



Lighting / Electrical Tech 3

# THE WINSOR SCHOOL

Center for Performing Arts + Wellness

Maggie Golden  
11.14.14



# THE WINSOR SCHOOL

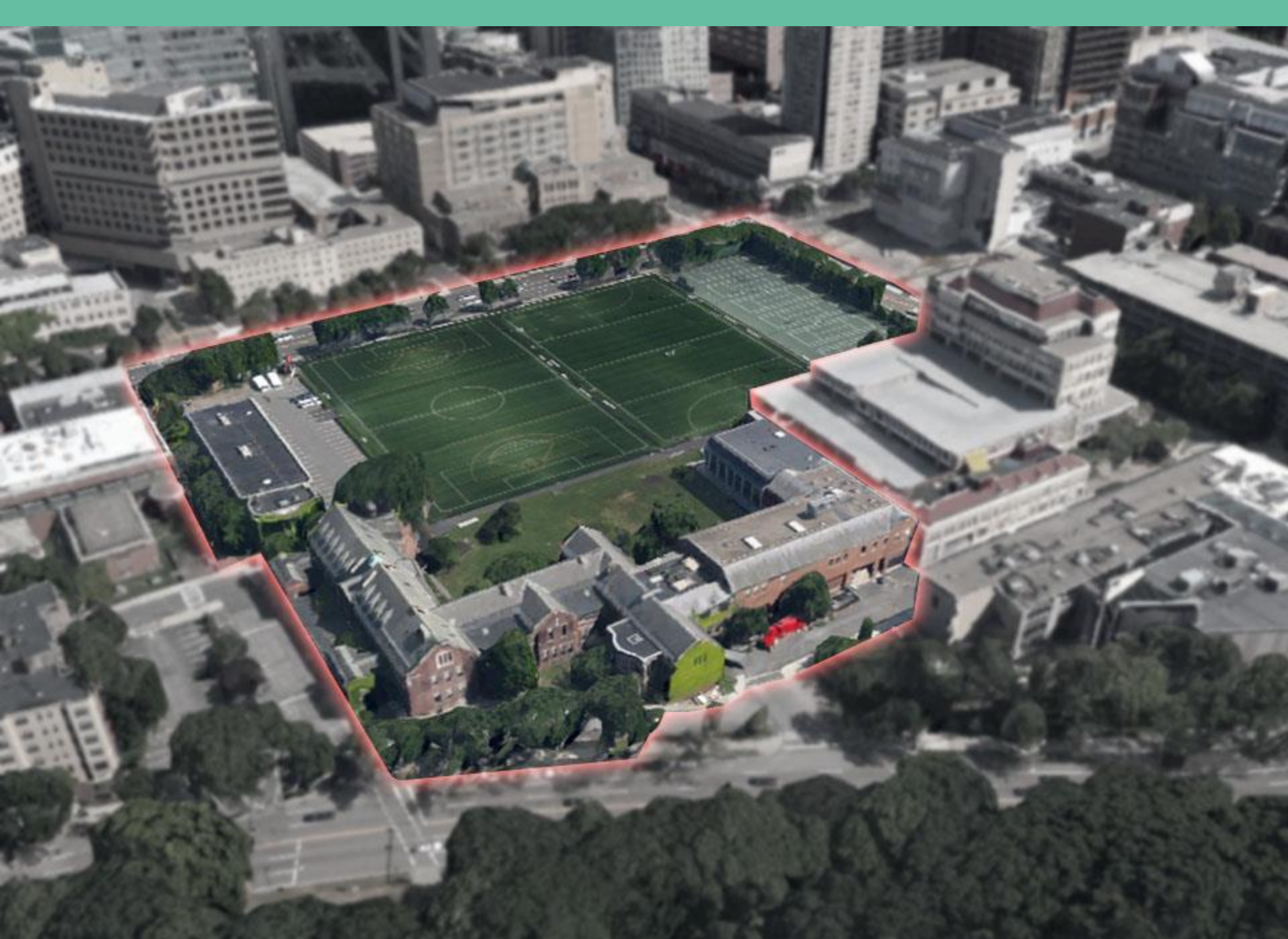
- Founded in 1886 as a Women's Prep School
- Grades 5-12 and Tuition of \$40,550 per year
- Ranked 10<sup>th</sup> best prep school in country
- 7 acre campus founded in 1910 near Brookline
- 430 Students, 1/2 end up attending Ivy League















# Lubin-O'Donnell Center

- Center for Performing Arts and Wellness
- \$71 Million Dollar Estimated Cost
- Dance Spaces, Black Box and 3-Story Theatres
- Gymnasium, Workout Rooms and Squash Courts
- Set to be completed in September 2015







Limestone, Tan Brick  
Fritted / Clear Glazing  
Green Trellis Wall  
Wood Panels / Slats  
Perforated Tan Metal  
Refined / Modern Lighting

Red Brick  
Single Hung Windows  
Wood Flooring  
Painted White Wood  
Stone Units  
Large / Heavy Lighting





Performing Arts Theatre



Wellness Lobby + Corridor



Arts + Wellness Entrance



Dance Rehearsal Room



Performing Arts Theatre



Wellness Lobby + Corridor



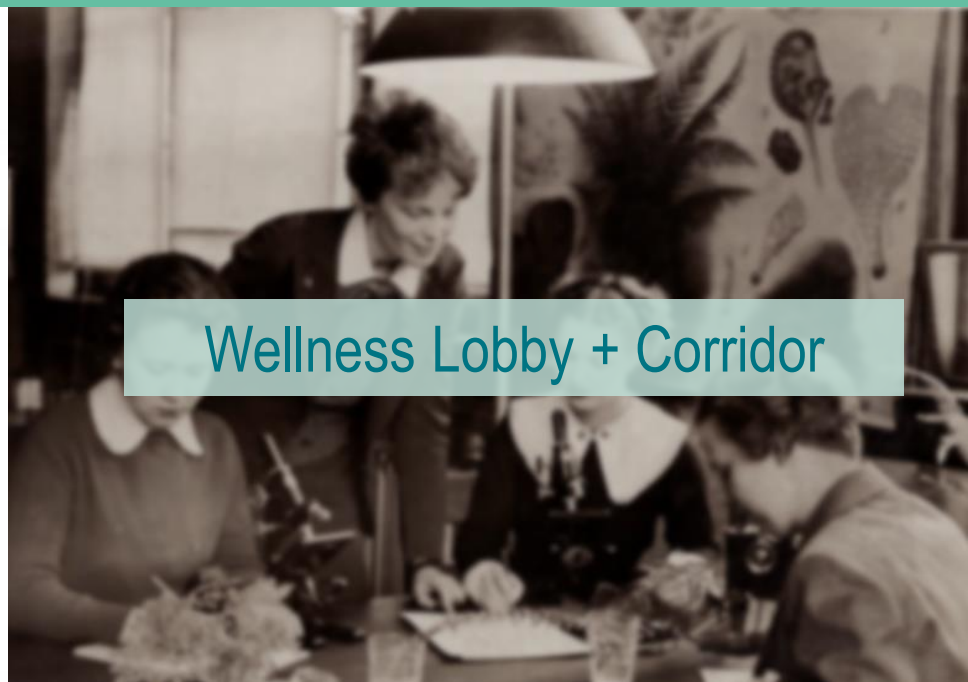
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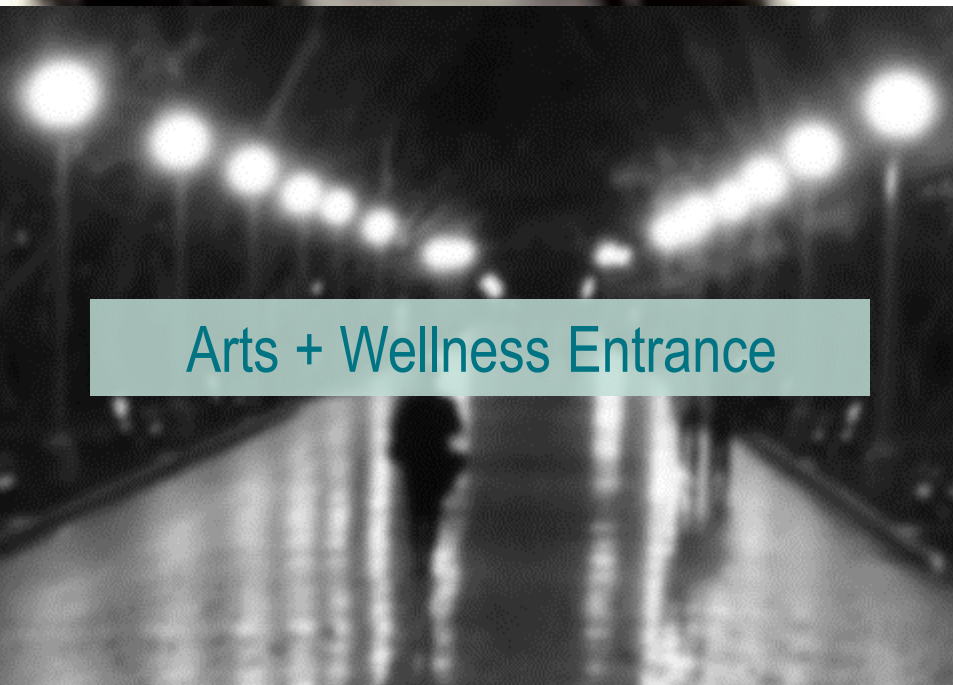
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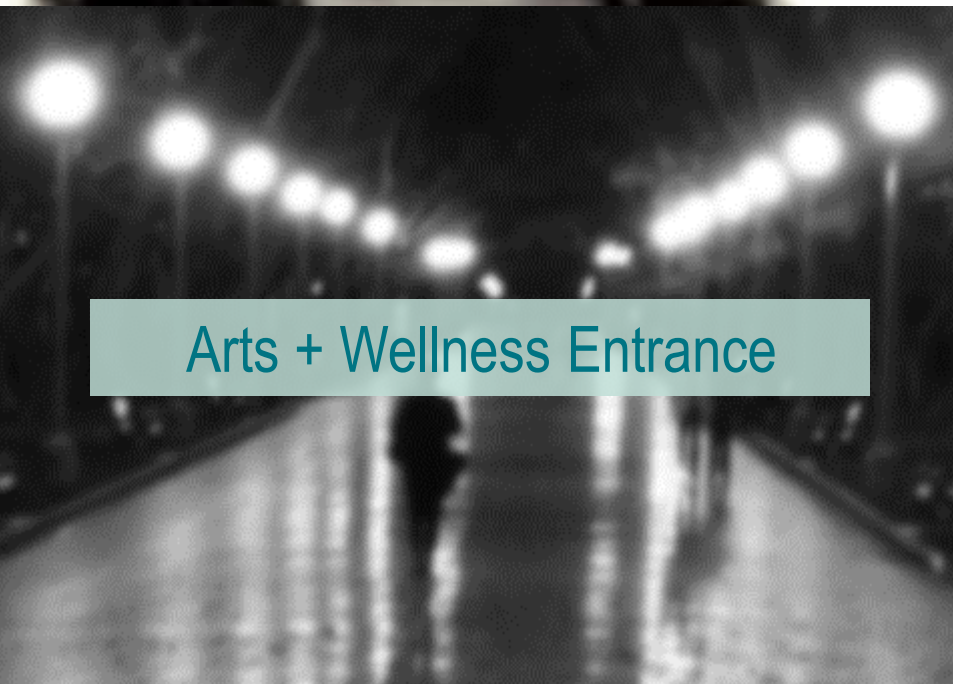




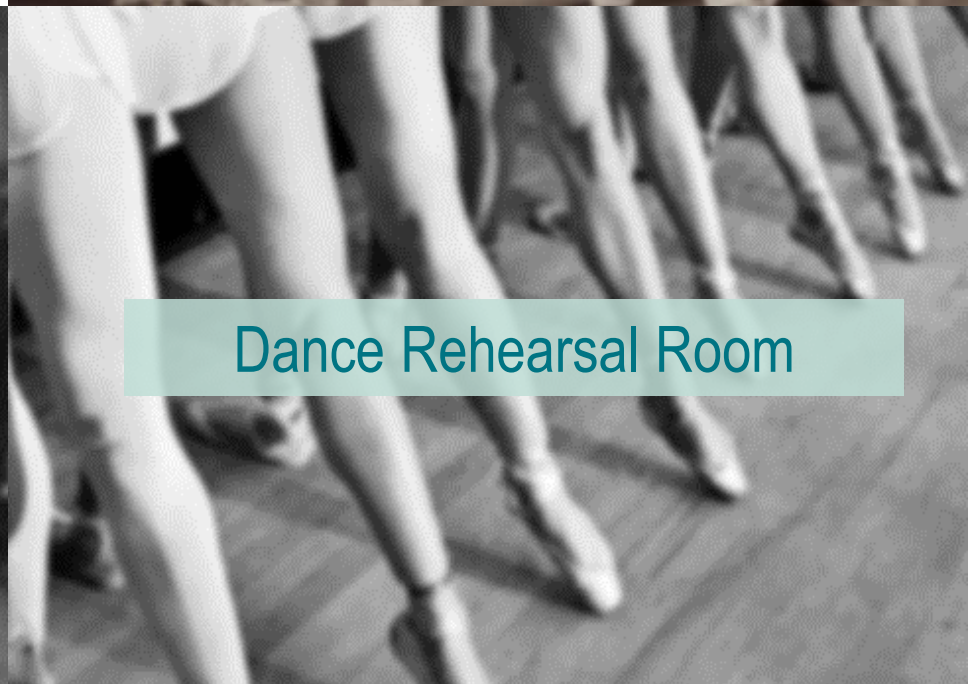
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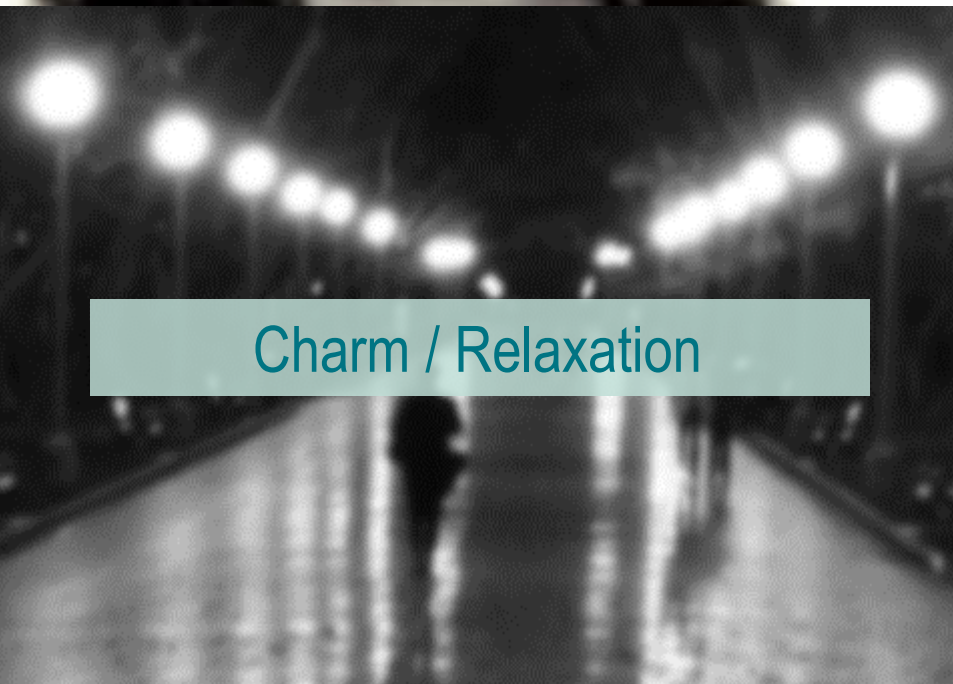
Dance Rehearsal Room



