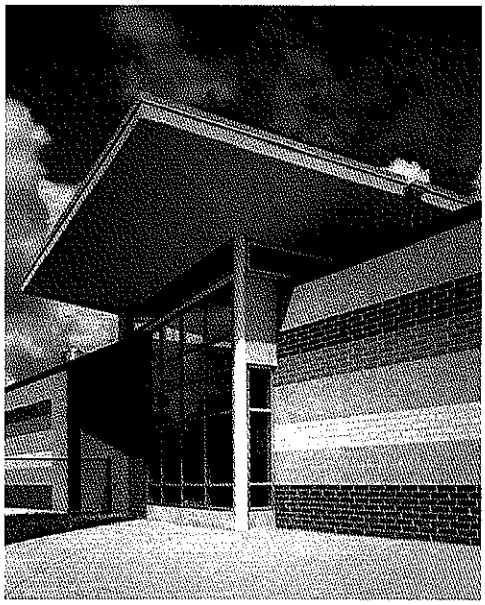
The gross motor play area is housed in a glass pavilion that provides views through the entire center and the community beyond. The patterned floor tiles, modeled after the Raffia cloths of Zaire, form floor mats at the entrances to the center, classrooms and the gross motor room.

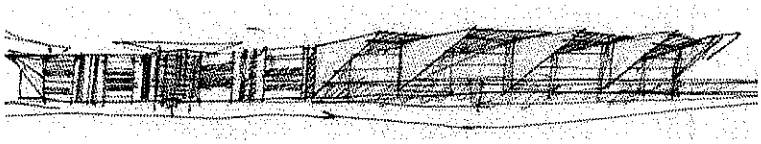
The North and South facades present a woven masonry pattern resembling Kente cloth. Formerly the garb of only royalty, Kente is worn today by many who regard it as a symbol of African pride and dignity.

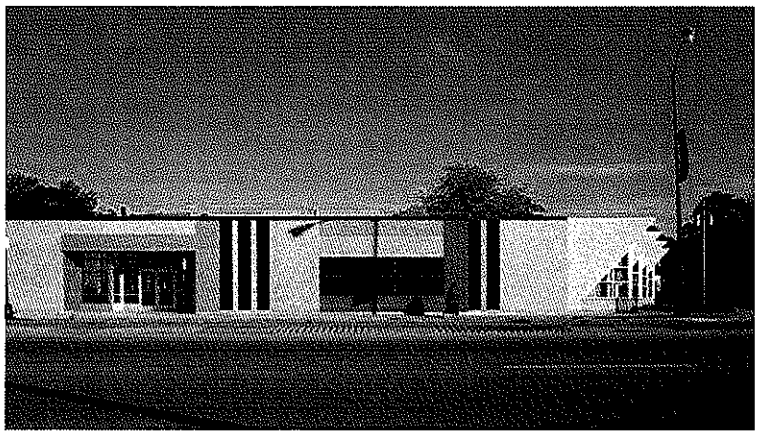


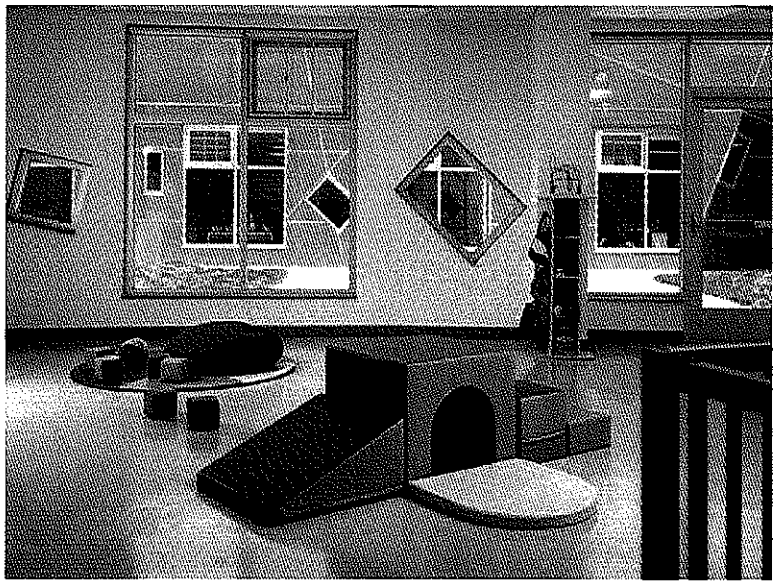


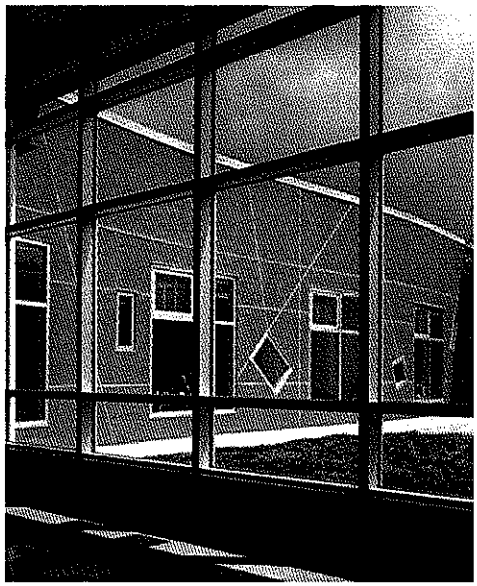
Jubilee Family Resource Center – Carole Robertson Center For Learning – Chicago, Illinois

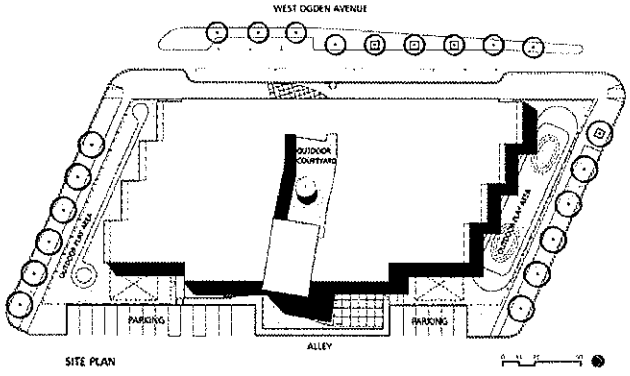




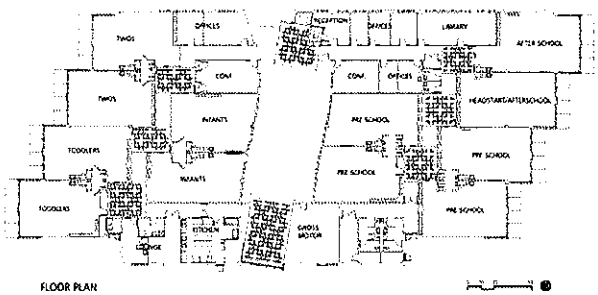




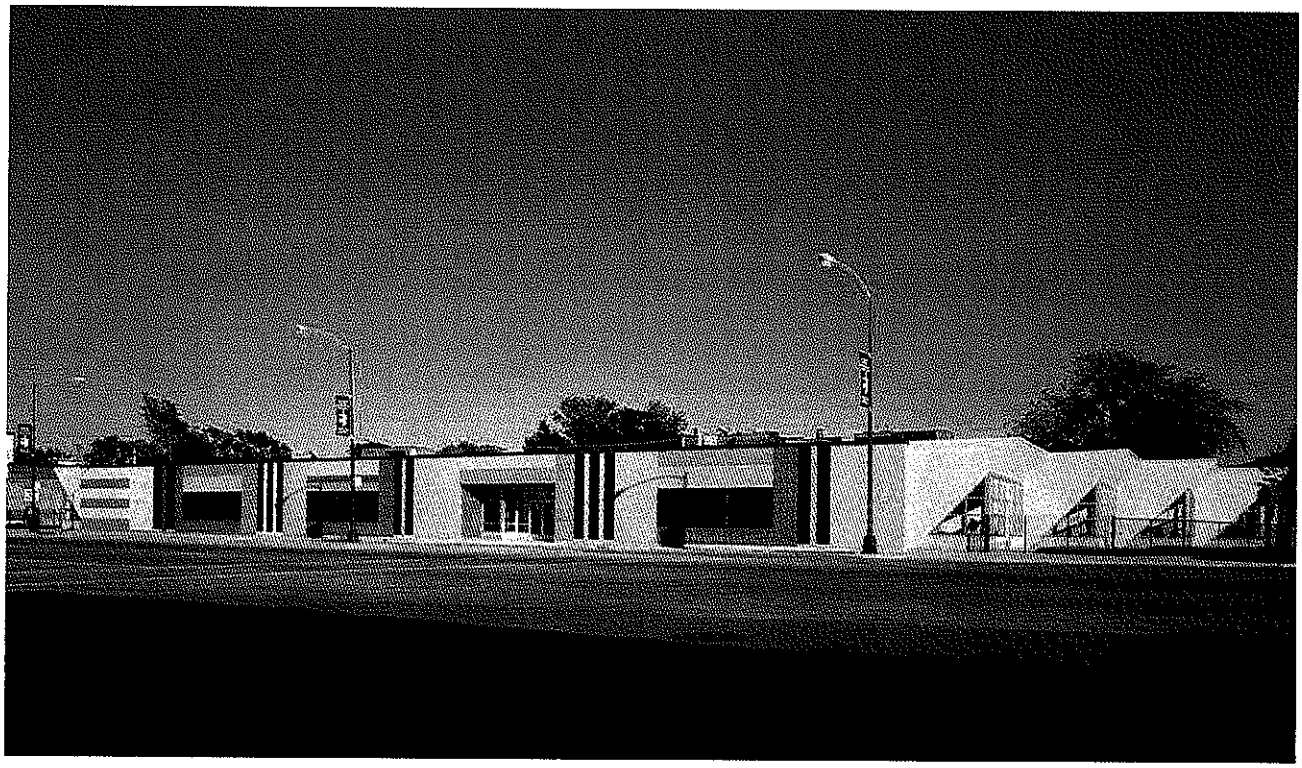




SITE PLAN



FLOOR PLAN



2003 Distinguished Building Award, American Institute of Architects Chicago. 2002 Interior Architecture Award, American Institute of Architects Chicago. 2002 Richard H. Driehaus Foundation Award for Architectural Excellence in Community Design. 2002 Merit Award, Chicago Building Congress. 2001 Silver Medal, Illinois Indiana Masonry Council. Edward Keegan, "Carol Ross Barney: Portfolio", Architecture Magazine, September, 2002

Cost $2,898,000
Program 23,000 square foot
Status 2002

Reference
Gail Nelson, Executive Director
Carole Robertson Center for Learning
2020 W. Roosevelt Road
Chicago, IL 60608
p. 312.243.7300
f. 312.243.4881
e. nelsong@crcl.com

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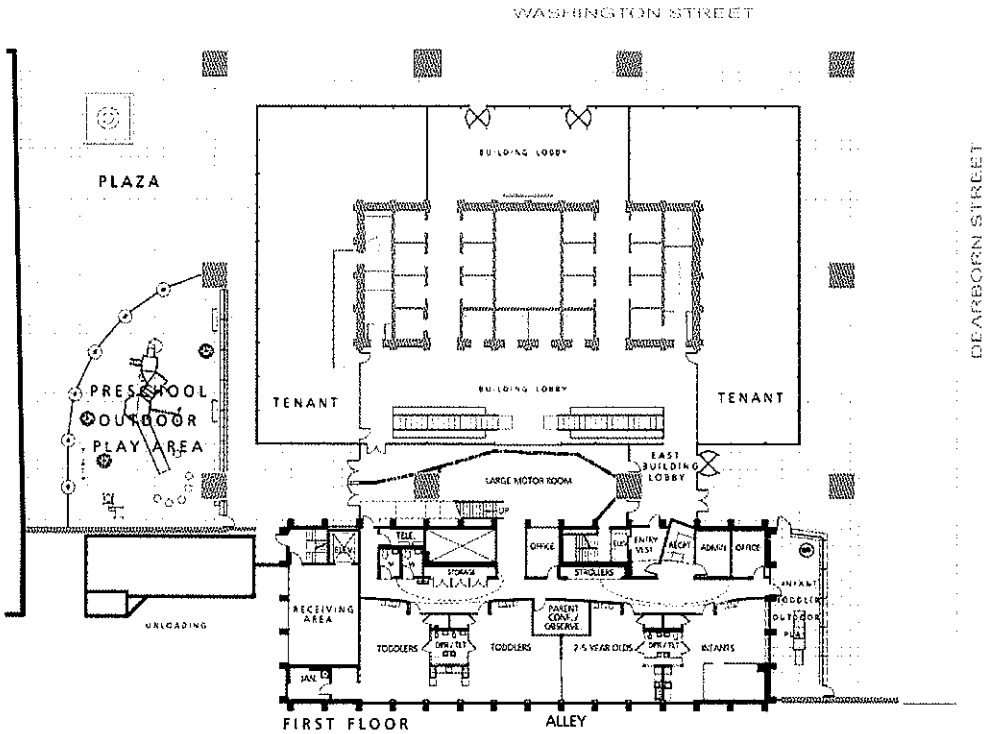
Cook County Child Care Center

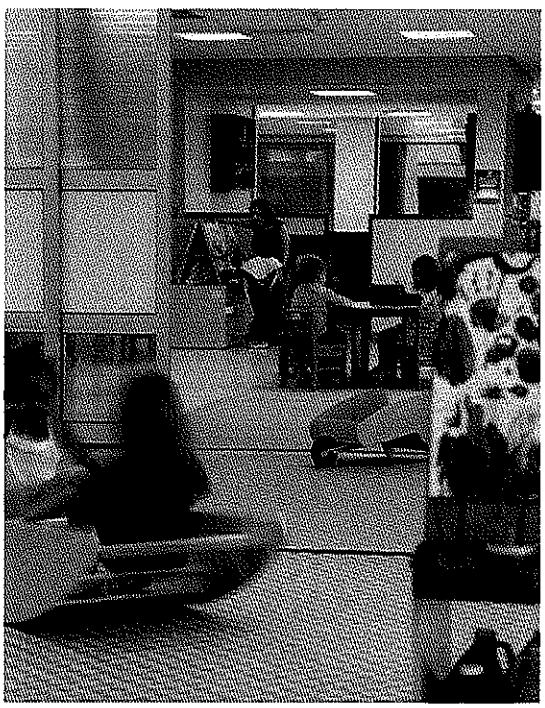
Ross Barney Architects has enjoyed a working relationship with the owners and management of 69 W. Washington since 2000. The existing 35 story office building was constructed in 1963 in a modern concrete style.

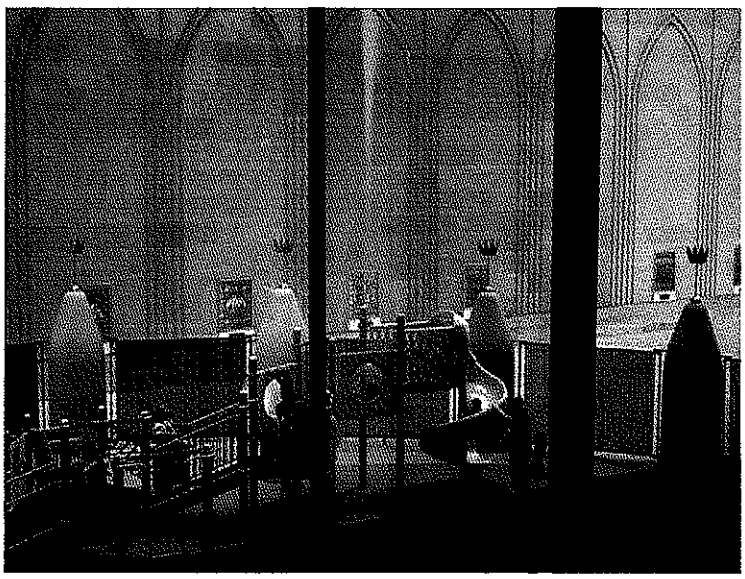
The Cook County Childcare Center, our first project in the building, serves both the City and County employees with capacity for 120 children, ages 6 weeks to five years. The center is located on the 1st and 2nd floor, with classrooms and offices configured in fluid forms. The large in-door motor play area takes on a free-form shape in a two story atrium to contrast the building's strong geometry. The center incorporates ideas, forms and materials from close-by, famous works of art.

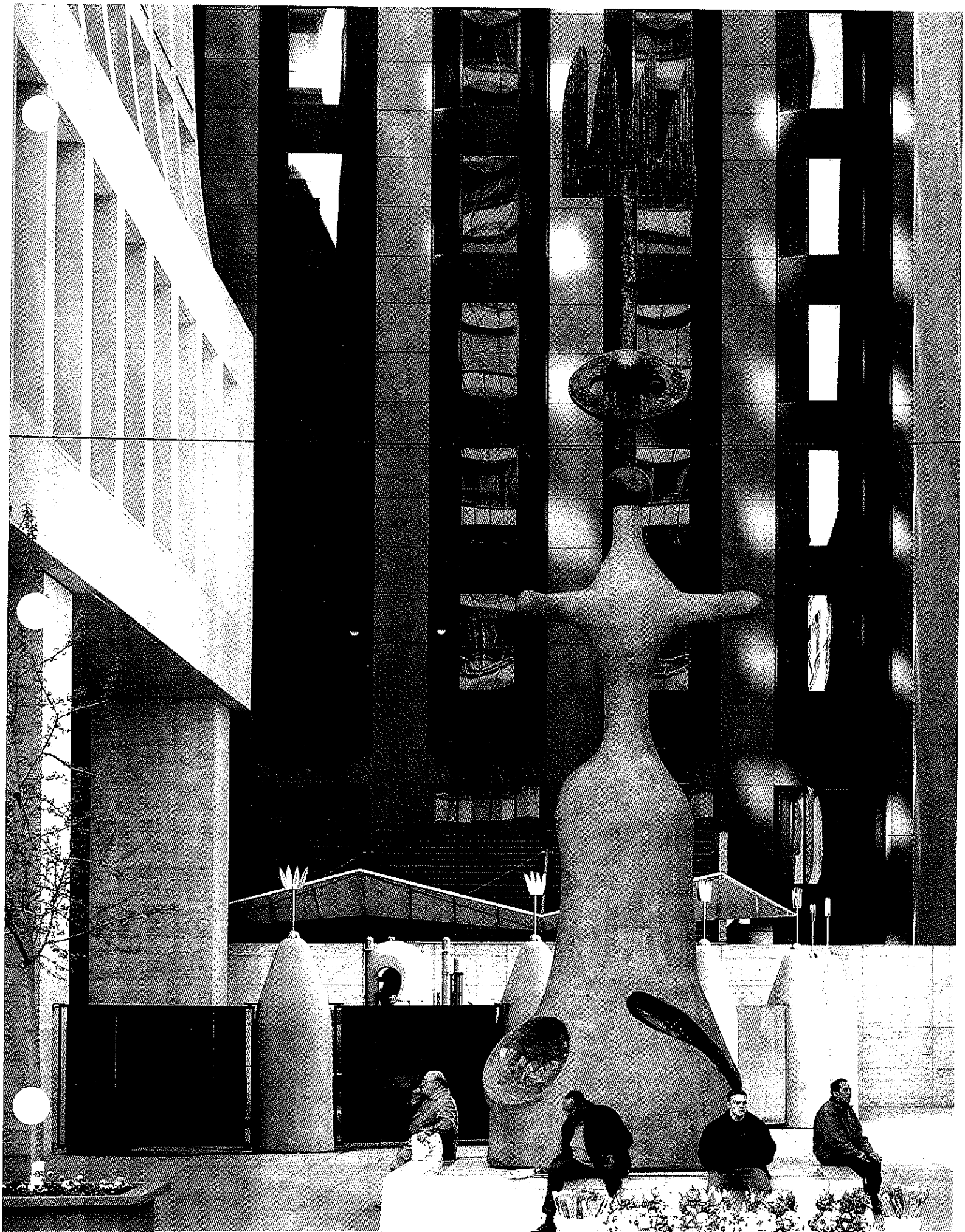
As construction of the Childcare Center neared completion, Ross Barney Architects completed a study to investigate exterior paint options while preserving the historic integrity of the structure. Digital imaging software was used to aid the County in their decision to maintain the building's existing appearance. ***r_barc*** evaluated, designed, and documented a new accessible east-side entrance on Dearborn Street. The solution of implementing horizontal sliding doors with automatic operators and sensors not only addressed accessibility but also the building's extreme pressurization conditions.

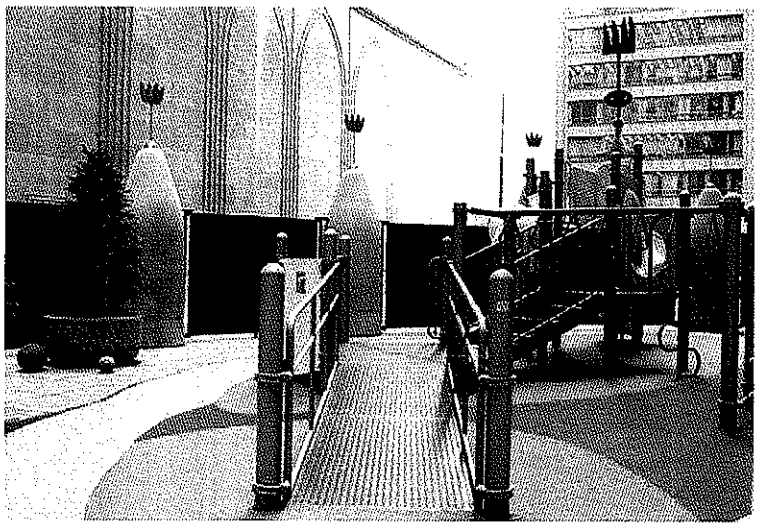
Ross Barney Architects was a participant of a "quick response team," addressing the issues and damages which occurred from the tragic fire of 2003. As a result of the fire damage, improvements to 550,000 square feet of the building's infrastructure were assessed including a new fire protection system, new ceilings, and lighting. ***r_barc*** produced plans and permit documents for the relocation of tenants to alternative locations within the building.

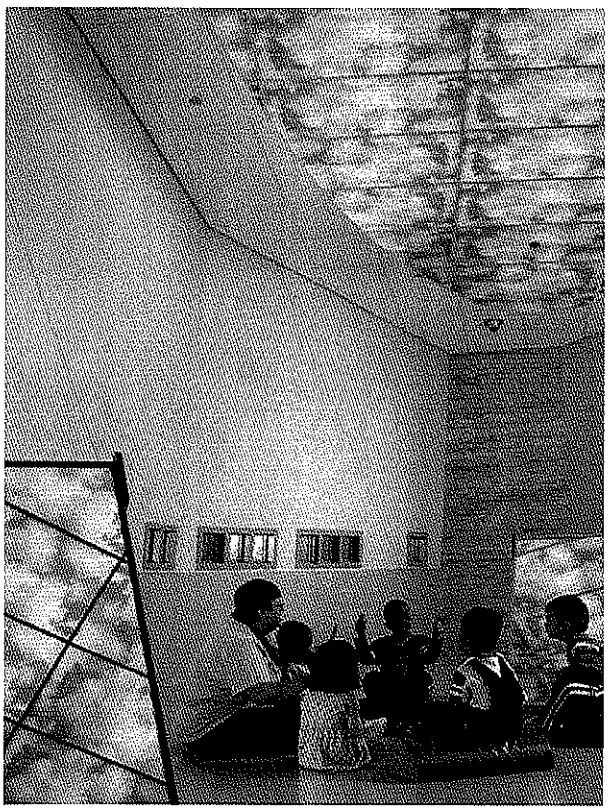

WASHINGTON STREET
DEARBORN STREET
PLAZA
PRESCHOOL OUTDOOR PLAY AREA
TENANT
TENANT
BUILDING LOBBY
BUILDING LOBBY
LARGE MOTOR ROOM
EAST BUILDING LOBBY
OFFICE
ENTRY VEST
ADMIN
OFFICE
STROLLERS
STORAGE
RECEIVING AREA
UNLOADING
PARENT CONF./ OBSERVE
TODDLERS
TODDLERS
2-5 YEAR OLDS
INFANTS
INFANT
TODDLER
OUTDOOR PLAY
JAN
FIRST FLOOR
ALLEY

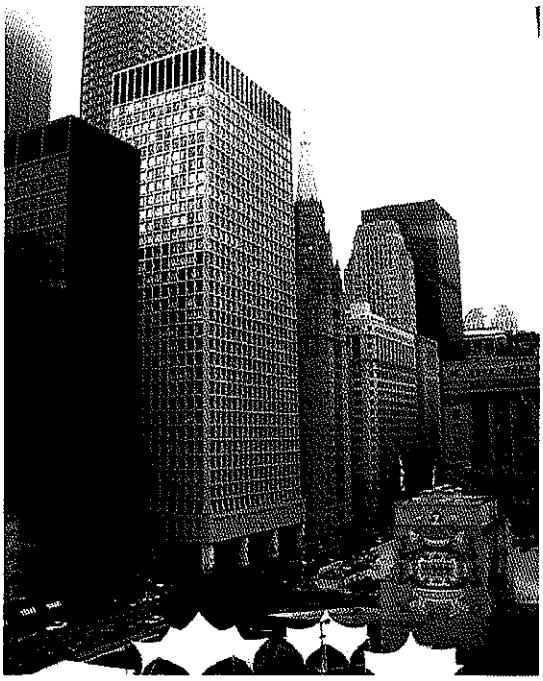












Cost $5,250,000
Program 16,000 square feet Child Care Center
550,000 square foot new fire
protection system, new ceilings and lighting
Status Child Care Center - 2002
Fire Damage Work - 2003

Reference
Martin Panek
69 W. Washington Management Co.
69 W. Washington, Ste 1430
Chicago, IL 60602
p.312.603.0406

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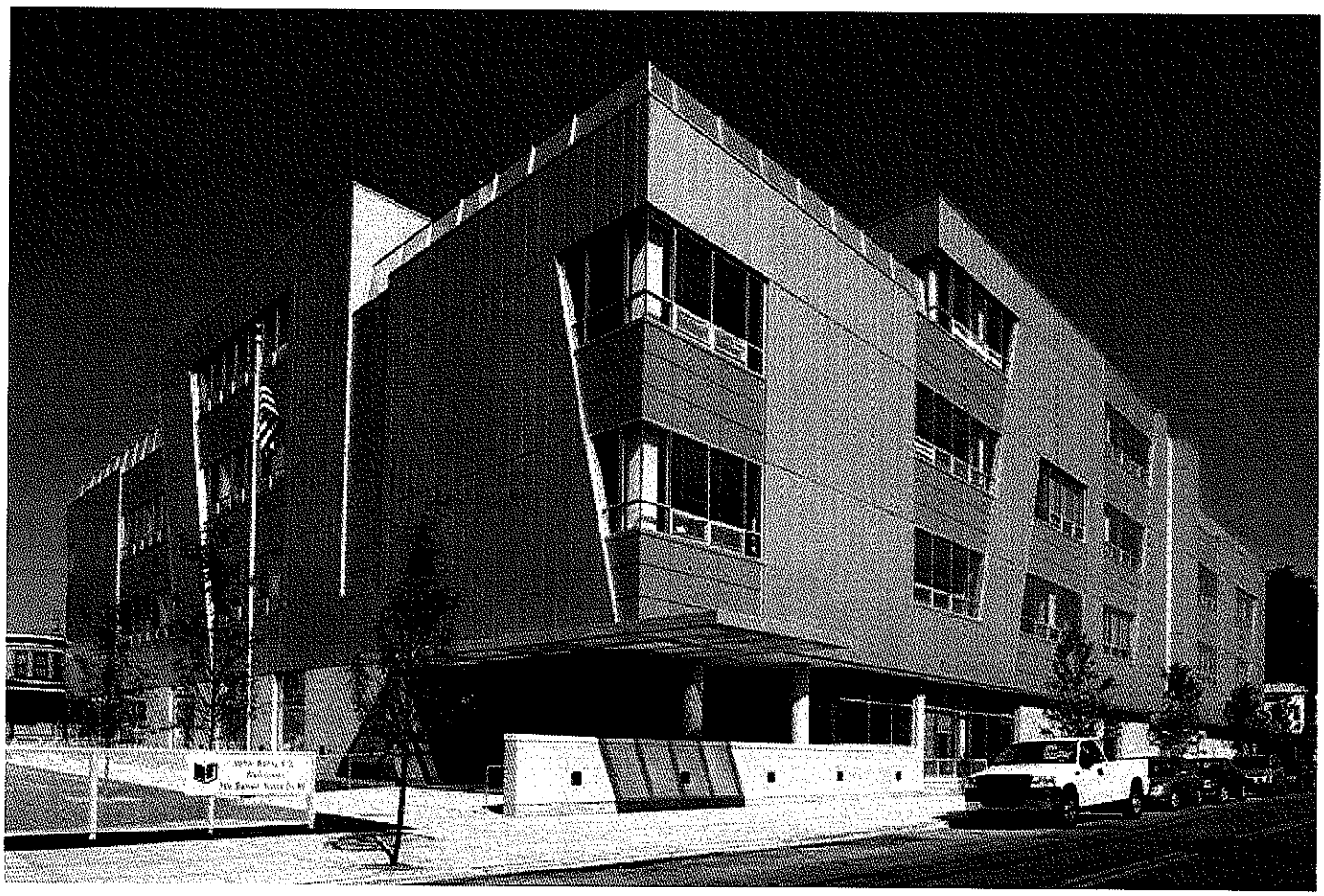


