

RUSTY HOFFMAN
CONSTRUCTION MANAGEMENT

URSINUS COLLEGE RESIDENCE HALL 2
COLLEGEVILLE, PENNSYLVANIA



A. Executive Summary

The second technical assignment for Ursinus College Residence Hall 2, located in Collegeville, Pennsylvania, analyzes key features of the project that affect project execution. These key features are the project schedule, a specific construction site plan, an assembly's estimate, detailed structural estimate, and a general conditions estimate.

Residence Hall 2 is one part of a three part construction plan that Ursinus College (UC) is currently undertaking. The first item analyzed in this assignment is a detailed project schedule. This schedule is highlighted by many key activities and milestones that are broken down in to a floor by floor sequence. It shows construction beginning in May 2006 with a substantial completion and building turnover date in late July 2007. The next item analyzed is the site layout plan. A site layout plan was developed for a specific construction phase, structural sequence, that illustrates how the site is set up and where trades are located at this time in construction. The third analysis is an assembly's estimate of the sprinkler system used in Residence Hall 2. This project utilizes a wet pipe system with a dry standpipe in each major stairwell. The next item completed is a detailed structural estimate. This project is built with CMU load bearing walls and precast plank as the structural system. A cost analysis of this will allow for other structural systems cost comparison to the one being utilized. The last item in this assignment is the calculation of a general conditions estimate for a 14 month timeframe. Certain items were provided by the construction manager, and other items were added in order to complete the general conditions estimate.