

Preliminary Outline for Thesis Presentation on April 16, 2007

Introduction to Presentation (3 slides)

- brief overview of presentation outline
 - 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
 - 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)
 - present current scheduling and pricing
 - present alternate designs scheduling and pricing
 - changes in crane location, etc.
- Lighting/Electrical (3-4 slides)
 - change in floor thickness: how much effect does it really have on interior design
 - 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?

901 NEW YORK *Avenue*



TIMOTHY H PARK – STRUCTURAL OPTION

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
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- Breadth Options
 - **Construction Management**
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Construction Management

Primary Issues:

- Site Layout
- Schedule
- Cost
- Feasibility

Construction Management

Primary Issues:

- **Site Layout**

- current system: crane, etc.
- for alternate design: crane, lay down area, etc.

Construction Management

Primary Issues:

- **Site Layout**

