

Army National Guard Readiness Center Addition Schematic Design



Outline

- Building Overview
- Location
- Large Work Space - Open Office
- Circulation - Prefunction Area
- Special Purpose - Auditorium
- Outdoor – Plaza/Green Roof

Building Overview

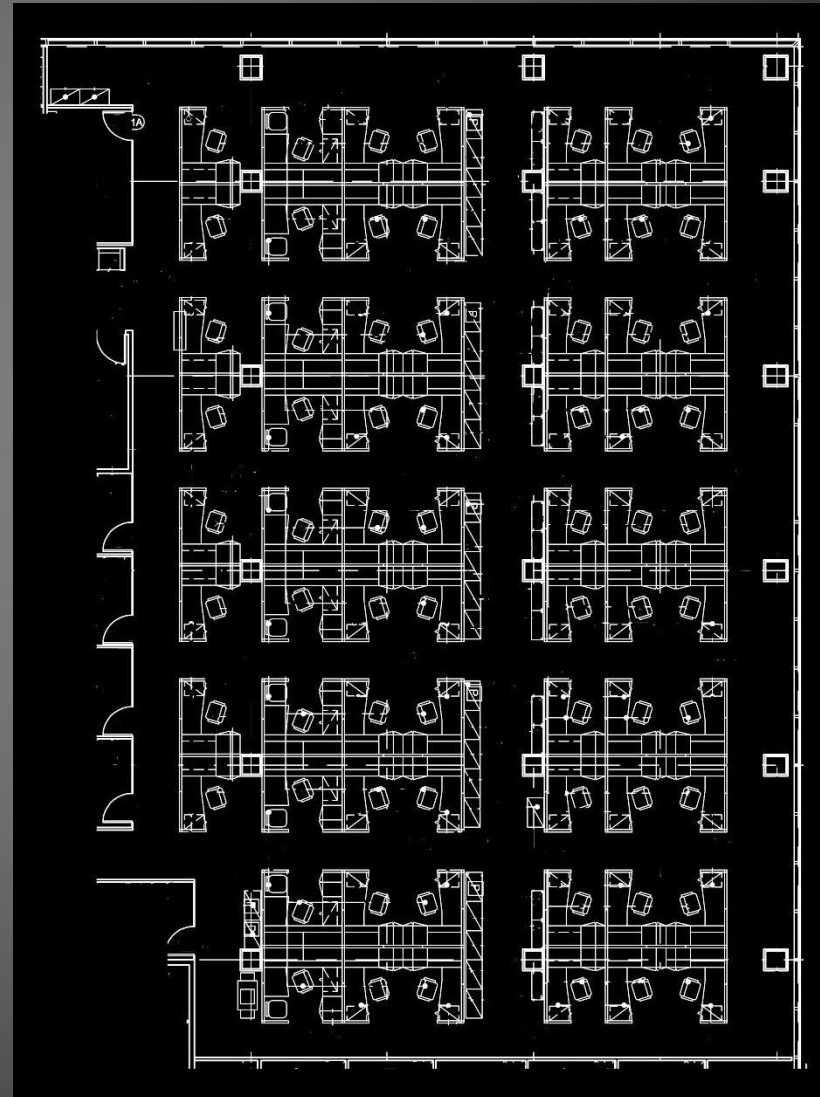
- **Location:** 111 S. Mason Drive,
Arlington, VA
- **Function:** Administrative Building
- **Size:** 251,444 SF
- **Floors:** 8
- **Project Team:**
 - Owner: Army National Guard
 - General Contractor: Tompkins Builders Inc.
 - Architect: CH2M
 - Engineer: AECOM

Site



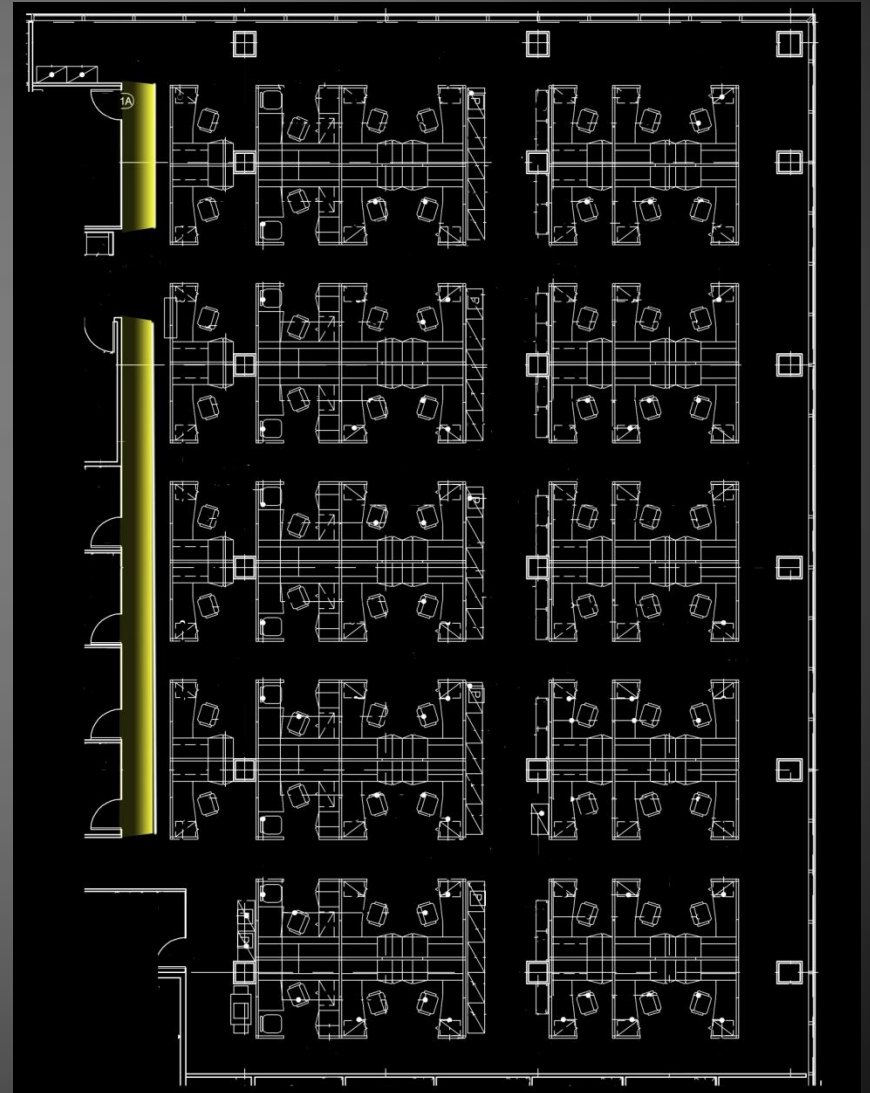
Large Work Space- Open Office

- Concept
 - Separation of Space with Light
- Criteria
 - Uniformity on Task Plane
 - Reduction of Glare
 - Daylight Integration



Large Work Space- Open Office

- Wall Washers

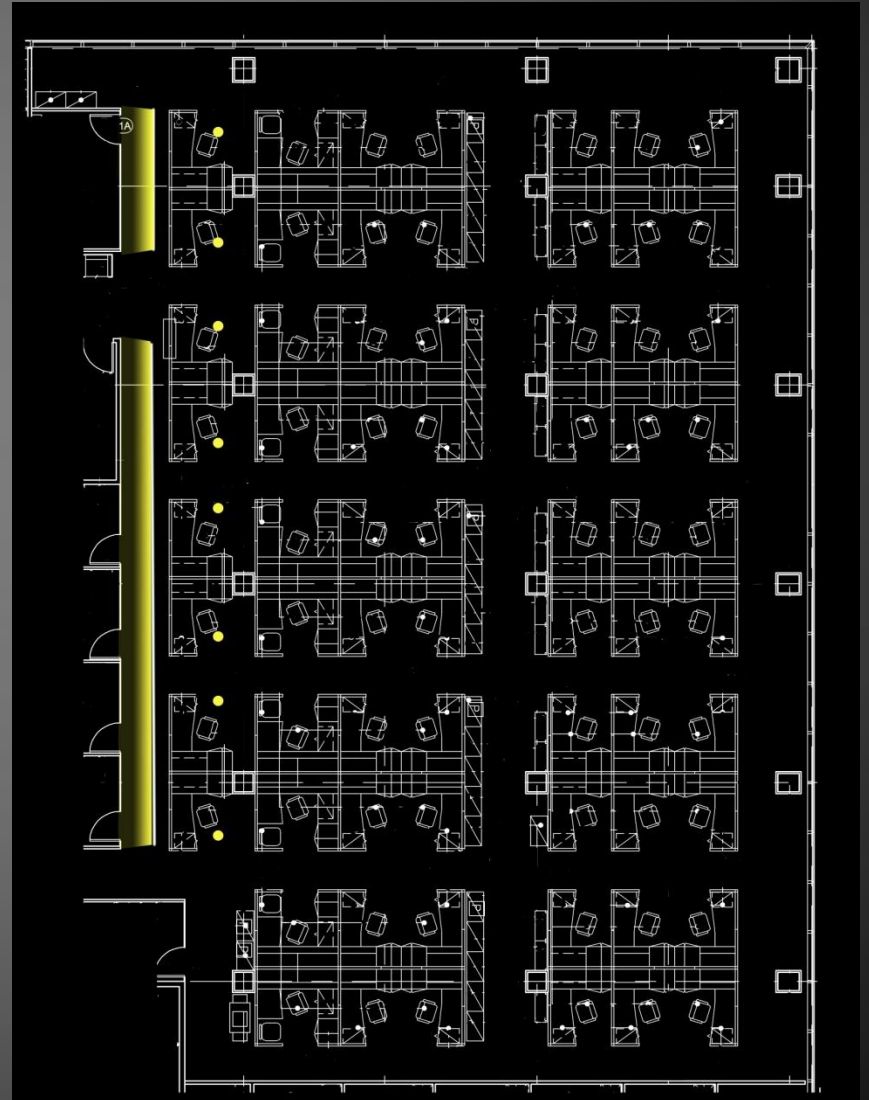


Large Work Space- Open Office

- Wall Washers



- Downlights



Large Work Space- Open Office

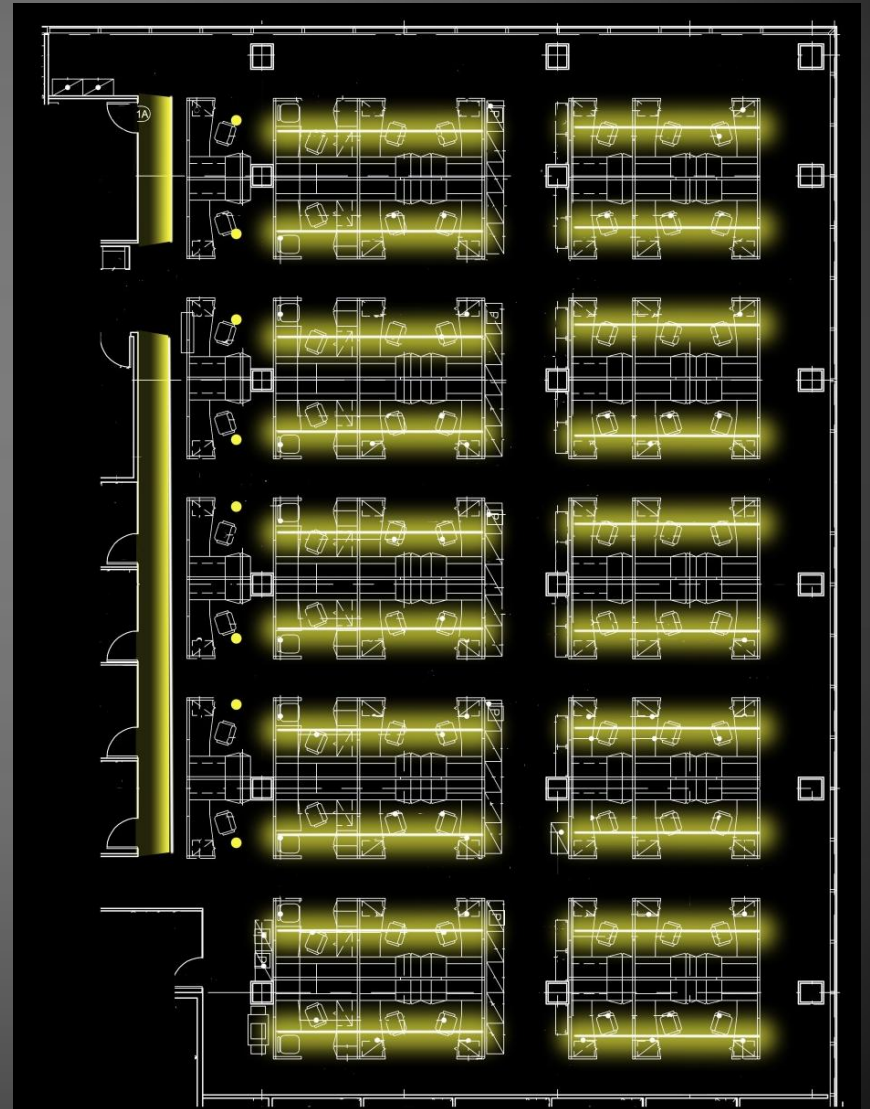
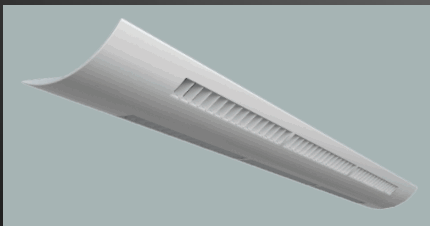
- Wall Washers



