

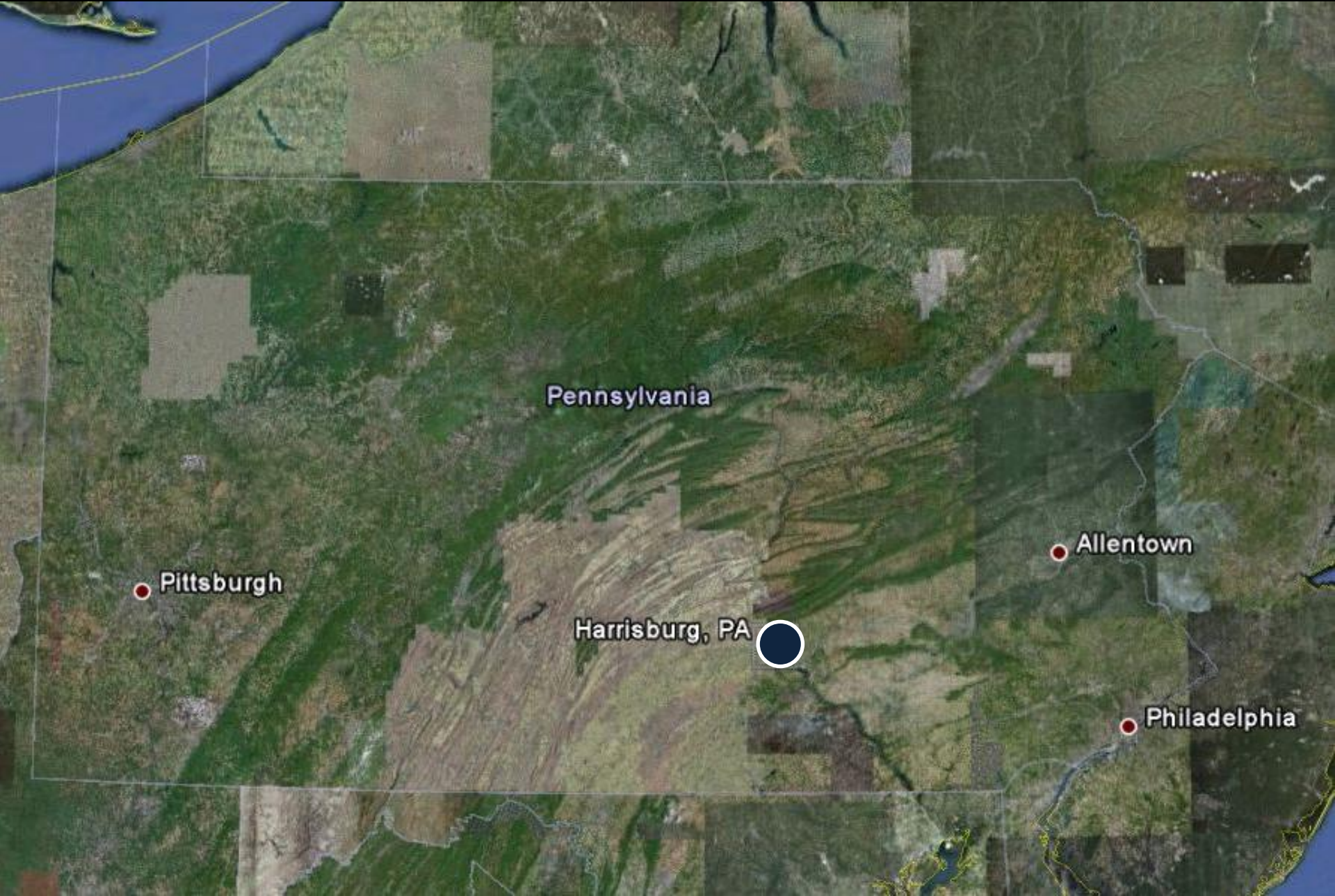
# The Pennsylvania State Employees Credit Union Corporate Headquarters

Harrisburg, Pa

## Schematic Lighting Design Presentation



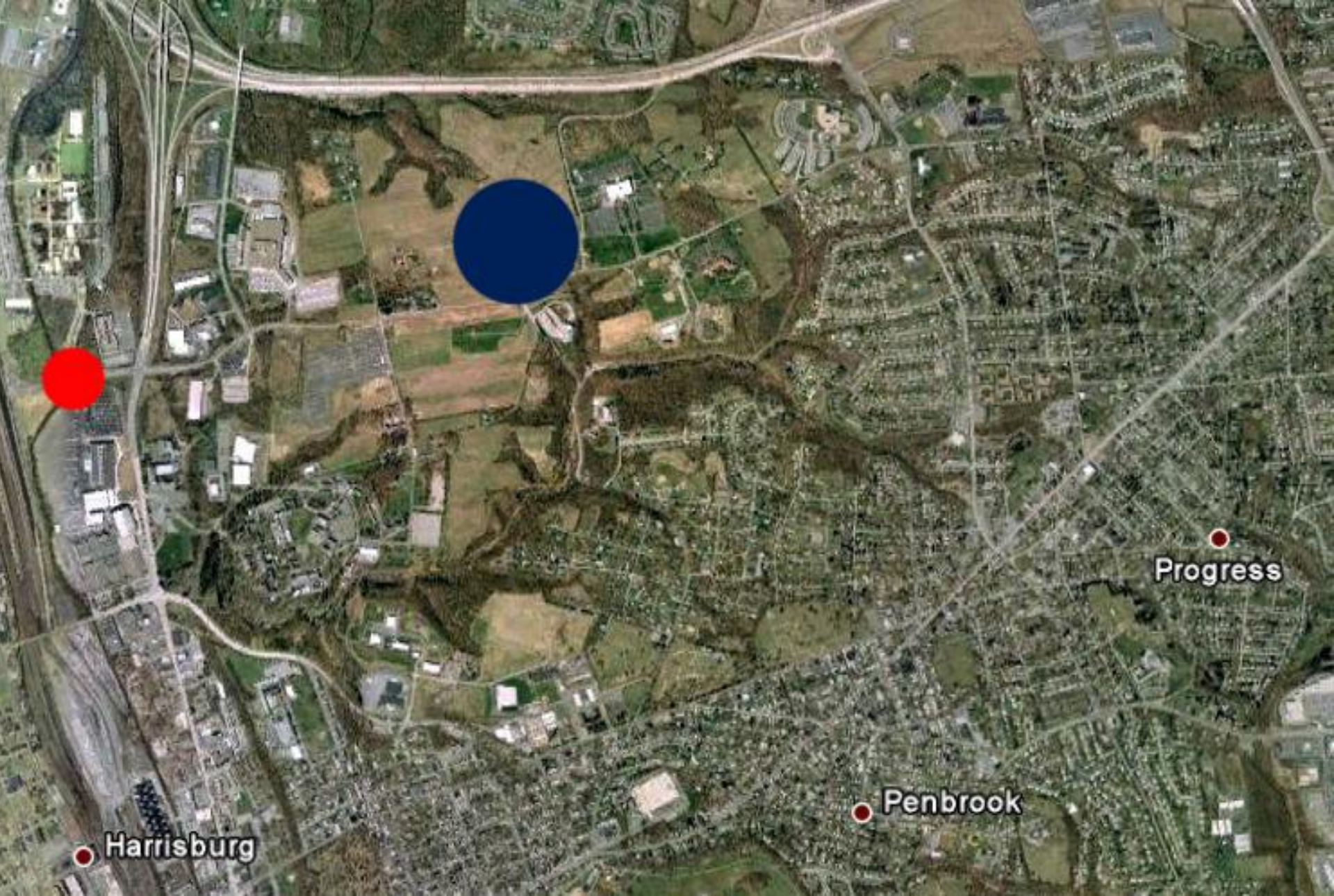
introduction | design concept | four spaces



Harrisburg is a city of history



# introduction



# What is PSECU?



introduction | what is PSECU?





introduction | what is PSECU?

## Building Statistics

owner	Pennsylvania State Employees Credit Union
size	236,000 square feet
stories	3
cost	\$54 million
construction	August 2011 – August 2013

## Project Team

architect	Crabtree, Rohrbaugh & Associates
mep	BALA Engineering
lighting	Grenald Waldron Associates
contractor	PJ Dick
construction manager	Quandel Construction Services

“create a clean, flexible, energy efficient design with full lighting control for daylight, occupancy, and scene control”



design concept

# Four Spaces

# Outdoor Space

four spaces | building façade and entry plaza



four spaces | building façade and entry plaza



four spaces | building façade and entry plaza

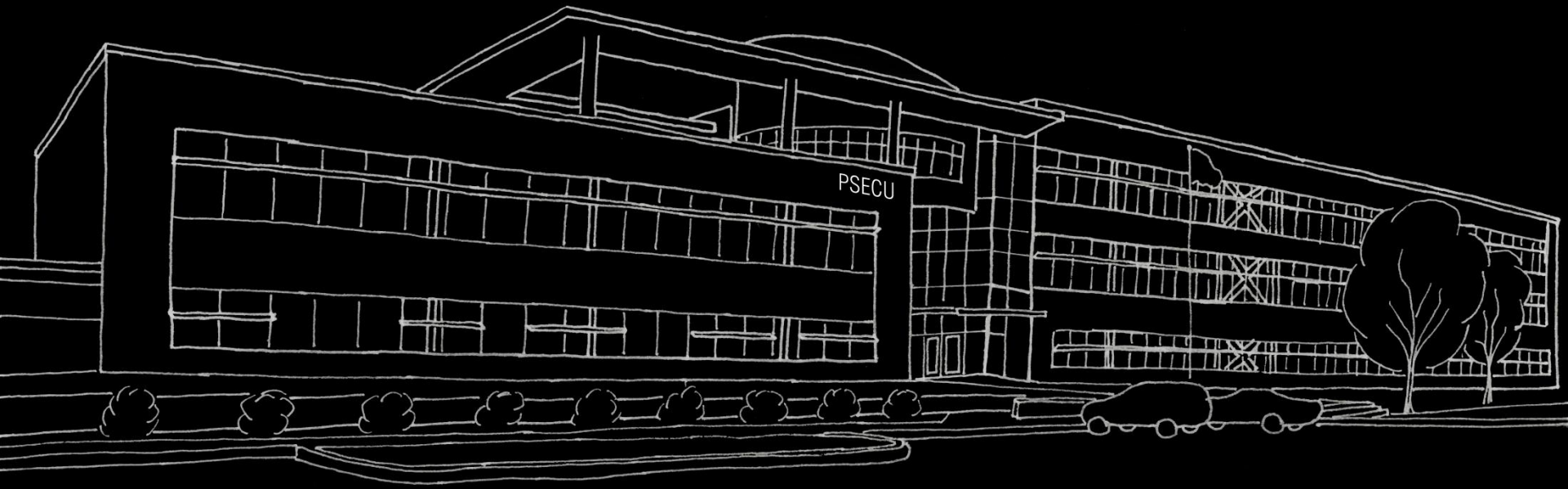




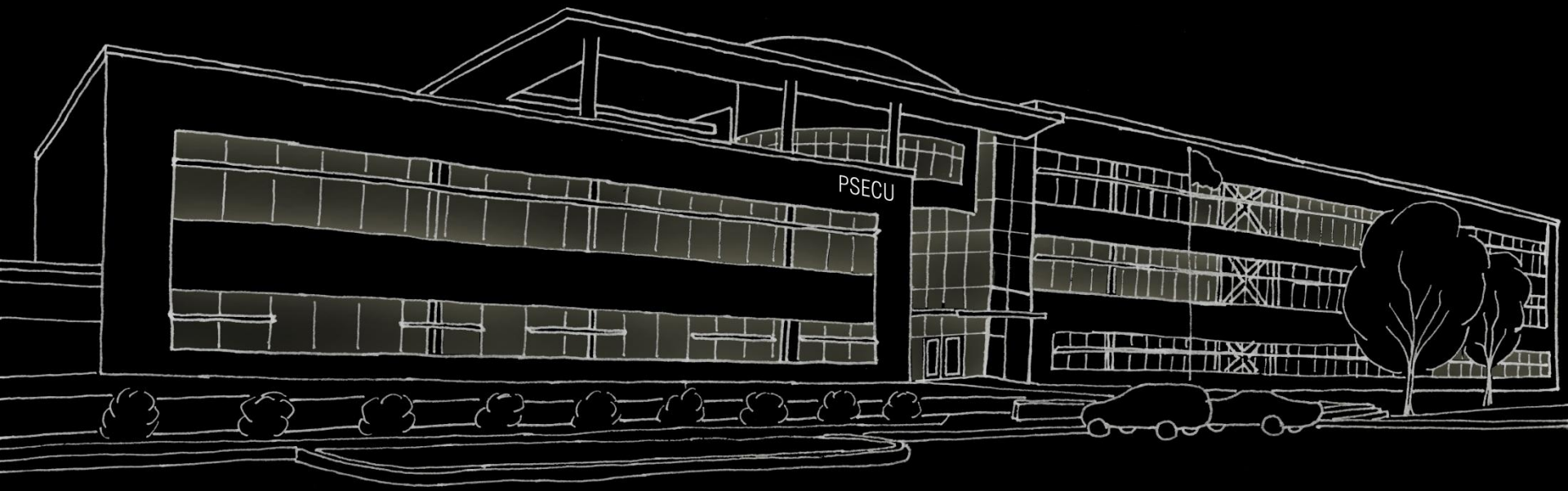
four spaces | building façade and entry plaza

## Design Criteria

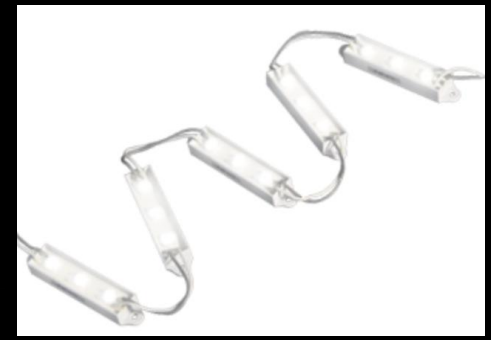
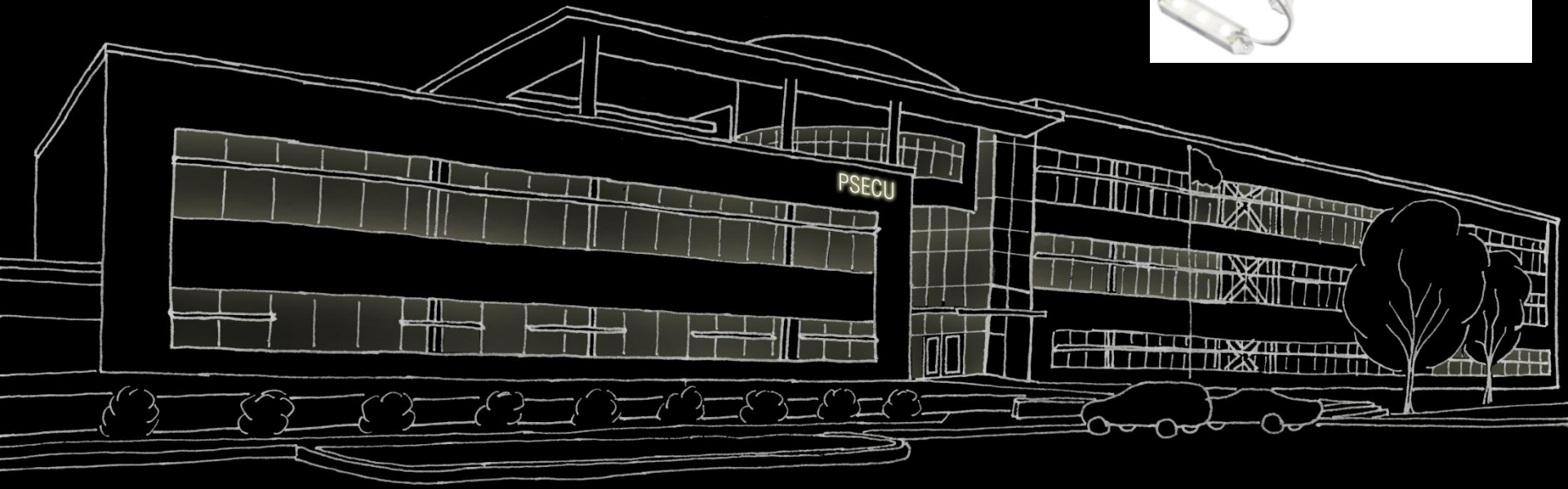
- Aesthetics
- Color Appearance
- Light Distribution
- Light Trespass
- Modeling of Faces
- Horizontal Illuminance at Entry Canopy
  - 15 lux
- Horizontal Illuminance at Entry Plaza
  - 8 lux
- Vertical Illuminance at Entry Area
  - 8 lux



four spaces | building façade and entry plaza



four spaces | building façade and entry plaza



four spaces | building façade and entry plaza



four spaces | building façade and entry plaza



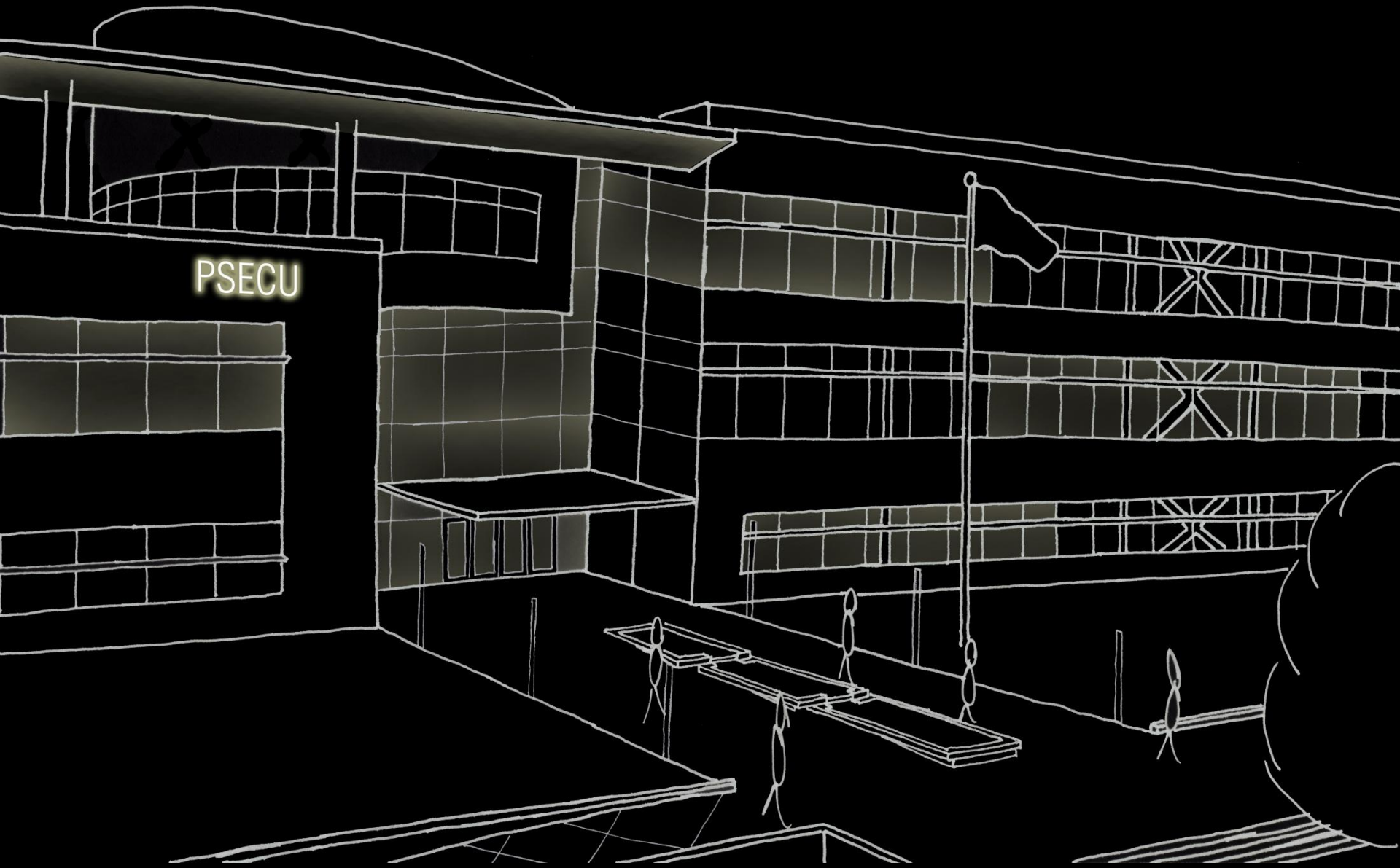
four spaces | building façade and entry plaza



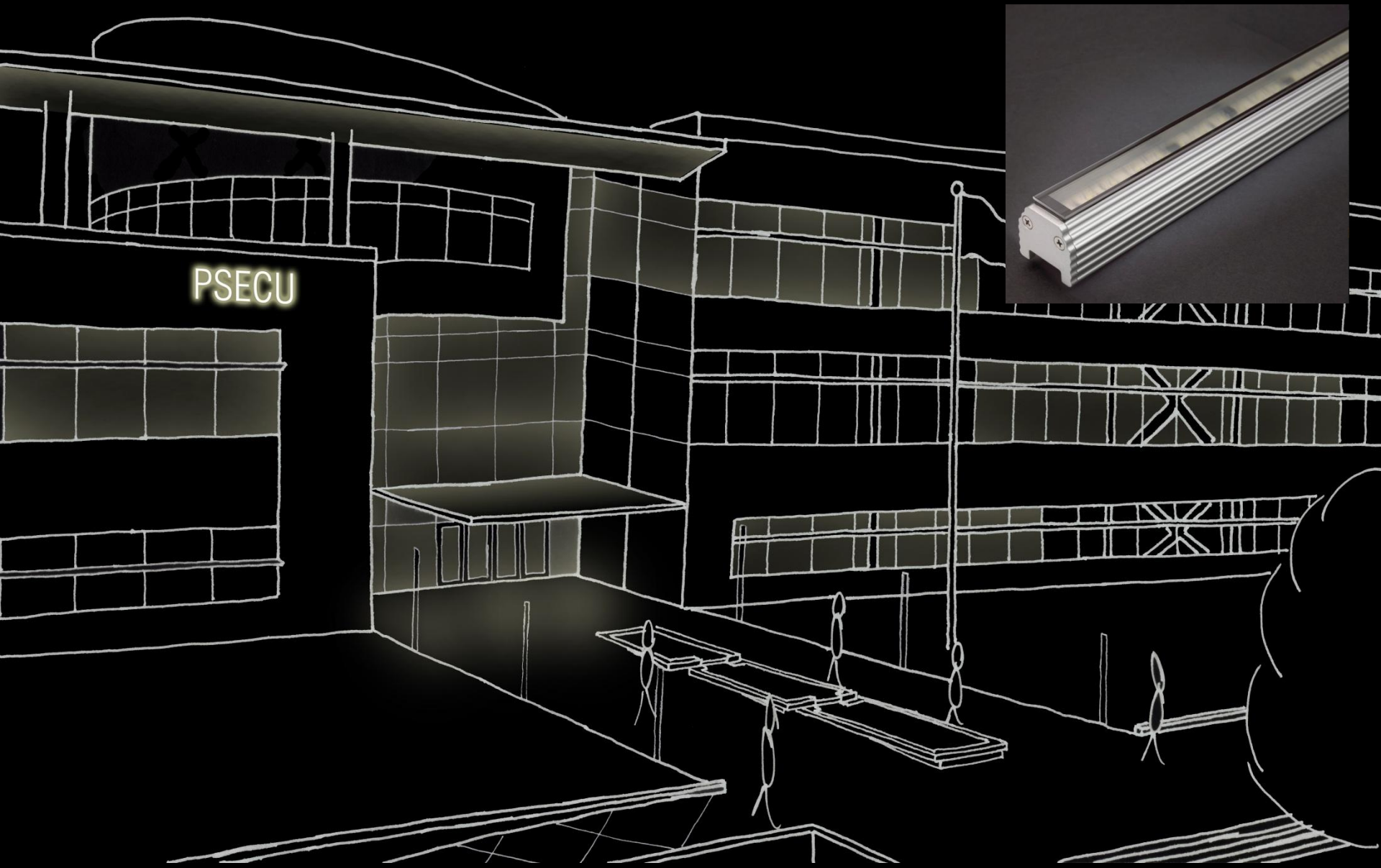
four spaces | building façade and entry plaza



