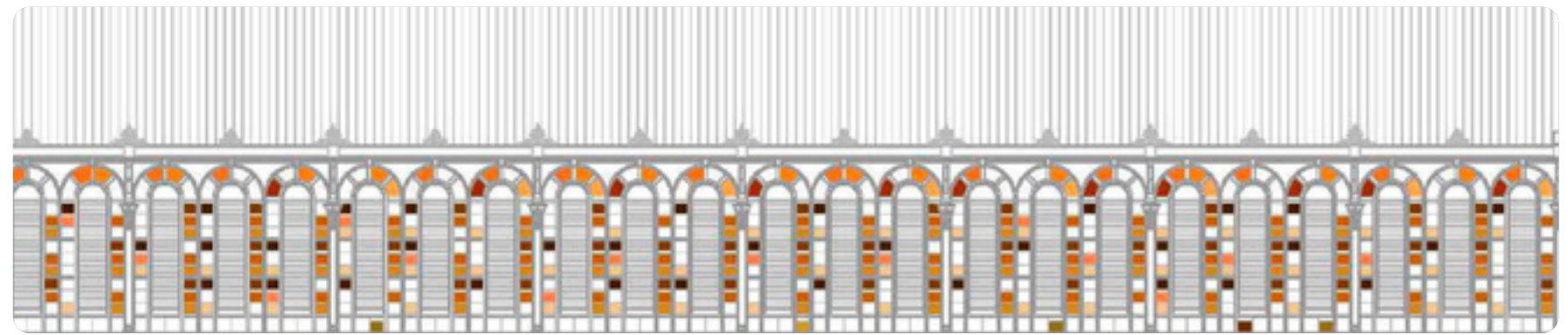


Sínia

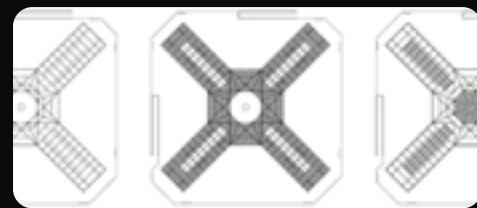
CONNECTING WITH THE PUBLIC BY RE-SIGNIFYING THE FAMILIAR



A space at the service of
the neighborhood,

a neighborhood contemplating
its history.

Analysis &

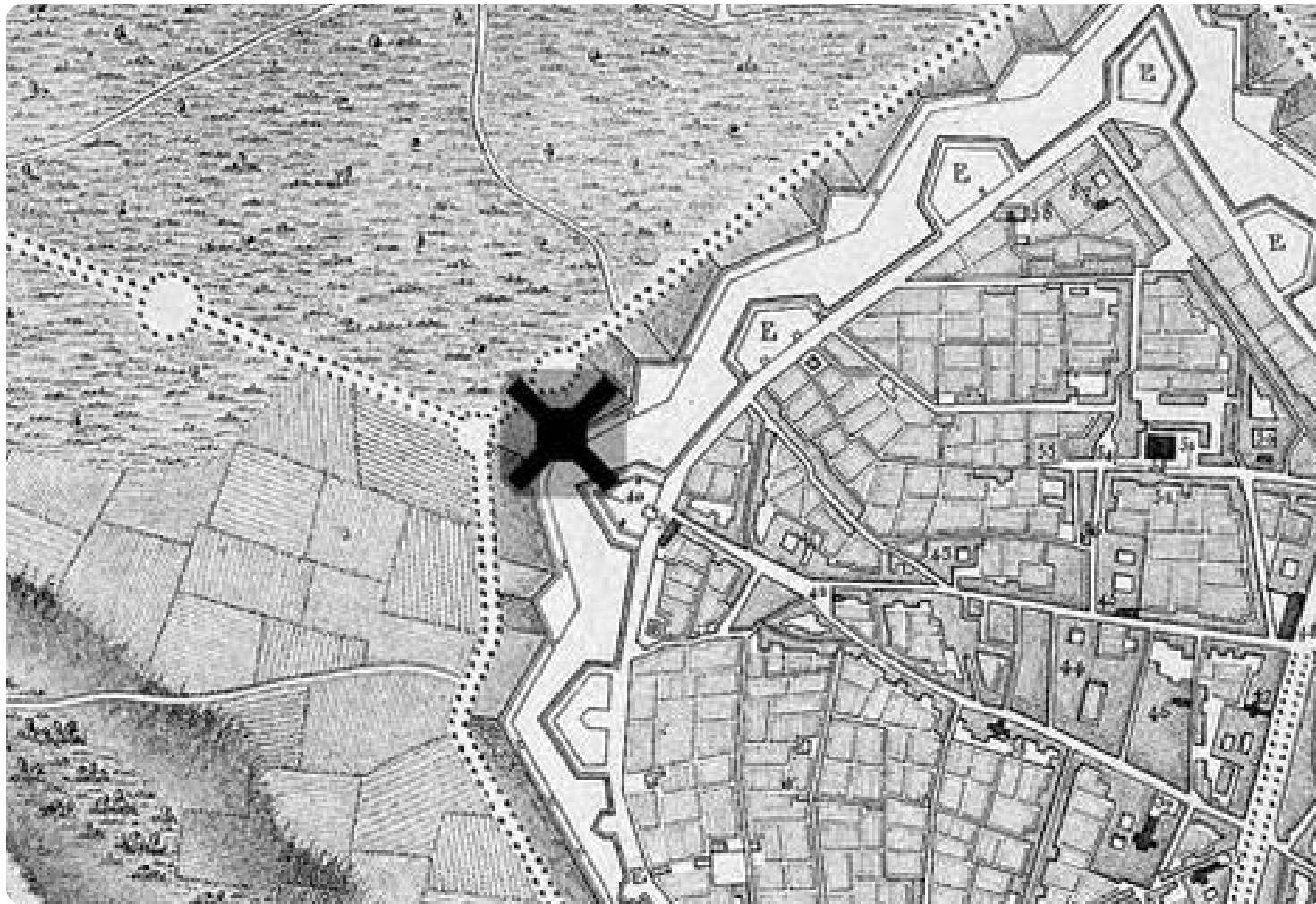


Regulations

Merçat de Sant Antoni



Mercat de Sant Antoni

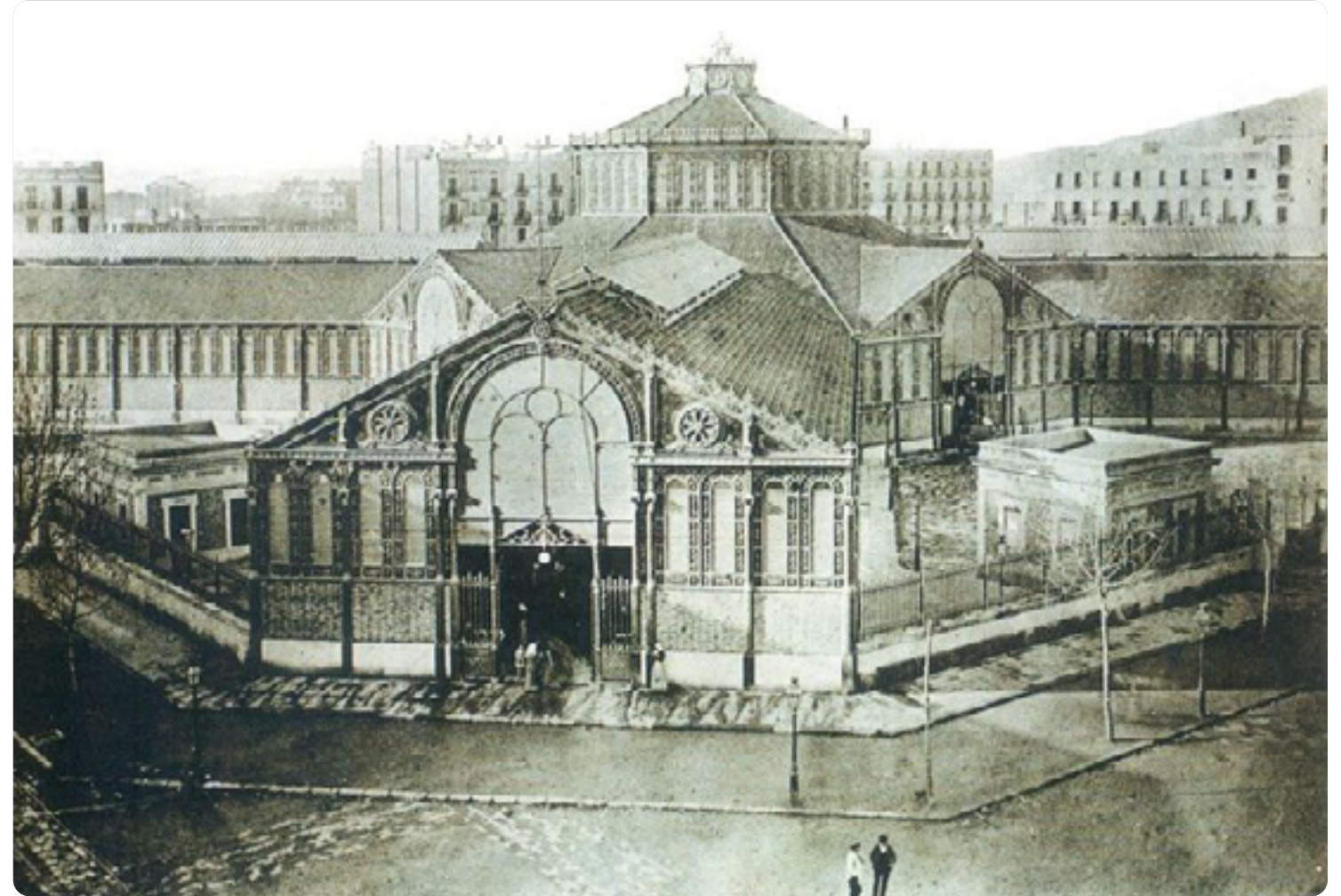


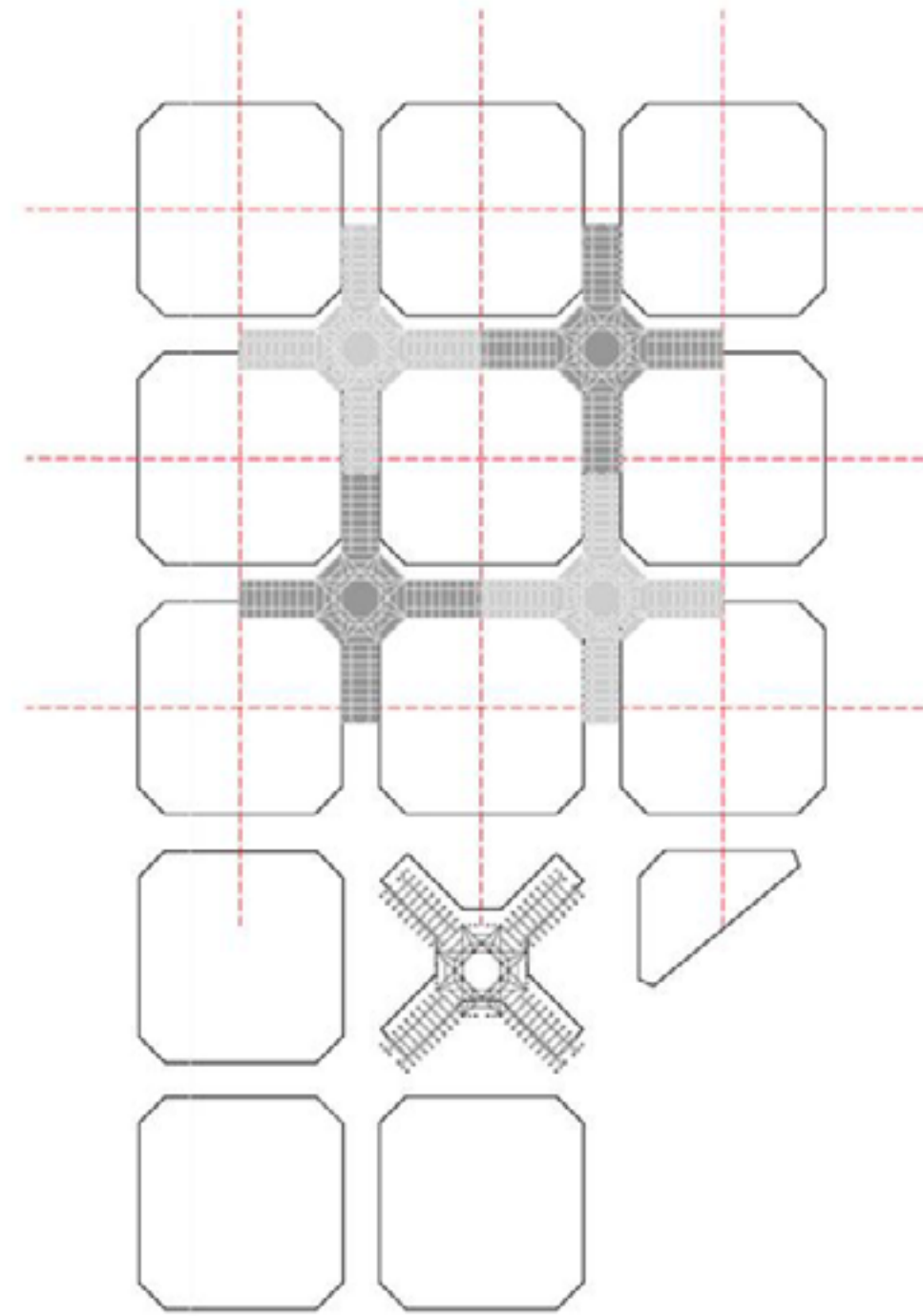
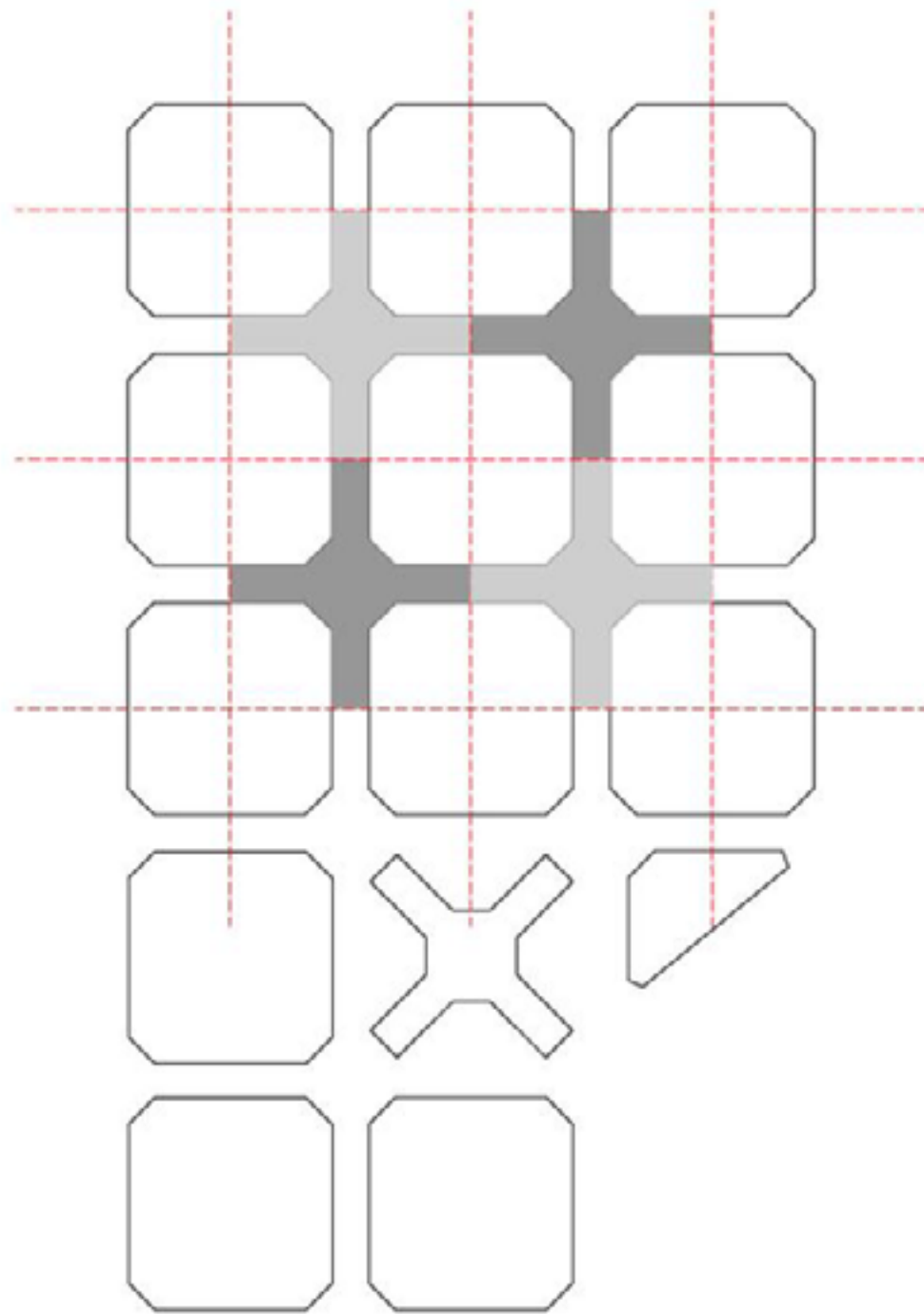
A market in its origin

Mercat de Sant Antoni

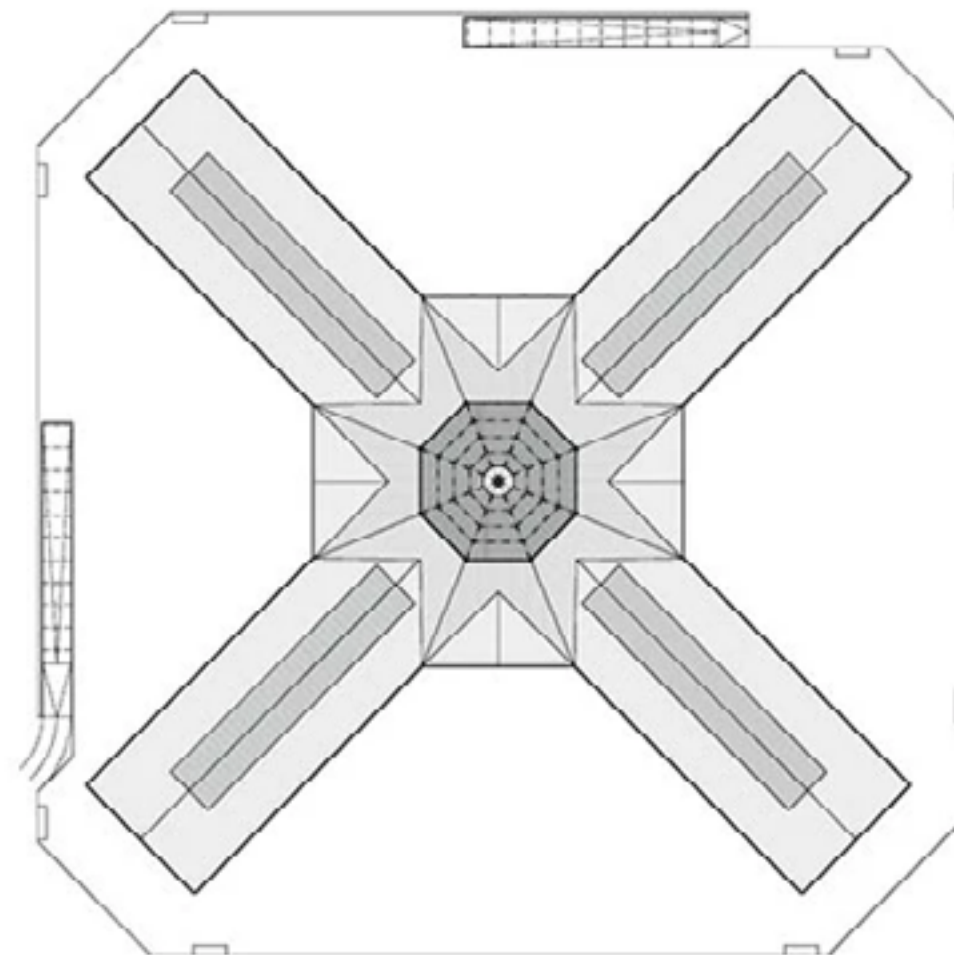
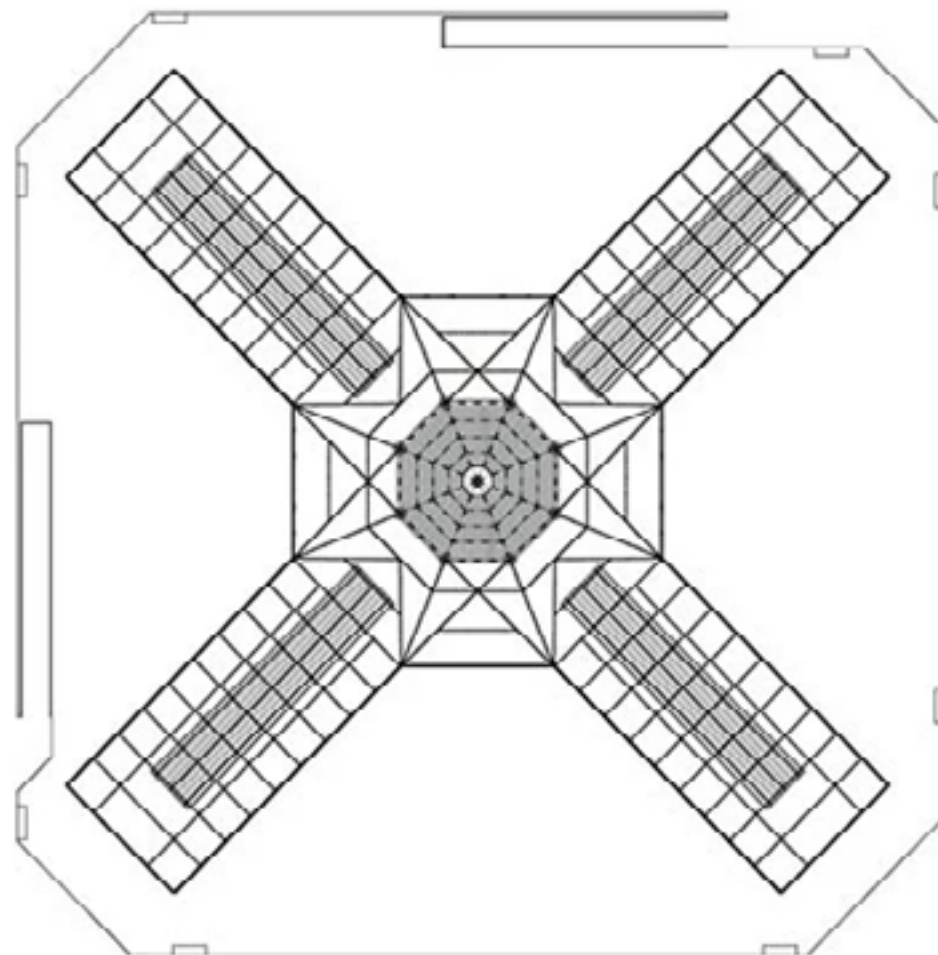
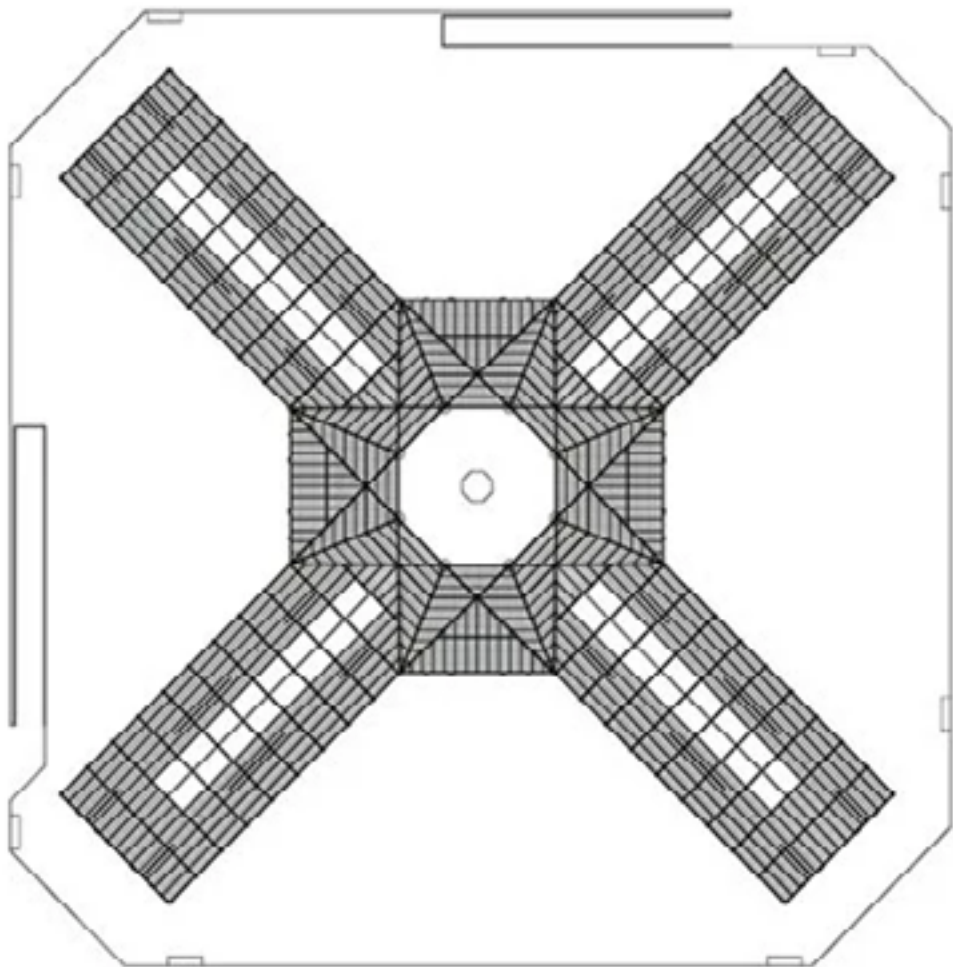
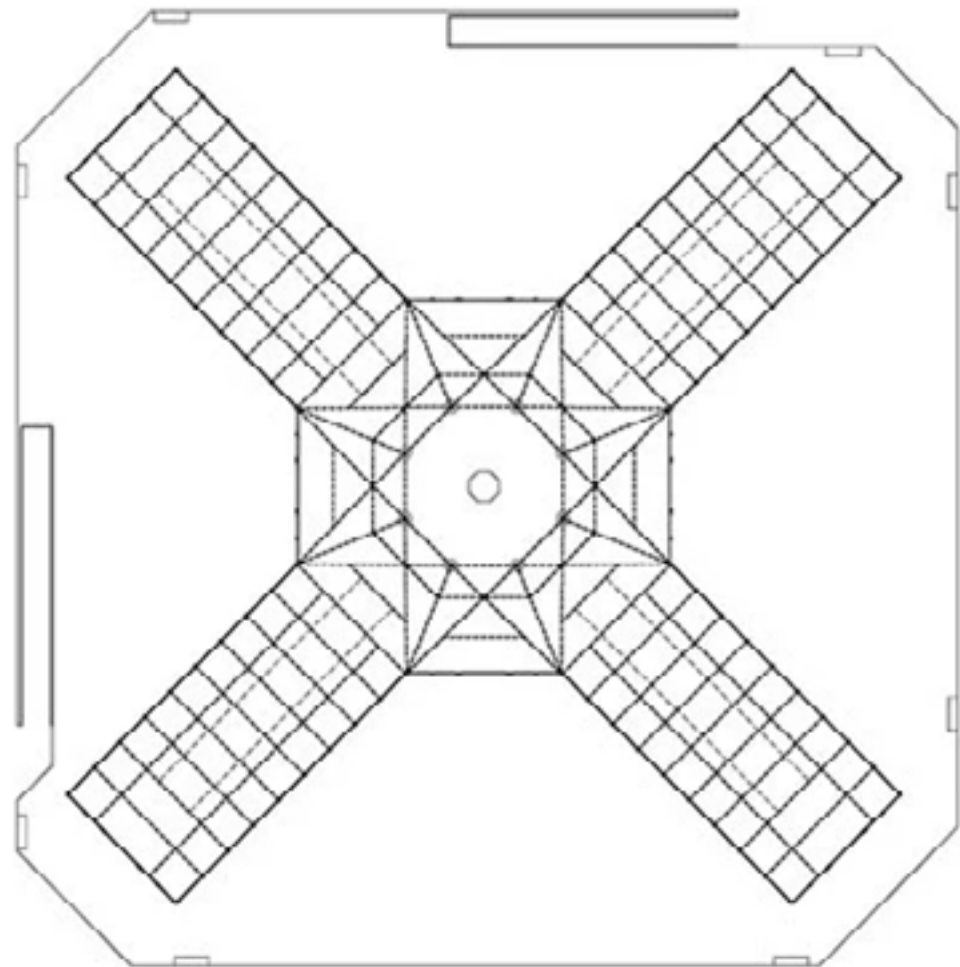


A market in its origin





The street market becomes part of the neighborhood's urban fabric



The restructuring of the renovation



The restructuring of the renovation



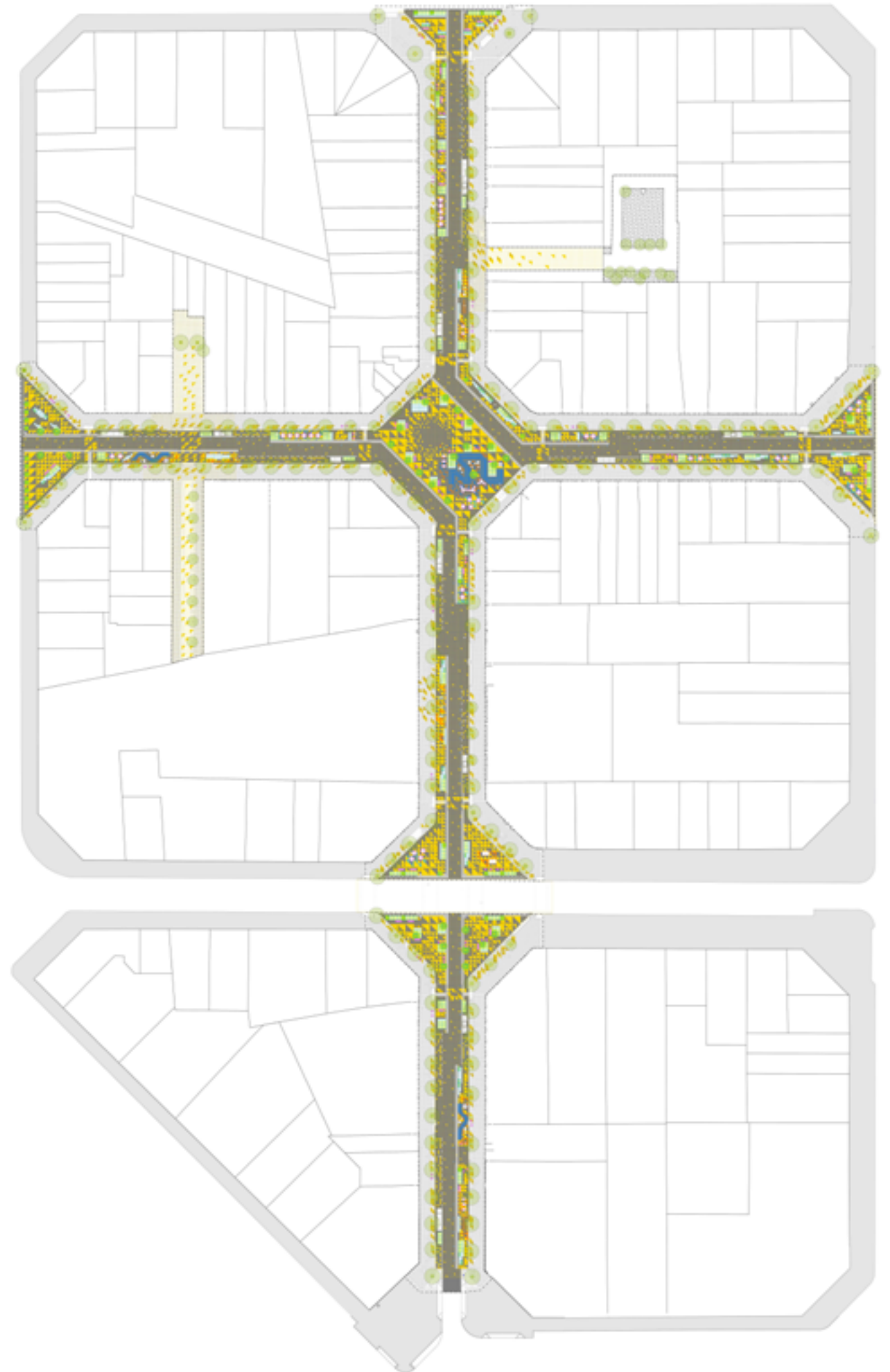
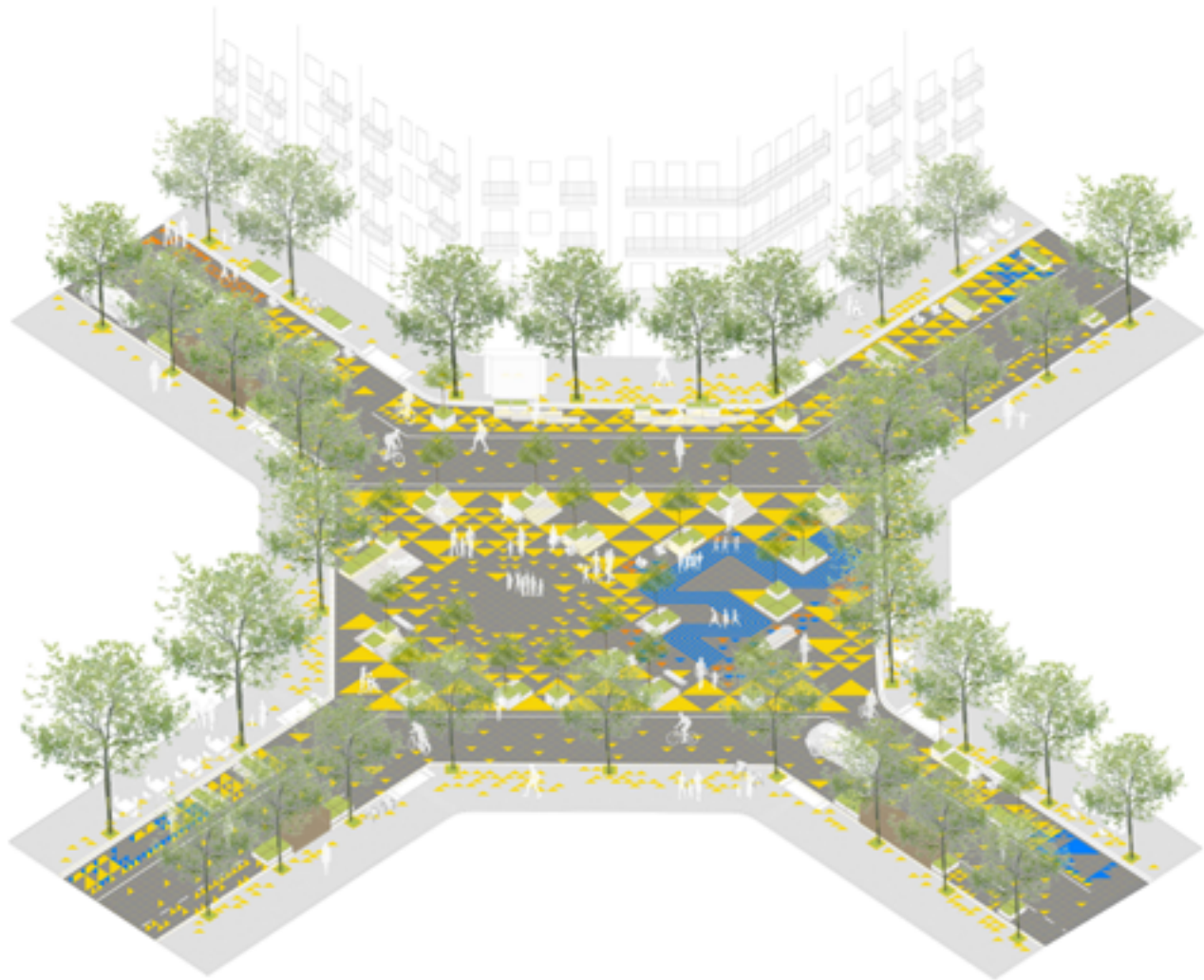
The restructuring of the renovation

Urban Context and Dinamics



SUPERILLA

Sant Antoni



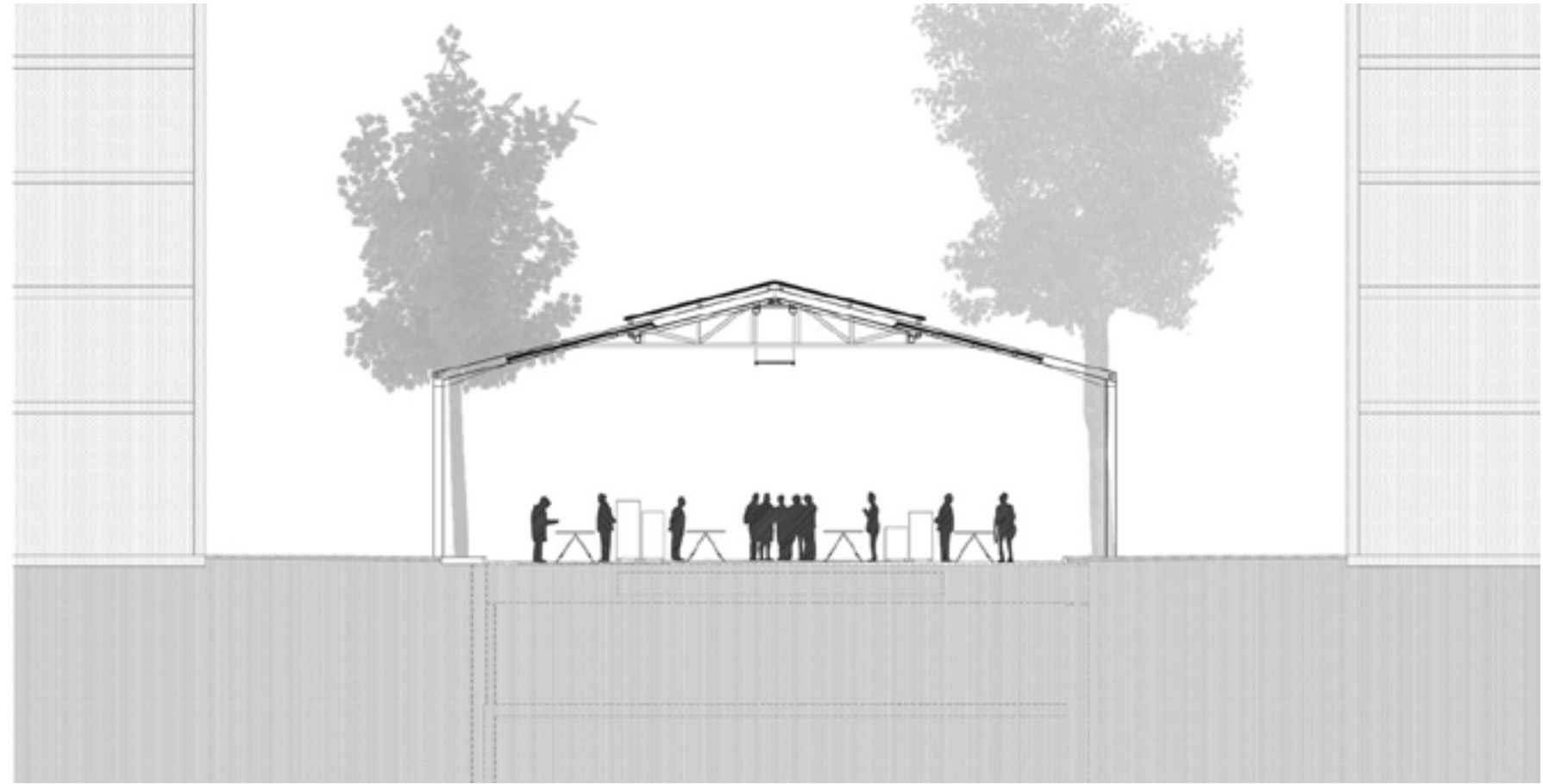
Revert the logic of the vehicle

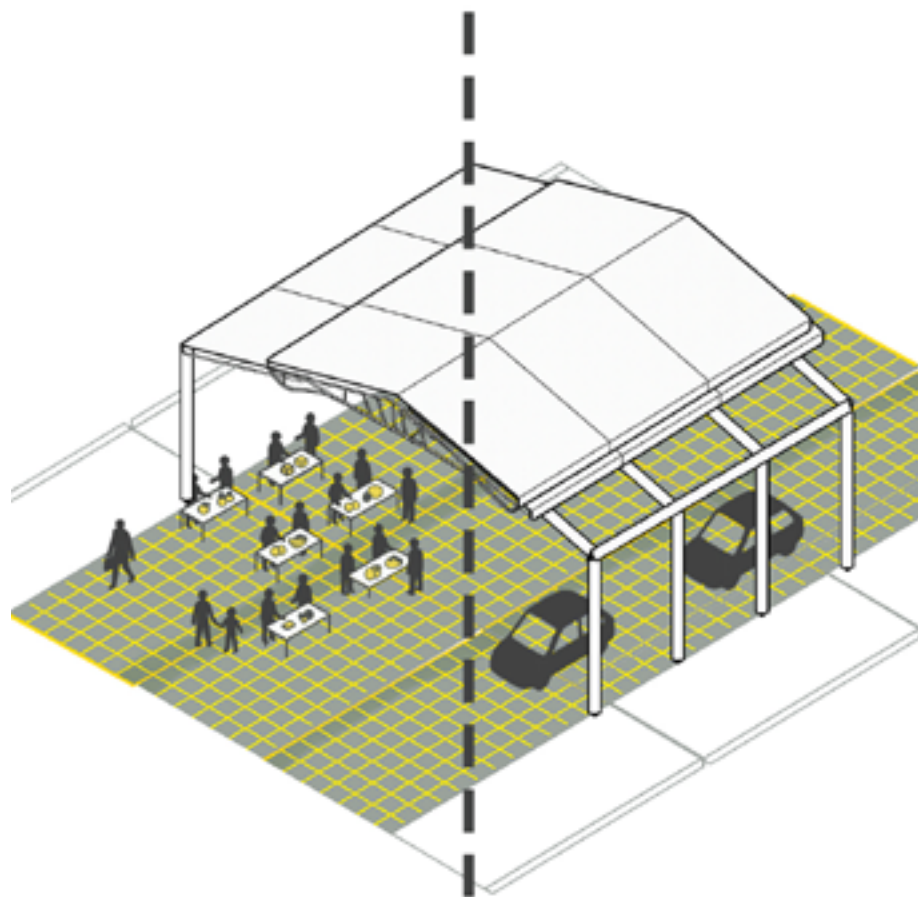
Recover the streets for the pedestrians

Participation as mean for development

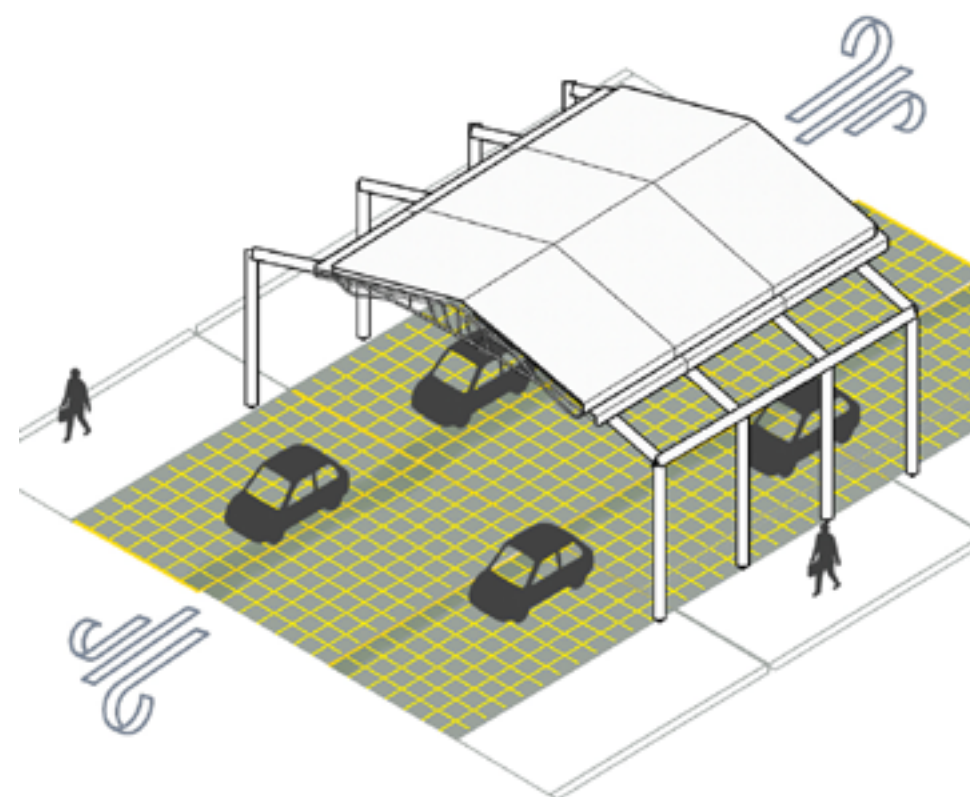


From the market to the street

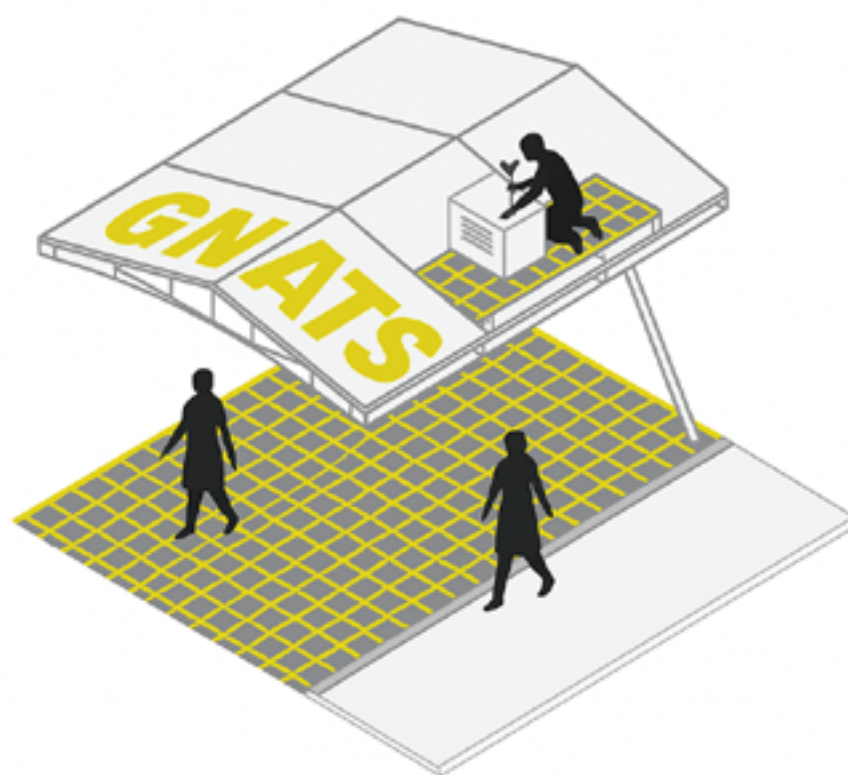




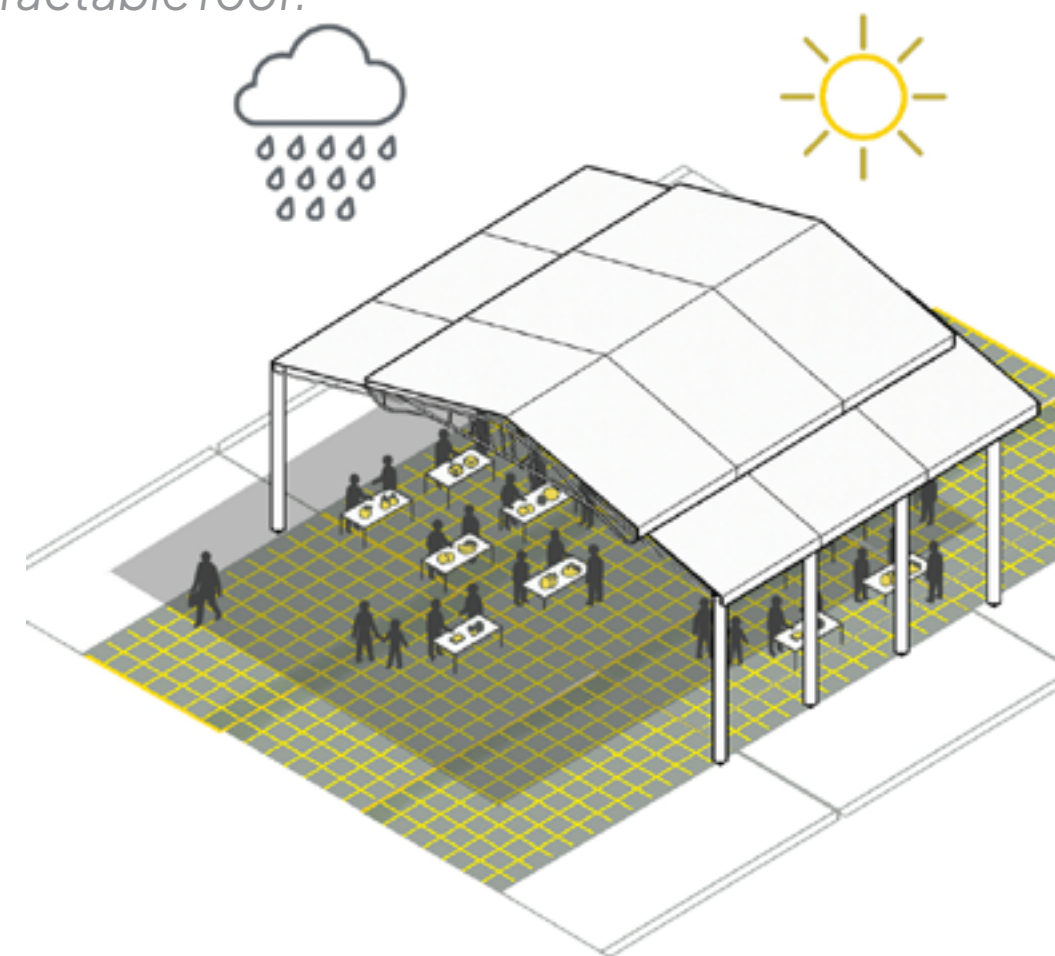
Utilitarian integration into the street.



Light and retractable roof.



Independent maintenance.



Improved climatic comfort.

Current State





Excessive height of the stalls



Monotonous and unmemorable spatial experience



Hidden building's structure

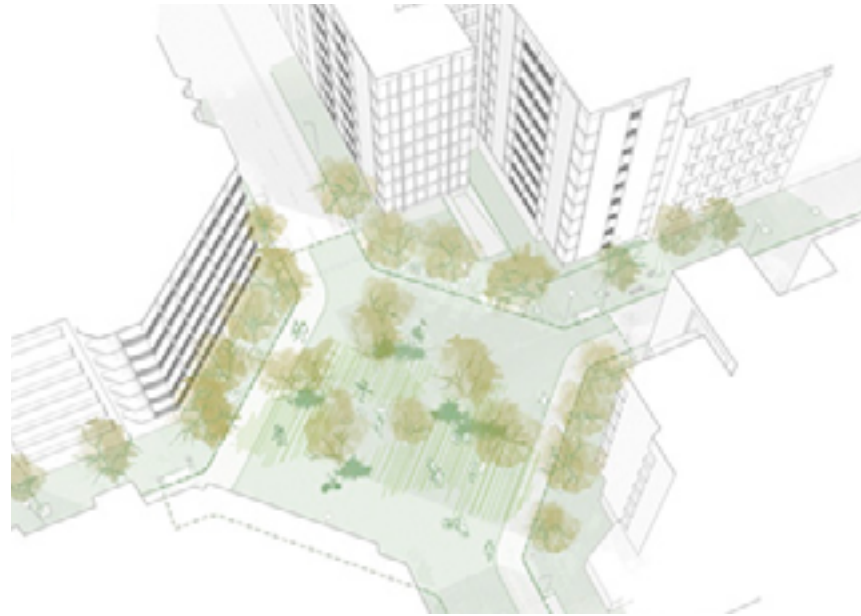


Dense arrangement of stalls





Functional confusion of the space

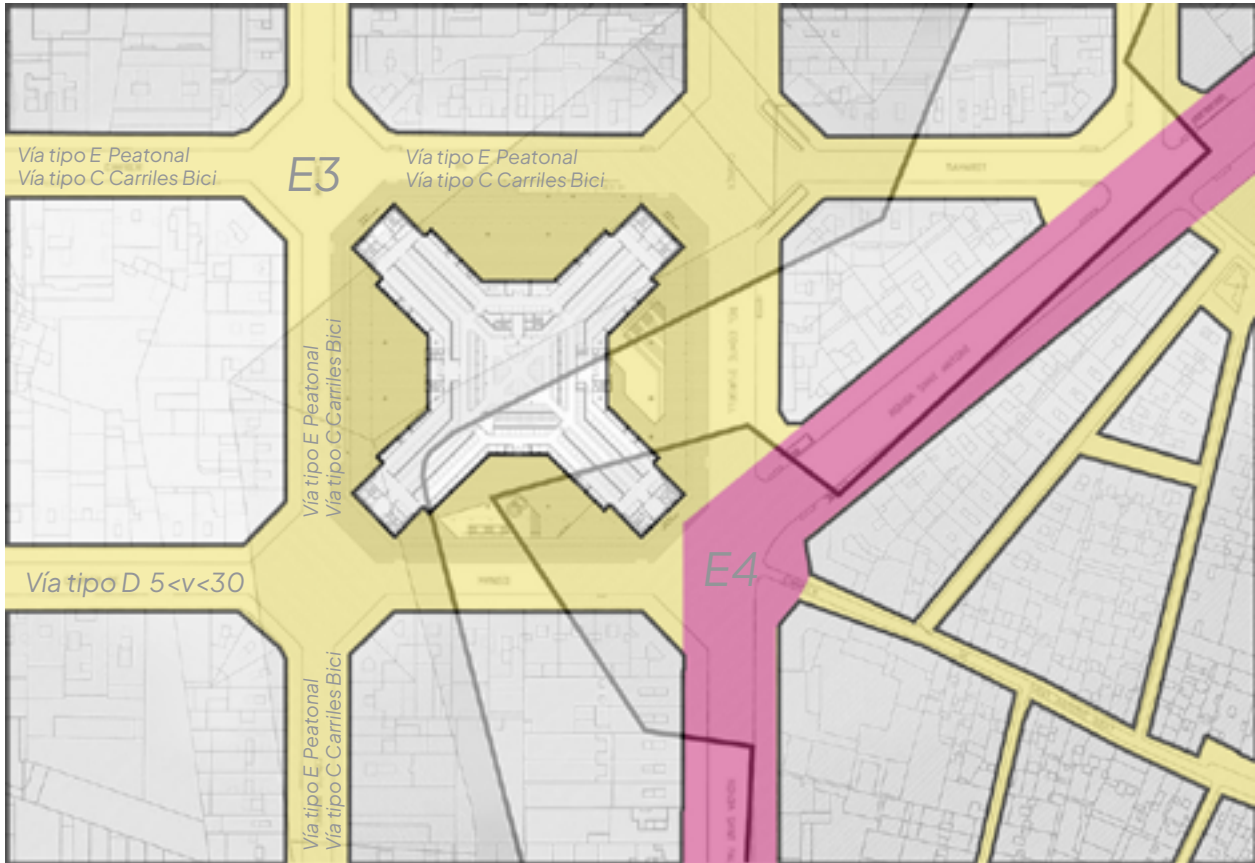


Insecurity in the coexistence between pedestrians and cyclists

Lack of shade and climatic comfort



Perception of nighttime insecurity



Regulations

The lighting design of the project is developed in accordance with current regulations, with particular attention to the **UNE-EN 12464-1:2022** standard, which sets out the requirements for indoor spaces used by the public and for work activities. This regulation governs aspects such as minimum illuminance levels, uniformity, glare control, color rendering, and the suitability of light for the specific activity.

Beyond strict compliance, the project interprets these criteria through an architectural and contextual lens, aiming to integrate technical requirements with spatial quality, visual comfort, and respect for the identity of the place. **Light is not designed merely to comply, but to support and accompany the building’s actual use.**

Número de Referencia	Tipo de actividad	Em requerido	Em modificado	Uo	Ra	RUGL	EmZ	Em Pared	Em Techo	Requerimientos Específicos
9.1	Áreas de circulación y pasillos	100lx	150lx	0.40	40	28	50	50	30	La iluminación de salidas y entradas debe proporcionar una zona de transición, para evitar cambios repentinos en iluminancia entre el interior y el exterior y la noche y el día.
9.2	Escaleras, escaleras mecánicas y cintas transportadoras	100lx	150lx	0.40	40	25	50	50	30	Iluminancia al nivel de suelo. Requiere un contraste reforzado sobre los escalones.
35.1	Area de ventas	300lx	750lx	0.40	80	22	75	75	30	Garantice una iluminación vertical suficiente en las estanterías
35.2	Área de cajas	500lx	1000lx	0.60	80	19	100	75	30	
35.4	Área de almacenamiento	300lx	500	0.40	80	25	50	-	-	

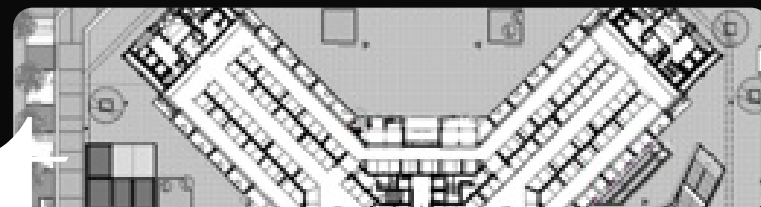
EXTERIORES

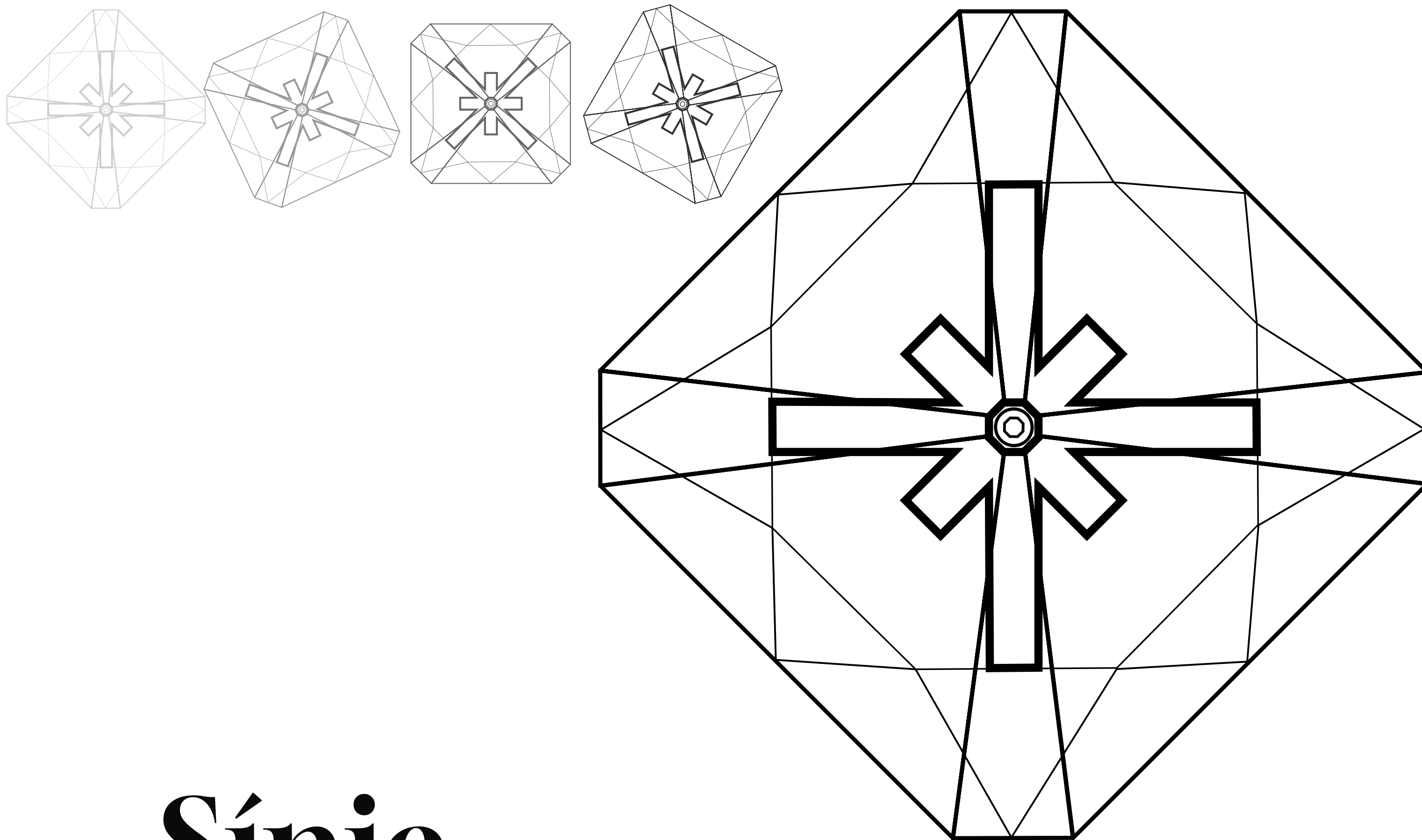
CLASE	Tipo de actividad	Em requerido	Emin	Uo
S1	Peatonal o Bici Alto	15	5	0,40
S2	Peatonal Normal o Bici	10	3	0,40
S3	Alto	7.5	1.5	0,40
S4	Peatonal o Bici Normal	5	1	0,40
CE1A	Peatonal o Bici Normal	25		0,40
CE2	Peatonal Alto/+Elev. Prestigio	20		0,40
	Peatonal Alto/Elev. Prestigio			

LUZ INTRUSA

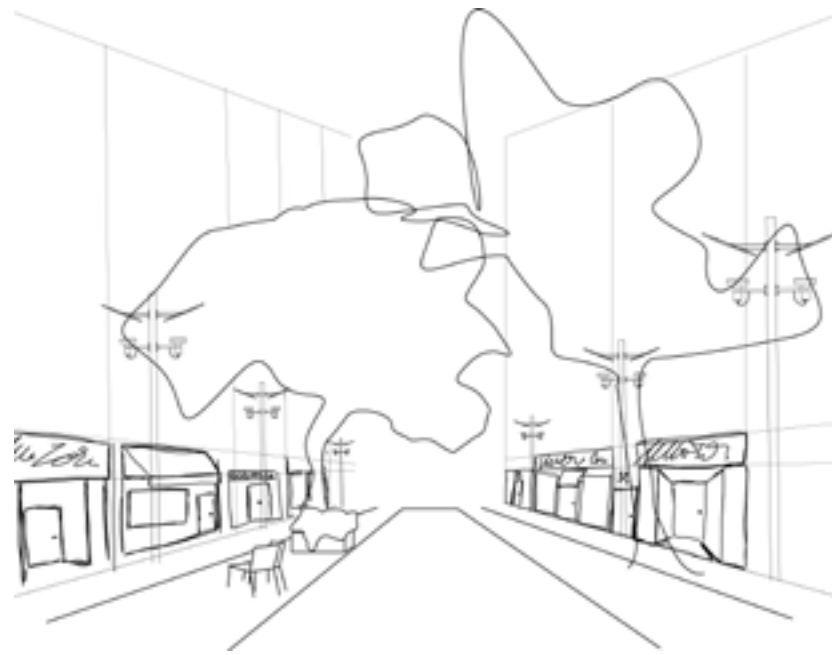
Zona	Iluminancia vertical (Ev)	Intensidad luminosa (I)	Luminancia media fachadas (L _{mf})	Luminancia máxima fachadas (L _{maxf})	Luminancia máx. señales (L _{max})	Incremento umbral contraste (TI)	Clase de alumbrado
9.1	10 lux	10.000 cd	10 cd/m²	60 cd/m²	800 cd/m²	TI ≤ 25% para adaptación a L = 2 cd/m²	ME3 / ME4

Concept





Sínia

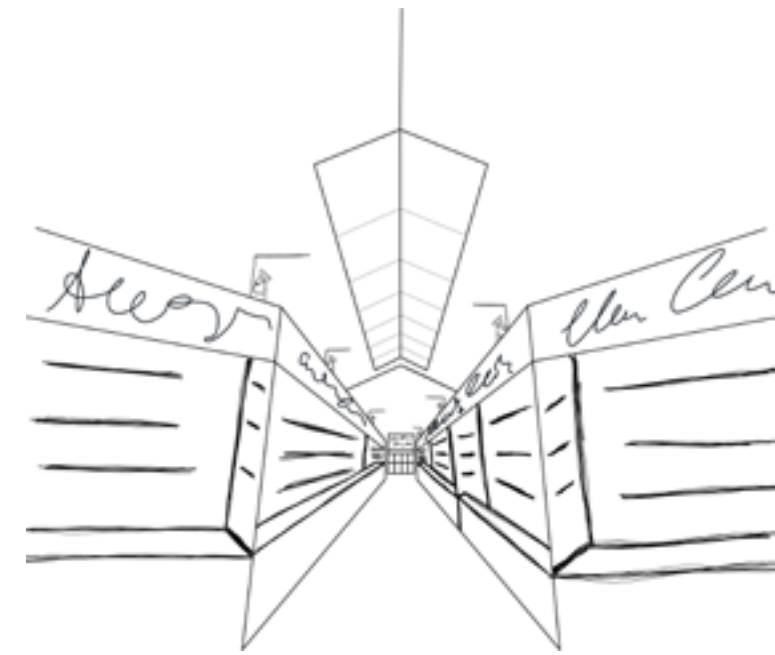


Street



Sinia

Feedback



Market

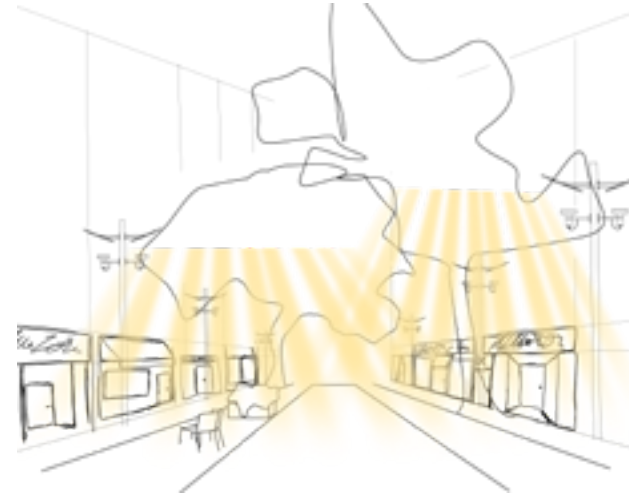
Sinia Concept

The first gesture is to **acknowledge the space**, recognizing how its monument and boundaries define it.

*BOUNDARY LIGHT
- NEIGHBORHOOD
REFERENCE*

1

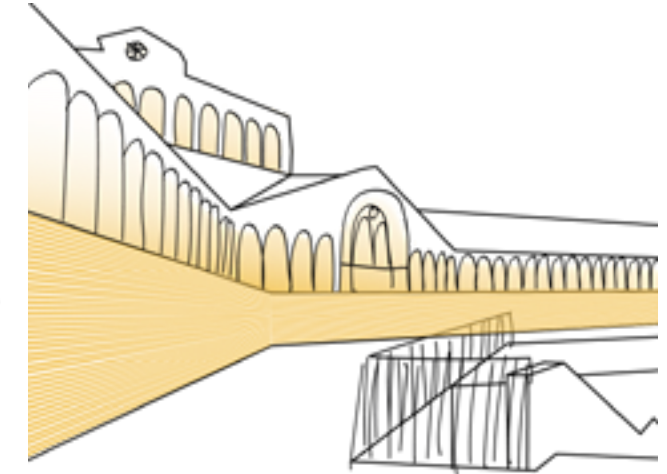
Street



Filter



Market



2

Exchange



The second gesture is to **recognize the place and the path as integral to it**—and to restore human circulation. The staggered (“tresbolillo”) layout reinforces the diagonal flow of pedestrian movement that once yielded to cars; within the market, it enhances the encounter between stalls. Lower lights invite to discover rest and contemplate.

*LIGHT FOR GUIDE, DISCOVERY
AND ORDER*

3

Street



Quincunx

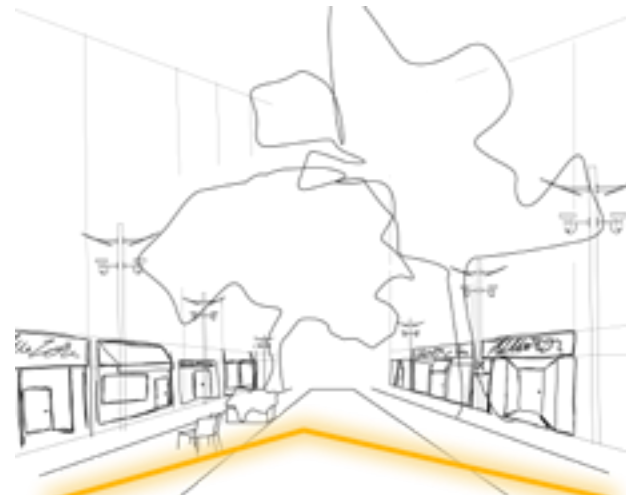


Market



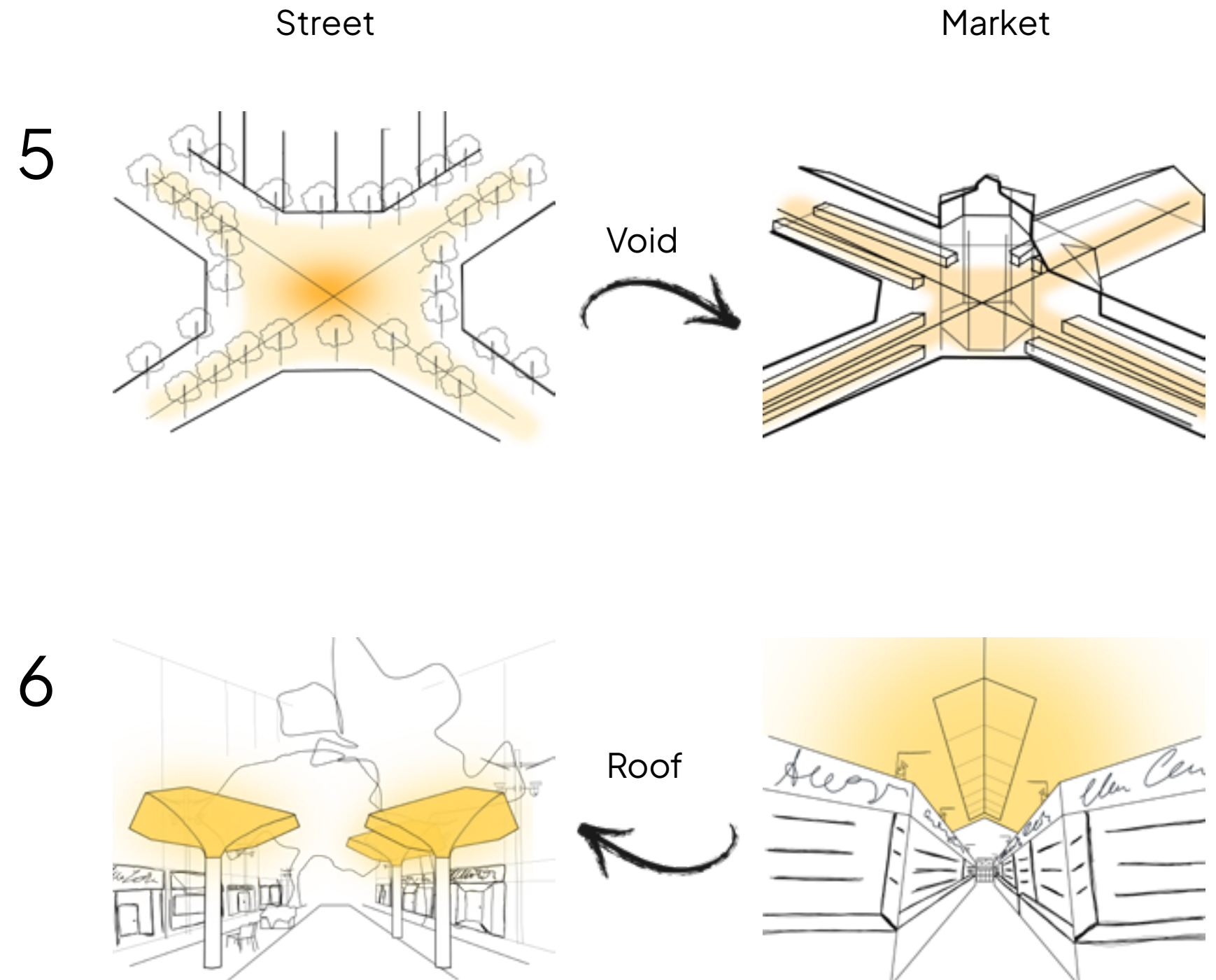
4

Grounding

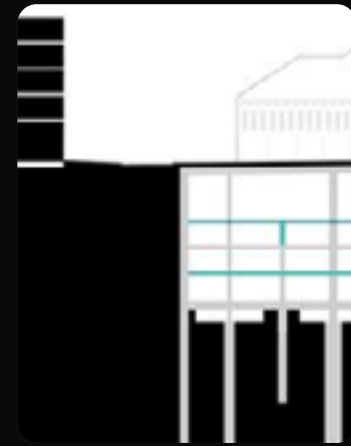


It is about recognizing the market as a roofed street intersection— and thus **liberating the crossing** to become a place of gathering and orientation, a true panoptic axis. It means **extending** the comfort and security of the **market's canopy** beyond its walls.

