

BY THE MARGINS



passages & permanences in the outskirts são paulo

a fascination

ruins of santapaula yacht club - são paulo



a theme

passages & permanences



a theme

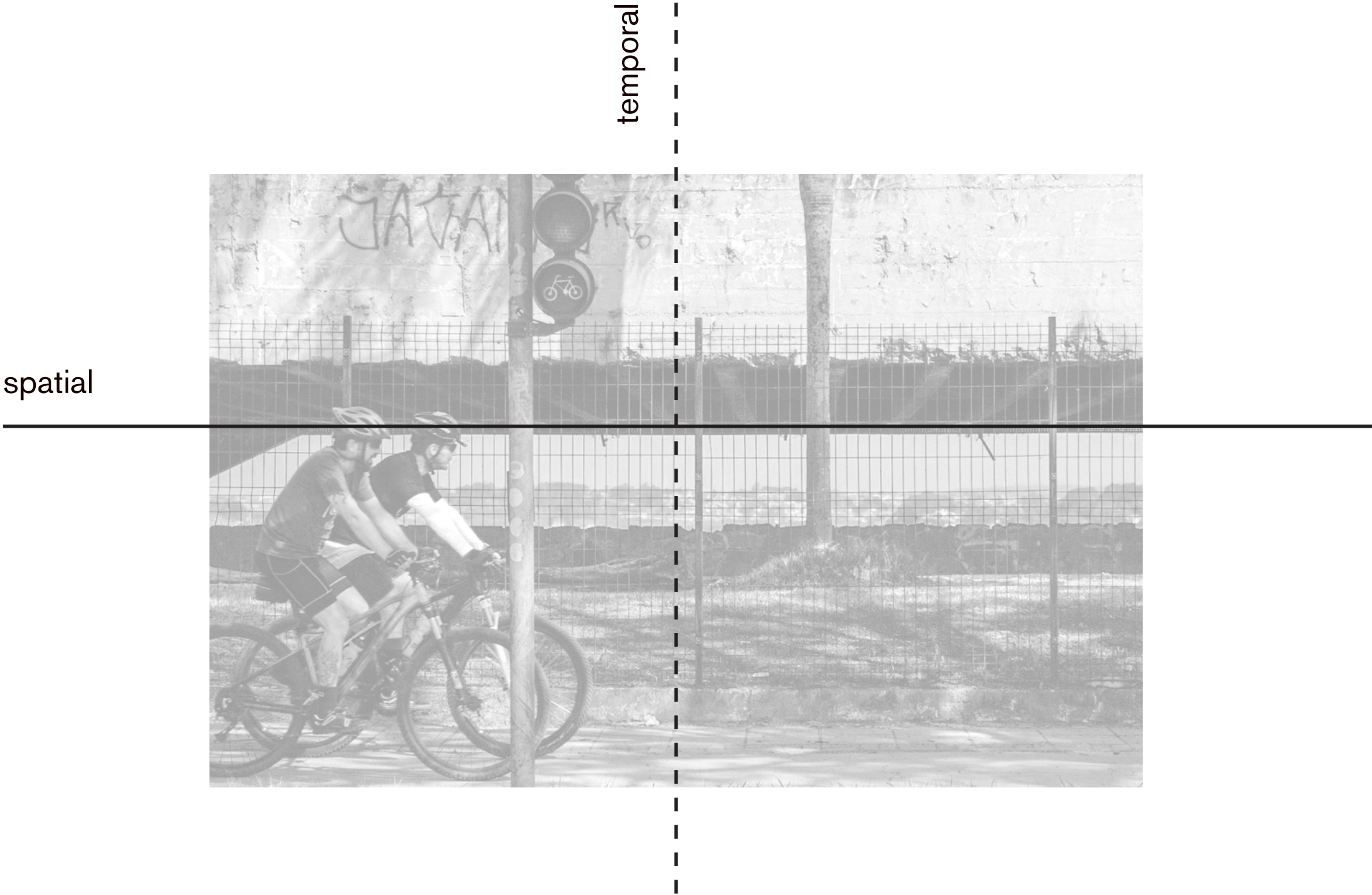
passages & permanences

spatial



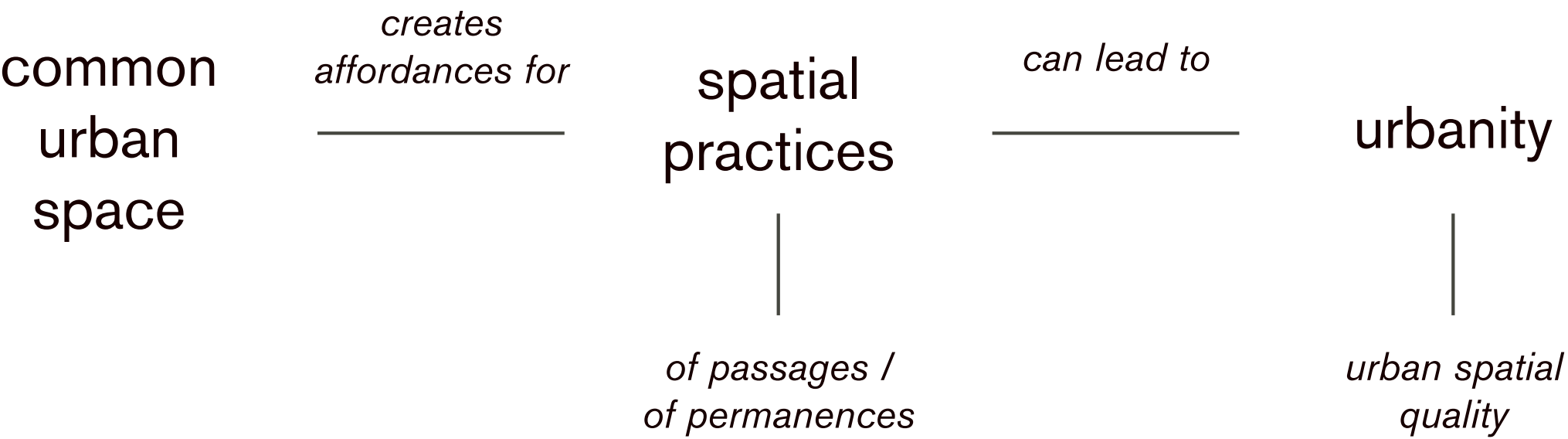
a theme

passages & permanences



a theme

passages & permanences



space of urbanity



Different uses of the ground floor at São Paulo's Art Museum (MASP).

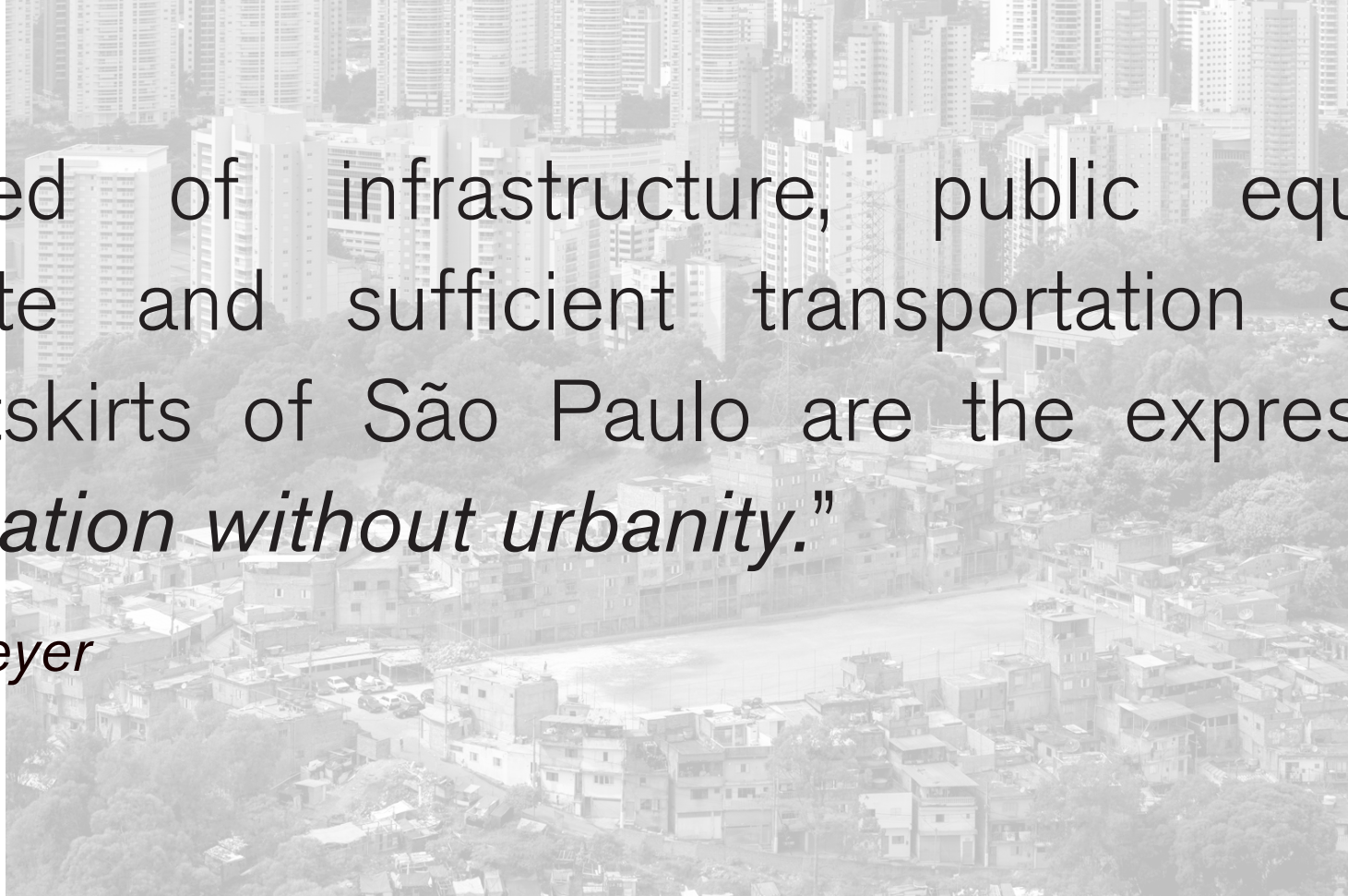
passages & permanences in the outskirts



Terrão de Cima, Ricardo Stockler, 2014

a context

passages & permanences
in the outskirts



“Deprived of infrastructure, public equipment, adequate and sufficient transportation services, the outskirts of São Paulo are the expression of *urbanization without urbanity.*”

Regina Meyer

a context

passages & permanences
in the outskirts

logics of passages



Freeways

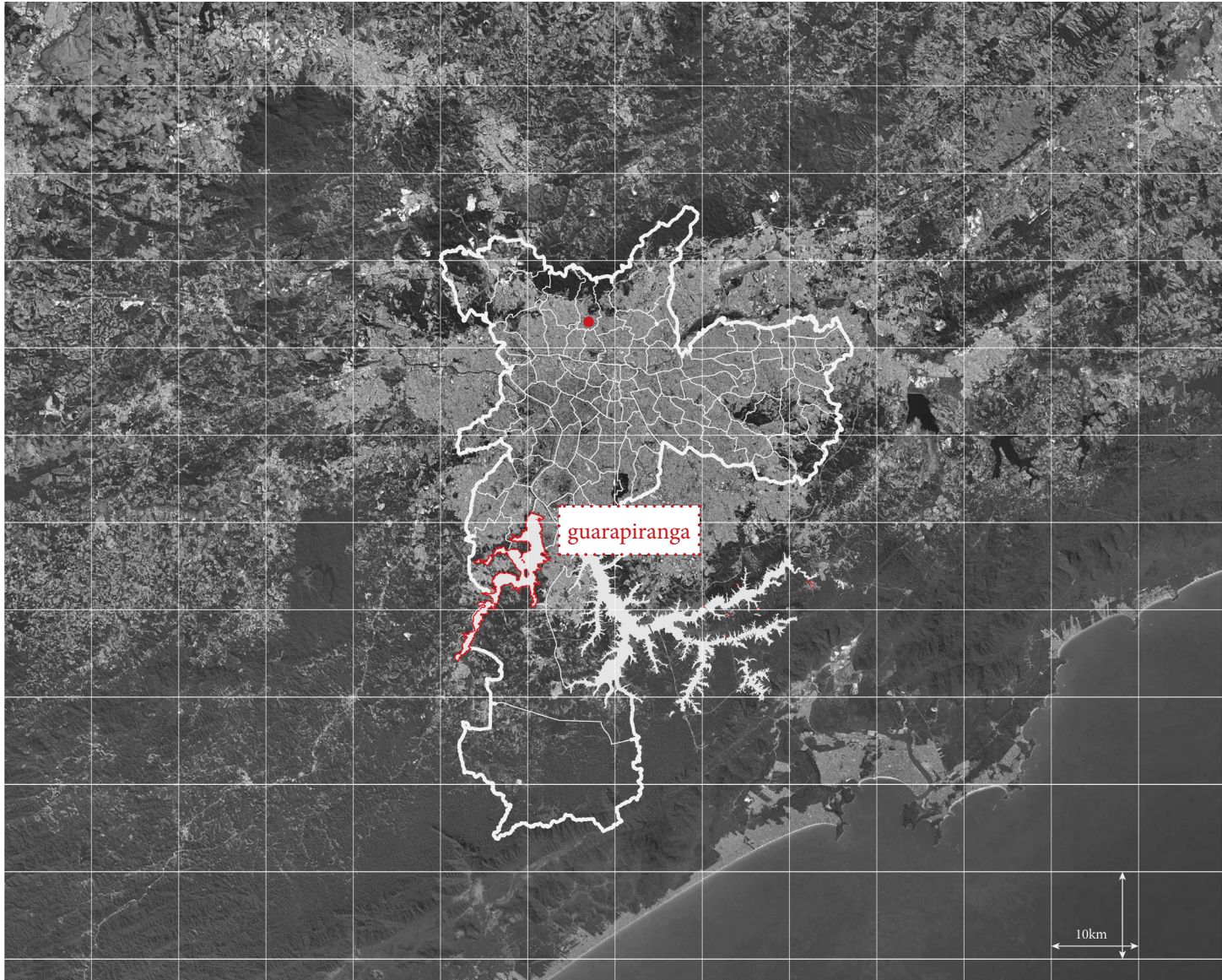
logics of permanences



CEU Aricanduva

In the context of spatial practices in the outskirts of São Paulo, how can the dynamics between spaces of passages and spaces of permanences create affordances for places of urbanity?

guarapiranga
reservoir

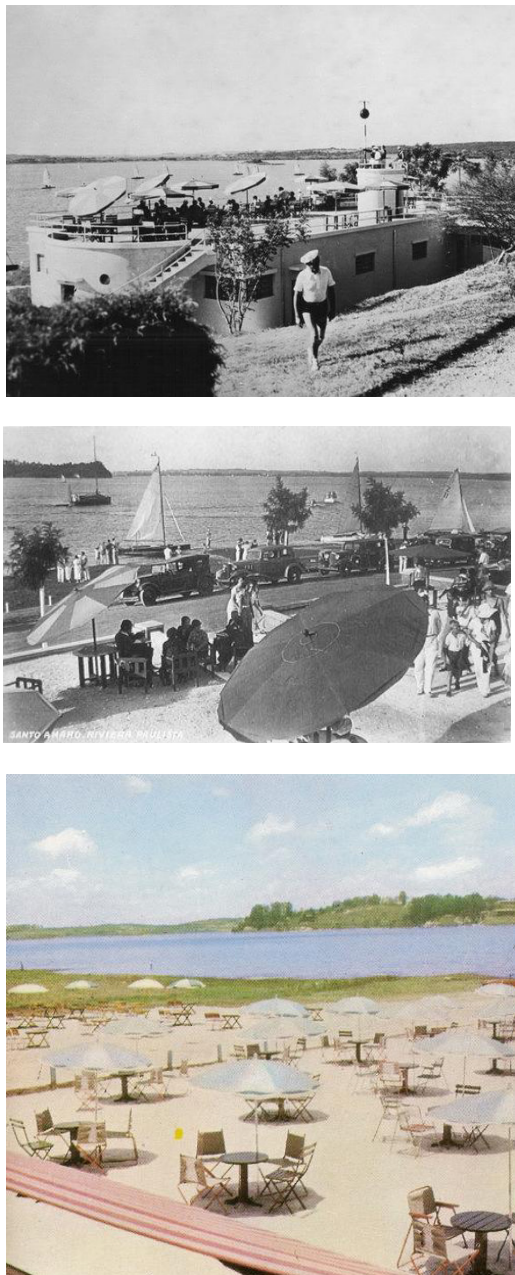


Satellite image of São Paulo in 2024 overlapped with the city limits and neighborhoods. Guarapiranga Reservoir is highlighted in red.

a place

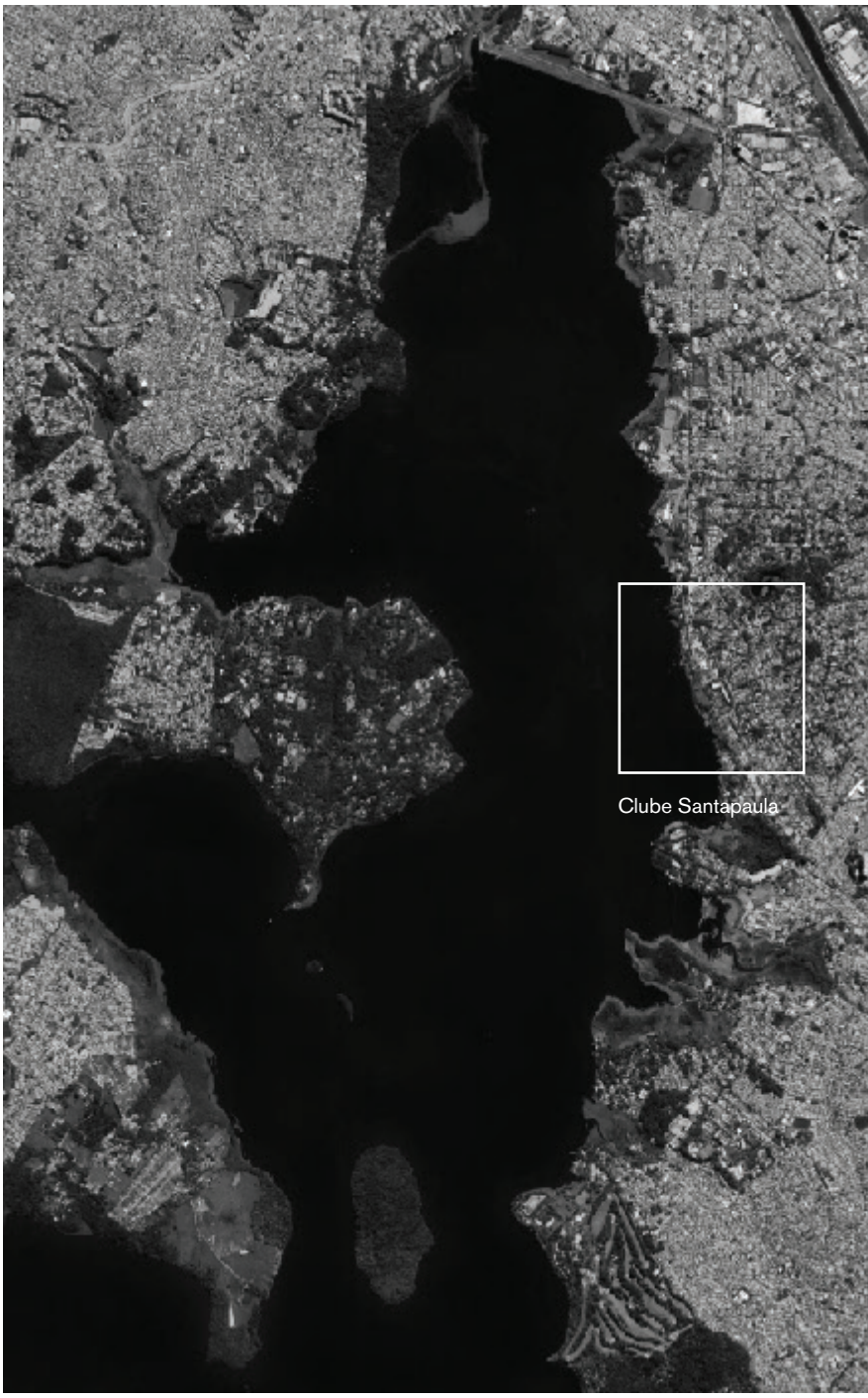
historical context

In 1950 there were 14.924 inhabitants in the surroundings of the Guarapiranga Reservoir



Aerial Photo, 1954.

In 2020 there were 944.938 inhabitants in the surroundings of the Guarapiranga Reservoir



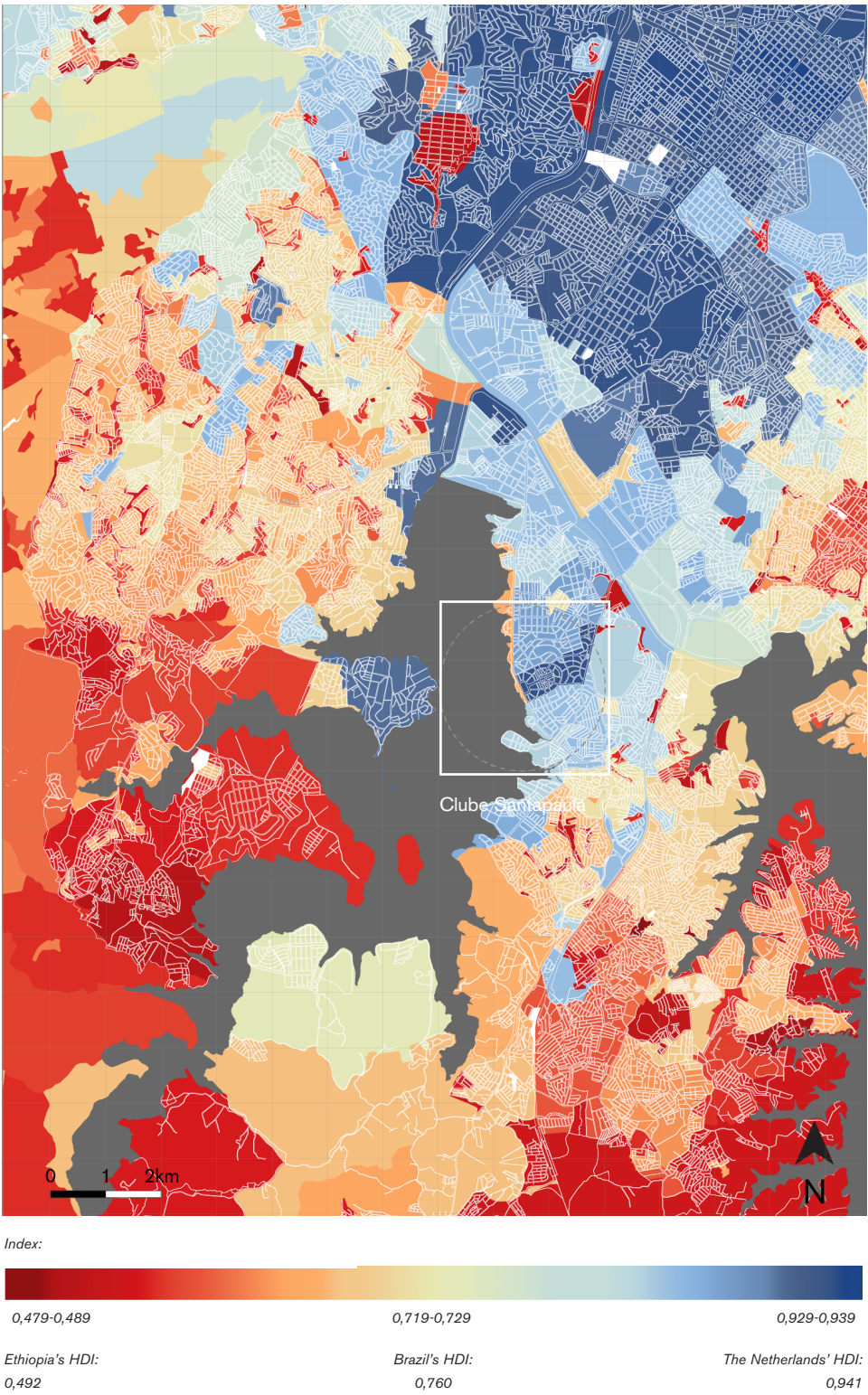
Satellite Image, 2024.



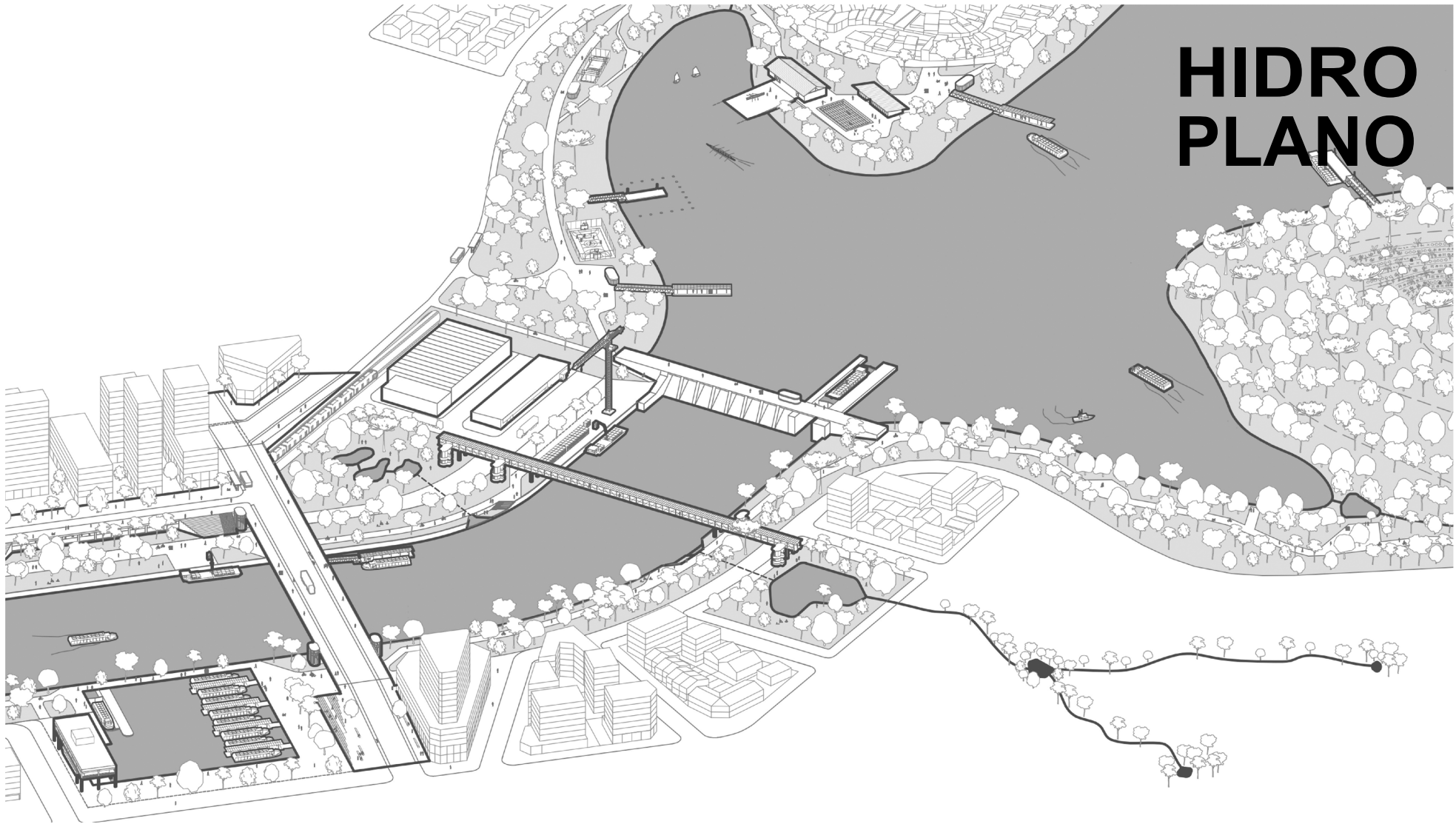
a place

social context

human development index



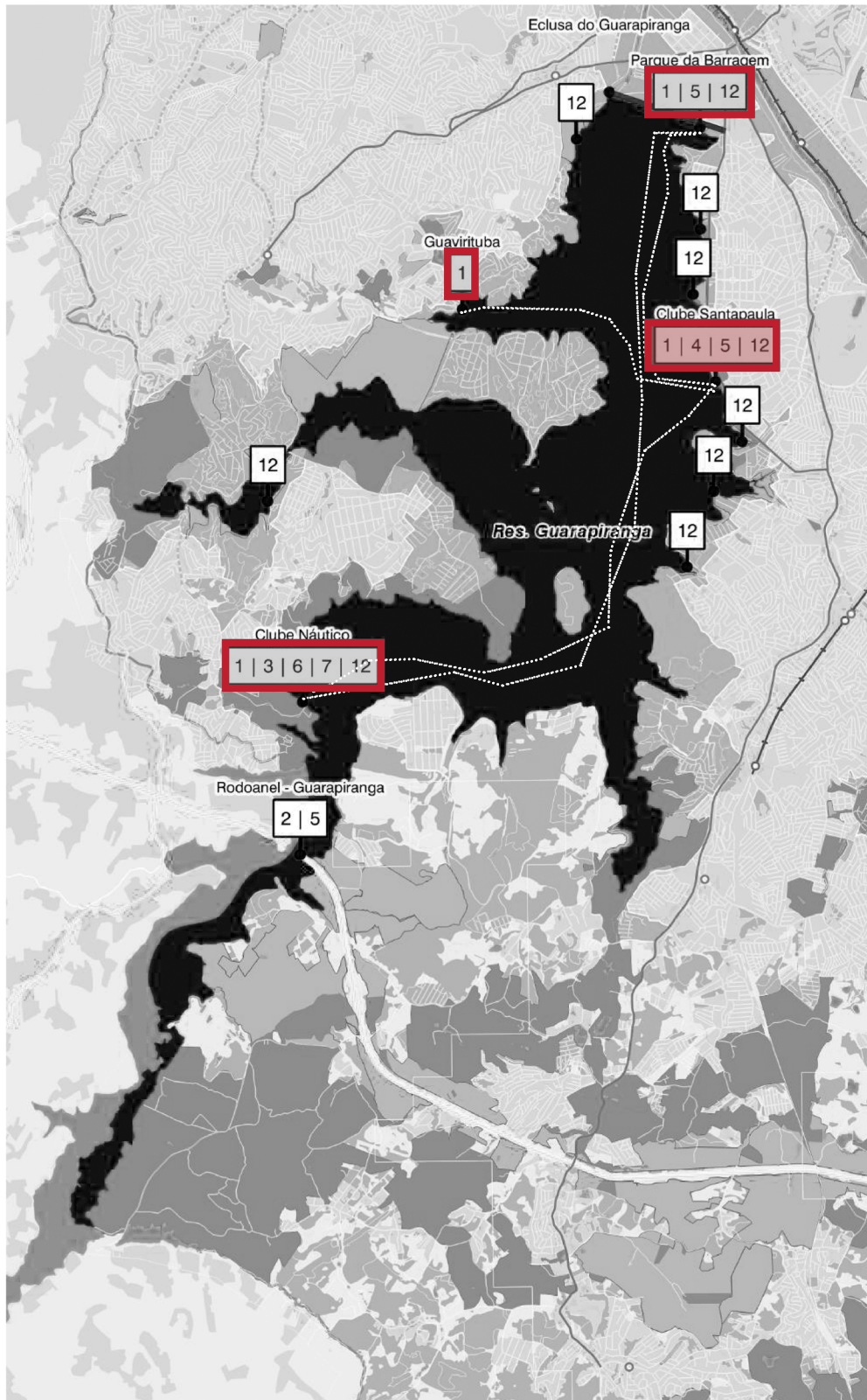
a place
a possible future



Bird's eye view included in the Hidro Plano.
Municipality of São Paulo, 2024.

