PRESENTATION OUTLINE

1. Introduction
   a. Presentation Outline (1)
   b. Building Statistics (1)
   c. Existing Structure (3)
   d. Redesign (1)
2. Base Steel Redesign
   a. Layout (2)
   b. ETABS Model (2)
   c. Results (2)
3. Progressive Collapse (1)
   a. References and Level of Protection (1)
   b. Tie Force Method (3)
   c. Alternative Path Method
      i. Purpose/References (1)
      ii. Procedure (4)
      iii. Removal of Column F5 (5)
      iv. Removal of Column A.8-2.4 (3)
      v. Non-Linear Analysis (2)
   d. Enhanced Local Resistance (3)
   e. Atrium Façade Analysis (3)
4. Architecture Breadth (3)
5. Construction Management Breadth (2)
6. Conclusion (2)

Total Number of Slides: 45
Brian Rose:
Structural Option

UNITED THERAPEUTICS: PHASE 2B

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