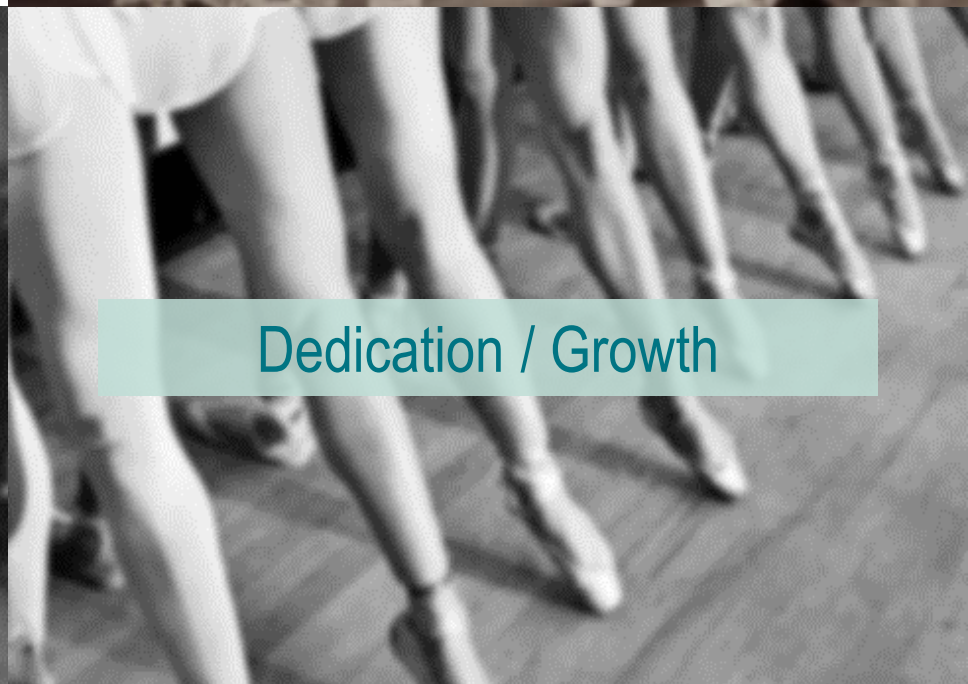
Expression / Drama



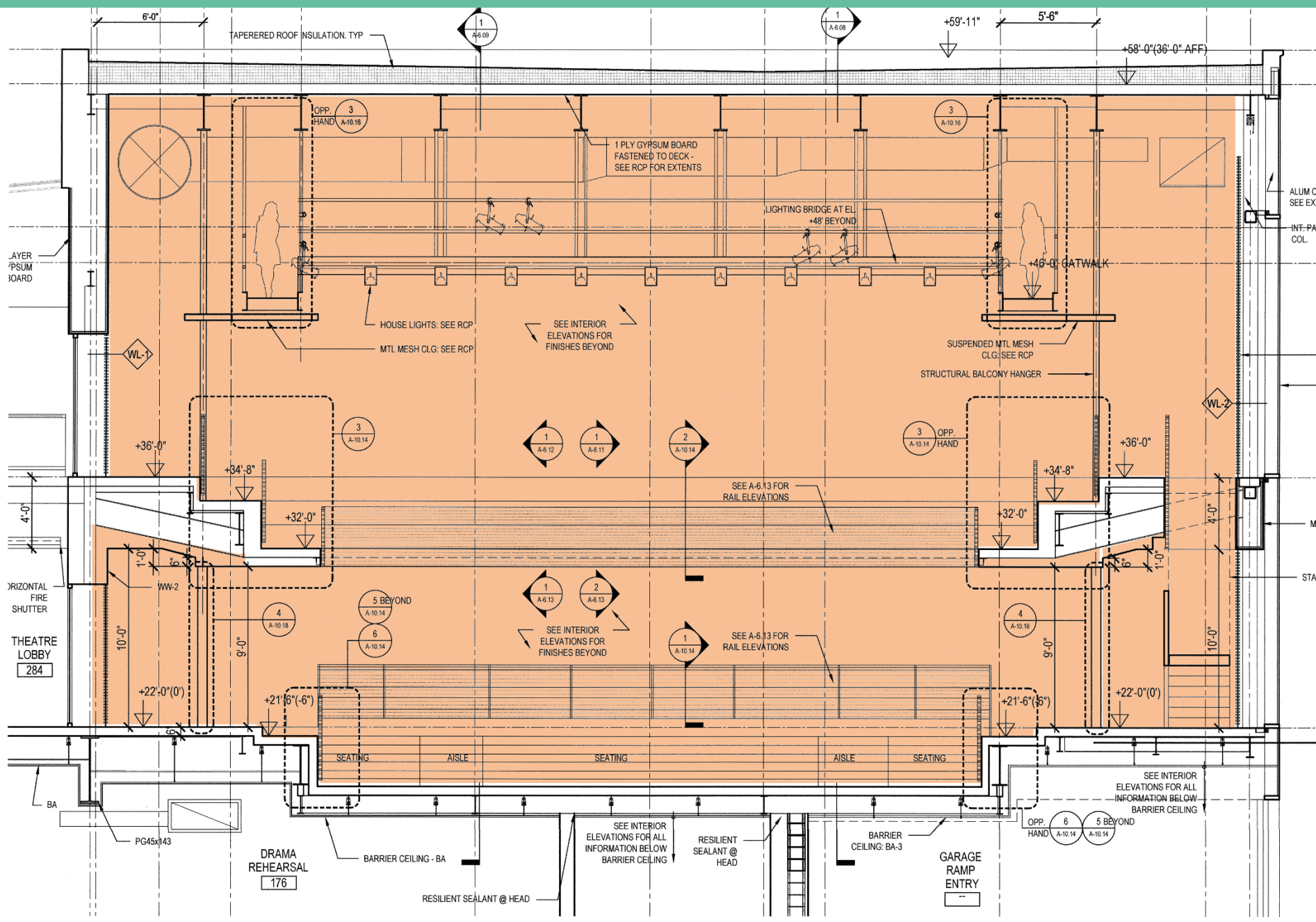
Collaboration / Study

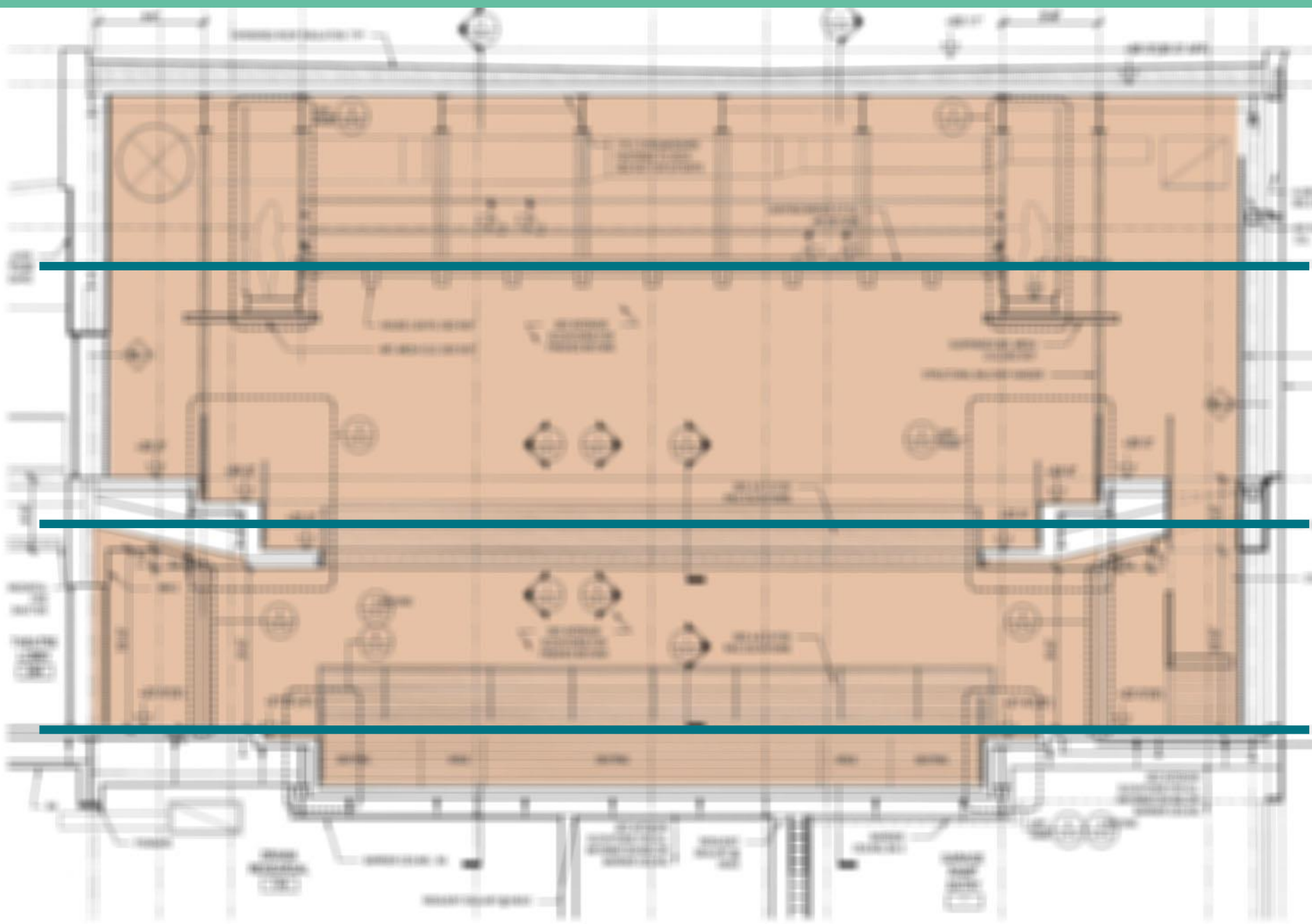


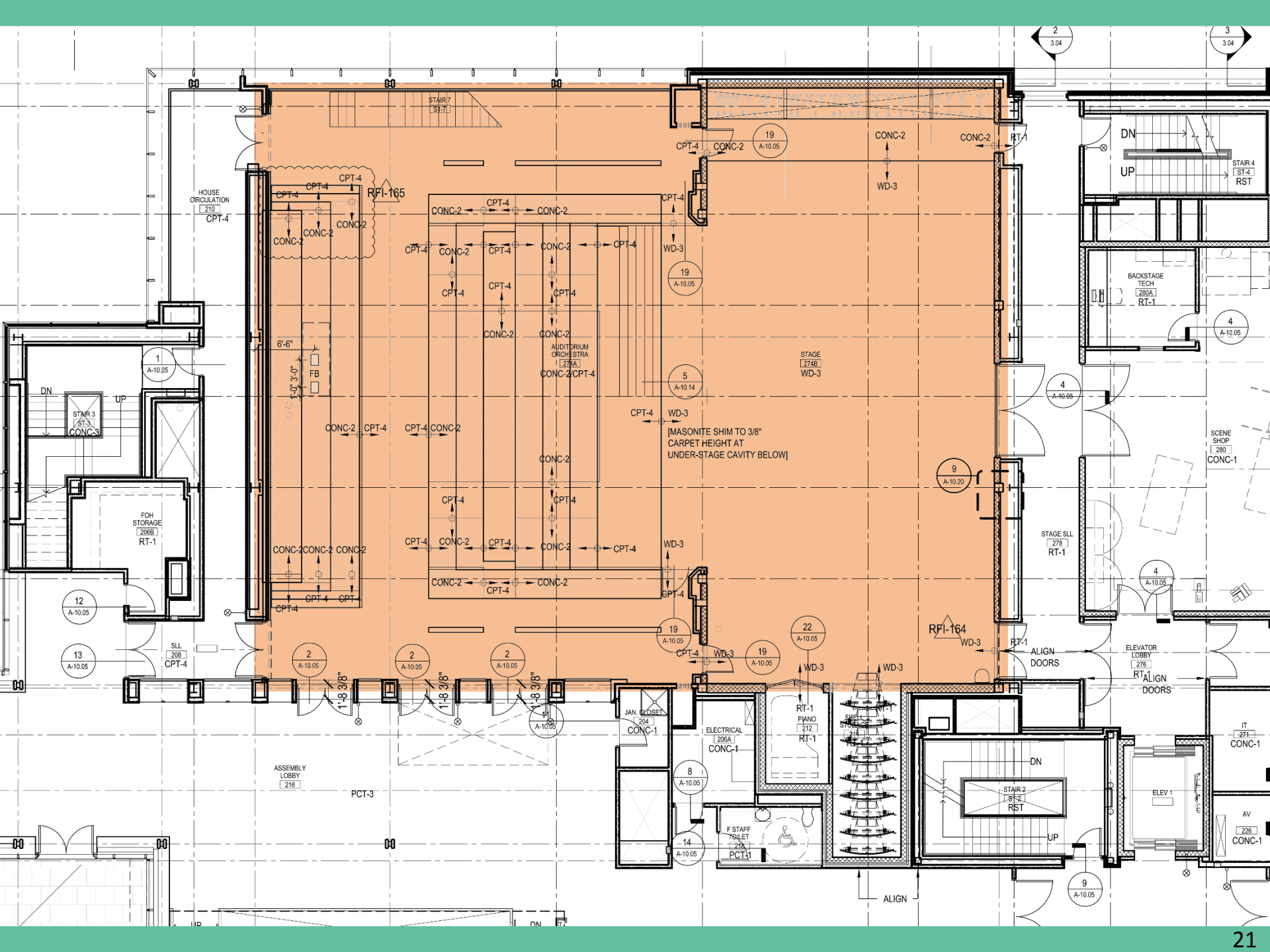
Charm / Relaxation



Dedication / Growth







# Performing Arts Theatre

Lighting Power Density – 2.43 W/sf  
Illuminance Requirements – 2 lux (During Shows)  
75 lux (House Lighting)  
400 lux (Testing)

- Visual Interest
- Association with Architecture
- Flexibility

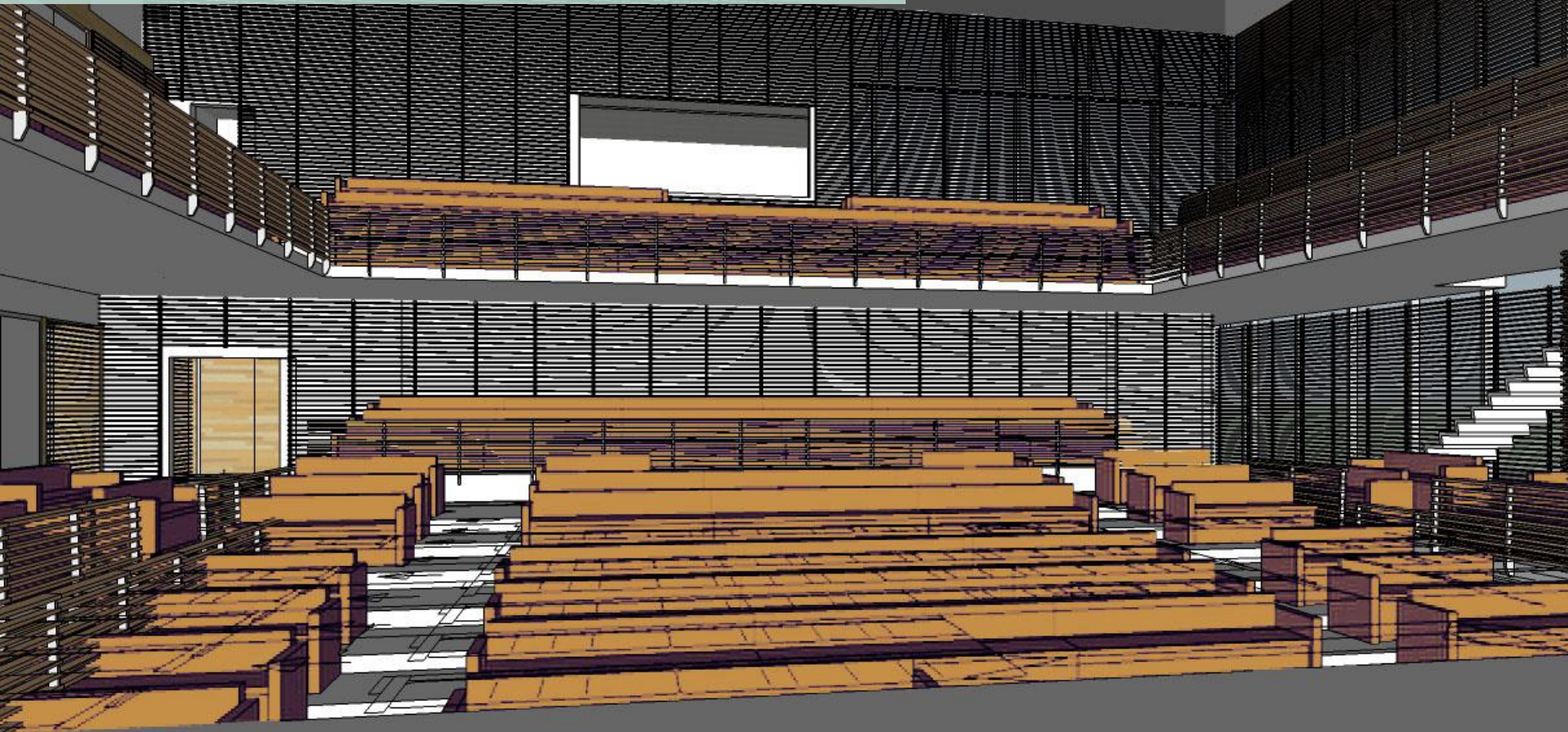
# Performing Arts Theatre

## Option One

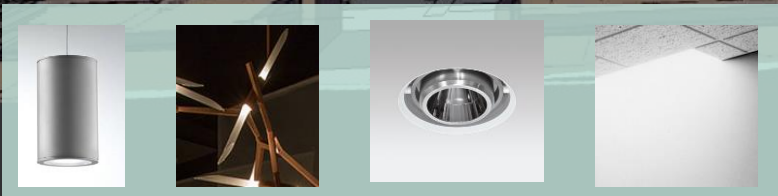
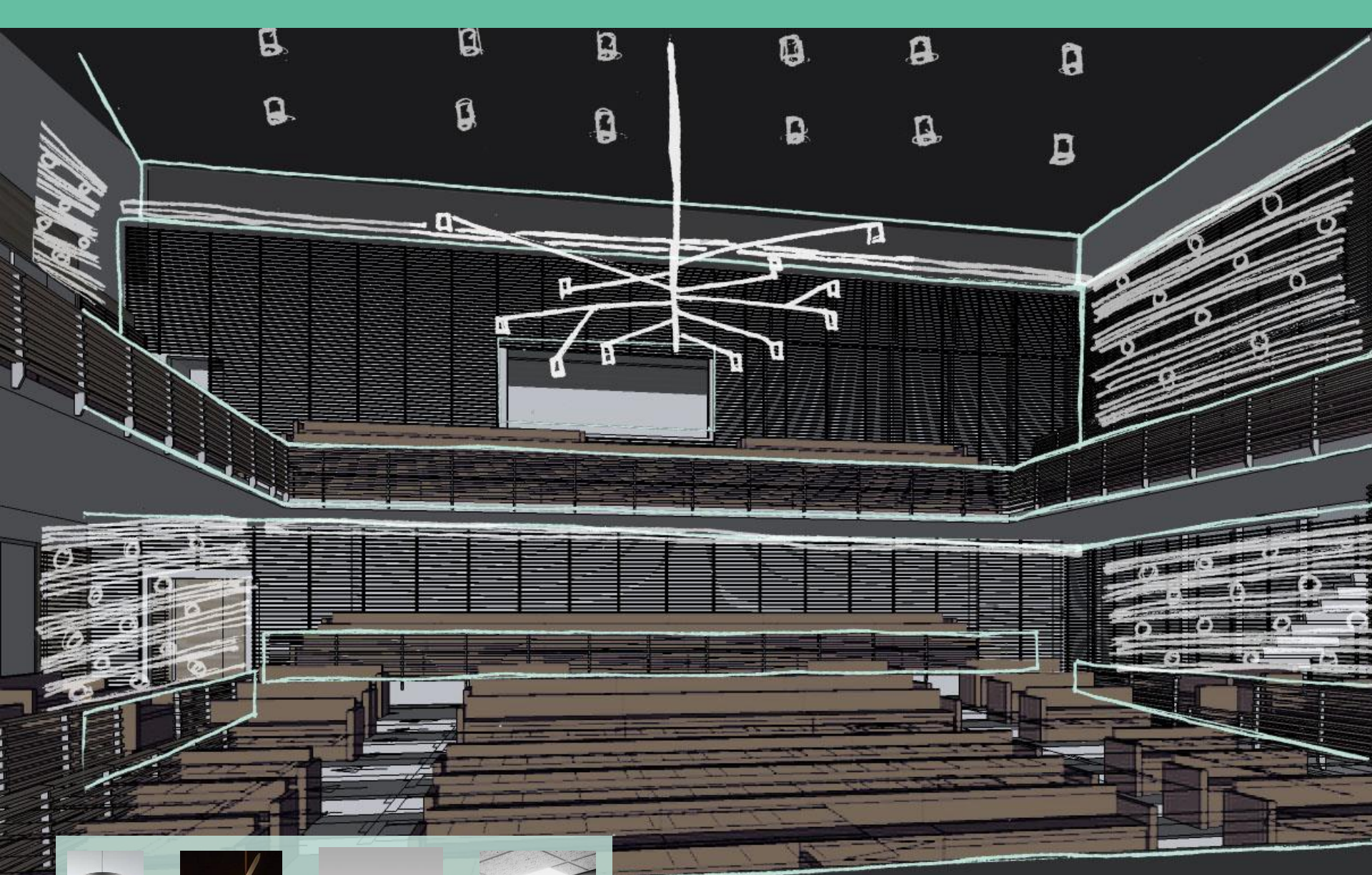


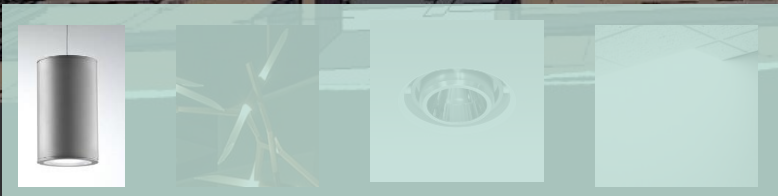
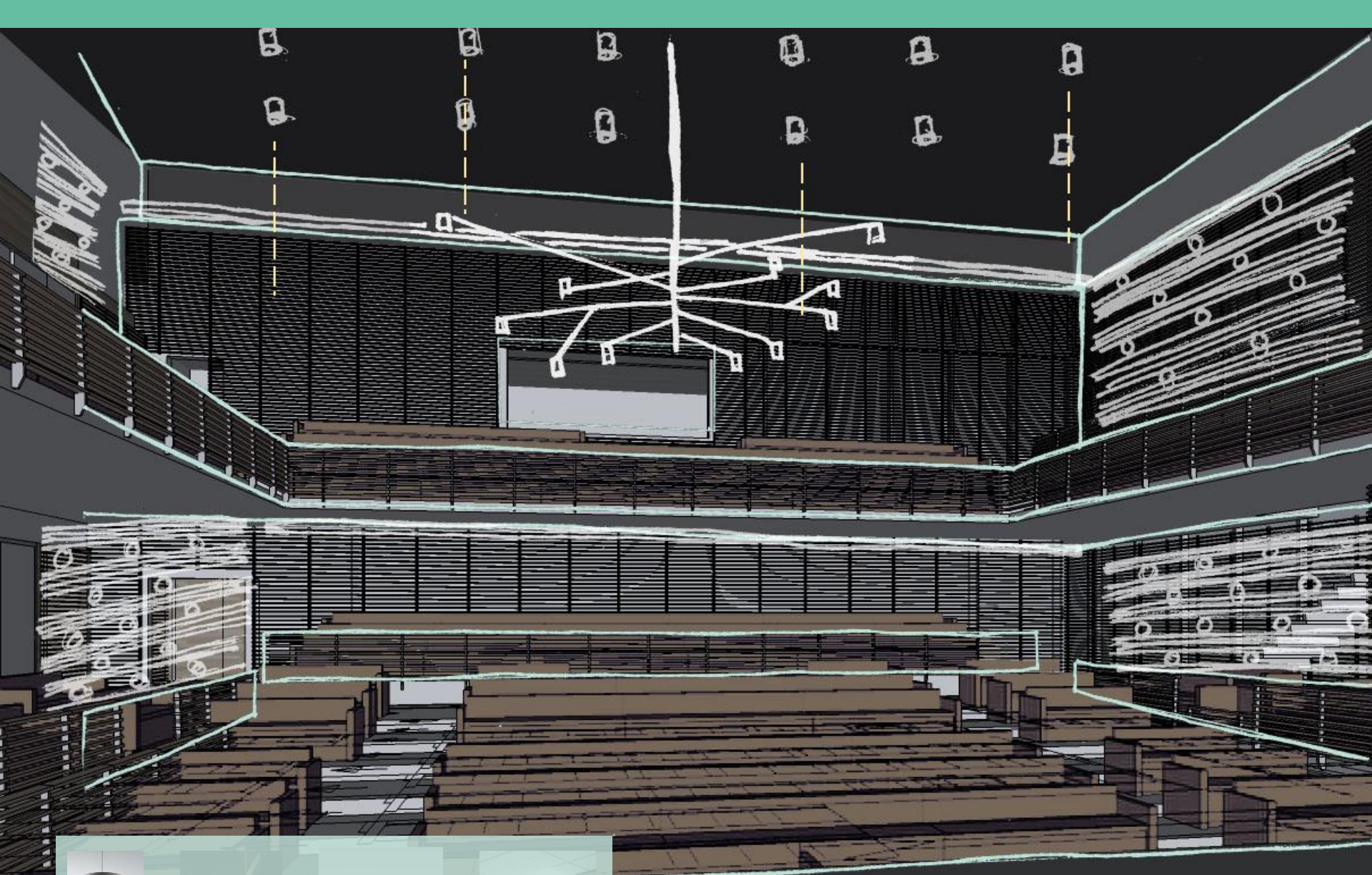
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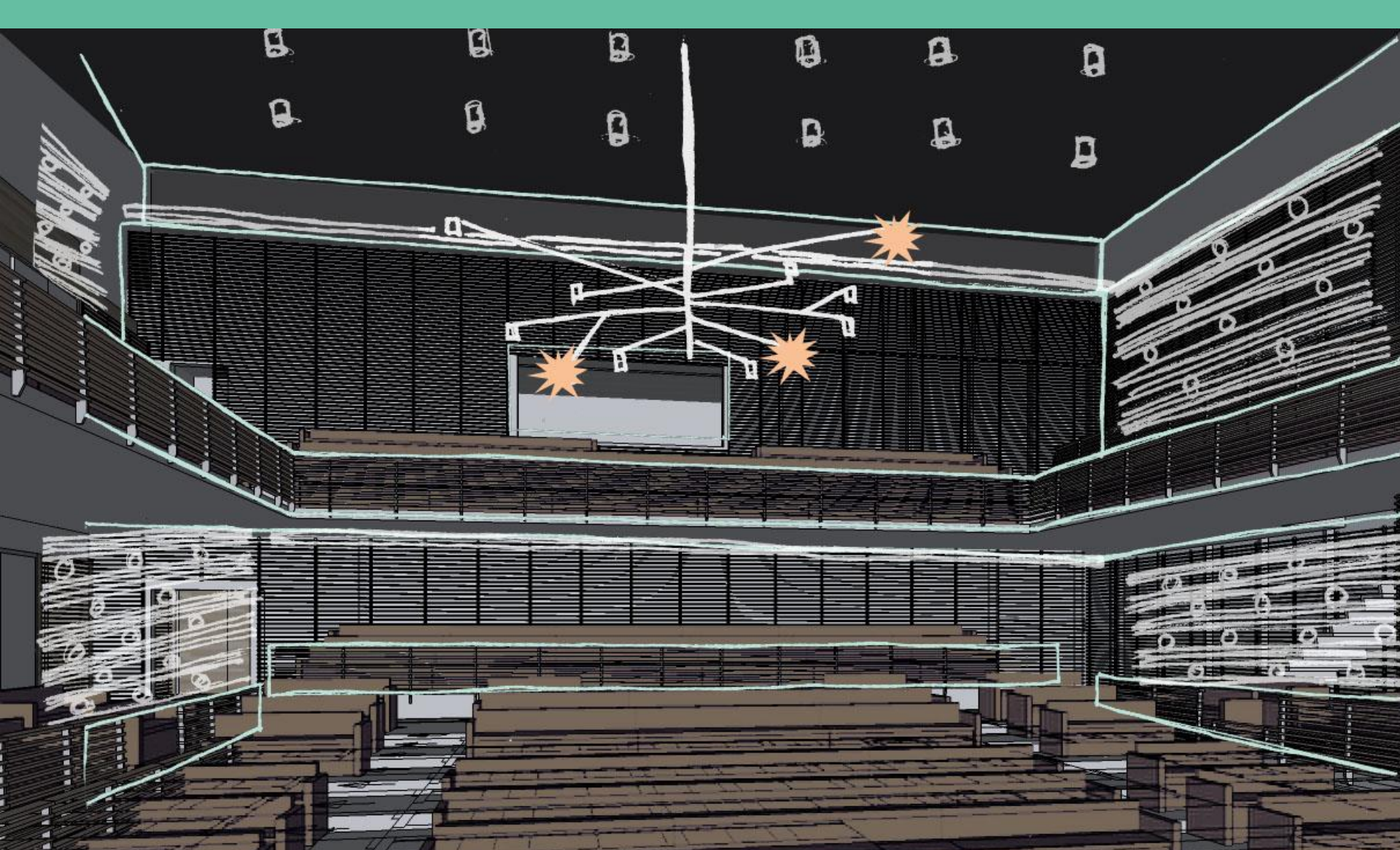
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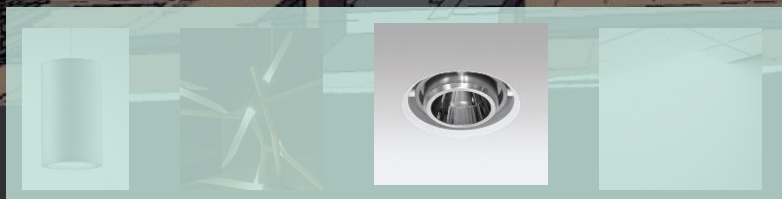
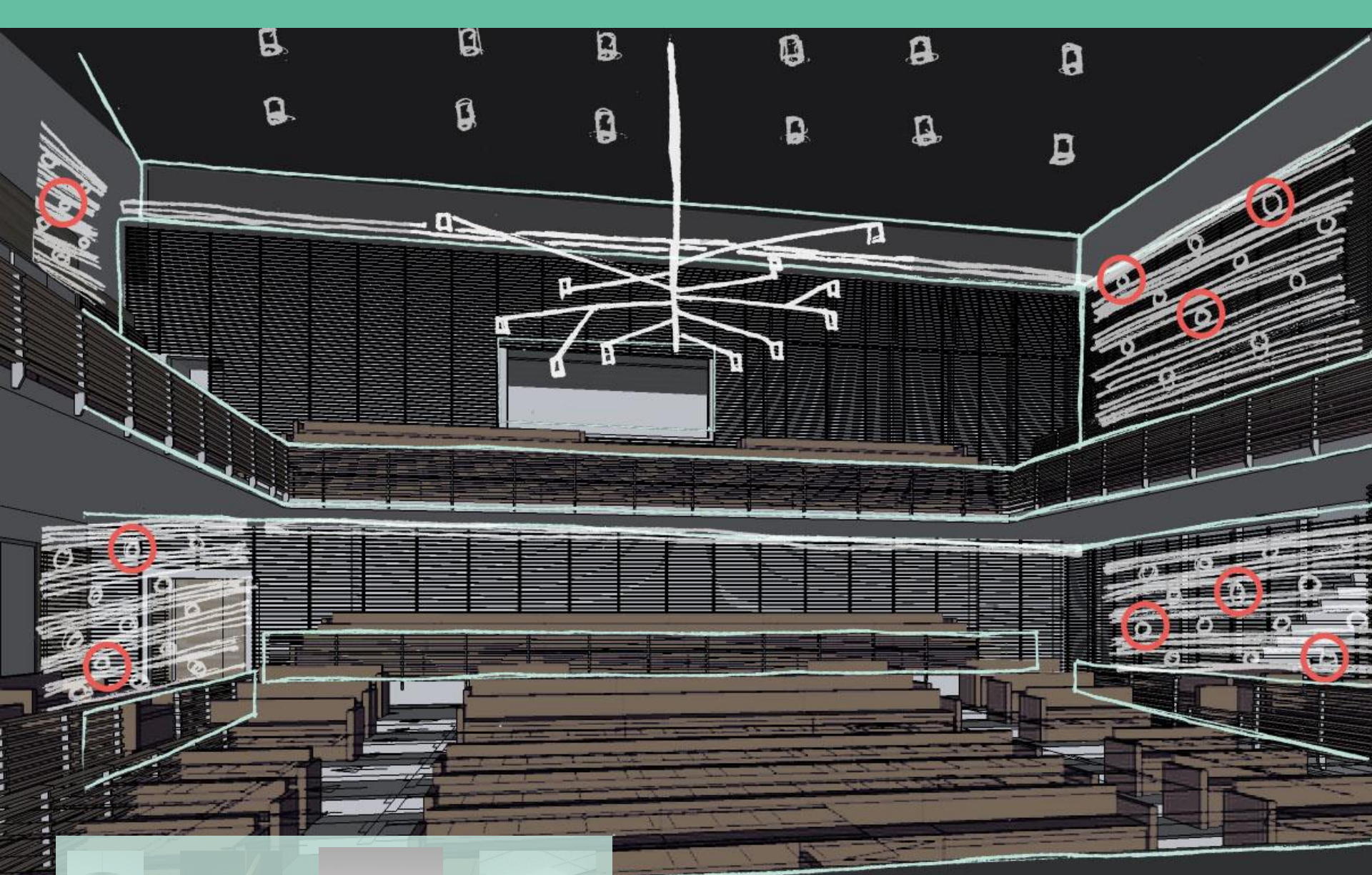