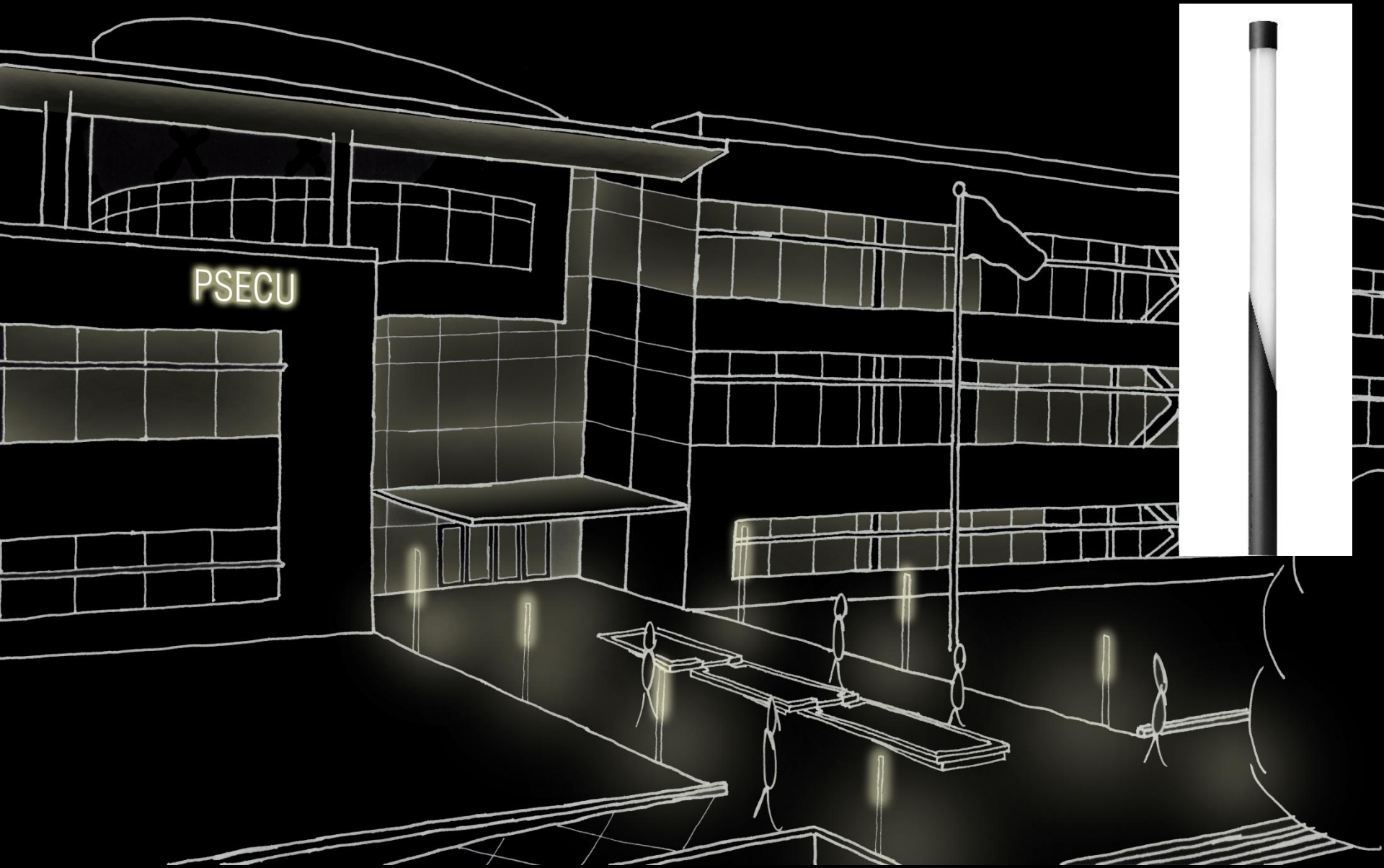
# Option 1



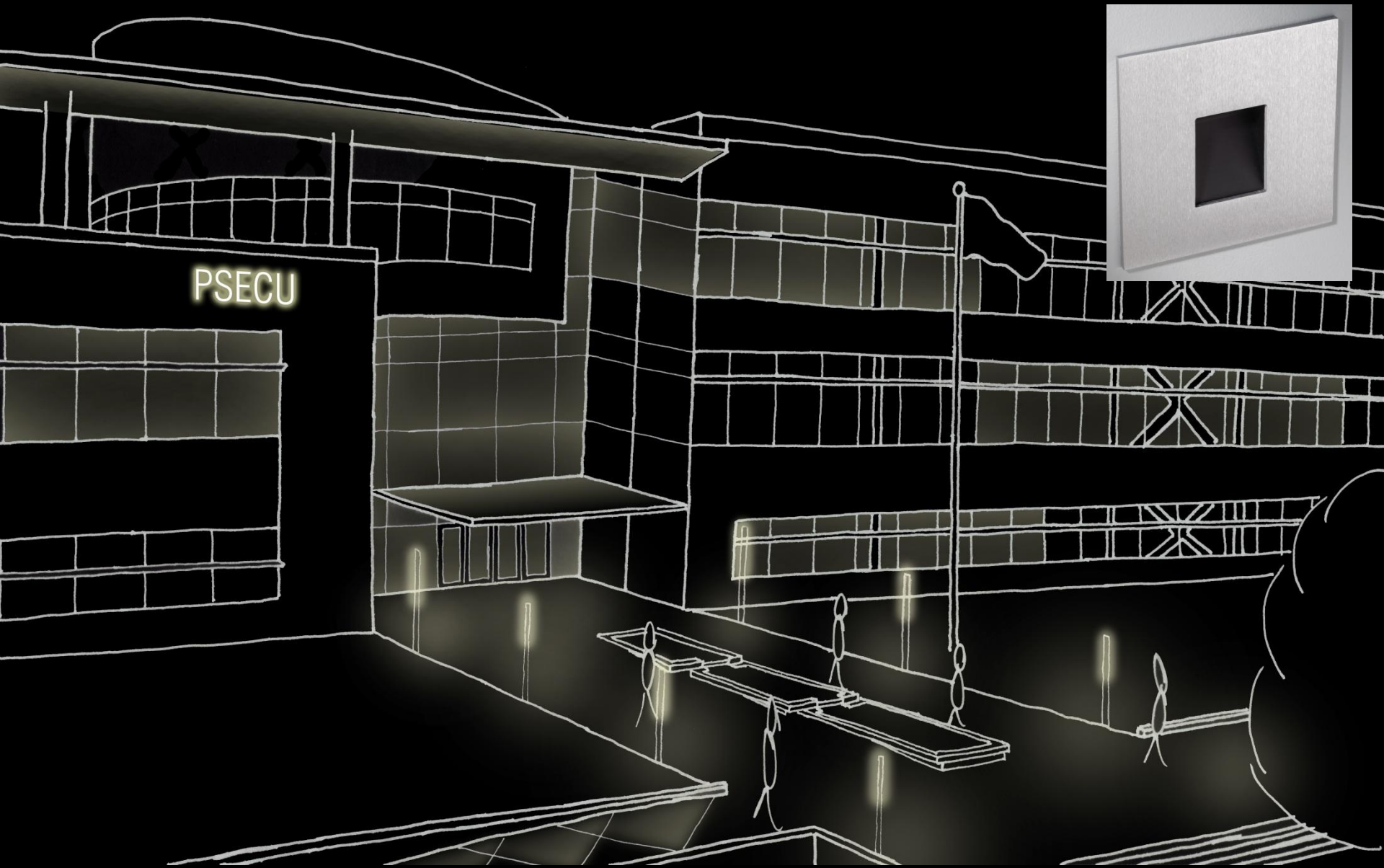
four spaces | building façade and entry plaza | option 1



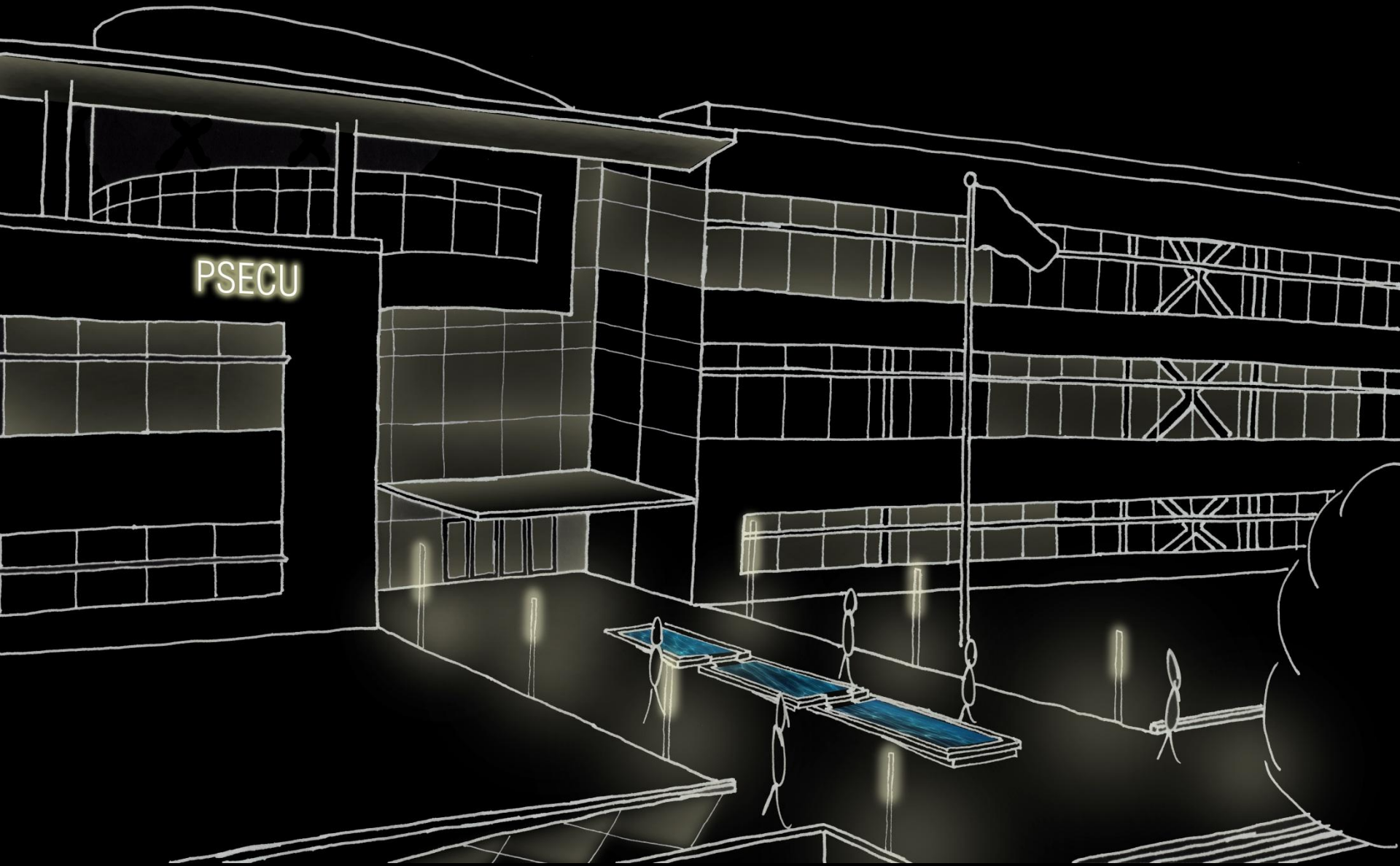
four spaces | building façade and entry plaza | option 1



four spaces | building façade and entry plaza | option 1



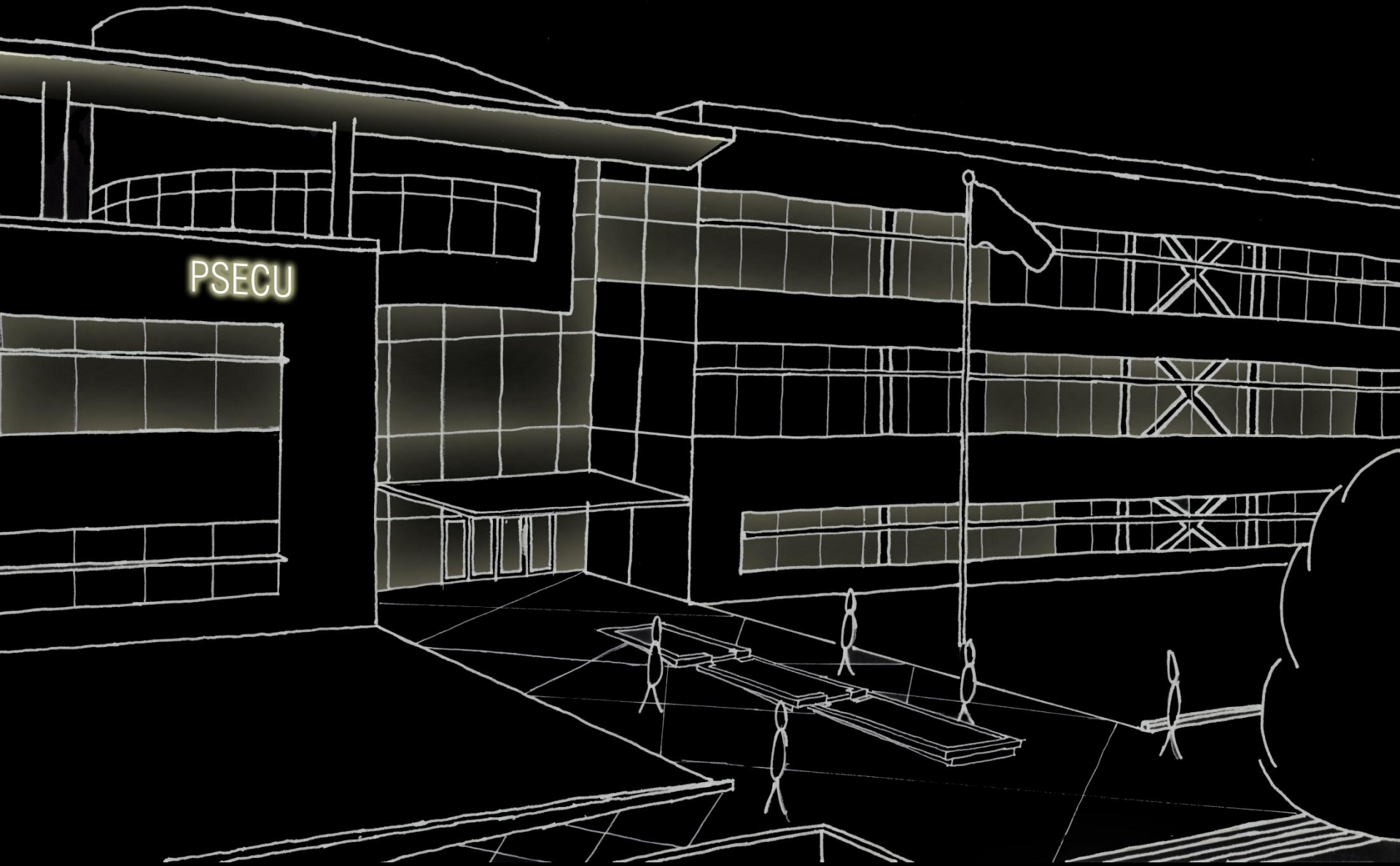
four spaces | building façade and entry plaza | option 1



