

John Conley

Project | Oakland University Engineering Center

Option | Lighting + Electrical

Advisor | Shawn Good

Due Date | 03.30.2015

Draft Presentation Outline

- I. Introduction and Overview (7 spreads)
 - a. Building Overview (2 spreads)
 - b. Scope of Thesis work done this semester and what is to be covered in the presentation (sequence of 4 or 5 spreads)
- II. Lighting Design (20 spreads)
 - a. Overall Design Concept for the four spaces covered in report (2 spreads)
 - b. Lobby + Atrium lighting design solution | including concept, design criteria, renders, and topics of illuminance goals and lighting power densities met (9 spreads)
 - c. Auditorium lighting design solution including concept, design criteria, renders, and topics of lighting scene controls used, illuminance goals, and lighting power densities met (9 spreads)
- III. Electrical Design (2 spreads)
 - a. Describe the difference in load from the original and the studies done
- IV. Skylight Addition (9 spreads)
 - a. Introduction of Kalwall skyroof installation (1 spread)
 - b. Project Labs MAE Daylighting study related to the Kalwall skyroof installation (3 spreads)
 - c. Mechanical Breadth introduced | Discuss the implications that the new Kalwall skyroof has on the mechanical load (3 spreads)
 - d. Mention the structural impact that the skylights have on the space as well (1 spread)
 - e. Show the payback period calculations to show that Kalwall skylights have more benefit to provide than the initial cost to install them (1 spread)
- V. Summary and Conclusions (2 spreads)
 - a. Compare the initial goals and design criteria to what was completed with the final design (2 spreads)
- VI. Question and Answer Slides (5 spreads to answer some of the possible questions
*not part of the presentations)

**Estimated 40 total spreads for the presentation. This number may be greater if consecutive slides build off of each other. With 40 slides, the average time per slide would be 18-21 seconds which seems to be reasonably comfortable for how I like to present.