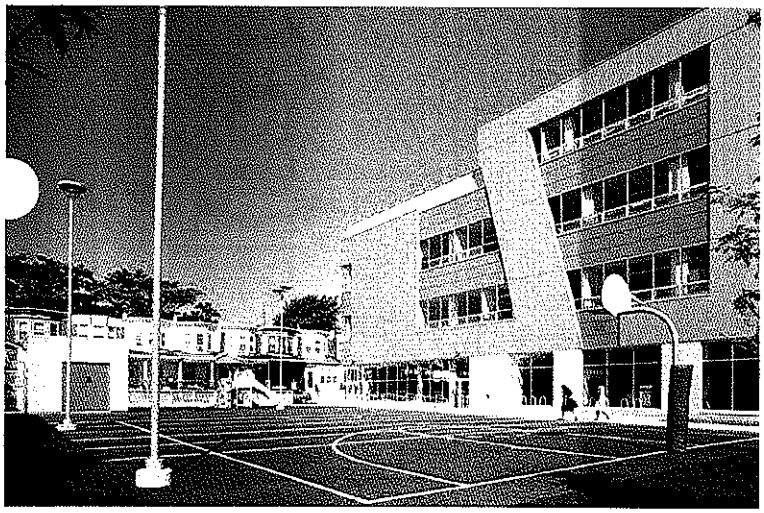
Commodore John Barry Elementary School

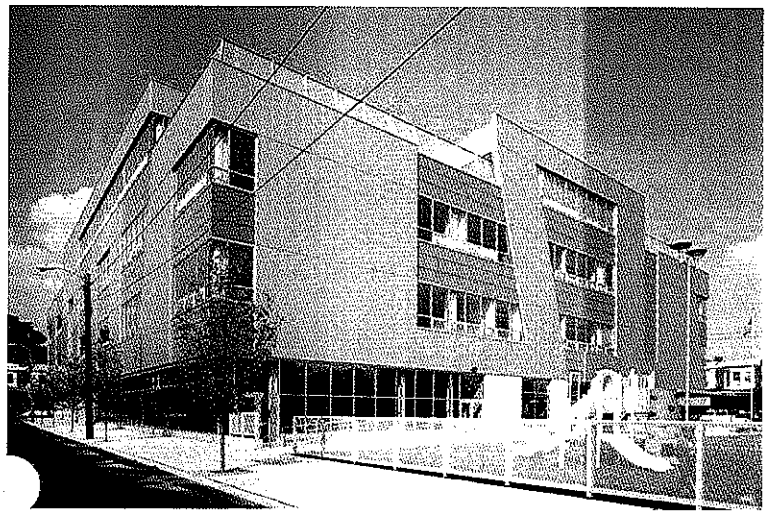
The new Elementary School in West Philadelphia accommodates 646 students from pre-kindergarten through 8th Grade. The school was built on site of the original school, located at 5900 Race Street. The site is 43,650 square feet and is located in the middle of a residential neighborhood bounded on all four sides by 2 story brick row houses, dating to the early 1900's.

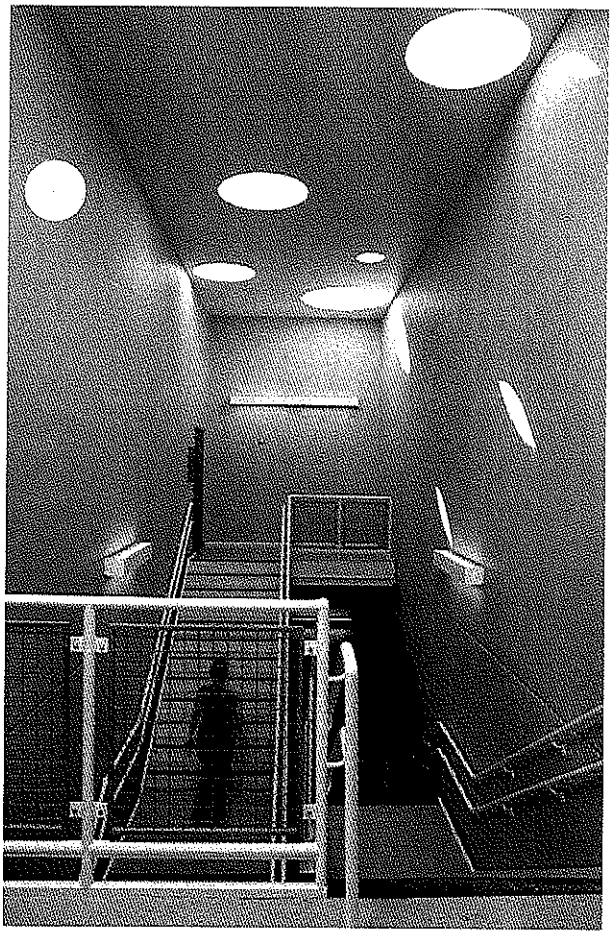
The School District of Philadelphia required that the design and construction documents for the new school to be completed in 8 months. The construction of the building was completed in 16 months. The successful completion of the school is largely due to community involvement throughout the planning, design and construction of the new school.

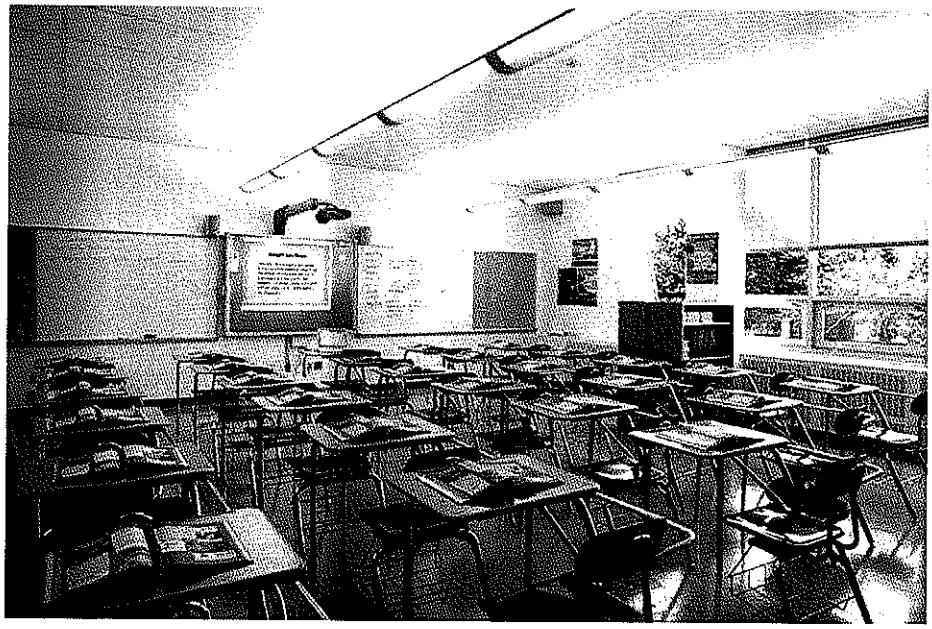
The school was designed and constructed using the US Green Building Council's Leadership in Energy and Environmental Design (LEED) rating system for new construction to achieve a Silver rating, but actually achieved Gold. The outcome is a new school that uses less of our valuable resources, such as energy and water, and provides a healthy environment for children to learn and play.

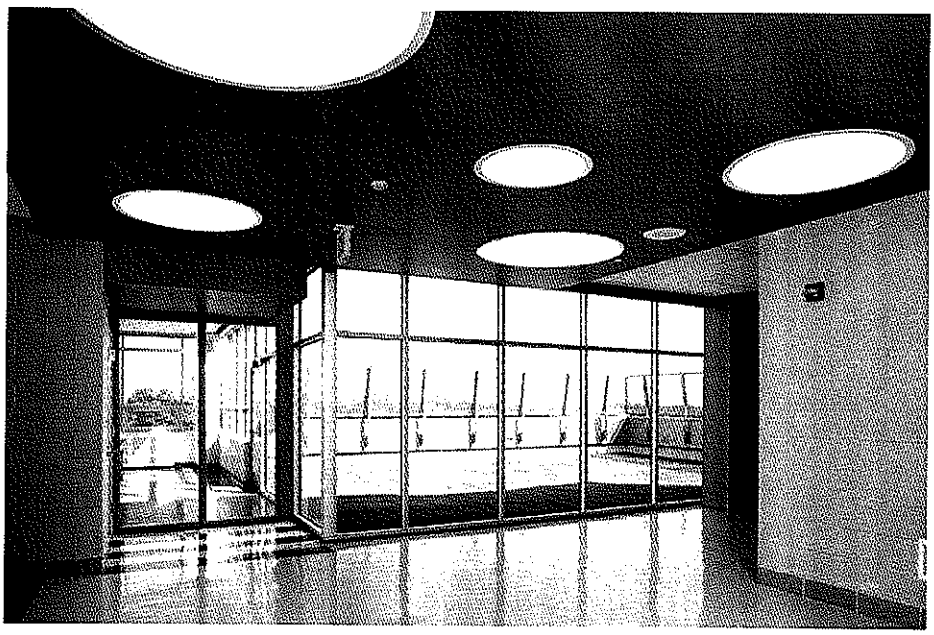
Because of the tight urban site, a four story school was designed in order to maximize outdoor play area and neighborhood green space. The ground floor is just 25,500 square feet, preserving over 40% of the site as open space. To the south of the building are a basketball court and a shaded playground; and to the north are enclosed outdoor play spaces located off the pre-kindergarten classrooms.











The $28 million building is approximately 100,000 gross square feet and designed in three horizontal zones. The base zone, or first floor, houses the lobby, cafetorium with stage area and administrative offices. These spaces provide a public commons for the students and a meeting place for the community. In addition, the pre-kindergarten and kindergarten classrooms are located on ground level.

The middle zone consists of two identical floors that containing classrooms for first through eight grade. The classrooms are arranged around the two story Gymnasium and are organized to create smaller internal communities, either "small schools within a school" or grade related instructional clusters.

The top zone of the school is developed as a special learning center and includes the arts and sciences classrooms, and the Instructional Media Center with library, computer classroom, and conference rooms. These spaces share several outdoor decks that can be used for hands-on learning experiences. A special education classroom and outdoor play area is also located on this level.

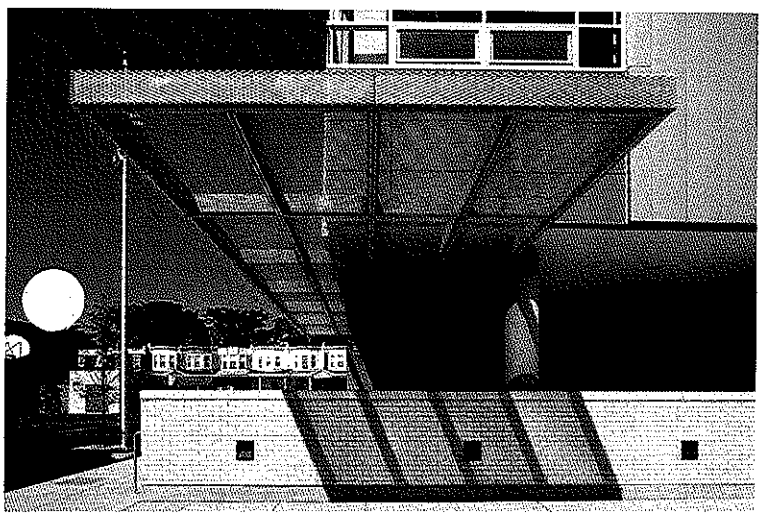
Commodore John Barry Elementary School – School District of Philadelphia – Philadelphia, Pennsylvania

The exterior of the building is glass, glazed brick and metal wall panel. The glazed brick was used primarily at the base of the building for its durability characteristics. One of the reasons for selecting the metal wall panel system for the rest of the building enclosure was to minimize the construction time for enclosing the building. Also, the selection of the insulated metal wall panel system creates a high performance building enclosure through its thermal properties.

The wire mesh fence enclosures provide protection at the roof area, while still giving the school an open and inviting feel. These materials will distinguish the school as an example for the community while complementing the existing surrounding structures.

Daylighting and views have been found to be one of the key components in a high performance school design. The design of the new Barry Elementary school maximized the amount of daylighting into the classrooms as well as other spaces in the building. Combined with a lighting control system, a functional, energy and cost efficient environment was provided for the students of the school.

The school was designed for a LEED Silver rating but actually achieved a Gold Certification, established by the U.S. Green Building Council, and includes many features listed below to make it an example of sustainable and green architecture.



Sustainable Sites
•Urban site located within ¼ mile of public bus lines.
•Urban site located with ½ mile of 20 community services.
•Redevelopment of a Brownfield site.
•Reflective roof to control to mitigate the heat island effect.
•Landscaped to mitigate the heat island effect.
•Racks, showers and changing rooms to encourage bicycling.
•Porous pavements to ease storm water impact on the environment.
•Exterior light fixtures with full cut-off optics to mitigate light pollution.

Water Efficiency
•Landscaped with native or adapted vegetation.
•No permanent irrigation system.
•Rainwater collected and used to flush water closets and urinals.
•40% reduction of water use over baseline
•Low-consumption water closets.
•Low-consumption urinals.
•Low flow lavatories.

Energy and Atmosphere
•Energy efficient design saving 31.5% over baseline
•High performance exterior glass, walls, and roof.
•High efficiency mechanical equipment.
•T5 energy efficient fluorescent lighting
•Skylights for natural daylight.
•Lighting controls to enhance performance of day lighting.
•Occupancy sensors for control of artificial lighting.

Indoor Environmental Quality
•Low emitting materials.
•95% of the occupied spaces use day lighting.
•90% of the occupied spaces have views to the outdoors.
•Enhances control of lighting.
•Enhanced control of heating and air conditioning.

Materials and Resources
•Space provided for the storage and sorting of recyclables.
•Over 75% of construction waste diverted from landfills.
•Over 20% of the materials from recycled materials.
•Over 10% of materials from local and regional sources.

Cost $28,200,000
Program 100,000 square foot
Status Completed 2008
LEED Gold Certification

Associate Architect The Sheward Partnership

Reference
Bob Wolfe, Project Manager
Philadelphia School Improvement Team
440 North Broad Street. Philadelphia, PA 19130
p. 215.400.8836
f. 215.400.8801

Commodore John Barry Elementary School – School District of Philadelphia – Philadelphia, Pennsylvania

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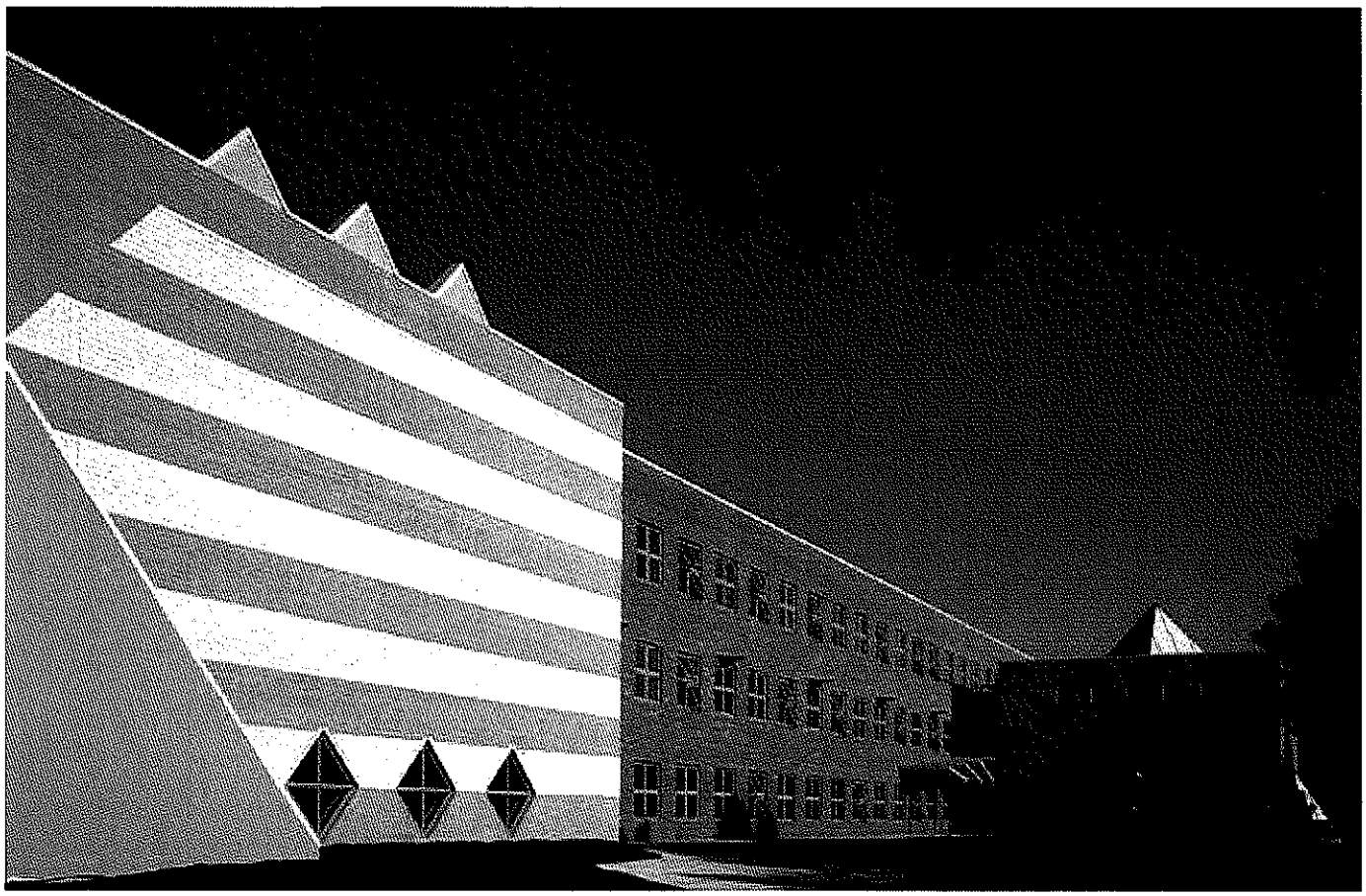
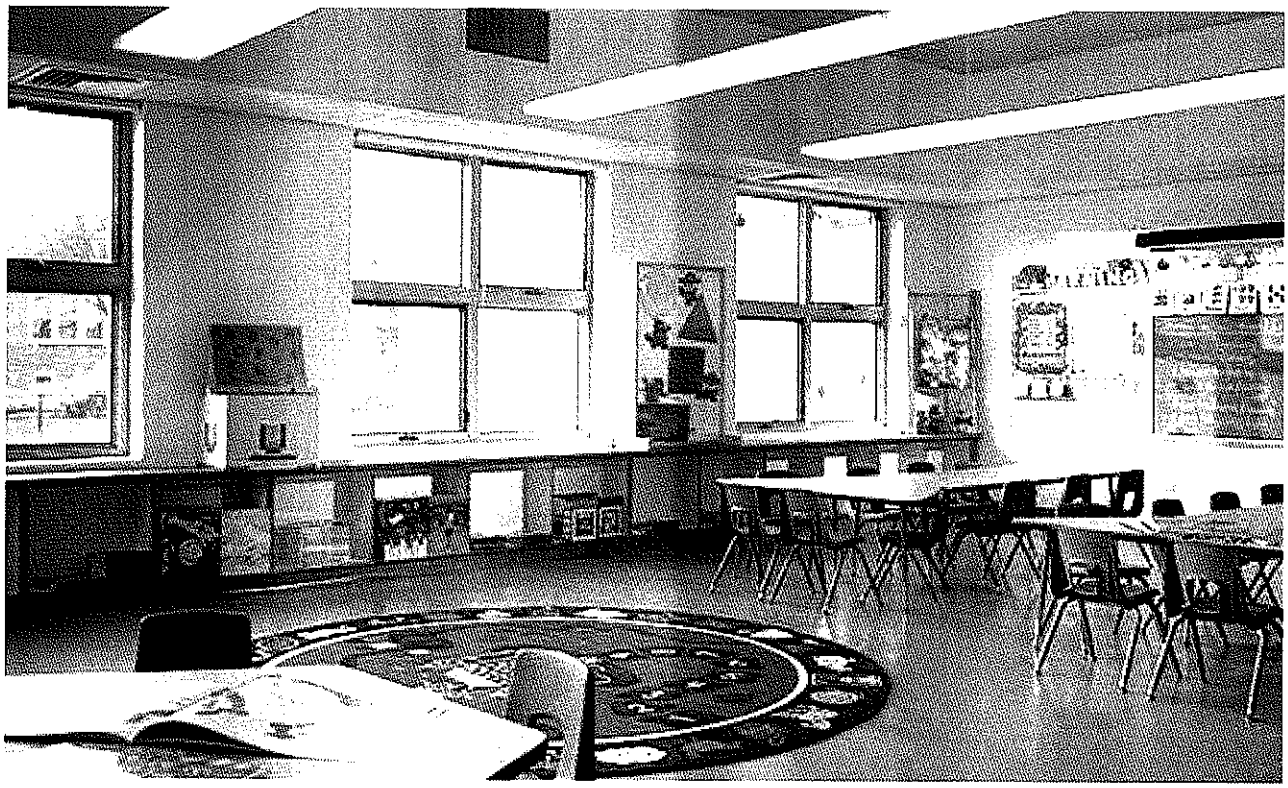


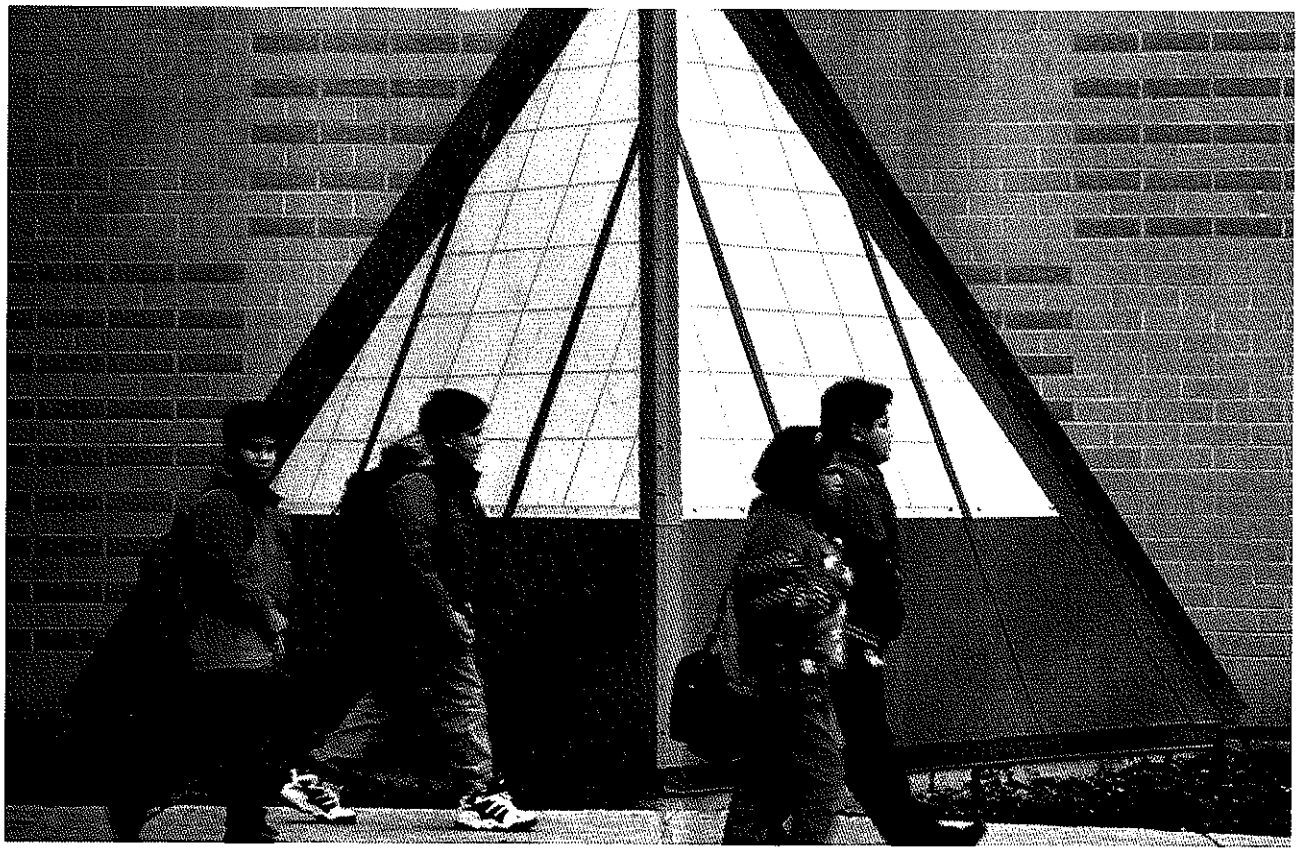
Cesar Chavez Multicultural Academic Center

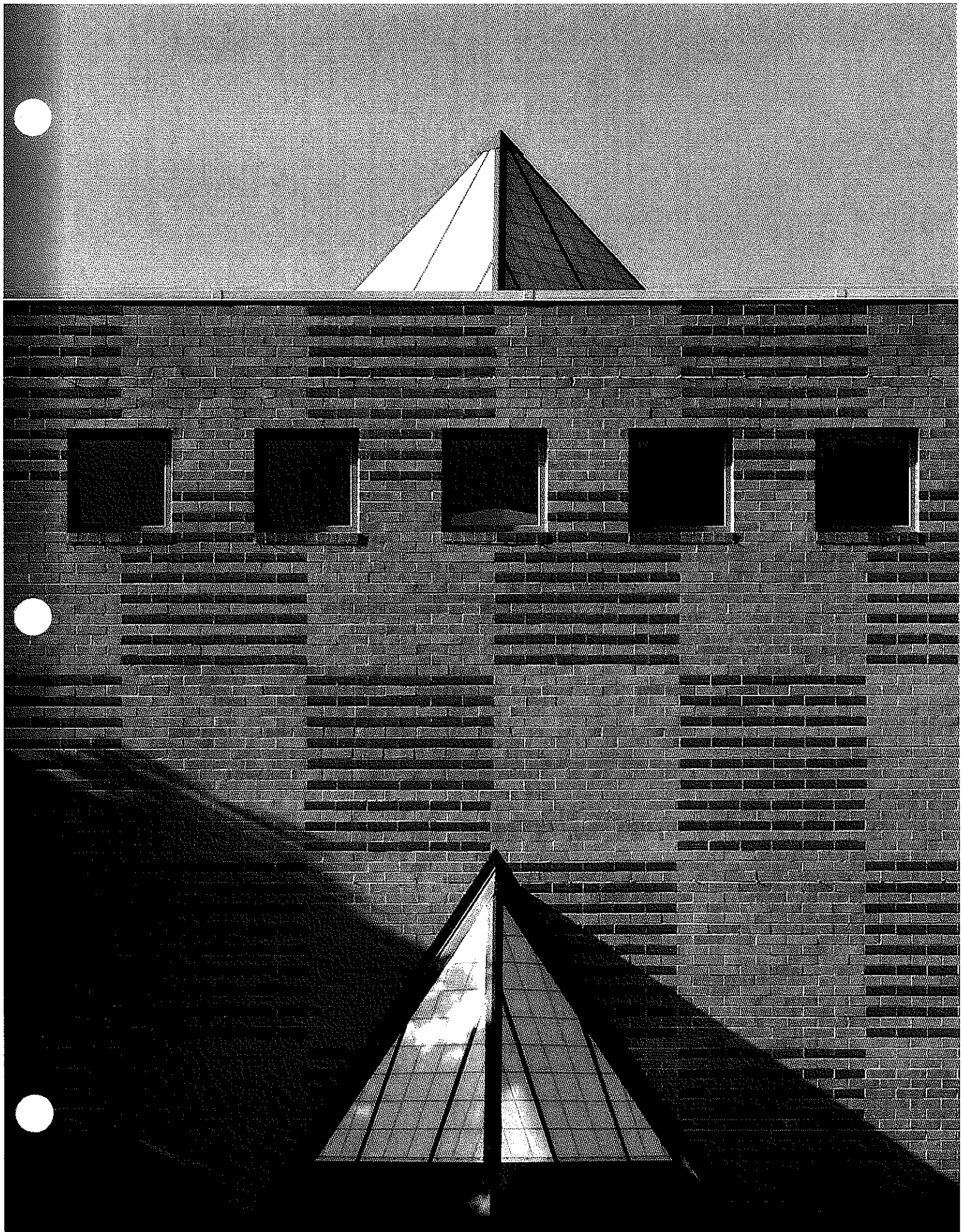
Sited on a fragment of a city block, this 64,000 square foot public school serves Chicago's gritty, Back-of-the-Yards neighborhood. The three-story, single loaded plan, diverts the gaze from the unpleasant alley and maximizes play space. With classrooms facing the front yard, the site is easily supervised.