a place

a possible future



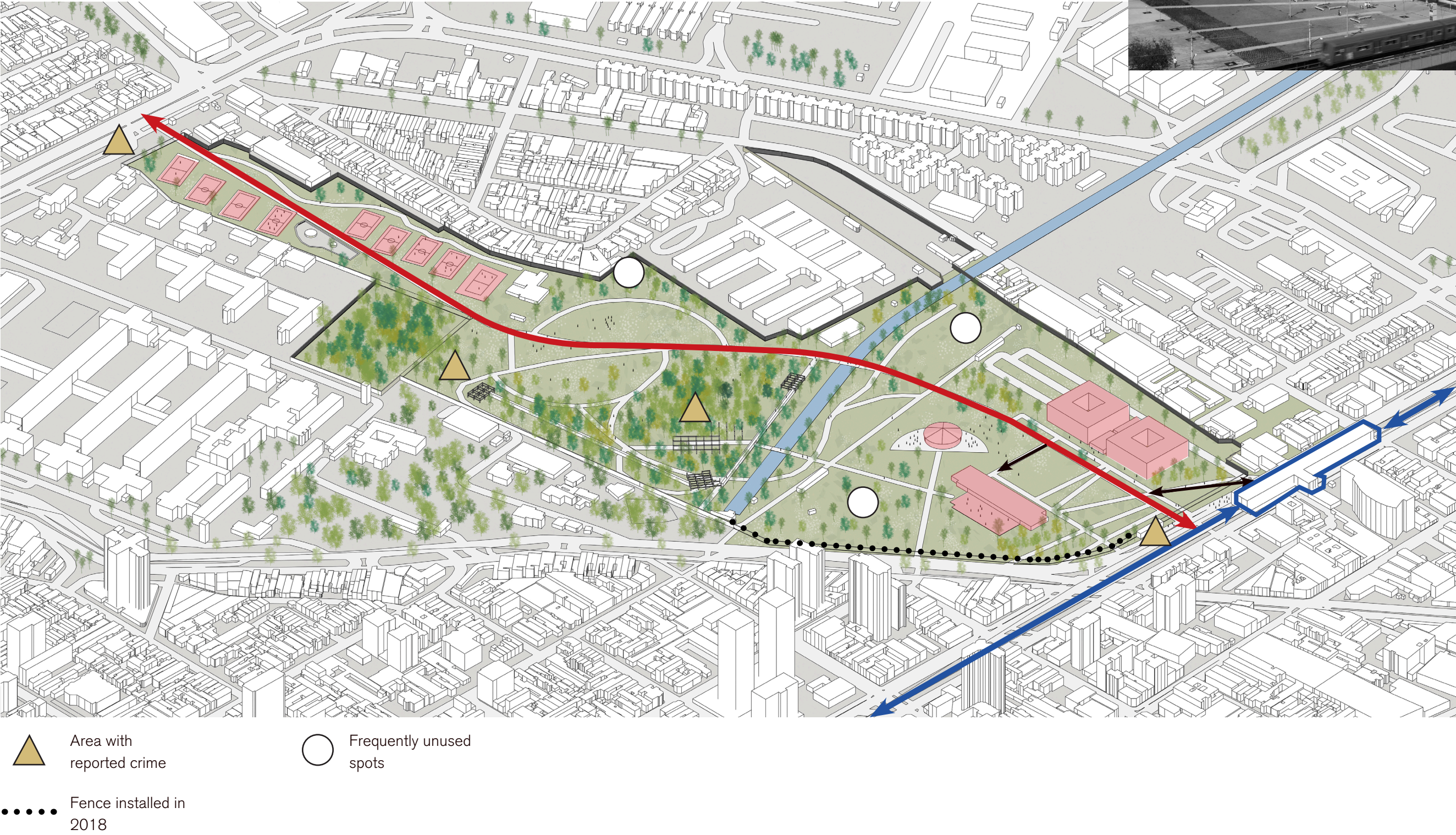
01_Boat Stop / Ecoport / 02_Ecopark / 03_Shipyard / 04_Marina /
05_Park / 06_Nautical Sports Center / 07_Ship Building School / 12_
Leisure Pier

What if the surroundings of the new Santapaula boat station were further integrated into the current needs of Guarapiranga inhabitants so that this incoming node of passages could also configure new stages for permanences?

case study

conclusions

Urban Tensions



a site

surroundings analysis

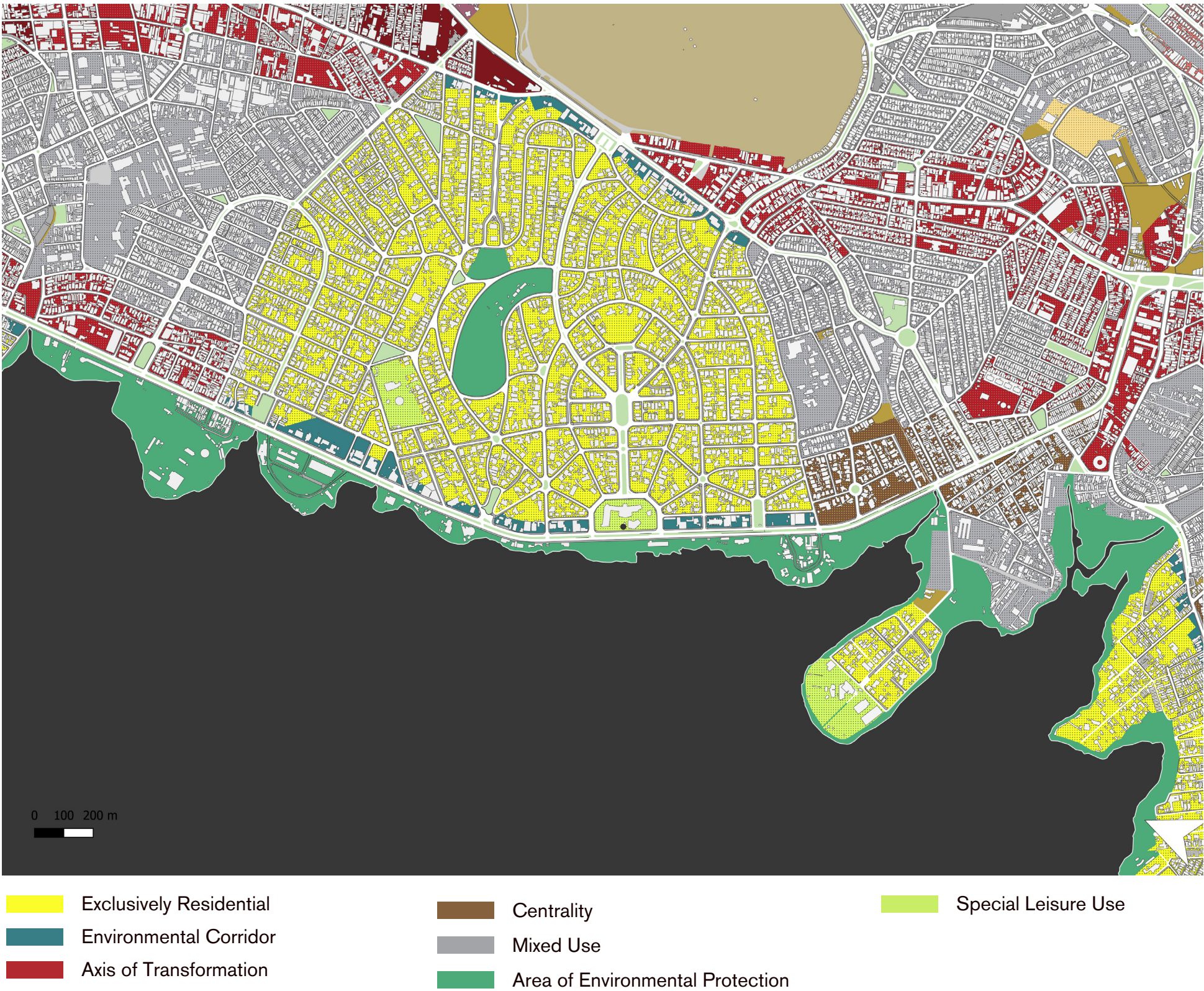


2024



1960

urban zoning



a site

car / walking tour



a site

boat tour



a site

historical context

1970s

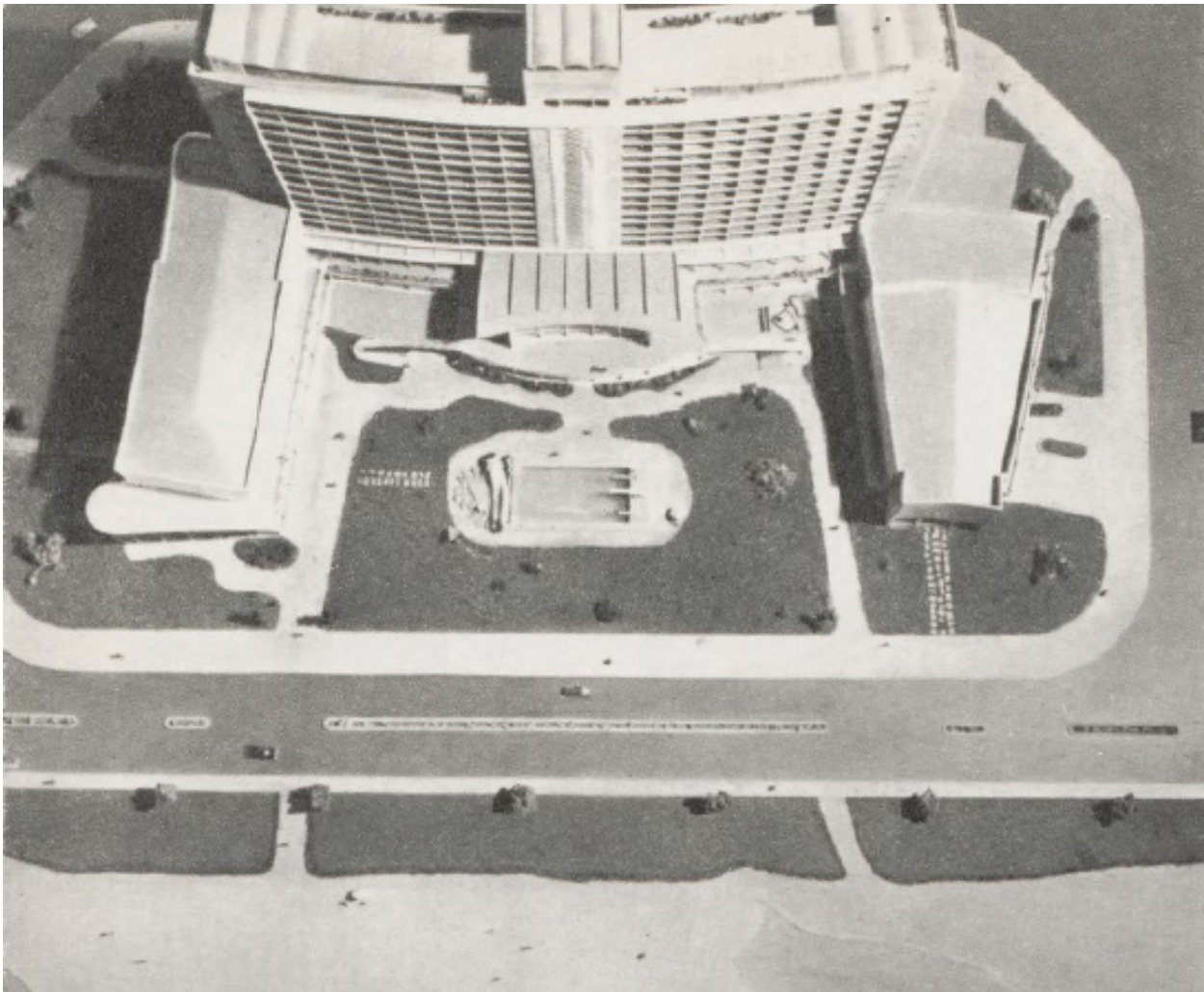


a site

historical context



model for “grand hotel interlagos”
by polish architect mikael grabowski



a site
historical context

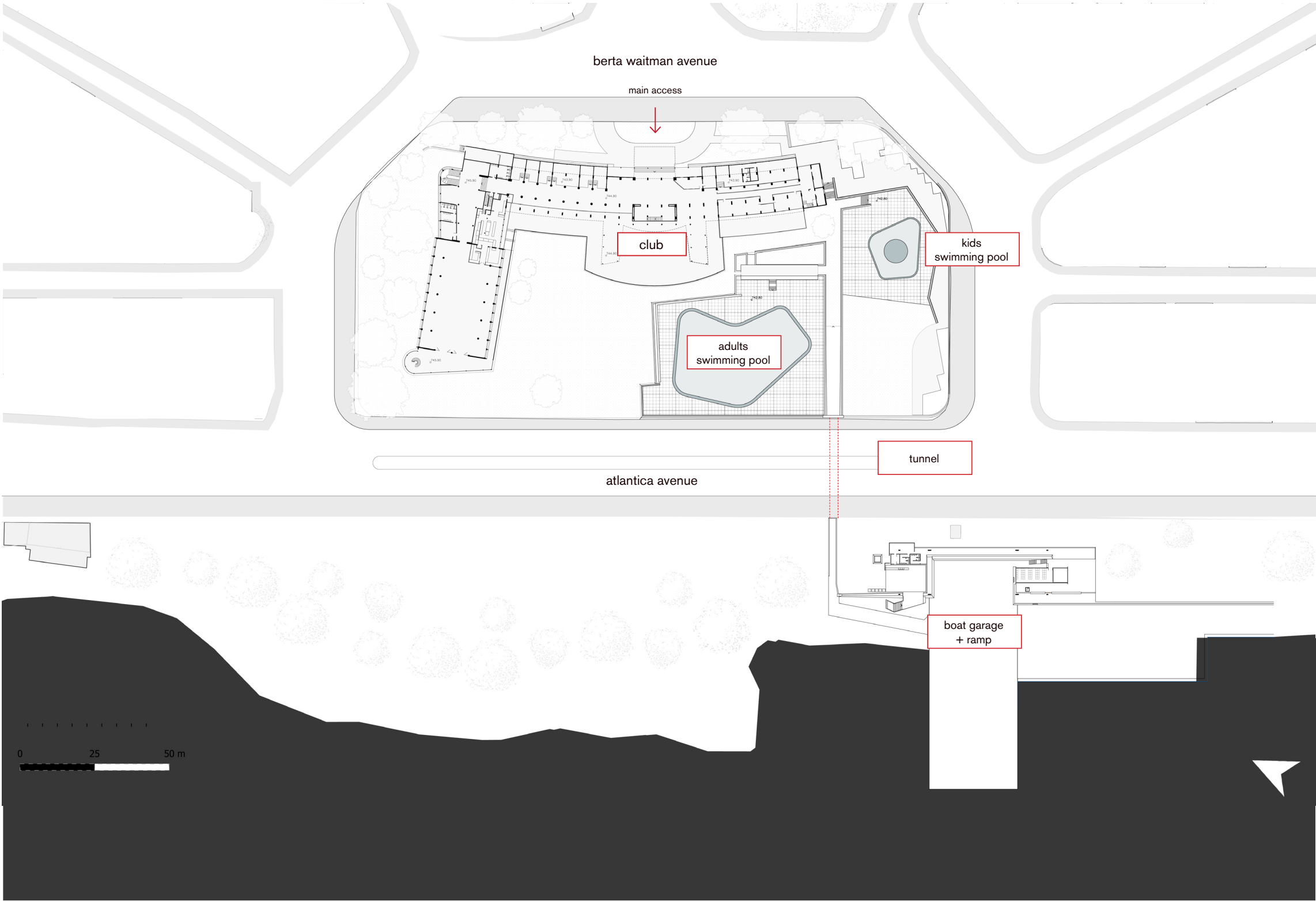


the club under construction,
early 1960s



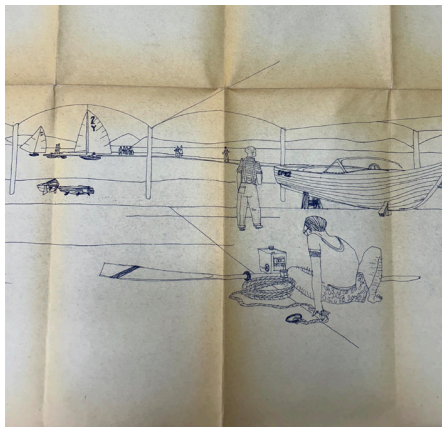
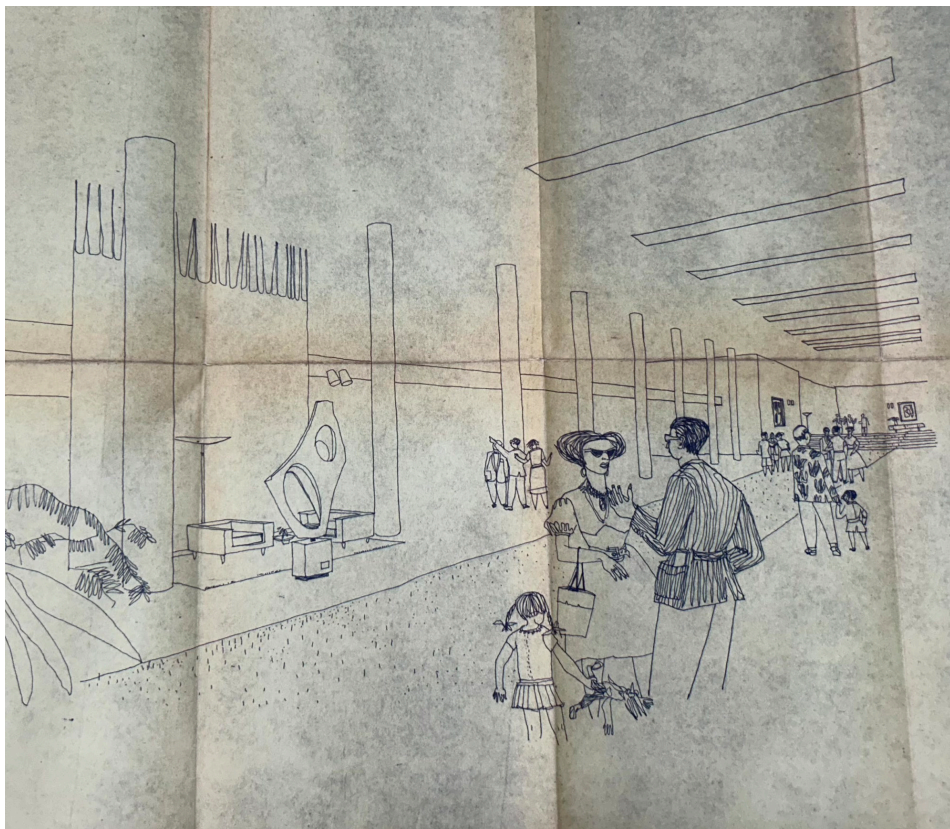
a site

historical context



a site

visit to vilanova artigas' archive
fau-usp



a site
other artigos projects



Jaú Balneary



Guarulhos lyceum



FAU-USP



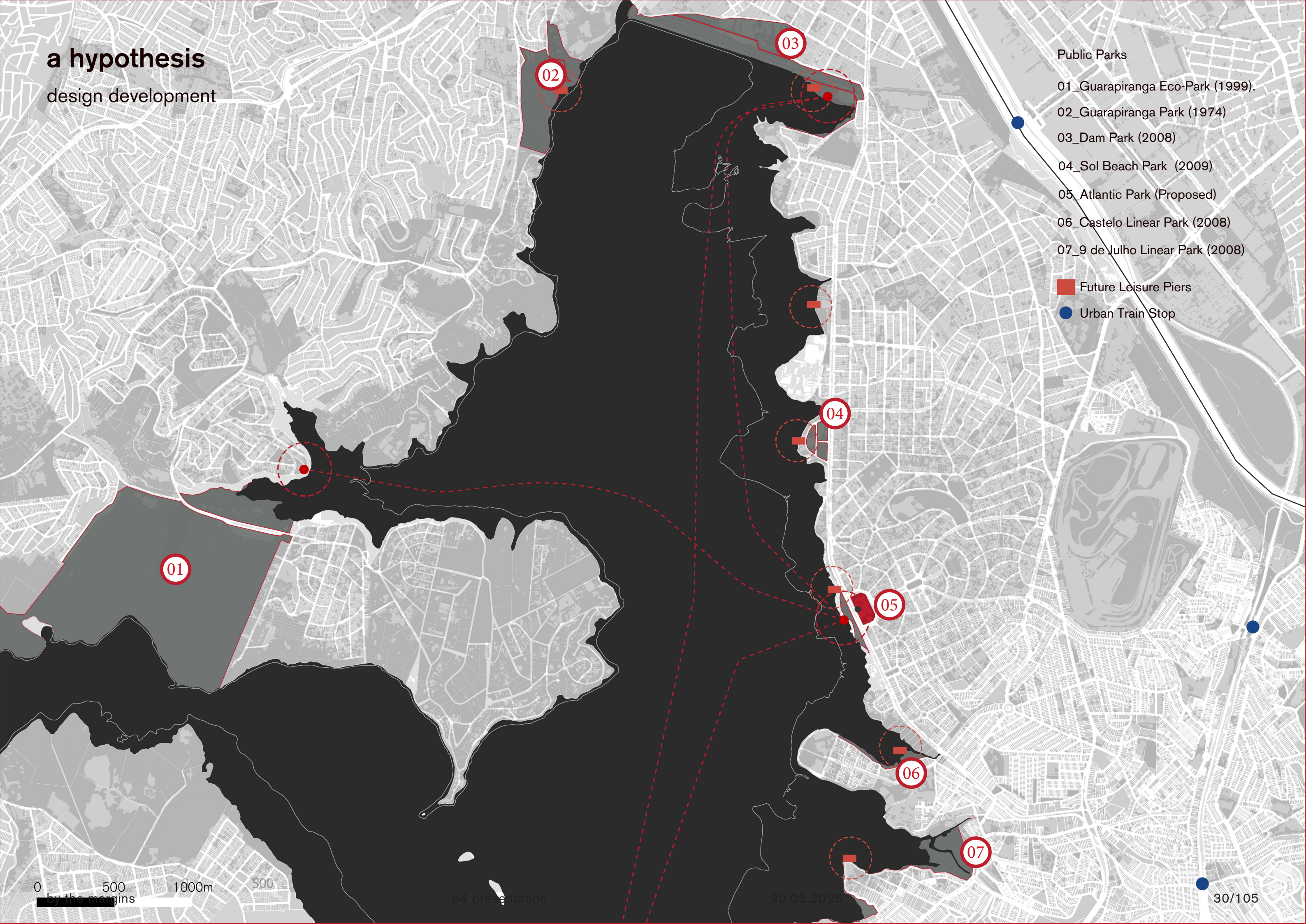
Black and white photo Tuca Vieira, color photo by Ciro Miguel



a hypothesis

a hypothesis

design development

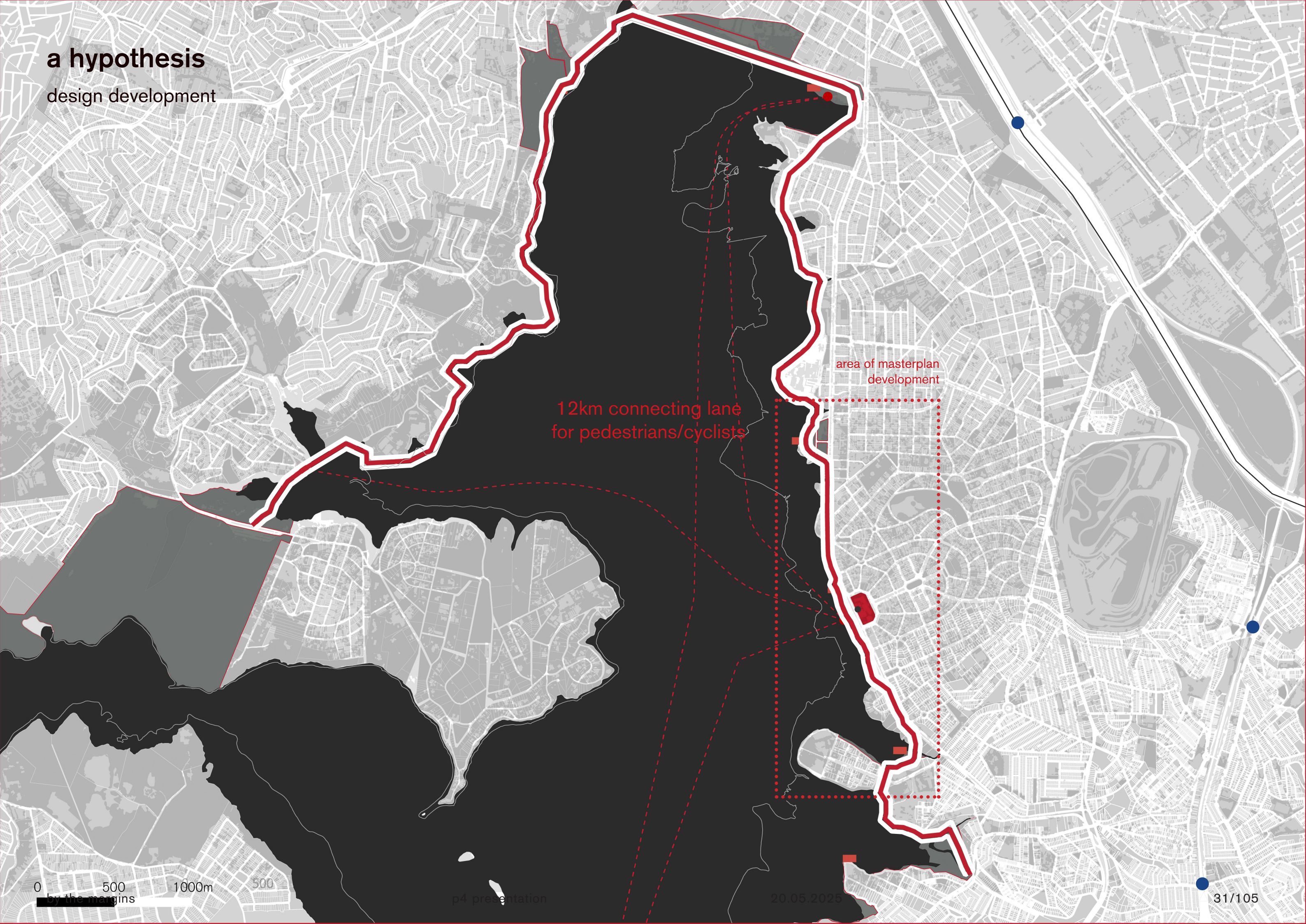


Public Parks

- 01_Guarapiranga Eco-Park (1999).
- 02_Guarapiranga Park (1974)
- 03_Dam Park (2008)
- 04_Sol Beach Park (2009)
- 05_Atlantic Park (Proposed)
- 06_Castelo Linear Park (2008)
- 07_9 de Julho Linear Park (2008)

- Future Leisure Piers
- Urban Train Stop

a hypothesis
design development



0 500 1000m 500
by the margins

a hypothesis

design development



leisure
activities

"praia do sol" park

sports
activities

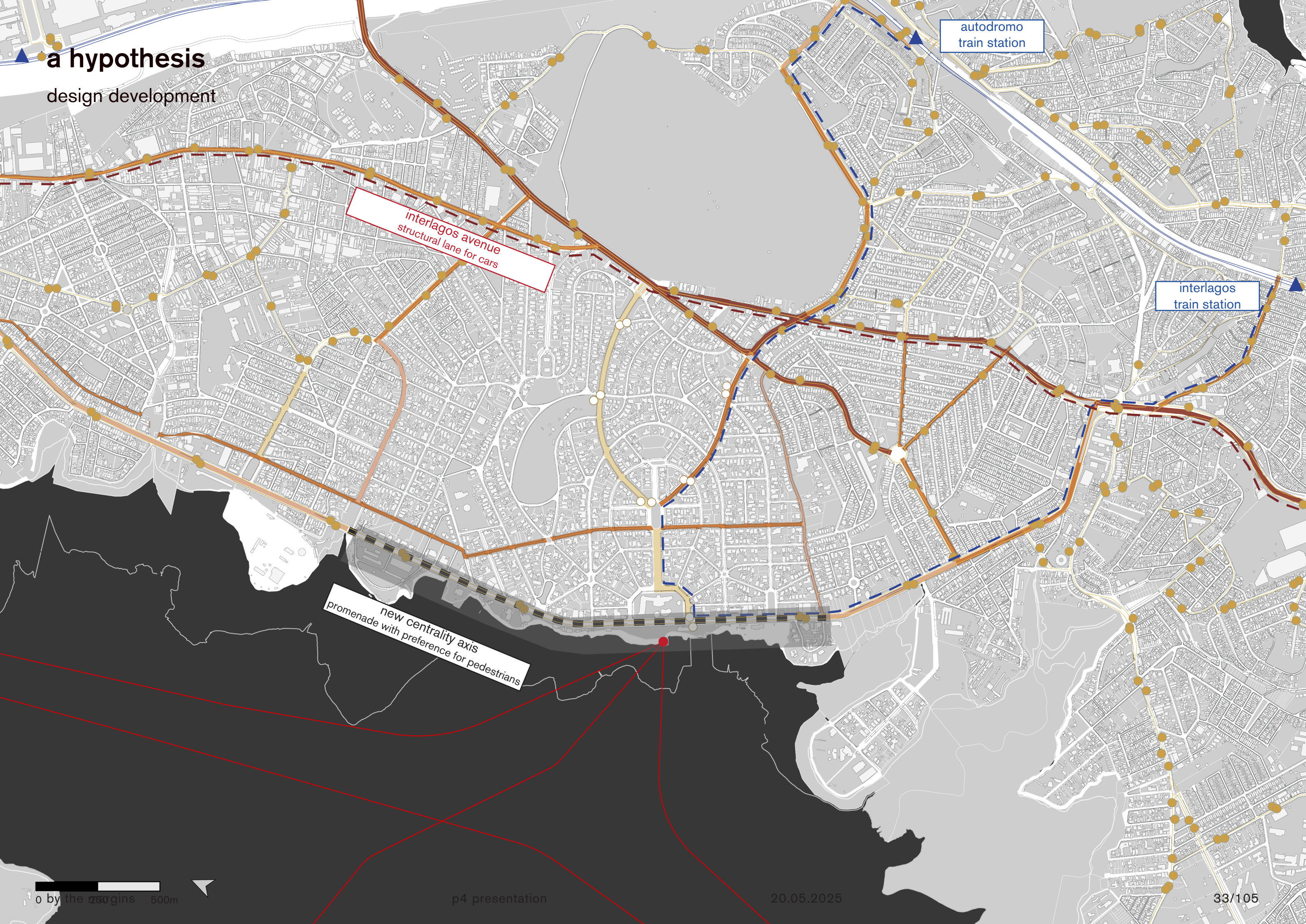
new "praia de
são paulo" park



contemplation
activities

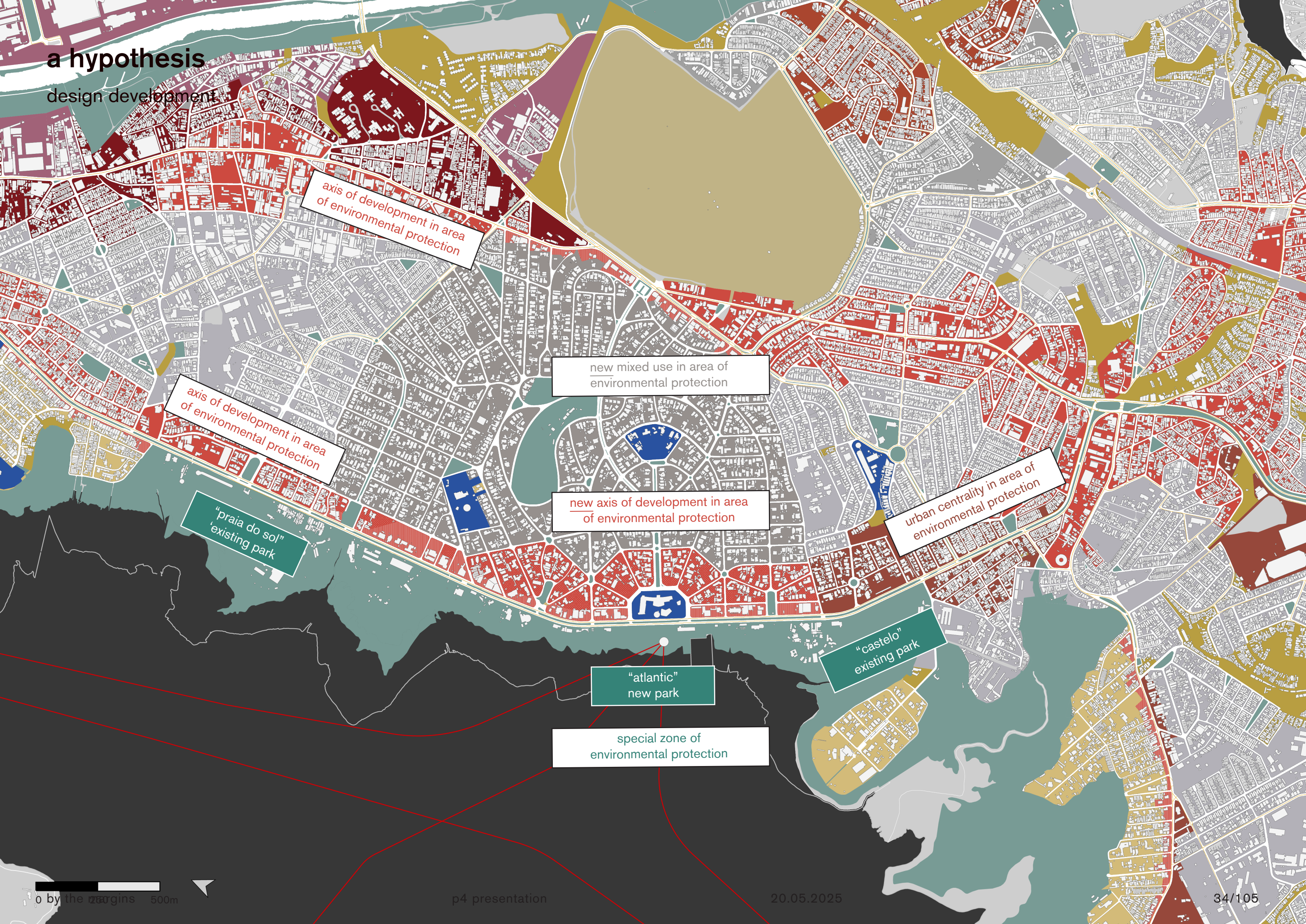
"castelo" linear park





a hypothesis

design development



praia do
sol park

atlantico
park (new)

