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Structural Option
Advisory | Dr. Said
181 Fremont

Draft Presentation Outline: 25 Screens Total

I. Introduction (2)
   a. Overview of presentation organization
   b. Depth
   c. Breadth topics
      i. Overview of breadths done
      ii. Will present construction breadth topic

II. Existing Building Description (5)
   a. Location and background
   b. Architecture/layout
      i. Incorporation of mega-brace in aesthetic
      ii. View from ground level
      iii. Office vs. residential typical layout
      iv. Attachment to new Transbay terminal rooftop at level 5
   c. Seismic lateral design
      i. Performance based design approach
         1. Objectives beyond code level analysis
   d. Wind occupant comfort design

III. Thesis Purpose and Proposal (1)
   a. Traditional design to compare to existing mega-frame
   b. Proposed solution

IV. Depth (10)
   a. Overview
   b. Seismic analysis/approach
      i. Base shear
   c. Seismic design
      i. Moment Frames
      ii. Outriggers
   d. Wind comfort criteria
   e. Gravity system impact

V. Comparison/Conclusions (3)
   a. Seismic analysis types and base shears
   b. Systems performance
   c. Lead-in to breadth topic

VI. Construction Breadth Topic (2)
   a. Cost/constructability

VII. Final Conclusions (1)

VIII. Closing Slide/questions (1)