

## Draft Final Presentation Outline

Total Number of Slides: **31**

- I. Building Introduction **(2)**
  - A. Building Information
    1. Location, size, height, stories, lower levels
    2. Architectural information
    3. Site Information
- II. Existing Structure **(2)**
  - A. Existing Gravity System
    1. Flat plate, two-way slab system, camber
    2. Concrete columns
    3. Load bearing concrete shear walls
  - B. Existing Lateral System
    1. Special concrete core shear walls
    2. Moment frame at penthouse level
    3. Torsional irregularity
- III. Proposal **(2)**
  - A. Design Scenario
  - B. Proposed Solution
- IV. Gravity System Design **(6)**
  - A. Preliminary vibrations analysis
  - B. Gravity beam layout
  - C. Loads
  - D. RAM Gravity Designs
  - E. Final vibrations analysis of beam layout
- V. Lateral System Design **(11)**
  - A. Base shear comparison for seismic and wind – seismic controls
  - B. Lateral system Layout
  - C. RAM Model lateral verification
  - D. Moment Frame Design
  - E. Shear Wall Design
  - F. Lateral system verification
- VI. Construction Breadth **(5)**
  - A. Cost Analysis
  - B. Schedule Analysis
- VII. Conclusion **(1)**
  - A. Redesign recap
  - B. Final recommendations
- VIII. Acknowledgements **(1)**
- IX. Questions? **(1)**