

1.0 **Executive Summary:**

The purpose of this report is to collect and summarize all the information generated by work completed throughout this semester, in an effort to propose ideas for a mechanical system redesign of the Montgomery County Conference Center and Hotel (MCCCH) in Rockville, MD. If approved, this proposal will serve as a guideline for research to be completed during the spring semester 2005.

To begin, MCCCH's existing mechanical system is revisited in order to spark redesign ideas. Redesign objectives are then evaluated. Numerous redesign options are considered but narrowed down in order to create a realistic thesis proposal. The main elements of the proposal are thoroughly explained and justified with regard to building integration and coordination. Several supporting breadth topics relating to the building's mechanical redesign are also presented. Finally, a tentative schedule of events for the spring semester is included. (Both the main proposal topic and schedule are subject to change at any time.)



Architectural renderings compliments of RTKL Associates