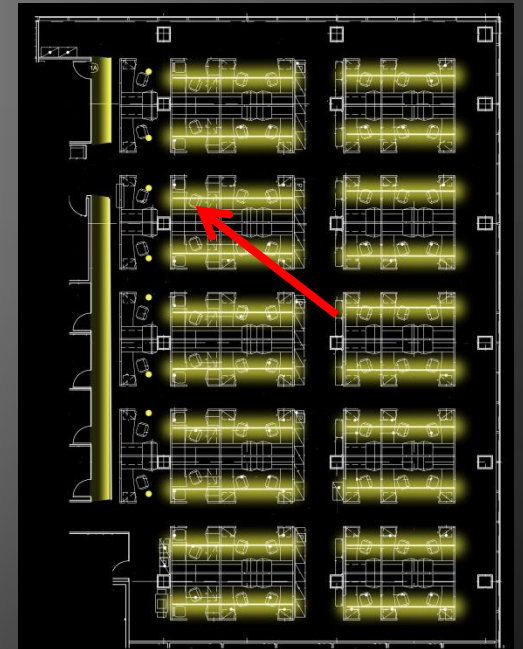
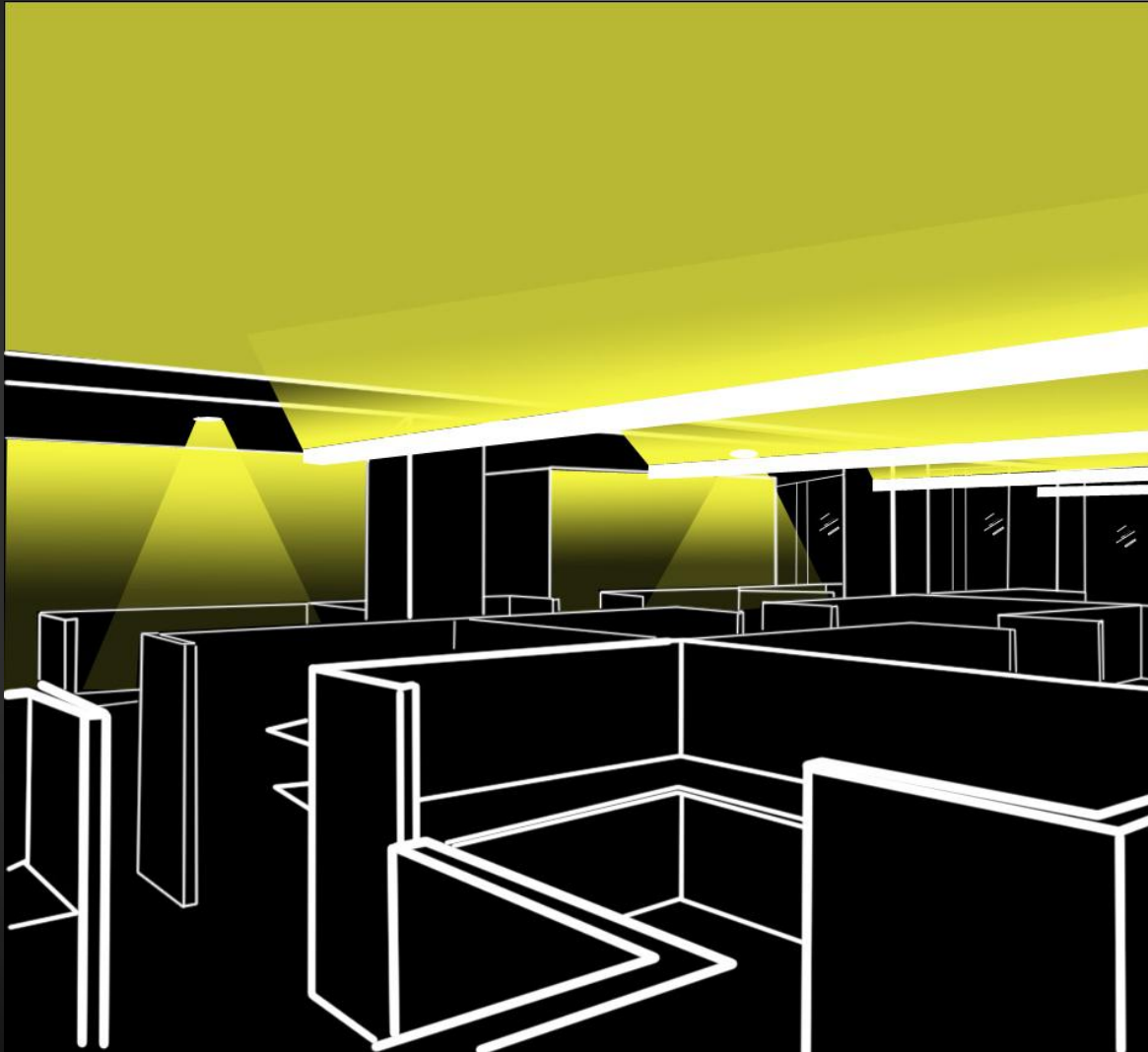
- Downlights



- Indirect Pendant Luminaires

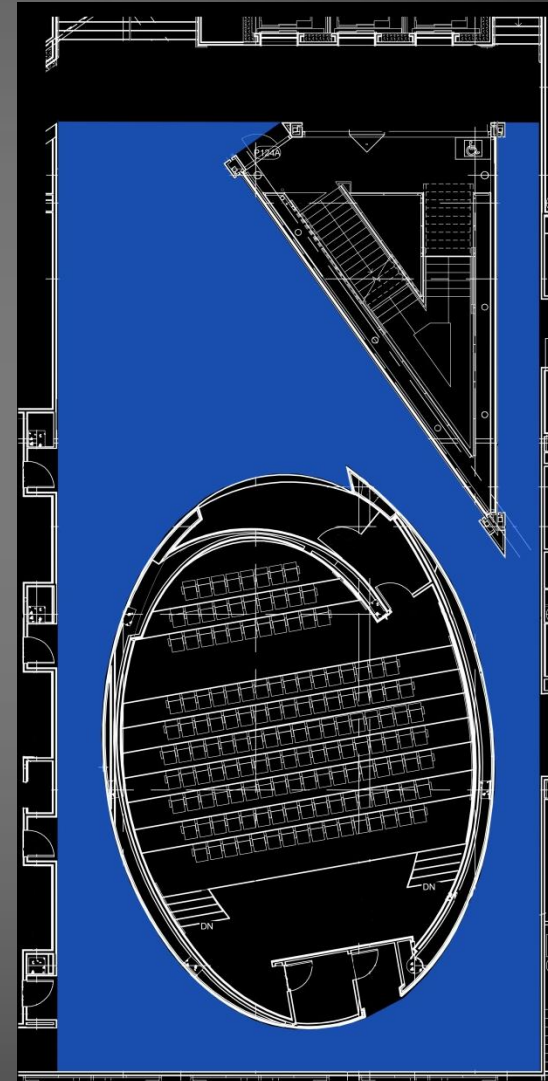


Large Work Space- Open Office



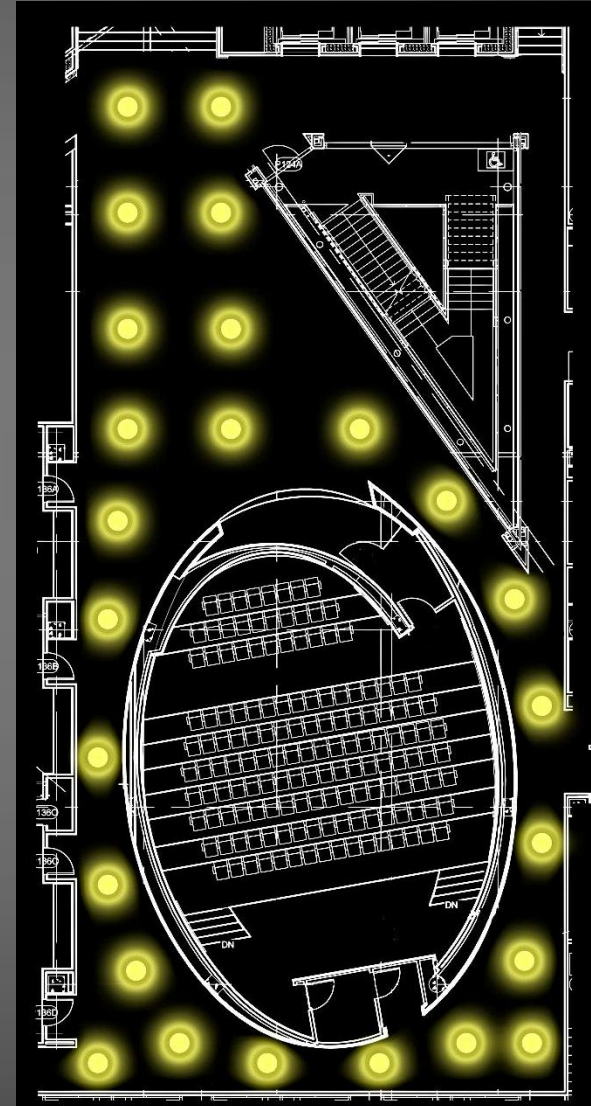
Circulation Space – Prefunction Area

- Concept
 - Two Psychological Impressions
 - Spaciousness – Illuminate Walls and Ceiling
 - Enclosure – Emphasize Overhead Downlighting
 - Avoid Illuminating walls
- Criteria
 - Direction, Guidance
 - Modeling of Faces
 - Appearance of Space and Luminaires