castelo park



market

restaurants

hotel

youth
sports
center

water sports
center

theater

school

marina

boat stop

pavillion

watchtower

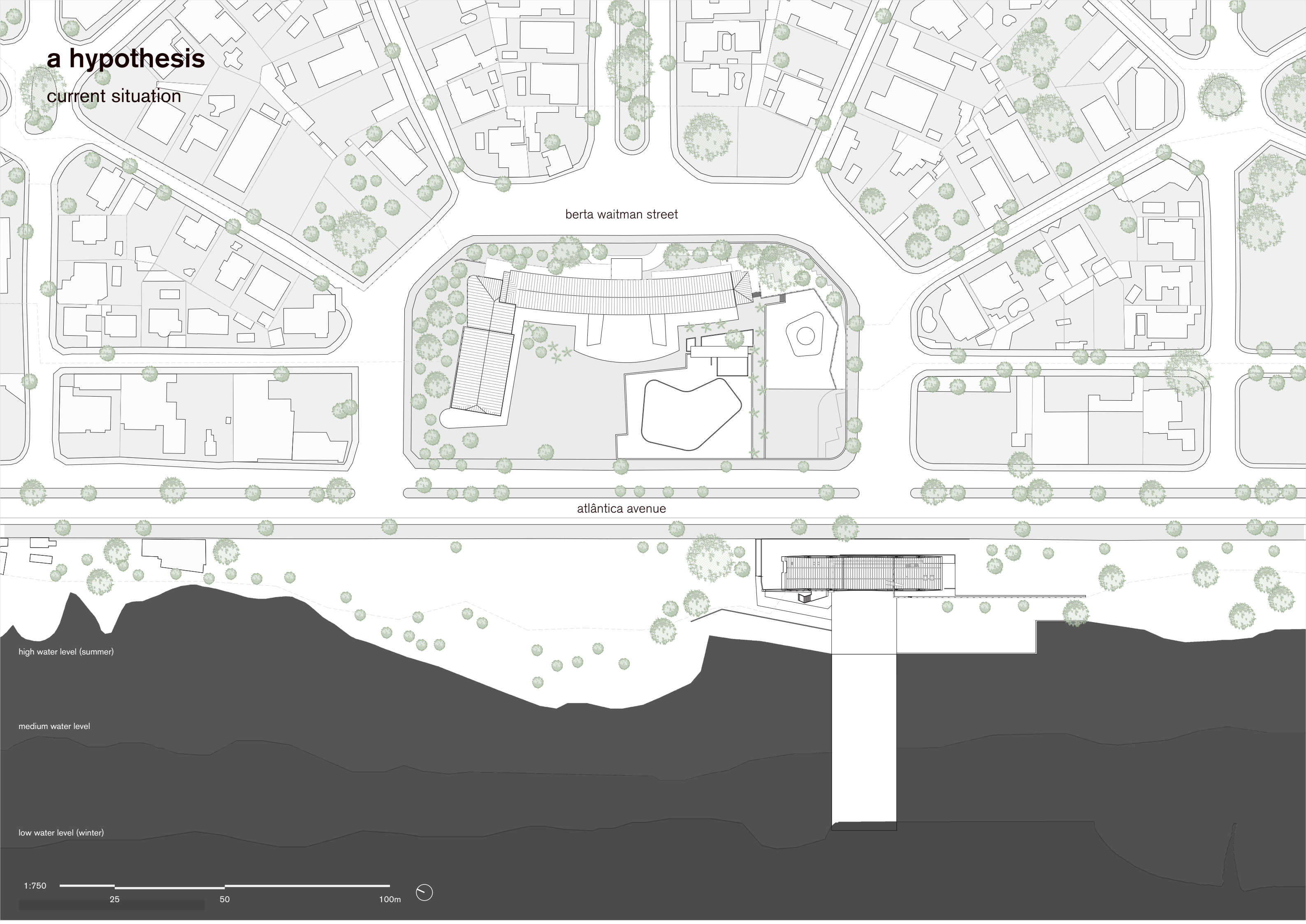




area for design development

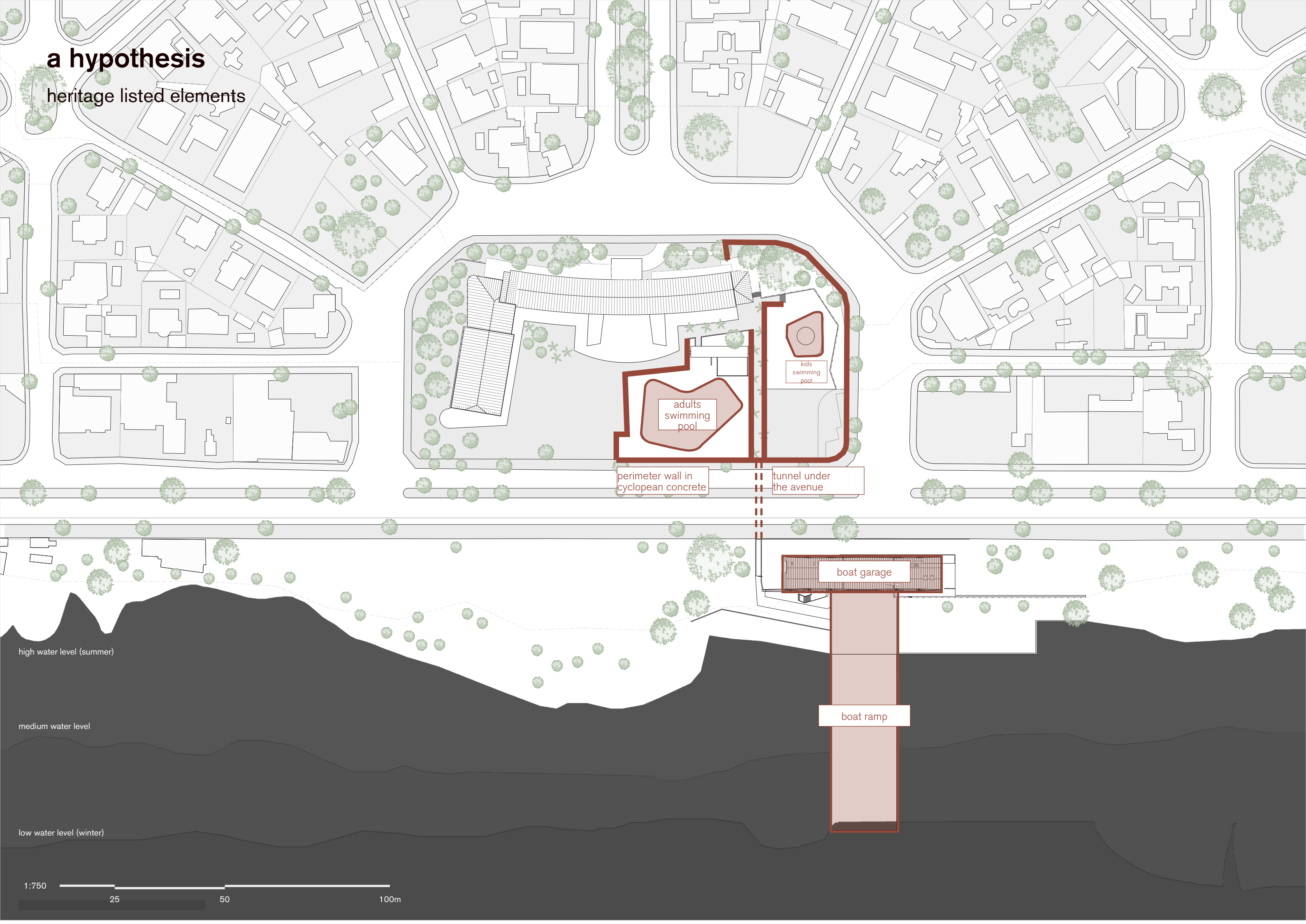
a hypothesis

current situation



a hypothesis

heritage listed elements



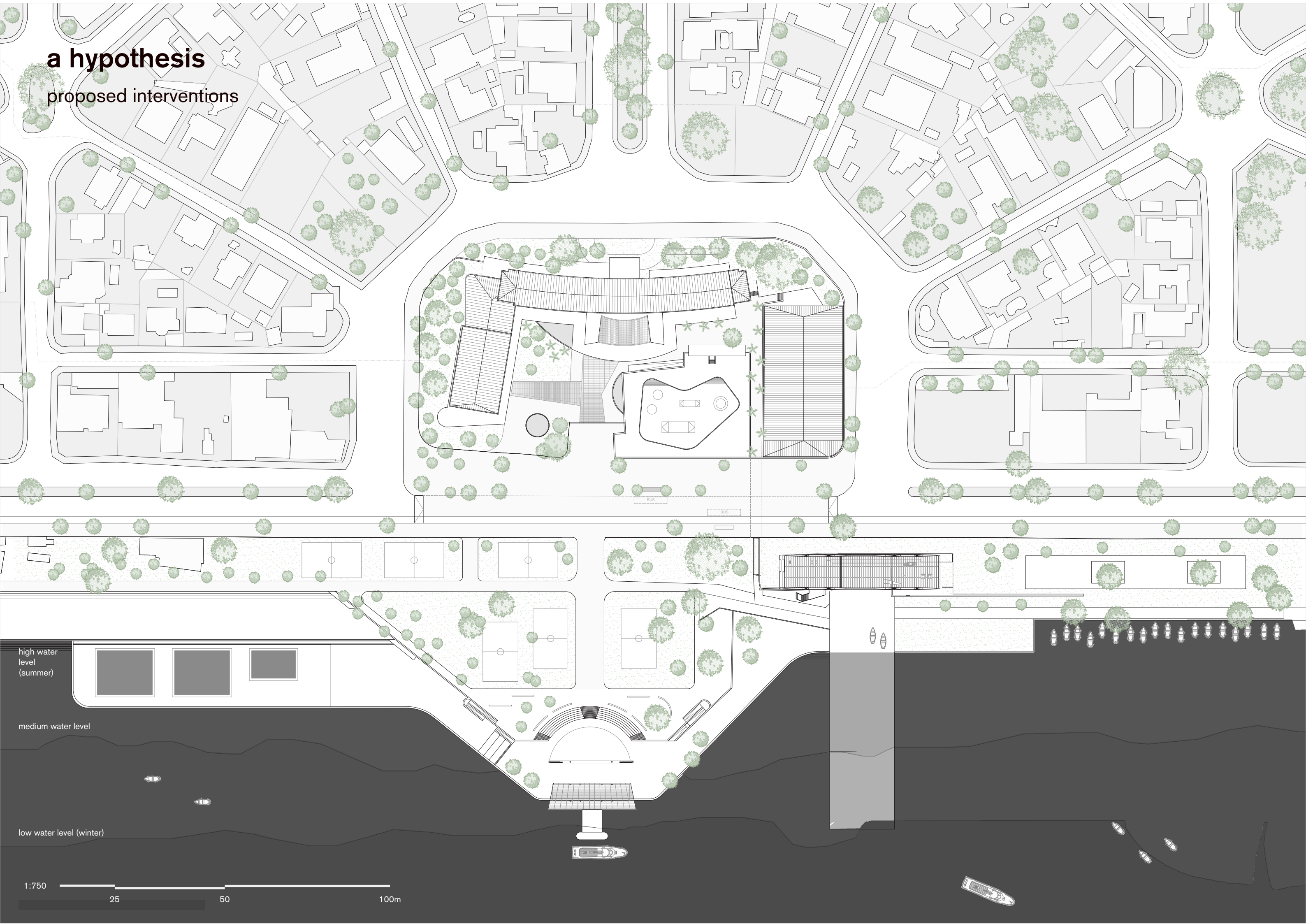
high water level (summer)

medium water level

low water level (winter)

