

Lehigh Valley Hospital - Cedar Crest

Allentown, PA

Primary Project Team:

Owner- Lehigh Valley Hospital
Construction Manager- Whiting Turner
Executive Architects- Freeman White, Inc
Design Architect- Venturi, Scott Brown & Associates
Structural Engineers- O'Donnell & Naccarato
Civil Engineers- The Pidcock Company
LEED/MEP Contractors- TLC Engineering
Interiors- Freeman White, Inc



General Data:

Size: 310,000 sq ft
Number of Stories: 7 Occupied, 8 Total
Construction Dates: June 2005-December 2008
Total Cost: \$181 Million
Project Delivery: Design-Build

Structural:

Foundation

- 4 and 5 inch concrete slab on grade
- 12" concrete foundation walls along with interior footers

Framing

- Structural Steel
- 1-1/2" 22 gauge wide rib type 'B' galvanized roof deck

Facade

- Pre-cast concrete panels and 2 types of metal panels around the windows

Special Features:

- LEED Silver rating
- Turnover of first floor infill before the rest of the building
- Tie into existing structure and architecture

Mechanical:

- 14 AHUs and 3 Boilers, along with variable speed fans to heat and cool the building
- 6 Fan coil units

Lighting and Electrical:

- 2x4 & 2x2 lensed troffers with varying number of lamps typical
- 195 panel boards service the expansion
- 120V & 277V circuits for lighting
- 120/208V & 277/480V circuits for outlets