

Children's Health

EYP/

EYP is the leading architecture and engineering firm developing new ideas and design solutions with mission-driven clients in higher education, government, healthcare, and science & technology.

Our clients are in the business of changing lives for the better: promoting peace and prosperity; educating the next generation; transforming the healthcare experience; driving discovery and innovation; and protecting the environment. They expect their buildings to have as profound an impact on human behavior and performance as they do on energy and the environment – that’s why they come to EYP.

We believe the built environment empowers our clients to succeed – as individuals and organizations – and that their success should be a key measure of building performance. Our interdisciplinary Total Impact Design approach helps clients achieve their mission.

We begin by understanding the “whys” driving every client’s vision, needs, and goals. We encourage our clients to be ambitious – to imagine a future where expectations are achieved and even surpassed. The design we co-create is realized through creative collaboration and an iterative process tested and informed by rigorous research. Long after project completion, we continue to partner with clients to measure and analyze how a building contributes to the ongoing success of their mission.

EYP design innovation is characterized by our dedication to:

People – *liberating potential to transform human performance*

Purpose – *actively helping clients advance their mission*

Planet – *maximizing available resources to advance sustainability*

Inspired by our clients, design is how we make a positive impact on the world.



CHILDREN'S HEALTH

EYP leads the design of leading-edge facilities for children that promote wellness, facilitate the delivery of care, and support family-centered medicine. We have a passion for working with clients whose operational and facility goals involve families as active participants in the healing process. Inspired by our clients' mission and informed by the research indicating a strong relationship between the built environment and clinical outcomes, our designs:

- respond to the scale of children
- welcome and accommodate families
- creatively respond to different age groups and diverse cultures
- promote visibility, security, and safety
- are flexible and adaptable for the future

We believe that integrating environmental graphic design helps reinforce the atmosphere of healing and enhances the patient and family experience. Over 20 years ago, we were the first to integrate technology for education and entertainment into children's hospitals. Colorful and dynamic, interactive environments enhance young patients' journey to health and wellness by allowing them a sense of control over their situation and a welcome distraction from treatment.

Promoting human health and well-being through design is how we help our clients realize their vision to improve healthcare delivery and patient outcomes.

Contact

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*"Mankind owes to the child the best it has to give."
– United Nations Convention on the Rights of the Child*

Nemours Healthcare Campus Orlando, FL
Children's Hospital



Pediatric healthcare delivery in Central Florida has been transformed by a new hospital that uniquely aligns outpatient and inpatient care, and features the area's only emergency department designed especially for children. The sleek, modern design showcases an exceptionally family-focused program with leading-edge technology, as well as research and education facilities.

Our collaborative design process actively involved parents and children, as well as medical staff and administrators. Because familiar faces and continuity of care are reassuring to patients and families, ambulatory and acute care spaces for medical specialties are housed in adjacent wings of the same floor with shared waiting spaces. Whether hospitalized or visiting a clinic, children see the same physicians and clinical staff.

Private patient rooms provide home-like overnight accommodations for parents. Elevator lobbies include amenities like laundry facilities and a concierge station. Lounges, playrooms, rooftop terraces, interactive water features, a discovery garden, and an outdoor stage contribute to a holistic healing environment.

Sited in a 60-acre health and life sciences park, Nemours is one of only three LEED Gold-certified pediatric hospitals in Florida. Sustainable design features, including green roofs and sunshades, promote occupant health and comfort while providing energy savings of 22% beyond ASHRAE 90.1.

We were Design Architect and Architect of Record in collaboration with Perkins + Will.

- 630,000 GSF
- 95 beds and shellspace for 32 more
- 76 Exam Rooms and shellspace for 24 more
- NICU, PICU
- 17 design awards





University of Virginia Health System Charlottesville, VA
The Battle Building at UVA Children's Hospital



Two distinct healthcare units – Outpatient Surgery and Outpatient Children’s Hospital Clinics – are united in this campus gateway building, the 21st-century descendant of Thomas Jefferson’s iconic rotunda. The design organizes 36 specialty clinics into interdisciplinary, multi-functional care neighborhoods.

Complementary clinics are conveniently collocated so that multiple caregivers can attend to patients in one place, rather than requiring patients to go from one clinic to another. To simplify wayfinding for children and families, floors are organized with environmental graphics that tell the story of UVA and Charlottesville. The child-focused facility uses static displays and interactive features to engage young patients with a storytelling theme that highlights classics of children’s literature including Charlotte’s Web, Curious George, and The Jungle Book.

The program features a “Main Street” of amenities; 40-foot-long interactive storytelling walls in each of the four upper-floor waiting rooms; and family activity areas.

Odell Associates were Architect of Record.

- LEED Gold certified
- 200,300 GSF
- 75 examination rooms
- 12 operating rooms
- 36 specialty clinics
- IIDA Best of the Best Awards - Healthcare Award of Merit Large Healthcare
- AIA Honor Award - Richmond, VA





