

Final Presentation Outline

- I. Introduction
 - a. Title Slide (2)
 - b. Personal (1)
 - c. Building
 - i. Building Statics (1)
 - ii. Project Team (1)
 - iii. Architectural (1)
 - iv. Existing Structural System
 1. Gravity System (1)
 2. Lateral System (2)
 3. Foundation (1)
- II. Problem Statement
 - a. Use of FVDs to prevent structural yielding in major seismic events (1)
- III. Proposed Solution
 - a. Background on FVDs (1)
 - b. Goals of FVD design (2)
- IV. Lateral System Redesign
 - a. Demand-Capacity Ratios (1)
 - b. Plastic Hinge Formation (1)
 - c. Pushover Analysis (1)
- V. FVD design and selection
 - a. NONLIN SDOF model (1)
 - b. Damper implementation in structure (4)
- VI. Cost and Schedule Impact
 - a. Cost Analysis (2)
 - b. Schedule Analysis (1)
- VII. Architectural Impact
 - a. Façade Impact (3)
 - b. Interior Wall Impact (1)
- VIII. Conclusions
 - a. Study Conclusion – Have the goals been met? (1)
 - b. Acknowledgements (1)

Total Number of Slides – 29 slides