

# of Slides in Parenthesis following topic

1. Introduction
  - a. Name, Option, Advisor, Building, Image (1)
  - b. Presentation Outline (1)
2. Building Overview
  - a. Building Statistics (2)
  - b. Existing Mechanical Systems (4)
3. Proposed Redesign
  - a. Goals & Objectives (1)
  - b. Depths and Breadths Proposal Ideas (1)
4. Depth I: Load Reduction via Internal Shading
  - a. Existing Cooling Loads of DCUCF (1)
  - b. Description of Multifilm Shades Technology (2)
  - c. New Loads with shading devices (1)
  - d. Cost, Savings, Payback (1)
5. Breadth I: Solar PV Analysis
  - a. Roof plan with PV's (1)
  - b. Power generation & use (1)
  - c. Cost, savings, payback (1)
6. Depth II: DOAS & Chilled Beam Analysis
  - a. Advantages of system (1)
  - b. New required capacities (1)
  - c. System Schematic (1)
  - d. Cost, savings, payback (1)
7. Breadth II: Floor-to-Floot Height Reduction
  - a. Construction Time and Materials Savings (2)
  - b. Savings, Updated DOAS system savings (1)
8. Depth III: Chiller Plant Analysis
  - a. Trane TRACE Energy Consumption Results (1)
  - b. Chiller and equipment sizing (1)
  - c. Cost Analysis (1)
9. Conclusion
  - a. LCC Analysis & Recommendation (2)
  - b. Acknowledgements (1)
  - c. Questions? (1)