

Thesis Presentation Outline

- **Introductory Slides (4 slides)**
 - Title Slide
 - About Myself
 - Presentation Outline
 - Evaluation Criteria
- **Existing Building Conditions (3 slides)**
 - Information about Manoa Elementary School and the design Objectives
 - Site Plan
 - Typical Floor Plan Layout (Overview)
- **Existing Mechanical System (3 Slides)**
 - Mechanical System Overview
 - System Schematics
 - Chilled Water
 - Hot Water
- **Mechanical Depth Study (22 Slides)**
 - Ground Source Heat Pump- Well Type
 - Objectives
 - Systems it will replace
 - Assumptions
 - Calculations
 - System Schematic
 - Results and Summary
 - Ground Source Heat Pump- Loop
 - Objectives
 - Systems it will replace
 - Assumptions
 - Calculations
 - System Schematic
 - Results and Summary
 - Air Source Heat Pump
 - Objectives
 - Systems it will replace
 - Assumptions
 - Calculations
 - System Schematic
 - Results and Summary
 - System Comparison
- **Construction Management Breadth (5 Slides)**
 - Objectives
 - Assumptions
 - Calculations and Tables
 - Results and Summary
- **Architectural Breadth Overview (3 Slides)**
 - Objectives
 - Results
 - Rendering
- **Conclusions (2 Slides)**
 - Benefits and costs of proposed systems
 - Additional Benefits incorporating façade redesign
- **Credits and Acknowledgements (1 Slide)**
- **Questions (1 Slide)**