

- I. **Defense Information Systems Agency Headquarters Facility Intro (4 slides)**
 - a. **Introduction- Name, Option, Building Name**
 - b. **Presentation Outline-Order of Presentation**
 - c. **DISA HQ Background-Location, Construction Dates, Size, Method, Owner**
 - d. **DISA HQ- Building Map, Description, Architectural Program**

- II. **Existing Mechanical Summary (7 slides)**
 - a. **Central Utility Plant**
 - b. **Main Street/Service Corridor- Circulation, Piping Distribution Orientation**
 - c. **Central Cooling Plant-Configuration, Design, Size, Service, Schematic**
 - d. **Central Heating Plant-Configuration, Design, Size, Service, Schematic**
 - e. **General Office Spaces-UFAD System, Design Goals**
 - f. **TE Lab-Background, System, Server Loading**
 - g. **Common Building-Overhead System**

- III. **Design Objectives- Mechanical Depth (7 slides)**
 - a. **TE Lab Space Redesign-Rational, My design Goals**
 - b. **Alternative Description**
 - i. **New System Design- Built Up Chiller Plant/Water Cooled Server Racks**
 - ii. **Size-New plant Size plus downgraded Central Plant/Piping Size**
 - iii. **Schematics-New Plant Schematics**
 - iv. **Details-Water Cooled Server Racks**
 - c. **Analysis- Cost, Energy Analysis, Overall Feelings, Recommendation**

- IV. **Rainwater Breadth (5 slides)**
 - a. **Reason, Observations**
 - b. **System Description- Rainfall, Roof Area**
 - c. **Results- Yield of Catchment, Potential Usage**
 - d. **Design of Collection/Distribution Piping/Storage Tanks**
 - e. **Schematics of System (Elevation/Plan Schematic)**
 - f. **Recommendation**

- V. **Acoustic Breadth (3 slides)**
 - a. **Issue-Problem, Goal**
 - b. **Diagrams, Observations on Noise Problem**
 - c. **Analysis-Calculations, Results**
 - d. **Recommendation**

- VI. **Conclusion- Wrap Up, Final Recommendation, Thank You, Q &A (1 slide)**