



# AIA

NOVEMBER 2015

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# 2015

AIA/AAH HEALTHCARE  
DESIGN AWARDS

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**The American  
Institute  
of Architects**

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# 2015

AIA/AAH HEALTHCARE  
DESIGN AWARDS

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# The 2015 AIA/AAH Healthcare Design Awards

The mission of the American Institute of Architects Academy of Architecture for Health is:

*To improve both the quality of healthcare design and the design of healthy communities by developing, documenting, and disseminating knowledge; educating design practitioners and other related constituencies; advancing the practice of architecture; and affiliating and advocating with others that share these priorities.*

Simply put, design can make a difference—the planning and design of healthcare facilities impact people and affect their quality of life. Healthcare design solutions can act as allies in the healing process.

The American Institute of Architects (AIA) Academy of Architecture for Health (AAH) is excited to celebrate the outstanding achievements of contemporary architects and recognize the firms for their contributions to the healthcare environment with the 2015 AIA/AAH Healthcare Design Awards. Each year the awards showcase the best of healthcare building design and healthcare design-oriented research and highlight the trends of healthcare facilities and the future direction of design. Winning projects exhibit conceptual strengths that address aesthetic civic, urban, and social concerns. The panel of jurors evaluates project entries for effectively incorporating these concerns as well as the requisite functionality and sustainability concerns of a hospital.

“The 2015 AIA/AAH Healthcare Design Awards highlight some current trends: the continuous focus on health and wellness, as well as the opportunities to make an impact abroad, beyond the U.S.,” says Tatiana Guimaraes, Assoc.

AIA, president of AIA/AAH. “The projects selected this year demonstrate how unexpected locations can bring opportunities for patient care; demonstrate respect for a facility’s users; incite innovation, mobility, and flexibility discussions; and present how a strong design concept can establish a new image/brand to the facility. Designing for patient and family well-being is what healthcare is looking to emphasize today.”

The 2015 AIA/AAH Healthcare Design Awards honor these projects for excellence in form and function, for innovation, and for balancing the personal with the public.

## Awards Categories

### Category A

Built: Less than \$25 million (construction cost)

### Category B

Built: More than \$25 million (construction cost)

### Category C

Unbuilt (must be commissioned for compensation by a client with the authority and intention to build)

### Category D

Innovations in healthcare design, built or unbuilt

### Category E

Master planning urban design for healthcare settings

## 2015 AIA/AAH Healthcare Design Awards Jury



**Scott Habjan,**  
AIA (Chair),  
SOM



**Michael Folonis,**  
FAIA,  
Michael W.  
Folonis  
Architects



**Charles H. Griffin,**  
AIA, FACHA,  
EDAC,  
WHR  
Architects Inc.



**Elizabeth Mahon,**  
AIA,  
Ballinger



**Marc Marchant,**  
AIA,  
LS3P  
Associates  
Ltd.



**Connie S. McFarland,**  
FAIA, FACHA,  
LEED AP  
BD+C,  
McFarland  
Architects



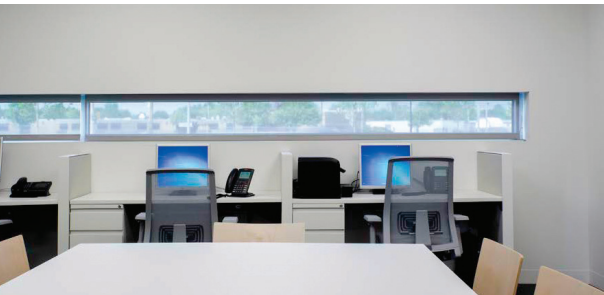
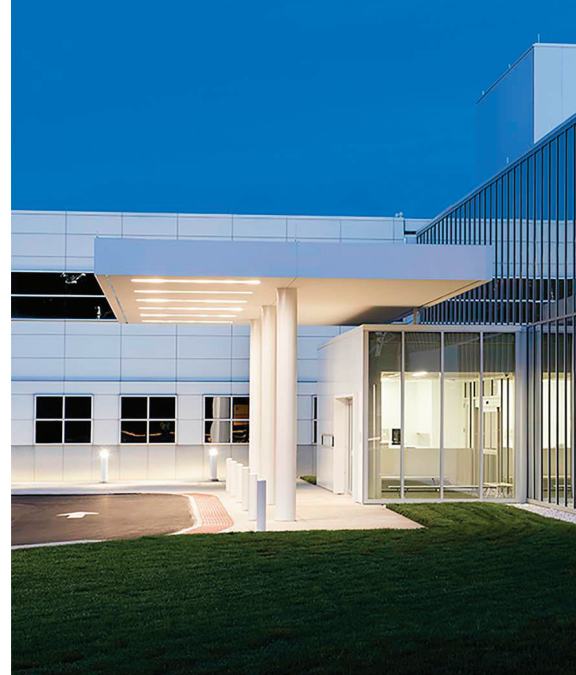
**Joseph J. Strauss,**  
AIA, ACHA,  
Cleveland  
Clinic  
*(recused from the  
review of the  
Cleveland Clinic,  
Brunswick Family  
Health Center  
Emergency  
Department project)*