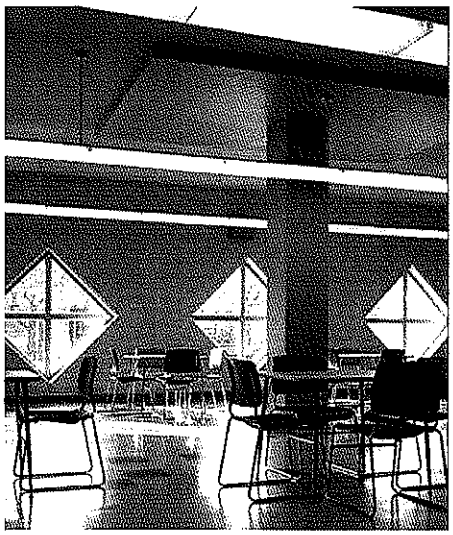
The gymnasium, cafeteria, multi-purpose room, and library are housed in two-story pavilions connected to the classroom block. Exuberant colors, textures, and forms reinforce the societal importance of the structure and convey excitement about education. The pyramid's lighted apex is a beacon for the community.

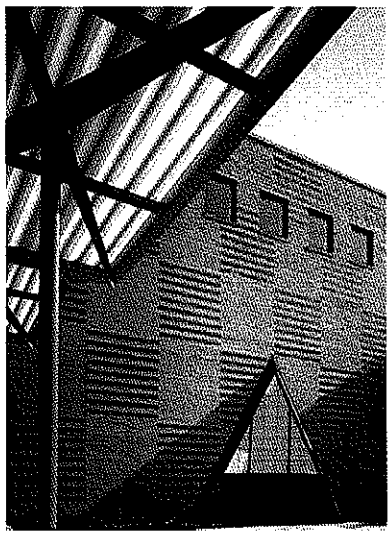
The usual palette of concrete block and acoustical tile was expanded to include other inexpensive, durable materials. Particleboard is used as paneling in the lobby and corridors. Exposed concrete ceilings are painted sky blue. Vinyl tiles are laid like confetti, marking the entrances to classrooms. Accent colors change from bright and bold for the primary grades to sedate and serious for the upper grades. In all classrooms the basic scheme is natural wood and white walls becoming a personal canvas for students and teachers.

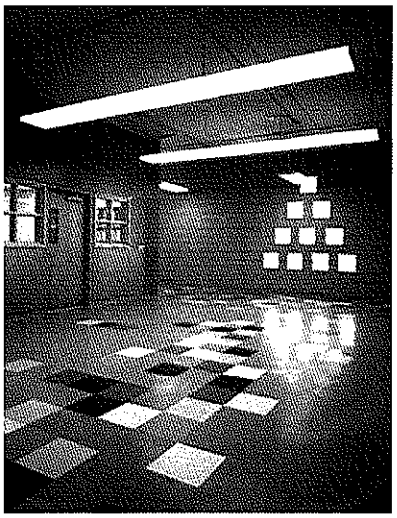


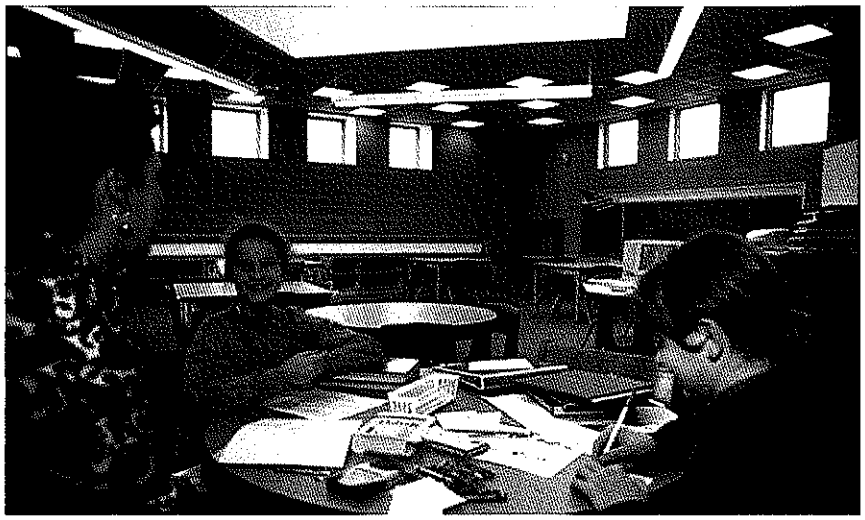


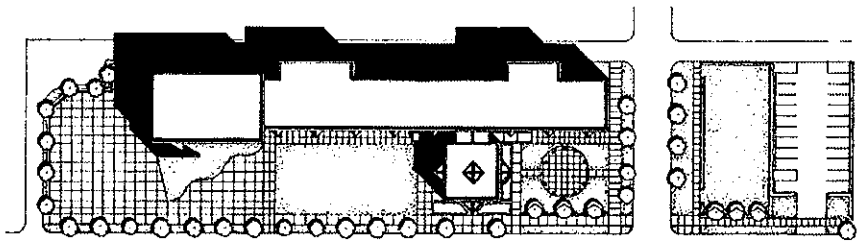




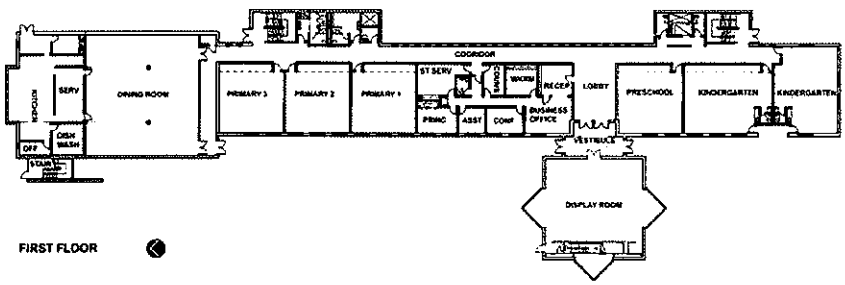




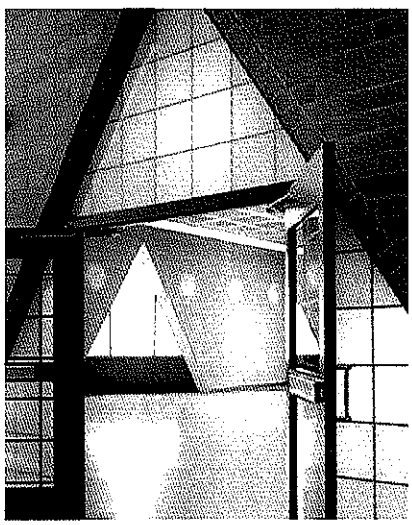


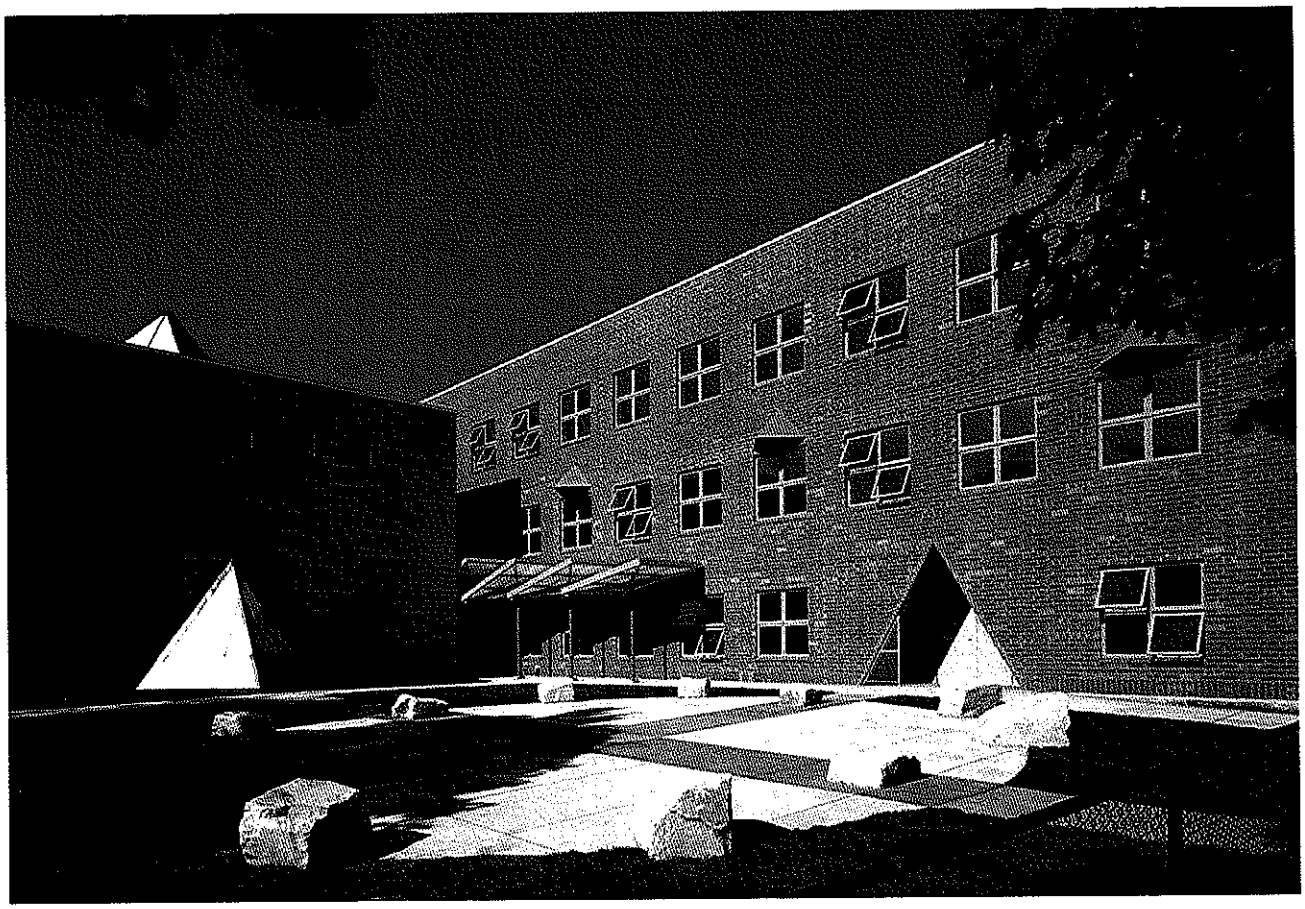


SITE PLAN



FIRST FLOOR



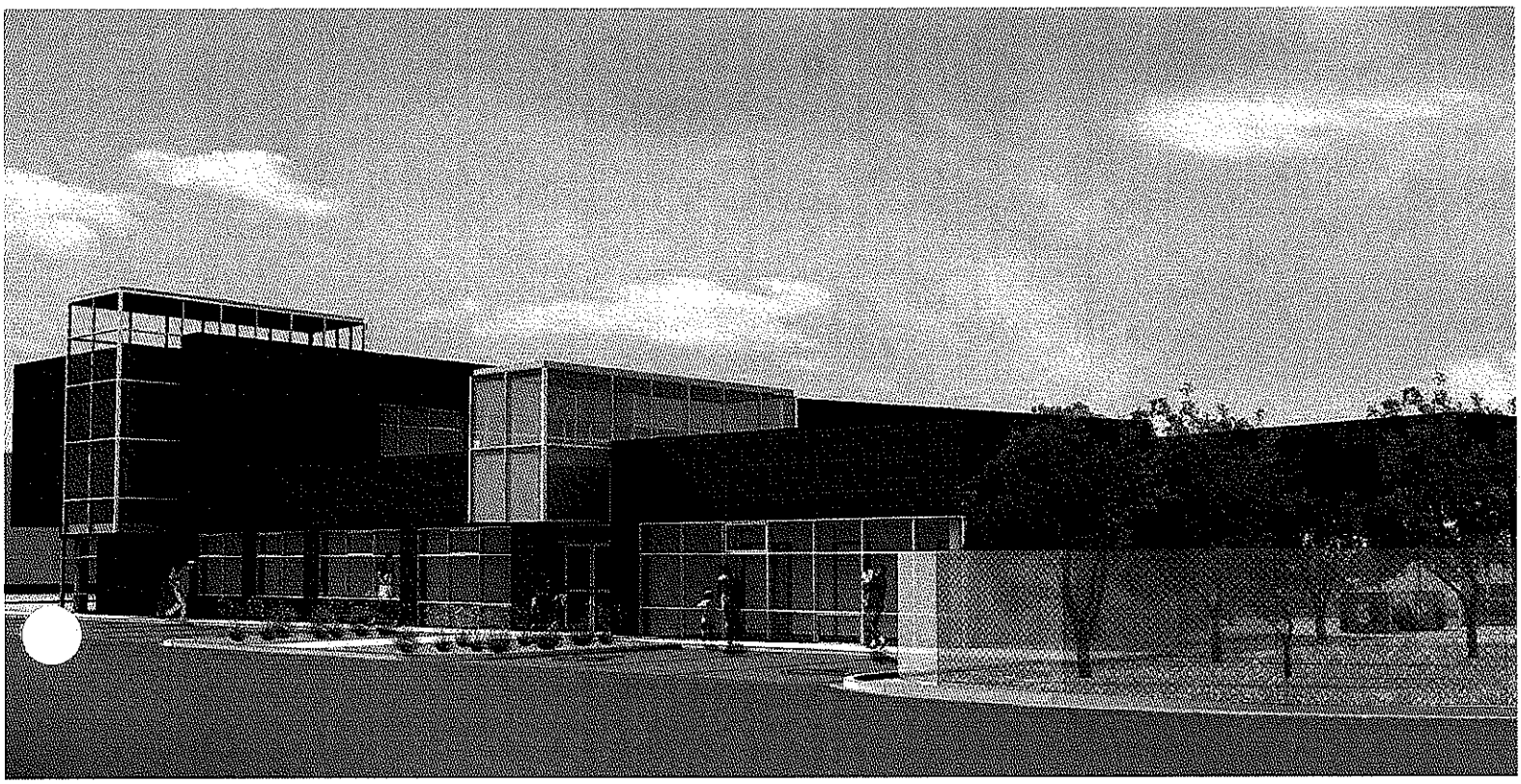


1997 Brick in Architecture Award, Brick Institute of America, American Institute of Architects. 1996 Award of Distinction, Illinois Association of School Boards. 1996 Distinguished Building Award, American Institute of Architects Chicago. 1994 Merit Award, Chicago Building Congress. 1994 Interior Architecture Award, American Institute of Architects Chicago. 1994 Institute Honor Award, American Institute of Architects. 1993 Silver Medal, Illinois Indiana Masonry Council. Sara O. Marberry and Laurie Zagon, "The Power of Color-Creating Healthy Interior Spaces.", John Wiley & Sons, 1995. Maureen Eaton, "Urban school becomes beacon for a blighted community.", *Building Design and Construction* Magazine, December, 1994. Roger Morton, "Chicago Grows a Flower in the City", *School and College* Magazine, February 1994. Blair Kamin, "Where learning's fun-by design-Back of the Yards school is a neighborhood beacon", *Chicago Tribune,* February 6, 1994. Charles Linn, "Beacon of Learning", *Architectural Record* Magazine, August 1993. Peter Mijer, "Street Smarts", *Inland Architect* Magazine, July/August 1993.

Cost $5,200,000
Program 64,000 square foot
Status 1993

Reference
Sandy Trabak, Principal
Cesar Chavez Multicultural Academic Center
4747 S. Marshfield Ave. Chicago, IL 60609
P. 773-535-4600
F. 773-535-4603

_ project



Washington University Early Childhood Learning Center

The new Washington University Early Childhood Learning Center expands the university's current childcare program with a new 20,100 square foot facility. The new center will be operated by Bright Horizons, and will serve 156 children ages six weeks to six years. While the main campus is known for its gothic-revival structures, the North Campus will embrace contemporary architecture. As the first new building on the North Campus, The Early Childhood Learning Center is leading this effort.

The University requested a sophisticated, masonry design incorporating playful elements that children would relate to. The approved design features clean volumes of dark brick, interrupted by vast glazed openings and monumental colored glass towers.

The fractured H shape of the building creates bright and airy spaces, with an abundant amount of daylight and views to the outdoors. The full-height windows used throughout the center allow for outdoor views for the children as well as the adults.

In order to conserve space for future growth of the North Campus, the building efficiently accommodates the administration, specialty rooms, kitchen, and infant, toddler, and transition classrooms on the first floor. The four preschool classrooms are located on the second floor. The first floor is designed so that the classrooms have direct access to the age appropriate playgrounds, with a courtyard playground for the infants and toddlers in the center of the building.

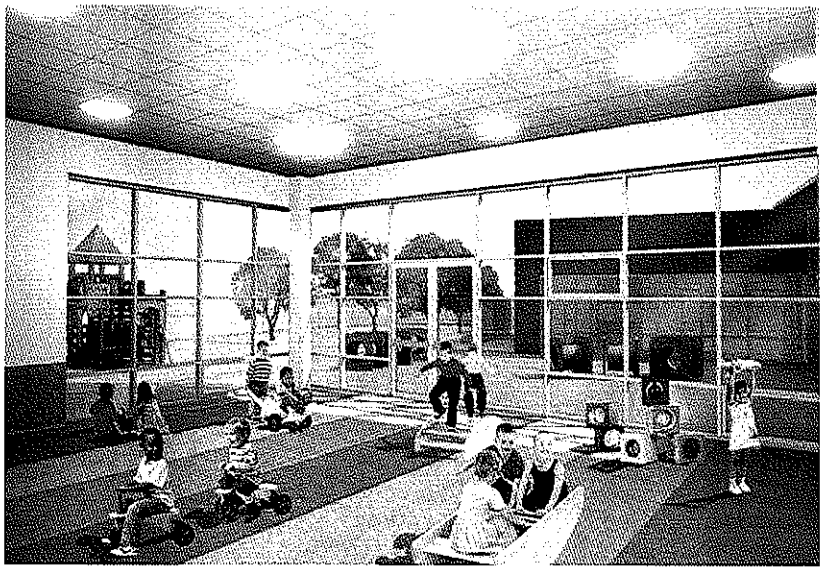
SUSTAINABLE DESIGN
Projected to achieve a LEED Gold certification level, the center integrates many sustainable design strategies. Using a VRF (Variable Refrigerant Flow) HVAC system, energy efficient equipment and lighting, lighting controls, and a thermally efficient building envelope, the building is designed to save 30% in energy costs over a comparable building. Classrooms feature abundant daylight and views. Both regional and rapidly renewable materials are used extensively.

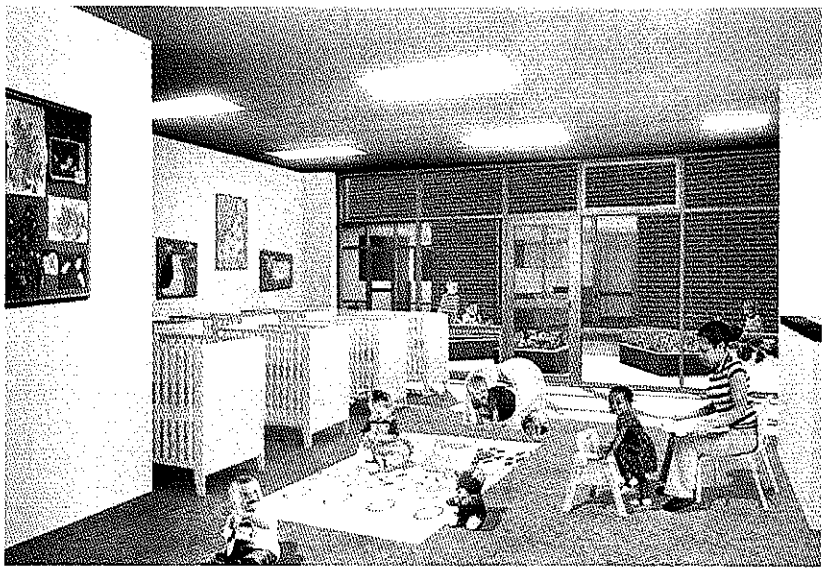
The site-design strategies are focused around the children and sustainability. The landscaping - including the playground landscaping- requires no irrigation, using only native and adapted planting. Bio-swales, a micro-detention basin, permeable concrete sidewalks, and permeable pavers address the extreme storm-water control challenges that are unique to St. Louis.

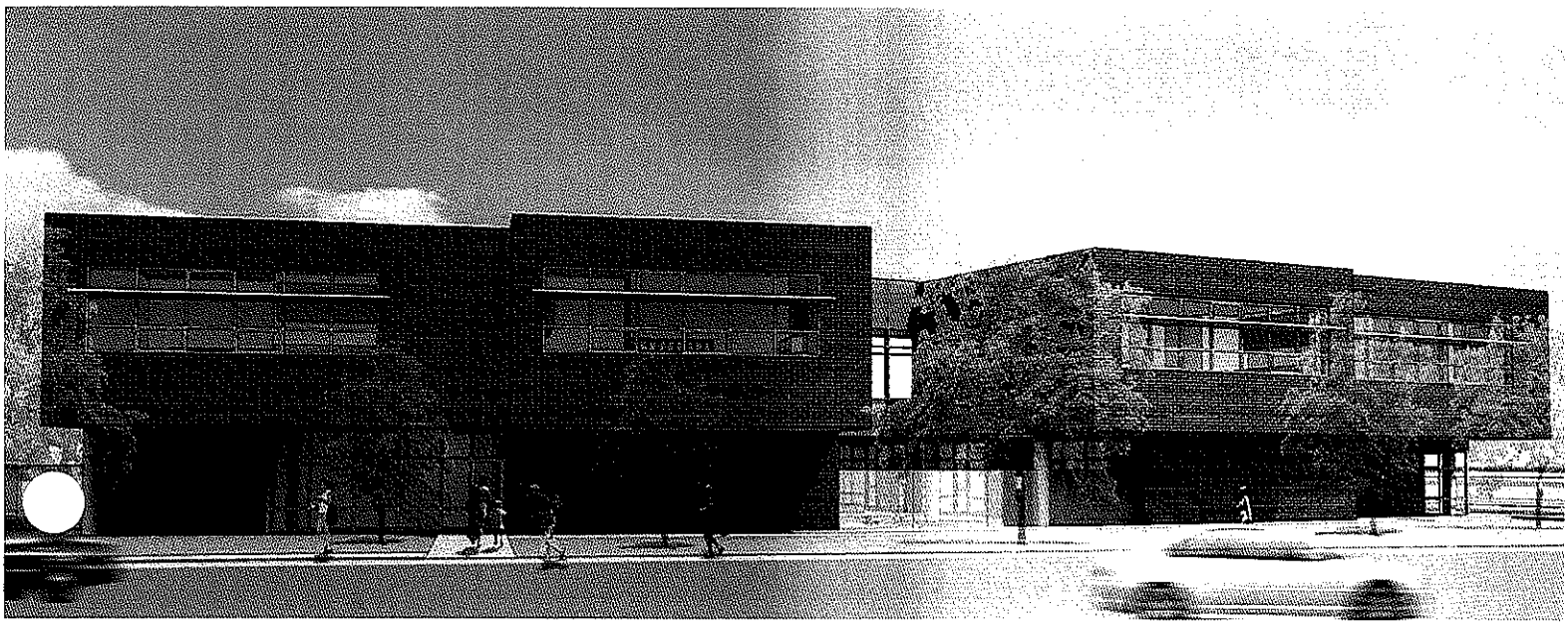
The North Campus is adjacent to a vibrant major development corridor with abundant neighborhood amenities. The North campus is served by a Metro-Link station, and many bus lines.