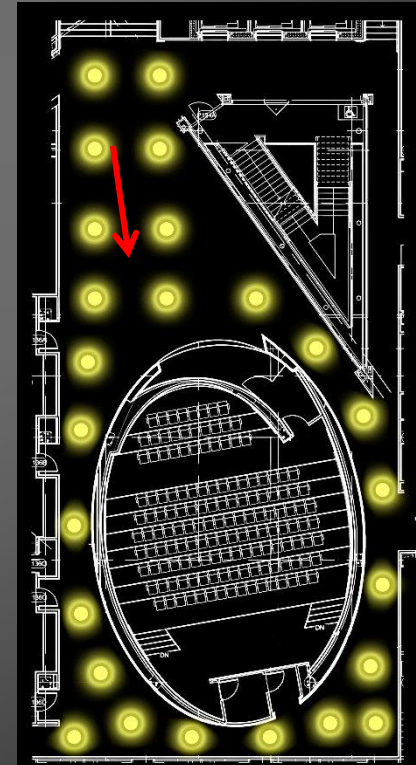
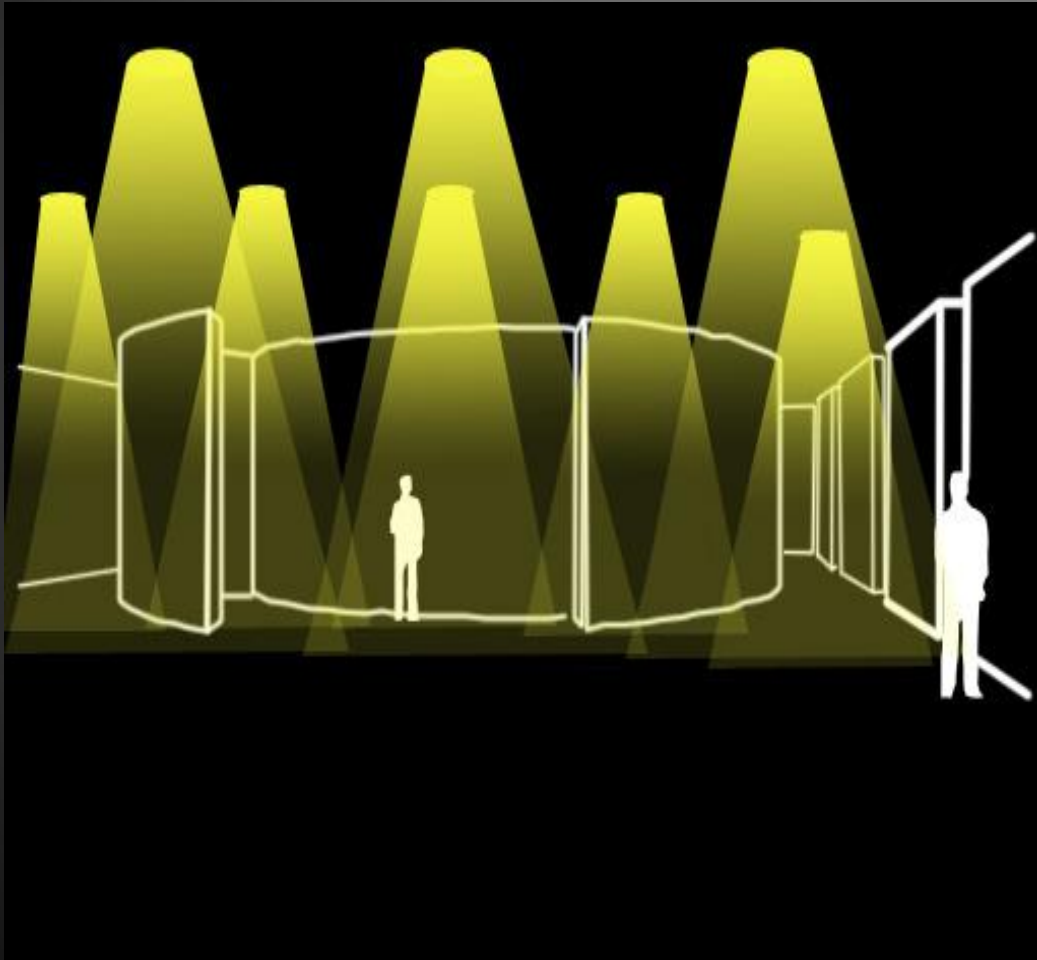


Prefunction Area - Enclosure

- Recessed Circular Downlights

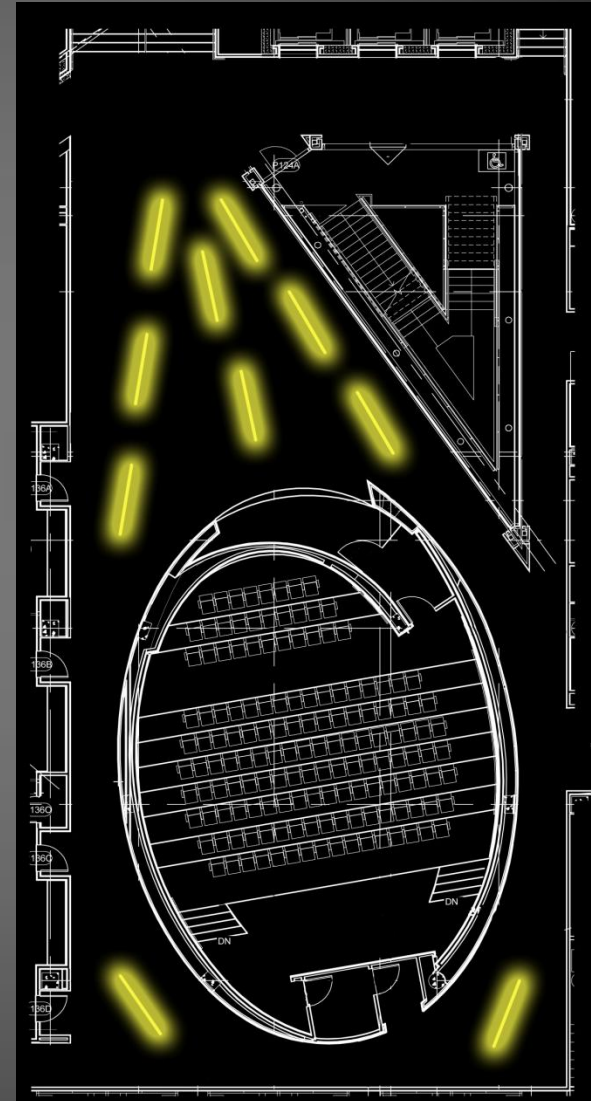
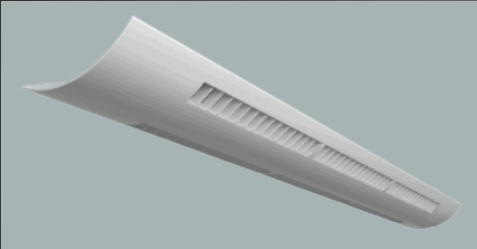


Prefunction Area - Enclosure



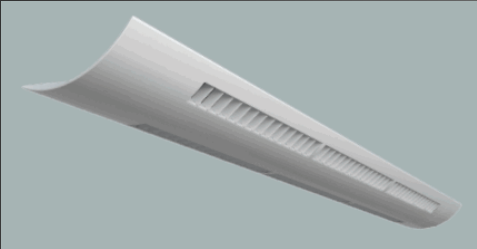
Prefunction Area - Spaciousness

- Indirect Luminaires

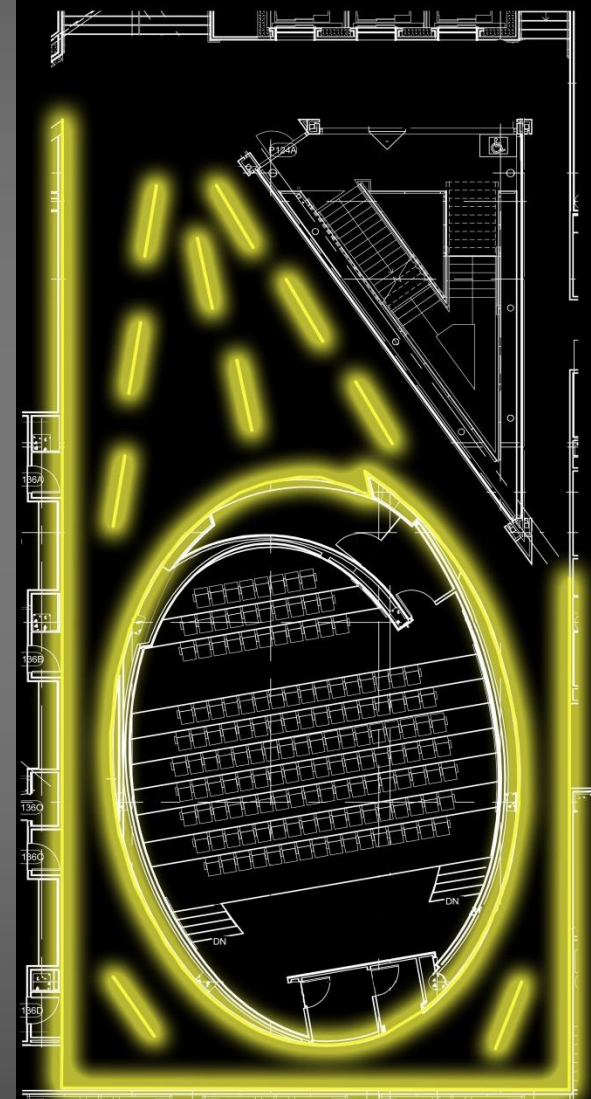
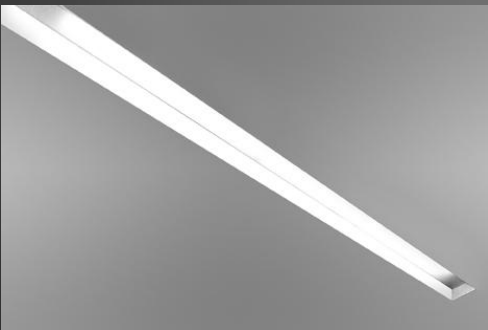


Prefunction Area - Spaciousness

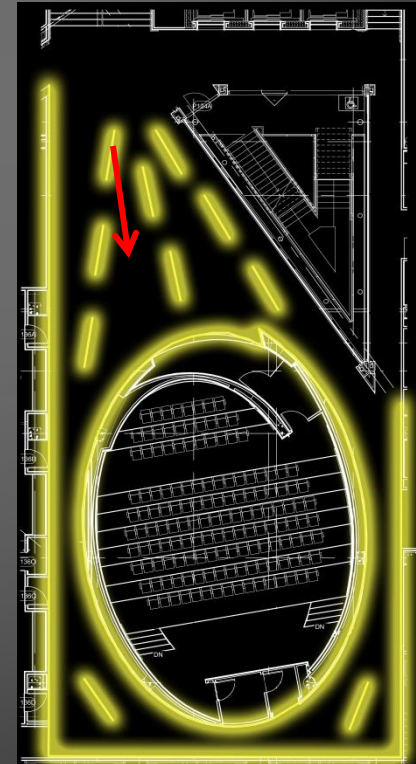
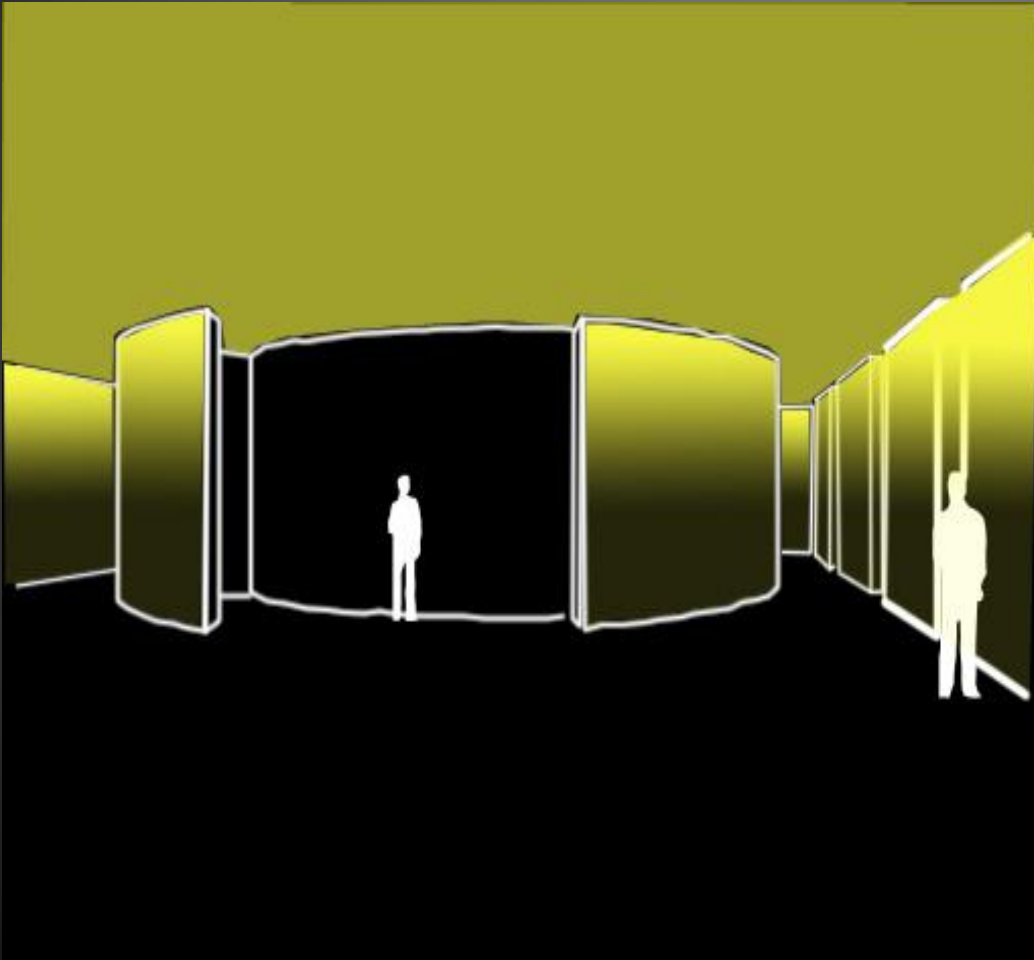
- Indirect Luminaires



