

Nathanael Paist
Construction Management
Two Liberty Center – Arlington, VA
AE482 – Draft Presentation Outline
March 9, 2007

- 1) Introduction (*1 slide*)
- 2) Two Liberty Center (*4 slides*)
 - a) Project background and building facts
 - b) Details on analysis areas of the building
 - i) Building developer and project goals
 - ii) Mechanical system and tenant utilities
 - iii) Façade construction
- 3) Research – Building Efficiency and Sustainability for Developers (*6 slides*)
 - a) Topic introduction and background
 - b) Building efficiency and leasing structures
 - i) Recent trends in energy costs
 - ii) Development options and leasing structures
 - iii) Marketing efficient spaces
 - c) Decision tools for developers
 - d) Conclusions and personal insights
- 4) Breadth Analyses – Centralized mechanical system and structural impacts (*6 slides*)
 - a) Topic introduction and background
 - b) Mechanical breadth analysis
 - i) Existing mechanical system
 - ii) Proposed mechanical system
 - iii) Advantages and disadvantages
 - iv) Changes to leasing structure to accommodate mechanical changes
 - c) Structural breadth analysis
 - i) Redesigned floor structure for proposed mechanical system
 - ii) Other structural changes to accommodate new system
 - d) Conclusions and personal insights
- 5) Construction Analysis – Façade Construction (*8 slides*)
 - a) Topic introduction and background
 - b) Current façade construction plan
 - c) Proposed façade construction 1
 - i) Sequencing
 - ii) Schedule impacts, construction and occupancy (4D model)
 - iii) Site impacts
 - d) Proposed façade construction 2
 - i) Sequencing
 - ii) Schedule impacts, construction and occupancy (4D model)
 - iii) Site impacts
 - e) Recommendation for façade construction
 - f) Conclusions
- 6) Conclusions and Acknowledgements (*1 slide*)