# Cleveland Clinic, Brunswick Family Health Center Emergency Department

Brunswick, Ohio

**Westlake Reed Leskosky**



**Category:** Built, less than \$25 million

**Project:** Cleveland Clinic, Brunswick Family Health Center Emergency Department

**Project Location:** Brunswick, Ohio

**Owner/Client:** Cleveland Clinic

**Architect:** Westlake Reed Leskosky

**Landscape Architecture:** Cawrse & Associates

**Mechanical/Electrical/Plumbing/IT Engineer:** FF&H Engineers

**Civil Engineering:** Krock-Esser Engineering

**Photographs/Illustrations:** Kevin G. Reeves; Courtesy of Westlake Reed Leskosky

**Construction Cost:** \$13.9 million

**Building Area GSF:** 39,200; two-story addition

**Construction Start Date:** April 2013

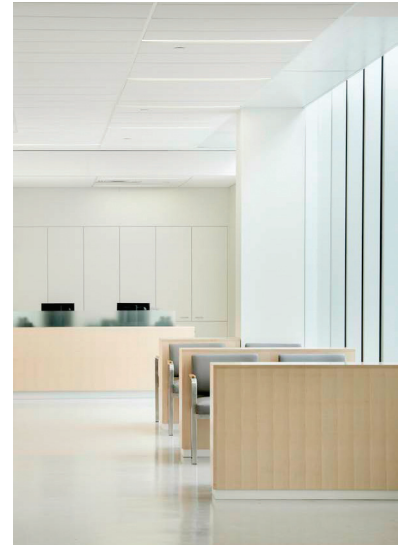
**Substantial Completion Date:** July 2014

## FROM THE JURY

“A beautiful, intelligent, modernist healthcare building—very skillfully considered and executed. The minimal, almost austere design of this emergency department speaks to its urgent mission.”







The project expands an existing family health center clinic in a growing suburb and provides 24/7/365 emergency care that did not previously exist. Key components include a dedicated imaging suite (CT and rad rooms); access to MRI; a medical laboratory capable of processing tests commonly performed in ED; and a roof-level heli-stop with dedicated elevator from ED to roof. The project uses a “split flow” space planning strategy. At triage, low-acuity patients are directed through an open bay area, leaving exam rooms for emergent cases/critical patients. Functional planning for this zoning, combined with appropriate deployment of ER personnel, results in expedited management for patients and visitors. Imaging and lab are directly adjacent to the ED, reducing travel and wait time for testing. Within the ED, unobstructed lines of sight for staff support safety and patient visibility. Employee amenities are adjacent but separated from clinical spaces, allowing for places of respite. Placement of the building’s public spaces in relation to road and campus entry provides an intuitive wayfinding experience for both patients and ambulance drivers.

The project avoids the thematic approaches often encountered in healthcare projects (such as spa, home, or hospitality) and instead seeks to create a healing environment based on tranquility and connectivity to the natural environment. The generous composition of curtain wall construction provides an intuitive cue for arriving visitors and provides visibility to the light and movement of people within. The arrival wayfinding is carried into the interior space planning. The glazing also promotes visibility to the exterior environment, where greenery takes precedence over cars and asphalt. Internally, careful placement and designed inclusion of all infrastructure components, including visible signals and switching, reduce the visual cacophony so common to emergency departments. This discipline, along with the inclusion and placement of art, results in a serene experience for staff and visitors alike.