University of Chicago Hospitals Chicago, IL
Comer Children's Hospital



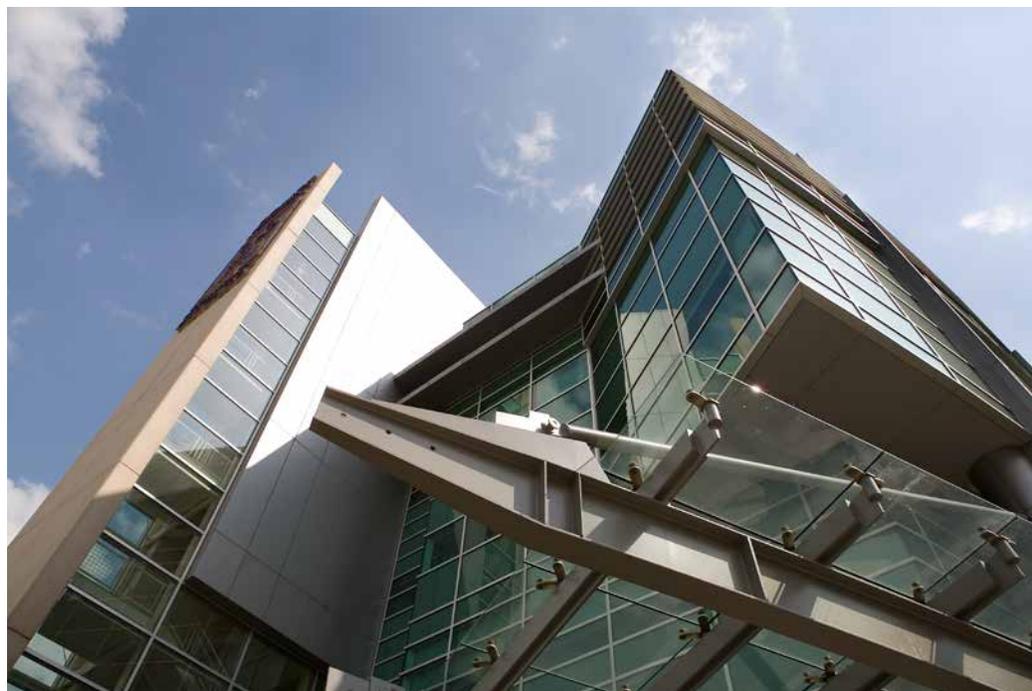
Families and young patients who enter the Hospital find world-class healthcare in a compassionate, wholly child-centered environment. To fulfill the client's vision of continuously advancing pediatric care, the design relates to the needs and imagination of children, as well as to the requirements of pediatric medicine's rapidly advancing technologies.

The design fosters confidence in the promise of modern medicine while being open and welcoming. State-of-the-art equipment and facilities coexist with inviting spaces to play and learn, as well as home-like patient rooms that accommodate overnight family stays. Other family-friendly spaces include a kitchen, resource center, and outdoor playground.

The contemporary architecture reinterprets the Collegiate Gothic vernacular of the campus. The design combines glass curtain wall with pre-cast concrete columns and panels to create a complex and dynamic form of overlapping masses – soaring steel “buttresses” that complement neighboring structures. These bold forms are counterbalanced by fine details referencing the client's legacy of education and research. Subtle patterning in the pre-cast concrete panels recalls the large and elaborate typefaces characteristic of many children's books, or the ivy that adorns many buildings on campus. Two main stair towers anchor the structure like bookends on the north and south ends.

HLM Design (Proteus) was Architect of Record.

- 242,000 GSF
- 6 floors
- 155 beds
- Family amenities
- The Center for Health Design Annual Healthcare Environment Award
- American School & University Architecture Competition





St. Jude Children's Research Hospital Memphis, TN
Kay Research and Care Center



Inventive and engaging, the modernized facility complements world-class pediatric care with magic and whimsy to create a holistic healing experience. Immersive experiential design sparks children's imagination, distracting them from the stress of their lengthy hospital stays by inspiring and supporting play.

The design reimagines the 50-foot-long corridors leading from elevators to treatment areas as interactive "Journey Walls" with LED curtains and immersive audiovisual systems. Each of the three floors guides children and their families through a unique experience – Nature's Orchestra, Discover the Sea, and Explore Space – whose theme is richly realized through environmental graphics, custom interactive games, and every aspect of the interior design.

Each of the three renovated floors houses a unit of 17 family suites with home-like rooms for parents as well as patients. To encourage children to get out of their rooms and socialize with others, patient corridors feature interactive shadow boxes and "Discovery Walls," whose nine flat-panel LCD displays are programmed for gestural interactive play.

The centrally located Imagine Room, whose interactive screen curves into the ceiling, allows children to enjoy virtual experiences such as soaring through space, flying above trees, or swimming with fish.

Evans Taylor Foster Childress was Architect of Record.

- IES (Illuminating Engineering Society of North America) Illumination Award
- IIDA Award for Healthcare Renovation - Tennessee Chapter
- IIDA Best of All Design - Tennessee Chapter
- IIDA Best of the Best Awards - Overall - Georgia Chapter
- IIDA Best of the Best Awards - Large Healthcare - Georgia Chapter





