Preliminary Outline for Thesis Presentation on April 16, 2007

Introduction to Presentation (3 slides)

- brief overview of presentation outline
 - o building summary, current system, proposal, gravity/lateral, other structural factors (pt further analyzed)

General Build Summary (2-3 slides)

• square footage, height, etc.

Current Building Systems (5-6 slides)

- gravity, lateral, foundation
- any other special features

Proposal Description (2 slides)

- explain what is to be proposed and for what purpose
 - o considerations: time, cost, feasibility, satisfaction of architectural requirements
- explain briefly why breadth options were chosen

Alternate Gravity Systems (6 slides)

- composite system redesign
- explain what bay size, what was changed, what was kept
- foundation changes due to switch from conc. to steel
- floor thickness and rationale behind it: is it a better replacement to current system?

Alternate Lateral Systems (5 slides)

- shear walls in place of moment framing
- plan of placement and design
- feasibility: is it a better replacement to current system?

Other Structural Factors (3 slides)

- steel connections
- construction of shear walls
- composite complications
- foundation changes
- 2-way post-tensioning

Breadth Options

- Construction Management (7 slides)
 - o present current scheduling and pricing
 - o present alternate designs scheduling and pricing
 - o changes in crane location, etc.
- Lighting/Electrical (3-4 slides)
 - o change in floor thickness: how much effect does it really have on interior design
 - o possible alternatives: copper to aluminum wiring, etc.

Conclusion (2 slides)

- were the alternatives better options?
- how about in respect to the 2 other breadth options?
- recommendations, questions?



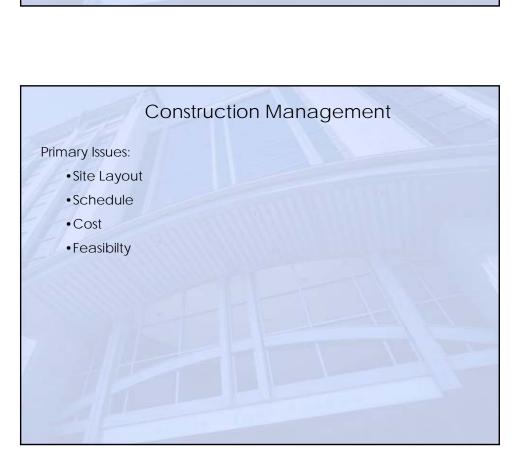
Presentation Outline

- Building Summary
- Current Systems
- Proposal Description
 - Gravity
 - •Lateral
 - •Other Structural Factors
- Breadth Options
 - •Construction Management
 - •Lighting/Electrical
- Conclusion
 - Questions



Presentation Outline • Building Summary • Current Systems • Proposal Description • Gravity • Lateral • Other Structural Factors • Breadth Options

- Construction Management
- •Lighting/Electrical
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Construction Management Primary Issues: • Site Layout • current system: crane, etc. • for alternate design: crane, lay down area, etc.