four spaces | building façade and entry plaza | option 1

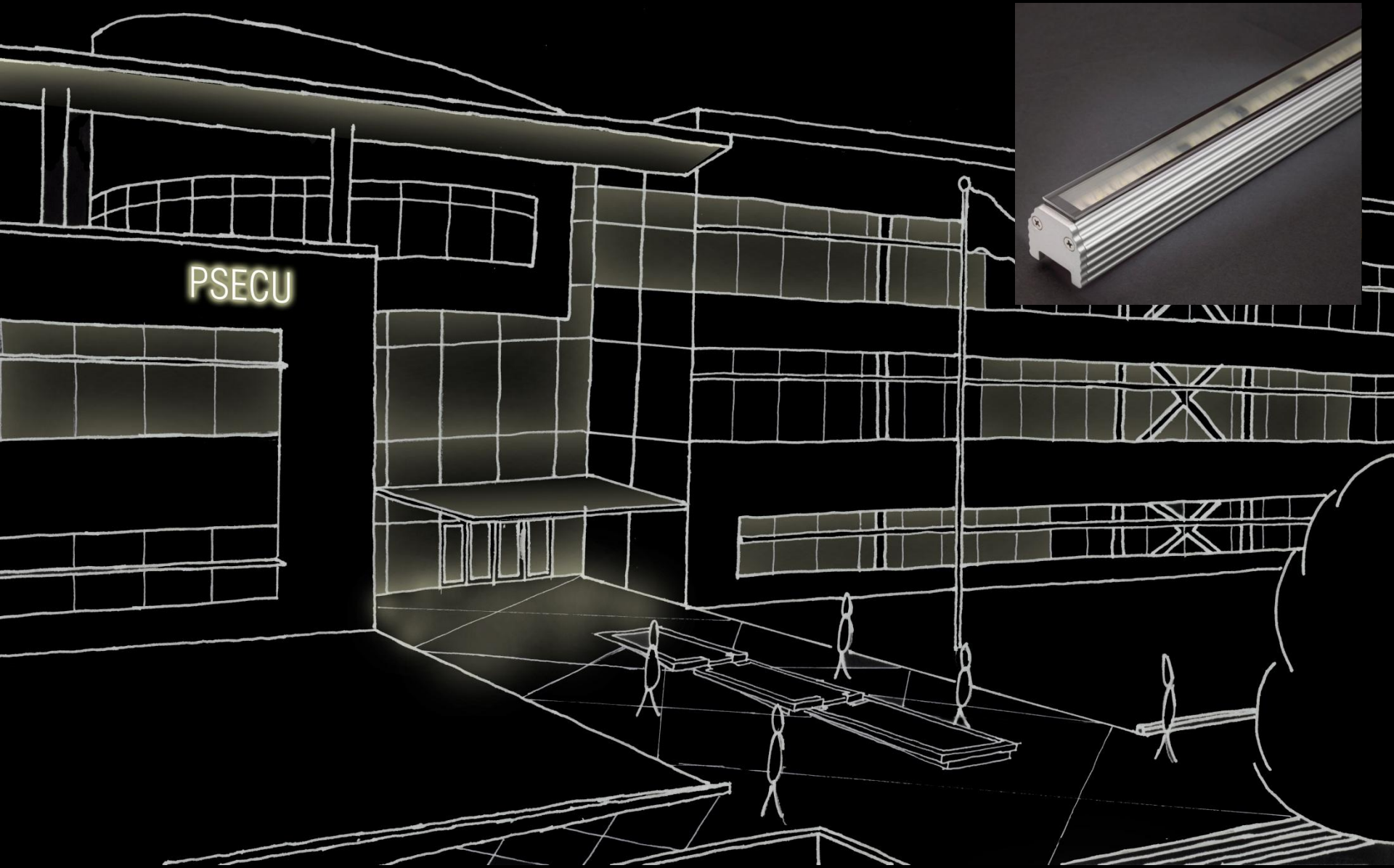
# Option 2

**four spaces | building façade and entry plaza | option 2**

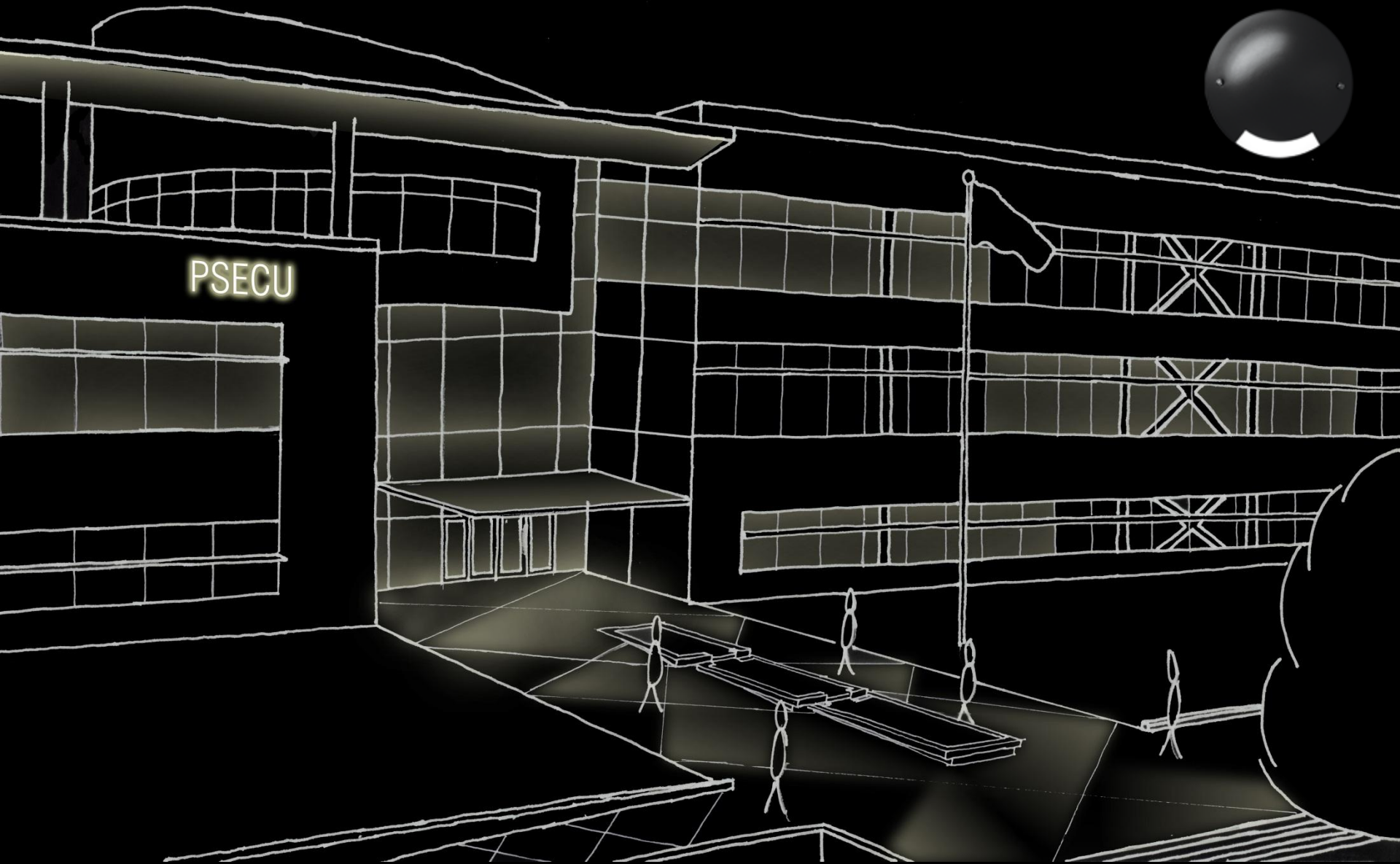


four spaces | building façade and entry plaza | option 2

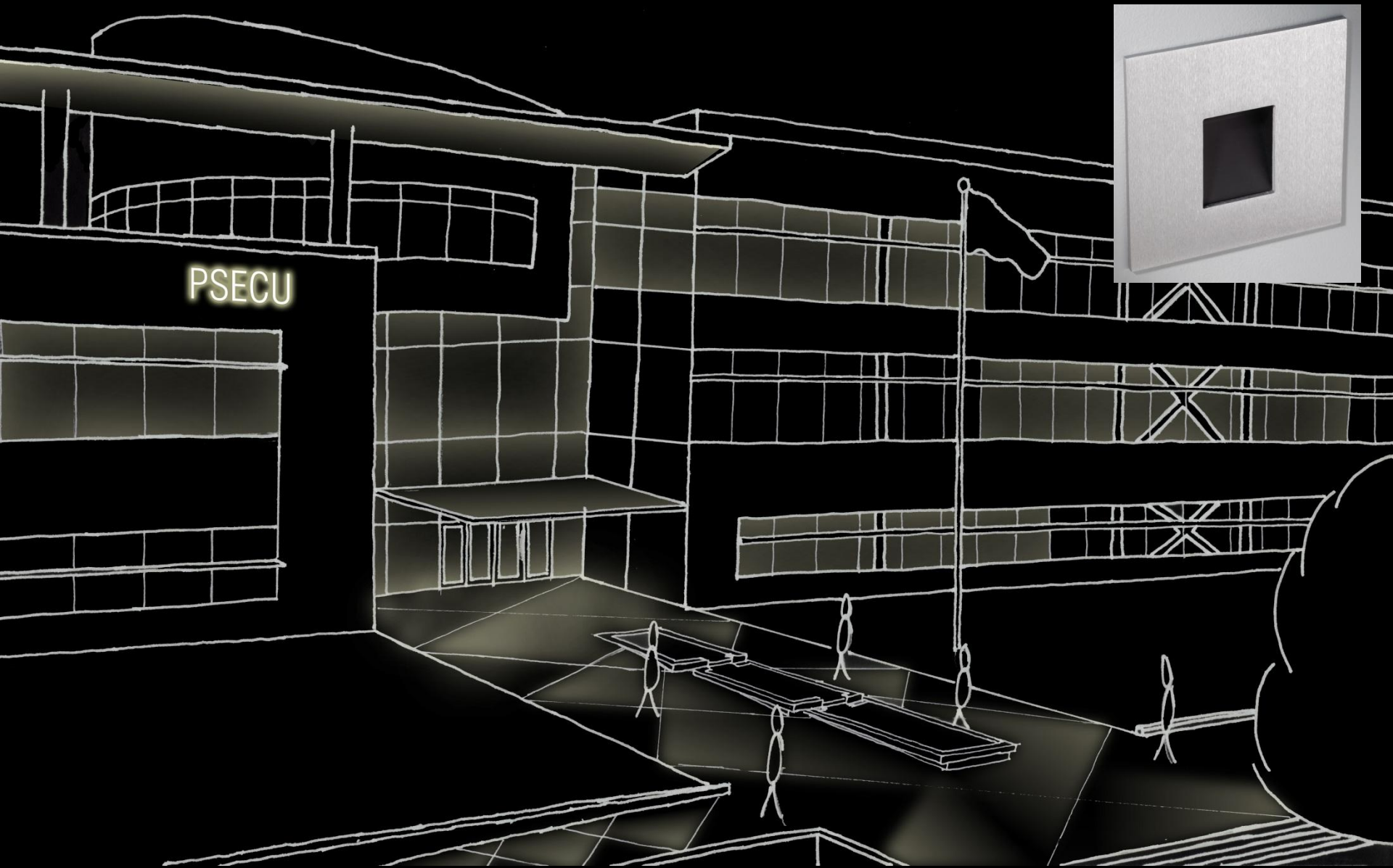




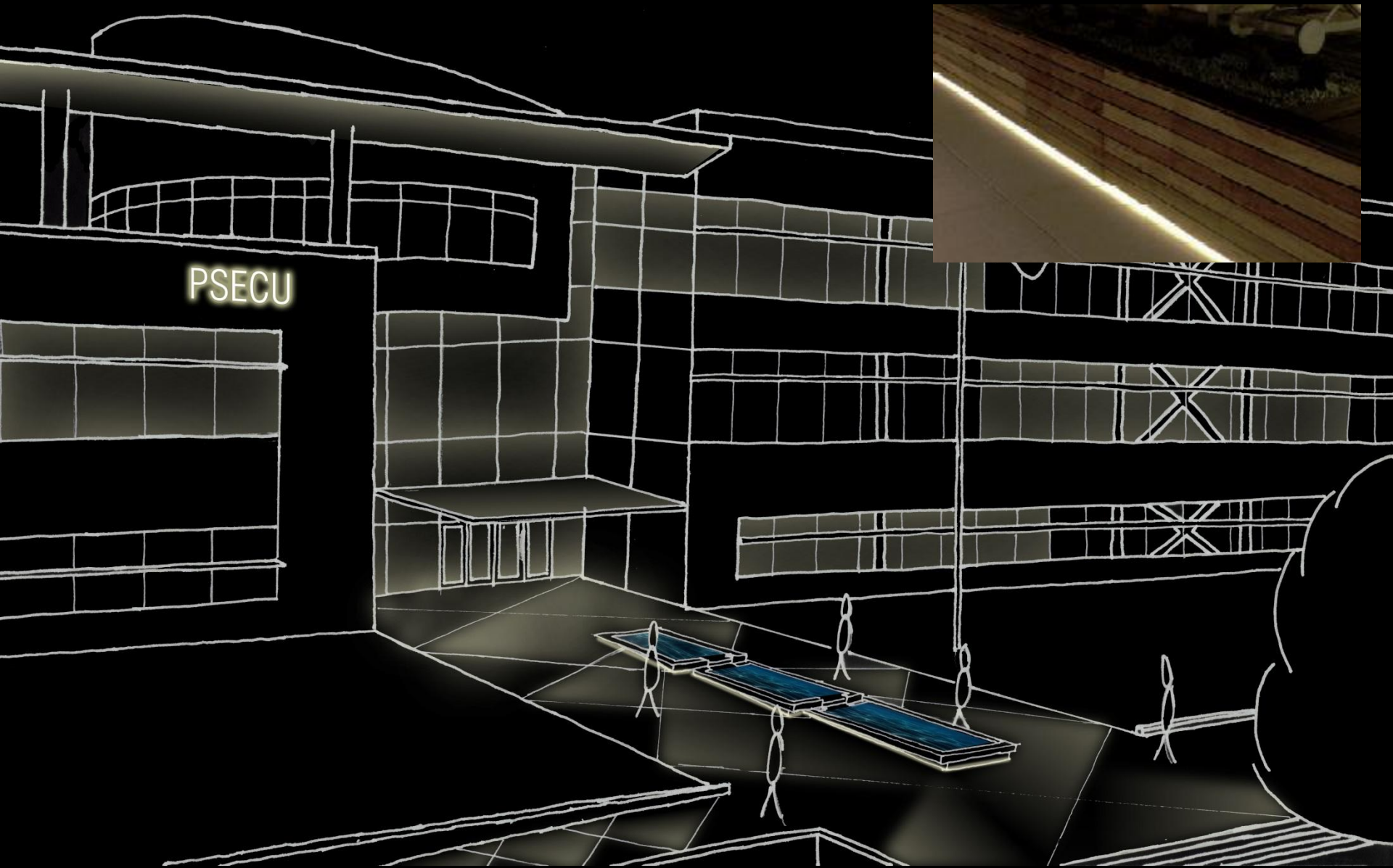
four spaces | building façade and entry plaza | option 2



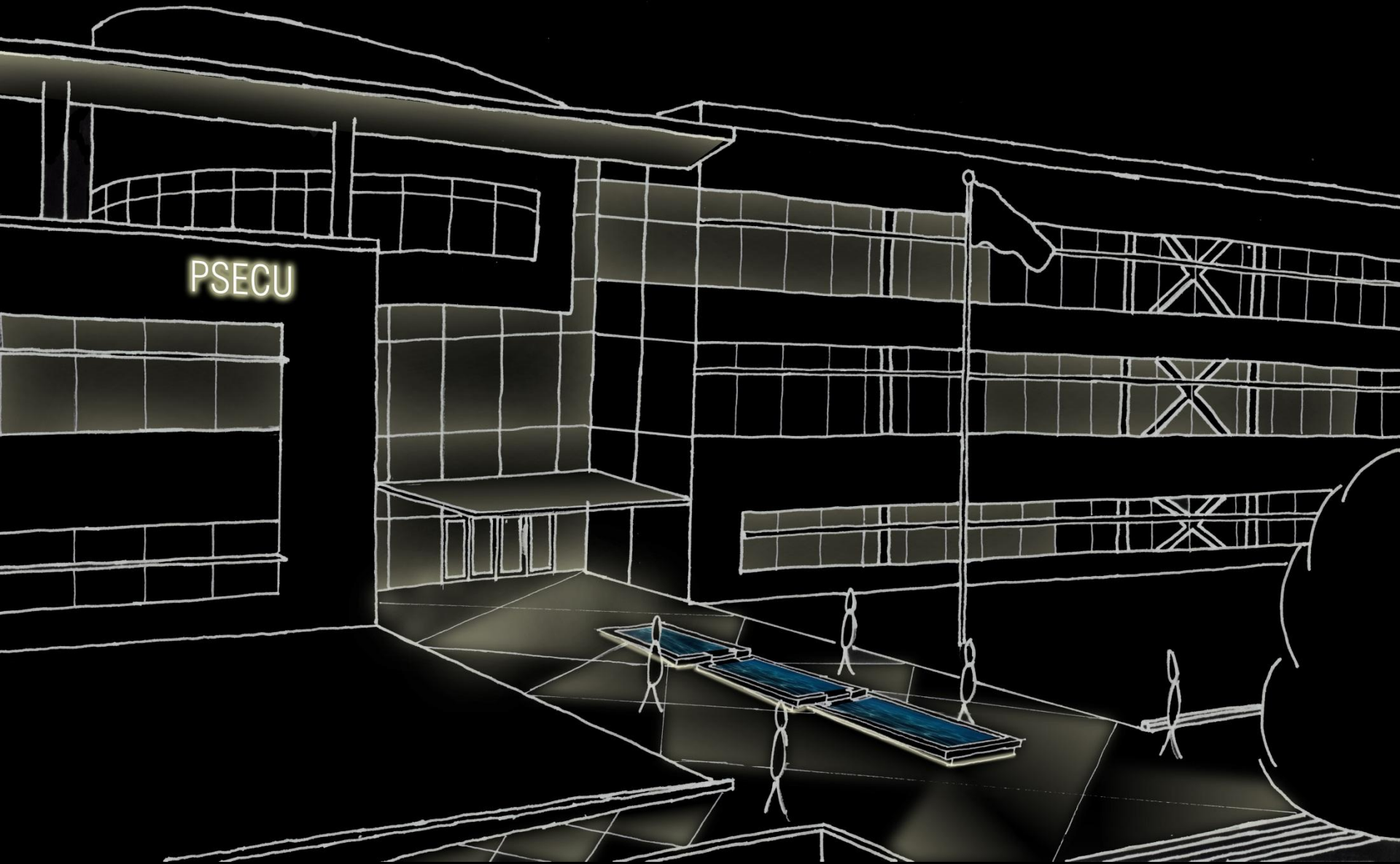
four spaces | building façade and entry plaza | option 2