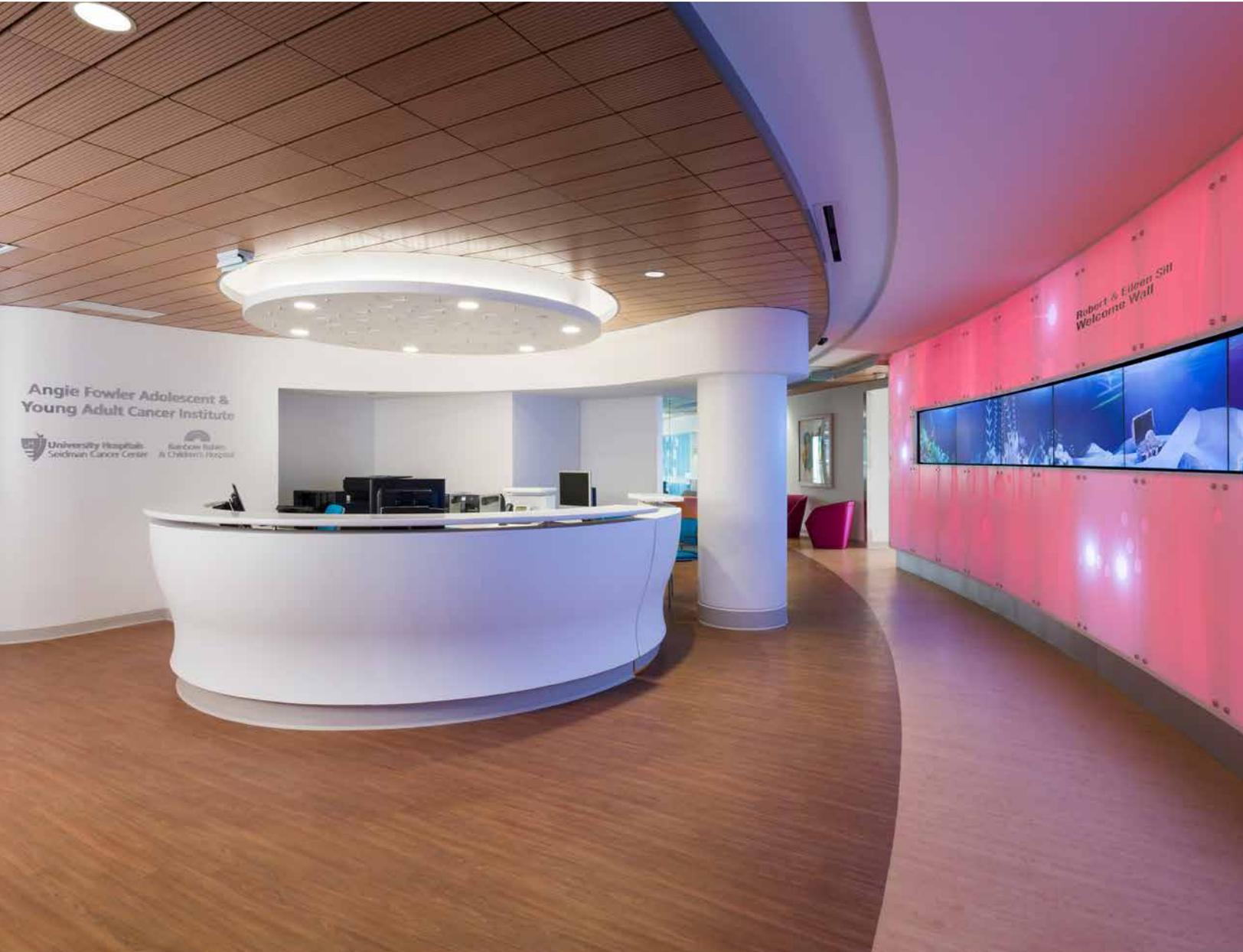
DISCOVER GOVERNMENT

Design Center



University Hospitals Rainbow Babies & Children's Hospital Cleveland, OH

Angie Fowler Adolescent & Young Adult Cancer Center



One of the nation's top-ranked children's hospitals now offers adolescent and young adult cancer patients an innovative outpatient experience that meets their distinctive treatment and social needs. Our team worked closely with medical staff, patients, families, and the Fowler family – the donor in whose daughter's memory the Institute was named – to create an innovative environment that has proven effective both in treating patients and in attracting top cancer researchers and physicians.



