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Construction Management
The Pennsylvania State University Recreation Hall
CM Thesis Proposal Part I: Critical Thesis Issues



Executive Summary

This report focuses on three main topics surrounding the Penn State Rec Hall Addition and Renovation. The first topic is the site layout during steel erection. Four drawings have been developed to portray this layout, which was a critical issue during construction due to the very compact site.

The second topic focused on is scheduling. Two schedules were developed, one for the renovation phase and one for the addition phase. The renovation phase schedule is covers all activities linked to the three areas of the building that require renovation. The three areas are the wrestling area, the new wrestling team locker room and the new training room for all sports teams whom have offices in Rec Hall.

The third topic discussed throughout this report is estimates. Three different types of estimates were created for this project. The first was an assembly's estimate which covers the fire suppression system that will be installed in the addition phase of the project. The second was a general conditions estimate which encompasses all costs the construction management firm may encounter throughout the construction of the building. The third was a detailed estimate of the structural system for the addition section of the building. This estimate includes costs for the mini-piles, concrete foundation and structural steel.