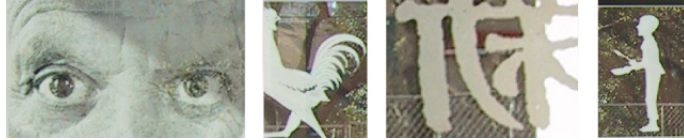


HARRY RANSOM CENTER RENOVATION

University of Texas at Austin



MICHAEL ANTHONY LOMBARDI

Lighting/Electrical Emphasis
The Pennsylvania State University
Dr. Richard Mistrick, Advisor

THESIS PRESENTATION OUTLINE

26 MARCH 2007

- I. Introduction** **1 slide**
 - Title page, including building name and photograph

- II. Building Overview** **1 slide**
 - Slide with select information on Harry Ransom Center as well as photographs to aid audience.

- III. Topics Outline** **1 slide**
 - Slide with information detailing what is discussed in the presentation.

- IV. Lighting Depth** **25 slides**
 - A. Overall design goals and listing of four redesign spaces.

 - B. Lobby (8 total slides)
 - 1. Architectural features and design goals.
 - 2. Lighting Layout, fixture schedule and related discussion.
 - 3. Renderings and further discussion of design.
 - 4. Pseudo illuminance images and discussion of bible half-wall, security desk.
 - a. Brief discussion of building's control systems.
 - 5. Special lighting: Gutenberg Bible (2 slides)
 - a. Discussion of challenges of lighting this piece and design solution.
 - b. Summary of solution and data results. Assess practicality of solution.
 - 6. Special lighting: First Photograph display
 - a. Discuss present design setbacks through HDR dynamic imaging study.
 - b. Discuss design solution and data results. Assess practicality of solution.
 - 7. Summary of lobby, including power density and overall effectiveness of design.

 - C. North and South Corridors, Theatre and Stair Lobbies (7 total slides)
 - 1. Architectural features and design goals.
 - 2. Lighting layout, fixture schedule and related discussion.
 - 3. Renderings and further discussion of design.
 - 4. Sculpture cove and art niche
 - a. Discussion of design objectives, assessment of effectiveness through raytrace images and pseudo illuminance renderings.
 - 5. Theatre Lobby, Stair Hall (2 slides)
 - a. Discussion of design objectives and lighting layout.
 - b. Renderings and discussion of design solution, power density, overall design effectiveness.
 - 6. Summary of corridors, including power density and overall effectiveness of design.

THESIS PRESENTATION OUTLINE

Michael A. Lombardi

The Pennsylvania State University

- D. Auditorium -- brief discussion (3 slides)
 - 1. Architectural features and design goals, present issues with lighting design.
 - 2. Lighting layout, renderings.
 - 3. Summary of theatre, including power density and overall effectiveness of design.

- E. Art Gallery (4 slides)
 - 1. Architecture features and design goals. Mention that architectural breadth work altered the architecture of this space considerably.
 - 2. Lighting layout, fixture schedule, related discussion.
 - a. Speak about flexibility of track/monopoint lighting busway system selected.
 - 3. Renderings and related discussion.
 - 4. Summary of overall design effectiveness and power density.

- F. Exterior Lighting (3 slides)
 - 1. Architecture summary and design goals.
 - 2. Lighting plan
 - a. Discuss metal halide downlights and related challenges with design.
 - b. Discuss etched glass entrance and lobby walls, show sketches and final renderings.
 - 3. Overall renderings, calculation grids. Discuss effectiveness and power density.

V. Electrical Breadth – Brief

2 slides

- A. Conversion from 120V to 277V system for fluorescent lighting.
- B. Selection of Lutron dimming system with anatomical timeclock.

IV. Acoustical Breadth

2 slides

- A. Initial reverberation times and calculations. Discuss redesign objectives.
- B. Redesigned space reverberation times.

V. Conclusion, closing animation/call for questions

1 slide

Total slides: 33