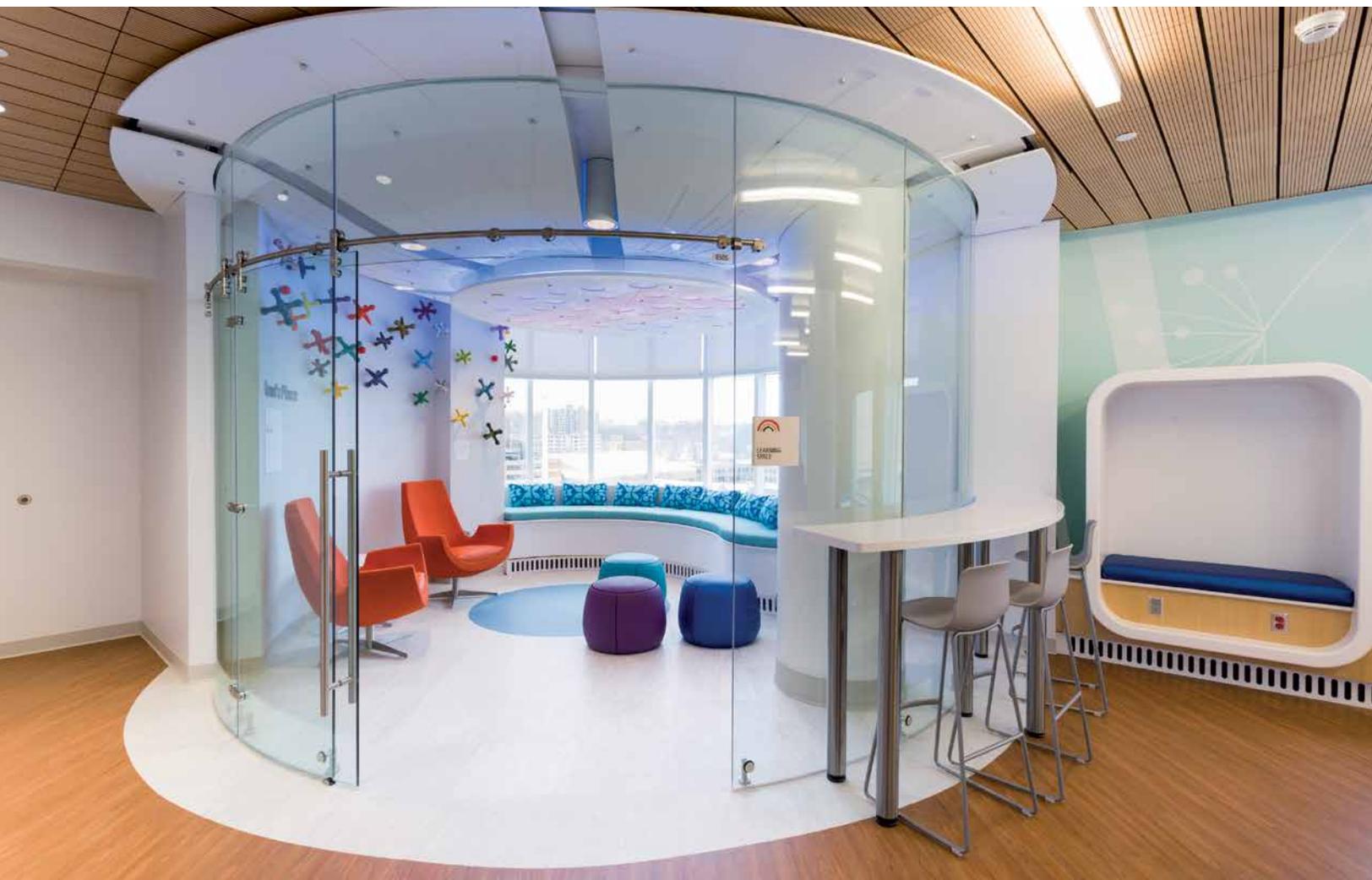
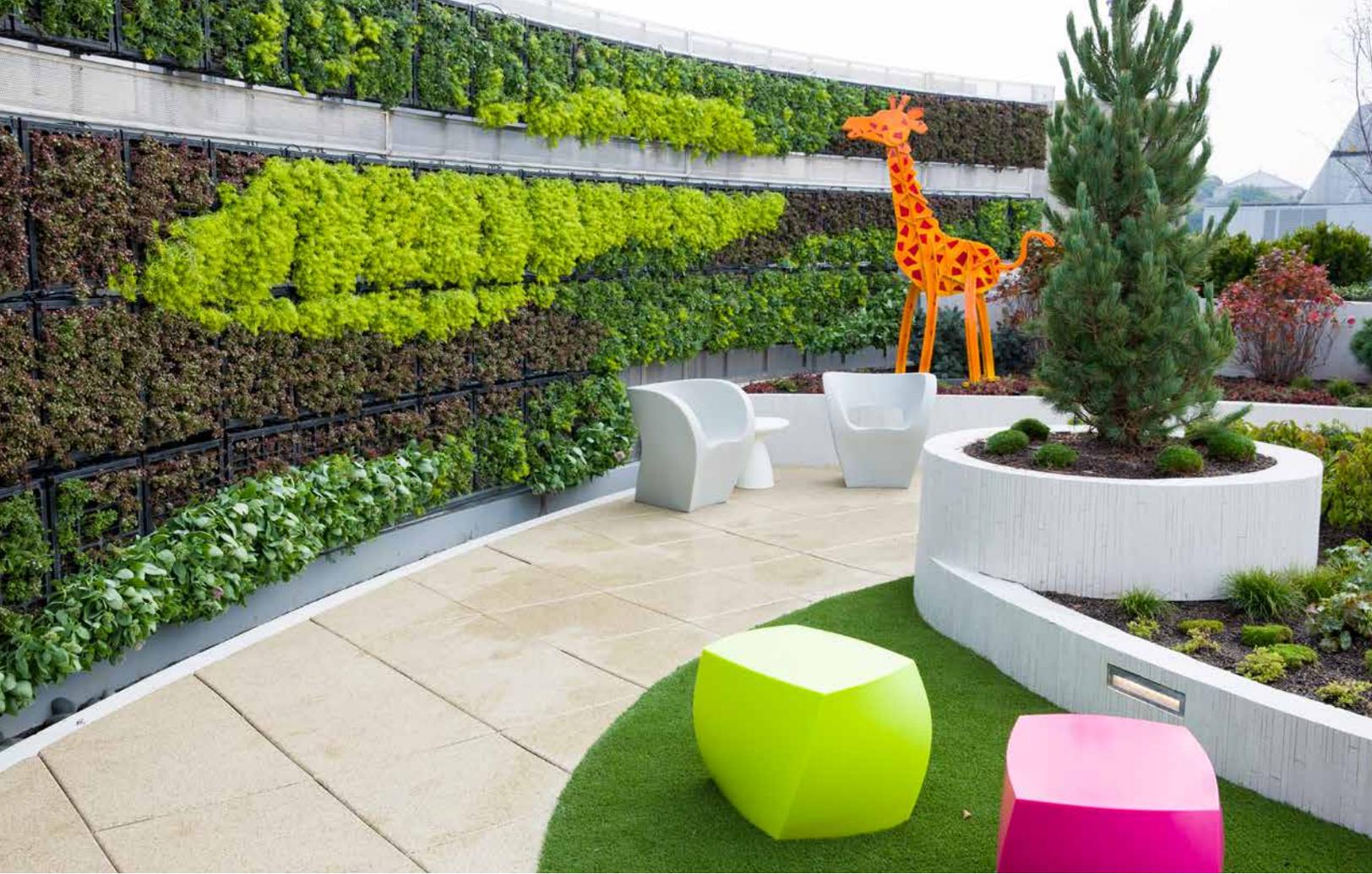
The design transforms the eighth floor of Rainbow Babies & Children's Hospital into a "journey of light and healing" through various zones of interaction. Patients follow the 60-foot-long illuminated "welcome wall" from the lobby to one of two treatment wings and a decentralized-care team station adjacent to treatment and examination rooms. Possible stops along the way include waiting areas, consultation and meeting rooms and a pharmacy, as well as a teen lounge where patients can hang out together or retreat on their own.



The rooftop Angie's Garden, with animal sculptures and landscaped seating areas, offers an imaginative escape from the clinical environment.

- 18,500 GSF modernization
- 7,500 GSF rooftop healing garden
- 25 Treatment & examination rooms
- Consultation & meeting spaces
- Teen lounge
- Pharmacy
- Healthcare Environment Award, *Contract Magazine* - Honorable Mention
- IIDA Best of the Best Awards - Small Healthcare





