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Architectural Engineering- Mechanical Option
University of Miami Interdisciplinary Laboratory
Draft Presentation Outline
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I. Greetings: 1 slide

- A. Title slide

II. Self Introduction: 1 slide

- A. Where I'm from
- B. Extra curricular
- C. Program
 - 1. why
 - 2. internships

III. Building: 5 slides

- A. Slide 1
 - 1. building name
 - 2. images
 - 3. type and use
 - 4. stats
- B. Slide 2
 - 1. building layout
 - 2. labs/offices
 - 3. 1st, 2nd, 3rd-9th floors, penthouse
- C. Slide 3
 - 1. mechanical system
 - 2. lab/office
 - 3. loads
- D. Slide 4
 - 1. structural system
 - 2. concrete/steel sizes/types
- E. Slide 5
 - 1. electrical system
 - 2. panels
 - 3. total load

IV. Project: 6 slides

- A. Slide 1
 - 1. big energy users
 - 2. CAV
 - 3. 100% OA latent load
- B. Slide 2
 - 1. CAV-VAV
 - 2. adjusted cfm
 - 3. energy savings
- C. Slide 3
 - 1. spray desiccant dehumidification
 - 2. cools/dehumidifies
 - 3. equipment
 - 4. energy savings
- D. Slide 4
 - 1. structure for new equipment
- E. Slide 5
 - 1. electrical feed for VAV and Kathabar
- F. Slide 6
 - 1. new costs
 - 2. cost comparison
 - 3. payback time

V. Conclusion: 3 slides

- A. Slide 1
 - 1. go with new system?
- B. Slide 2
 - 1. suggestions for further work
- C. Slide 3
 - 1. Acknowledgements