- Recessed Cove Wall Washers

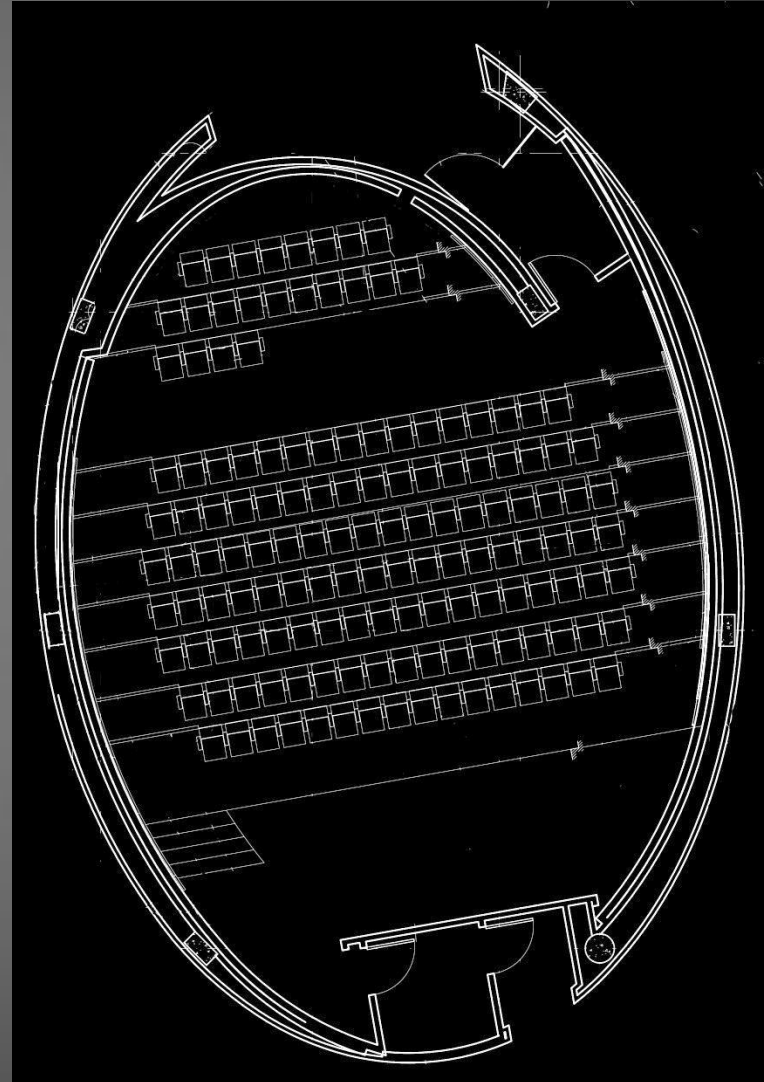


Prefunction Area - Spaciousness



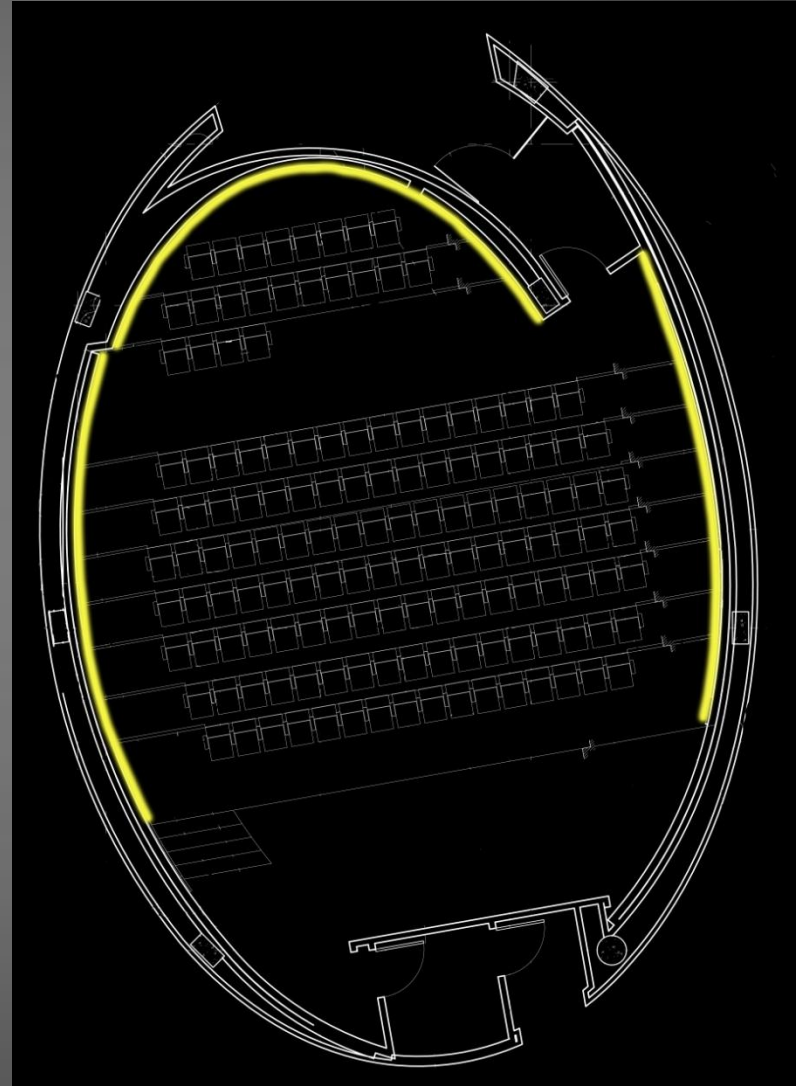
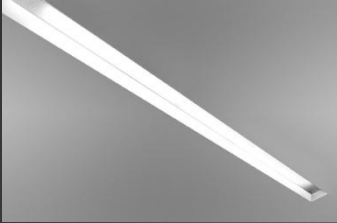
Special Purpose - Auditorium

- Concept
 - 3 Separate Schematic Designs
 - Scheme 1: Uniformity, Precision
 - Scheme 2: Uniformity, Disorder
 - Scheme 3: Diversity, Disorder
- Criteria
 - Distinguish Egress, Seating, and Point of Interest with Light
 - Modeling of Faces
 - System Control and Flexibility



