



## Executive Summary

This technical assignment serves as a starting block for research and analyses that will be drawn over the next few months. Attending the 14<sup>th</sup> Annual **PACE Roundtable** at the Penn State Hotel and Conference Center was a great source to converse with current industry members and issues affecting the construction business today. With an interest in project and in-house team development, it seemed only natural to attend both *Team Building* sessions. At the conclusion of the morning discussion groups, it was quite evident that the brief and unmotivated *Project-Level Team Development* discussion should be a topic of concern.

Here is where research interests lie. As construction projects get larger and more technical, the interaction of design teams and contractors is one of the most important aspects of any job, yet is often overlooked. In the construction industry, seeing as though projects may last from a few months to a few years, temporary teams affect the way they perceive their working relationships with each other. While looking at team building and partnering, one would hope to get a better understanding of processes to enhance the communication and trust between companies. When looking at the value engineering process and the increased communication between different project teams, having a mutual objective may improve the outcome.

In addition to the current industry issues, initial research and methods analyses discuss possible variations to systems within the Capital One Lecture Hall. Some of the proposed alternates include the redesign of the HVAC system, the steel catwalk, the support system for the garden atrium skylight, and other construction management issues. The research information includes a problem statement, accompanied by its relevant methodology for analysis.