

Campus Square Building

Harrisburg, PA

Draft Presentation Outline

Andrew Martin | Construction Management | Advisor: Dr. Chris Magent

Introduction – 2 Slides

- Introduction to Self
 - o Andrew Martin – CM Option
 - o Interned with Wohlsen Construction (GC for the thesis building)
 - o Graduate (May), work for Hensel Phelps; Commission (May), MI Officer for PA National Guard
- Project Information
 - o Harrisburg, PA
 - o Mixed use project- LEED® Gold Certified, \$9 mill (Core and Shell)
 - o Design Build – GreenWorks Development (owner) Wohlsen Construction (GC)
- Criteria for Evaluation
 - o CM Depth
 - o Structural Breadth
 - o Mechanical Breadth

CM Depth Presentation – Prefabricated Panel: Sequence, Cost, Schedule Impacts- 8-10 Slides

- Background info pertaining to concept of implementation (Schedule acceleration)
- Concentration on building shell schedule and sequence changes
- Cost Data- Comparison slide of original general conditions vs. proposed & new vs. old façade costs (including reasoning behind cost changes/justification?)
 - o Proposed construction cost increase/GC savings
- Using a site plan with graphics, highlight the sequence changes, as well as overall locations of material storage/laydown, crane placement, and impacts of new methods.

Structural Breadth – Structural Connections to Superstructure Redesign 3-5 Slides Max

- Comparison of as-built vs. proposed wall assemblies
 - o Associated Loads of proposed methods
 - o Description of superstructure used for the building (steel moment resisting frame w/ composite deck, brick veneer)
- Proposed connections to be implemented onto the panels during construction
 - o Highlight design and bearing capabilities-impacts on construction

Mechanical Breadth – Prefabricated Panel: Sequence, Cost, Schedule Impacts- 3-5 Slides Max

- Comparison of thermal performance using H.A.M. software
- Indicate performance of glazing and windows (overall sustainable methods Campus Square)
- Energy Savings/ % reduction in Heat Loss; justification of increased price

Summary Conclusion/ Acknowledgements – 3 Slides max