**Thesis Presentation Outline**

* **Introduction (1)**
* **Building Overview (2)**
  + Location
  + Building Statistics
* **Existing Conditions (4)**
  + Floor System
  + Columns
  + Lateral System
  + Foundation
* **Proposal Summary (1)**
* **Goals (1)**
* **Depth Study (16)**
  + Gravity System Redesign *(5)*
    - Gravity Design Loads
    - Composite Metal Decking
    - Gravity Beams and Girders
    - Columns
  + Lateral System Redesign *( 5)*
    - Lateral Design Loads
    - Special Moment Resisting Frames
    - Lateral System Member Design
    - Lateral System Layout
    - Serviceability
  + Progressive Collapse Design *(5)*
    - Progressive Collapse
    - Critical Member Layout
    - Virtual Work
    - Virtual Work
    - RAM Elastic Design & Analysis
  + Structural System Redesign Summary *(1)*
* **Breadth Study (5)**
  + Acoustics Study *(2)*
    - Layout of Penthouse and 5T Level Offices
    - Analysis Results
  + Construction Management Study *(3)*
    - Schedule Analysis
    - Cost Analysis
    - Comparison
* **Conclusions (2)**
  + Goals *(1)*
  + Recommendations *(1)*
* **Acknowledgments (1)**
* **Questions (1)**