

TECHNICAL ASSIGNMENT #3
ALTERNATIVE METHODS AND RESEARCH

Fairfax High School Renovation & Addition
3500 Old Lee Highway
Fairfax, VA 22030



A. EXECUTIVE SUMMARY

This technical assignment explores the areas of the Fairfax High School renovation and addition that are good candidates for research, alternative methods, value engineering, and schedule compression which will be used in my final proposal. This report is intended to give the reader a preview of my research topic and building systems analyses. The reader will also be given a description of my research methods that I plan to use to address these issues.

The Critical Industry Issues section provides a summary of the sessions that I attended at the PACE Research Seminar. At the PACE seminar, students were given the opportunity to converse with leading industry professionals about these topics, which included green design, BIM modeling, and gaining respect in the industry so that I could explore different research topics and gather information and questions that were generated.

The problem identification section identifies several areas for future analysis as part of my senior thesis project. These areas include value engineering analysis, constructability review, and schedule reduction / acceleration.

Lastly, I have briefly outlined the methods that will be used to help analyze each technical area. The Fairfax High School project will be studied to address how these topics will affect the value, schedule and constructability of the job.