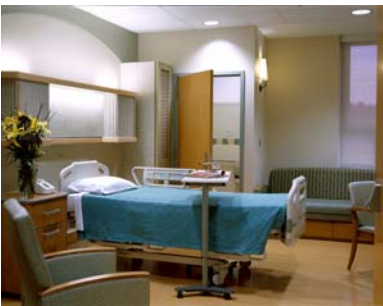


SACRED HEART HOSPITAL ON THE EMERALD COAST

New Hospital
Destin, FL



Sacred Heart Health System wanted to increase their market share by offering services to the seaside community of Destin, FL. The area is rapidly becoming one of Florida's most desirable retirement communities and was in need of inpatient beds to meet the demands of the largely elderly community. The site was planned to be easily expandable to meet increasing demand over the next five years.

The patient rooms were designed to be universally adaptable to meet changing levels of acuity without moving the patient. Additionally, patient room and nursing station configurations support rapid physical transformation to dedicated higher levels of acuity with minimal disruption during expansion construction.

Array's Interior Designers worked with the Architect-of-Record, Gresham Smith & Partners to realize the hospital's design intent to provide an environment conducive to the healing process through patient empowerment, comfort, family involvement and a connection to nature.

Project Information

- 105,000 SF new construction
- 50-bed hospital; expandable to 200 beds; currently being expanded to include a Birthing Center
- Each room is equipped with individual controls of lighting, television, music and phone
- Families amenities include internet access, laundry facilities, daybeds in each patient room, and kitchen
- Plentiful access to natural light through the use of large picture windows and healing gardens
- Outpatient services, including medical imaging, physical therapy, outpatient surgery, a diagnostic center, visitor waiting and dining areas are easily accessible along the exterior of the hospital

Fast Facts

- Construction Cost: \$19,800,000
- Design Start: October 2001
- Construction Completion: January 2003

CAPITAL HEALTH SYSTEM

Replacement Hospital Hopewell Township, NJ



Array Healthcare Facilities Solutions in association with HKS, Inc. has been commissioned to design a new state-of-the-art 320-bed Replacement Hospital for Capital Health System. The design team has been tasked with developing a facility that patients and staff respond to with "Wow, I can't believe this is a hospital!" To achieve this goal, the new facility will feature a Concierge Pavilion, a Diagnostic Treatment and Support Building and a Patient Tower all connected by atriums with healing gardens. Future Medical Office Buildings have been master planned as well.

Patient safety, family-focused care and operational efficiency are the focal points for the design. The design team has segregated inpatient and outpatient flow to support an exceptional patient experience.

Project Information

- 575,000 SF replacement hospital on greenfield site
- 6-story patient tower featuring 320 single-occupant patient care rooms
 - 4 Med/Surg floors
 - 20-bed PICU
 - 24-bed MICU / Universal Room Unit
 - 12-bed SICU
 - 30-bed NICU
- Features 36,000 SF Emergency Department with dedicated Pediatric Care Emergency Unit
- 20,000 SF Diagnostic Treatment and Patient Support Building
- 80,000 SF Cancer Treatment Center adjacent to new hospital
- In association with HKS, Inc.

Fast Facts

- Construction cost: \$300,000,000
- Design Start: September 2005
- Construction Completion: September 2009



Array was invited by Lankenau Hospital to create a Planetree-inspired hospital patient room. The Planetree, or sycamore tree, is the tree under which Hippocrates, the founder of modern medicine, sat when he began teaching his students centuries ago.

From the moment a patient enters the room, warm colors, rich wood textures and soft lighting evoke a sense of soothing calm, promoting the essence of a modern resort destination. The hospitality theme is further explored through the tiled bathroom, automated room controls and modern entertainment and communication amenities.

Because healing is encouraged equally from medical professionals as well as family members, the space is designed to promote interaction from both in a manner that enhances the patient's well being. Upon entering the patient room, physicians and nurses are immediately presented with a work station that places everything at their finger tips, including an integrated sink—so important for reducing nosocomial infections—and counter space for equipment and medications as well as space for an unobtrusive nurse charting station.



Even with the care-giver and family-friendly amenities, the room is ultimately focused on the patient's comfort and well-being. The bed is slightly angled to provide views of the window, television and family area and away from the hallway and clinical space. Overhead lighting, entertainment and automated window shades can be adjusted directly by the patient.

Project Information

- Patient amenities include:
 - Private room w/tiled bathroom
 - Bed angled toward window, and away from corridor
 - Full-length wardrobe and dressing table w/mirror
 - Comfortable space for an overnight guest
 - Cubicle curtain for privacy during patient exams
- Guest amenities include:
 - Pullout daybed for rooming-in
 - Desk with internet access and integrated bookshelf
 - In-room refrigerator



SOMERSET MEDICAL CENTER

Medical/Surgical & Oncology Patient Floor

Somerville, NJ



The new Medical / Surgical Pavilion is divided into two 35-bed suites; one serves traditional medical/surgical patients and one is dedicated to oncology patients.

The two suites have separate, but similar, finish palettes so that each suite has its own identity. In honor of a significant donor, the oncology rooms will have a special graphic of the phrase "Carpe Diem" applied to the footwall. This phrase is said to embody the attitudes of this special donor.