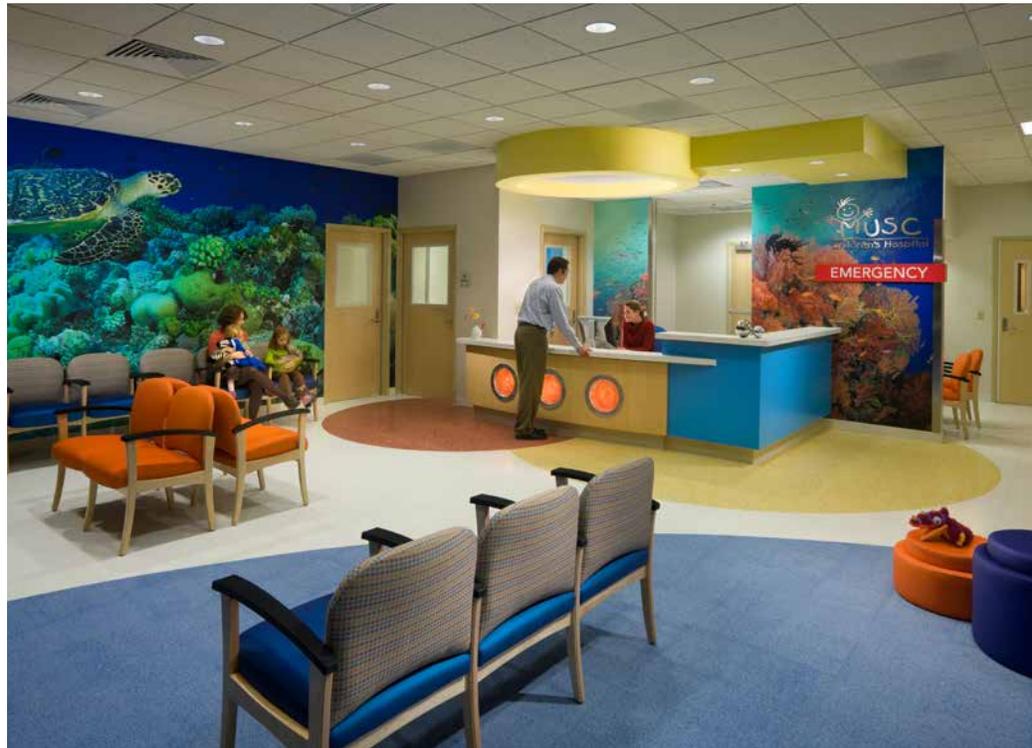
Medical University of South Carolina Charleston, SC

Children's Emergency Department

A unique, child-friendly environment enhances the healthcare experience for children and their families in this modernized facility. The renovation enables the client, ranked in the Top 10 for emergency care, to streamline healthcare delivery with more beds and convenient bedside registration.

Engaging environmental design offers children a welcome distraction from the stresses of treatment. Against a clean and crisp background of soft whites and sunny yellows, vividly colored graphics of sea life welcome patients into exam rooms spaces and give the privacy glass of the Nurses Station a friendlier feel. The inventive theme is integrated throughout the space to enhance wayfinding.

Rosenblum + Coe was Architect of Record.



Kennedy Krieger Institute Baltimore, MD
Harry and Jeanette Weinberg Center for
Developmental Disabilities



This award-winning facility is an oasis of hope and confidence for children and adolescents with brain and spinal cord difficulties, as well as an affirmation for dedicated caregivers and staff. Dynamic design seamlessly integrates building, interior, and landscape to create a holistic healing environment. The new building collocates research, education, and therapeutic outpatient services that had previously been housed in scattered locations of the Kennedy Krieger Institute, an affiliate of the Johns Hopkins School of Medicine.

Glass walls advance the Center's mission by showcasing its work to the city while admitting daylight and views. The block-long therapy garden – organized into distinct "rooms" devoted to mobility activities for young patients, and respite for families and staff – simultaneously respects the need for privacy and proclaims the Center's presence. The design was conceived to express therapy in its form and mass, research in its curtain wall, and hope in its transparency.

Essential facilities, including examination rooms, therapy pools and gyms and a conference center, are accessed through the expansive two-story lobby whose organic shapes, nature-inspired colors, and invitingly tactile materials extend a soothing welcome. A multi-functional treatment area accommodates occupational and physical therapy, speech and audiology therapy, and an Activities of Daily Living (ADL) suite.

- 115,000 GSF
- 40 examination rooms
- Physical therapy, spinal cord therapy & sensory integration gyms
- OT/PT/speech/audiology/ADL suite
- Conference center
- Modern Healthcare/American Institute of Architects Design Award – Honorable Mention
- ASID Design Excellence Award (Healthcare) – Gold
- IIDA Best of the Best Awards (Healthcare) – Top Honor
- *Contract Design Magazine*, Honorable Mention (Healthcare Environment)





Baptist Medical Center Jacksonville, FL

J. Wayne and Delores Barr Weaver Tower,

Wolfson Children's Hospital

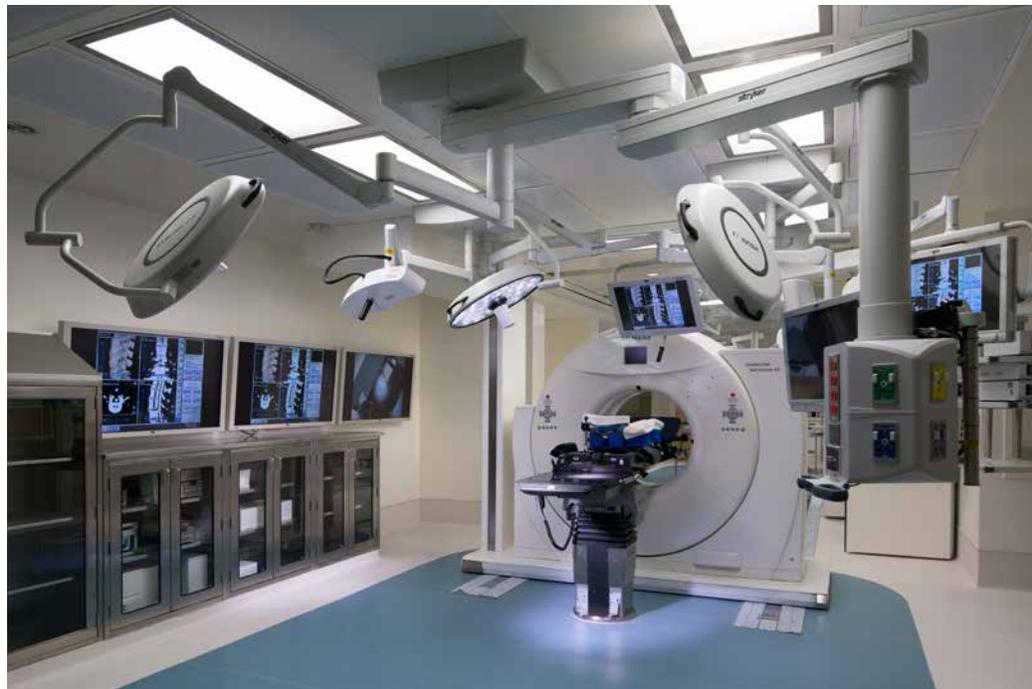


An expansive new building enables the only full-service, tertiary pediatric hospital serving North Florida, South Georgia and the Florida Panhandle to better meet the needs of its rapidly growing regional population. The design strengthens connectivity with nature to create a pleasant and calming atmosphere that research demonstrates can positively influence patient outcomes.

