

## **A. Executive Summary:**

This technical assignment contains the summary of critical industry issues discussed in the 15<sup>th</sup> annual PACE roundtable held on October 12, 2006. The roundtable consisted of three different discussion sessions each containing 3-4 sub groups. The topics of these discussion sessions summarized range from start-up, operating and maintenance to education and workforce issues for BIM and building respect with owners and operators. These sessions helped to gain insight into issues that are present in the construction industry currently as well as to establish contacts with industry personnel that will be assisting in the research aspects of this report.

Also included in this technical assignment is an identification of a critical issue that will be research. The critical issue identified in this section of the report is the commissioning of fit-out type projects focusing on healthcare/hospital facilities. A problem statement, research goals and data collection tool have been developed to complete the research of this issue.

The third section of this report identifies three problem areas specific to the project being studied at depth in the previous technical assignments which is the 5<sup>th</sup> and 6<sup>th</sup> floor fit-out and cardiac elevator addition to the Lancaster General Hospital, Lancaster PA.

In the final section of this technical assignment are the technical analysis methods. Three technical analyses are described and include the steps that are required to complete the analysis for each.

Additional material presented includes the weight matrix that illustrates how my effort will be distributed in the spring semester among the three technical analyses and issues research.