Thesis Presentation Outline

1. Introduction
   1. Myself, Option
   2. Existing Building / Proposal / Project Information
   3. Outline – quickly discuss to ensure audience knows what to expect (mention breadth not being covered)
2. Column Layout
3. Slab Design
   1. Sp Slab Results, Equivalent Frame Method Results
   2. Final Design Details
   3. Final Waffle Slab Floor Plan Views
4. Columns
   1. Calculation of Column Loads (Axial and unbalanced Moments)
   2. Final Column Details
5. Special Structural Designs
   1. Corbel Design
      1. Why need Corbels, Calculations, loads, results, and final design details
   2. CMU Wall and Lintel Designs
      1. Calculations, loads, Final Design Details
6. Total Building Weight
7. Lateral System Force Design (Wind and Seismic)
   1. Calculation of Loads
      1. Load Combinations and Cases
   2. Type of System – shear walls
   3. Calculations and Details of Final Shear Wall Designs (Shear and Flexure)
   4. Floor Plan Layout of Shear Walls
   5. Story Drift checks (Serviceability and Strength Checks)
8. Structural Comparisons of Building
   1. Weight, Effect on Foundation, Floor To Ceiling Height
9. CM Breadth
   1. Takeoffs and Schedule For New Structure
   2. Takeoffs and Schedule For Original Structure
   3. Comparison
   4. Cost Analysis Results
10. Final Summary and Conclusion – Finish By Thanking Audience and Opening The Floor For Questions