The lower levels of the tower house specialized spaces including pediatric cardiovascular intensive care; intraoperative MRI and CT scan surgical suites; a new pediatric behavioral health unit; and the Baptist Neuroscience Institute for children and adults. Nature motifs and interactive graphics, highlighting rivers, forests, and grasslands inspired by the surrounding landscape, enhance the building experience to promote a holistic healing environment.

At 300 SF, patient rooms are nearly twice as large as those in the client's existing facilities, comfortably accommodating families in home-like settings whose child-focused designs feature unique animal themes. Exterior horizontal sunscreens along the south-facing curtainwall help manage glare and solar gain, decreasing building load to save energy. The building offers spectacular views of the St. Johns River.

- 300,000 GSF
- 11 stories
- 216 beds
- Intraoperative MRI/CT suites
- Behavioral Health
- Cardiovascular Care
- Hematology/Oncology
- Neurology & Neuroscience
- AB&C FFC, Project of the Year
- ENR Southeast, Best Project (Merit)





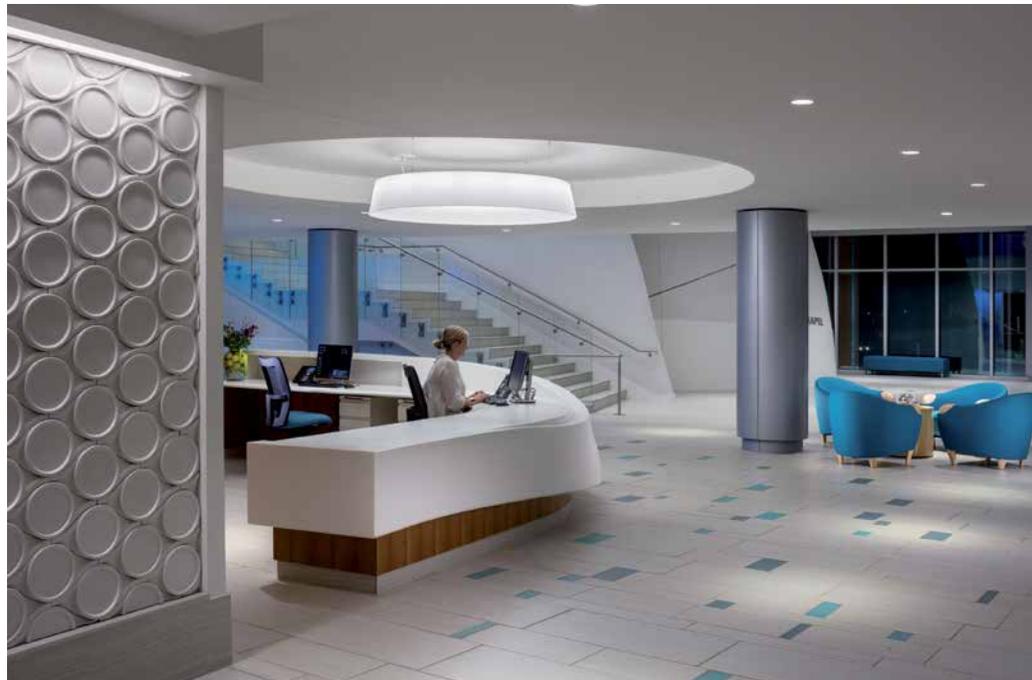
CHRISTUS Santa Rosa San Antonio, TX
Children's Hospital of San Antonio



Transformational design reinvents an adult and pediatric facility as a family-friendly children's hospital – the first in the region dedicated solely to pediatric care. A translucent “Spirit of the River” feature wall sets a tranquil mood as it guides patients and visitors through the building. Inspired by the therapeutic qualities of water, the design concept suggests hope in the healing process while referencing San Antonio’s River Walk and the client’s missionary legacy.



The parti organizes “on-stage” and “off-stage” circulation spaces to separate clinical care and public spaces from places where staff transfer patients or enjoy quiet breaks to facilitate security, enhance operational efficiencies, and reduce noise within clinical areas. To further improve security, the building now has a single public entry – a new lobby whose informal gathering and dining spaces encircle a sculpturally formed chapel.



Spacious and full of light, private patient rooms offer young patients and their parents a reassuringly home-like atmosphere. Family amenities and educational spaces include a demonstration kitchen, where Child Life Service staff host healthy cooking classes. Phased to minimize disruptions to hospital operations, the project reimagined and relocated nearly every department.

We were Architect of Record and Project Architect in association with Overland Partners of San Antonio.

- 400,000 GSF modernization
- 10,000 GSF new
- 195 beds
- Neonatal Intensive Care
- Pediatric Intensive Care
- Pediatric Intermediate Care
- Hematology/Oncology
- Surgical Suites
- Rehabilitation
- Women’s Services
- Illumination Awards - Award of Merit





Children's Healthcare of Atlanta Atlanta, GA
Egleston Campus



Environmental graphic design and interactive features reinvent the hospital experience in this modernized and expanded facility on the Emory University campus. The high-tech, high-touch interiors embody the client's brand as a leader in patient-focused pediatric care.

This family-friendly hospital collocates dozens of specialty clinics to streamline healthcare delivery and enhance the hospital experience for children and their families. Bright and playful nature-themed interiors educate and entertain young patients, distracting them from illness and treatment and giving them a calming sense of control over their own experience.