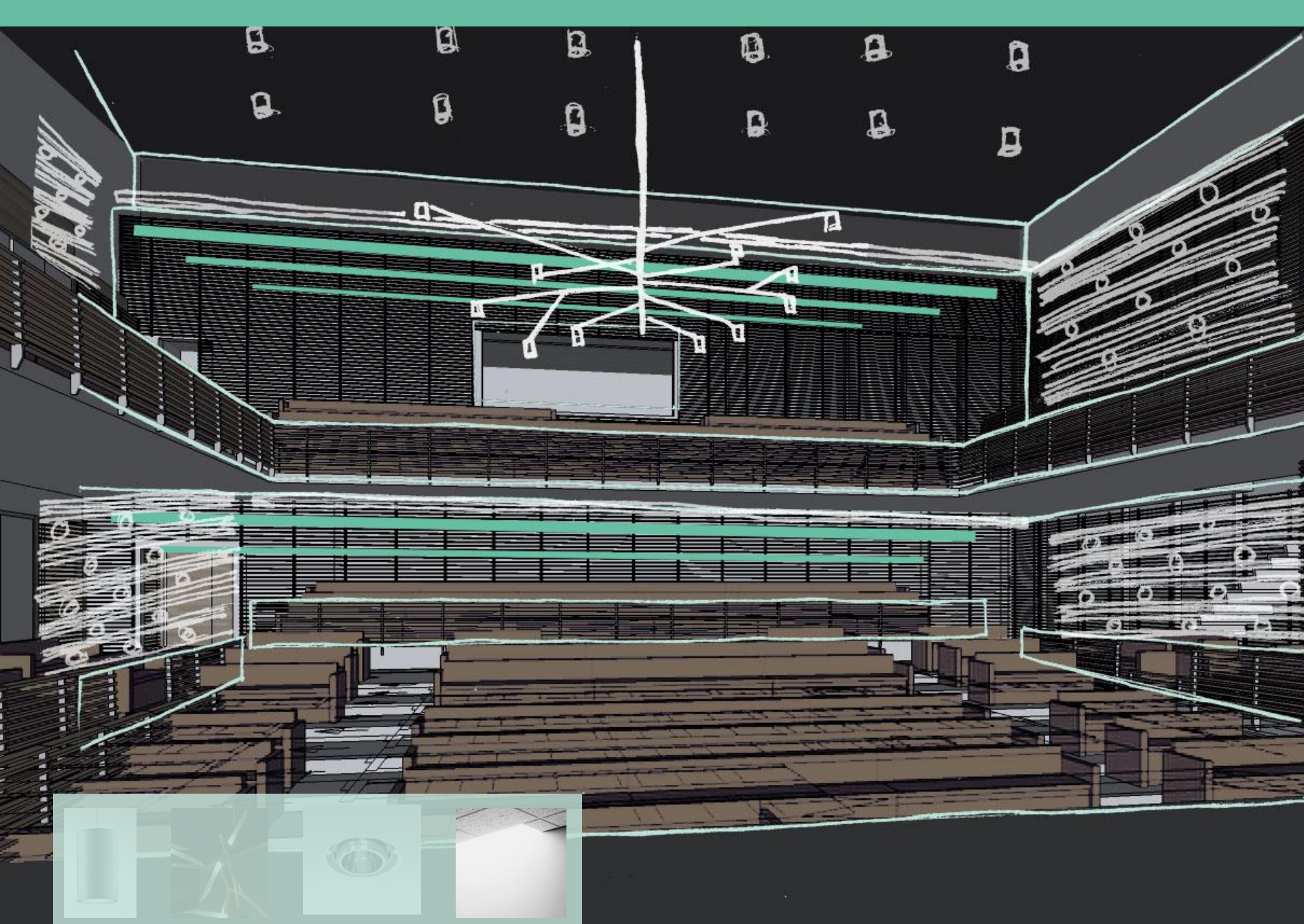


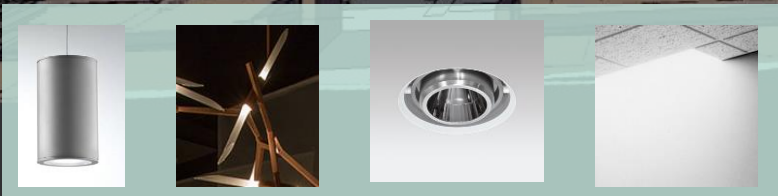
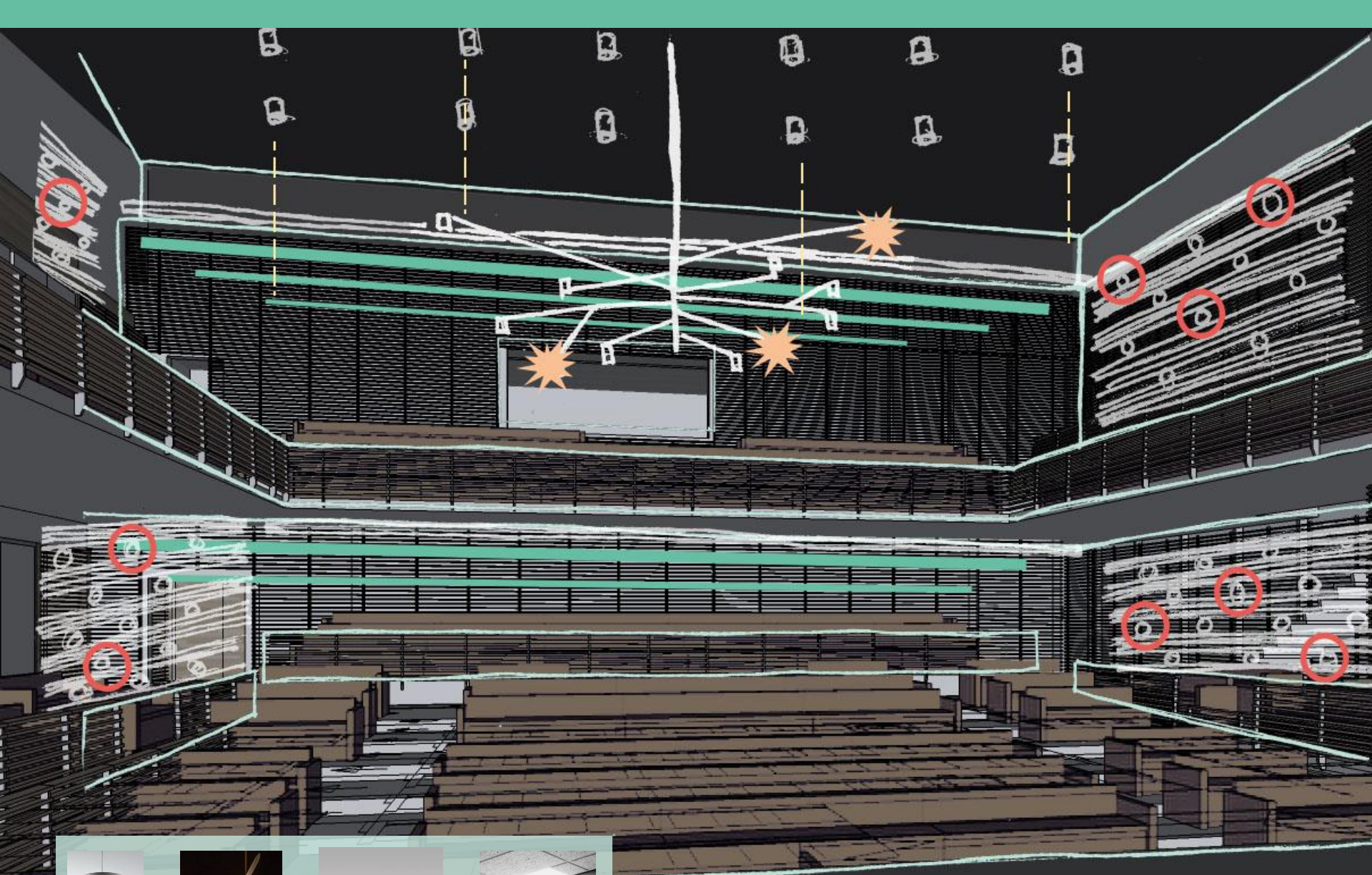














SEE FP DWGS FOR LAYOUT



1 PLY GYPSUM BOARD FASTENED TO DECK SEE RCP

# Performing Arts Theatre

## More on Sight Lines

ROOF DRAIN

SEE DUCT BLACK, TYP

LADDER EXTENSION TO 60" AFF

CATWALK AT EL. 48"

CHASE BEYOND

HSS 8x8 W/ INTUMESCENT PAINT  
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LADDER TO CATWALK LEVEL  
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SEE A-6.13 FOR RAIL INTERIOR ELEVATIONS

HOUSE CIRCULATION 210

4 CABLE HOOKS: SEE E-5.01

LIGHTS: SEE RCP

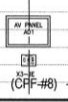
ED CONDUIT

OR ENLARGED PLAN FOR PENINGS IN FLY GALLERY STAGE WALL, TYP.

PTD CMU, TYP

R STANDPIPE

2'-0" (0)



SEE INTERIOR ELEVATIONS FOR ALL INFORMATION BELOW BARRIER CEILING

PG58DEEP x18 WIDE

CPW#8 BEAM PENETRATION

SEE INTERIOR ELEVATIONS FOR ALL INFORMATION BELOW BARRIER CEILING

BA CEILING @ EL: +18'-7"

BA CEILING @ EL: +17'-4 1/4"

BA @ EL: +17'-3"

SEE INTERIOR ELEVATIONS FOR ALL INFORMATION BELOW BARRIER CEILING  
RESILIENT SEALANT @ HEAD



# Performing Arts Theatre

## More on Custom Options



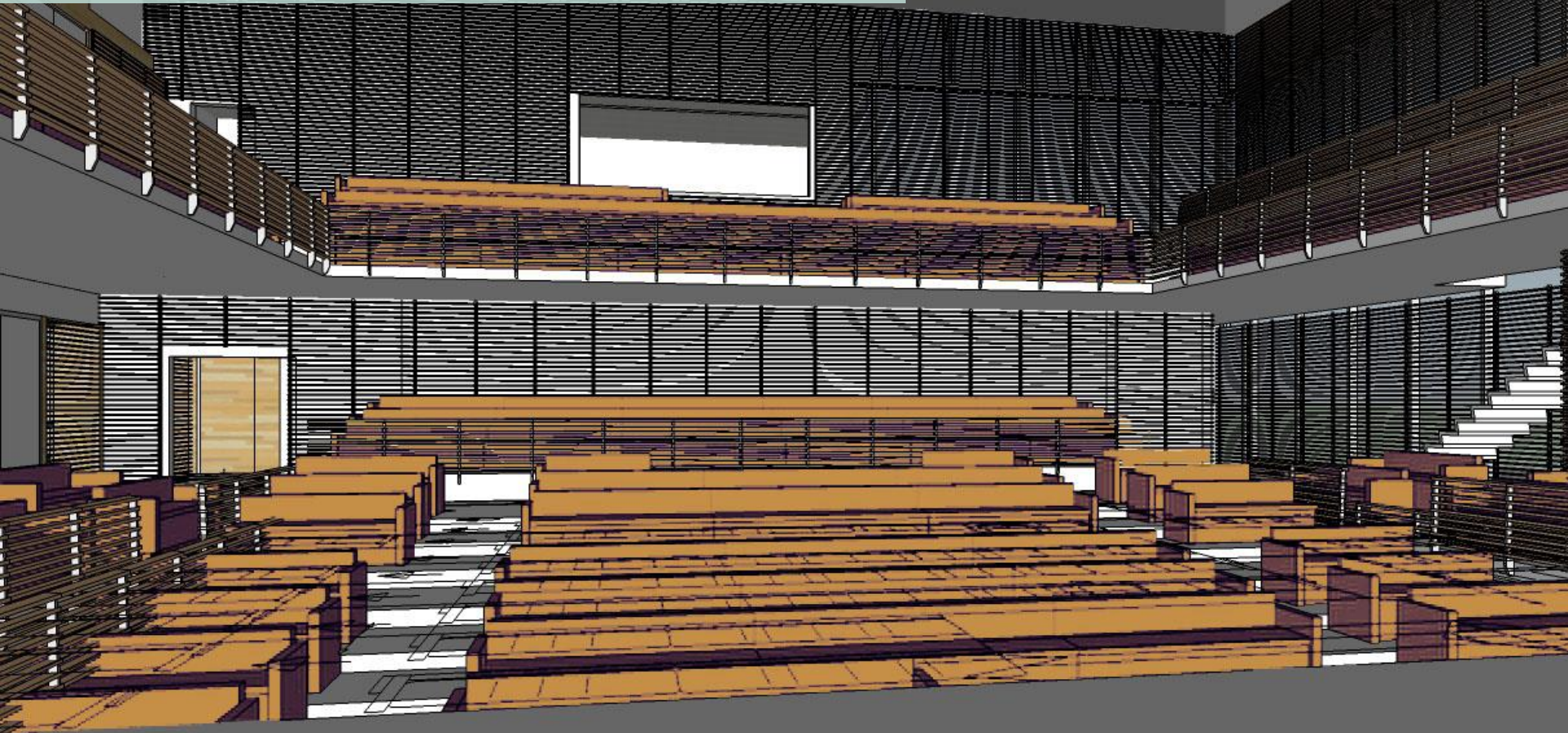


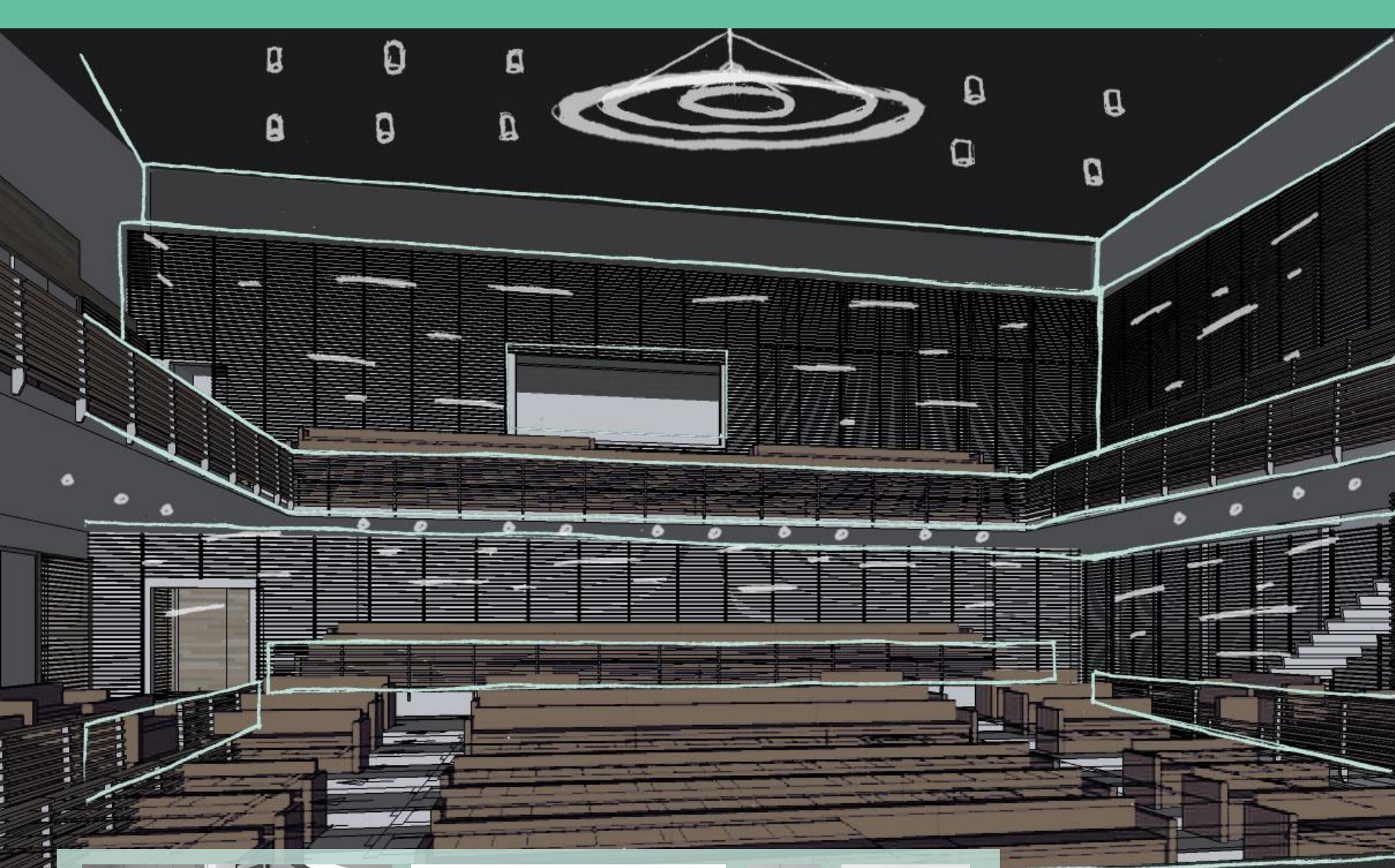
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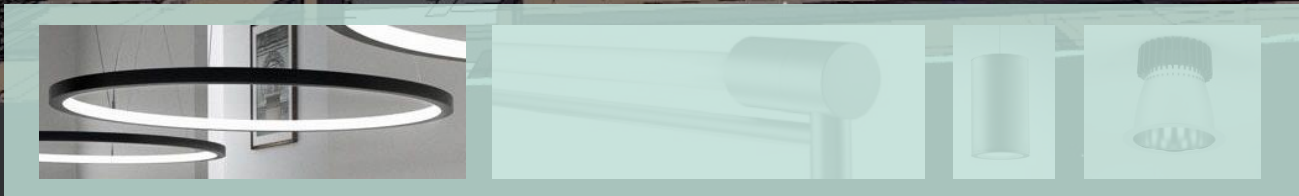
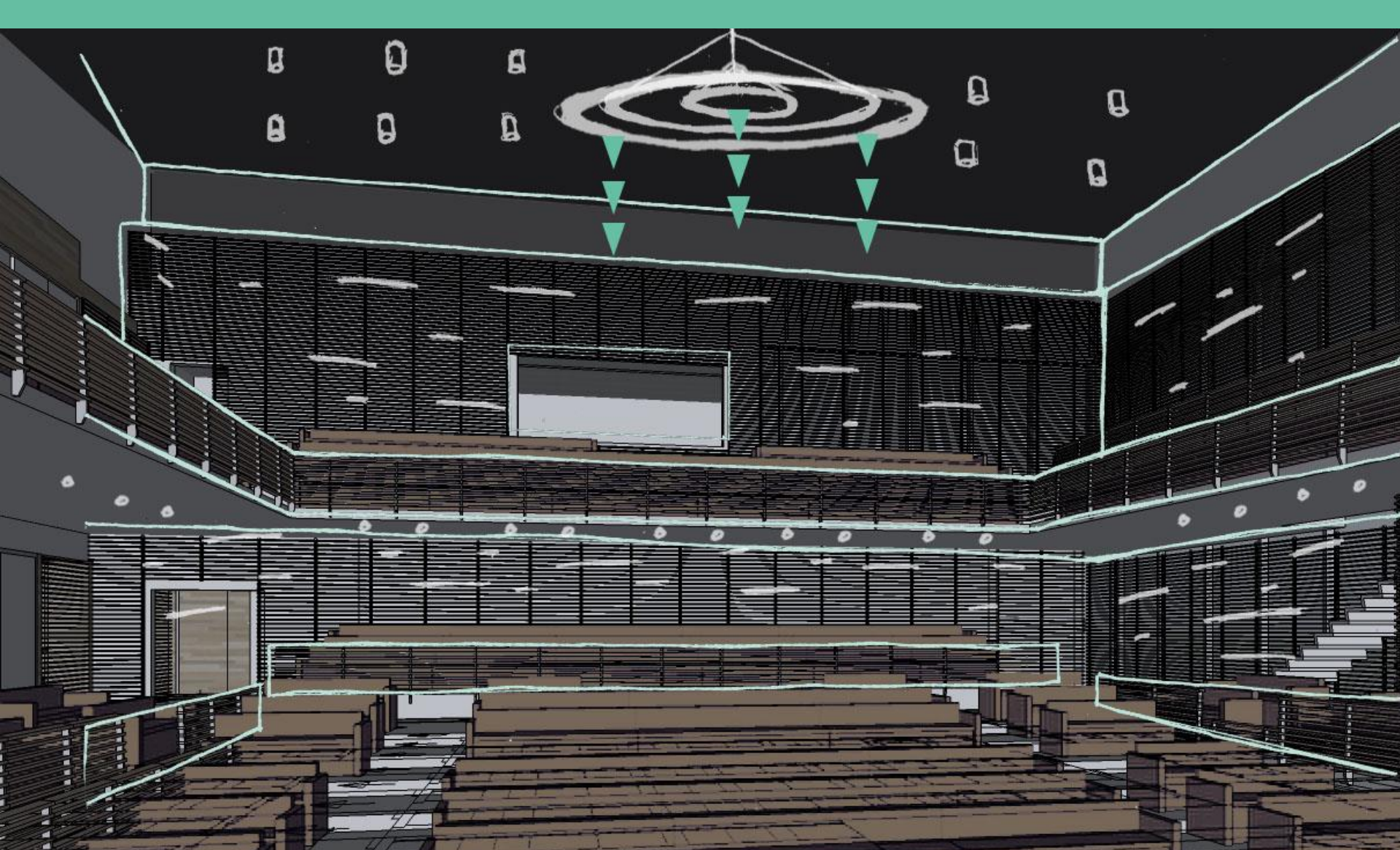
## Option Two

