



Wellington Condominiums
Exton, PA
Spring Thesis Project
BUILDING FOR THE FUTURE

B. Critical Issue Research

B.1 Introduction to Critical Issue

A critical issue that is to be pursued further in research is the decisions that industry members make in providing and utilizing new products regarding formwork systems. Who makes the decision to use a new formwork product and when? Who takes the responsibilities and risks of new formwork system? Can a process and procedure be created and implemented to help aid the construction industry? What process of action can manufactures and suppliers do to promote new products effectively? These questions are going to be researched and analyzed in the construction industry in hope of providing real solutions to real world problems.

The theme of the report as to building respect in the industry goes much farther. “Building for the Future” and gaining respect with other industry members in communicating efficiently is a step towards a better working environment for all. Building respect will lead to building a brighter future for not only students but for everyone who works in and out of the construction industry.

The main research will explore the decision making methodology of new formwork products with the exemplary utilization of the Hambros Joist Composite Deck System. The Hambros Joist Composite Deck System is an innovative product to the construction industry. On a micro level, the Hambros Joist Composite Deck System on the Wellington Condominiums Project will be analyzed in a technical investigation by asking the question: ‘Was the Hambros Joist Composite Deck System a correct decision to be utilized on the Wellington Condominiums Project? Also where would this product be best utilized and the rational process for selecting this product?’ As part of the main research and analysis, the research goal is to define the decision process rational that industry members do in the adoption of new formwork products. It is in the hope of this research to solve some common issues that could be readily fixed and help alleviate common problems that the construction industry is having in the adoption of new formwork products.