# Providence Sacred Heart Medical Center Pediatric Emergency Department

Spokane, Washington

Mahlum







Tucked among the existing structures at Providence Sacred Heart Medical Center, the 28,000-square-foot facility is an easily recognizable destination for care with an energetic red exterior. Within the prominent “red lantern” on the second level are a series of family spaces, both active and quiet. The Kid’s Club is the heart of the upper level active zone, with fun and engaging opportunities for children and family members. This area offers panoramic views of the healing garden and surrounding community. Smaller seating and gathering spaces, adjacent to the double-height entry atrium, accommodate quieter relaxation. The quiet zone is flanked by the two-story entry wall of locally sourced cedar siding.

The central care team zone colocates physicians, nurses, and mid-level providers, facilitating collaboration and communication in close proximity to the patient care areas. Glass partitions maintain direct visual connections to patient areas while promoting acoustic privacy. The staff zone accommodates a range of care team sizes, which rise and fall with patient census. Support spaces located near the central care team zone place medical equipment in operationally efficient locations. Access to the hospital electronic medical records system is provided within the care team work zone and in each patient care area, providing a care management tool linked to the hospital imaging and lab databases. Each treatment space is adorned with unique, colorful graphics tailored to appeal to young patients. Medical gases, monitoring equipment, and computers are all carefully aligned to minimize clutter, reduce visual stress, and limit the number of “scary things” on the walls. Every exam room is indirectly lit to create an environment that eases stressful situations. The bright color palette in the treatment areas relate back to the energy of the “red lantern” and the outdoors.

#### FROM THE JURY

“In contrast to many new pediatric facilities, this building is child-friendly without being childish. Within the context of the larger medical campus, the striking red volume of the ED offers a strong presence that urgently notifies and invites.”

**Category:** Built, less than \$25 million  
**Project:** Providence Sacred Heart Medical Center Pediatric Emergency Department  
**Project Location:** Spokane, Washington  
**Owner/Client:** Providence Health and Services  
**Architect:** Mahlum  
**Structural/Electrical Engineer:** Coffman Engineers  
**Mechanical Engineer:** MW Consulting  
**Civil Engineer:** DCI Engineers  
**General Contractor:** Bouten Construction  
**Photographs/Illustrations:** Mahlum  
**Construction Cost:** \$18.6 million  
**Building Area GSF:** 28,000  
**Construction Start Date:** November 2011  
**Substantial Completion Date:** January 2013



# New York Hospital Queens Astoria Primary Care Clinic

Astoria, New York

**Michielli + Wyetzner Architects**



## FROM THE JURY

“ Within an urban neighborhood setting, this adaptive reuse manages to stand out while fitting in. It is a subtle yet highly effective transformation of an ordinary building into a welcoming and attractive community clinic. ”

