

Johns Hopkins Hospital

Baltimore, MD

Medical Office Building

**Evan Hughes
Mechanical**

Project Team

Architect - ZGF, Washington DC

CM - Atlantic Builders, Baltimore MD

MEP - Leach Wallace Assoc, Baltimore MD

Structural - Columbia Engineering, Columbia MD

Architecture

The MOB is a multi-use medical facility with space for offices, examination rooms, administrative areas and special use areas.

The dedicated areas are used for dialysis, phlebotomy examination, laser treatment, radiology, and infusion.

Site size is 38,600 sq ft

Building size is 88,260 sq ft

Four stories, three above grade

Total projected cost 15.5 million

Dates of Construction June 2005 - March 2006

Mechanical

Six York rooftop dx package units provide 120,000cfm of supply air for a total of 367.5 tons of cooling.

All heating in the dx rooftop units is performed with electric coils and VAV boxes are also equipped with electric reheat coils.

Hot water is provided by a 225 gallon electric hot water heater.

Oxygen is supplied to the MOB at 55psig via a 1" supply line, tapped off the main oxygen storage facility.

Electrical

The building's main panel is a 2500KVA panel in the main electrical room in the basement. There are individual panels on each floor fed through a 3000KVA main switchgear.

Emergency power is provided by a generation facility located in the adjacent parking garage.

Structural

The building makes use of a braced steel frame. The columns support wideflange girders which in turn support open web joists.