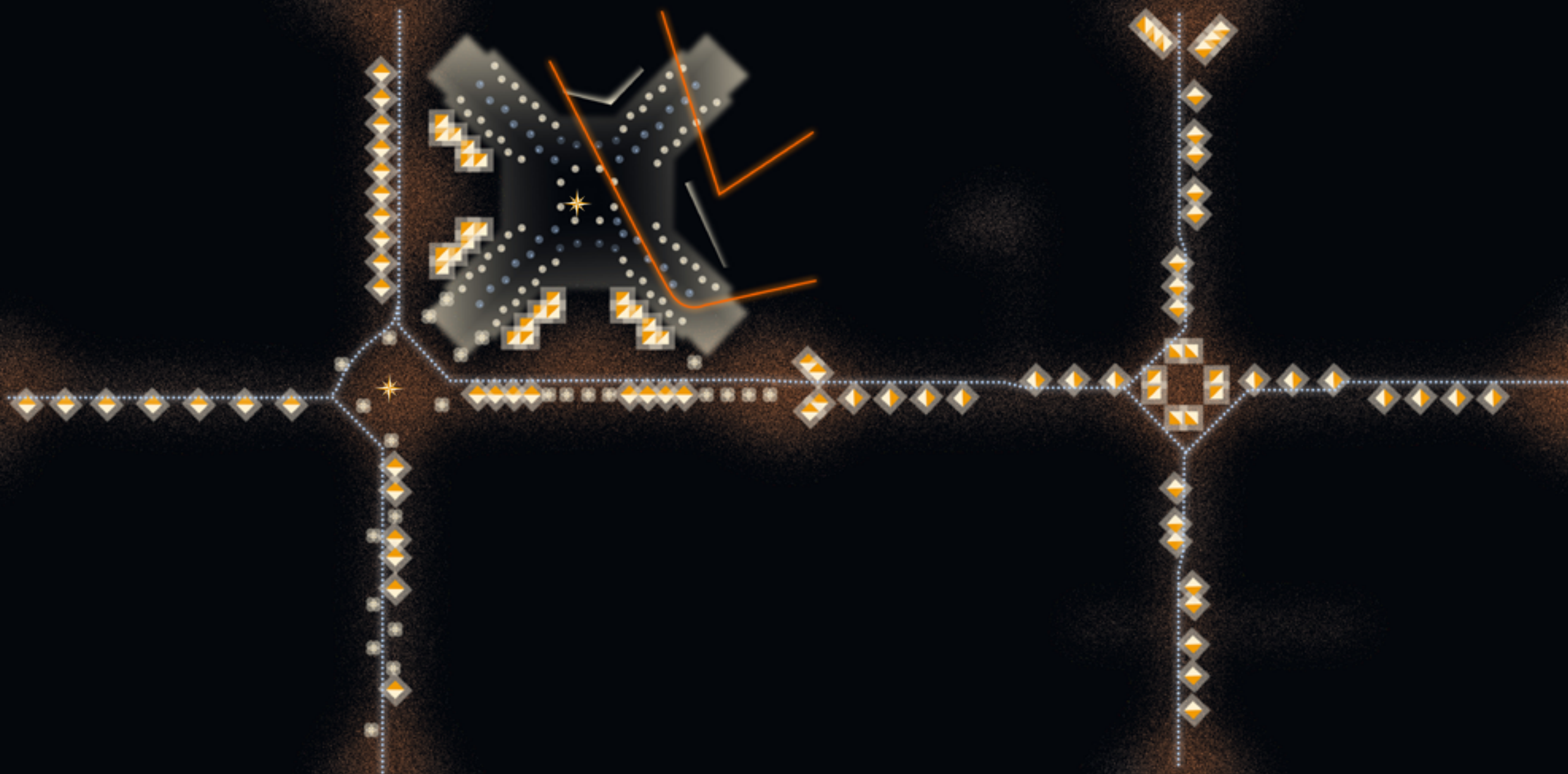
*LIGHT OF ATTRACTION AND
LINGERING*



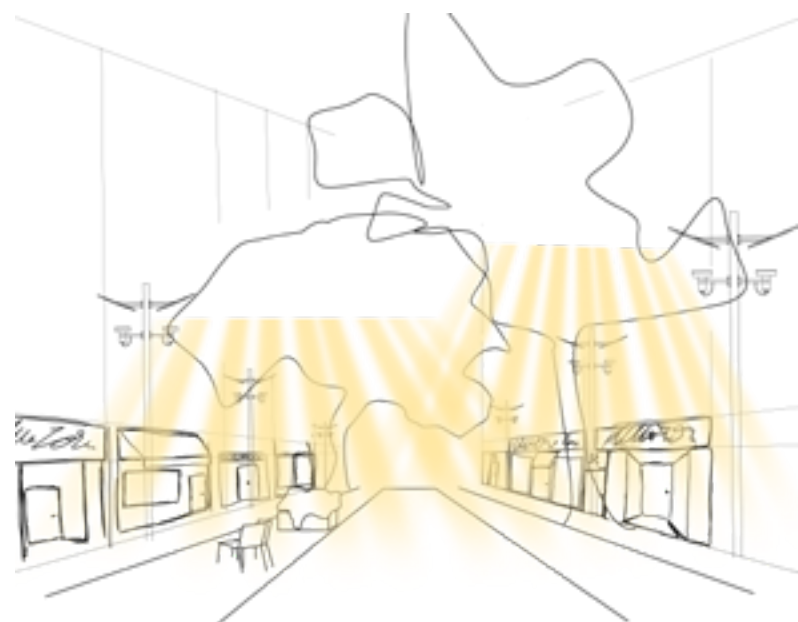
Master Plan





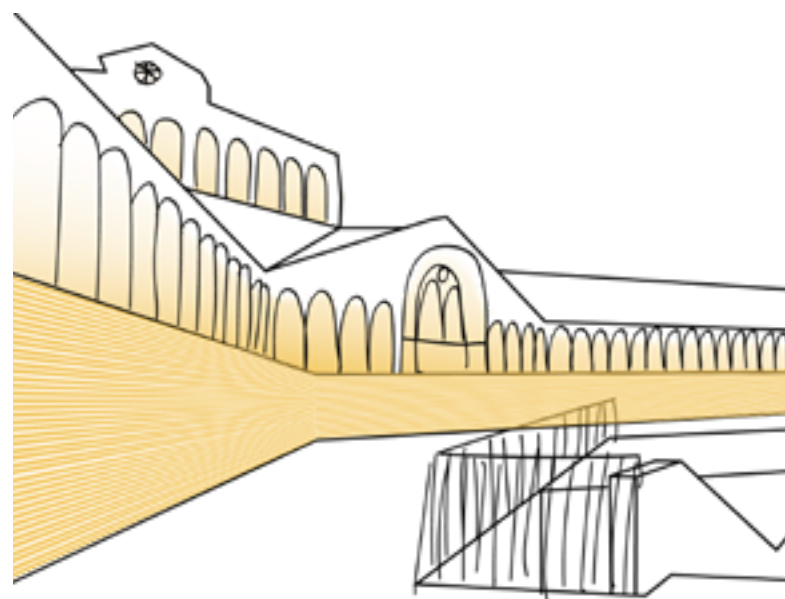


1



Street

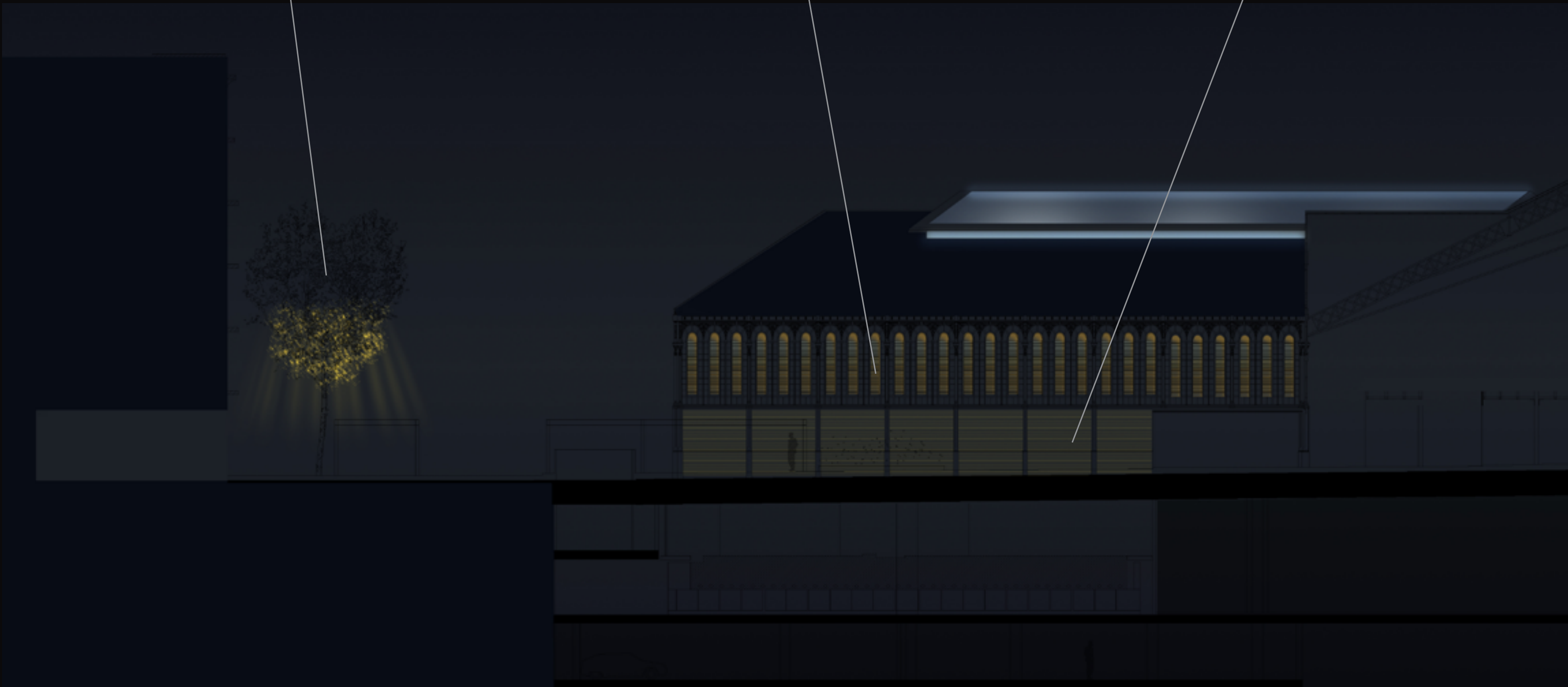
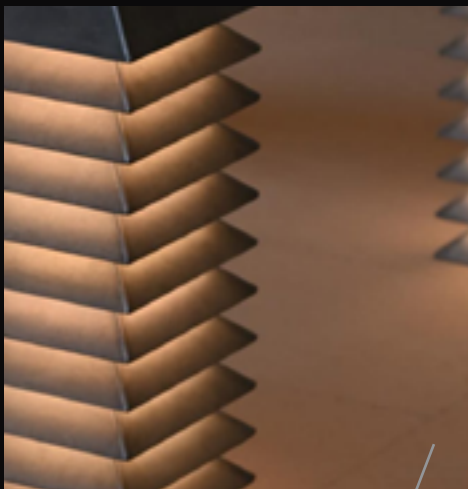
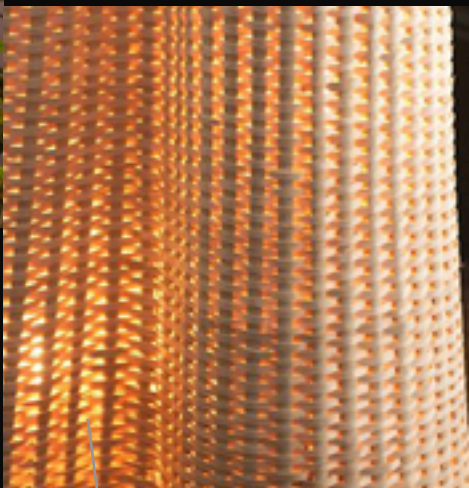
Filter



Market

Filtered light, close, almost domestic.

BOUNDARY LIGHT – NEIGHBORHOOD REFERENCE

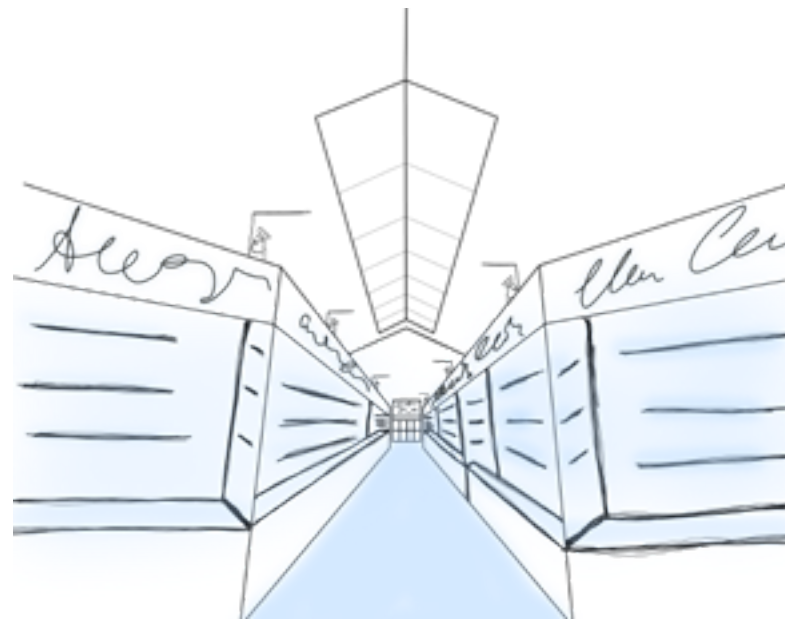


2



Street

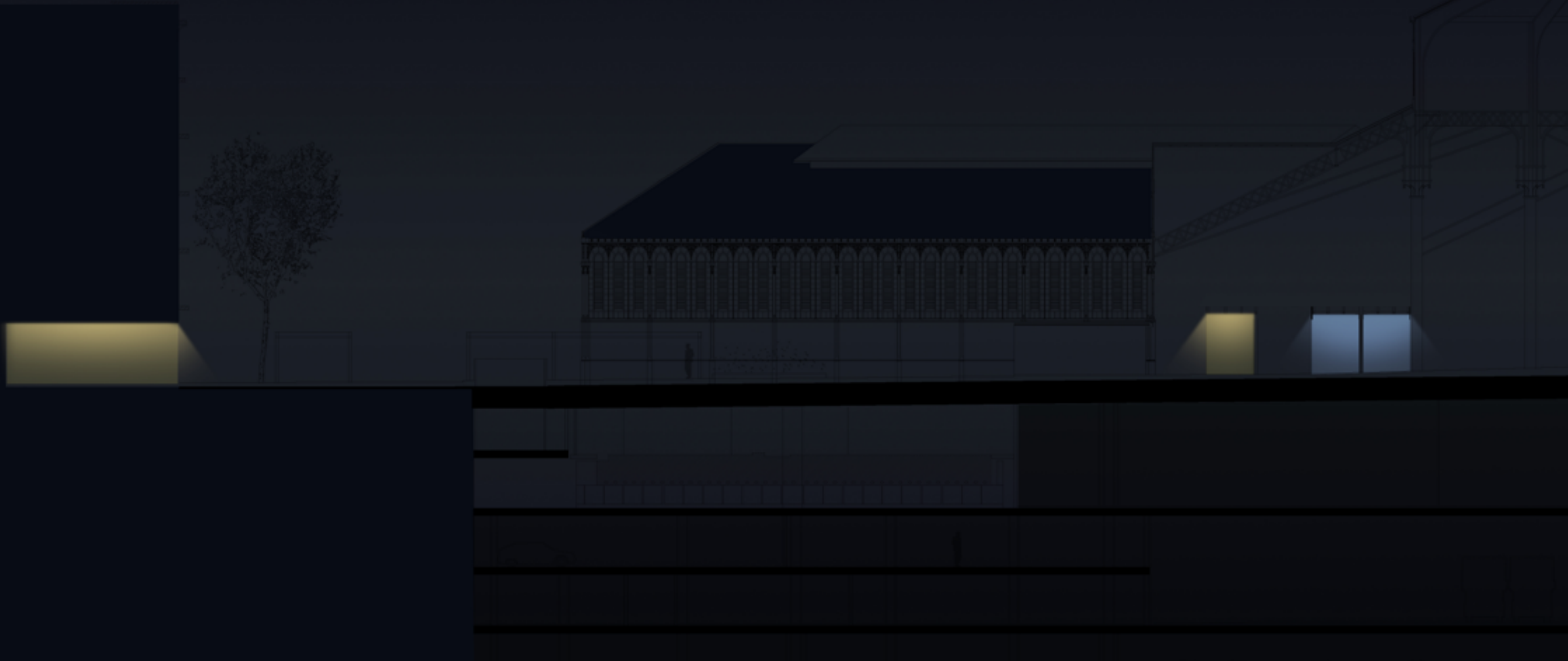
Exchange



Market

Commercial activity.

BOUNDARY LIGHT – NEIGHBORHOOD REFERENCE



3



Street

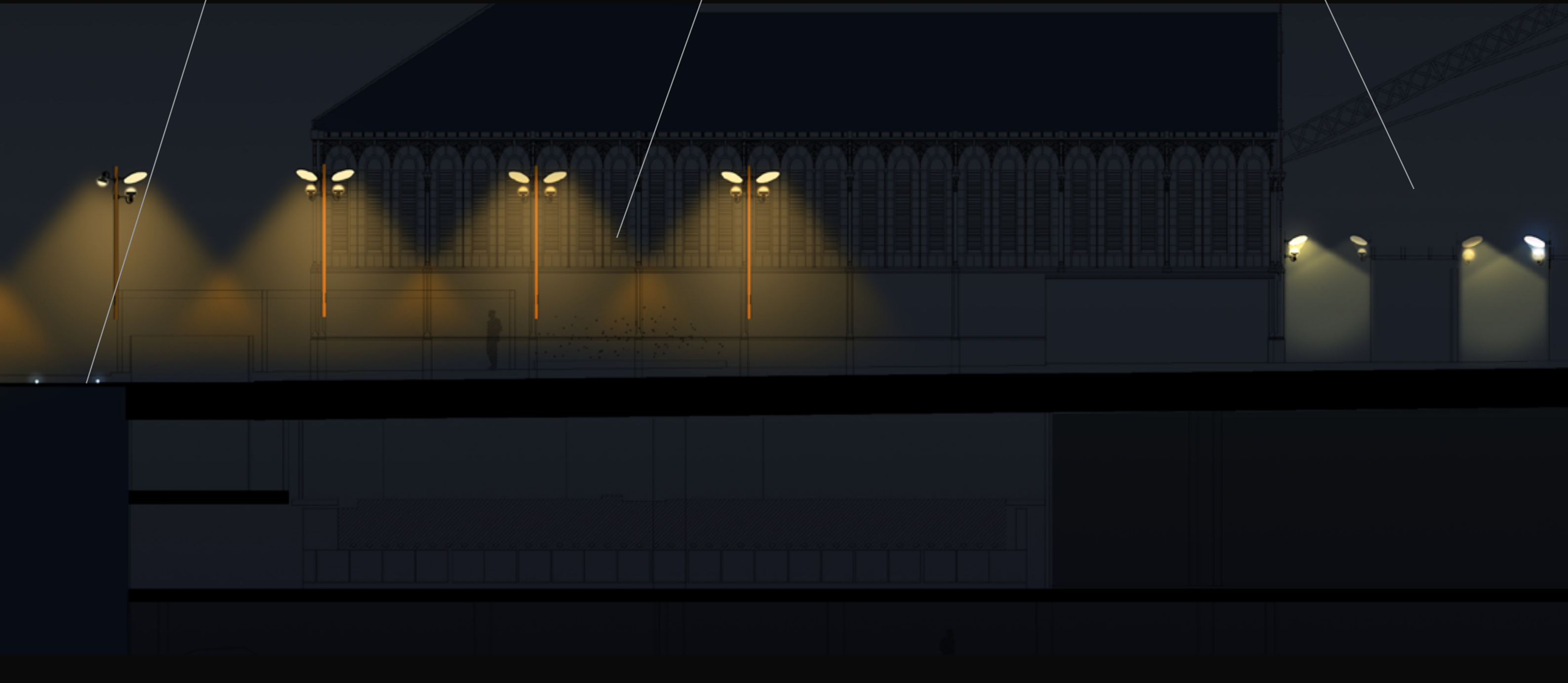
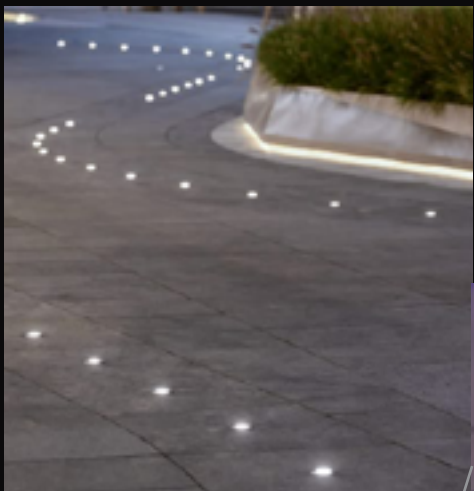
Quincunx



Market

Staggered pattern. Visual rhythm suggests movement and facilitates circulation.

LIGHT FOR GUIDE, DISCOVERY AND ORDER



4



Street

Heritage



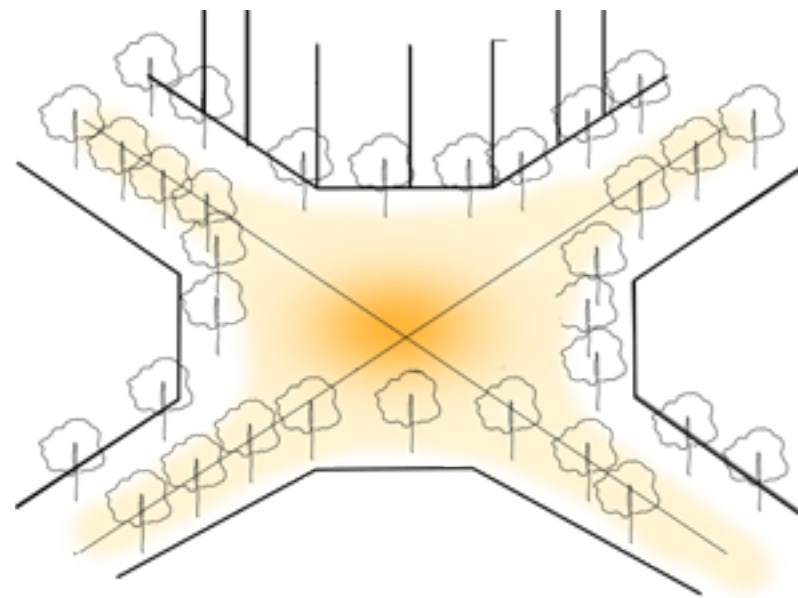
Market

Heritage discovered by accident.

LIGHT FOR GUIDE, DISCOVERY AND ORDER

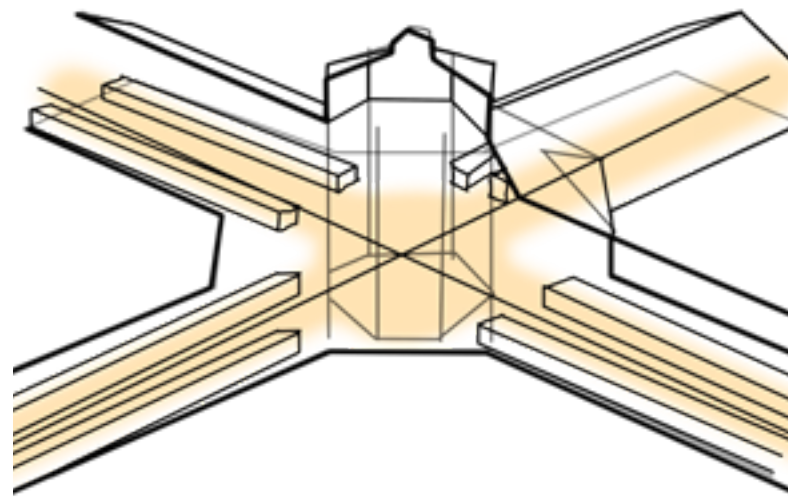


5



Street

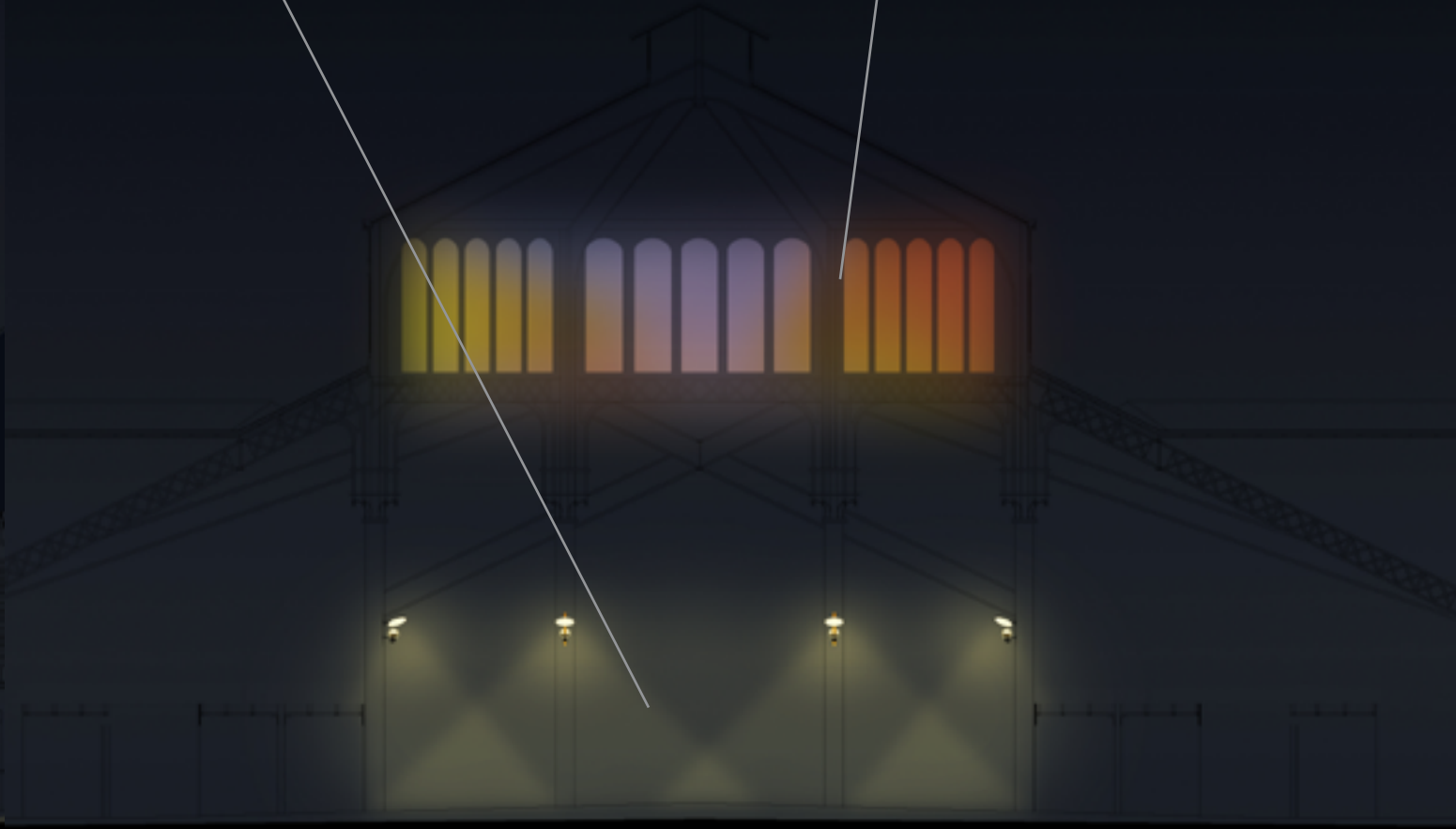
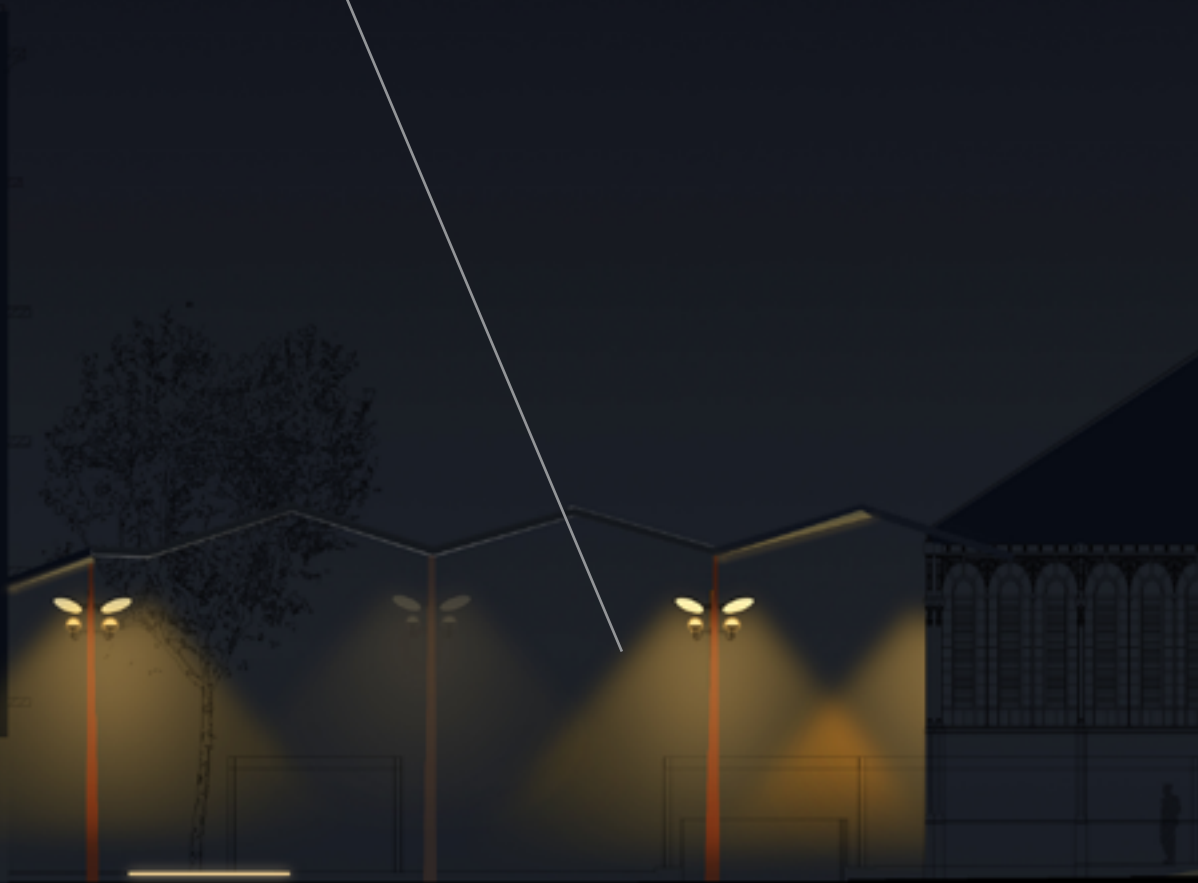
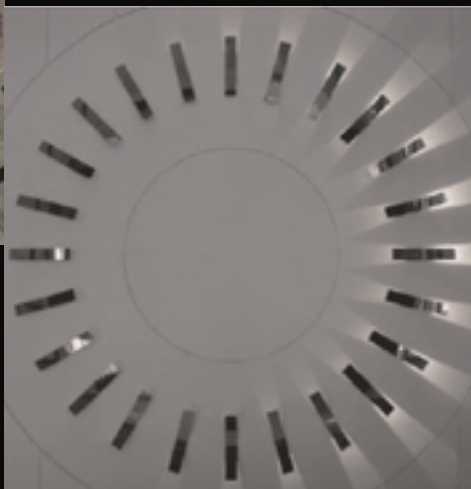
Void in
center



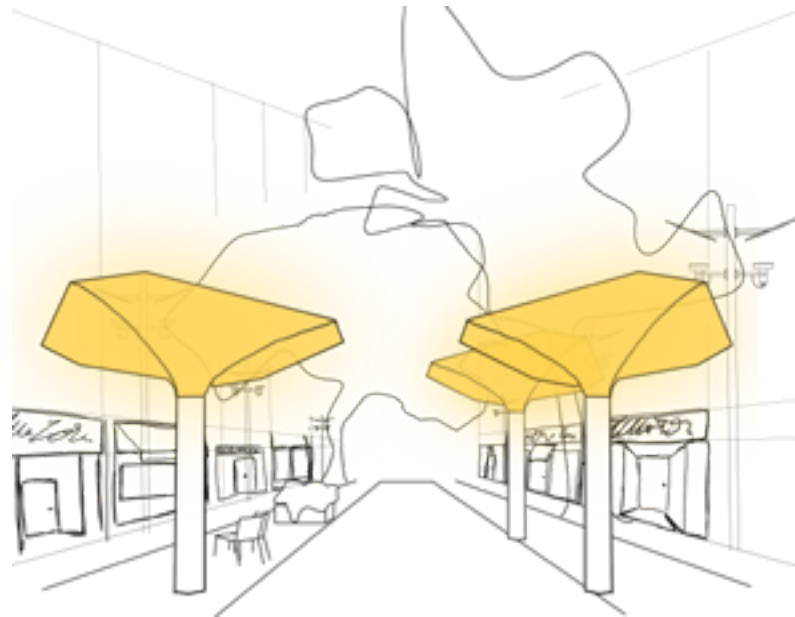
Market

Luminous reference at the heart of
the market.

LIGHT OF ATTRACTION AND LINGERING

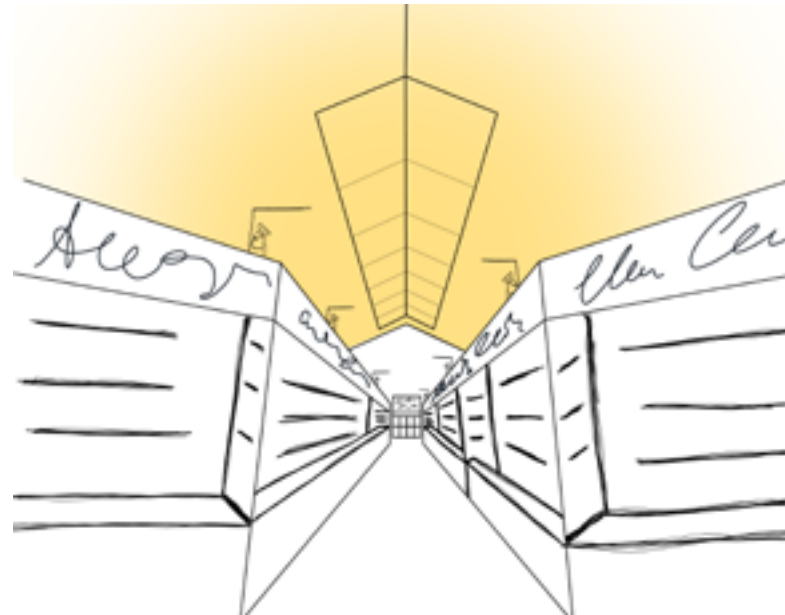


6



Street

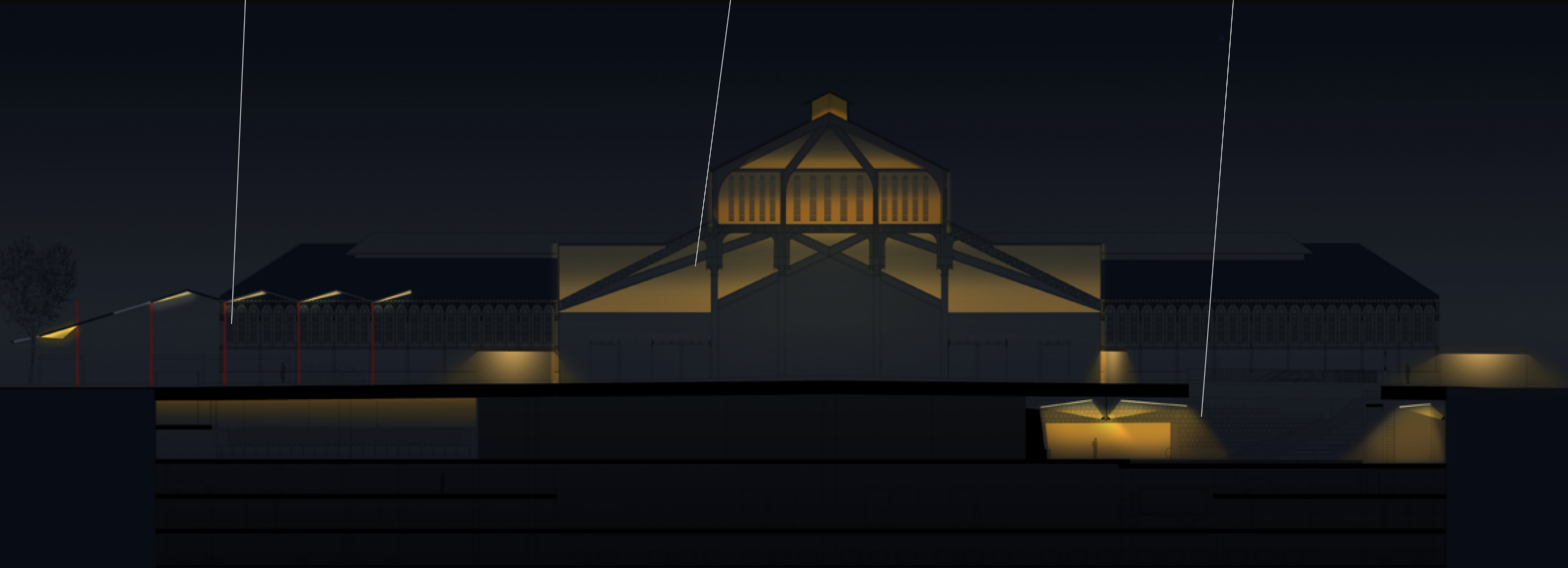
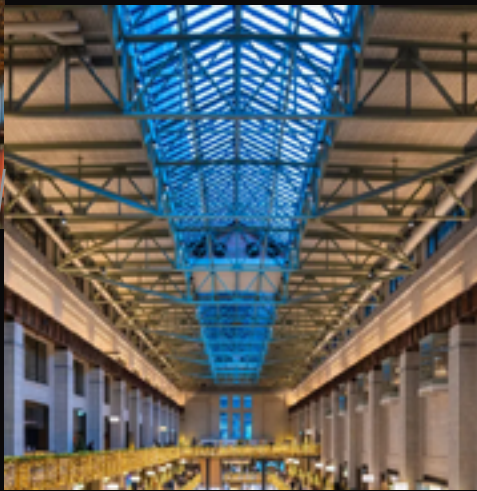
Roof



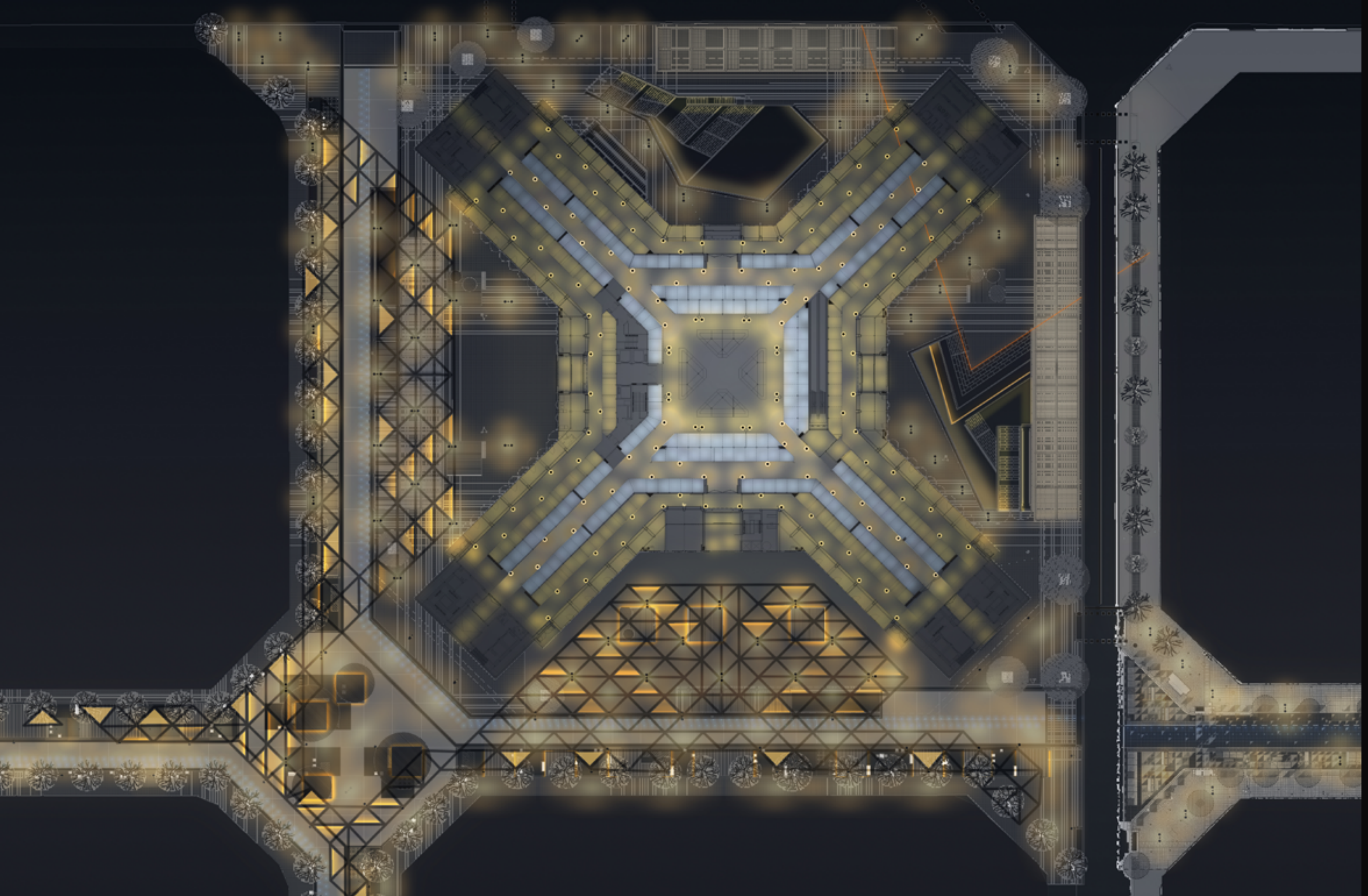
Market

Exterior canopy providing a sense of comfort.

LIGHT OF ATTRACTION AND STAY







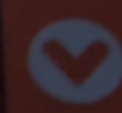




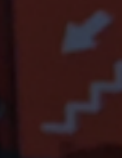




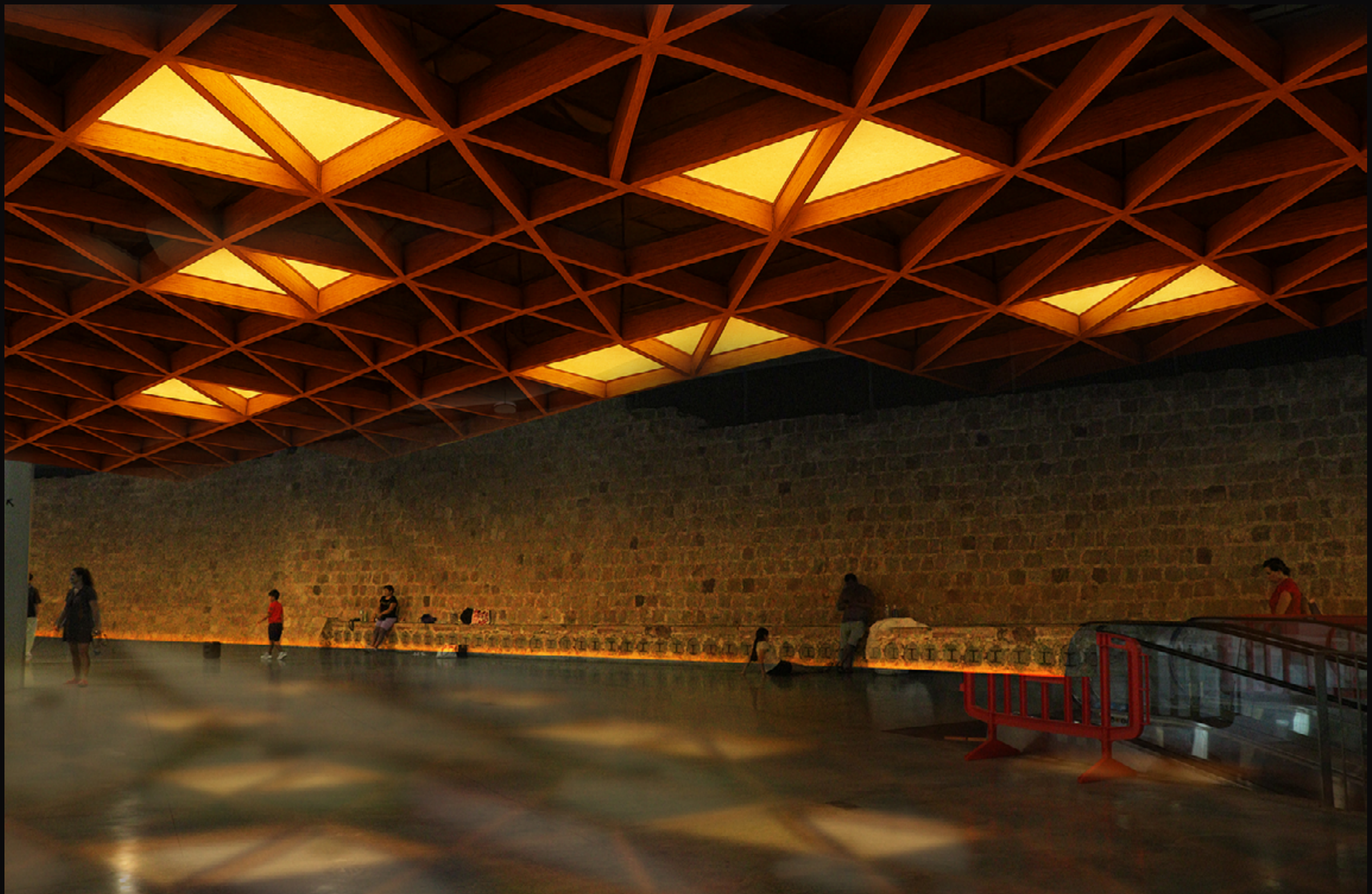
ACCES NOTICIA
PLANTA - 1

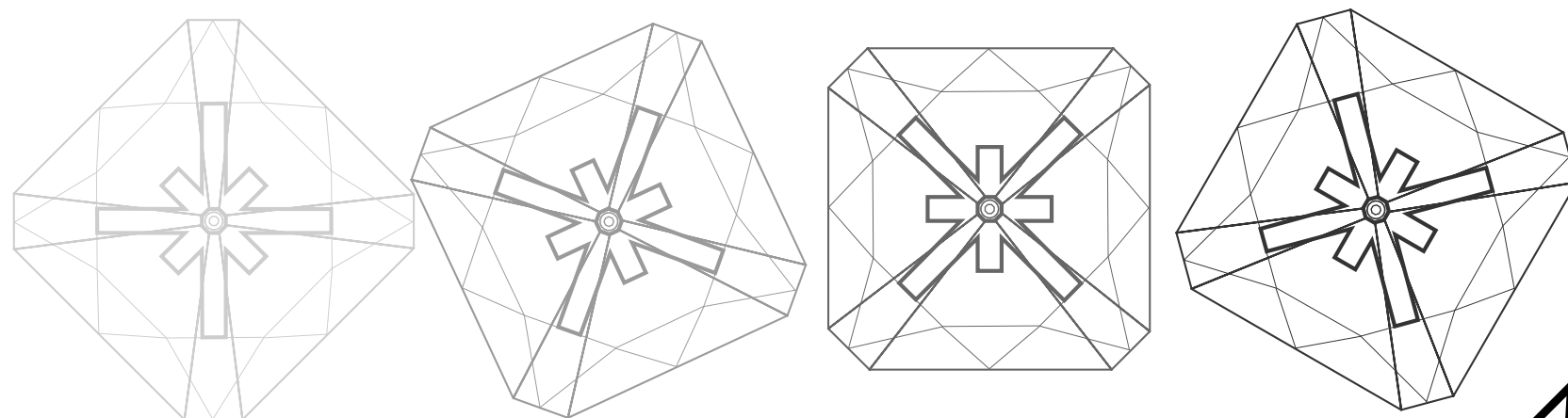


VIVACIUM
A LA PLANTA
SALA





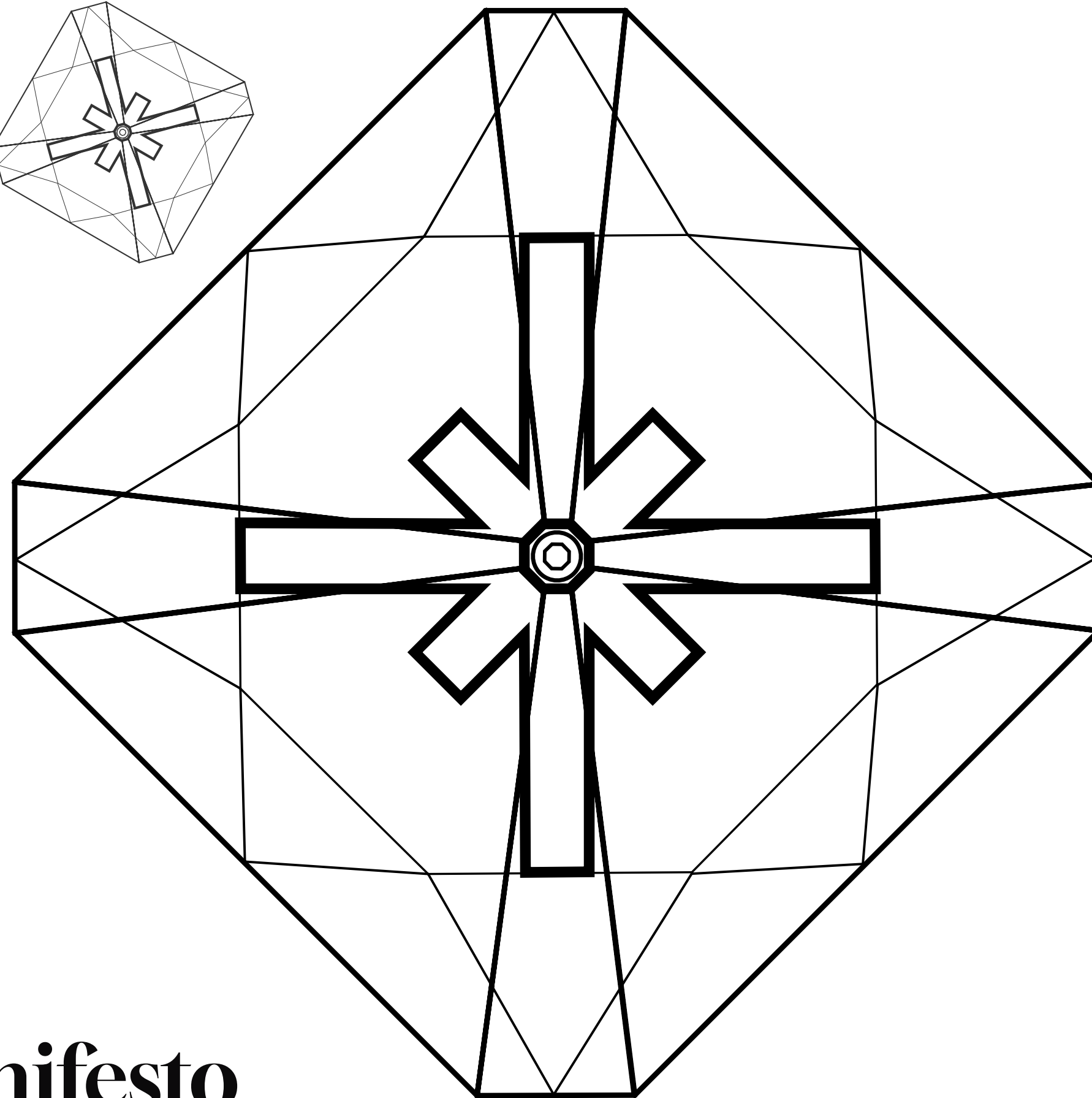




We build an intersection,
we roof a street.

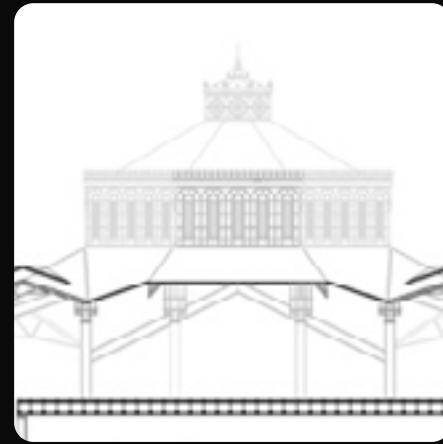
Movement flows through; it doesn't
start—it appears.

The market receives,
shaped by that flow,
and carries on beyond.



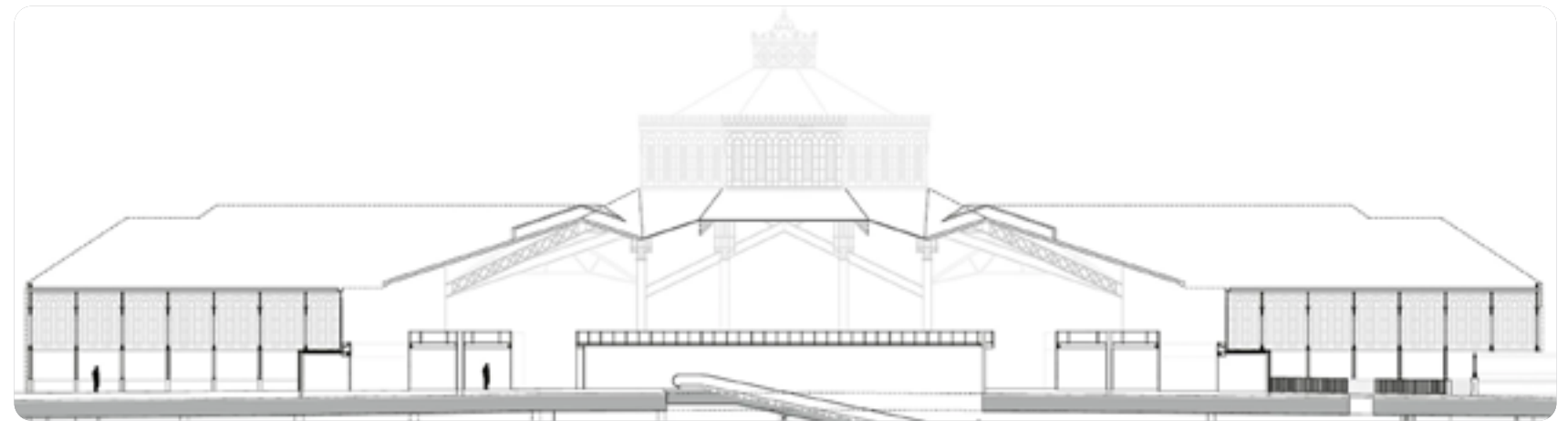
Sínia Manifesto

Interior



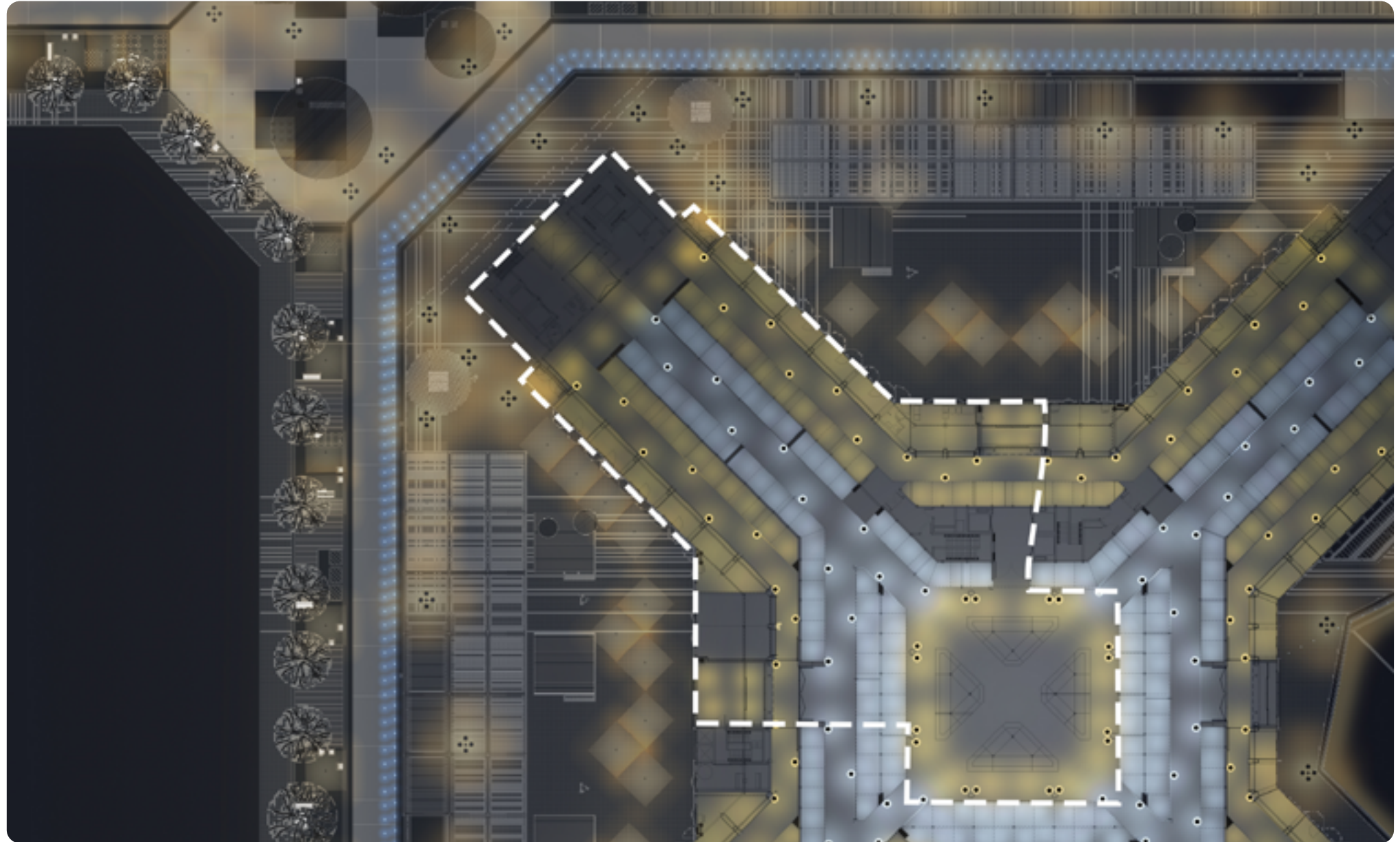
Zoom

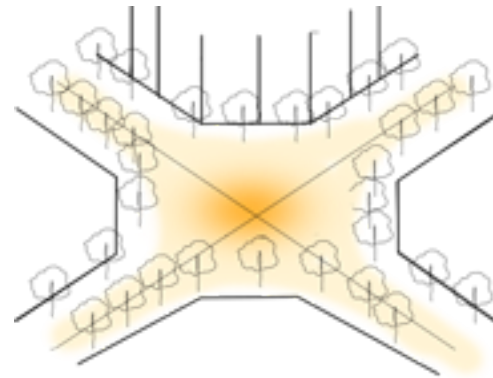
A SERENE VOID OPEN TO PRESENCE AND ENCOUNTER



Fron street to market

Interior square and standard section

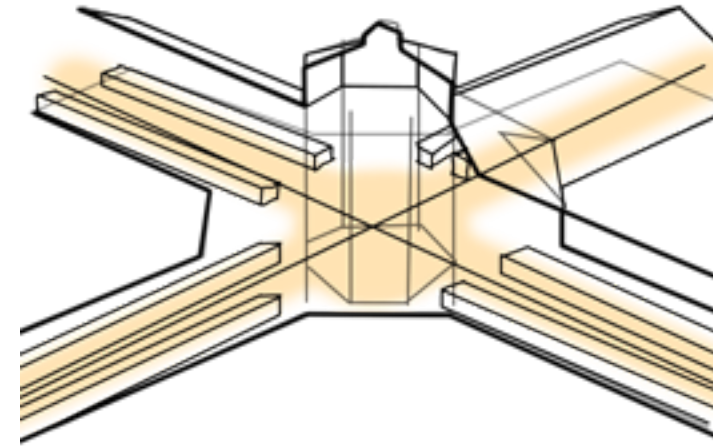




Street



Void in center



Market



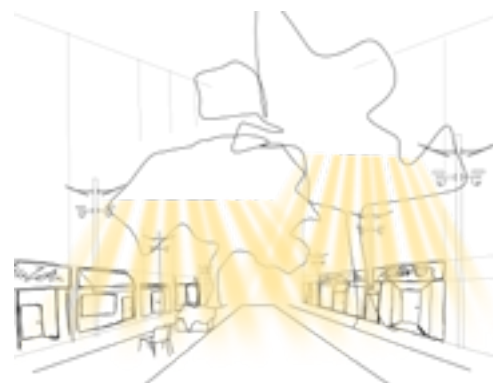
Street



Quincunx



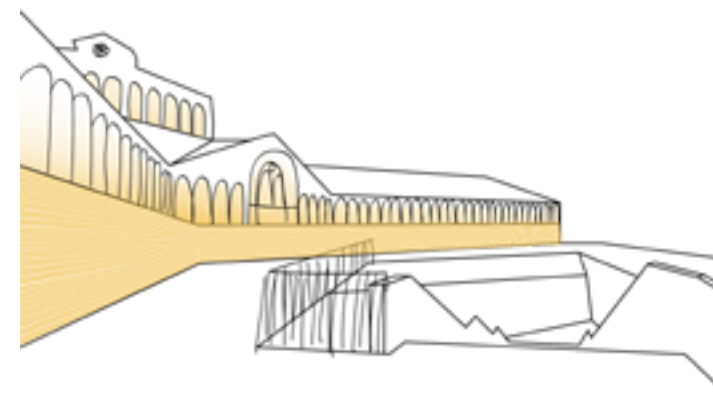
Market



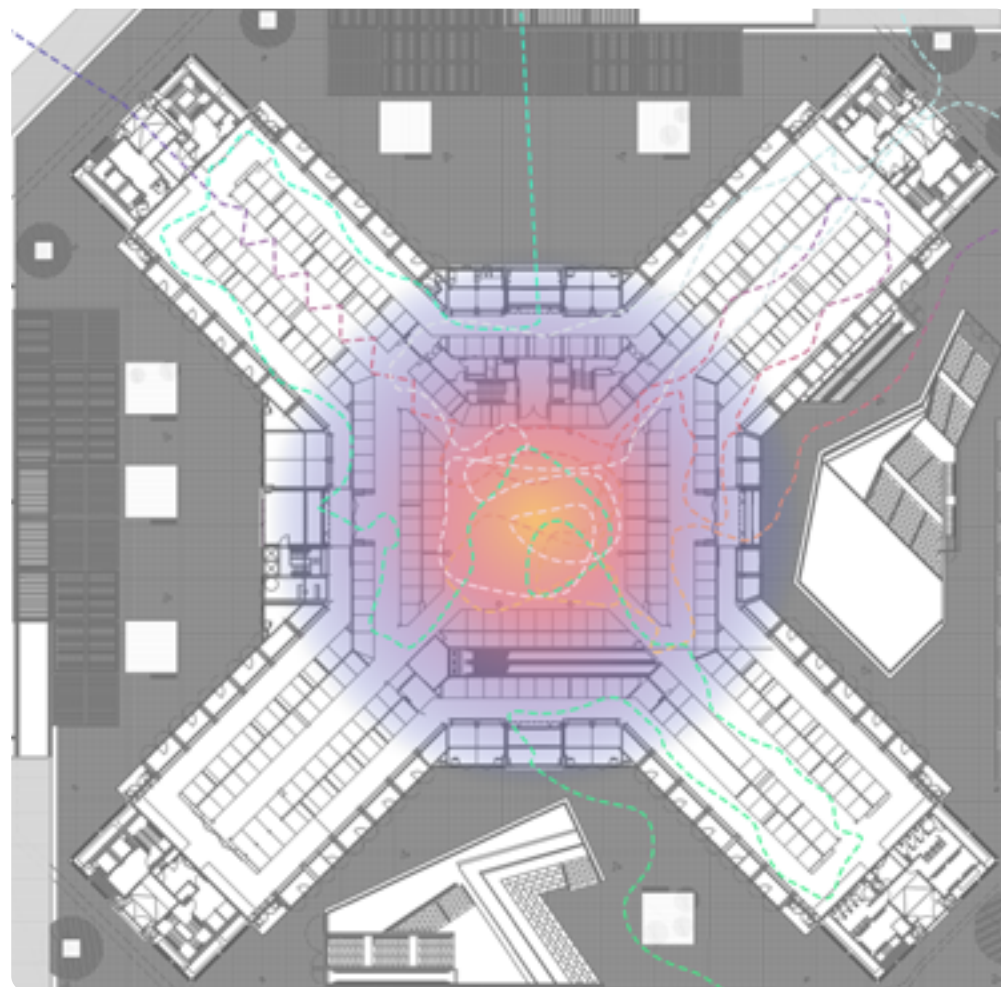
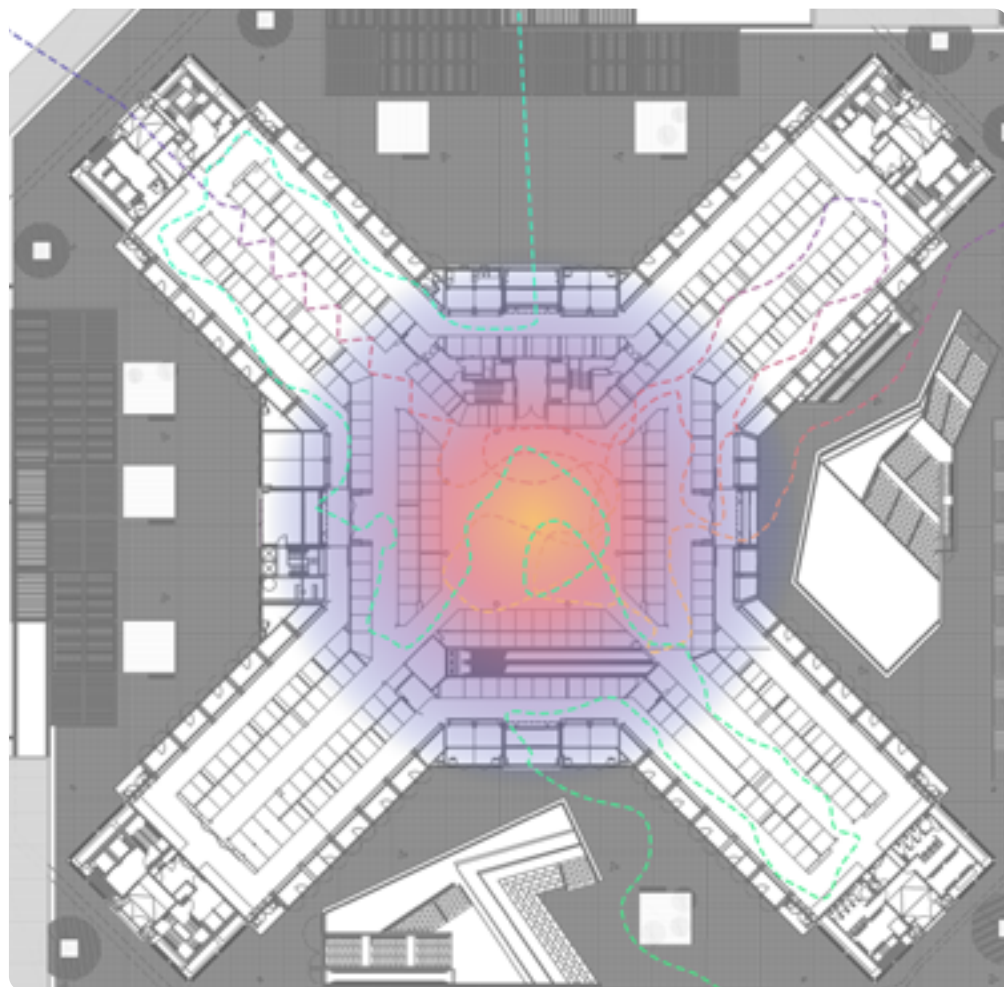
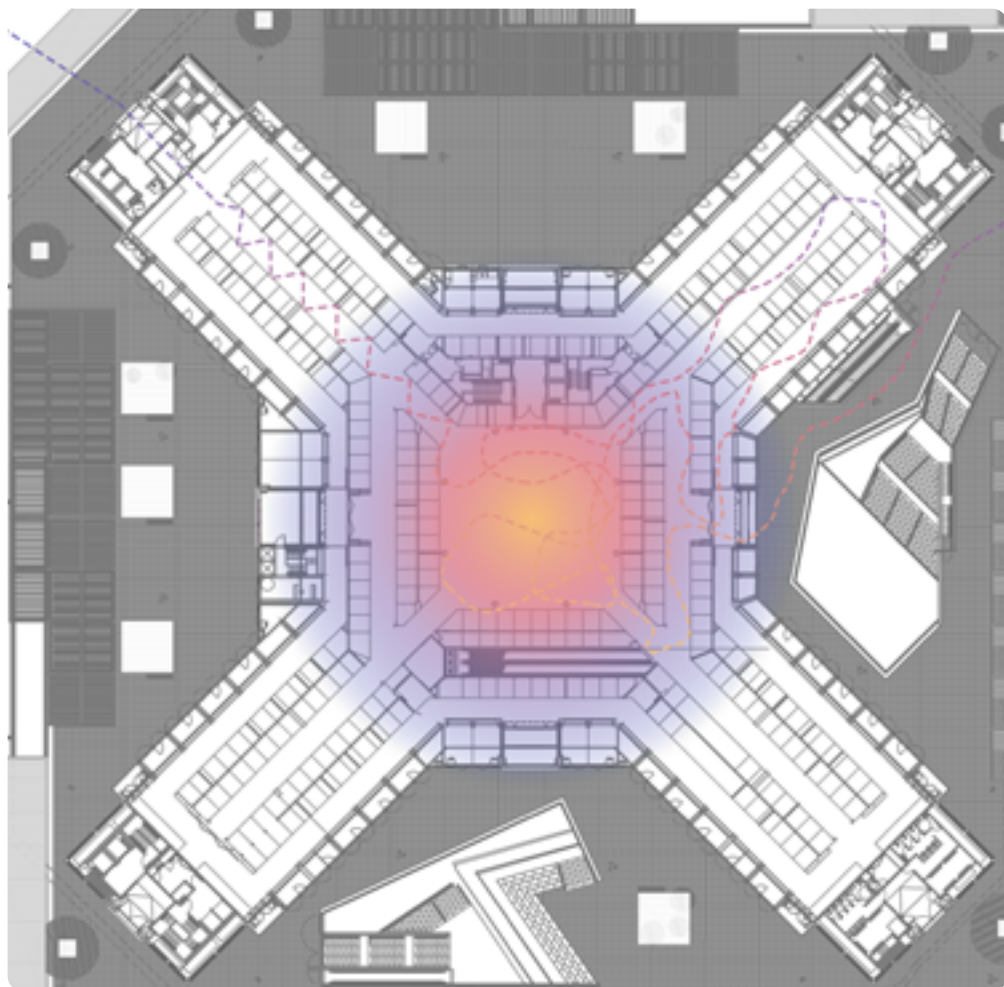
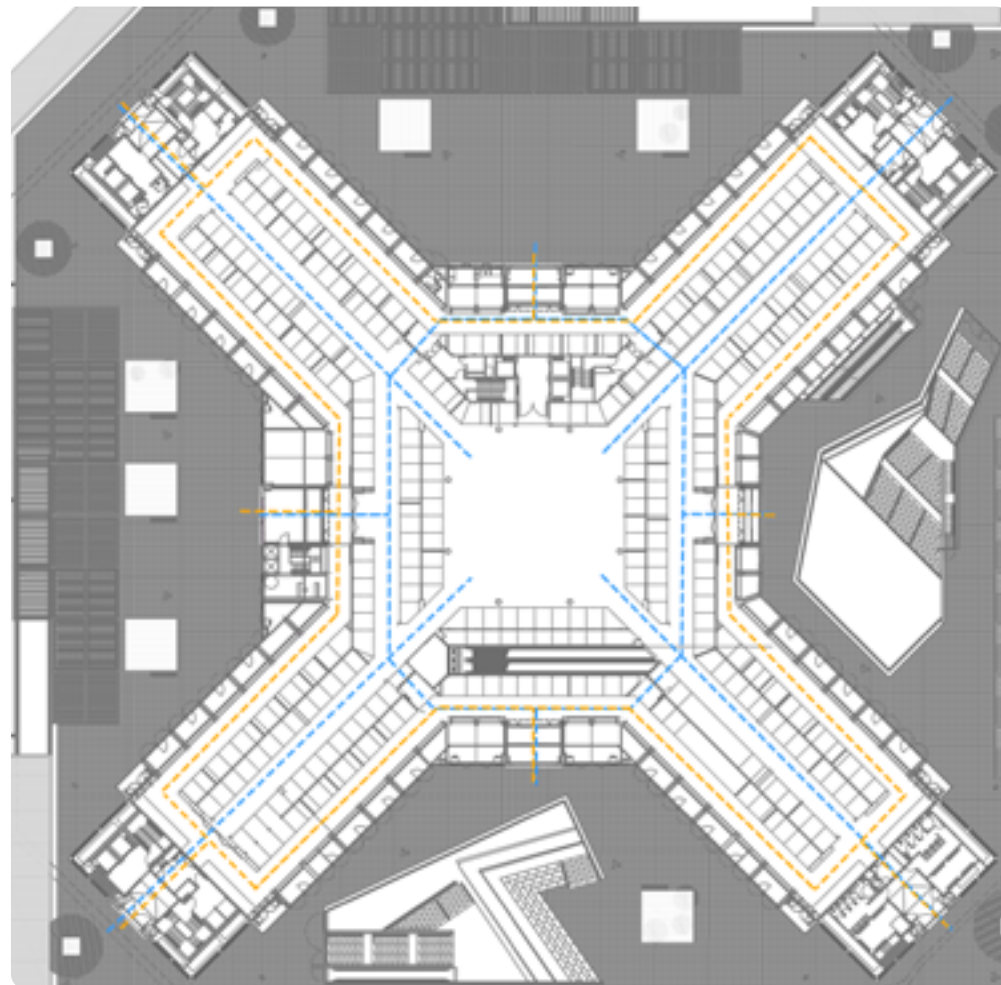
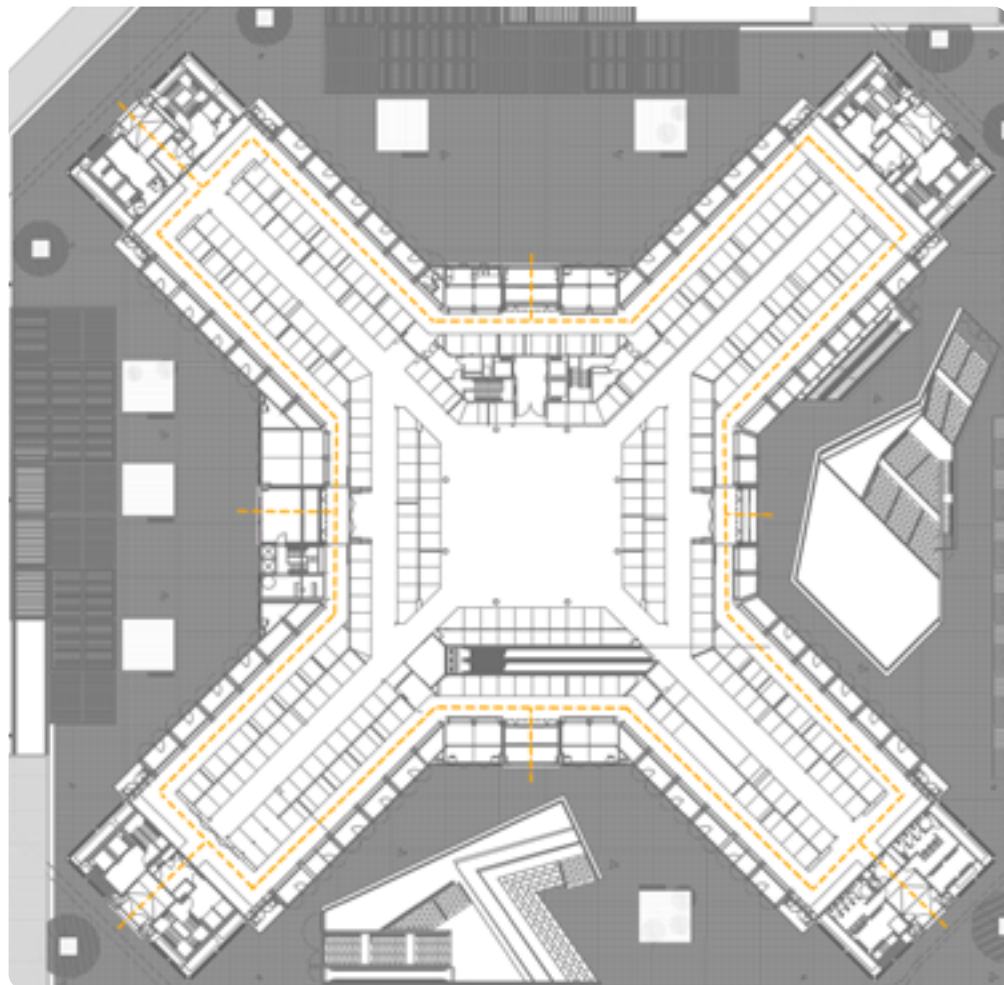
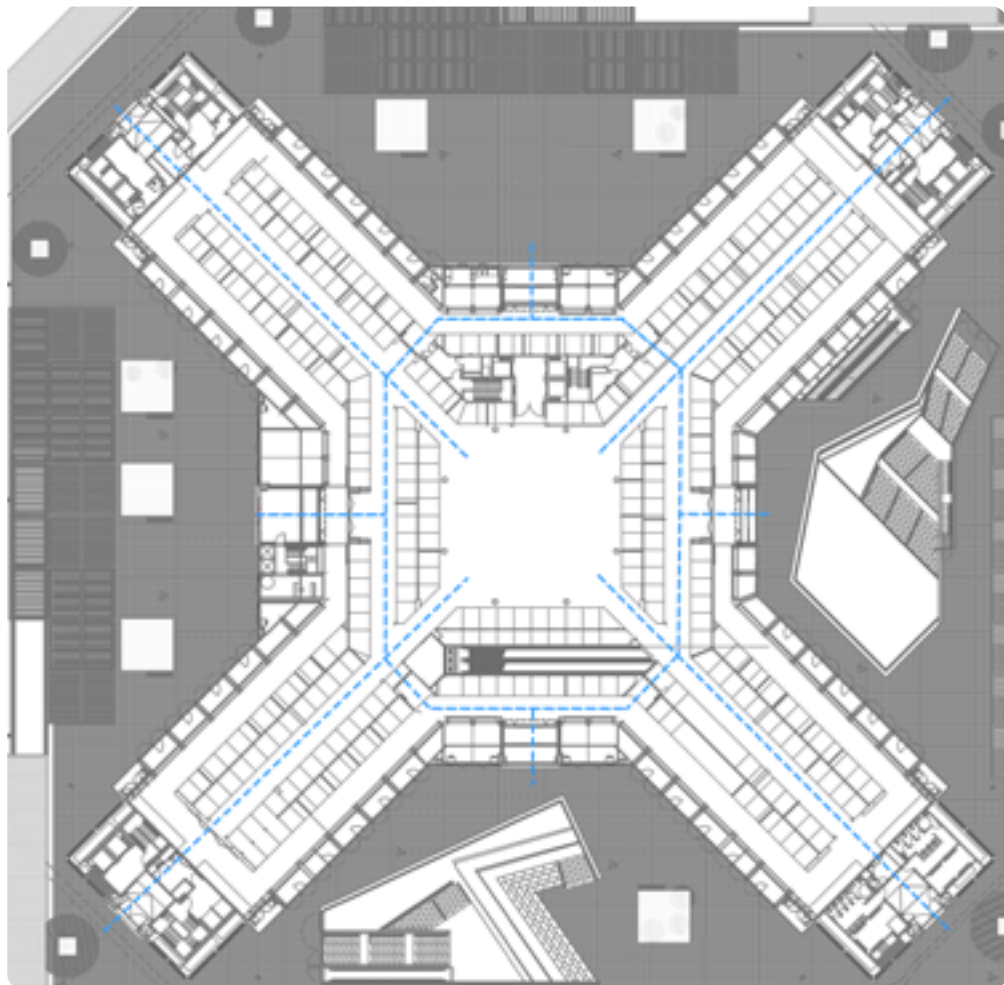
Street