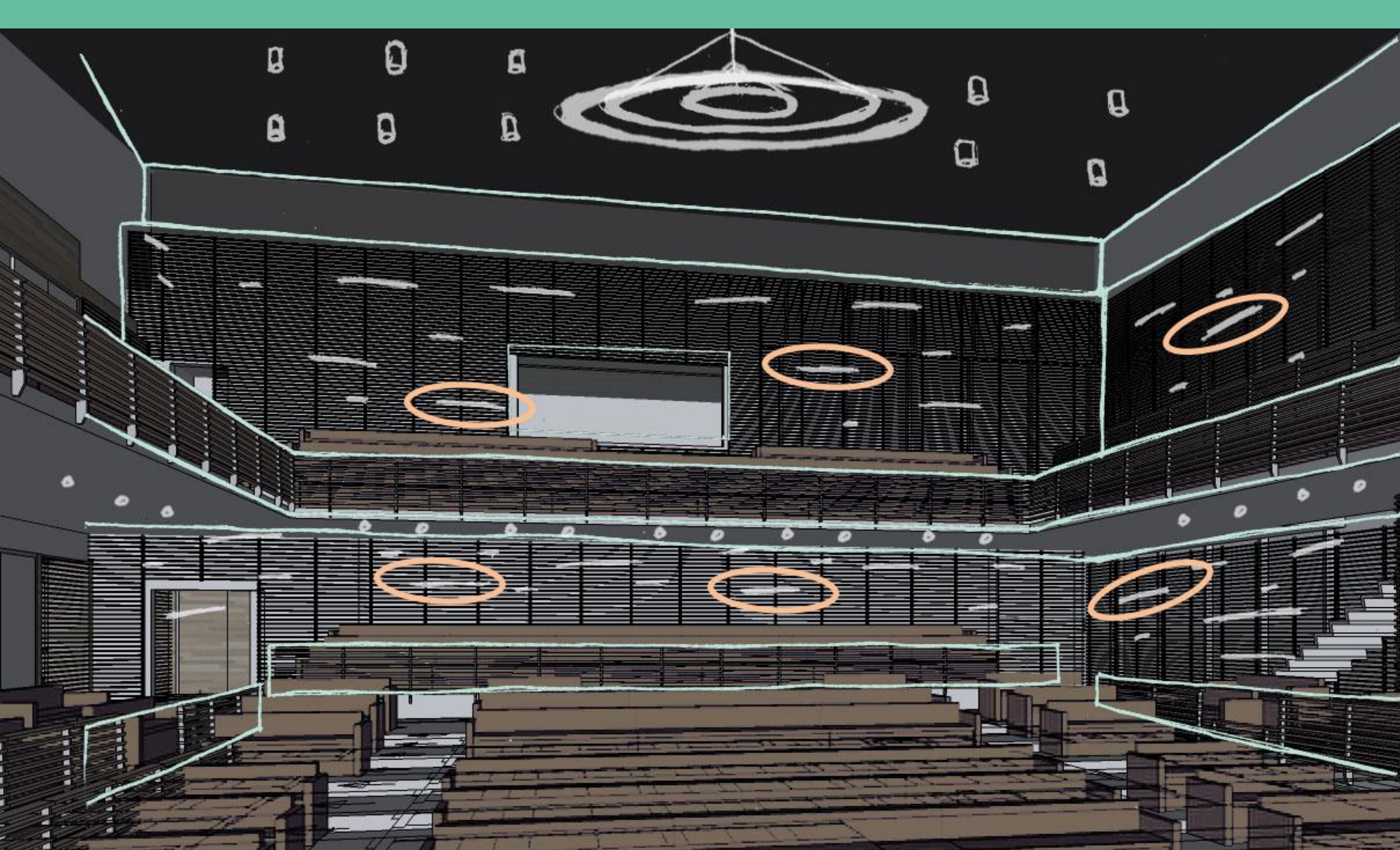
# Performing Arts Theatre

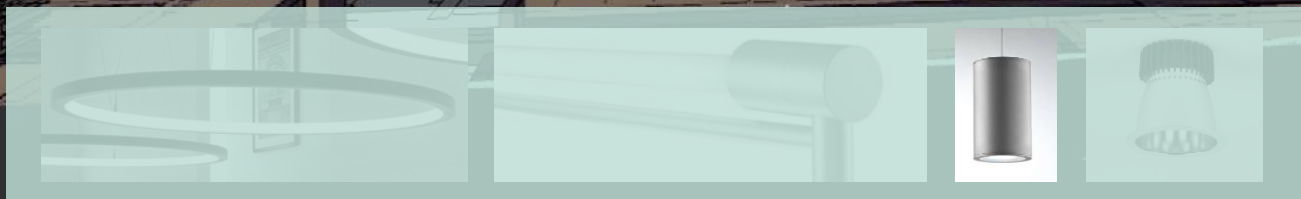
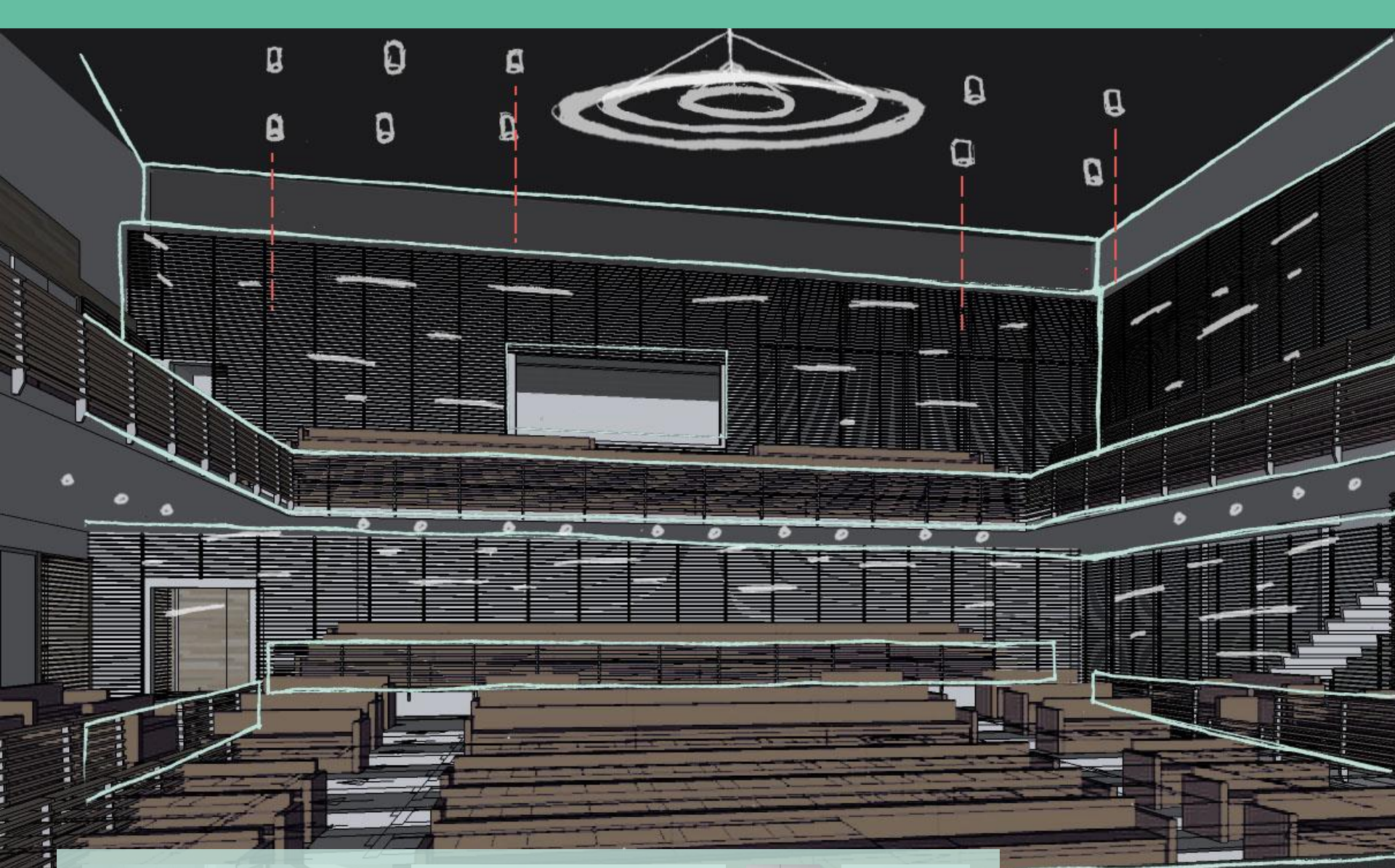
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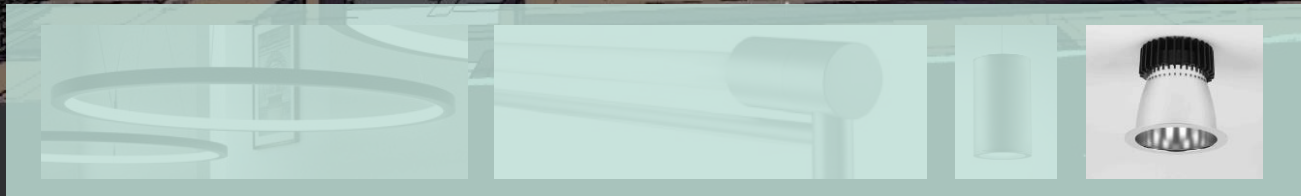
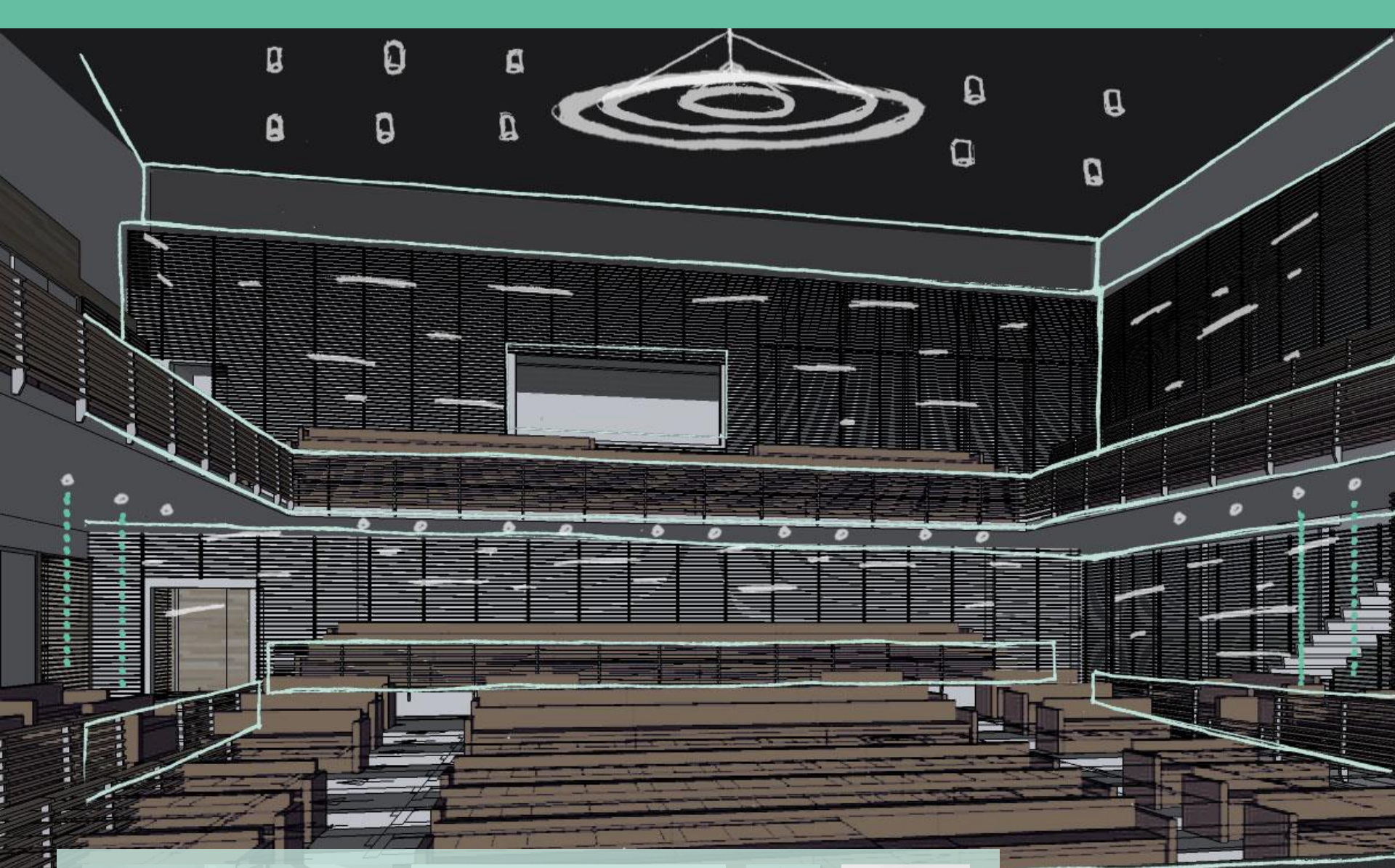




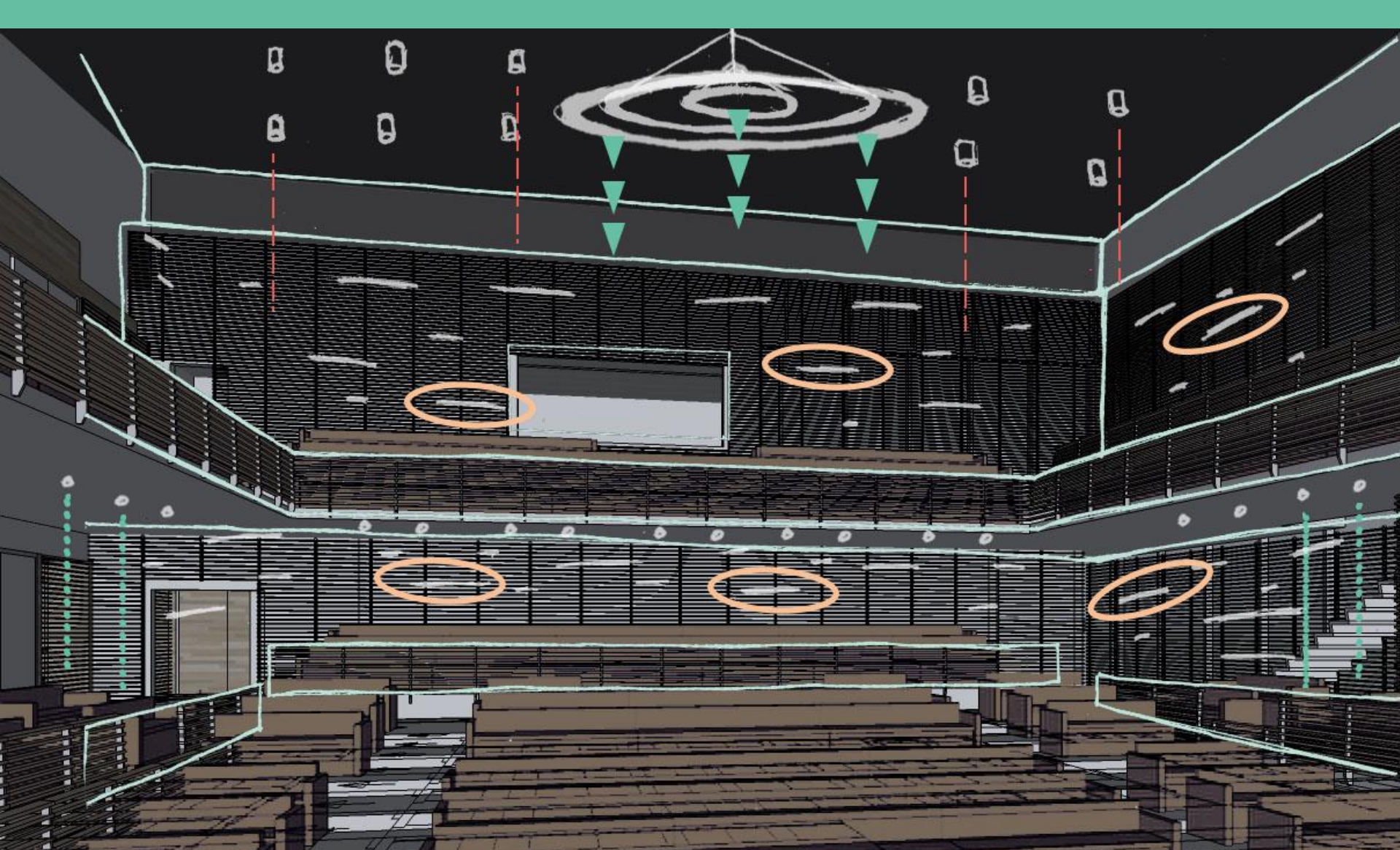














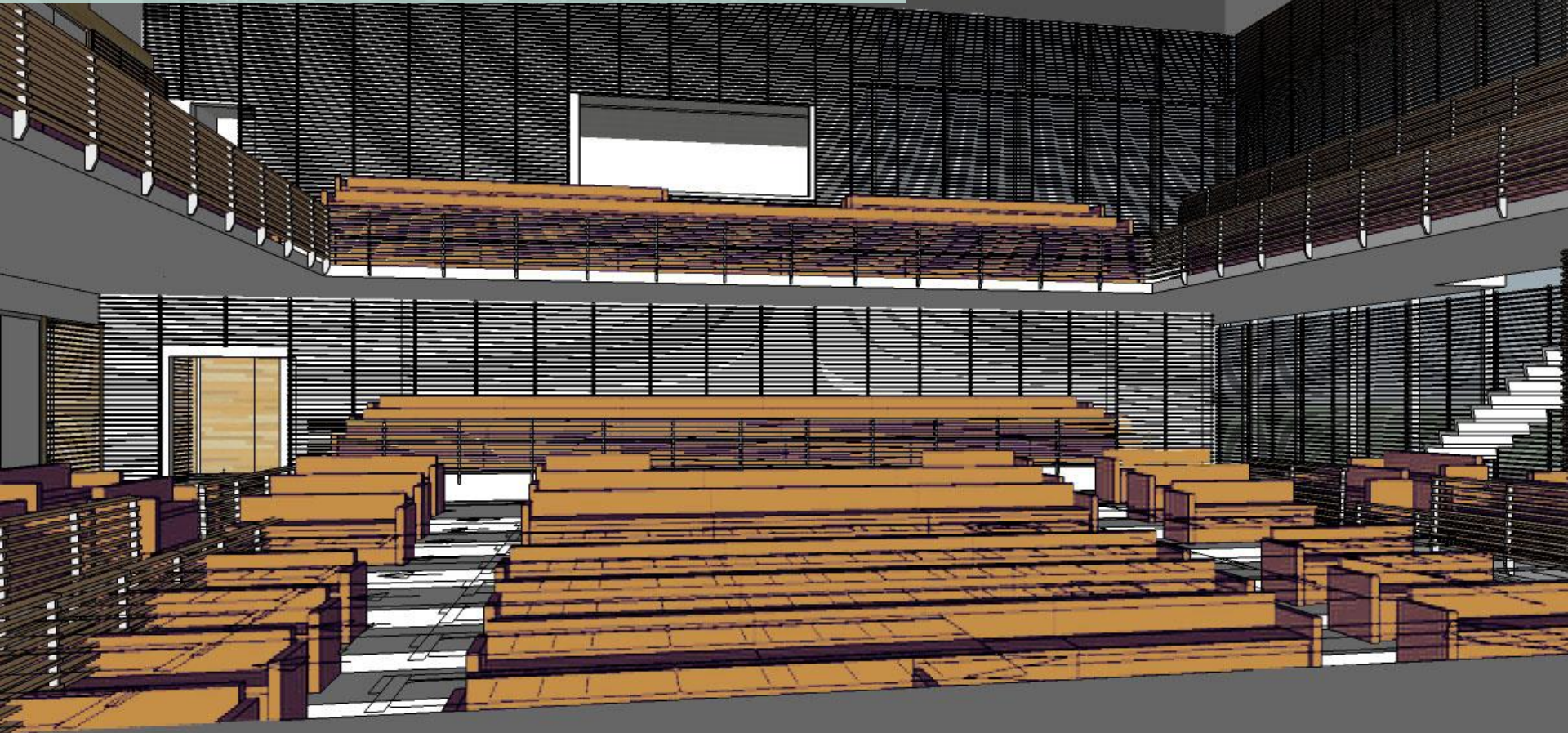
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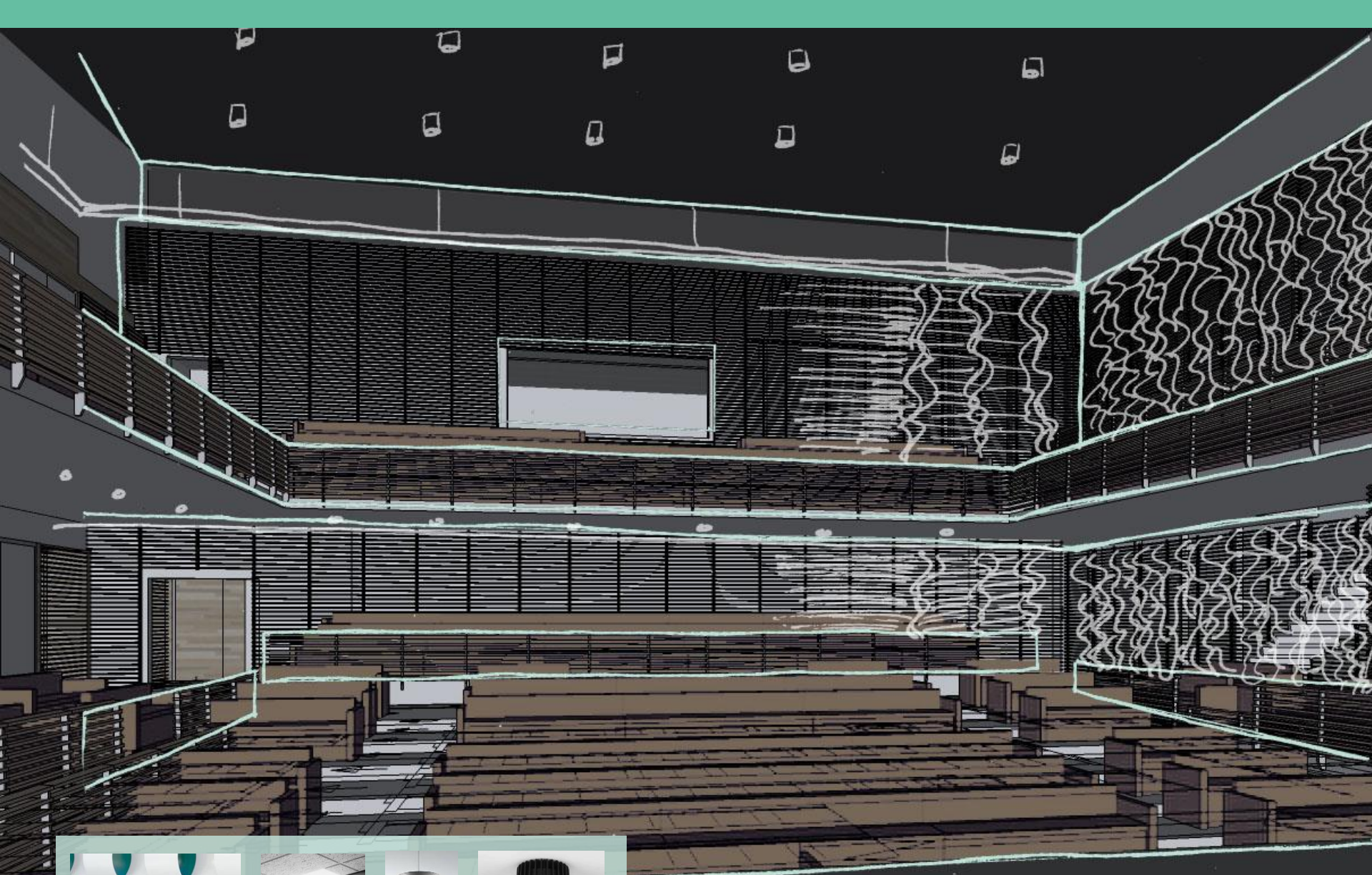
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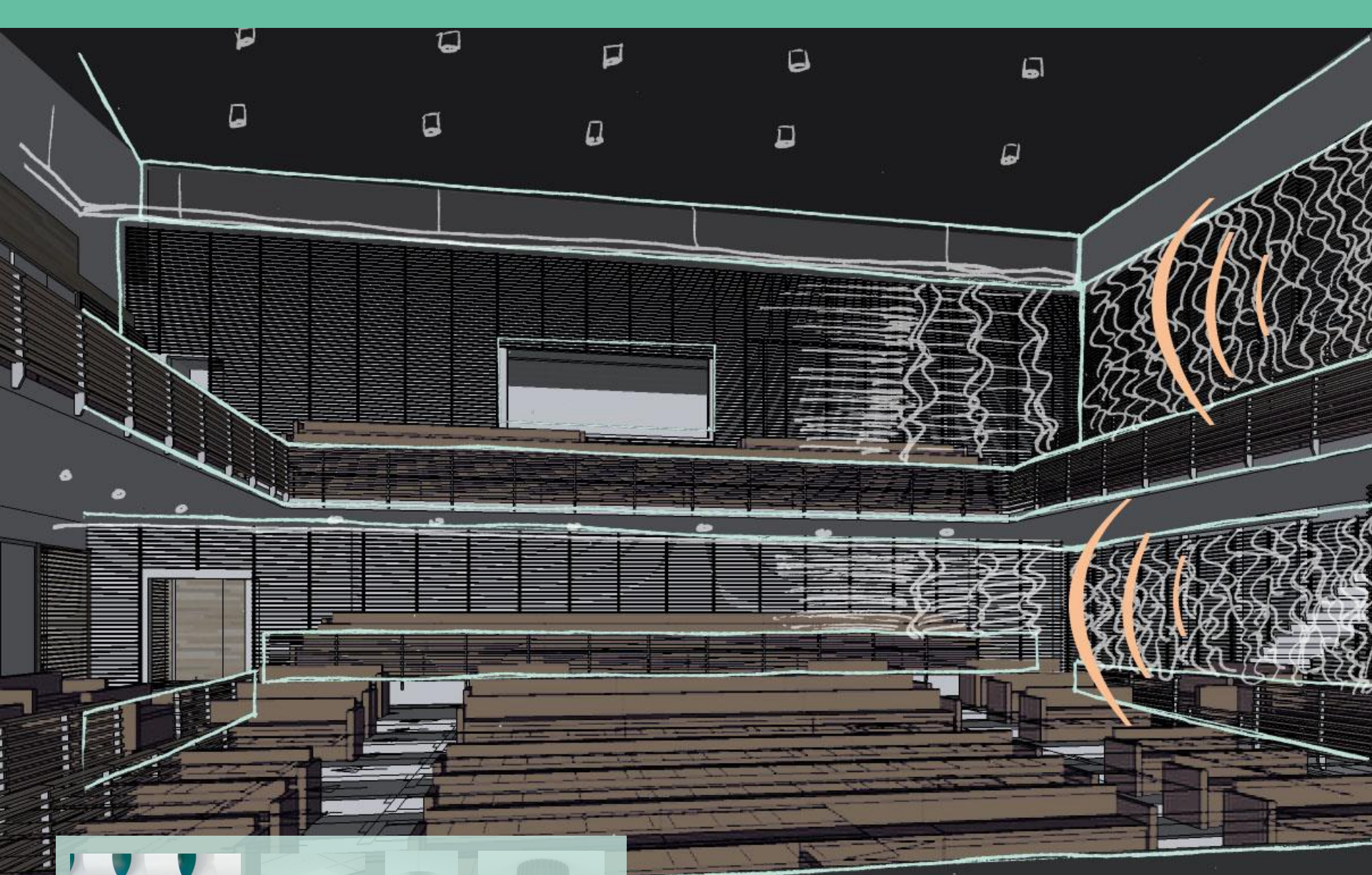


