

VIRTUA WEST JERSEY REPLACEMENT HOSPITAL

Building Info

Location: Voorhees NJ	Start/Finish: March 2008 -2011
Size: 690,000 SF	Delivery: CM at Risk GMP
Levels: 8 above / 9 total	Cost: \$450-\$500 Million

Justin Prior

Mechanical

Owner	Virtua
Architect	HGA
Engineer	HGA
CM	Turner

ARCHITECTURE

- 360 Patient Rooms
- 690,000 SF
- 8 story bed pavillion, 4 story auxiliary space, central utility plant
- Large glass curtain wall along front face
- Aluminum siding and stone veneer along sides



MECHANICAL

- Domestic hot water, heating provided by 4 steam boilers
- 3 1000 ton centrifugal chillers
- 3 sets of VAV AHUs
- 3 cooling towers



STRUCTURAL

- W14 columns
- Cast in place lightweight concrete floors on 3" steel deck
- Typical bay size 32' x 32' for patient pavillion, 31' x 29' auxiliary space
- Steel frame bracing and moment connections for lateral reinforcement



LIGHTING/ELECTRICAL

- 12.5 KV service distributed to 6 substations
- 480/277 and 120/208 distributed throughout hospital
- 3 1500 KW backup generators
- 900 KW UPS system