four spaces | building façade and entry plaza | option 2

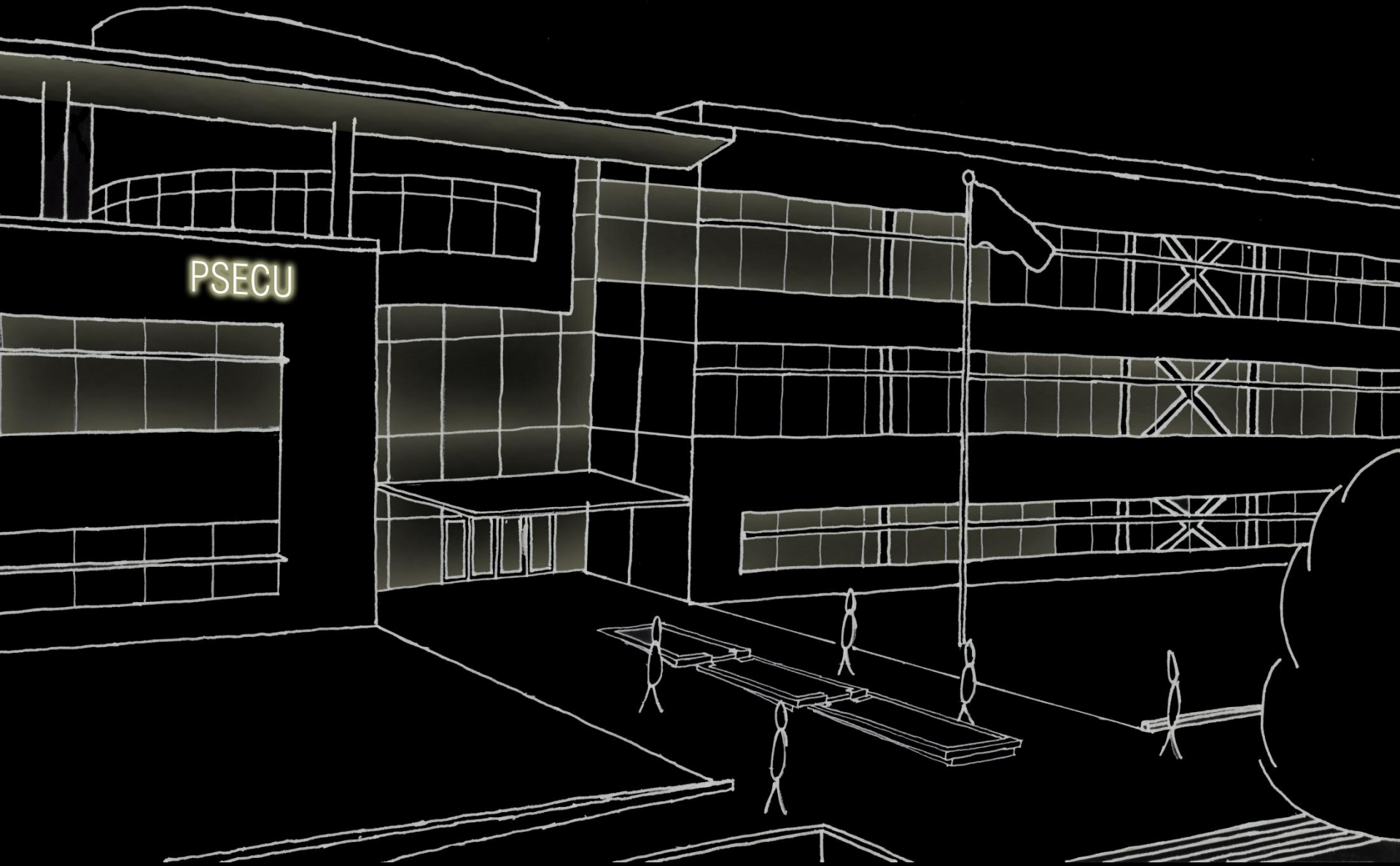


four spaces | building façade and entry plaza | option 2

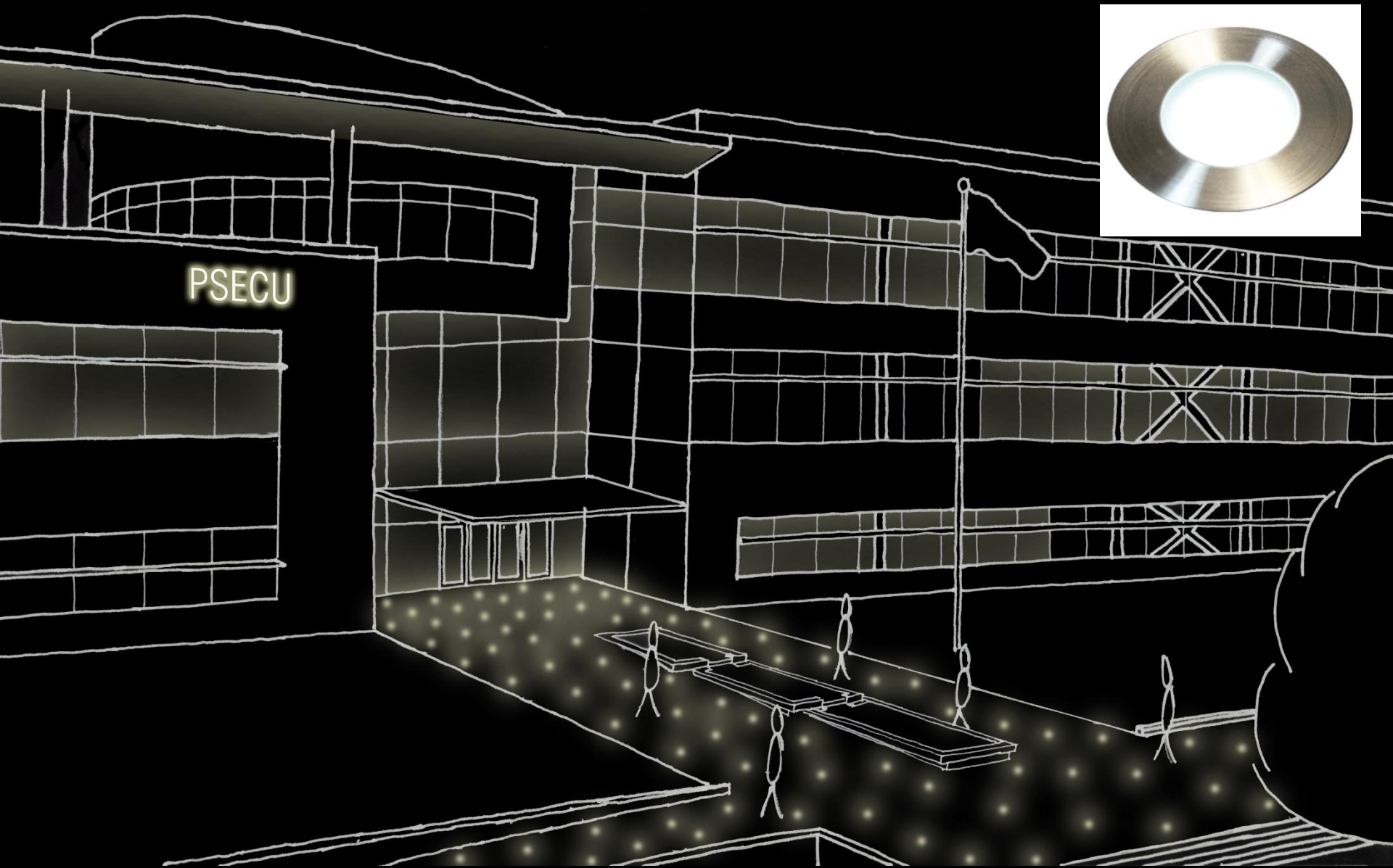


four spaces | building façade and entry plaza | option 2

# Option 3

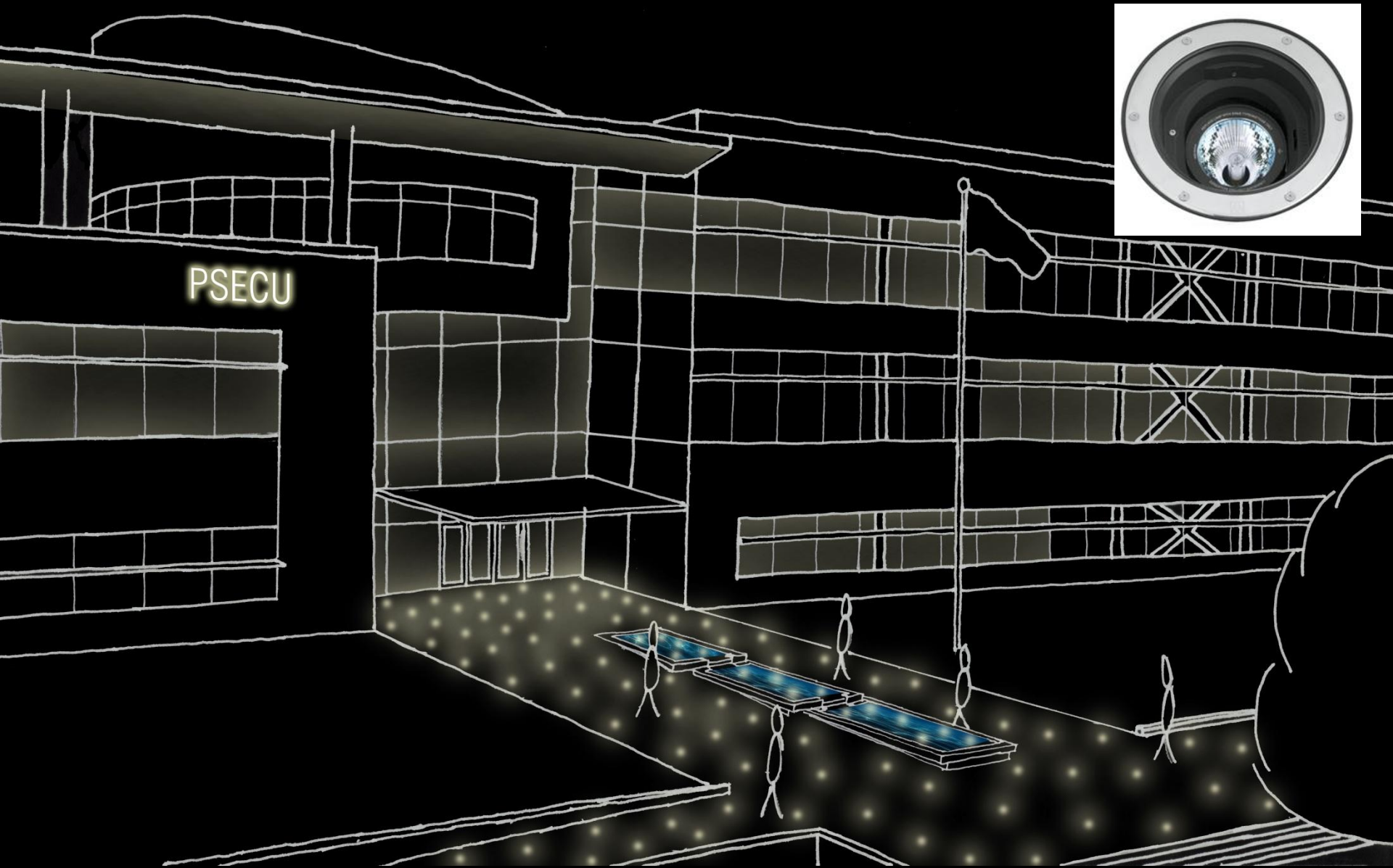


four spaces | building façade and entry plaza | option 3

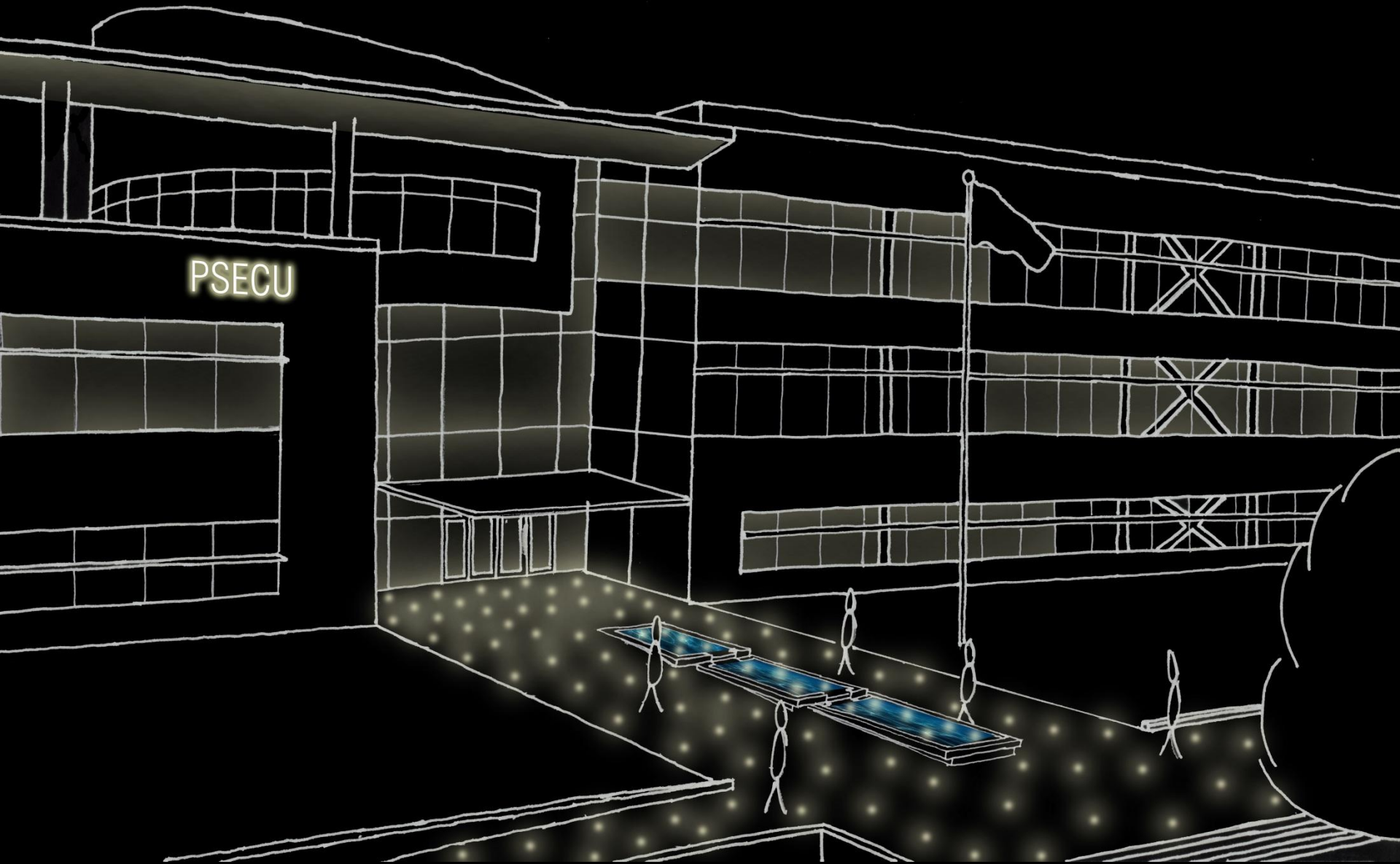


four spaces | building façade and entry plaza | option 3



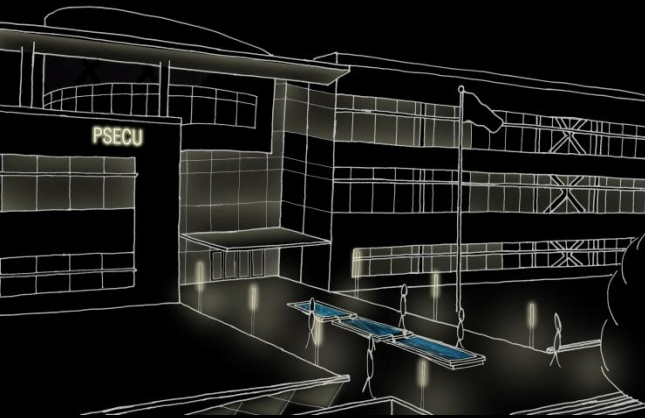


four spaces | building façade and entry plaza | option 3

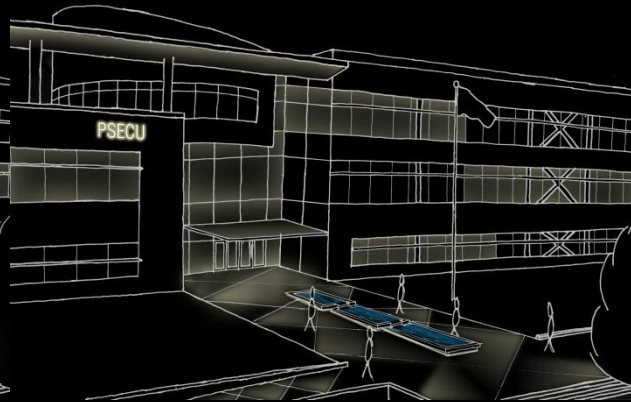


four spaces | building façade and entry plaza | option 3

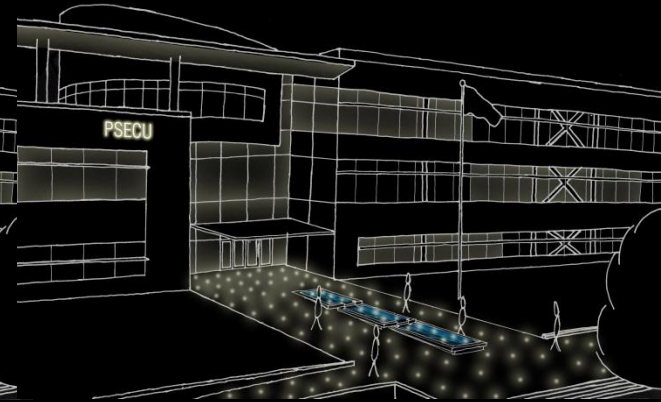
Option 1



Option 2



Option 3



four spaces | building façade and entry plaza

# Circulation Space



four spaces | lobby





## Design Criteria

- Aesthetics
- Color Appearance
- Daylight Integration
- Modeling of Faces
- Way Finding
- Horizontal Illuminance
  - 100 lux
- Vertical Illuminance
  - 50 lux

