

OUTLINE

- 1.0 Presentation Introduction (2 slides)
 - 1.1 Self
 - 1.2 Project (3 screens)
 - 1.3 Outline of Presentation and Topics (3 screens)

- 2.0 Project Information (1 slide)
 - 2.1 Design Goals (1 screen)
 - 2.2 Building Information (1 screen)

- 3.0 Existing Conditions and Building Overview (2 slides)
 - 3.1 Architecture/Building Enclosure, Sustainability (1screen)
 - 3.2 Mechanical, Electrical, Lighting (1screen)
 - 3.3 Construction, Structural (1screen)
 - 3.4 Fire Protection, Telecommunications, Transportation (1screen)

- 4.0 Overview of Proposed Mechanical Redesign (1slide)
 - 4.1 Introduction
 - 4.2 DOAS with Passive Chilled Beams (1 screen)
 - 4.3 Solar Thermal Water Storage System (1 screen)

- 6.0 DOAS with Active Chilled Beams - Mechanical Depth (8 slides)
 - 6.1 Redesign Objective (2 screen)
 - 6.2 DOAS with Active Chilled Beam System Description
 - 6.2.1 Advantages/Disadvantages (1 screen)
 - 6.2.2 Assumptions (1 screen)
 - 6.2.3 Energy Consumption and Cost of Redesign (4 screens)
 - 6.3 System Comparison to Existing (6 screens)
 - 6.4 Recommendations and Conclusions (2 screens)

- 7.0 Solar Thermal Water Storage System - Mechanical Depth (4 slides)
 - 7.1 Design Objective (1 screen)
 - 7.2 Assumptions and Design Techniques (2 screens)
 - 7.3 Conclusion and Recommendations (4 screens)

- 8.0 Structural Breadth Study (3 slides)
 - 8.1 Design Objectives (1 screen)
 - 8.2 Assumptions and Design Strategies (1 screen)

- 8.3 Floor Slab System Redesign (1 screen)
- 8.4 Girder Redesign (1 screen)
- 8.5 Recommendations and Conclusions (1 screen)

9.0 Construction Breadth Study (4 slides)

- 9.1 Objectives
- 9.2 Assumptions and Redesign Methods (1 screen)
- 9.3 Schedule Acceleration (1 screen)
- 9.4 Overall Cost Analysis of Existing vs. Redesign (4 screens)
- 9.5 Conclusions (1 screen)

10.0 Overall Evaluation of Redesign (1 slide, 2 screens)

11.0 Credits and Acknowledgements (1 slide, 1 screen)

Presentation Summary:

- Total Number of Slides: 27
- Total Number of screens: 52
- Both Structural and Construction breadths will be presented

