

Indiana Regional Medical Center

Indiana, Pennsylvania

Architecture

The Indiana Regional Medical Center is a seven story full-service hospital in the heart of western Pennsylvania. It was first introduced to Indiana, PA in November of 1914. It is a 130,000 square foot facility that stands approximately 90 feet in the air. Its orange brick façade and concrete lintels have lasted throughout its several renovations. Each floor's functionality ranges between patient care, laboratory procedures, and office work.



Structural System

The Indiana Regional Medical Center is constructed of a seven story moment steel frame. A typical bay for this steel structure is 26' by 16'. These bays are typically comprised of W16, W14, and W10 beams and girders at 8' on center. The flooring throughout the building is composed of Composite Steel Deck with 3 1/2" of lightweight 3000 psi concrete fill netting and a total thickness of 5 1/2". The facility lays on a shallow foundation due to the placement of bedrock.



<http://www.engr.psu.edu/ae/thesis/portfolios/2011/cas5180/index>

Project Team

Owner: Not Released
Architect: Rea, Hayes, Large, & Suckling
Contractor: Not Selected
Engineer: Rea, Hayes, Large, & Suckling

Building Statistics

Size: 130,000 SF
Construction Dates: TBD
Delivery Method: CM at Risk

MEP Systems

- Rooftop cooling Towers
- Lab exhaust systems provided for specialized areas
- Three diesel powered emergency generators
- Heating, cooling, and ventilation primarily achieved using a variable air volume system
- 480V-208y/120V power distribution