

## Presentation Outline

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|-------|---|----------------|
| I.    | Introduction of self and SteelStacks Performing Arts Center | (1)            |
| II.   | Building Introduction                                       | (3-4)          |
|       | a. Building Stats   |                |
|       | b. Project Team   |                |
|       | c. Architectural Highlights                                 |                |
| III.  | Existing Structural System                                  | (3)            |
| IV.   | Problem Statement/Scenario                                  | (1)            |
| V.    | Proposed Solution and Objectives                            | (1)            |
|       | a. Gravity : one-way slab and beam system (RC vs PT)        |                |
|       | b. Lateral: shear wall system                               |                |
|       | c. Impact on other systems                                  |                |
| VI.   | Gravity Redesign  | (7)            |
|       | a. Areas of concern   |                |
|       | b. RC one-way vs. PT system                                 |                |
|       | c. Benefits & Concerns                                      |                |
| VII.  | Lateral Redesign  | (3)            |
|       | a. Load Paths   |                |
|       | b. MAE Component – computer model                           |                |
| VIII. | Acoustic Analysis   | (1)            |
|       | a. Reverberation Time                                       |                |
|       | b. Sound Transmission                                       |                |
| IX.   | Architectural Impact Study                                  | (1)            |
|       | a. Creative Commons   |                |
| X.    | Comparison of Systems                                       | (1-2)          |
|       | a. Goals met?   |                |
| XI.   | Final Comments  | (2)            |
|       | a. Conclusion   |                |
|       | b. Acknowledgements   |                |
| XII.  | Supporting Tables   | (As Necessary) |