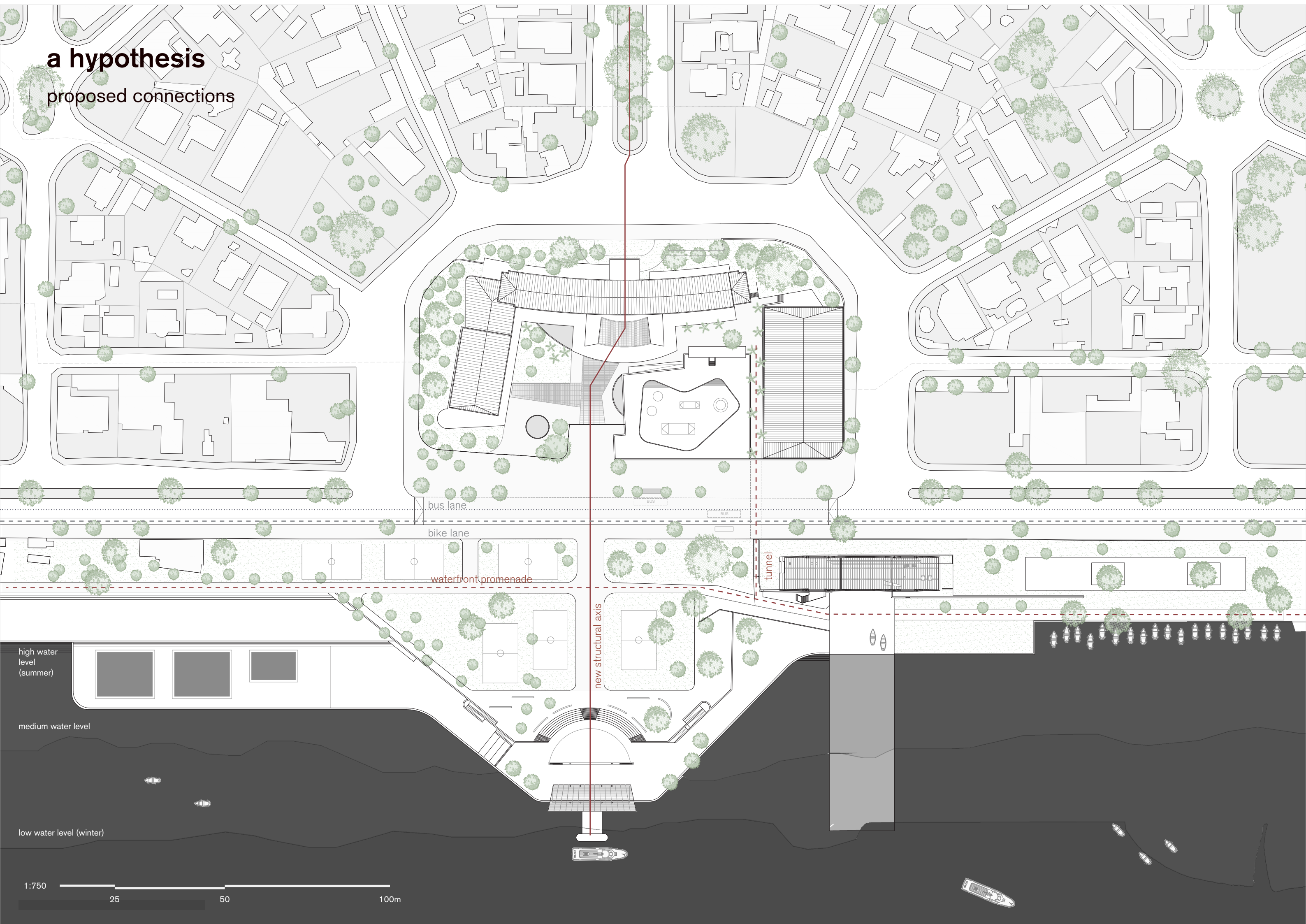
1:750 25 50 100m

a hypothesis
proposed interventions

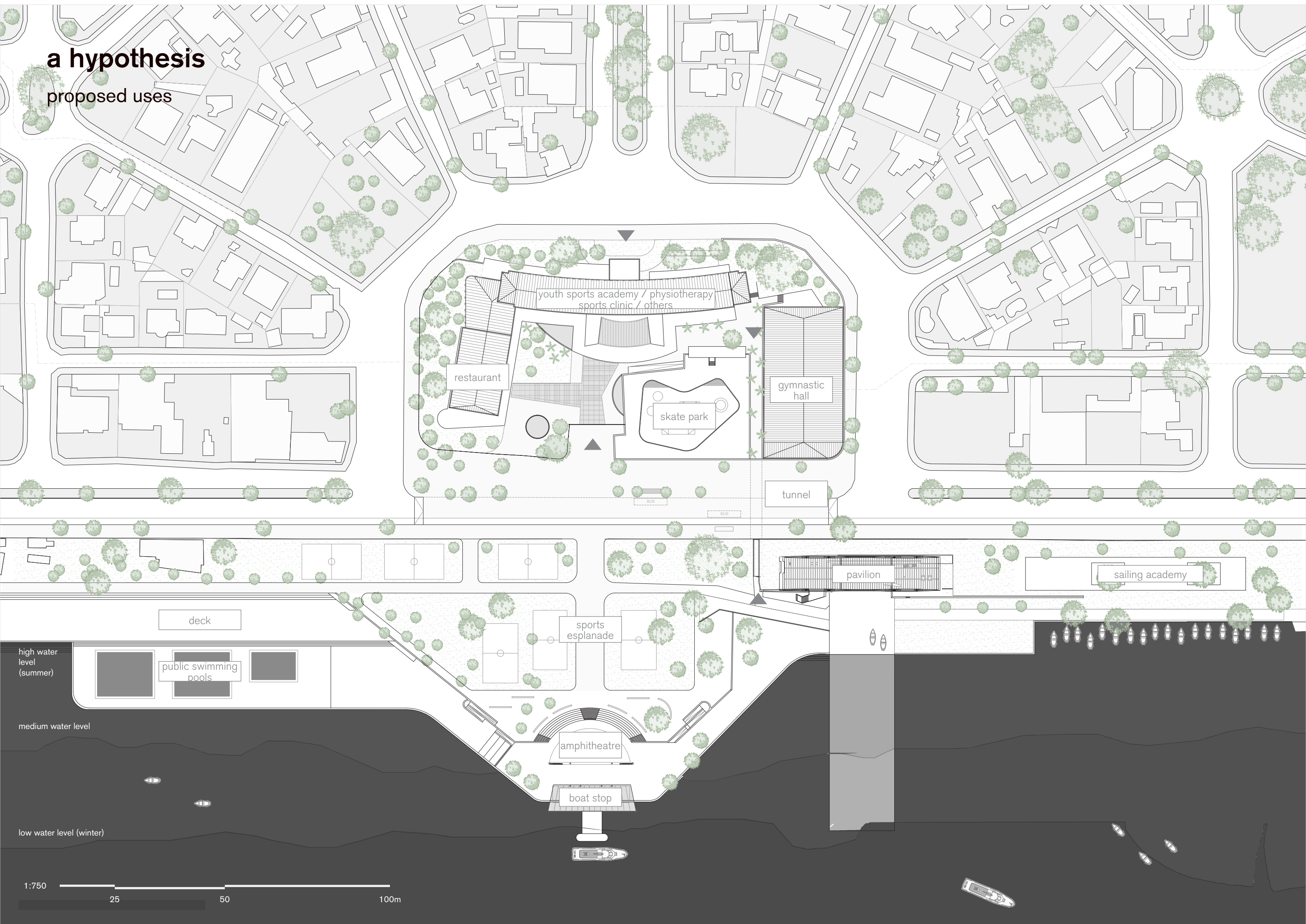


a hypothesis

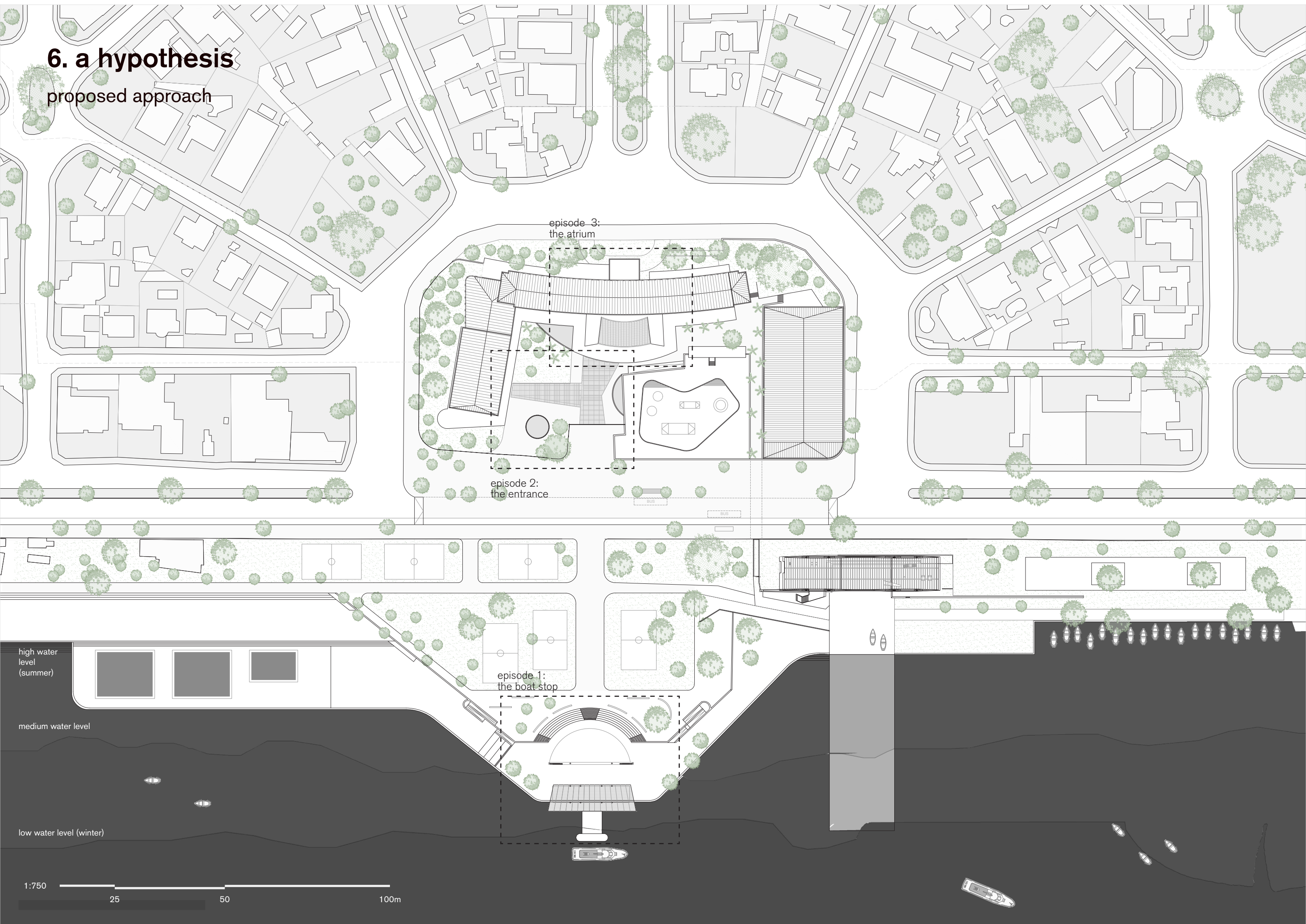
proposed connections



a hypothesis
proposed uses



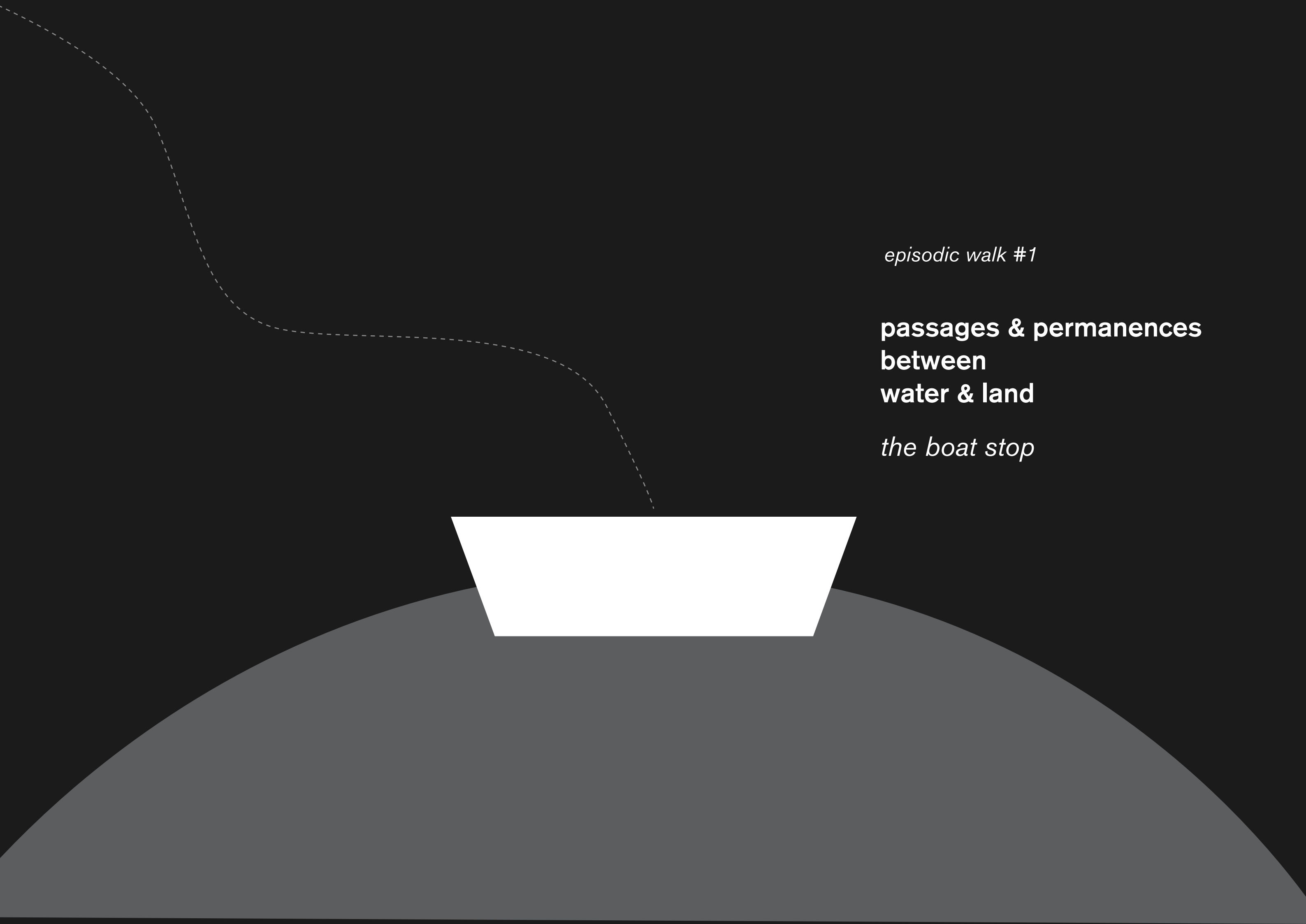
6. a hypothesis
proposed approach



a hypothesis

proposed approach





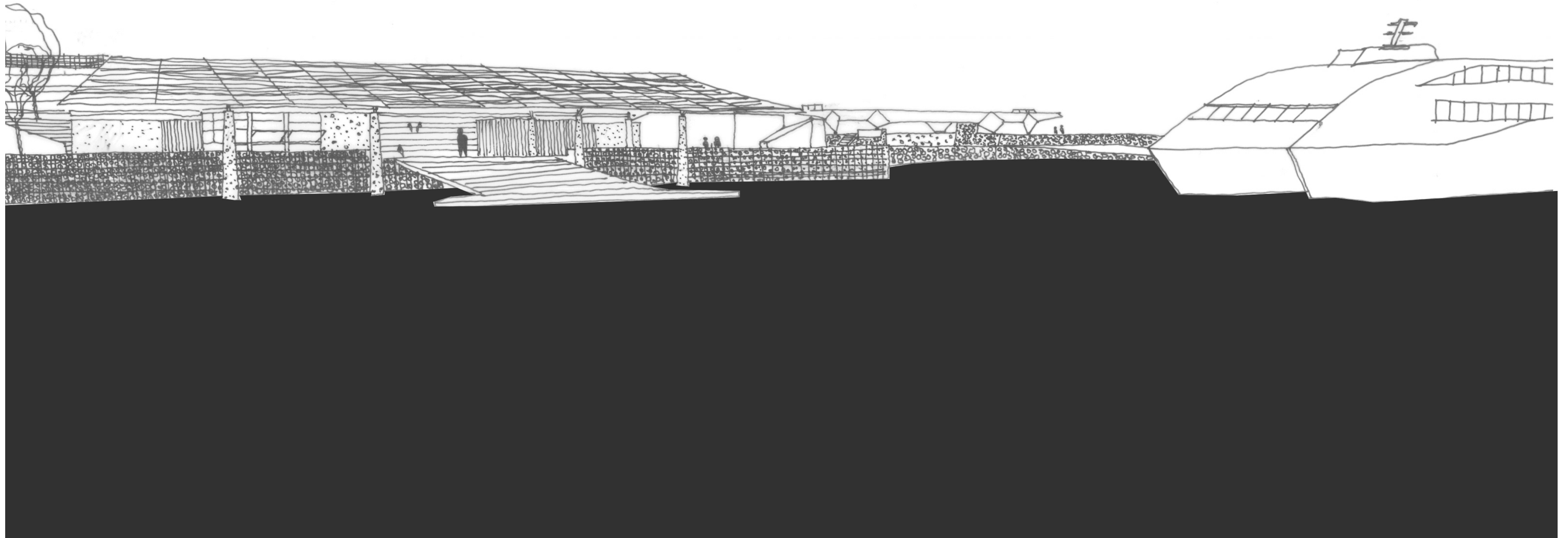
episodic walk #1

**passages & permanences
between
water & land**

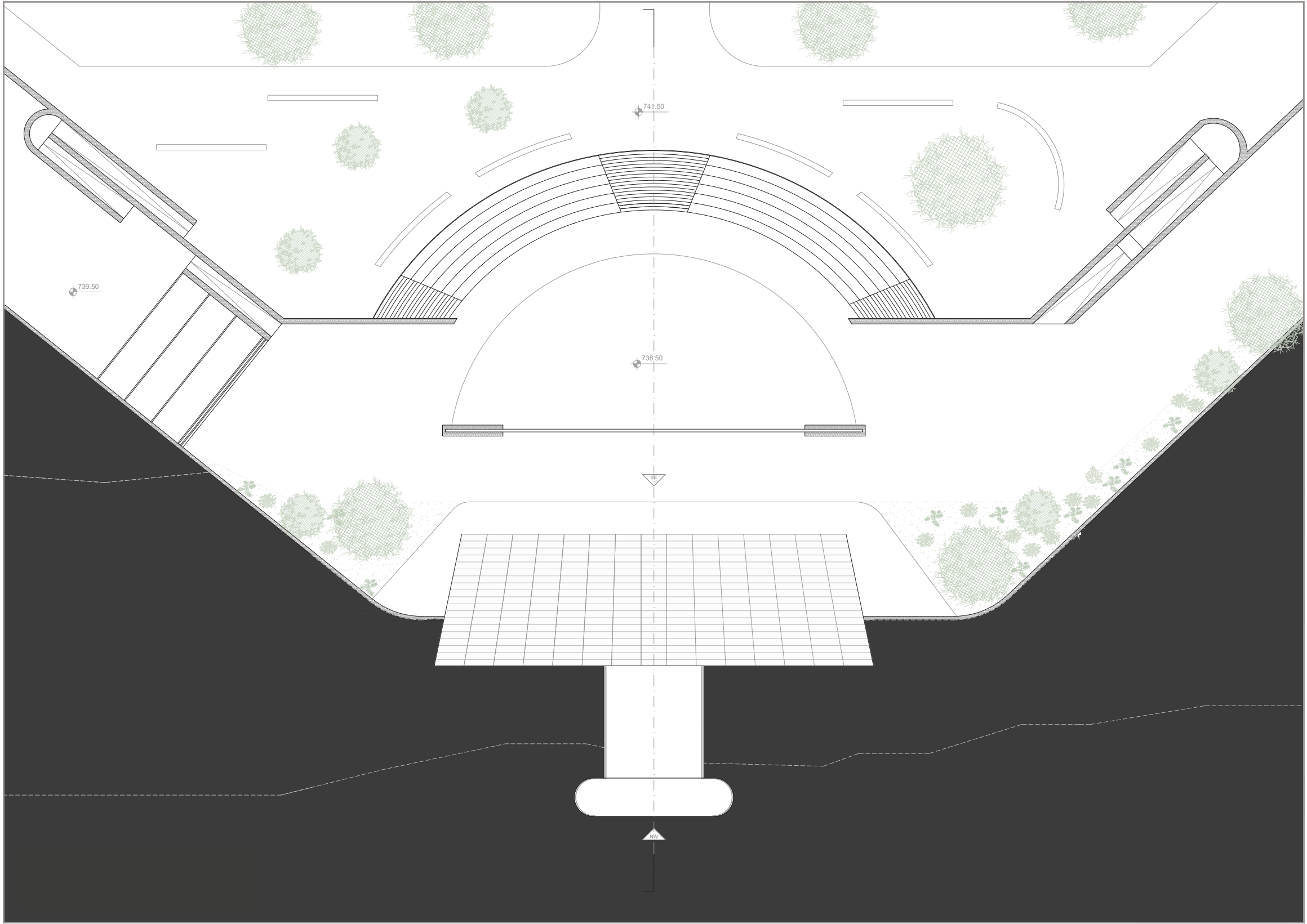
the boat stop

episodic walk

1. the boat stop



episodic walk
1. the boat stop

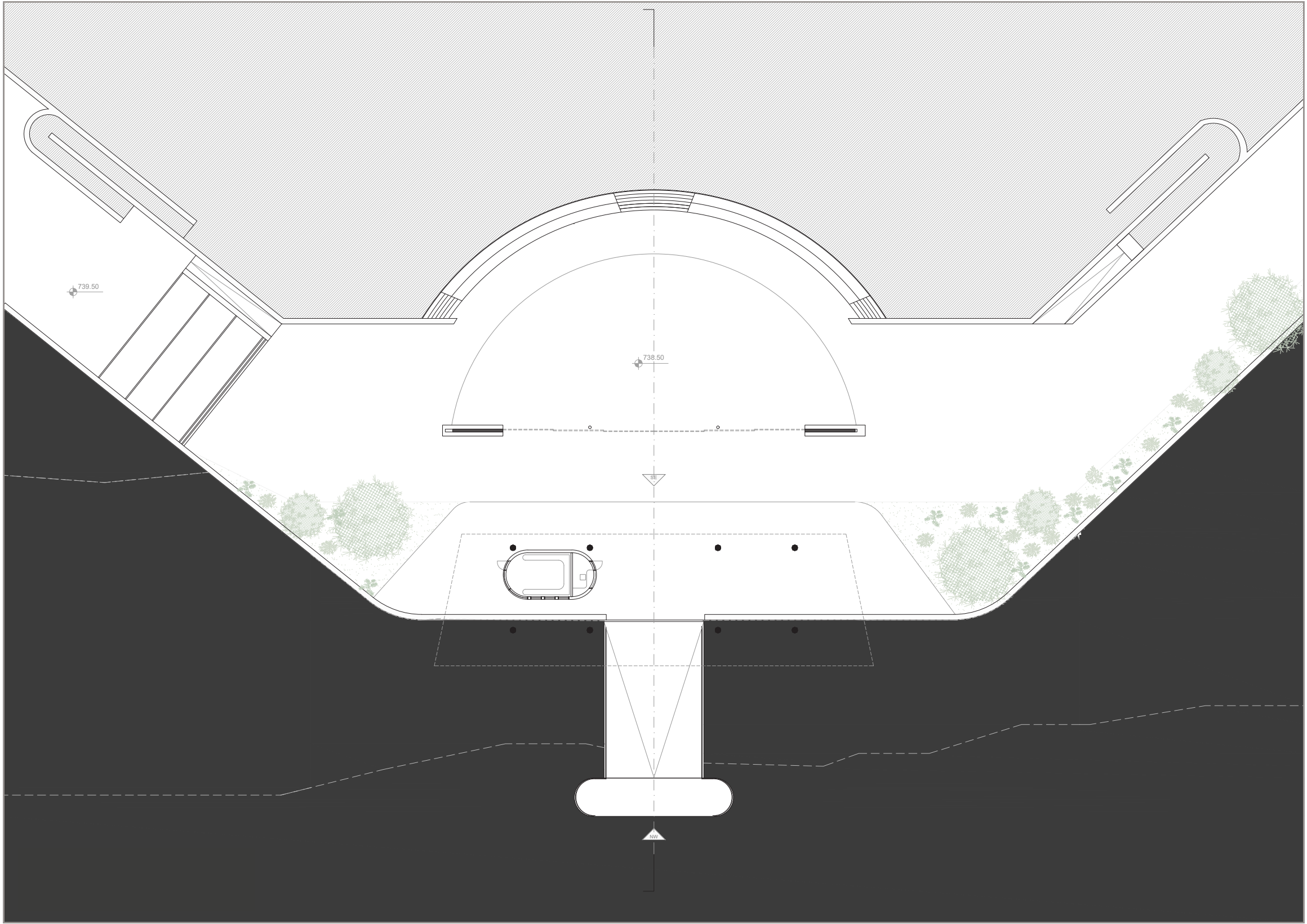


roof plan

1:200 ——— 2 5 15

⊙

episodic walk
1. the boat stop

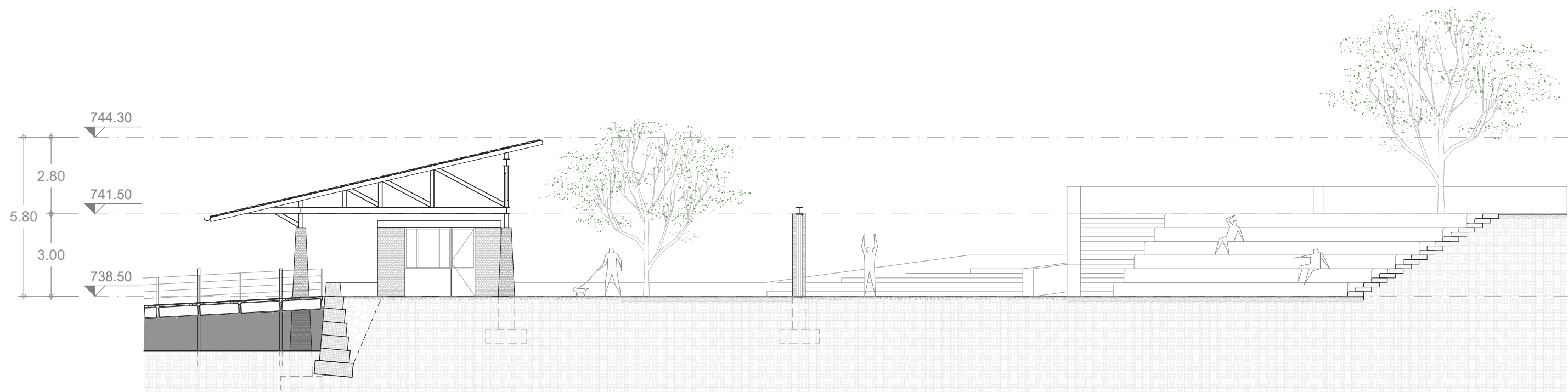


ground floor plan

1:200 2 5 15

episodic walk
1. the boat stop

section



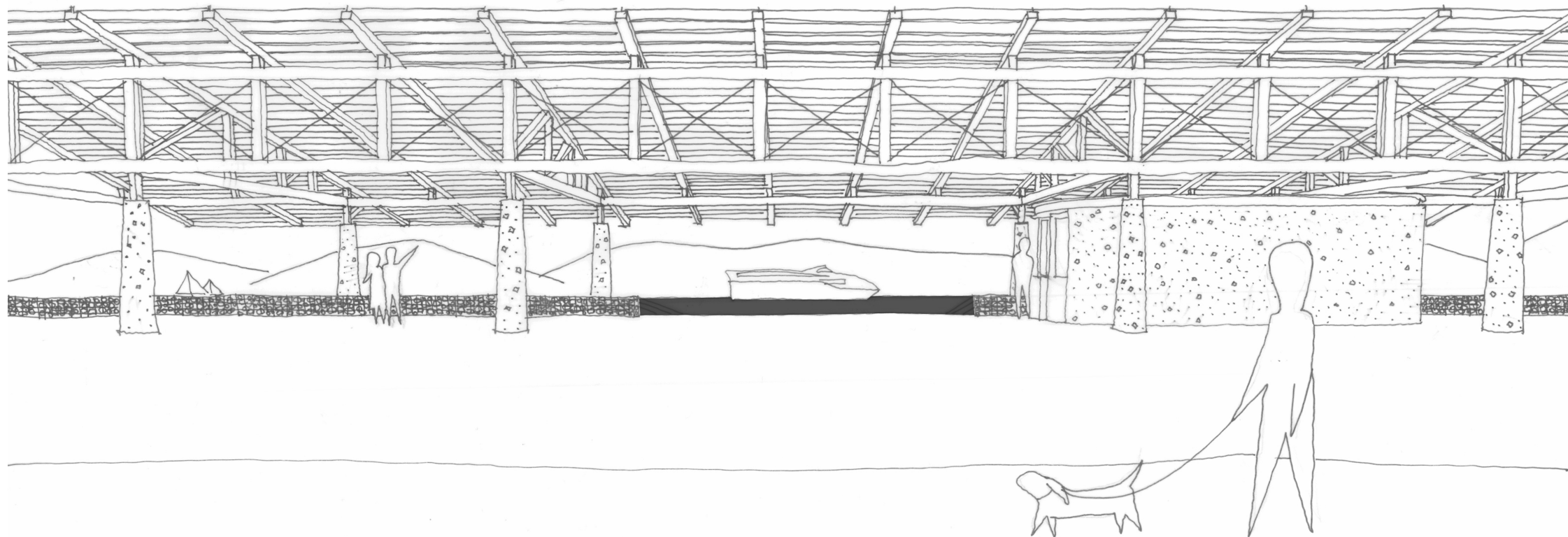
cross section



episodic walk

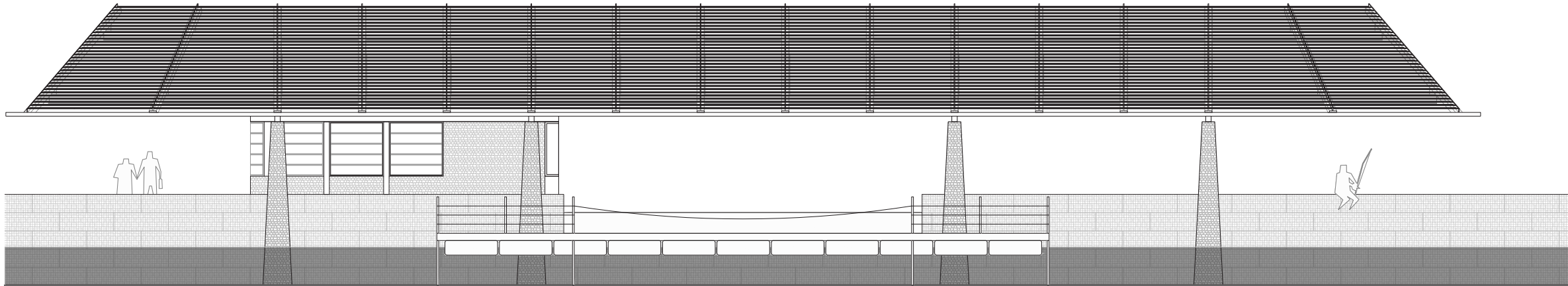
1. the boat stop

the entrance



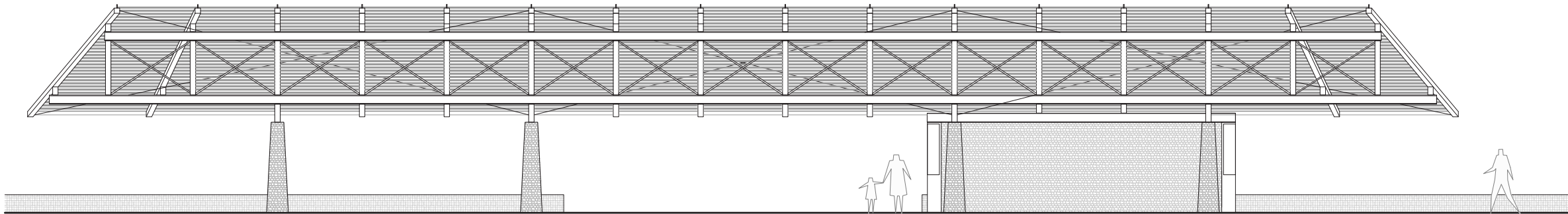
episodic walk
1. the boat stop

elevations



west elevation

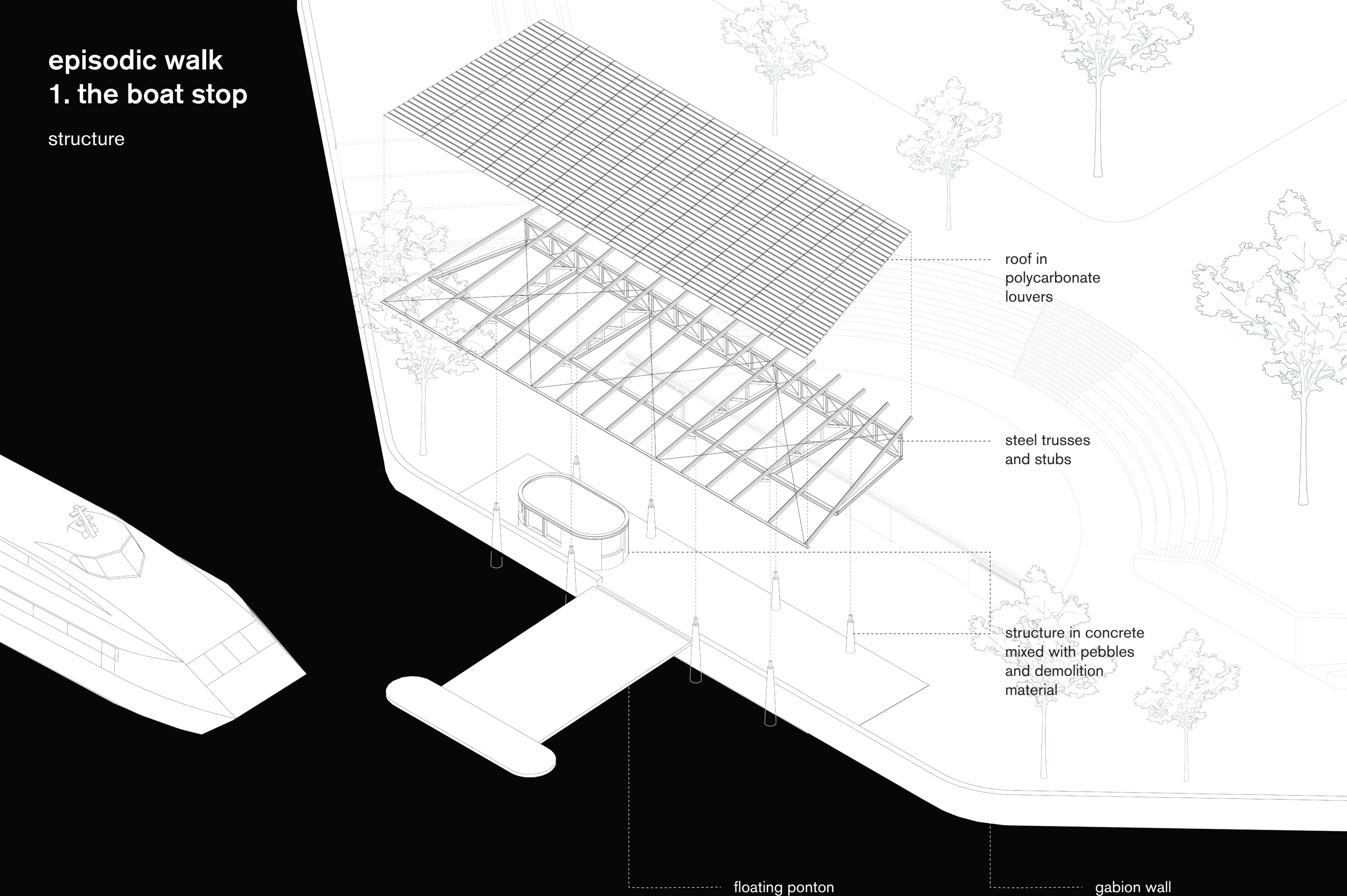
1:100 1 2 5m



east elevation

1:100 1 2 5m

episodic walk
1. the boat stop
structure



roof in
polycarbonate
louvers

steel trusses
and stubs

structure in concrete
mixed with pebbles
and demolition
material

floating ponton

gabion wall

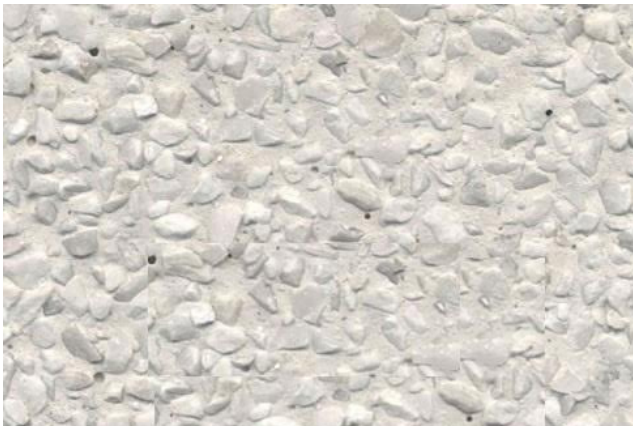
episodic walk
1. the boat stop

materiality

paving



gravel



“fulget” unpolished terrazzo flooring

walls / structure



gabion retaining wall



concrete structure mixed with pebbles and demolition material

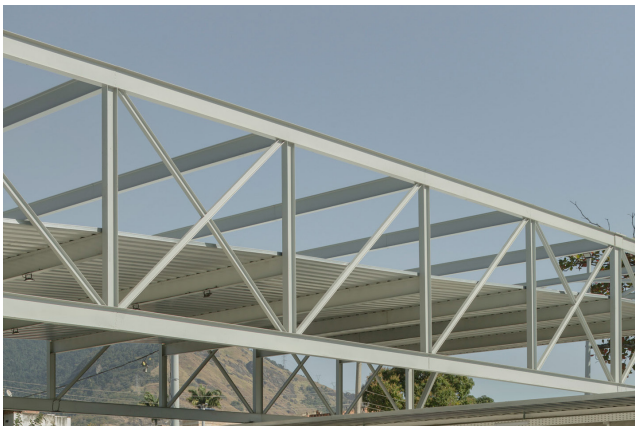


moving panels in corrugated zync sheets

roof

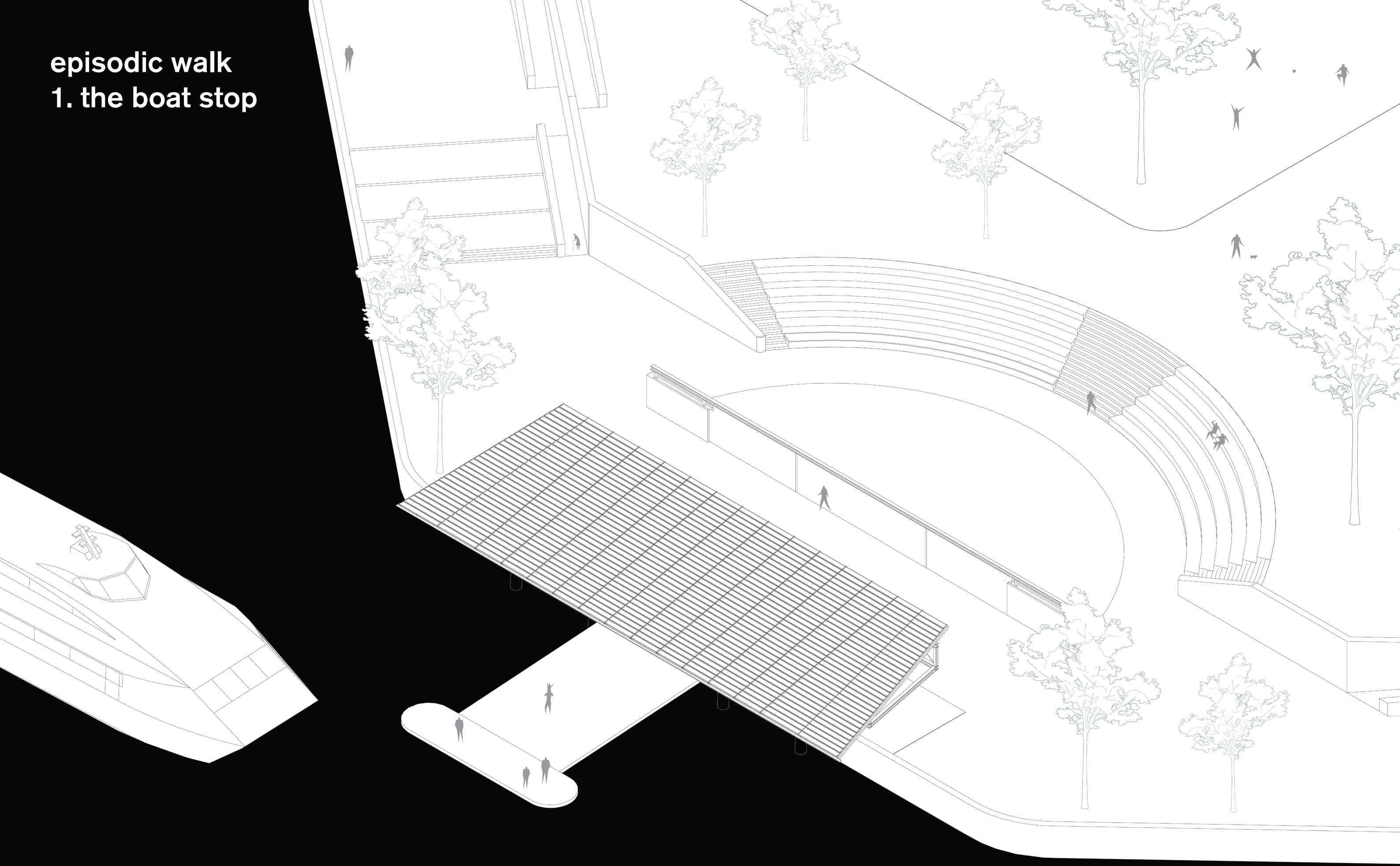


louvers “comovent”
in aluminium
and polycarbonate

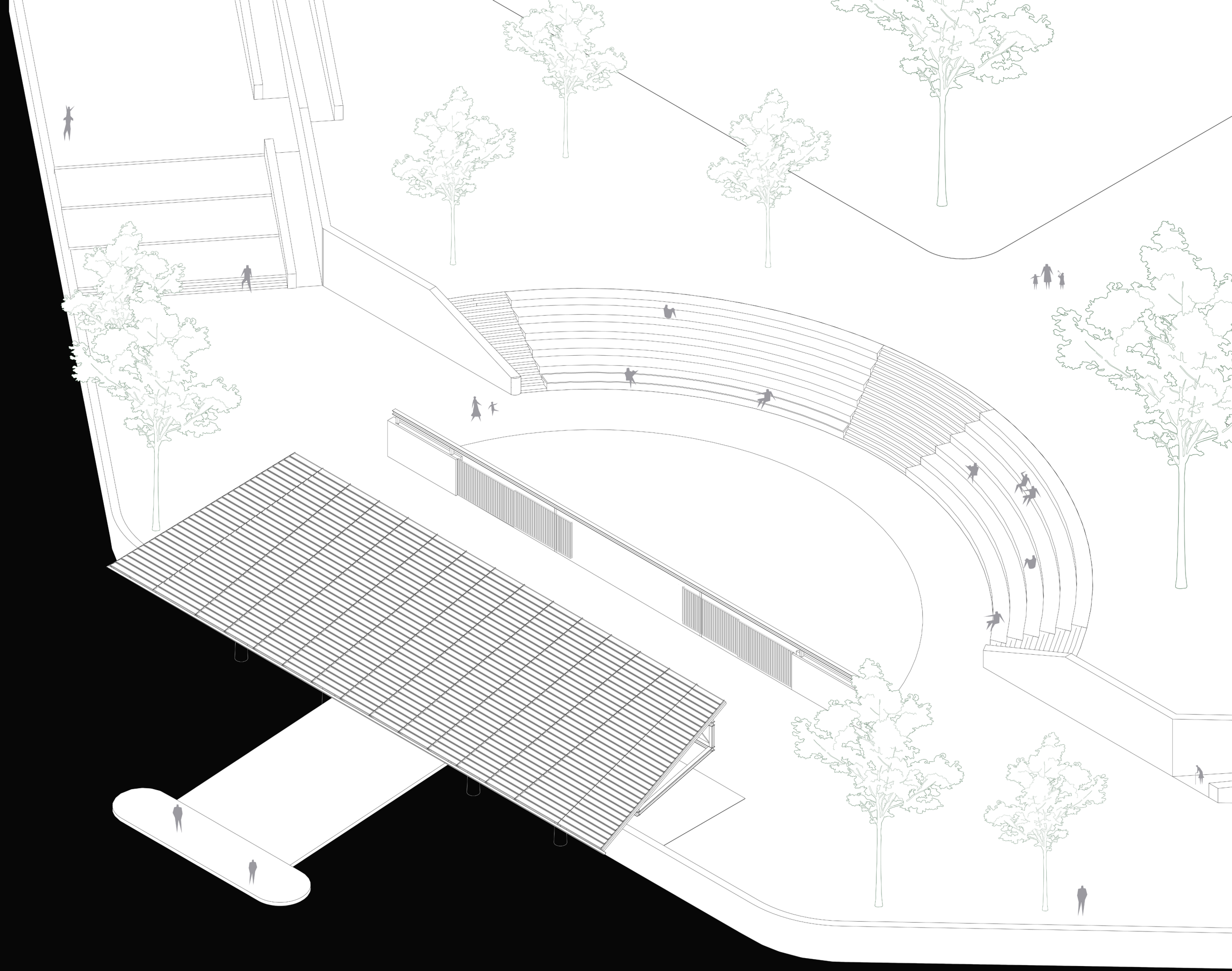


steel beams and truss painted in white

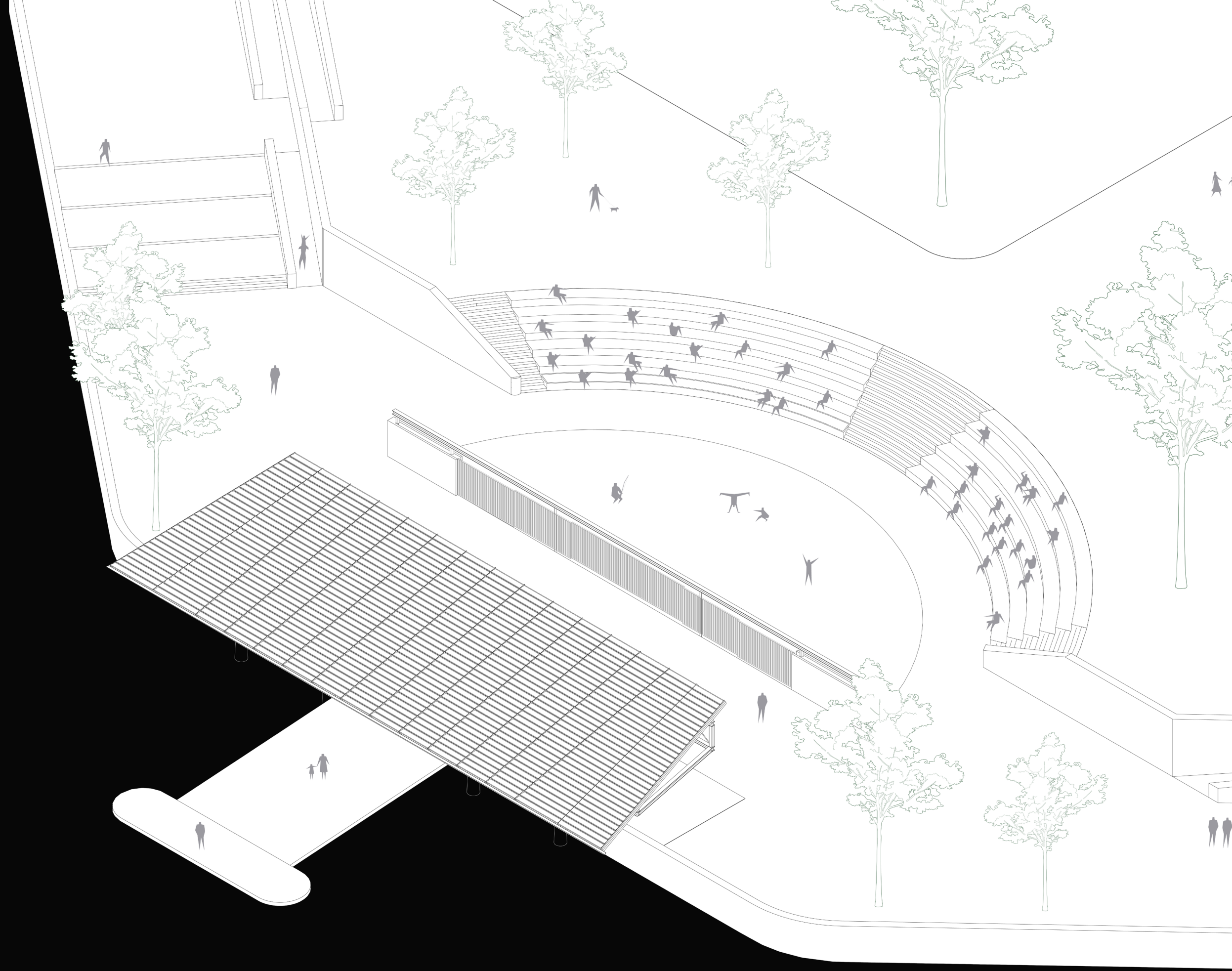
episodic walk 1. the boat stop



episodic walk
1. the boat stop



episodic walk
1. the boat stop