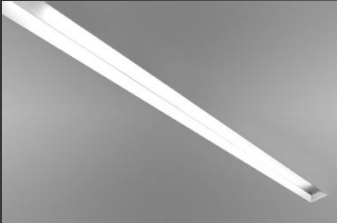
Auditorium – Scheme 1

- Linear Recessed Wall Grazers

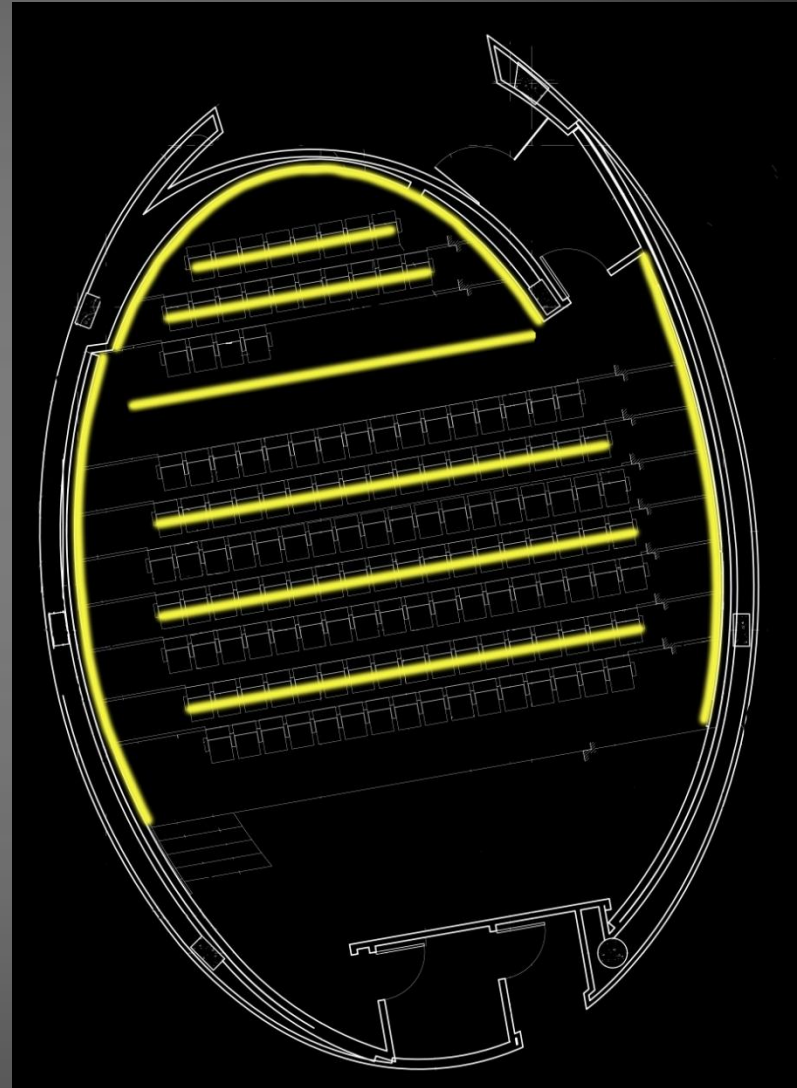


Auditorium – Scheme 1

- Linear Recessed Wall Grazers

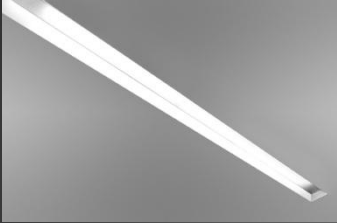


- Linear Recessed Downlights



Auditorium – Scheme 1

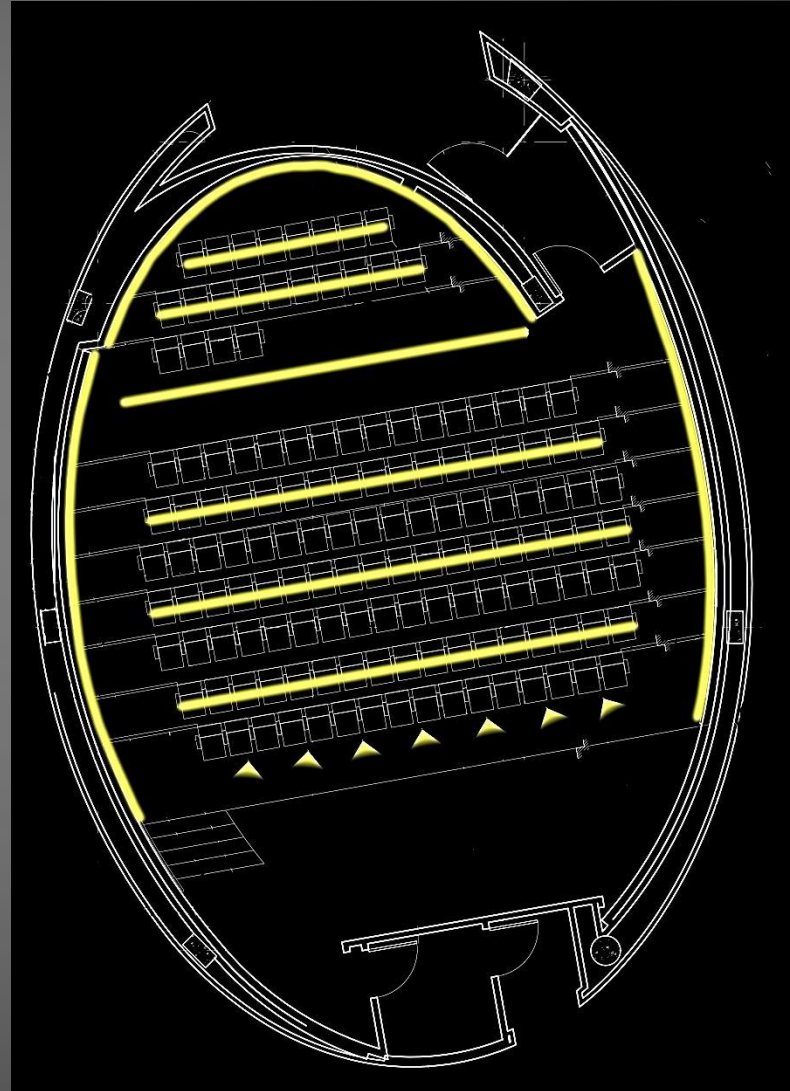
- Linear Recessed Wall Grazers



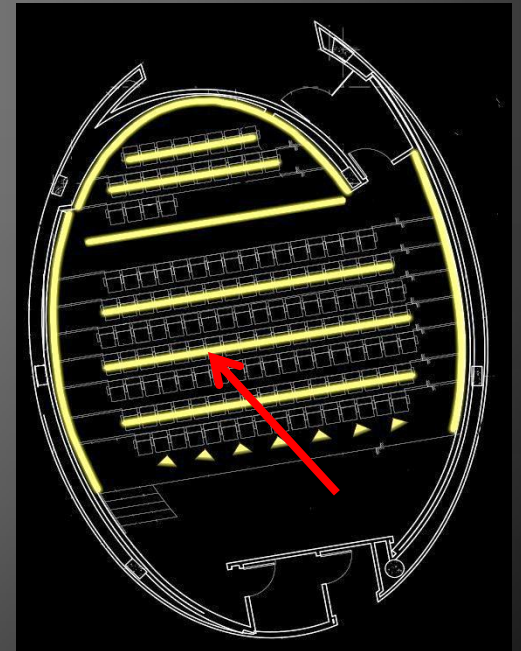
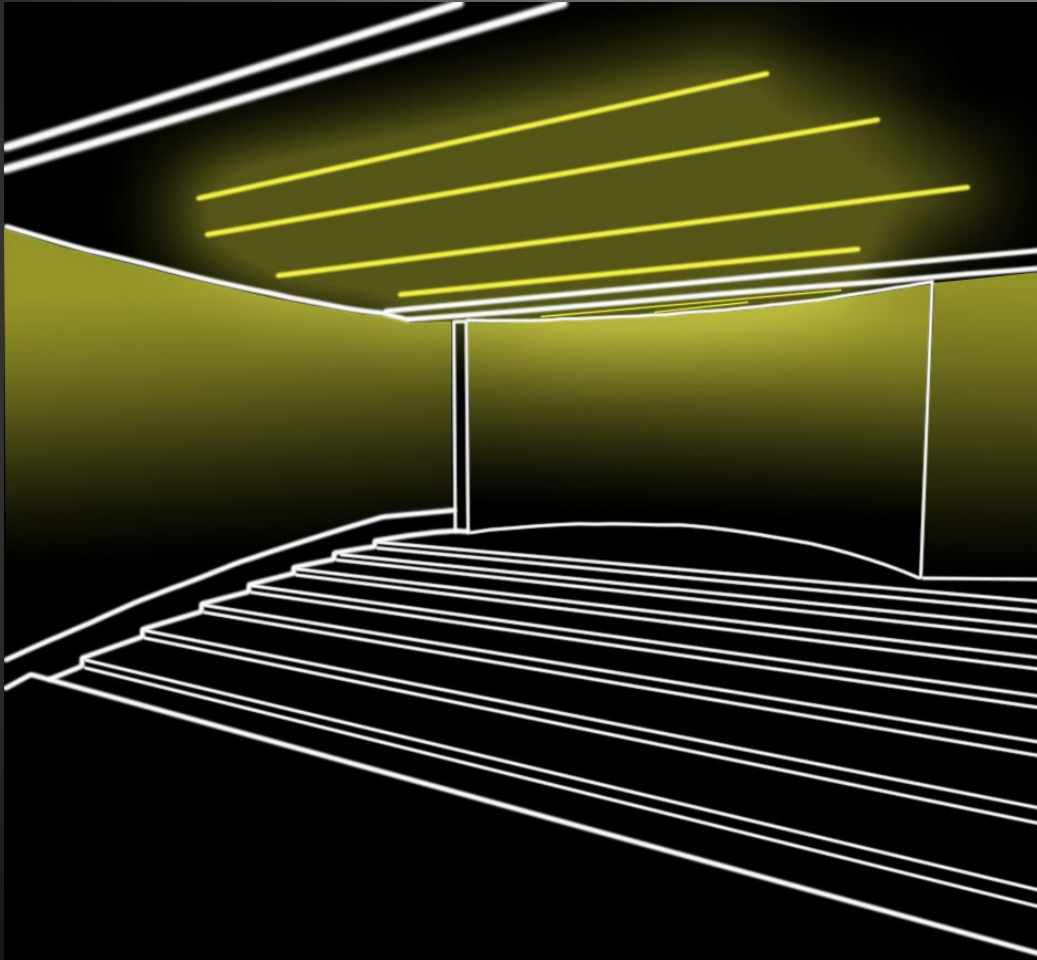
- Linear Recessed Downlights