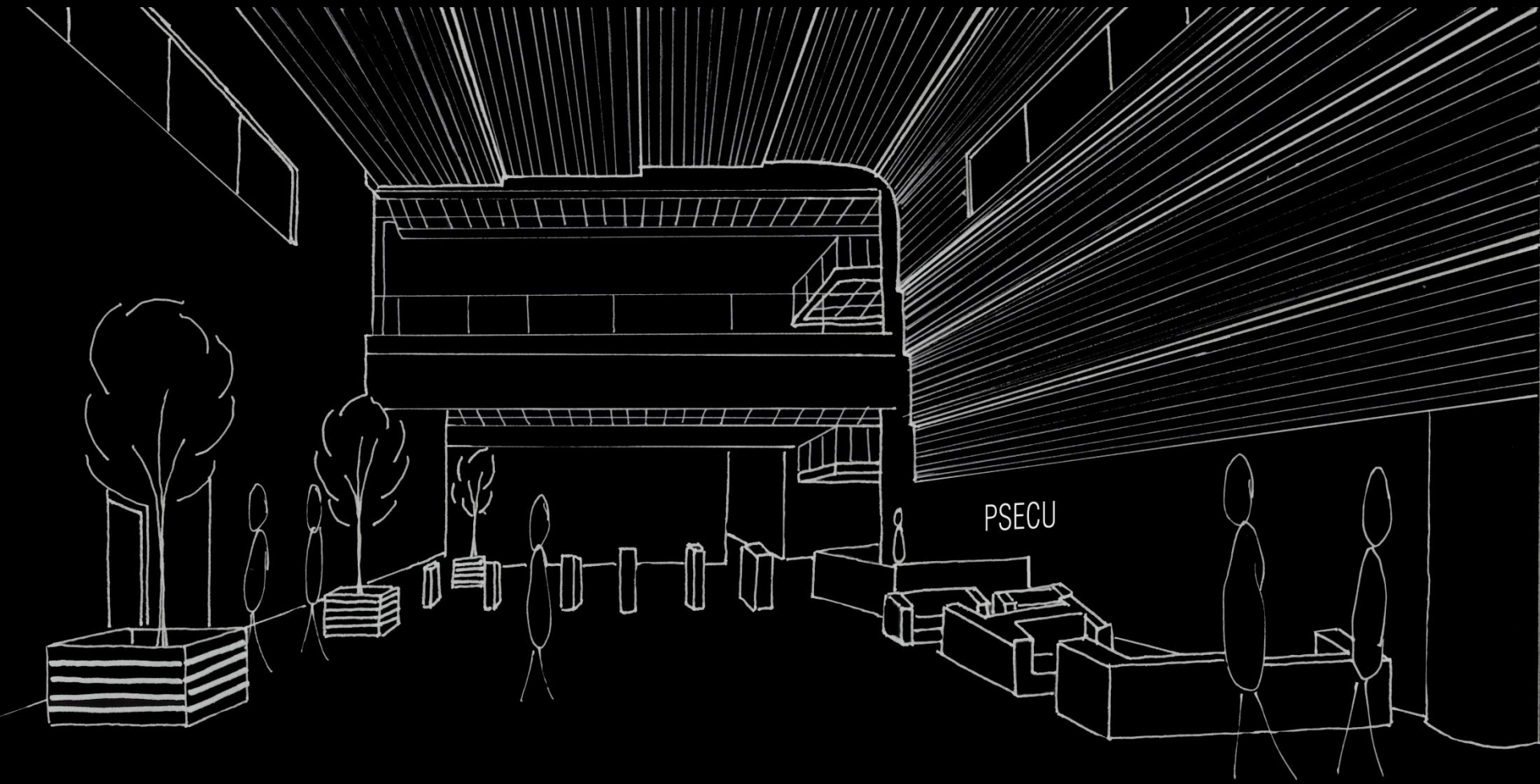




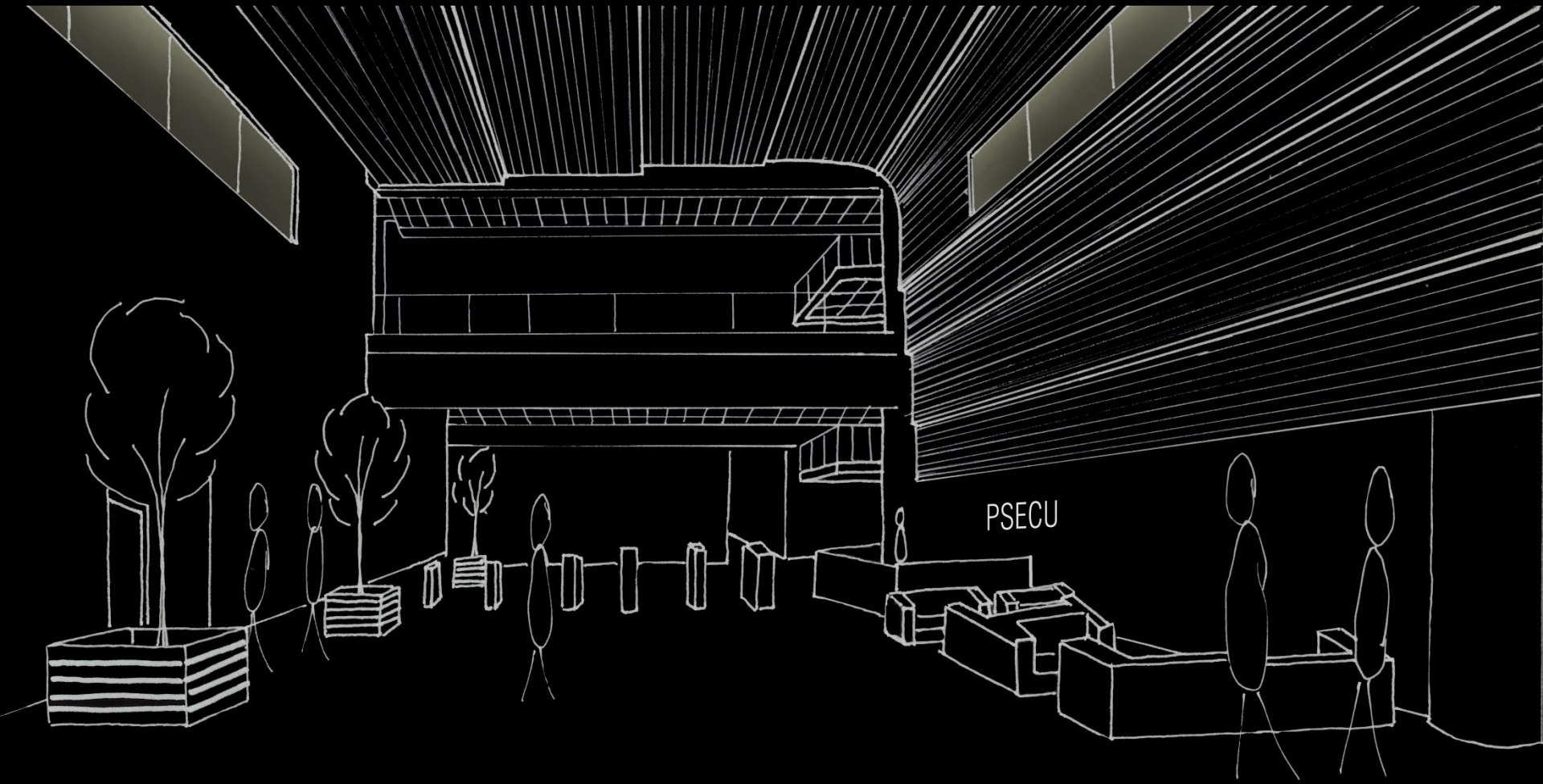
# Flynn Impression

- Public

# Option 1



four spaces | lobby | option 1



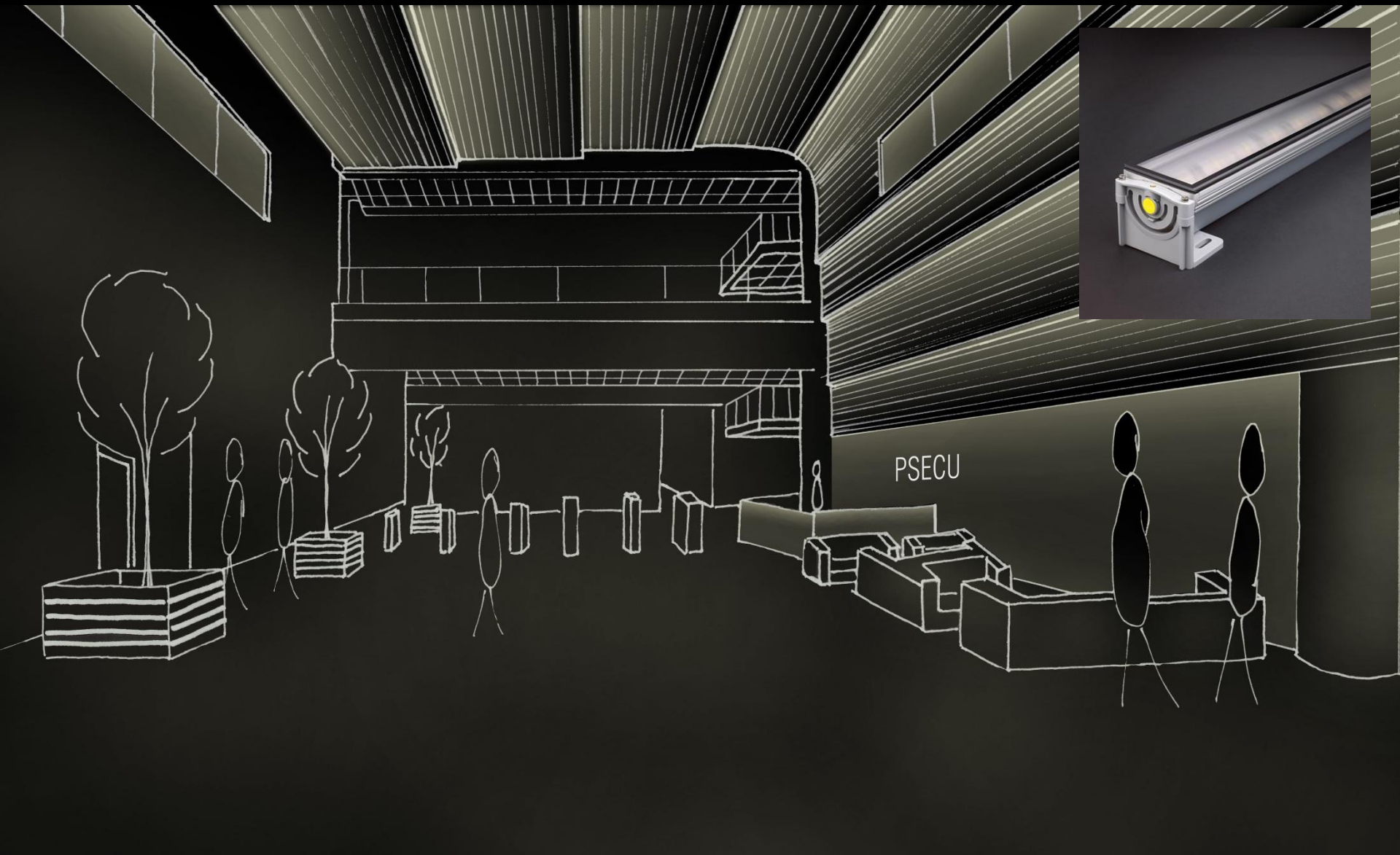
four spaces | lobby | option 1



four spaces | lobby | option 1



four spaces | lobby | option 1



four spaces | lobby | option 1



four spaces | lobby | option 1

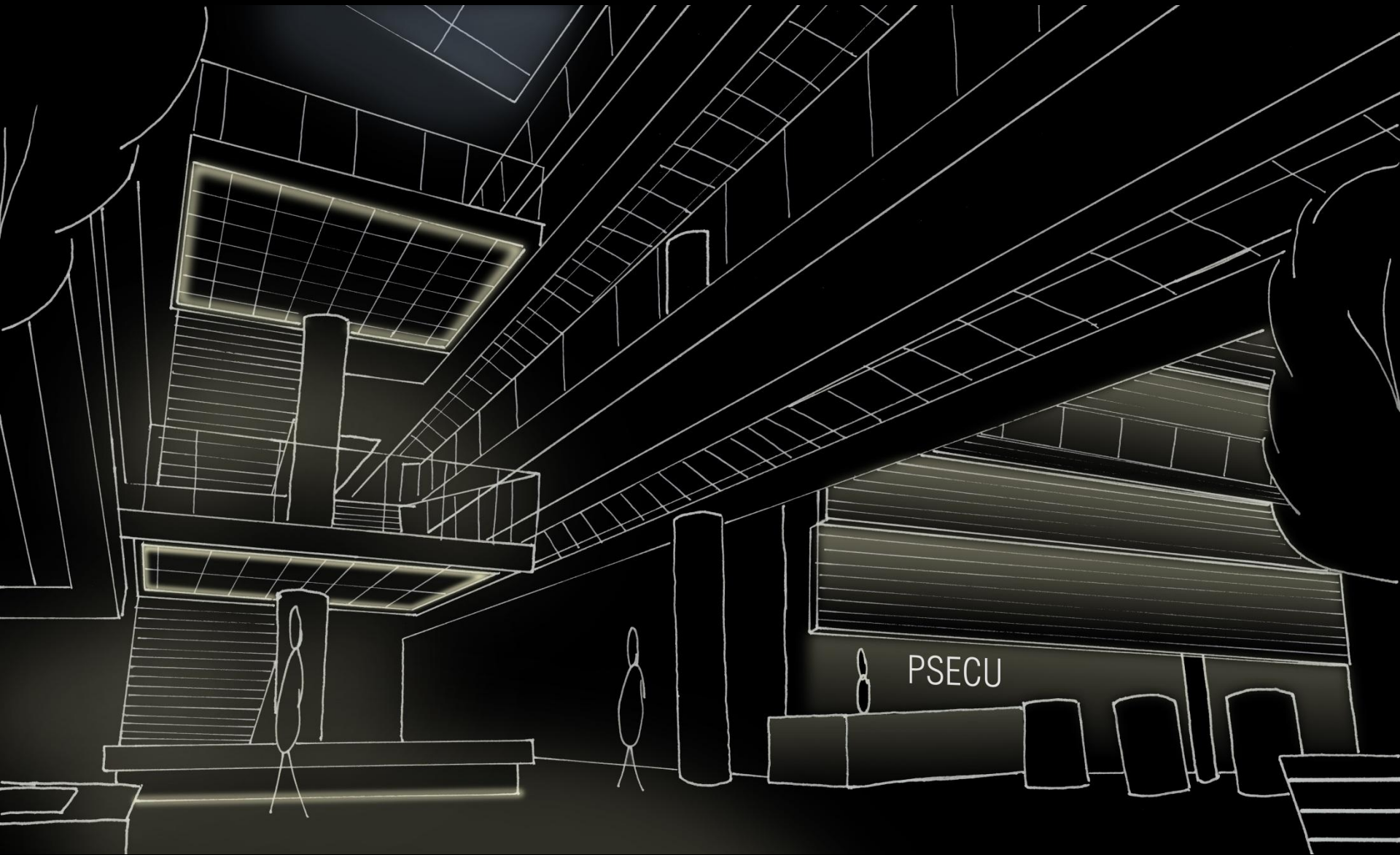




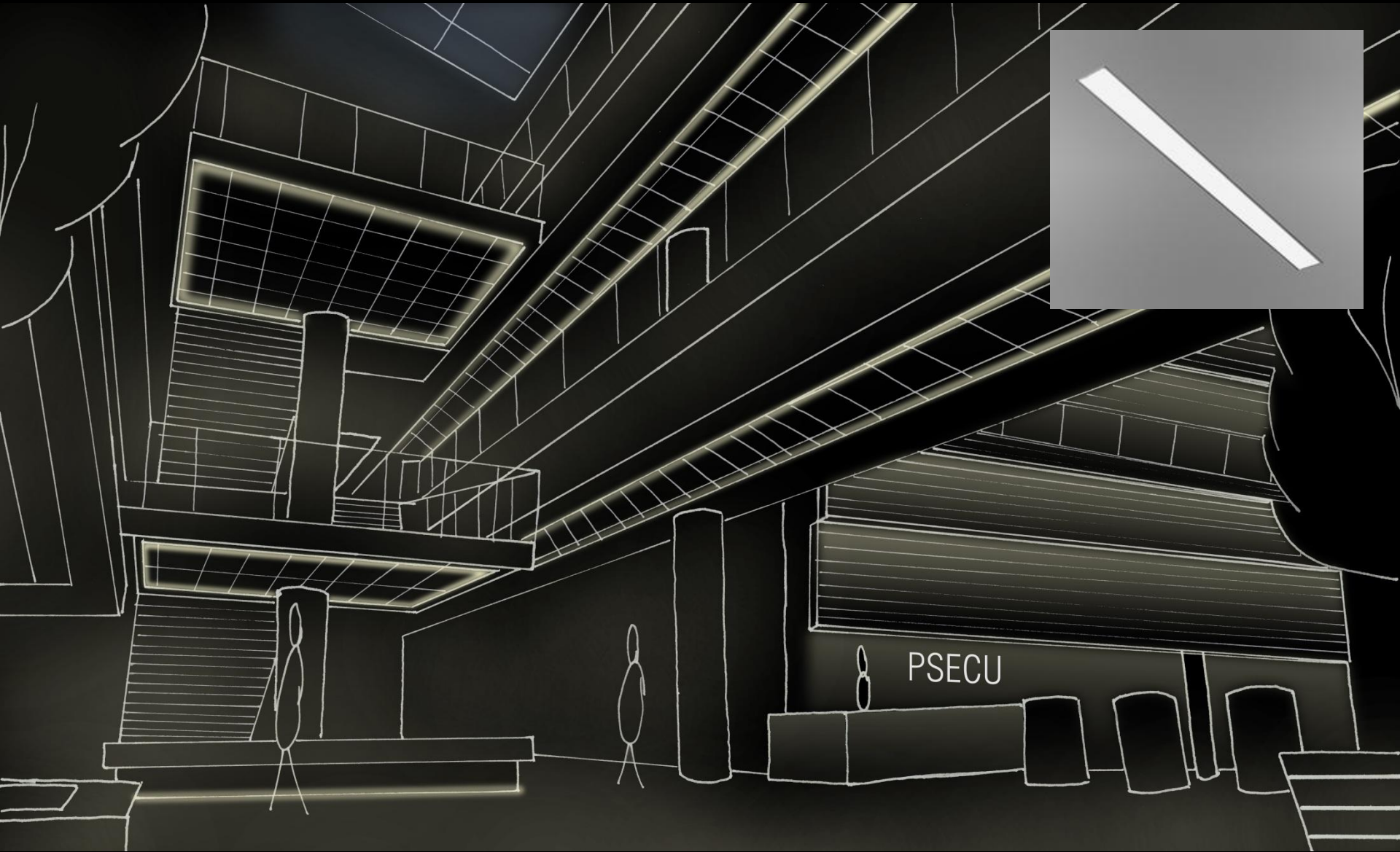
four spaces | lobby | option 1



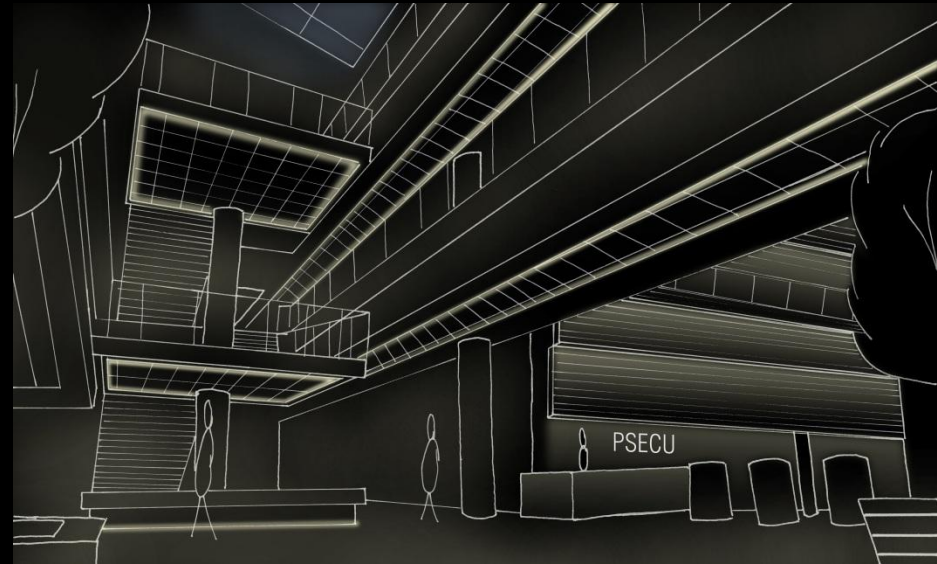
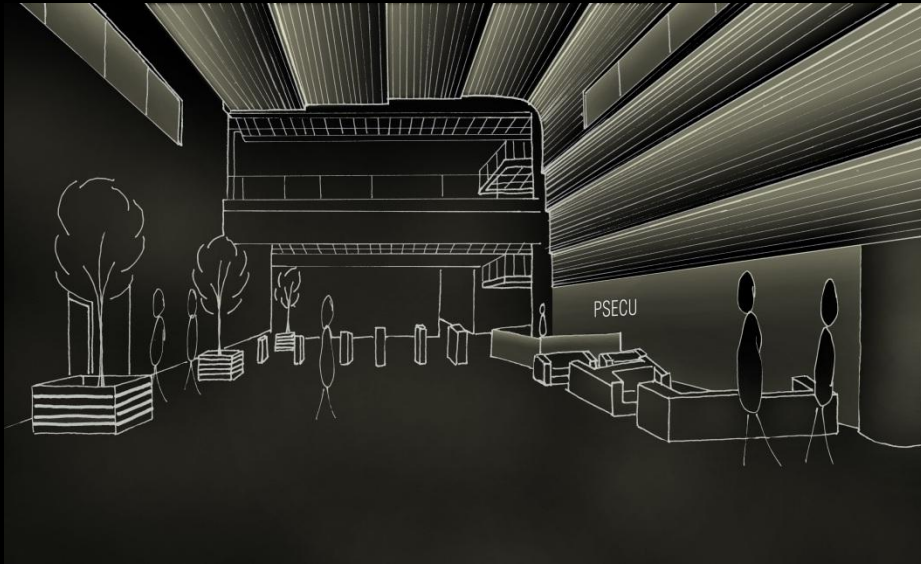
four spaces | lobby | option 1



four spaces | lobby | option 1



four spaces | lobby | option 1



four spaces | lobby | option 1

# Option 2



four spaces | lobby | option 2



four spaces | lobby | option 2

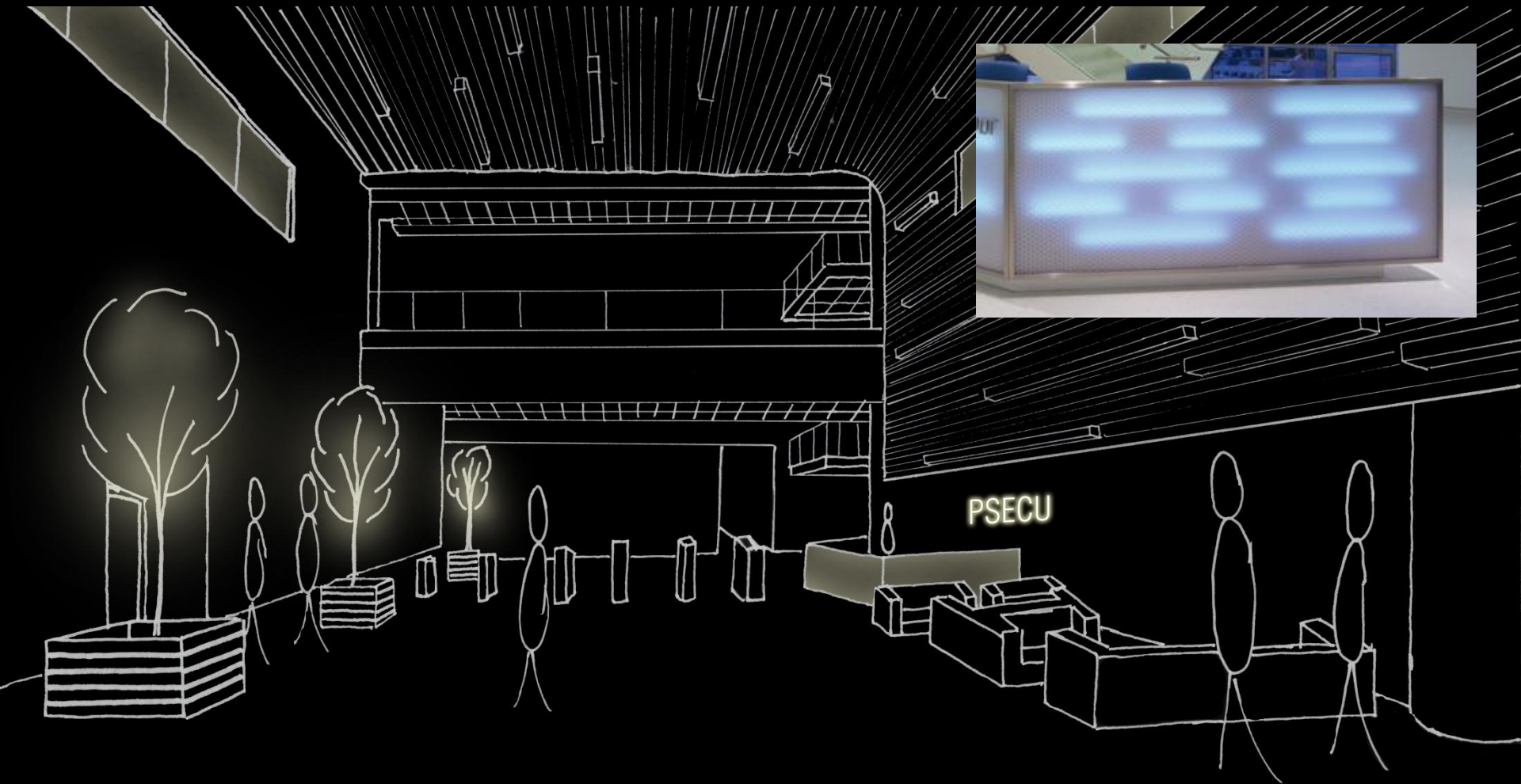




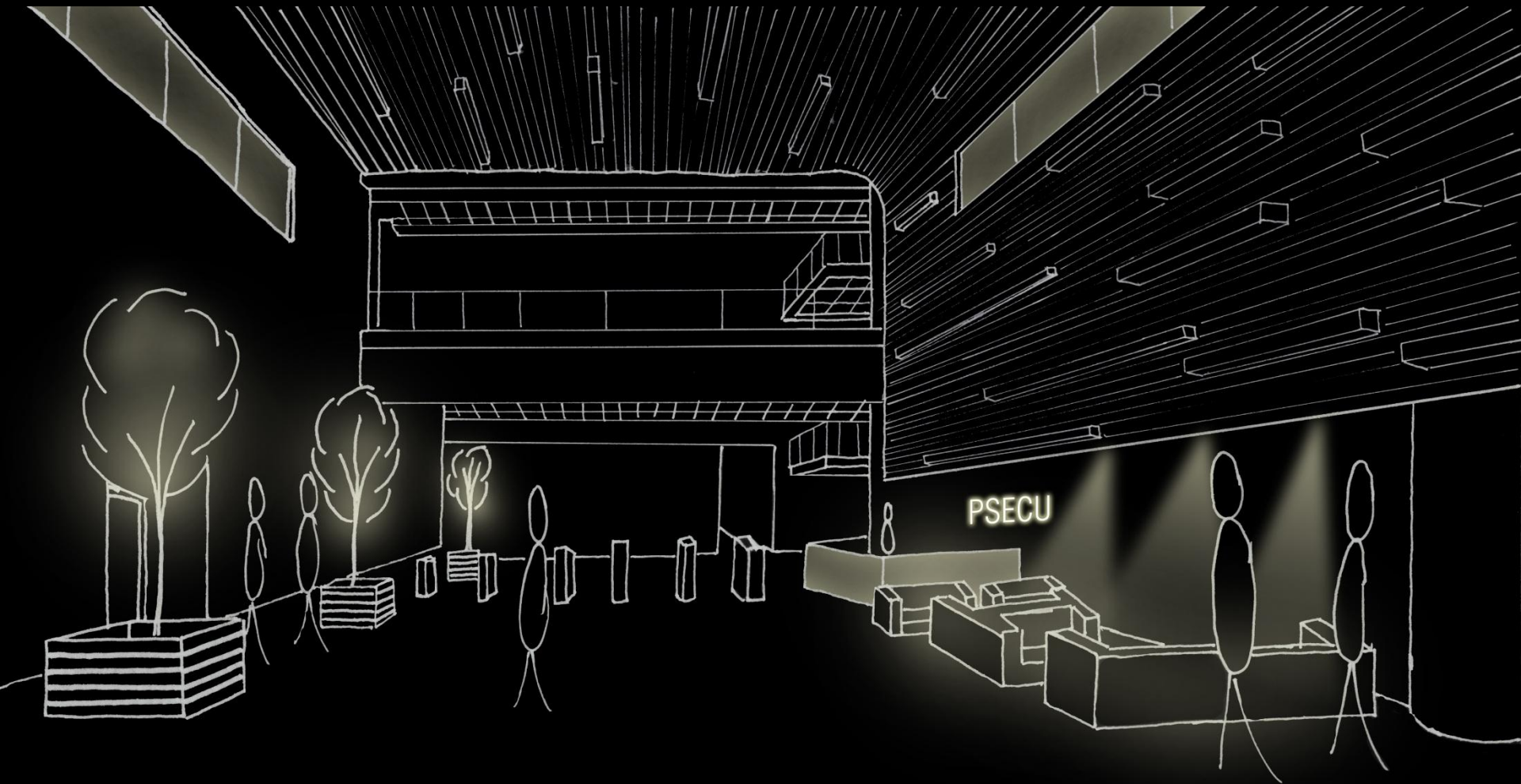
four spaces | lobby | option 2



four spaces | lobby | option 2



four spaces | lobby | option 2



four spaces | lobby | option 2



four spaces | lobby | option 2



four spaces | lobby | option 2



four spaces | lobby | option 2

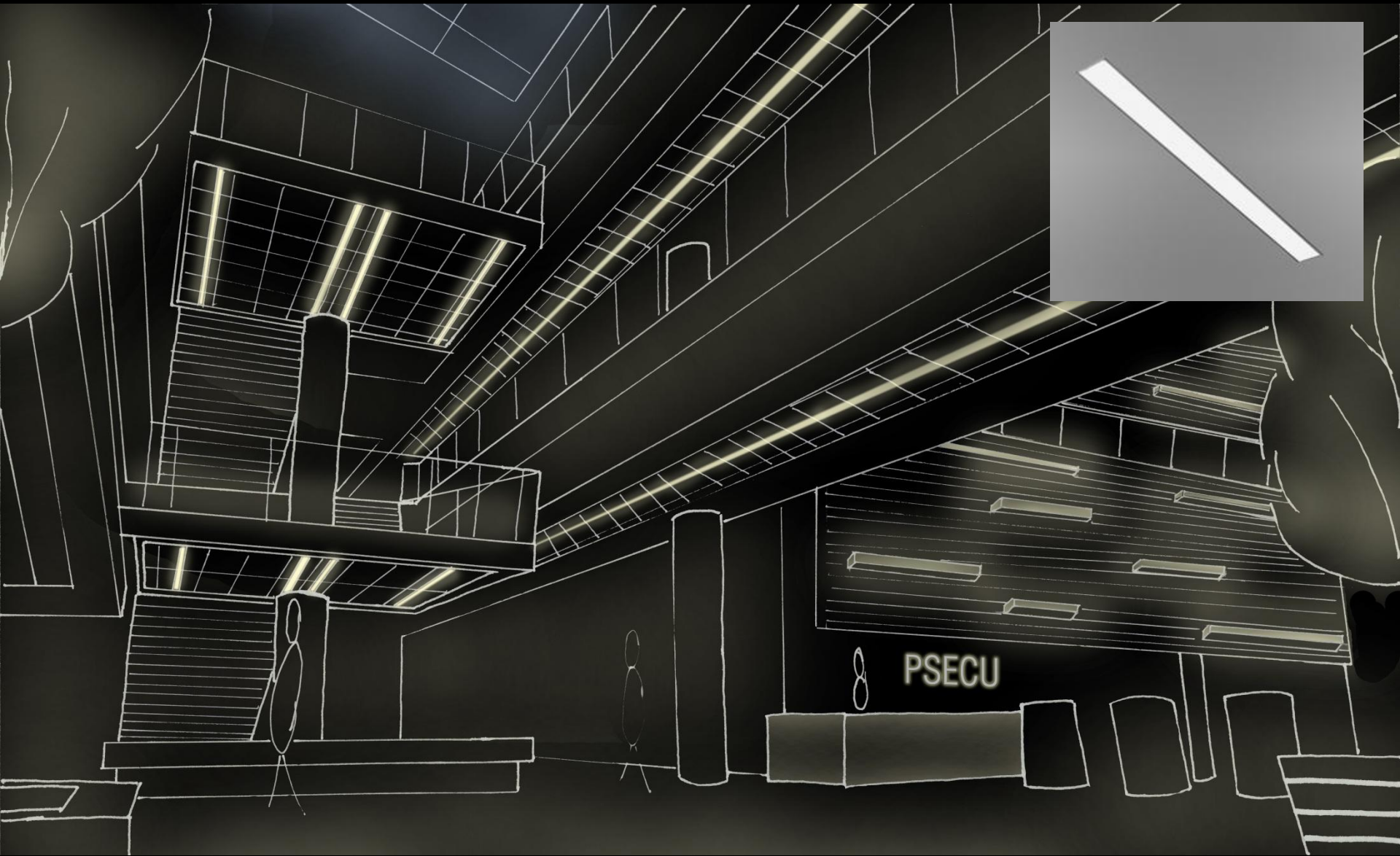


four spaces | lobby | option 2





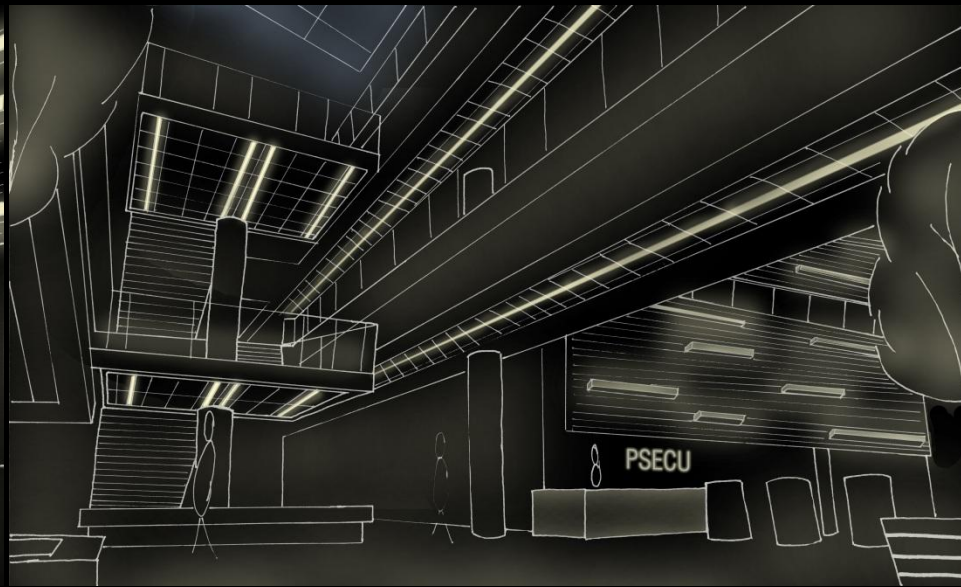
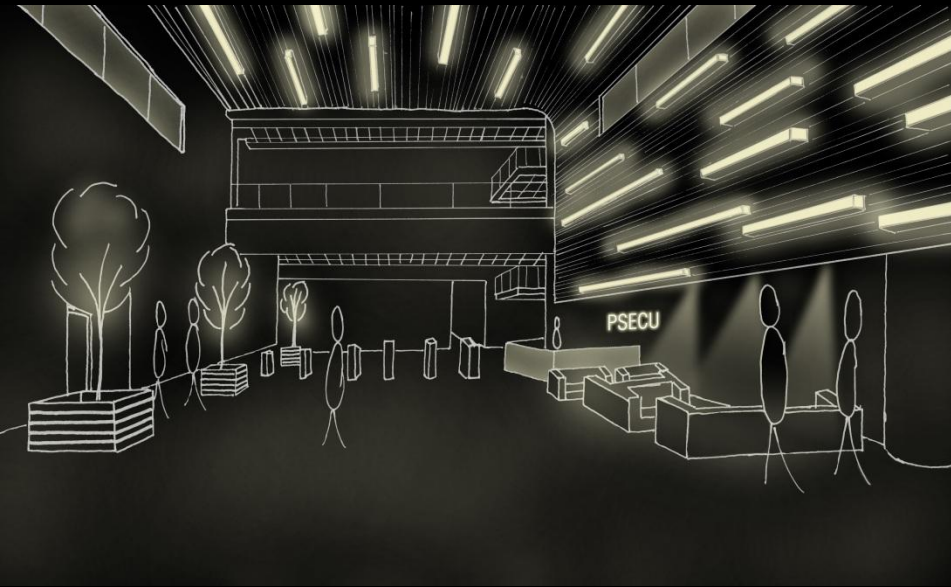
four spaces | lobby | option 2



