

Justin Schultz – Mechanical Option
The Hauptman-Woodward Medical Research Institute
Thesis Presentation Outline
Advisor: J. Freihaut

Senior Thesis Final Presentation Outline

- I. Title/Introduction (1 slide)
- II. Building Background (2 slides)
 - a. History of project, location, size, cost, site map, etc.
- III. Project Team (1 slide)
 - a. Owner, architect, engineers, contractor
- IV. Existing Conditions (4 slides)
 - a. Architectural
 - b. Lighting/Electrical
 - c. Structural
 - d. Mechanical/ Site Conditions
- V. Mechanical Depth (DOAS/Radiant) (8 slides)
 - a. DOAS Design
 - b. Radiant Heat/Cool Design
 - c. Lab Considerations/ Contaminant Study
- VI. Wind Power Breadth (3 slides)
 - a. Turbine Spec
 - b. NYSERDA financial credit
 - c. Cost Payback Analysis
- VII. Lighting Power Density or DOAS Cost Analysis Breadth (3 slides)
 - a. Lighting PD existing, luminaires
 - b. Basis of redesign
 - c. Benefit or Detriment?
- VIII. Conclusions (1 slide)
- IX. Acknowledgements (1 slide)
- X. Questions (1 slide)

Total Slides: **25**