Project Information

- 42,000 SF new construction
- Single rooms with the ability to convert to doubles if the bed demand is unusually high
- 70-beds in two, 35-bed units
- Nurse workstations are located between each two rooms to minimize steps
- Patient amenities include flat panel televisions, in-room refrigerators, internet access points, and sleeper sofas for family overnight stays

Fast Facts

- Construction cost: \$15,000,000
- Design Start: June 2003
- Construction Completion: April 2005

ST. JOSEPH REGIONAL MEDICAL CENTER

Center for Women and Infants Milwaukee, WI



Originally awarded to another firm, Array inherited this project because the previous design was unsatisfactory and significantly over budget. Array's solution for this complex service provided a new addition and renovation project that enhanced all program components and halved the construction cost.

Today, the newly constructed Center for Women and Infants (CWI) at St. Joseph Regional Medical Center supports the largest perinatal center in Wisconsin. It is also home to the International Institute for the Treatment of Twin-to-Twin Transfusion Syndrome, which performs in-utero life saving surgery; the only fetal treatment center in the world specifically designed and dedicated to this disorder.



Project Information

- 121,000 SF new construction; 86,000 SF renovation
- 54-position Neonatal Intensive Care Unit (NICU) which serves 700 infants each year
- 44-bed Post-partum Unit
- 20-bed Antepartum Unit
- 15 – Labor, Delivery, and Recovery Suites
- Three dedicated OR Suites
- Patient amenities include a café, a women's resource center with massage rooms, a spiritual center including a chapel, and multipurpose area with conference/classroom/group rooms



Fast Facts

- Construction cost: \$81,000,000
- Design Start: November 2000
- Construction Completion: December 2003



SAINT BARNABAS MEDICAL CENTER

Pediatric Center of Excellence

Livingston, NJ



High technology and design whimsy come together in this renovation that cares for more pediatric patients than any other hospital in New Jersey. Creating Saint Barnabas Medical Center's Pediatric Center of Excellence began with co-locating all Pediatric inpatient service lines, including General Pediatrics, Pediatric Intensive Care Unit (PICU) and Hematology / Oncology / Step-Down together on one floor - essentially creating a 'Hospital within a Hospital.'

This Project was featured in the September 2005 Architectural Showcase of Healthcare Design Magazine.

Project Information

- 29,500 SF renovation
- 10-bed ICU / 10-bed Step-down
- A centrally located Welcome Center features built-in play areas, an aquarium, and child-scale furniture
- Staff sub-stations are located outside all PICU rooms to facilitate staff activities concentrated at the bedside and accessible to parents.
- Interiors were designed to be harmonious and colorful, without being age specific.
- Private rooms are designed with a family zone that does not compromise clinical space.
- Family sleeping rooms, consultation rooms, and a family kitchen are provided for family comfort.
- PICU and Hematology/Oncology Step-Down Units feature a racetrack design with a shared central core.
- Each room includes a full rotational power column which allows the patient to be un-tethered from the wall.

Fast Facts

- Construction cost: \$6,000,000
- Design Start: December 2002
- Construction Completion: February 2005



Indian River Memorial Hospital is a community, not-for-profit hospital with 335-beds and provides emergency services, Stroke Center, cardiology, Cancer Center, orthopedics, and Women's Health and Maternity Care. The Hospital has been in the process of updating their aging infrastructure and was been working with Array to identify the key areas for improvements.

Project Information

- **Five South Prototype:** Design to reinvent the traditional nursing unit within the existing configuration of bed floors, including decentralized nursing, patient centered, calming design, reduced travel distance for staff, and improved workflow.
- **Radiology/Angiography Suite:** Installation of a new angiography suite including all equipment.
- **Ambulatory Service Center:** Conversion of an 11,000 SF ambulatory surgery center to a state-of-the-art ambulatory service center including a new hyperbaric wound care program with two Class B hyperbaric chambers, relocation of the off-site physical therapy program, and an anti-thrombosis clinic.
- **Gastroenterology Clinic:** Renovation of the existing OR suite and support and renovation of the existing gastroenterology suite.
- **Outpatient Endoscopy Suite:** Renovation of endoscopy suite to accommodate new patient capacities. Includes new equipment, patient and physician circulations
- **SNU Relicensing:** Following hurricane damage to the existing nursing homes, Array worked with the Hospital to get expedited relicensing from acute care to nursing unit beds. The effort was completed in six weeks.

Fast Facts

- Total Construction cost: \$2,850,000
- Design Start: March 2005
- Construction Completion: June 2006



Kennedy Health System (KHS) has undertaken a phased renovation and new construction program at each of its three hospitals to ensure that they can continue to be competitive in the central New Jersey market. There are several hospitals within 30 miles, many of which were offering more services and state-of-the-art treatments. KHS and Array have been working together for the past five years to renovate and refurbish each hospital to offer a wider array of service lines and add new equipment and treatment options.



The new 25,348 SF, 40-bed Telemetry Unit was designed with both semi-private and private rooms. The unit also includes four isolation rooms, a bariatric room, and five ventilator rooms. Natural light was brought into the unit through the use of a light court in the center of the building.

Additional Projects

- **NICU Renovation:** The renovation of the existing 10,800 SF NICU was needed to provide the highest level of care for newborns and their families. The updated unit features a family waiting area with internet access and education and consultation rooms. The 15-bassinet NICU includes a family overnight room, isolation room, and nurses stations located strategically between each area.
- **Interventional Radiology Suite:** The 1,000 SF procedure room for Interventional Radiology was updated to provide a new control room, work room, consultation room, changing rooms, and a staff lounge.
- **Clinical Laboratory Renovation:** 6,856 SF Renovation and addition to an existing laboratory including new file storage.