four spaces | lobby | option 2

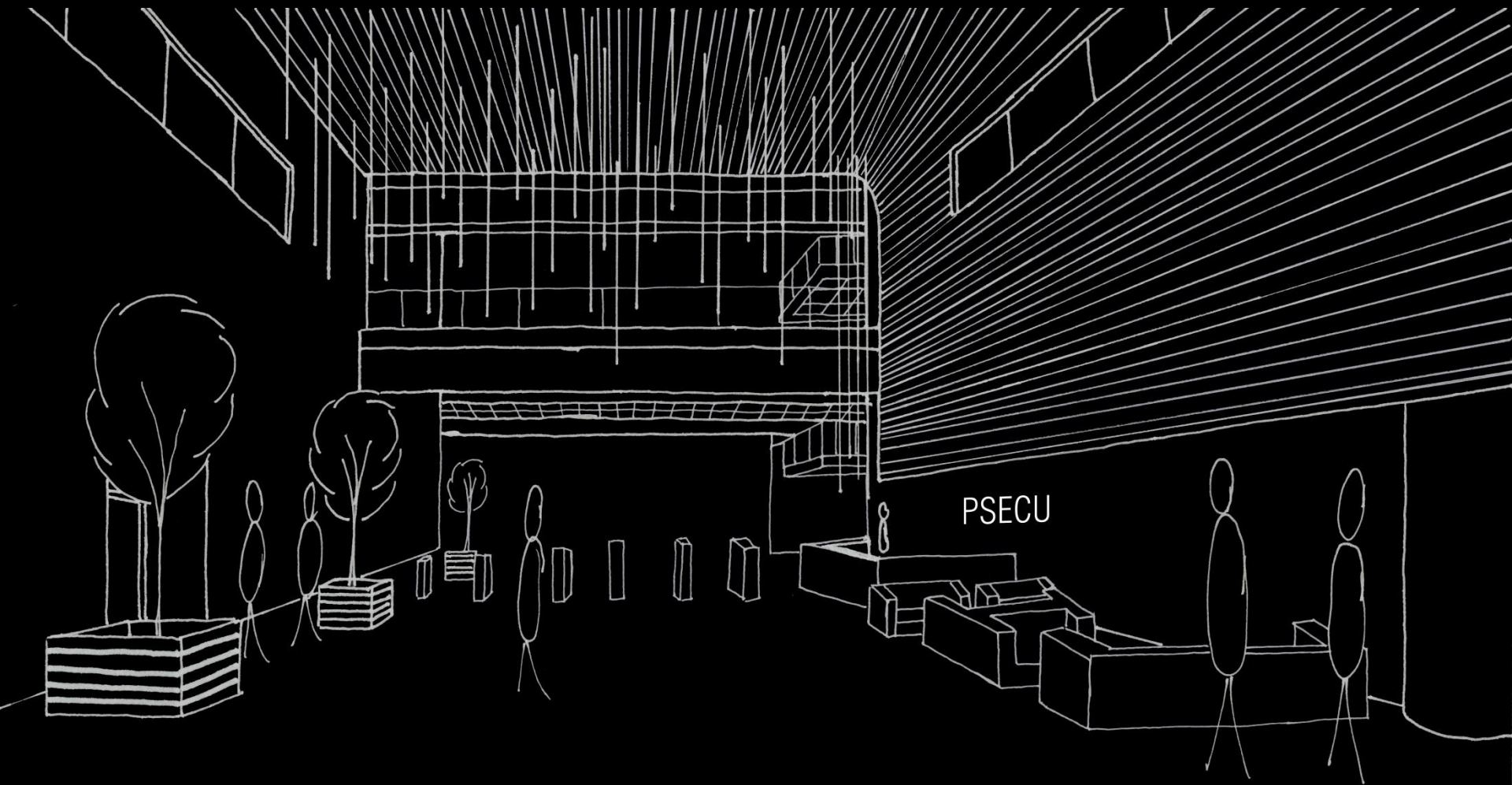


four spaces | lobby | option 2

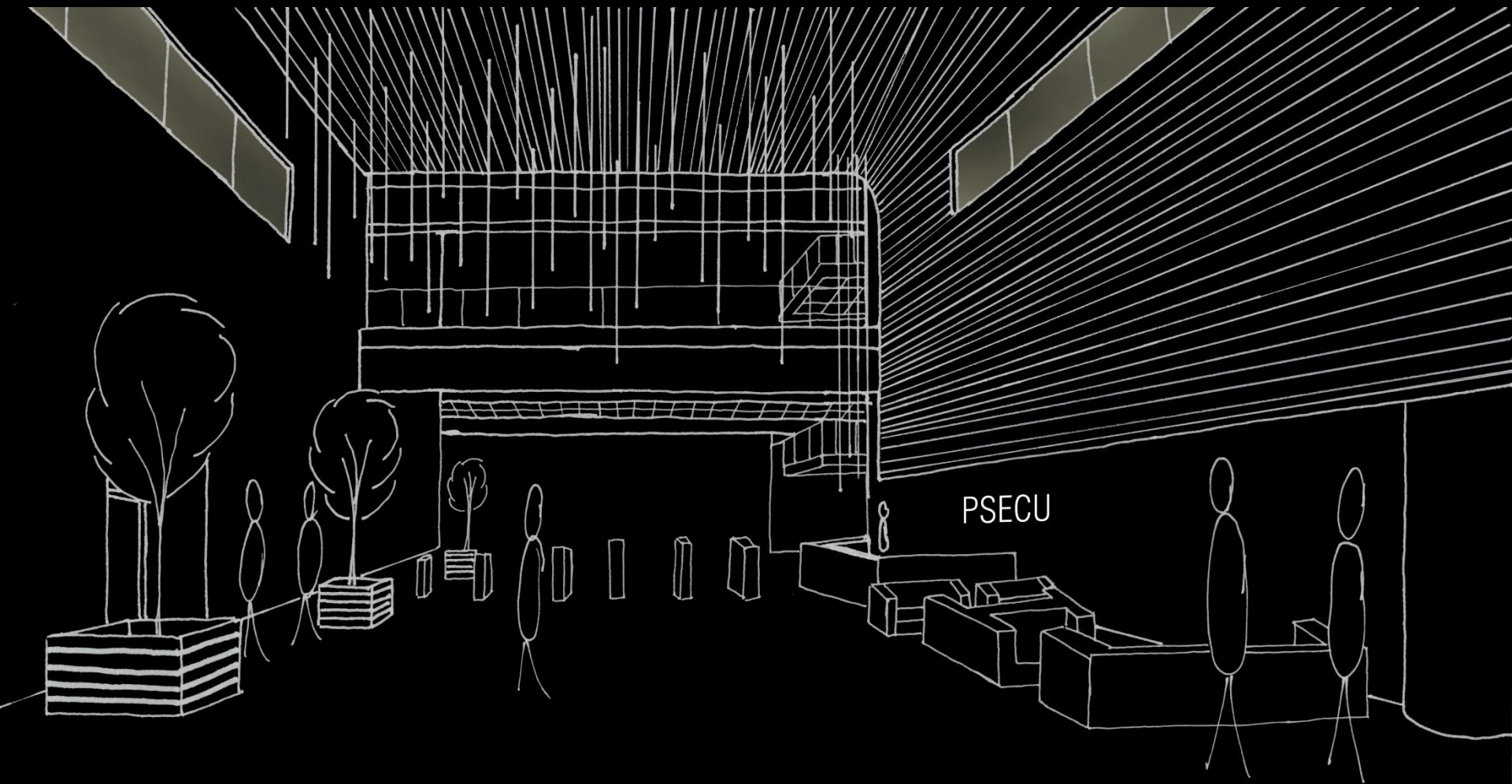


four spaces | lobby | option 2

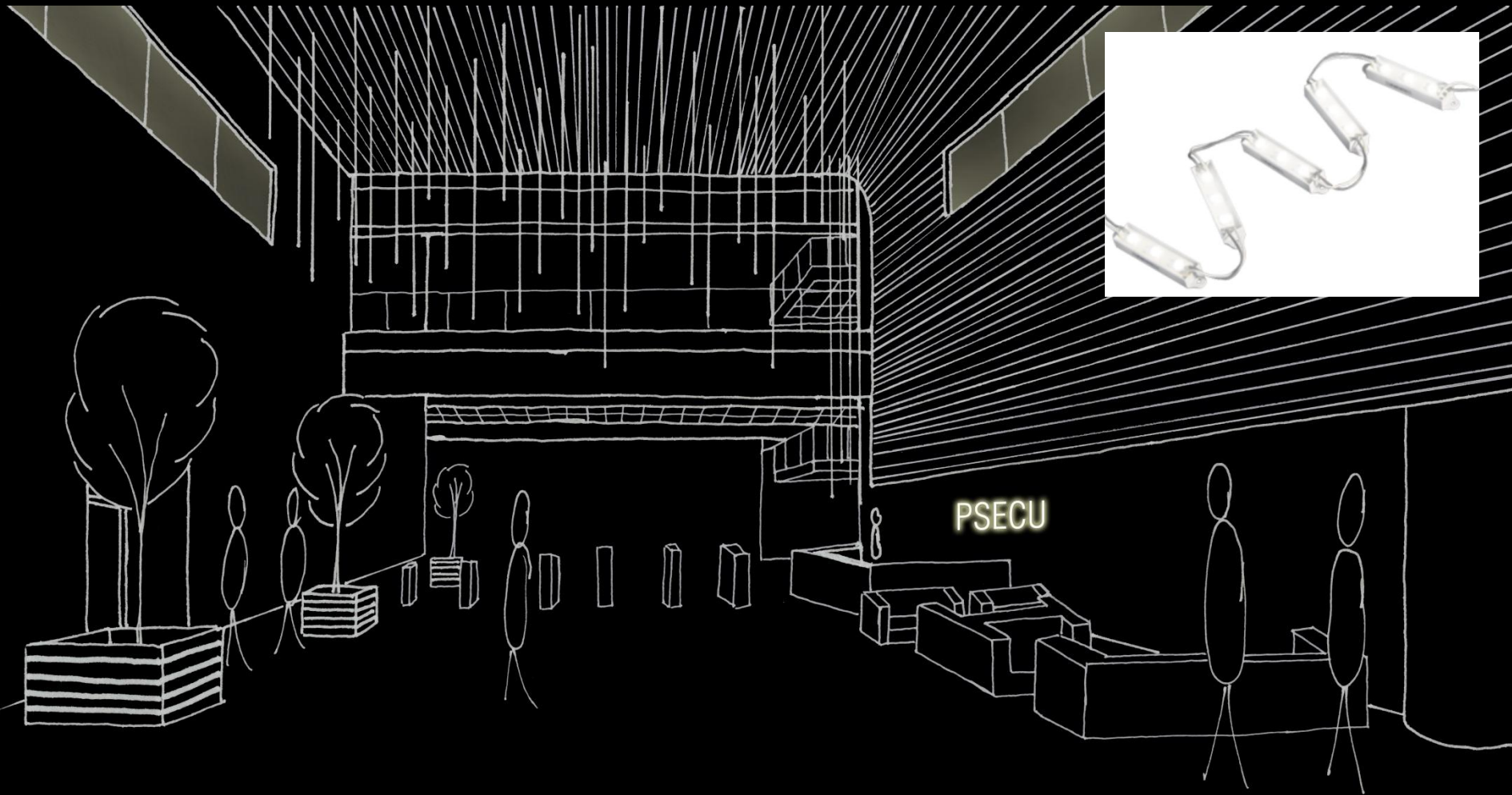
# Option 3



four spaces | lobby | option 3

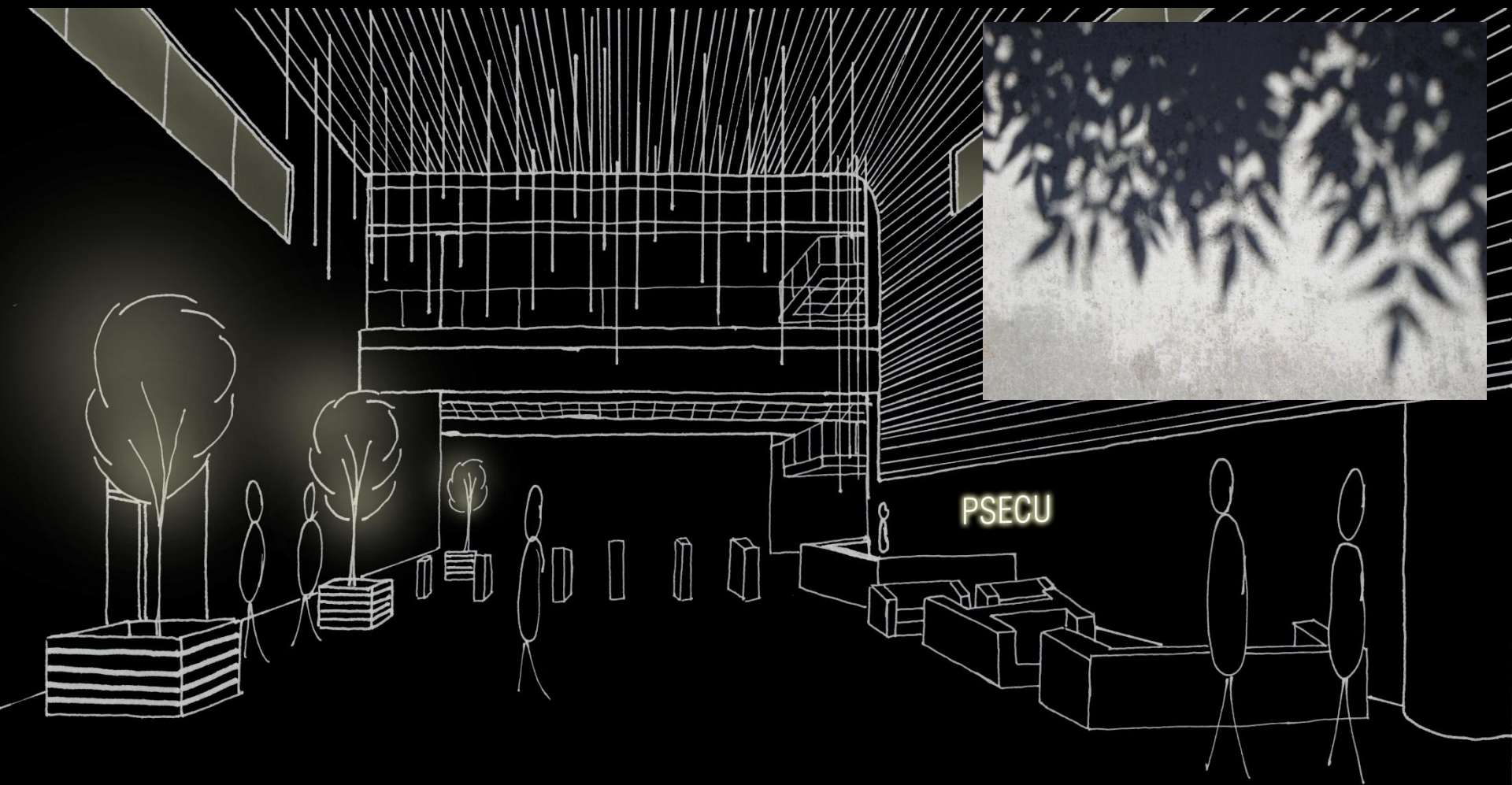


four spaces | lobby | option 3

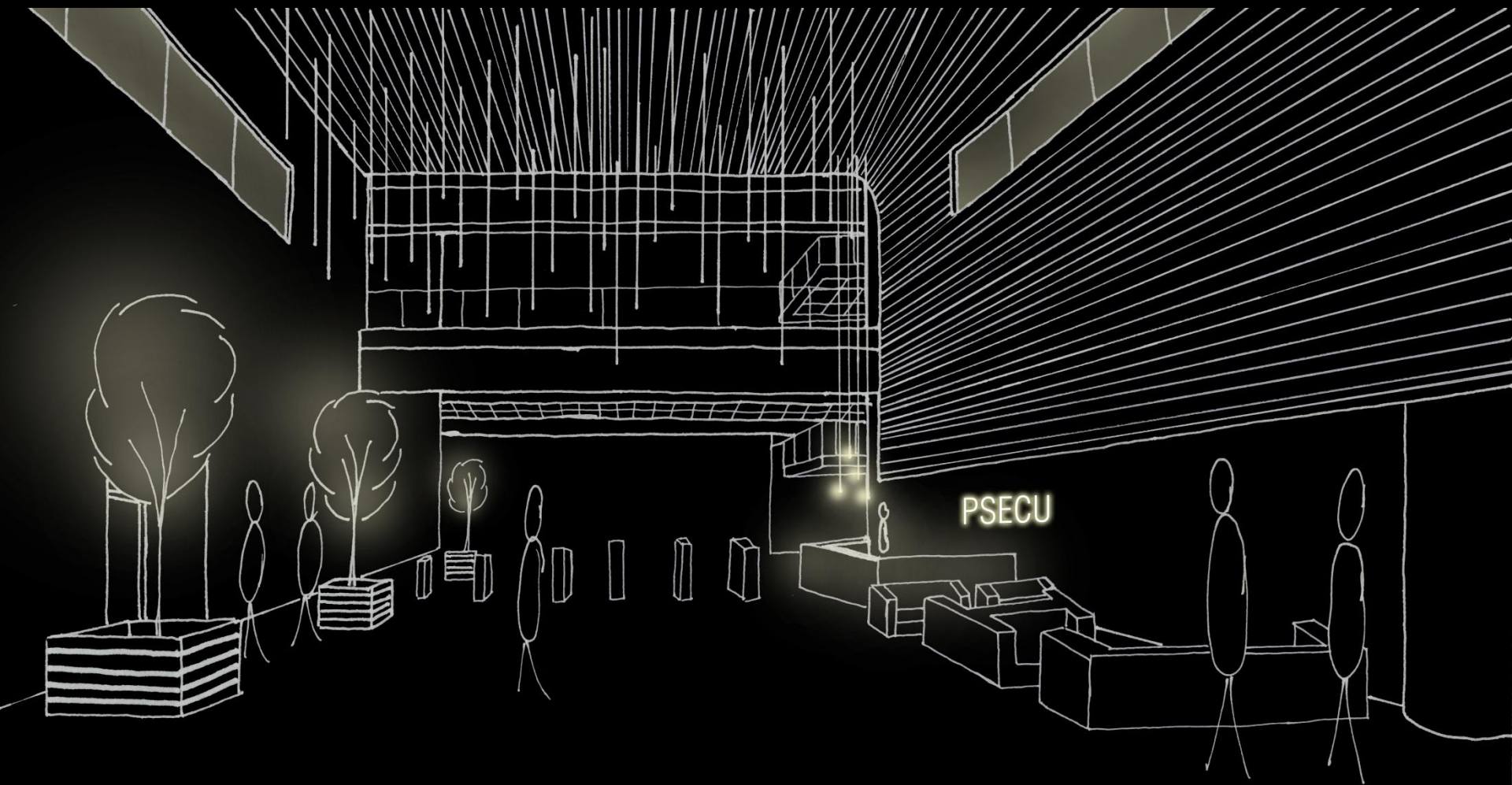


four spaces | lobby | option 3

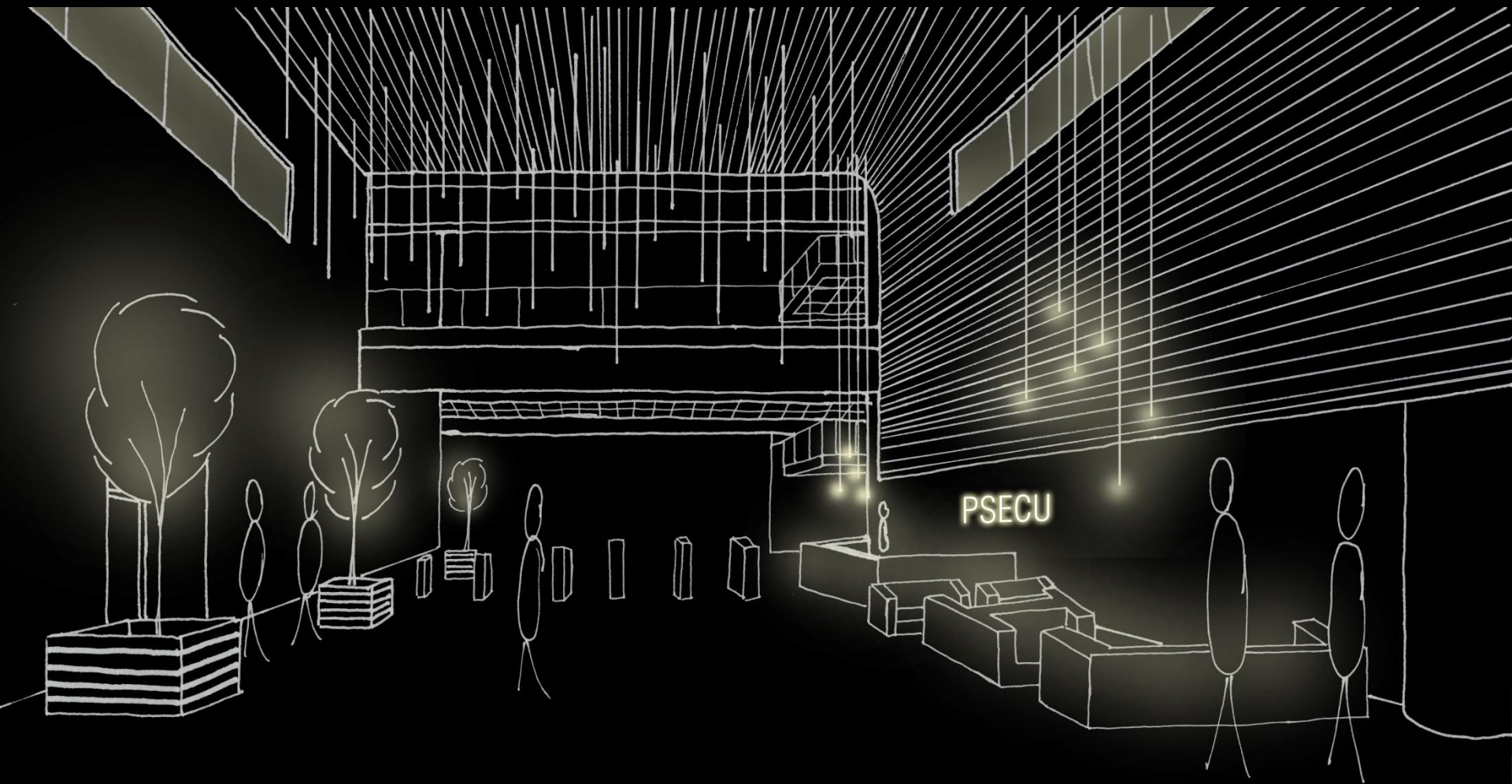




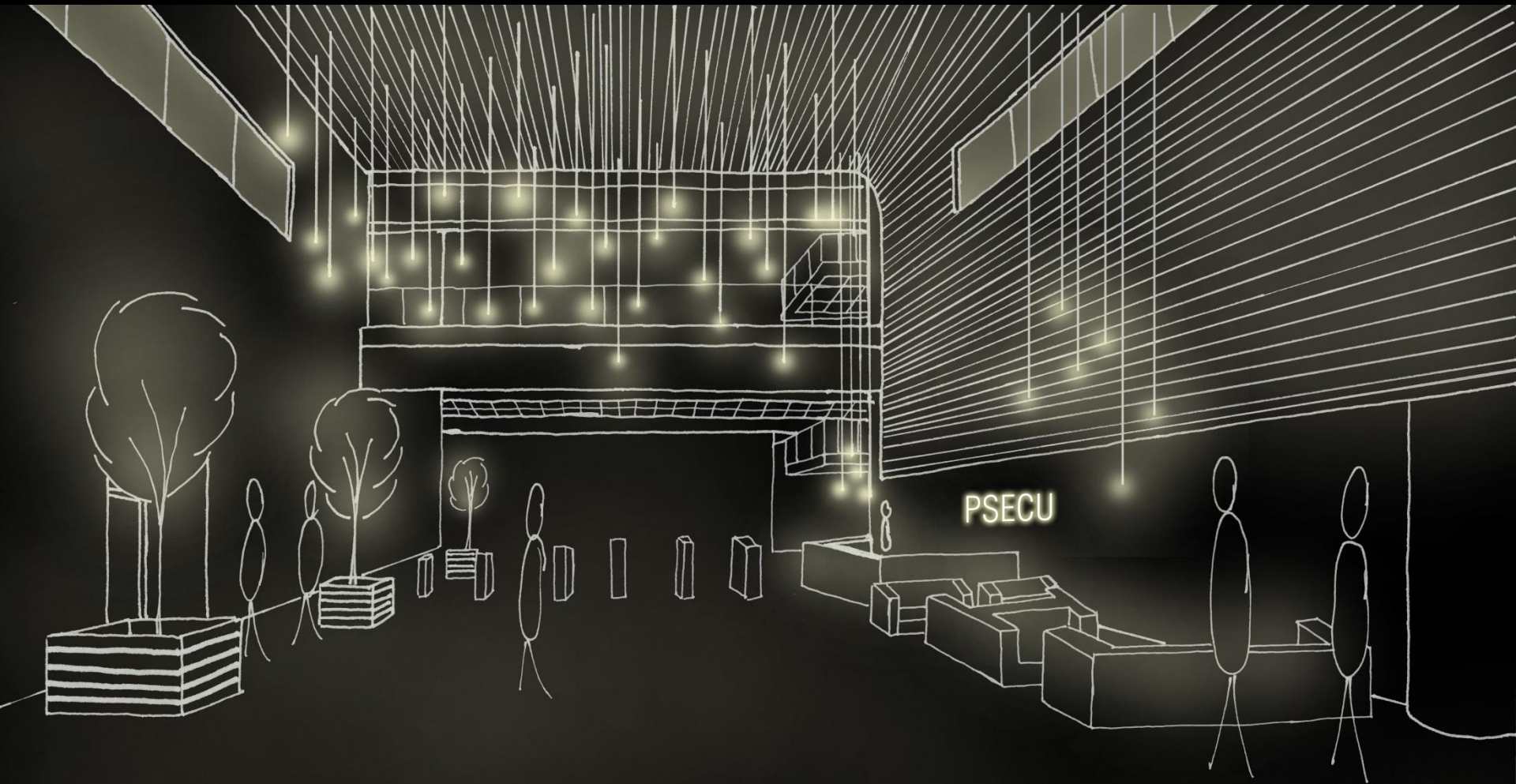
four spaces | lobby | option 3



four spaces | lobby | option 3



four spaces | lobby | option 3



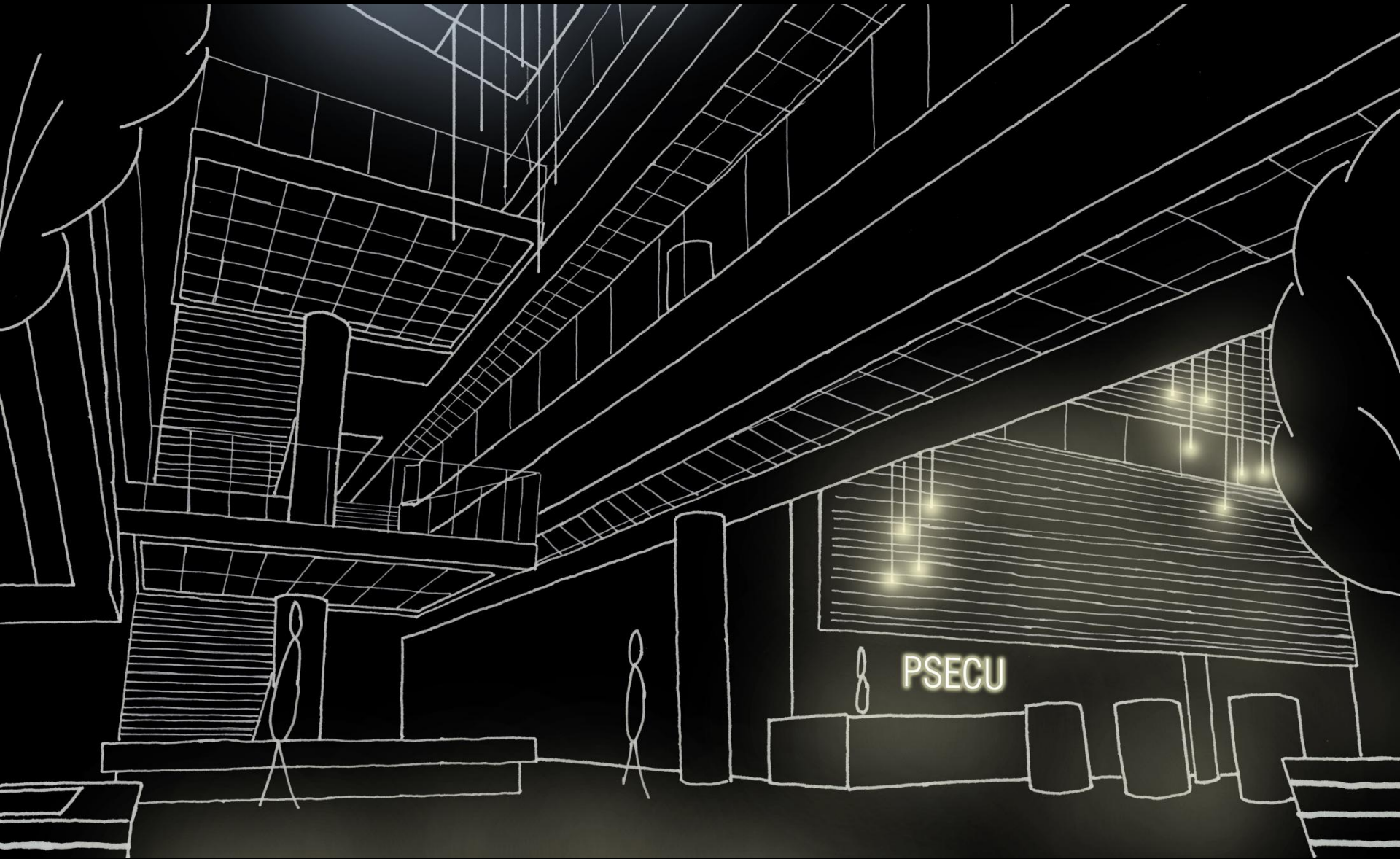
four spaces | lobby | option 3



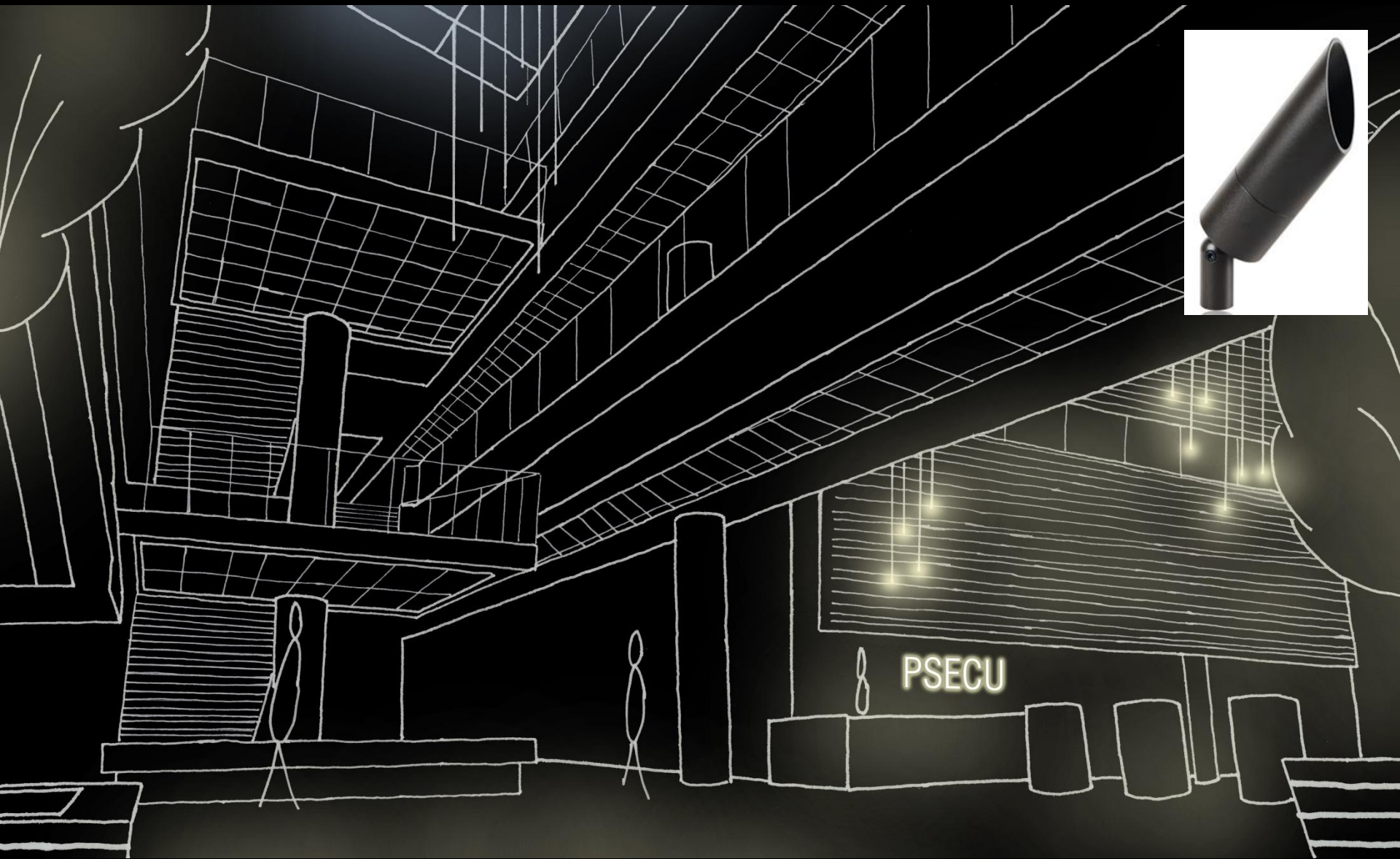
four spaces | lobby | option 3



four spaces | lobby | option 3



four spaces | lobby | option 3

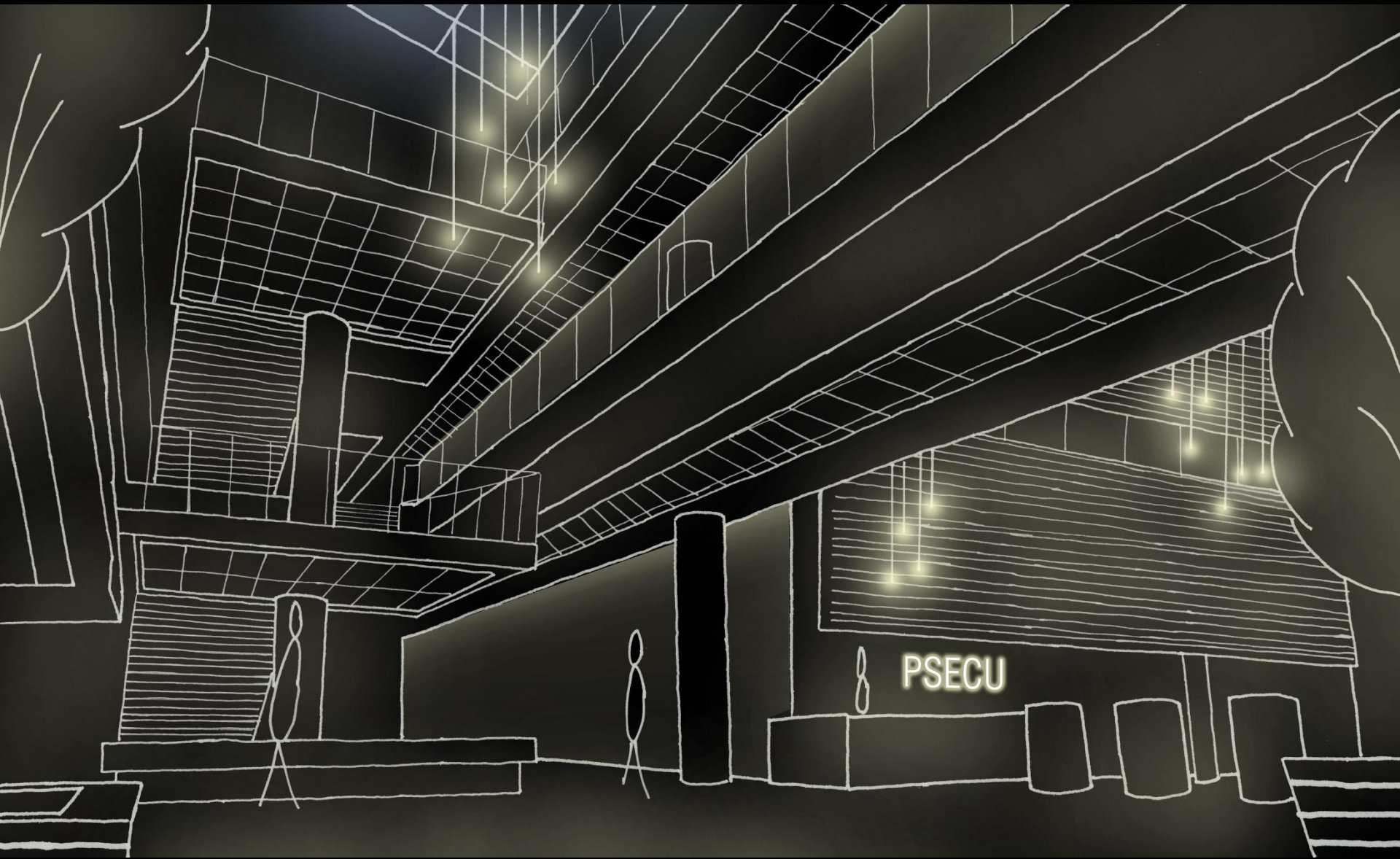


four spaces | lobby | option 3