**Category:** Built, less than \$25 million

**Project:** New York Hospital Queens Astoria Primary Care Clinic

**Project Location:** Astoria, New York

**Owner/Client:** New York Hospital Queens

**Architect:** Michielli + Wyetzner Architects

**Mechanical/Electrical/Plumbing Engineer:** M-E Engineers

**Structural Engineering:** Engineering Group Associates

**General Contractor:** PM Construction Services

**Specifications Consultant:** Construction Specifications Inc.

**Photographs/Illustrations:** Alexander Severin/Razummedia/  
Michielli + Wyetzner Architects

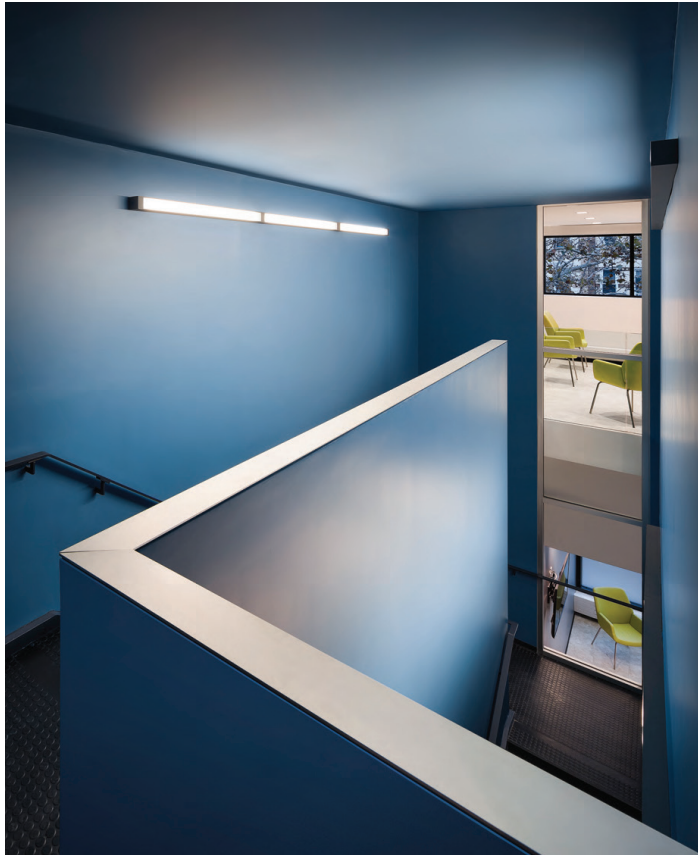
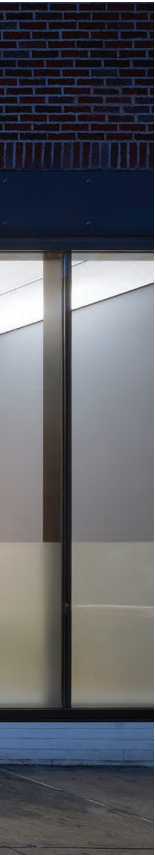
**Construction Cost:** \$1.7 million

**Building Area GSF:** 5,000

**Construction Start Date:** October 2013

**Substantial Completion Date:** October 2014





This new off-site primary care clinic is one in a series of new neighborhood practices intended to raise the profile of the New York Hospital Queens in the surrounding community. Located in Astoria, on a corner site along the busy thoroughfare of 30th Avenue, the distinctive design is intended to give this satellite facility a powerful presence in the neighborhood and bring quality healthcare into a diverse and underserved neighborhood. The two-story brick building was completely gutted to accommodate new exam and consultation rooms. The main circulating corridor on both floors is located along the perimeter of the cross street to allow natural light to enter into the patient area.

The project uses transparency, with natural and artificial light, to create a beacon for the neighborhood. A new entrance canopy was added to provide shelter and act as an emblem for the facility. The canopy leads into a ceiling plane within the waiting room; visible from the exterior, it creates a strong form along the street. A perforated metal screen masks the irregular pattern of existing windows on the ground floor. The screen allows daylight to enter during the day and artificial light to emit a glow on the exterior in the evening. Inside, distinct geometric volumes interact at the reception desk and a new, boldly colored, enclosed stair volume provides a dramatic transition between floors. In addition, an illuminated ceiling spills light onto the sidewalk through the floor-to-ceiling glass.

The renovated facade now allows in more controlled natural light, providing a bright, inviting interior space. In addition to the existing envelope and structure, portions of the existing HVAC, plumbing, and fire alarm system were able to be reused, providing an ecological example for this fast-growing and diverse neighborhood.



# Vitenas Cosmetic Surgery and Mirror Mirror Beauty Boutique

Houston, Texas

**Architect of Record:** Harrell Architects, LP;  
**Design Architect:** Perkins+Will; **Interior Architect:** Rottet Studio



This ambulatory surgery center was designed specifically to meet the needs of the cosmetic surgeon and the well-being of the patients. In particular, the patient flow from pre-op to surgery and on to post-op recovery is less than 80 linear feet. Other patient-oriented functions are separated by floors, with consulting and noninvasive procedures on the first floor, the second floor clinic adjacent to the ambulatory surgery center, and the third floor occupied by offices and a waiting/lounge area. This organization of services and functions created efficient work flow and patient flow, thereby optimizing the patient core experience.

The high quality of the ambulatory surgery center's design, both exterior and interior, is a direct reflection of the cosmetic surgery services performed there. This project's corner lot location allows the two-story glass corner to express itself as a jewel as it lights the interior during the day and serves as an illuminated feature at night.

The project site's original 100 percent impervious cover was reduced and replaced with landscaping that both improves ground water absorption and benefits the site. Hidden from the street is a gated parking area that allowed for the extensive landscaping on the two-street frontage. Revitalization of a derelict and low-quality building on a high-traffic street has had the greatest impact on the local community. The first-class design of the new facility is a 180-degree departure from the former site occupant.