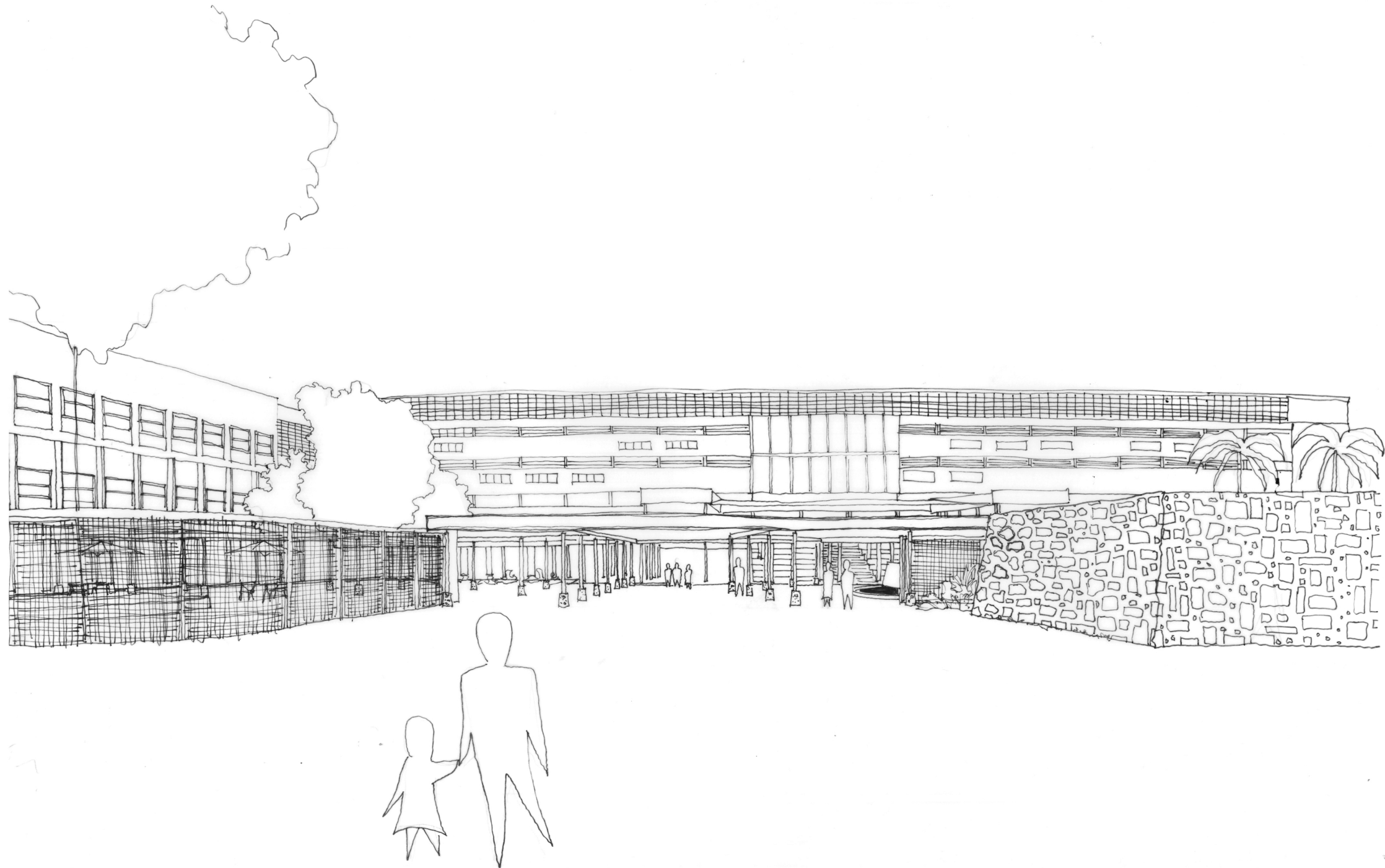
episodic walk #2

**passages & permanences
between
inside & outside**

the main entrance

episodic walk

2. the main entrance



episodic walk

2. the main entrance

current situation

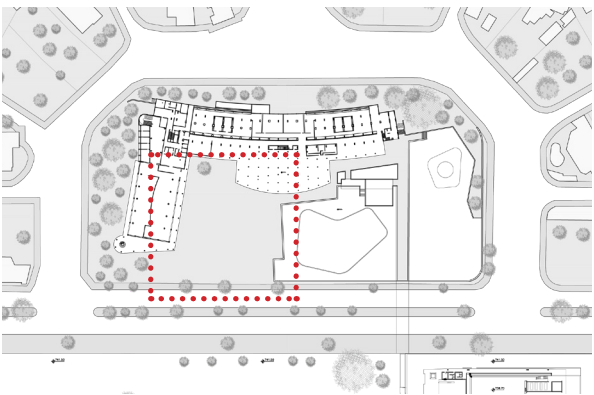


Photo by Marco Artigas



Site Visit in February 2025

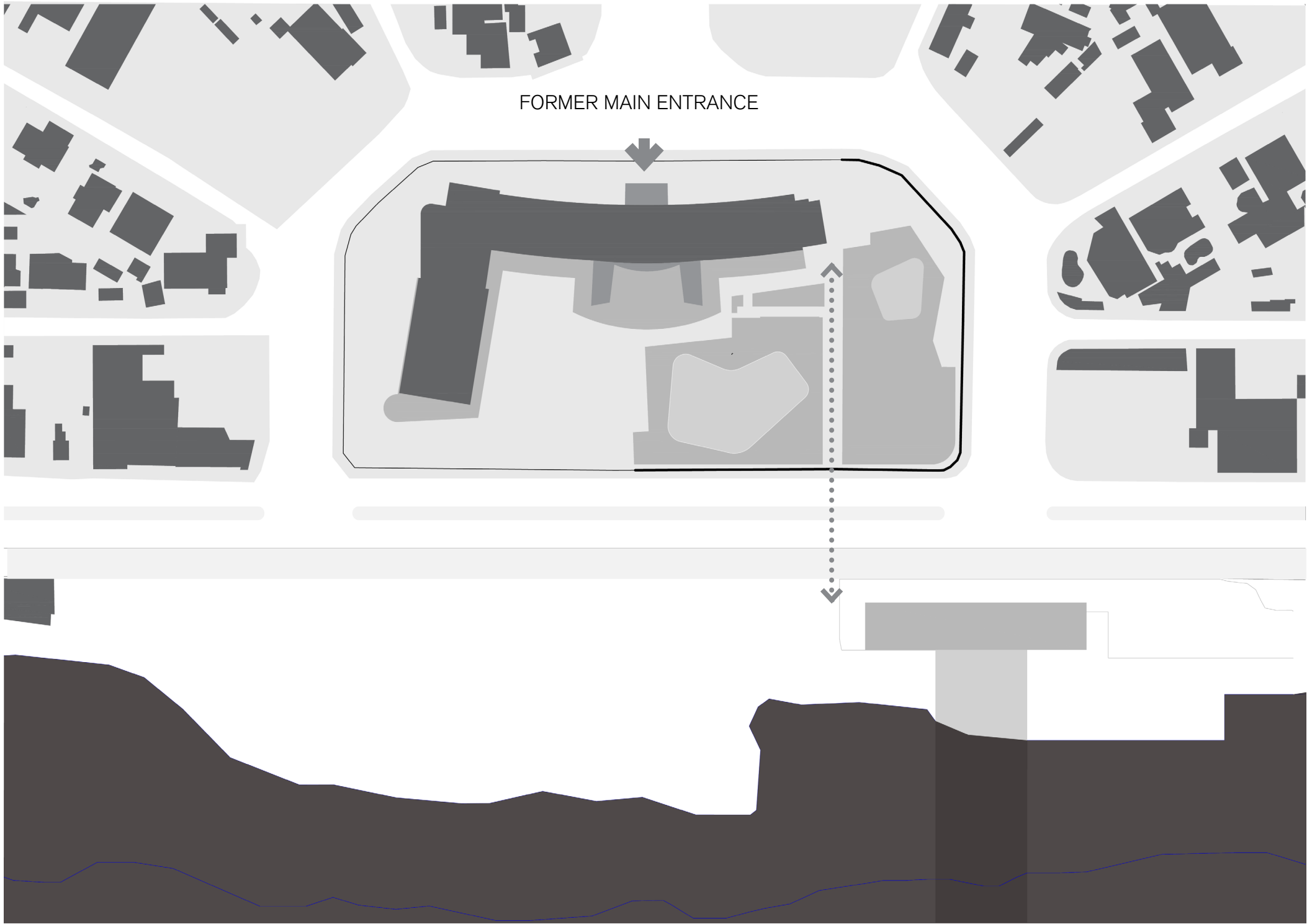


Photo by Marco Artigas

episodic walk

2. the main entrance

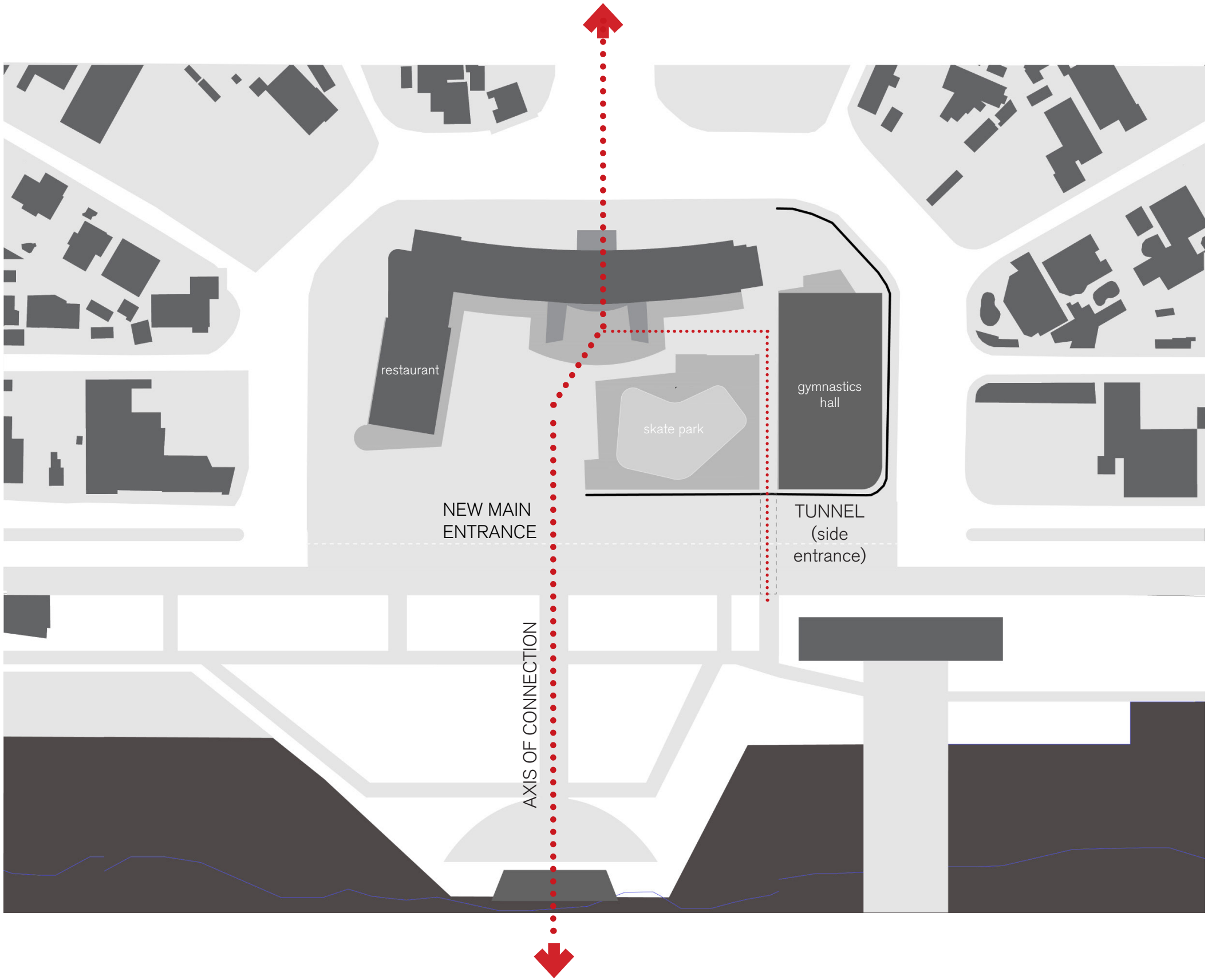
current situation



episodic walk

2. the main entrance

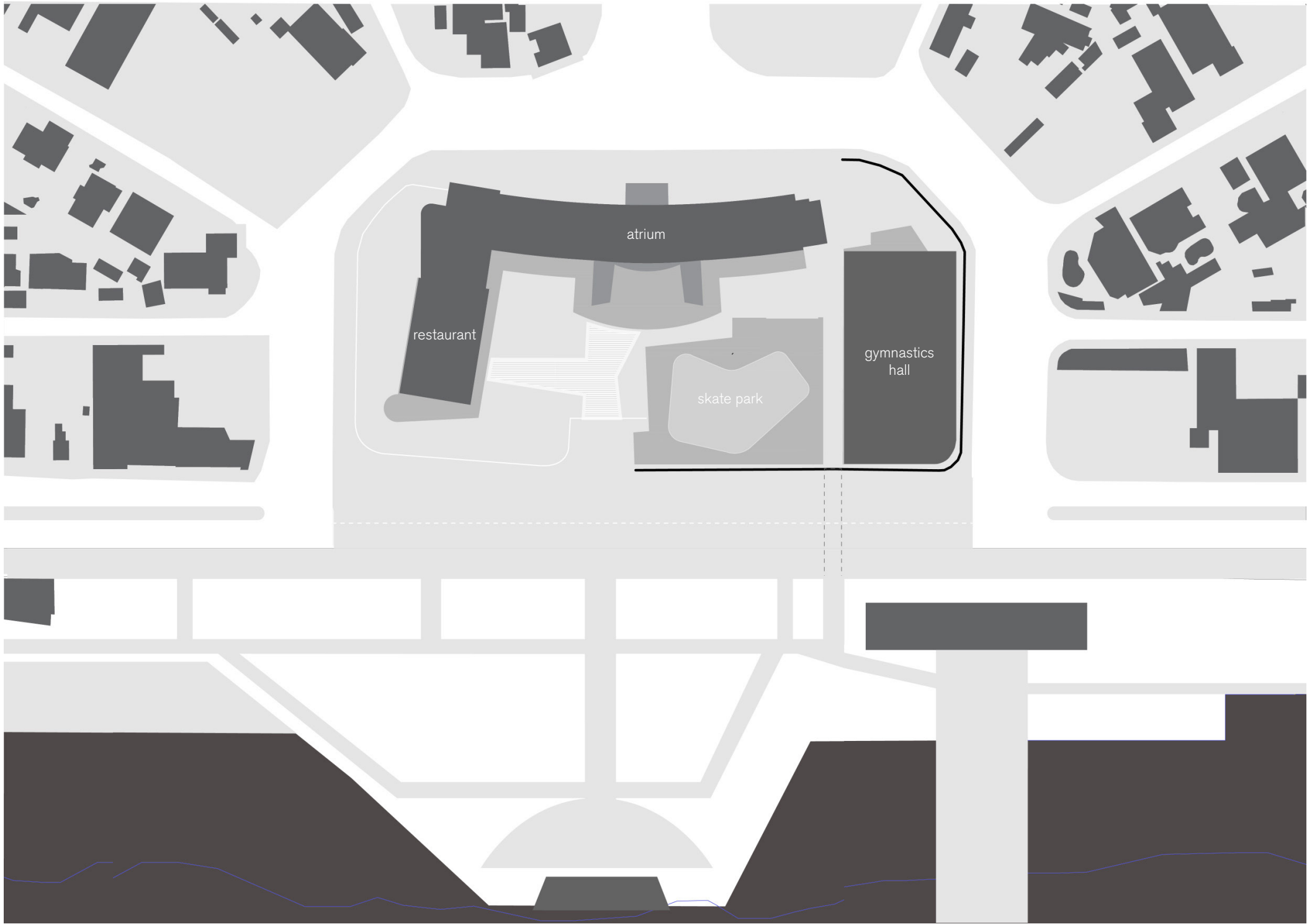
circulation



episodic walk

2. the main entrance

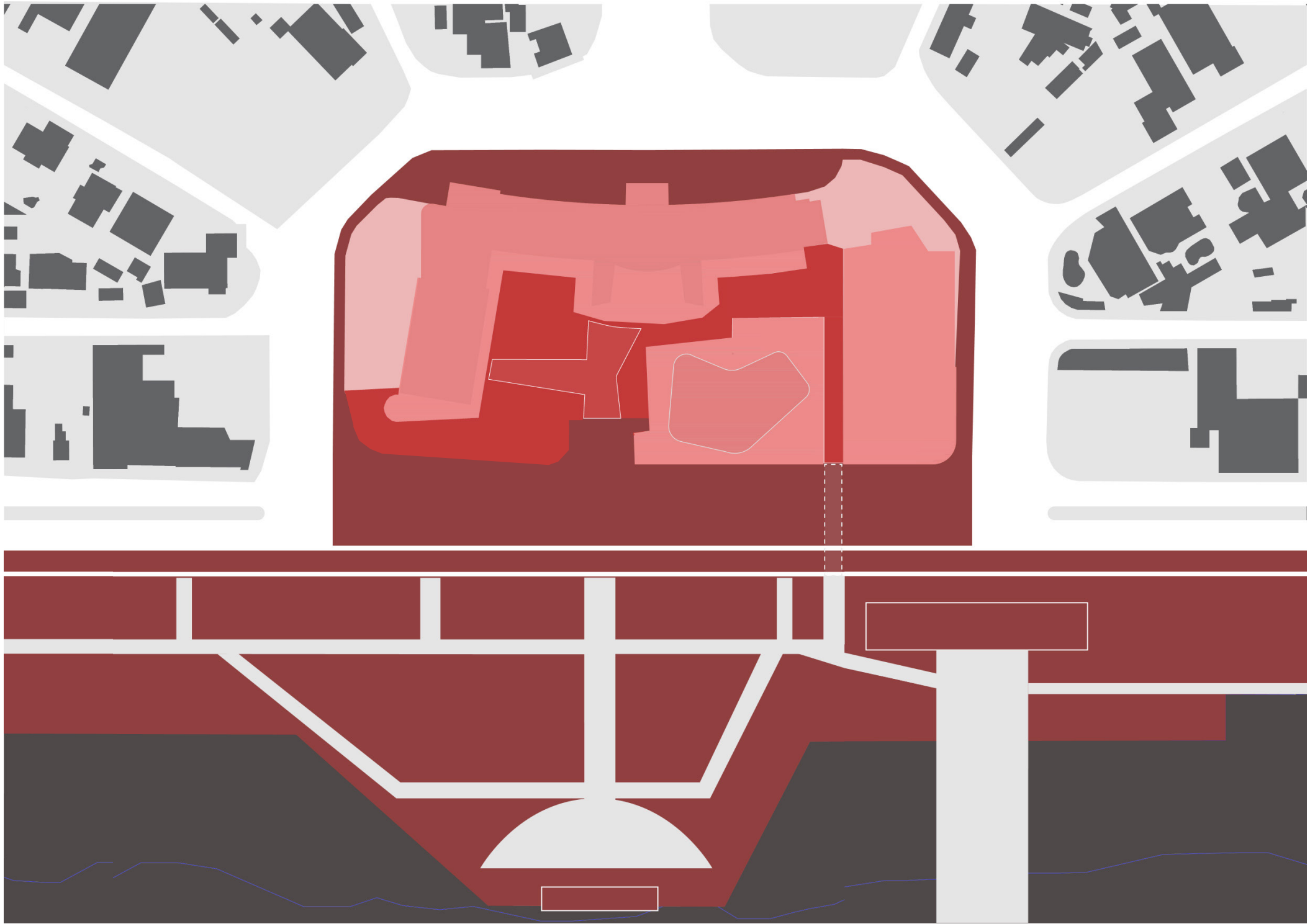
new canopy



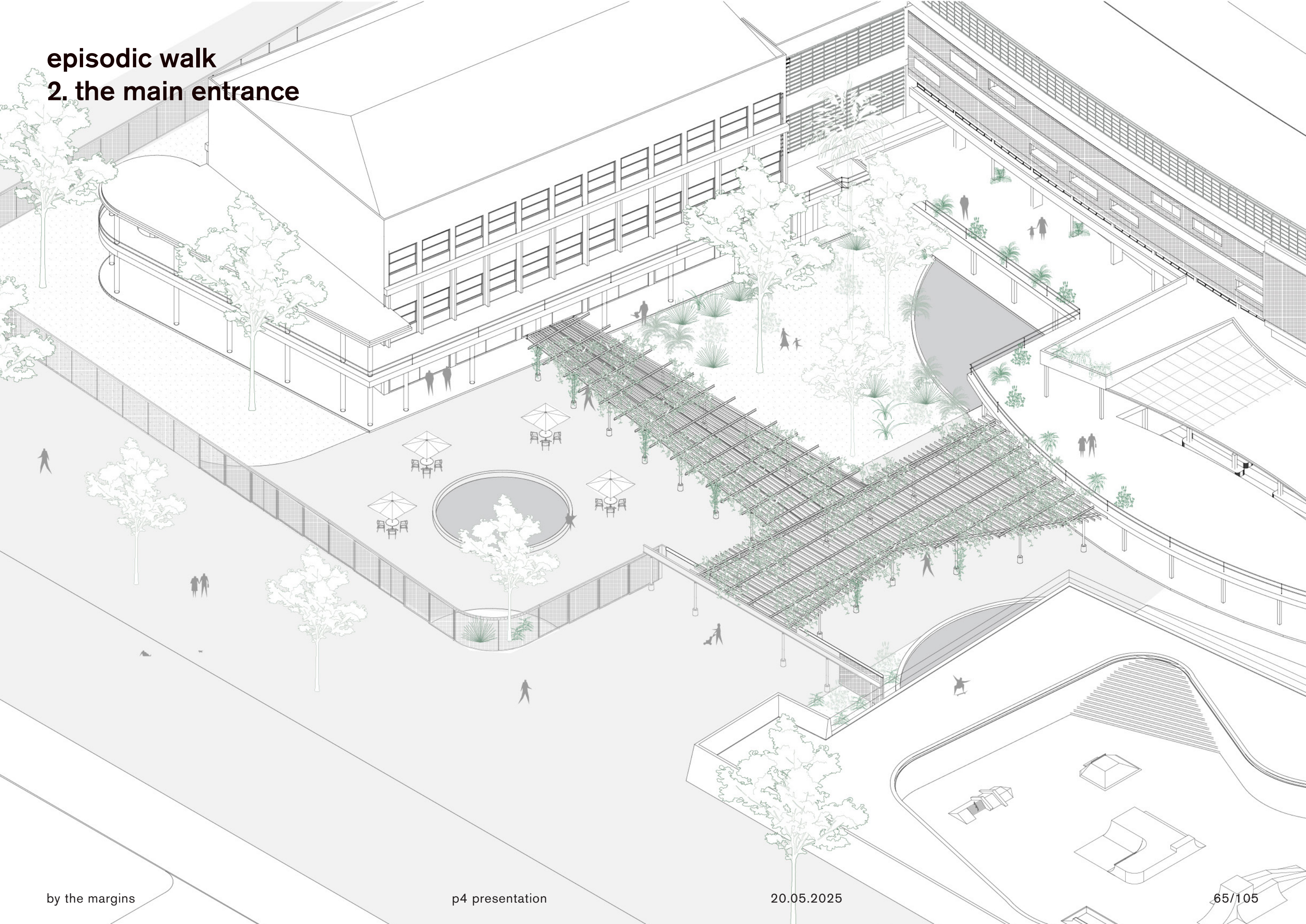
episodic walk

2. the main entrance

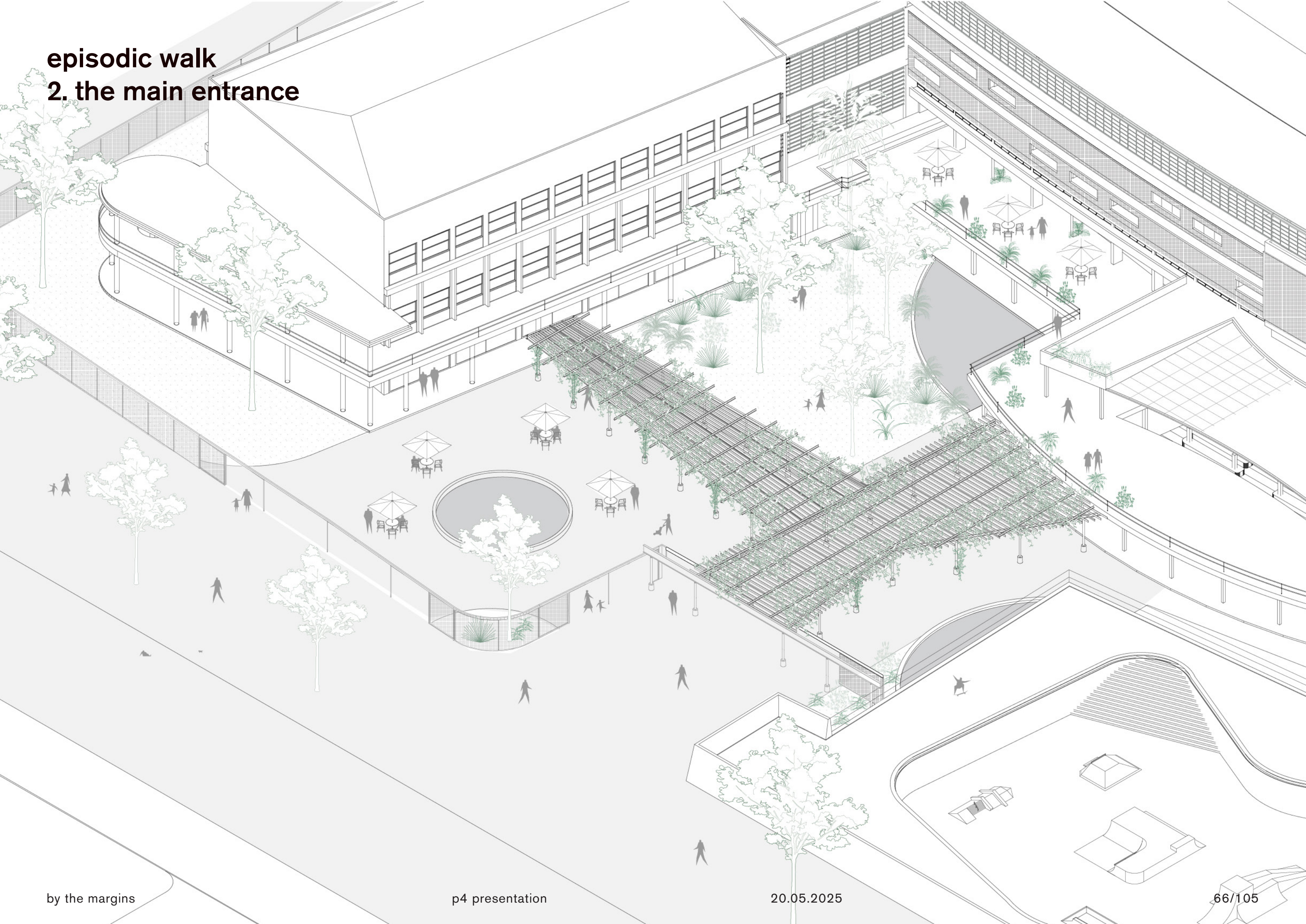
public/private definitions



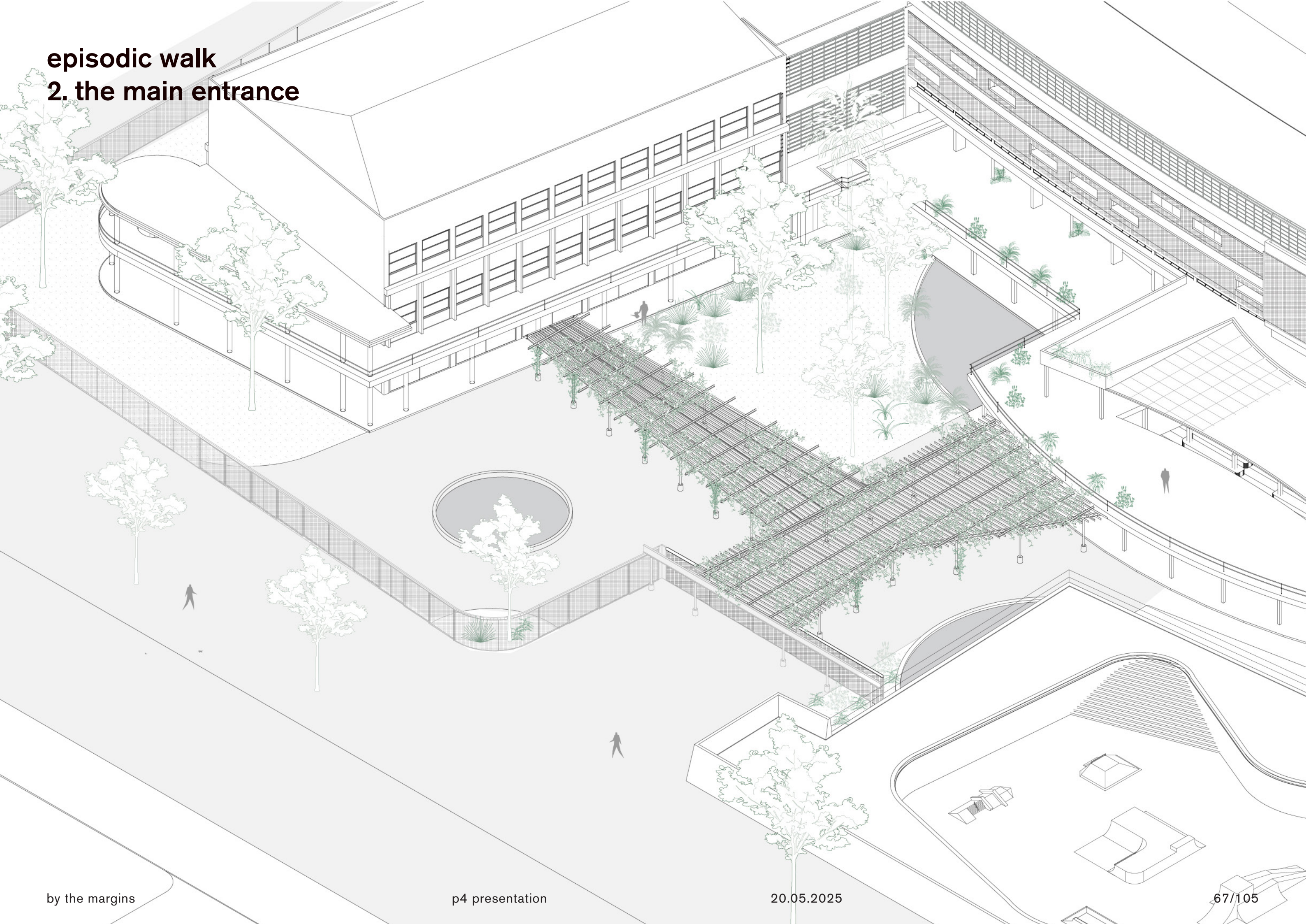
episodic walk 2. the main entrance



episodic walk 2. the main entrance



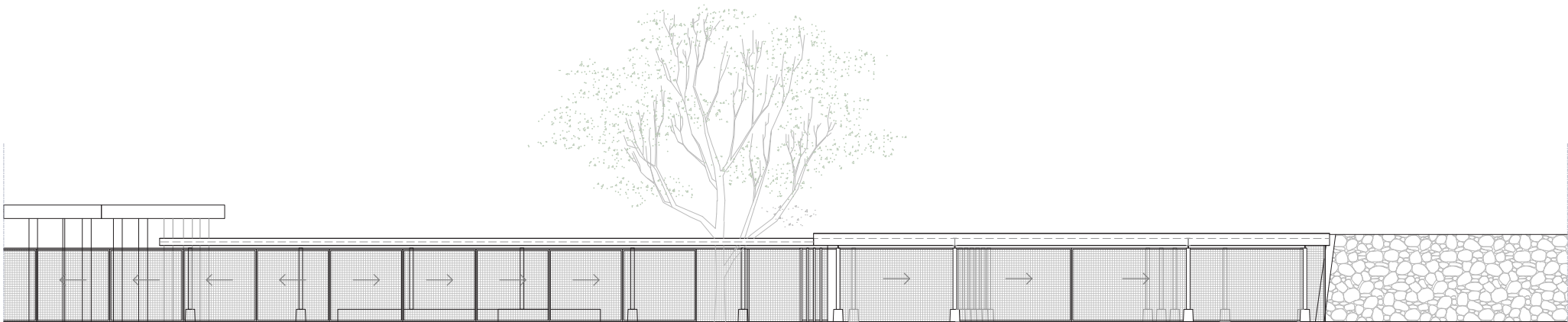
episodic walk 2. the main entrance



episodic walk

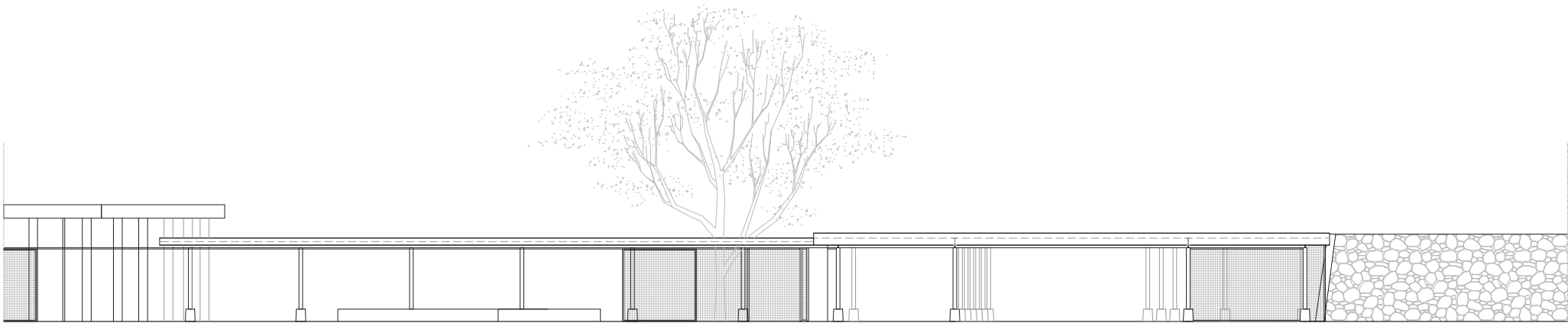
2. the main entrance

elevation



west elevation
gates closed

1:200 — 2 — 5 — 10m

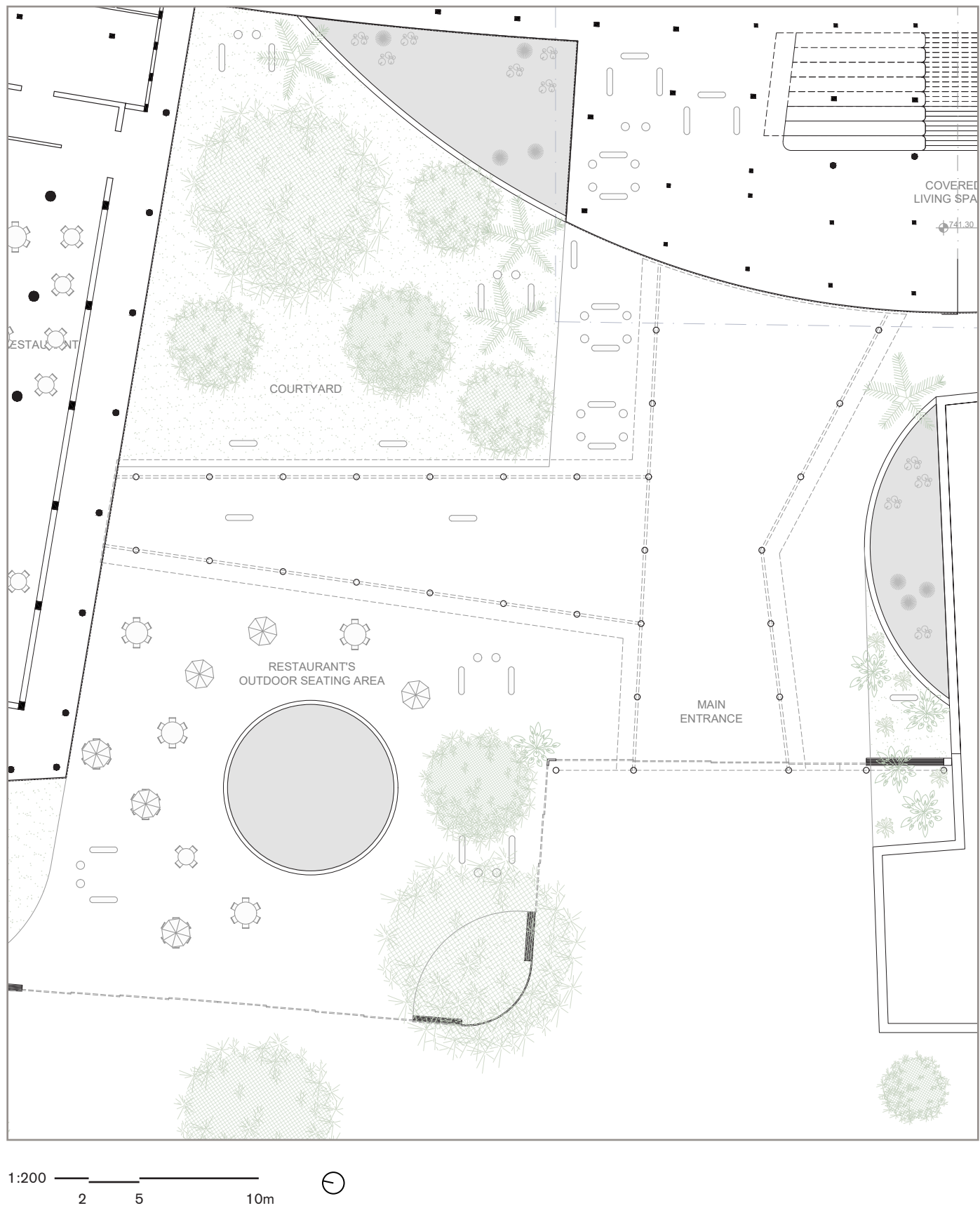


east elevation
gates open

1:200 — 2 — 5 — 10m

episodic walk
2. the main entrance

ground floor plan



episodic walk

2. the main entrance

roof plan



episodic walk
2. the entrance

materiality references

paving



existing goiás stone flooring
to be preserved

walls / structure



round steel pillars painted in white



gates/fence in metal grid painted white

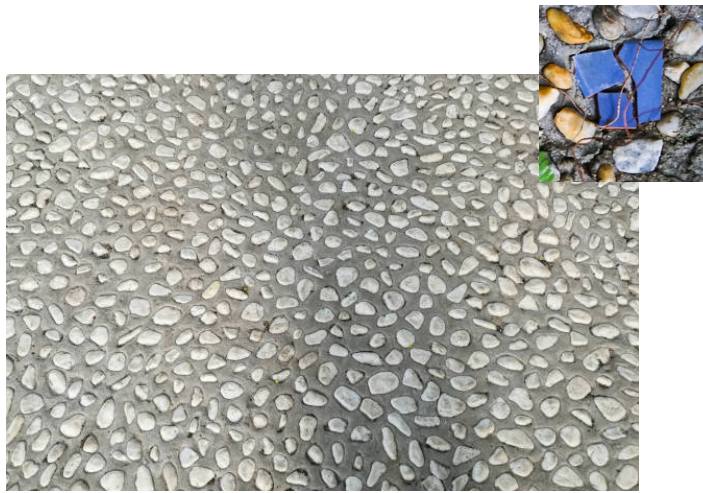
roof



pergola in white steel



“fulget” unpolished terrazzo flooring

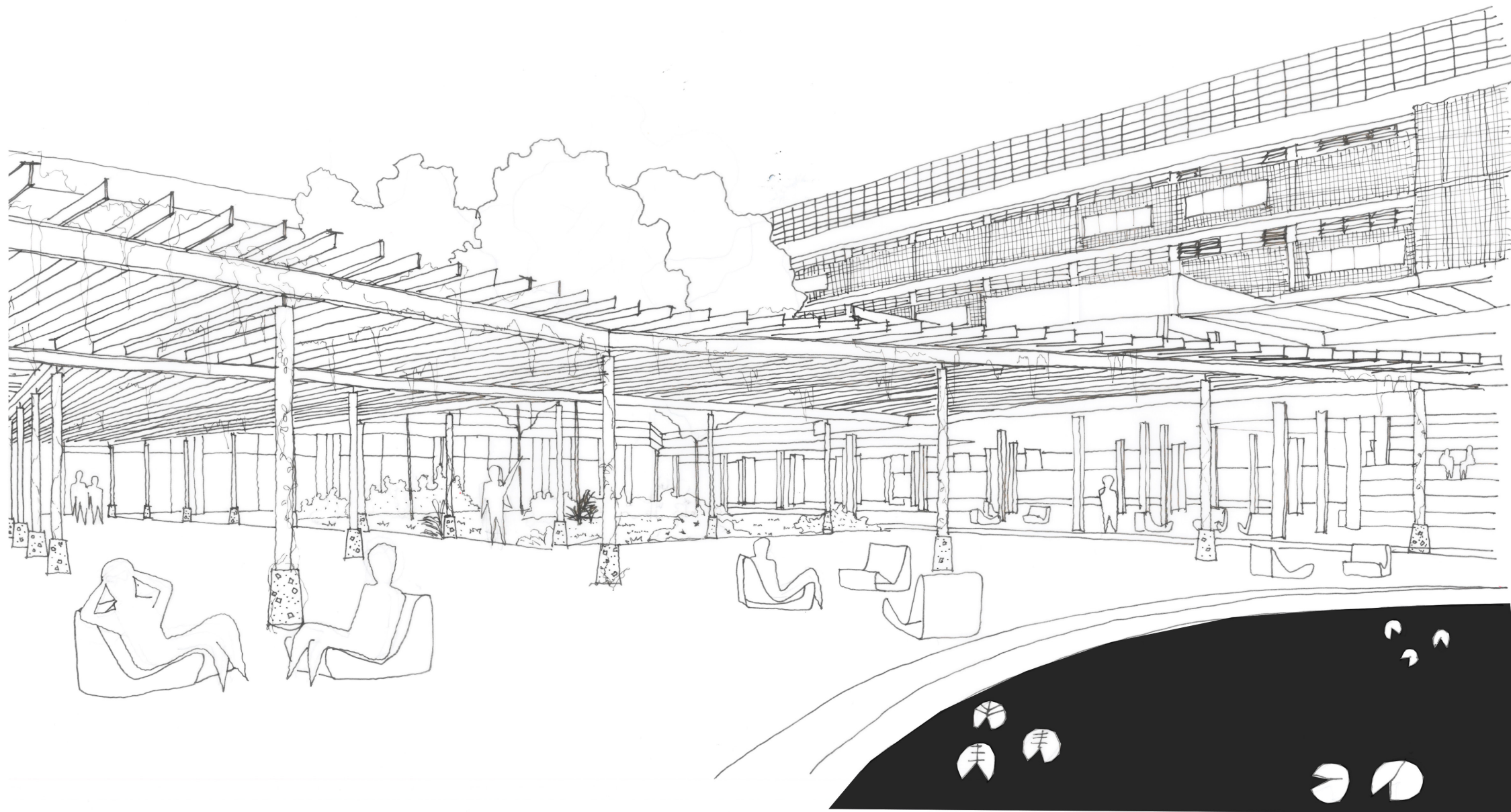


pillar base in concrete structure mixed with
pebbles and demolition material



sun protection louver in polycarbonate

episodic walk 2. the main entrance



episodic walk #3

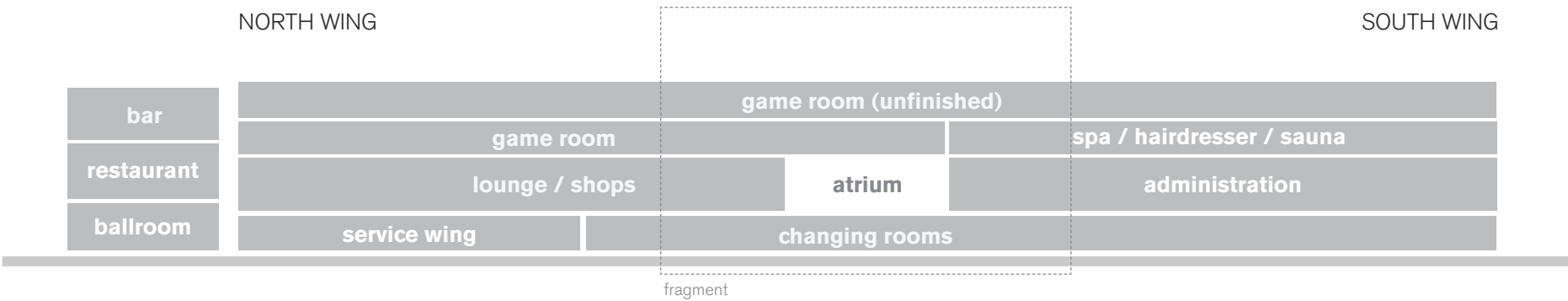
**passages & permanences
between
the existing & the intervention**

