

Draft Presentation Outline – AE Senior Thesis

Stephanie Deckard
Princeton Theological Seminary Library
Lighting | Electrical

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Faculty Advisor | Dr. Kevin Houser

- I. Introduction of self and project (1)**
- II. Scope of work and presentation including depth and breadth topics (1)**
 - a. Lighting depth
 - i. Architectural Breadth (mention structural breadth)
 - b. Electrical depth
- III. Lighting Depth**
 - a. Concept (1)
 - b. South Façade and grounds
 - i. Overview of space and criteria (2)
 - ii. floor plans of lighting; controls (1)
 - iii. Electrical info (1)
 - iv. Renderings (1)
 - c. Atrium
 - i. Criteria (1)
 - ii. Architectural breadth**
 - 1. Intro to atrium and why make changes (1)
 - 2. Daysim existing daylighting conditions (1)
 - 3. Architectural changes made (1)
 - 4. Daysim results after changes (1)
 - 5. Benefits and drawbacks of changes (1)
 - iii. floor plans of lighting; controls (1)
 - iv. Electrical info (1)
 - v. Renderings (1)
- IV. Electrical Depth**
 - a. Dual Power DC/AC
 - i. What can be run on DC/benefits and drawbacks (1)
 - ii. Show panelboard changes (brief) and new panels added (1)
 - iii. Cost and energy saving associated with adding DC power (1)
- V. Conclusion/Acknowledgements (2)**