

David Bodnar CM

University Medical Center at Princeton Replacement Hospital Plainsboro, NJ

Owner: Princeton HealthCare System

Architects: HOK/RMJM Hillier – A Joint Venture

Construction Manager: Turner Construction Company

Cost: \$321 Million Overall

Dates of Construction: March 2009 - March 2012

Project Delivery Method: Traditional

Size: 209,525 square feet

Stories Above Grade: 7 stories / 121 ft

Architecture

- Curtain wall system for exterior of building especially in south entrance
- Masonry used on exterior
- State of the art facilities
- Interior renovation done to existing Building #2

Structure

- Superstructure: Structural Steel Framing
- Substructure: Cast in Place Concrete footing and foundation walls for the foundation
- Floor and Roof: Cast in Place Concrete on Composite Steel Deck
- Roofing System: EPDM membrane

MEP

- 17 Air Handling Units with 11 of them being 100% outside air
- Standpipe sprinkler fire suppression is to be used in the building
- The building uses a diesel engine emergency generator
- Interior lighting is mostly fluorescent lighting fixtures



<http://www.engr.psu.edu/ae/thesis/portfolios/2010/dib5038/index.html>

