

**Executive Summary of
ASHRAE std 90.1-2004 as applied to
Johns Hopkins Hospital Medical Office Building.**

The MOB is an 88,000 square foot building located in Baltimore Maryland. It consists of four floors, Basement, First, Second and Third. The building is served by six, nearly identical packaged rooftop dx units.

Four of the air handling units, one through four, serve the Basement, First and Second floors. The Third floor is served by AHUs 5 and 6.

In this technical report, the MOB will be evaluated in terms of compliance with std 90.1-2004 for envelope compliance and electrical usage. The lost rentable space and mechanical system first cost will be given. The building will be evaluated in terms of its LEED rating. An energy simulation has also been run on the MOB using HAP, the simulation results will be shown and discussed.