

# Virtua Voorhees Replacement Hospital



## General Building Statistics:

Location: Voorhees, New Jersey  
Size: 642,000 ft<sup>2</sup>  
Total Levels: 9  
Construction Dates: March 2008 - March 2011  
Construction Cost: \$323 Million



## Design Team:

Owner: Virtua Health  
Owner's Rep: Hammes Company  
Architect/Engineers: HGA Architects and Engineers, LLC  
Geotechnical Engineer: Lippincott & Jacobs Consulting  
Elevator Consultant: Lerch, Bates, & Associates  
Construction Manager: The Turner Company

## Lighting/Electrical

- (6) 2000 KVA units transform produce 277Y/480 Volt service
  - (3) 1500 KW generators provide emergency power
- Uses a rotary UPS in order to provide uninterrupted power during a power loss
- Majority of Interior Lighting is recessed fluorescent fixtures designed to follow IESNA recommendations



## Structural

Steel structure  
Concrete footings rest on concrete piers  
Steel bracing and moment frames  
Composite steel/concrete slab system  
Geopiers required to densify the loose soils



## Mechanical

- (10) Air handling units serving various portions of the building
- (3) 1,000 ton water cooled chillers, with an area for 2 additional chillers if needed
- (4) 2,083 GPM cooling towers, with an area for 2 additional towers if needed