Design highlights include electronic feature walls in the main lobbies and video aquarium walls incorporating IMAX® film footage. The innovative program includes Nadia's Room, a home-like facility easing patients' transition from hospital care, and the Stair Gym, a six-story staircase that functions as a symbolic and therapeutic mountain climb.

We were Design Architect in collaboration with Architect of Record HKS Architects.

- 473,800 GSF
- 305 beds
- Transplant Center
- Classrooms
- Library
- Parent Lounge
- Broadcast Media Center
- *Contract Design Interiors Award, Healthcare (large)*



Children's Healthcare of Atlanta Atlanta, GA

Scottish Rite Campus



Renewed and expanded facilities consolidate dozens of specialty clinics within a family-focused environment to enhance the patient experience and pediatric healthcare delivery. The program features a full complement of amenities for parents and visitors, as well as bright, child-friendly interiors rich in nature-themed education and entertainment.

The design balances high-tech and high-touch to support the highest level of care while helping to mitigate stress. Storytelling walls, murals and other special installations engage children's imagination. Electronic feature walls in the main lobbies, video aquarium walls incorporating IMAX® film footage and similar interactive features serve a therapeutic value by offering young patients a welcome distraction from treatment and the opportunity to take control of their experience.

Unique spaces include Nadia's Room, a home-like facility designed to ease patients' transition from hospital care, and the Stair Gym, a six-story staircase designed as a therapeutic and symbolic mountain climb.

We were Design Architect in collaboration with Architect of Record HKS Architects.

- 392,000 GSF modernization & addition
- 250 beds
- Activities Center
- 5 gardens
- ASID Georgia Chapter Design of Excellence Awards - Healthcare, Gold Award for Product/Custom Design





Palmetto Health Columbia, SC
Children's Hospital

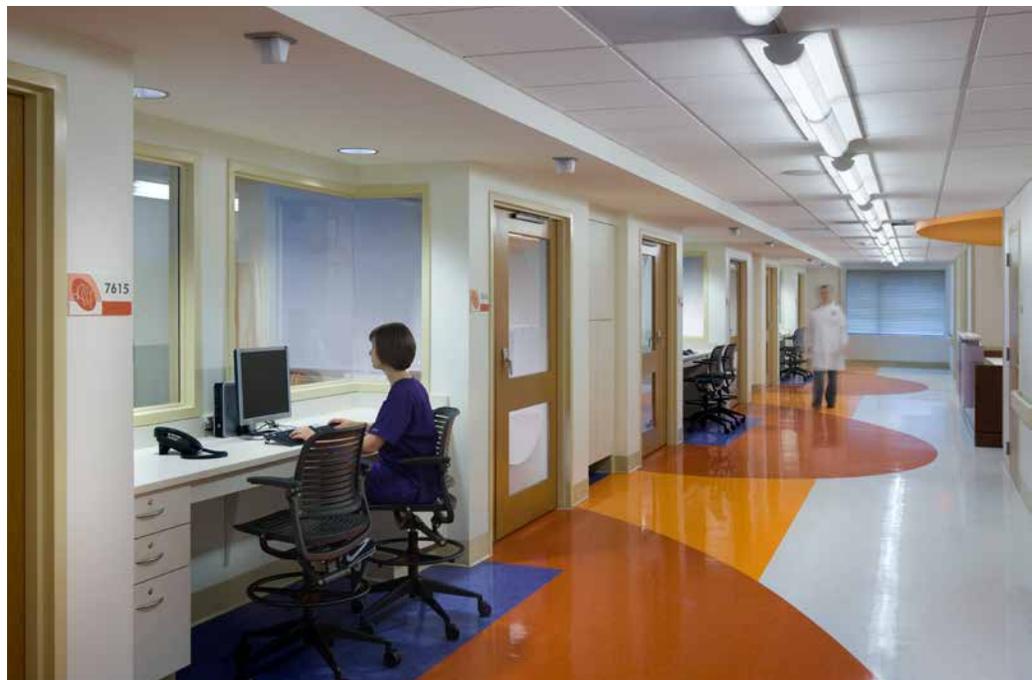


Realizing the client's vision for a dedicated facility expressly designed for children, this high-profile project transformed the highly desirable Seven Richland Medical Park building into a new pediatric hospital, creating the region's only children's emergency center. Prominently sited adjacent to the main hospital, the facility collocates inpatient and outpatient children's services in a comfortable, family-centered environment.

Reflecting the client's commitment to the environment as well as its community, the design celebrates the diverse plants and animals in the natural world, establishing a visually experiential relationship to the nearby Riverbanks Zoo and Botanical Gardens. To enhance the healthcare experience and ease the stress of treatment and hospitalization for children and their parents, all patient rooms are private, and the facility provides a range of family amenities. Each floor showcases a different natural habitat, with its own theme color, graphic icons, customized signage, and "discovery wall," to captivate the imagination of children.

JHS Architecture were Architect of Record.

- 150,000 GSF
- 96 beds
- Family Amenities
- Educational Center
- Society for Environmental Graphic Design - Merit Award
- IIDA Best of the Best Awards - Healthcare, Top Honor in Healthcare