Reference
Hank Webber
Executive VP and Chancellor
Washington University
Campus Box 1018
St. Louis, MO 63130
p. 314-935-7877
e. hwebber@wustl.edu

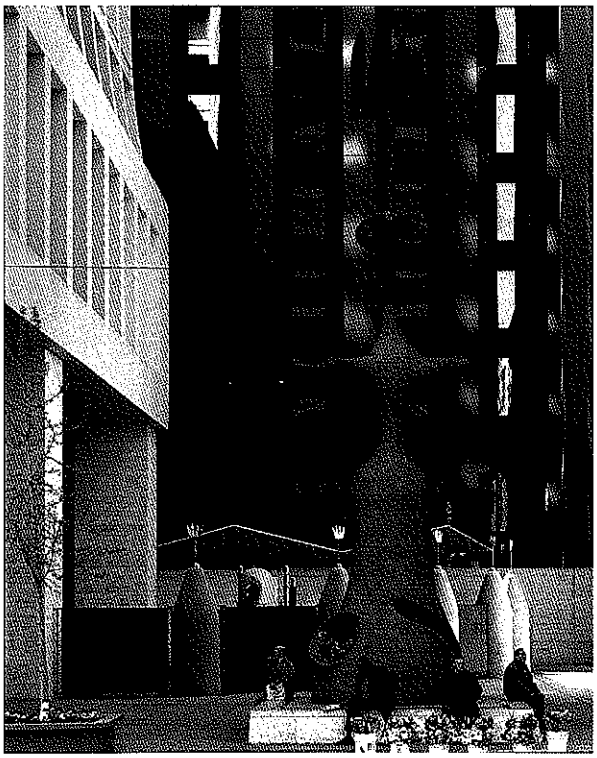
Cost $4,100,000
Program 20,100 square foot
Status Construction 2010







Early Childhood Learning Center – Washington University – St. Louis, Missouri



SILLINGASSOCIATES architects
ross barney architects

Client References

Silling Associates Architects:
Mr. Steve Canterbury
Administrative Director for the West Virginia Supreme Court
State Capitol Complex
Building 1, Room E-100
Charleston, WV 25305-0830
p. 304.558.0145

Mr. Lee Walker, Church Administrator
Bible Center Church
1111 Oakhurst Drive
Charleston, WV 25314
p. 304.346.0431

Ross Barney Architects:

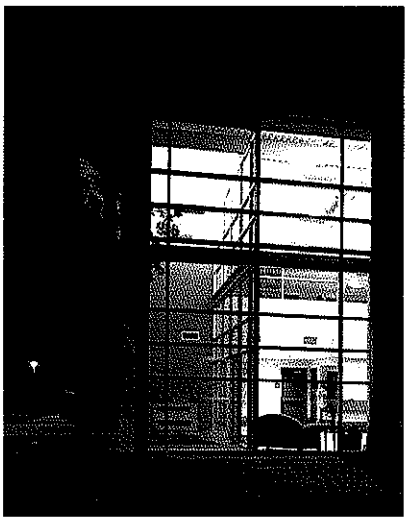
Paula Wolff, Former President
Governor's State University
Re: Family Development Center and Charter School
Chicago Metropolis 2020
30 W. Monroe Street, Ste. 1800e
Chicago, IL 60603
p. 312-332-8185

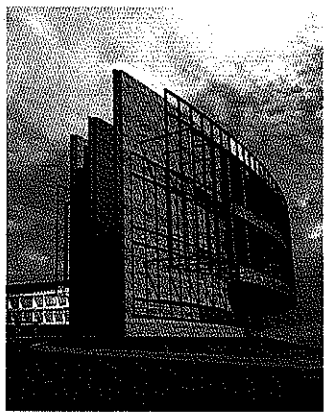
Nancy Ronquillo, President and CEO
Children's Home and Aid Society of Illinois
Re: Mitzi Freidheim Englewood Child and Family Center
125 S. Wacker Drive
Chicago, Illinois 60606
p. 312-424-6801

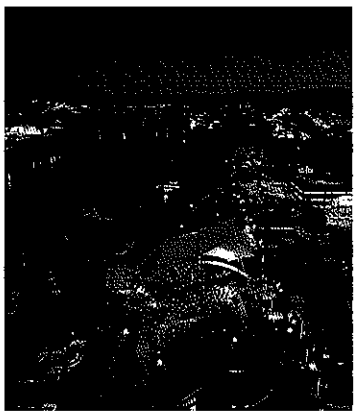
Gail Nelson, Executive Director
Carole Robertson Center for Learning
Re: Jubilee Family Resource Center
2020 W. Roosevelt Road
Chicago, IL 60608

Hank Webber, Executive VP and Chancellor
Washington University
Re: Washington University Early Childhood Learning Center
Campus Box 1018
St. Louis, MO 63130
p. 314-935-7877

Timothy Thury, Project Manager
General Services Administration
Re: Oklahoma City Federal Building
819 Taylor Street
Fort Worth, TX 76102
p.817.978.4315







About Our Firm

Architectural success is measured by vision and an unwavering dedication to excellence. This axiom was the philosophical birth of Silling Associates Incorporated by H. Rus Warne in 1902. Following the lead of partners like Warne and its namesake, Cy Silling, the firm today has the proud distinction of being the oldest continuing architectural firm in West Virginia and one of the oldest in the eastern United States. Throughout, Silling Associates has woven itself into the very fabric of West Virginia, providing planning and architectural services that have touched the lives of virtually every citizen and delivering landmark projects collectively defining its built environment.

Whether through its early century beaux arts and neo-classical collection, its mid-century modern and post-modern portfolio, or its current contextual vocabulary, Silling has always been renowned as one of the premier architectural firms in the state. Today, Silling Associates continues to have a powerful impact on the region's architectural landscape through fresh, yet solid design and responsible project management.

Organizational Structure

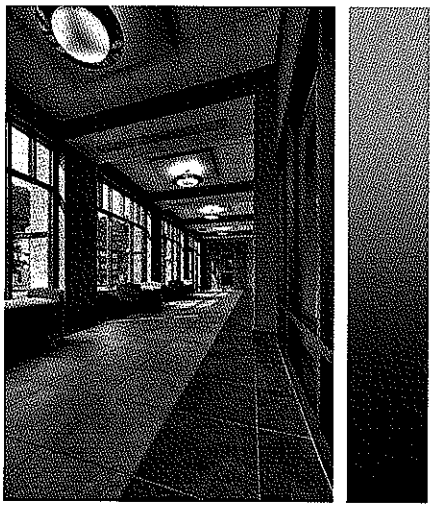
Silling Associates is a principal-led design practice, and the organizational structure of our firm is very much studio-oriented. The principals of our practice are actively engaged in all projects and routinely serve as daily project managers for all major design commissions. This structure ensures that first-hand project criteria, relayed directly from clients in programming and design review meetings, is directly applied to all work within the office; from conceptual design through construction detailing, specification writing, and construction observations services. Likewise, through this studio environment structure, all the talents and perspectives of the entire design and production staff at Silling are brought to each design task, allowing our firm to build multiple-person teams within the office to focus on a variety of projects simultaneously. Likewise, open sharing of project information, project status, and large picture scheduling of our workload allow architects, designers, and technicians to be informed on a number of current project needs and deadlines and cross-pollinate from job to job and task to task. This highly interactive and collaborative structure yield compelling design solutions, maintains client expectations throughout the process, and most importantly ensures quality through principal leadership.

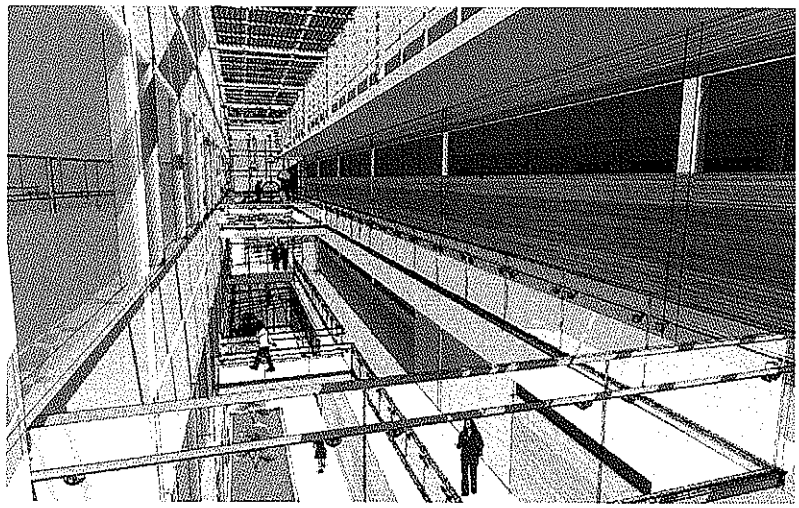
However, it is primarily a culture of service that permeates everything that Silling does and leads to very satisfied clients. Aggressive communication is an axiom of our firm, and the heart-felt desire to be highly responsive to client needs and demands has proven to be one of the many reasons that owners select Silling Associates. This is most obvious in the number and references of our many repeat clients across the state.

Awards & Recognition

Consistent leadership, creative vision and service has always been a distinguishing characteristic of Silling Associates. Since our founding in 1902, the firm has consistently been recognized by leading industry organizations, publications, and professional groups.

Recent awards through the WV Chapter of American Institute of Architects include a **2004 Honor Award for Excellence in Architecture -** Star USA Federal Credit Union, **2006 Merit Award for Achievement in Architecture -** James C. Wilson Union, **2008 Honor Award for Excellence in Architecture -** Chesapeake Energy Eastern Regional Headquarters, and **2009 Merit Award for Achievement in Architecture** - Bible Center Church.





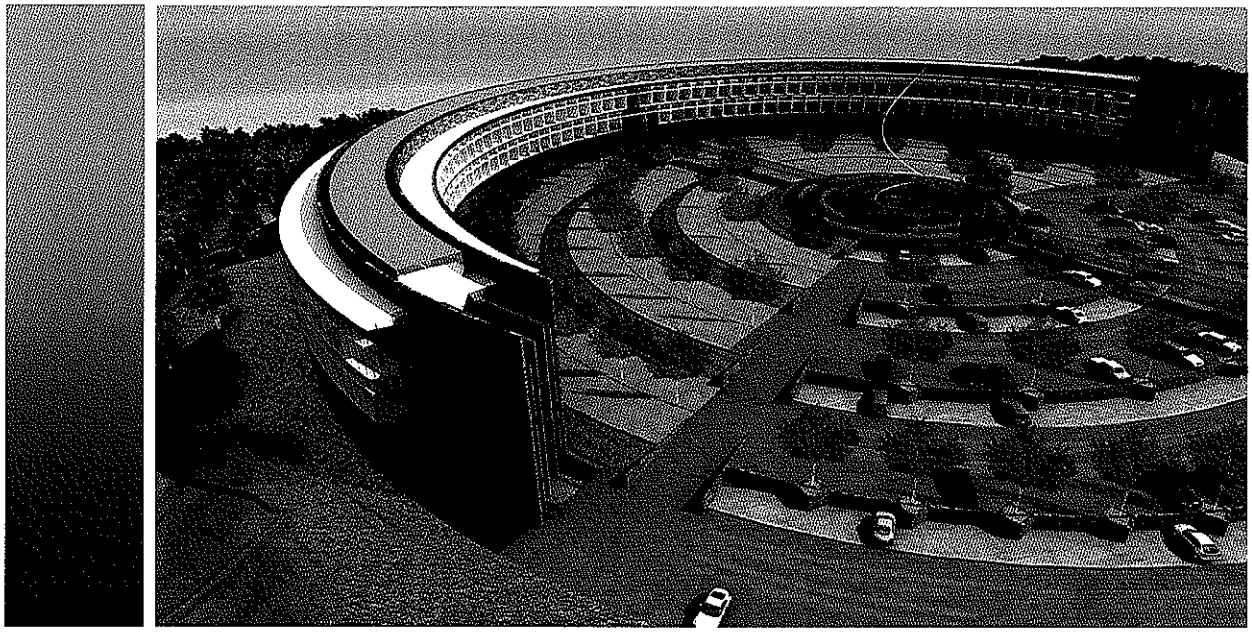
Professional Services

Today's dynamic marketplace demands versatility of the design professional. Silling Associates is structured to meet the needs of design/build, construction management, and the traditional design/bid/build delivery methods. Technology has driven the demand for increased design specialization. Collaboration and consensus are principles that are critical to the success of a project. Our staff has a track record of successful projects created both independent of, and in concert with, the most talented professionals within a given building type and engineering discipline. We are committed to delivering quality through understanding the nature of the project and composing the appropriate talents to achieve design excellence. At Silling we offer the following list of comprehensive architectural, planning, and interiors services:

- Feasibility Studies
- Master Planning
- Space Planning
- Architectural Programming
- Concept & Design Development
- Interior Design
- Furniture & Accessories Design
- Furniture & Accessories Specification
- LEED & Sustainable Design
- Construction Period Management
- Flexible Project Delivery

In addition, Silling routinely utilizes the services of some of the region's most qualified and talented engineering consultants, offering a proven history of project collaboration, seamless design integration, and excellent service to our clients.

As you review our firm's credentials and experiences, we feel that you will see a very strong team of designers, led by firm principals, and a company that has a legacy in West Virginia. You will see that our team has an incredibly broad range of experiences and has earned a reputation as problem solvers with a unique combination of research skills and creative thinking required to develop something meaningful yet cost effective.



Diversity of Experience

For over 100 years, Silling has been designing literally every building type imaginable, including elementary schools and colleges, civic centers and churches, banks and prisons, parking garages and helicopter hangers, and everything in between. While we have a great firm legacy, we have strategically assembled a diverse and tightly-knit team of young designers and technicians. We couple their enthusiasm and vision with the wisdom and experience of senior partners to produce a solid architecture, technically sound and artistically compelling. At Silling, we are very proud of our diversity of design experience and our ability to create architecture that intimately speaks to our clients' missions, programs, budgets, schedules, sites, and their place in time.

Architecture for Justice
Courthouses
Judicial Centers
Governmental Administration
Correctional Institutions
Public Safety Centers

Architecture for Learning
Colleges & Universities
Community & Technical Colleges
Secondary Education

Architecture for Working
Corporate & Office
Governmental
Banking & Financial
Retail & Hospitality

Architecture for Health & Wellness
Hospitals & Medical Centers
Medical Office Buildings

Architecture for Living
Custom Residences
Loft Housing & Urban Living
Condominiums

Architecture for Worship
Worship Centers
Educational Centers

Architecture for Recreation
Hotels & Resorts
Riverfront Development
Athletic Recreation

Jody S. Driggs, AIA

Principal

"Architecture is the one art form that requires the artist to love people—music, art, sculpture can exist for its own sake—but architecture is a service. Our practice is rooted in the notion of truly pleasing the people that we work for—it's about the posture of the heart."

Notable Project Experience

James C. Wilson Union
West Virginia State University

Bible Center Church
Charleston, WV

Chesapeake Energy Eastern
Regional Headquarters
Charleston, WV

WV Lottery Headquarters
Charleston, WV

Mardi Gras Casino Resort Hotel
Cross Lanes, WV

Mardi Gras Casino Resort Convention
& Conference Center
Cross Lanes, WV

St. Timothy Lutheran Church
Charleston, WV

WVU Tech Student Union
WVU Institute of Technology

Industrial Home for Youth
Salem, WV

St. Marys Correctional Center
St. Marys, WV

Kanawha Valley Heart Specialists
Medical Office Center
South Charleston, WV

Huntington Pediatric Dentistry
Huntington, WV

Downtown Media Center
West Virginia State University

Fleming Hall Athletic, Convocation,
& Academic Center
West Virginia State University

Campus Master Plan
West Virginia State University

Haddad Riverfront Park Stage,
Amphitheatre, & Canopy

Professional Bio

As a principal with Silling Associates with fourteen years' experience in the design practice, Jody has been a major force in the firm's creative direction. His energy, focus and talent for conceptualizing complex projects have contributed largely to the firm's reputation for design excellence. As a principal architect and designer, he is responsible for working closely with the owner to establish clear programmatic needs and design criteria, as well as to develop responsive schematic site plans, floor plans and elevations that blend the meaning and spirit of the owner's program with site and cultural forces.

His conceptual design talents, artistic ability, and versatility have been illustrated in such projects as the award-winning James C. Wilson Student Union, Bible Center Church, and Chesapeake Energy's Eastern Regional Headquarters, as well as the Mardi Gras Casino Resort Hotel and West Virginia Lottery Headquarters.

Prior to joining Silling, Jody worked in the Urban Design Consultancy Studio in Chattanooga, Tennessee, under AIA Thomas Jefferson Award Winner J. Stroud Watson. Jody is a 1996 graduate of the University of Tennessee College of Architecture and Planning, a member of the American Institute of Architects (AIA), a member of the West Virginia AIA Scholarship Committee, and 2010-2011 president for the West Virginia AIA.

Education

Bachelor of Architecture, The University of Tennessee 1996

Licenses & Certifications

WV, KY, OH, MD, PA, VA

Professional Affiliations

Past Vice-President, WV Chapter, American Institute of Architects, 2008-2009
President, WV Chapter, American Institute of Architects, 2010-2011

Awards & Recognition

-2005 AIA WV Merit Award for Achievement in Architecture,
James C. Wilson Student Union
-2006 The State Journal "40 Under 40" Award Winner
-2007 West Virginia Executive "Young Gun" Award-Winner
-2009 AIA WV Honor Award for Excellence in Architecture,
Chesapeake Energy Eastern Regional Headquarters
-2010 AIA WV Merit Award for Achievement in Architecture,
Bible Center Church

Edward Weber, AIA, LEED AP
Senior Associate

Professional Bio

Ed has over twenty years' experience as a practicing architect with significant work in all phases of architectural programming, schematic design, design production and construction contract administration. After graduating from Notre Dame in 1992, Ed joined the Chicago office of Richard Gibbons and Associates. There he managed high-end custom residential projects of renovation and new construction work with construction budgets between $500,000 and $20,000,000. In 1999, Ed was offered partnership and the firm of Gibbons, Fortman & Weber was created in January of 2000. Under GFW, the office work expanded and projects became more diverse with commissions for hospitality design of restaurants and lounges, as well as residential and commercial developments throughout the city. Having joined Silling Associates in 2006, Ed brings his extensive project management experience and design talent to the firm's major commissions. His involvement is specifically appropriate in those projects pertaining to campuses and master plans, urban settings, historic contexts, and residential scale.

With Professional Accreditation by the U.S. Green Building Council (USGBC) in coordination with the Green Building Certification Institution (GBCI), Ed holds the title of LEED AP for New Construction and Major Renovations. As a LEED AP (Leadership in Energy and Environmental Design), Ed has distinguished himself as having the knowledge and skills necessary to participate in the design process, to support and encourage integrated design, and to streamline a building's LEED application and certification process. Ed was most recently elected to the Board of Directors for the West Virginia Chapter of the USGBC.

Education

Bachelor of Architecture
University of Illinois, Chicago 1986

Master of Architecture and Urban Design
University of Notre Dame 1992

Licenses & Certifications

WV & IL
LEED Accredited Professional

Professional Affiliations

Self-Certified Architect, City of Chicago, DCAP; Registered Energy Professional, City of Chicago, DCAP; Former Board of Directors, Habitat for Humanity, Windy City Affiliate Former Construction Committee Chair, Habitat for Humanity, Windy City Affiliate; Board of Directors, WV Chapter of the United States Green Building Council

Awards & Recognition

2010 AIA WV Honor Award for Excellence in Architecture
Chesapeake Energy Eastern Regional Headquarters

Notable Project Experience

Charleston House Holiday Inn for Plaza Management Charleston, WV

Chesapeake Energy Eastern Regional Headquarters Charleston, WV

Chesapeake Energy Regional Field Offices WV, KY, PA, NY

Haddad Riverfront Park Stage, Amphitheatre, & Canopy Charleston, WV

WV Supreme Court of Appeals East Wing of the State Capitol Complex

Moses Residence Barboursville, WV

McJunkin Residences Charleston, WV

4100 Kanawha Avenue Residence Charleston, WV

Pray Residence Charleston, WV

Weintraub Residence Charleston, WV

Charleston Mixed-Use Development Study, CADCO Charleston, WV

St. Matthews Episcopal Church Charleston, WV

Sidetrack Rooftop Bar Chicago, IL

Substation North Lofts Chicago, IL

Gold Coast Residence Chicago, IL

Sean Simon, AIA

Construction Period Service Manager

Professional Bio

Sean has sixteen years' experience involving all phases of architectural programming, design, construction document production, and construction contract administration. From 1998 through 2007, he operated his own architectural practice providing comprehensive design and project management services for a variety of project types including banking, commercial, government, education, health care, religious, and residential.

Sean joined Silling in 2008 as a Construction Period Service Manager, working closely with the firm's production staff throughout the construction document phase and providing construction contract administration services. He is responsible for facilitating pre-construction meetings providing clear definition of project goals and owner expectations, reviewing contractor submittals, product samples, and shop drawings for conformance to the contract drawings and specifications, attending progress meetings to maintain clear communication with builders, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

Sean earned a Bachelor of Architecture from the University of Tennessee in 1992 and is a member of the West Virginia Chapter of the American Institute of Architects.

Education

Bachelor of Architecture
The University of Tennessee, 1992

Licenses & Certifications

WV, MD, OH, VA, PA

Professional Affiliations

American Institute of Architects, West Virginia Chapter (AIAWV)

Civic Involvement

Cub Scoutmaster for Pack 434—Serves as Unit Commissioner for Little Kanawha District, Allohak Council; Little Kanawha District Roundtable

Notable Project Experience

Morgan County Courthouse
Berkeley Springs, WV

Raleigh County Judicial Center
Beckley, WV

Hampshire County WPA Annex
Romney, WV

Hampshire County Sheriff's Building
Romney, WV

Mardi Gras Casino Resort Hotel
Cross Lanes, WV

Anthony Correctional Center
White Sulphur Springs, WV

Huttonsville Correctional Work Camp
Huttonsville, WV

Martinsburg Correctional Center
Martinsburg, WV

Putnam County Courthouse
Winfield, WV

Hamblin Hall Boiler Replacement
West Virginia State University

Ferrell Hall Chiller Replacement
West Virginia State University

Sullivan Hall Elevator Replacement
West Virginia State University

Wyoming County Courthouse Annex
Pineville, WV

WV State Police Barracks and Dept. of Motor Vehicles
Beckley, West Virginia

Summit Financial Headquarters
Moorefield, West Virginia

Mountain Medical Urgent Care
Moorefield, West Virginia

Baker/Mathais Fire Department
Baker, West Virginia

Carmen Wong, Associate AIA, LEED AP

Designer

Professional Bio

Carmen Wong, is a graduate architect who graduated first in her class from the Ricardo Palma University in Lima, Peru. In May of 2007, Wong received her Masters of Architecture from the University of Illinois at Urbana-Champaign.

Her educational honors include being selected to participate in the honored Design Studio directed by Dr. Ken Yeang, an internationally renowned Malaysian-British architect specializing in sustainable green architecture, bio-climatic skyscrapers, and ecologically-responsive design; the Earl Prize in Design and Graduate Student Design Award; and the Coriwasi Award given to the top student in the 5-year undergraduate program.

In addition to her dynamic design talents and LEED-accredited credentials, Wong utilizes a variety of three-dimensional computer modeling programs and rendering techniques, providing Silling's clients the ability to "see" and better visualize their proposed building throughout the entire design process.

Education

Bachelor of Architecture
Ricardo Palma University (Lima, Peru) 2001

Master of Architecture
University of Illinois Urbana-Champagne (GPA 3.92/4.00) 2007

Professional Affiliations

American Institute of Architects – West Virginia Chapter (AIAWV)

Awards & Recognition

- Coriwasi Award, Top Student in 5 Year Program – Ricardo Palma University (2001)
- Earl Prize in Design & Graduate Student Design Award (2005) – University of Illinois Urbana-Champagne

Notable Project Experience

West Virginia Lottery Headquarters
Charleston, WV

Chesapeake Energy Eastern Regional Headquarters
Charleston, WV

Haddad Riverfront Park Stage, Amphitheatre, & Canopy
Charleston, WV

WV Supreme Court of Appeals
East Wing of the State Capitol Complex

Mardi Gras Casino Resort Hotel
Cross Lanes, WV

Mardi Gras Casino Resort Convention & Conference Center
Cross Lanes, WV

Charleston Civic Center Expansion & Modernization Study
Charleston, WV

West Virginia State University Downtown Media Center
Charleston, WV

Huntington Pediatric Dentistry
Huntington, WV

Kanawha Valley Heart Specialists
South Charleston, WV

Raleigh County Judicial Center
Beckley, WV

Jefferson County Judicial Center
Charles Town, WV

Morgan County Courthouse
Berkeley Springs, WV

Hampshire County Judicial Center
Romney, WV

Bible Center Church
Charleston, WV

City Center West Office Tower Study
Charleston, WV

Kim Ellis, Associate AIA
Interior Designer

Professional Bio

Kim Ellis joined Silling Associates in 2008 and brings a diverse experience within both the architectural and interior design industries. Upon completing her Interior Design Internship at the award-winning Dorothy Draper and Company in New York, Kim has enjoyed twelve years working within the architectural community.

She has provided extensive interior design, architectural production and coordination, construction administration, and architectural team training services. In addition, Kim's previous professional experience includes code research for various restaurant, retail, petroleum, educational, and business projects in many jurisdictions across the United States, as well as local building, electrical, plumbing, mechanical, fire, and ADA accessibility guidelines.

Education

Bachelor of Interior Design
Minor: Fine Arts, Carney Varney Department of Art and Design
University of Charleston, 1997

Previous Experience

Dorothy Draper and Company—New York NY (1996)
Interior Design Intern

Shremshock Architects—Columbus, OH (1997-1999)
Interior Designer

WD Partners—Columbus, OH (1999-2004)
Architectural Project Leader and Team Trainer

ZMM, Inc.—Charleston, WV (2004-2008)
Interior Designer/Architectural Technician

Professional Affiliations

American Institute of Architects - WV Chapter (AIAWV)

Civic Affiliations

Vice-President, Fort Hill Child Development Center Parent Advisory Council; Member-Holtz Elementary School PTO; Parent Volunteer-Holz Elementary School Yearbook; Volunteer-Chandler Elementary School Reading Tutor Program

Notable Project Experience:

Allegany County District Court
Cumberland, MD

Morgan County Courthouse
Berkeley Springs, WV

Raleigh County Courthouse
Beckley, WV

Moses Residence
Barboursville, WV

WV Supreme Court of Appeals
Charleston, WV

Tri-State Casino and Hotel
Cross Lanes, WV

Hacker Valley Pre-K – 8 School
Webster County, WV

New River Elementary
Fayette County, WV

Mountaineer Middle School
Harrison County, WV

Southside Elementary
Cabell County, WV

Huntington Middle School
Cabell County, WV

The Boulevard at 2412
Charleston, WV

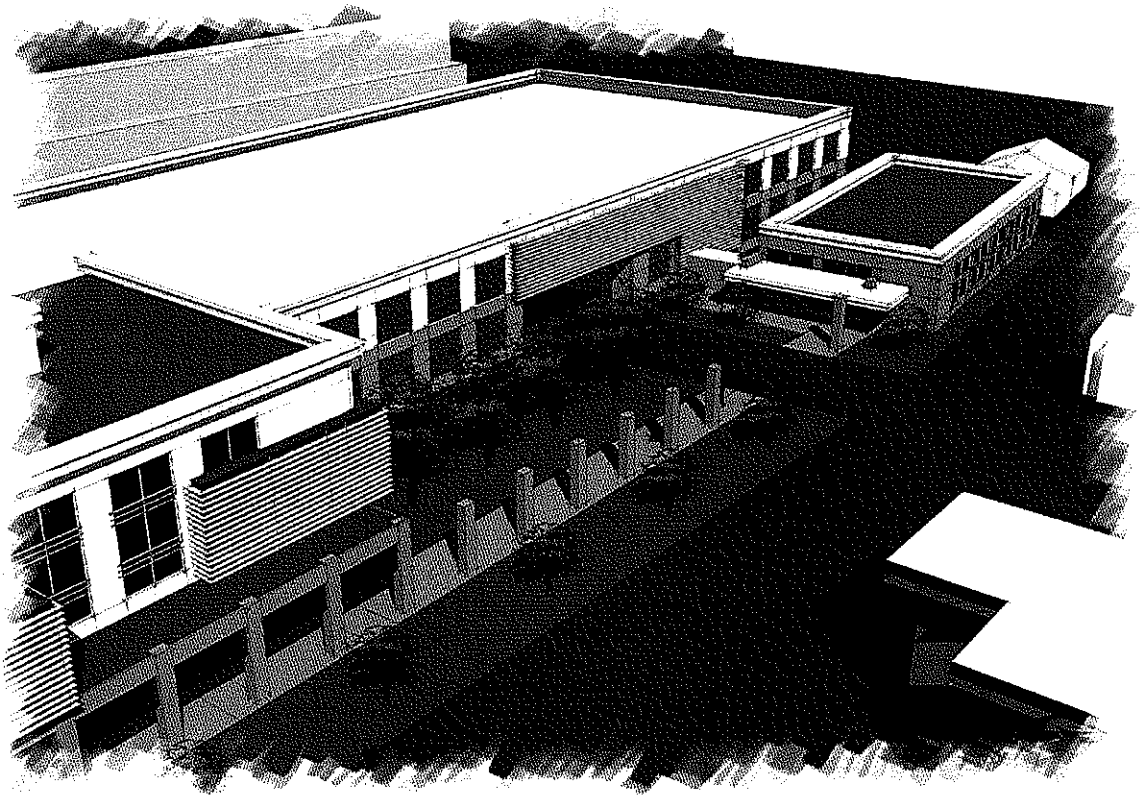
Bob Evans Restaurants
National Locations

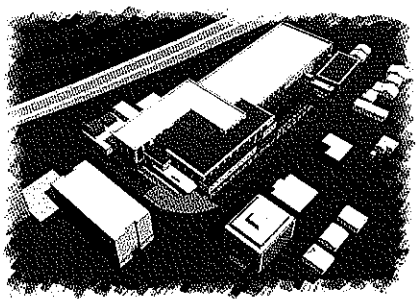
Perkins Restaurants
National Locations

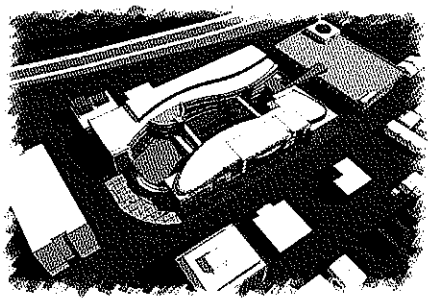
The Home Depot
National Locations

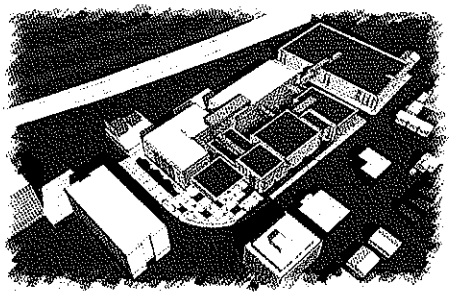
BP Oil
National Locations

Exxon Mobil
National Locations









Project Size: 350,000 gsf

Project Type: New Construction

Project Status: Study Completed in 2009

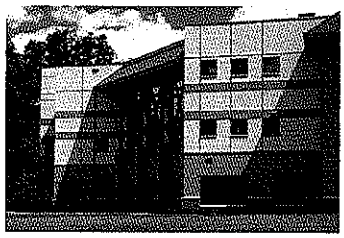
Contact: John Myers, Assistant Director, WV Lottery, 304.558.0500

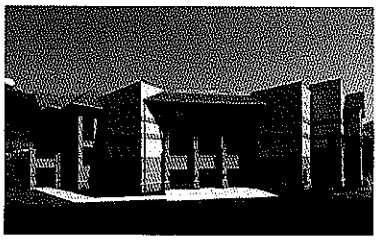
WV Revenue Center & Daycare Center Study

WV State Capitol Complex

Under contract to develop plans for the WV Lottery Headquarters, Silling Associates developed multiple massing and phasing studies for a comprehensive Revenue Center to house, in addition to the Lottery, the WV Tax, WV Insurance, and other related state agencies. As an integral component to this project, Silling was commissioned to address the relocation needs of the Capitol Daycare Center located on Washington Avenue. Site aerial vignettes above illustrate various site massing options, including a study that incorporated the Daycare Center into the overall property development.