- Track Lighting in front of Stage

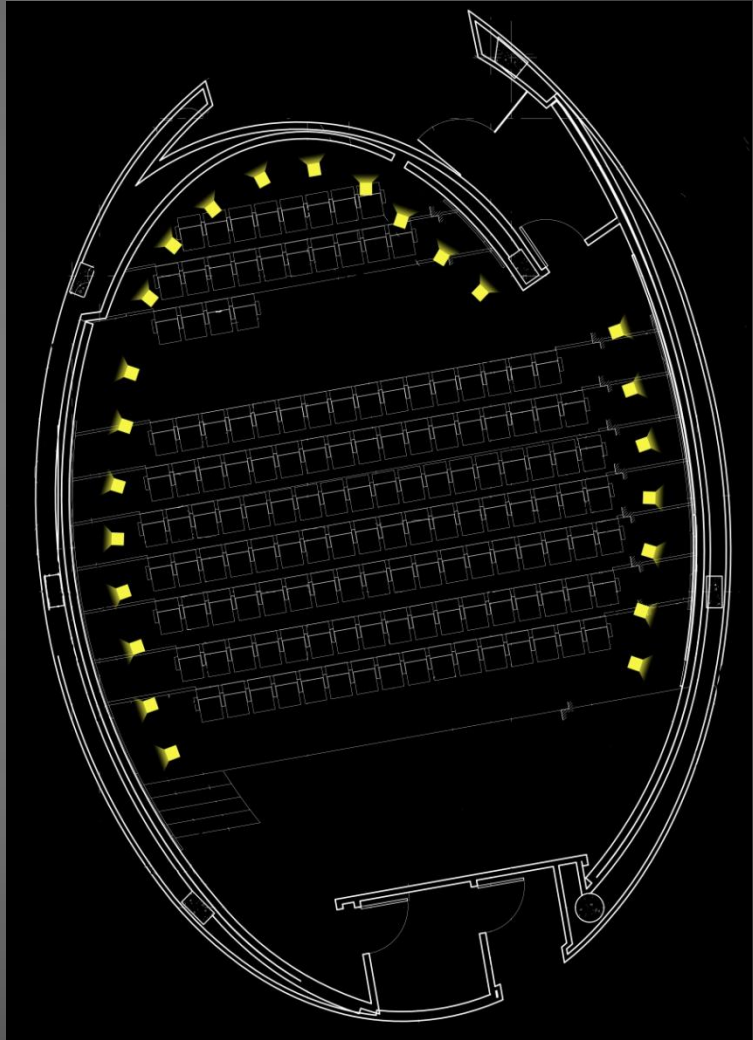


Auditorium - Scheme 1



Auditorium – Scheme 2

- Recessed Wall Washers

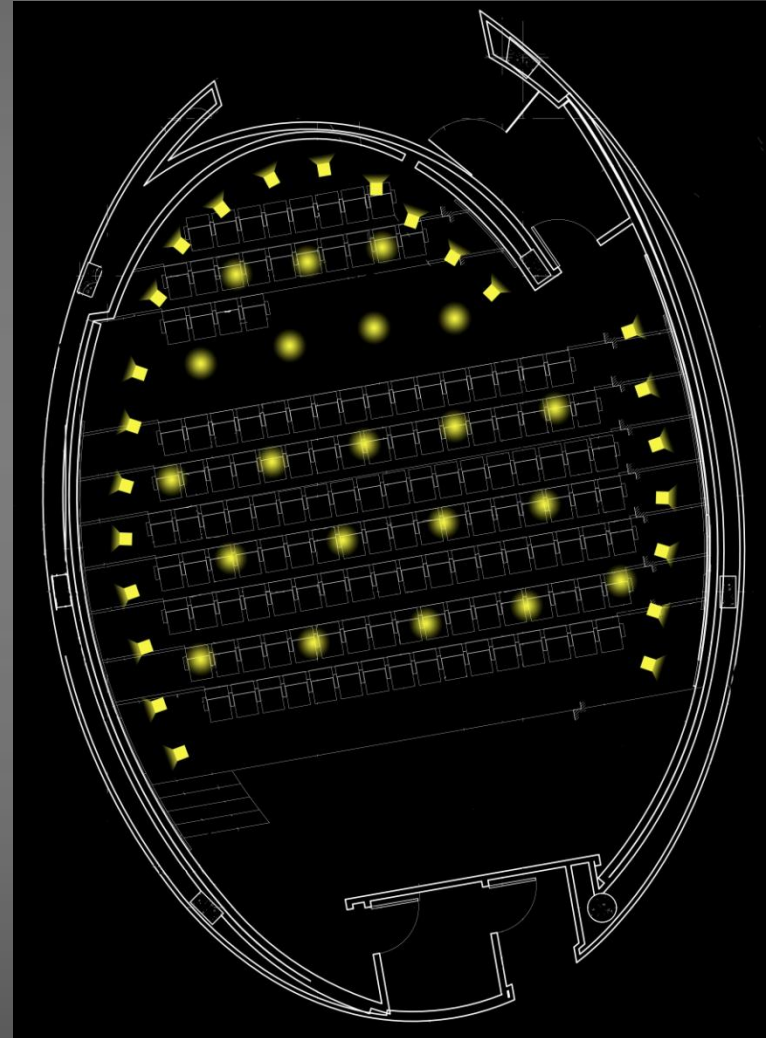


Auditorium – Scheme 2

- Recessed Wall Washers



- Circular Recessed Downlights



Auditorium – Scheme 2

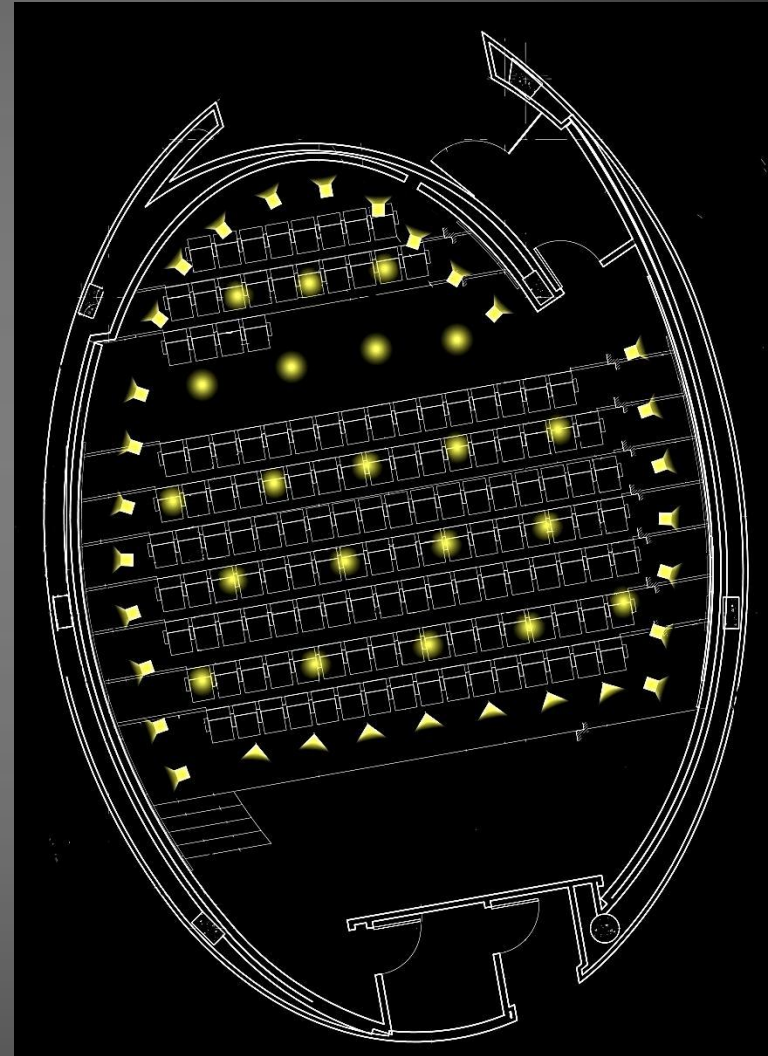
- Recessed Wall Washers



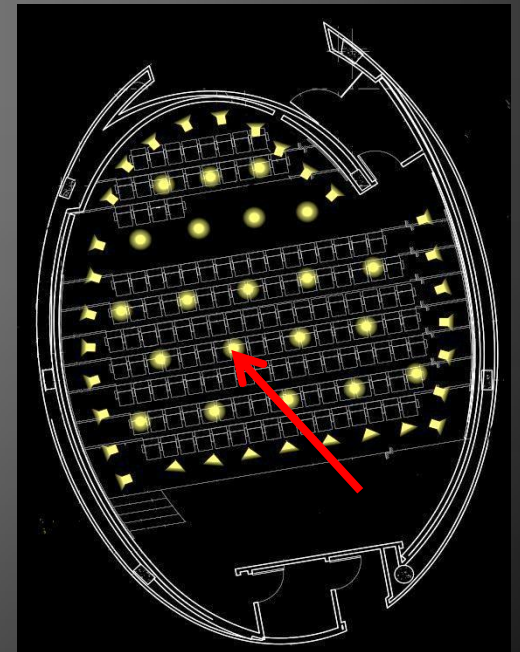
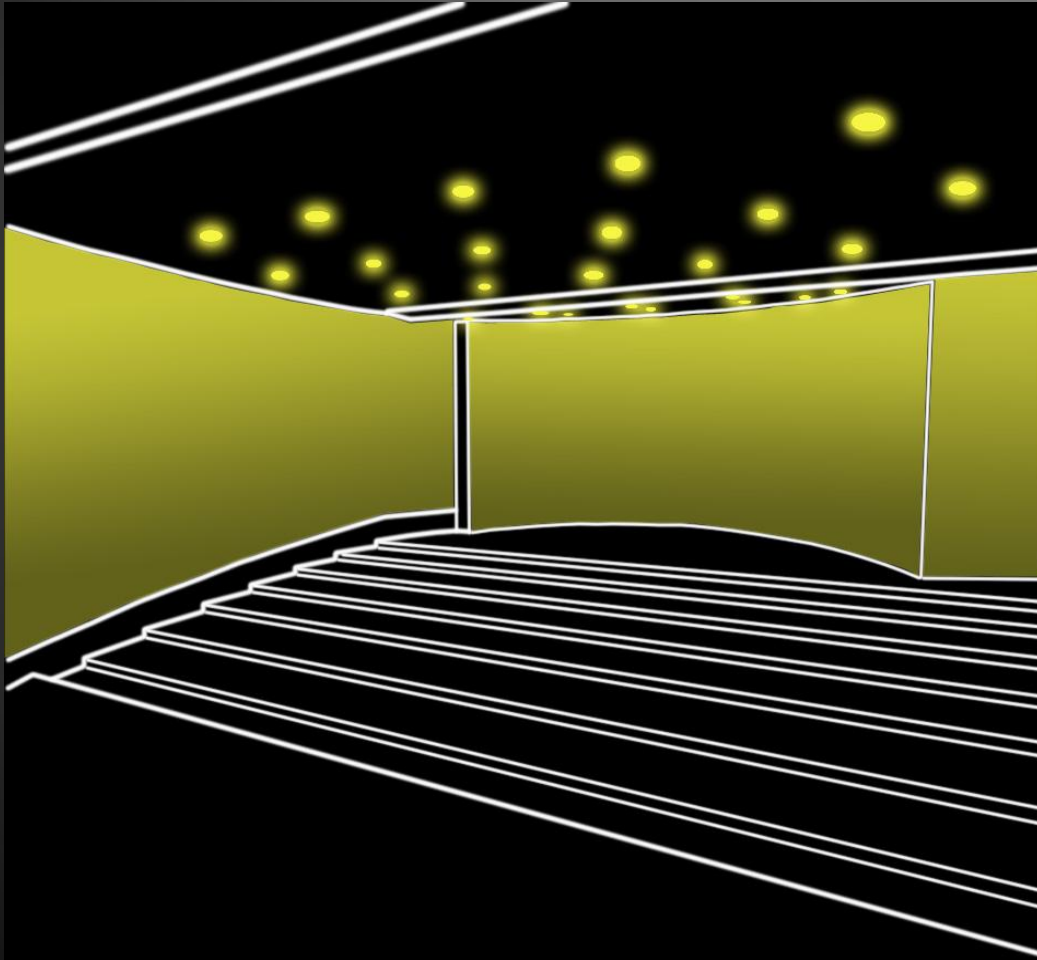
- Circular Recessed Downlights



