

The Harry and Jeanette Weinberg Center
Mercy Hospital Medical Office Building
227 St. Paul Place Baltimore, MD 21202



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Structural
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Presentation Outline

Introduction (4-5 slides)

- Introduce myself
- Introduce Thesis Building
 - Project Team
 - Existing Conditions
 - Include Drawing of typical floor sections and braced frames
- Thesis Project
 - Thesis Problem (3-5 slides)
 - Redesign the Structural System for The Weinberg Center for an imposed height limitation that would have cut 10 feet off the total building height.
 - Criteria for Evaluation: Is the redesigned building economically competitive/comparable with the existing structure? Project cost (material and labor), constructability, and timetable changes are included in defining an economical comparison.
 - Technical Information (5-7 slides)
 - Slab Design (Typical Section)
 - Post-Tensioning Layout
 - Reinforcing Layout
 - Will include drawings and summary of slab design
 - Beam Design (Typical Section)
 - Post-Tensioning Layout
 - Reinforcing Layout
 - Will include drawings and summary of beam design
 - Column Design
 - Dimensions
 - Layout
 - Will include drawings and summary of column designs
 - Impact on Foundations
 - Impact on other systems
 - Project Economics (5-6 slides)
 - Material Takeoffs
 - Labor estimates
 - Project Schedule
- Compare Projects (3-5 slides)
 - Cost changes
 - Constructability

- Timetable changes
- Breadth Topics (2-3 slides)
 - Acoustical Design of a Conference Room for The Weinberg Center
 - Lighting Design of a Conference Room for The Weinberg Center
- Conclusion (2-3 slides)
 - Is my project a viable alternative for the redesign given a height restriction
 - How I meet my criteria for evaluation
 - Revisit how my redesign allowed for a lower overall building height