

Project: Capital Health Medical Center - Hopewell
Location: Pennington, NJ
Architect: HKS
Interior Designer: Array Healthcare Facilities Solutions
Products: Acrovyn 4000® Doors, Crash Rails, Corner Guards & Handrails

About the Project

The Capital Health Medical Center – Hopewell opened its doors November 2011. Designated as a replacement for the healthcare provider's Mercer Hospital, the facility was designed to increase patient capacity and provide cutting-edge medical technologies and services. With a total of 237 beds, all private, the 925,000-square-foot, state-of-the-art facility sits on 165 acres and provides incredible views of the adjacent natural terrain and existing wetlands. Some of the center's specialized medical services include neurosciences, advanced orthopedic services, CyberKnife® radiosurgery, da Vinci® robotic surgery and pediatric emergency care. The building's progressive design also boasts an on-site spa, bistro and boutique gift shops.



At a Glance: Acrovyn Doors & Wall Protection

- High-impact Acrovyn Doors laminated with *Cradle to Cradle Certified*^{CM} Silver PVC-free Acrovyn 4000 Chameleon rigid sheet in a standard simulated woodgrain option
- *Cradle to Cradle Certified*^{CM} Gold or Silver PVC-free Acrovyn 4000 crash rails, corner guards and rigid sheet specified in standard neutral solid colors
- Handrails and corner guards coordinated in Acrovyn's Renaissance real wood and stainless steel components

Design Goals

The driving strategy behind global architectural firm HKS' innovative building design was to provide comprehensive patient care while maintaining a harmonious aesthetic. HKS worked closely with Capital Health to incorporate patient-friendly features that promote relaxation and enhance healing. Years of research and planning shaped the design process. Al Maghazehe, President and CEO of Capital Health, noted, "We have rethought everything about the typical patient hospital experience to create an environment that promotes healing, reduces anxiety and delivers advanced medical care in a calming, comforting setting."

Results

In order to achieve these design goals, Array Healthcare Facilities Solutions, the interior design team, solicited Construction Specialties (C/S) for the company's well-known product lines, which incorporate healthy building materials. The designers chose Acrovyn® Doors for patient rooms and corridors on the building's garden level and first six floors, selecting a natural-looking Amber Cherry finish. Designing for an environment that facilitates the healing process, while remaining durable and resilient, called for the integration of C/S' PVC-free Acrovyn® 4000 interior wall protection, including crash rails, corner guards and handrails, drawing from a wide selection of natural wood, stainless steel and neutral colors. In December 2012, the medical center achieved LEED® Gold certification: a staunch achievement at a time when only 27 other hospitals in the country had been able to acquire Gold or Platinum level certification. Some of the building's LEED® elements include use of regional materials, 90% waste diversion during the construction phase, preservation of open space and light pollution reduction, as well as efficient management of water within the building and for landscaping purposes.