- Track Lighting in front of Stage

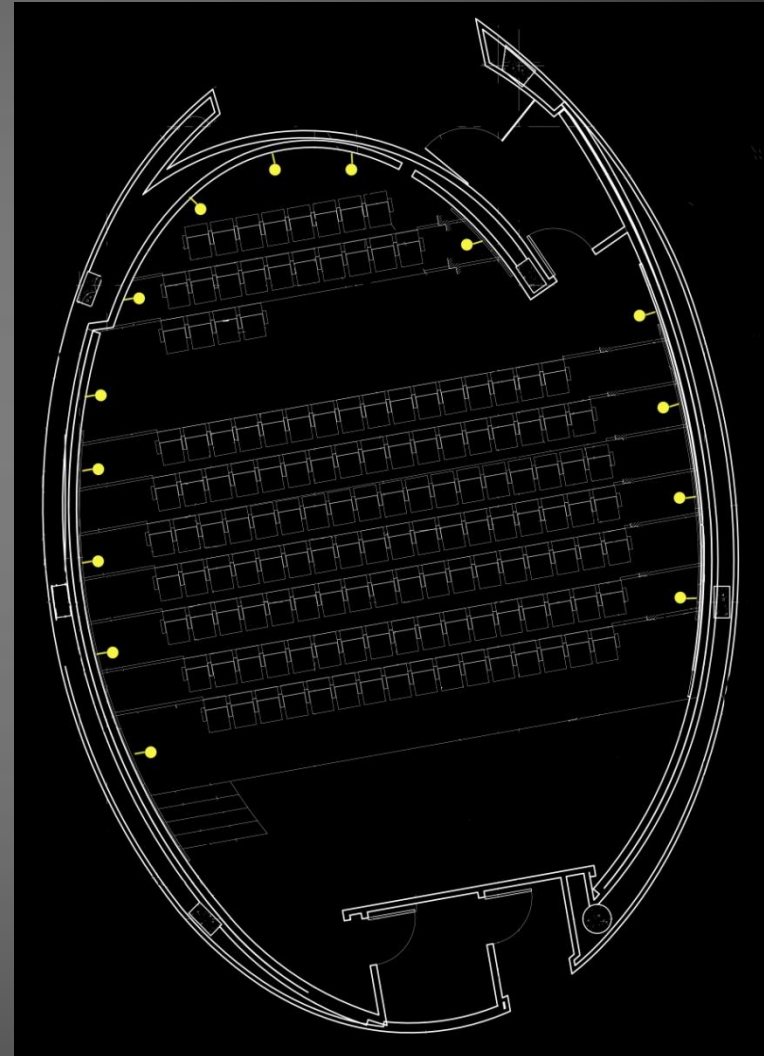


Auditorium - Scheme 2



Auditorium – Scheme 3

- Wall Sconces

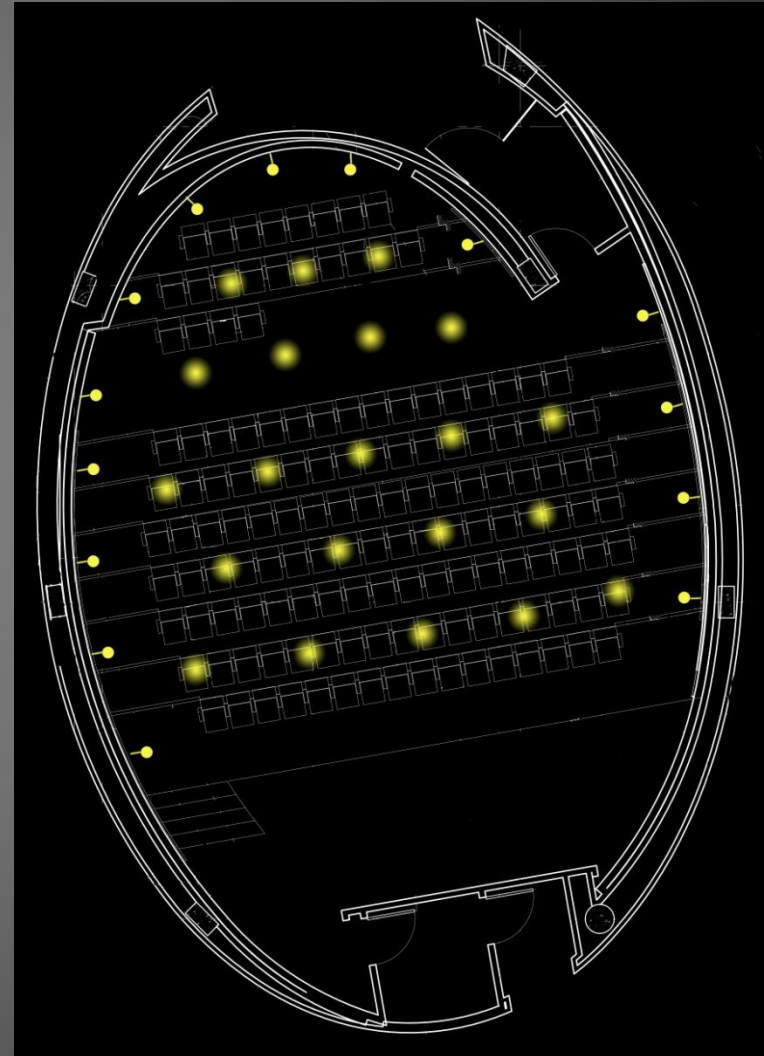


Auditorium – Scheme 3

- Wall Sconces



- Circular Recessed Downlights

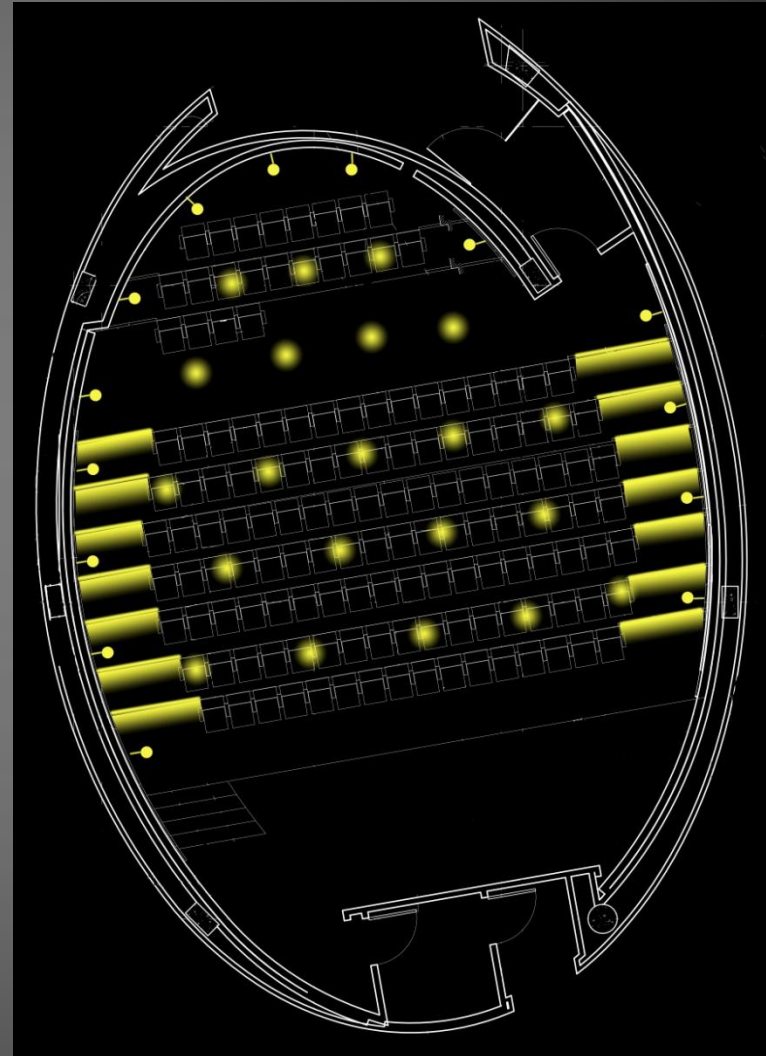


Auditorium – Scheme 3

- Wall Sconces



- Circular Recessed Downlights
- Floor Mounted Linear Strip Luminaires



Auditorium – Scheme 3

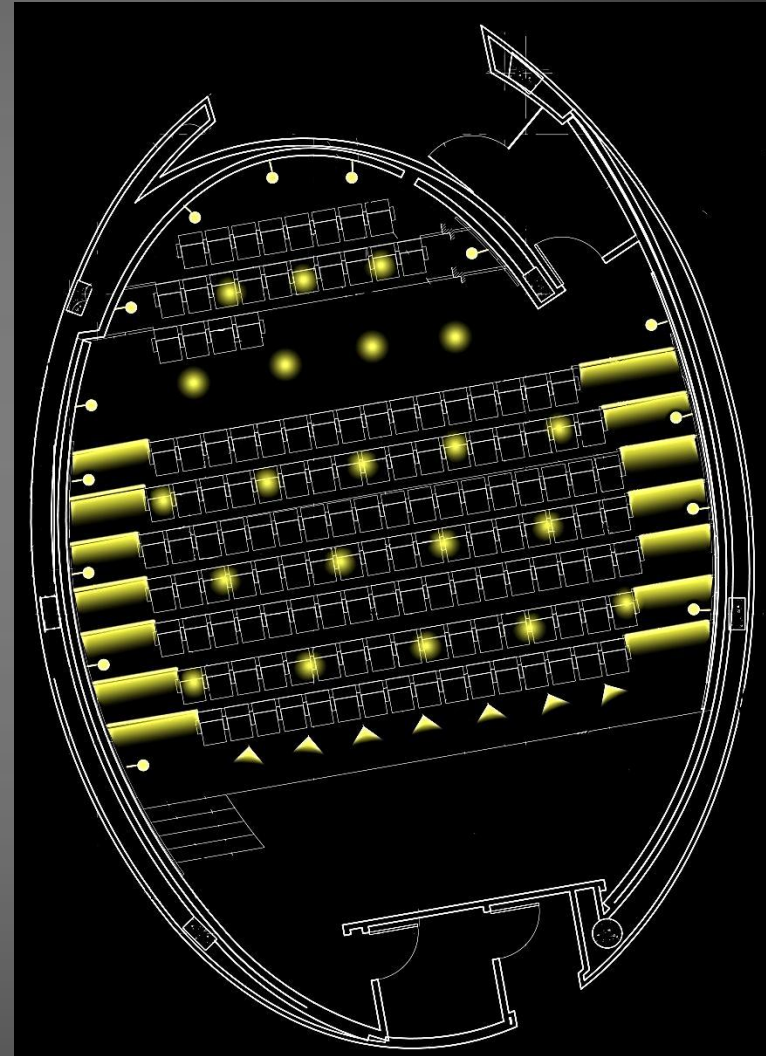
- Wall Sconces



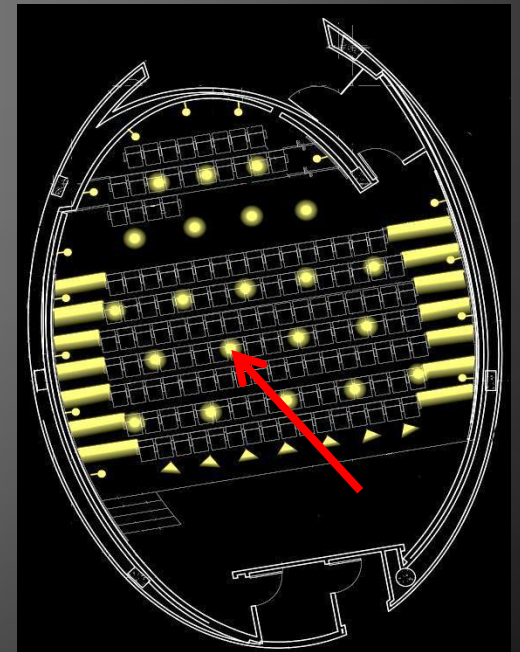
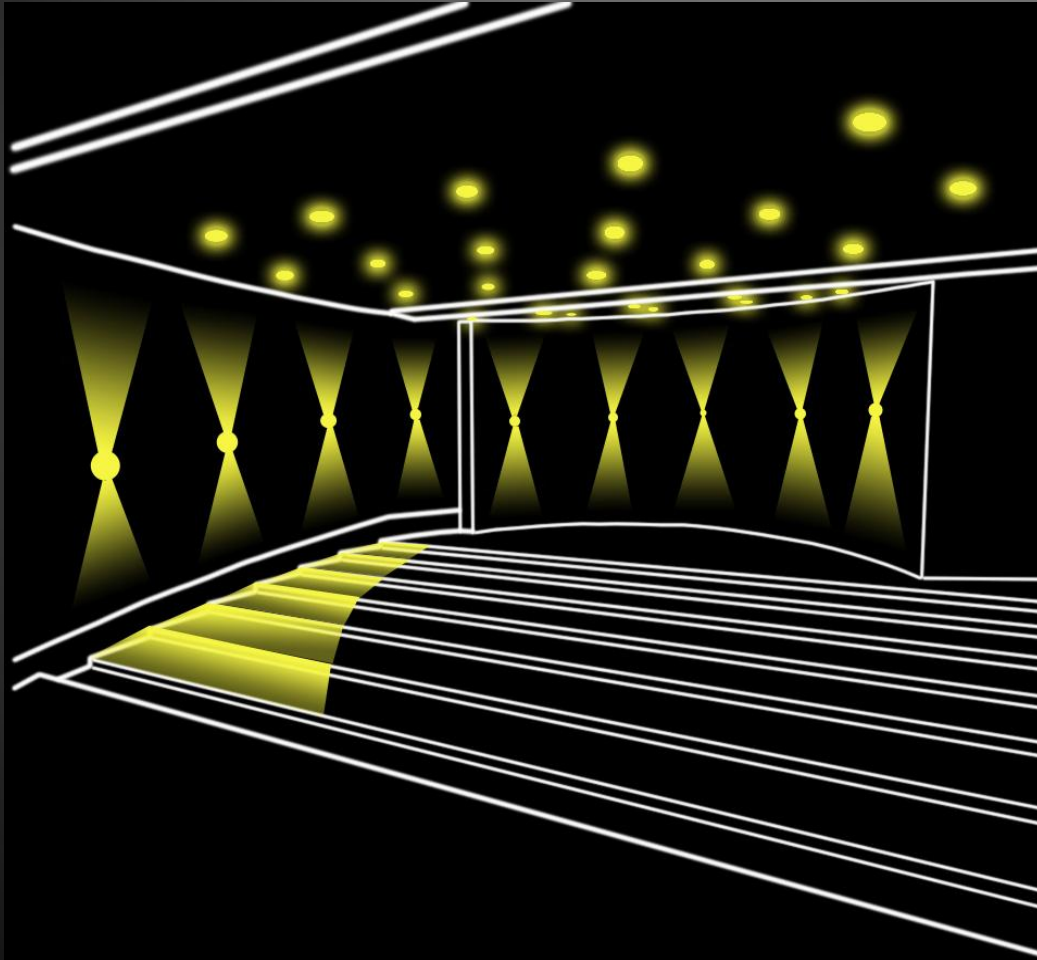
- Circular Recessed Downlights
- Floor Mounted Linear Strip Luminaires