**Category:** Built, less than \$25 million

**Project:** Vitenas Cosmetic Surgery and Mirror Mirror Beauty Boutique

**Project Location:** Houston, Texas

**Owner/Client:** 4208 Ltd and Paul Vitenas Jr., M.D.

**Architect of Record:** Harrell Architects, LP

**Design Architect:** Perkins+Will

**Interior Architect:** Rottet Studio Design

**Landscape Architecture:** Wong & Associates Inc.

**Mechanical/Electrical/Plumbing Engineer:** Wylie Consulting Engineers

**Civil Engineering:** The Interfield Group, LLC

**Structural Engineer:** Garza-McLain

**General Contractor:** JE Dunn

**Owner Representative:** Deccan Development Co.

**Specification Consultant:** Keese & Associates, LLP

**Photographs/Illustrations:** Gary Zvonkovic Photography;

Harrell Architects

**Construction Cost:** Undisclosed

**Building Area GSF:** 12,280

**Construction Start Date:** April 2013

**Substantial Completion Date:** August 2014





#### FROM THE JURY

“ This design is meticulously tailored to its clientele to create an elegant and comfortable hospitality setting well-suited for this niche healthcare typology. As a boutique surgery center, the design takes the patient experience to a very high level. ”



# Bridgepoint Active Healthcare

Toronto, Ontario, Canada

**Planning, Design, and Compliance Architects:**  
**Stantec Architecture/KPMB Architects:**  
**Design, Build, Finance, and Maintain Architects:**  
**HDR Architecture/Diamond Schmitt Architects**





By blurring the distinction between private and public property and providing public circulation continuously around a fully glazed exterior, the site and entry-level floors are highly permeable. From animated public spaces to intimate private ones, the building connects community and landscape with patients and staff. Panoramic views can be found from every patient room and from open terraces at the roof level, mid-tower, and at both grade levels. Projections and recesses in the facades relate to patient spaces and include projecting patient lounges at each end of patient floors; “waterfall” glazing at the midpoint of the building length for on-floor dining and rehab therapy; and sheltered recesses for outdoor terraces. The abundance of natural light within the interior improves orientation and wayfinding and is supported by a soothing color palette and finishes. Spaces for rest and therapy include the large ground-floor terrace adjacent to food services, a therapy pool with picture windows overlooking the park, a green rooftop terrace, and a wheelchair-accessible meditative labyrinth patterned on the one at Chartres Cathedral.

With the demolition of the former hospital, the campus’ landscaped grounds have been expanded and integrated with a large municipal city park to the north. The historic Don Jail (1865) has been restored and repurposed as the hospital’s administrative center. Surrounding municipal roads have been reconfigured and a new municipal park has been created to the south of the historic former jail. This park provides a permanent forecourt that showcases the restored building and provides a landscaped amenity to the adjacent residential community. The municipal jail built in the 1970s has been demolished, further opening up the site and providing lands for future development. The Bridgepoint campus is now open, visible, and accessible and connects with and extends public trails and bike routes from neighboring Riverdale Park.

#### FROM THE JURY

“This building optimizes its expansive views and an abundance of natural light to create an uplifting and restorative environment for patients and staff. The rooftop public garden and seating area is a great amenity for patients and staff that completes the facility’s strong connection to its natural setting.”



