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Chicago, Illinois
Mechanical Option
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Presentation Outline

- I. Introduction (1 screen)
- II. Building Overview
 - A. Site Location (1 screen)
 - B. Façade and Roof (1 screen)
 - C. Existing Mechanical System
 - 1. Cooling/Ventilation (1 screen)
 - 2. Heating (1 screen)
 - D. Energy Consumption (1 screen)
- III. Thesis Objective
 - A. Chicago Building Code Analysis (1 screen)
 - B. Chicago Green Energy Plan (1 screen)
- IV. Mechanical Depth
 - A. RTU Resize
 - 1. Ventilation, Load, and RTU Selection Analysis (1 screen)
 - 2. Fan Selection Analysis & Schematic (1 screen)
 - B. Energy Comparisons
 - 1. Overview, Utility Cost, Energy Usage (1 screen)
 - 2. CBC vs. IBC/IMC Energy Breakdown (1 screen)
 - C. Pollutant Emission Comparisons (1 screen)
- V. Structural Breadth
 - A. Roof Framing Plan and loads (1 screen)
 - B. RTU-2 Framing Analysis (1 screen)
 - C. RTU-1 Analysis and Cost (1 screen)
- VI. Electrical Breadth
 - A. Panel schedule, branch wire size and cost savings (1 screen)
- VII. Overall Evaluation (1 screen)
- VIII. Conclusion/Acknowledgements (1 screen)

Total: ~19 screens