Up
Admissions & Registration
Hematology
Oncology



CHRISTUS St. Frances Cabrini Hospital

Alexandria, LA

Women's & Children's Hospital with Emergency Dept



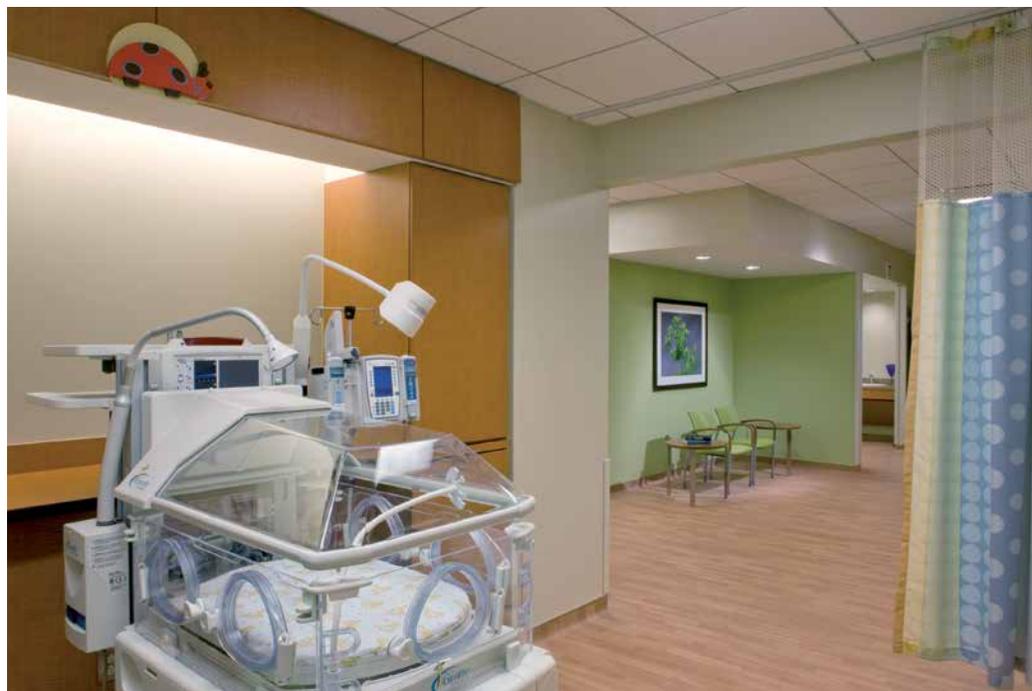
To celebrate life in a way that embraces all generations, this facility supports family-focused compassionate care and the most progressive maternity care in central Louisiana. The design supports high-quality, high-tech healthcare with compassion and sensitivity to women of all ages.

We partnered with the client, who was nearly doubling its campus acreage, to develop a strategic framework to guide long-term growth and address short-term hospital needs. The top priorities identified by the master plan were expanding services for women and children and the emergency department. We also recommended an outdoor mall that unites and connects the campus while improving access.

An abundance of natural light and access to the outdoors promote a holistic healing environment. The emergency department features a dedicated healing garden for patient, family and staff. The circular plan of the urgent care area – where treatment rooms radiate out from a central nurse's station – provides 360-degree visibility and maximizes nurses' time with patients by minimizing walking distances.

The healthy healing environment reflects the client's commitment to sustainable design and operations, which has also helped manage operating costs, enhance the building's marketability, and increase staff productivity. In form and materiality, the new construction responds to local architectural vernacular and climate.

- 188,000 GSF
- 4 stories
- 29,000 GSF Emergency Department
- Women's Clinic
- Labor, Delivery, Recovery & Postpartum (LDRP)
- Pediatric Cardiology, Pulmonology, Perinatology & Surgery
- Neonatal Intensive Care Unit





FIRM OVERVIEW

Disciplines

Architecture, Engineering, Energy, Environmental Graphic Design, Interior Design, Master Planning

Integrated Design Expertise

- Academic Innovation
- Diplomatic Facilities
- Energy & Sustainability
- Health Education
- Healthcare
- Historic Preservation
- Libraries
- Master Planning
- Mission Critical Facilities
- Modernization
- Science & Technology
- STEM
- Student Life
- Workplace

Research

- Building Science
- Healthcare Design
- STEM
- Energy
- Living-Learning
- Workplace

Recognition

- 2018 Top 25 Architecture Firms, *Architectural Record*
- 2018 Giants 300, Architecture/Engineering Firms, *Building Design + Construction*
- 2018 Top 500 Design Firms, *Engineering News-Record*
- 2018 Healthcare Giants, *Interior Design*
- 2017 Architect 50, *Architect Magazine*
- 2017 MEP Giants, *Consulting-Specifying Engineer*
- 2017 Top Architects, #1 for Healthcare Renovation, *Health Facilities Construction Quarterly*

SERVICES

Architecture

- Design
- Planning
- Programming
- Interior Design
- Life Safety
- Environmental Graphic Design
- Workplace Strategy & Design
- Master Planning

Energy

- Energy Data Analysis
 - Energy modeling
 - Benchmarking
- DSM Programs for Utilities
- Building Performance Optimization
 - Energy Audits
 - Energy Master Plans
 - Retro-commissioning

Software

- B3 Benchmarking
- NEO Net Energy Optimizer®
- Custom tools with WeidtSim®

Engineering

- Electrical
- Fire Protection
- Mechanical
- Plumbing
- Security
- Structural
- Telecommunications

Consulting

- Graphic Design
- Marketing Communications
- Public Relations

CHILDREN'S HEALTH CLIENTS

Nemours/Alfred I Dupont Hospital for Children
Advocate Children's Hospital
Advocate Christ Medical Center
AFLAC Cancer Center at Egleston
Augusta University, Children's Hospital of Georgia
Baptist Medical Center Wolfson Children's Hospital
Bradley Children's Hospital
Children's Healthcare of Atlanta - Scottish Rite
Children's Healthcare of Atlanta - Egleston
Children's Hospital of New Orleans
Children's Hospital of Philadelphia
Children's Hospital of San Antonio
Children's Medical Center, Charlotte
Children's Medical Center of Dallas
Hasbro Children's Hospital
Joe DiMaggio Children's Hospital
Kennedy Krieger Institute
Mayo Clinic/Rochester - Children's Clinic
Medical University of South Carolina Pediatric Emergency
Mission Hospitals Reuter Children's Outpatient Center
Nemours Children's Hospital
Nicklaus Children's Hospital
OSF/Children's Hospital of Illinois
Palmetto Health Children's Hospital
Ronald McDonald House Charities
Shawnee Mission Health B. E. Smith Children's Pavilion
St. Jude Children's Research Hospital
Stamford Health
The University of Iowa Children's Hospital
University Hospitals Rainbow Babies Children's Hospital
University of Chicago Hospitals Comer Children's Hospital
University of Louisville Novak Center
University of Virginia Battle Building Outpatient Center
University of Virginia Hospitals Children's Master Plan
Wake Forest University Brenner Children's Hospital

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people, purpose, planet

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