the atrium

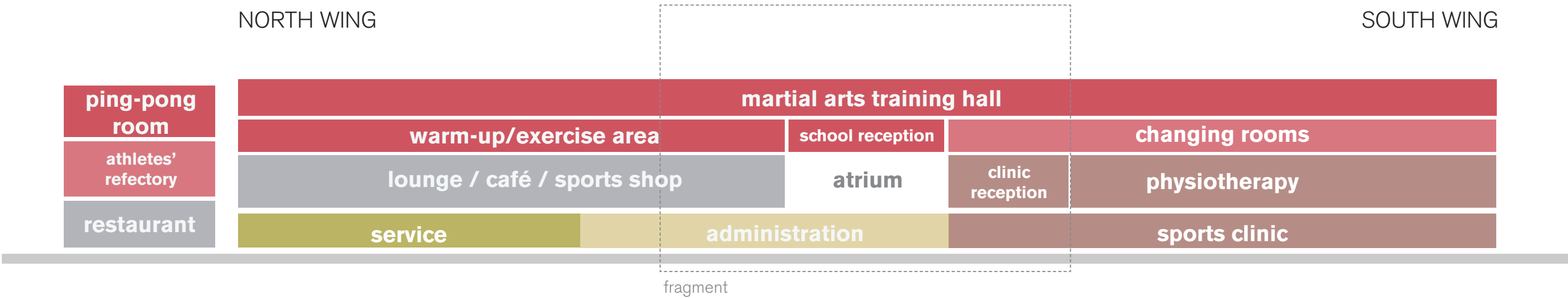
episodic walk

3. the atrium

new uses



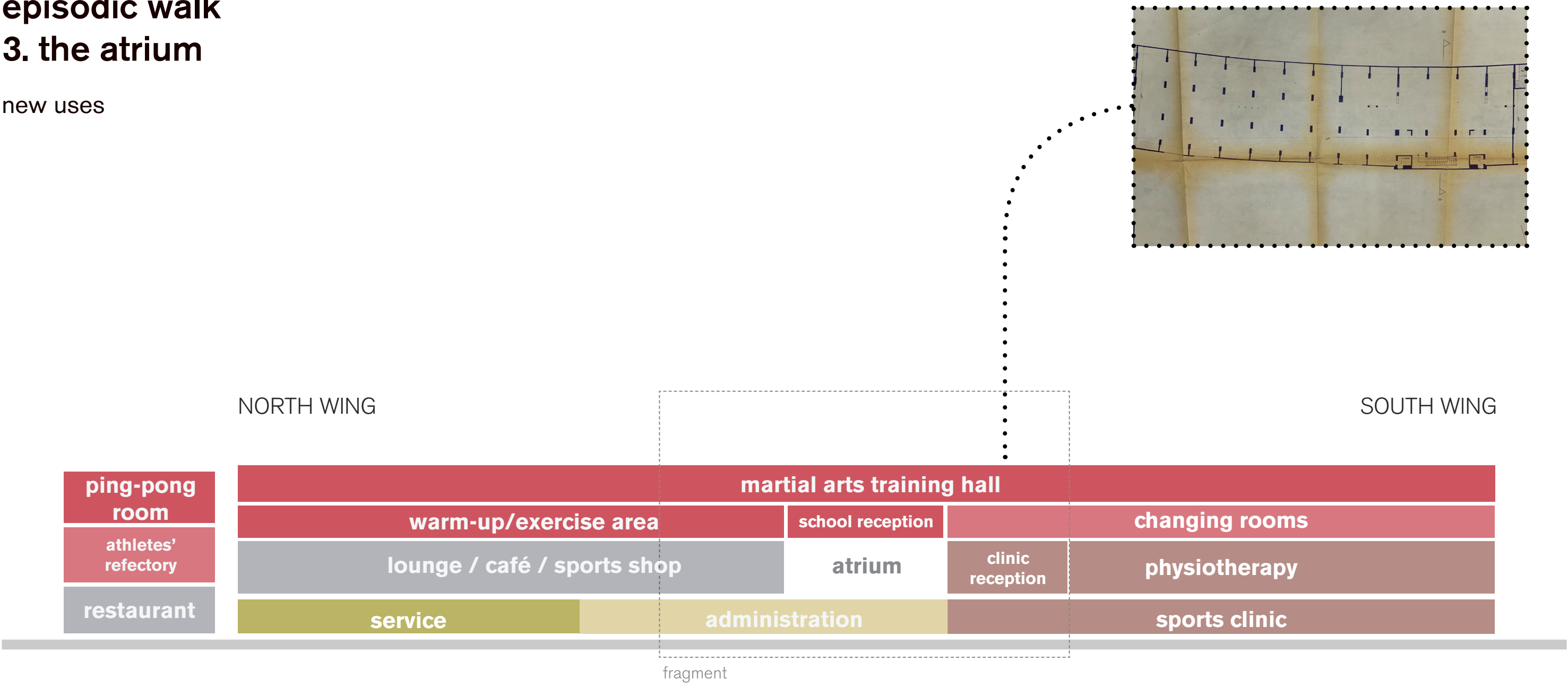
ORIGINAL USES



NEW PROPOSED USES

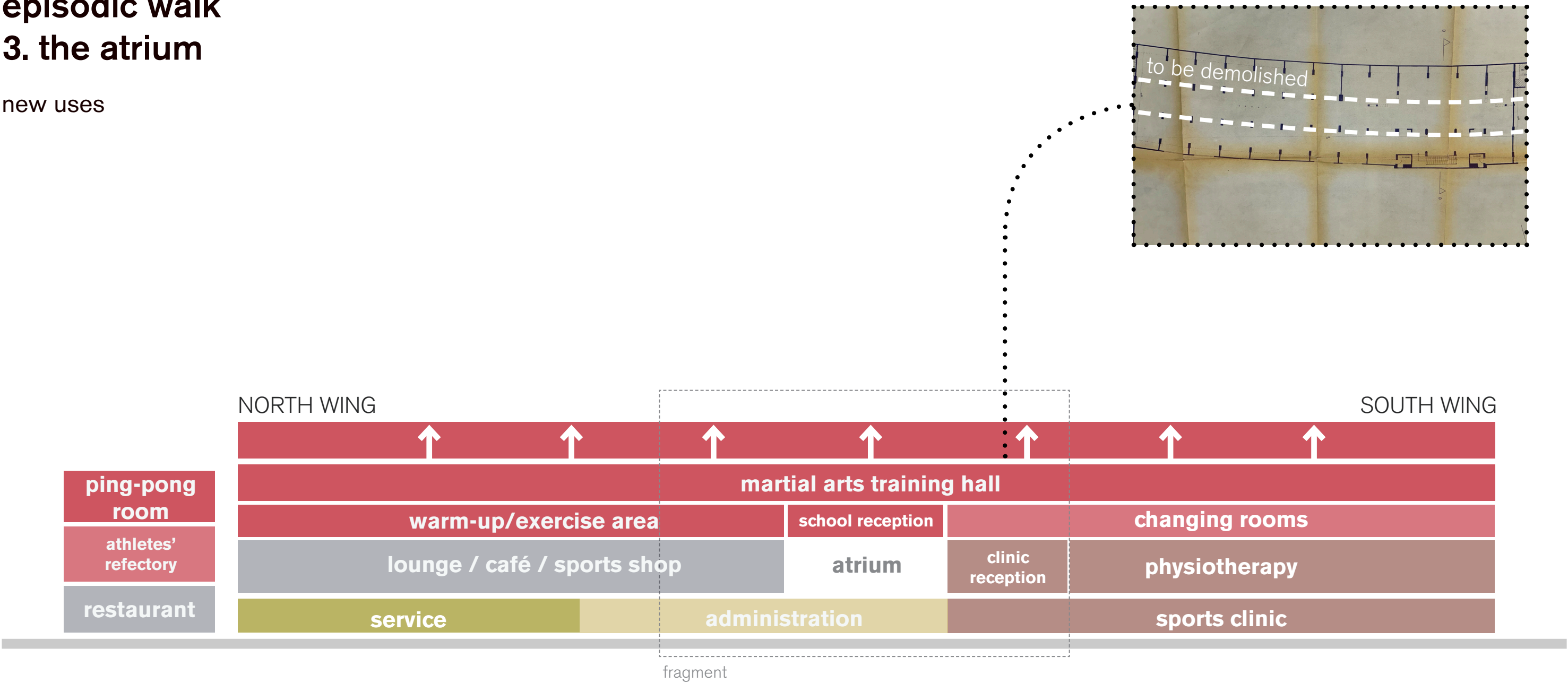
episodic walk
3. the atrium

new uses



episodic walk
3. the atrium

new uses



episodic walk

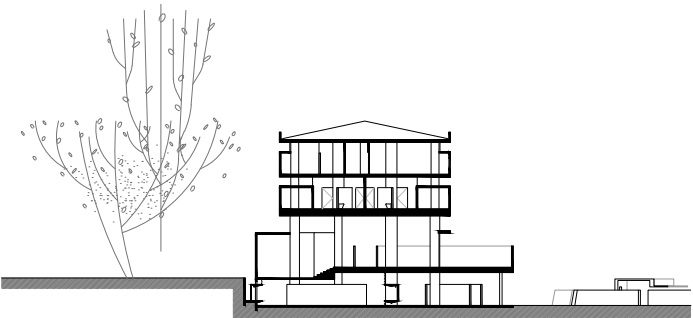
3. the atrium

volumetry

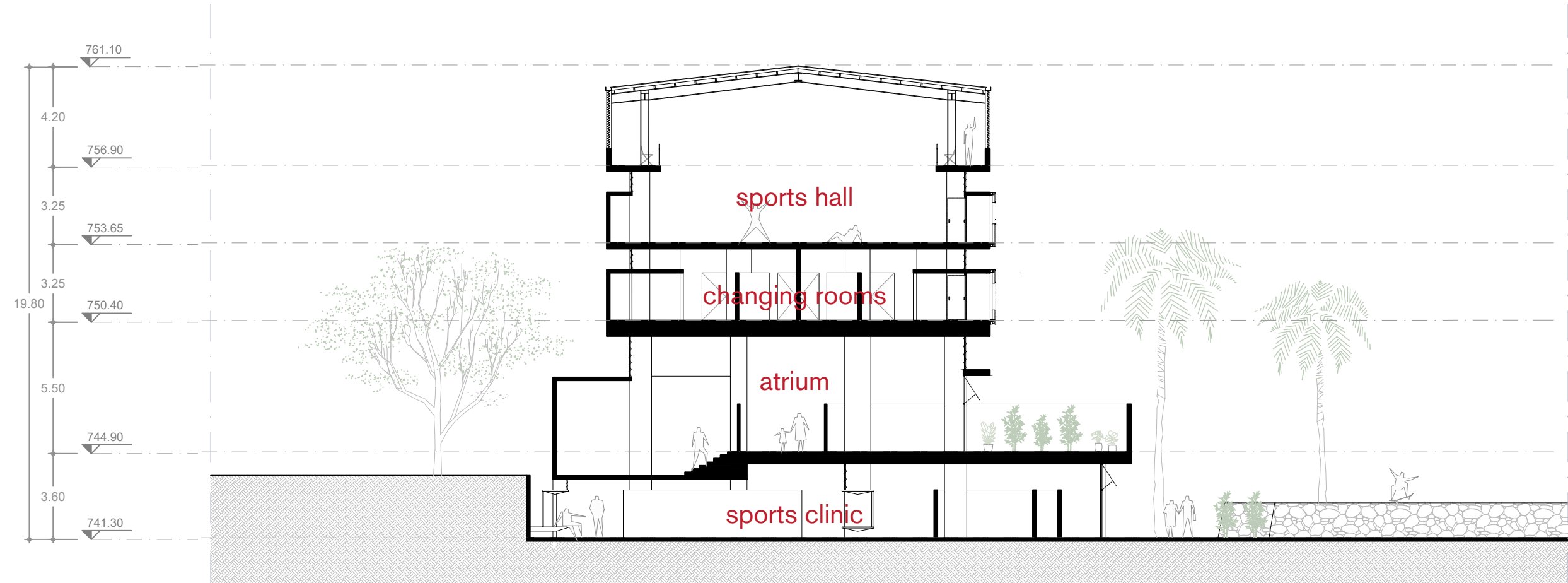


episodic walk
3. the atrium

cross section



original proposal

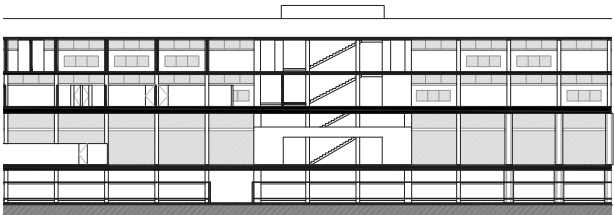


cross section B

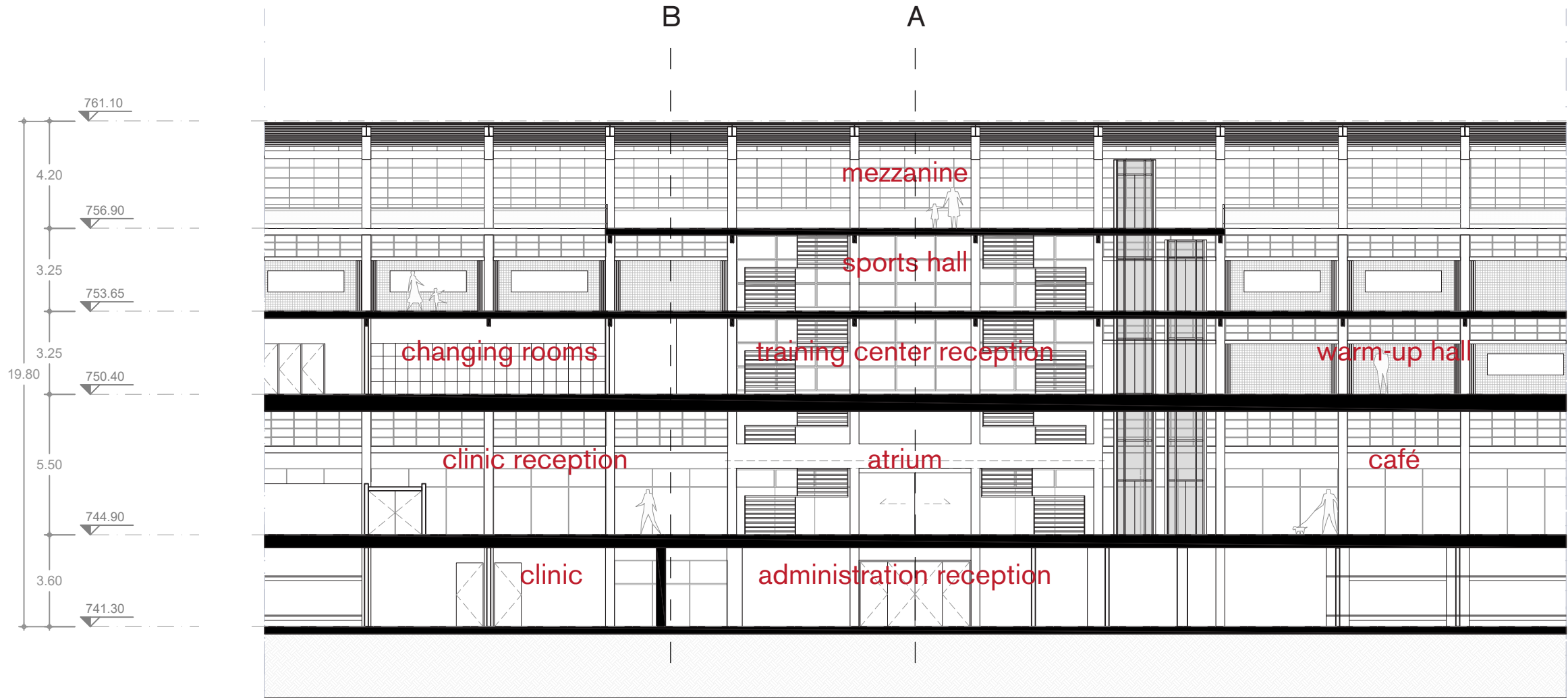


episodic walk
3. the atrium

cross section



original proposal

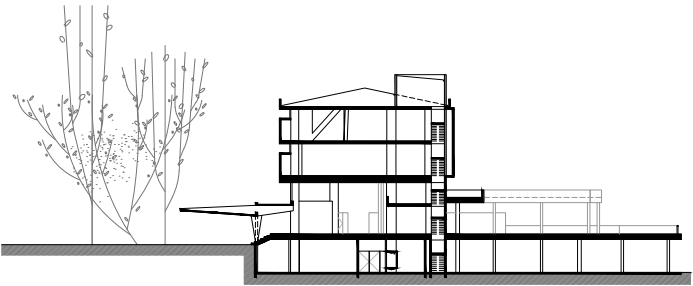


longitudinal section C

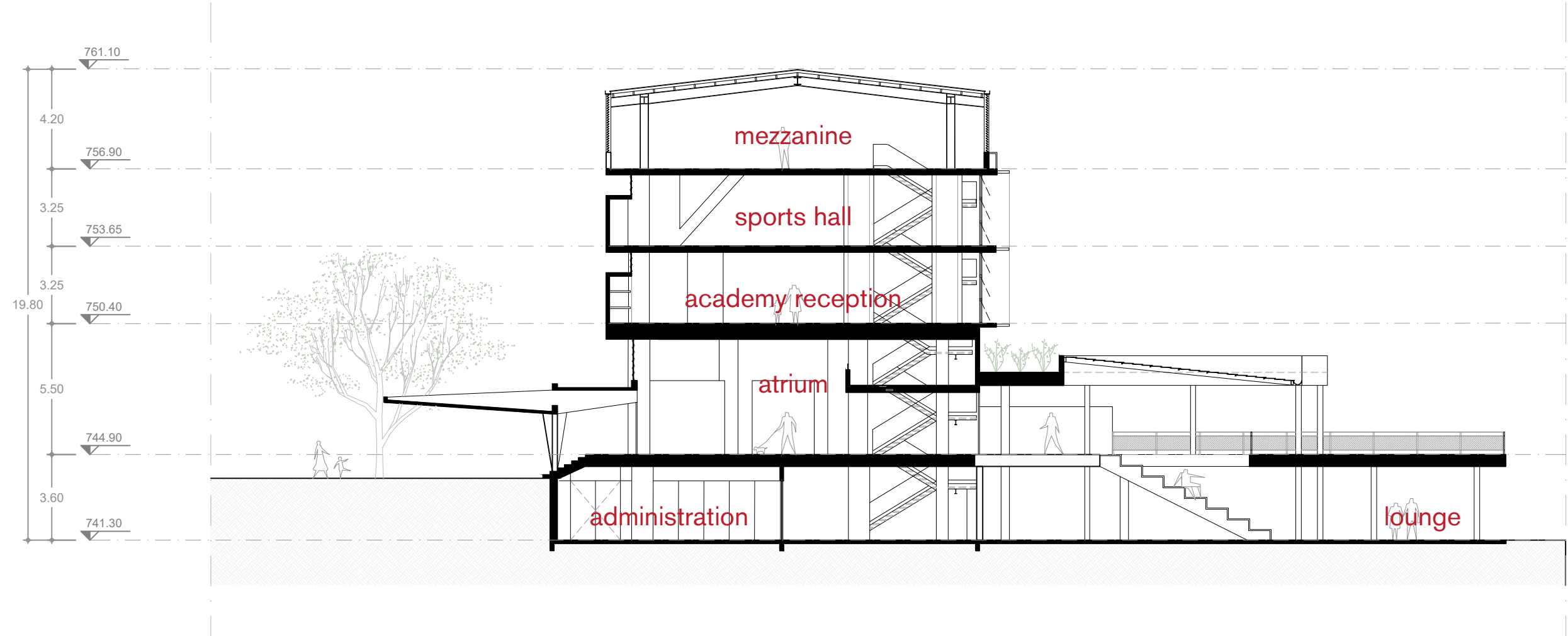


episodic walk
3. the atrium

cross section



original proposal

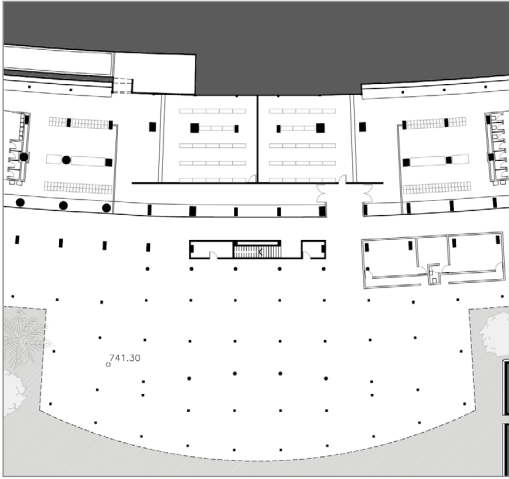
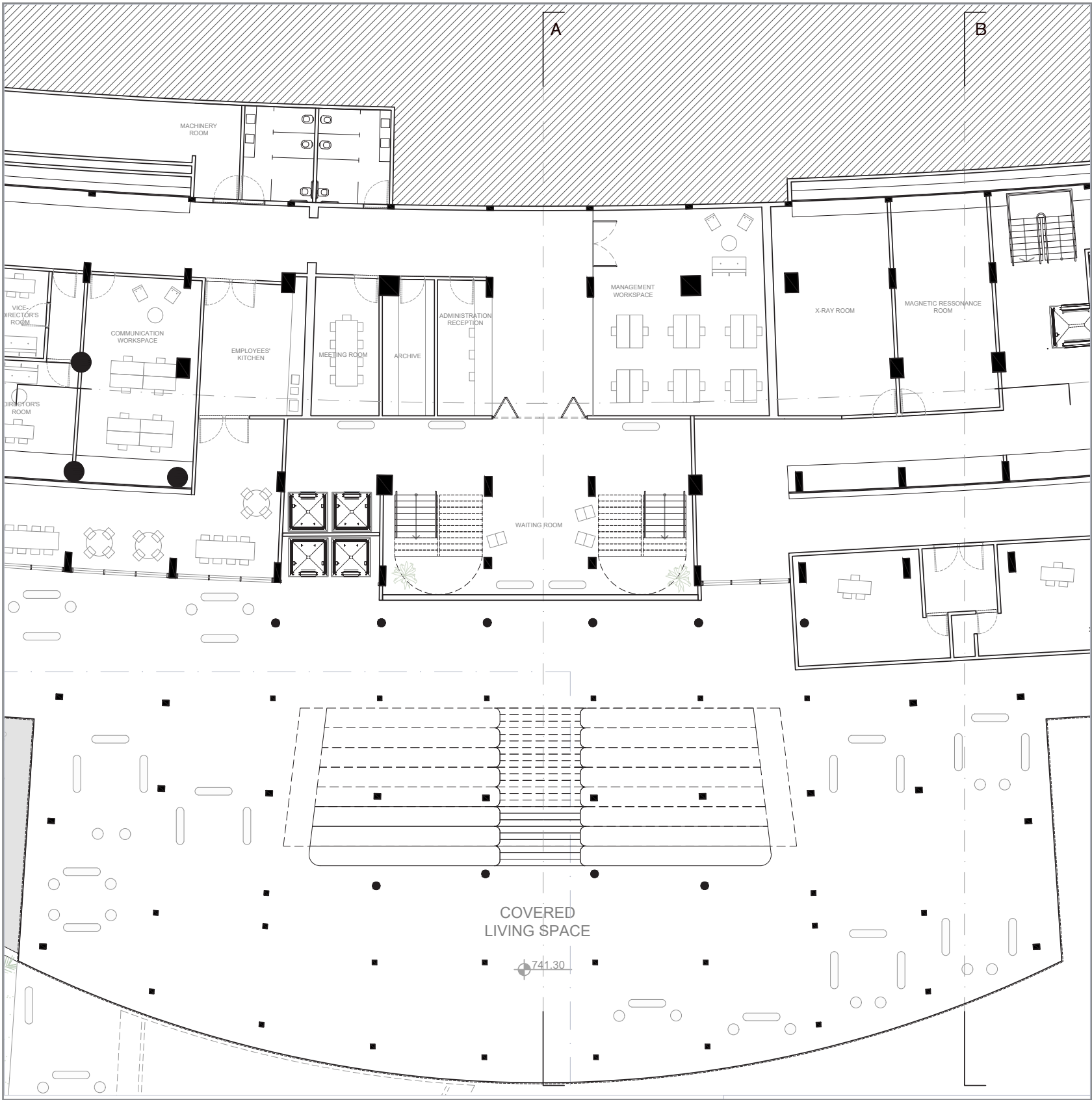


cross section A



episodic walk
3. the atrium

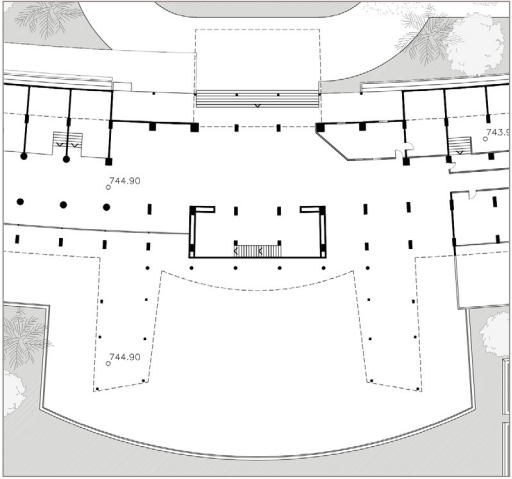
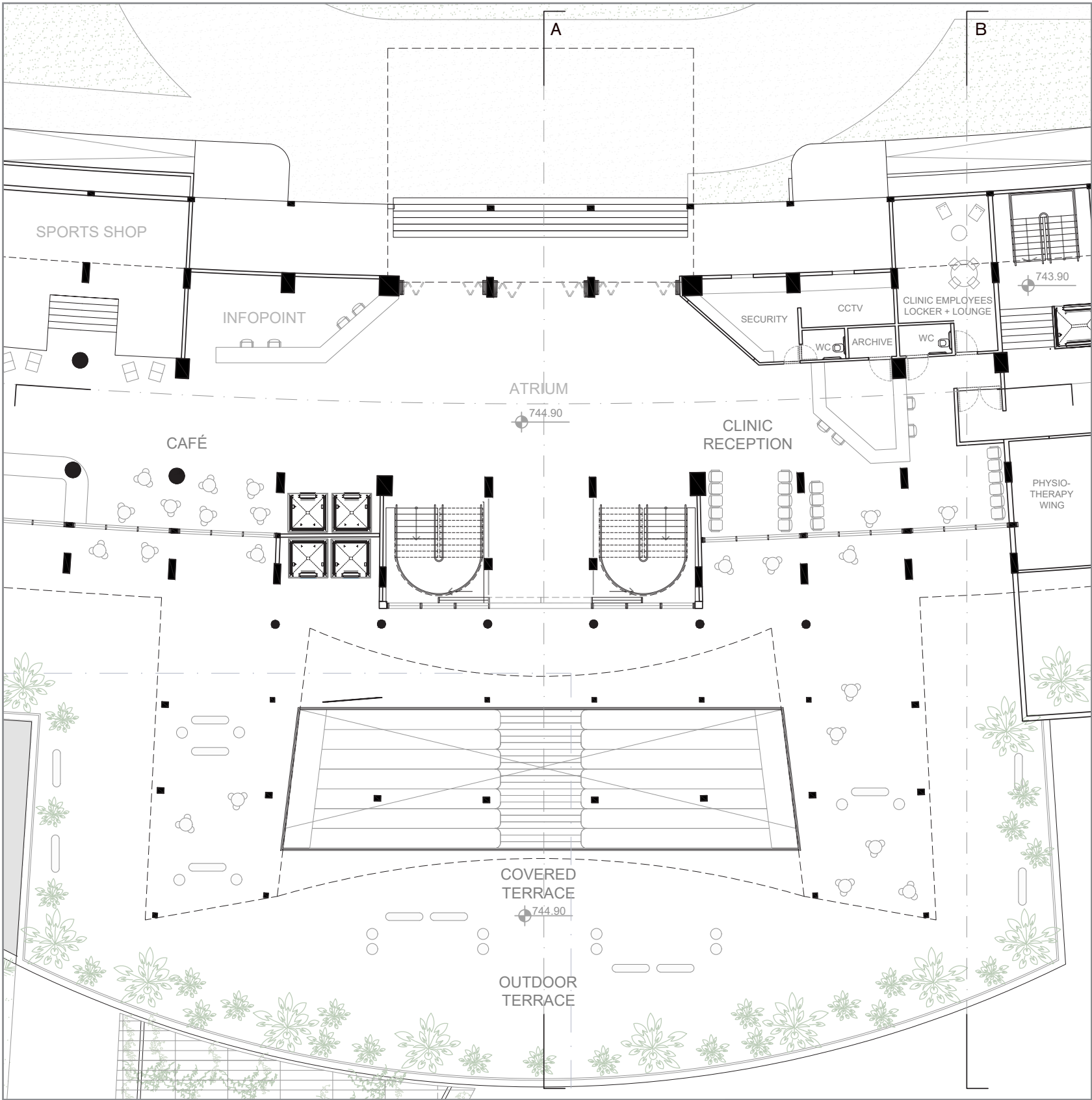
plan - first floor