2010 AIA WV Merit Award for Achievement in Architecture





Project Size: 60,000 gsf

Project Type: New Construction

Project Status: Completed in 2008

Contact: Lee Walker, Bible Center Church, p 304.346.0431

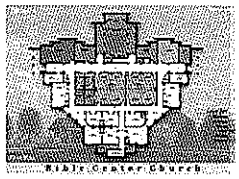
Bible Center Church

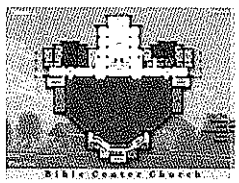
Charleston, West Virginia

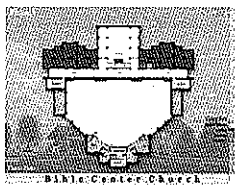
Come. Live. Grow. This simple statement, etched in stone at the entrance of the new Southridge Campus, illustrates the personal, relational nature of the ministries of Bible Center Church. When Bible Center outgrew its existing campus, a 96 acre parcel was purchased for the multi-phased relocation of the worship services, administration, daycare, preschool, and private elementary school functions. Having selected such a picturesque, natural setting, the primary concept of the church leadership and design team was to develop a campus intimately connected to nature and reflective of the culture of West Virginia. A design solution was sought that could foster a welcoming spirit where people feel drawn, comfortable, and open to the message and ministries of the church while developing strong personal connections through fellowship.

Phase 1 of the campus master plan includes a 1,200 seat interim worship space conducive to a range of worship styles and settings. Flexibility drove the functional characteristics of the room, which will ultimately serve as a multipurpose fellowship hall for dramatic presentations, receptions, conferences, and dinners after the Phase 3 Sanctuary is constructed. The design of the interim worship space centers on a richly detailed wood stage and stone veneer baptistery flanked by large rear projection video screens and framed by expansive windows open to the undisturbed natural woodlands of the site.

2010 AIA WV Merit Award for Achievement in Architecture



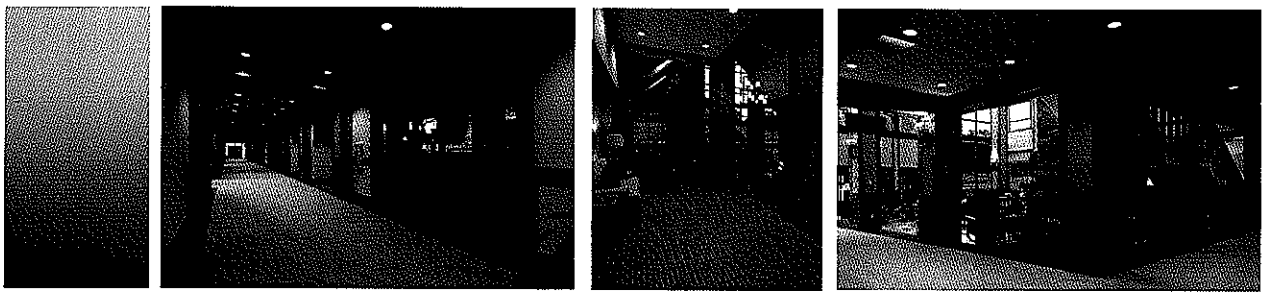




Entry and way-finding is marked very strongly through the development of the lobby, or "Gathering Space" of Phase 1. The architectural detailing of this space, as well as its entrance canopy, works to establish the posture of the building's character and convey the ministry attitude of Bible Center. In addition to pre and post service fellowship functions, the Gathering Space is open throughout the week where people are encouraged to meet, relax, and have a cup of coffee. The two-story fireplace and scripture engraved mantle, along with the richly textured fabrics, stonework, slate, and wood trim presents a comfortable, iconic image connecting with users at a familiar and personal level.

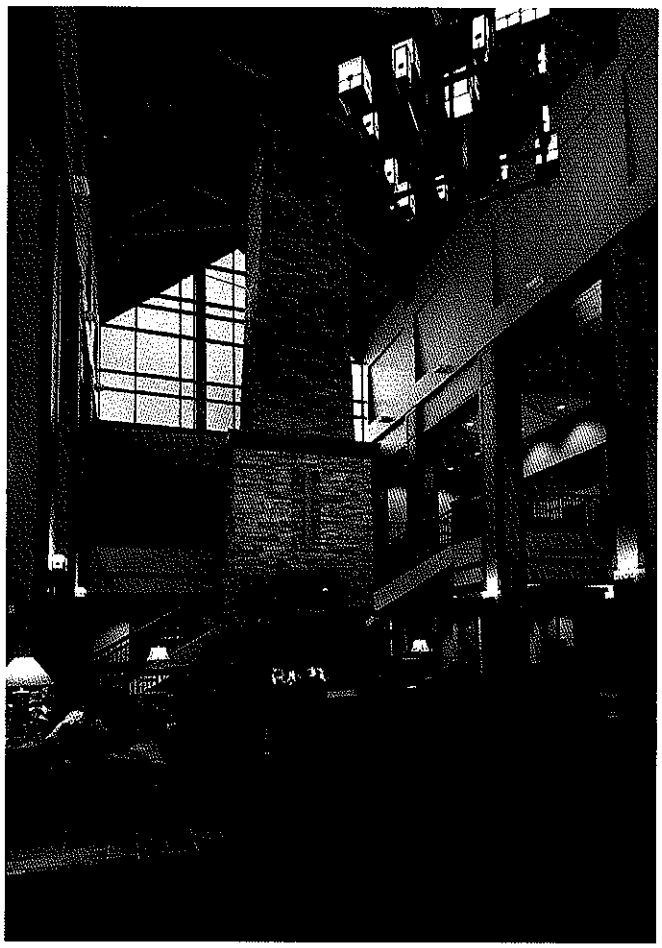
In developing great worship venues for all ages, the upper floor of the building houses six large adult classrooms, similarly detailed with many elevated views to the site. The lower level of Phase 1 is focused on the nursery and children's ministries and is anchored by the Children's Theatre, a heavily themed 180 seat worship space detailed with a woodland shed stage, indoor trees, and camp-style light strings. The finishes of the children's spaces are playful and vibrant while maintaining a connection to the earthy tones of the design concept.

2010 AIA WV Merit Award for Achievement in Architecture

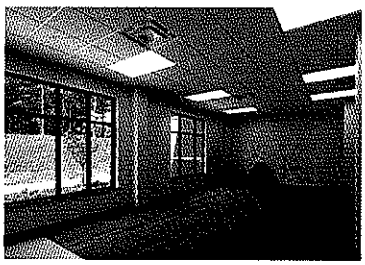


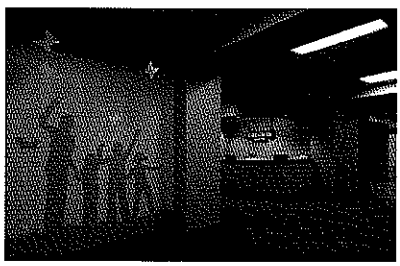
The 67,000 square foot facility is organized along a strong, simple main street corridor at all three building levels, passing through the Gathering Space and connected to the grand stair. Way-finding is simplified, and intuitive expansion opportunities are consciously integrated into the plan. Phase 2 of the campus master plan includes relocation of the administration, counseling center, recreation space, and all school functions. Phase 3 of the plan incorporates a more formal 2,500 seat Sanctuary, an intimate 300 seat Chapel, and greatly expanded children and youth worship spaces. Completed in April of 2008, the first phase of master plan development carried a total construction budget of $17,000,000 and utilizes heavy timber wood trusses, convention steel framing, dry-stack stone veneer, brick, EIFS, and high performance glazing in curtain and storefront window systems.

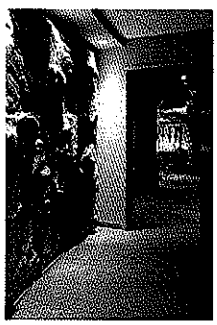
In embracing a non-traditional solution to meet the complex needs of this vibrant congregation, the church and design team pursued an architecturally and culturally relevant design to speak to the hearts of past, present, and future members of the church and the Charleston community. It is the first step in a bold venture for the thriving ministries of Bible Center Church.

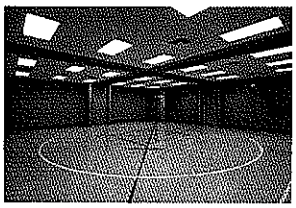


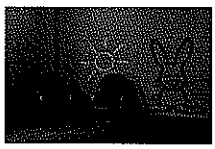
2010 AIA WV Merit Award for Achievement in Architecture











Project Size: 60,000 gsf total

Project Type: New Construction

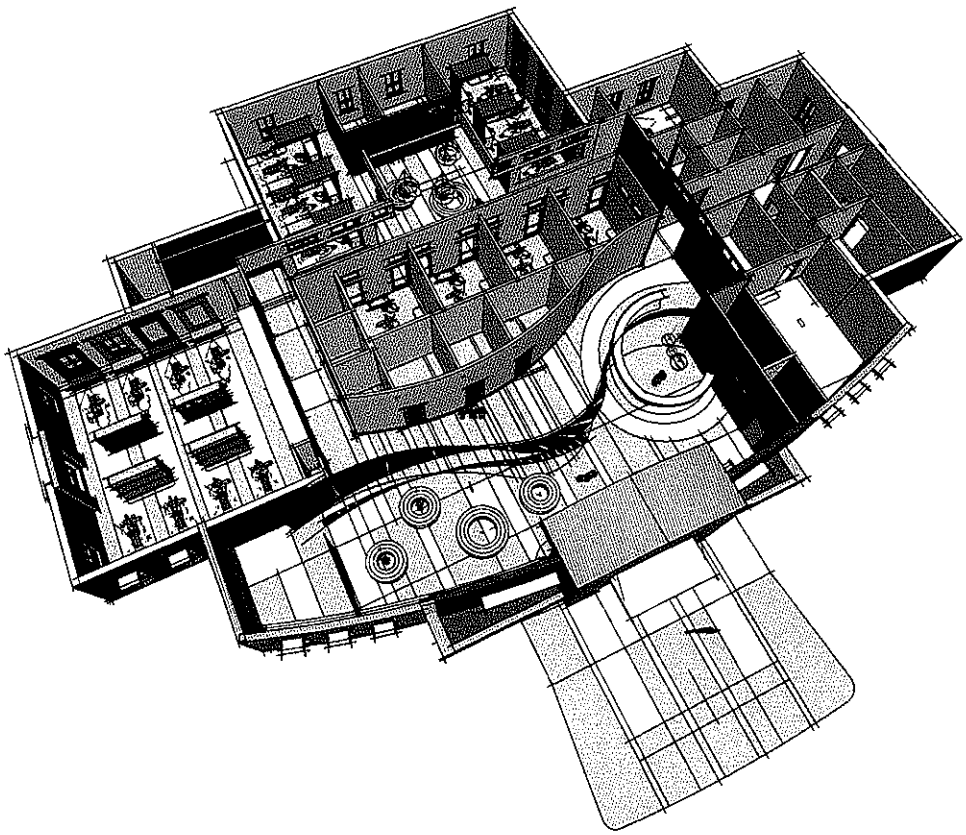
Project Status: Completed in 2008

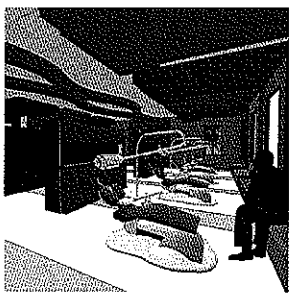
Contact: Lee Walker, Bible Center Church, p 304.346.0431

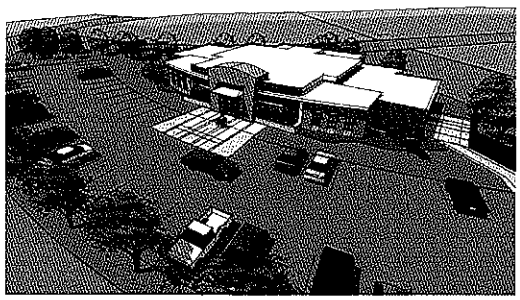
Bible Center Church Daycare & Pre-School

Charleston, West Virginia

The award-winning Bible Center Church project included modern childcare and pre-school facilities within the 60,000 worship and educational center. This "Outfitter's-themed" program included various pre-school, nursery, and multipurpose educational, childcare, and recreational spaces, including a dynamic children's theatre located on the lower level, featuring an abundance of natural lighting throughout with wonderful views of the wooded surroundings.







Project Size: 9,000 gsf

Project Type: New Construction

Project Status: To be Completed in 2011

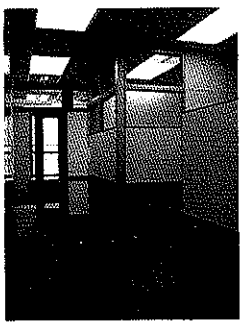
Contact: Teays Valley Pediatric Dentistry

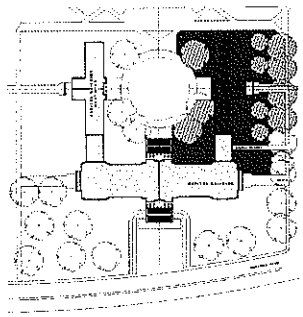
Huntington Pediatric Dentistry Center

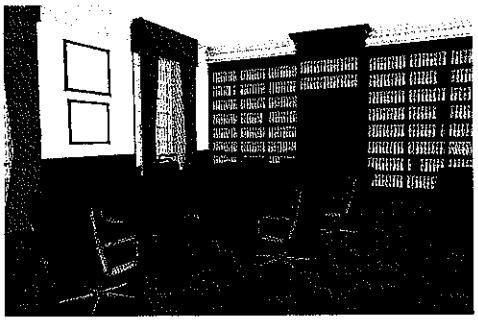
Huntington, West Virginia

This 9,000 square foot pediatric dentistry facility will be situated on a 1.2-acre site in Kinetic Park (Huntington, WV). The client asked our team of designers to "step outside the box" and develop a fun, child-friendly, and highly interactive environment geared towards providing state-of-the-art pediatric care to the community.

The building plan features a large, welcoming lobby and waiting area, interactive play area, hygiene bay, treatment bay, quiet rooms, private offices, consulting rooms, and staff area. The playful interior features dynamic colors, forms, materials, natural daylighting, and flat screen televisions.





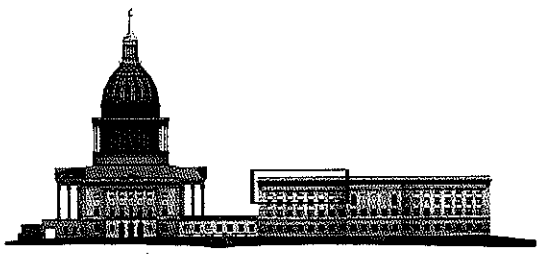


Project Size: 7,500 gsf

Project Type: Renovations

Project Status: Completed in 2010

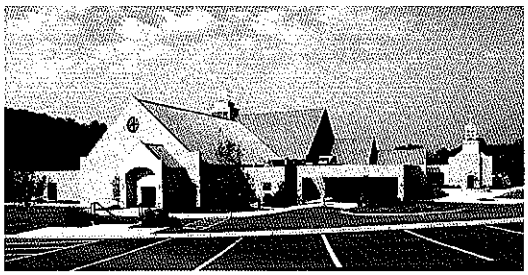
Contact: Steve Canterbury, Administrative Director, 304.558.0145

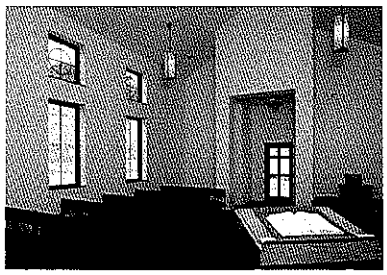


West Virginia Supreme Court of Appeals

East Wing of the State Capitol Complex, Charleston, West Virginia

This historic renovation project involves the phased renovation of the third and fourth floors of the East Wing of the West Virginia State Capitol Building. Primary components of this project included the historic restoration of the Justices' conference room, renovations to each of the Justice's private chambers, and a complete renovation and modernization of the 4th floor offices for legal assistants totaling 5,300 square feet. In addition, various mechanical, electrical, plumbing, and telecommunications upgrades were provided.





Project Size: 27,800 gsf

Project Type: New Construction

Project Status: Completed in 2005

Contact: Pastor Richard Mahan, Saint Timothy Lutheran Church, p 304.343.0424

Saint Timothy Lutheran Church

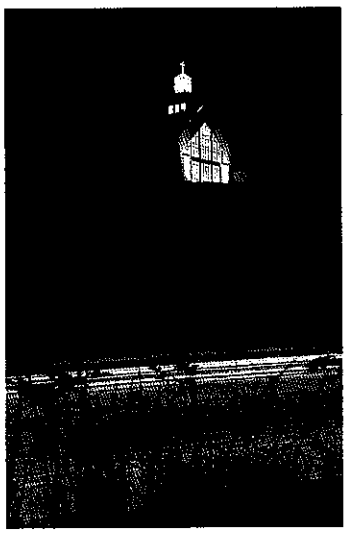
Charleston, West Virginia

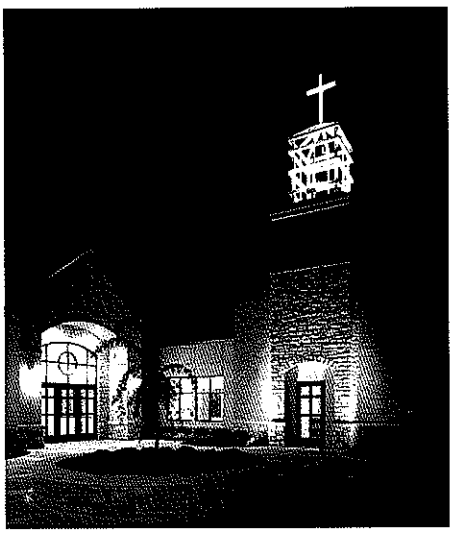
Built on a bluff with a dominating view from a regional vehicular path, this 27,800 square foot facility was designed and constructed for a growing congregation relocating from its home of nearly 60 years. Included in the program is a 400-seat sanctuary, 40-seat chapel, narthex with overflow seating of 60, a multi-purpose fellowship hall, and the required nurseries, youth and adult education, administration, and support spaces.

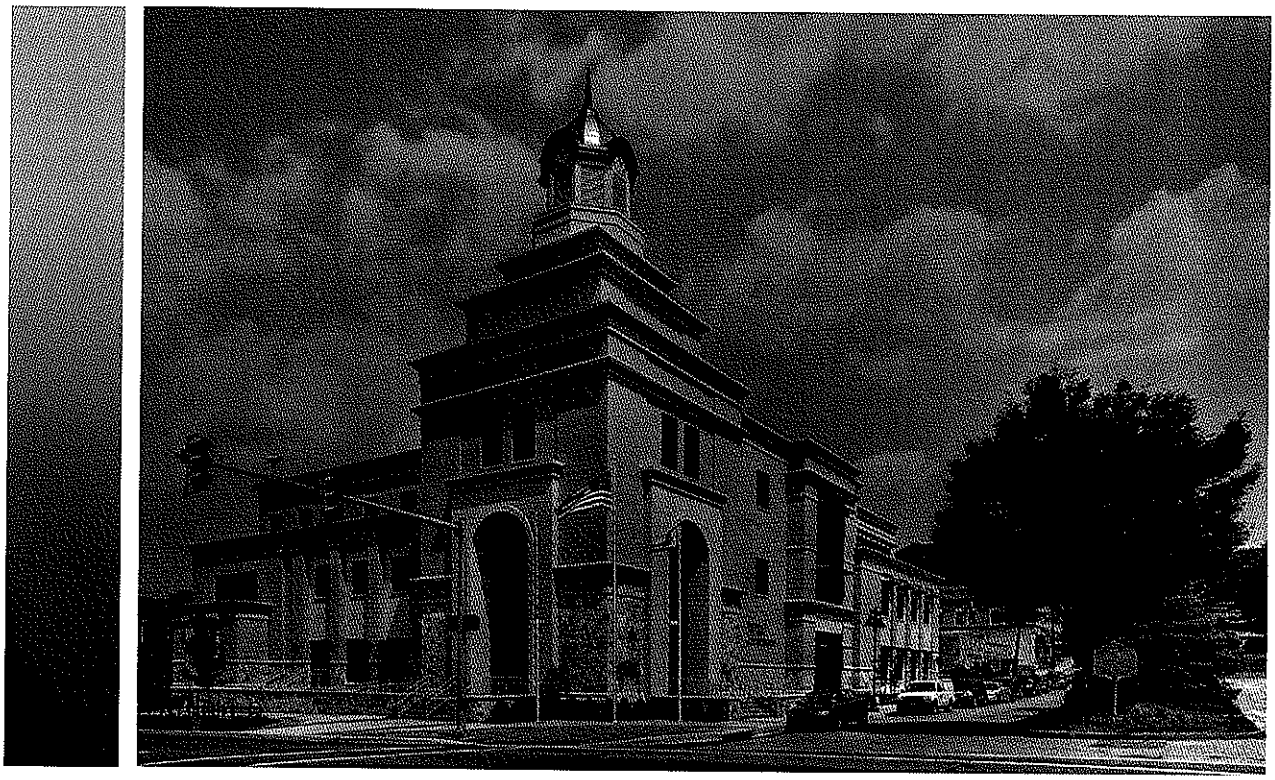
The building is positioned at the southern edge of the site and aggressively engages the topography to maximize its presence from the road below. Upon entering the site at the top of the access drive, parishioners are welcomed by a terraced, curvilinear parking area. The organic lines of the site structure work in contrast to the formal clusters of the building composition and travel through the site affords infinite perspectives of the building massing. More than 60,000 cubic yards of earth were moved to accommodate the single-storm footprint and parking requirements while foundations nearing the top of the slope are ten feet wide and nearly twelve feet deep.

The church family is a diverse mix of ages, personalities, and worship preferences, which is reflected in the various liturgical, charismatic, and meditative services offered throughout the week. Consequently, the architectural language of the facility is developed with strong iconographic forms and materials while attempting to maintain an abstract nature of composition and detailing. Responsive to the church's evangelical mission, the main entrance steps down in scale as the invitation, relating to the smaller human form, while a powerful axis leads past the baptismal font to the altar and the sacrament of Holy Communion, growing to the crescendo of space in the voluminous lightwell.

In contrast to the gabled linear form of the nave, the communication rail, pulpit and lectern platform, and altar predella manifest in raised circular forms driving toward the center of the room, facilitating personally engaging preaching, teaching, and worship leading. The church's belief in one triune God is symbolically represented in the worship space, as God the Father embracing His church through the vast angular wall and ceiling planes; God the Son, or Rock, through the freestanding stone wall and cross; and God the Holy Spirit, His real presence in the world today, through the infusion of natural light. The stained glass rose window, as well as eight rectangular memorial windows, were brought from the existing building and utilized in the detailing of the altar wall and narthex space. Steel trusses are designed and detailed reminiscent of the heavy timber members of the original sanctuary, and the use of stone at the interior and exterior makes gesture to the stone cladding of the old facility. With room to immediately double in attendance, and ultimately quadruple through the introduction of additional Sunday services, the congregation of St. Timothy and their mission is reflected in the design, construction, and utilization of their new church home. It responds to who they are, where they came from, and what they aspire to become--making a positive impact on the spiritual and built environment of the community they service.