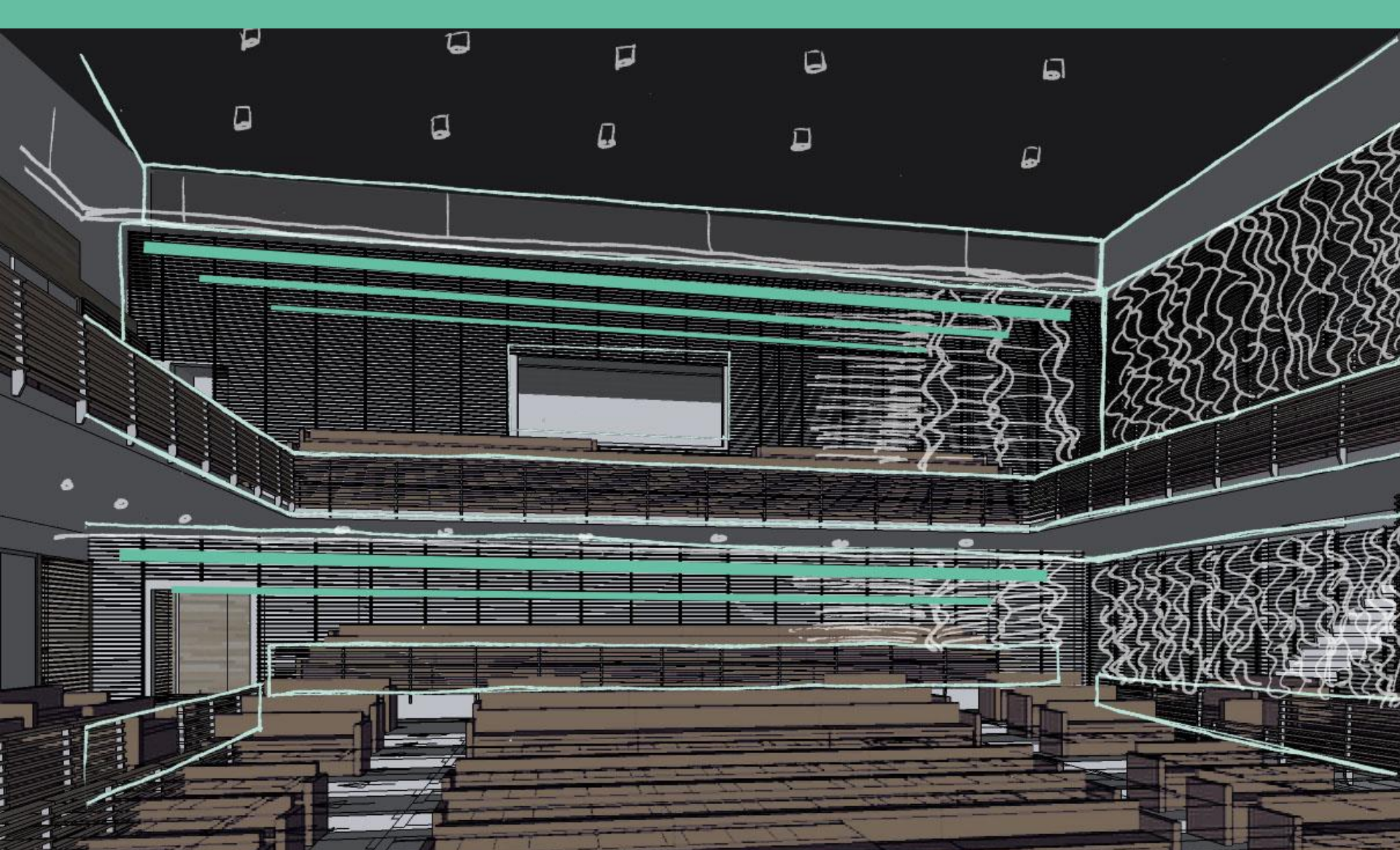
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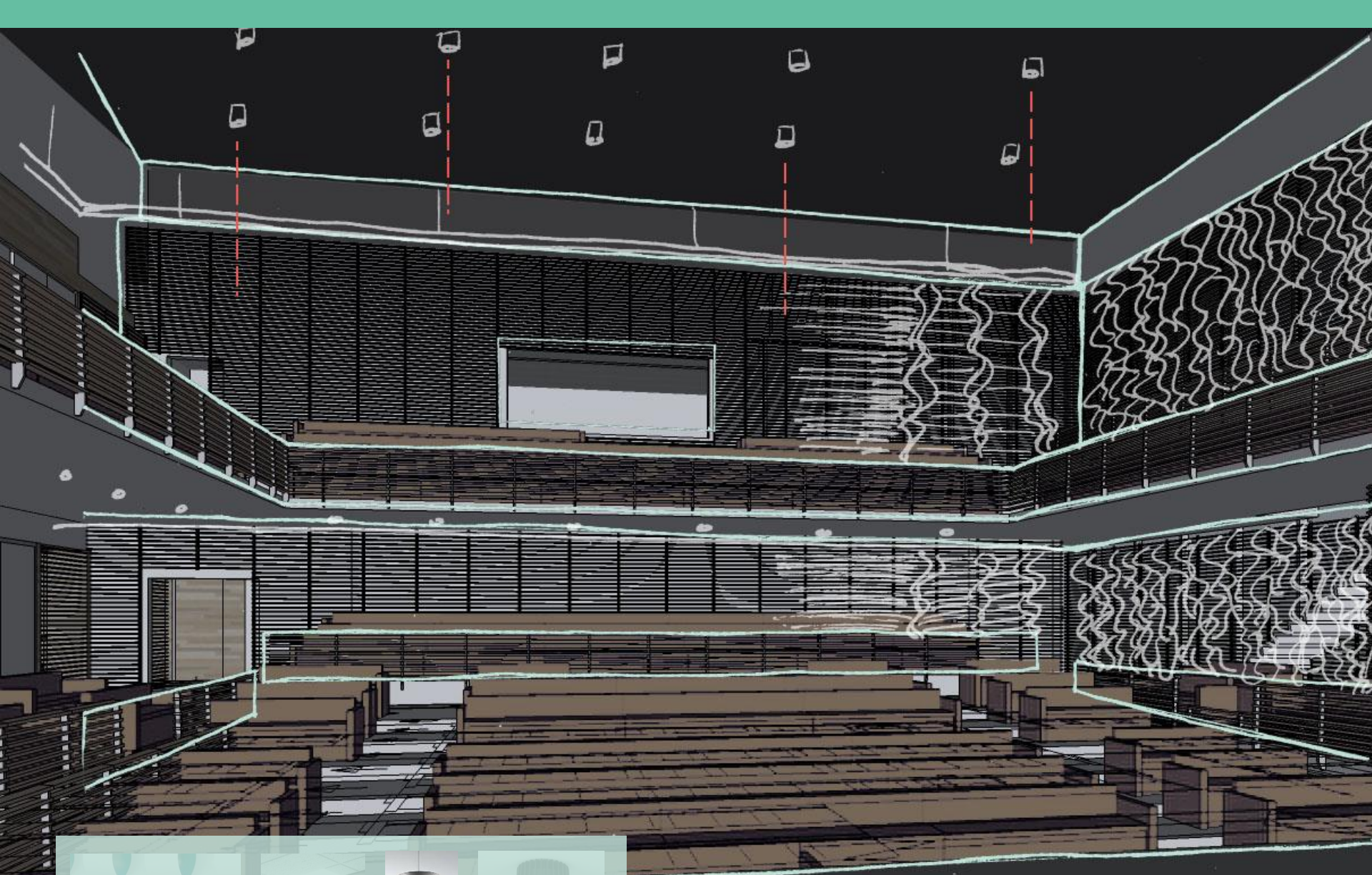
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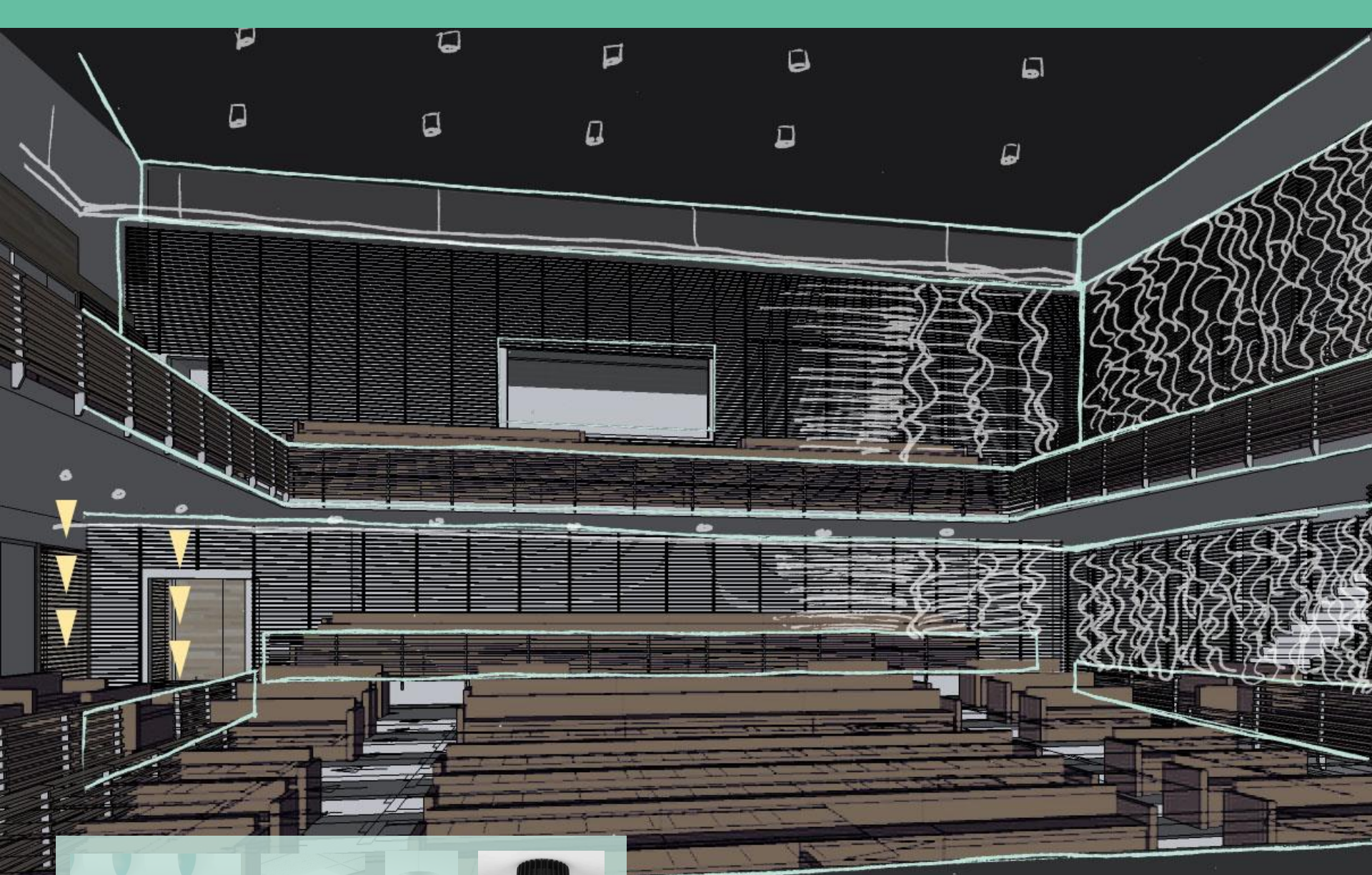


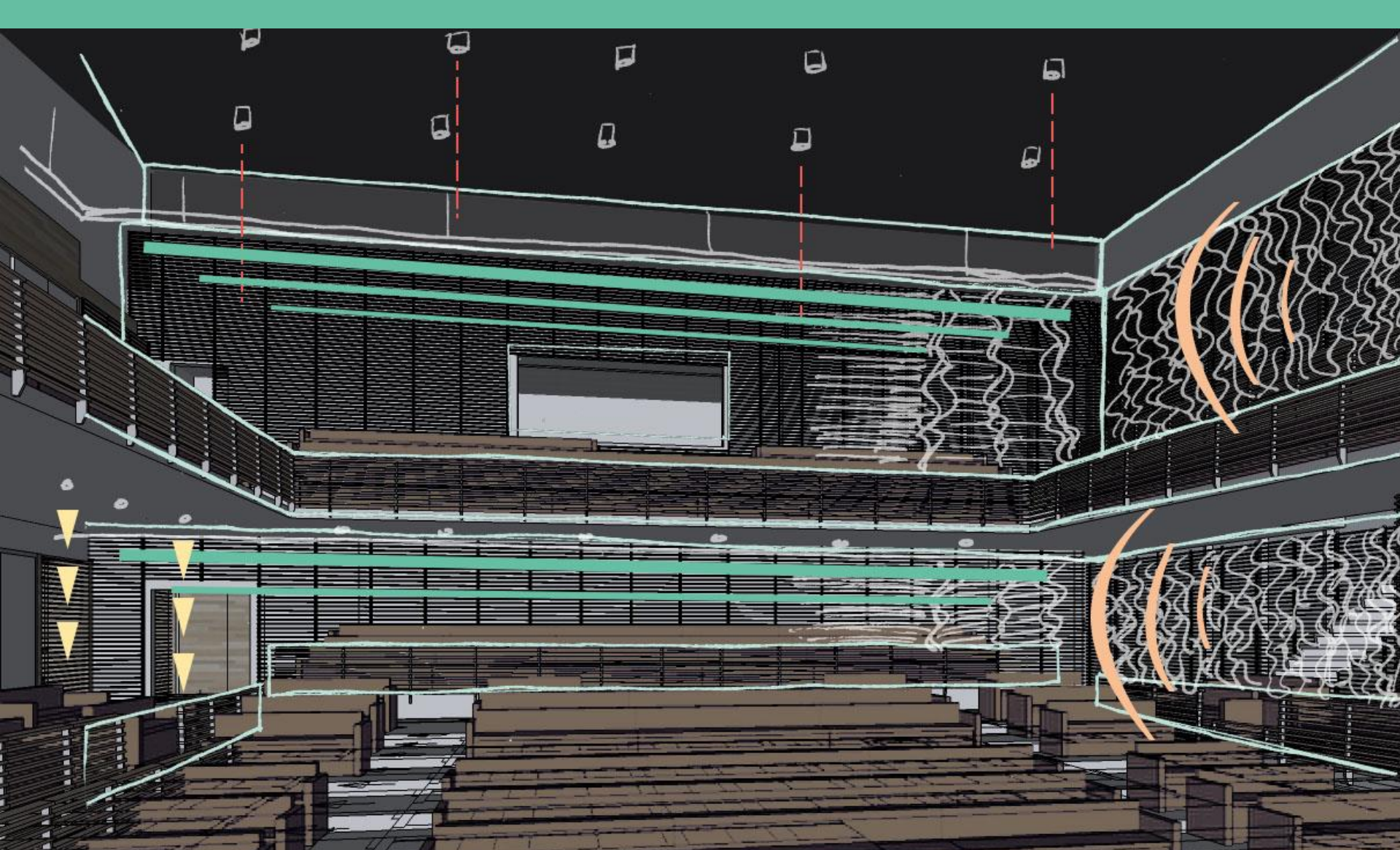














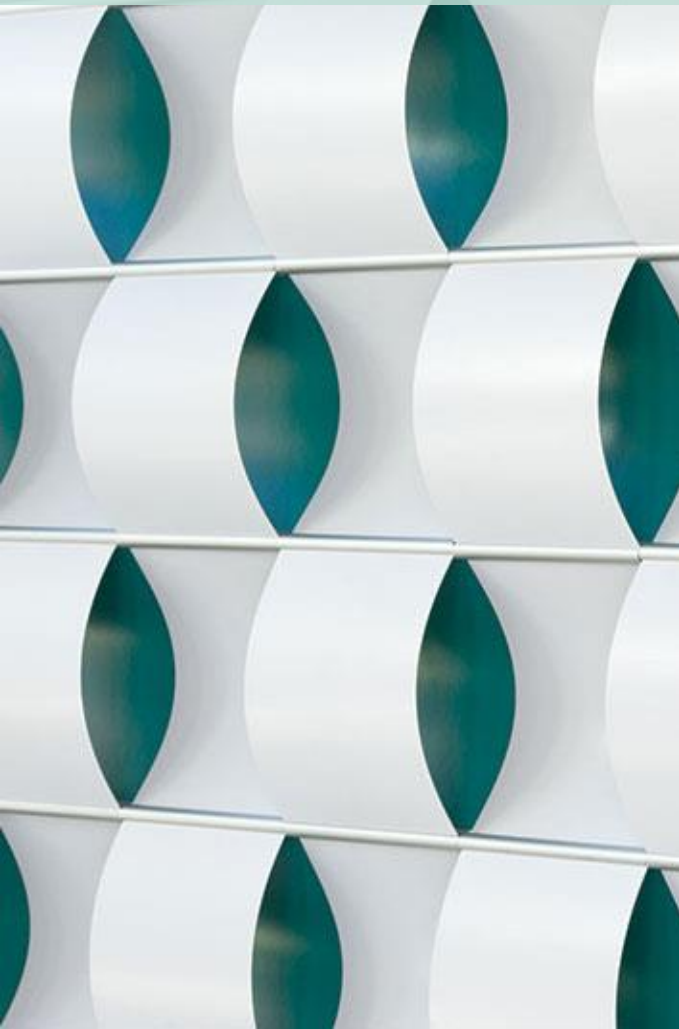
# Performing Arts Theatre

## Application Photos



# Performing Arts Theatre

More on Custom Options





# Wellness Corridor

Lighting Power Density – 0.9 W/sf  
Illuminance Requirements – 100 lux (Day)  
50 lux (Night)