**Category:** Built, more than \$25 million

**Project:** Bridgepoint Active Healthcare

**Project Location:** Toronto, Ontario, Canada

**Owner/Client:** Bridgepoint Active Healthcare

**Planning, Design, and Compliance Architects:** Stantec Architecture/KPMB Architects

**Design, Build, Finance, and Maintain Architects:** HDR Architecture/

Diamond Schmitt Architects

**Developer and Equity Investor:** Plenary Group

**Structural Engineer:** Halsall & Associates

**Mechanical Engineer:** Smith + Andersen

**Electrical Engineer:** Smith + Andersen

**Civil Engineer:** A.M. Candaras Associates Inc.

**Landscape Architect:** MBTW Group

**LEED Consultant:** Halsall & Associates

**Heritage Consultant DBFM:** The Ventin Group Ltd.

**Heritage Consultant PDC:** E.R.A. Architects

**Code Consultant:** Leber Rubes Building

**Envelope Consultant:** Brook Van Dalen & Associates Ltd.

**Micro Climate Consultant:** Rowan Williams Davies & Irwin Inc.

**Traffic Engineer Consultant:** Read Voorhees & Associates

**Acoustical Consultant:** J.E. Coulter Associates Ltd.

**Geotechnical Consultant:** Terraprobe Design Ltd.

**Shoring Consultant:** Isherwood Specifications: Brian Ballantyne

**Specifications Curtain Wall Consultant:** SOTA Glazing Inc.

**Surveyor Consultant:** Speight, Van Nostrand & Gibson Ltd.

**Facilities Management:** Johnson Controls

**Furniture and Equipment:** RCG Contractor: PCL Constructors Canada Inc.

**Photographs/Illustrations:** Tom Arban Photography; Sam Javanrouh

**Construction Cost:** \$315,000,000

**Building Area GSF:** 489,500

**Construction Start Date:** January 2010

**Substantial Completion Date:** April 2013



# Fifth XiangYa Hospital

Changsha, China

Payette





**Category:** Unbuilt  
**Project:** Fifth XiangYa Hospital  
**Project Location:** Changsha, China  
**Owner/Client:** Central South University  
**Architect:** Payette  
**Engineers:** Vanderweil Engineers  
**Photographs/Illustrations:** Payette  
**Construction Cost:** \$455,284,500  
**Building Area GSF:** 4,305,600  
**Construction Start Date:** Q4 2015  
**Substantial Completion Date:** Q4 2018



#### FROM THE JURY

“ This design takes an extremely large and complex program and organizes it with a very simple, bold, and compelling solution. The design team’s reinterpretation of the bed tower is inspiring for such a large project. ”

The architecture of the Fifth XiangYa Hospital is broken into clear elements that facilitate ease of navigation, allow penetration of natural light, and provide views to nature throughout the hospital. Gardens and nature are used throughout generous public spaces to facilitate navigation, highlighting entrances, public elevators, and lobbies. Throughout the clinical care spaces, patients, families, and staff are empowered by transparency and access to healing outdoor spaces through terraces and gardens and views of nature, gardens, and the sky.

The hospital is a campus, consisting of a series of interconnected structures, organized in two main groups—the general hospital and the VIP hospital—that surround a special central healing garden. The two hospitals are connected below ground with a single logistics corridor and physical plant, reducing redundancies and increasing efficiency. State-of-the-art medical and communications technologies are integrated throughout, from wayfinding and automated check-in services for patients to real-time locating technologies tracking supplies, equipment, and staff.

A wide range of passive strategies define the architectural character of the building at the same time that they reduce the external loads on its systems. Solar radiation and waste heat from an array of internal sources are captured wherever possible and diverted to productive uses through an array of systems, including photovoltaics and cogeneration. Highly efficient MEP equipment meets the loads that cannot be eliminated in the most efficient way possible. In addition, those systems scale their operation in response to ever-changing load profiles.

In recognition of the rapidly increasing importance of water resources in environmentally responsible design, and the impact that rapid urbanization has had on the environmental resources around the hospital site, a comprehensive water treatment and reclamation system has been proposed. This system will dramatically reduce the demand for potable water at the same time that it reduces or even eliminates the introduction of waste water into the city’s sewer systems.



# U.S. Department of Veterans Affairs, Robley Rex VA Replacement Medical Center and VBO Office Building

Louisville, Kentucky

URS/SmithGroup Joint Venture



## FROM THE JURY

“ This project should be held up as an example of what all VA facilities can and should aspire to. The project demonstrates a clear design vision that satisfies the project’s complex functional requirements while appropriately and effectively honoring our veterans. ”







The campus environment establishes the framework for a healing environment by integrating nature with architecture. The linear garden that stretches across the site begins outdoors and weaves through the heart of the project via a multi-story concourse that not only floods the space with daylight, but integrates three garden roof terraces to be shared by various programs on different levels. By integrating multiple smaller terraces into the otherwise expansive building core and elevations, future departmental shifts are not limited by restricted access to views and nature.

