

Nicholas Scheib  
Senior Thesis  
3/23/11

## The Sunshine Elementary School

### Final Presentation Outline

1. Title Slides- 3 Screens
2. Project Overview
  - a. Location- 2 screens
  - b. Goals- 1 screen
3. Project Existing Conditions
  - a. Original System- 1 screen
4. Proposed Redesign- Depth
  - a. Overview- 1 screen
  - b. Radiant Heating and Cooling
    - i. Benefits- 1 screen
    - ii. Capacities- 2 screen
    - iii. Cost- 1 screen
  - c. Low Velocity Ventilation
    - i. Benefits- 1 screen
    - ii. DOAS- Hybrid- 1 screen
    - iii. Cost Difference- 1 screen
5. Proposed Redesign- Breadths
  - a. Daylighting
    - i. Benefits- 2 screens
    - ii. Lowered Peak- 1 screen
    - iii. Annual Savings- 1 screen
    - iv. Cost Impact- 1 screen
  - b. Acoustics
    - i. Benefits- 2 screens
    - ii. RC difference- 1 screen
6. Overall Cost
  - a. Initial Difference of Changes- 1 screen
  - b. Life Cycle Cost Analysis- 1 screen
7. Non-Monetary Payback- 1 screen

**Screen Total= 26**