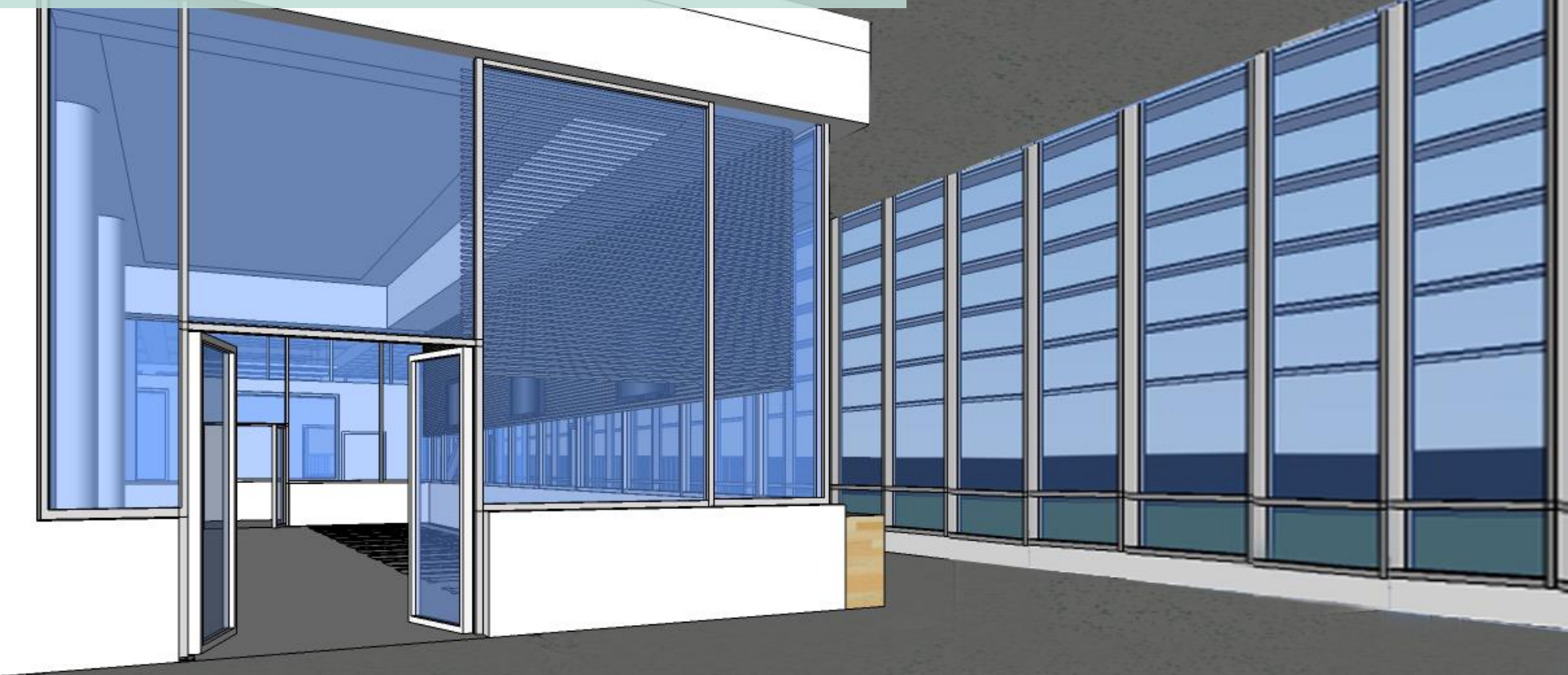
- Public Flynn Impression
- Daylighting + Glare Control
- Wayfinding + Circulation

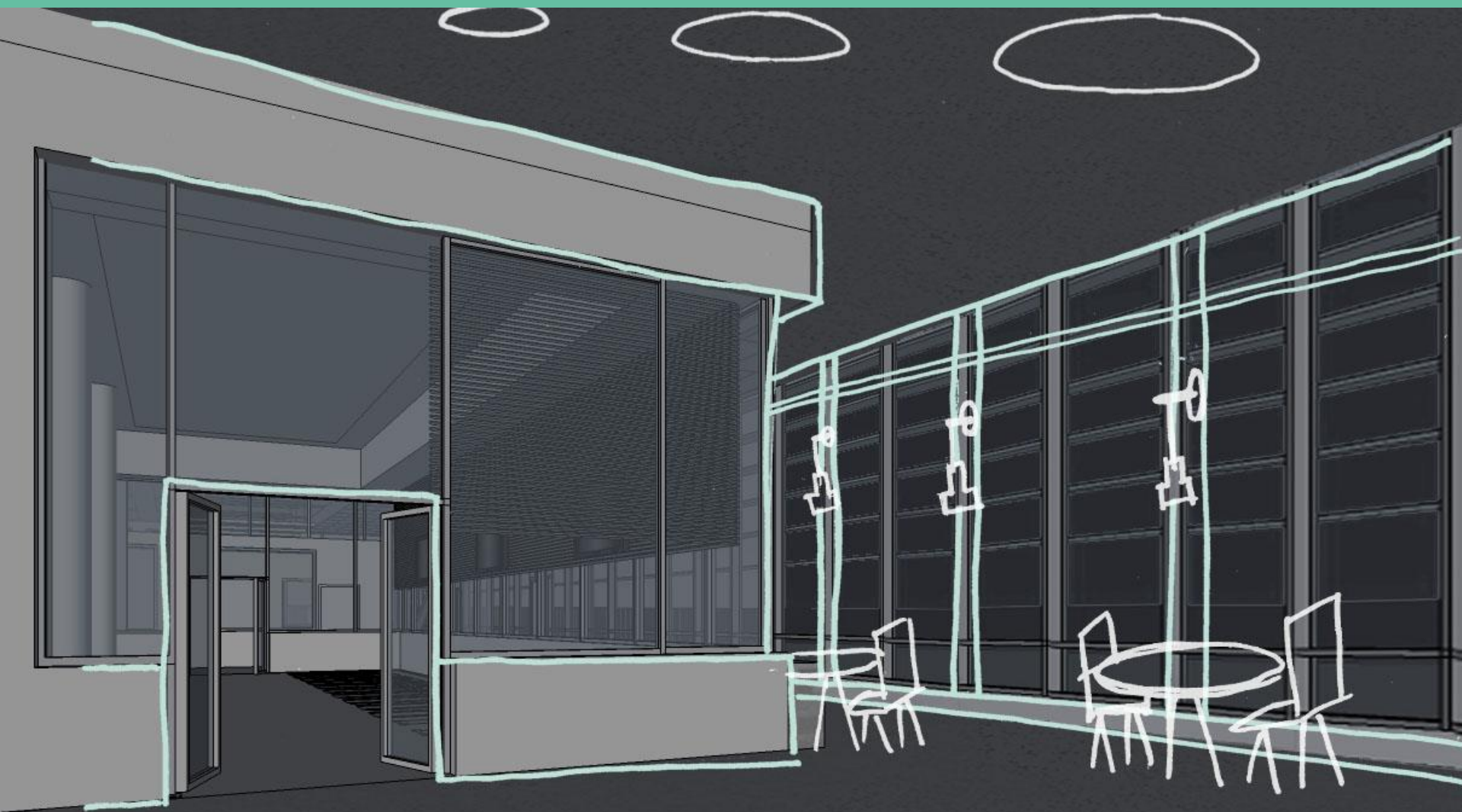
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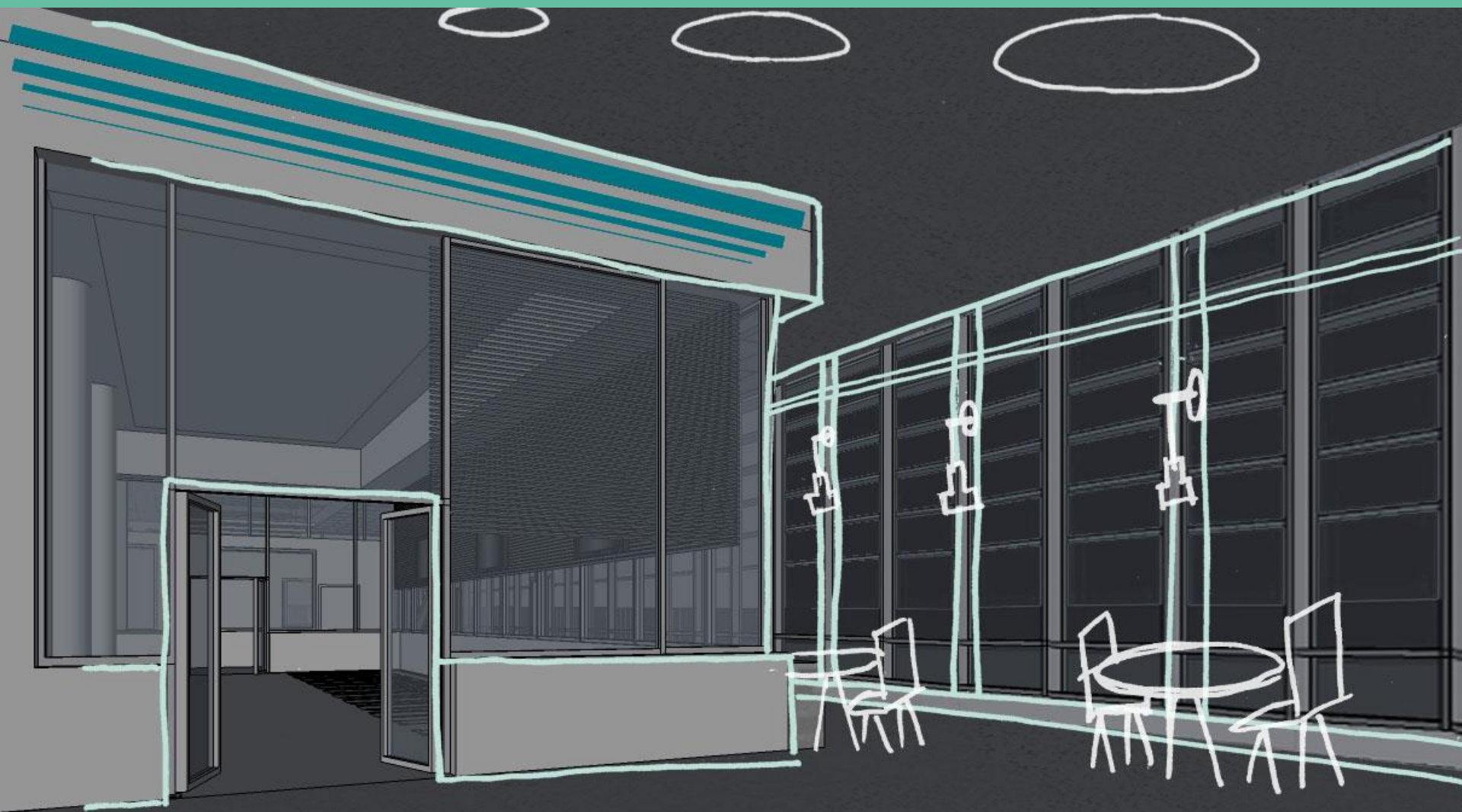


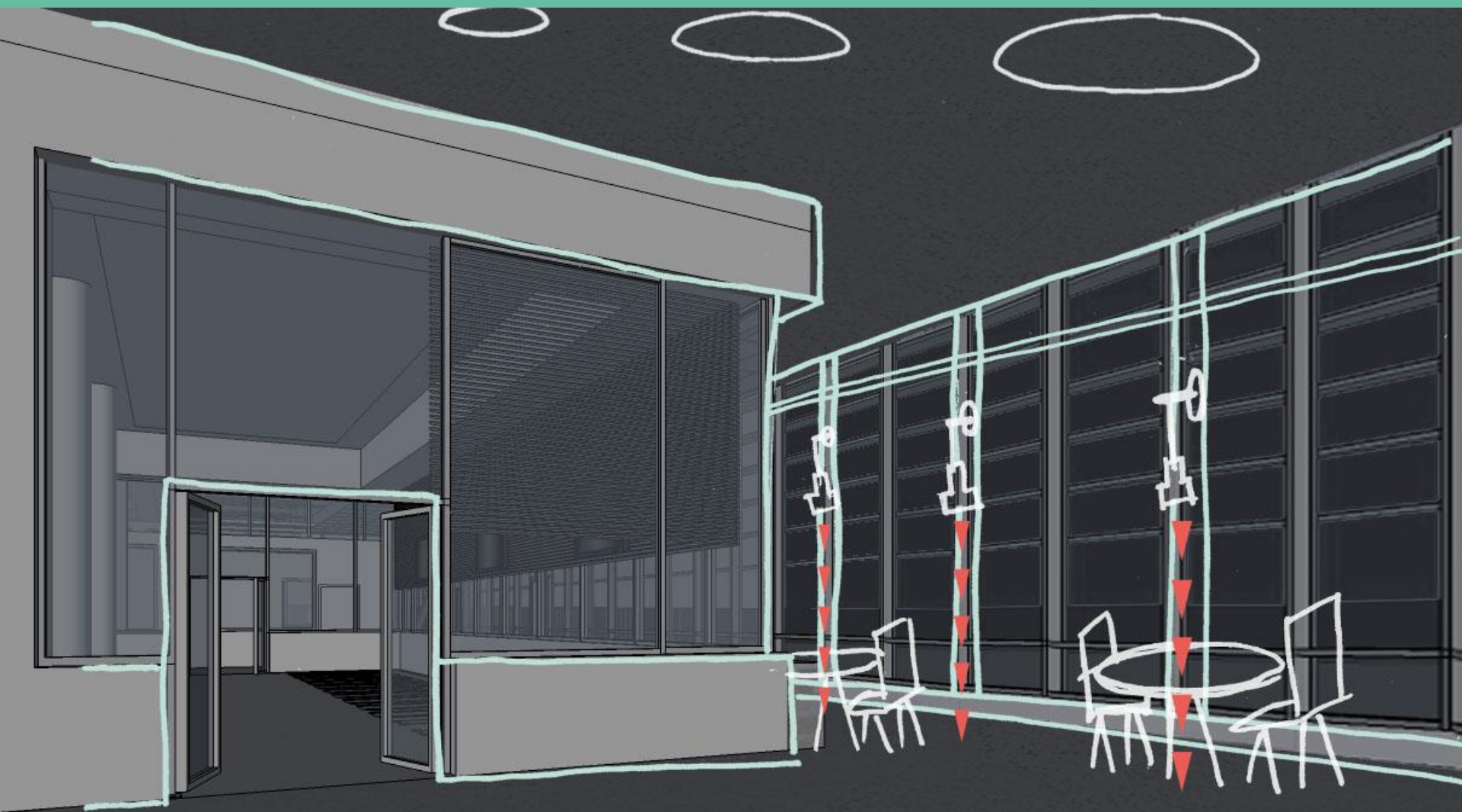


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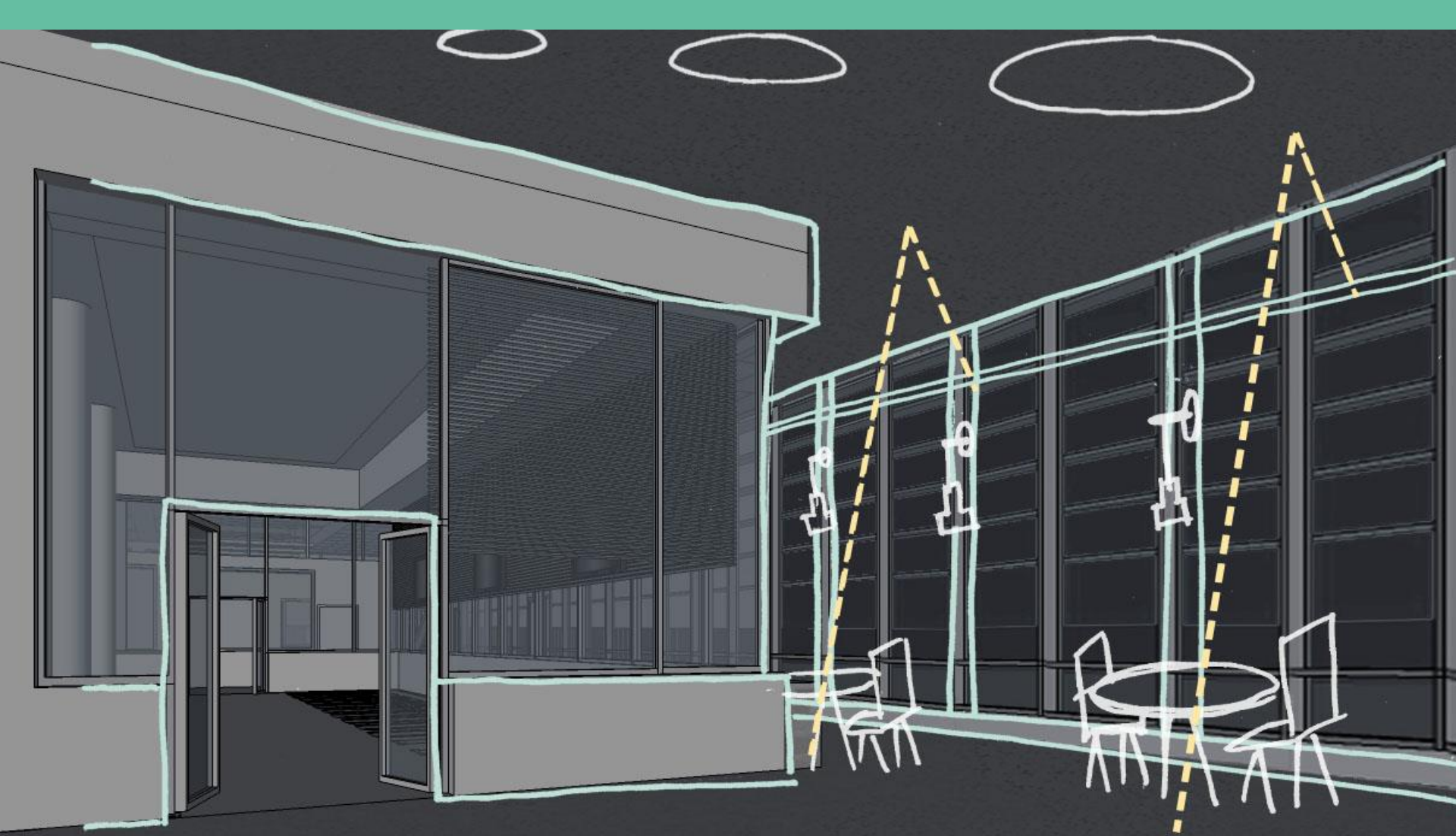


