# Doctors Community Hospital

Lanham MD

## Project Overview

- Function: Medical Hospital
- Size: 270,000 SF expansion
- Cost: $42 Million
- Delivery: Design-Bid-Build with a GMP from a CM@Risk
- Occupant: Doctors Community Hospital
- Dates: Nov '07- March'10

## Project Team

- Owner: Doctors Community Hospital
- CM: Gilbane Building Company
- Architect: CR Goodman Associates
- Structural: Mincin-Patel-Milano
- Mech & Electrical: Leach Wallace Associates

## Structure

- Steel columns and beams built up on existing steel construction
- Concrete footers with grade beams (~50% existing, 50% new)
- Lightweight concrete on metal deck to form composite slab
- Non-load bearing brick on metal stud facade

## Mechanical

- Roof mounted mechanical plant
- 90,000 CFM air handler feeding VAV boxes
- 425 Ton chiller
- Draw through 425 ton cooling tower
- (3) 2,678 MBH duel fuel boilers
- Medical Gas and Vacuum tubes feed each patient room

## Electrical/Lighting

- 1,200 Amp switchgear
- (2) 2,500 Amp switchboards
- 1,250 kVA Emergency Generator fed by 5,000 gal fuel tank
- Power fed vertically through stacked electrical rooms with multiple transformers in each
- Lighting typically consists of recessed 2x4 fluorescent lights

## Special Considerations

- Construction is occuring directly above and adjacent to an operational hospital. Outages must be coordianted with owner, and special dust and debris control is needed in renovation portions

## Architecture

- Patient rooms arranged on the outside with support areas in the center
- Brick facade with split-face CMU banding and cast stone window lintels
- Roof: Built up Styrene-Bitumen-Styrene system on 3" polystyrene foam

Daniel Alexander | Construction Mangement