- Track Lighting in front of Stage

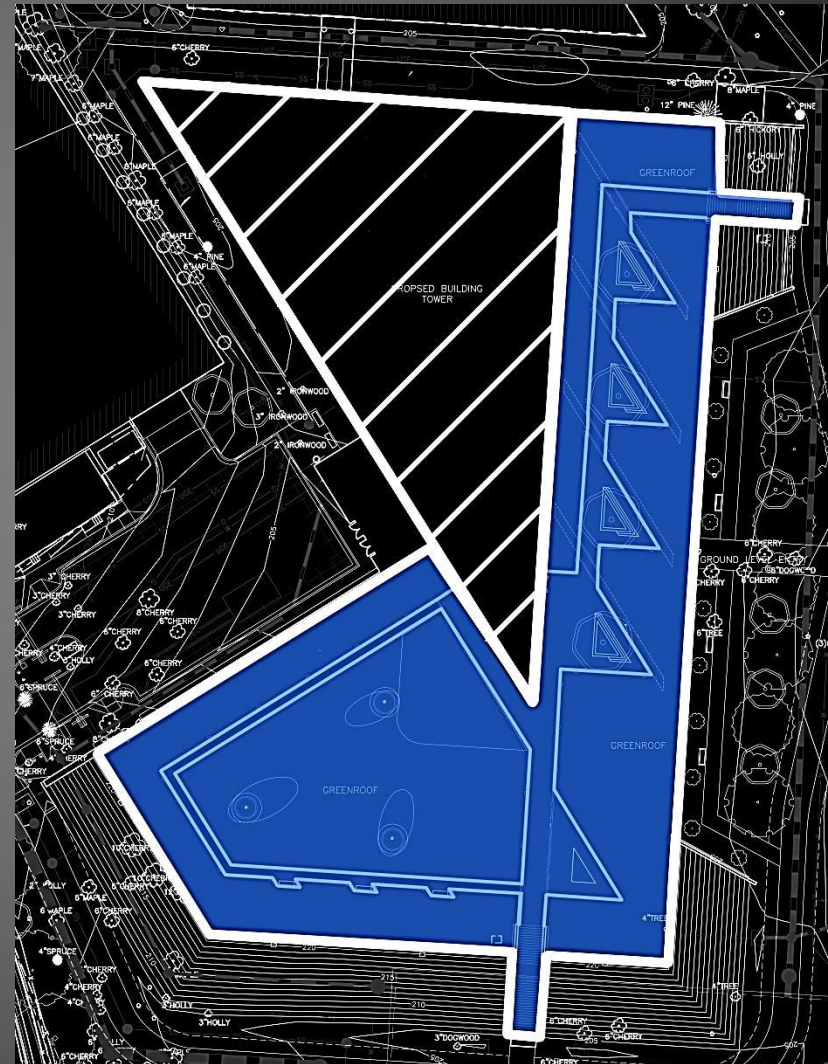


Auditorium - Scheme 2



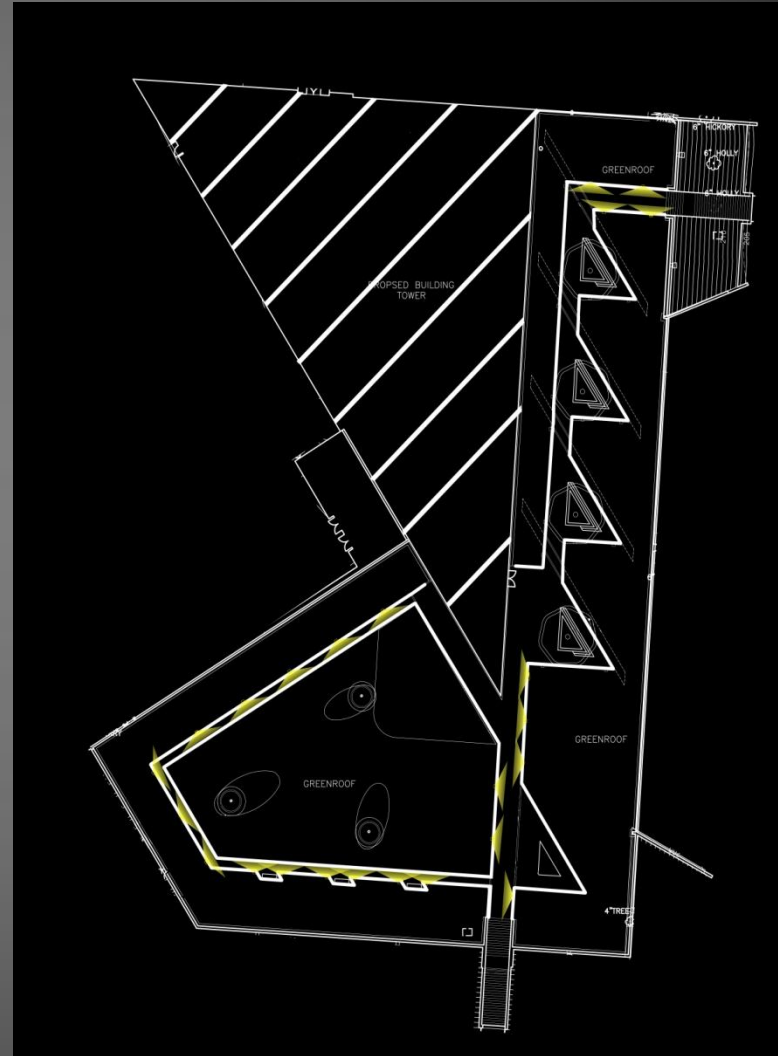
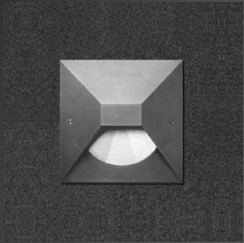
Outdoor Space – Plaza/Green Roof

- Concept
 - Provide Visual Clarity While Maintaining a Sense of Privacy
 - Integrate luminaires with site
- Criteria
 - Low Mounting Heights
 - Reduction of Light Pollution
 - Reduce Shadows



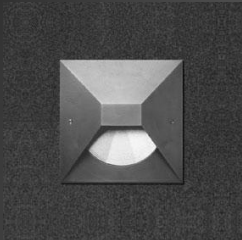
Outdoor Space – Plaza/ Green Roof

- In-Ground Floodlights

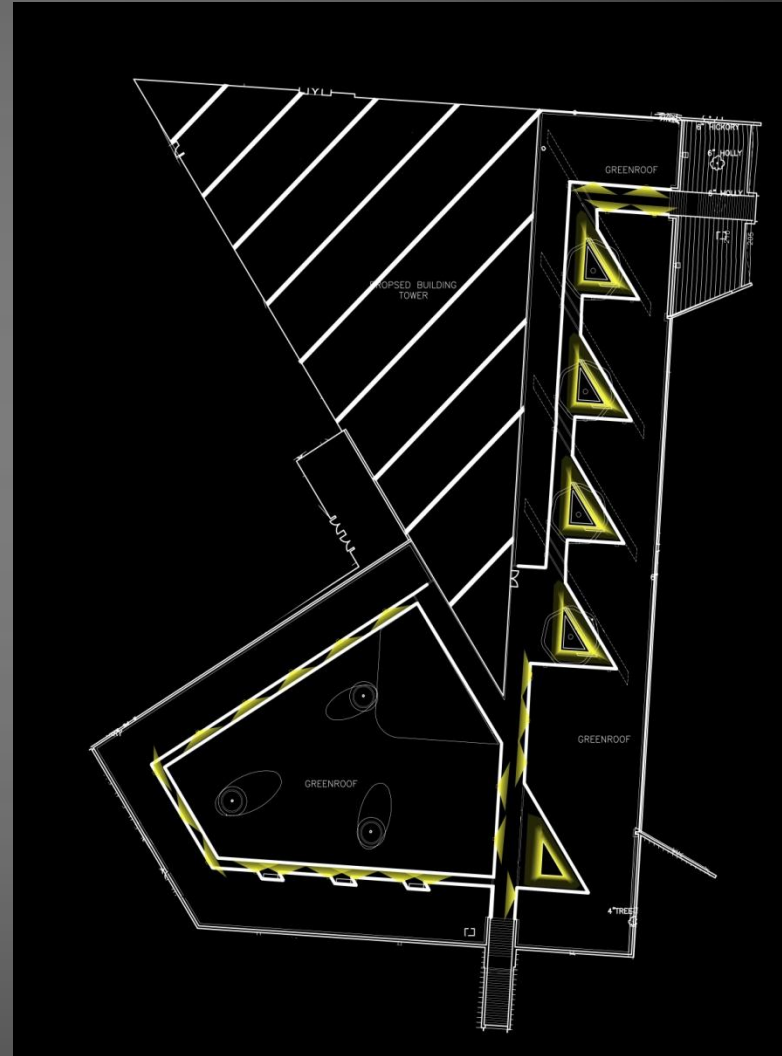


Outdoor Space – Plaza/ Green Roof

- In-Ground Floodlights

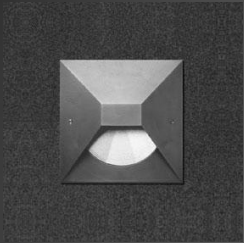


- Recessed Linear Luminaires



Outdoor Space – Plaza/ Green Roof

- In-Ground Floodlights



- Recessed Linear Luminaires

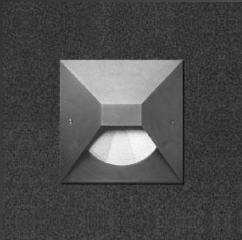


- LED Handrail



Outdoor Space – Plaza/ Green Roof

- In-Ground Floodlights



- Recessed Linear Luminaires



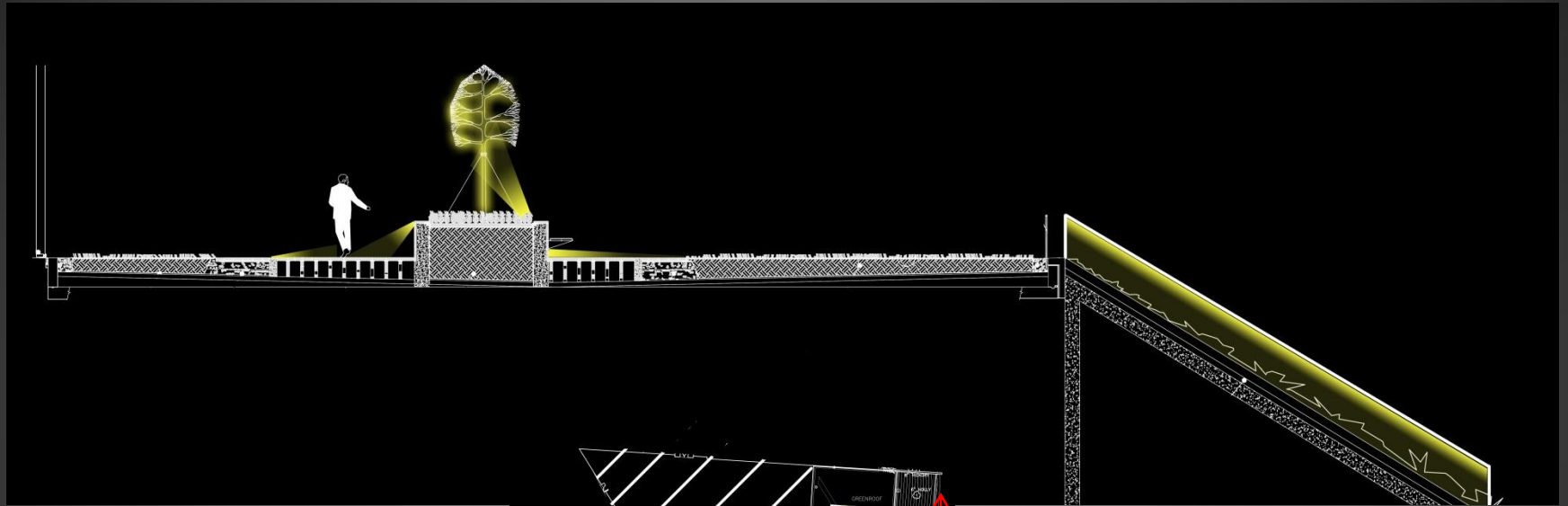
- LED Handrail



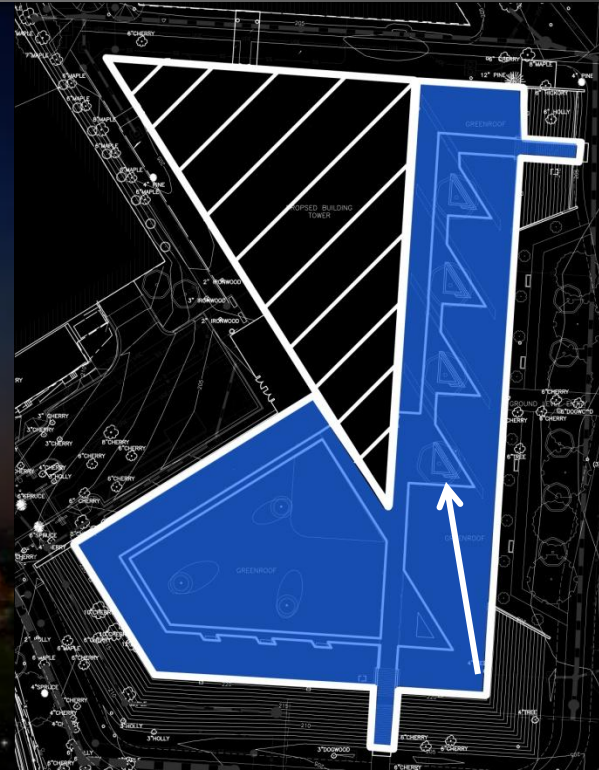
- Uplight Trees



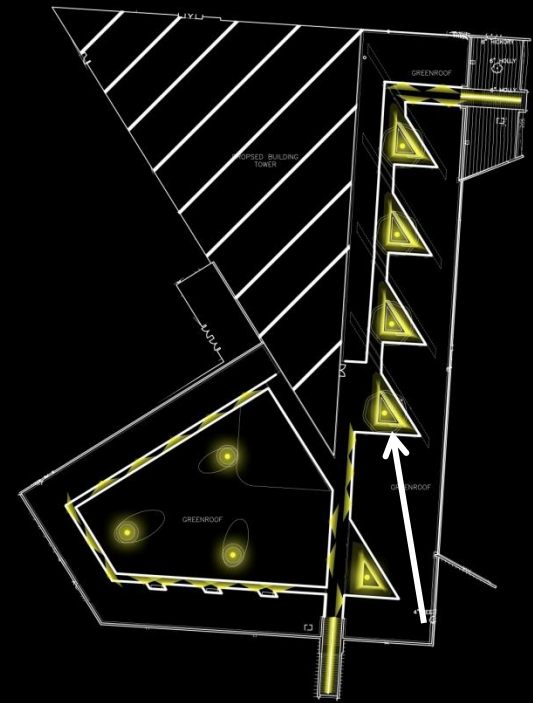
Outdoor Space – Plaza/ Green Roof



Outdoor Space – Plaza/ Green Roof



Outdoor Space – Plaza/ Green Roof



Questions?

