



Executive Summary

The following report contains a proposal for depth and breadth work that I will complete for my thesis on the Franklin Care Center. Depth work will be completed for lighting and electrical design. I have chosen to focus on the main entrance lobby, physical therapy suite, chapel and courtyard for the lighting depth. The lighting in these spaces will be redesigned to create a residential atmosphere while catering to the visual needs of the elderly. Energy efficiency of the design is imperative to earning LEED points. In the electrical depth I will relocate and increase the number of step down transformers. The feeders will then be resized and the cost of each system will be compared, serving as my construction management breadth work. Since the Franklin Care Center will be a LEED certified building, a LEED breadth work will also be performed. A perimeter control system will be laid out to earn LEED Indoor Environmental Quality Credit 6.1 Controllability of Perimeter Systems.