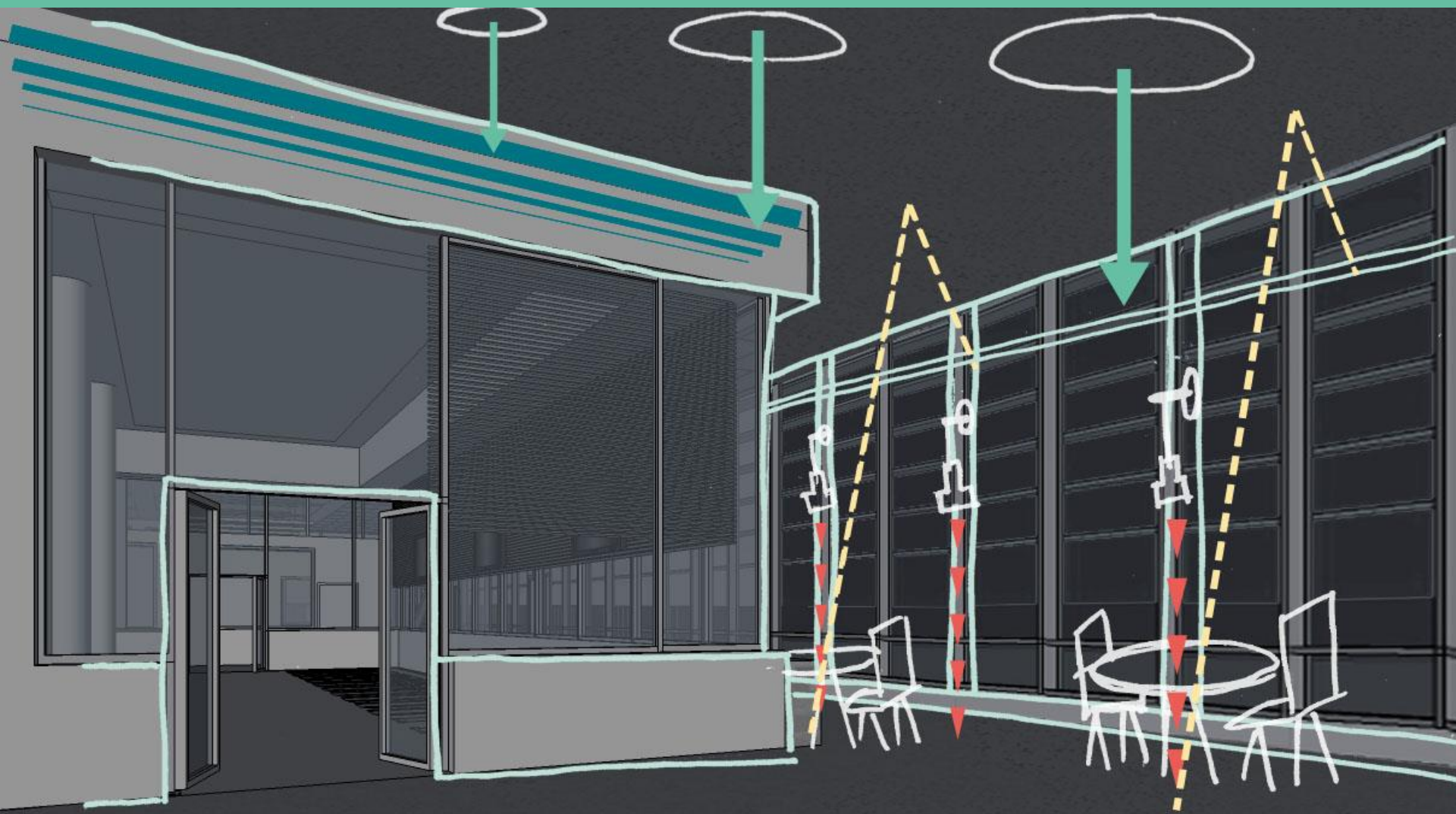
















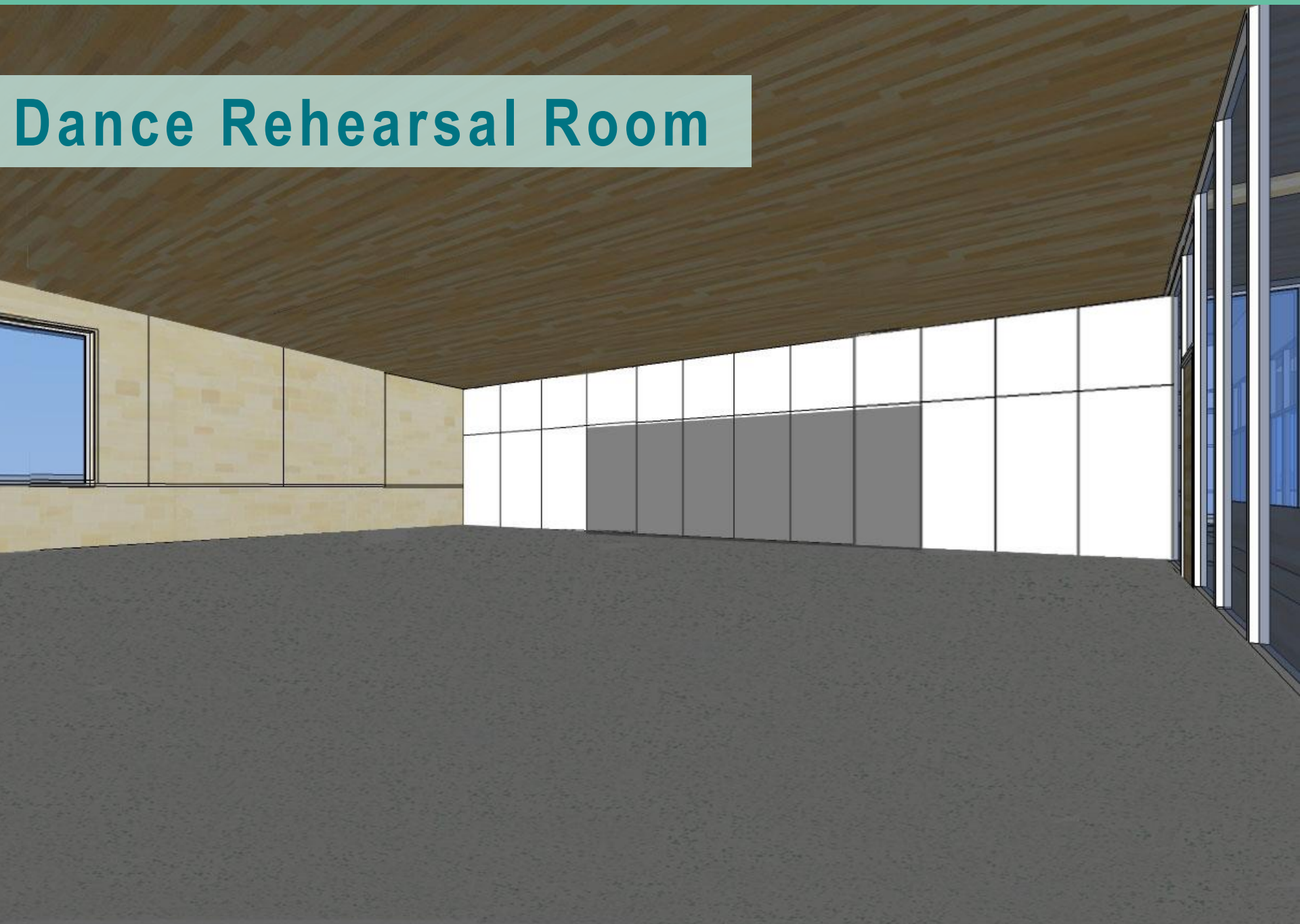


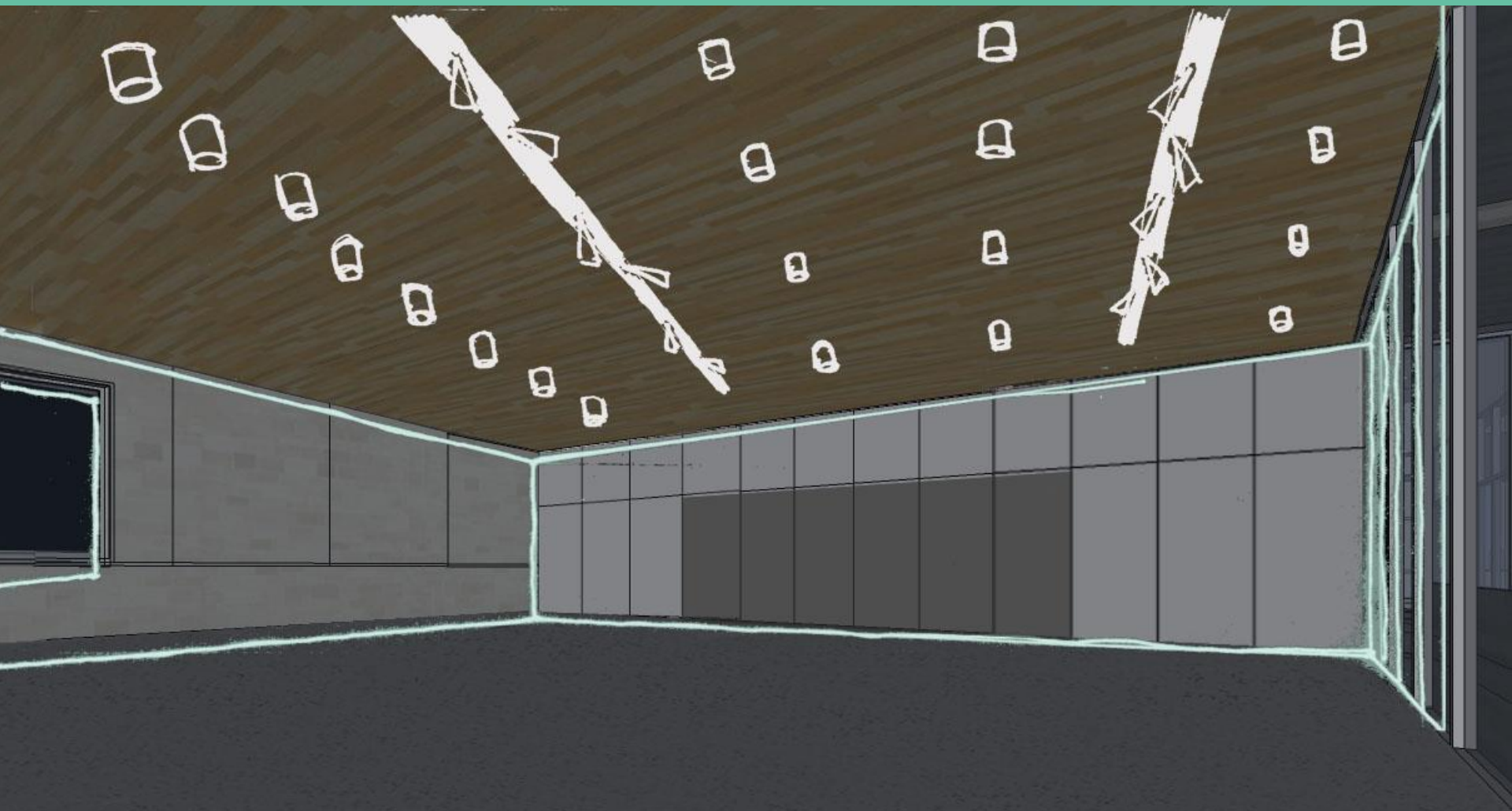


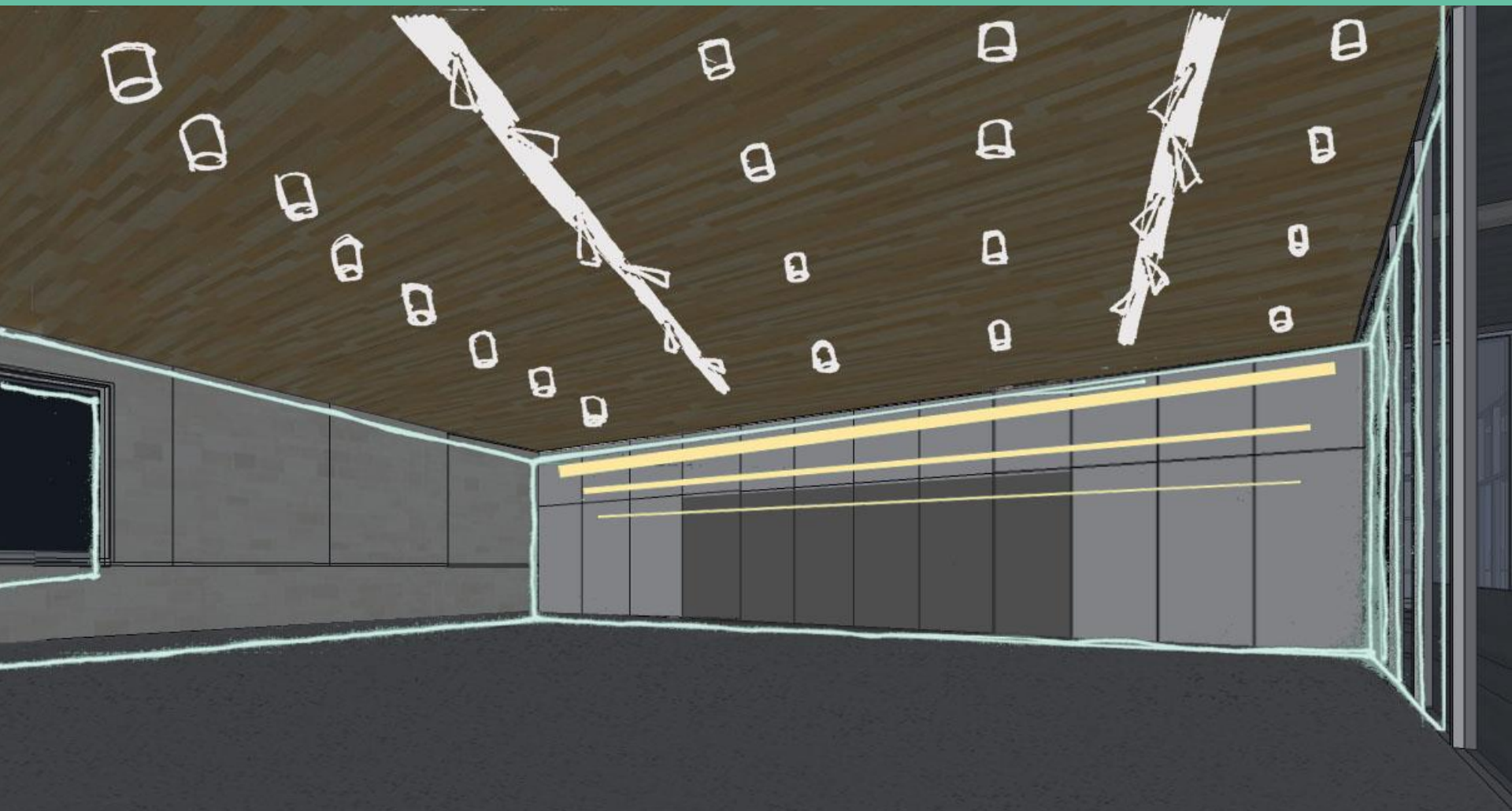
# Dance Rehearsal Room

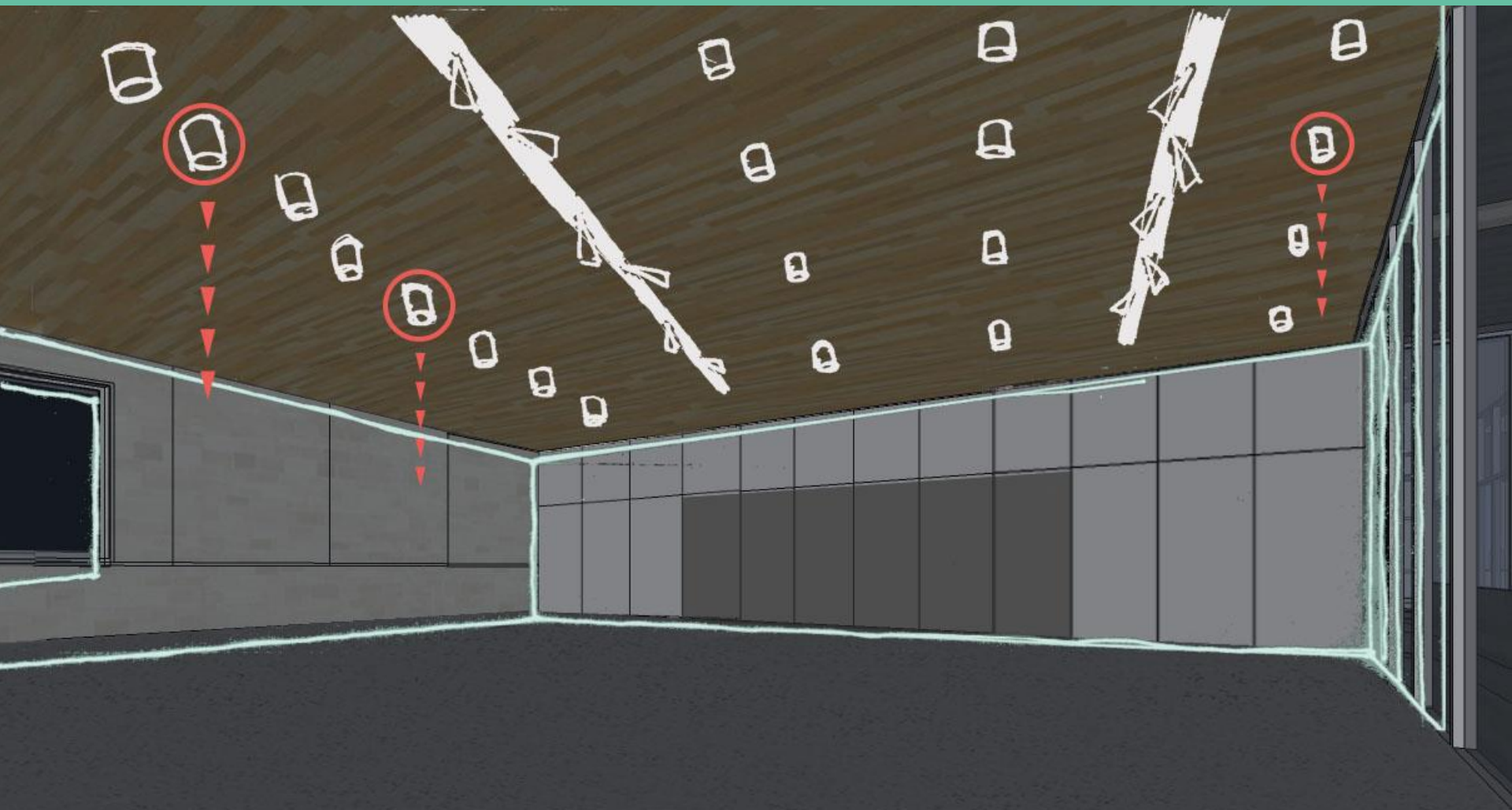


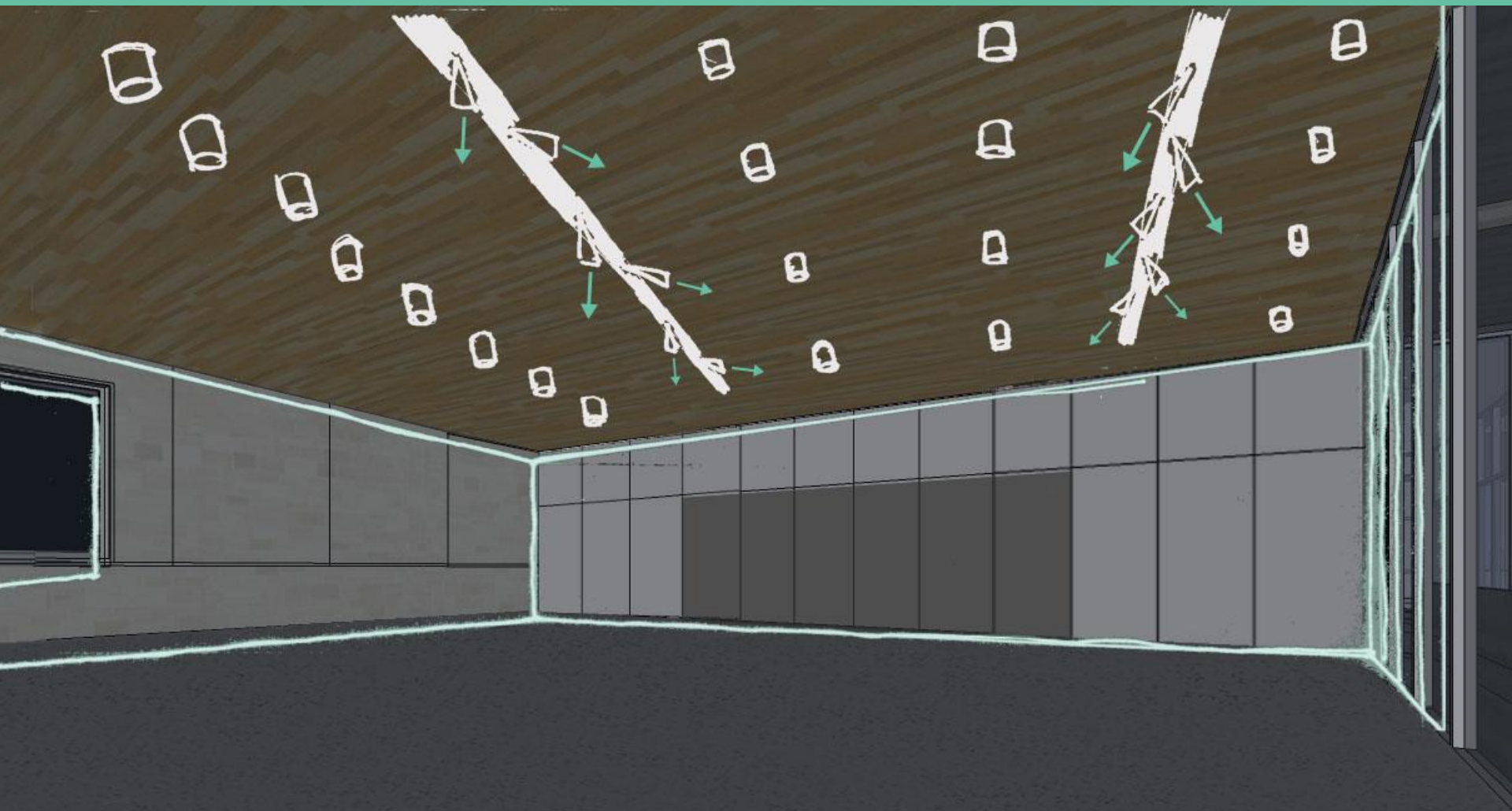
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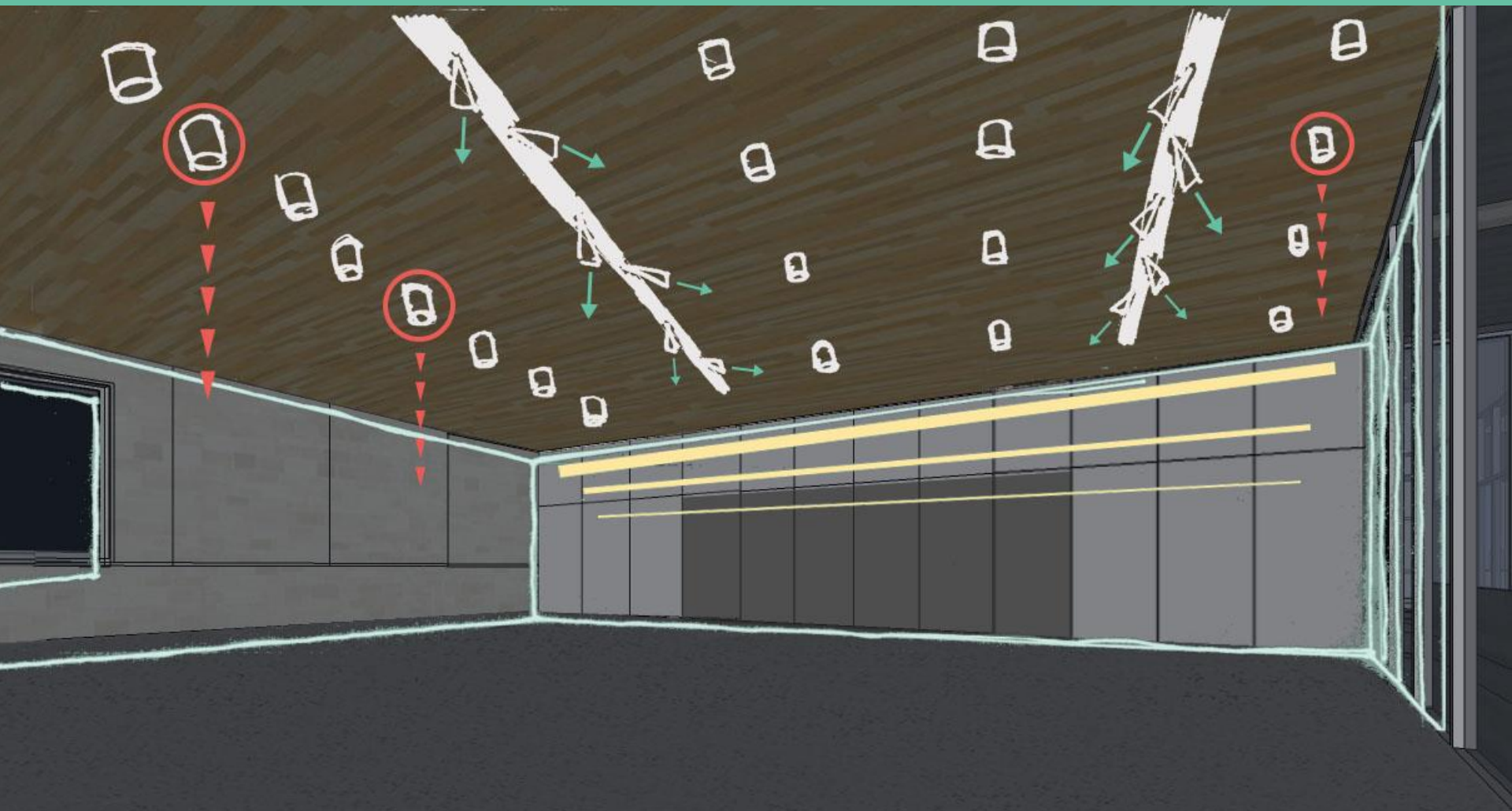