Project Size: 47,000 gsf

Project Type: New Construction

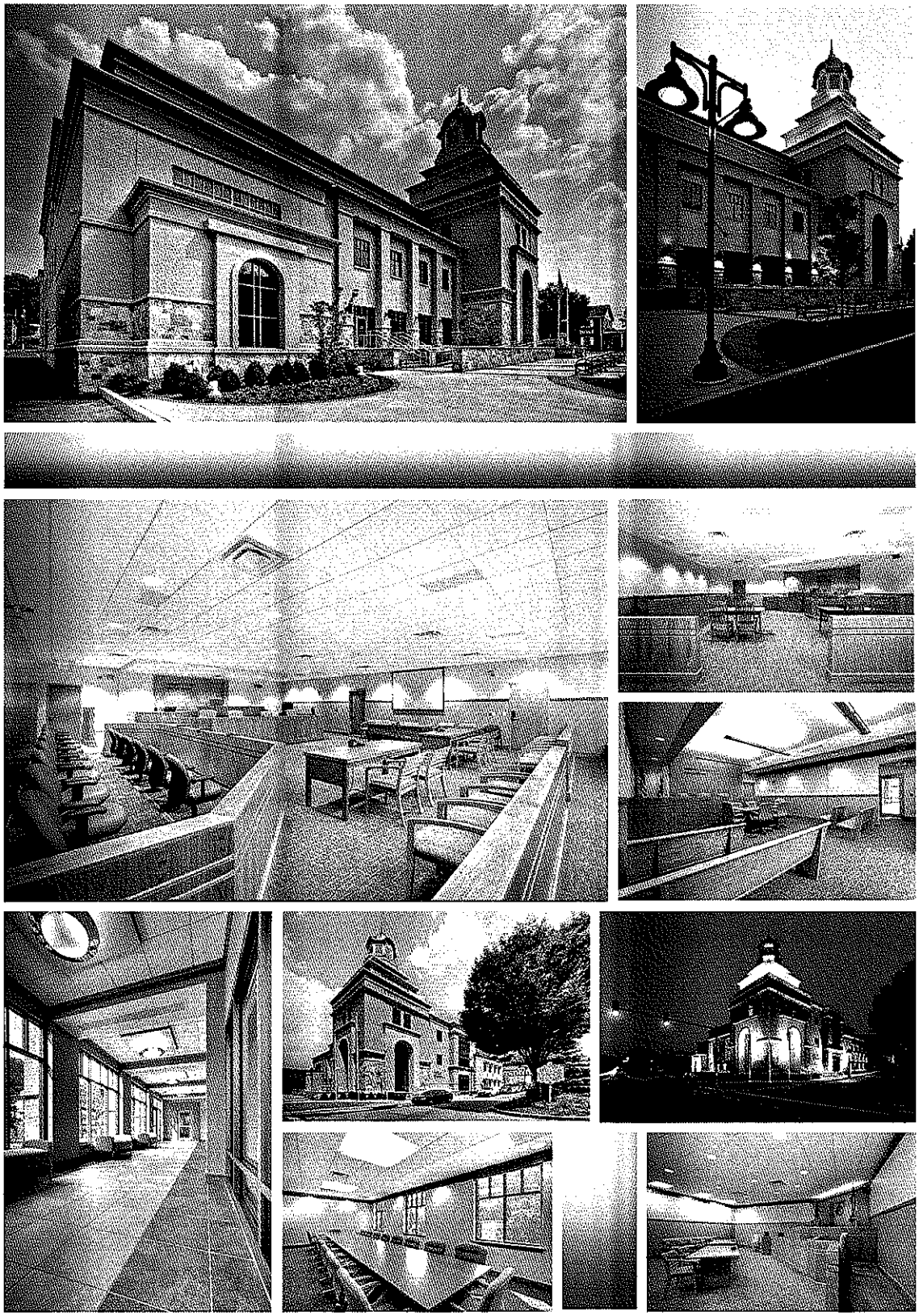
Project Status: Completed in 2010

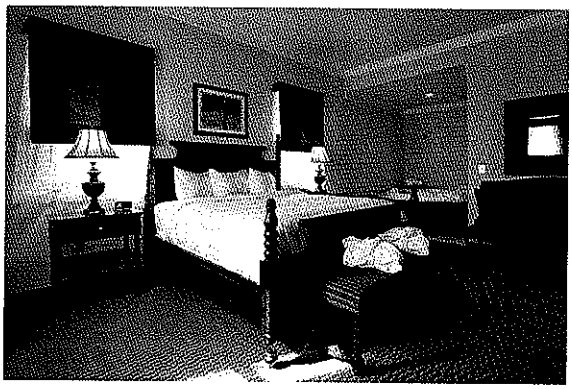
Contact: Brenda Hutchinson, Commissioner, Morgan County Commission, p 304.258.8540

Morgan County Courthouse

Berkeley Springs, West Virginia

August 8, 2006 marked the second time tragedy destroyed a Courthouse in Morgan County at the corner of Washington and Fairfax Streets in downtown Berkeley Springs. The new 47,000 square foot Courthouse will house all of the County's courts and administrative departments under one roof. A creative approach to the placement of security screening allows for convenient first floor access to the county administrative services, while providing appropriate queuing of court visitors as they make their way to the upper level court departments. The architecture of the new courthouse, which required great sensitivity to the downtown fabric of downtown Berkeley Springs, recalls some of the more prominent features of the historic courthouse, including the cupola, exterior materials, and cornice detail.





Project Size: 87,000 gsf

Project Type: New Construction

Project Status: Completed in 2010

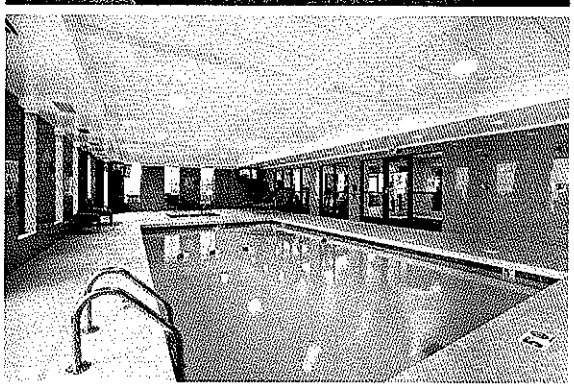
Contact: Dan Adkins, Hartman & Tyner, 304.776.1000

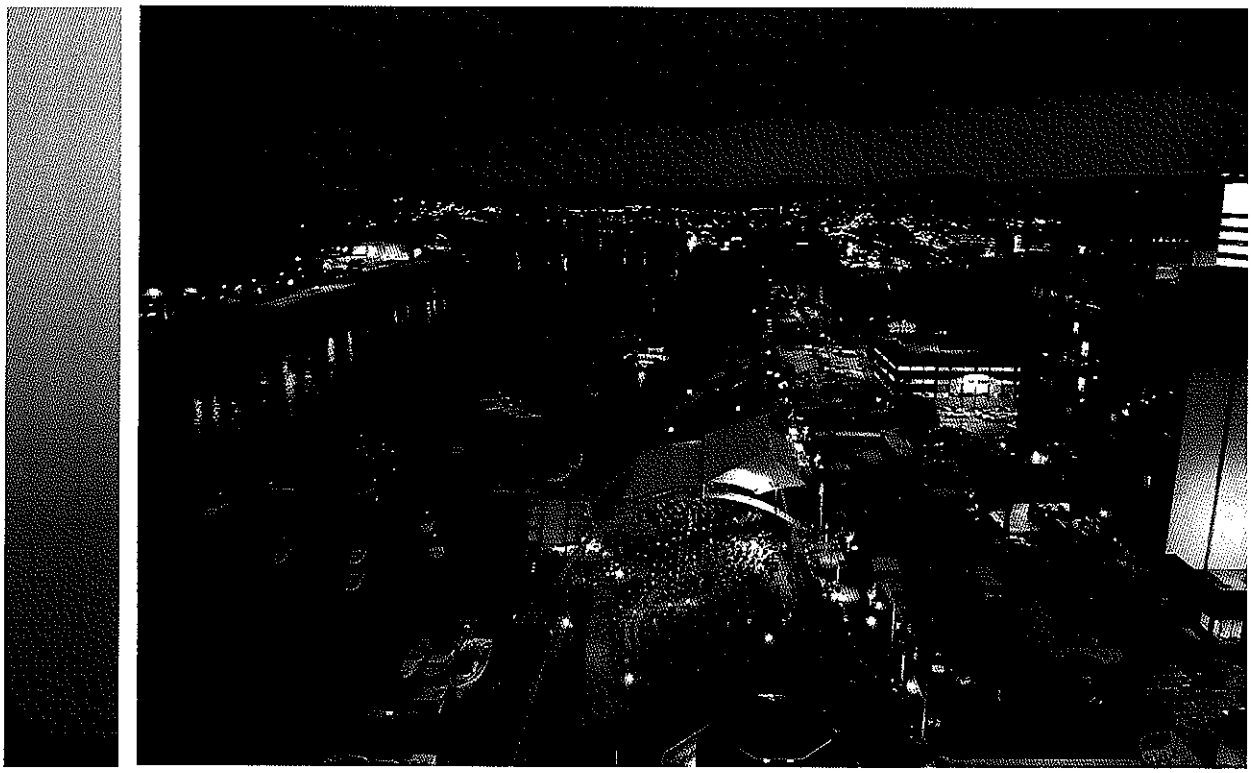
Mardi Gras Casino Resort Hotel

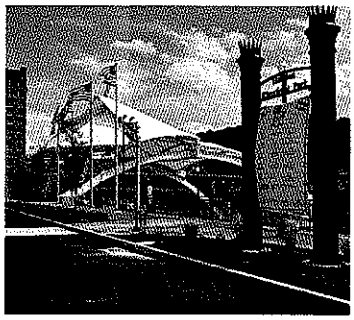
Cross Lanes, West Virginia

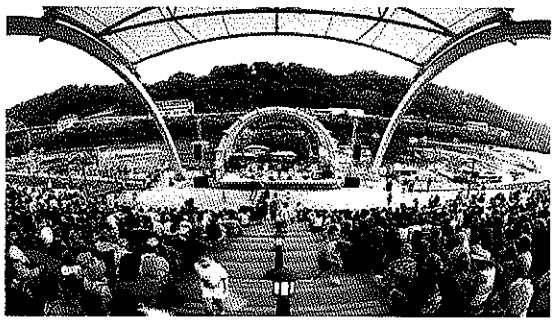
In a continued effort to enhance the entertainment and gaming experience at Mardi Gras Casino and Resort, a new 150-room luxury hotel was designed in the French Quarter theme for a long-standing WV racetrack and casino destination. Without the parameters of an established chain hotel brand or concept, the owners at Mardi Gras worked with our design team to develop a highly customized arrangement of room types, amenities, and palette of materials, fixtures, and furnishings. The resulting design greatly compliments the entire campus character and works to present a cohesively themed resort facility.

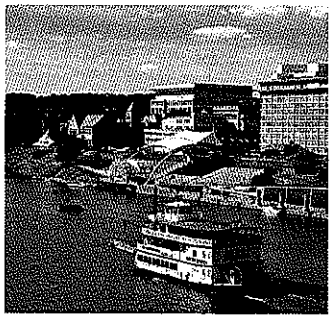
The building is sited on a higher site plateau and is connected to the gaming center via a pedestrian bridge where guests can easily flow from warm and pleasant private guest rooms to the excitement of the casino atmosphere. Perched on this higher ground, the hotel development is lavishly landscaped, utilizing a combination of native plantings and ornamental trees and hedges indicative of the New Orleans French Quarter. The building architecture is also developed with this theme in mind, resulting in a highly layered and rich mixture of building materials, colors, balconies, and roof lines that recall the lively infill and eclectic composition of Bourbon Street.

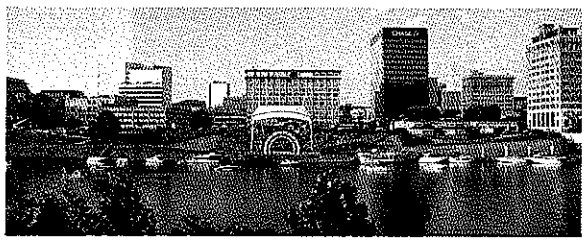












Project Size: N/A

Project Type: New Construction

Project Status: Completed in 2010

Contact: David Molgaard, City Manager, City of Charleston, 304.348.8014

Haddad Riverfront Park

Charleston, West Virginia

In 2008, the City of Charleston selected the team of Silling Associates and GAI Consultants to lead a dynamic transformation of the downtown Haddad Riverfront Park. The primary centerpieces of the redevelopment effort included a retractable canopy for the main amphitheatre area, a "sternwheeler-themed" performance stage, a new pavilion and overlook plaza, a new floating dock, and streetscape design. This venue will be home to weekly outdoor concerts, performances, and a host of other events and celebrations. In addition to providing shade and comfort during the summer months, the canopy can be mechanically retracted to provide open views to riverfront firework celebrations.

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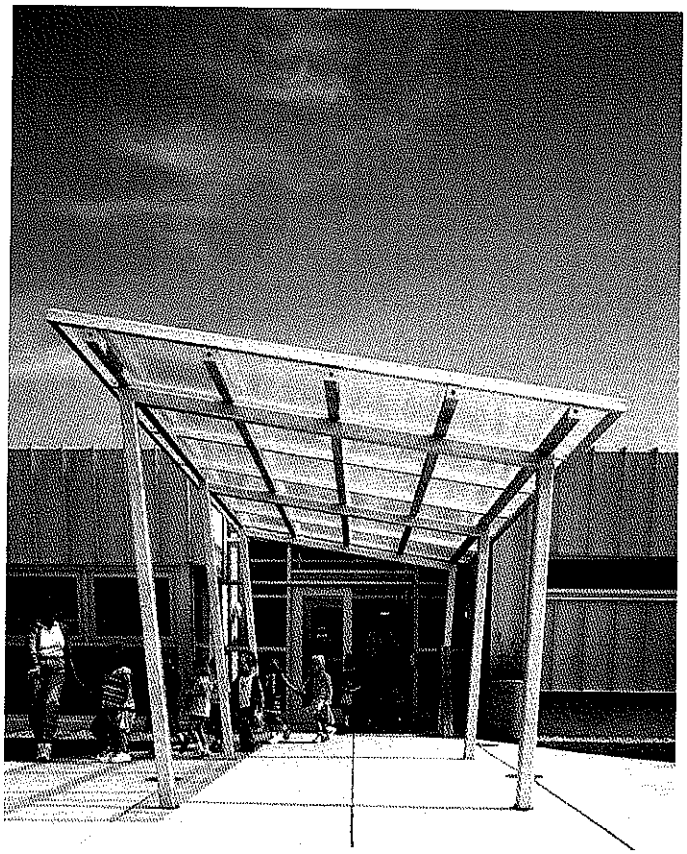


Ross Barney Architects strives to improve the built environment. ***r_barc*** believes that design should be symbolic of the higher purposes of public building capturing a contemporary vision of today's society. We enjoy an international reputation for work primarily in the field of institutional and public buildings that include libraries, public utilities, government, transportation buildings, and elementary schools. Our buildings have received significant design awards, honors and recognitions, including four Institute Honor Awards from the American Institute of Architects and over twenty five awards from AIA Chicago. Our firm was the recipient of the American Institute of Architects Illinois, 2000 Firm Award. Our work has been published in architectural journals, such as *Architecture*, *Architectural Record*, *Architectural Review* and noted in newspapers and books including the *New York Times*, *Washington Post*, *Chicago Tribune*, *Chicago Sun Times* and *USA Today*.

Ross Barney Architects is an Illinois Corporation licensed to practice Architecture. Organized in February of 1981 as Carol Ross Barney Architects, the firm has successfully served a diverse group of clients providing complete Architectural design services. Ross Barney Architects is a woman owned, small business enterprise certified by the City of Chicago and the State of Illinois.

The firm regularly offers pro bono services to community organizations, including the Children's Home and Aid Society of Illinois, Young Women's Leadership Charter School of Chicago, YWCA of Metropolitan Chicago and McGaw YMCA. Employees are encouraged to make individual contributions and commitments to civic and professional organizations.

Our working style is extremely collaborative with communications structured to allow the maximum creative contribution from team members. Our clients are integral parts of the team. Since the majority of our commissions are for public use, we are very experienced working on site in public process and forum during the design process. Our design approach begins with a concentrated effort to understand the site and the community in which we are working.

The make up of our 25 person staff is a reflection of our belief that diversity is a desirable element in the design studio. Women compose 50% of our employees, ethnic minorities are approximately 30% (the remainder are very sensitive modern males.)

awards_

2010
Friends of the Chicago River, Blue Ribbon Awards Chicago Riverwalk
Friends of Downtown, Best New Open Space Chicago Riverwalk
GNMAA Development of the Year Chicago Riverwalk

2009
Chicago Architecture Foundation Patron of the Year Award Chicago Riverwalk, Chicago Department of Transportation
Best of 2009 in Architecture, Chicago Tribune Chicago Riverwalk
Midwest Construction, Best of 09 Awards, Chicago Riverwalk
World Architecture Festival High Commendation Community Buildings Jewish Reconstructionist Congregation
AIA/COTE Top Ten Green Projects Jewish Reconstructionist Congregation
29 Great Solutions #1 Design, BD&C Chicago Riverwalk
AIA Chicago Interior Architecture Award Champaign Public Library
AIA Illinois Honor Award Champaign Public Library
AIA Illinois Honor Award Mitzi Freidheim Englewood Child and Family Center
Chicago Building Congress, Merit Award Jewish Reconstructionist Congregation Synagogue
Brick Industry Association Silver Medal Champaign Public Library
Special Achievement Award ACEC Illinois Champaign Public Library

2008
Distinguished Building Award AIA Chicago Art, Science & Technology Pavilion
AIA Illinois Honor Award Jewish Reconstructionist Congregation
AIA Central Illinois Design Award Champaign Public Library
Chicago Building Congress, Merit Awards Finalist Mitzi Freidheim Englewood Child + Family Center
Chicago Building Congress, Merit Awards Finalist Oakton Community College, Art Science and Technology Pavilion

2007
Frank Lloyd Wright Honor Award, AIA Illinois Levy Senior Center
Daniel Burnham Honor Award, AIA Illinois Wabash Memorial Plaza
Honor Award, ILASLA Wabash Memorial Plaza
Merit Award, ILASLA Swenson Science Building UMD
Prism Award Oklahoma City Federal Building
ACEC Illinois Special Achievement Award 47th Street Pedestrian Bridge

2006
General Services Administration Design Award Oklahoma City Federal Building
Architectural Excellence in Community Design Richard H. Driehaus Foundation Chicago Transit Authority Blue Line
Design Award Concrete Reinforcing Steel Institute Oklahoma City Federal Building

2005
Thomas Jefferson Award American Institute of Architects Carol Ross Barney, FAIA
Interior Architecture Award AIA Chicago Oklahoma City Federal Building
Divine Detail Award AIA Chicago Oklahoma City Federal Building
The Coolest Thing Award Friends of Downtown Columbia College Chicago Conaway Student Center

2004
Sustainable Design Award AIA Chicago Oklahoma City Federal Building
Award of Excellence Ceilings and Interior Systems Construction Association Chicago Transit Authority Blue-Line Canopies
Merit Award Chicago Building Congress Faculty Office Building Governors State University
Merit Award Chicago Building Congress Family Development Center, Governors State University

2003
Distinguished Building Award AIA Chicago Jubilee Family Resource Center
Interior Architecture Award AIA Chicago Levy Senior Center
Divine Detail Award AIA Chicago Emanuel Congregation Sanctuary Renovation
Merit Award Chicago Building Congress Levy Senior Center
Bronze Medal Illinois Indiana Masonry Council Glenside Public Library
New Construction Design Evanston Award Levy Senior Center
Interior Design Design Evanston Award Levy Senior Center

2002
Institute Honor Award for Architecture American Institute of Architects Little Village Academy
Interior Architecture Award AIA Chicago *Emanuel* Congregation Sanctuary
Interior Architecture Award AIA Chicago Jubilee Family Resource Center
Merit Award Chicago Building Congress Jubilee Family Resource Center
Architectural Excellence in Community Design Richard H. Driehaus Foundation Jubilee Family Resource Center

2001
Architecture and Interior Design,DesignEvanston Awards World Savings and Loan
Merit Award Chicago Building Congress Little Village Family Resource Center
Architectural Excellence in Community Design

awards_

Richard H. Driehaus Foundation Little Village Family Resource Center ***Silver Medal Illinois Indiana Masonry Council*** Jubilee Family Resource Center

2000
Architecture "On the Boards" GSA Design Awards *U.S.* Border Station, Sault Ste. Marie, MI ***Distinguished Firm Award AIA Illinois*** Ross Barney+Jankowski ***Merit Award Chicago Building Congress*** Oakton Community College Library Addition ***Gold Medal Illinois Indiana Masonry Council*** Maywood Public Library ***Silver Medal Illinois Indiana Masonry Council*** Oakton Community College Library Addition

1999
Institute Honor Award for Interior Architecture American Institute of Architects Little Village Academy ***Honor Award for Architecture Girl Scouts of the USA Lone*** Tree Area Girl Scout Council ***Distinguished Building Award AIA Chicago*** Maywood Public Library ***Award of Recognition Chicago Building Congress*** Maywood Public Library

1998
Preservation Award for Outstanding Restoration/Rehabilitation the Richard H. Driehaus Foundation Carl Schurz High School ***Merit Award Chicago Building Congress*** Little Village Academy ***Merit Award Chicago Building Congress*** Carl Schurz High School ***Architectural Excellence in Community Design Richard H. Driehaus Foundation*** Little Village Academy

1997
"Chicagoans of the Year" for Architecture Chicago Tribune Carol Ross Barney ***Distinguished Building Award AIA Chicago*** Little Village Academy ***Distinguished Building Award AIA Chicago*** Carl Schurz High School ***Interior Architecture Award AIA Chicago*** Little Village Academy ***Divine Detail Award AIA Chicago*** The Office of Ross Barney+Jankowski ***Brick in Architecture Award Brick Institute of America/AIA*** Cesar Chavez Elementary School

1996
Distinguished Building Award AIA Chicago Cesar Chavez Elementary School ***Interior Architecture Award AIA Chicago*** The Office of Ross Barney+Jankowski ***Silver Medal Illinois Indiana Masonry Council*** Little Village Academy ***Honorable Mention Illinois Indiana Masonry Council*** Mabel Manning Branch ***Award of Distinction Illinois Association of School Boards*** Cesar Chavez Elementary School

1995
Firm Award AIA Chicago Ross Barney+Jankowski ***Distinguished Building Award AIA Chicago*** Barrington Area Library Addition ***Divine Detail Award AIA Chicago*** Barrington Area Library Addition ***Special Mention Award Illinois Indiana Masonry Council*** Carl Schurz High School ***Award of Merit Chicago Lighting Institute*** "Take Flight" Exhibit MSI Chicago ***Merit Award Chicago Building Congress*** Mabel Manning Branch Library ***Silver Medal Illinois Indiana Masonry Council*** Barrington Area Library

1994
Institute Honor Award American Institute of Architects Cesar Chavez Elementary School ***Interior Architecture Award AIA Chicago*** Cesar Chavez Elementary School ***Merit Award American Society of Landscape Architects Illinois Chapter*** Barrington Area Library Addition ***Merit Award Chicago Building Congress*** Cesar Chavez Elementary School

1993
Silver Medal Illinois Indiana Masonry Council Cesar Chavez Elementary School ***Brick in Architecture Award Brick Institute of America/AIA*** Gurnee Remote Switching Unit ***Honor Award American Society of Landscape Architects Illinois Chapter*** Gurnee Remote Switching Unit

1992
Evanston Preservation Award Nichols School Clock tower Restoration ***Distinguished Building Award AIA Chicago*** Gurnee Remote Switching ***Silver Medal Illinois Indiana Masonry Council*** Gurnee Remote Switching Unit ***Bronze Medal Illinois Indiana Masonry Council*** Glendale Heights Post Office ***Federal Design Achievement Award National Endowment for the Arts*** Glendale Heights Post Office

1991
Institute Honor Award AIA Glendale Heights Post Office

awards_

1992
Honor Award
Consulting
Engineers
Council of Illinois
O'Hare Airport
Pedestrian Bridge

National School
Boards
Association/AIA
Cesar Chavez
Elementary School

bio_

Carol Ross Barney, FAIA
Design Principal

Profile

Founder and President, Carol Ross Barney, is responsible for the design excellence of all projects undertaken by the firm. She was awarded the 2005 Thomas Jefferson Award for Public Archtiecture for a distinguished career and dedication to Architecture in the public realm. Her work has been published in national and international journals and has received numerous honors and awards including the Federal Design Achievement Award from the Presidential Design Awards Program, four Institute Honor Awards from the American Institute of Architects and over twenty AIA Chicago Chapter awards. Her drawings and work have been widely exhibited and collected by the Art Institute of Chicago, Chicago Historical Society, National Building Museum and the Museum of Contemporary Art Chicago.

She has developed a keen understanding of the special needs of institutional and public clients which has produced distinctive structures that have become cultural icons.

A native Chicagoan, Carol and her husband, Alan, a librarian, have three sons.

Professional Experience

Ross Barney Architects
1981-
Orput Associates, 1979-1981
Holabird & Root, 1972-1979
U.S. Peace Corps, 1971-1972

License

Architect-Illinois 1974, Oklahoma 1997, Ohio 1998, Missouri 2000, Michigan 2002, Wisconsin 2003, Arizona 2003, Minnesota 2003, Texas 2003 2003 Florida, 2004 Pennsylvania, N.C.A.R.B. Certificate 1978

Education

Bachelor of Architecture, 1971
Francis J. Plym Traveling Fellowship, University of Illinois at Urbana/Champaign, 1982. Master of Architecture Program

Academic Experience

University of Oklahoma
Bruce Goff Chair of Creative Architecture, 2002
Illinois Institute of Technology,
College of Architecture, Board of Overseers, 1997-
Studio Professor of Architecture, 1993-1994
University of Illinois at Chicago
Adjunct Assistant Professor of Architecture, 1976- 1978
University of Illinois at Urbana-Champaign, School of Architecture
Advisory Board, 1998-
Visiting Critic, 1991, 1992
Guest Lecturer, University of Illinois at Urbana-Champaign, University of Chicago, University of Wisconsin, University of Nebraska, Virginia Polytechnic, University of Arizona, Columbia College, Illinois Institute of Technology, Washington University, University of Wisconsin at Milwaukee, Judson College, Oklahoma State University, Carnegie Mellon, Drury University

Professional Affiliations

American Institute of Architects
Member, 1974-
Chair, Institute Honor Award for Interior Architecture, 2001
Chair, Women in Architecture Committee, 1989,
Chair, AIA Chicago Fellows Nominating Committee,
1994, 1995, Chicago Chapter Vice President, 1978-
1980, Secretary, 1981-1982, Jury of Fellows, 1996-1999
The Chicago Architecture Foundation,
Board of Directors, 1999-
The Economic Club of Chicago
Member, 1997-2003
Chicago Women in Architecture
Member, 1974-
President, 1977-1978
The Chicago Network
Board of Directors, 1990-1992
Member 1986-
The Cliff Dwellers, Member 1982-, Board of Directors, 1994-1997

Exhibitions

Chicago Architecture Foundation, 2005
"5 Architects"
General Services Administration, 2007
"Thresholds Along the Frontier", Sault Ste. Marie Border Station
Ispace, Gallery of the School of Fine and Applied Arts, University of Illinois at Urbana-Champaign, 1999-2000
"People+Places, The Work of Carol Ross Barney"
Museum of Contemporary Art Chicago
"Material Evidence: Chicago Architecture at 2000"
National Building Museum, Washington, D.C.
2000 GSA Design Awards
The Art Institute of Chicago, Department of Architecture Permanent Collection
Drawings of Little Village Academy

Professional and Civic Involvement

General Services Administration, Public Buildings Service, National Register of Peer Professionals, 1996-, National Workshop on Workplace Productivity, 1999, "Balancing Security and Openness in Federal Buildings-Panel, 1999
McGaw YMCA, Board of Directors, 1996-
Trustee, Children's Home and Aid Society,1986-2000
Village of Wilmette, Illinois
Chair, Appearance Review Commission, 1990-2000, Plan Commission, 1985-1988, Economic Development Commission, 1988-1990
Illinois State Library Advisory Committee, Subcommittee for Library Construction, 1992-1994, 1997-
City of Chicago, Department of Housing, Peer Review, 1997-2000

Design Awards Juror:

Richard H. Driehaus Foundation Award for Architectural Excellence in Community Design, 1999, 2000, Business Week/Architectural Record Award, Chair-2000, General Services Administration Honor Awards, AIA Oklahoma, AIA San Francisco, AIA Institute Honor Awards, AIA Dallas, AIA Wisconsin, AIA Washington, D.C., AIA New York State, Forum America Student Competition, AIA Committee on Architecture for Education, AIA Florida, AIA Minnesota, AIA Michigan, AIA Missouri.

Guest Lecturer:

National Building Museum, AIA Central Oklahoma, Keynote Speaker, 2000 U.S. Conference of Mayors-Panelist, "Schools as Centers of Communities", Chicago Humanities Festival, 1999-"Is Chicago Becoming and Old City", University of Illinois, College of Fine and Applied Art, Lecture Series, 1998, 1999, AIA Conventions 1990, 1991, 1994, 1999, 2000, 2001, Toronto Society of Architects, International Masonry Institute, National Association of Steel Constructors, AIA Chapters- Oklahoma, Oklahoma City, Dallas, Kansas, Minnesota, Oklahoma, Boston, St. Louis, Southwest Arizona, Virginia, Iowa, Southern Illinois, Royal Institute of Irish Architects, Chicago Architectural Foundation, Bright New City, Art and Design Society of the Art Institute of Chicago, Chicago Historical Society, Chicago Architectural Club, LITA Forum, AIA Students Keynote.