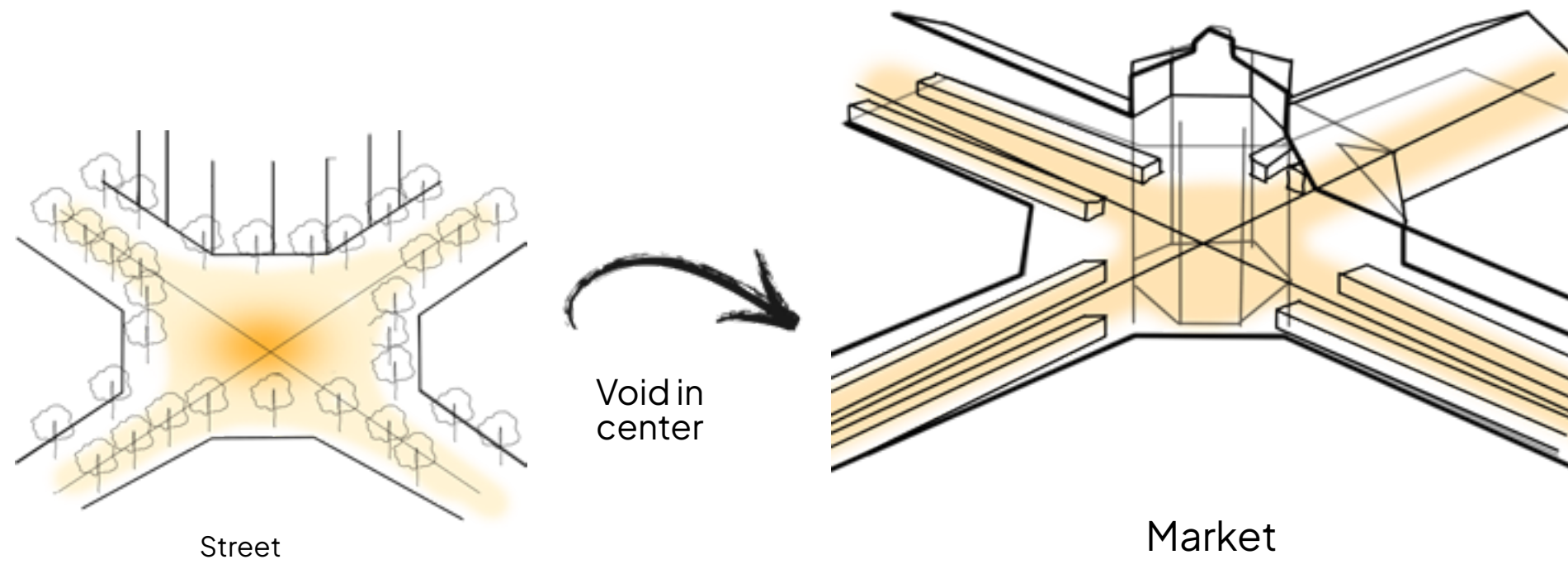
Filter



Market



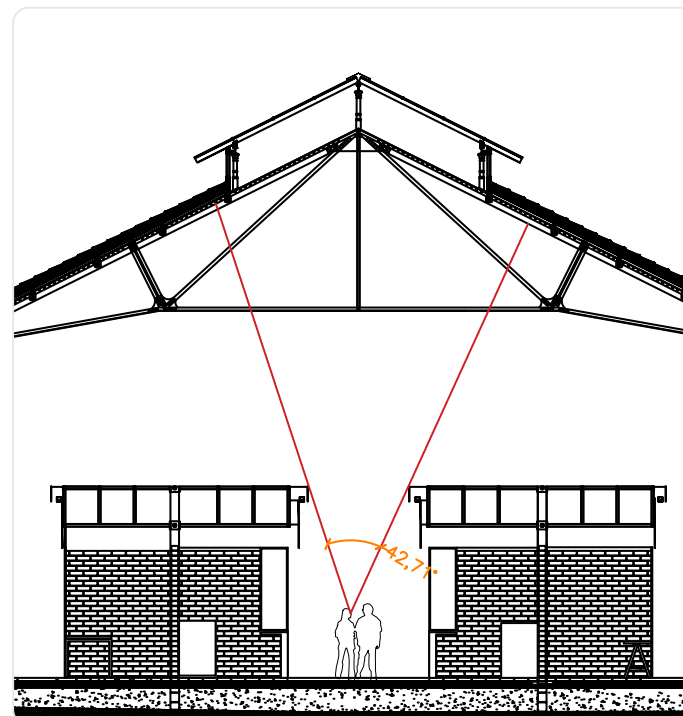
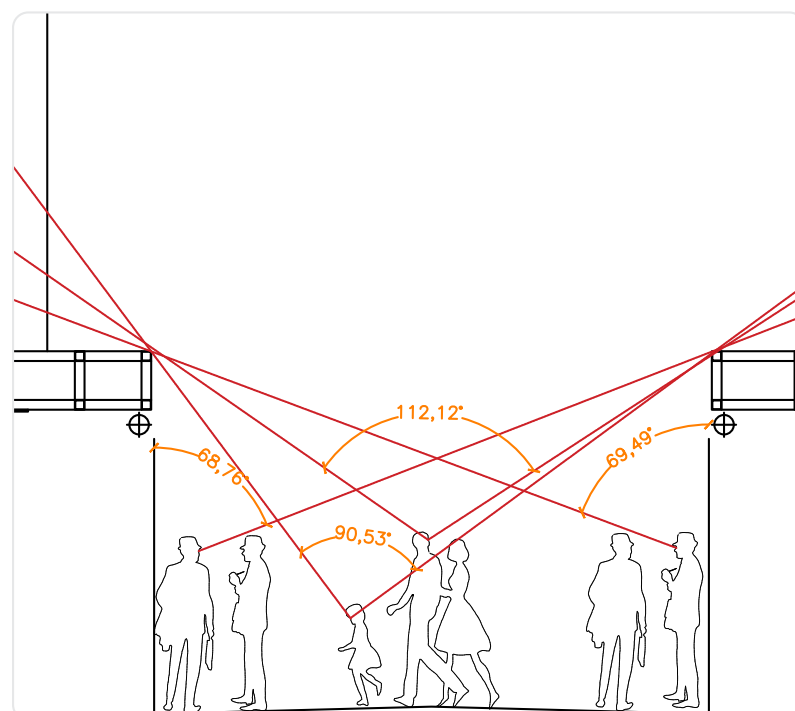
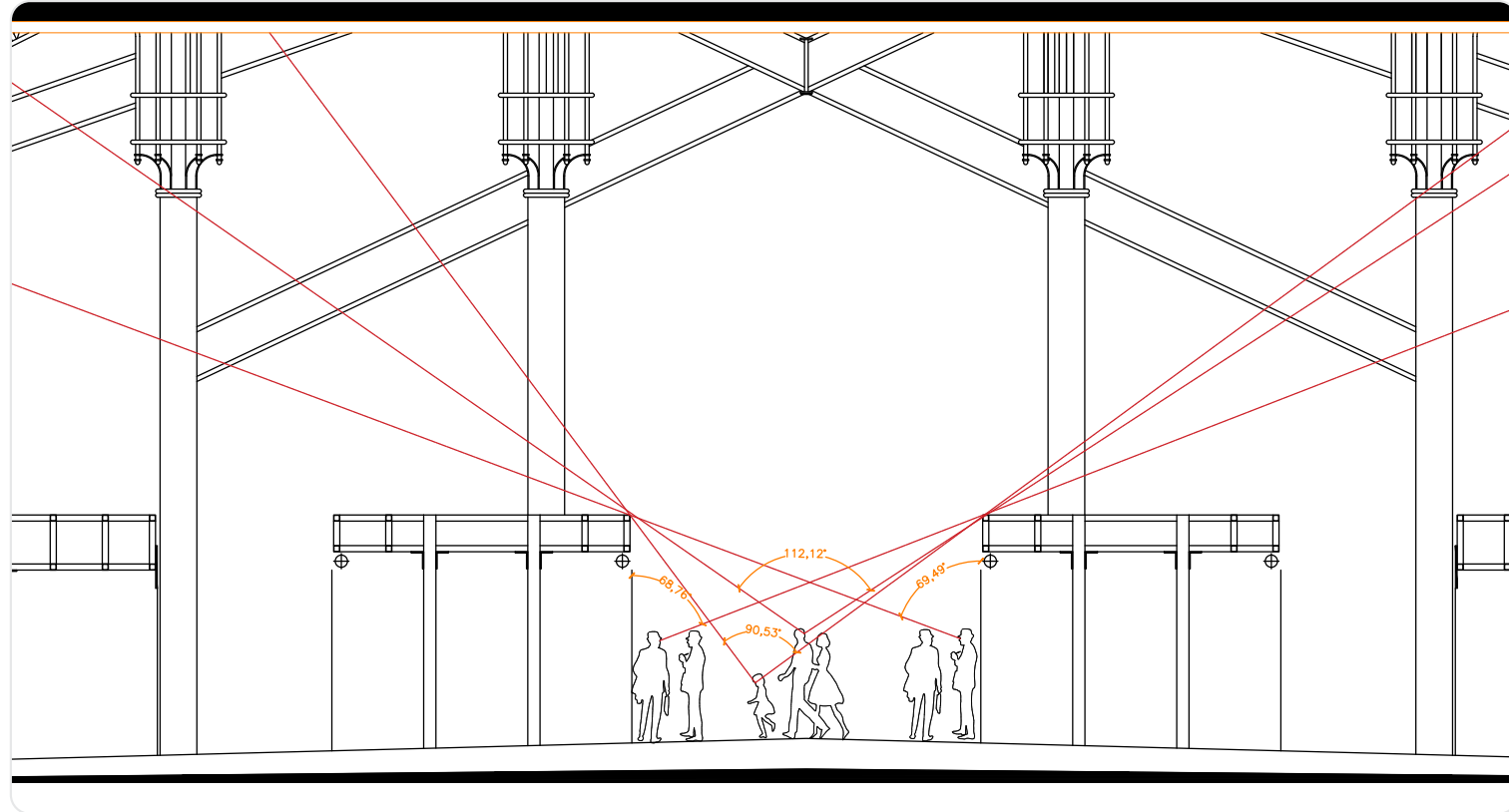
Intentions

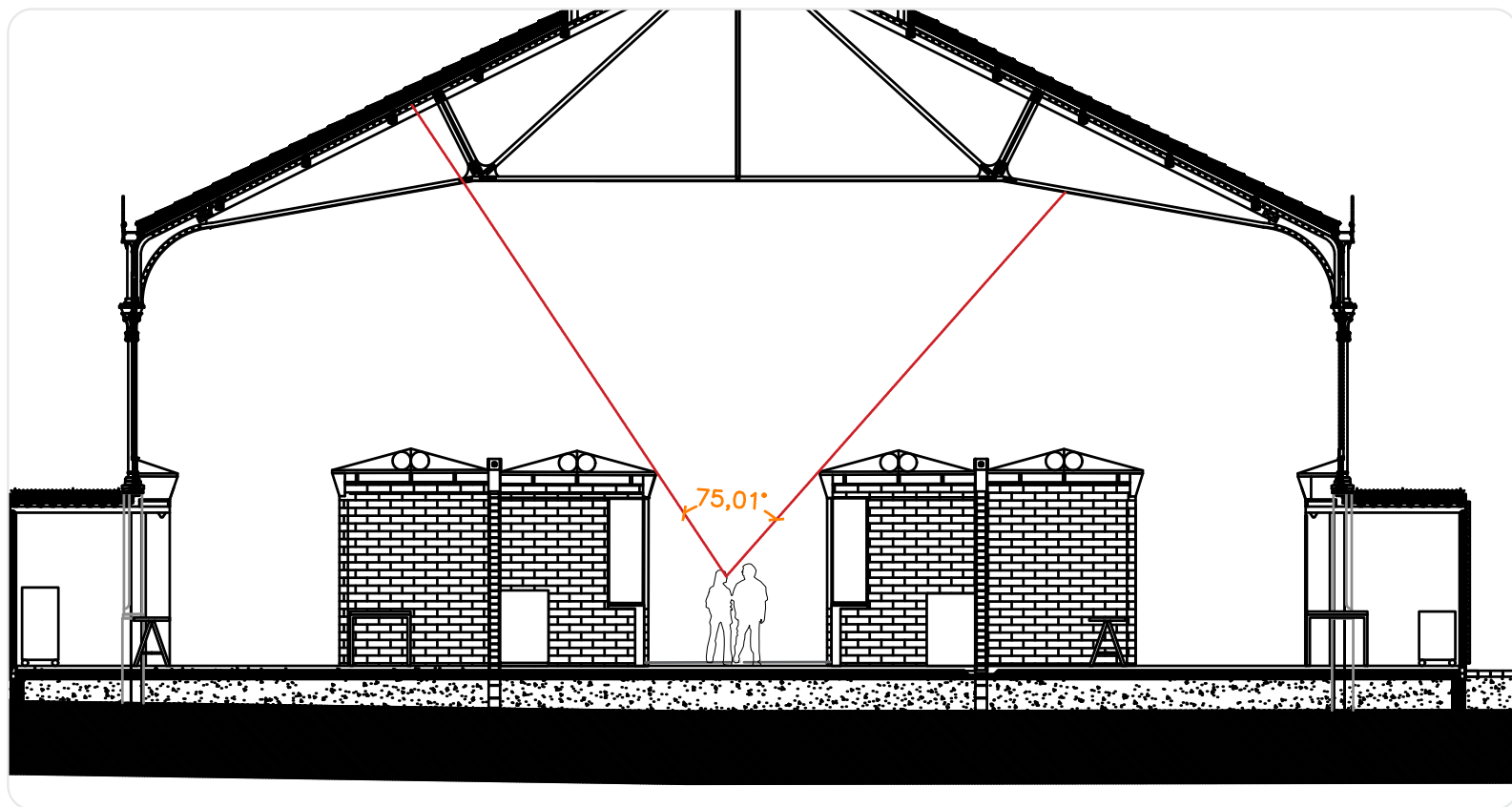
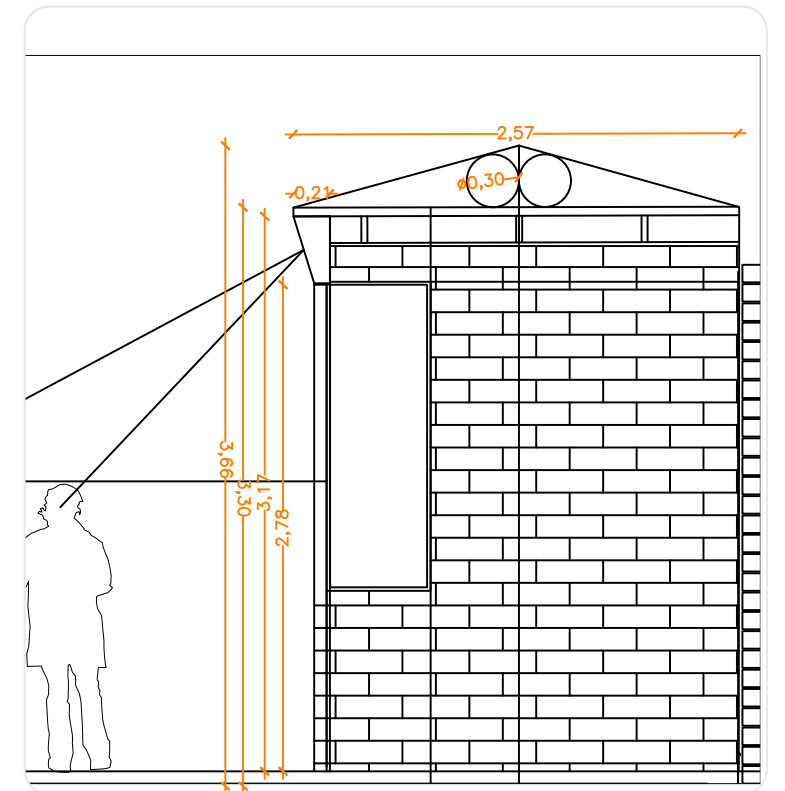
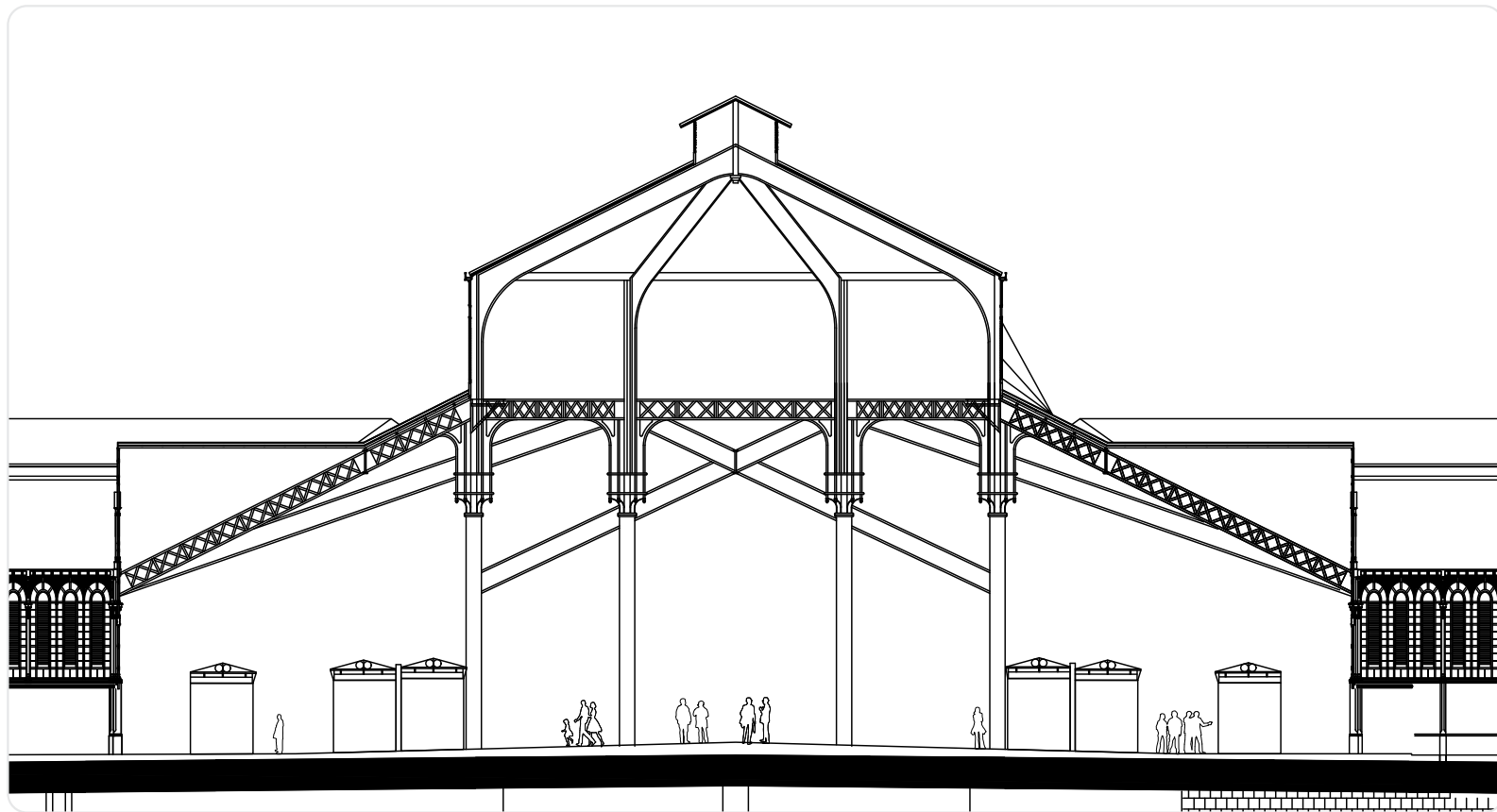


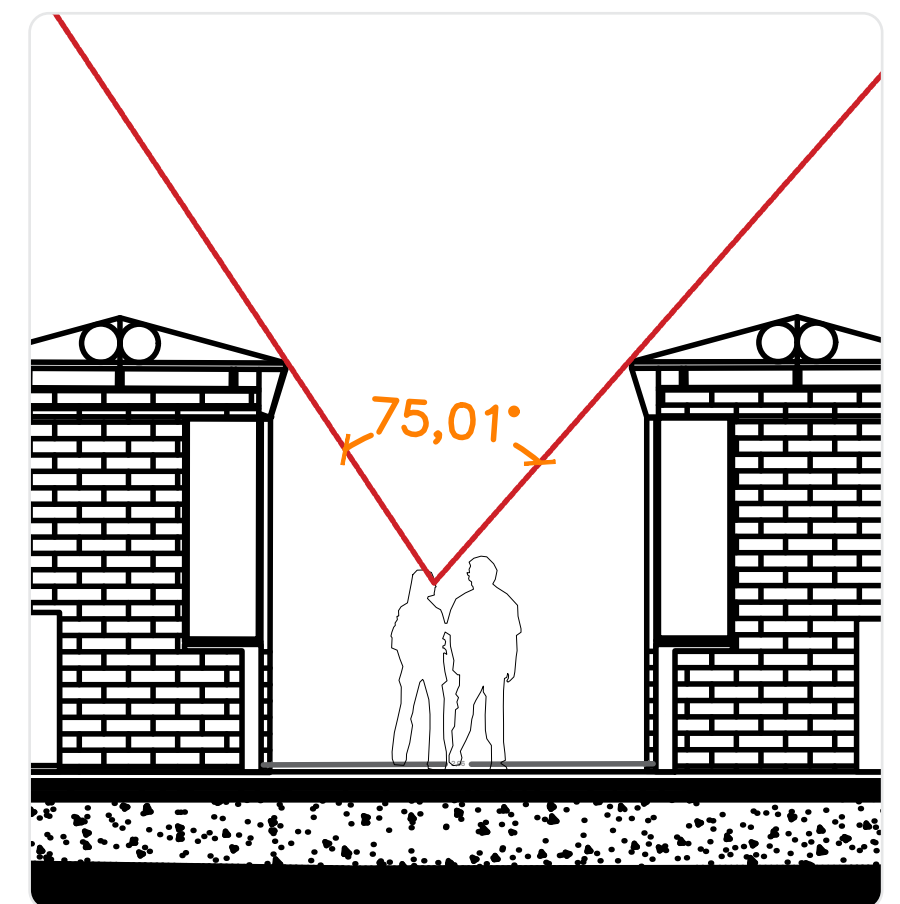
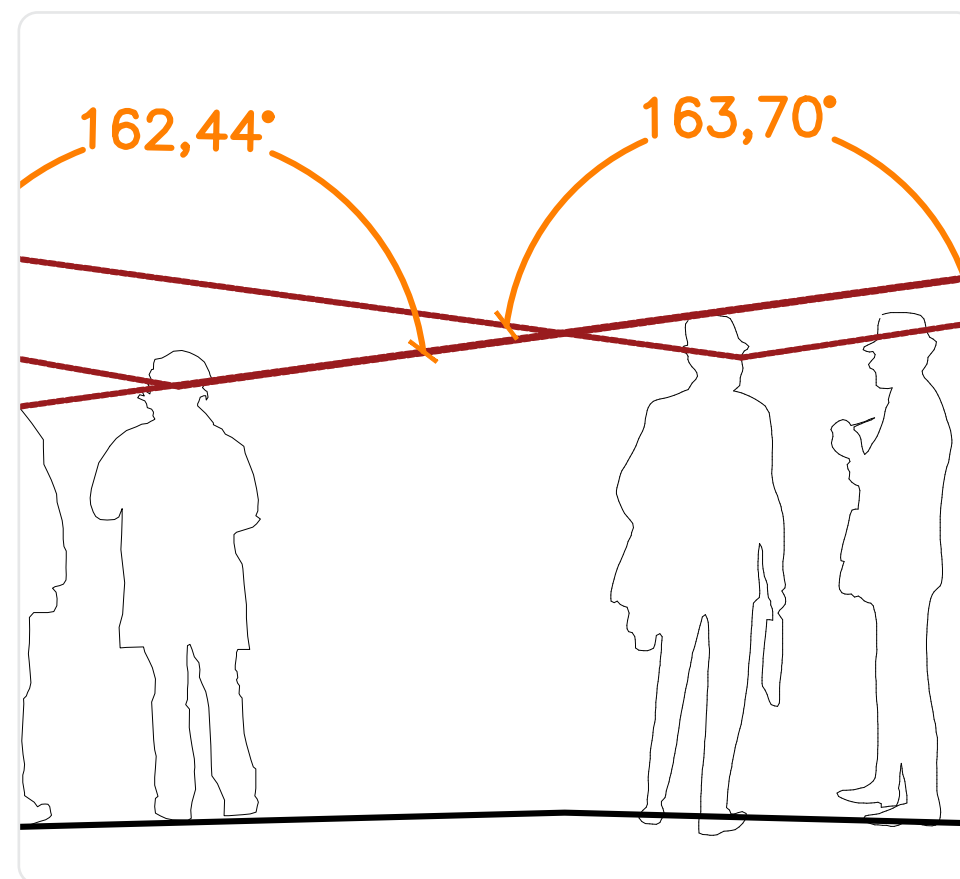
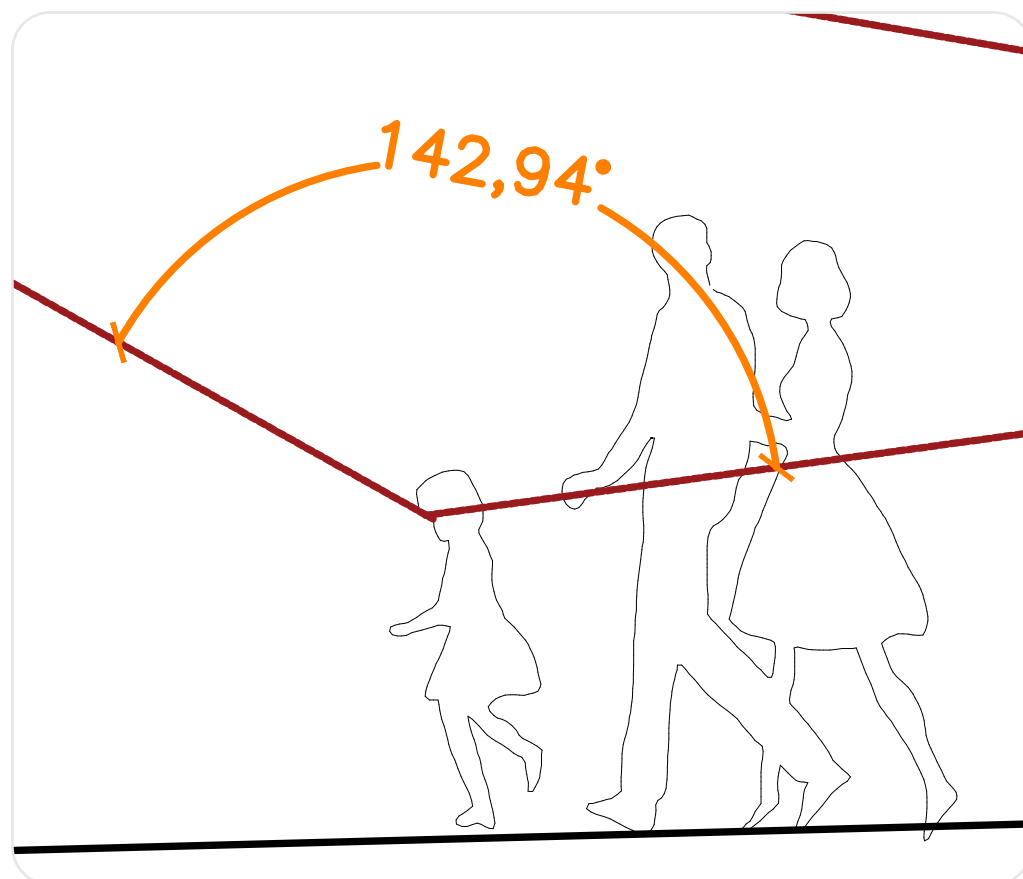
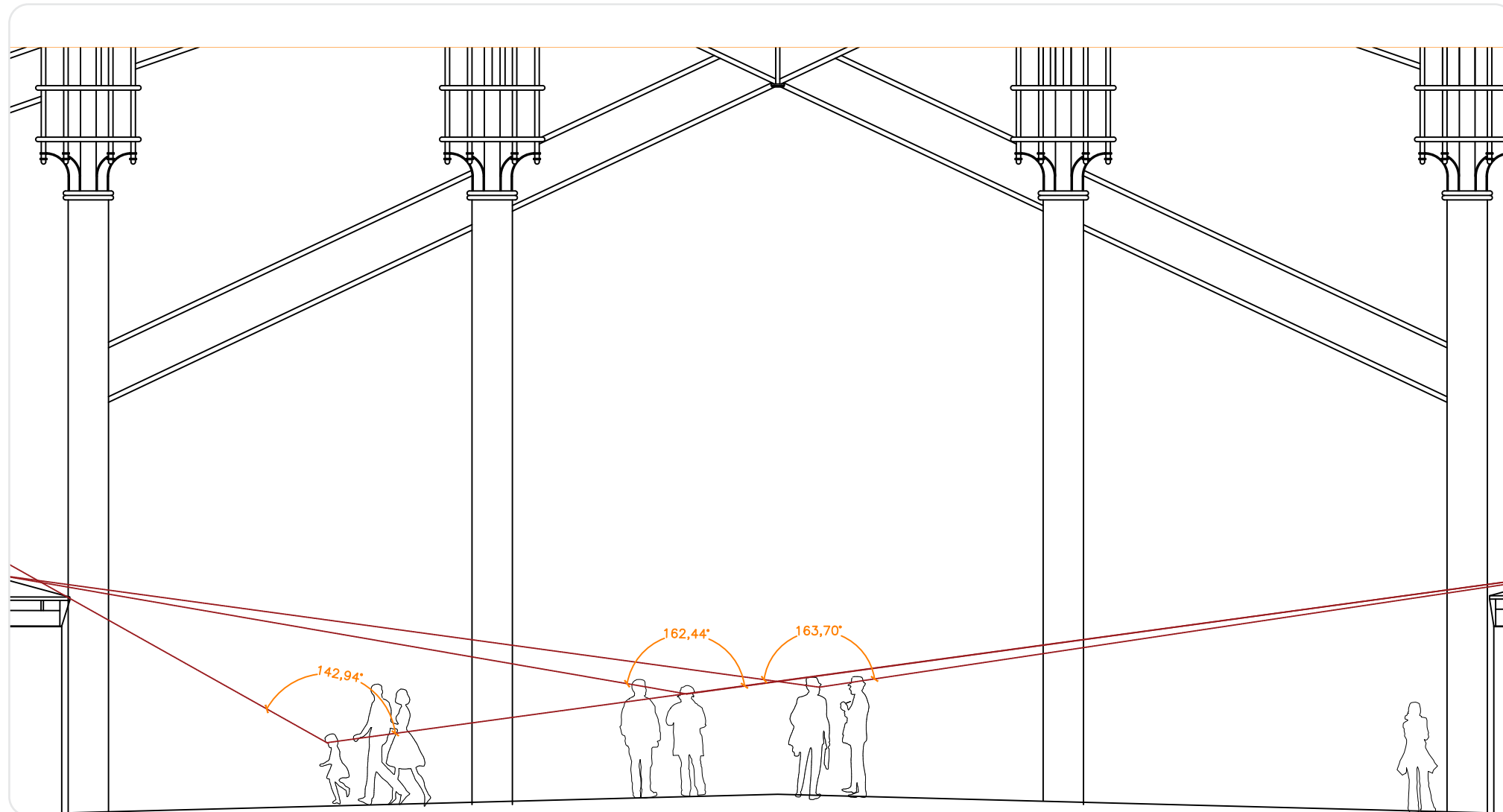
Design: Stalls and signage



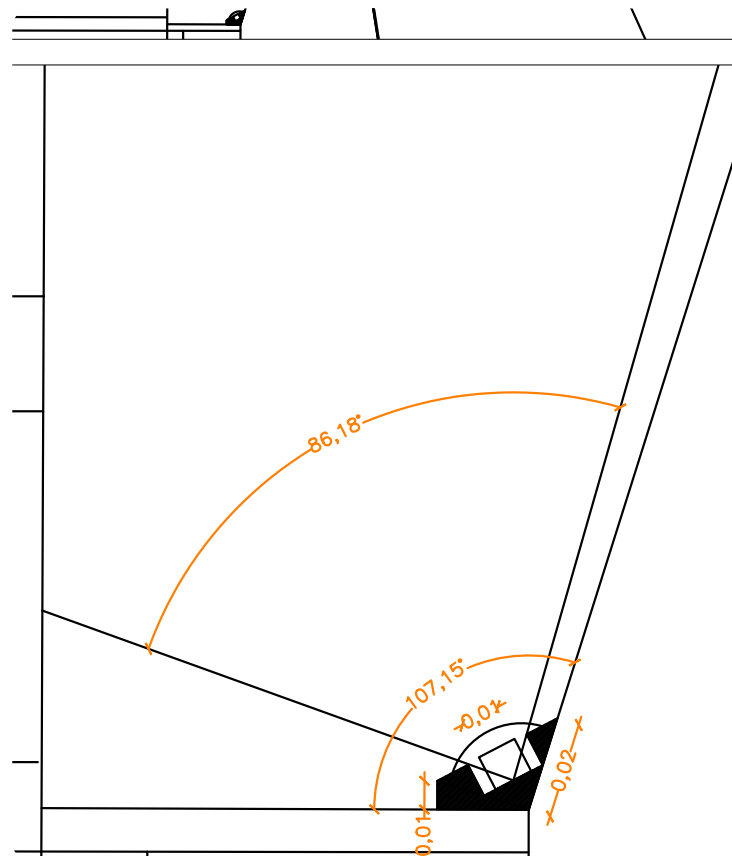
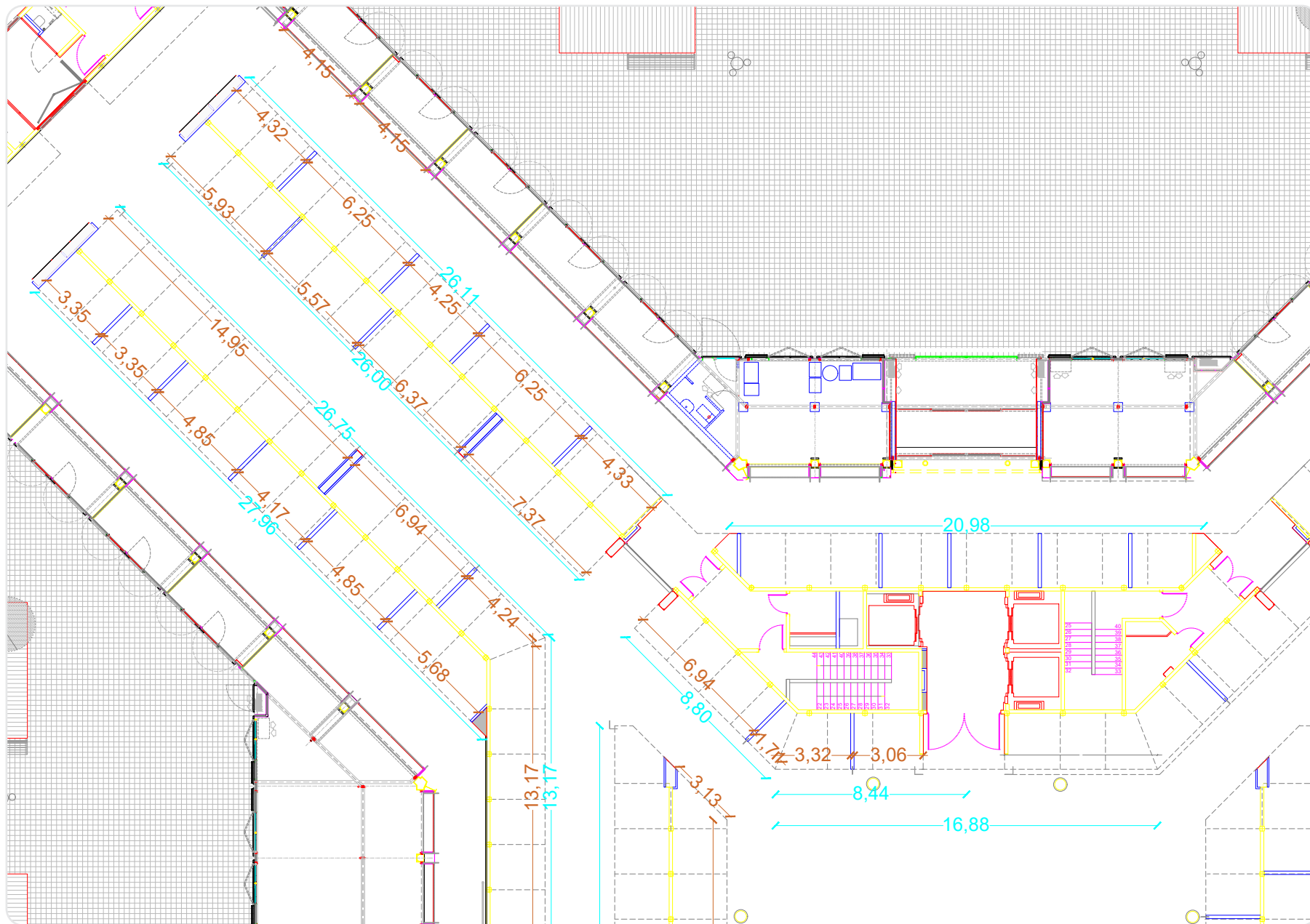
Design: Stalls and signage

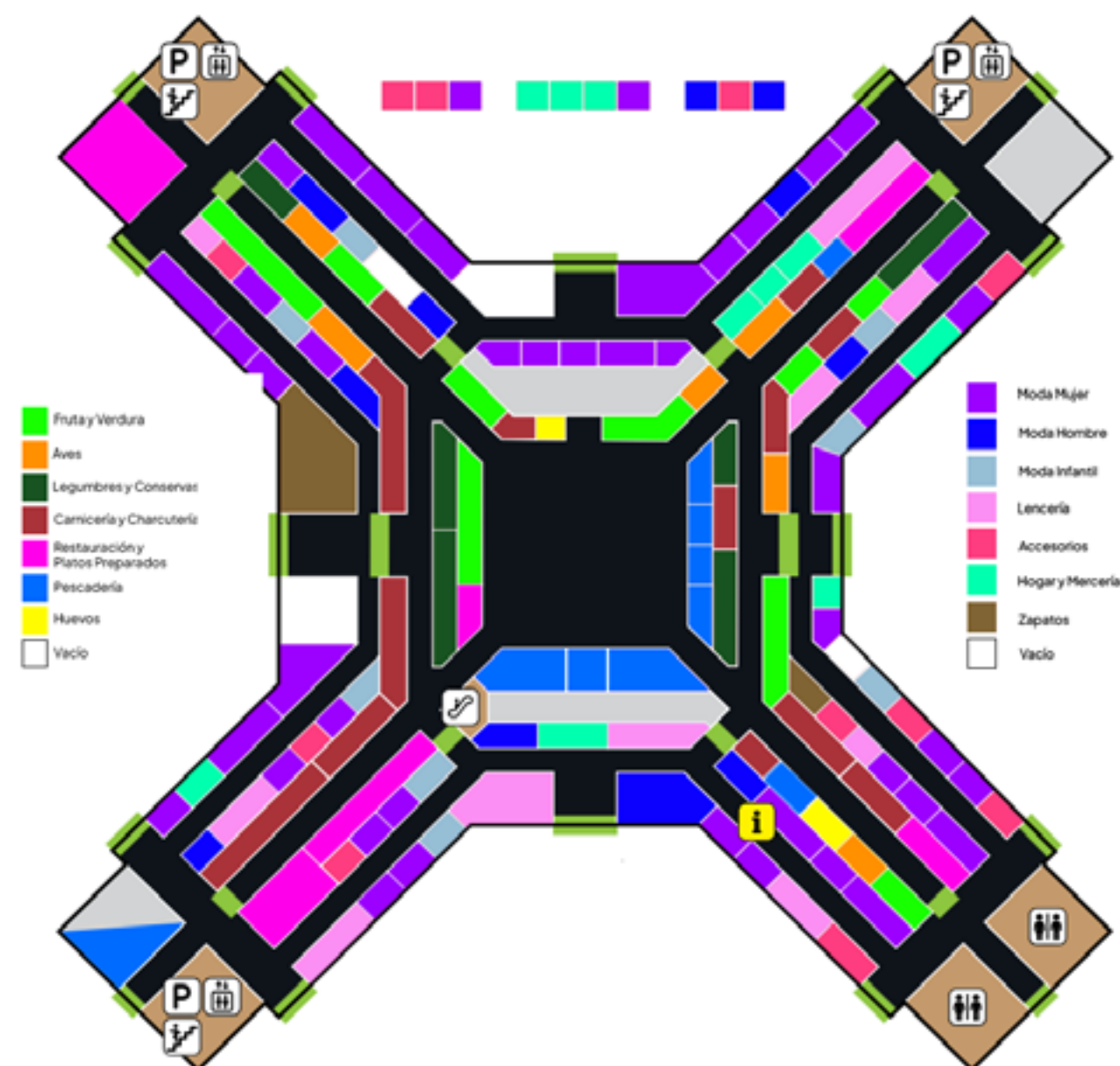
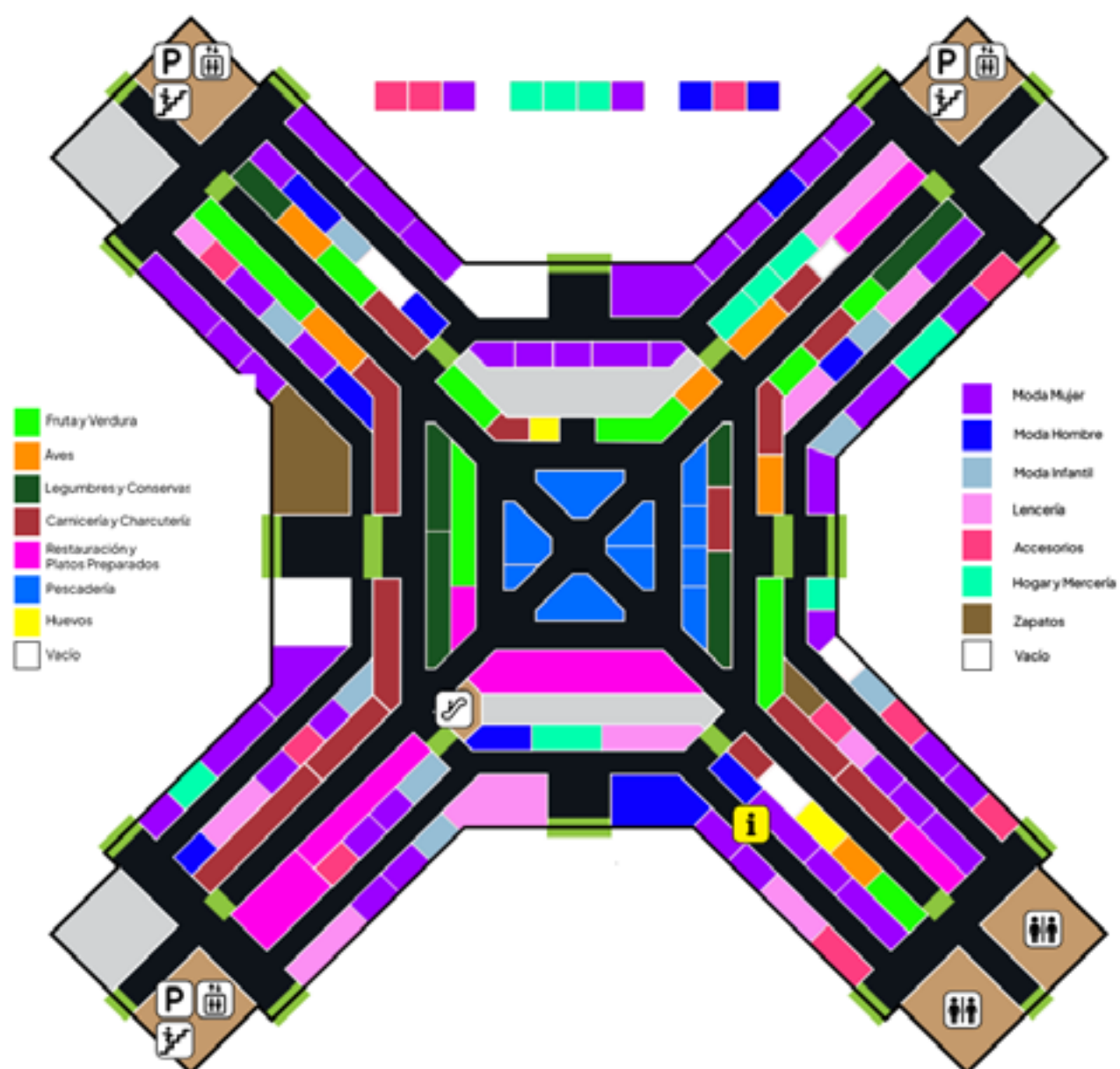












Intentions



Street

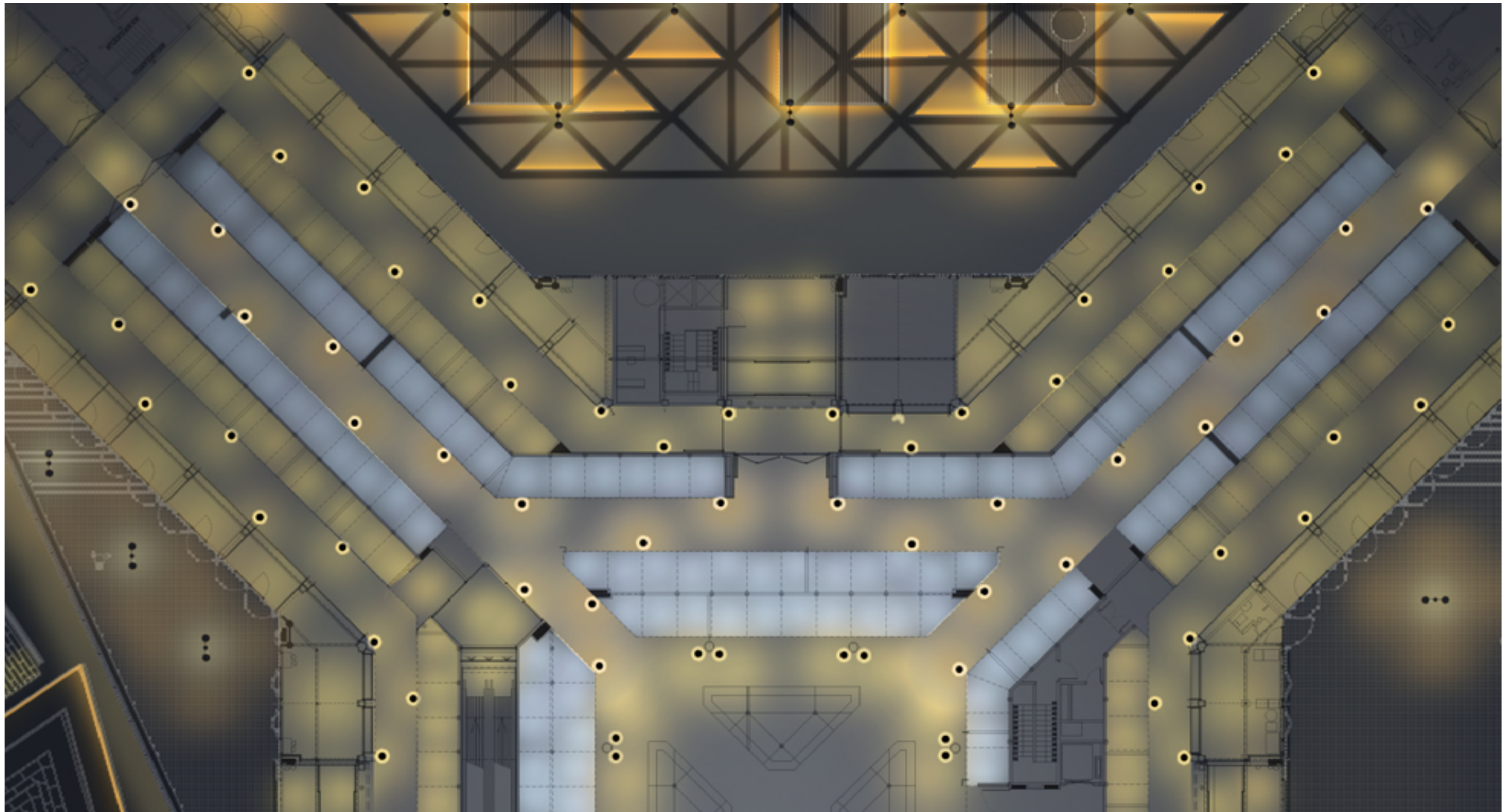


Quincunx

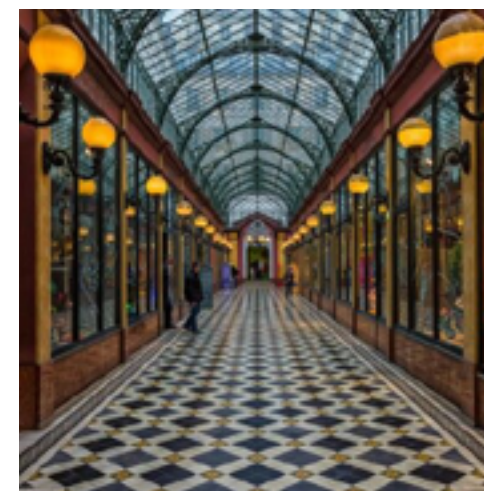


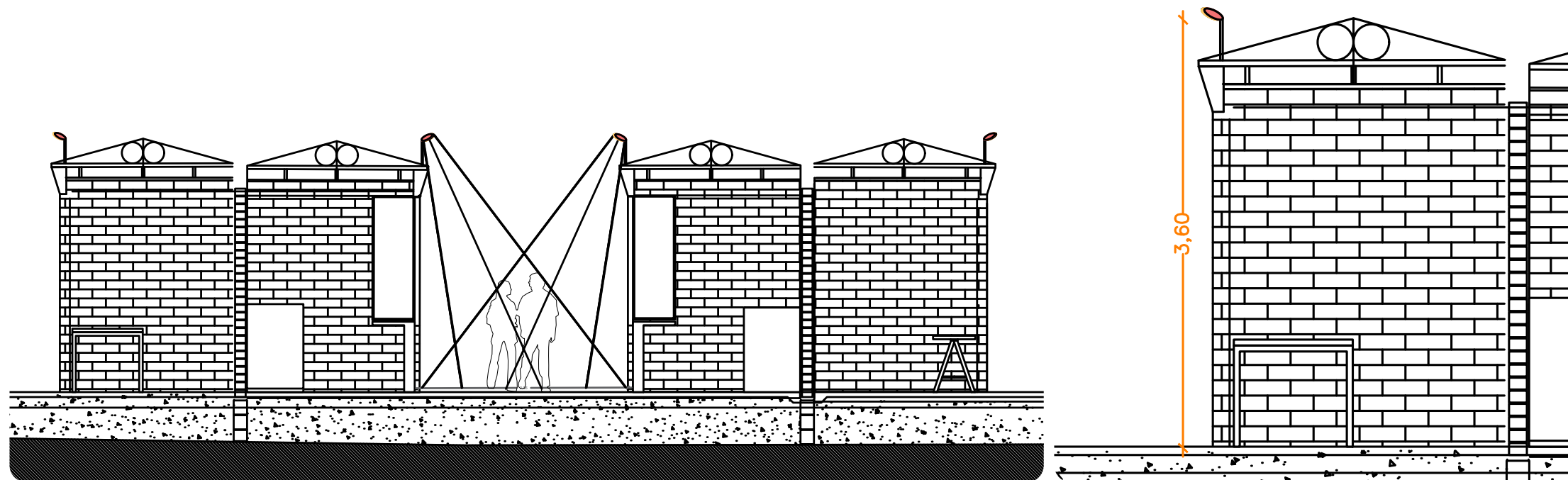
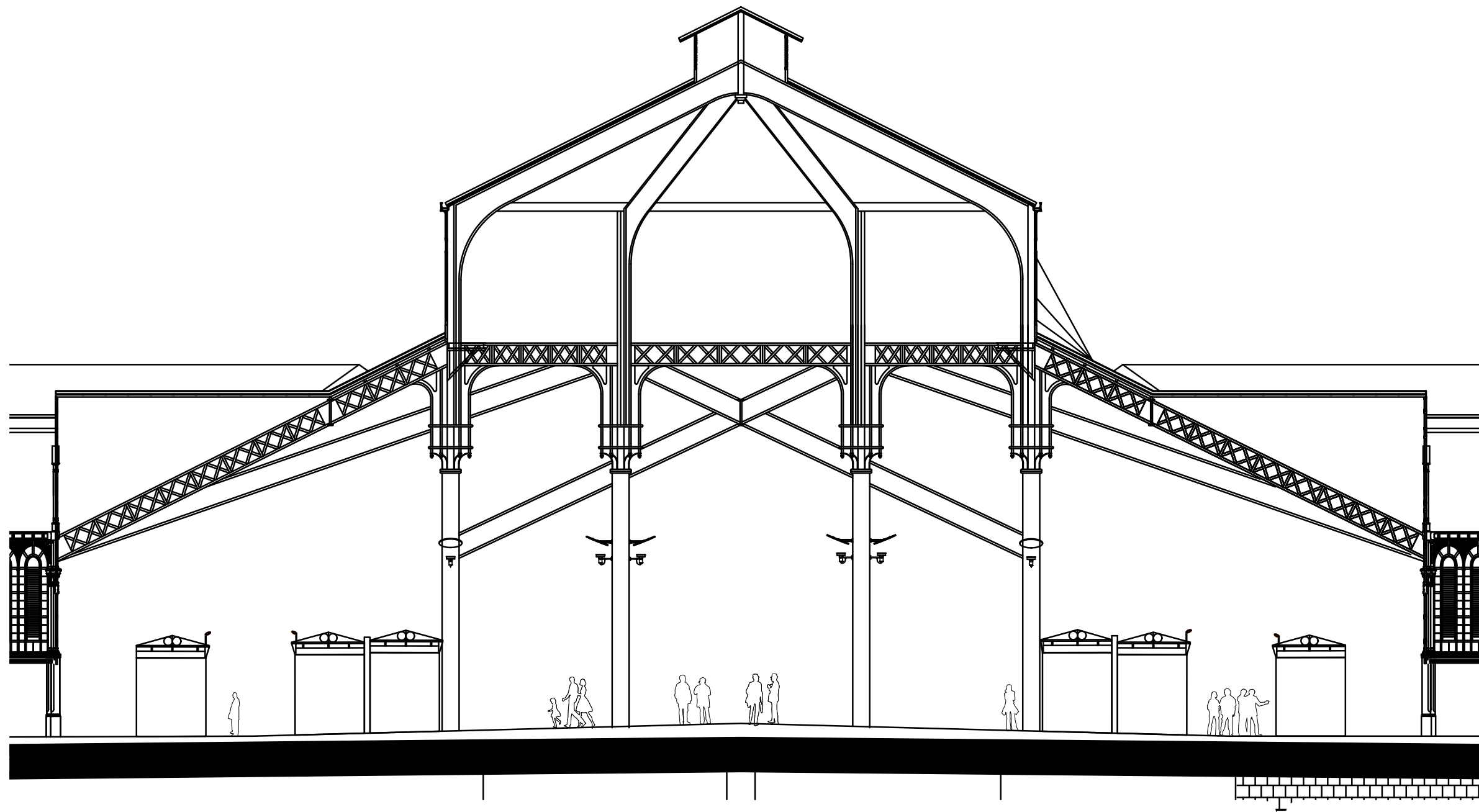
Market

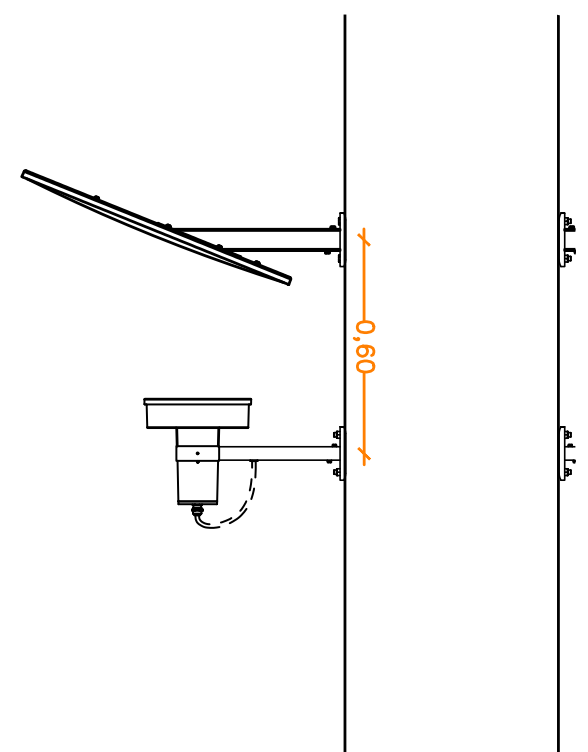
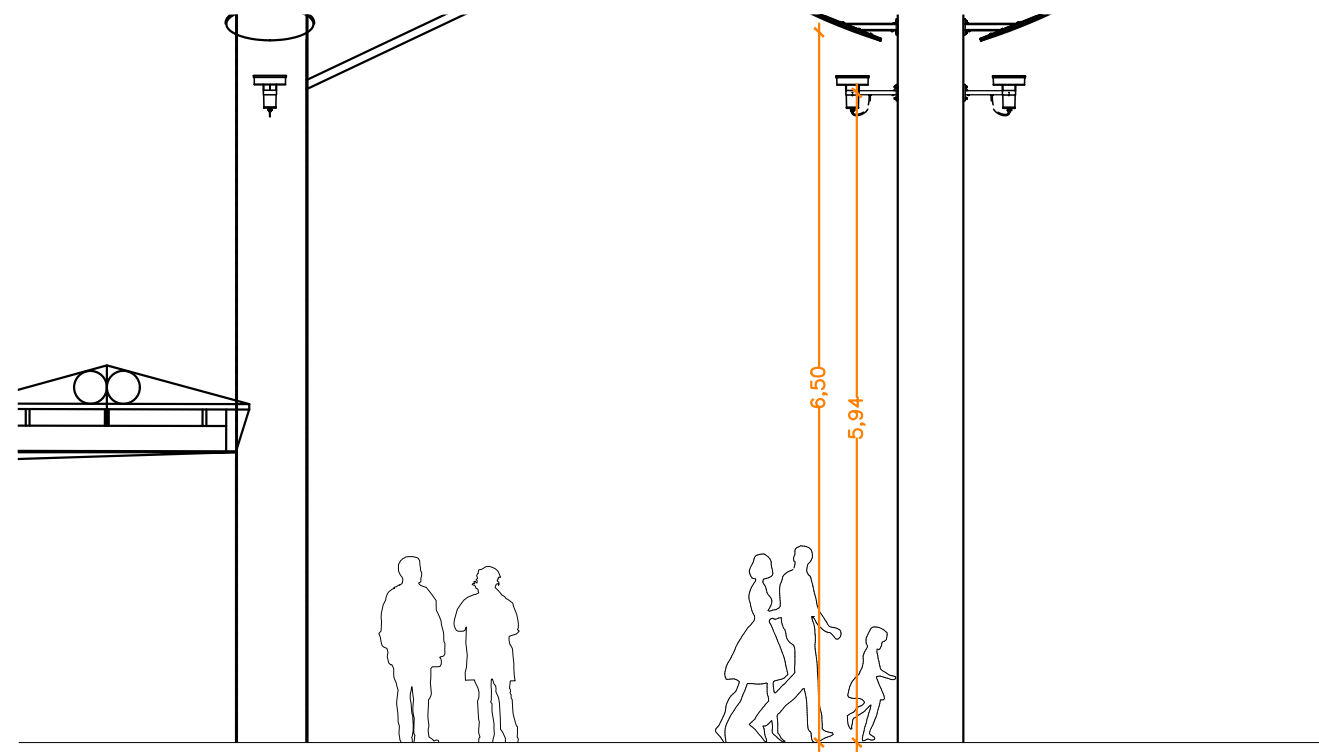
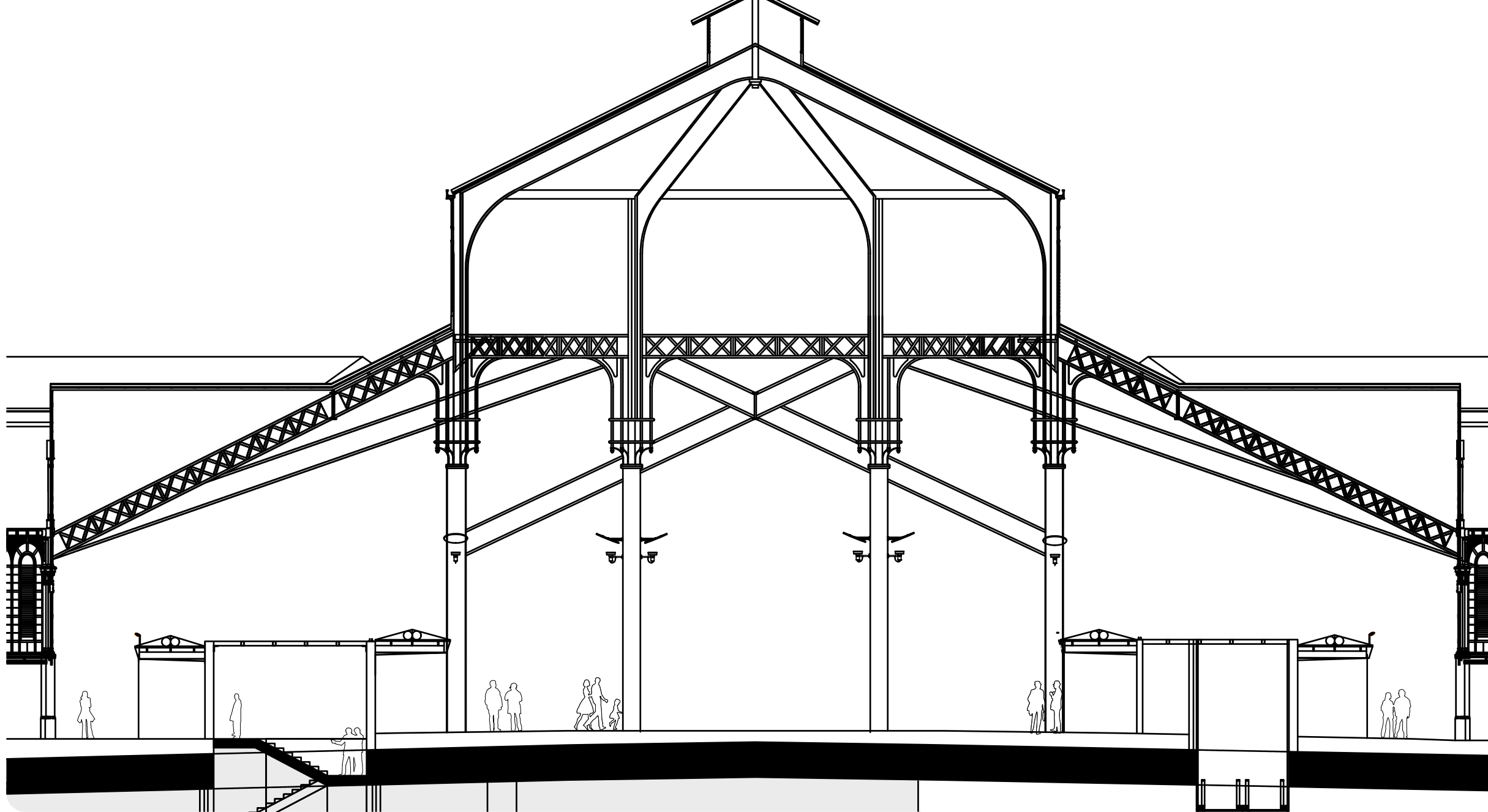
Design: New pathways

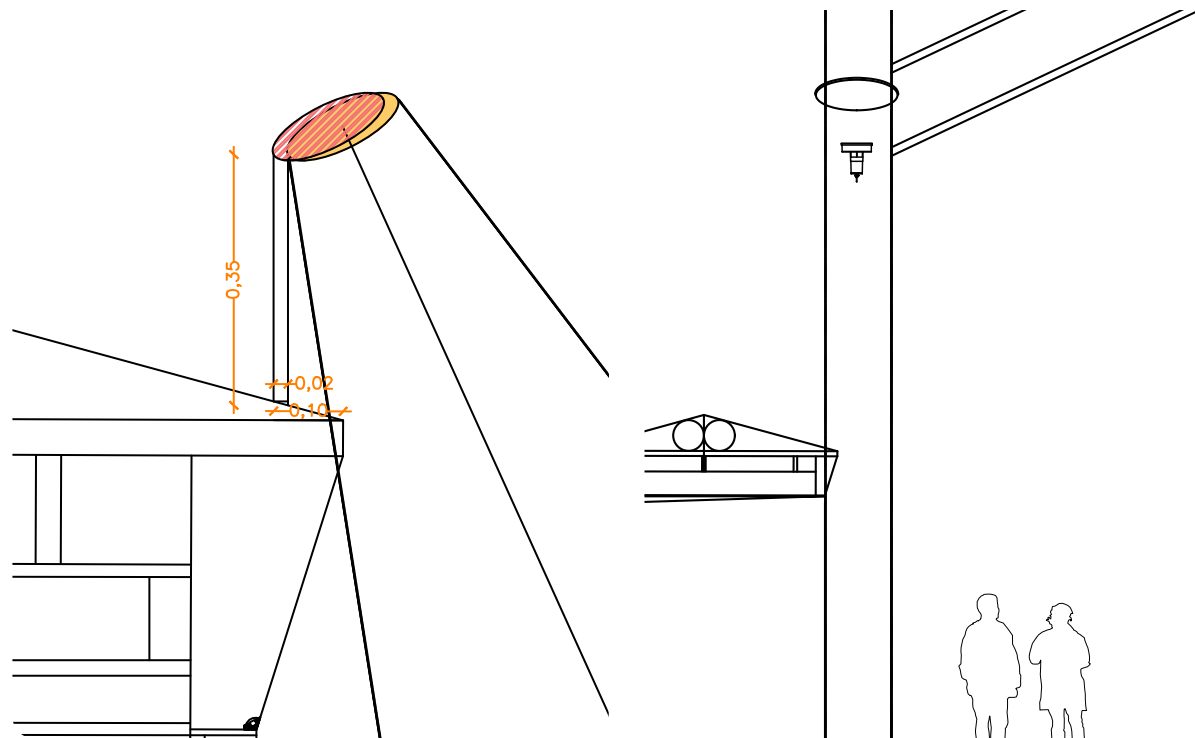
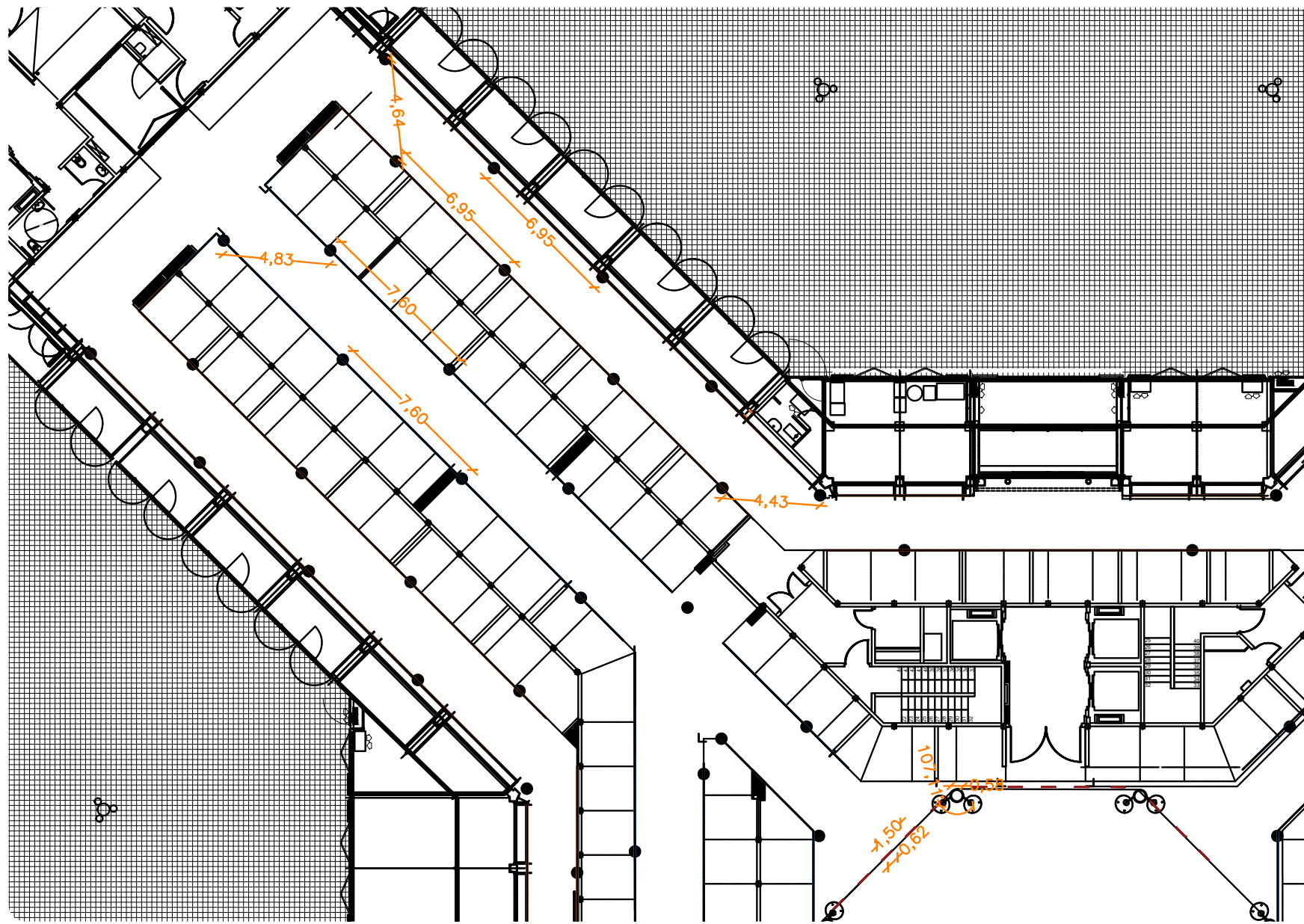


Design: New pathways

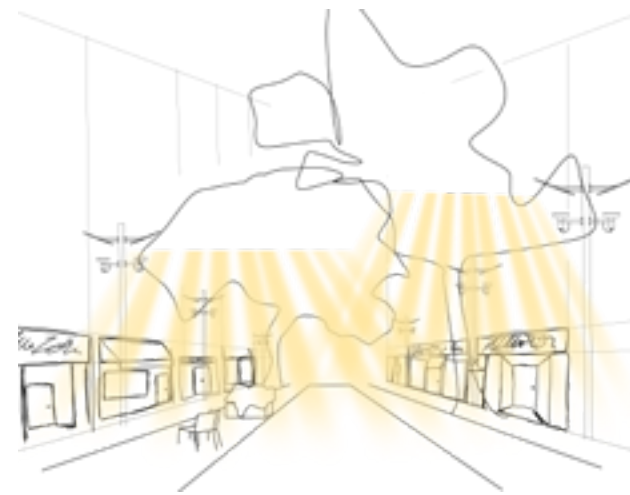








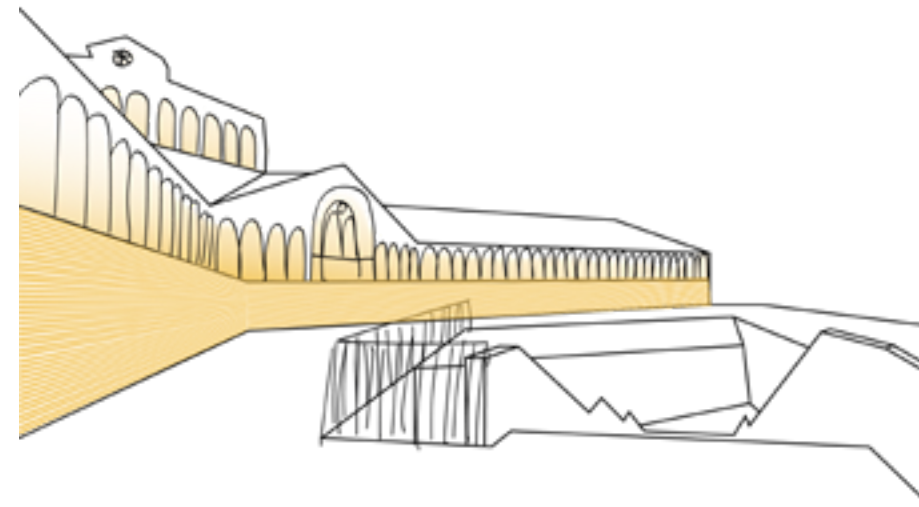
Intentions



Street

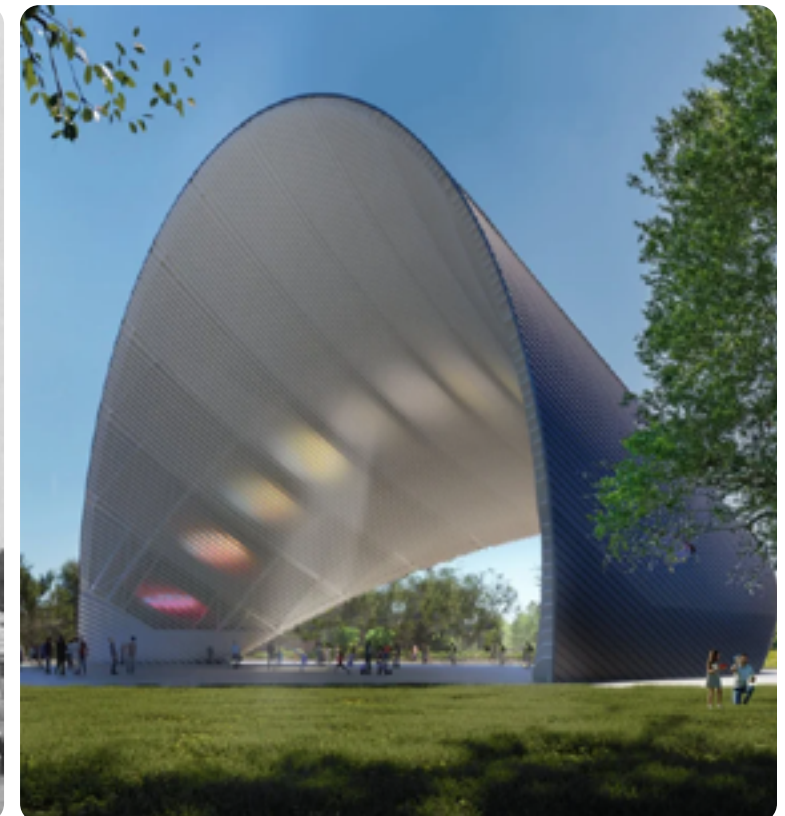


Filter



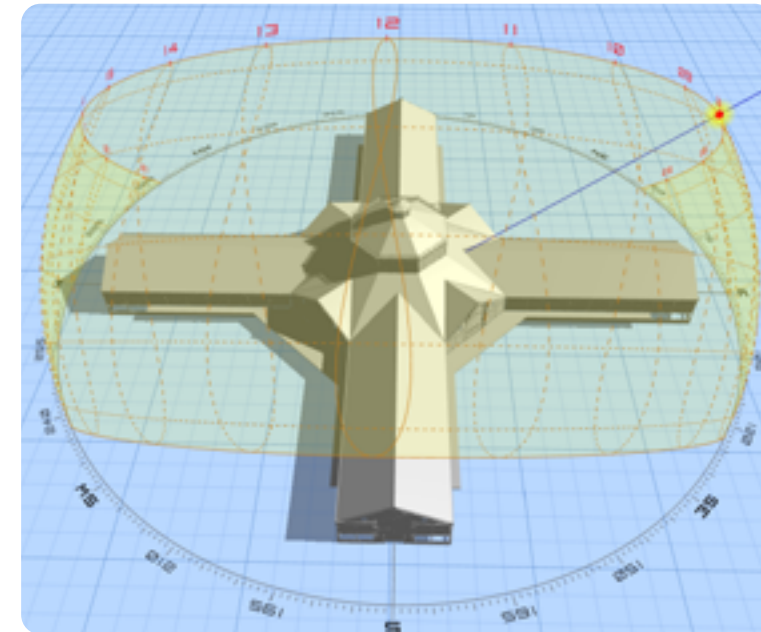
Market

Plaça de Sant Antoni

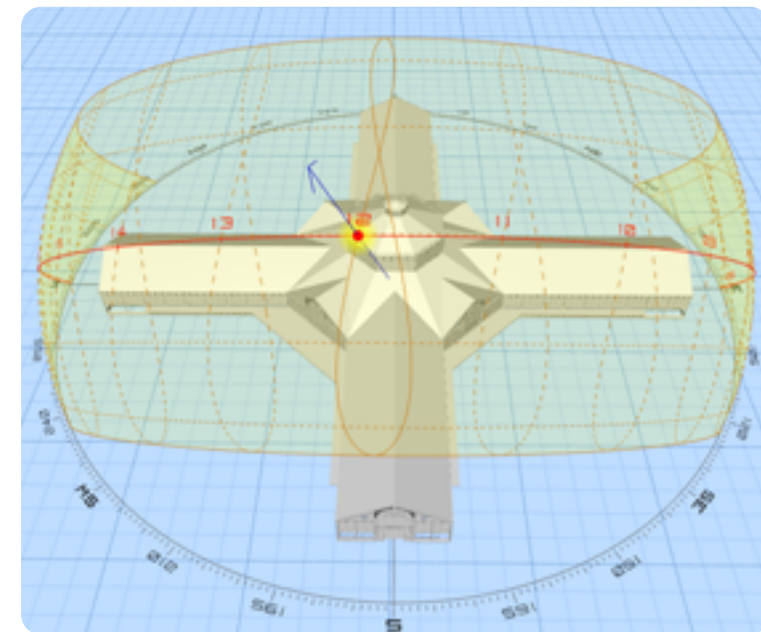
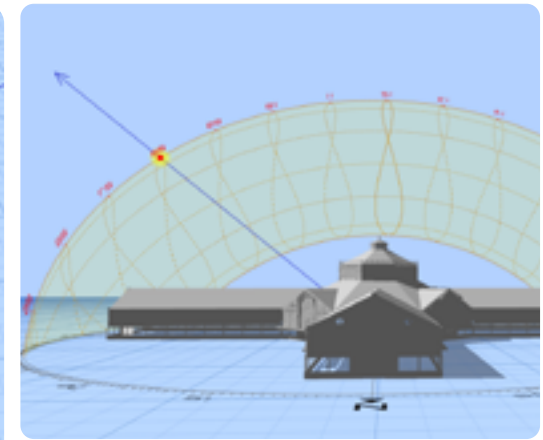




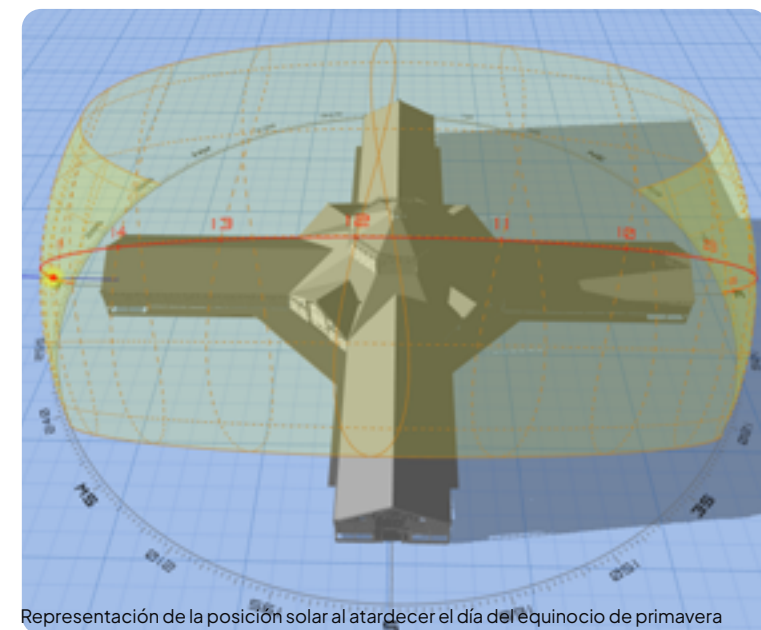
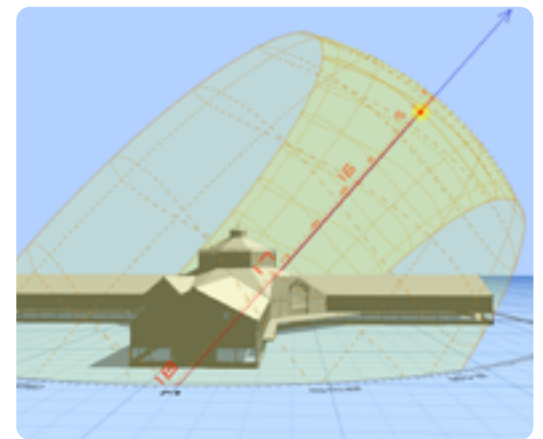
Barcelona's Compass



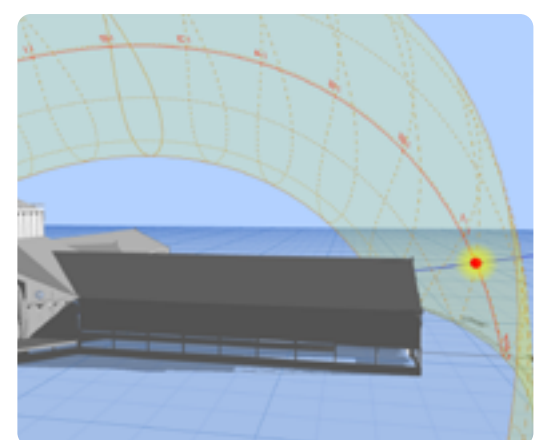
Representación de la posición solar a las 8am el día del solsticio de verano.