The project will incorporate innovative energy recovery systems, proactive storm water management, and heat island and light reduction strategies that respect the neighborhood and its environs. Site design strategies reinforce wayfinding and efficient planning. The concourse organizes the building into a clear wayfinding organization that can reduce the inherent stress found in healthcare facilities. That wayfinding is further reinforced by connection to the outdoors in both the north and south directions, with clear connections to the parking structures and nature, as well. Patients and their families can find solace beyond the active concourse in quiet gardens and elevated courtyards strategically placed throughout the architecture.

The architectural response and elements of design incorporated into the building forms are inspired by community and place. The architectural expression further integrates patterns and textures that are part of the lives of Kentucky/Indiana area veterans. The local limestone stratification and layers are one source of inspiration. The pattern of military ribbons familiar to veterans is another. Both inspired the landscape and architecture without diminishing them by literal replication.



**Category:** Unbuilt

**Project:** U.S. Department of Veterans Affairs, Robley Rex VA Replacement Medical Center

**Project Location:** Louisville, Kentucky

**Owner/Client:** U.S. Department of Veterans Affairs

**Architect:** URS/SmithGroup Joint Venture

**Photographs/Illustrations:** URS/SmithGroup Joint Venture

**Construction Cost:** \$675,000,000

**Building Area GSF:** 1,100,000

**Construction Start Date:** June 2016

**Substantial Completion Date:** March 2023



# Studio Dental Mobile Unit

San Francisco Bay Area, California

Montalba Architects Inc.





## FROM THE JURY

“ At a time when the healthcare industry is re-evaluating methods of delivery, this project re-visions the concept of the mobile healthcare trailer with a design that could breathe new life into the typology. This compact and compelling design brings healthcare to the people in a unique and engaging way. ”

**Category:** Innovations in Planning and Design Research, Built and Unbuilt  
**Project:** Studio Dental Mobile Unit  
**Project Location:** San Francisco Bay Area, California  
**Owner/Client:** Dr. Sara Creighton and Lowell Caulder  
**Architect:** Montalba Architects Inc.  
**Fabricator:** Pacific Westline Inc.  
**Photographs/Illustrations:** Mitch Tobias  
Photographer; Montalba Architects Inc.  
**Construction Cost:** \$300,000  
**Building Area GSF:** 240  
**Construction Start Date:** January 2014  
**Substantial Completion Date:** June 2014



Studio Dental revolutionizes the way patients schedule and receive dental care by bringing the dentist to patients. Appointments can be made on a computer or smart device in less than 90 seconds; patients are reminded of their appointment via email or text and can avoid the hassle of medical bills by using mobile payments. Most importantly, Studio Dental has not sacrificed function; it can perform any procedure in the mobile office that can be performed in a traditional brick-and-mortar setting.

With only 230 interior square feet, the design team's primary challenge was to create the illusion of a more spacious interior, while also packing the required program into the tiny footprint, including a sterilization room, waiting area, and two operatories. The sterilization room is hidden behind millwork panels that wrap around to form the patient waiting bench with an integrated tablet for patient forms and magazines. A centralized, double-sided millwork panel houses equipment for both operatories, while also concealing the sound system and HVAC unit. Rather than opening the side panels to potentially unattractive exterior environments, each operatory gestures to the sky, with 11-foot-plus ceilings and translucent solid surfacing skylights above the patient chairs—which deliver abundant diffused natural light and also house TV monitors. Strategically placed mirrored strips in the corner reveals visually expand the space and further reflect natural light. The materials palette reinforces the office's identity, with natural wood millwork, bright white surfaces throughout, and a custom perforation pattern that suggests a dense tree canopy. The 26-foot-long trailer's exterior features reflective detailing that brings the same custom perforation pattern to the exterior panels, layered with the new use through the client's branding and imagery.



# 2016 AIA/AAH National Healthcare Design Awards Call for Entries

The AIA Academy of Architecture for Health annually showcases the best of healthcare building design and design-oriented research. We encourage you to submit your work for recognition.

Submissions for the 2016 awards program are due by March 14, 2016, 5:00 p.m. Eastern time.

**Allow us the privilege of honoring your work.** [aia.org/aah](http://aia.org/aah)



Brunswick Family Health Center Emergency Department  
Photography: Kevin G. Reeves  
Drawings/Plans: Courtesy of Westlake Reed Leskosky  
Architect: Westlake Reed Leskosky