

Roberts Pavilion

Cooper University Hospital
Camden, NJ



© Eduard Hueber (Arch Photo, Inc.)

General Information

Function : Patient care center

Height : 10 Stories

New Construction : 320,000 GSF

Renovations : 51,000 GSF

Cost : \$220 Million

Completed : December 2008

Delivery : Design-Bid-Build

Project Team

Owner : Cooper University Hospital

Architect : EwingCole

Structural : EwingCole

MEP : EwingCole

CM : Turner / HSC

Civil : Land Dimensions Engineering

Landscape Architecture: Cairone & Kaupp, Inc.

Medical Equipment Planning : Medequip International

Central Sterile Planning : CT + Associates LLC

Elevators : Zipf Associates, Inc.

Building Functions

- Intensive care units
- Clinical cardiology
- Operation suites
- Medical nursing units
- Clinical laboratories



© Eduard Hueber (Arch Photo, Inc.)

Structural Systems

Foundation : Slab on grade with pile caps and 16" diameter reinforced piles

Framing system : Steel frame using wide flange members with lightweight composite deck flooring

Lateral system : 8 ordinary concentrically braced frames, 4 in each direction



© Halkin photography, LLC

Architecture

Designed to be a "healing garden," the interior spaces reflect a peaceful and relaxing atmosphere by incorporating an abundance of natural light, warm colors, and natural building materials such as stone, wood, and bamboo into the design. These themes are present in the lobby (shown left) and throughout the building.

The facade is composed of aluminum and glass panels. Renovations during construction updated the adjacent building facades to create a uniform appearance. The addition of the pavilion also serves as a link between the adjacent buildings by way of the lower floors.



Mechanical / Electrical

Mechanical : VAV system with 9 AHU's, 20,000 - 120,000 CFM
Three 750 ton Chillers

Electrical : 480/277 V 3-phase system
38 kV class switchgear
Two 2250 kW 13,200 V diesel generators (emergency power)