Presentation Outline

I. Introduction to project and self (1 slide)

II. Building Introduction (6 slides)
   a. Statistics
   b. Project team
   c. Existing Structural System

III. Problem Statement (1 slides)
   a. What is the scenario?

IV. Proposed Solution (1 slides)
   a. What is the solution?
   b. Develop a linear “line” solution to show how a potential solution was thought through

V. Gravity Redesign (10 slides)
   a. Queen Post Girder
   b. Floor System Selection

VI. Lateral Redesign (5 slides)
   a. Concrete cast-in-place shear walls
   b. Discuss load paths
   c. Discuss relationship to steel plate shear walls in existing design

VII. Mechanical (5 slides)
   a. Sizing ductwork TO FIT QUEEN POST GIRDER!
   b. Envelope study
      i. Elimination of thermal bridge on fourth floor

VIII. Architectural (4 slides)
   a. Redesign vs. Existing render
   b. How does the new structural system impact the architecture?

IX. Conclusion (4 slides)
   a. Where the goals met?
   b. Overall conclusion
   c. Acknowledgements

X. Appendices (as required)
   a. Include honors section here (?) Timber concrete composite systems

37 slides