

Geisinger Hospital for Advanced Medicine Danville, PA



Statistics

Size: 300,600 sf, 9 stories

Total Project Cost: \$108,000,000

Construction Dates: June 2007- Spring 2010

Delivery Method: Design-Bid-Build

Project Team

Owner: Geisinger

Architect: Engineer, Interior Design: EwingCole

Civil Engineer: Borton-Lawson Engineering, Inc.

Construction Manager: Torcon, Inc.

Architecture

- Located in the existing Geisinger Main Campus
- Addition to existing hospital building
- Will apply for LEED certification
- Façade includes glazing, spandrel glaze, aluminum, and precast concrete

Structural

- Slab on grade with micropiles
- Steel frame system
- Operating rooms require thicker floor slabs
- Lateral system includes concentrically braced steel frames in both directions



Mechanical

- A new central chiller plant will be built
- An addition will be built to the existing boiler plant
- Four AHU's will be housed in the penthouse
- Two AHU's on the fourth floor will supply the operating rooms

Lighting and Electrical

- Existing 69 kV substation will be utilized
- New 12.47 kV- 480/277V substation will be built
- An emergency diesel generator will be added
- Lighting systems includes T8 lamps, electronic ballasts, and occupancy sensors

Jen Redington
Mechanical Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2009/jmr5029/>