Honors and Awards

American Institute of Architects
Thomas Jefferson Award, 2005
Institute Honor Awards, 1991, 1994, 1999, 2002
American Institute of Architects Illinois
Distinguished Firm Award, 2000
AIA Chicago, Distinguished Building Awards, 1989, 1992, 1996, 1997 (2), 1999, 2003, 2008 Interior Architecture Awards, 1994, 1995, 1996, 1997, 2002 (2), 2003, 2005 Divine Detail, 1995, 1997, 2005 Firm Award, 1995, Sustainable Design Award, 2004
American Institute of Architects
College of Fellows, 1992
National Endowment for the Arts
Federal Design Achievement Award, 1992
Richard H. Driehaus Foundation, Architectural Excellence in Community Design, 1998, 2001, 2002
General Services Administration, Design Awards, Architecture on the Boards, 2000
Chicago Tribune
"Chicagoan of the Year", 1997
Highland Park Preservation Commission
Highland Park Preservation Award, 1989
Crain's Chicago Business, 100 Most Influential Women, 1996, 2004, 500 People to Know, 1996
Whos Who in Chicago Business, 2004
"Who's Who in America", 1988
Emerging Leaders, In the Midwest, American Women

Selected Projects

Washington University, Early Childhood Education Center, St. Louis, MO
Little Village Family Resource Center, Chicago, IL
Louise M. Beem Early Childhood Education and Care Demonstration Center, College of DuPage, IL
Cook County Childcare Center, Chicago, IL
Mitzi Freidheim Englewood Child and Family Center, Chicago, IL
Governors State University, Charter School/Family Development Center, IL
Jubilee Family Resource Center, Chicago, IL
Commodore John Barry Elelmentary School, Philadelphia, PA

bio_

Michael Ross, AIA, LEED AP
Principal in Charge/Sustainable Design Resource

Professional Experience
Ross Barney Architects, 1998-Present
Navy Public Works Center, 1995-1998
Boelter Environmental Consultants, 1994-1995
Langley Air Force Base, 1990-1994
Wright Patterson Air Force Base, 1989-1990
Air Force Logistics Command, 1988-1989
Moody Air Force Base, 1983-1988
Carol Ross Barney Architects, 1981-1983

Education
Bachelor of Science, Architectural Studies,
University of Illinois at Urbana-Champaign, 1982
Masters of Science, Technical Management, Air Force Institute of Technology, Wright-Patterson Air Force Base, Ohio, 1990

License
Architect, Illinois, 1994

Certifications
U.S. Green Building Council, LEED™ Green Building Rating System
LEED Accredited Professional, 2001

Professional Affiliations
American Institute of Architects, Member
Society of American Military Engineers, Member
National Trust for Historic Preservation, Member

Civic and Professional Involvement
North Shore Unitarian Church
Mentor, 2004-2005
Art Fair 2002-2005, Chair
RE Teacher, 1998-2006
Architect Selection Committee, 2000
Facility Management, Chair 1997-1999
American Youth Soccer Organization (AYSO)
Coach, 1999-2003
Illinois Shotokan Karate Club (ISKC)
Referee, 2005 - 2006

Profile
Michael brings a broad base of expertise to ***r_barc***. He has extensive experience in architecture, engineering, construction, and environmental project and program management. During his twelve years as a civil engineering officer in the Air Force, he designed and managed projects for a wide range of building types.

In addition, Michael's specific areas of expert knowledge include programming and sustainable design. His master's thesis compared and studied programming theory, techniques and tools. As the lead programmer, he successfully uses this expertise to define the core issues that lead to thoughtful solutions.

As a LEED Accredited Professional, Michael has successfully demonstrated his knowledge of green building design, practices, and strategies. He facilitates the incorporation of sustainable design from a "whole building" perspective based on accepted energy and environmental principles and strikes a balance between known effective practices and emerging concepts.

A native Chicagoan and soccer coach, Michael and his wife Jenny an Environmental Engineer, live in Mundelein. They have a son, Matthew and a daughter, Perry.

Selected Experience
University of Chicago
Regenstein Library Reconfiguration
Chicago, Illinois

University of Chicago
61st and Drexel Parking/Office Building
Chicago, Illinois

Jewish Reconstructionist Congregation
Early Childhood Education Center and Synagogue
Evanston, Illinois
LEED Platinum

University of Minnesota- Duluth
James I. Swenson Civil Engineering Building
Duluth, Minnesota
LEED Gold

School District of Philadelphia
Commodore John Barry Elementary School
Philadelphia, Pennsylvania
LEED Gold

University of Florida
Library West Addition and Renovation
Gainesville, Florida
LEED Gold

bio_

Kimberley Patten, AIA, LEED AP
Project Manager/ Sustainable Design Coordinator

Professional Experience
Ross Barney Architects, 2004-Present
Mark J. Paone, AIA, 2002-2004
John Trautmann Architects, 2001

Education
Bachelor of Architecture
University of Southern California, 2002
Asia Architectural Abroad Program
University of Malaya, Malaysia, 2000
Tunghai University, Taiwan, 2000

License
Architect, California 2009

Certifications
U.S. Green Building Council®
LEED AP, 2006

Professional Affiliations
American Institute of Architects, Member
Chicago COTE Committee
USGBC Illinois Chapter, Member
Greenbuild 2010 Tours Committee
Chicago Women in Architecture, Member

Profile
Kim believes that architecture is a collaborative process, involving input from the client, design team, and local community to create a positive and meaningful solution.

She actively participates in the process of Architecture from concept through construction. She has been involved in the planning and production and coordination of building documents for various project types and sizes.

Kim is passionate about the implementation of sustainable design strategies in all of her work. Through her extensive involvement in sustainable design organizations, she keeps the office current on trends and growth within the industry. She facilitates the incorporation of integrated design, utilizing the full project team's knowledge base to create efficient solutions.

Selected Experience
Washington University in St. Louis
New Childcare Facility
St. Louis, Missouri
LEED Gold, Projected

Jewish Reconstructionist Congregation
New Synagogue
Evanston, Illinois
LEED Platinum

James I. Swenson Civil Engineering Building
New Facility
University of Minnesota, Duluth
LEED Gold

Allied Health and Science Center
Lake Superior College
Duluth, Minnesota
LEED Silver, Projected

Commodore John Barry Elementary School
School District of Philadelphia
Philadelphia, Pennsylvania
LEED Gold

Champaign Public Library
New Library
Champaign, Illinois

University of Minnesota- Duluth
James I. Swenson Science Building
Duluth, Minnesota

Purple Line Master Plan
Metropolitan Rail
Evanston, Illinois

Rancho Santa Fe School District
New Facility

learn_

Washington University
Early Childhood Care Facility
St. Louis, Illinois
$4,000,000-Under Construction-2010
The Washington University St. Louis early childcare facility will be a 19,000 gross square foot center providing for 156 children ages 6 months to 5 years. The building will be a LEED certified Silver facility.

School District of Philadelphia
Commodore John Barry Elementary School
Philadelphia, Pennsylvania
$23,000,000-Completed 2008
Planning and design of a 94,000 square foot pre kindergarten through 8th grade school in a dense urban environment. Includes classrooms, gymnasium, outdoor play and cafetorium. The building will be designed to receive a LEED Gold rating.

Fine and Performing Arts High School
Feasibility Study
Chicago, Illinois
$60,000-Schematic Design-2009
Development of a building program to establish a 600 student high school for the Chicago Public Schools Fine and Performing Arts. The Feasibility Study evaluates existing facilities to temporarily house the school for the first two years, and establishes the criteria to renovate an existing high school to support programs for the visual arts, dance, theater and music.

Jewish Reconstructionist Congregation
New Synagogue
Evanston, Illinois
$7,300,00-Completed 2008
Design of new 32,000 square foot synagogue, religious school, and early childhood program. The new building includes eight classrooms, a resource center, and a library to serve the congregation. Three additional classrooms are dedicated to the care of children ages 2 through 5.

Rush University Medical Center
Chicago, Illinois
$5,000,000-Completed 2007
Rush University Medical Center's Outpatient Psychiatry Clinic and the Laurence Armour Day School are moving into 40,000 square feet of leased space in an existing building near the Center's campus. The new facility provides new outdoor playgrounds and state-of-the-art daycare and outpatient clinic spaces.

Louise M. Beem Child Care and Demonstration Center
College of DuPage
Glen Ellyn, Illinois
$3,500,000-2007
Design of a new 21,000 square foot Early Childhood Education and Care Center on the campus of the College of Du Page. The building serves the community with family programming and other social services.

Chicago Jewish Day School
Feasibility Study
Chicago, Illinois
Study-2008
Complet feasibility study for the expansion of their location in the Emmanuel Congregation site along the lakefront of Chicago at Sheridan and Thorndale. The work included the development of program and expansion concepts to support the growing elementary school. The study included site evaluation, concept development, and cost estimating

Adamson High School
Dallas Independent School District
Dallas, Texas
$4,000,000-2006
Design of a new 35,000 square foot addition to existing W.H. Adamson High School. The addition provides 18 new class rooms and new music facilities such as Band room, Orchestra room, and Ensemble room.

Tulsa Children's Coalition
Center's For Early Childhood Programs & Family Partnerships
Tulsa, Oklahoma
$5,200,000-Design-2004
The Tulsa Children's Coalition (TCC), is a branch of the non-profit community based organization of Community Action Project. Committed to building two Centers for Early Childhood Programs and Family Partnerships to serve their communities, these facilities will be 19,880 square feet, each serving 192 children-ages 6 weeks to 5 years). Their goal is to provide to low-income families high quality, state-of-the-art programs. Each facility is expected to cost $2.6 million.

Mitzi Freidheim Englewood Child and Family Center
New Facility
Chicago, Illinois
$7,000,000-2007
Design of a new 32,000 square foot Childcare and Family Center along West 63rd Street in Chicago's West Englewood Neighborhood. The building serves the community through many family programs, provides GED and computer education classes and other social services.

Bartholomew Consolidated School Corporation
South Side Elementary School
Columbus, Indiana
$19,000,000-Design-2005
Design of a 100,000 square foot new elementary school with elements of small schools, sustainable and universal design. This new facility will continue the rich tradition of cutting edge design by the country's leading architects in this landmark community.

St. Athanasius Parish and School
Planning Study and Addition
Evanston, Illinois
$1,500,000-2005
Development of space use options and the associated costs based on the stated goals of parish. The study concluded with a plan to construct a new 2200 square foot addition for a parish gathering/meeting area and school renovations to include a new 800 square foot science classroom/laboratory.

Illinois Mathematics and Science Academy
Renovation
Aurora, Illinois
$8,000,00-Schematic Design-2006
The Illinois Mathematics and Science Academy (IMSA) is a 96-acre campus facility with nine buildings totaling 525,000 square feet. The scope of work of our project provides for constructing a mezzanine level in the east gymnasium to provide 26,400 GSF for the Academy's external service programs. This renovated space for the "Center @ IMSA" programs will include flexible, technology-rich instructional space, office space, and seminar space.

Governors State University
Family Development Center
University Park, Illinois
$5,000,000-2003
New 31,950 square foot Child Care Center/Charter School houses a state of the art center with a number of programs for the university and surrounding community.

Child Care Facility
General Services Administration
Indianapolis, IN
$2,000,000-2002
Design of a new 20,000 square foot Child Care Facility in Indianapolis on the site of Fort Benjamin Harrison.

City of Chicago/Cook County Child Care Facility
Chicago, Illinois
$2,000,000-2001
Design of 15,000 square foot facility in existing building to accommodate 120 children. Design incorporates outdoor play area in busy 'loop' location.

Jubilee Family Resource Center
Chicago, Illinois
$2,600,000-2002
Design of the 22,000 square feet child care center serves 180 children. This new facility contributes to the rebuilding of the Lawndale community.

Little Village Family Resource Center
Chicago, Illinois
$2,600,000-20002
22,000 square feet child care center addition to an existing facility for 180 children provides services in the Little Village neighborhood. The entire center serves 299 children.

Young Women's Leadership Charter School
Chicago Public Schools
Chicago, Illlinois
$1,000,000-2000, 2007 Facility Study
Design of 15,500 square feet school located on the campus of IIT. The focus of this school is math, science and technology. The need for a gymnasium addition to the school prompted a study by our firm to find adequate space for this growing school.

Chicago Public Schools
Big Shoulders Small Schools
Design Competition
$20,000,000-1999
Design of a 60,000 square foot new elementary school with elements of small schools, sustainable and universal design.

Chicago Public Schools
Schurz High School
Rehabilitation
$16,500,000-1999
Rehabilitation of National Register landmark building included masonry repair, window replacement, roof repair, reinsulation of building and interior remodeling. Interior work includes restoration of WPA Murals located in the library.

St. Norbert's Schools
Master Plan
Northbrook, Illinois- 1999
Space utilization study and master planning for school and church complex.

Queen of Peace High School
Technology Addition
Chicago, Illinois
$1,000,000-1997
Addition of two 5,600 square feet state of the art classrooms and renovation of existing 5,400 square feet classrooms to become a technology center.

Chicago Public Schools
Little Village Academy
Chicago, Illinois
$7,000,000-1996
Design of new 68,000 square feet, kindergarten through 8th grade school in Chicago's Little Village neighborhood.

St. Benedict's High School
Master Plan
Chicago, Illinois-1996
Space utilization study and master planning for elementary and high school to assist in determining optimum use and development of facilities.

The School of the Art Institute of Chicago
Columbus Drive Renovation
Chicago, Illinois
$800,000-1994
Renovation of Columbus drive building for administration and education functions. Also included is ADA design compliance, cafeteria, storage, coatroom, and information desk rehabilitation.

Chicago Public Schools
Rehabilitation
Curie High School
Chicago, Illinois
$1,200,000-1994
Ross Barney Architects designed corrective renovation of over 100,000 sf of brick tuckpointing, new expansion joints, parapet rebuilding and stress cracks and complete re-roofing of the entire building. Interior design of new storage areas and design of ADA compliance for access to public areas.

Cesar Chavez Elementary School
Chicago, Illinois
$5,500,000-1993
Design of a new, 64,000 sf kindergarten through 8th grade school. The design focuses on two issues; creating an identity for the new building and using the small urban site efficiently.

Evanston/Skokie School District 65
Kingsley School Reconversion
$2,097,526-1991
As part of the District's plan to provide more classrooms for its growing pupil population, reconversion of this moth-balled elementary school building was initiated. The renovation brings the existing building completed in 1970, to the current standards set by the state health/life safety and accessibility codes.

Evanston/Skokie School District 65
Oakton School Walkway
$300,000-1990
Design of enclosed walkway to connect freestanding kindergarten to main school building. Originally designed by Dwight Perkins with an addition by Childs and Smith, the building is an Evanston Landmark.

Evanston/Skokie School District 65
Rehabilitation Stage Lighting/5 Schools
$624,000-1990
Theater lighting for middle schools. This project was completed as a result of the Life Safety Survey we completed for the district.

Evanston/Skokie School District 65
Rehabilitation Communication Systems
$228,589-1989
Life Safety project included two new and three rehabilitation of clocks and communication systems.

Evanston/Skokie School District 65
Orrington Pre School Renovation
$200,000-1989
Upgrade of existing space to comply with state and local regulations for day care.

Evanston/Skokie School District 65
Administration Building Study
$30,000-1989
In response to overcrowded and dispersed administrative facilities within the district, this study analyzed the uses of this National Register landmark, through building surveys, interviews with personnel and cost analysis, options to achieve the most cost effective solution.

Evanston/Skokie School District 65
Nichols School Clock Tower Rehabilitation
$240,000-1989
Historic restoration included partial tear down and rebuilding of this Landmark clock tower.

Evanston/Skokie School District 65
Lincoln School Window Replacement
$140,000-1989
Life Safety project included replacement or repair of all existing windows.

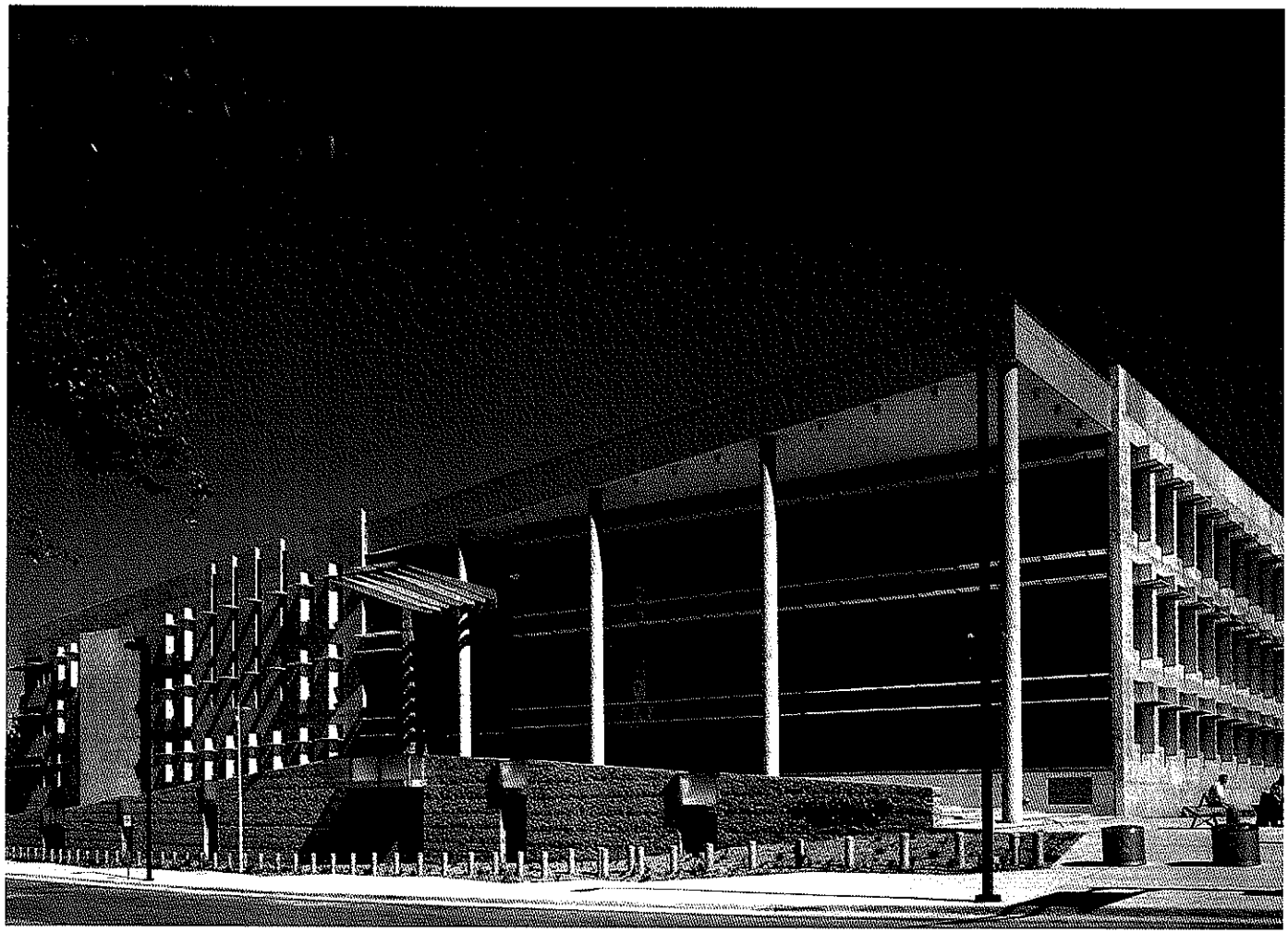
Evanston/Skokie School District 65
Washington School Window Replacement
$200,000-1989
Life Safety project included replacement or repair of all existing windows.

Evanston/Skokie School District 65
Middle School Additions Study
Study-1989
Planning and cost estimating for classroom additions to three middle schools.

Evanston/Skokie School District 65
Willard School Mobile Classrooms
$160,000-1989
Four temporary classroom additions to elementary school.

Chicago Board of Education
Elementary School
Chicago, Illinois
$4,500,000-Estimated 1987, Unbuilt
55,000 sf elementary school designed with functional pavilions arranged to form a courtyard containing the schools playgrounds.

_ project



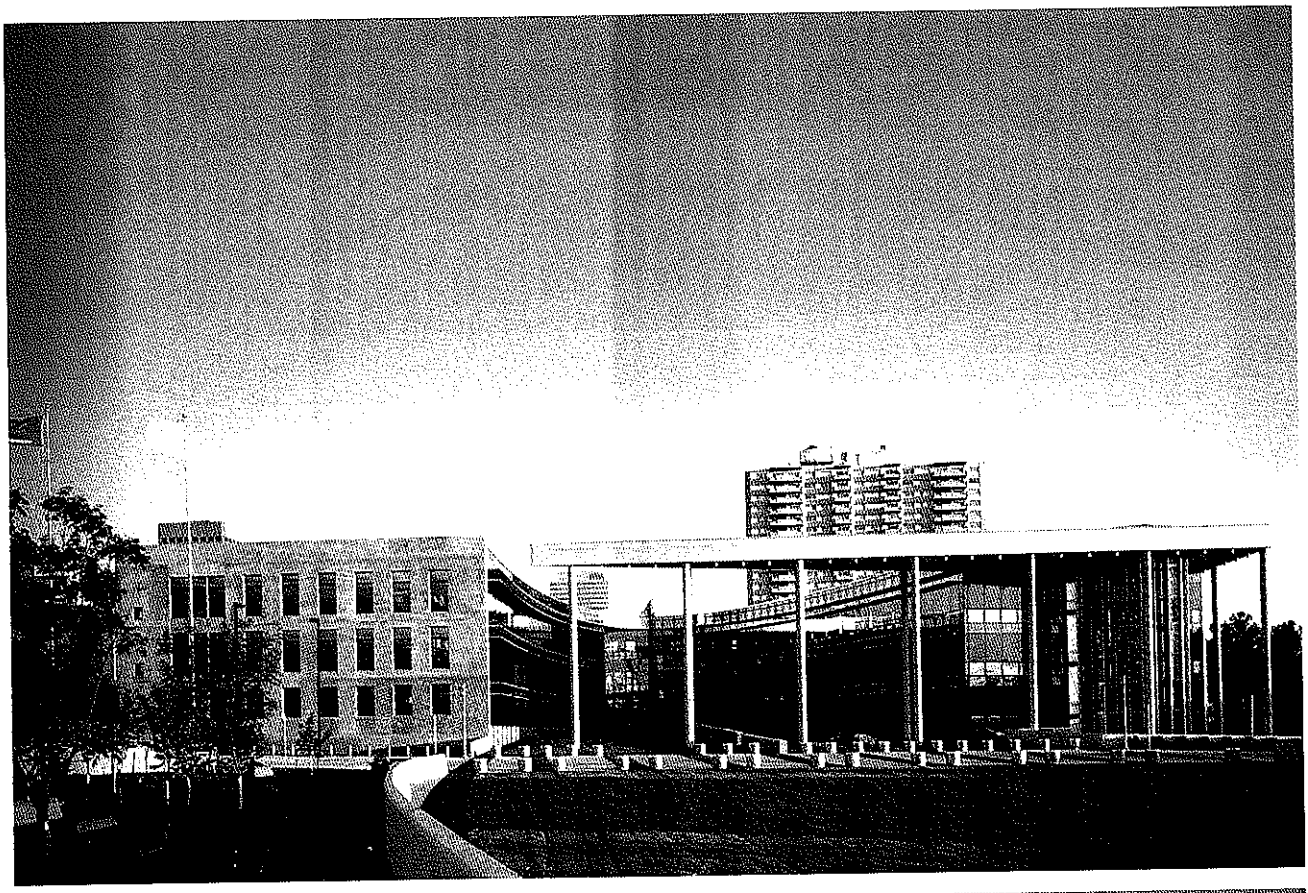
Oklahoma City Federal Building

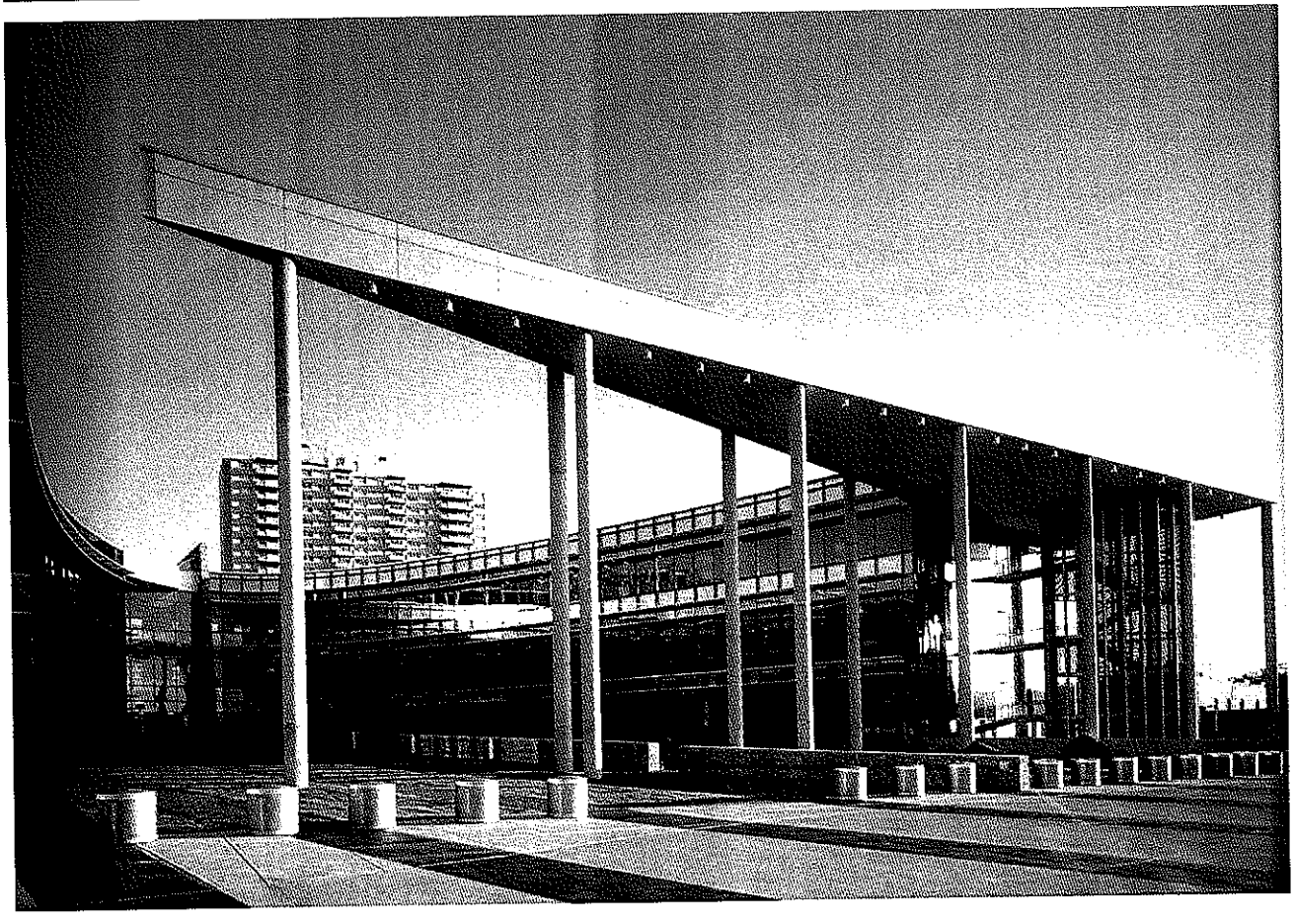
The devastation that was witnessed on April 19, 1995 will never retreat from the minds of Americans. 168 people perished in the aftermath of the bombing of the Alfred P. Murrah Federal Building. The General Services Administration immediately sought to replace the facility.