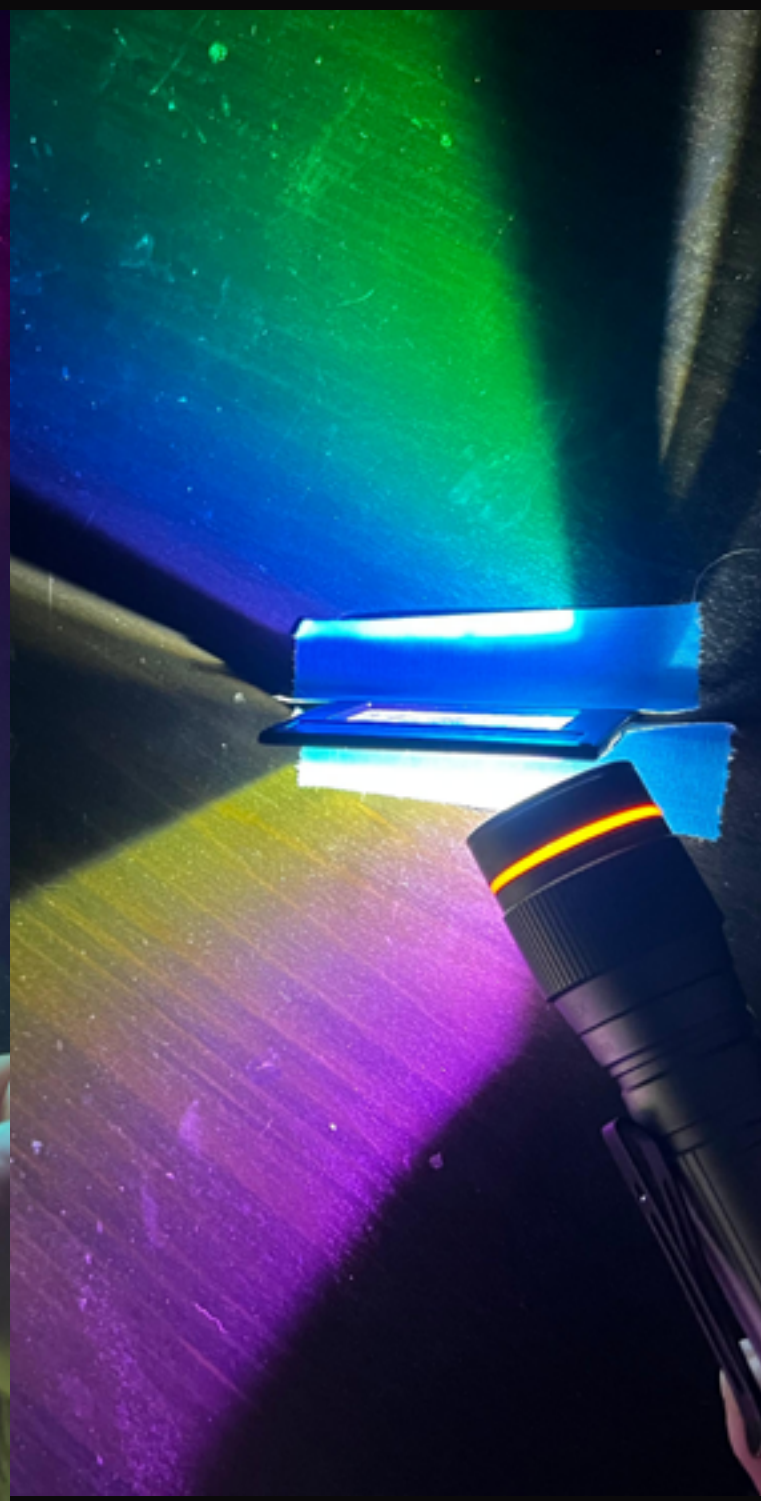
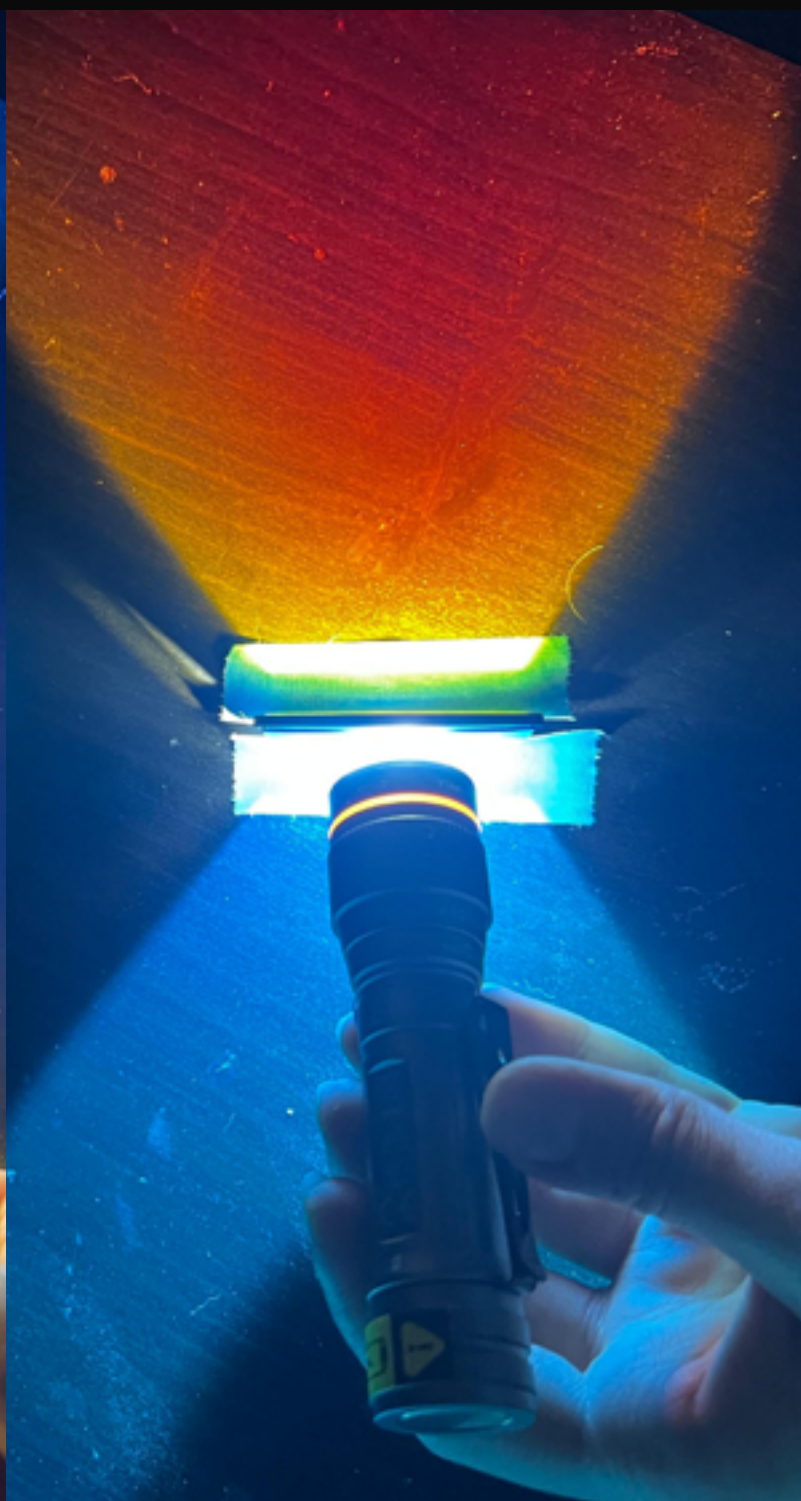
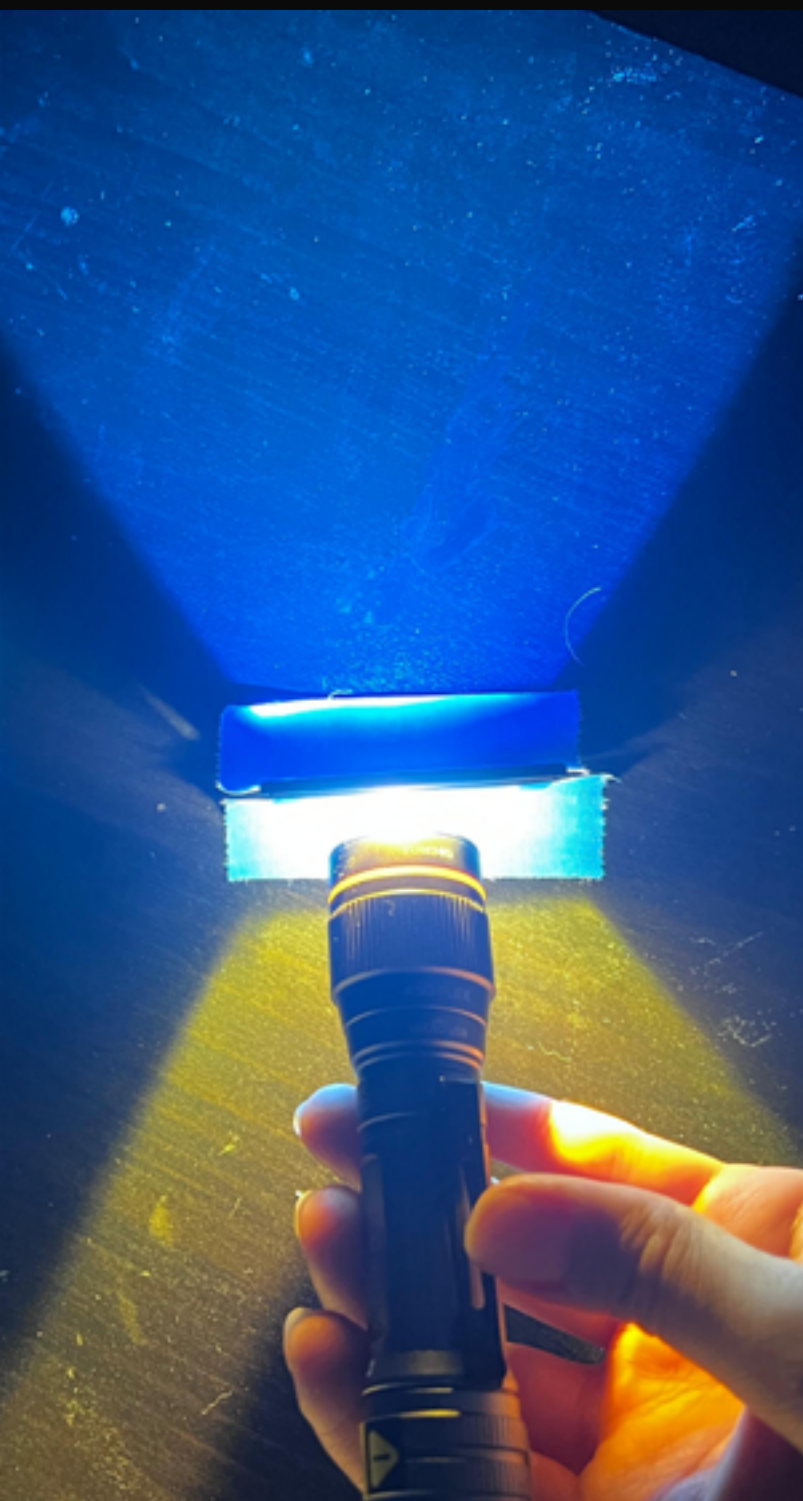


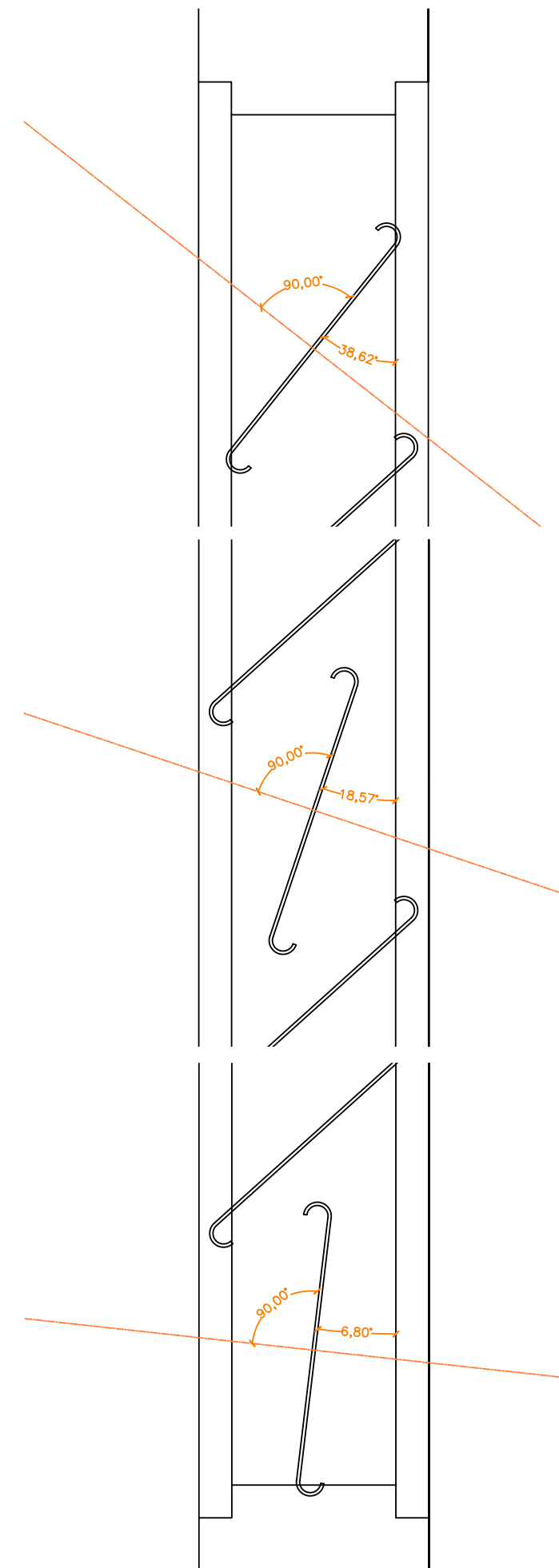
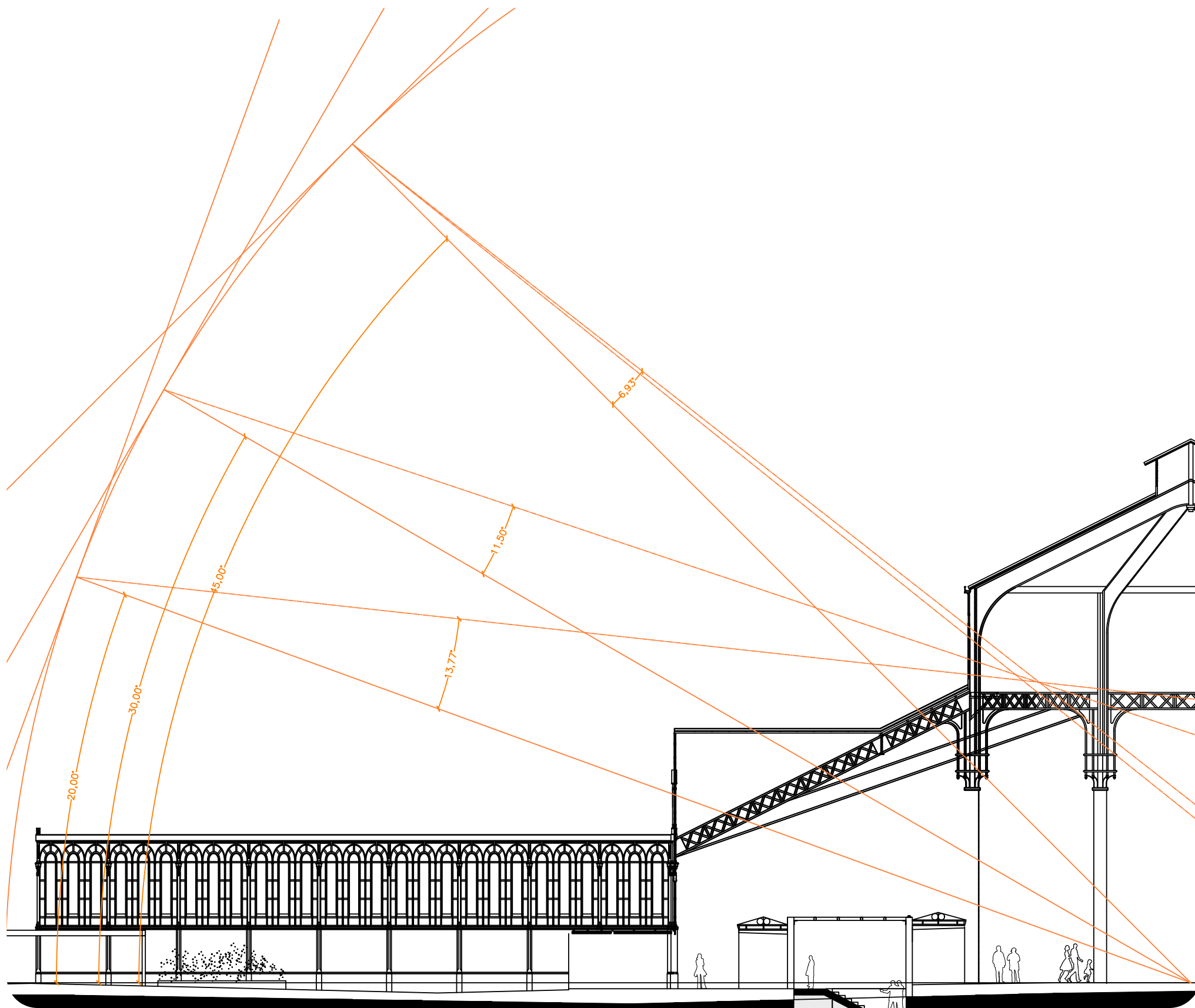
Representación de la posición solar al mediodía el día del equinocio de otoño

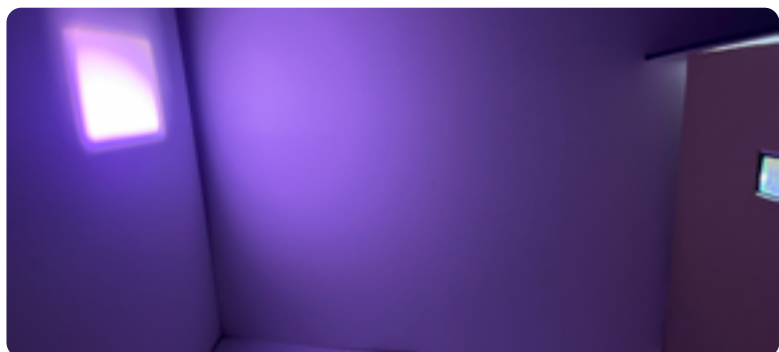


Representación de la posición solar al atardecer el día del equinocio de primavera

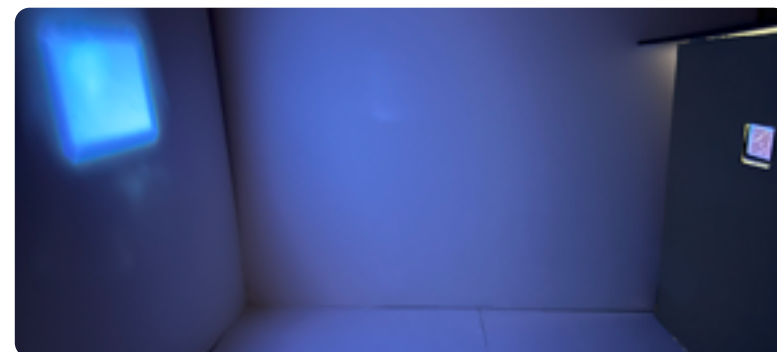
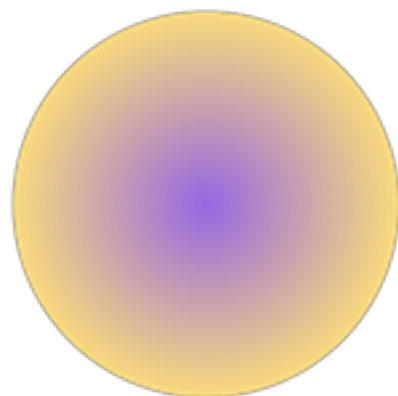








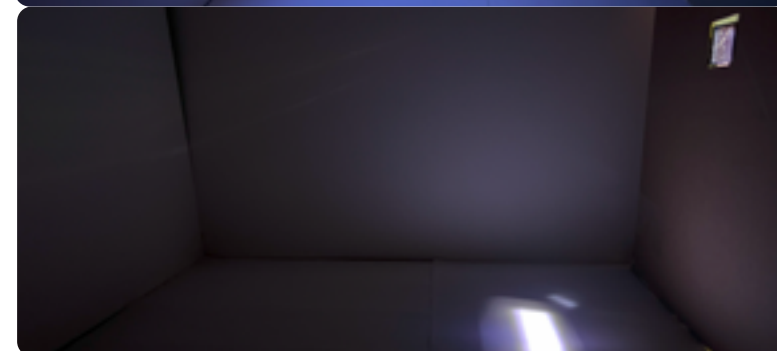
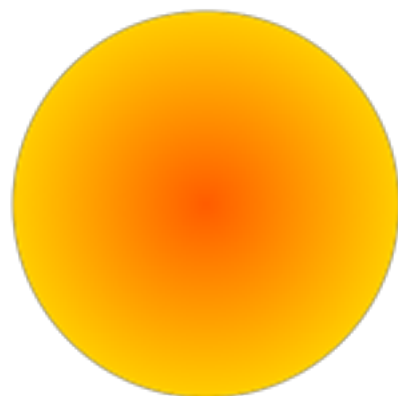
Rosco Permacolor 1337 Pale Pink



Rosco Permacolor 3202 Full Blue CTB



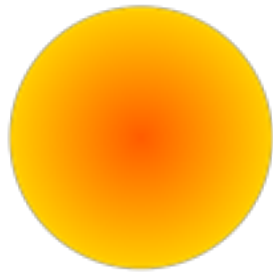
Rosco Permacolor 5900 Orange



Rosco Permacolor 10B6 Industrial Green



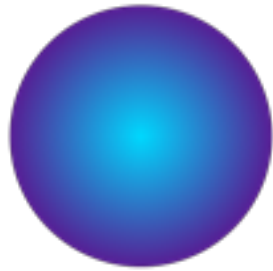
Rosco Permacolor 5900 Orange



Rosco Permacolor 3401 Full CTO



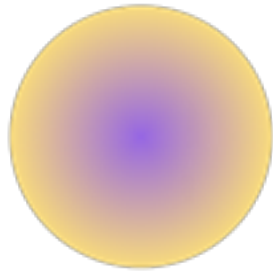
Rosco Permacolor 5590 Cyan



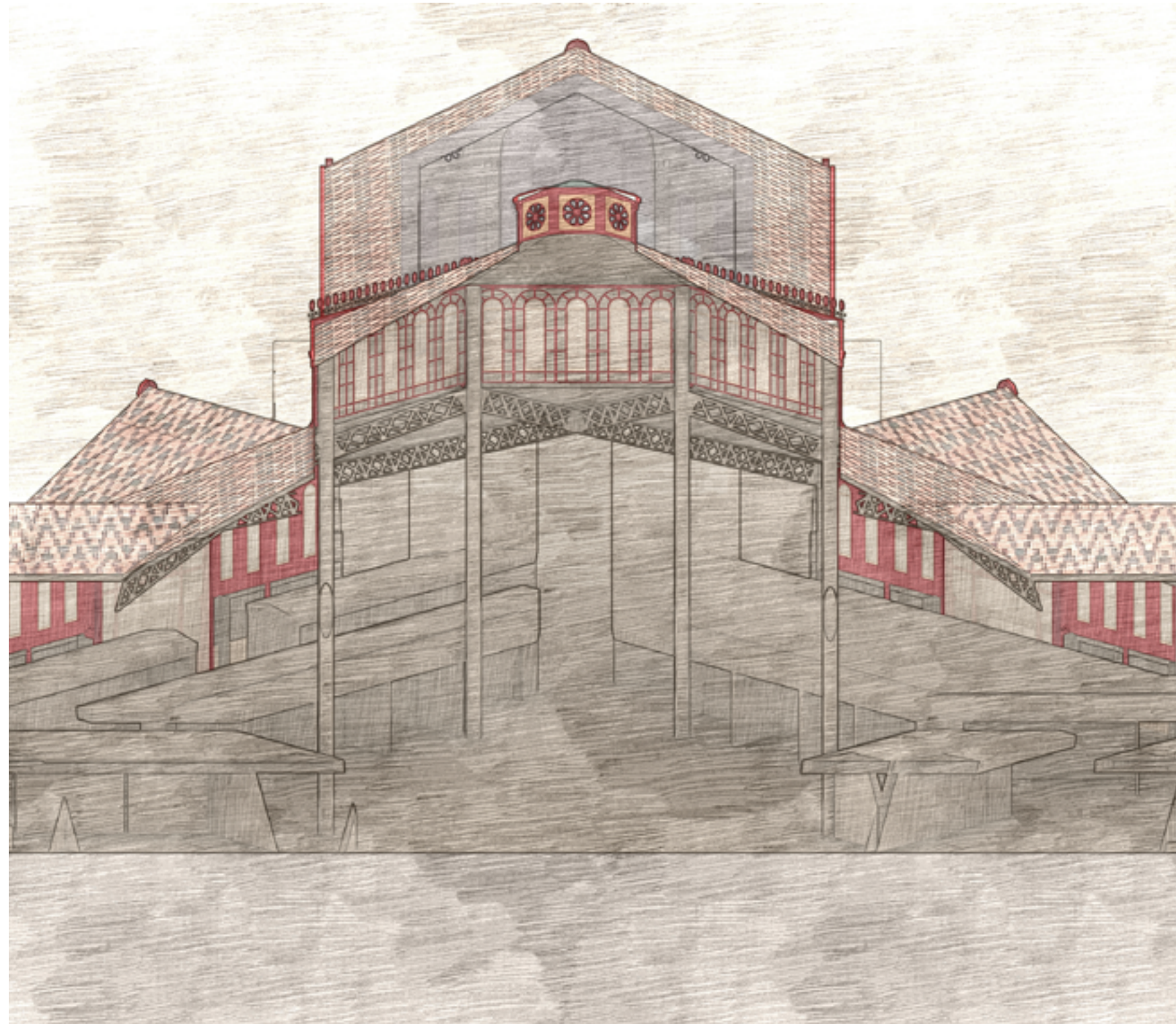
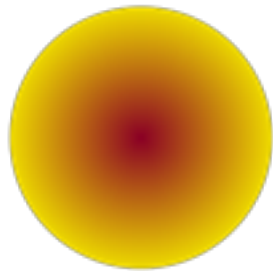
Rosco Permacolor 3200 Full Blue CFB

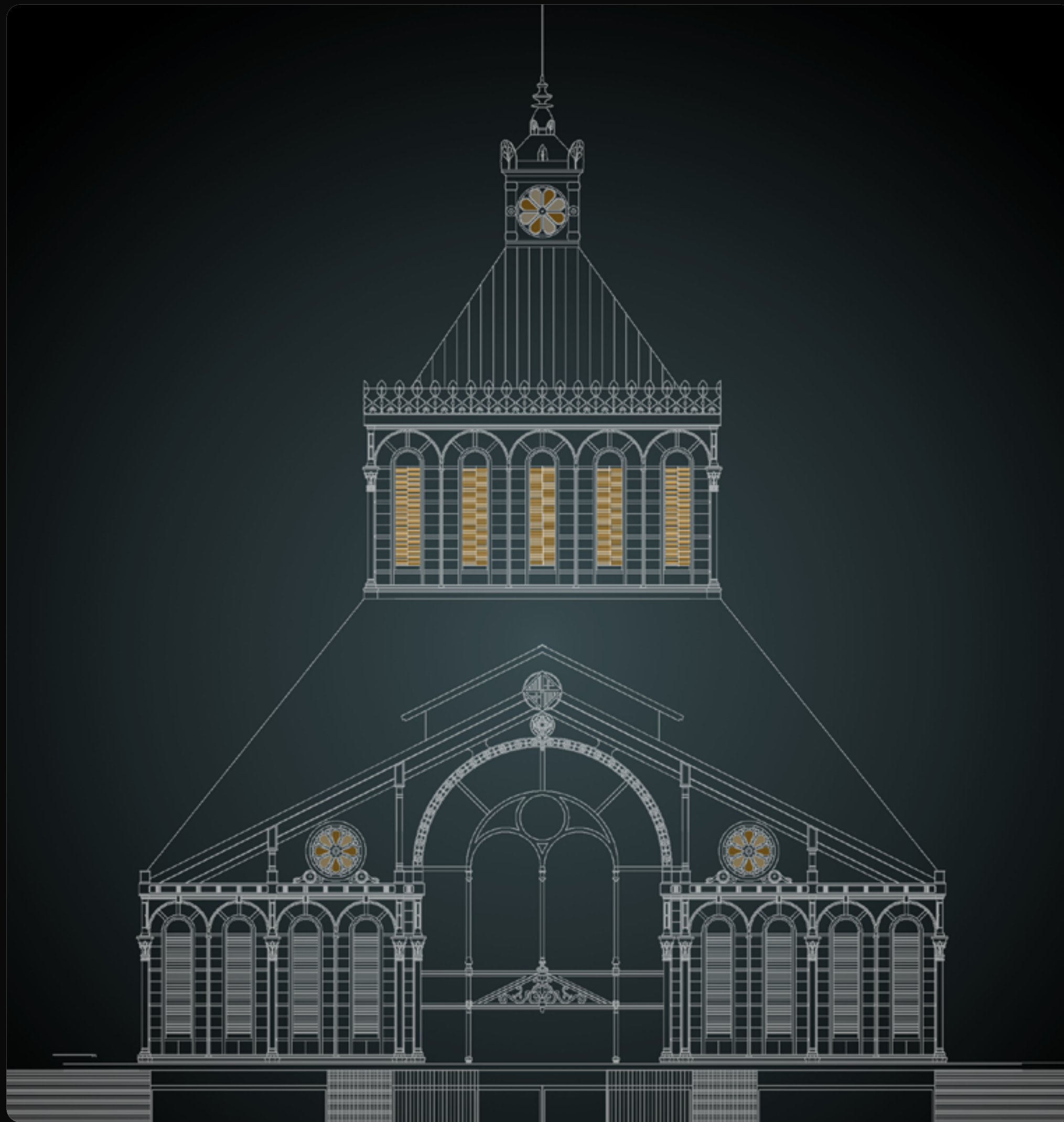


Rosco Permacolor 1337 Pale Pink

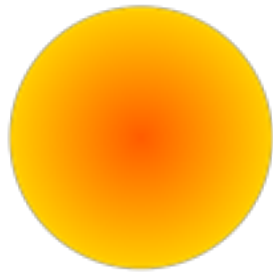


Rosco Permacolor 6100 Flame Red





Rosco Permacolor 5900-Orange



Rosco Permacolor 3401 Full CTO



Rosco Permacolor 5590 Cyan



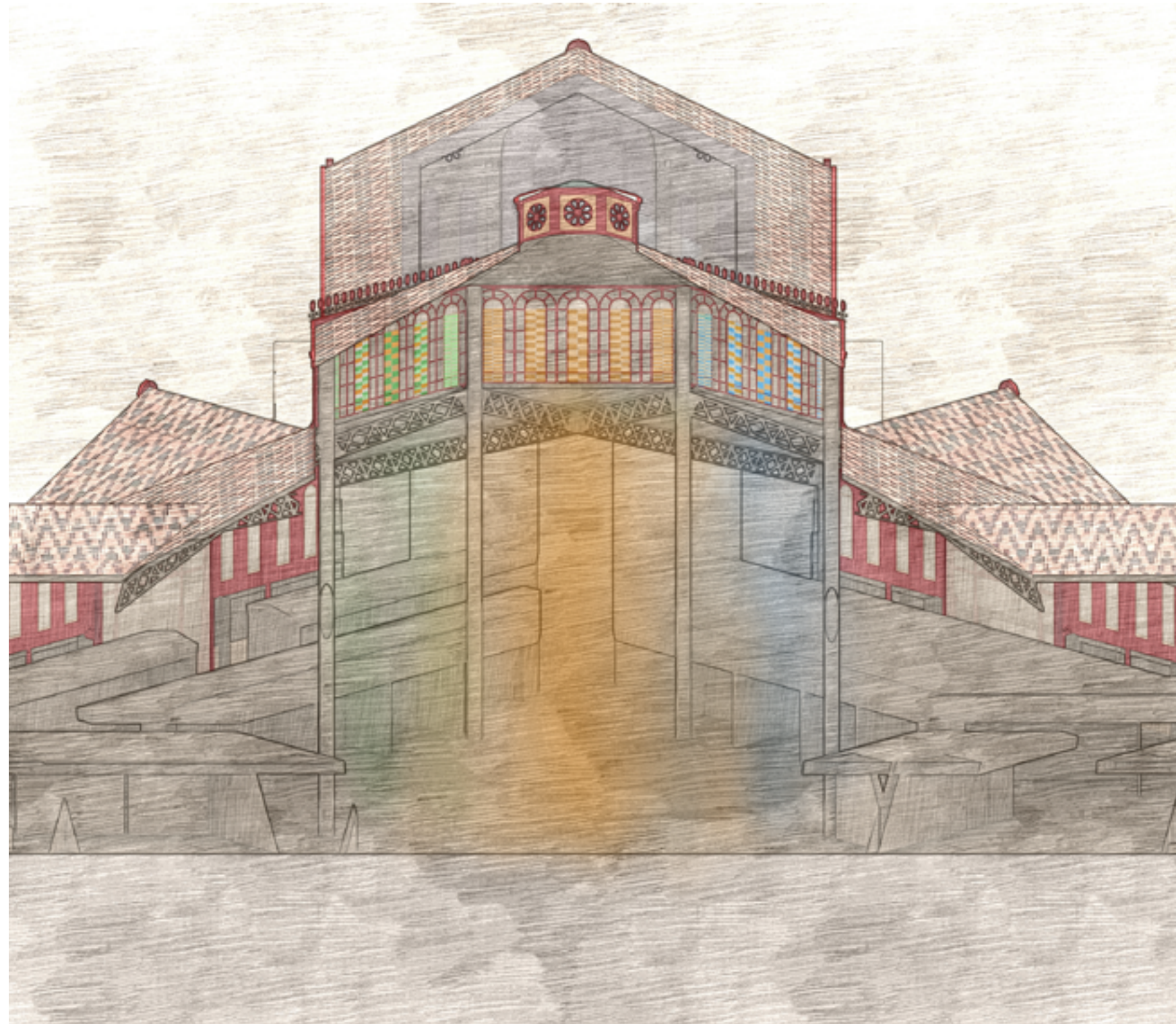
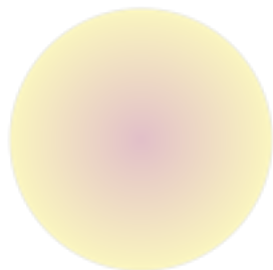
Rosco Permacolor 3200 Full Blue C78



Rosco Permacolor 1237 Pale Pink

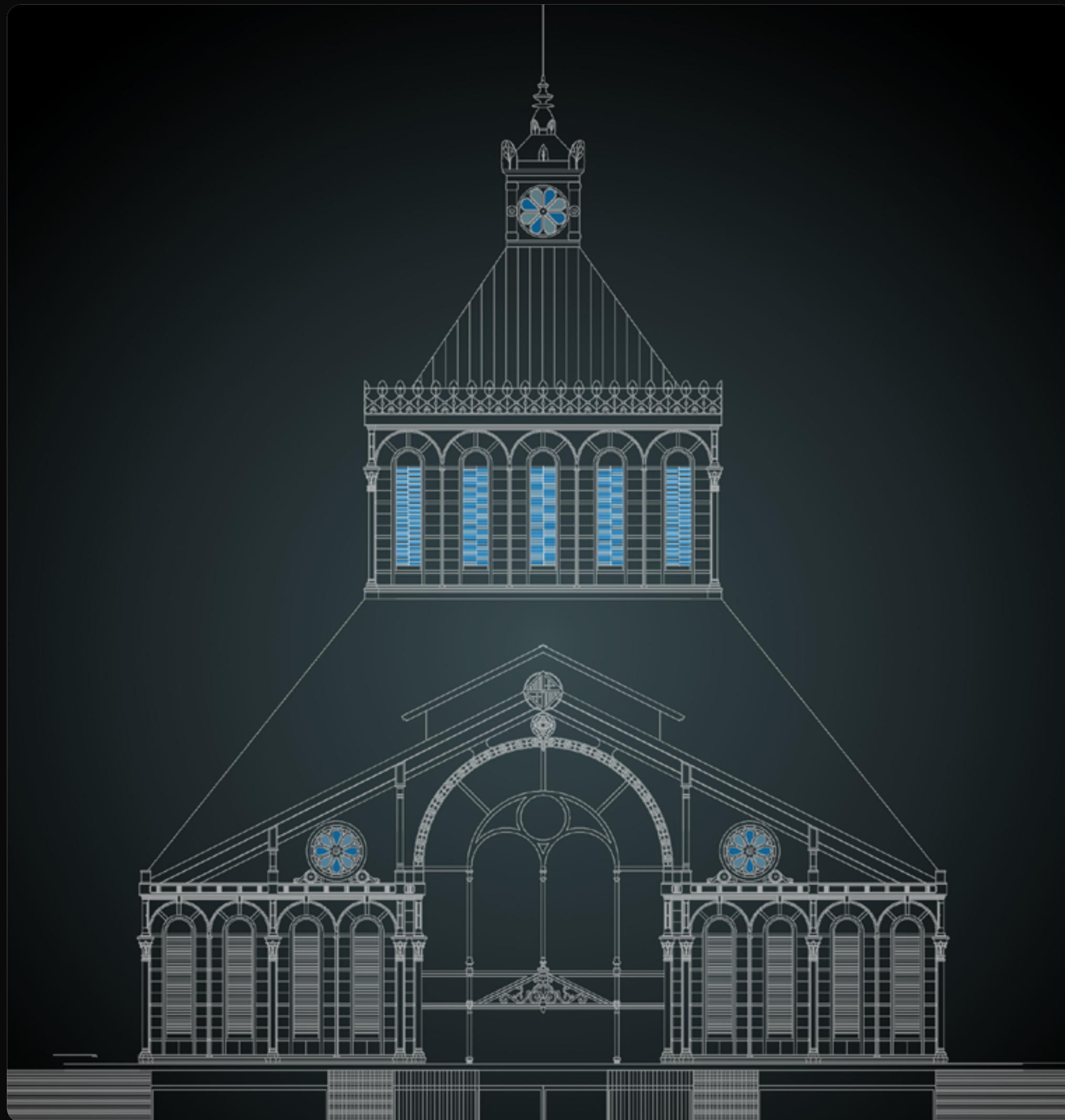


Rosco Permacolor 4000 Flame Red



East





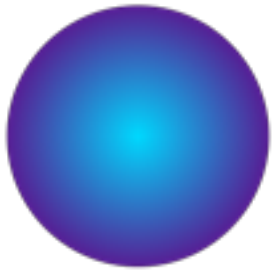
Rosco Permacolor 5900 Orange



Rosco Permacolor 3401 Full CTO



Rosco Permacolor 5590 Cyan



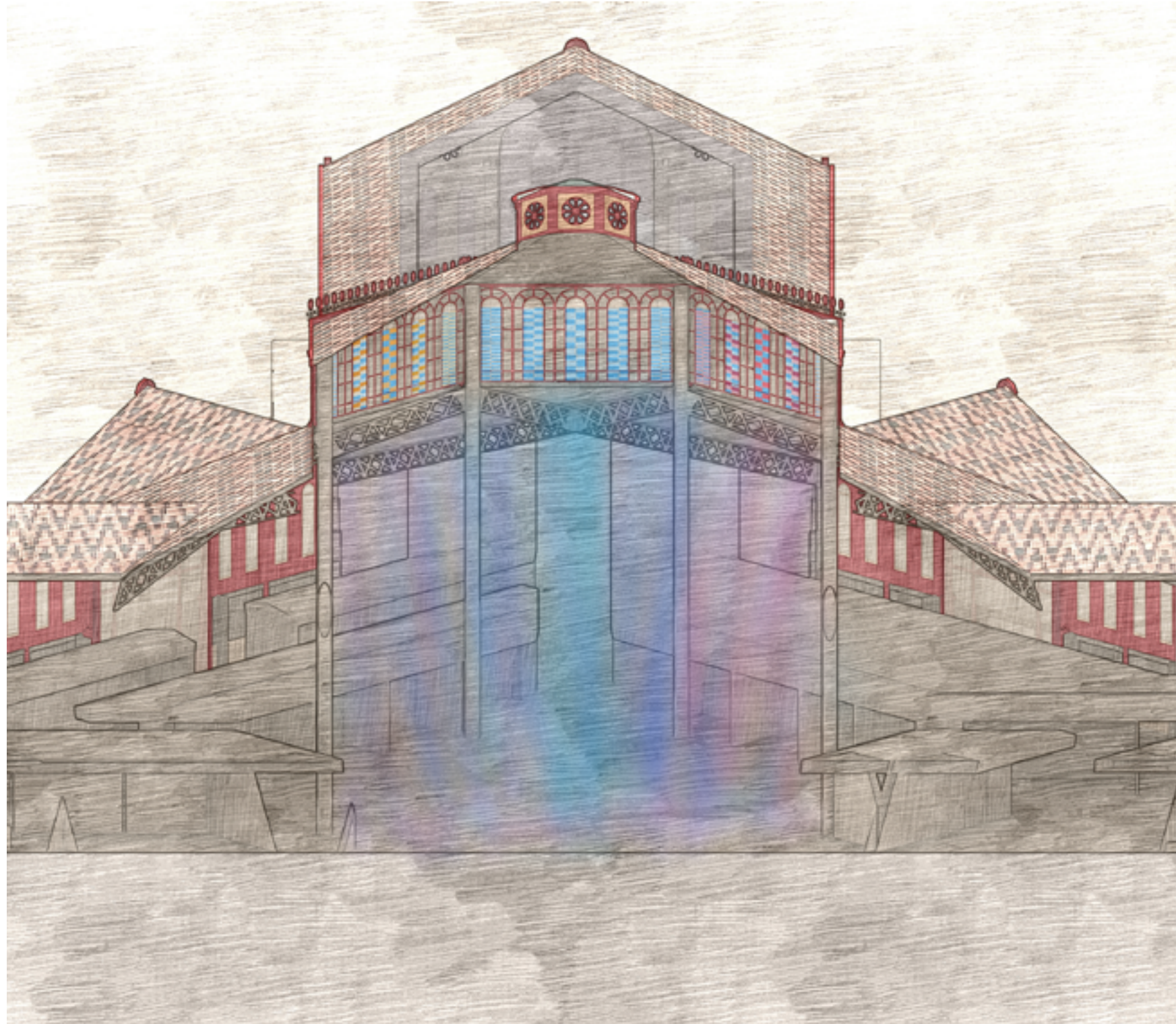
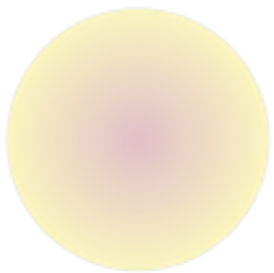
Rosco Permacolor 3200 Full Blue CFB



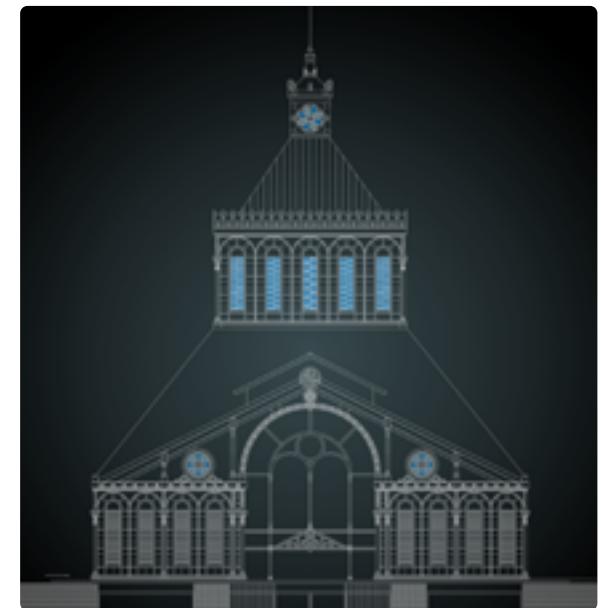
Rosco Permacolor 1237 Pale Pink

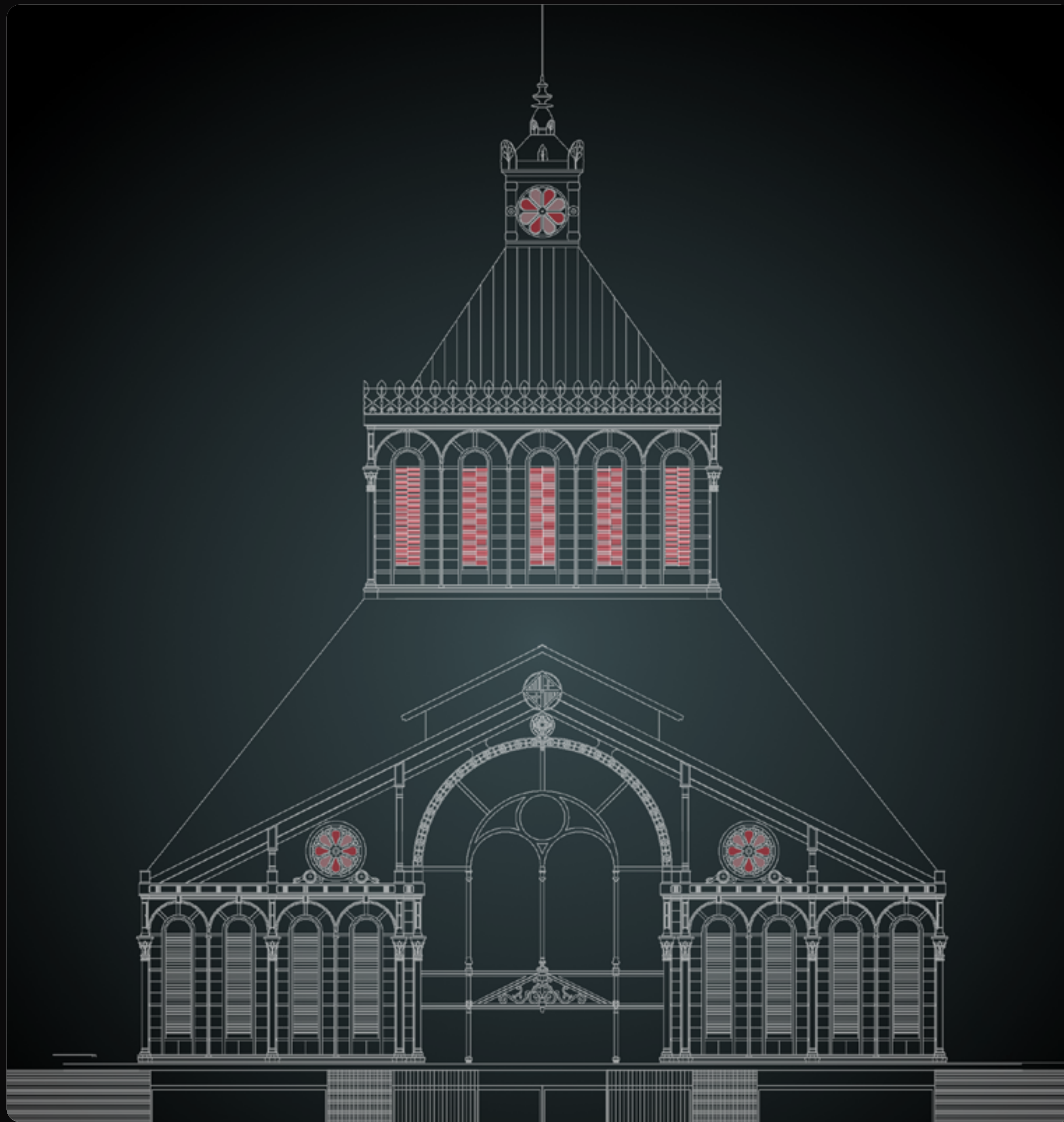


Rosco Permacolor 4000 Flame Red



South





Rosco Permacolor 5900 Orange



Rosco Permacolor 3401 Full CTO



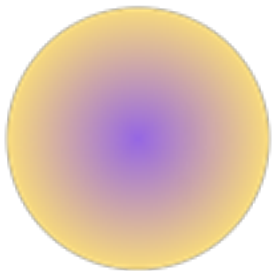
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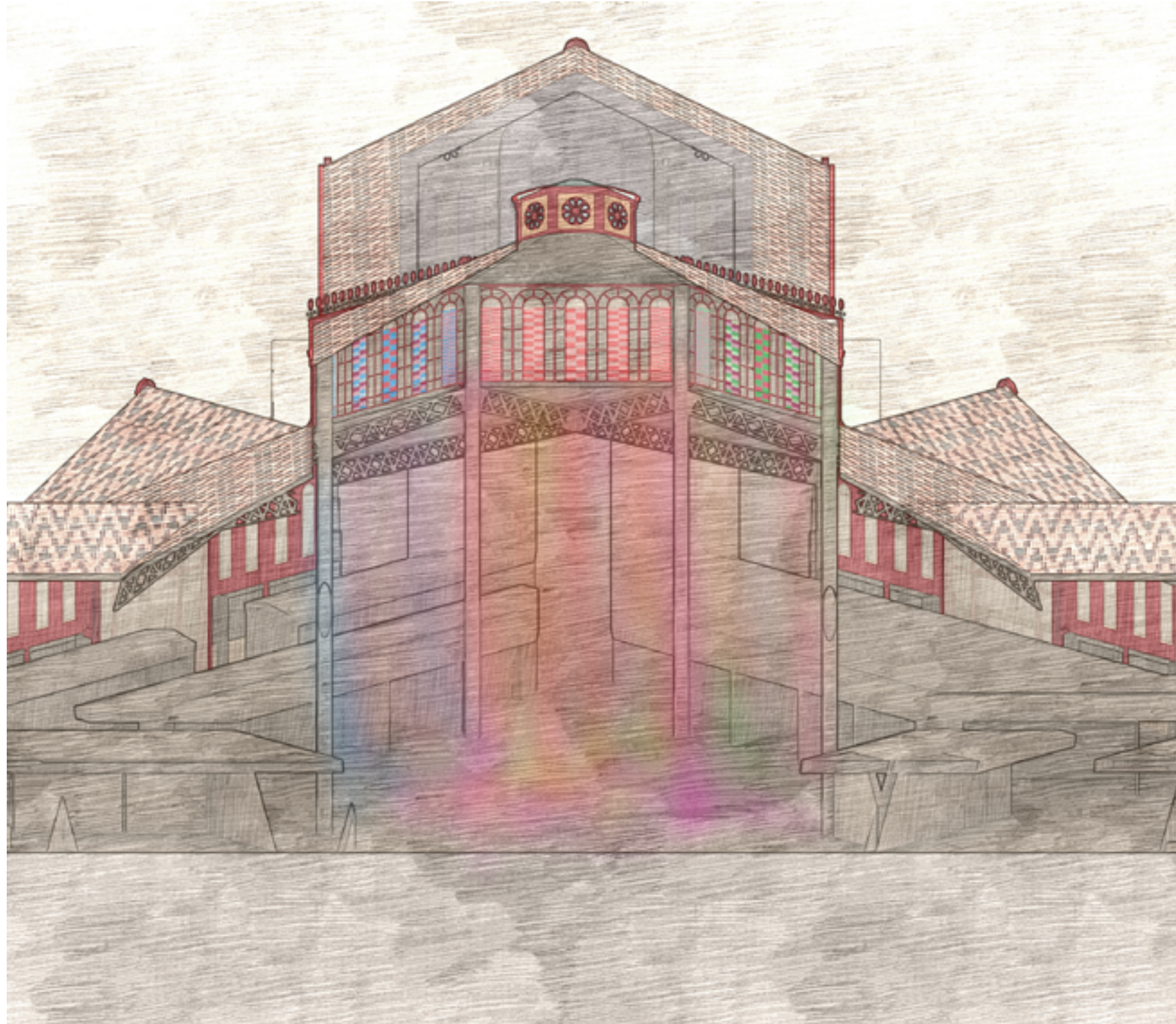
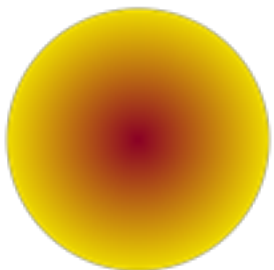
Rosco Permacolor 3200 Full Blue C78



Rosco Permacolor 1537 Pale Pink

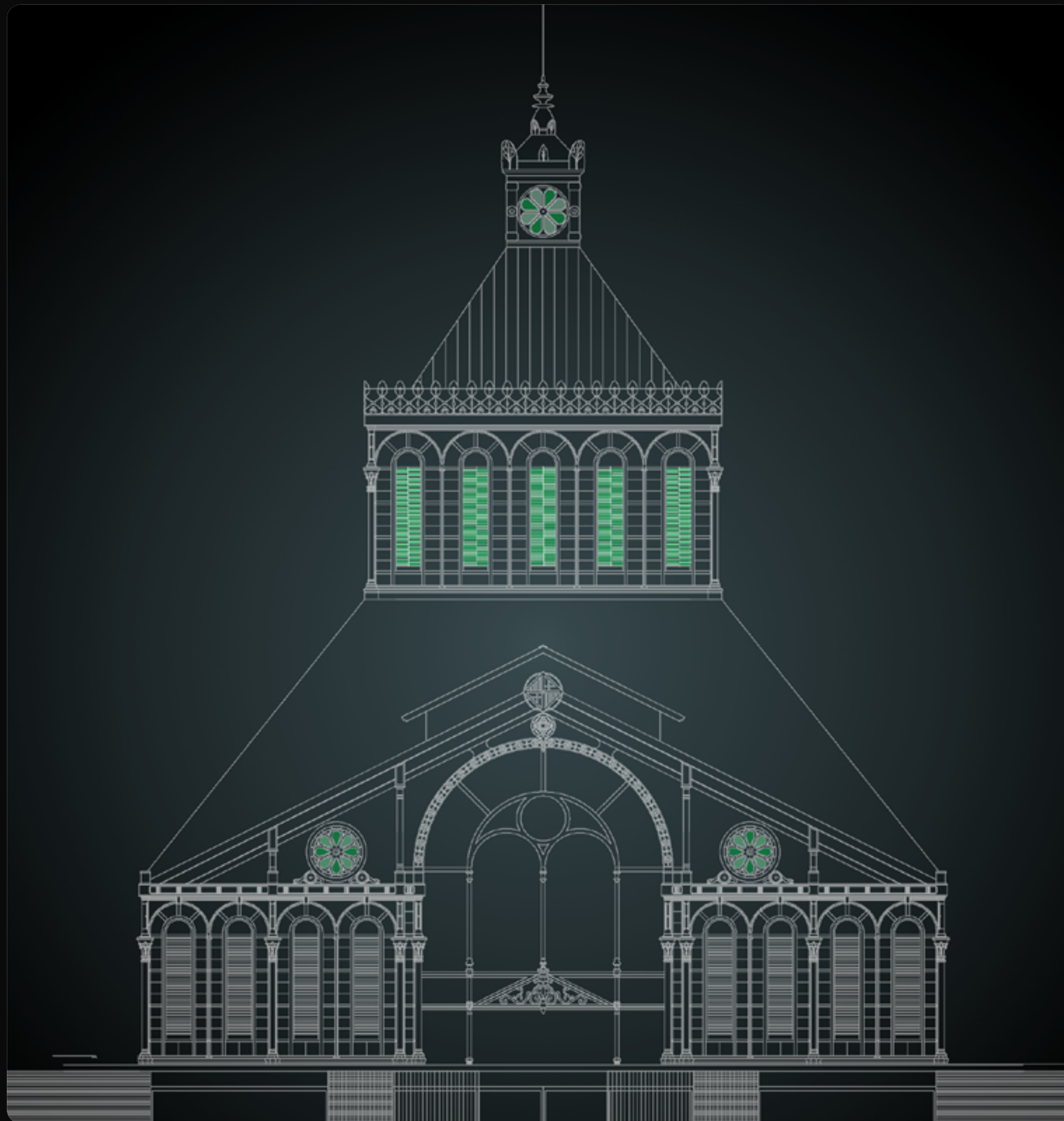


Rosco Permacolor 6100 Flame Red



West





Rosco Permacolor 1086 Industrial Green



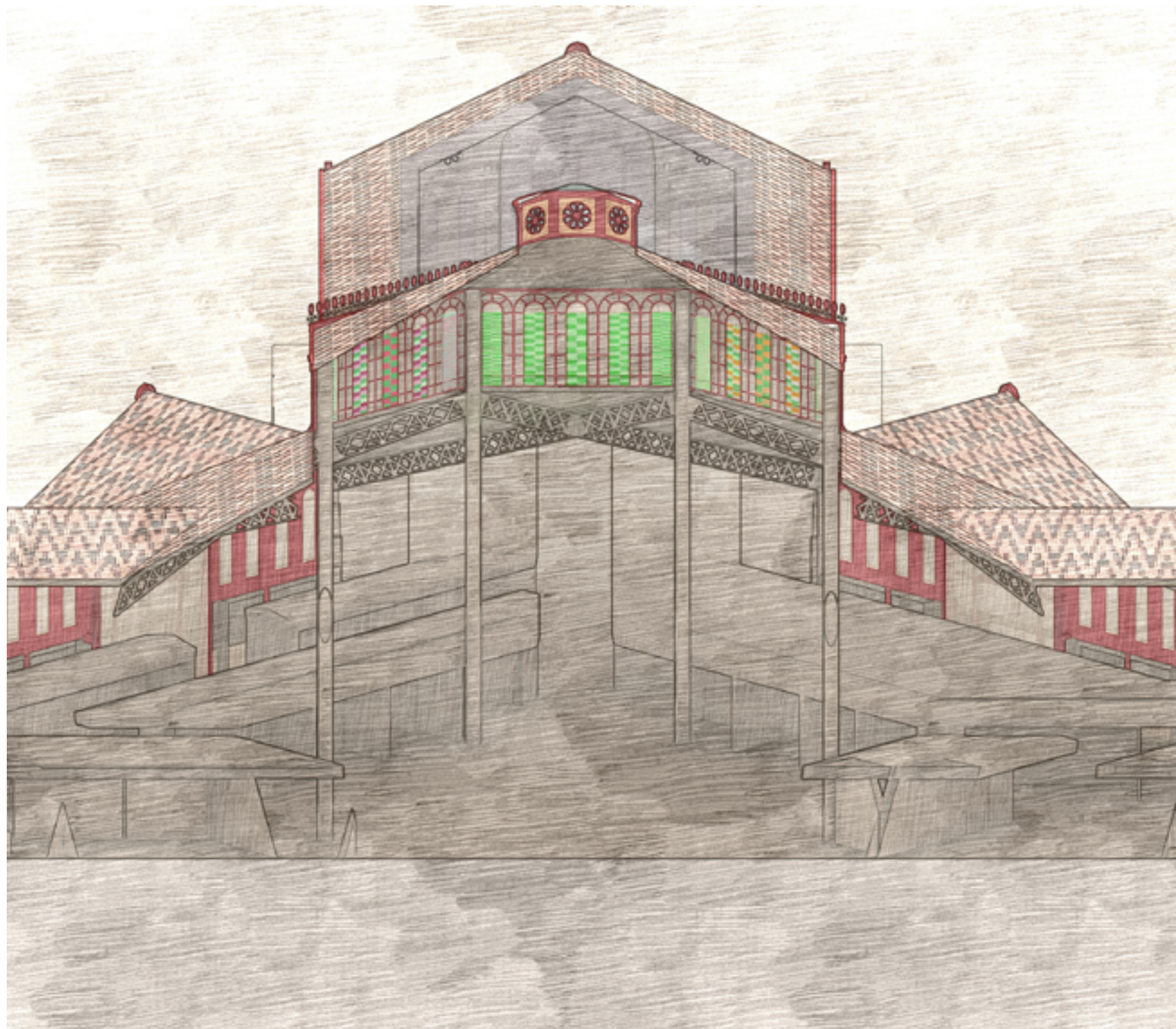
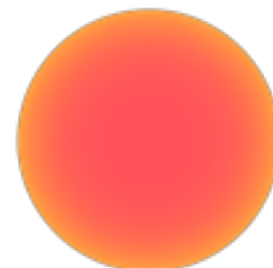
Rosco Permacolor 1700 Sea Blue



Rosco Permacolor 1086 Industrial Green Invertido



Rosco Permacolor 1700 Sea Blue Invertido



North



North

Rosco Permacolor 1084 Industrial Green



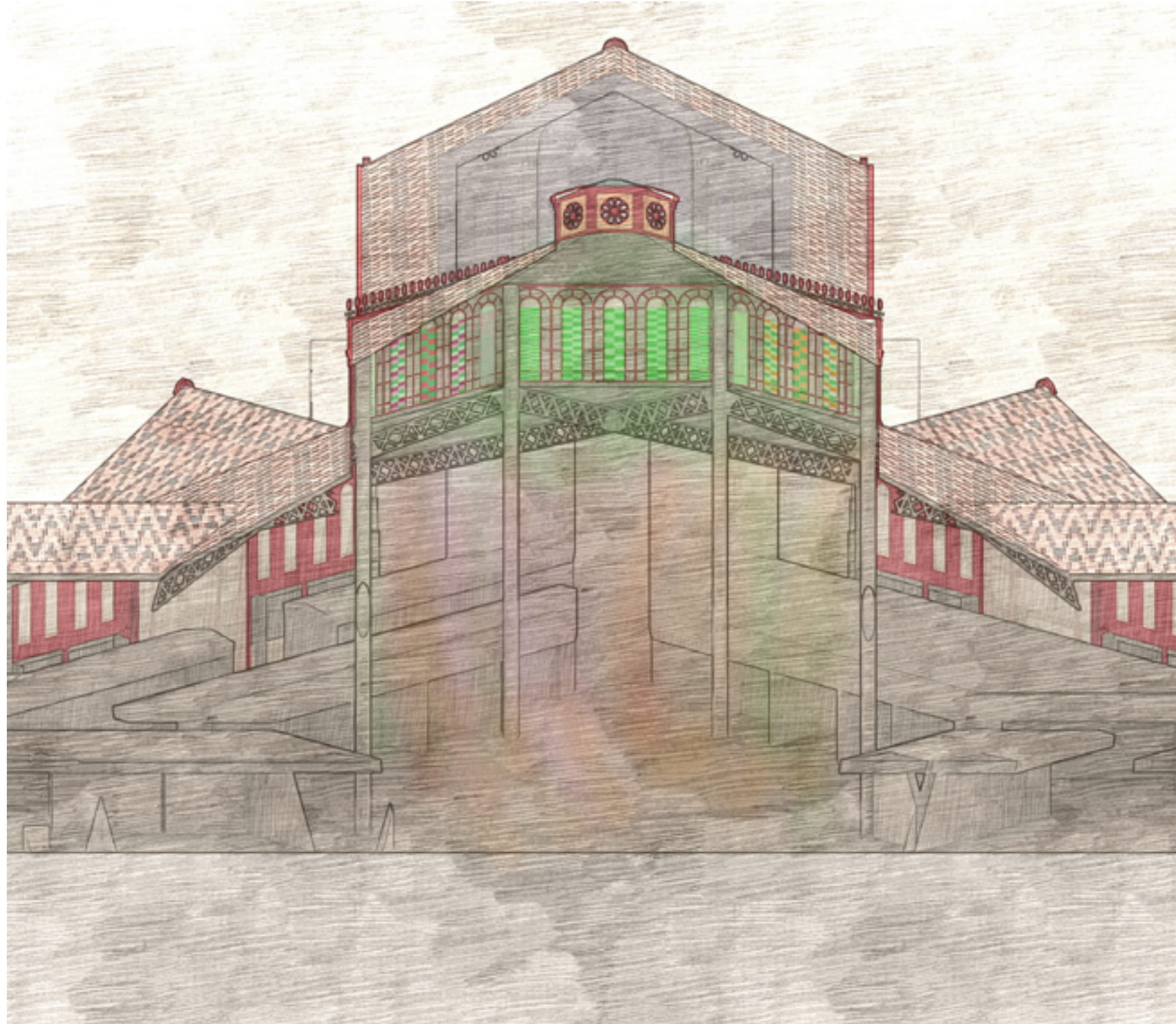
Rosco Permacolor 1700 Sea Blue

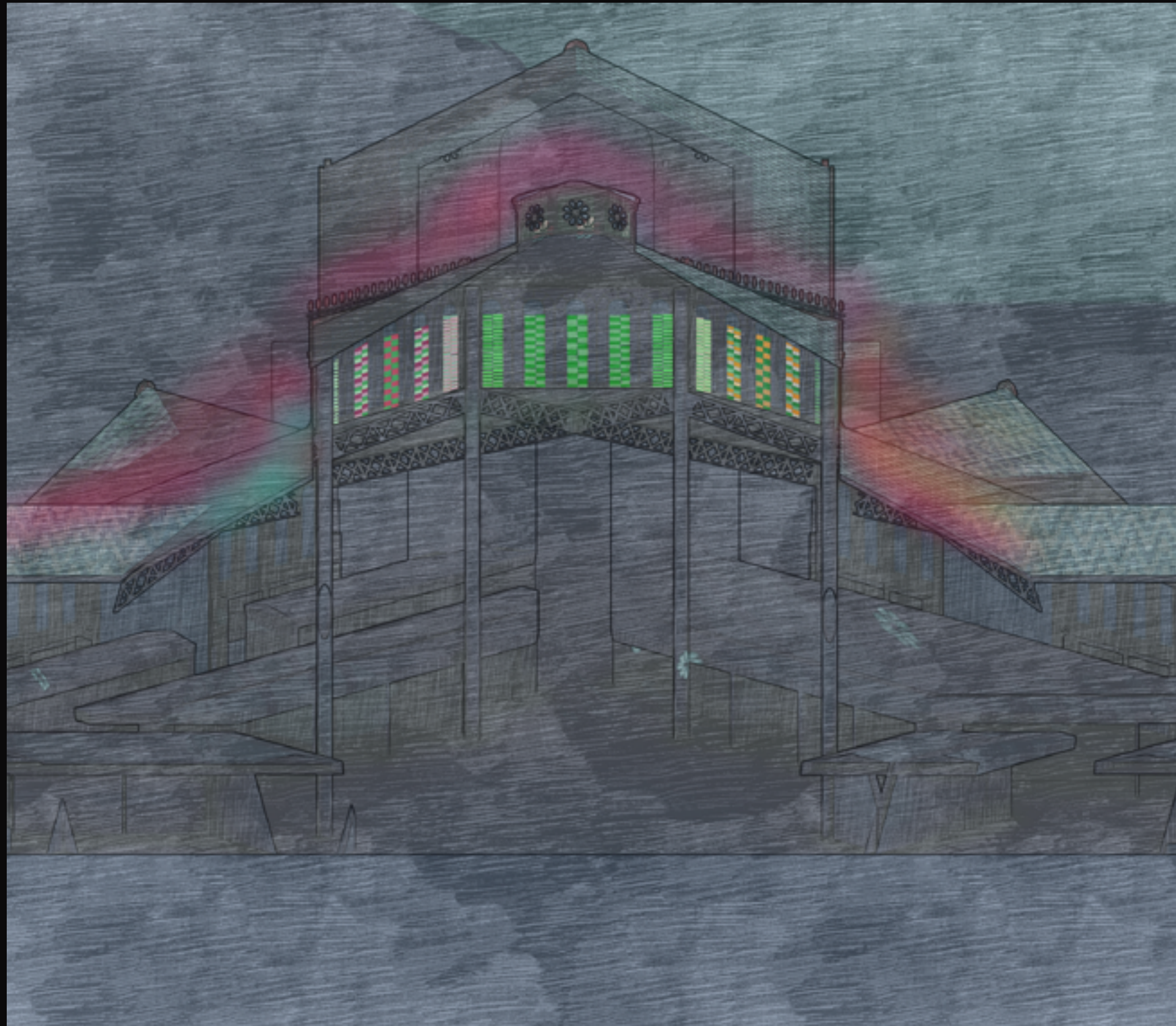
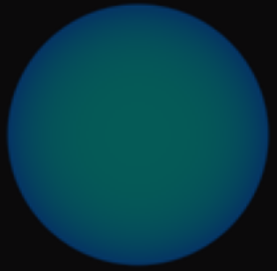
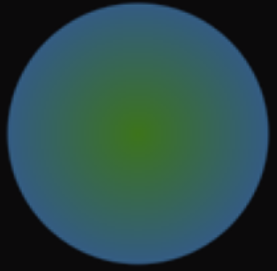