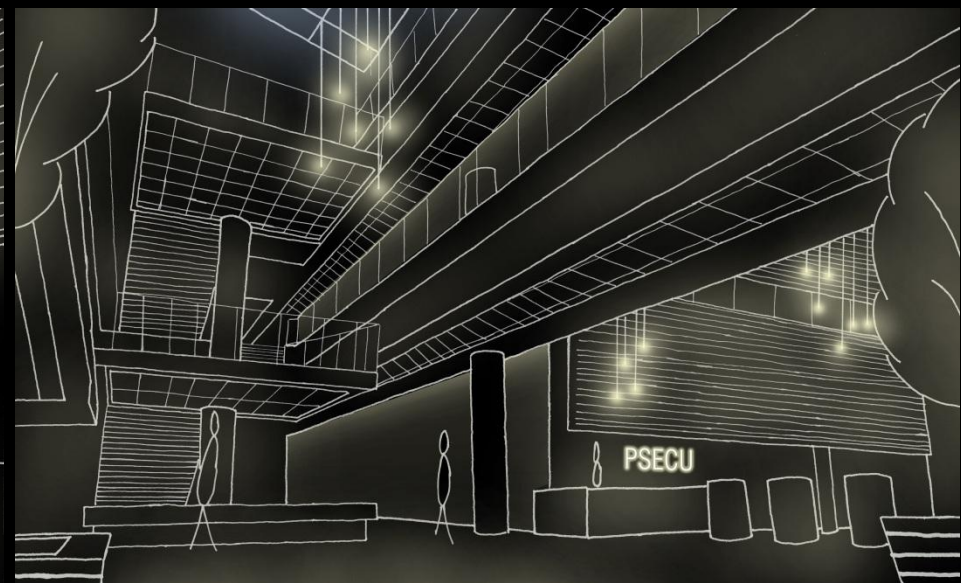




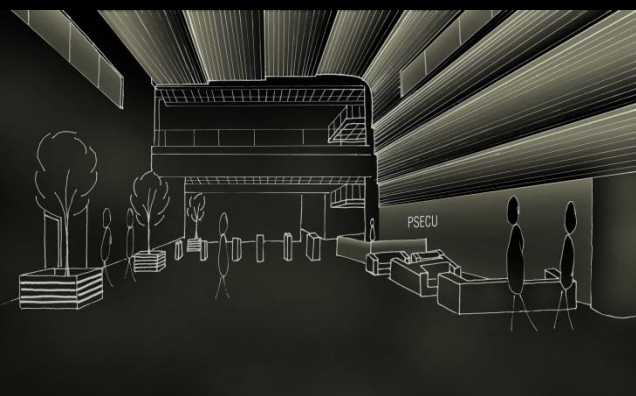
four spaces | lobby | option 3



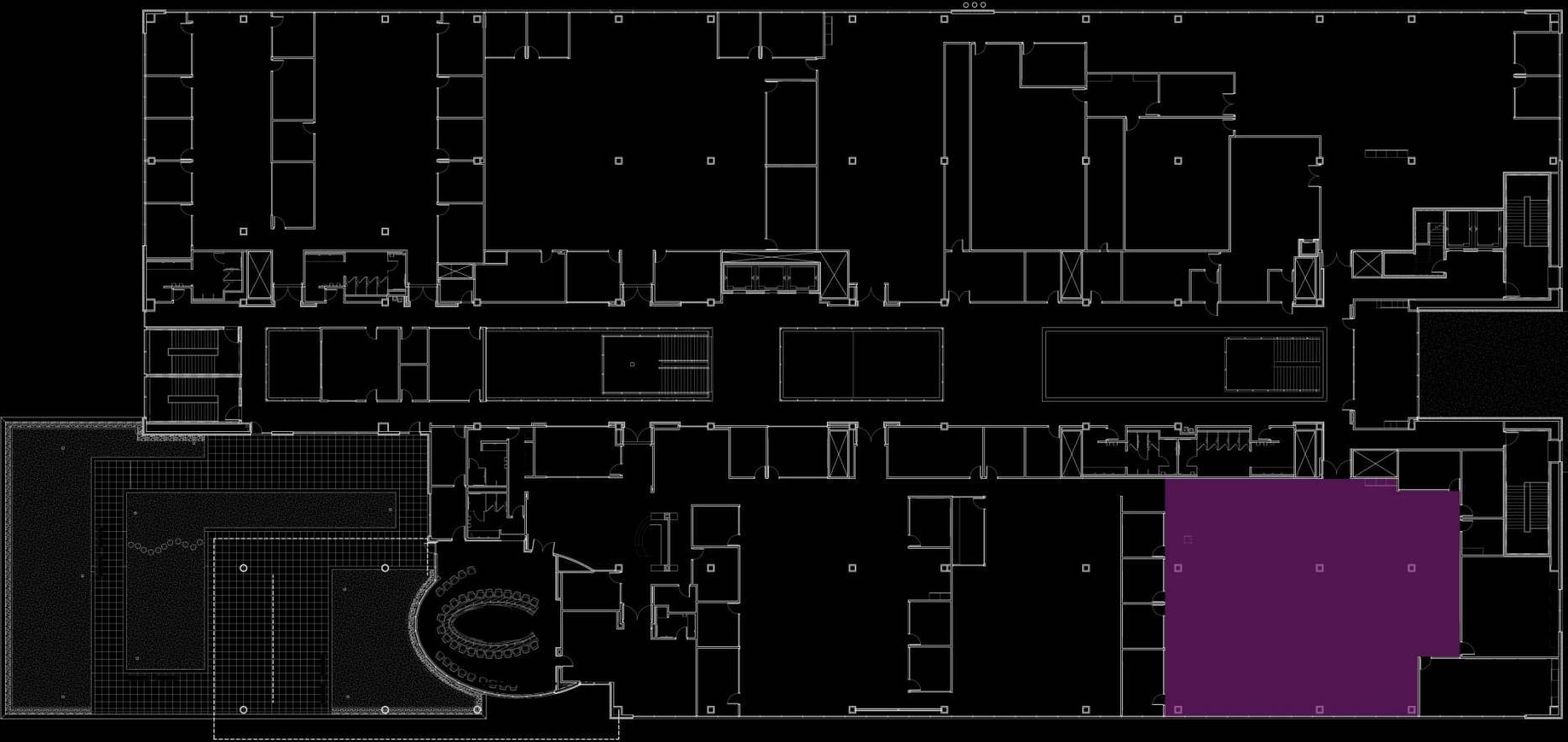
four spaces | lobby | option 3



four spaces | lobby | option 3



# Office Space



four spaces | marketing open office

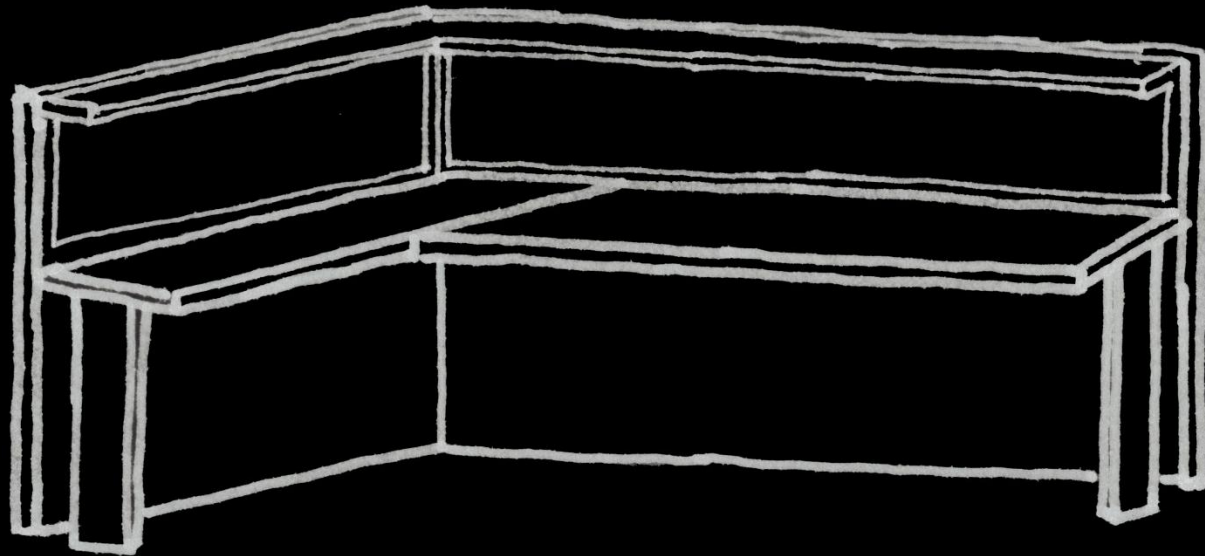


four spaces | marketing open office

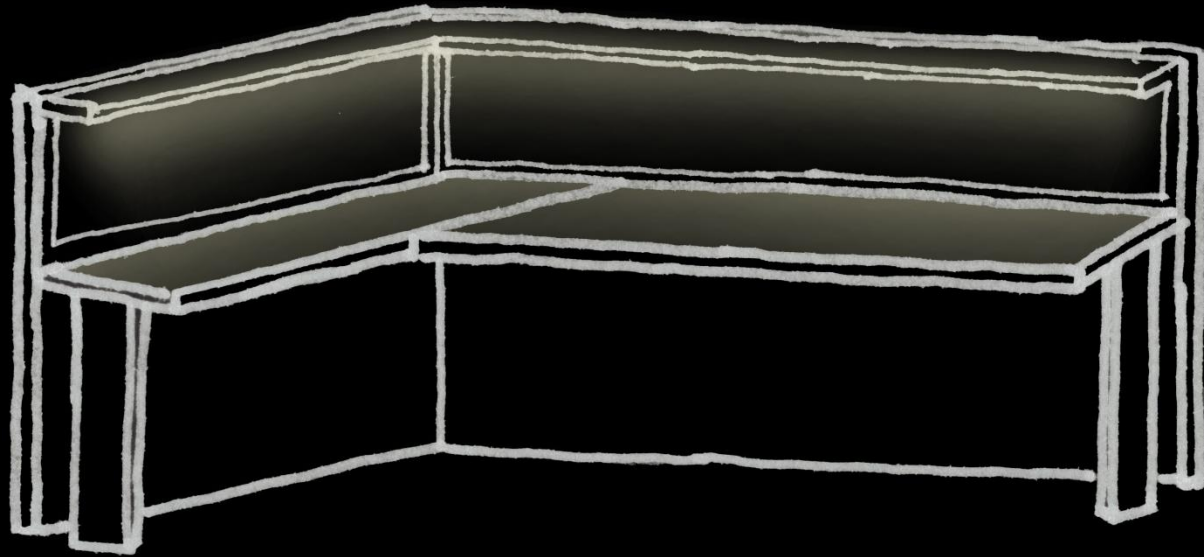
## Design Criteria

- Aesthetics
- Color Appearance
- Daylight Integration
- Direct and Reflected Glare
- Light Distribution
- Modeling of Faces
- Horizontal Illuminance
  - 150 lux
- Vertical Illuminance
  - 50 lux

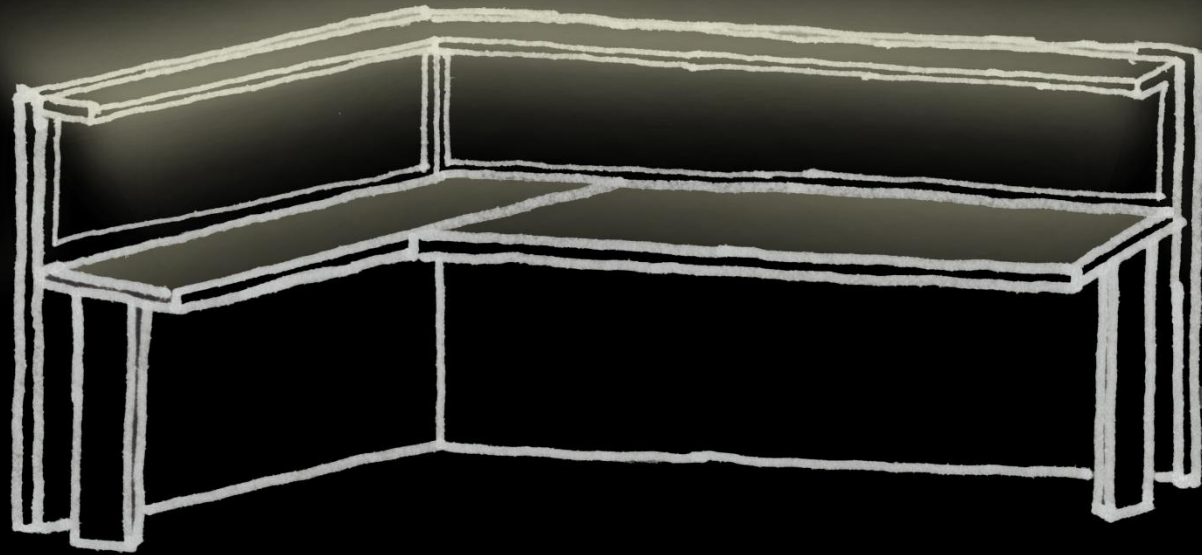




four spaces | marketing open office



four spaces | marketing open office



four spaces | marketing open office



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four spaces | marketing open office