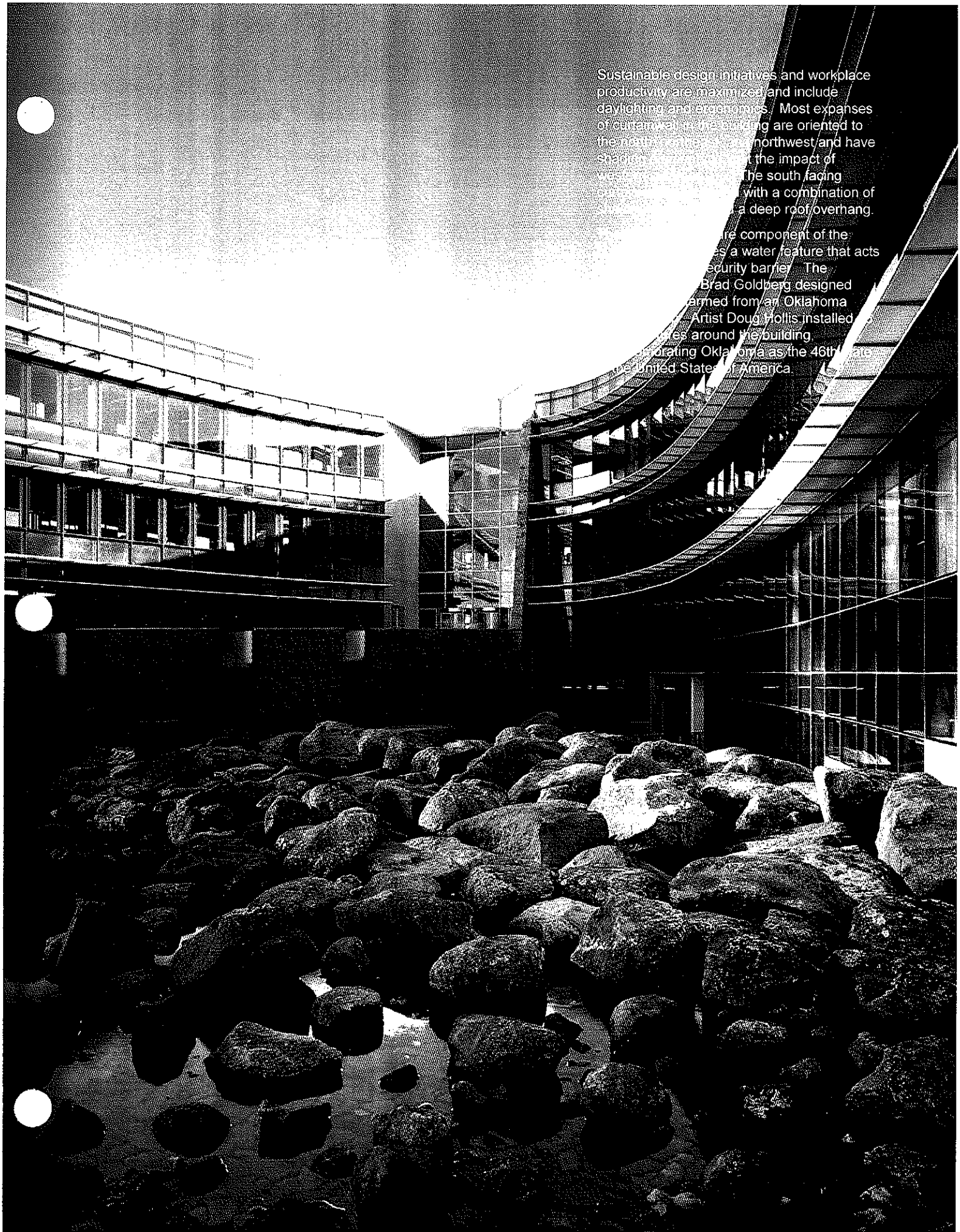
The building site is a transition zone between the Central Business District and the North Downtown neighborhood. Security design is paramount to the Federal employees and its neighbors. Building mass, glazing inside the courtyard, and bollards help to maintain a sense of security. This new facility is about the future, seeking to reunite the federal community and stand as a symbol of freedom.

The 185,000 square foot building is constructed on a 2 city block site, one block north and west of the former Murrah Building site. This neglected part of the city is plagued by surface parking lots and rare green space. To help the economic revitalization of the neighborhood, the historic city grid is maintained to encourage pedestrian and vehicular traffic creating active street life and a sense of community.

Security design was incorporated based on the GSA's current standards for secure facilities including blast resistant glazing and structural design that resists progressive collapse. The building was designed to receive an LEED Silver Rating.

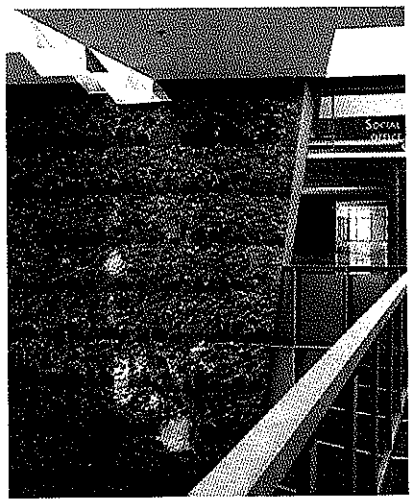


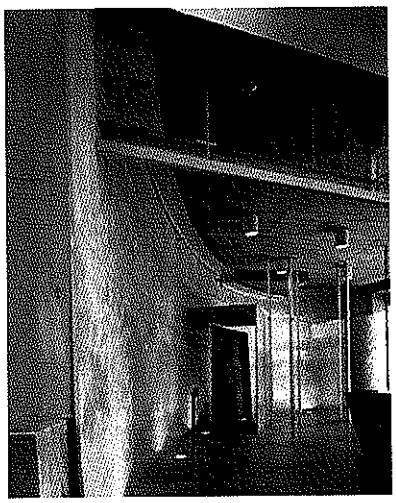


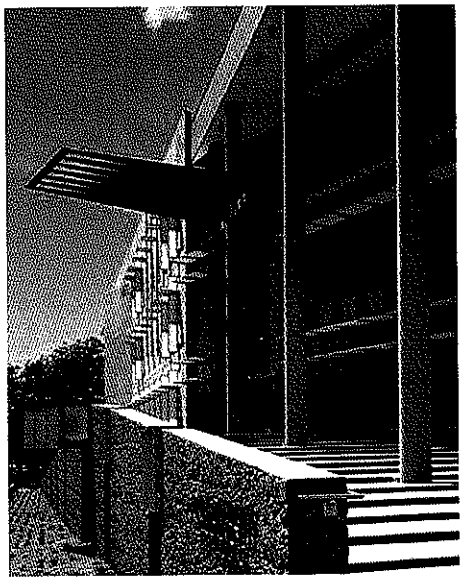


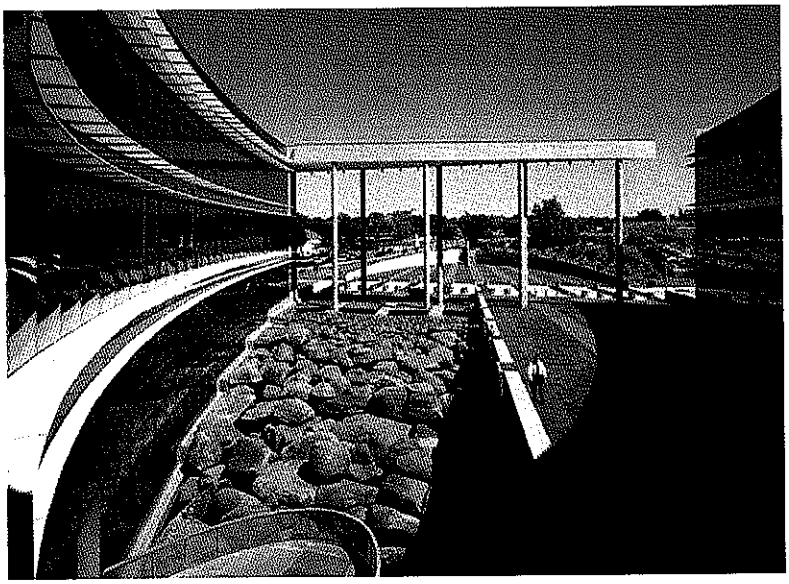
Sustainable design initiatives and workplace productivity are maximized and include daylighting and [illegible]. Most expanses of curtain wall on the building are oriented to the northwest and have [illegible] northwest and have [illegible] the impact of [illegible] the south facing [illegible] with a combination of [illegible] a deep roof overhang.

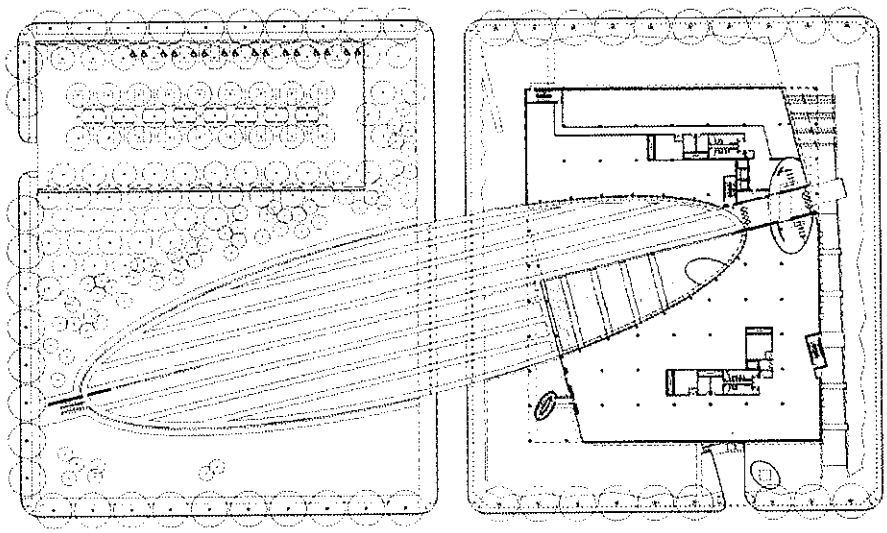
[illegible]re component of the [illegible]es a water feature that acts [illegible]ecurity barrier. The [illegible] Brad Goldberg designed [illegible]armed from an Oklahoma [illegible] Artist Doug Hollis installed [illegible]es around the building [illegible]orating Oklahoma as the 46th [illegible] the United States of America.











Floor/Site Plan

Security issues prohibit release of floor plans.

"Civic Action...Nine New Buildings", *Hinge* Magazine, Volume 133, 2006. 2005 Interior Architecture Award, American Institute of Architects Chicago. 2005 Divine Detail Award, American Institute of Architects, Chicago. 2004 Sustainable Design Award, American Institute of Architects Chicago. 2003 Excellence in Construction Award, Associated Builders and Contractors. Brian Foster, "Symbol of Strength", *Civil Engineering Magazine*, October 2004. Jane C. Loeffler, "Mission Accomplished: Oklahoma City's new Federal Building combines security and openness in a superior way", *Architectural Record*,October 2004.Charles Leroux, "The Peoples Architect: Structural Integrity", *Chicago Tribune Magazine*, May 30, 2004. Blair Kamin, "Can architects combine armor and aesthetics?", *Chicago Tribune*, May, 2004. Ray Smith, "The Aesthetics of Security, *Wall Street Journal*, February 19, 2003. Chuck Salter, "Built Brave", *Fast Company* Magazine, February 2002. Lisa Krieger, "Architects adapt to terrorism threat", *San Jose Mercury News*, September 18, 2001. Sara Hart, "Oklahoma City gets a new federal building", *Architectural Record* December, 2000. Cheryl Kent, "A Safer Federal Building for Oklahoma City", *New York Times*, August 22, 1999. Jerry Adler, "Keeping Bombers at Bay", *Newsweek* Magazine, May 11, 1998. Blair Kamin, "The Murrah Building's Replacement: In Search of a Secure Place", *Architectural Record* Magazine, June 1998. Ned Cramer, "Federal Campus, Oklahoma City, OK", *Architecture,* June 1999. "Federal Campus, Oklahoma City, OK", *Architectural Record*, June 1999. Blair Kamin, "Balancing architecture and a fear of terrorism", *Chicago Tribune,* March 23, 1997.

Construction Amount $34,350,000
Program 185,000 square foot
Date Completed 2004

Reference
Timothy Thury
Project Manager
General Services Administration
819 Taylor Street
Fort Worth, TX 76102
p.817.978.4315
f. 817.978.2577
e. tim.thury@gsa.gov

ABOUT THE FIRM

Scheeser Buckley Mayfield LLC is an Ohio-based Consulting Engineering firm that serves clients throughout Ohio and the surrounding states. The firm was established in 1959 by Walter L. Scheeser and Edwin J. Buckley, specializing in the design of mechanical systems for the construction industry. The firm has enjoyed a steady growth in clients and geographical area served throughout its history, and its services now include electrical, civil, and telecommunication design. Scheeser Buckley Mayfield is entering its 50th year of operation and has opened a downtown Columbus based branch office (January, 2009).

Scheeser Buckley Mayfield LLC has developed an outstanding reputation for both its accessibility to its clients and the clarity and completeness of its documents. The firm has been a leader in the application of new technology. It has extensive experience in the design and analysis of projects of all sizes, which it can draw upon for future projects. Each project requires an analysis of the most cost effective system available based on the client's design parameters. It is also the responsibility of the design team to determine if other options exist which may be beyond the scope of the current budget and which need to be considered on the current project to allow for future growth. Scheeser Buckley Mayfield LLC gives this personal attention to each project by determining the project design which can be implemented within the client's budget while applying innovative design concepts.

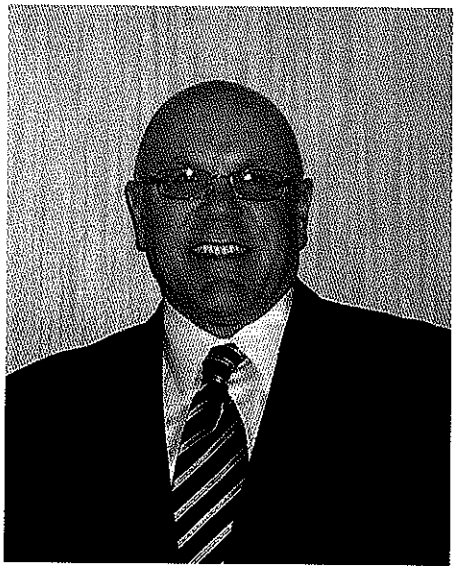
Many of Scheeser Buckley Mayfield's projects originate from clients who have used its services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional and competent engineering services to all of our clients and to develop a personal relationship with these clients. This on-going association with clients provides an opportunity for them to better understand design concepts as well as the logic behind the decisions which may affect their systems for many years after the project's completion.

1540 Corporate Woods Parkway
Uniontown, Ohio 44685

300 Marconi Blvd., Suite 306
Columbus, Ohio 43215

JAMES E. ECKMAN, P.E., LC, LEED AP, CBCP
PRESIDENT - ELECTRICAL ENGINEER

PERSONAL RESUME



Mr. Eckman attended The University of Akron where he received his Bachelor of Science Degree in Electrical Engineering in 1984.

After graduation, Mr. Eckman began his career as a consulting engineer by accepting a position as junior engineer with Kucheman, Peters and Tschantz, Inc., an electrical consulting firm in Akron, Ohio. During this engagement, he gained experience in the electrical design of commercial, industrial and healthcare facilities. Mr. Eckman also served as project manager for many of the projects he designed.

Concurrently, Mr. Eckman taught an electrical engineering course called "Illumination" at The University of Akron.

After leaving KPT, Inc. in 1987, Mr. Eckman gained additional experience in the construction industry by accepting the position of Engineer/Estimator for Thompson Electric, Inc. in Munroe Falls, Ohio. During this engagement, he designed and acted as project manager for several large industrial projects. He also earned electrical contractor licenses in several area communities.

Desiring to further his career as a consulting engineer, Mr. Eckman accepted a position of Senior Engineer with Scheeser Buckley Mayfield LLC in 1989. Mr. Eckman was promoted to the position of Associate in 1990, became a Principal in the firm in 1991 and Vice President of Electrical Engineering in 1992, and President in 2003.

Mr. Eckman was a member of the Institute of Electrical and Electronics Engineers for eight years and is currently an active member of the Electrical League of Northeastern Ohio and the Illuminating Engineering Society (IES). Mr. Eckman has served as Treasurer and President of the Cleveland/Akron IES section and a member of the Executive Committee for the Electrical League. Mr. Eckman served on the College of Engineering Advancement Council for The University of Akron from 2002 to 2004 and is currently serving as Secretary of The University of Akron Electrical Engineering and Computer Engineering Advisory Council as Vice Chairman.

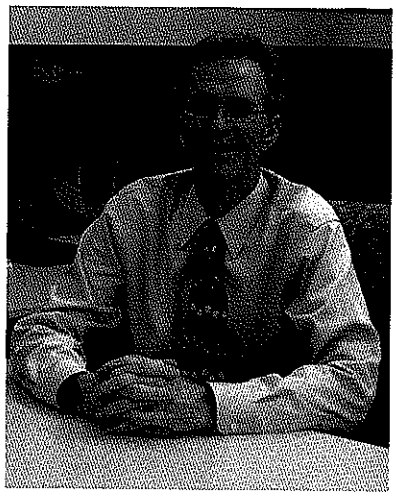
Jim is a LEED v2 Accredited Professional and is registered in the State of Ohio, West Virginia, Pennsylvania and Indiana.

In 2005, Jim received his Lighting Certification (LC) from the National Council on Qualifications for Lighting Professionals (NCQLP).

In 2009, Jim received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

MICHAEL P. WESNER, P.E., LEED AP, CBCP
VICE PRESIDENT - MECHANICAL ENGINEERING

PERSONAL RESUME



Mike is a graduate of Ohio State University in Columbus, Ohio. He received a Bachelor of Science Degree in Mechanical Engineering in 1981 and later that year joined the consulting firm of Scheeser Buckley Mayfield LLC which was then known as Scheeser*Buckley*Keyser.

During his first few years with the firm, Mike was heavily involved with the Title III of the National Energy Conservation Policy Act (NECPA). This governmental program was established as a cost sharing energy conservation grant programs. This program provided funds to study the operation of schools and hospitals to determine if there were ways to reduce their energy consumption. The program then funded energy conservation measures identified in the reports. As a result of this involvement in many audits and retrofit programs for public school buildings, college and university buildings and hospitals, Mike gained valuable experience in formulating and implementing energy conservation programs in buildings that result in real world savings. This experience carries on in the work that Mike does today.

Since the mid 1980's Mike's project experience has been concentrated in the following areas:

- Large hospital Expansion and remodeling projects.
- Hospital Boiler Plant / Chiller Plant replacement projects.
- University Laboratory projects, both new construction and renovation.
- University Classroom Facilities
- University Dormitory Facilities
- Animal research facilities.
- Secondary education facilities.
- Industrial facilities.
- Telephone / Communications buildings
- Recreation/Athletic Fitness Centers
- Worship Centers

On all of the above facility types, Mike has acted as the Principal in Charge for the firm. The Principal in Charge (PIC) is the single point of contact and is responsible to make sure the project gets done on time and on budget.

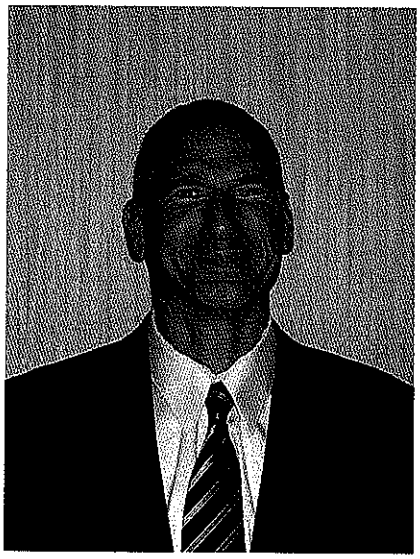
Other types of project experience Mike has had are listed as follows:

- Projects where SBM was the prime design professional hired by the Owner. Typically this has been for chiller plant/boiler plant or other type of main A/C system replacement. This work involved hiring the sub-consultants, preparing the budget/schedule, writing the "front end" specification documents and doing all of the day to day construction administration.
- Projects where SBM was hired to diagnose and correct mechanical system problems
- Projects where SBM was hired to do Mechanical and Electrical Construction Cost Estimating

Mike is a LEED™ 2.0 Accredited Professional and a member of ASHRAE, ASPE, NFPA and IBC. In 2009, Mike received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

KEVIN M. NOBLE, P.E., LEED AP
PRINCIPAL – CIVIL / PLUMBING ENGINEERING

PERSONAL RESUME



Mr. Noble attended the University of Akron where he received his Bachelor of Science degree in Civil Engineering in 1987 and continued his education through night school to receive his Masters of Business Administration from Averett College in 1991.

After graduating with a Civil Engineer degree, Mr. Noble accepted a position as a Water Resource Engineer at Dewberry & Davis, Inc., a top fifty engineering firm located in Washington, D.C. Mr. Noble was assigned to work on the firm's contract with the Federal Emergency Management Agency. His responsibilities included hydrologic and hydraulic analyses, flood plain delineations and storm water management facilities. Prior to leaving the company, he was promoted to project manager where he obtained valuable experiences in hydraulics and storm water control from projects involving the U.S. Army Corp of Engineers and Tennessee Valley Authority.

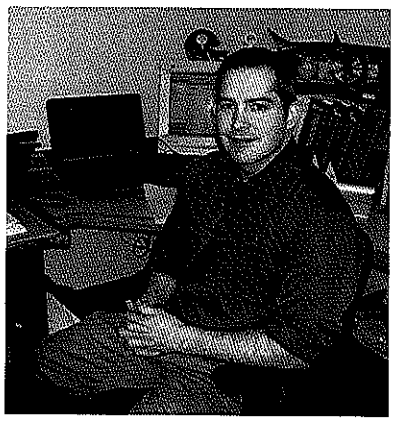
From Washington, D.C., Mr. Noble joined the staff of Elewski & Associates, Inc., a municipal civil engineering firm located in Independence, Ohio. There, he engineered a wide range of residential, commercial and industrial development projects and provided field support to facilitate timely completion of construction. Projects included public and private schools, athletic facilities, planned residential developments, multi-phased office parks, municipal building and retail centers. The site engineering involved design of water mains and pumps, sanitary sewers, force mains, pump stations and storm sewer and stormwater management systems. Prior to leaving, he was promoted to Village Engineer, in charge of plan review, infrastructure design, public work projects and construction inspection.

Mr. Noble joined Scheeser Buckley Mayfield LLC in early 1995 as a department head. Since that time he has participated and managed the design of numerous private and public civil and plumbing projects, including prisons, healthcare, utility companies, universities, municipalities, churches, schools and Federal Government. He attends local and national plumbing and civil conventions and seminars to stay in tune with current developing technologies.

Kevin is a LEED™ Accredited Professional and is registered as a Professional Engineer in the State of Ohio, the State of West Virginia, the State of Florida, the State of South Carolina, the State of Pennsylvania, the Commonwealth of Virginia and the Commonwealth of Kentucky and is a member of the American Society of Civil Engineers, American Society of Plumbing Engineers, and the National Fire Protection Association.

JOE HARLESS, RCDD
SENIOR TELECOMMUNICATIONS DESIGNER

PERSONAL RESUME



Mr. Harless has been in the telecommunications industry since he left the construction field in 1991 to install security alarms, fire alarms, CCTV systems, access control systems, CATV cabling, UTP and fiber optic structured cabling, voicemail systems, KSU's, and network electronics for GBS Computer & Communication Systems.

In 1993, Mr. Harless became a Project Manager for GBS where he supervised and coordinated all major installations. During this time he received training and certifications from many manufacturers to ensure GBS' ability to offer extended warranties for their installations.

In 1997, Mr. Harless accepted the position as Network Designer at GBS. There, he performed design, engineering and estimating duties for all GBS' structured cabling and networking projects. In addition to these functions, he provided technical training and support to the field technicians and was responsible for the research and selection of all materials, tools and test equipment.

He received the designation of Registered Communications Distribution Designer (RCDD®) from the Building Industry Consulting Services International (BICSI®) organization in 1997.

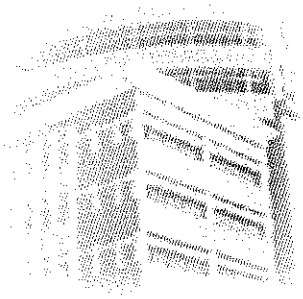
Mr. Harless joined Scheeser Buckley Mayfield LLC in July, 2002 as the Senior Telecom Designer and performs the majority of our structured cabling, networking, AV, VoIP and Security System designs.

Bicsi™
INDIVIDUAL
MEMBER

Bicsi™
RCDD

SHELLEY
METZ
BAUMANN
HAWK

STRUCTURAL ENGINEERING



Shelley Metz Baumann Hawk, Inc. specializes in providing quality structural engineering services for architects, contractors and building owners. Our commitment to providing quality services since 1972 has resulted in exceptional experience with all building types including:

- **Educational**
- **Institutional**
- **Religious**
- **Commercial**
- **Recreational**
- **Residential**
- **Healthcare**
- **Public Projects**

As a full service structural engineering firm **Shelley Metz Baumann Hawk, Inc.** provides the following services:

- **Design and documentation of building projects including new construction and renovations using steel, concrete, masonry and wood.**
- **Analysis and inspections of existing structural systems**
- **Failure Analysis and Investigations**
- **Expert Witness Testimony**
- **Foundation Systems**
- **Feasibility Studies**
- **Code Analysis**

The firm and individual staff members are committed to providing service of the highest quality. The key to success of any project is balanced design, functionality and costs. We work closely with our clients to ensure that the structural design compliments each building.

The leadership team of **Shelley Metz Baumann Hawk, Inc.** has over 120 years of combined experience in structural design.

Shelley Metz Baumann Hawk, Inc. enjoys the challenge of developing creative structural engineering solutions.

We listen to our clients.

1166 Dublin Road Suite 200 Columbus, Ohio 43215
T 614 481-9800 F 614 481-9353 www.smbhinc.com

ROBERT A. BAUMANN, P.E. - VICE PRESIDENT

Shelley Metz Baumann Hawk, Inc.

Project Role: Principal/Project Manager

DEGREES/REGISTRATION/EXPERIENCE

Bachelor of Science, Civil Engineering, The University of Cincinnati - 1980
Structural Design Certificate, The University of Cincinnati - 1980
Master of Science, Civil Engineering, The University of Cincinnati - 1981
Registration: Ohio, Georgia, Kentucky, Iowa, Nebraska, Nevada, Oregon, South Carolina, Washington, West Virginia
Member:
- American Institute of Architects (AIA) – Affiliate Member
- American Society of Civil Engineers
- American Concrete Institute
- American Wood Council, Design Professional Member
- Structural Engineers Association of Ohio – Charter Member
- St. Elizabeth Church – Finance Committee Chairman
- American Institute of Steel Construction – Design Professional Member

BACKGROUND SUMMARY

Mr. Baumann has been employed in the consulting structural engineering business since 1981. His prior office and field experience with a registered land surveyor contributes to his knowledge of the design and construction process. His work experience with a general contractor included the construction of building types built of reinforced concrete, steel, wood, masonry and precast concrete. Mr. Baumann has designed new buildings as well as additions and large renovation projects.

Mr. Baumann is experienced in the design of structures built from many types of construction materials including post tensioned concrete. His many years of experience allow him to design innovative, economical, and serviceable structures. Mr. Baumann is experienced in investigative work for adaptive reuse of existing structures. He has provided field observation during construction of many of the projects that he has designed.

PROJECT RESPONSIBILITIES

As Project Manager, Bob will be the primary point of contact for the project. He will provide design input during the conceptual and schematic design phases. Bob will lead the scheduling of the project and coordinate with the Project Engineer for the design and production of the construction documents. He will be involved with the project from beginning to end and provide quality control for the final documents. Bob will coordinate with the design team and participate in the construction administration of the project.