

Mechanical Systems Project Proposal
December 15, 2006

Breadth 1 - Electrical

The proposed mechanical redesigns could have serious impacts on the electrical design for the project. Since the air-handlers will be reduced in size, the power requirements will also be reduced. The removal of the VAV boxes with the VAV system will also reduce power requirements. Potentially removing electric chillers will also remove a large load from the building. Based on the proposed mechanical changes, the electrical system will be evaluated and wire sizes, feeders, conduits, panels, and over current protection devices will to be resized to reflect the mechanical system changes.