four spaces | marketing open office



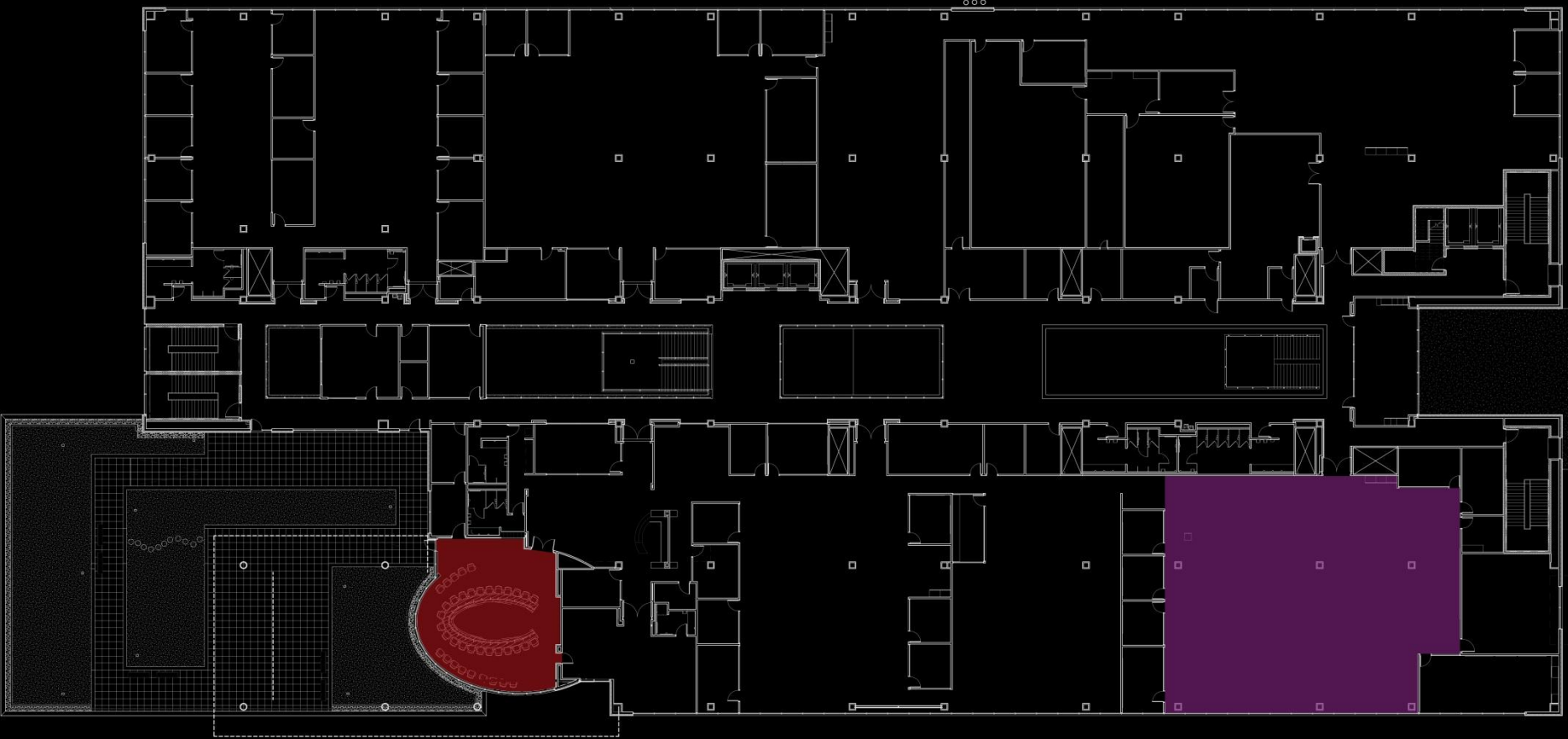
four spaces | marketing open office



four spaces | marketing open office



# Special Purpose Space



four spaces | board room



four spaces | board room

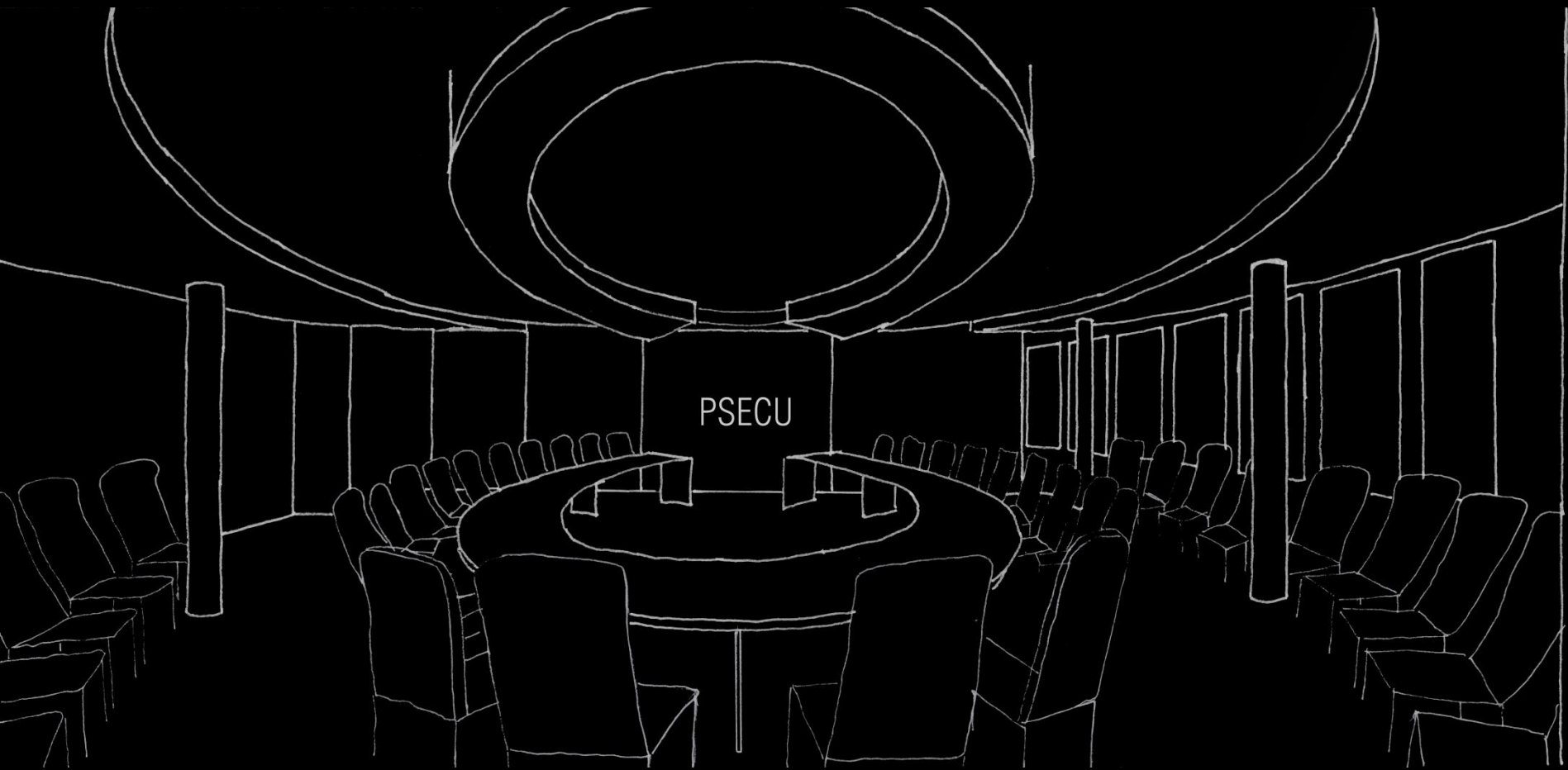
## Design Criteria

- Aesthetics
- Color Appearance
- Daylight Integration
- Direct and Reflected Glare
- Modeling of Faces
- System Flexibility and Controls
- Horizontal Illuminance
  - 300 lux
- Vertical Illuminance
  - 150 lux

# Flynn Impression

- Spacious vs. Closure







four spaces | board room









four spaces | board room

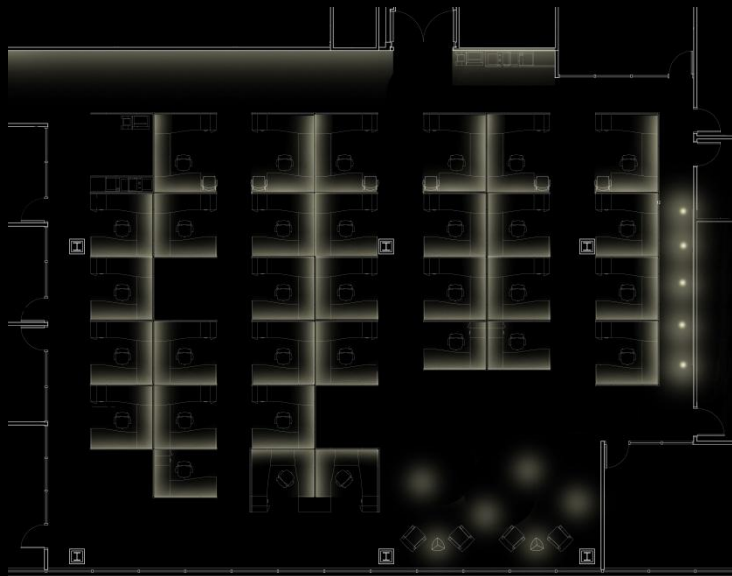
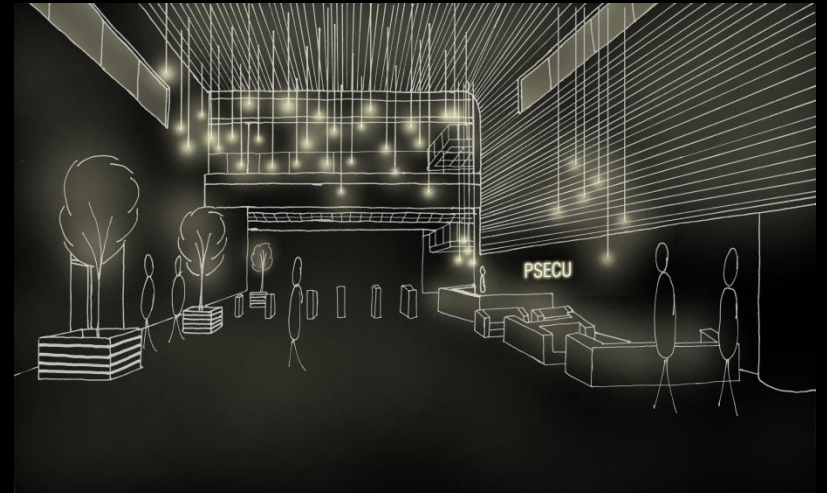
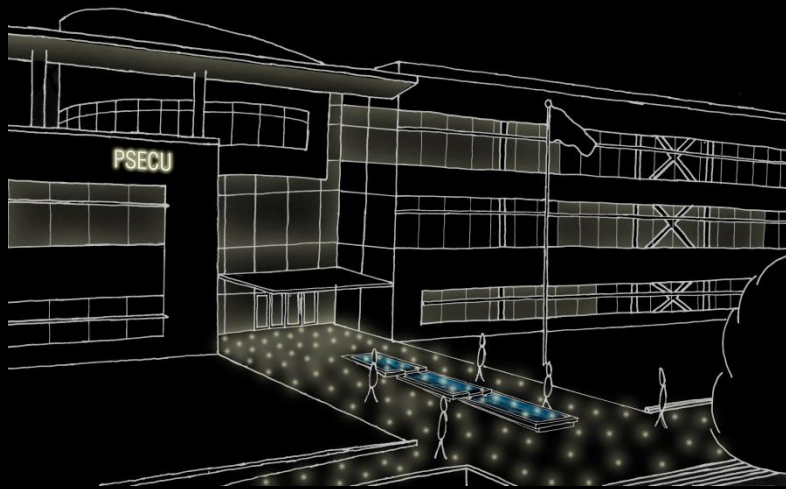




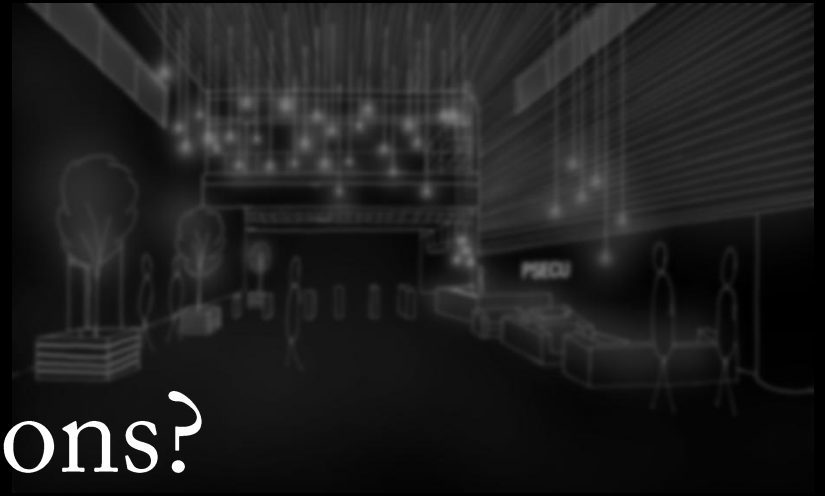
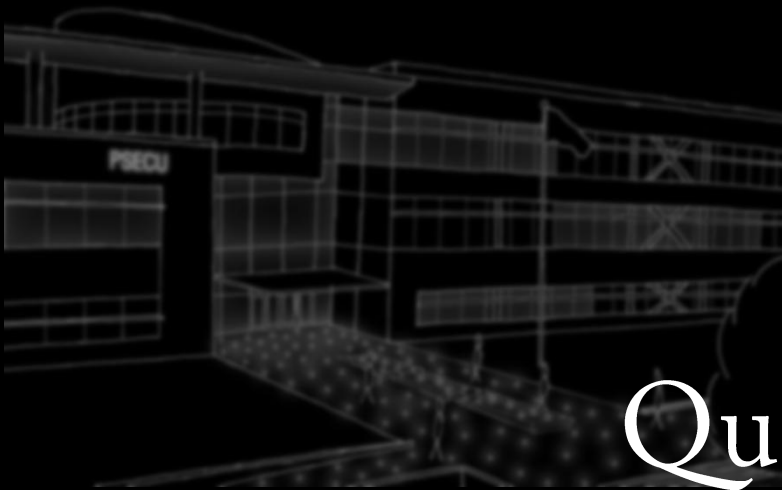




conclusion



conclusion



Questions?



conclusion