Rosco Permacolor 1084 Industrial Green Inverted



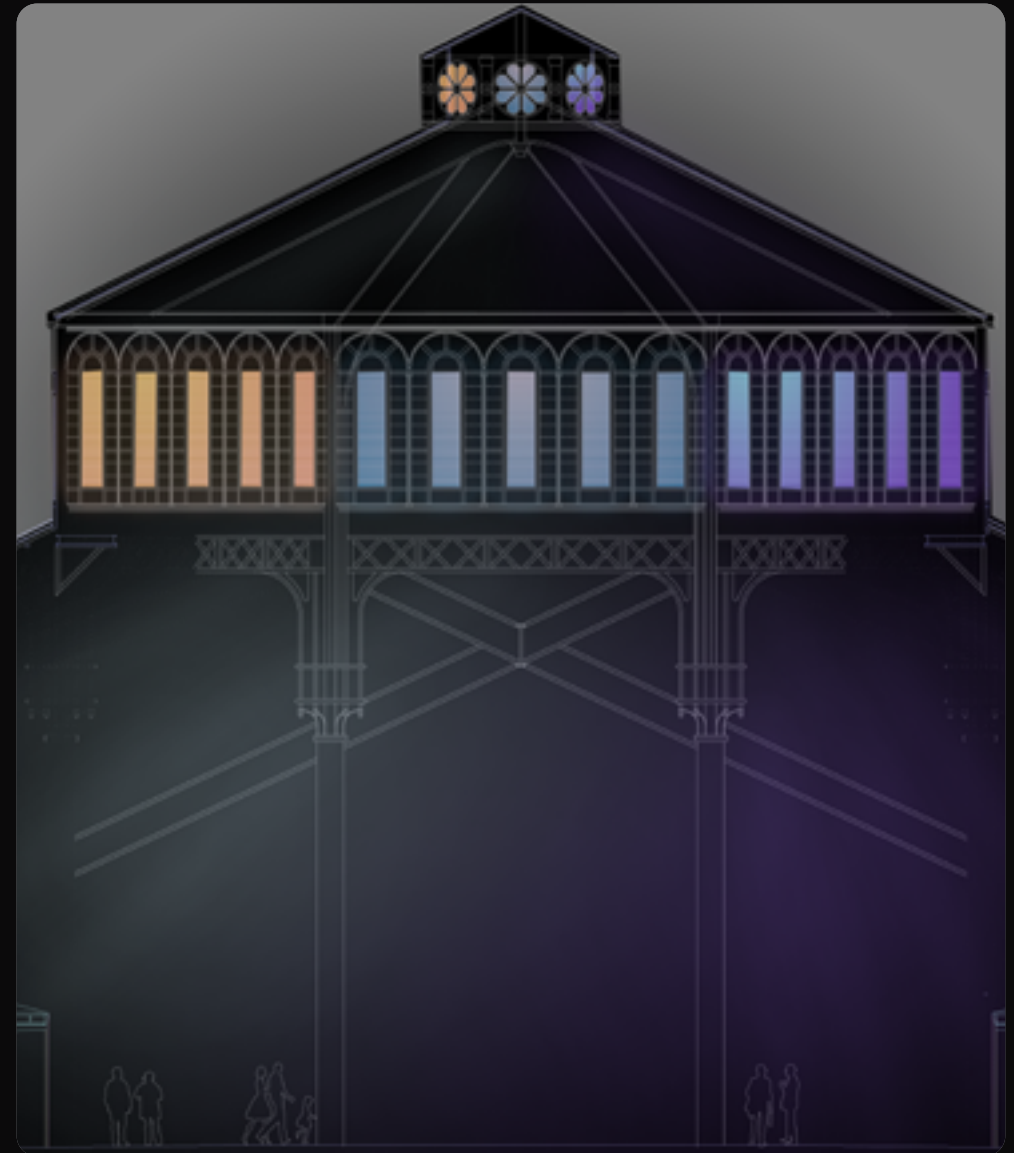
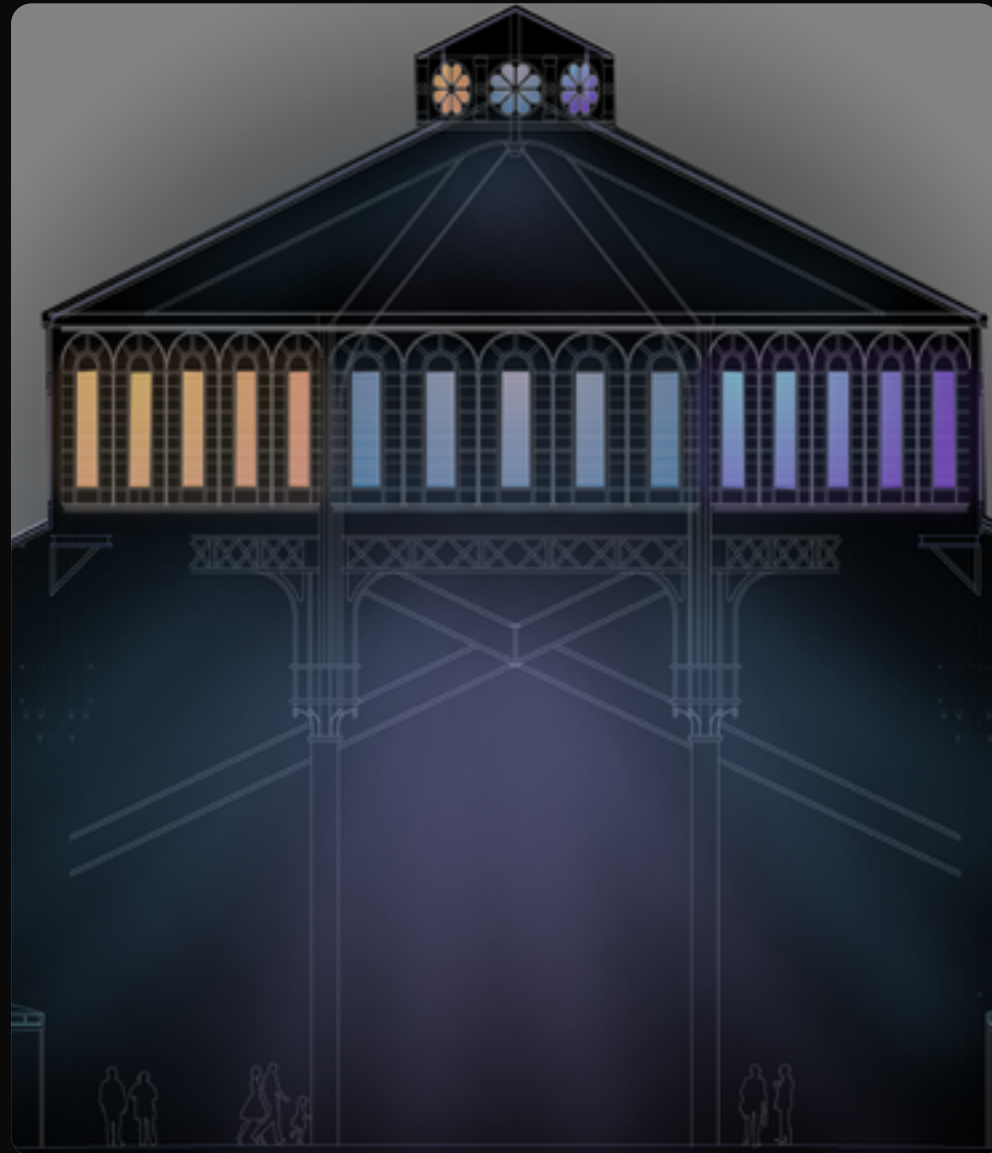
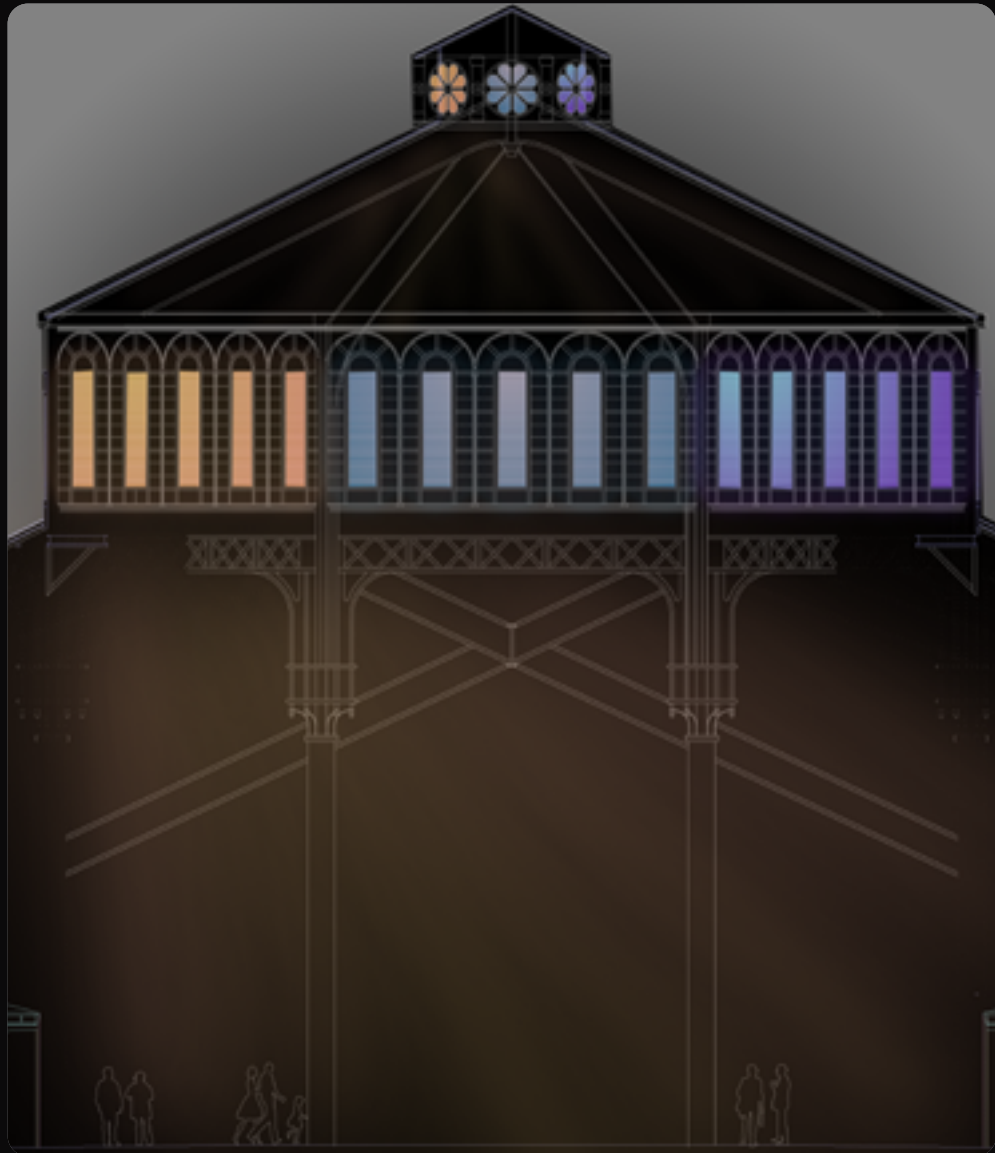
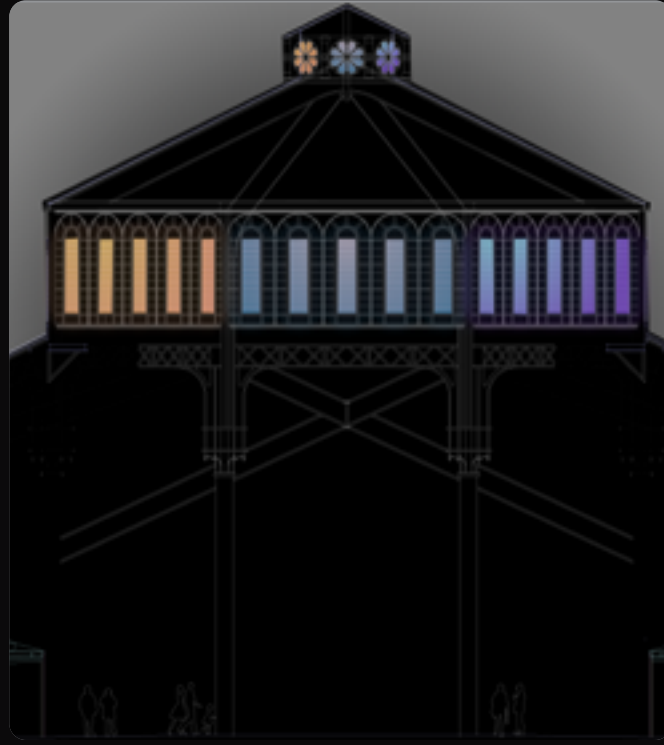
Rosco Permacolor 1700 Sea Blue Inverted

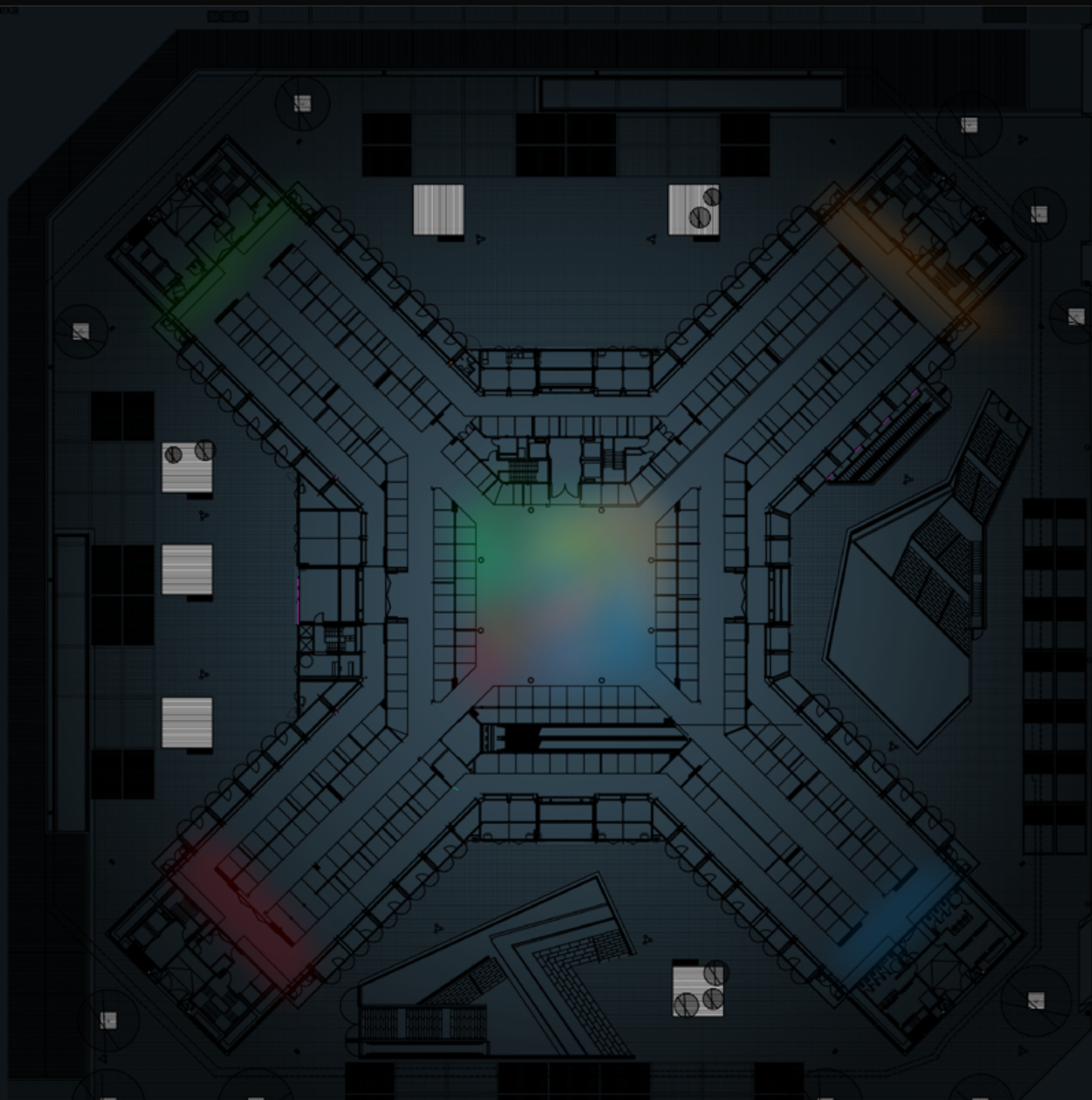


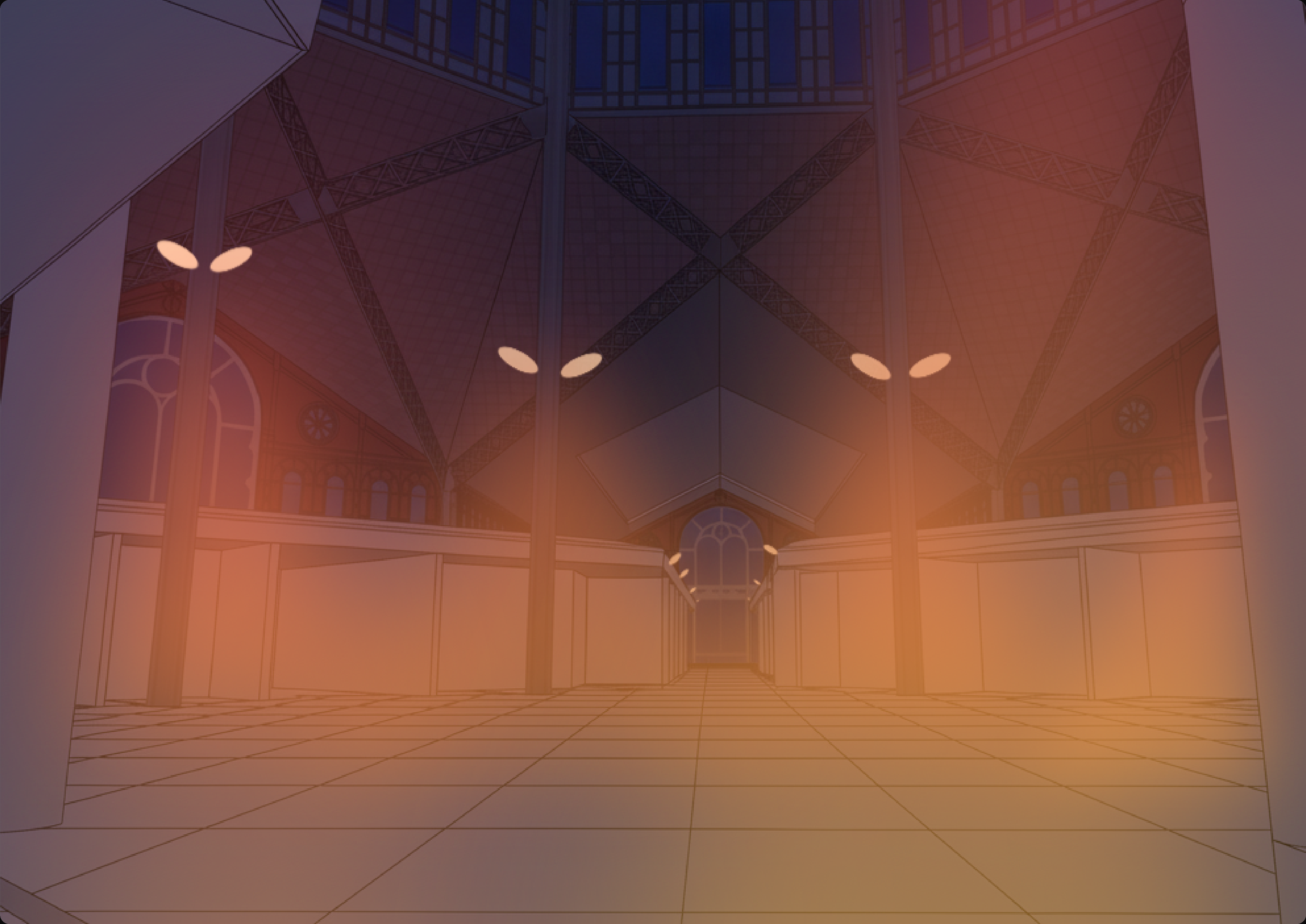


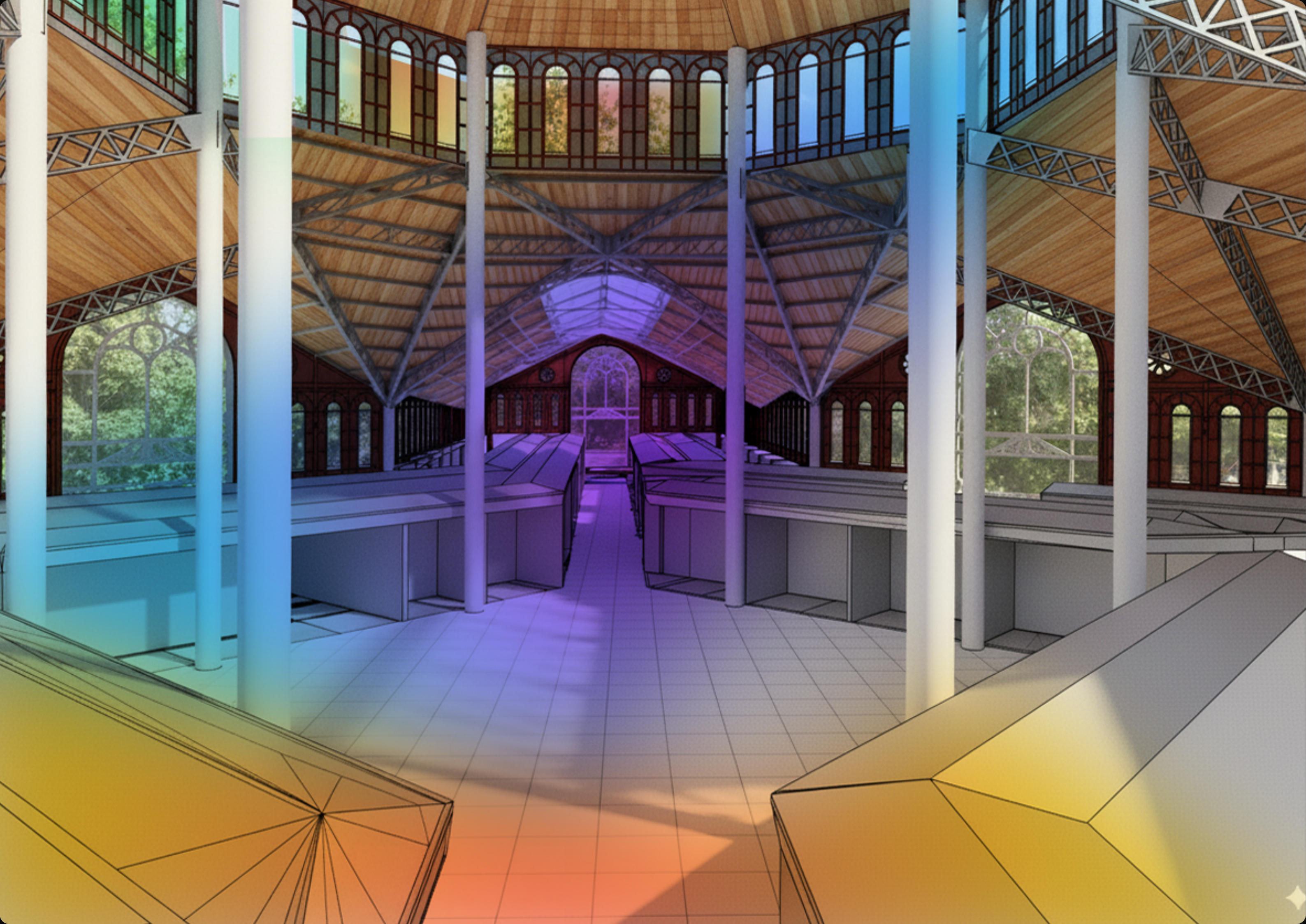
North



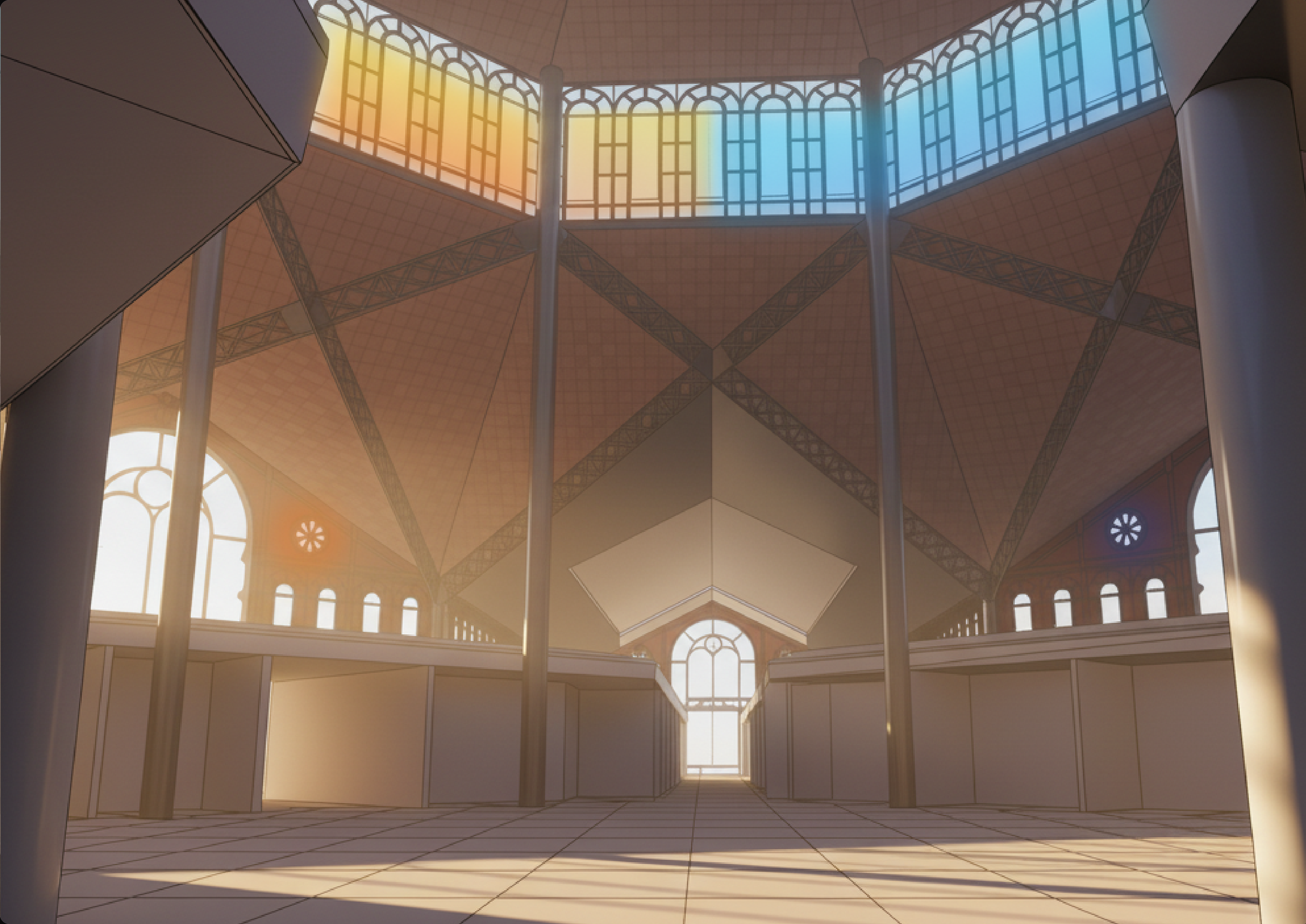


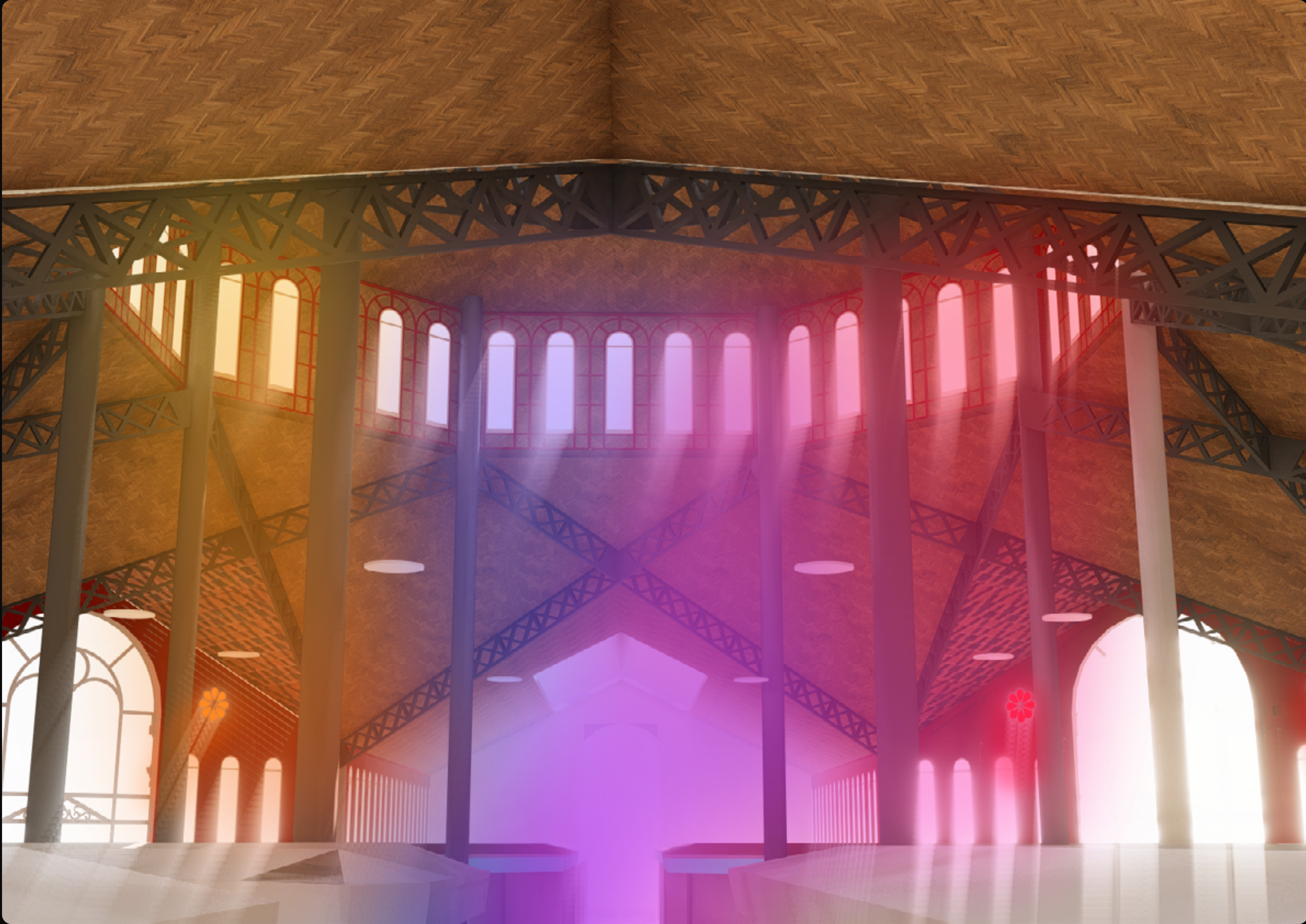






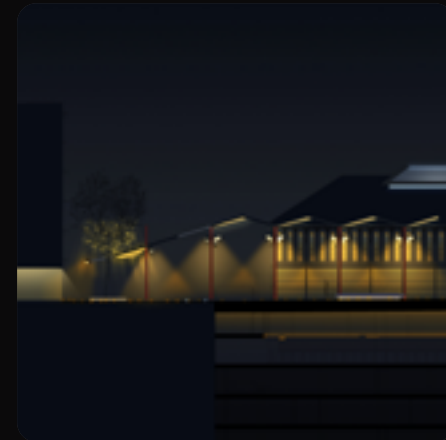






MODELS

Zoom

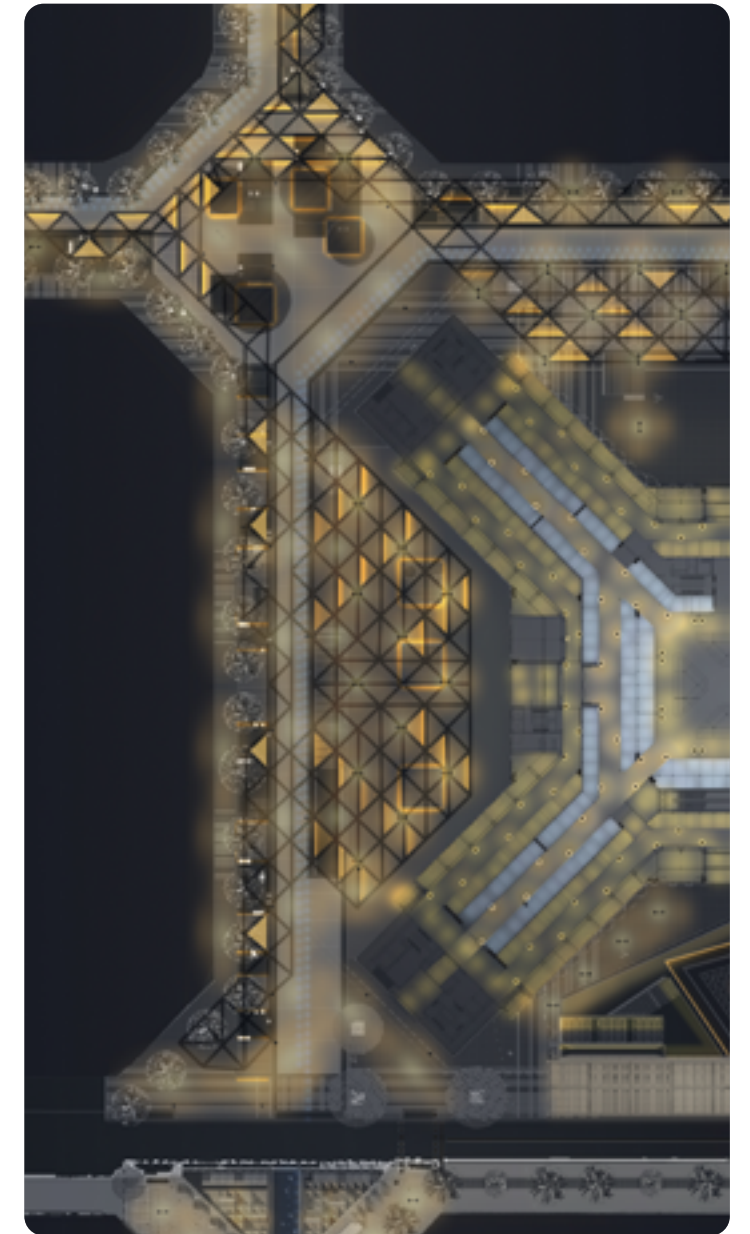


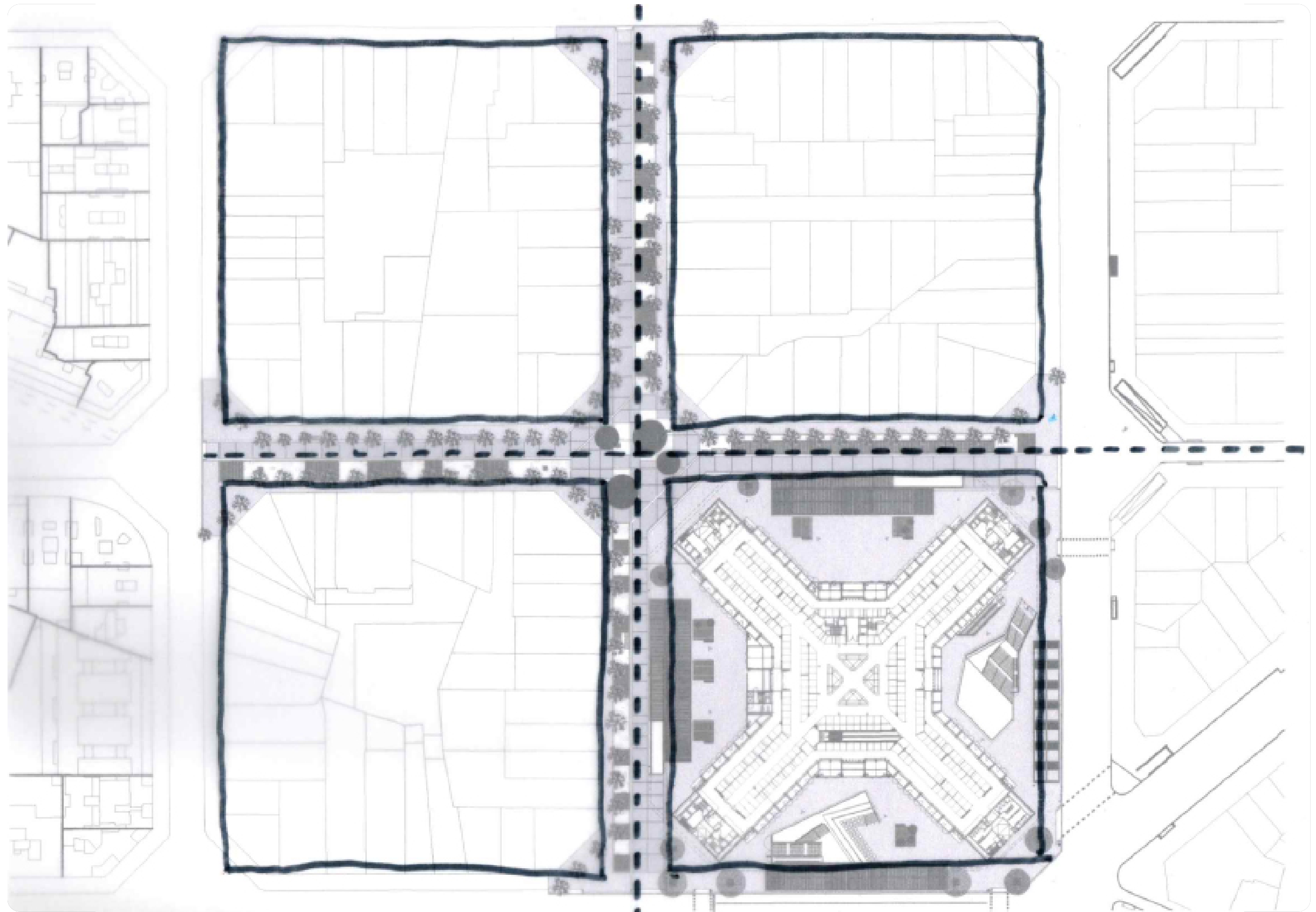
Exterior

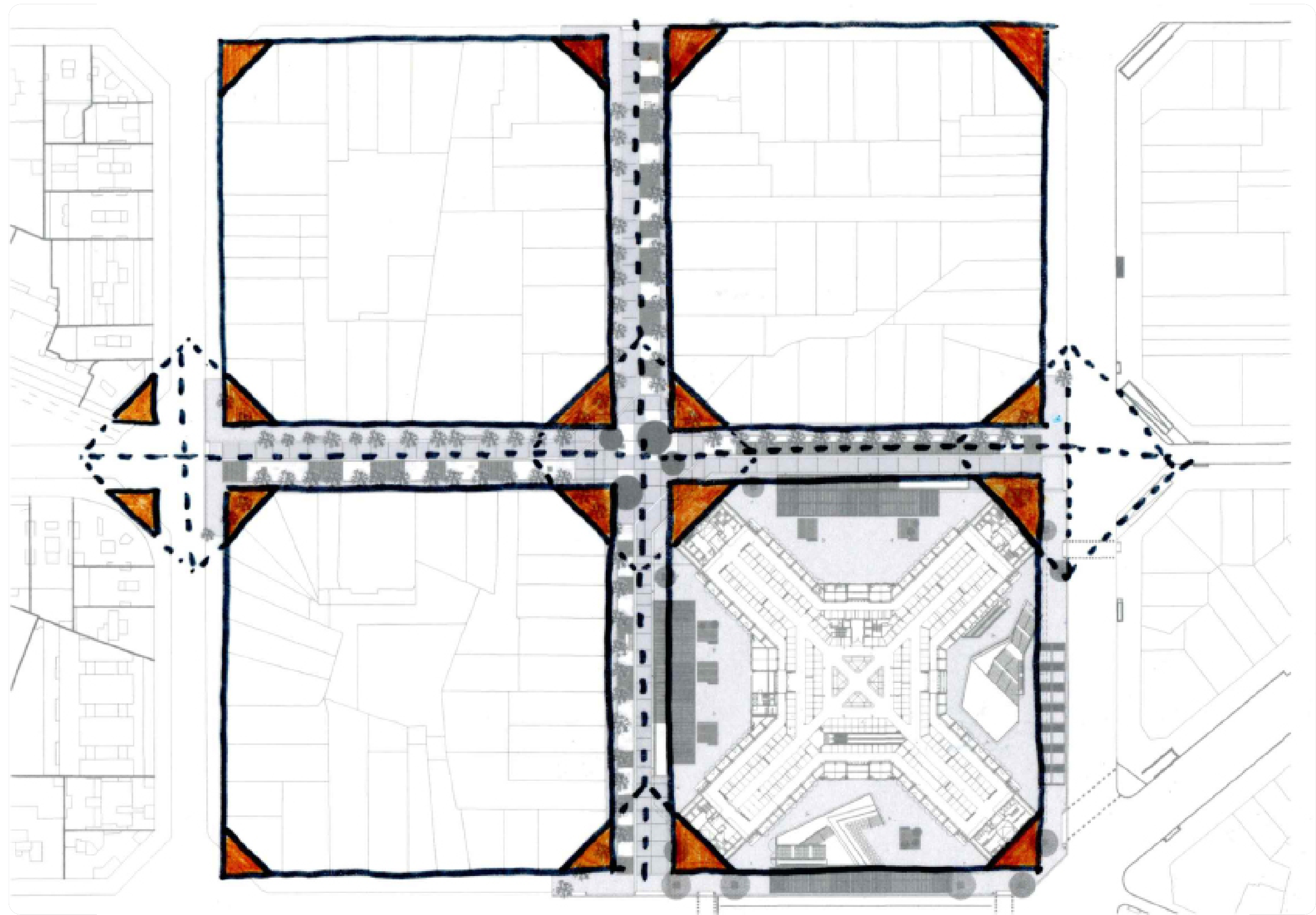
THE CANOPY:

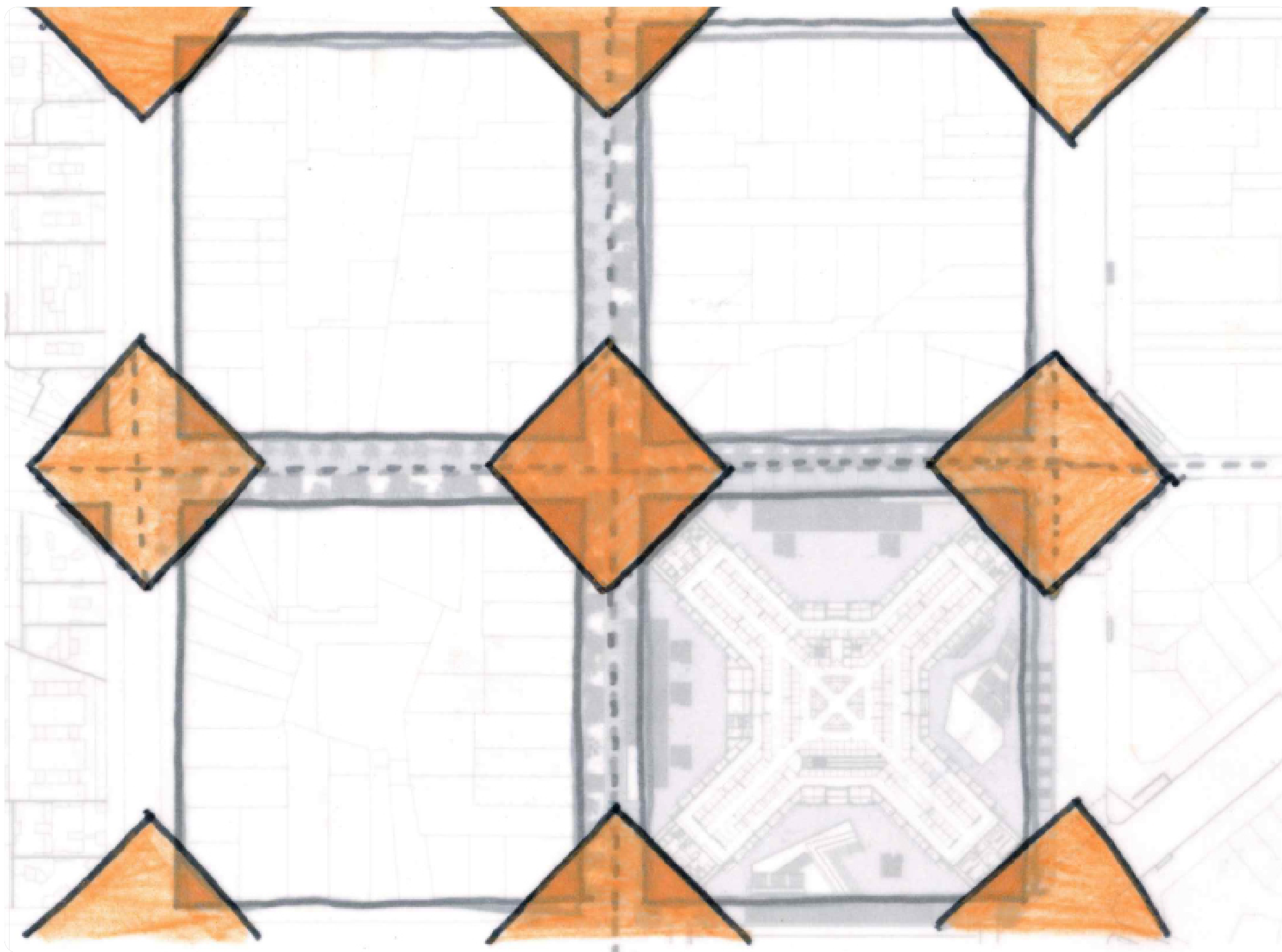
THE STRUCTURAL AND SYMBOLIC ORDER OF THE MARKET IS FILTERED FOR THE PEDESTRIAN, AND EMPTIED INTO THE STREETS IN FORM OF A MODULAR SOLUTION OF LIGHTS AND SHADOWS.

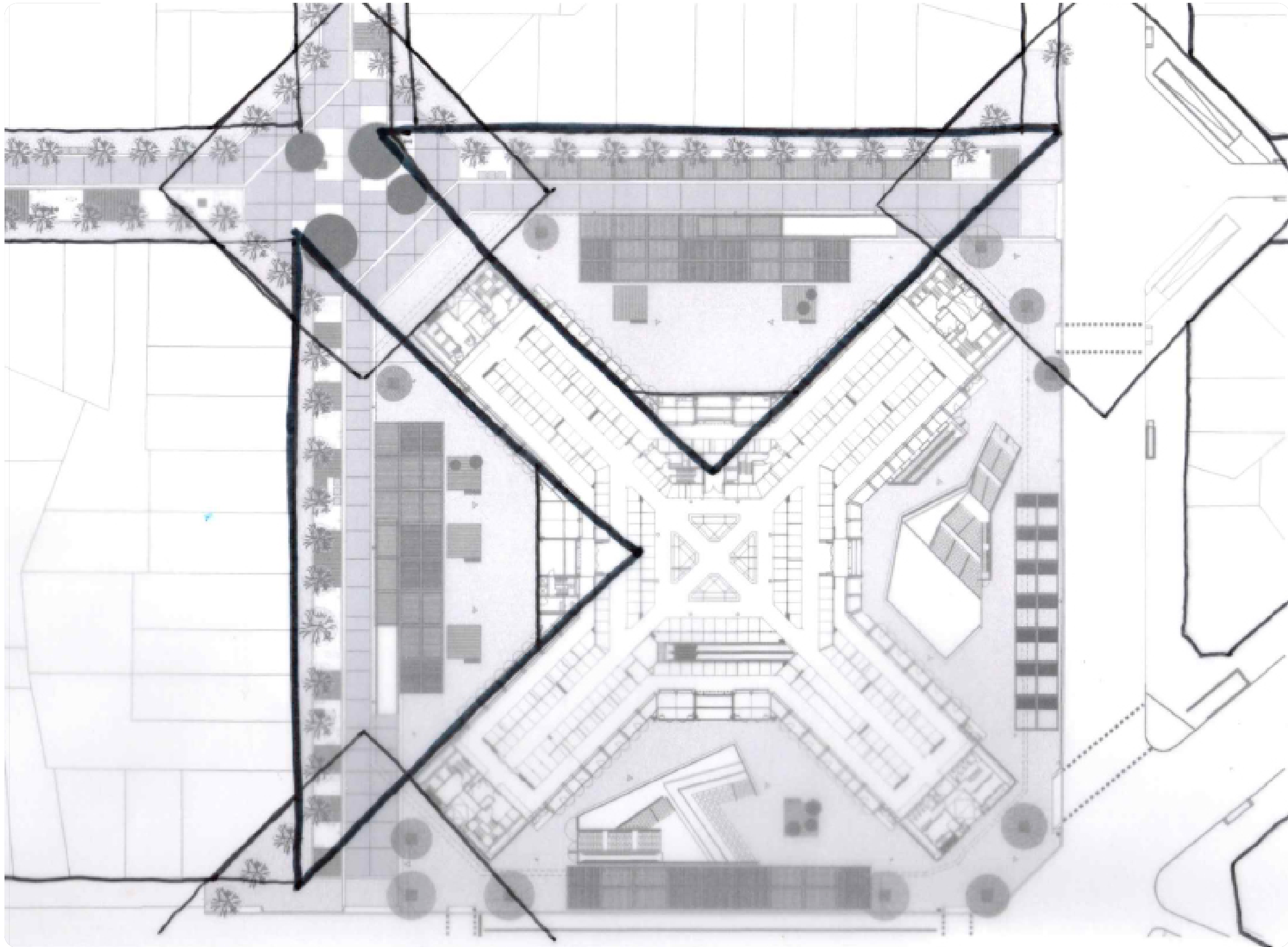
**Carrer del
Comté Borrel**

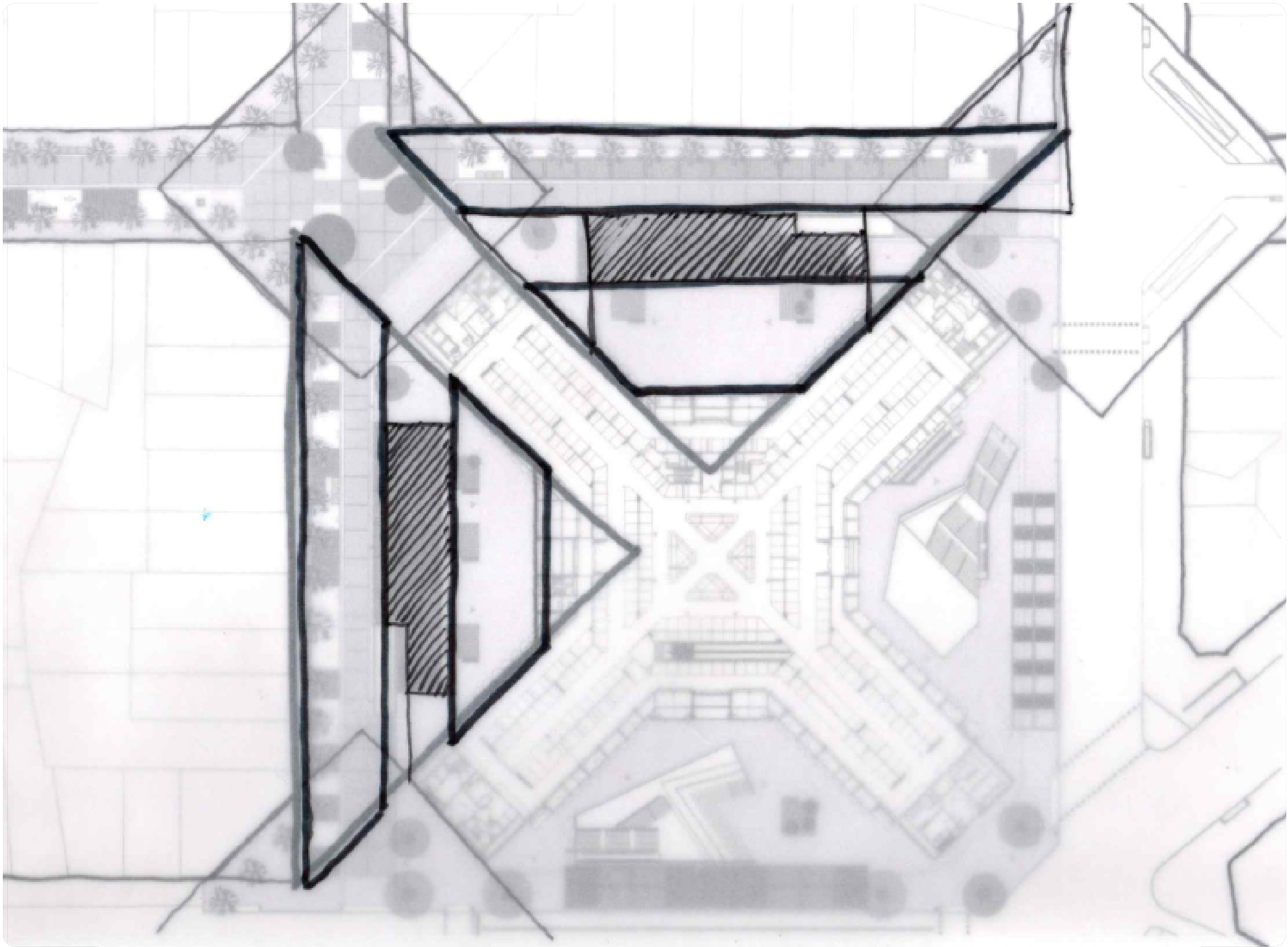


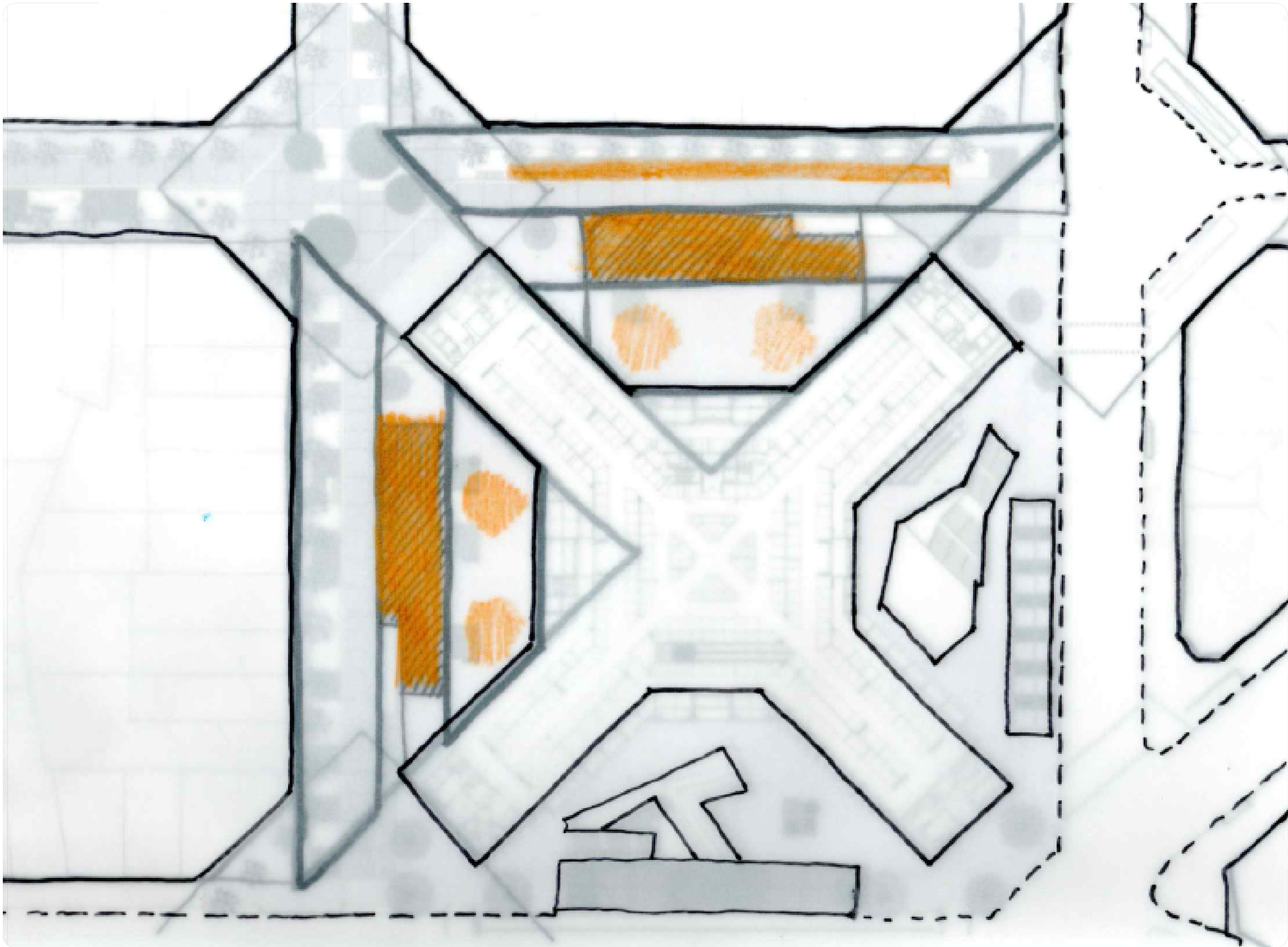


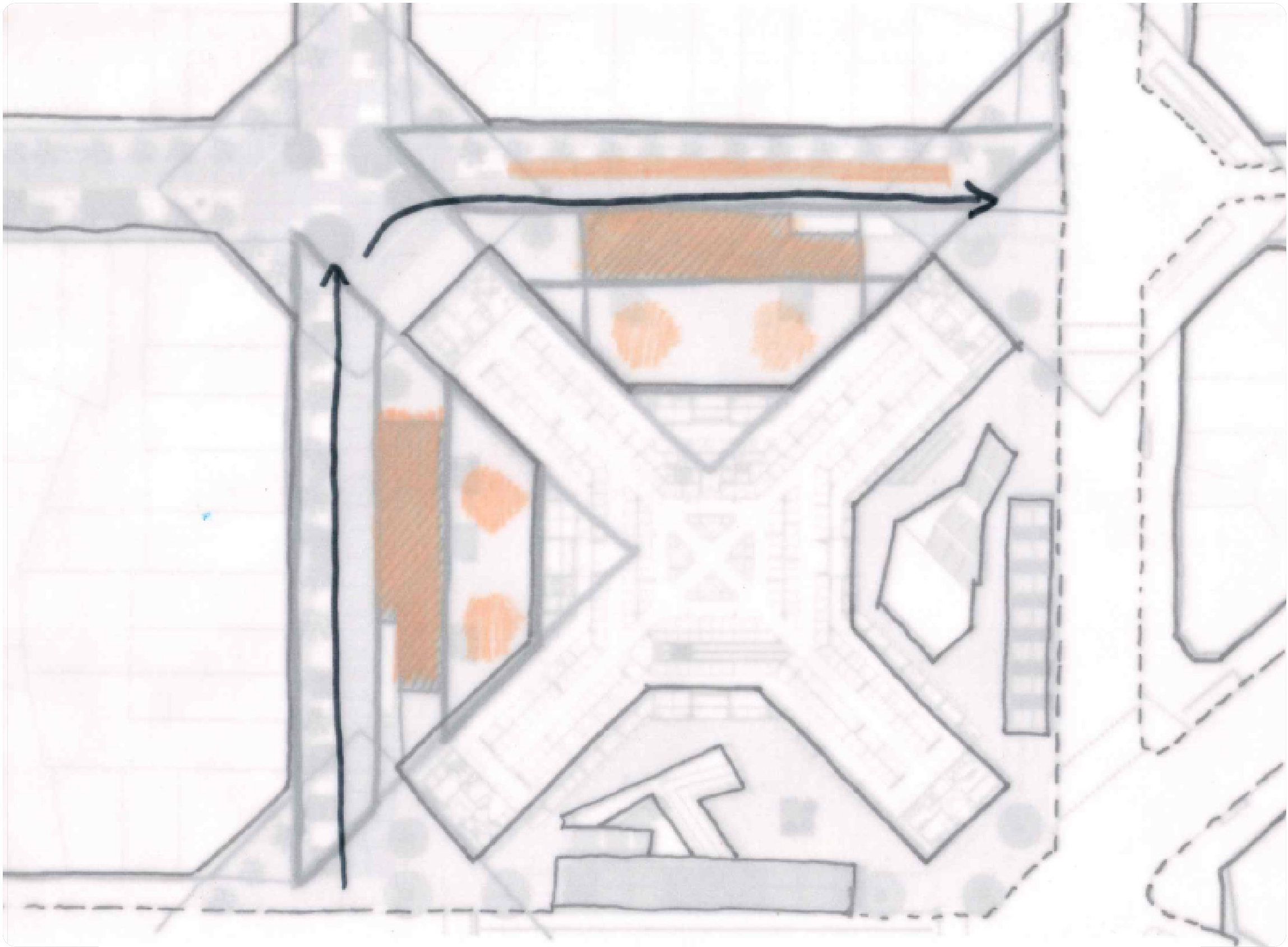


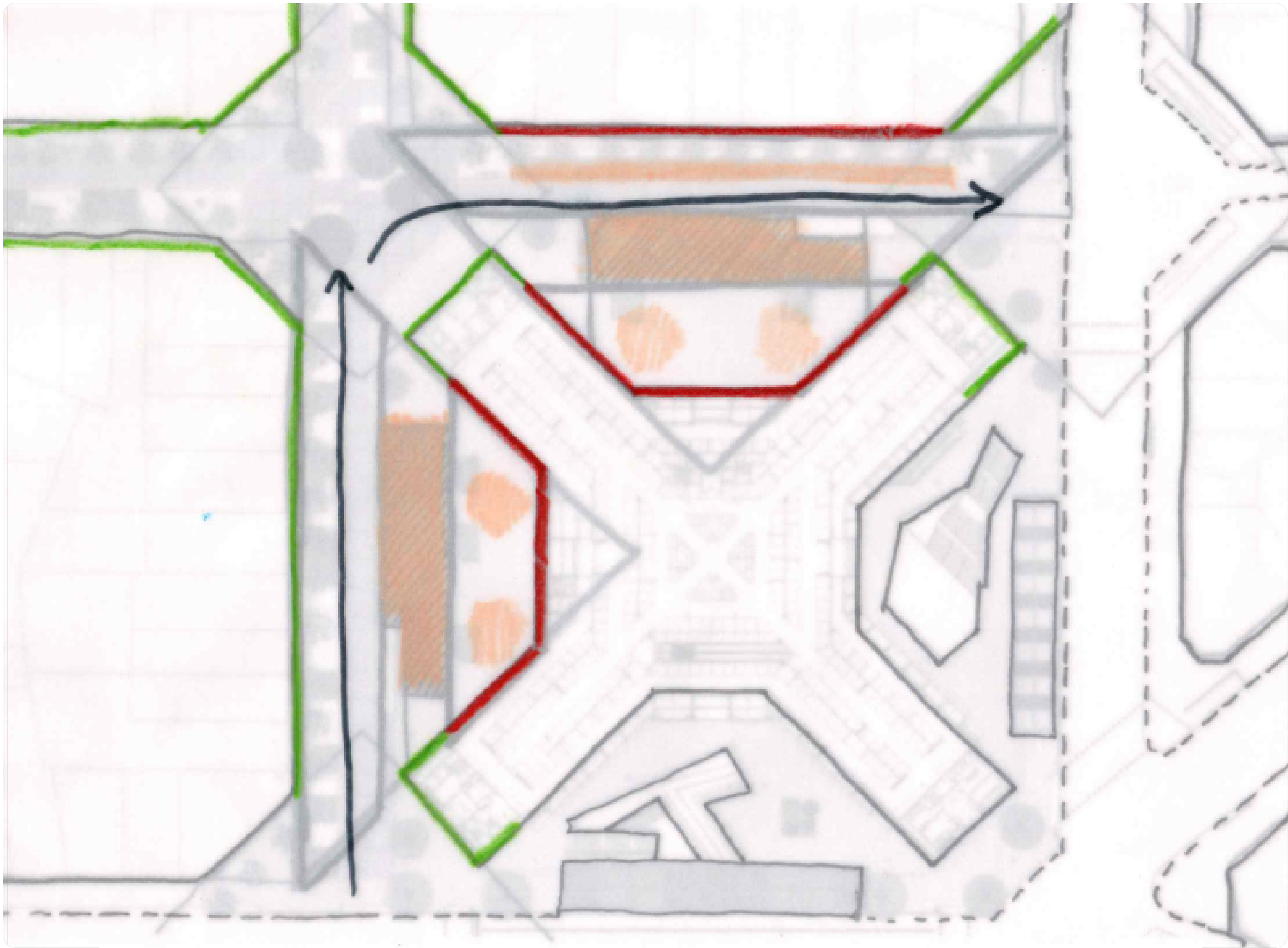


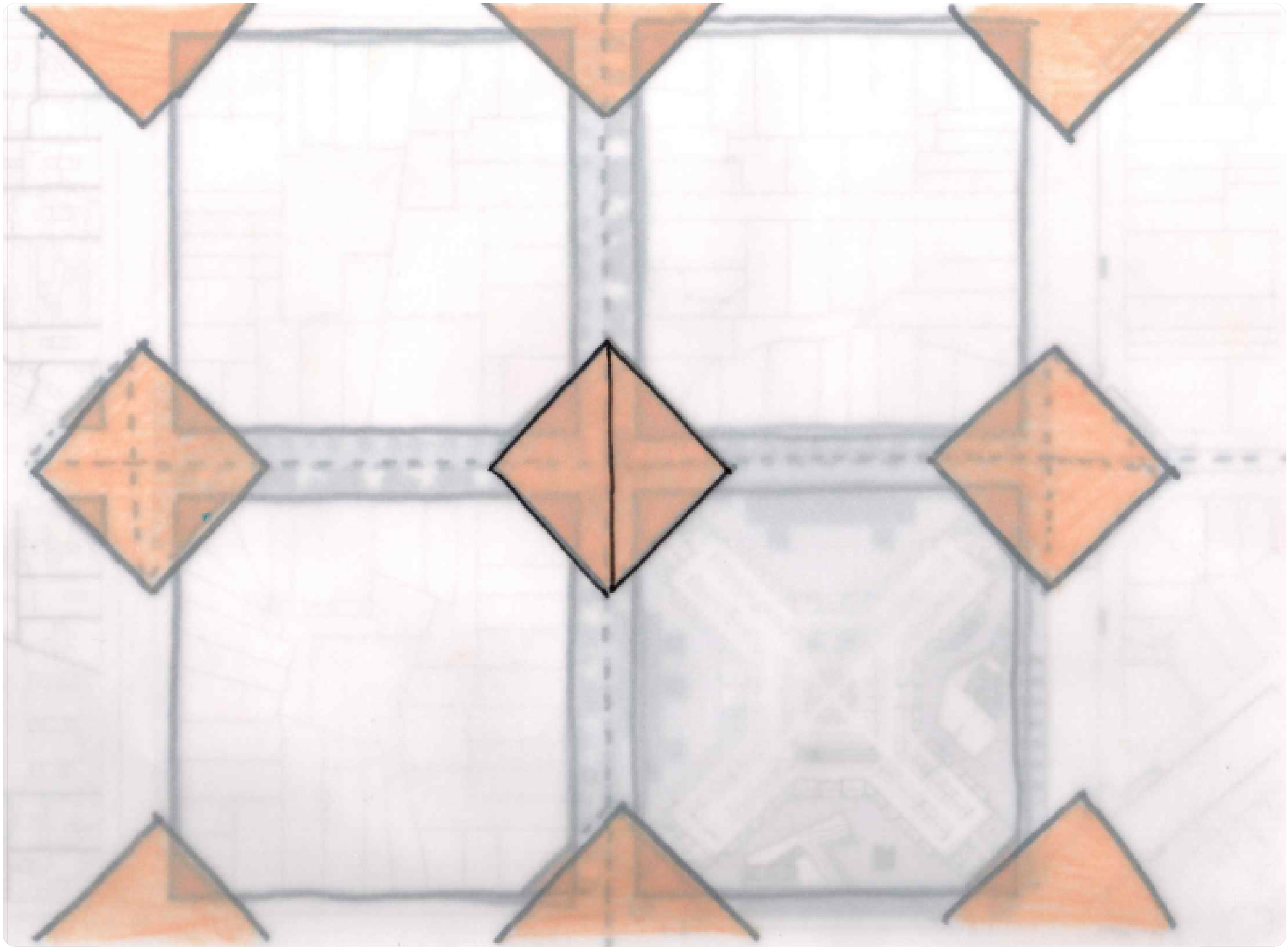


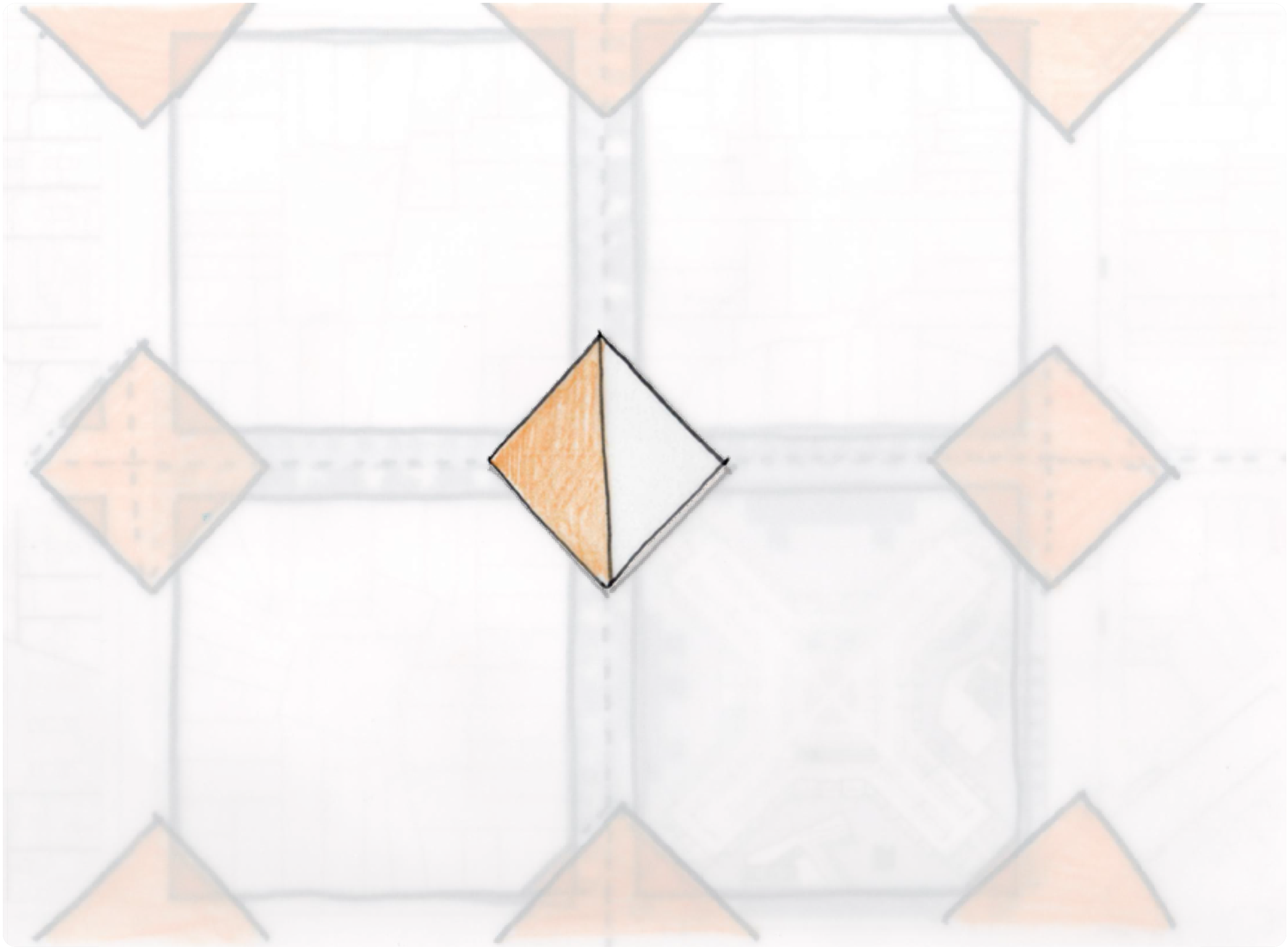


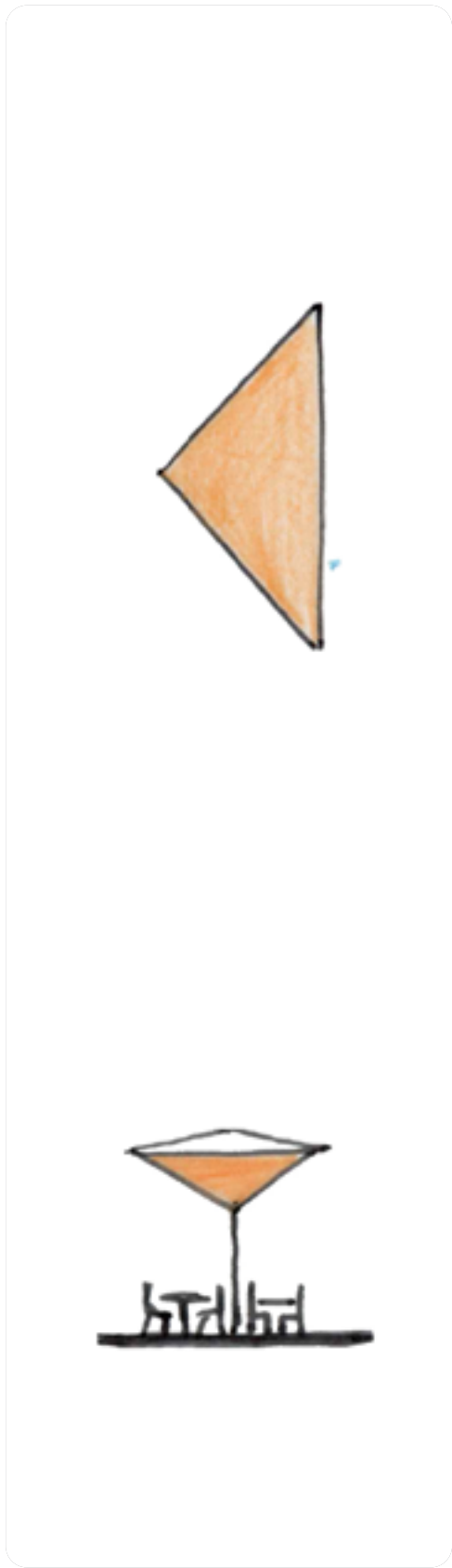


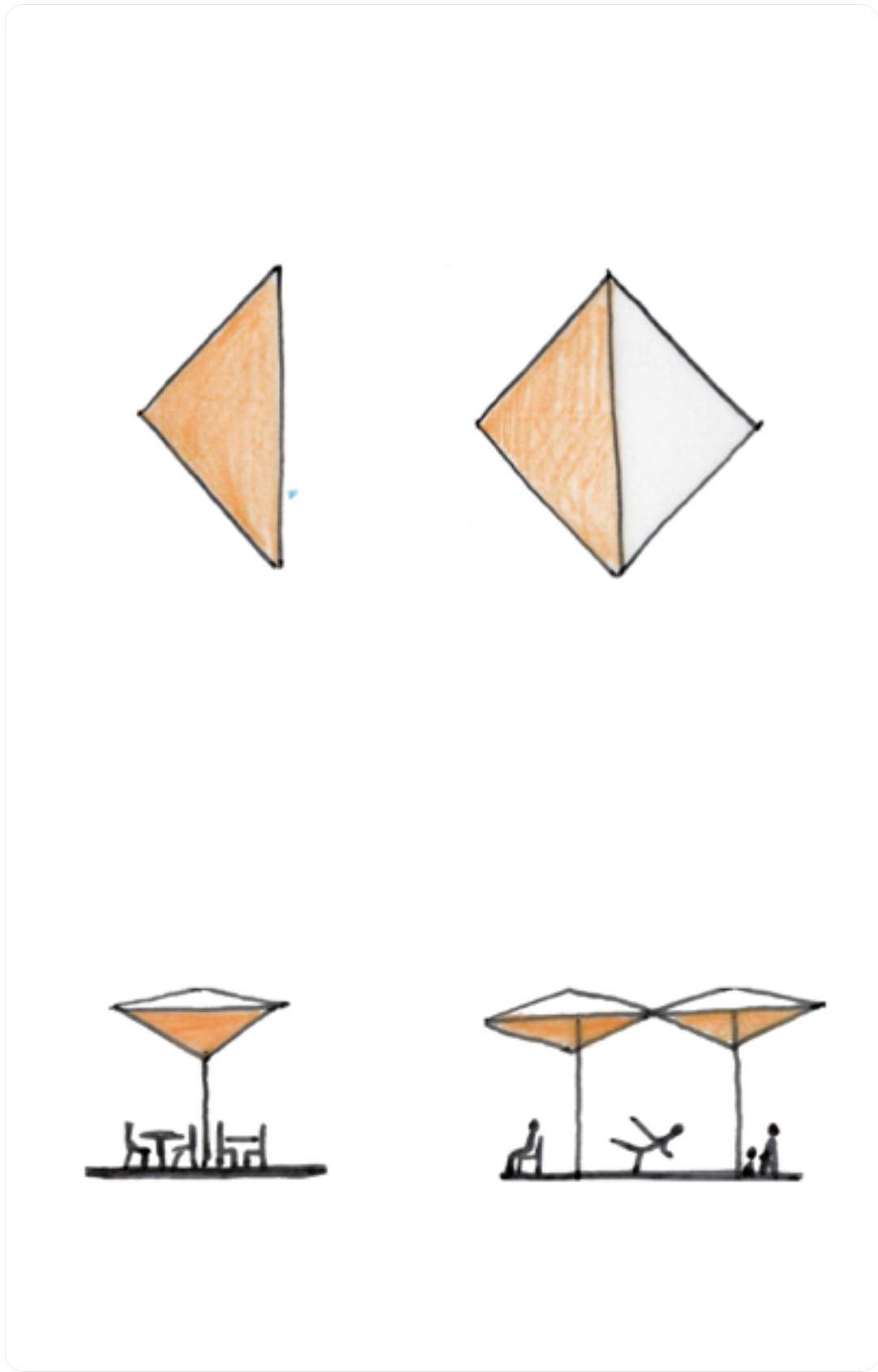


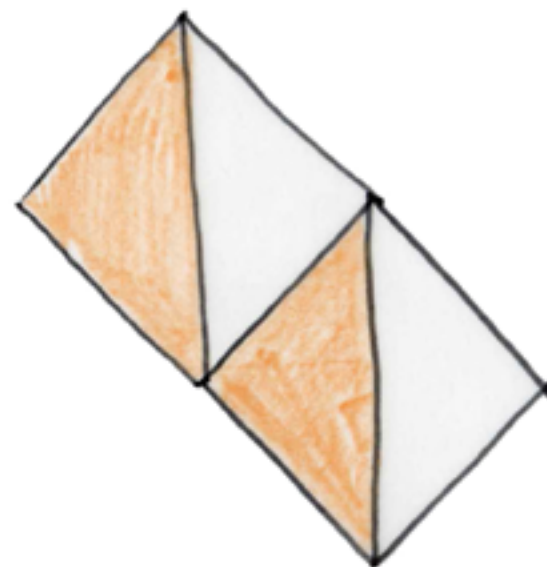
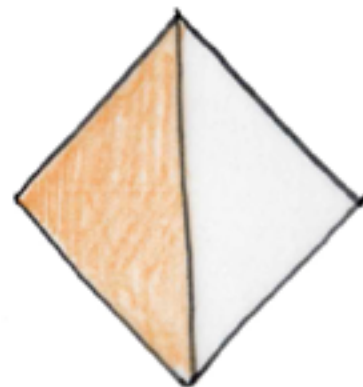
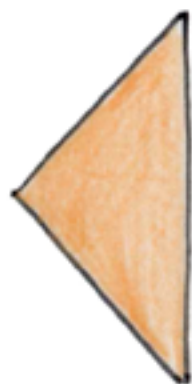


