

## The Towers at Greenville Place: Tower 'B'

### Presentation Outline

- I. Introduction
  - a. Introduction of myself
  - b. Project Information (6 slides - 3 Changes)
    - i. Name
    - ii. Location
    - iii. Building Function and size
    - iv. Cost
    - v. Project Team
    - vi. Project Duration
- II. Existing Structure
  - a. Foundations (2 slides - 1 change)
  - b. Floor system (2 slides - 1 change)
  - c. Gravity system (2 slides - 1 change)
- III. Problem Statement
  - a. Building weight (2 slides - 1 change)
    - i. Building could be considered heavy
  - b. Seismic Considerations (2 slides -1 change)
    - i. The effects of the building weight have adverse effects on seismic loads
- IV. Structural Redesign
  - a. Gravity System (4 slides - 2 changes)
  - b. Layout Consideration (4 slides - 2 changes)
  - c. Lateral Supports (4 slides - 2 changes)
  - d. Weight Comparison (2 slides - 1 change)
  - e. Seismic Comparison (4 slides - 2 changes)
- V. LEED/ Sustainability Studies (may not be covered in presentation, time/length dependent)
  - a. Green roof
  - b. Rainwater Collection
- VI. Construction Management Studies (4 slides - 2 changes)
  - a. Cost Comparison
  - b. Schedule Comparison
- VII. Conclusions (6 slides - 3 changes)
  - a. Comparisons of existing and proposed designs
  - b. Acknowledgments

Approximately 44 slides spread across three screens (about 22 different changes)



Shawn Brandt – Structural – Senior Thesis – April, 12, 2010

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  - Floor system
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- Problem Statement
  - Building weight
  - Seismic Considerations
- Structural Redesign
  - Gravity System
  - Layout Consideration
  - Lateral Supports
  - Weight Comparison
  - Seismic Comparison
- Construction Management Breadth
  - Cost Comparison
  - Schedule Comparison
- Conclusions