original proposal

episodic walk
3. the atrium

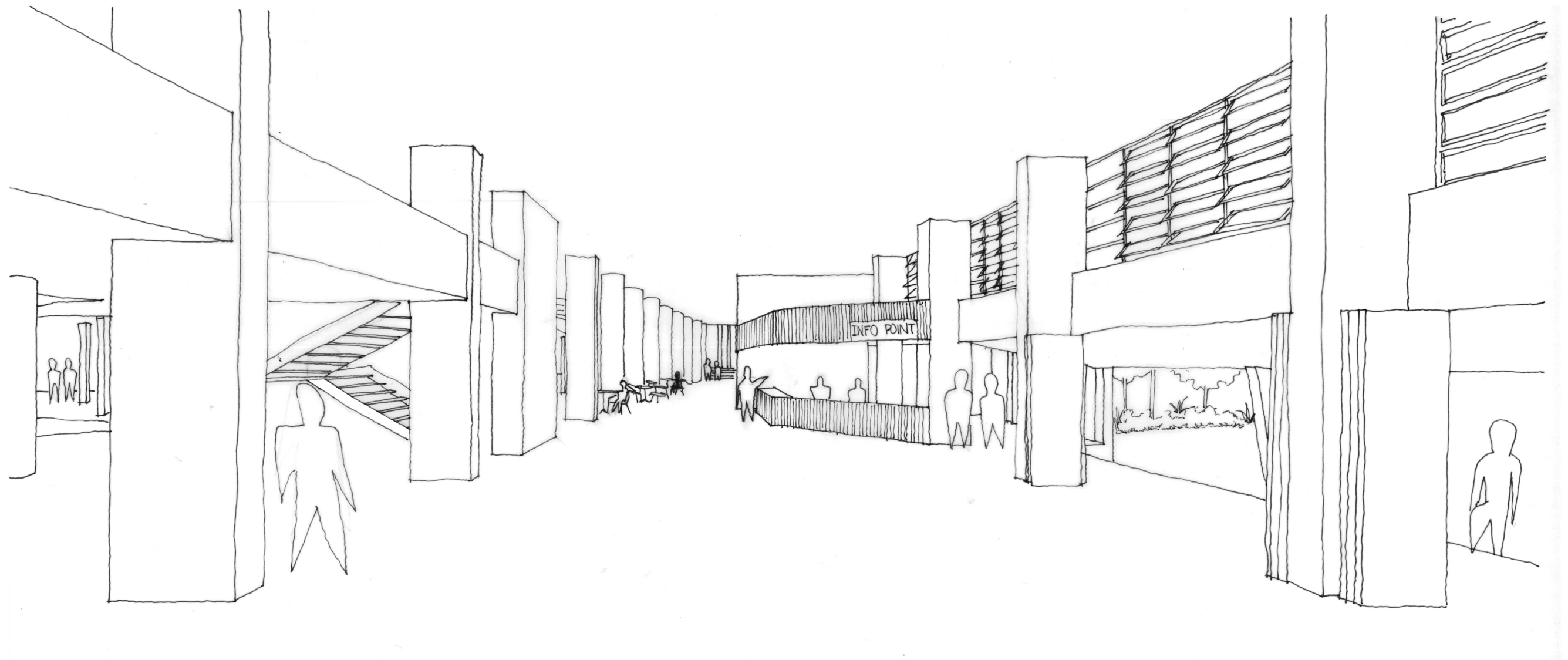
plan - second floor



original proposal

episodic walk

3. the atrium

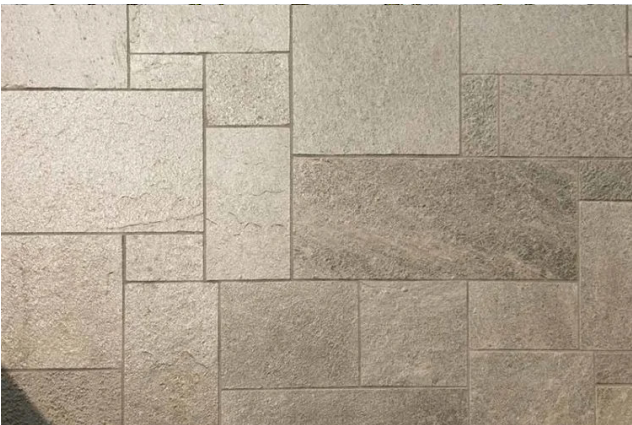


episodic walk
3. the atrium

materiality references



paving



existing goiás stone flooring
to be preserved

walls / structure



renovation of texturized plaster
painted white

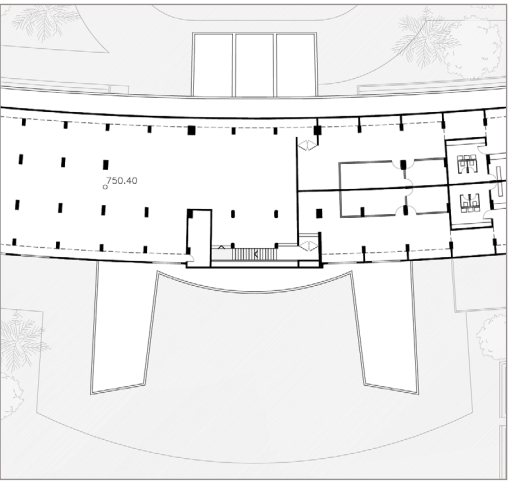
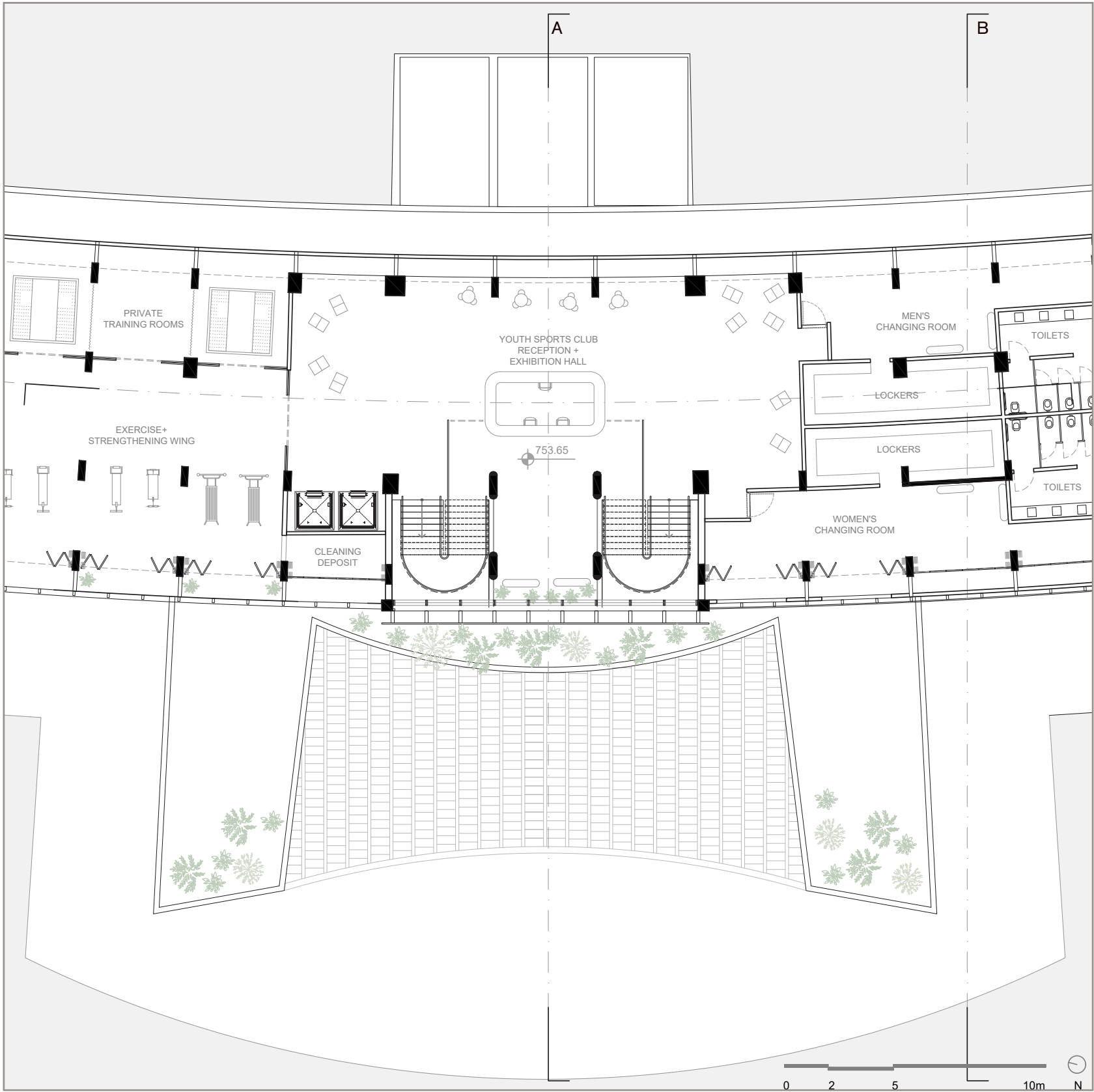
roof



renovation of texturized plaster
painted white

episodic walk
3. the atrium

plan - third floor



original proposal

1:200 0 2 5 10m N

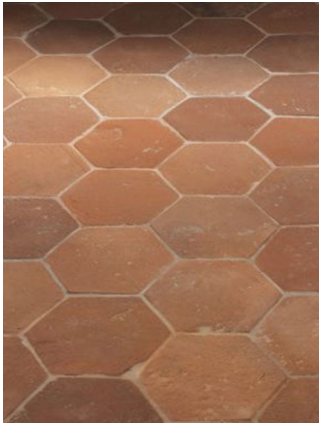
episodic walk

3. the atrium

materiality references



paving



terracota tiles in good state to be preserved

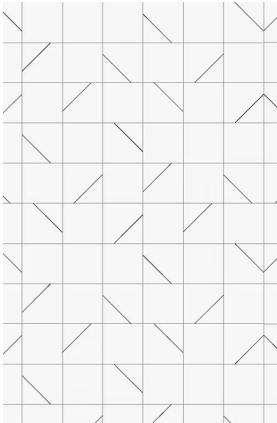


new white tiles to fill missing spots

walls / structure



light blue porcelain tiles to be preserved



new white tiles to fill missing spots

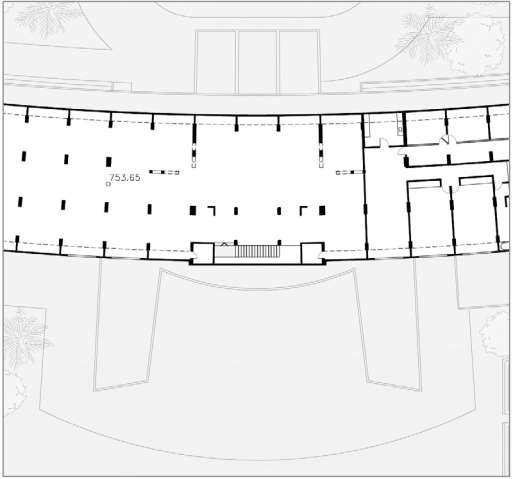
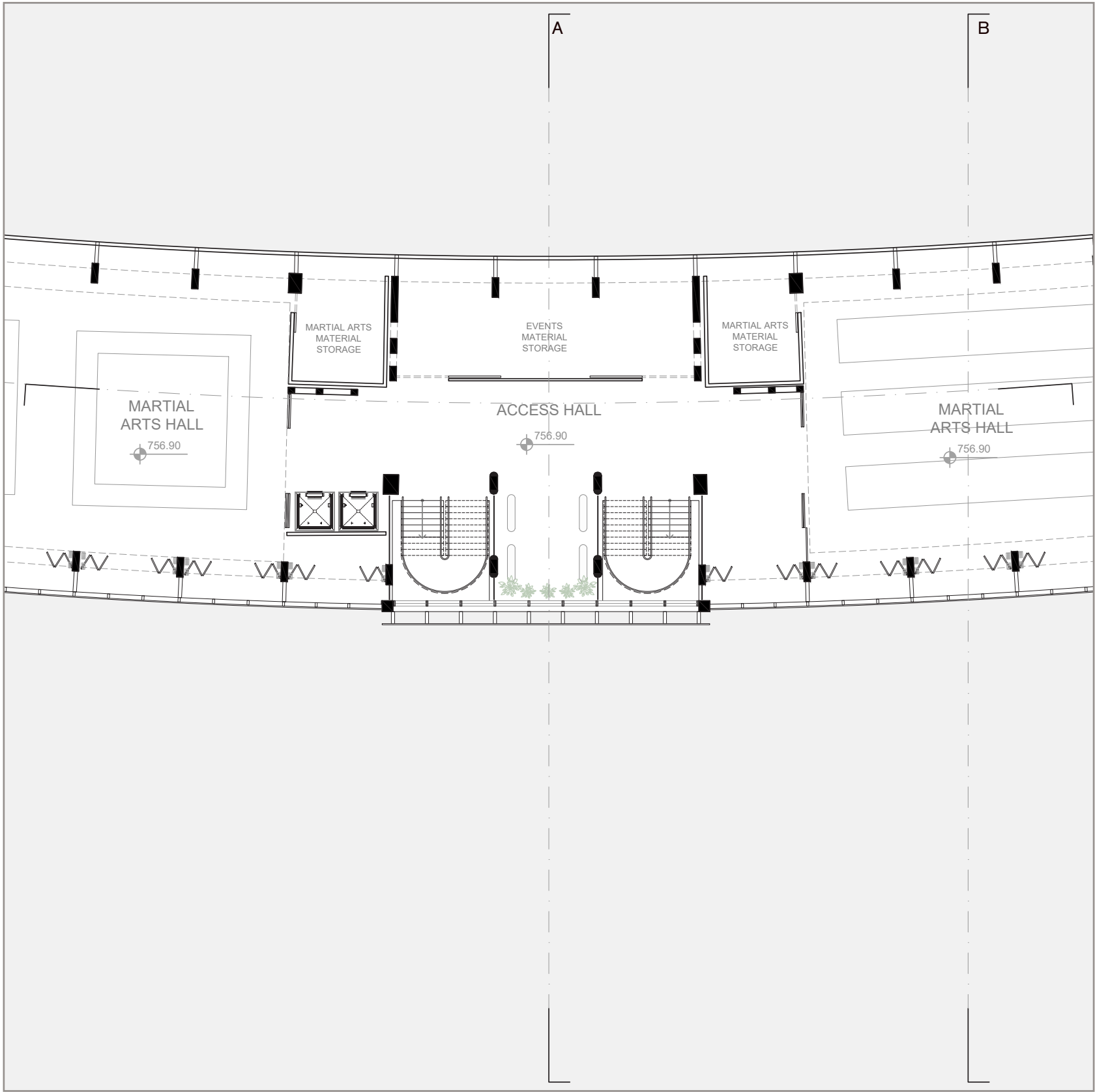
roof



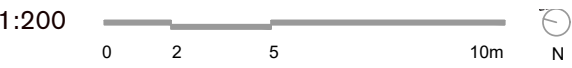
renovation of texturized plaster painted white

episodic walk
3. the atrium

plan - fourth floor

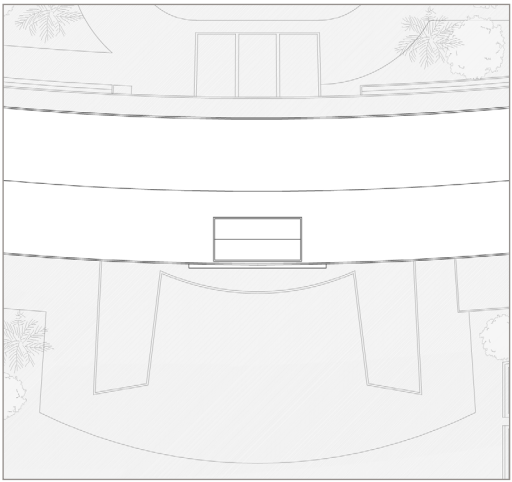
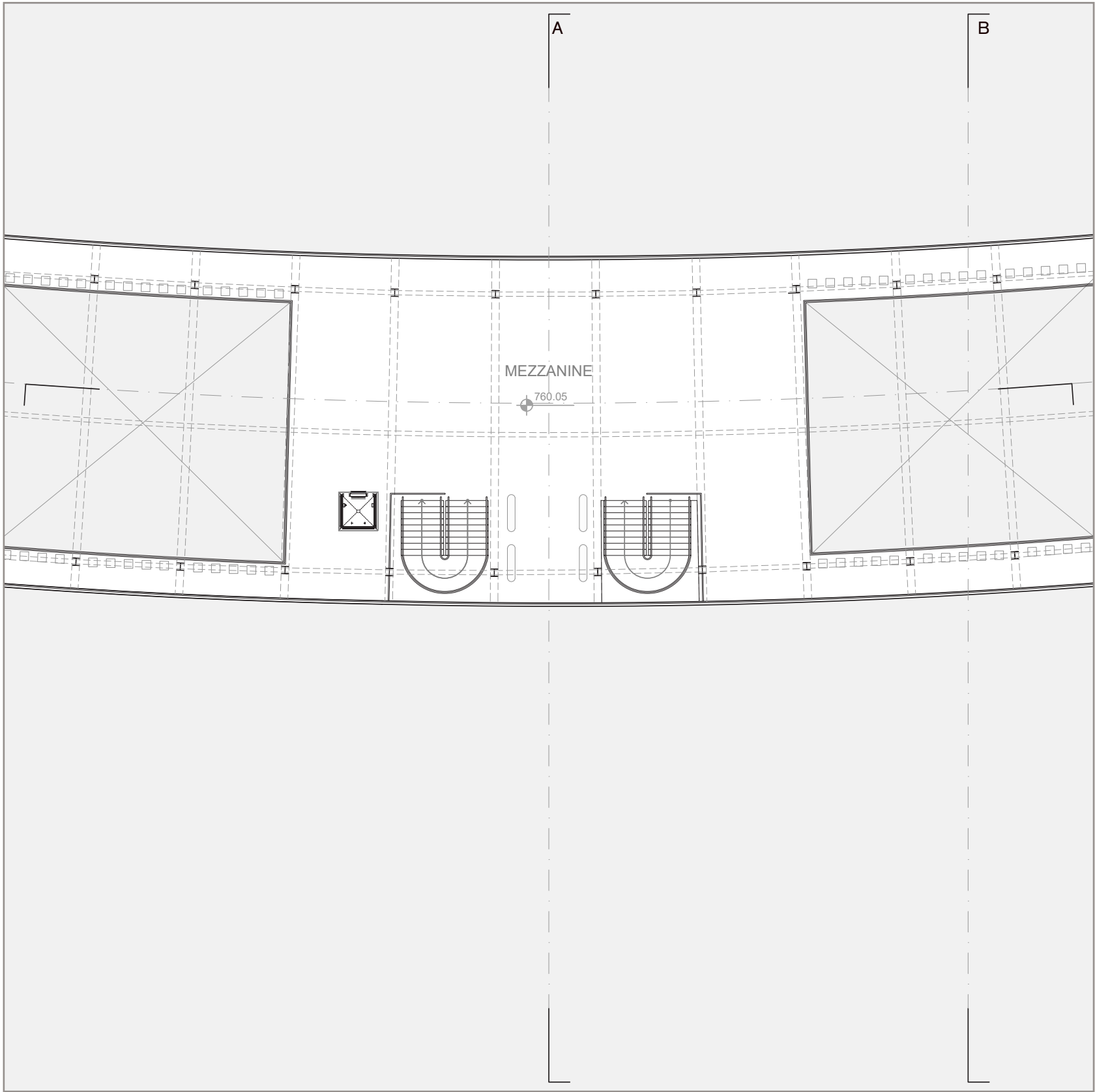


original proposal

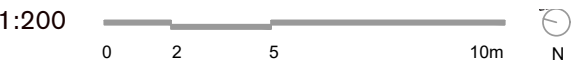


episodic walk
3. the atrium

plan - mezzanine



original proposal

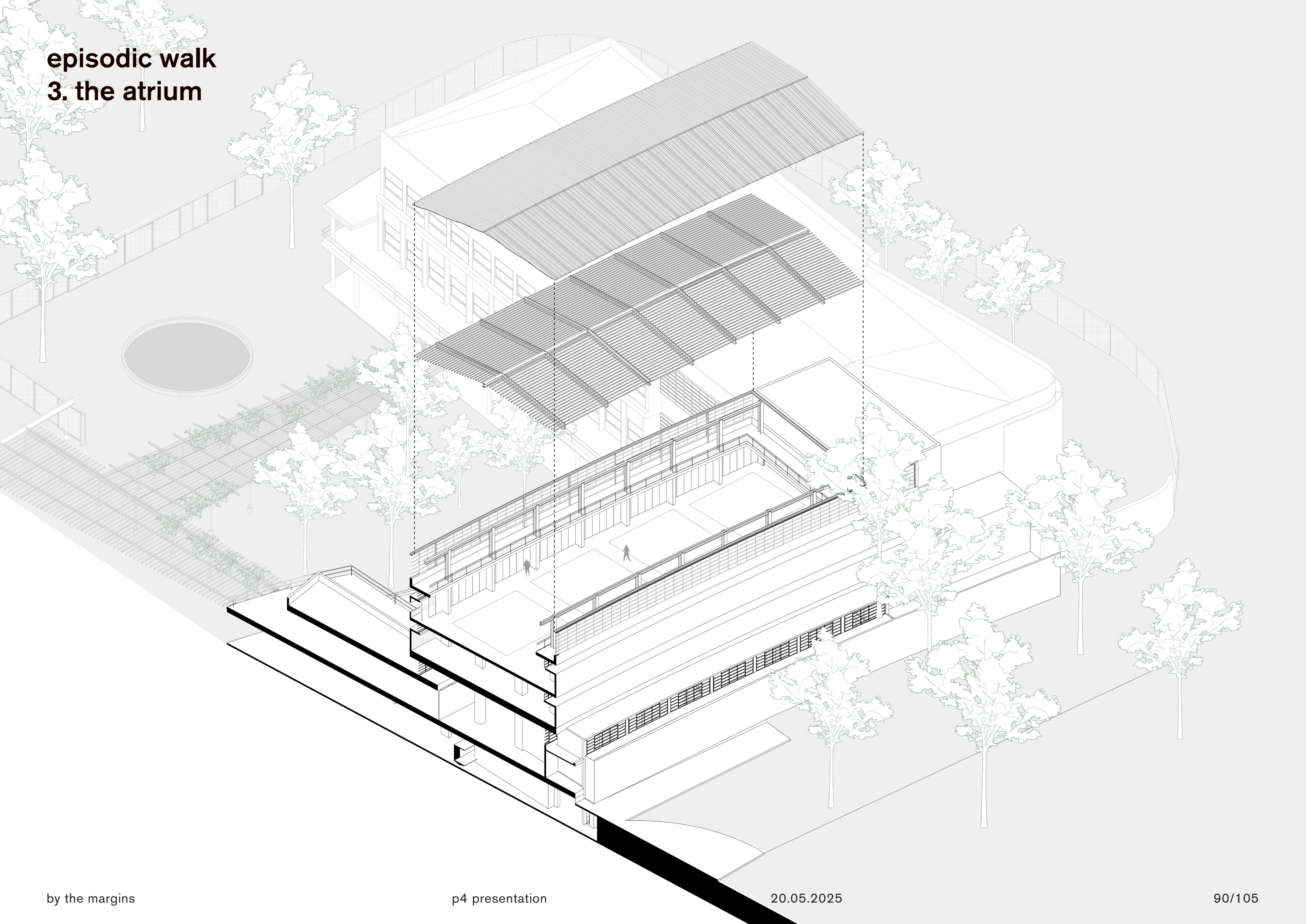


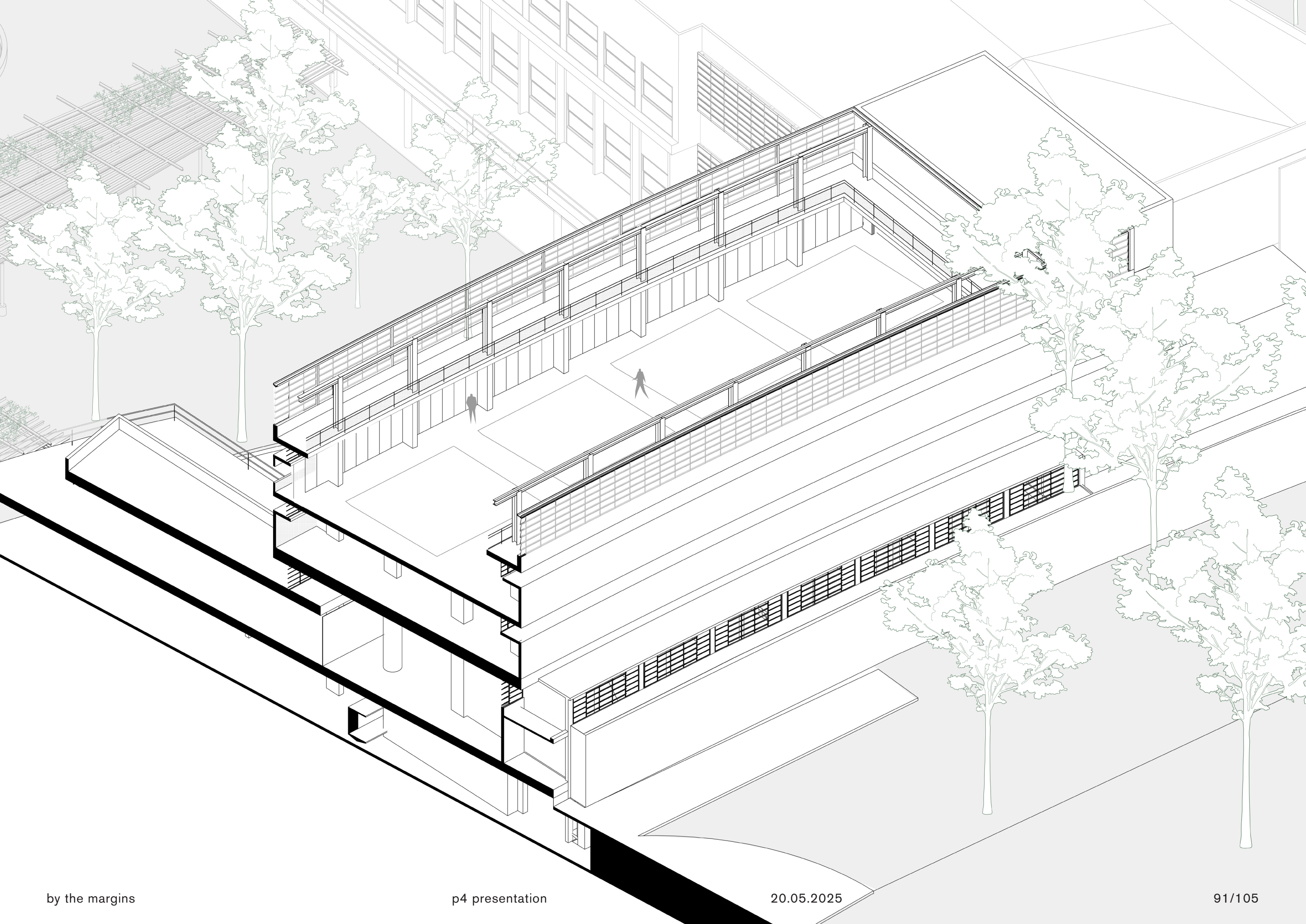
episodic walk

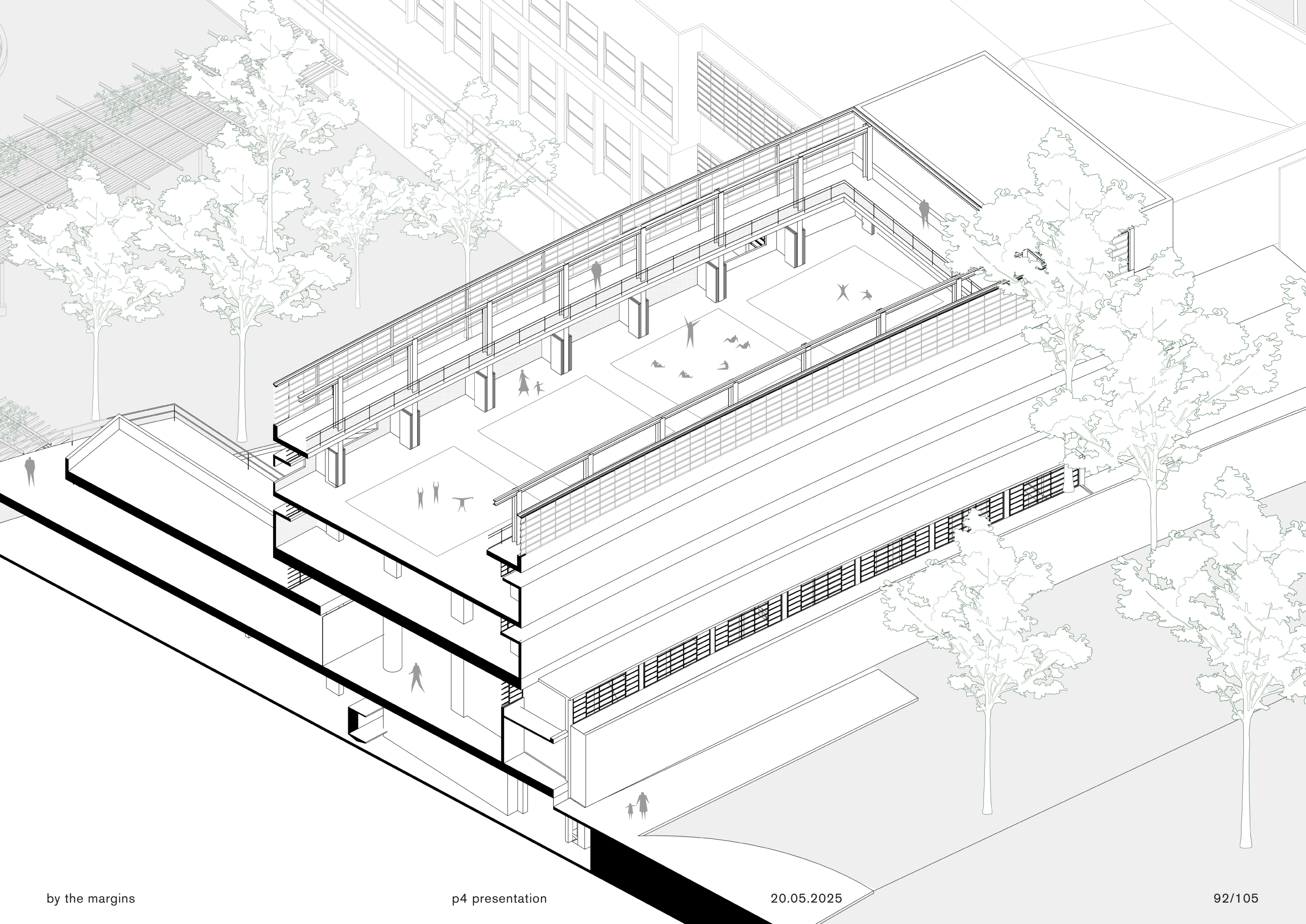
3. the atrium



episodic walk
3. the atrium







episodic walk
3. the atrium

materiality references

paving



rubber mat floor cover
in grey blue

walls / openings



renovation of texturized plaster
painted in white

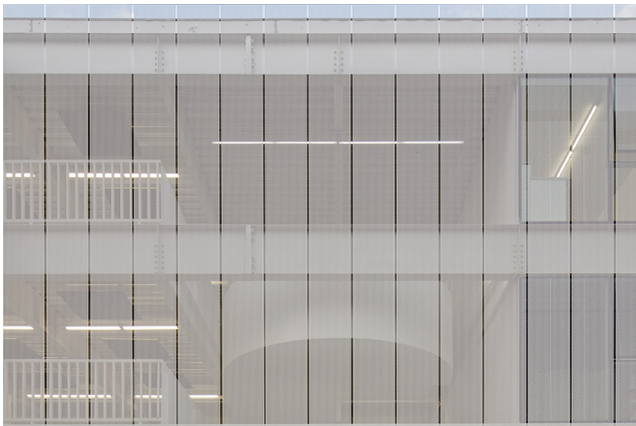
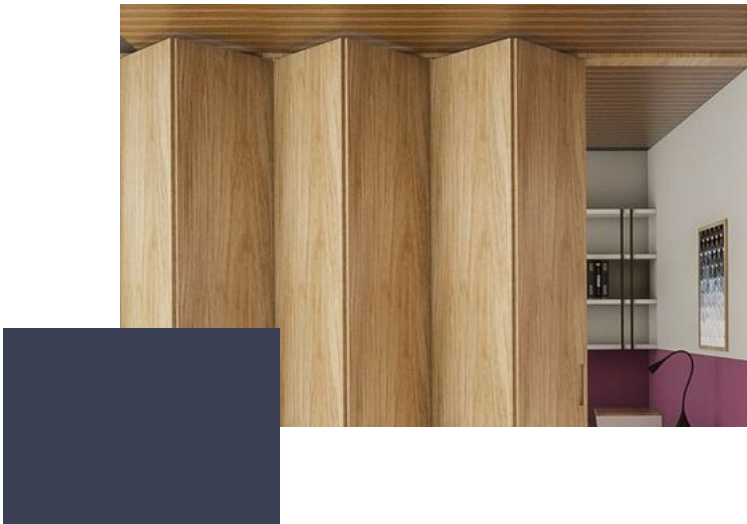