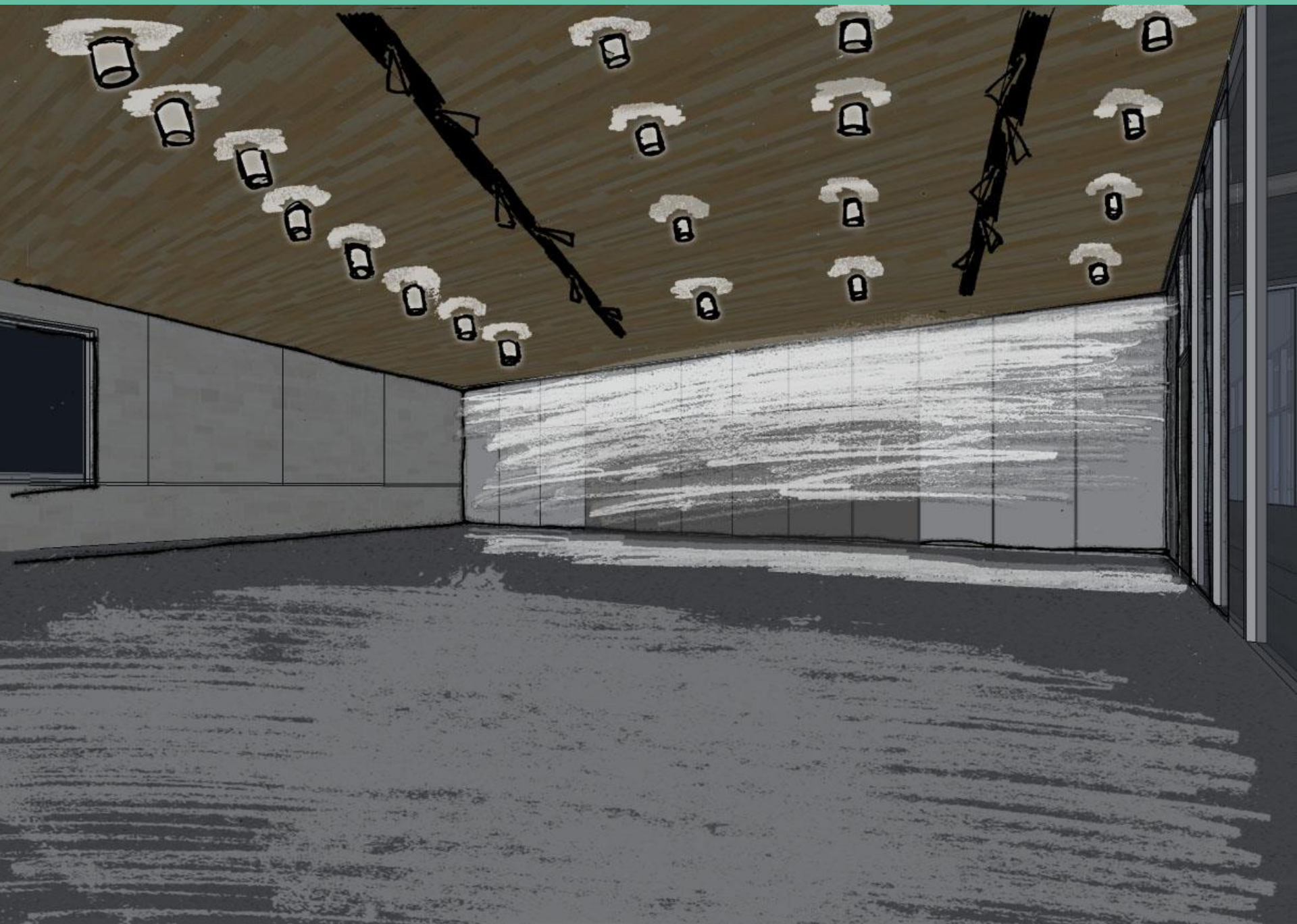














# Arts + Wellness Entrance

Lighting Power Density – 1.24 W/sf

Illuminance Requirements – 300 lux

- Visual Comfort
- Orientation
- Safety + Security

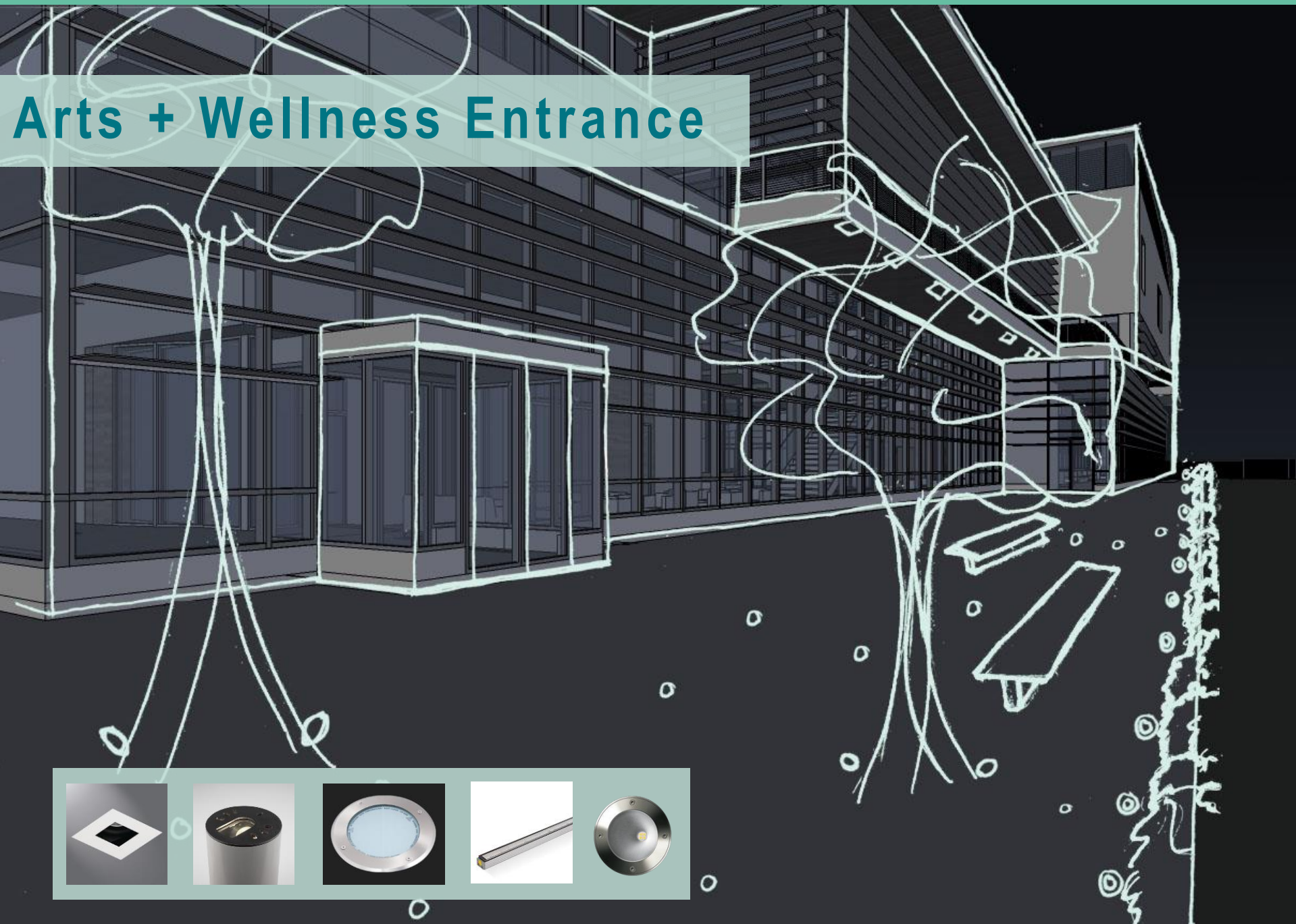
# Arts + Wellness Entrance



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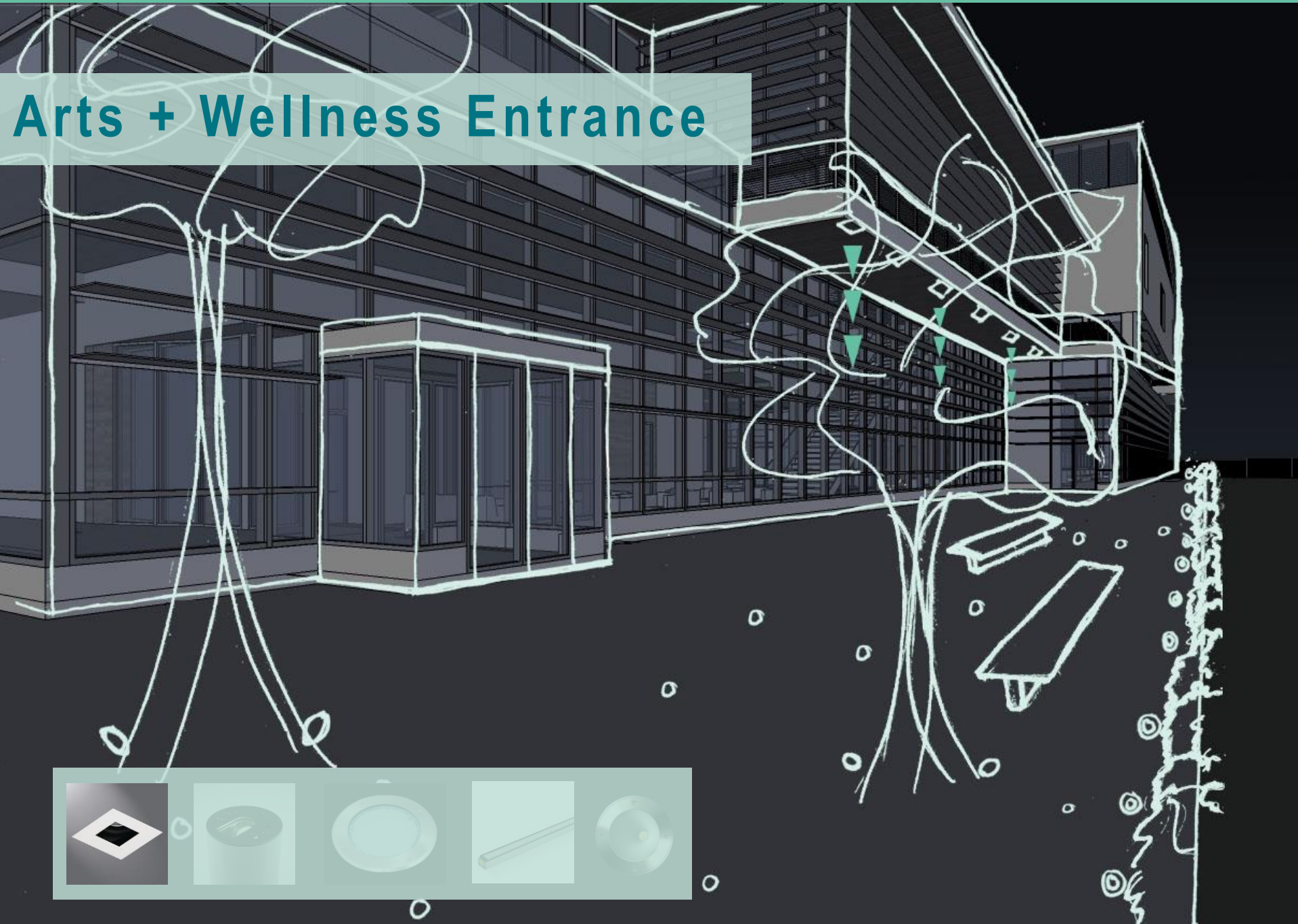


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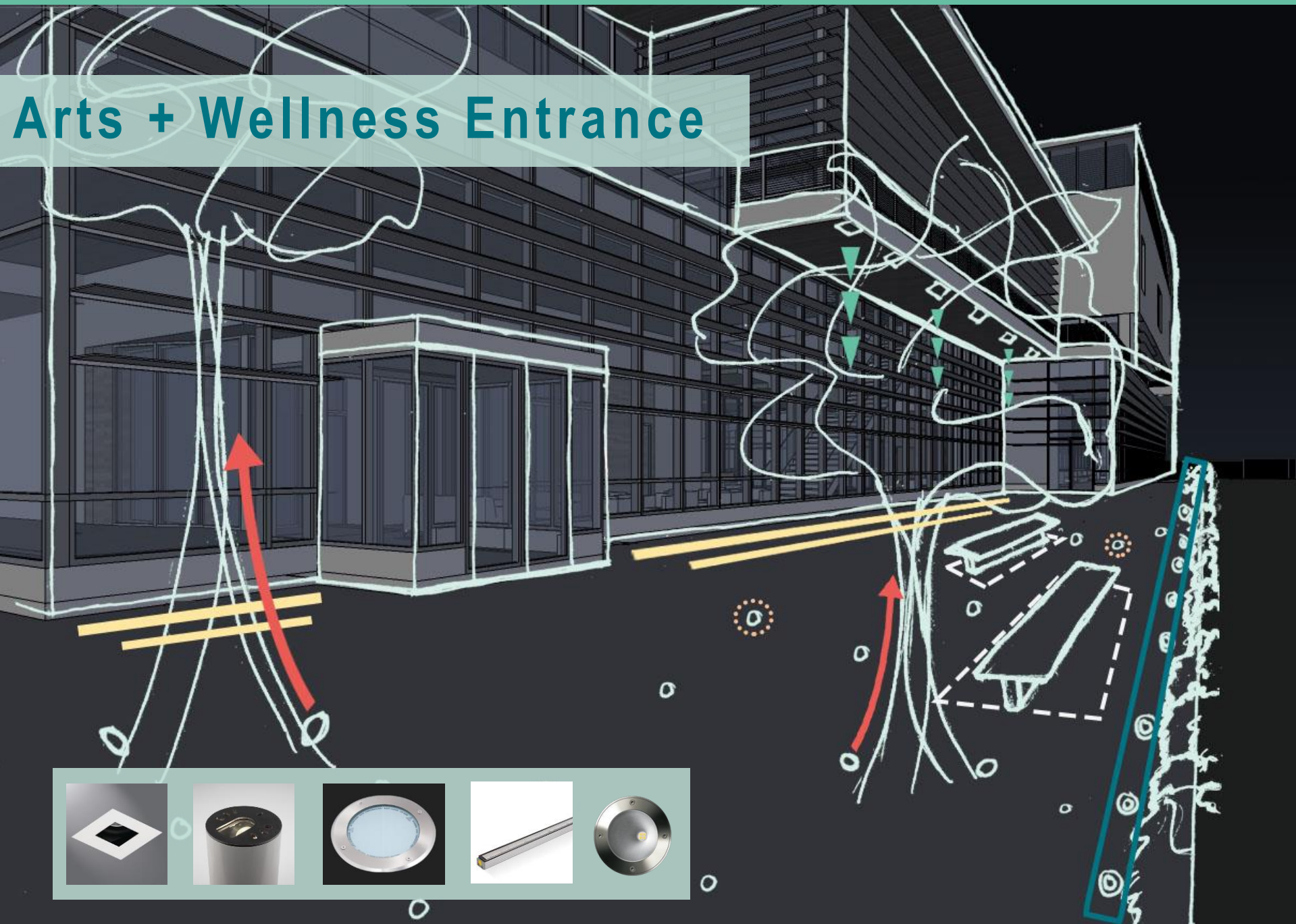
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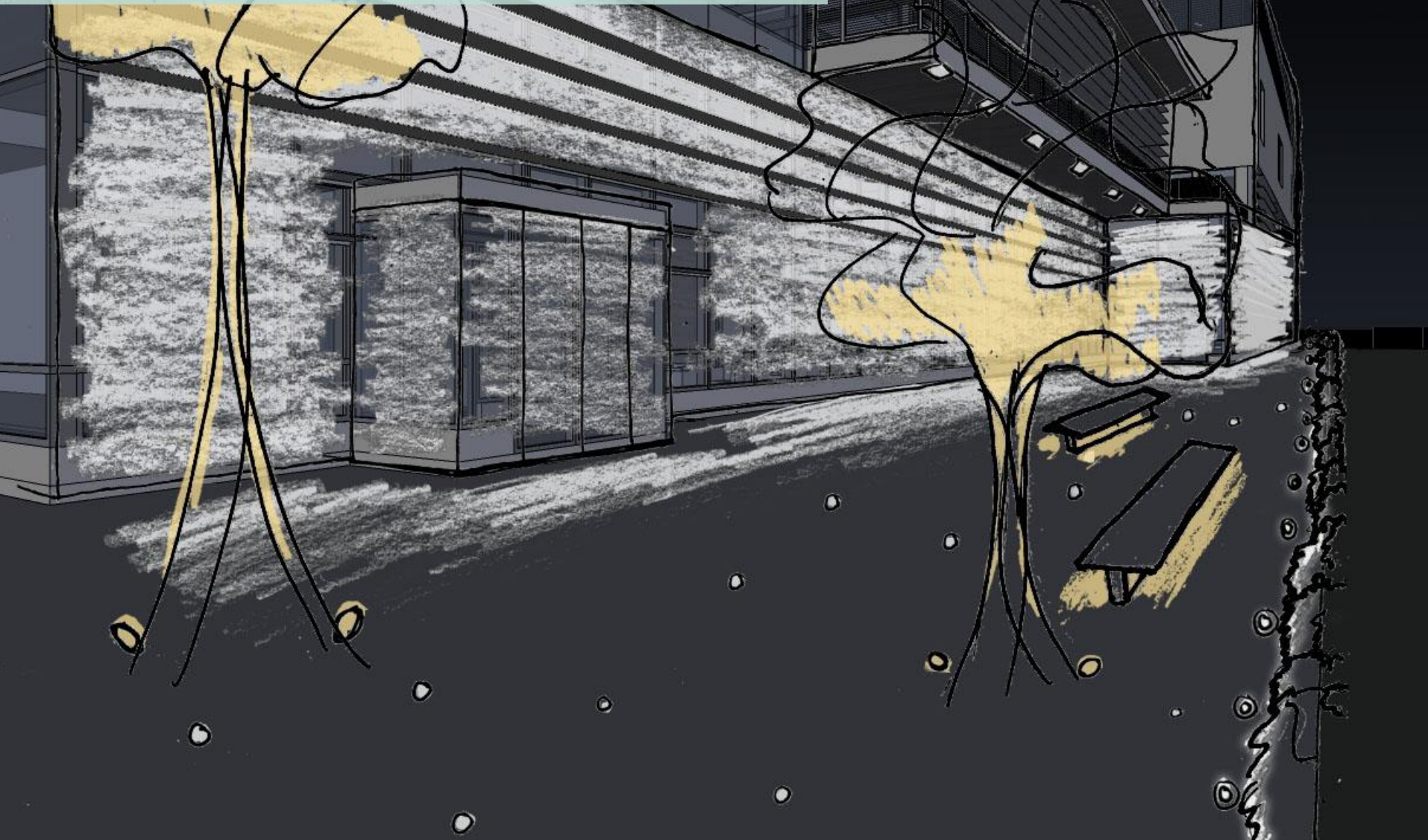
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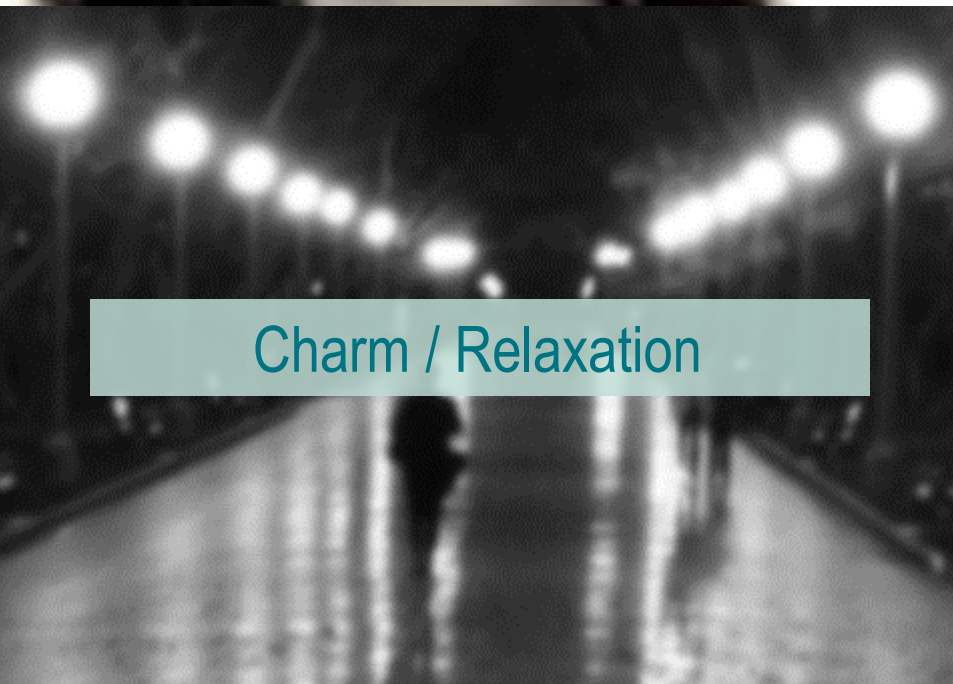




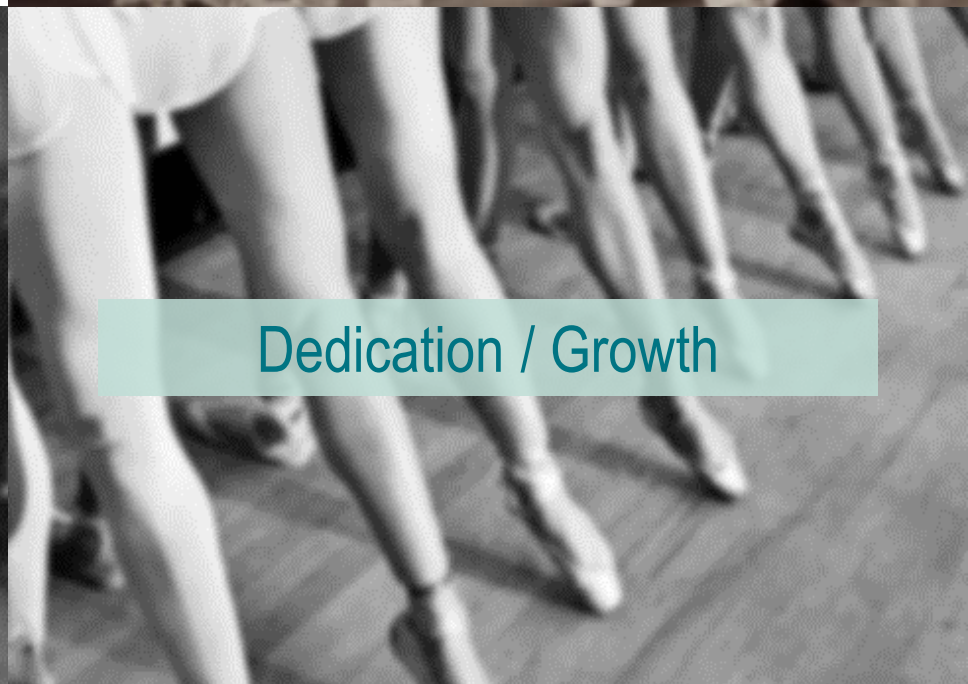
Expression / Drama



Collaboration / Study



Charm / Relaxation



Dedication / Growth







# References

All professional renderings were provided courtesy of William Rawn Associates, Architects, Inc.

Photos from: [www.designspiration.com](http://www.designspiration.com) or [www.thewinsorschool.org](http://www.thewinsorschool.org)

DiLaura, David, Kevin Houser, Richard Mistrick, and Gary Steffy. Illuminating Engineering Society The Lighting Handbook. 10th ed. IESNA, Print.

<http://www.ylighting.com/roll-and-hill-agnes-chandelier.html>

[http://www.3-form.com/ready\\_to\\_go/wall\\_features/300.16/](http://www.3-form.com/ready_to_go/wall_features/300.16/)

**Thank You**



# Support



SEE FP DWGS FOR LAYOUT



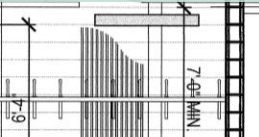
1 PLY GYPSUM BOARD FASTENED TO DECK SEE RCP

ROOF DRAIN

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SEE DUCT BLACK, TYP



LIGHTS: SEE RCP

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LADDER TO CATWALK LEVEL

SHAFT WALL BEYOND

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SEE A-6.13 FOR RAIL INTERIOR ELEVATIONS

HOUSE CIRCULATION 210

CPW#8 BEAM PENETRATION

BA CEILING @ EL: +18'-7"

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RESILIENT SEALANT @ HEAD

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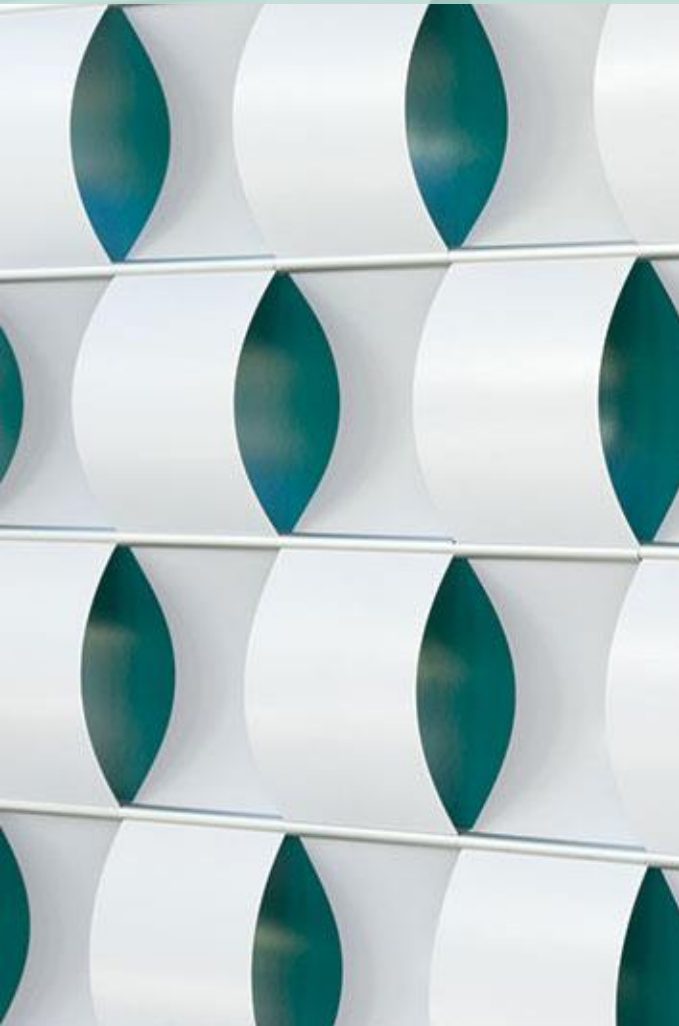
# Performing Arts Theatre

## Application Photos



# Performing Arts Theatre

More on Custom Options





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## Application Photos

