

Nick Umosella

Presentation Outline

30 – 35 slides

1. Personal Introduction (1 slide)
2. Project Introduction (4 Slides)
 - a. West Village Background and Campus Master Plan
 - b. West Village Commons Project description
 - i. Construction
 - ii. Structural
 - iii. Site
3. Thesis Research Topic Introduction (3 slides)
 - a. Integrated Project Delivery (Industry Study)
 - b. Prefabricated Masonry Panel (Depth)
 - c. Structural (Breadth with construction analysis)
 - d. Energy (Breadth)
4. Integrated Project Delivery (7 Slides)
 - a. Definition and Background
 - b. West Village Commons Execution Guide
 - c. Design Clusters
 - d. IPD Effect on other analyses
5. Prefabricated Masonry Panels (4 slides)
 - a. Why IPD Allows Prefabrication
 - b. Schedule, cost, safety
 - c. Advantages
 - d. Disadvantages
 - e. Recommendation
6. Structural Analysis (4 slides)
 - a. Original Design
 - b. New Design, Calculations
 - c. Results
 - d. Advantages
 - e. Disadvantages
 - f. Schedule, cost, Phasing
 - g. Recommendation
7. Energy Breadth (4 slides)
 - a. West Village Layout, Apartments
 - b. Utility Plant Comparison to Shippensburg University
 - c. Initial Cost vs Long term savings
 - d. Recommendations
8. Conclusion, Acknowledgements (2 slides)