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## **Executive Summary - Depth:**

The depth and breadth proposals explain what I will redesign and how it will be redesigned during the spring semester in 2006. The four spaces chosen shall involve a redesign of the lighting and electrical systems. The lighting design will focus on task-oriented lighting design, with strong emphasis on controls. At the same time, every effort will be made to reduce power densities so as to promote a “green” building design. The electrical redesign will encompass the lighting redesign, but will also involve switching the main building service from 208Y/120 to 480Y/277V. In addition, the existing cogen unit will be investigated to see if replacing the stand-by generator is a possibility. Also, the photovoltaics will be investigated to see if it makes sense from a monetary versus LEED credit standpoint to add more cells.