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Construction Management Option
Technical Assignment 3
Executive Summary



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Executive Summary

This paper will focus on research ideas and methodologies for the spring semester. Included in this document are the results of sessions attended at the PACE Roundtable, a critical issue facing the industry and the associated research idea proposed, multiple problematic areas of Health and Counseling Services from a technical standpoint, and three of the aforementioned problem areas with associated research intentions. Technical assignment #3 will be the basis of a thesis research proposal in December.

At the 15th annual PACE Roundtable, three sessions were attended. These sessions were green building materials, building information modeling (BIM) with respect to education and workforce, and the last session discussed building respect with subcontractors. During each of these small group discussions, the industry members and students talked about critical issues that construction was facing and some proposed solutions. The green building sessions helped to formulate the basis of my industry research.

The critical industry problem that will be the basis of future research is related to LEED design. More specifically, LEED and the cost increase that subcontractors and general contractors apply to LEED projects due to inexperience or misconceived notions of LEED design. This will be accomplished through interviews, surveys, phone conversations, and analysis of LEED points.

Through a technical analysis and constructability review many problematic areas were located. Due to time constraints, three of these problems will be studied in further detail. These three problems are non typical steel sizes of structural members, curtain wall schedule, and the emergency electrical system.