

Thesis Presentation Outline

I. Presentation Introduction (2 slides)

- a. Self
- b. Project (3 screens)
- c. Outline of Presentation/Topics (3 screens)

II. Project Background (4 slides)

- a. Location (1 screen)
- b. Building Type/Function (1 screen)
- c. Building Statistics (6 screens)
 - i. Cost/Contract Type
 - ii. Schedule
 - iii. Existing Systems

III. Scope of Work (3 slides)

- a. Problem Statement (1 screen)
- b. Problem Solution (1 screen)
- c. Project Goals (4 screens)
 - i. Structural Depth
 - ii. Architectural/Façade Breadth
 - iii. Construction Management Breadth

IV. Structural Depth Study (14 slides)

- a. Gravity System (12 screens)
 - i. Framing Plan
 - ii. Pre-Cast Plank Design
 - iii. D-Beam Design
 - iv. Column Design
- b. Lateral Force Resisting System (16 screens)
 - i. Impact of Lateral Loads
 - ii. Braced Frame Design
 - iii. Impact on Foundation
- c. Recommendation and Conclusion (1 screen)

V. Architectural/Façade Breadth Study (4 slides)

- a. Architectural Impact
- b. Thermal Gradients (2 screens)
- c. Cost Comparison (2 screens)
- d. Construction Time Comparison (2 screens)
- e. Recommendation and Conclusion (1 screen)

VI. Construction Management Breadth Study (4 slides)

- a. Cost Impact of Redesigned Structural System (2 screens)
- b. Overall Cost Comparison (1 screen)
- c. Overall Construction Schedule Comparison (1 screen)
- d. Recommendation and Conclusion (2 screen)

VII. Summary of Conclusions (1 slide, 2 screens)

VIII. Acknowledgements (1 slide, 1 screen)

Presentation Summary:

- Total of 33 slides
- Total of 65 screens
- Both Architectural and Construction Management Breadths will be presented