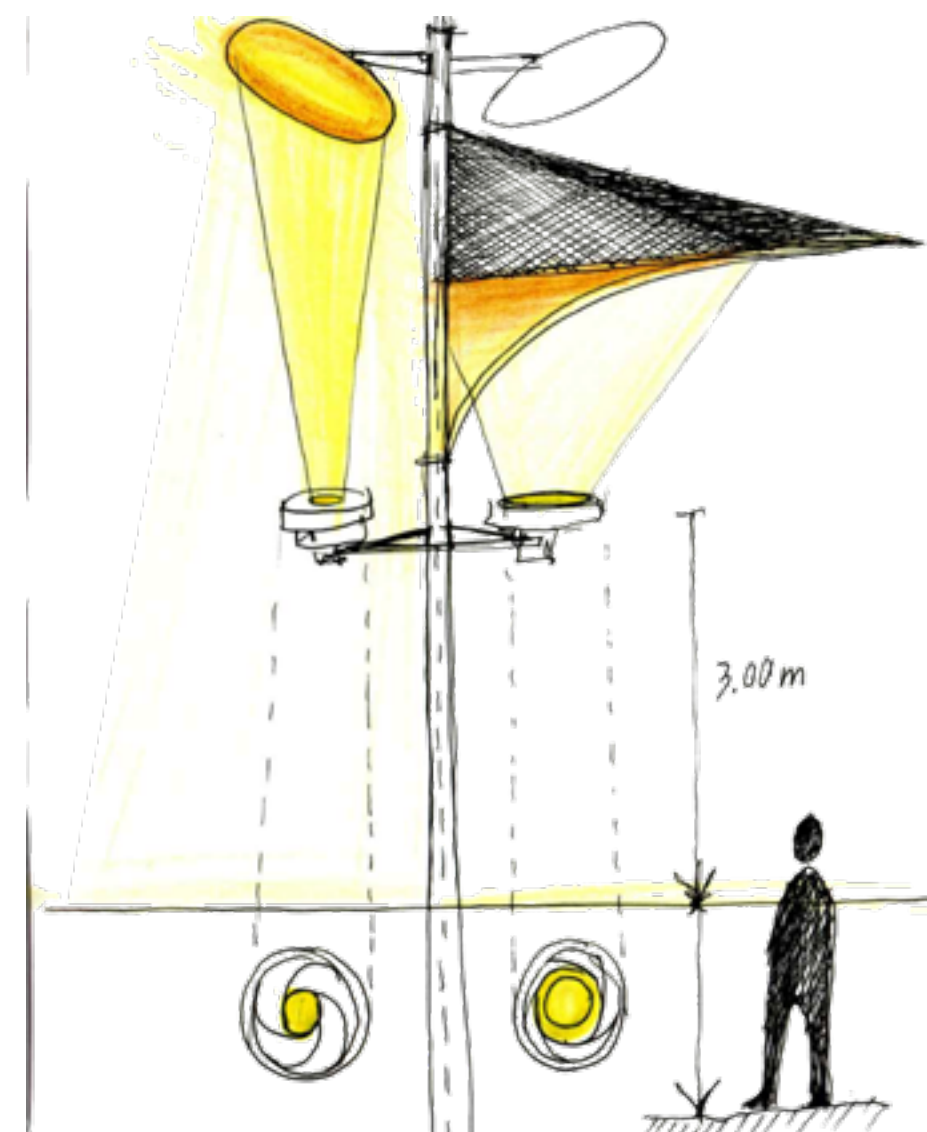
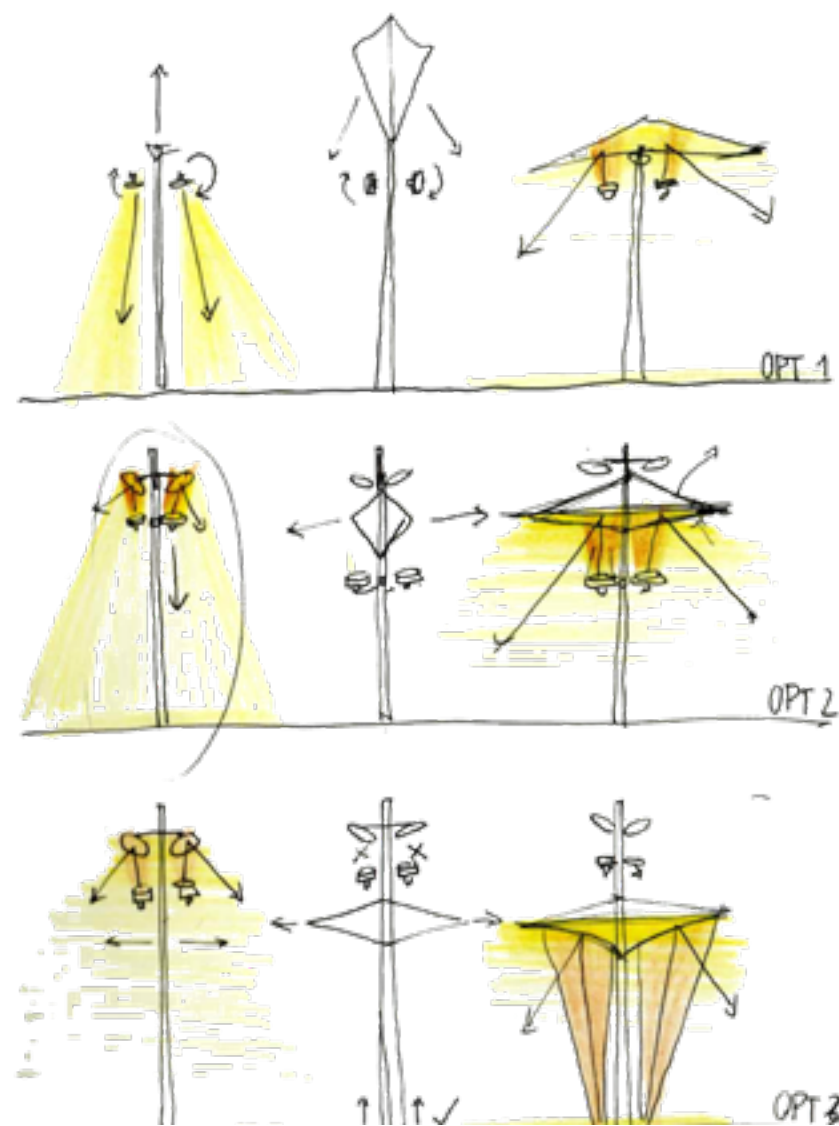
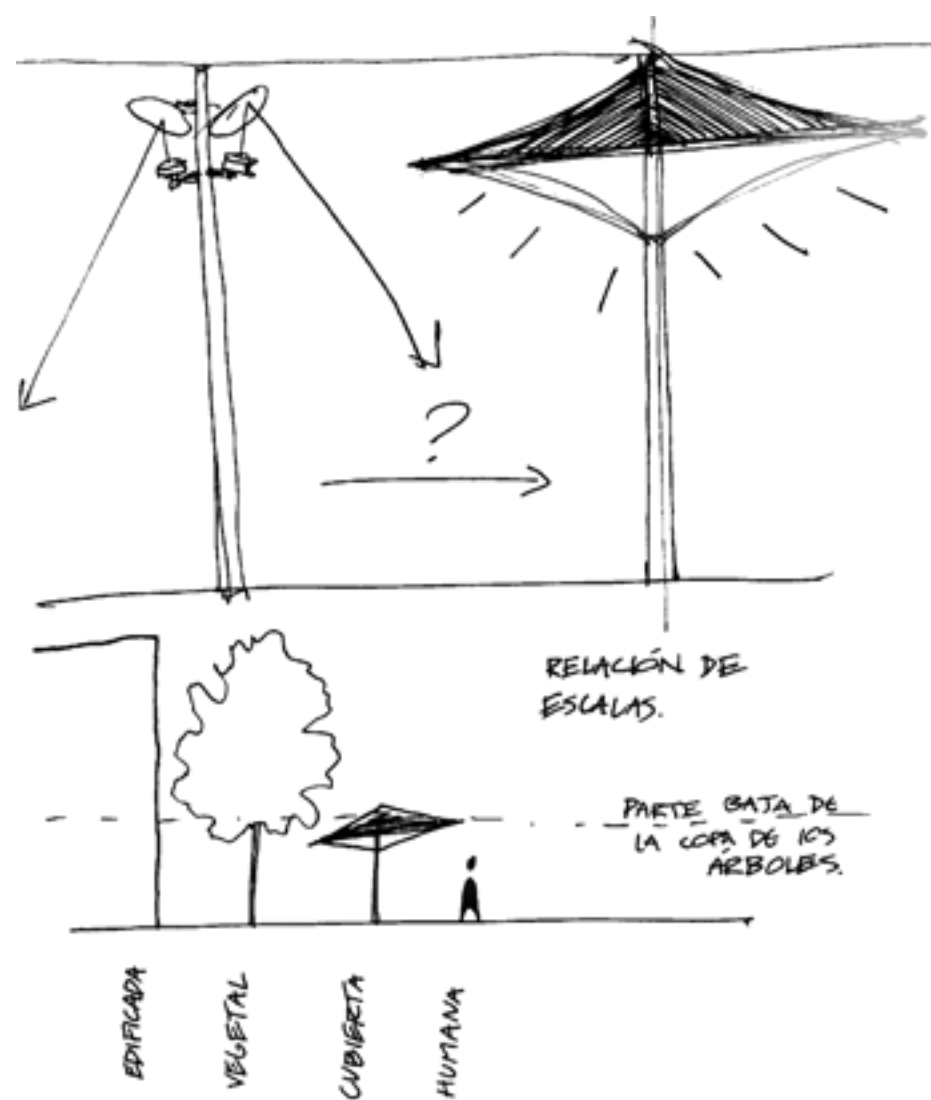










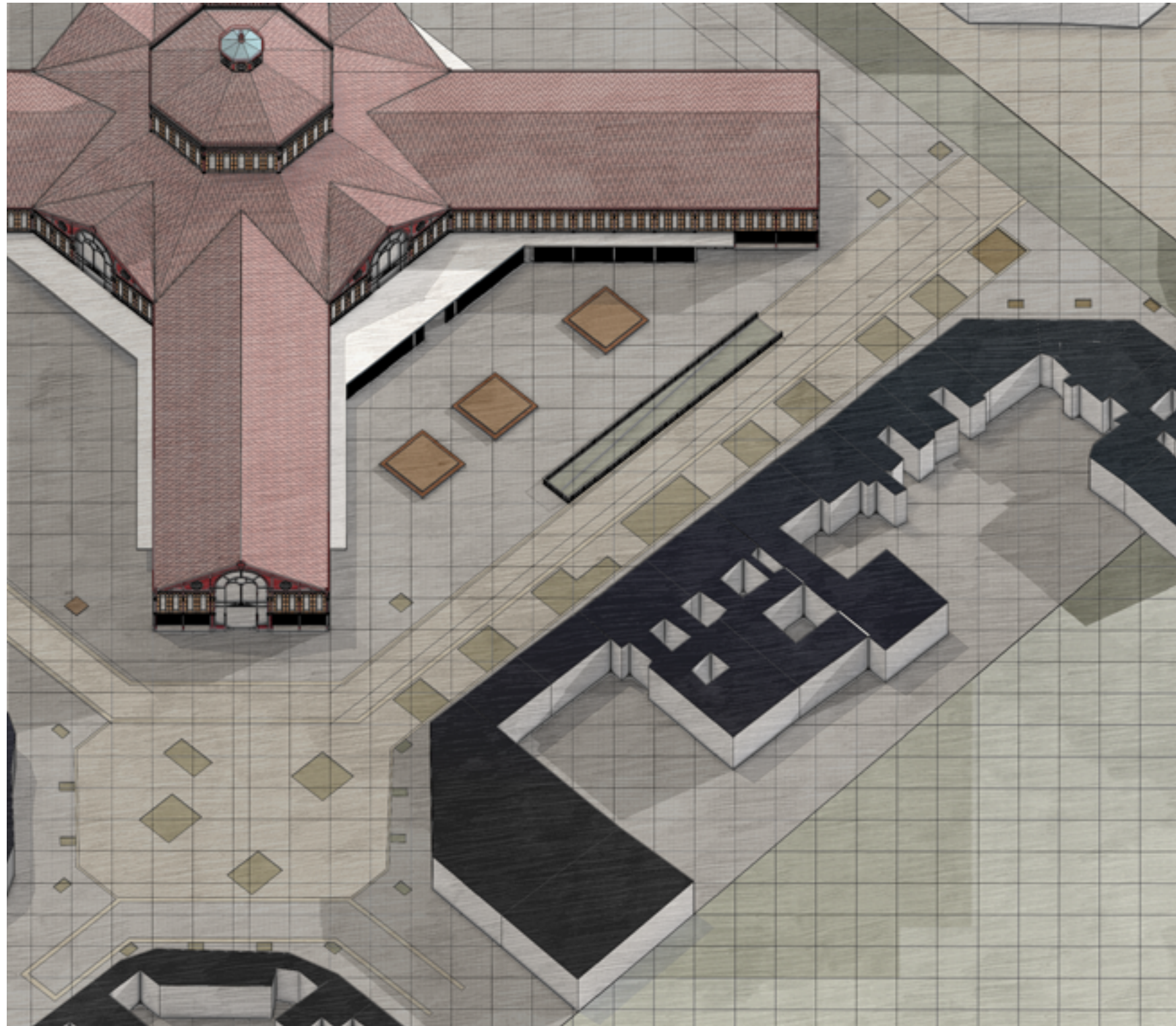




CONFORMING THE CANOPY

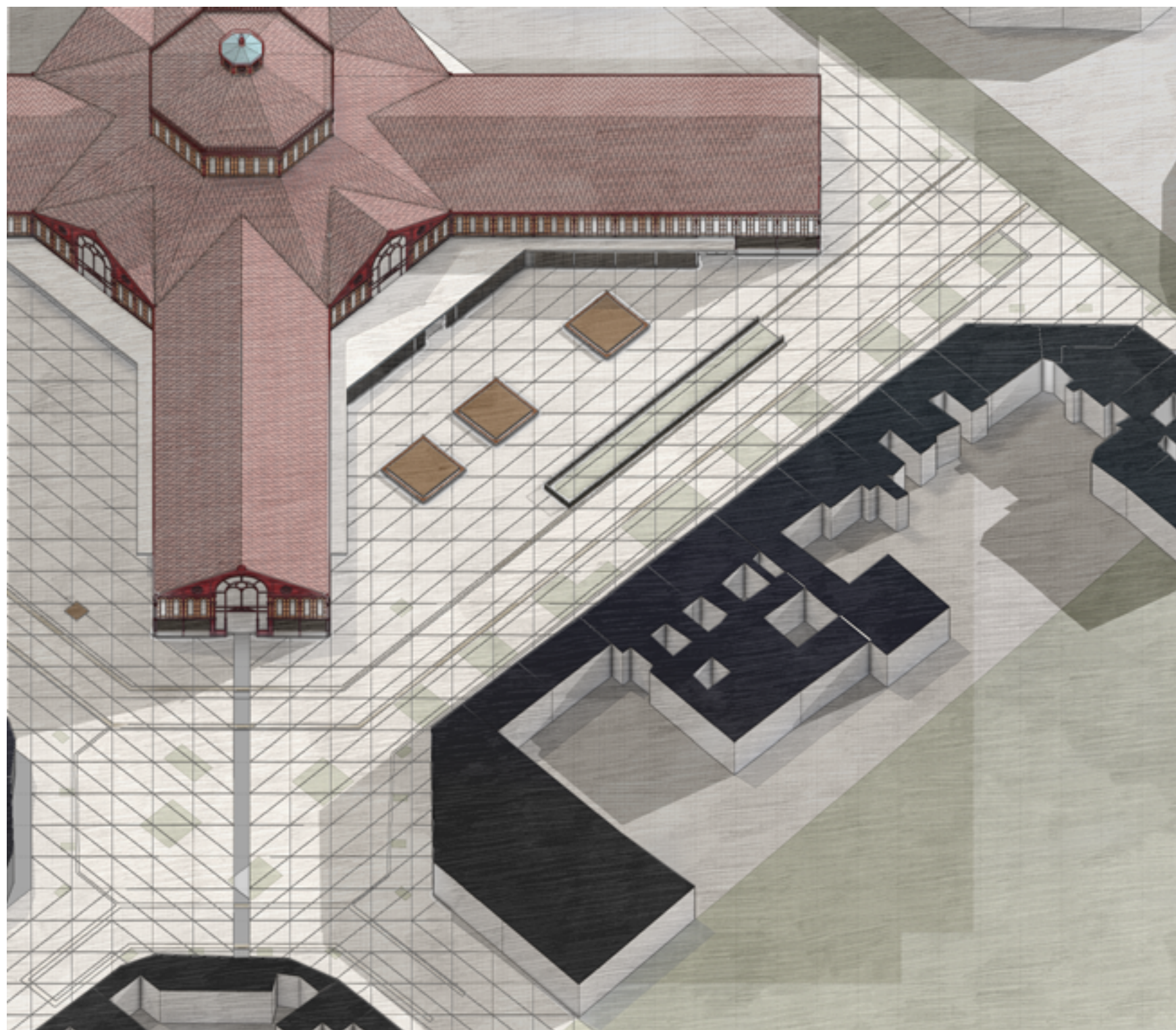


CONFORMING THE CANOPY

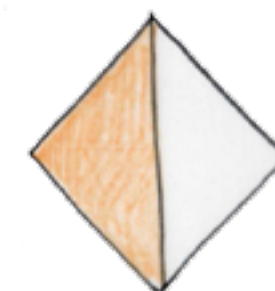


**Extension of
the markets
geometry.**

CONFORMING THE CANOPY



Division in
modules.

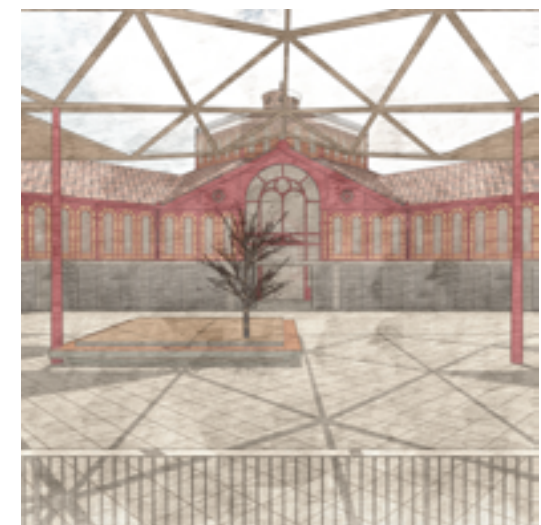


CONFORMING THE CANOPY



Retraction

Setback from residences and heritage. Frees the views for neighborhood recognition.



CONFORMING THE CANOPY



Retraction

Setback from residences and heritage. Frees the views for neighborhood recognition.

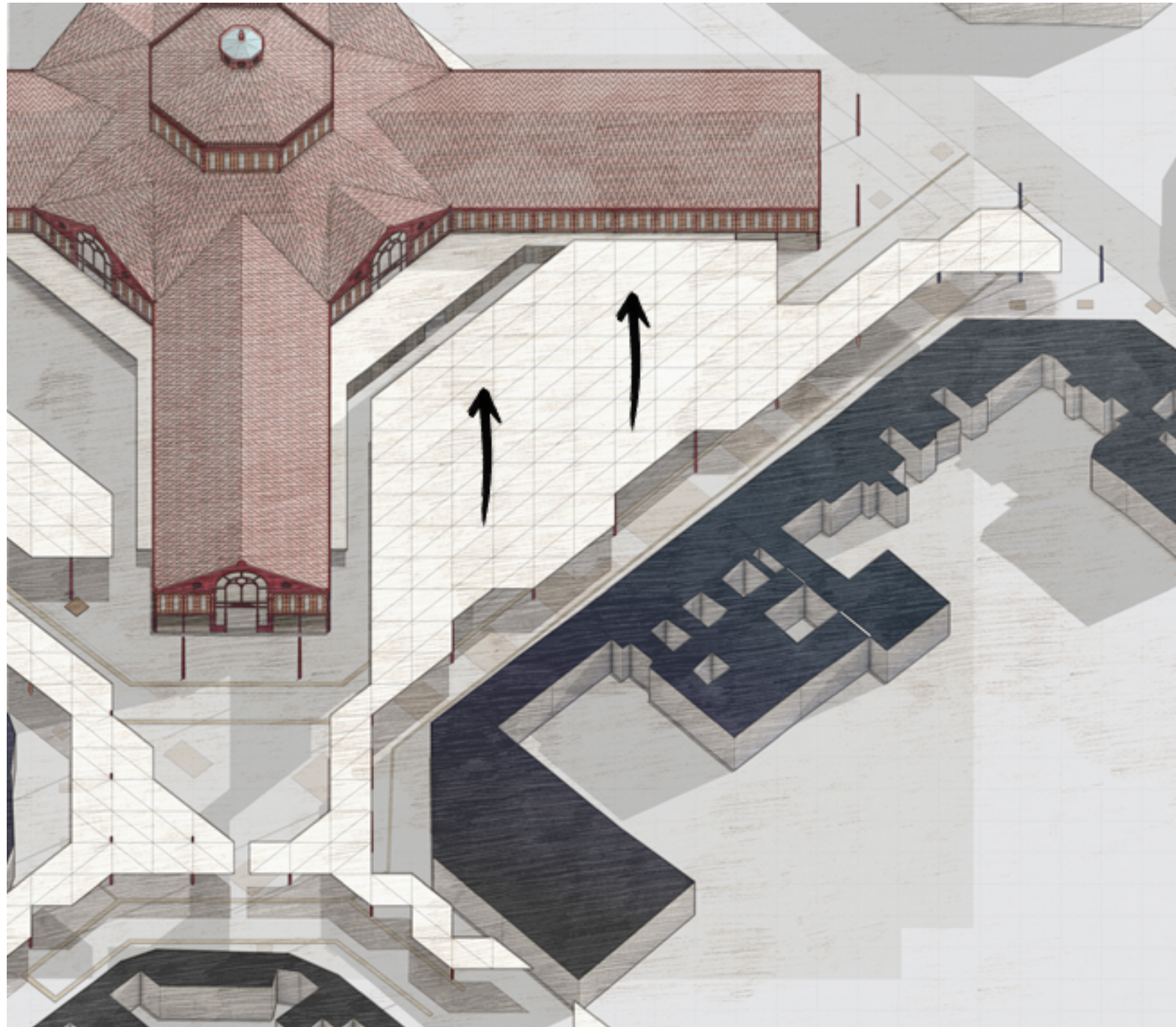
CONFORMING THE CANOPY



Lineality and Intermittence

Columns from the market join the public space. Perceived as linear by the vehicules, and intermitent by the pedestrians.

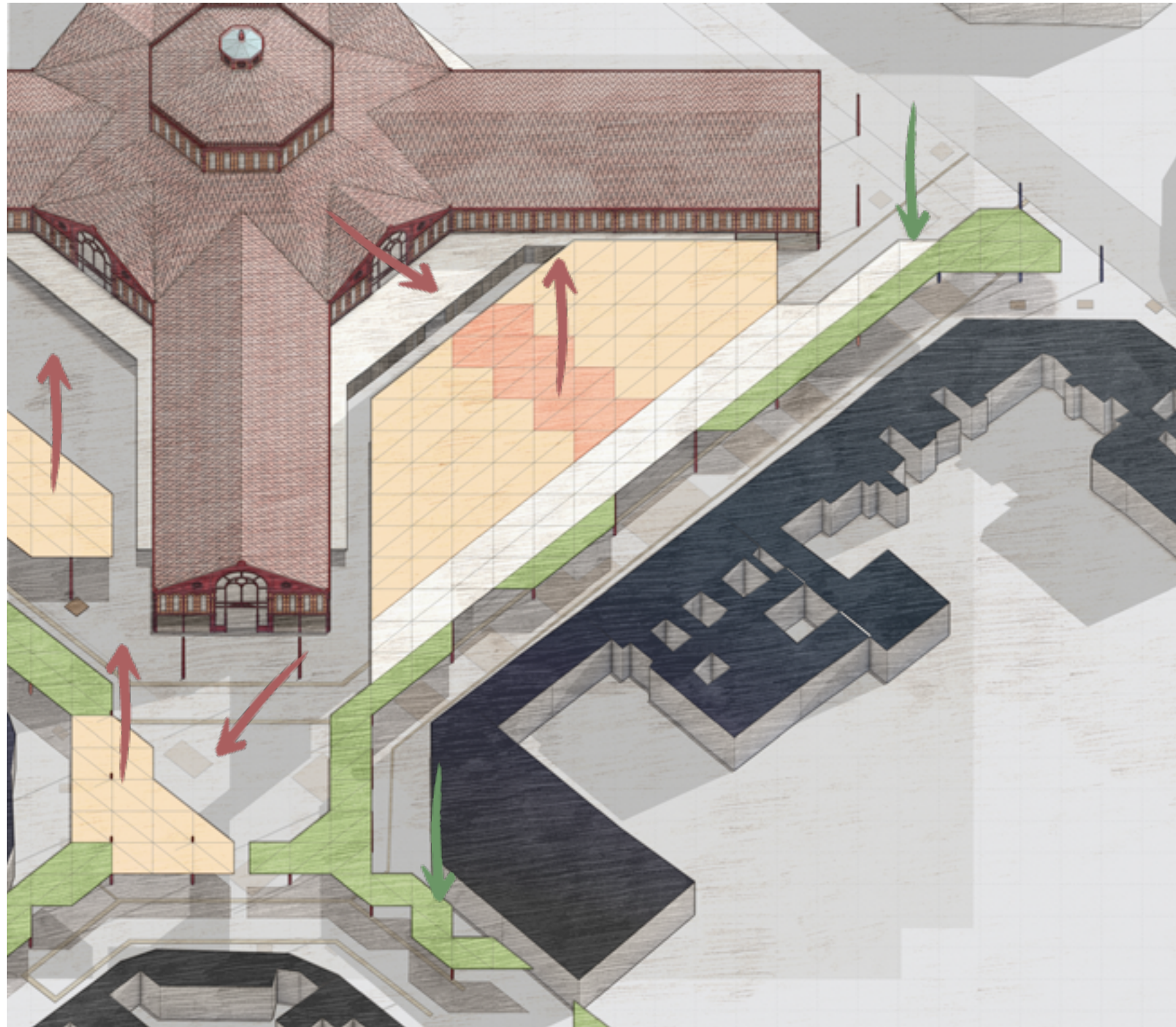
CONFORMING THE CANOPY



Elevation

To conform the
public space
under it.

CONFORMING THE CANOPY

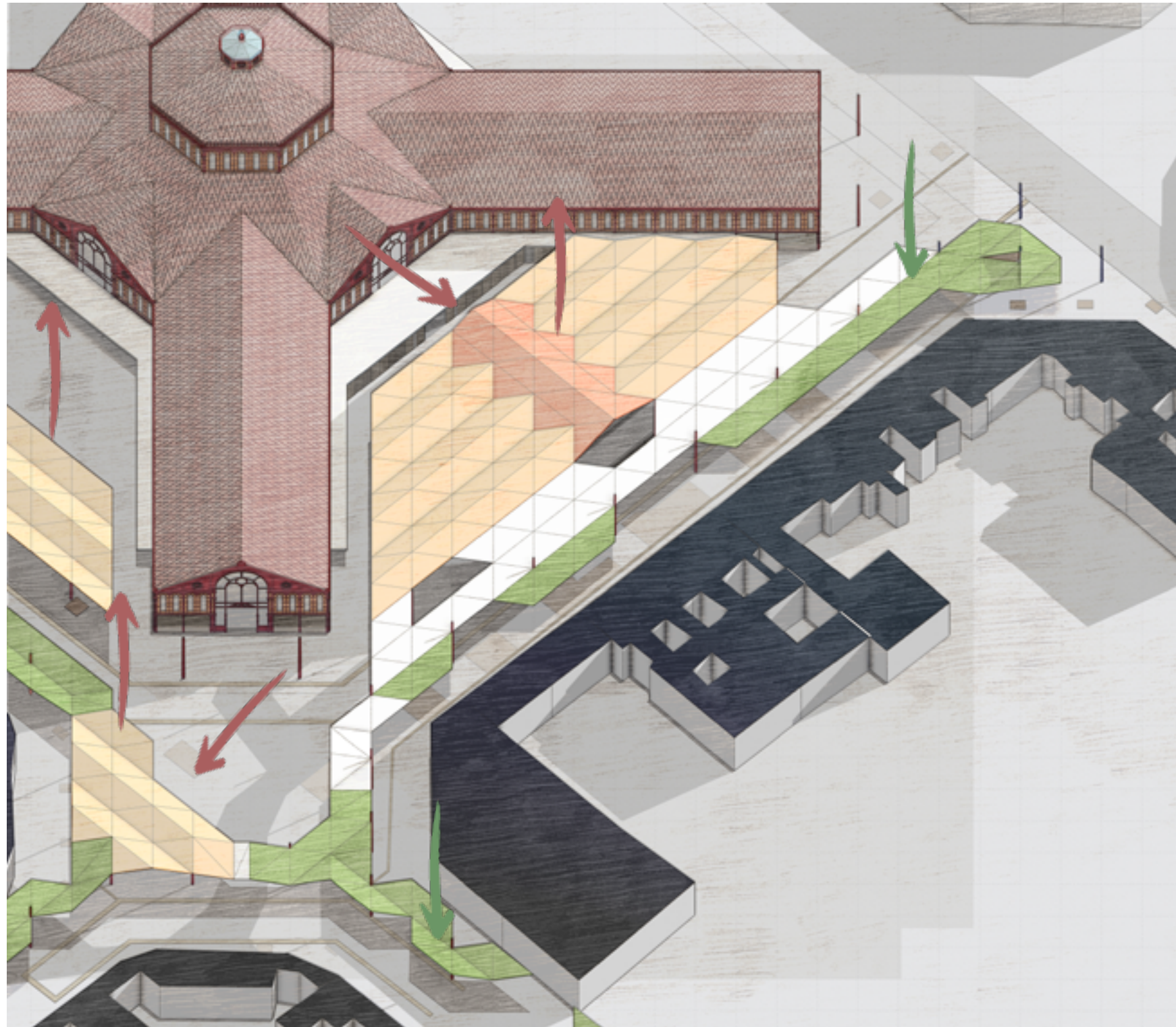


Expansion and contraction

The area expands in the alignment of the market entries, allowing for a clear view of it at the principal public spaces.

The space contracts to acomodate to the scale of the surrounding buildings.

CONFORMING THE CANOPY

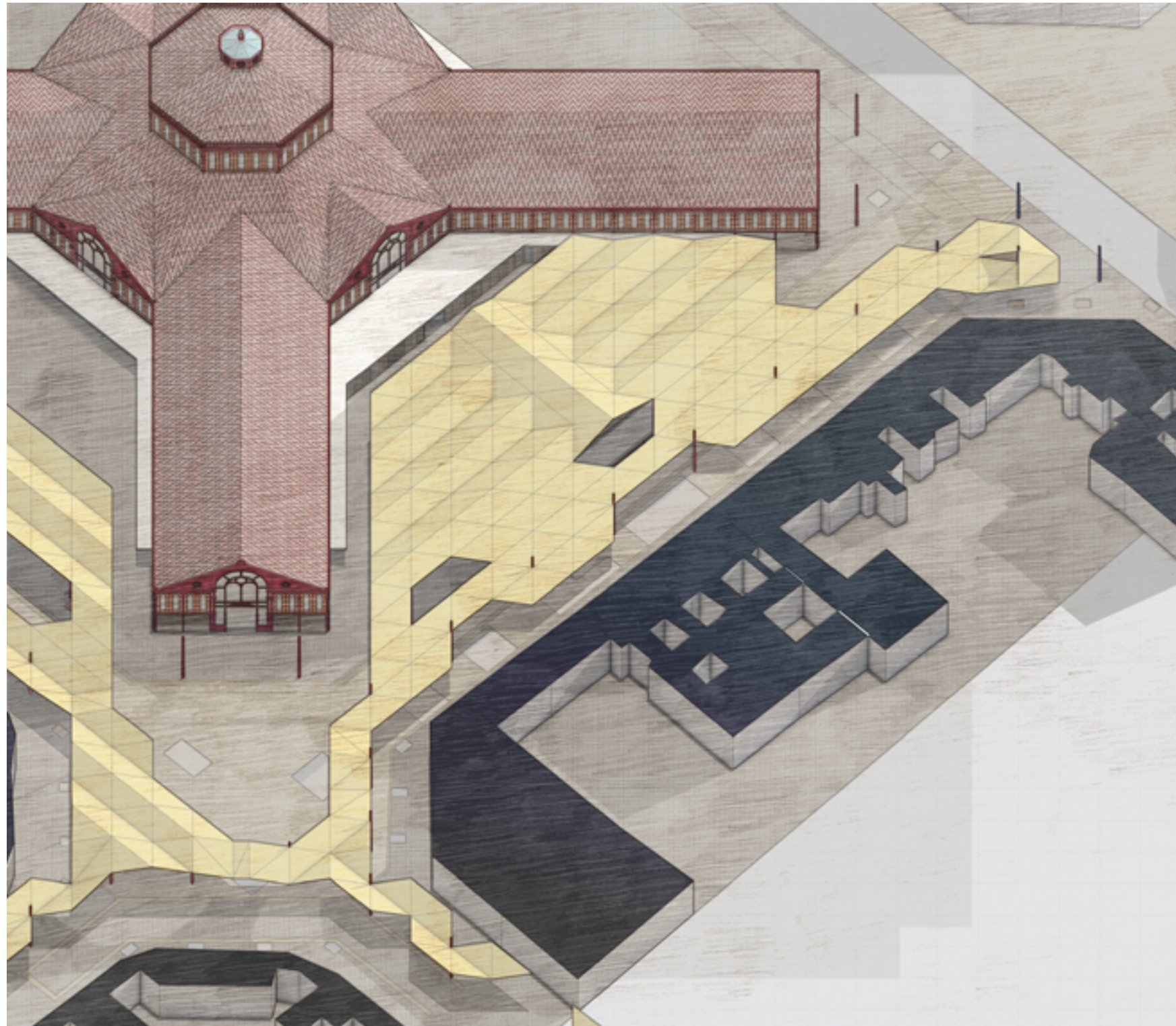


Expansion and contraction

The area expands in the alignment of the market entries, allowing for a clear view of it at the principal public spaces.

The space contracts to accommodate to the scale of the surrounding buildings.

CONFORMING THE CANOPY



POPULATING IT WITH LIGHT

SUNLIGHT

ARTIFICIAL
LIGHTING



Open



Shade



Glazed



Glow

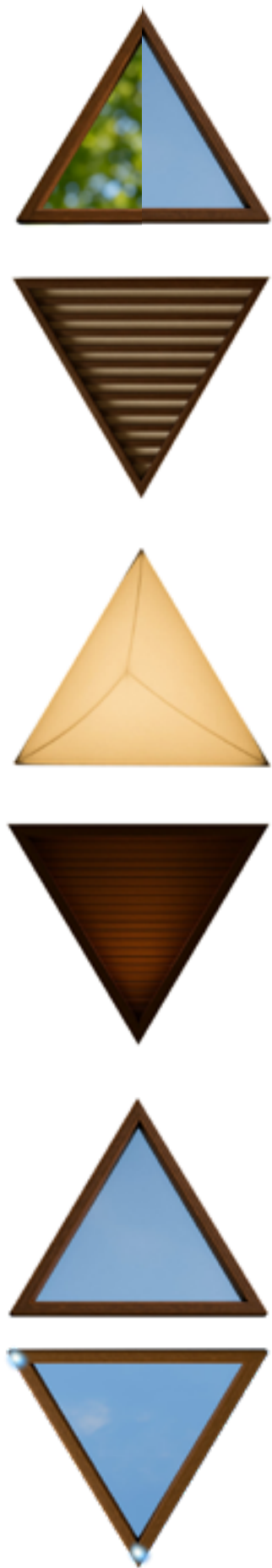


Solid



Guide

POPULATING IT WITH LIGHT



POPULATING IT WITH LIGHT



Open

Allows ventilation and relations with the sky and natural sunlight while allowing vegetation to develop freely. sunlight.

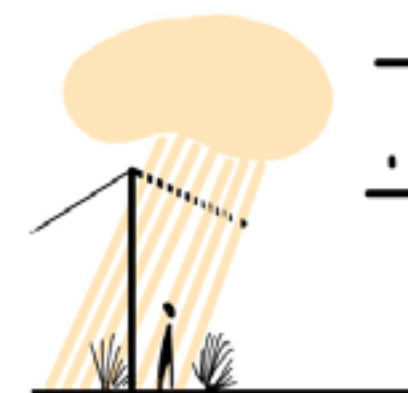


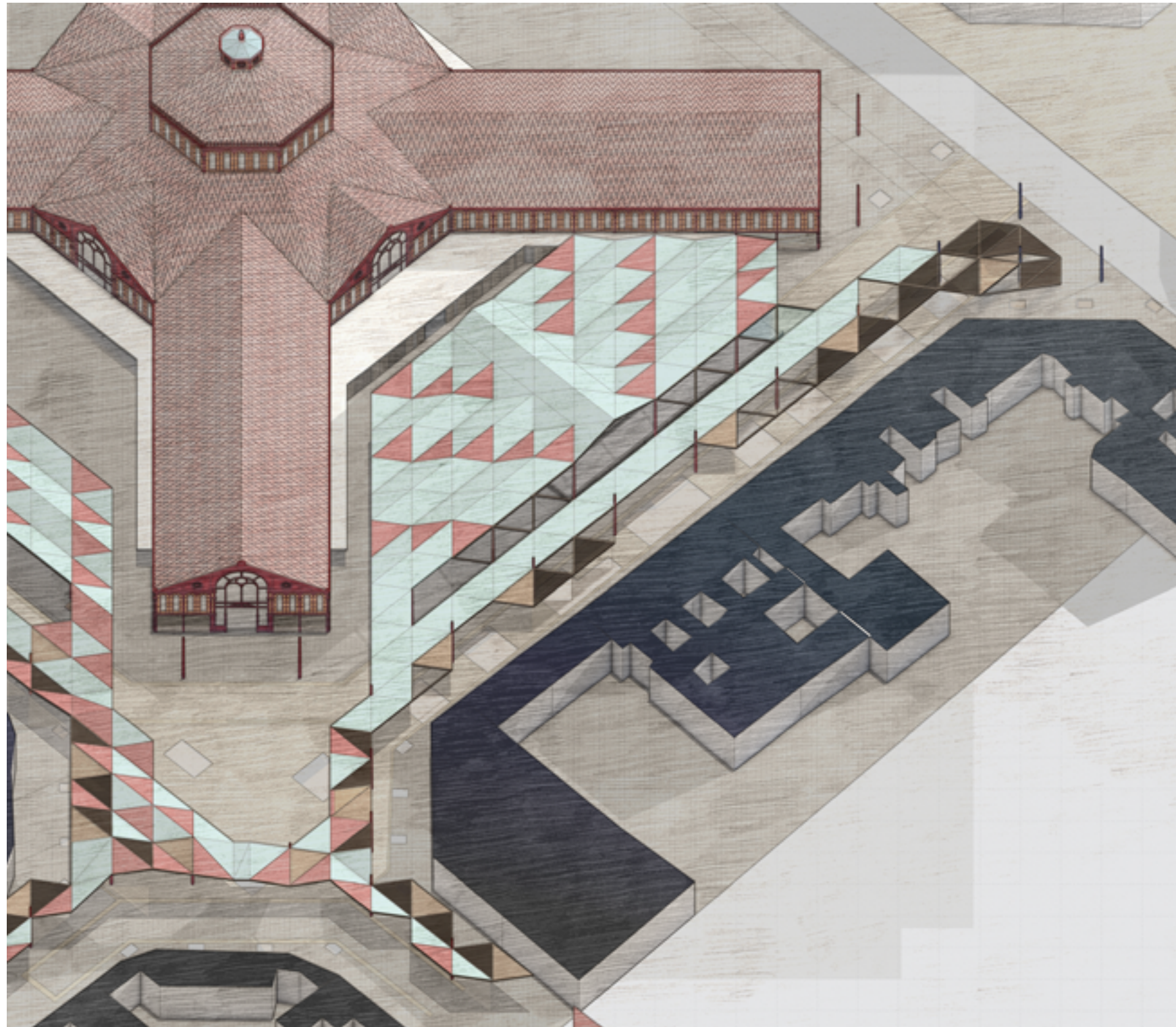
POPULATING IT WITH LIGHT



Shade

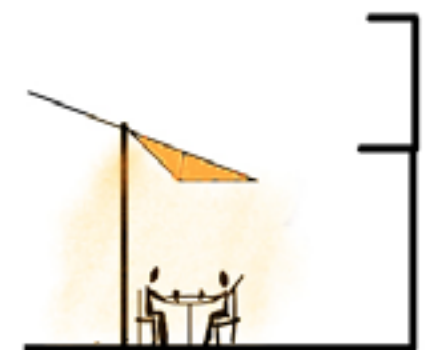
Filters the sun and softens luminic transition into buildings.

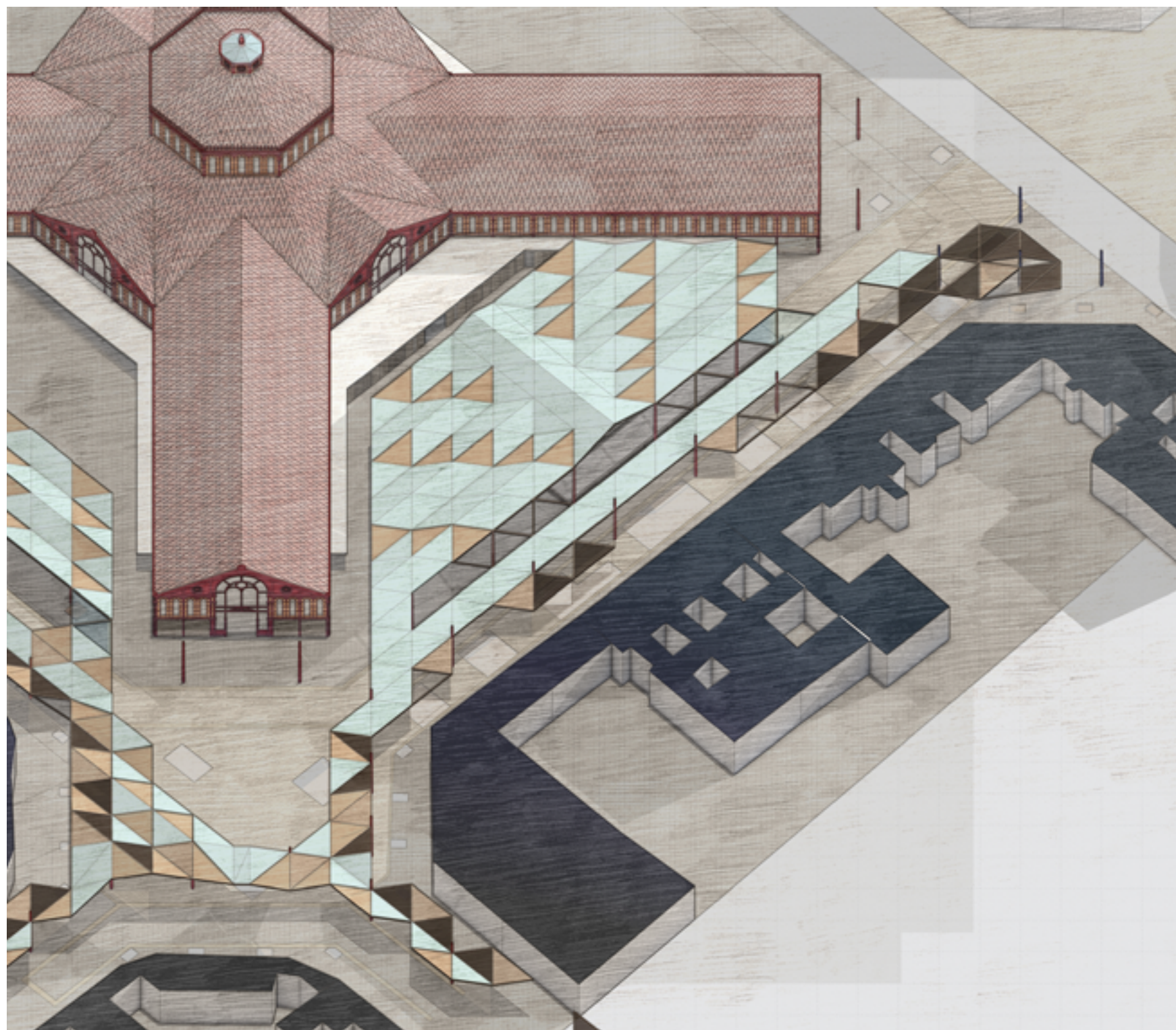




Glow

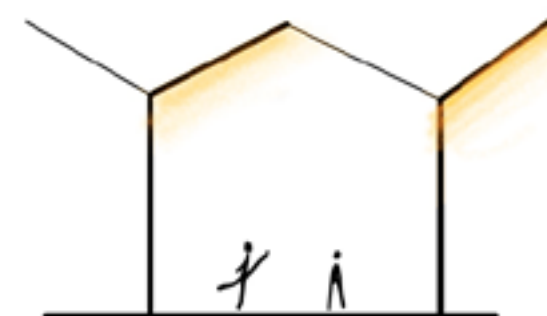
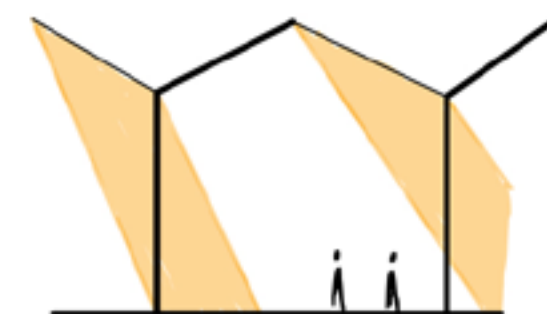
An alternating
resplendor.
Creates
reference and
identity.

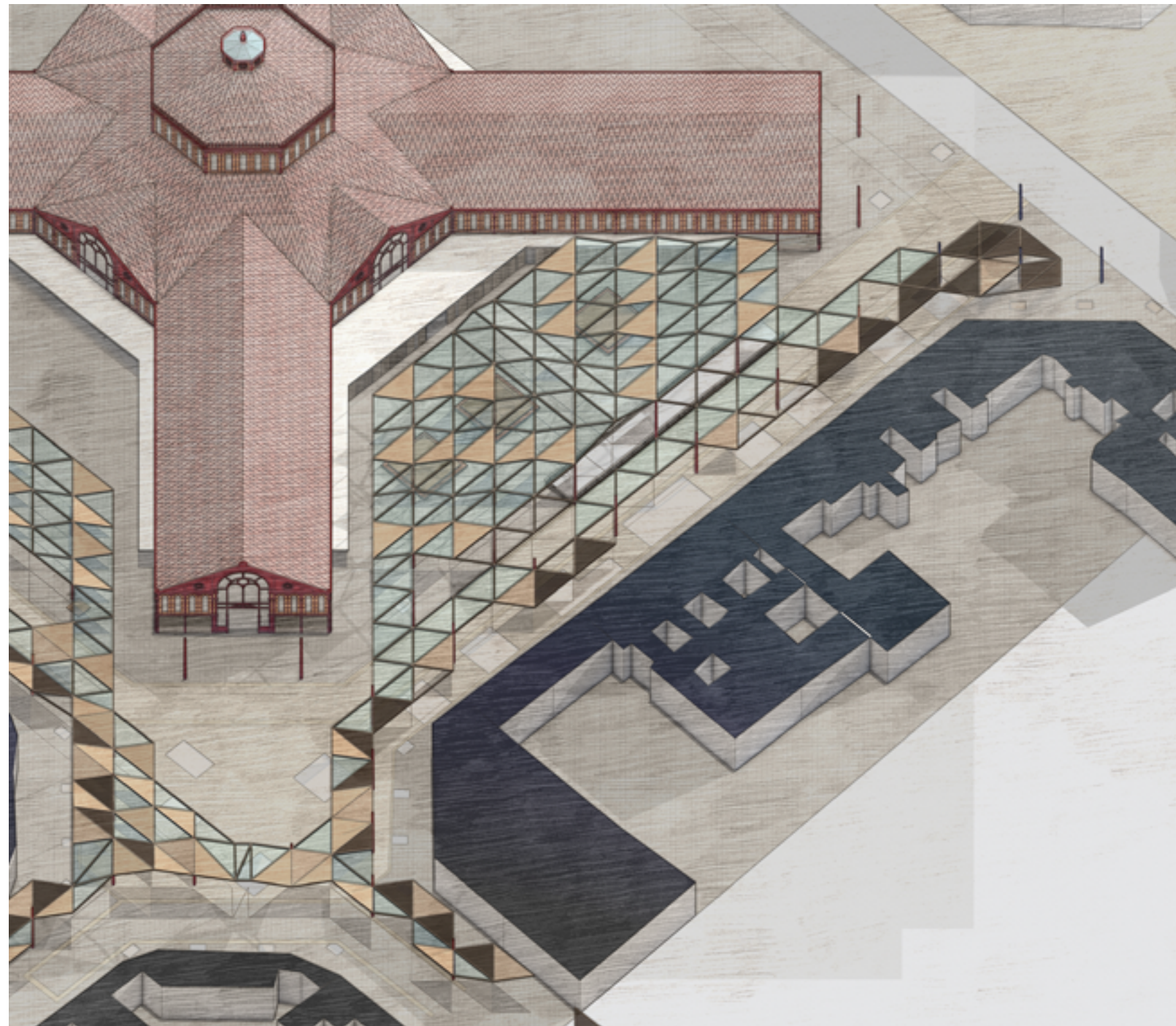




Solid

Provides shade and protection during the day, and contention and spatial reference during the night.

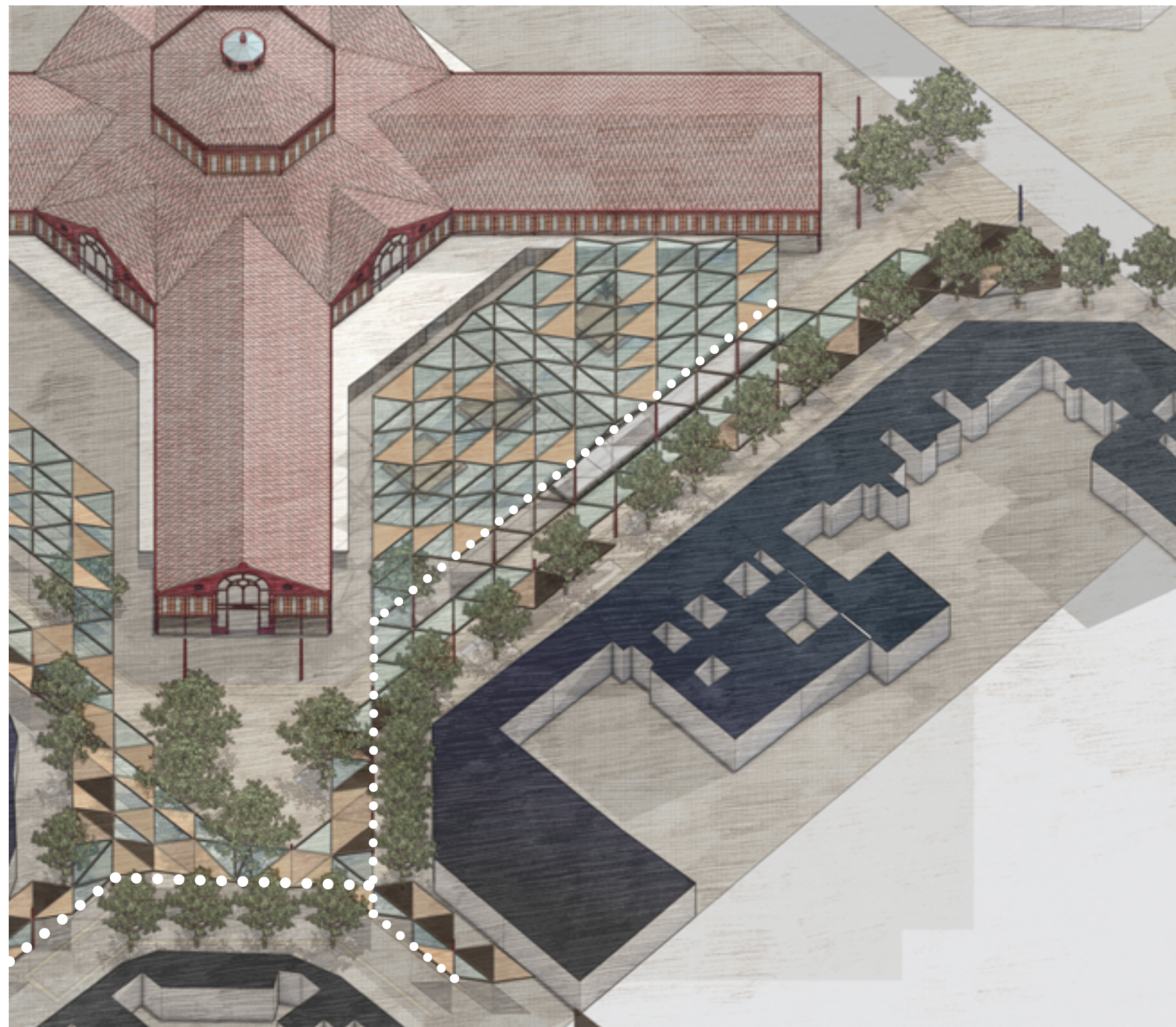




Glazed

Lets the sun in while providing protection against rain and avoiding obstacles in viewing heritage.



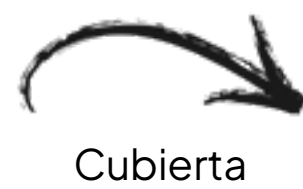
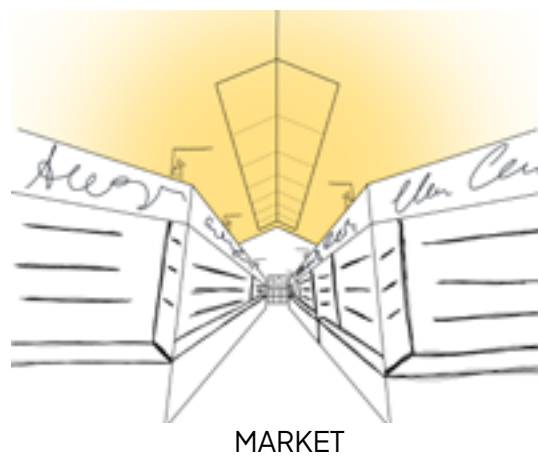


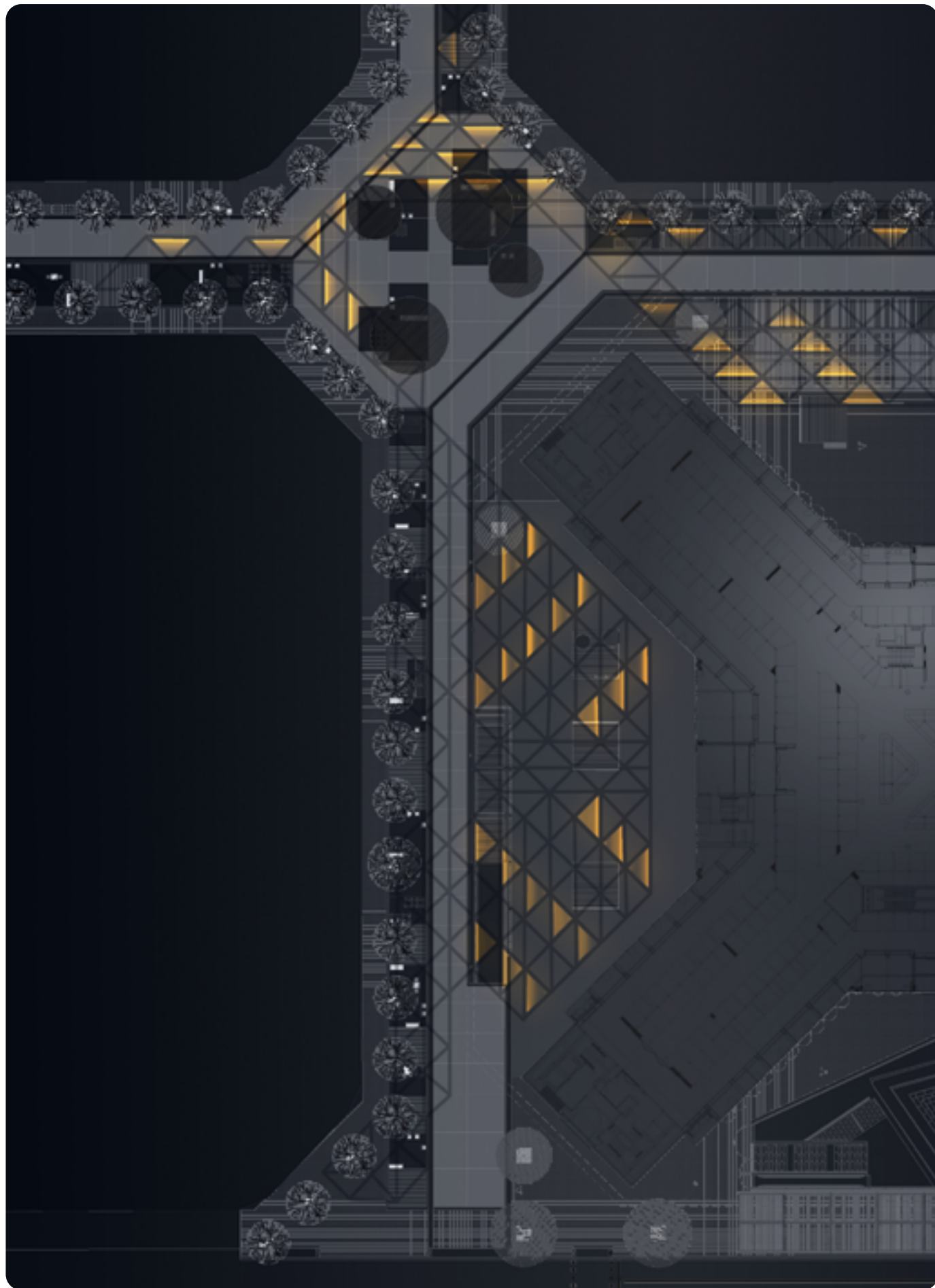
Guide

A repetition of aligned brilliances orders circulation of vehicules from above, in contraposition to the free movement of the people.



Design Solutions

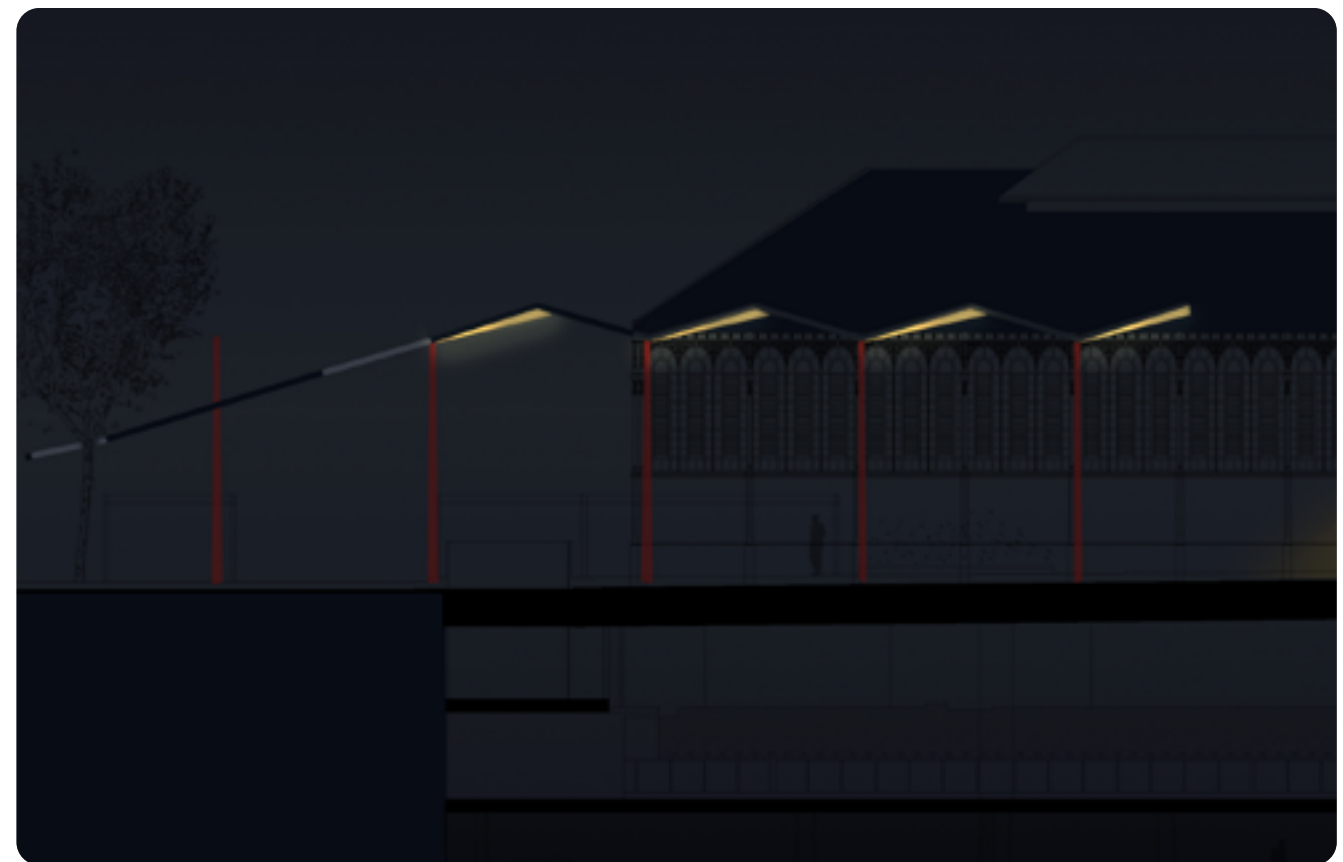
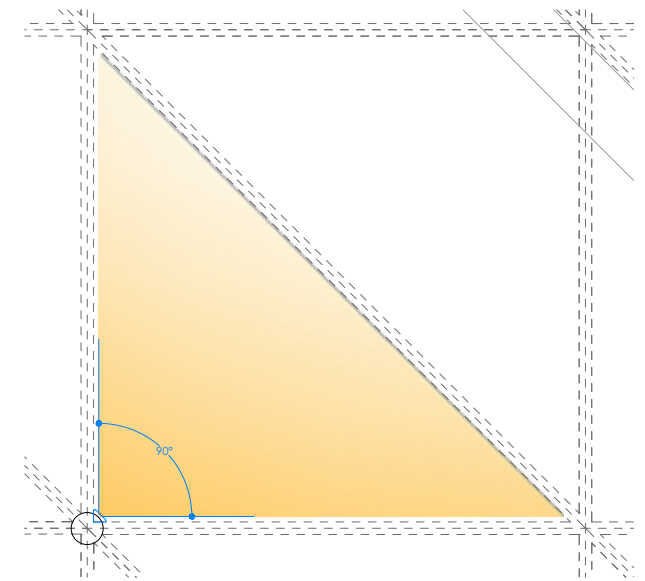


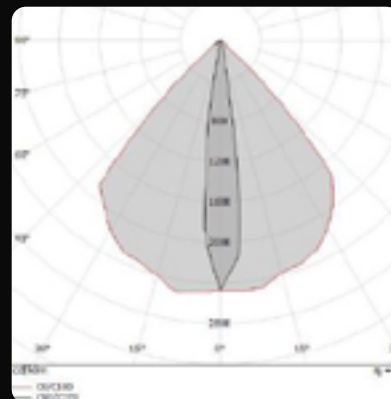


ATTRACTION AND LINGERING

Grazing light - 2700k

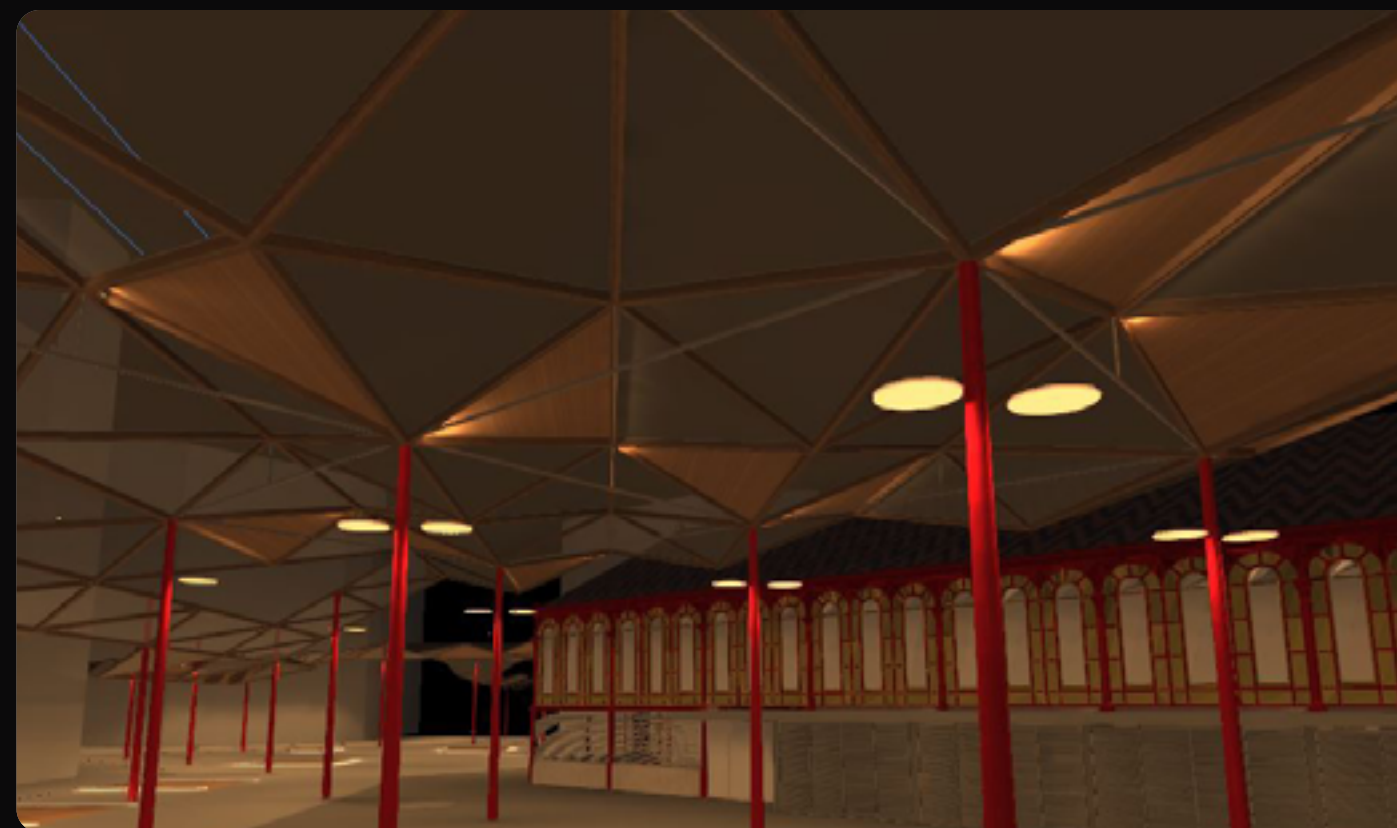
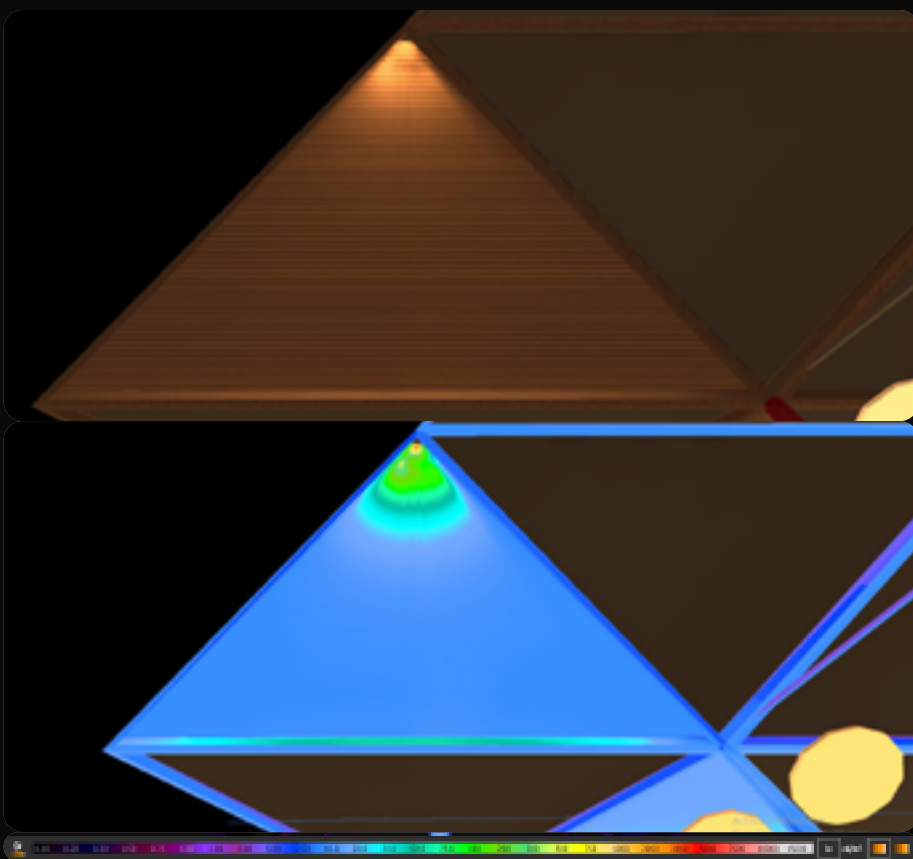
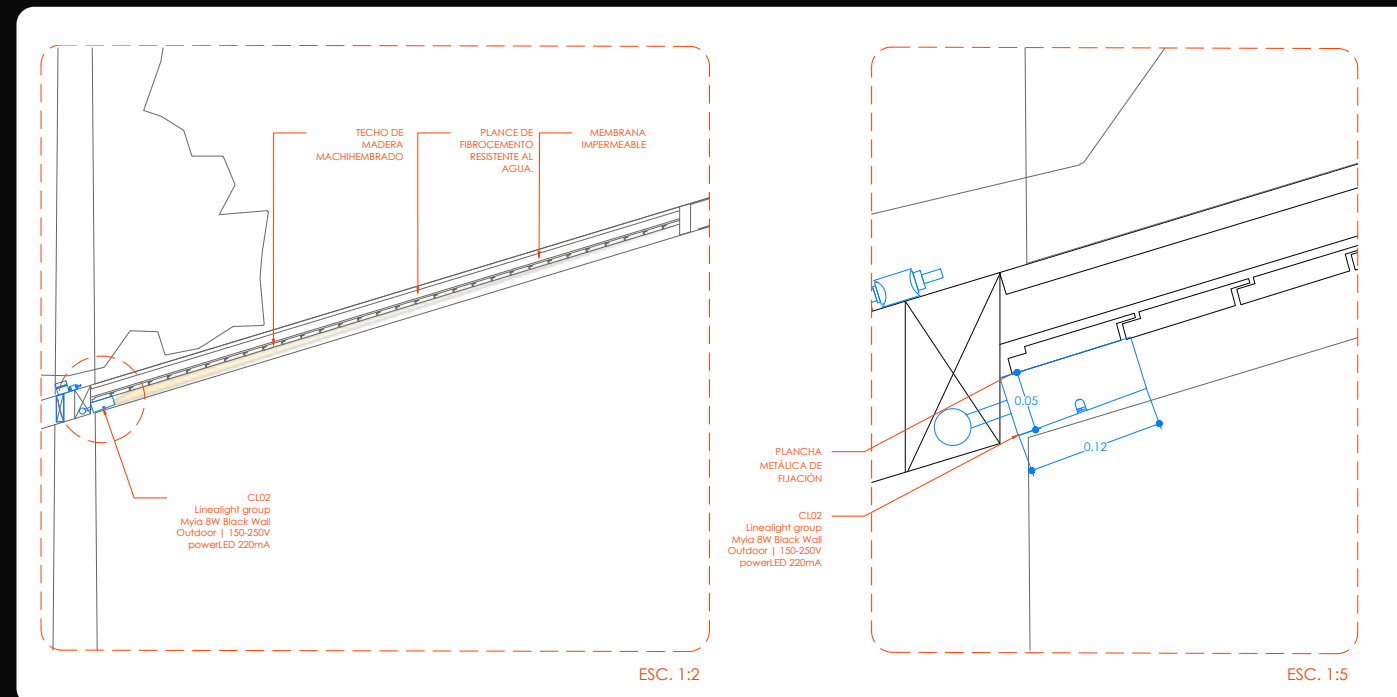
The illuminated solid modules of the canopy draw pedestrians in—its warm, even faded glow contains and offers spatial awareness during the night.

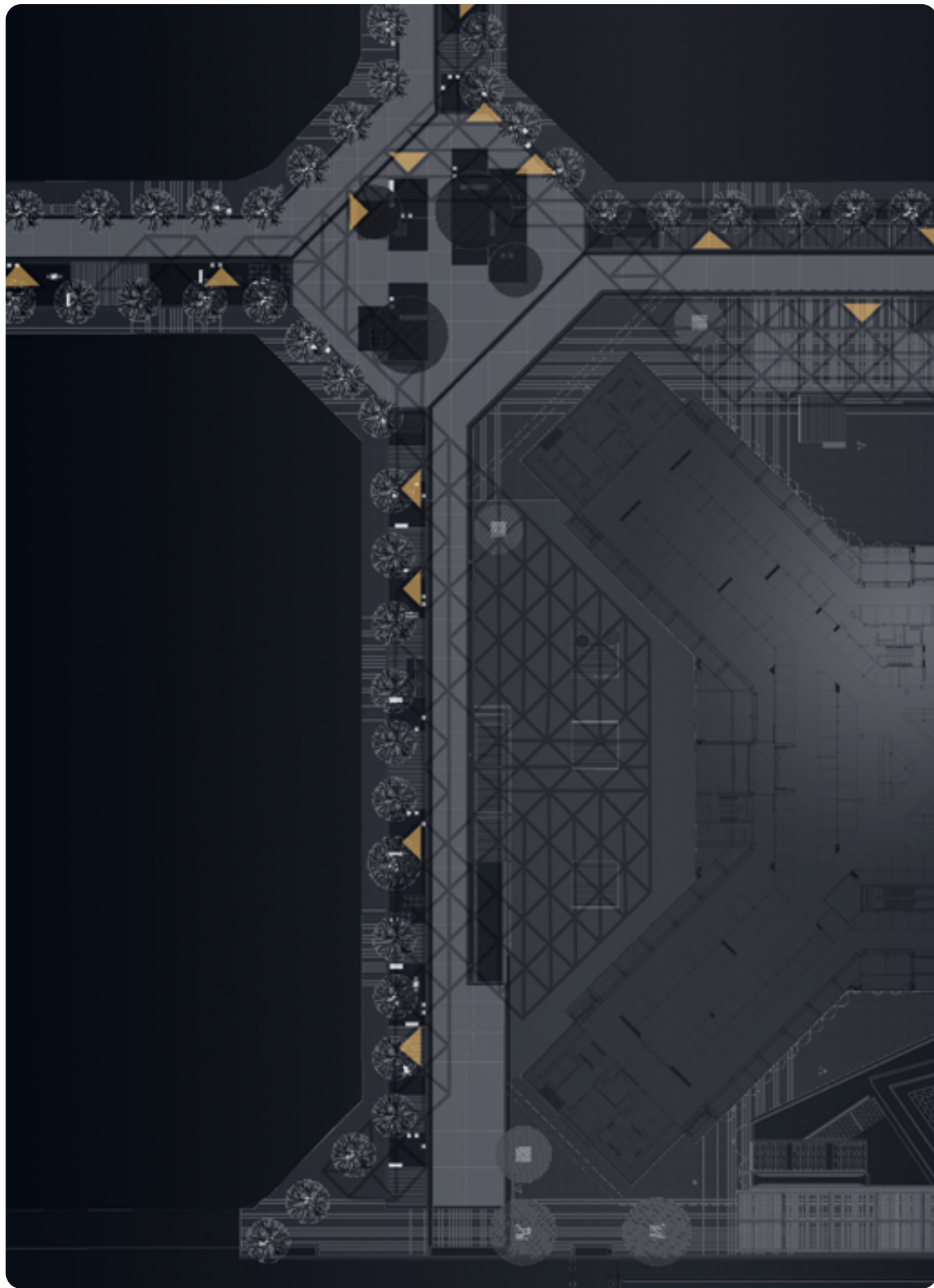




Myia (Linealight)

Wall grazing
NP: 10.5 w DC
2700K
IP65
311 lm

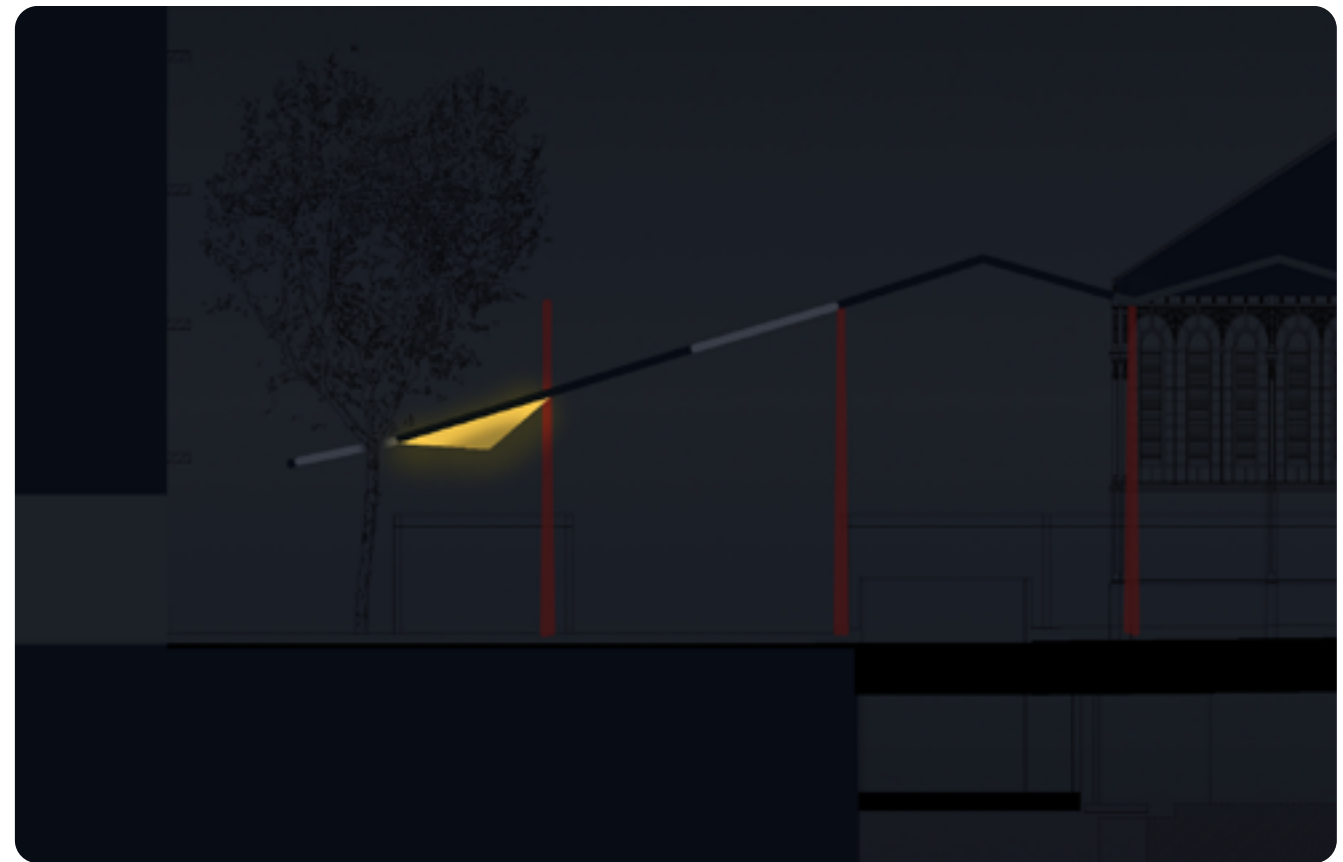
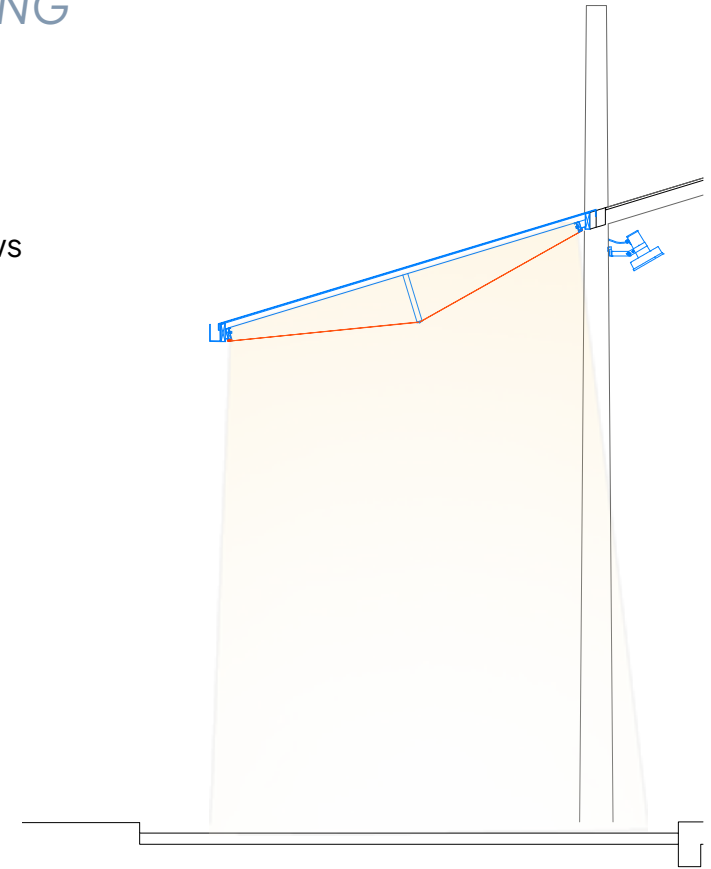


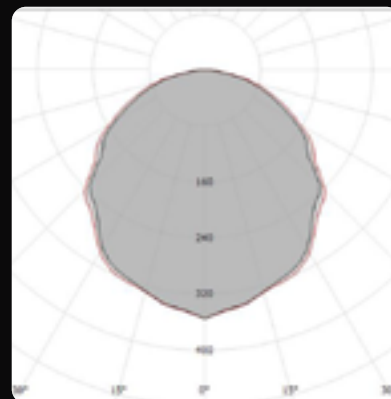


ATTRACTION AND LINGERING

Backlight -2700k

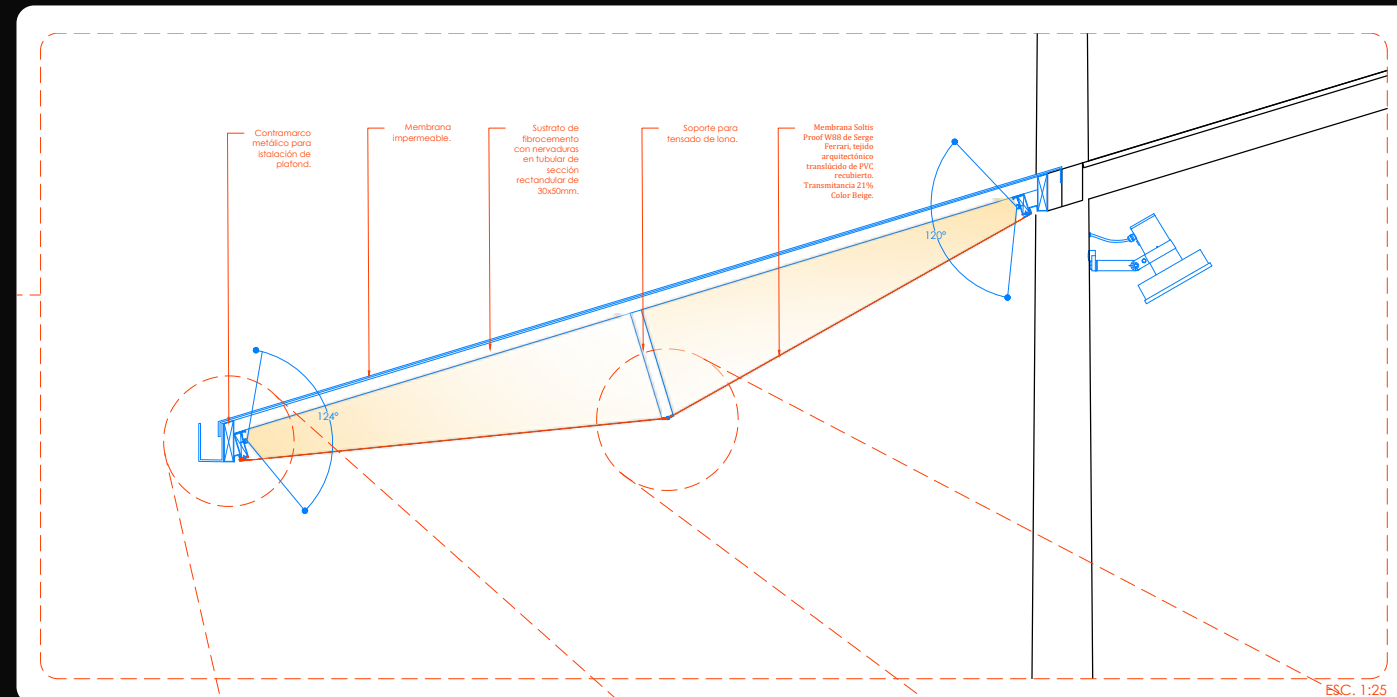
The illuminated segment of canopy draws pedestrians in—its warm, even glow enhances visibility, fosters comfort, and creates a welcoming sense of safety at night.





Thin 66 (Linealight)

Diffuse optic
NP: 4.8w DC
24V
2700K
IP66
159 lm



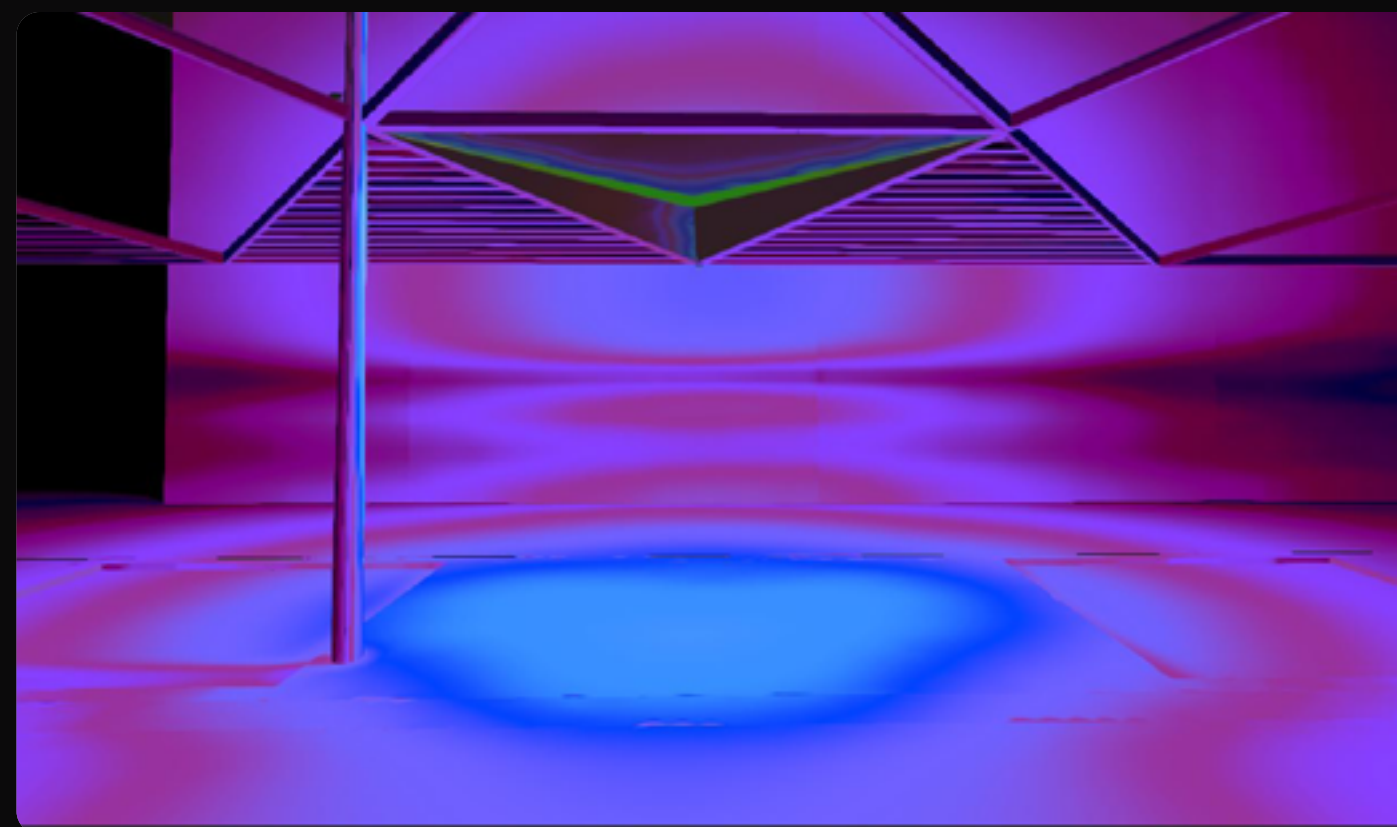
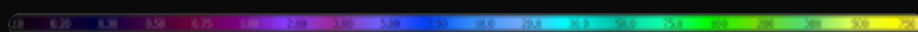
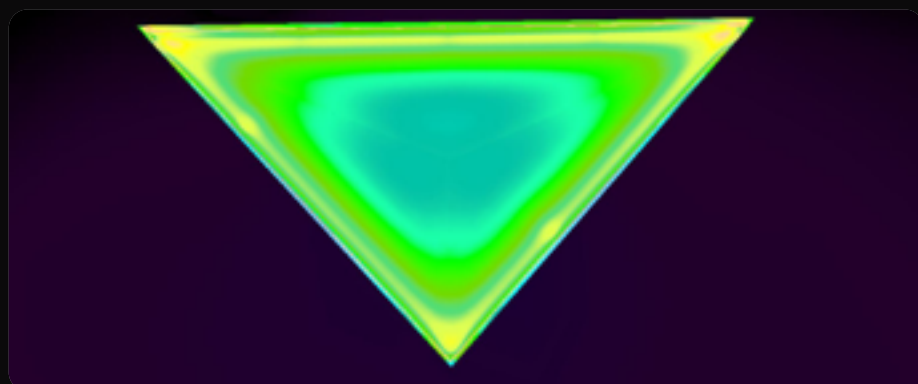
21% transmittance
textile

$\eta = 0,9$

$E_m = 200 \text{ lx}$

$L = 15 \text{ cd/m}^2$

Contrast from
1:10 to street
1:3 to facades





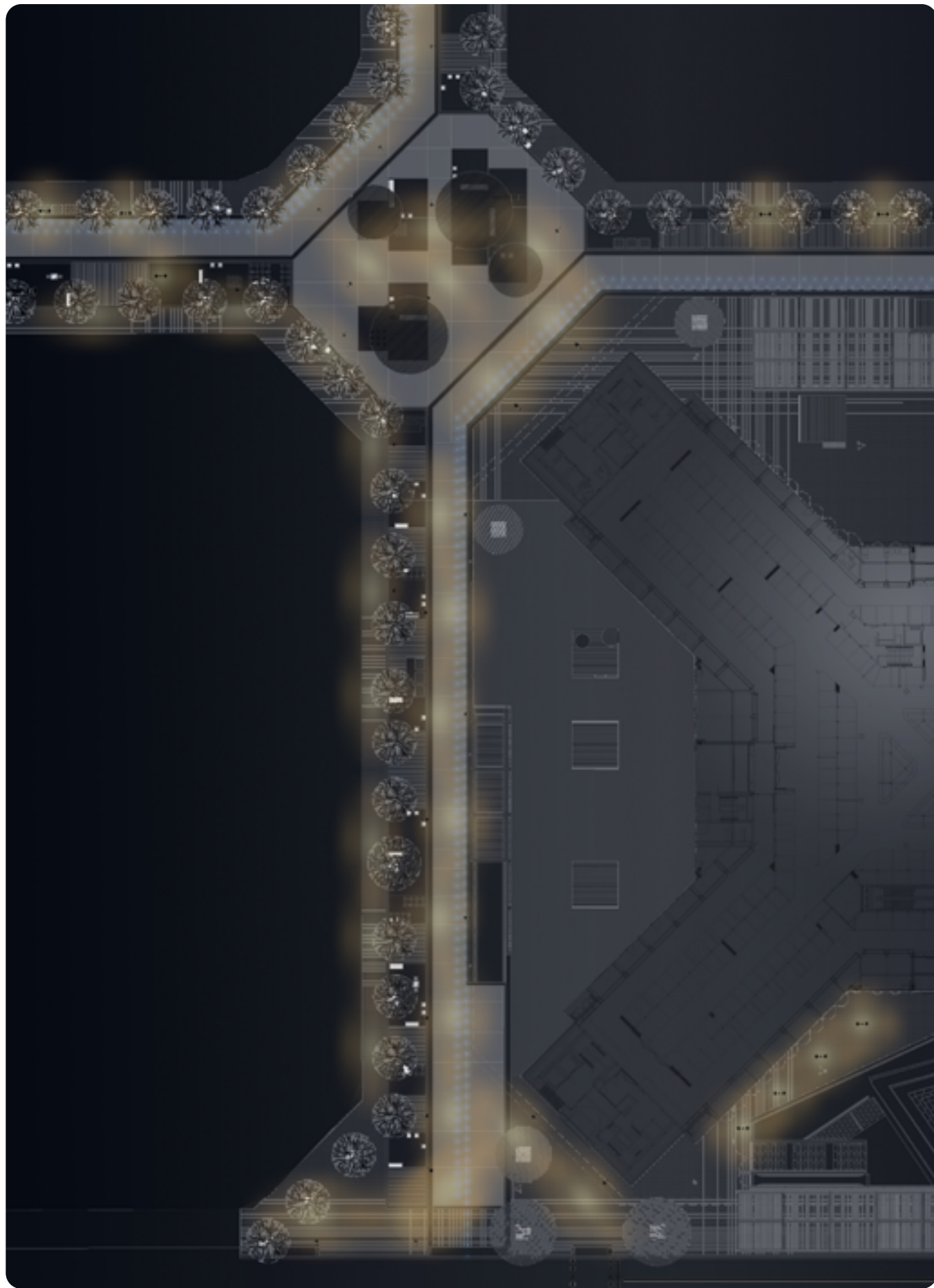
MARKET



tresbolillo



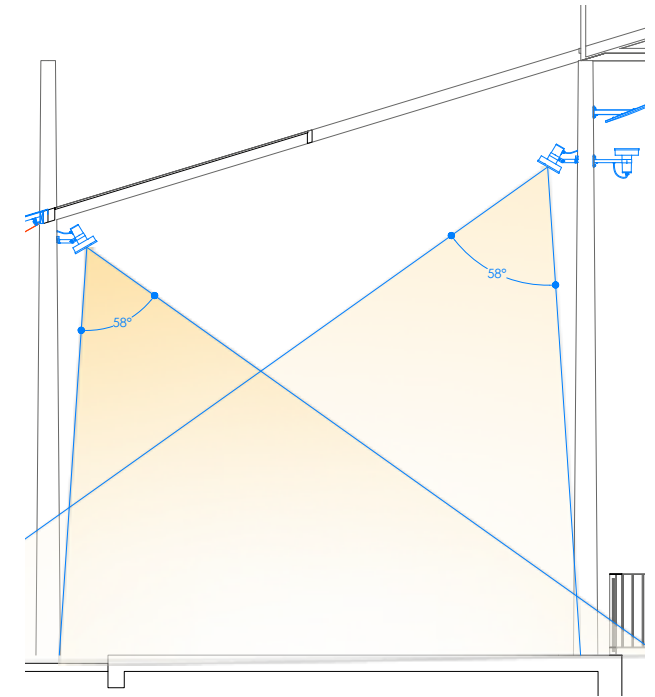
STREET

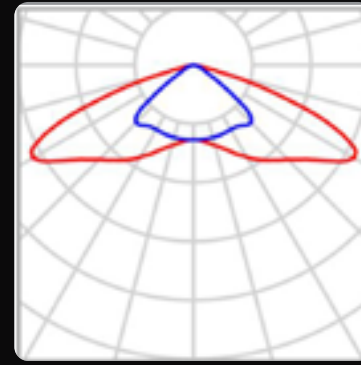
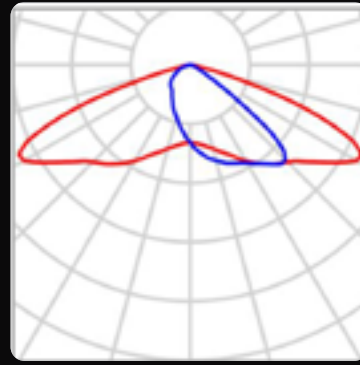


GUIDE, ORDER AND DISCOVERY

Projected light - 2700K

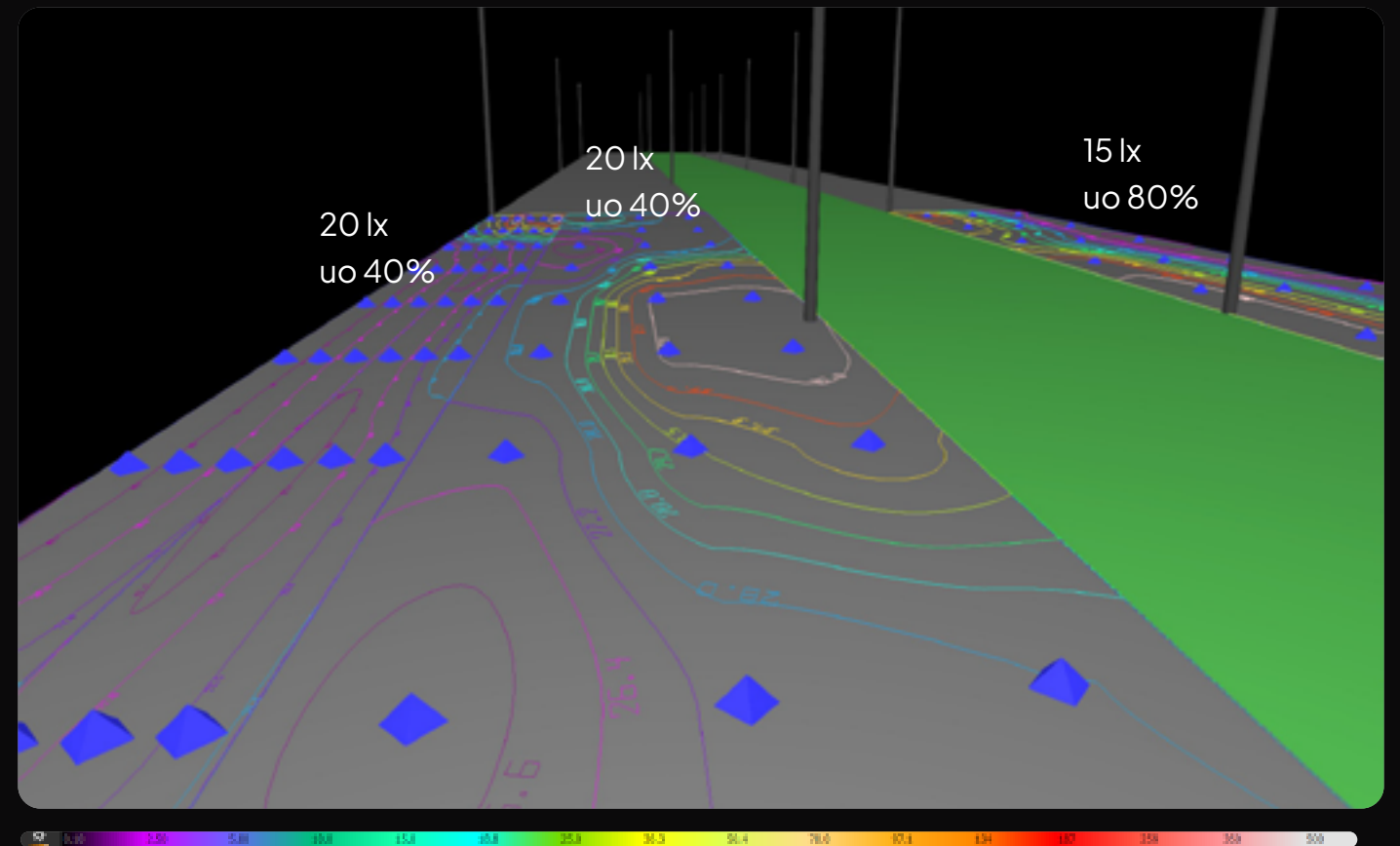
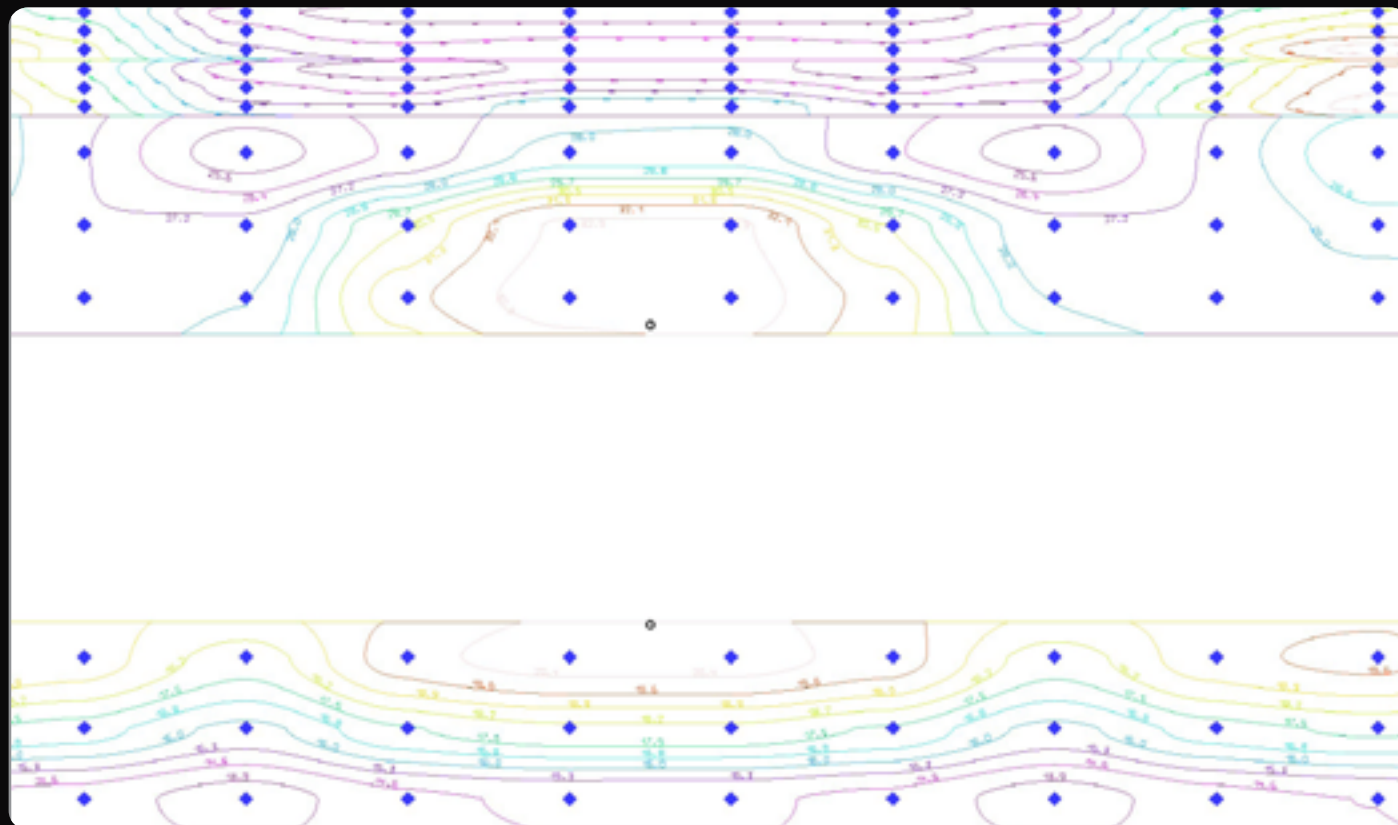
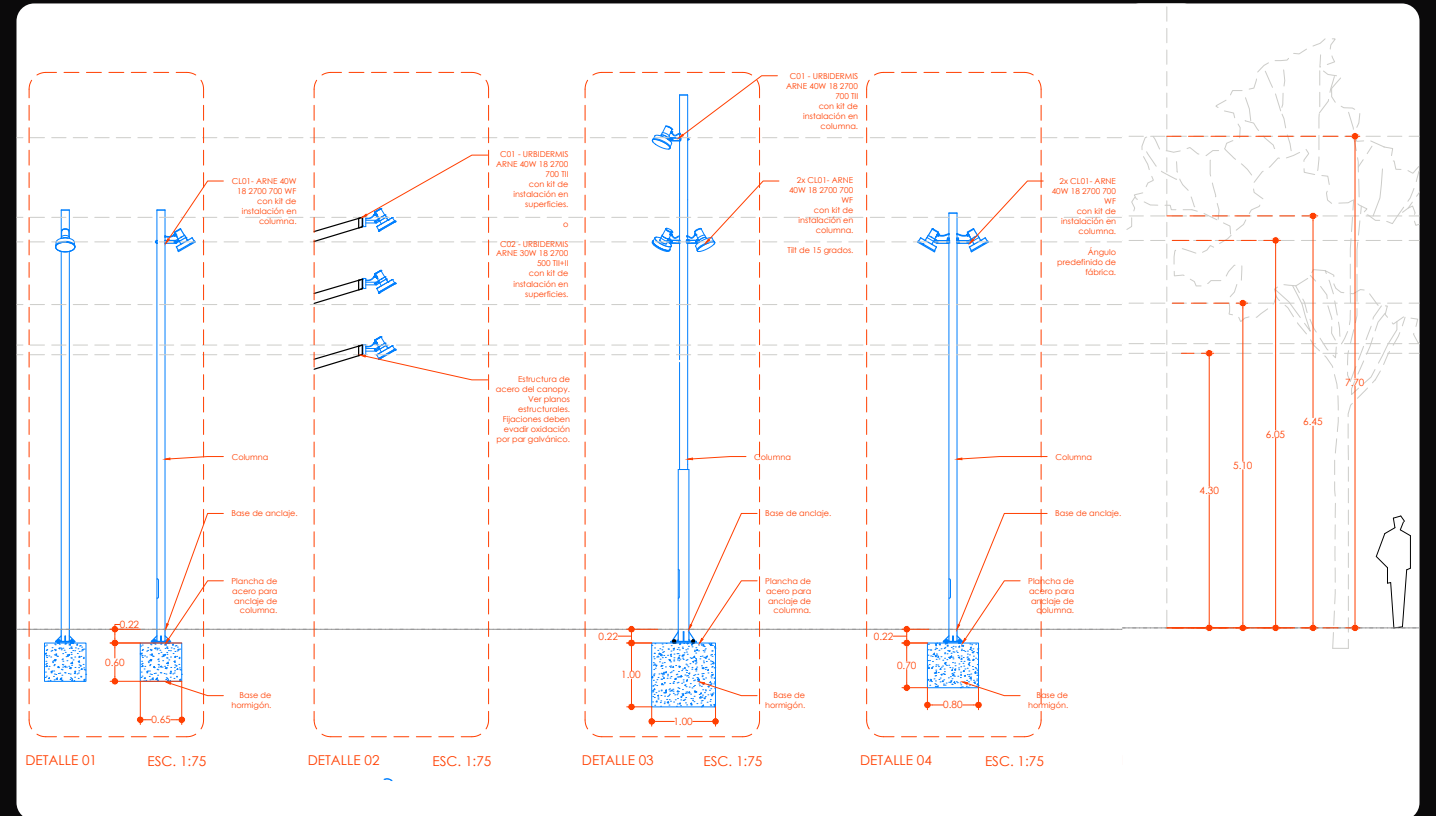
An ordered transition links street and market—through lighting sequence, rhythm, and atmosphere—where alternating points of light bounce across space, echoing pedestrian diagonals against the car's straight path.

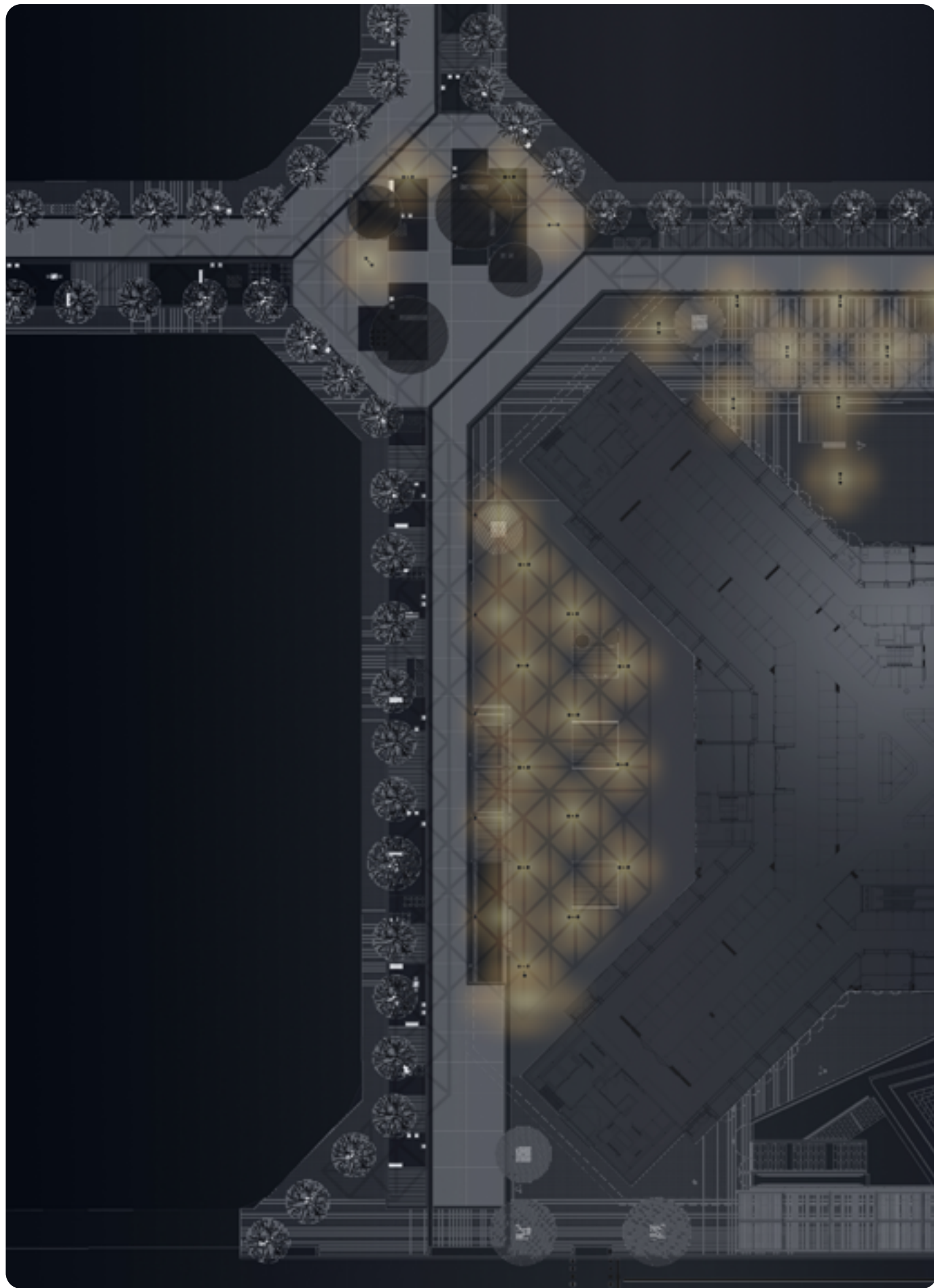




URBIDERMIS ARNE
ARP18C3TII
40.0W
4108lm
2700K
IP66

URBIDERMIS ARNE
ARP18B3TII+II
30.0W
3173lm
2700K
IP66

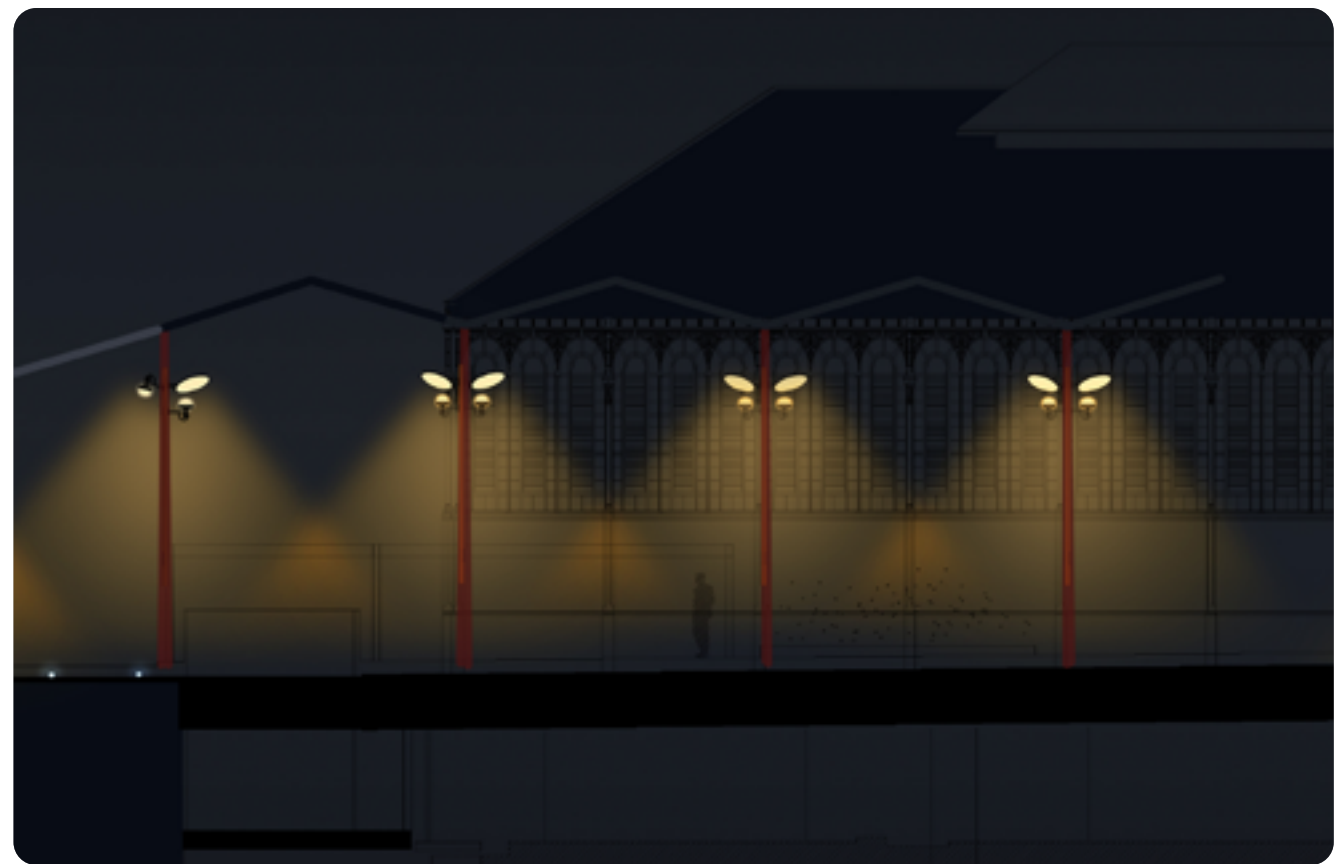
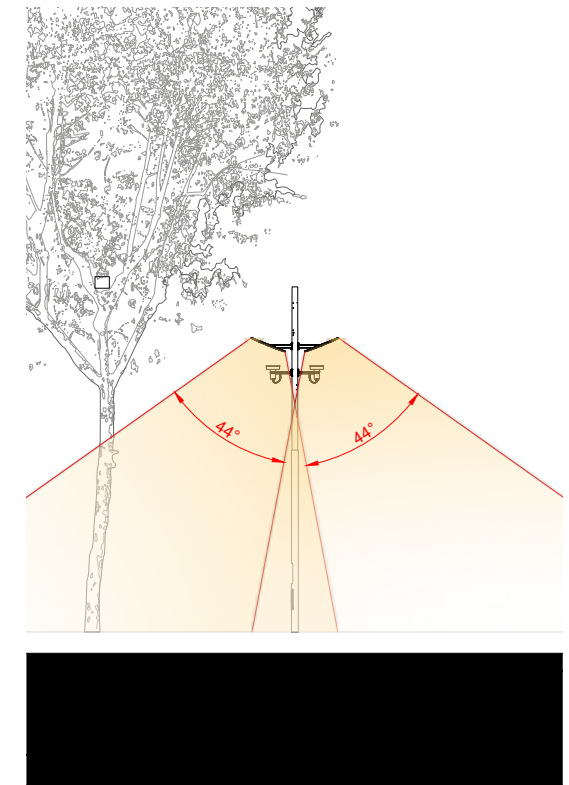


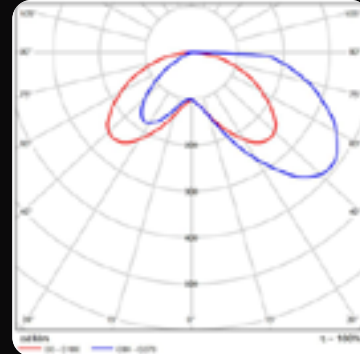


GUIDE, ORDER AND DISCOVERY

Reflected light - 2700K

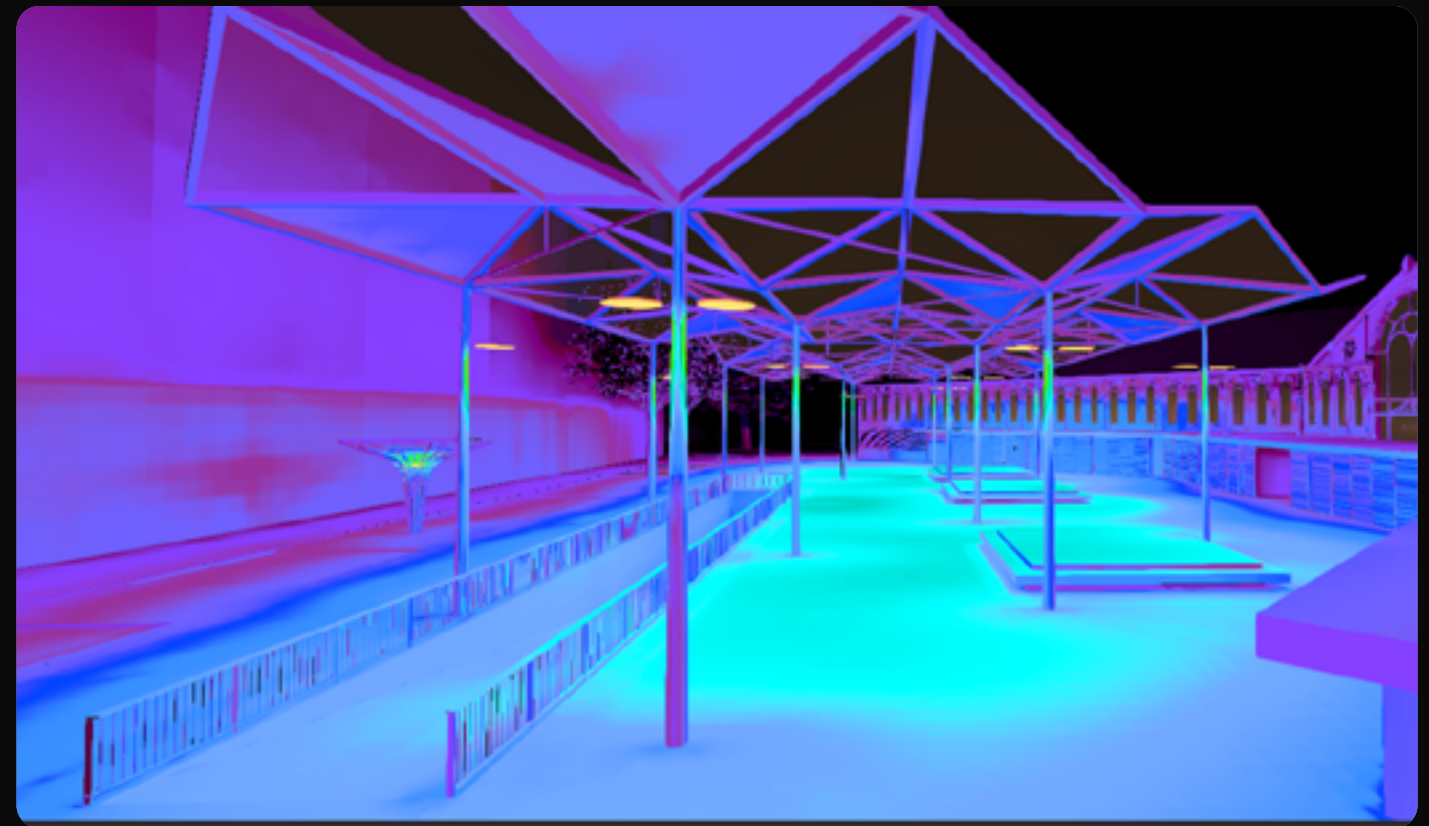
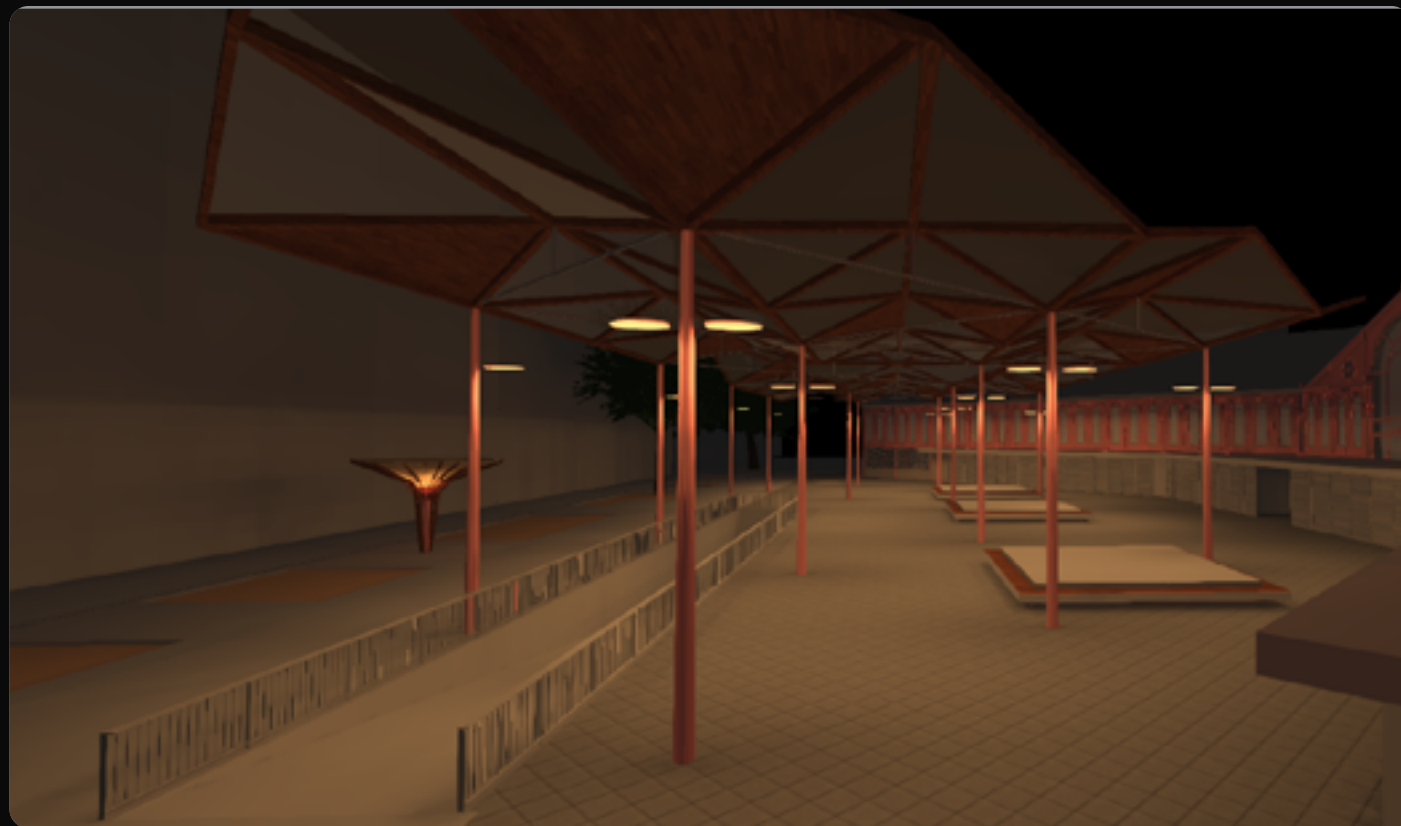
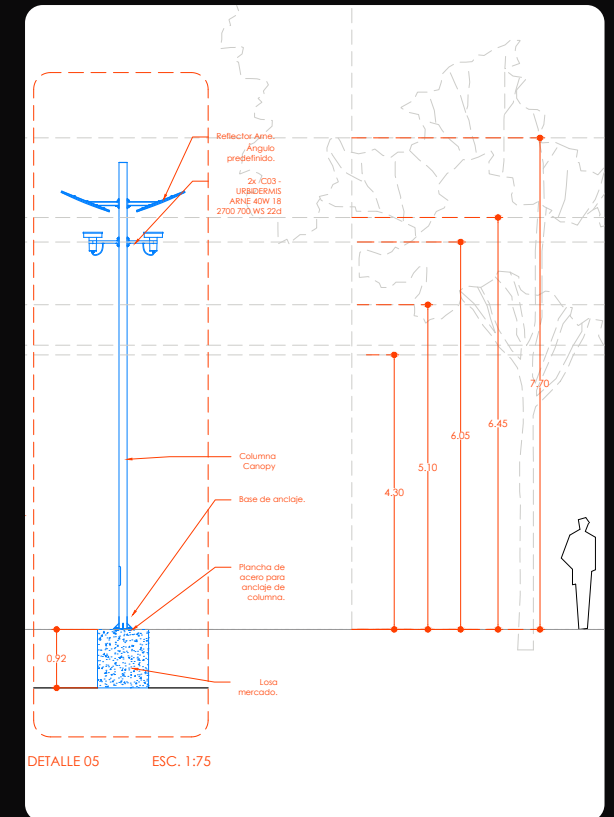
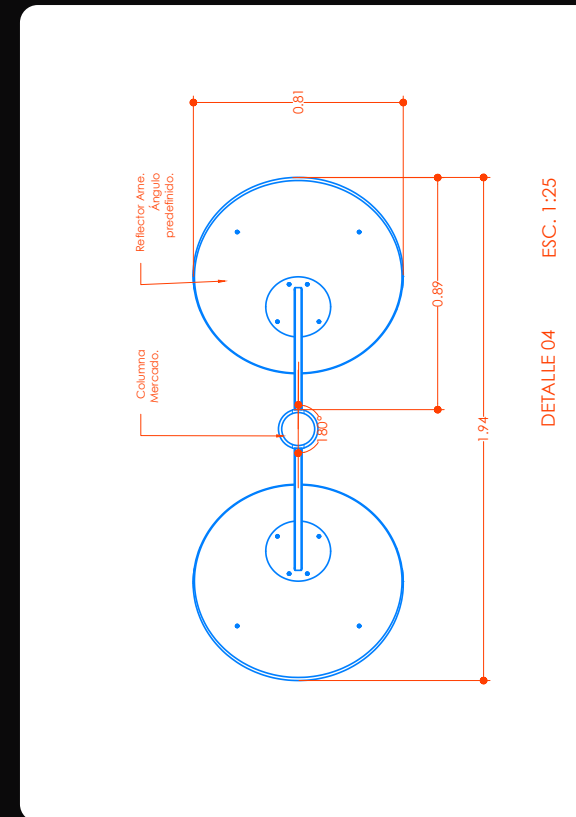
The alternating points of lights grow to announce entry to the market. The bounce continues across space, and the uniformity invites to stay.

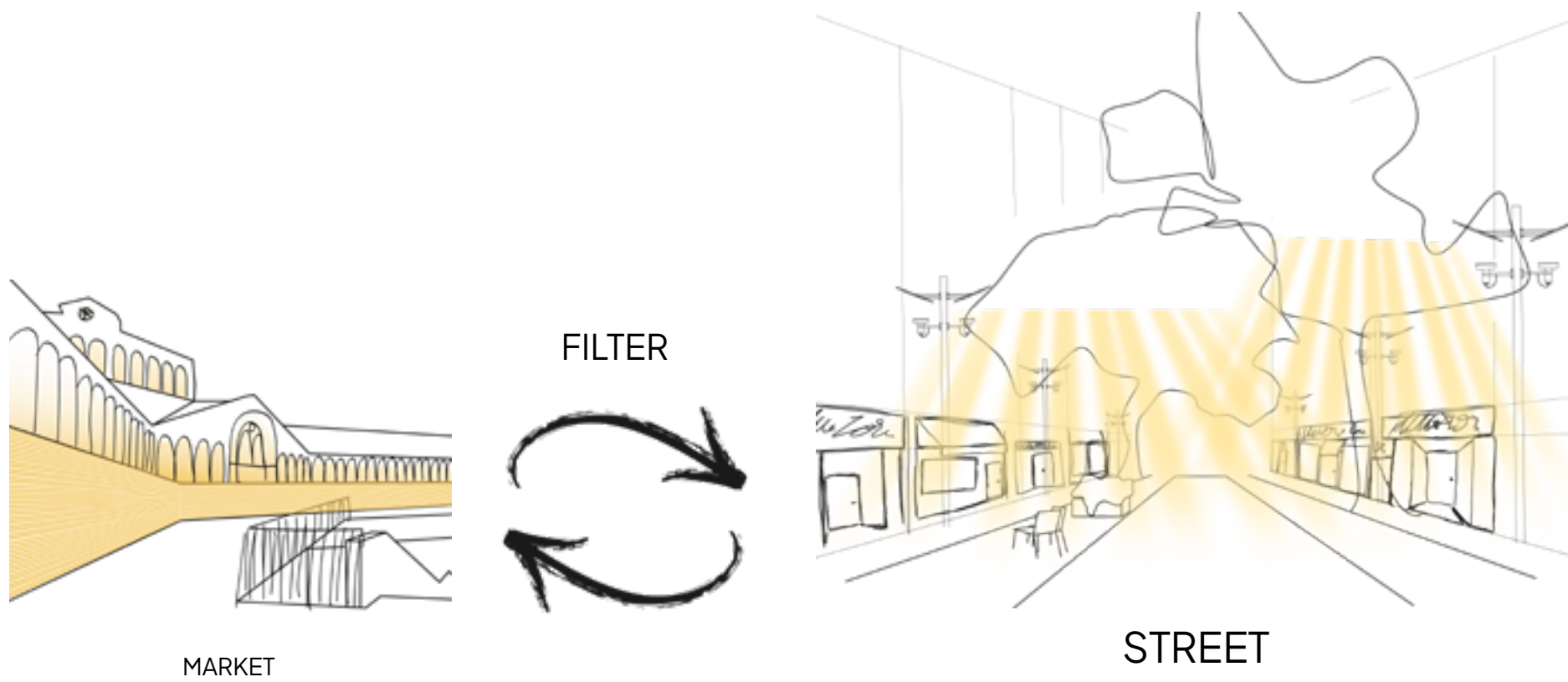


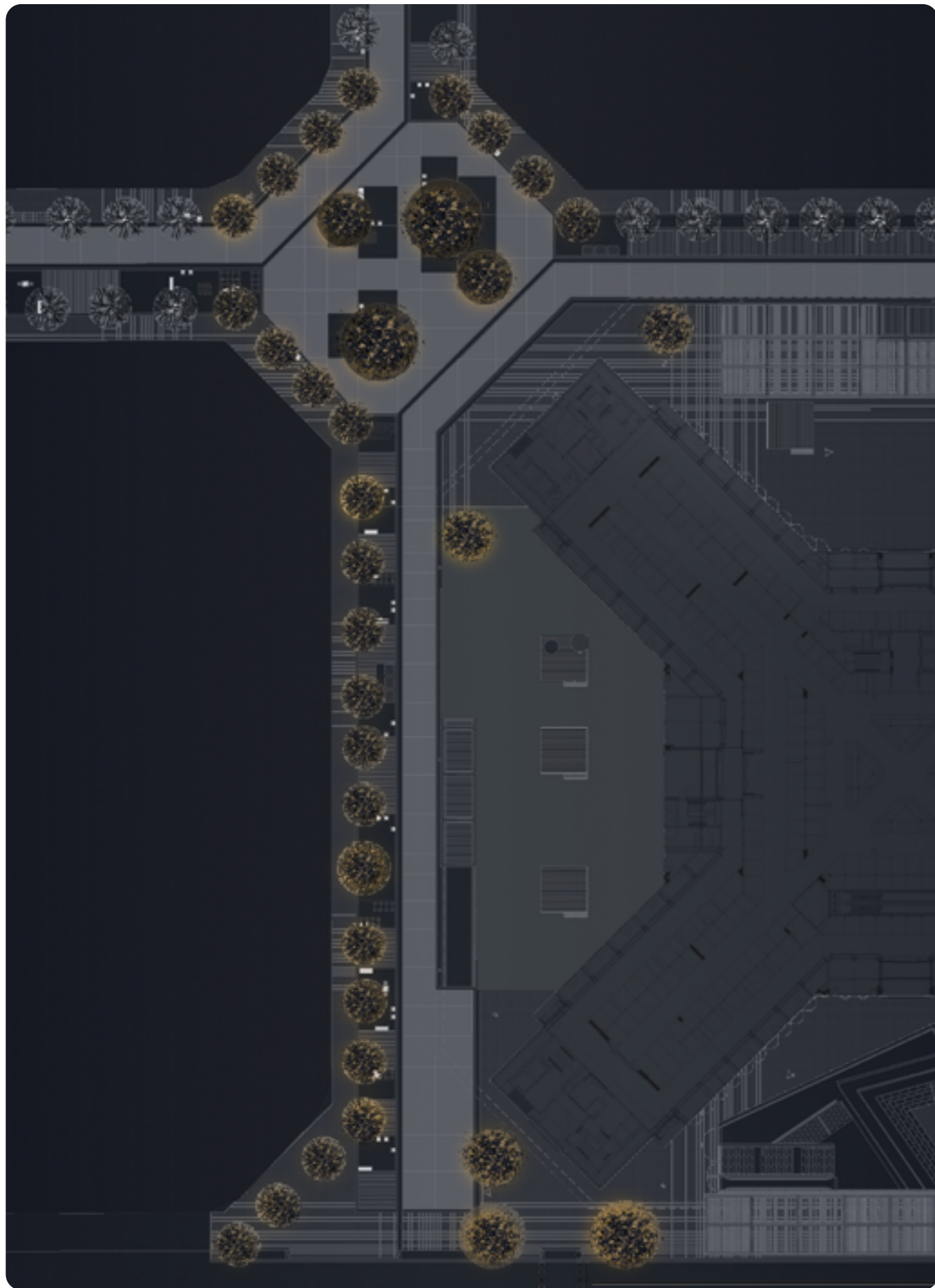


URBIDERMIS ARNE

Indirect
40.0W
2549lm
2700K
IP68
CRI 80



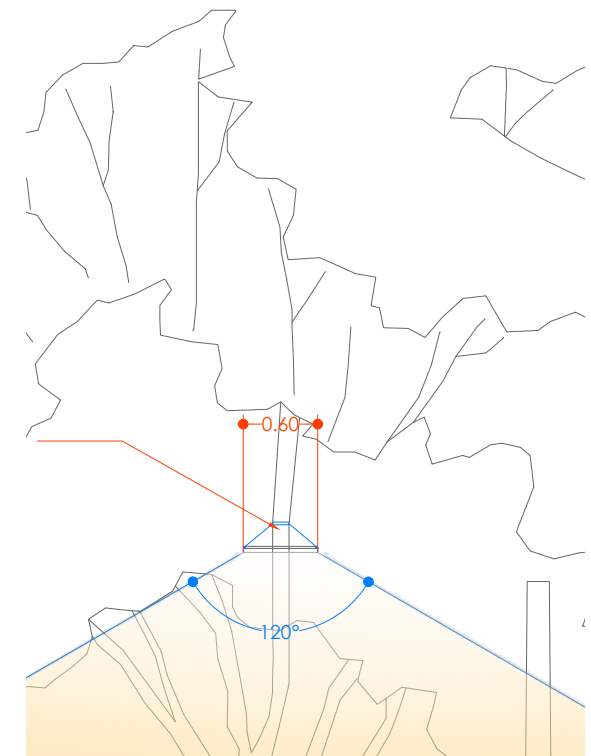
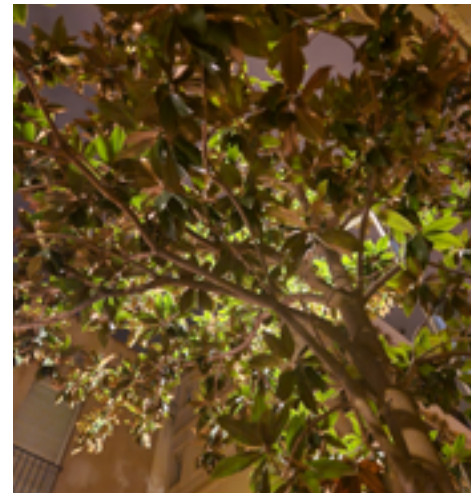


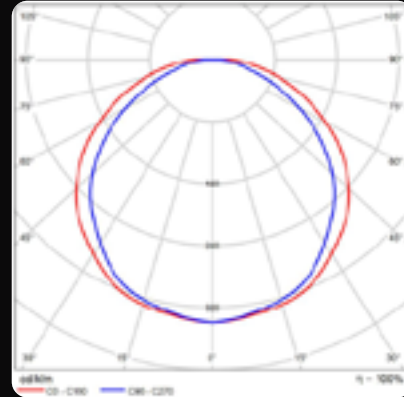


Presence and Contemplation

A back light that enhances the canopy, its textures and its undertones, reinforcing the idea of the tree as a cover, a shelter in the night.

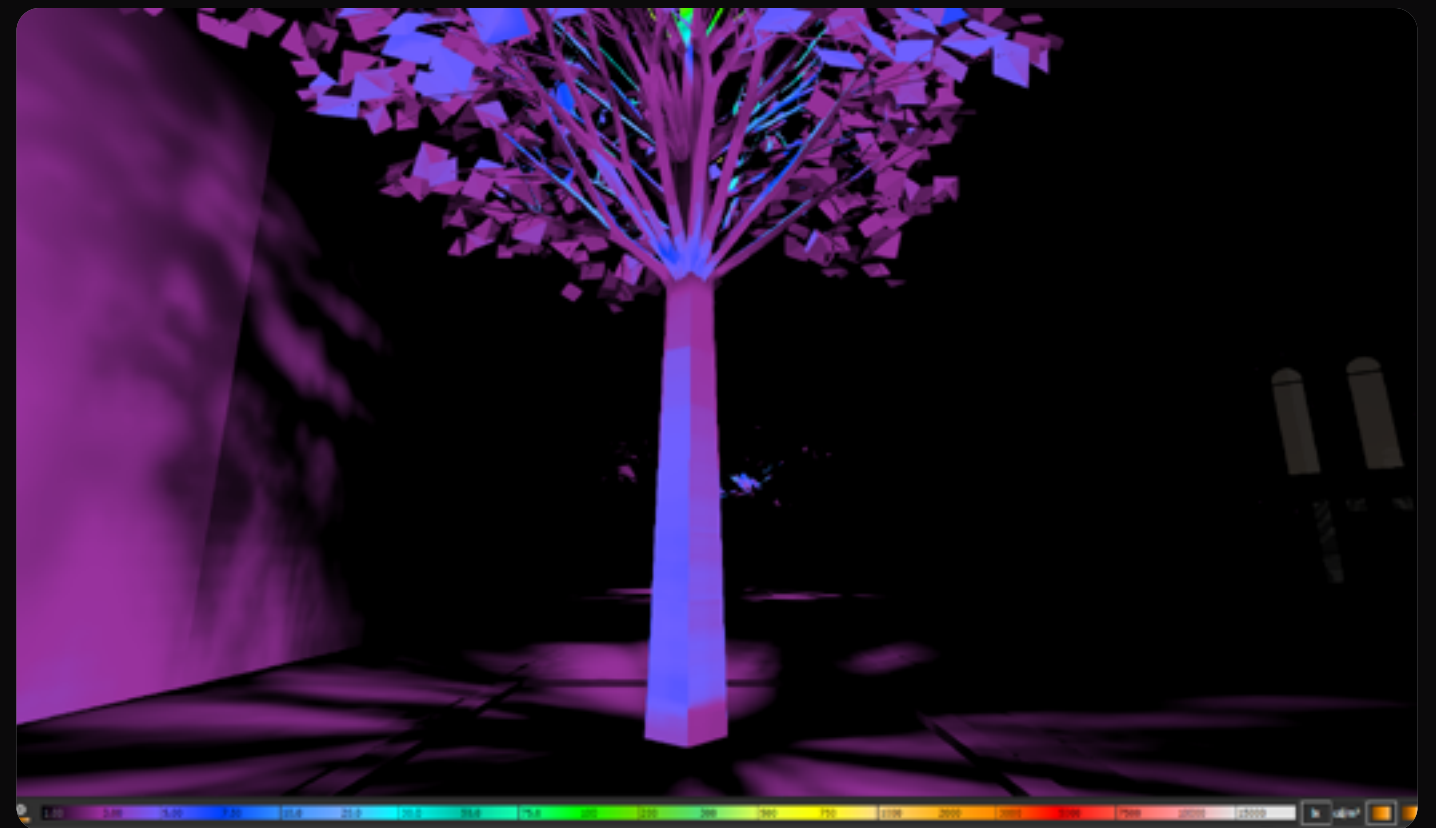
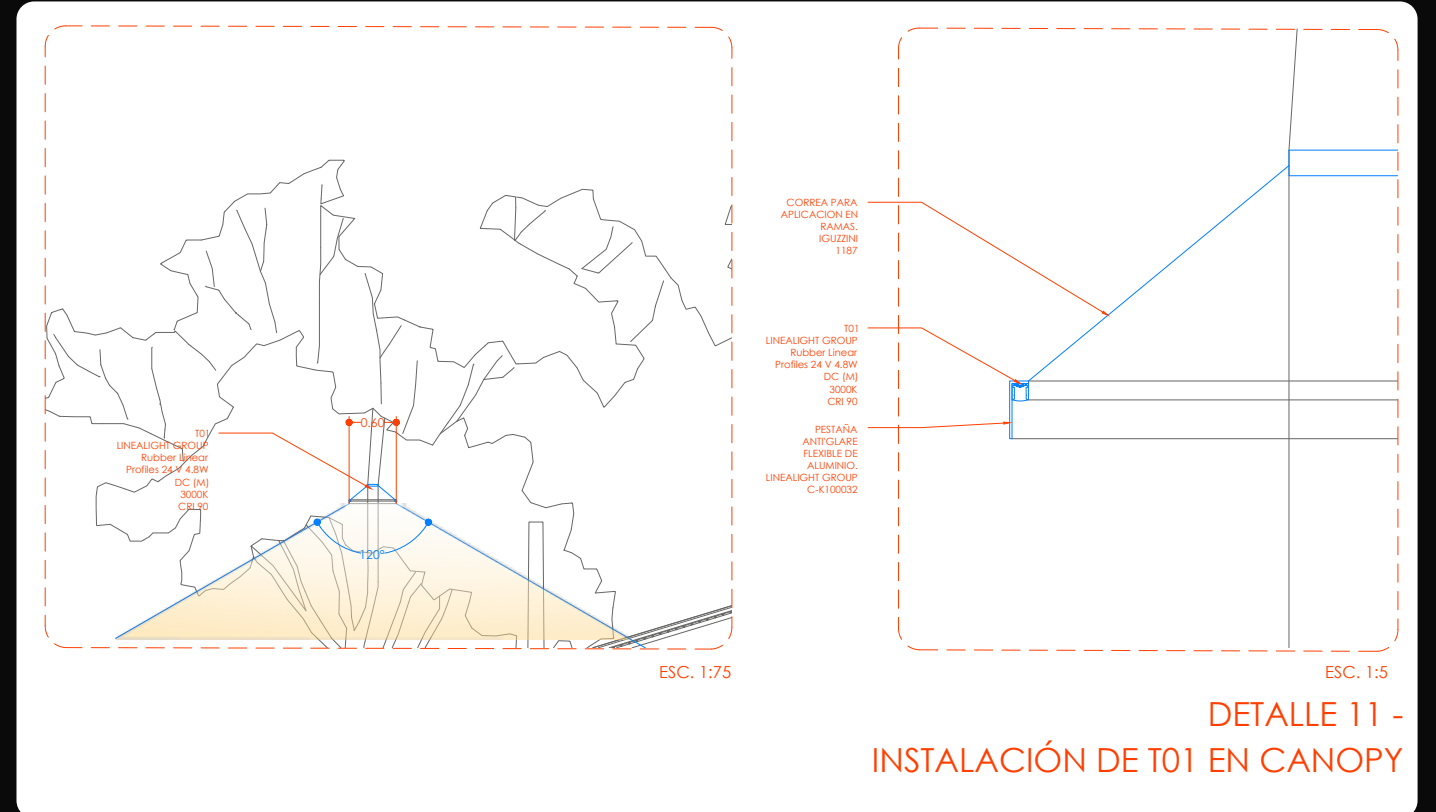
2700K

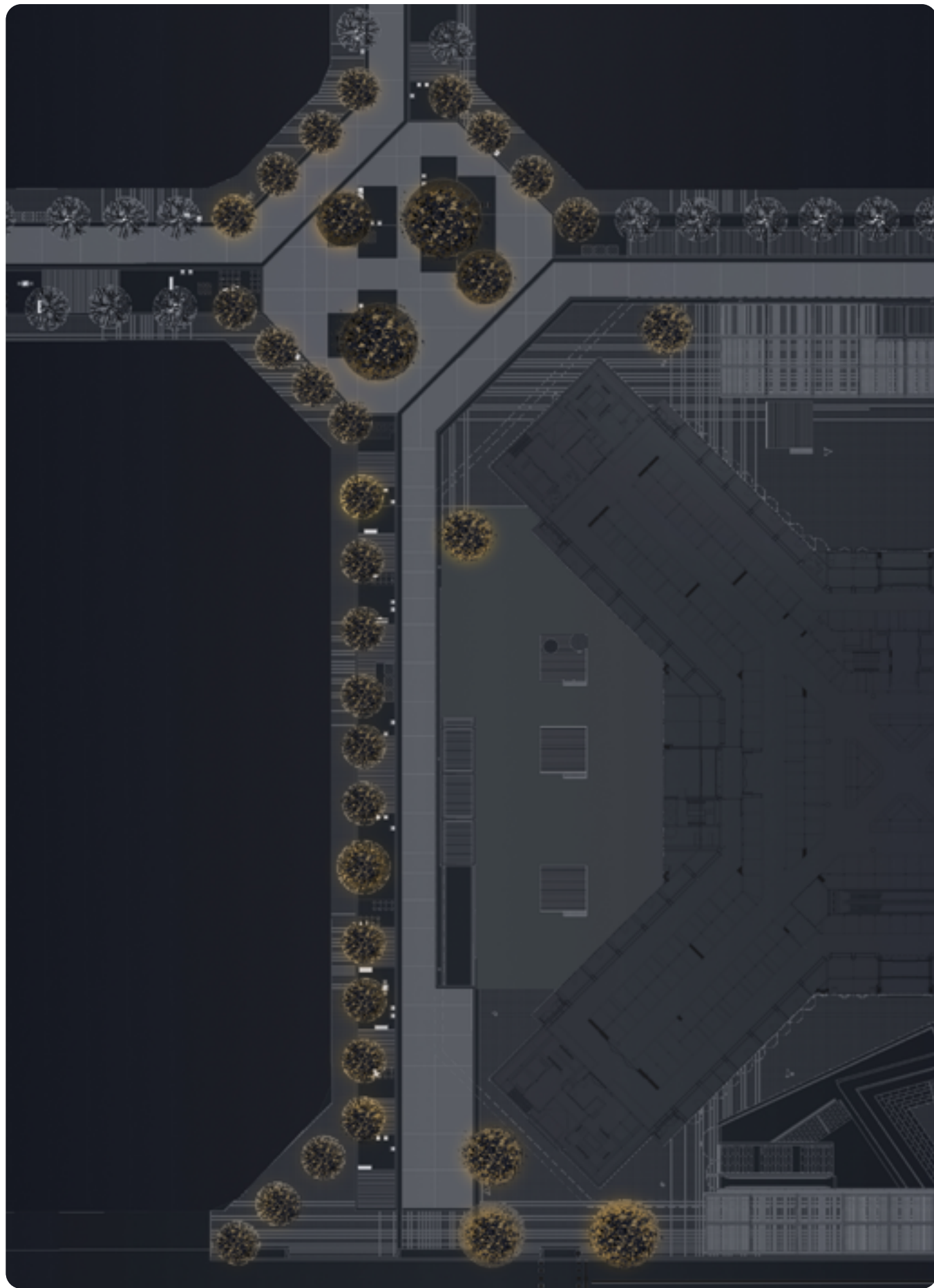




LINEALIGHT Rubber

Diffuse
24.7W
63lm
2700K
IP68
CRI 90

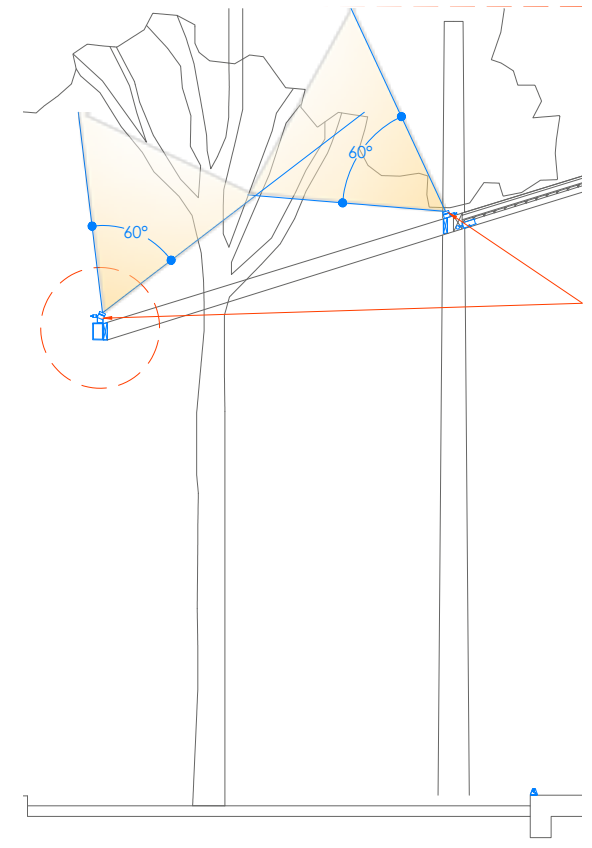
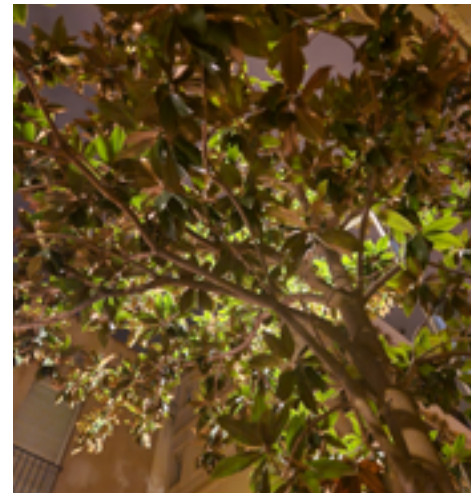


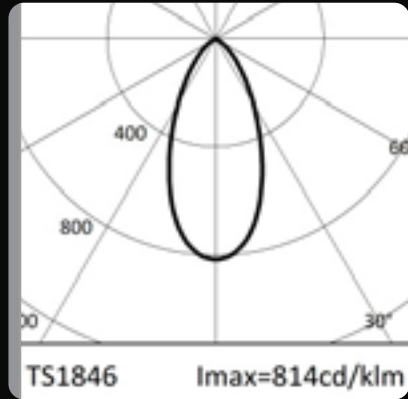


Presence and Contemplation

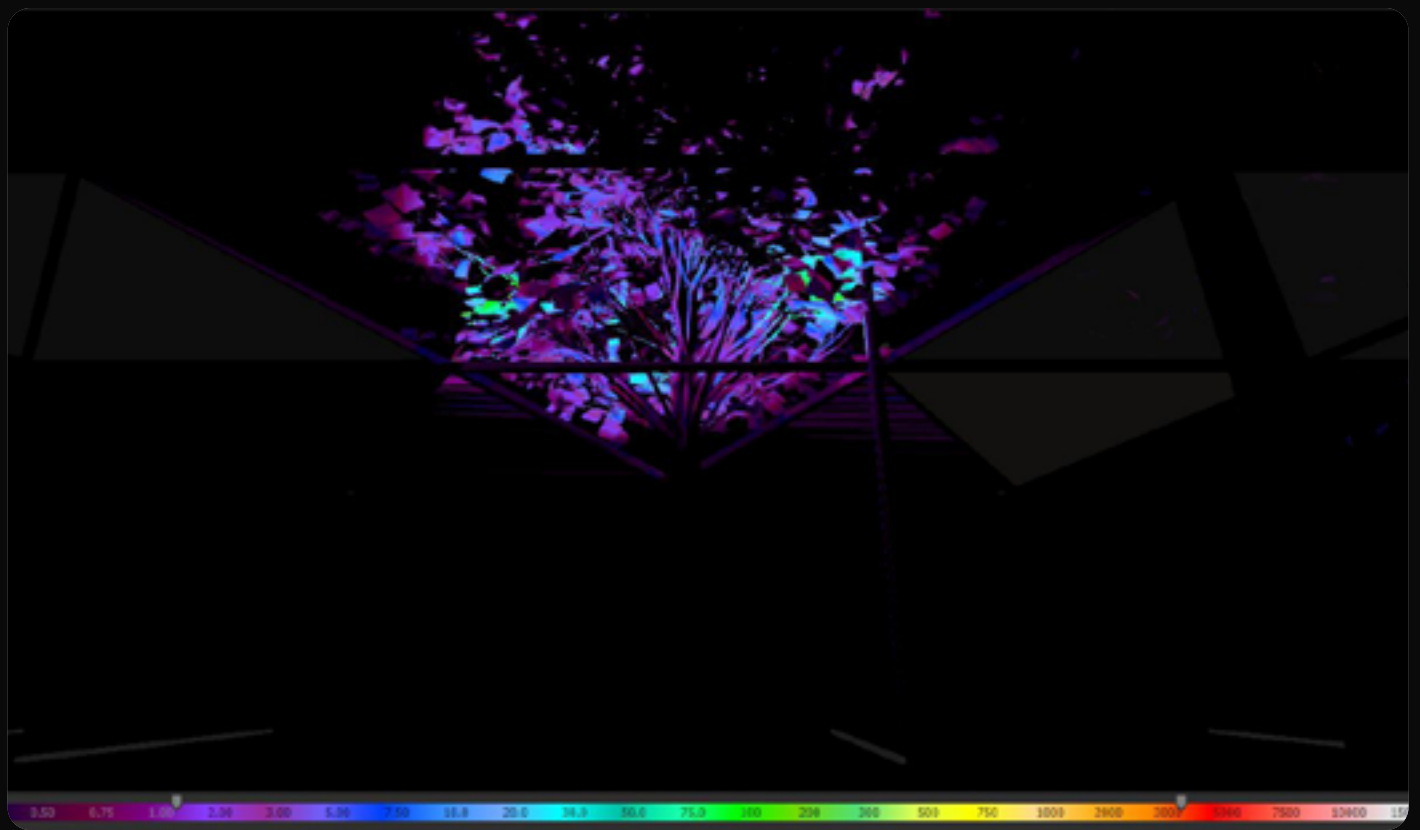
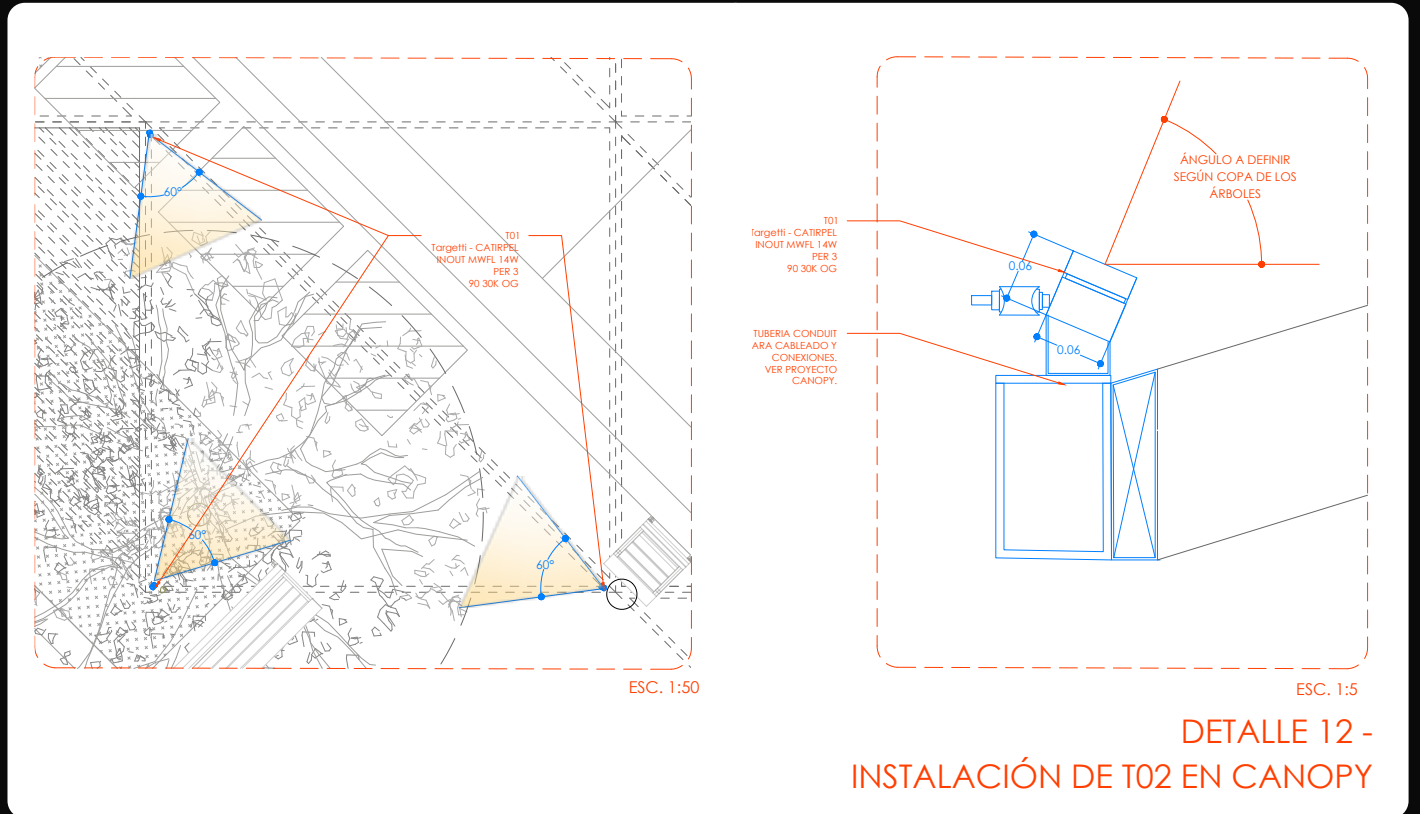
Light is projected from the canopy to enhance its textures and its undertones, reinforcing the idea of the tree as a cover, a shelter in the night.

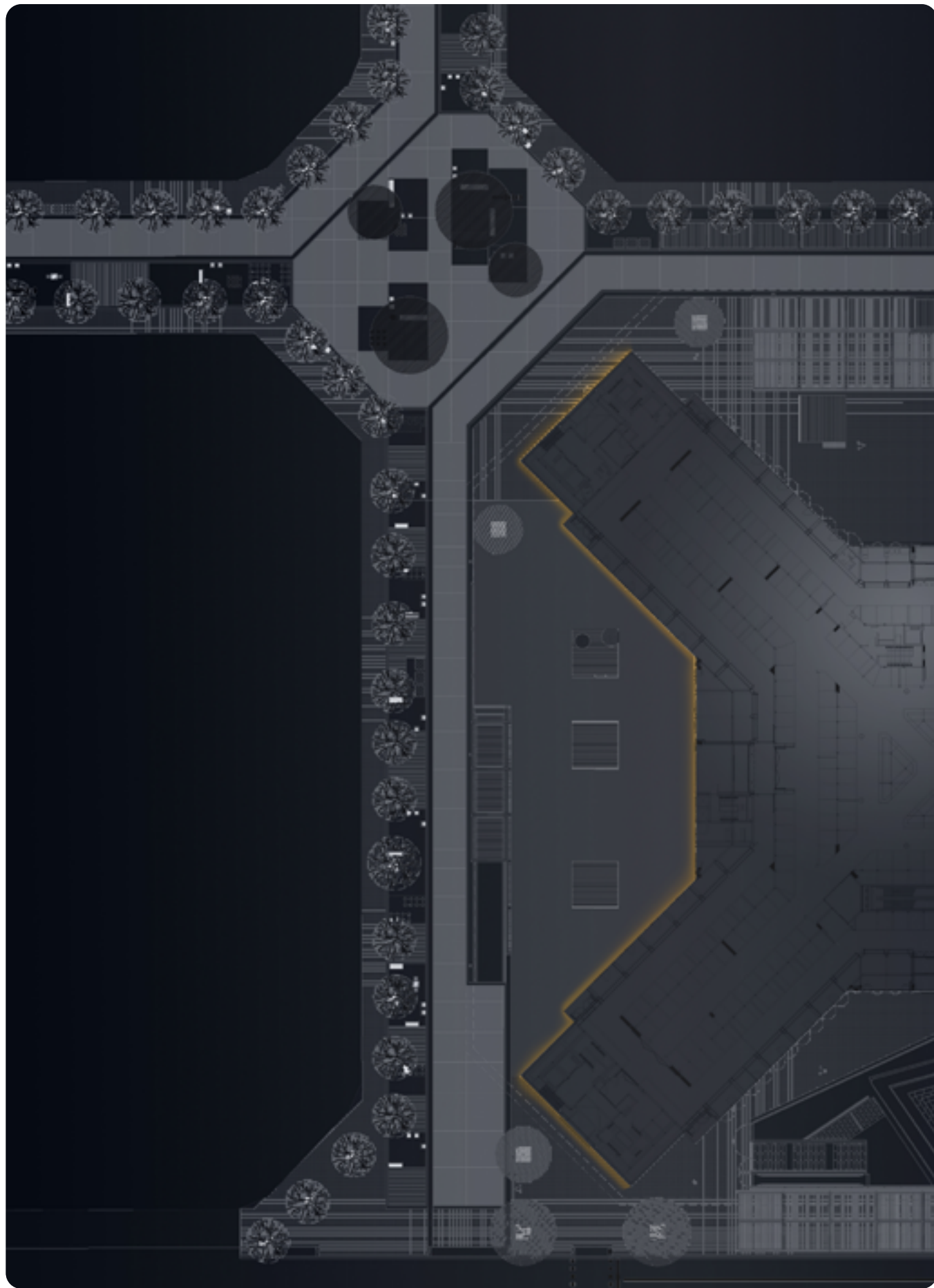
2700K





Targetti
Symetrical MWFL
4.7W
382lm
2700K
IP67
Ra 90

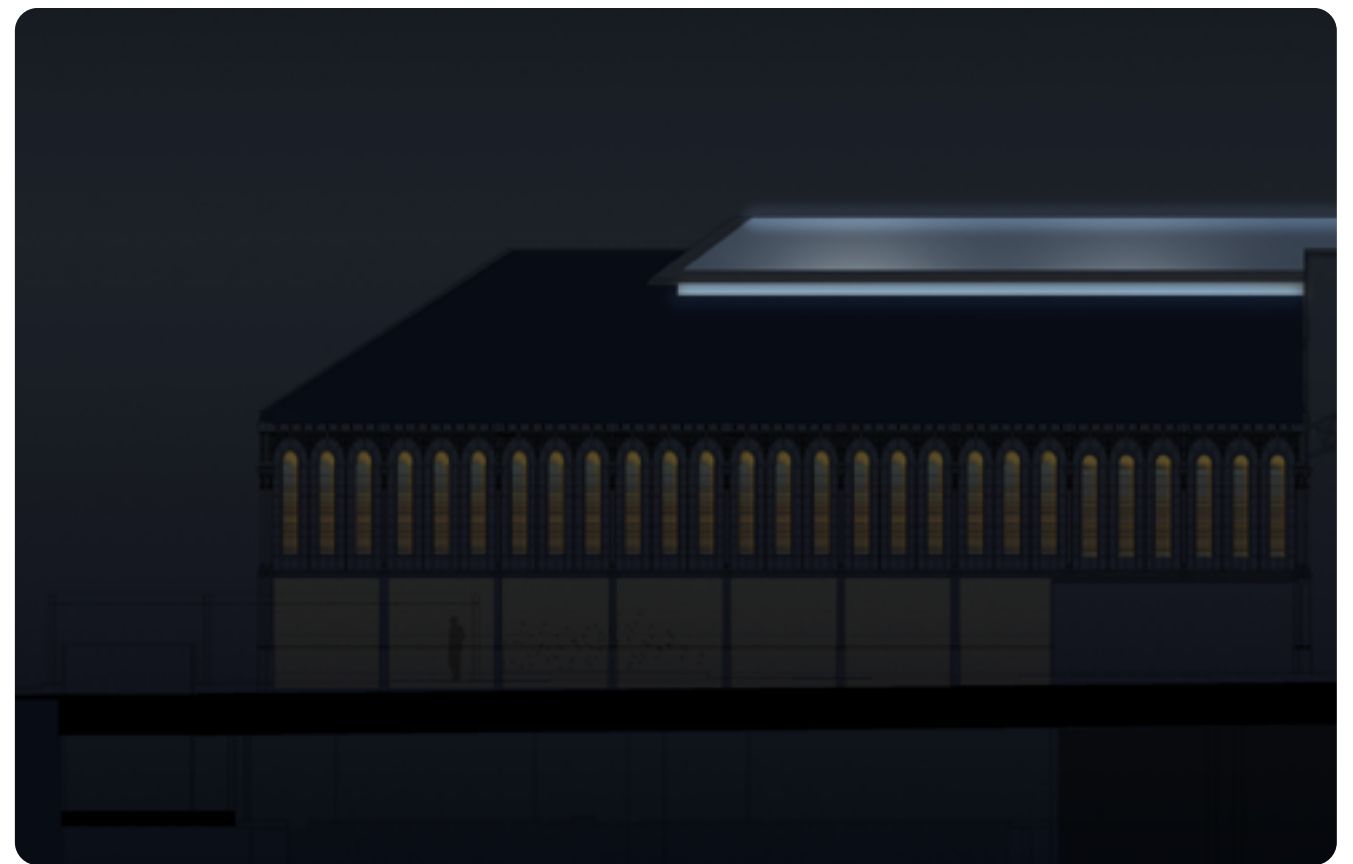
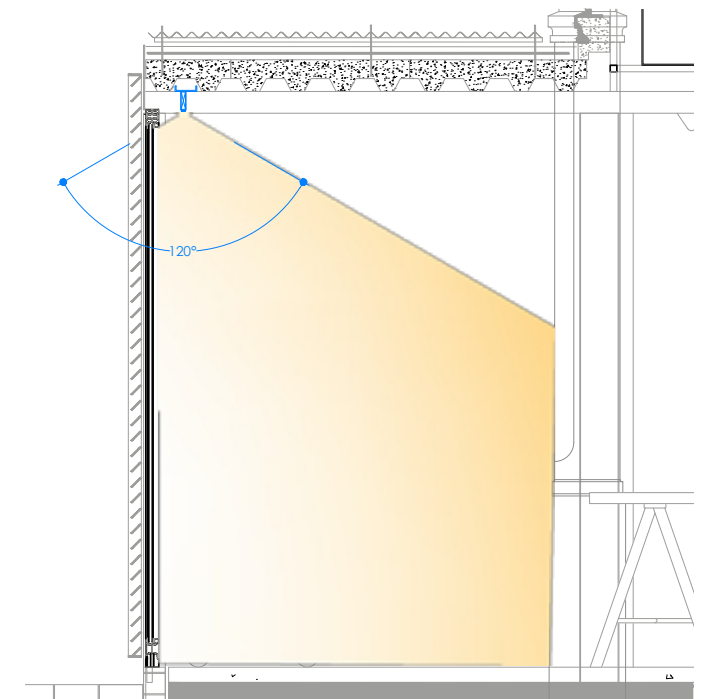
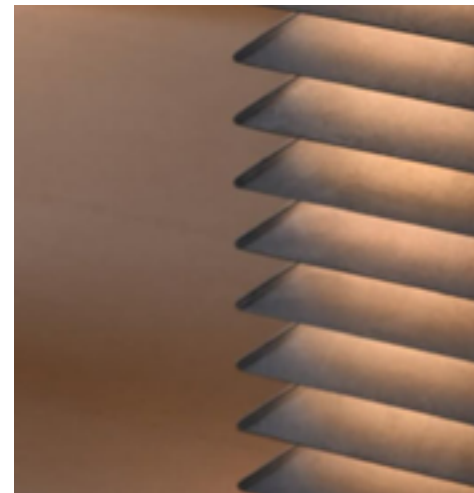


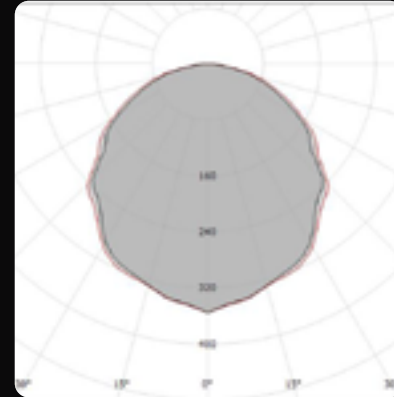


Presence and Contemplation

Backlight - 2700k

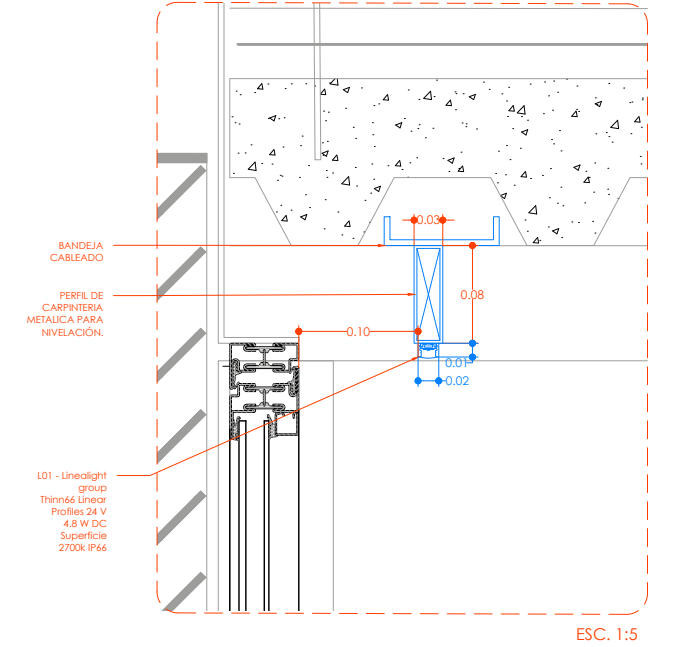
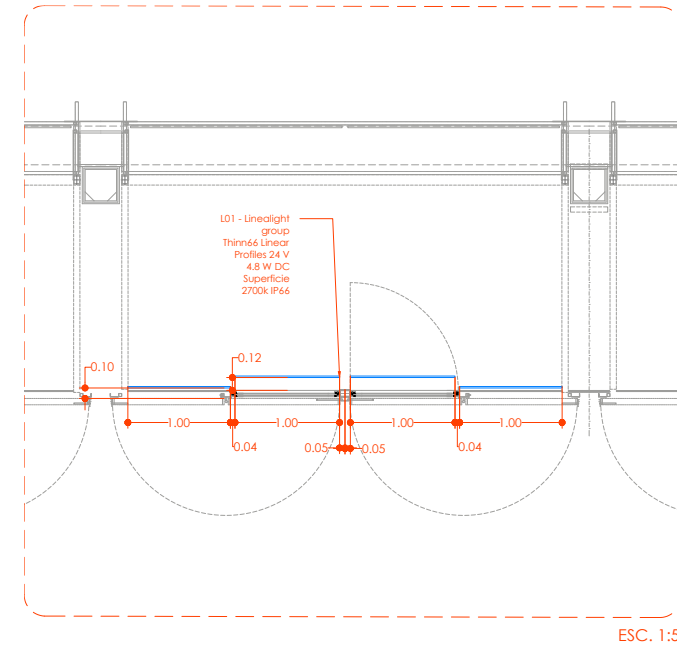
The facade softly lit becomes a lantern, framing its surroundings and enhancing both recognition of the limit and security.



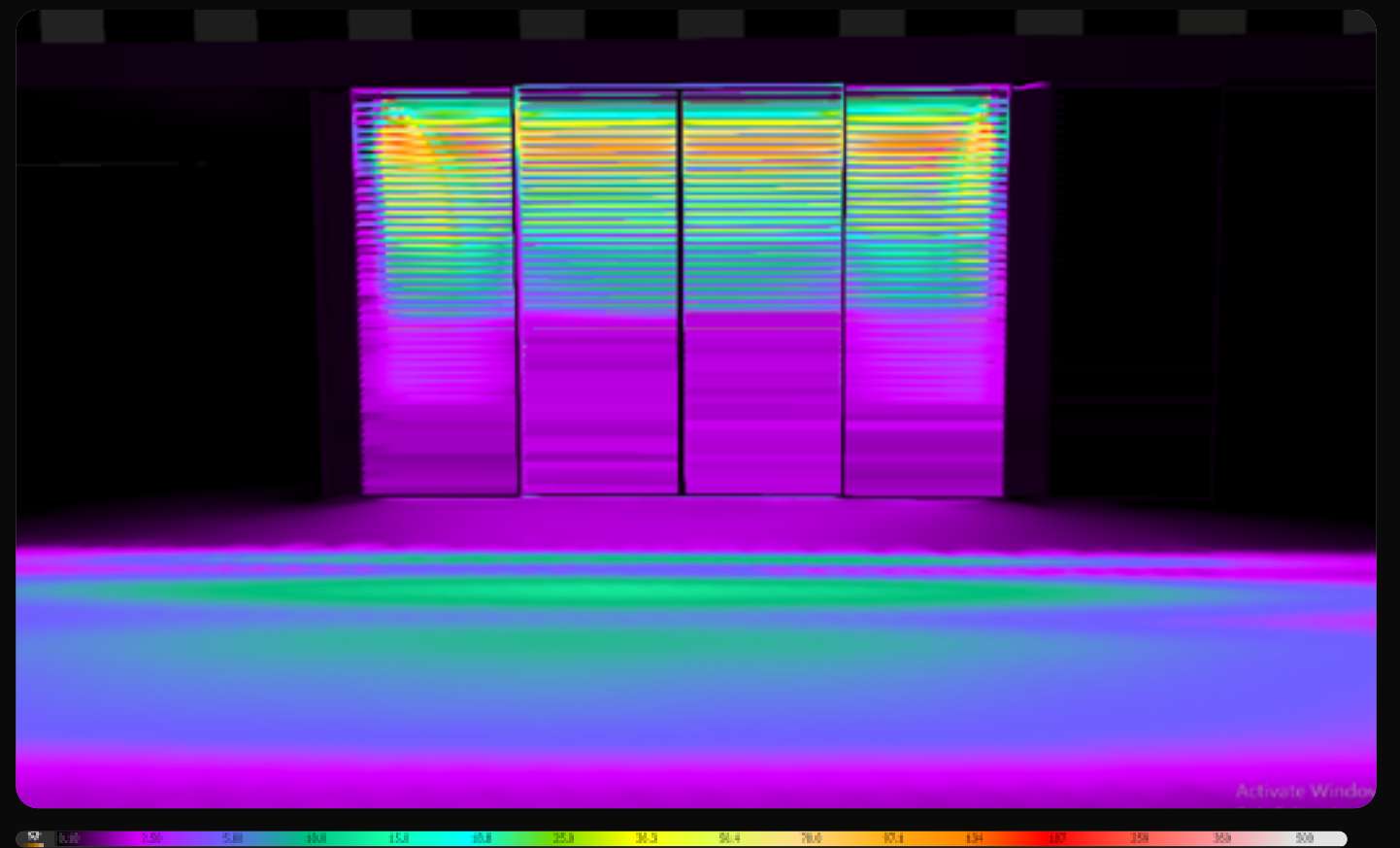
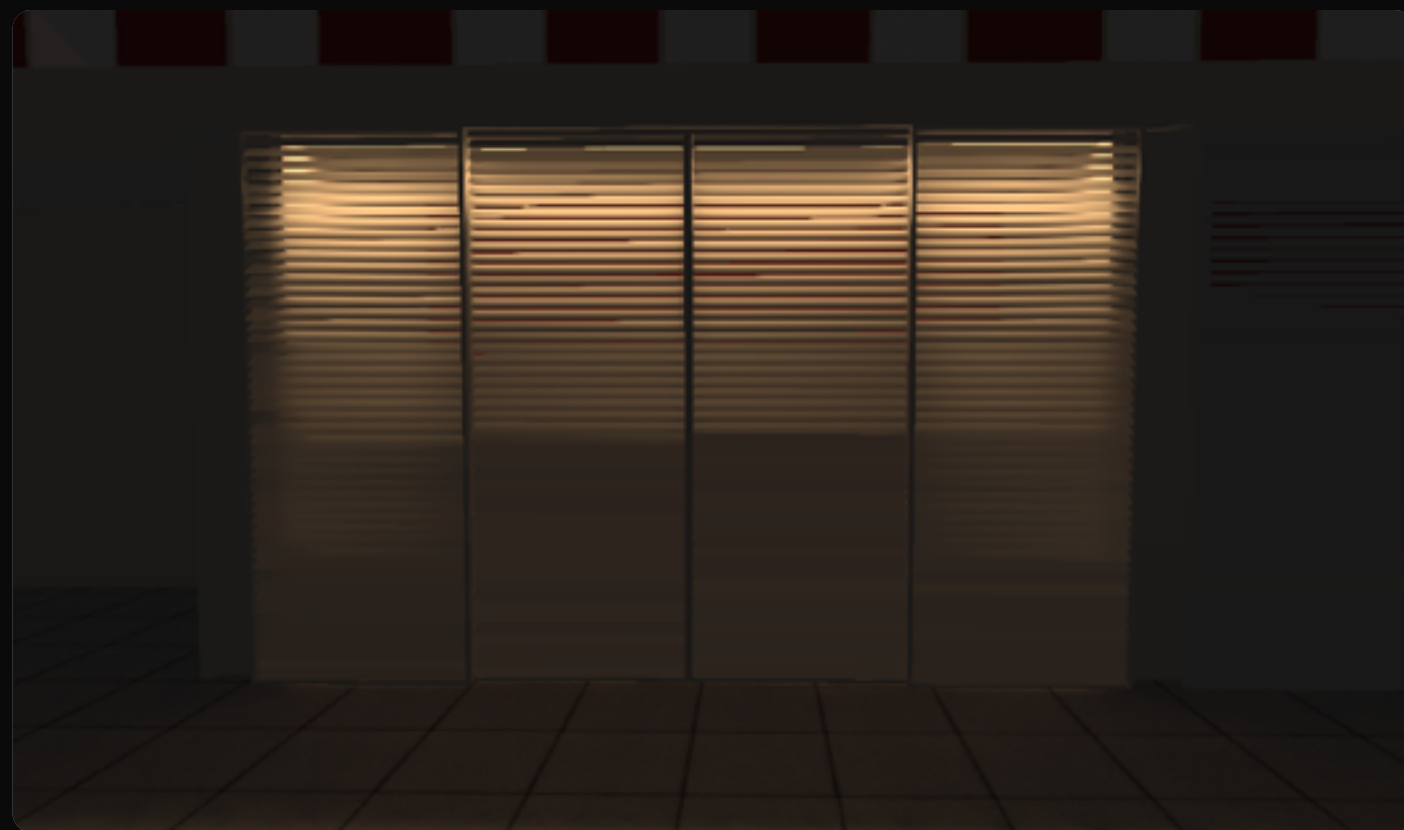


Thin 66 (Linealight)

Diffuse optic
NP: 4.8w DC
24V
2700K
IP66
159 lm



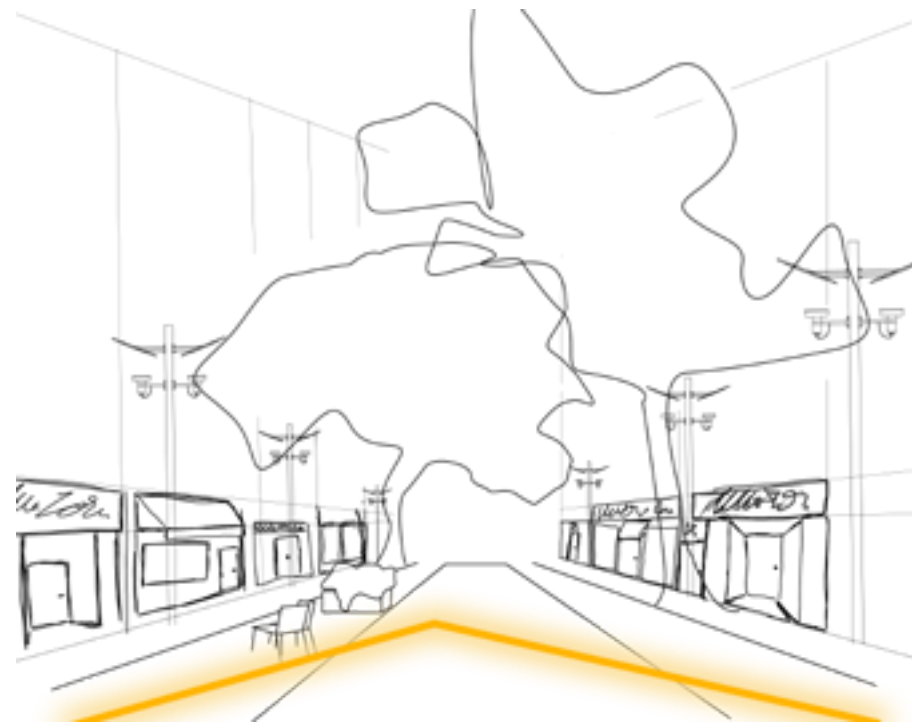
DETALLE 9 -
EN TECHO DEL INTERIOR DEL MERCADO



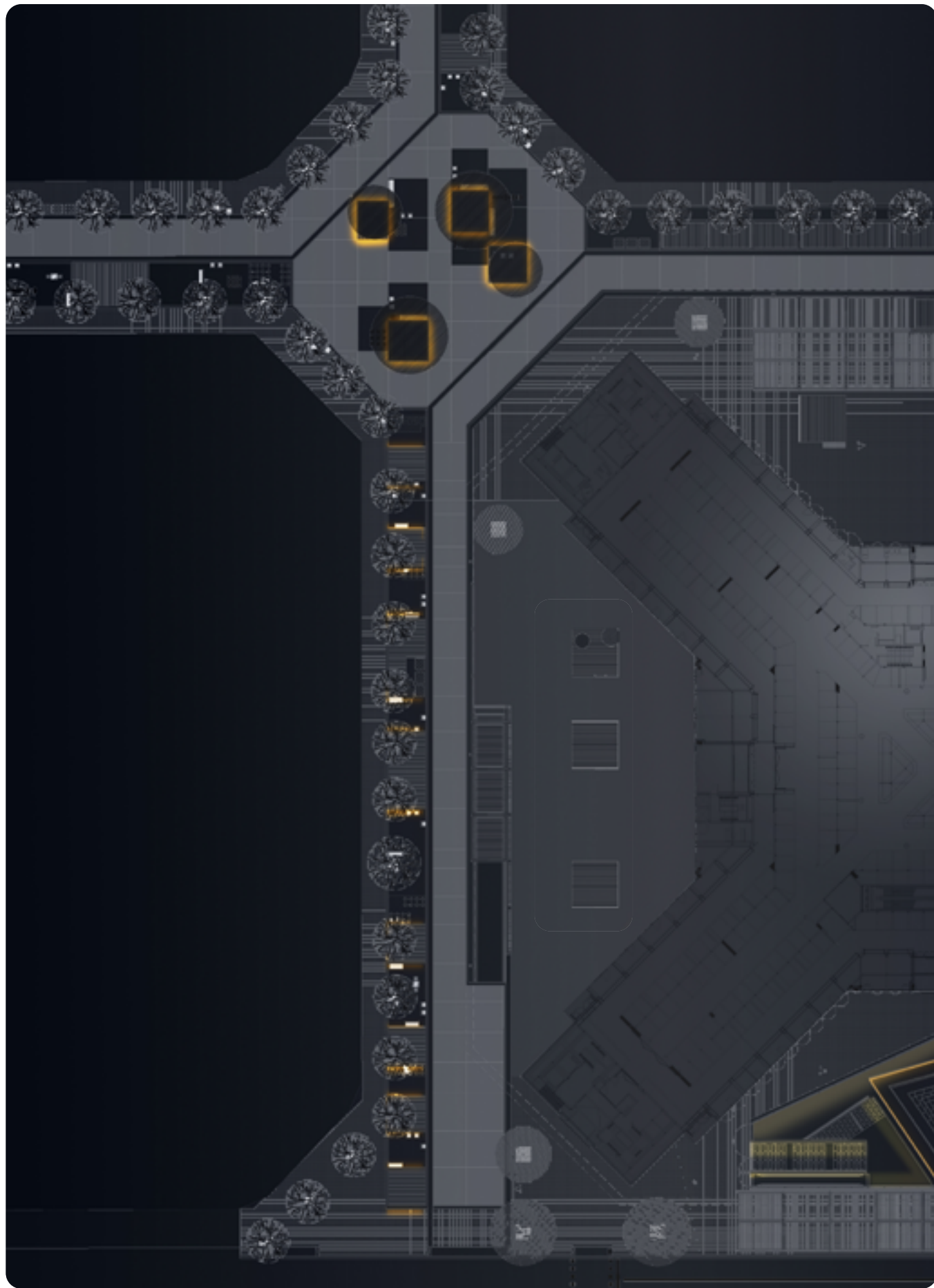


MARKET

GROUNDING



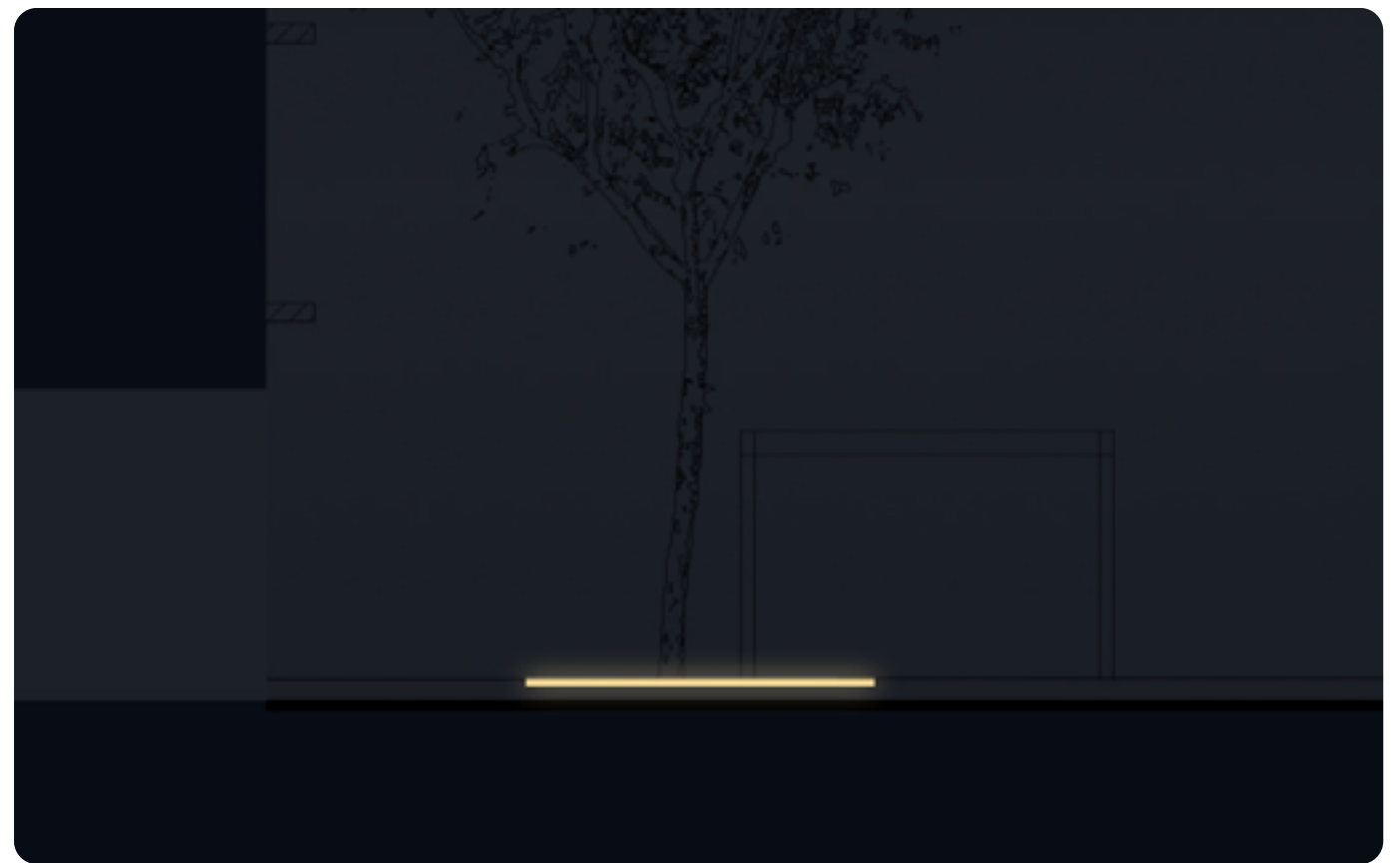
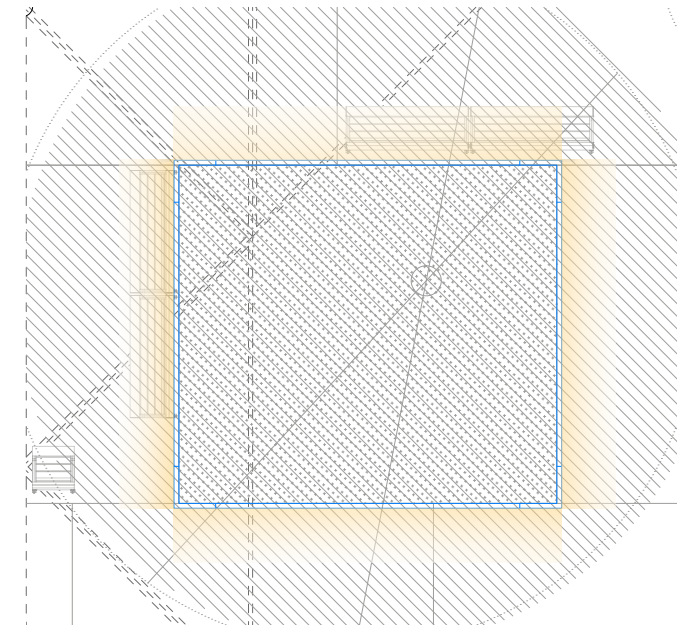
STREET

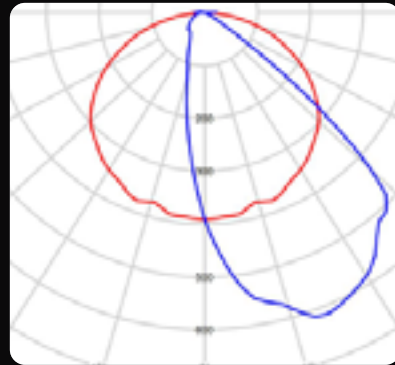


Grounding Light

Linear - 2700k

The sides of the planters are illuminated to counter the trees shadows from public illumination. Making its beneath as attractive as it is during the day, inviting users to seat.





DIRIGO - Linealight

Diffuse assymetric optic

NP: 12W

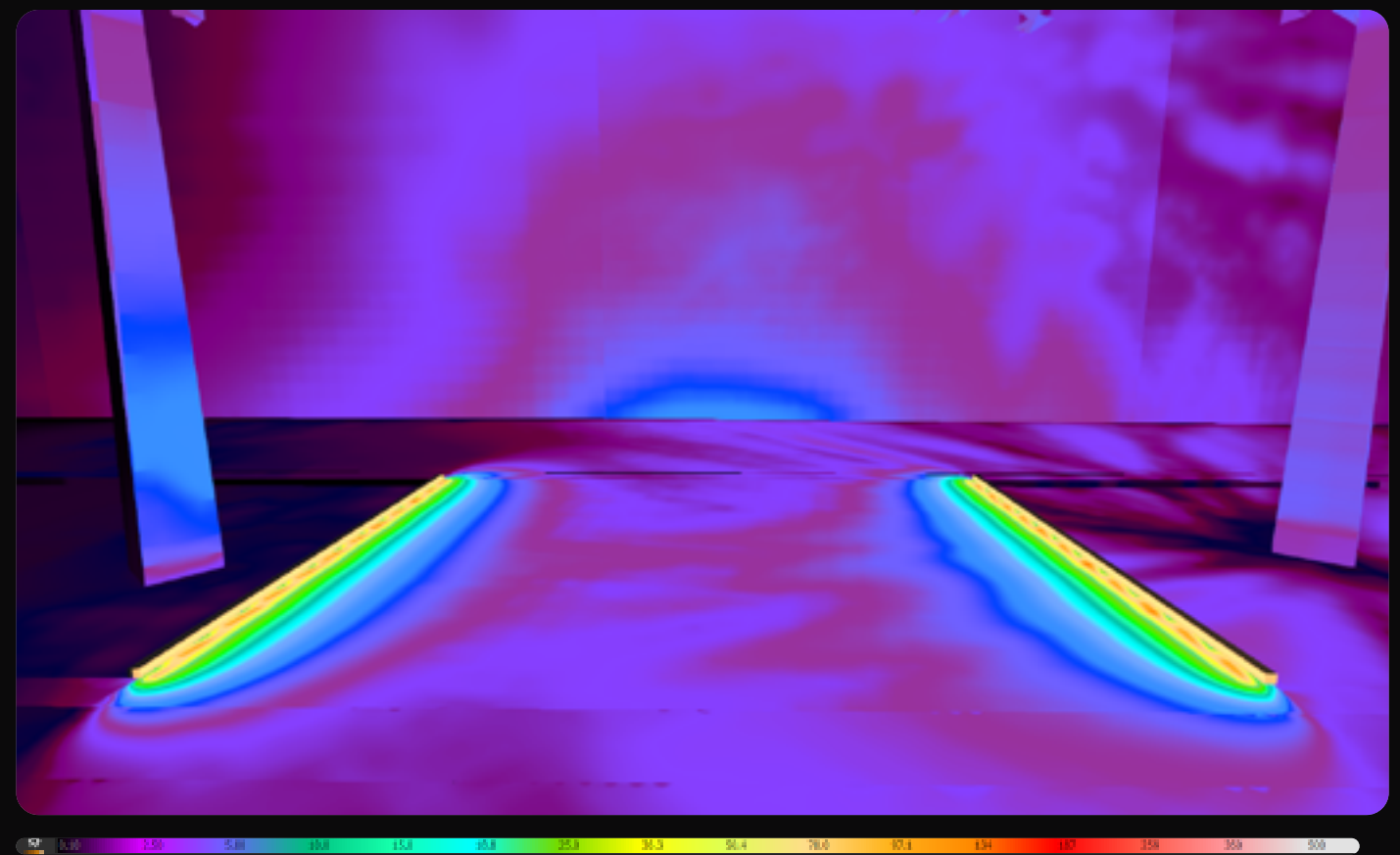
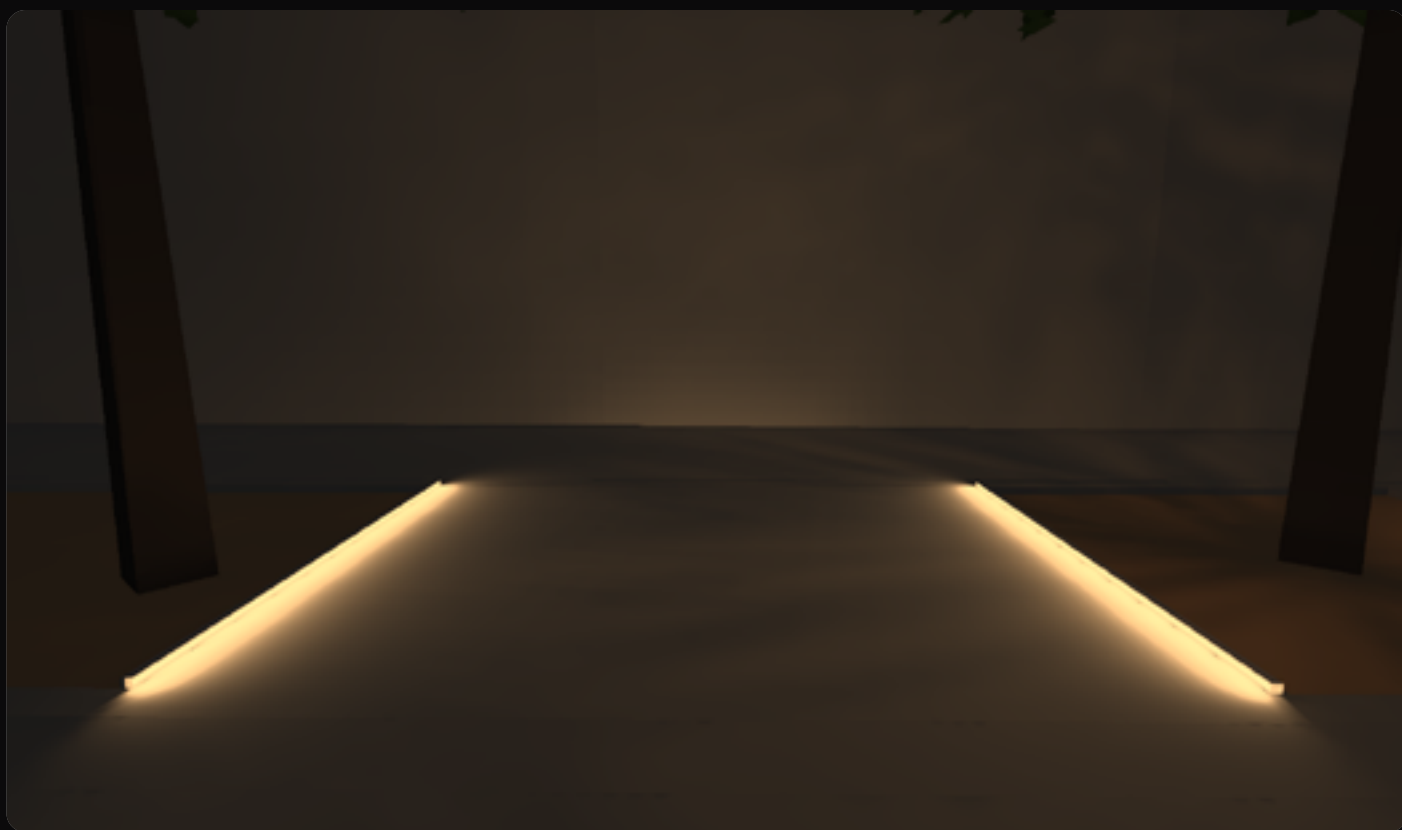
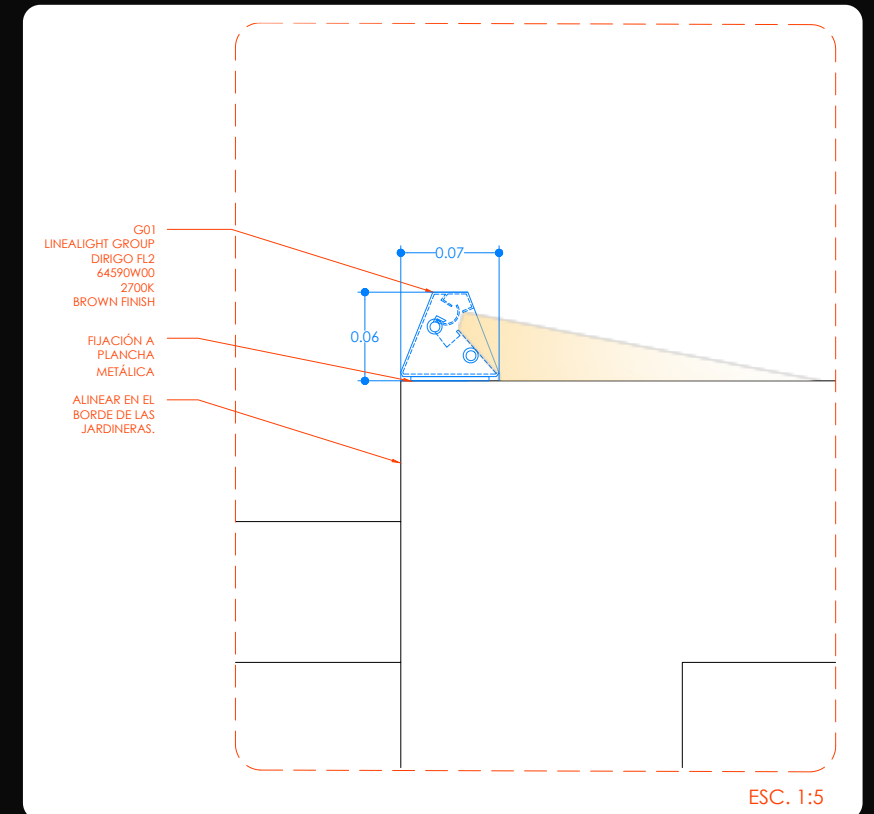
865 lm

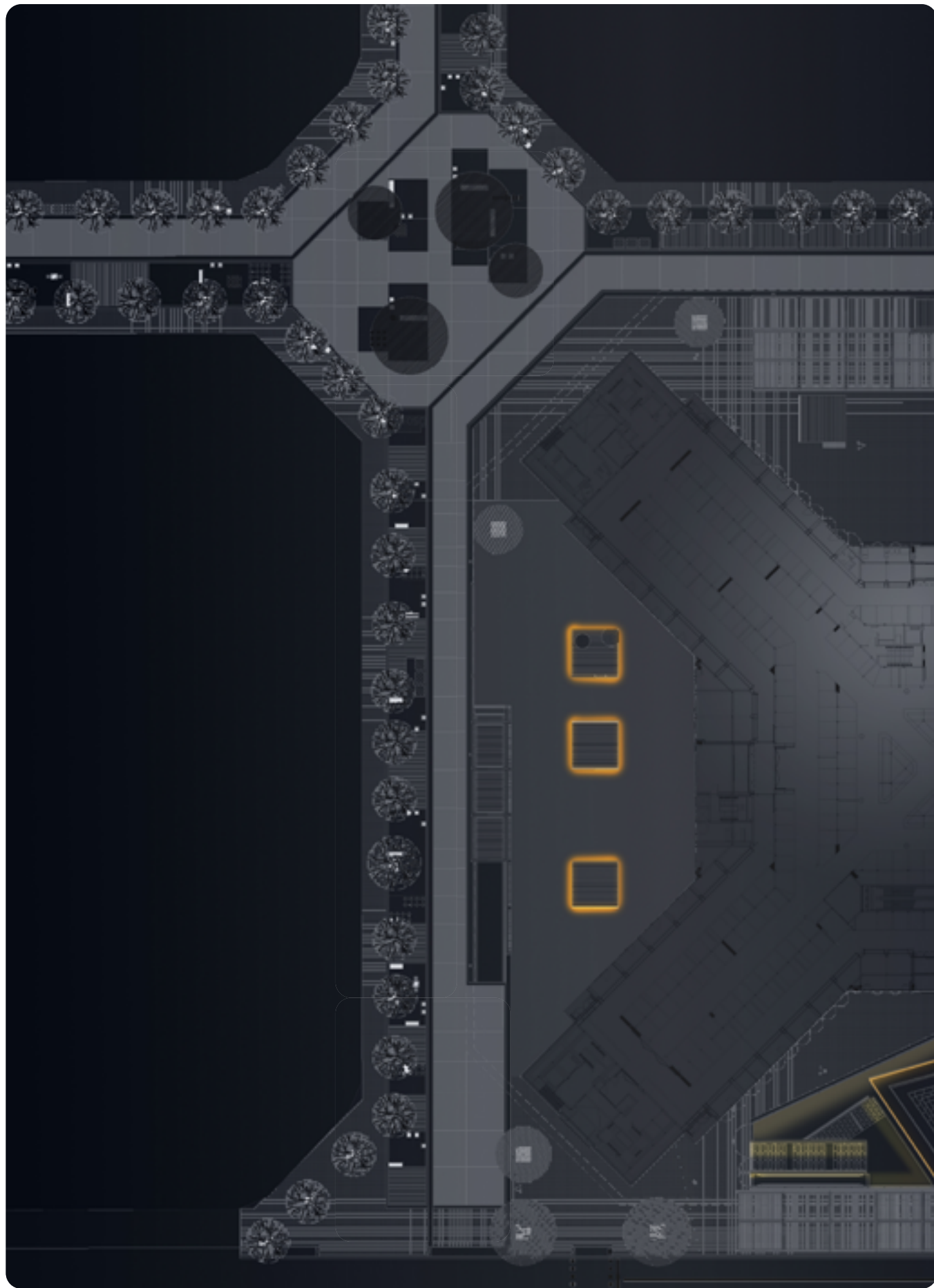
2700K - 80 Ra

IP67

IK09

596 lm

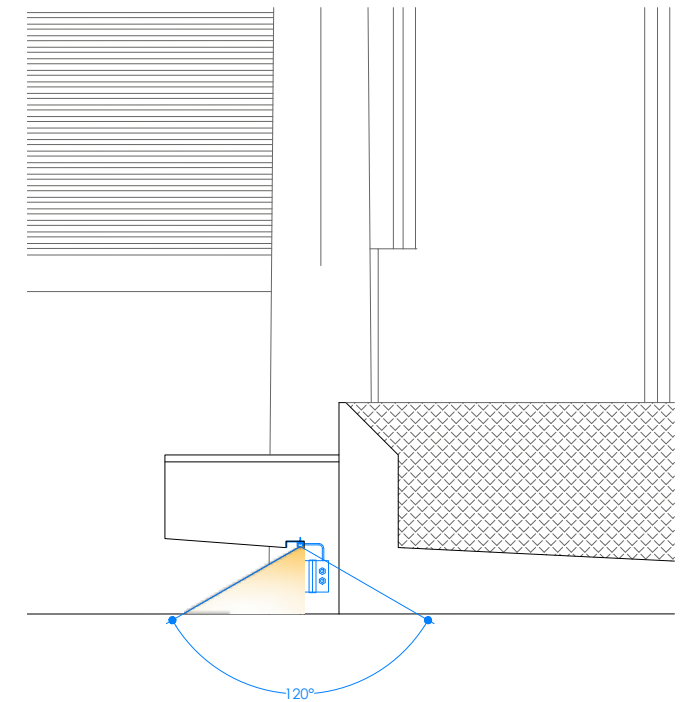
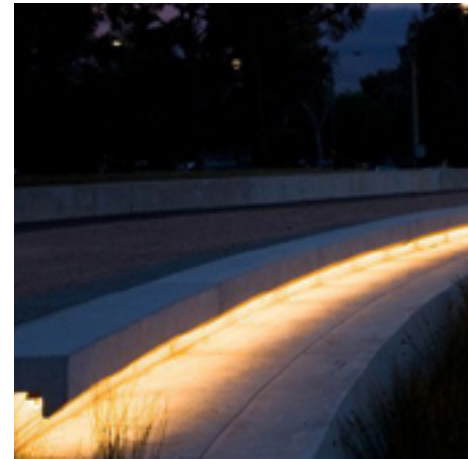


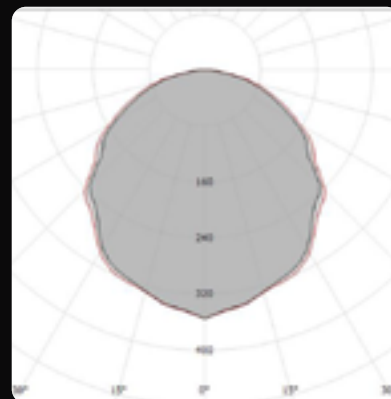


Grounding Light

Linear - 2700k

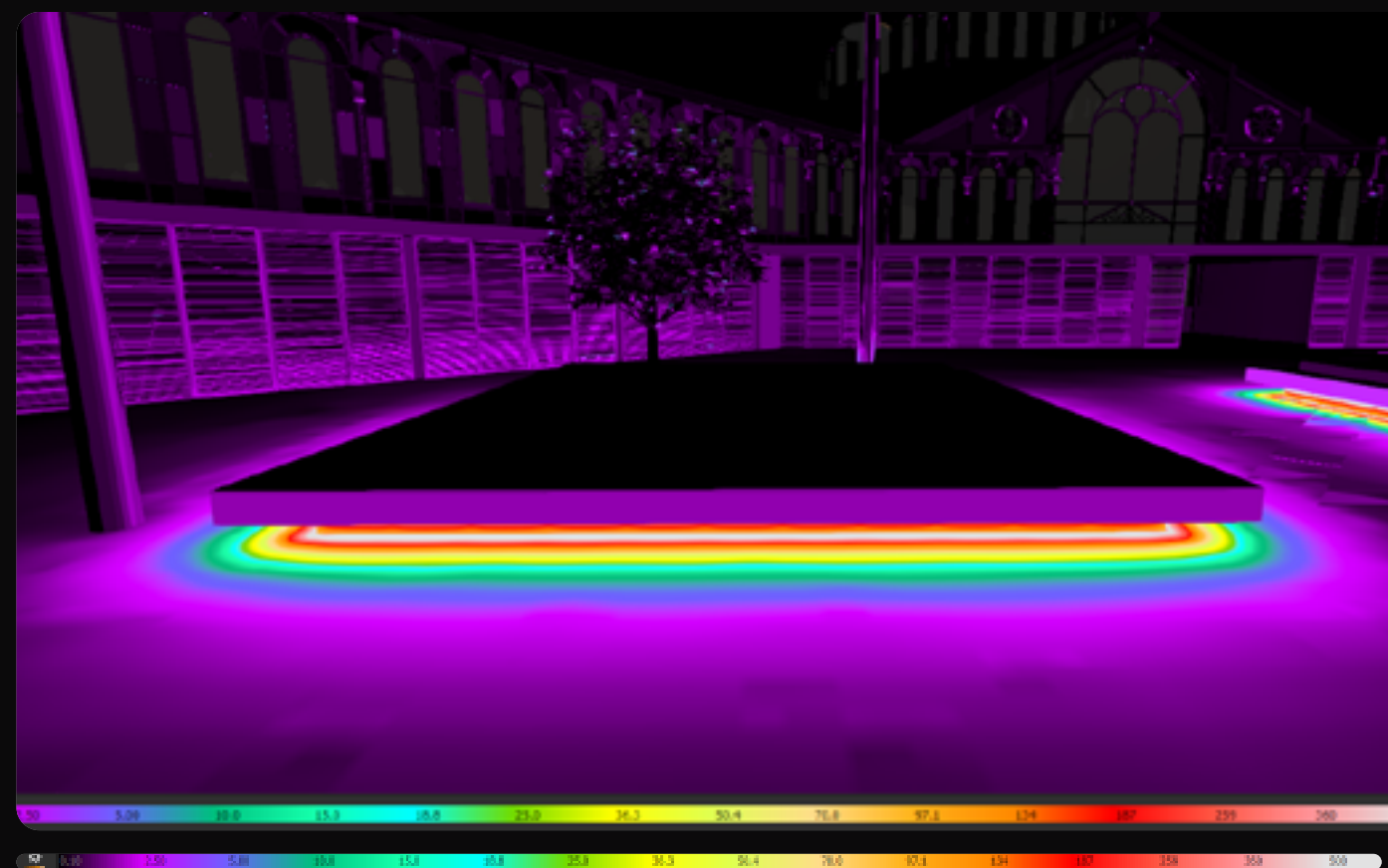
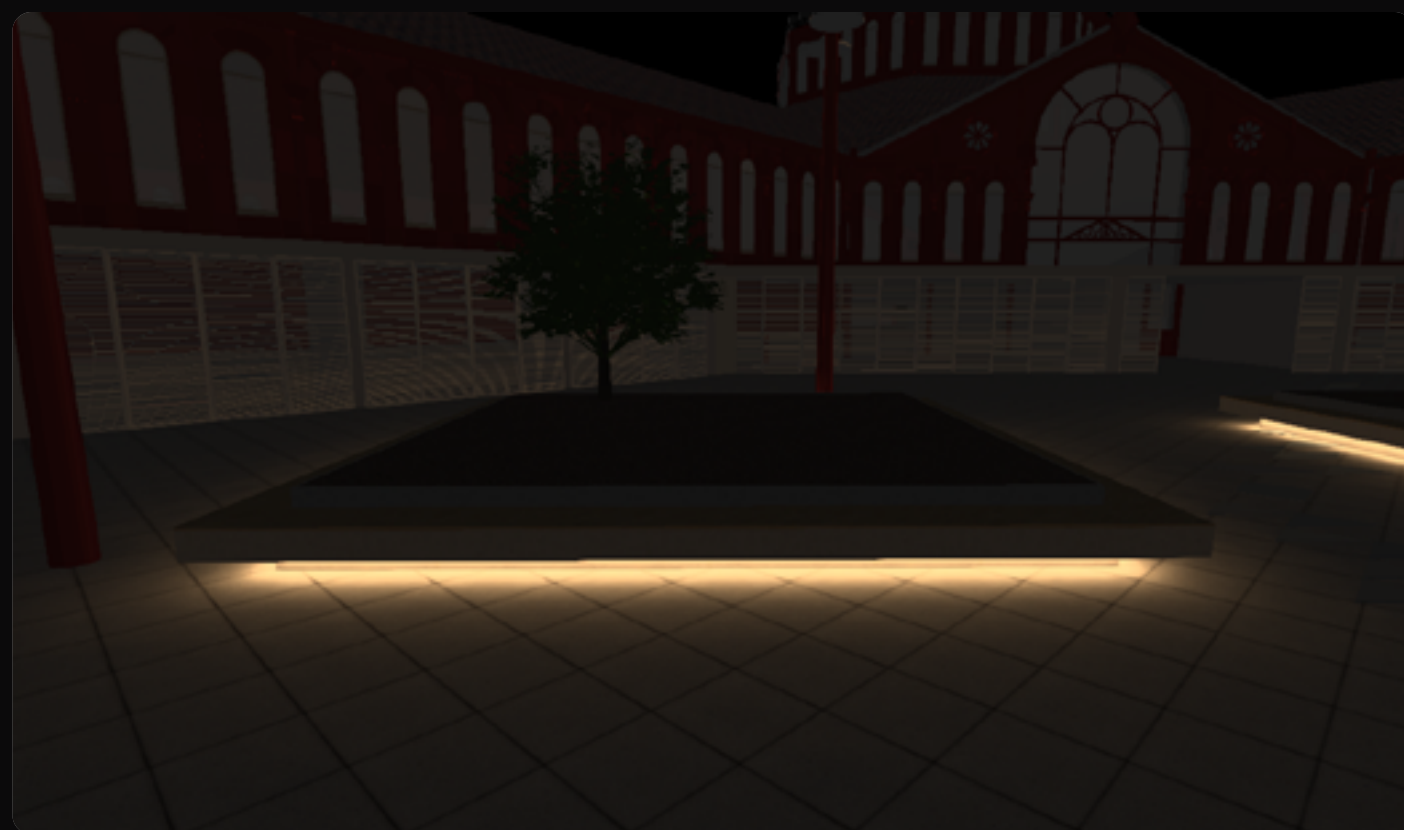
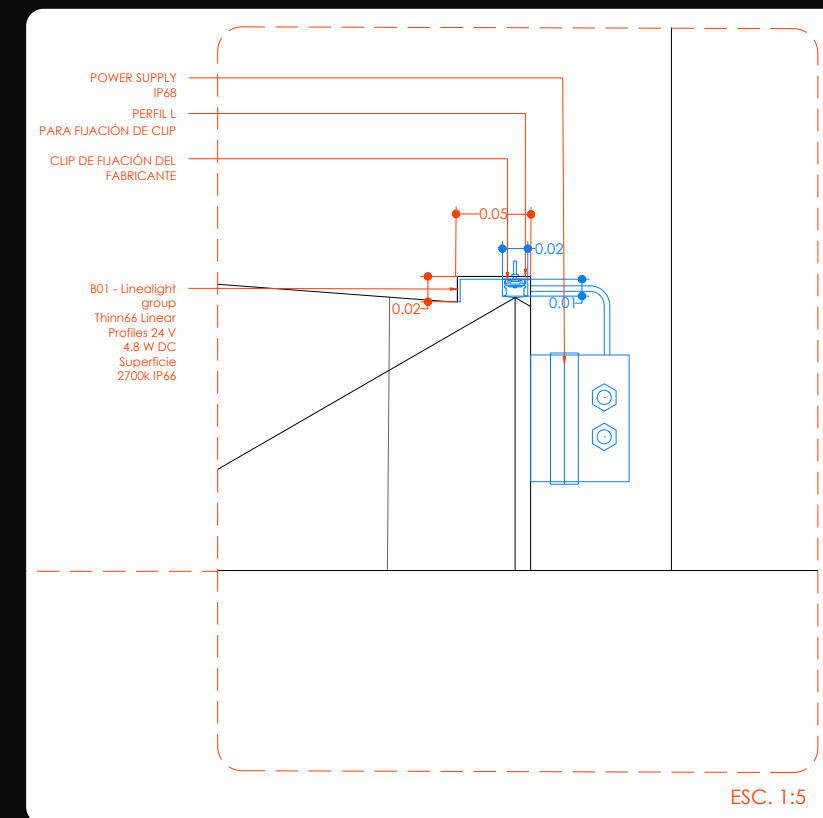
A continuous bench with lower lights is proposed around the Plazas planters . Creating a focal point for resting and enjoying the new space and the now open views of the market.

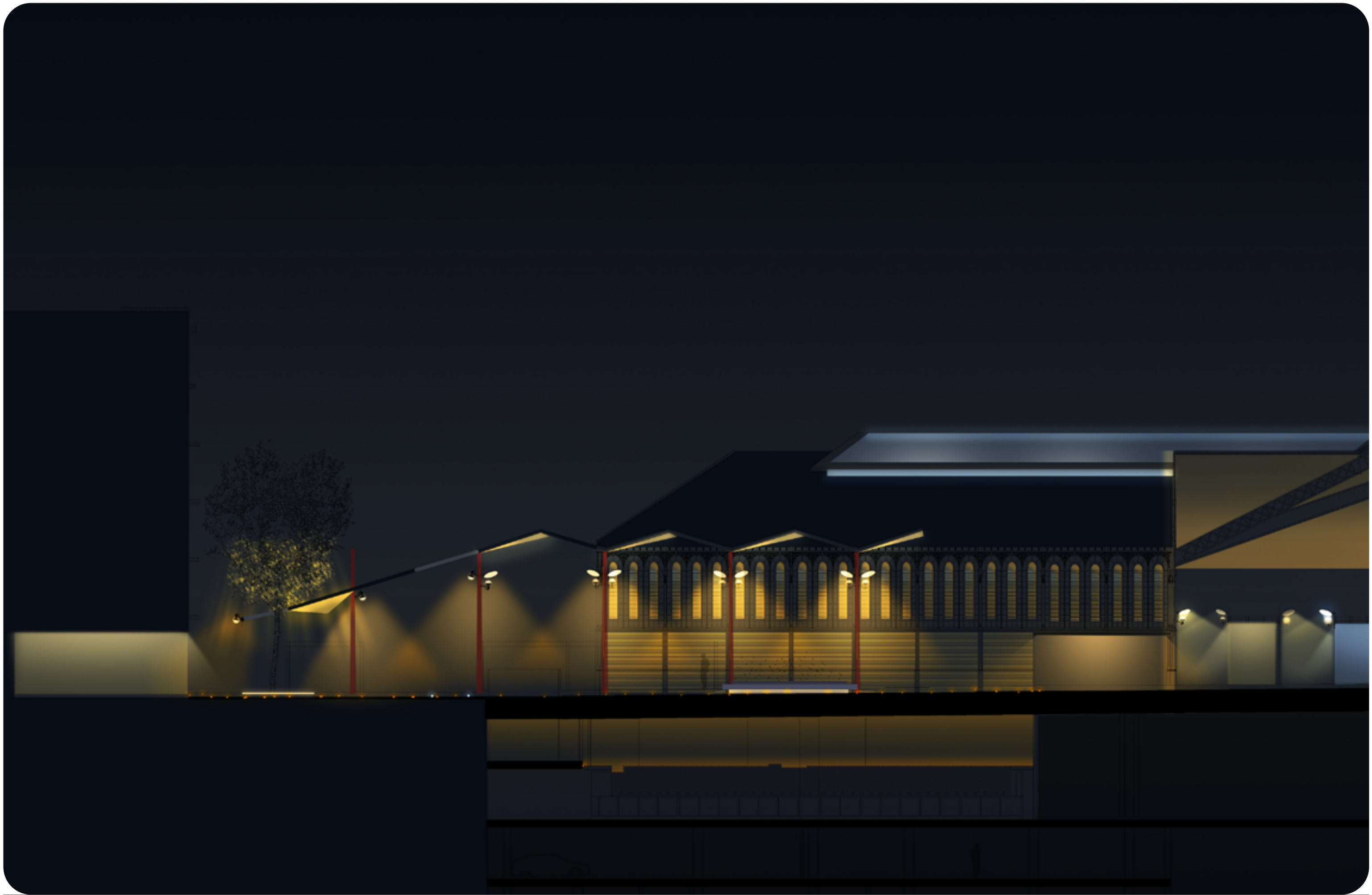


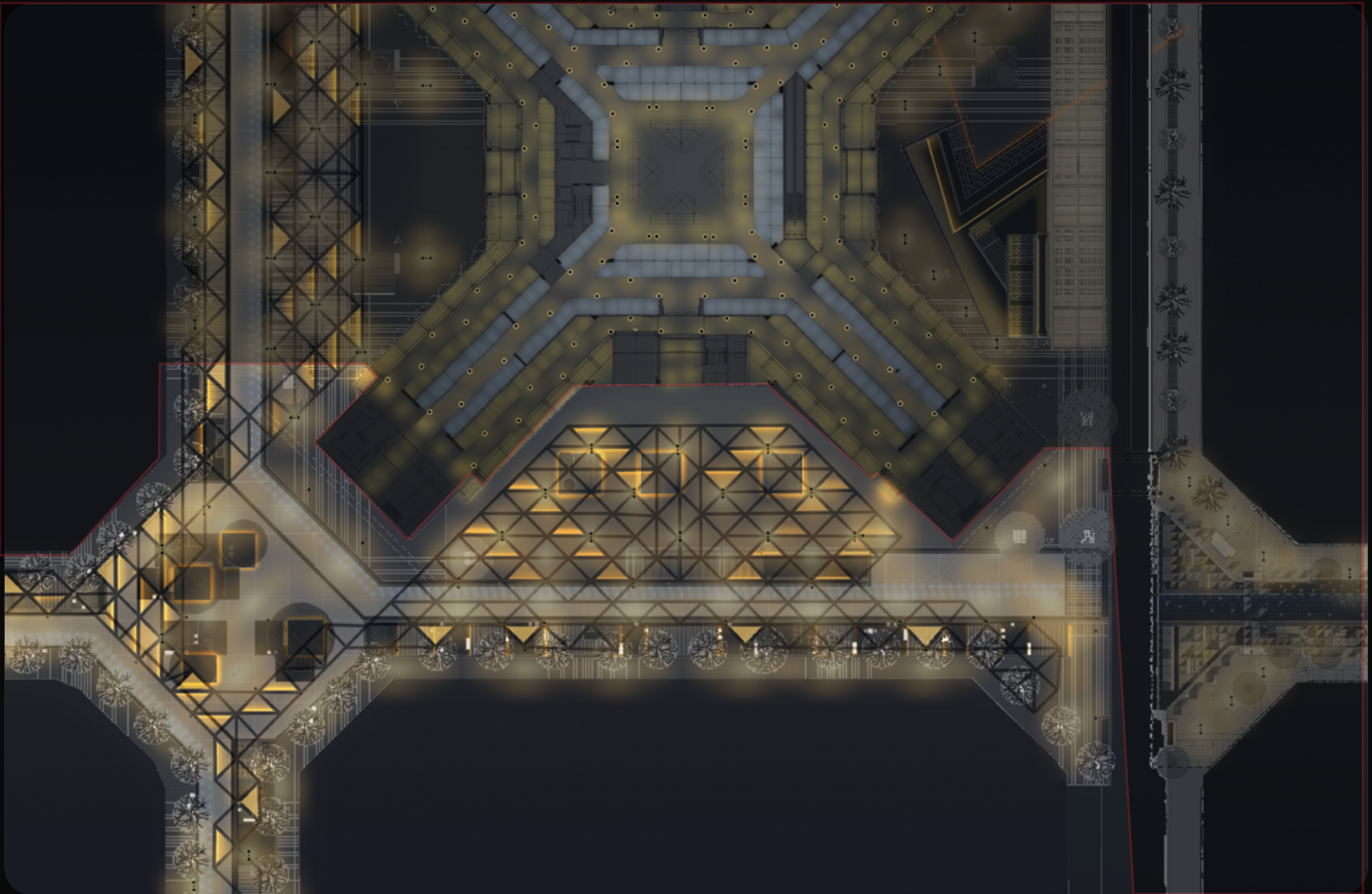


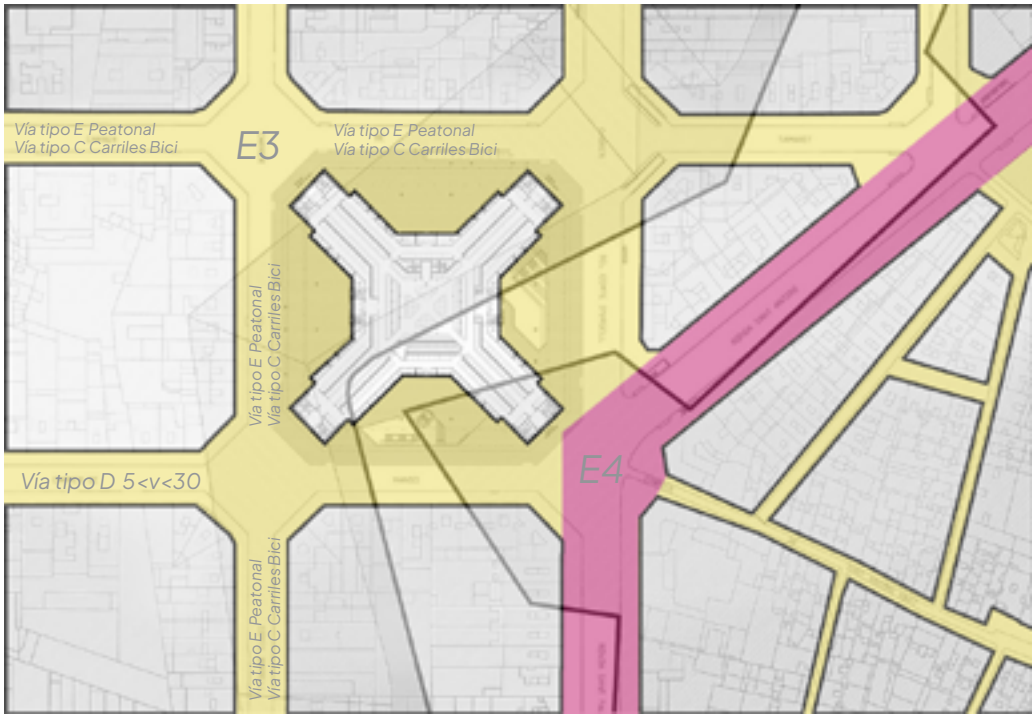
Thin 66 (Linealight)

Diffuse optic
NP: 4.8w DC
24V
2700K
IP66
159 lm









ZONA E3

ÁREAS DE BRILLO O LUMINOSIDAD MEDIA:
Zonas urbanas residenciales, donde las calzadas (vías de tráfico rodado y aceras) están iluminadas.

Flujo Hemisférico superior instalado FHSinst ≤ 15% (5 % normativa 2021)

El área de intervención la componen vías **Tipo C**, carriles bici y **Tipo E**, vías peatonales.

SITUACIÓN DE PROYECTO

Las vías que rodean el Mercat de Sant Antoni son principalmente peatonales en zona E3, con alta actividad comercial y tránsito constante, lo que justifica la Situación de Proyecto E1 y clases de alumbrado CE1A, CE2, S1 a S4.
Dado que en algunas zonas hay presencia de ciclistas o carriles bici integrados, también se considera la Situación de Proyecto C1, aplicando clases S1 a S4 según el flujo ciclista.

CLASE	Tipo de actividad	Em requerido	Emin	Uo
S1	Peatonal o Bici Alto	15	5	0,40
S2	Peatonal Normal o Bici	10	3	0,40
S3	Alto	7.5	1.5	0,40
S4	Peatonal o Bici Normal	5	1	0,40
CE1A	Peatonal o Bici Normal	25		0,40
CE2	Peatonal Alto/+Elev.	20		0,40
	Prestigio			
	Peatonal Alto/Elev.			
	Prestigio			

LUZ INTRUSA

Zona	Iluminancia vertical (Ev)	Intensidad luminosa (I)	Luminancia media fachadas (L̄mf)	Luminancia máxima fachadas (Lmaxf)	Luminancia máx. señales (Lmax)	Incremento umbral contraste (TI)	Clase de alumbrado
9.1	10 lux	10.000 cd	10 cd/m²	60 cd/m²	800 cd/m²	TI ≤ 25% para adaptación a L = 2 cd/m²	ME3 / ME4