polycarbonate louvers “comovent” type

roof



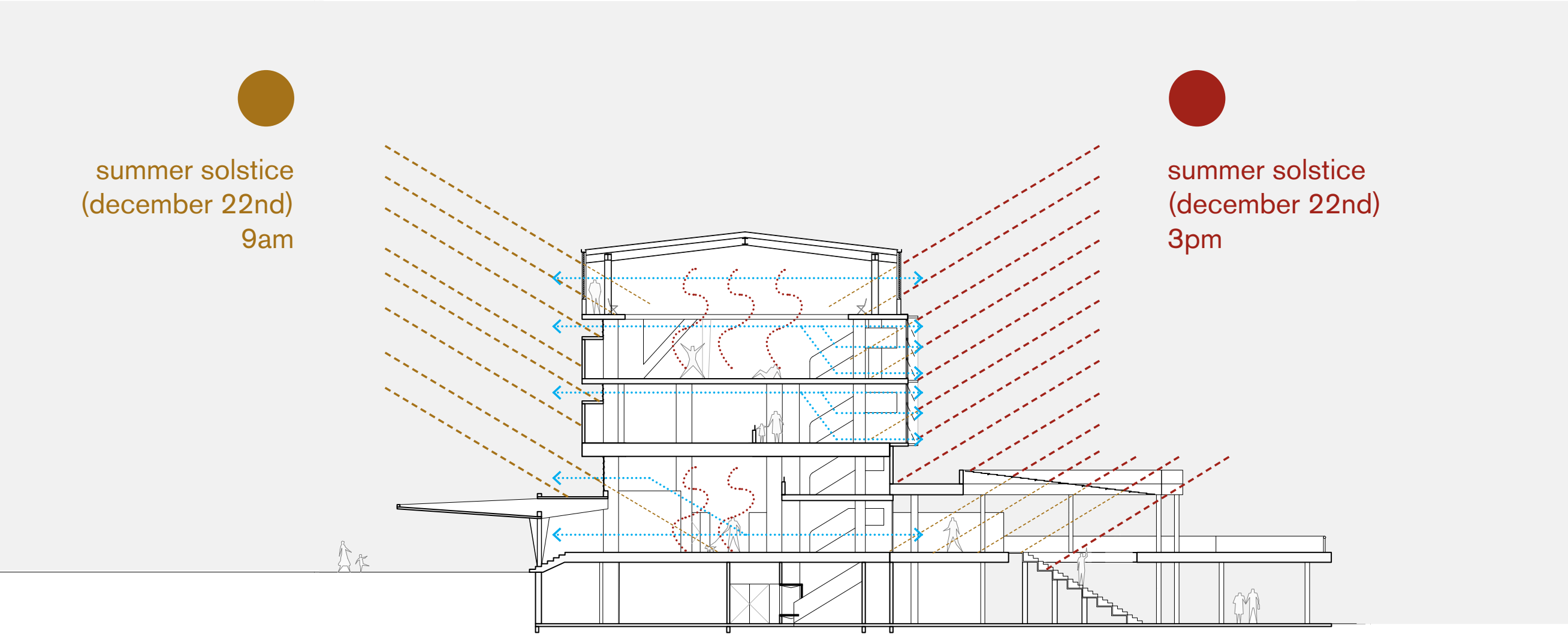
renovation of texturized plaster
painted white



metallic mesh for sun protection

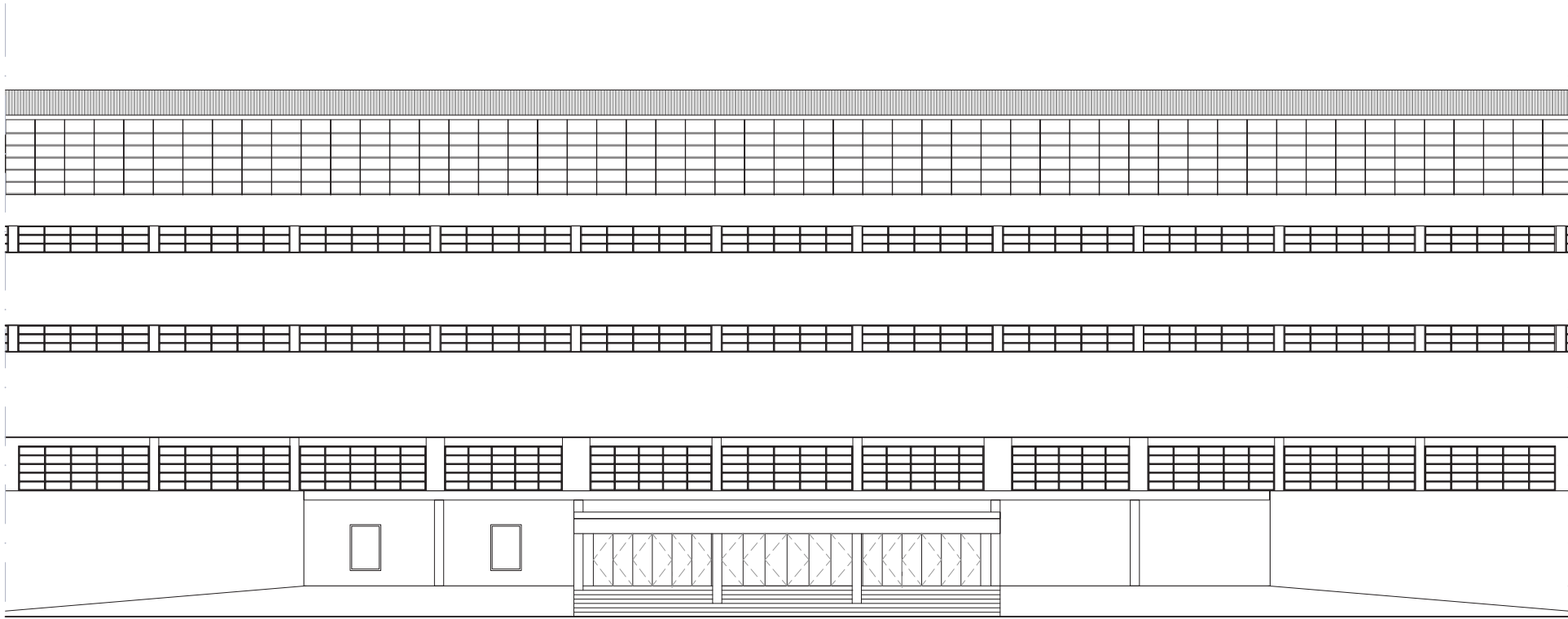
episodic walk
3. the atrium

climate diagram

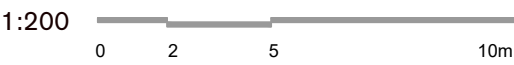


episodic walk
3. the atrium

elevations

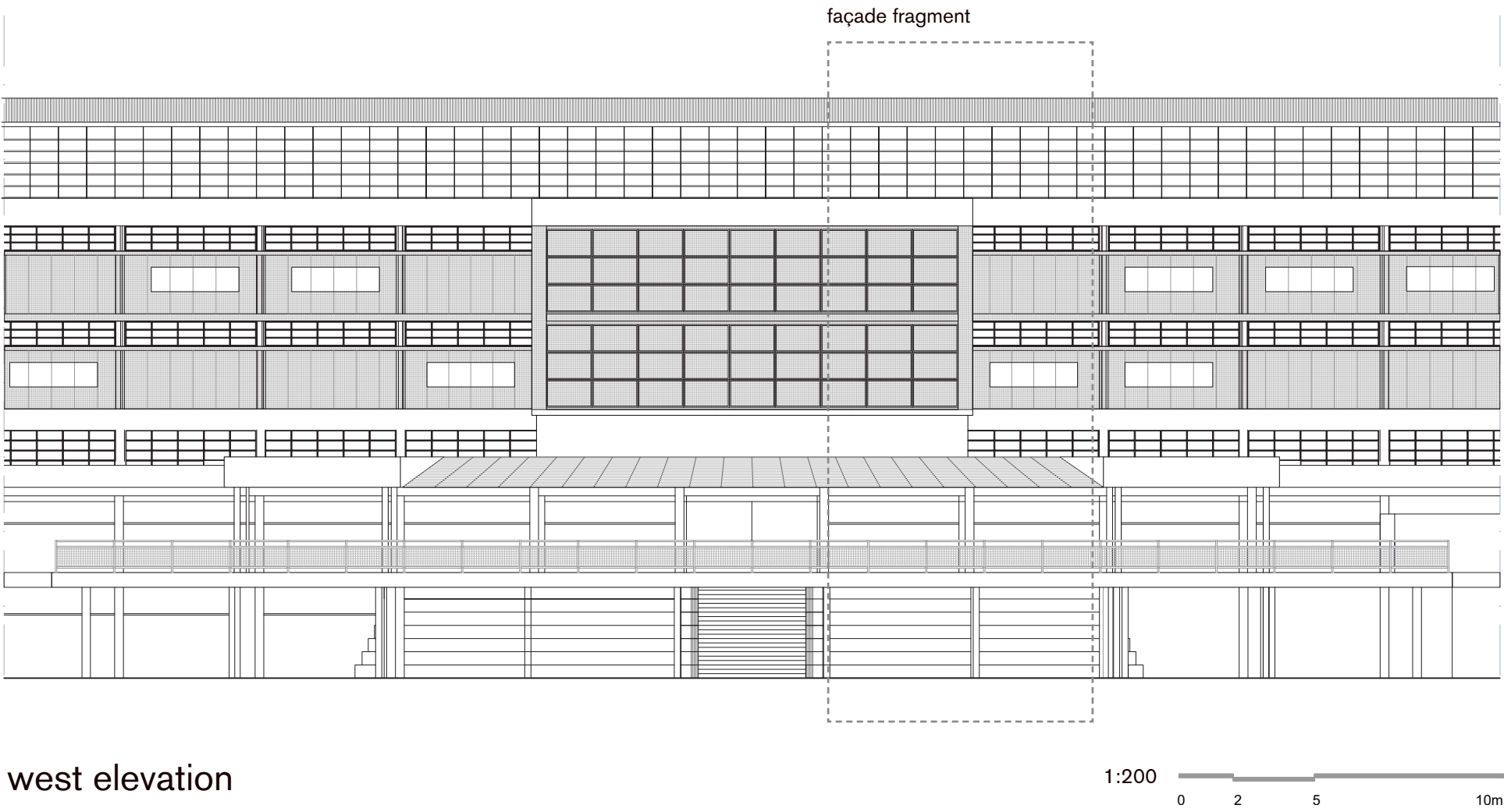


east elevation



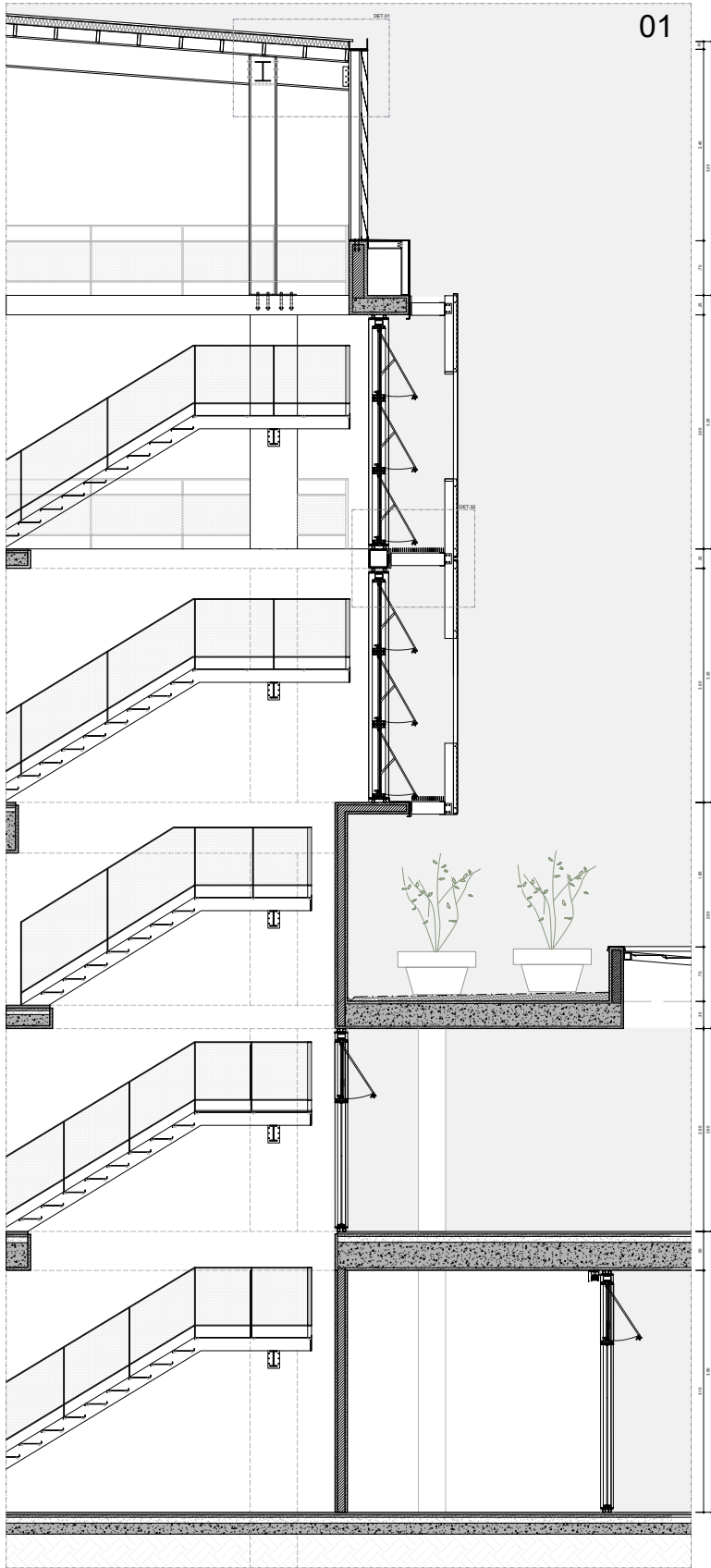
episodic walk
3. the atrium

elevations



episodic walk
3. the atrium

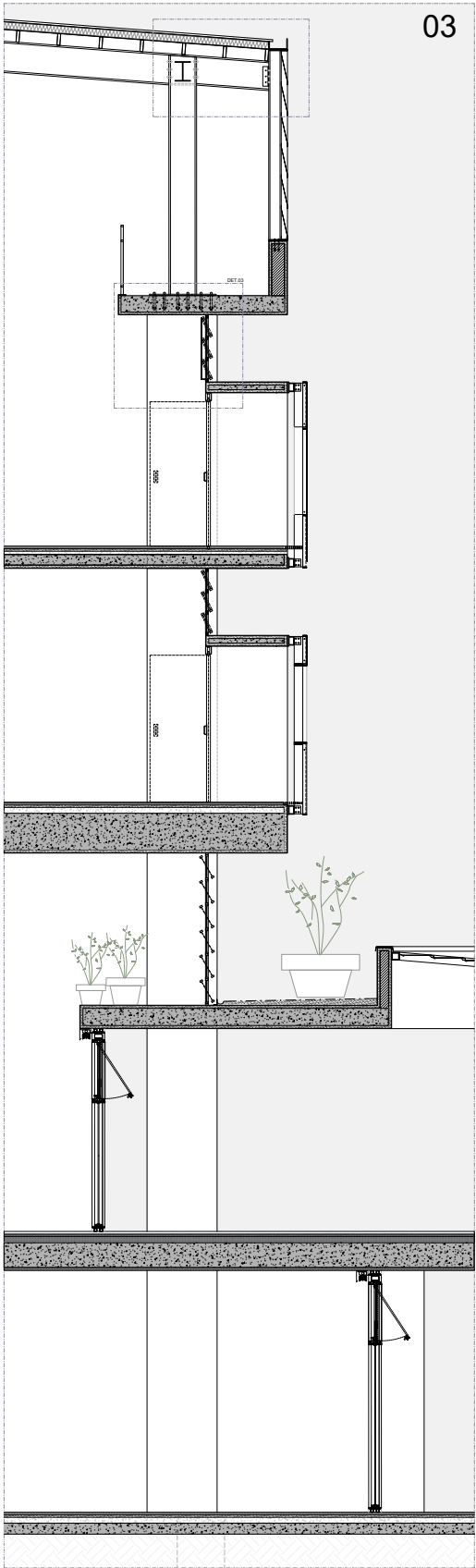
fragments



façade section - 01



façade elevation

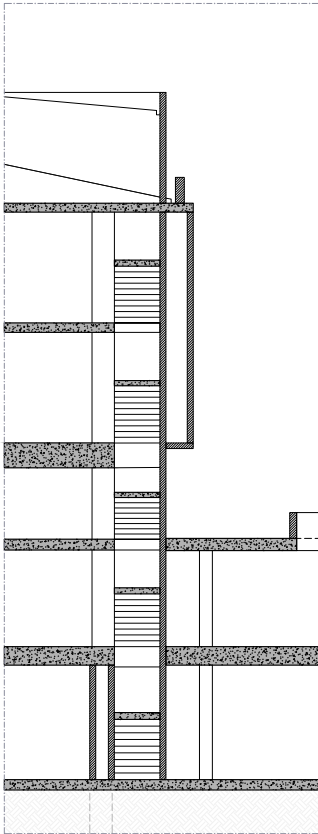


façade section - 02

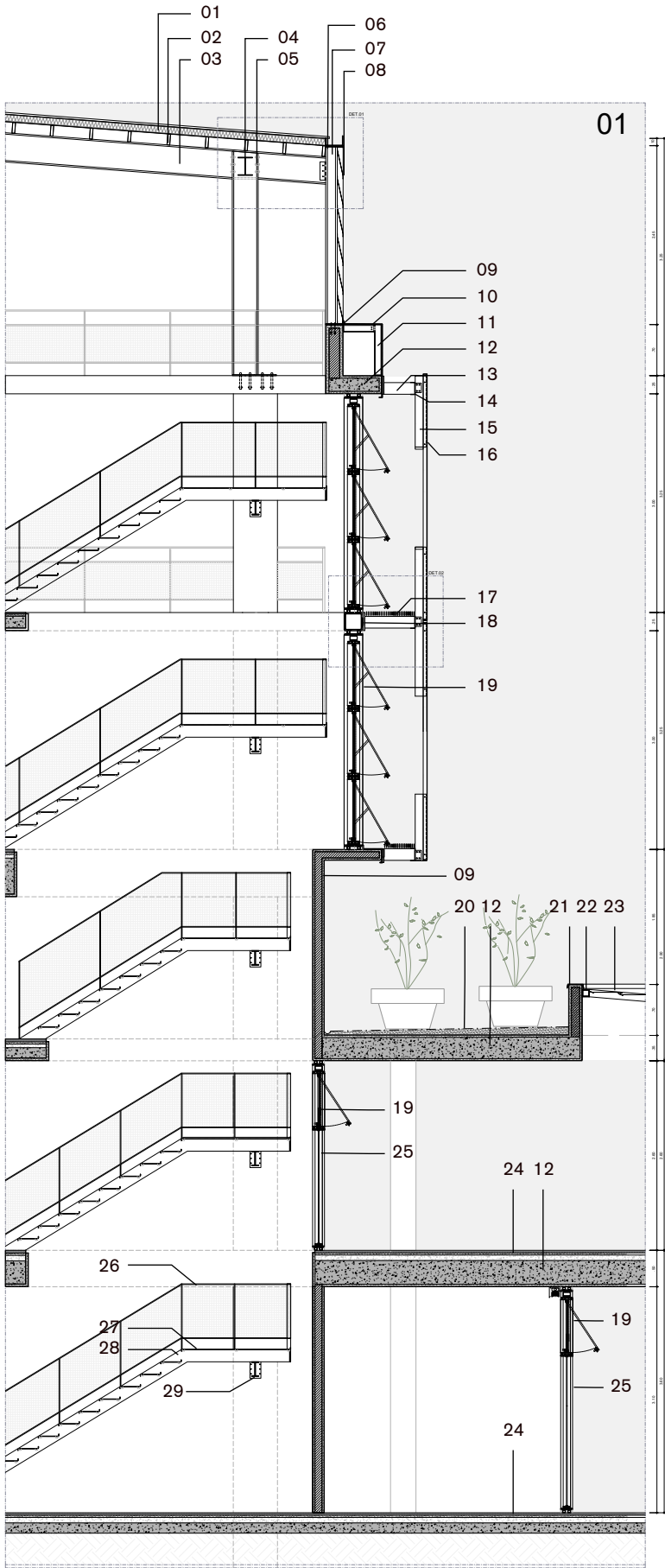
1:25
0,5 1 2m

episodic walk
3. the atrium

fragments



original situation



façade section - 01

- 1 thermoacoustic sandwich roof of zinc sheet with PIR foam insulation (150mm)

2 roof purlin in steel bar (15x35mm)

3 steel beam (250x350mm) coated in enamel paint RAL 9016"

4 steel beam (200x250mm) coated in enamel paint RAL 9016"

5 steel column (250x350mm) coated in enamel paint RAL 9016"

6 galvanized zinc gutter

7 steel strut (250x160mm)

8 louver "comovent" type in polycarbonate

9 existing brick wall (coated in 5mm roughcast layer, 35mm mortar & 50mm texturized wall plaster in creamy white paint)

10 folded steel sheet for capping

11 steel bars substructure

12 existing concrete slab (coated in 5mm regularization layer, 35mm mortar and 50mm texturized wall plaster in creamy white paint)

13 structuring steel profile (placed every 1500mm)

14 UPN continuous steel profile

15 supporting structure,
- coated galvanized steel plate (2mm)

16 folded sheet metal panels framing with expanded metal mesh (60% open area) coated in white enamel color (RAL 9016)

17 metal grid (5x5mm)

18 steel tube (250x250mm)

19 window frame "maxi-air" type in aluminum profiles + 6mm glass

20 sloped cement filling with waterproof coating

21 zinc cap

22 steel tube for roof structure (100x100mm)

23 light roof in polycarbonate panels screwed on steel purlins

24 existing floor in goiás stone (+35mm regularizing mortar+70mm screed)

25 fixed window frame in aluminum profiles + 6mm glass

26 "metallic railing in steel bar structure and steel grating grid coatead in enamel paint RAL 9016"

27 stairs steps in folded steel sheet coatead in enamel paint RAL 9016

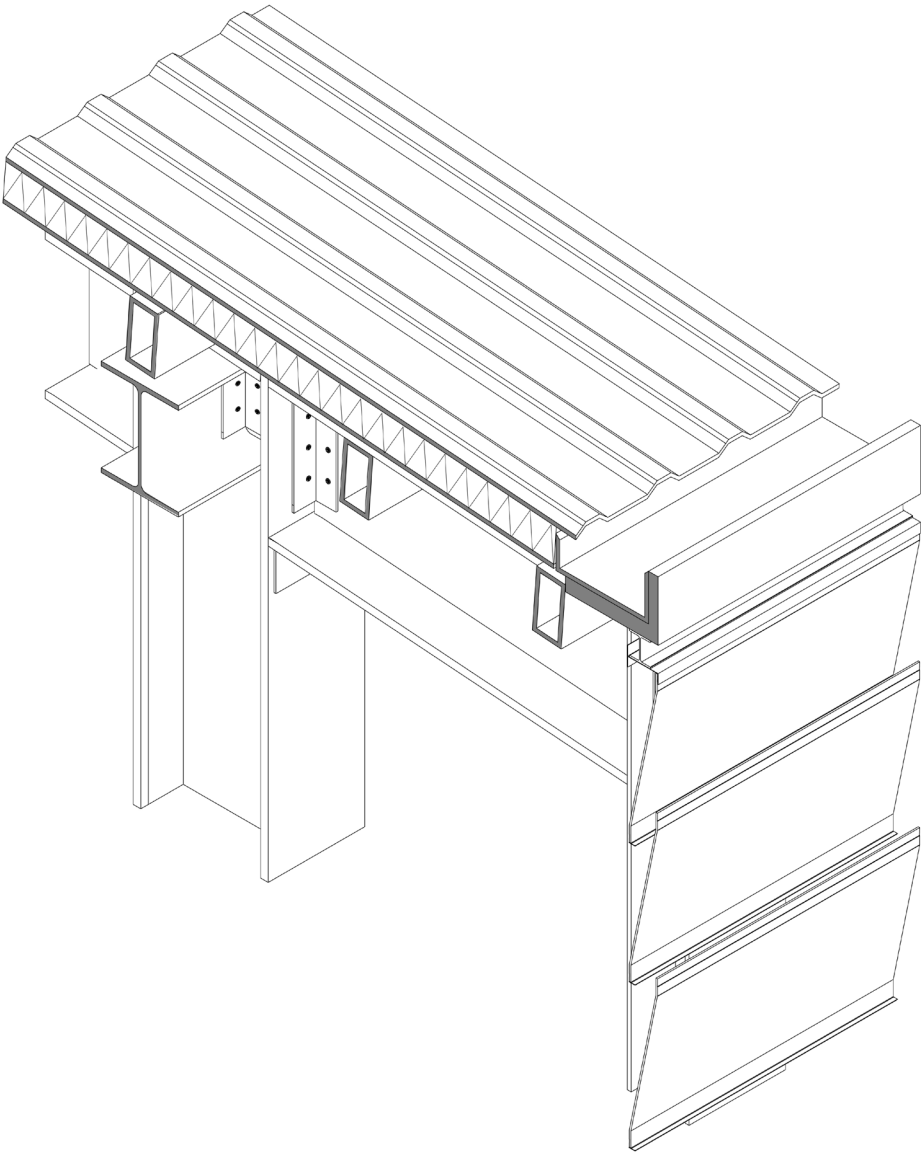
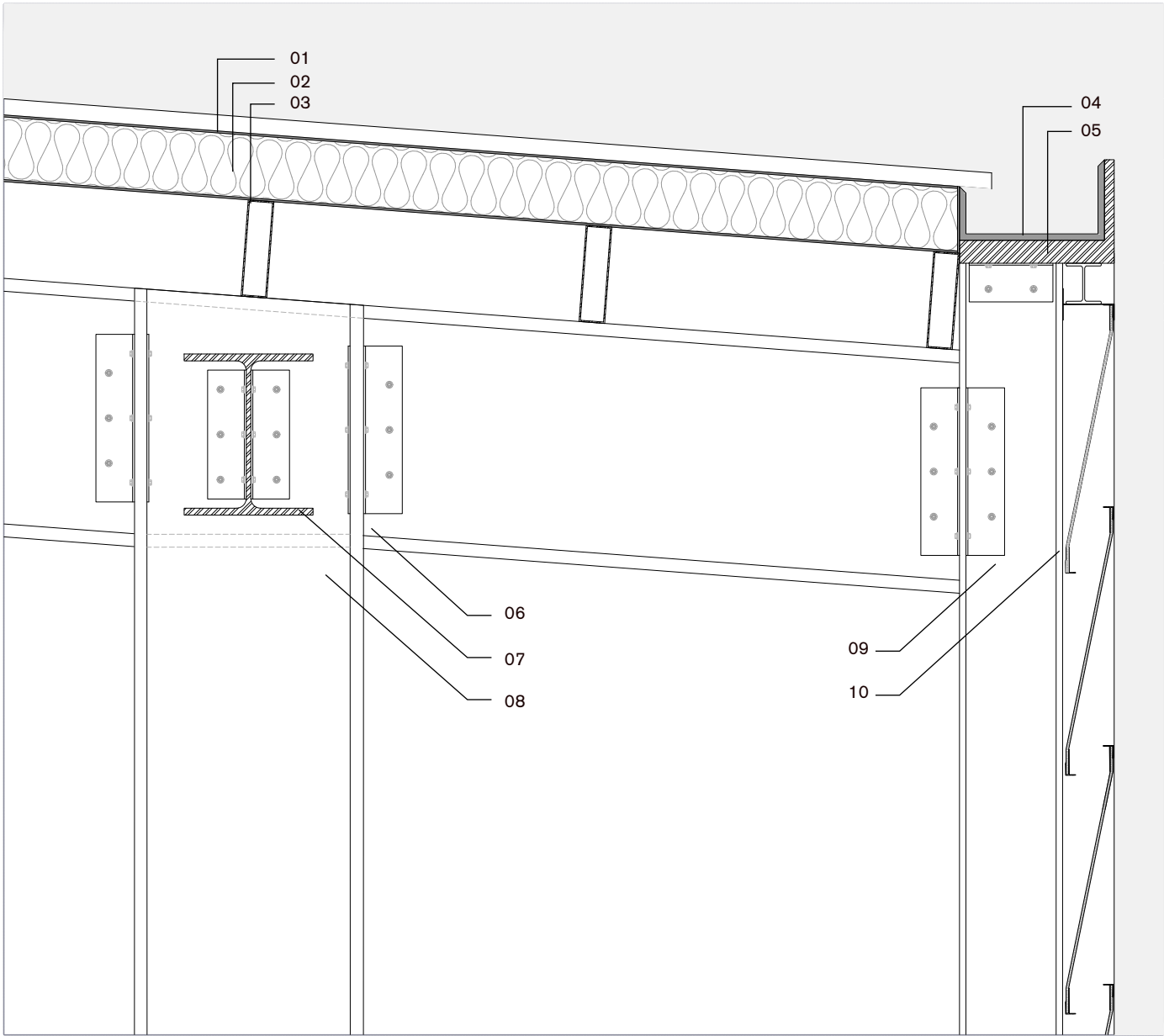
28 stair structure in pre-fabricated steel profile coatead in enamel paint RAL 9016

29 "steel profile fixated in existing concrete column coatead in enamel paint RAL 9016"

episodic walk

3. the atrium

details



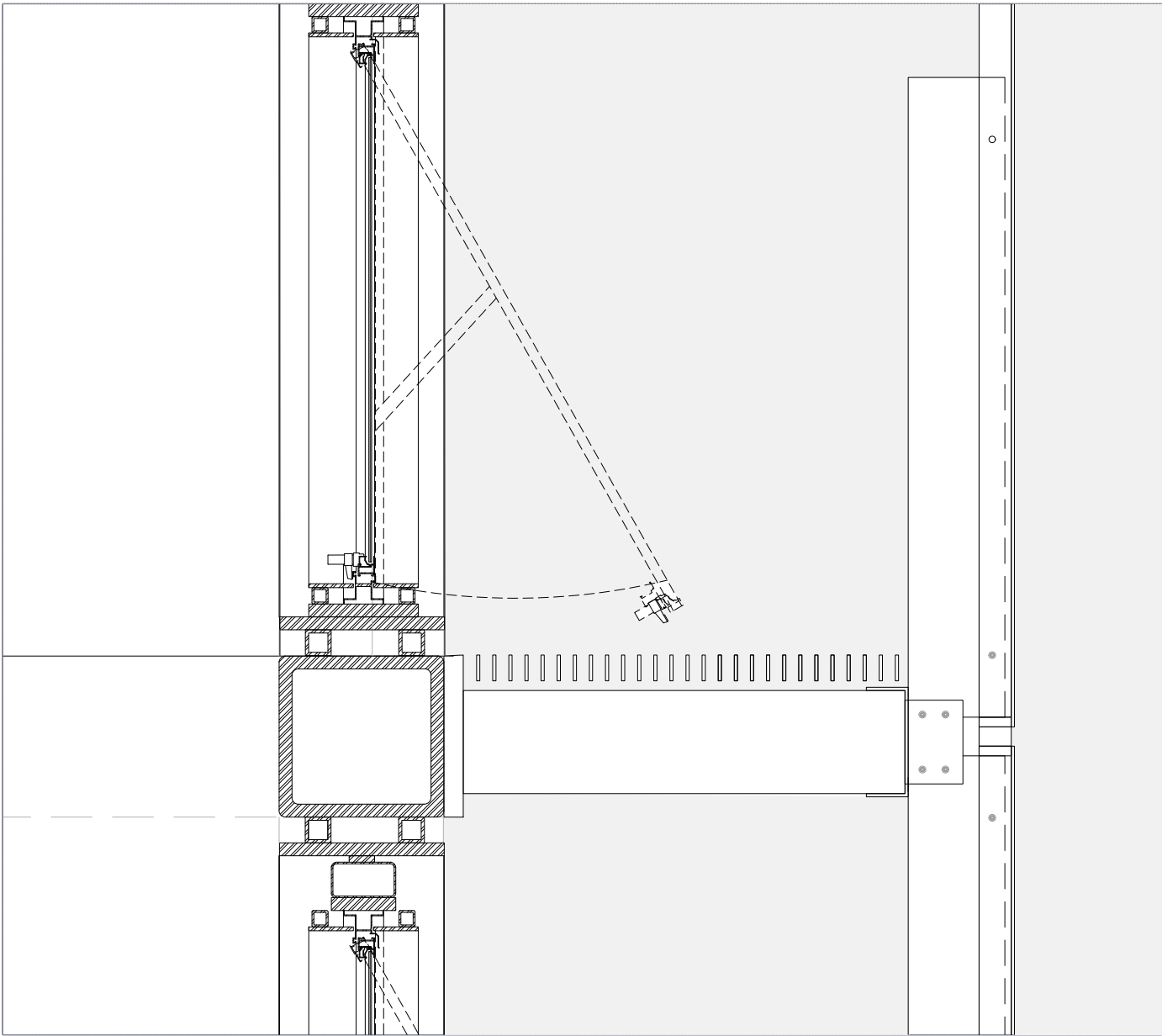
detail - 01

1:5 100 250 500mm

- 01 - Corrugated zinc sheet
- 02 - PIR thermal and acoustic insulation
- 03 - Roof purlin bar in steel (15x35mm)
- 04 - Galvanized Zinc Gutter
- 05 - L Shaped steel profile for finishing
- 06 - H Steel Beam
- 07 - H Steel Beam
- 08 - H Steel Column
- 09 - Louver "comovent" type in Polycarbonate
- 10 - Louver "comovent" type in Polycarbonate

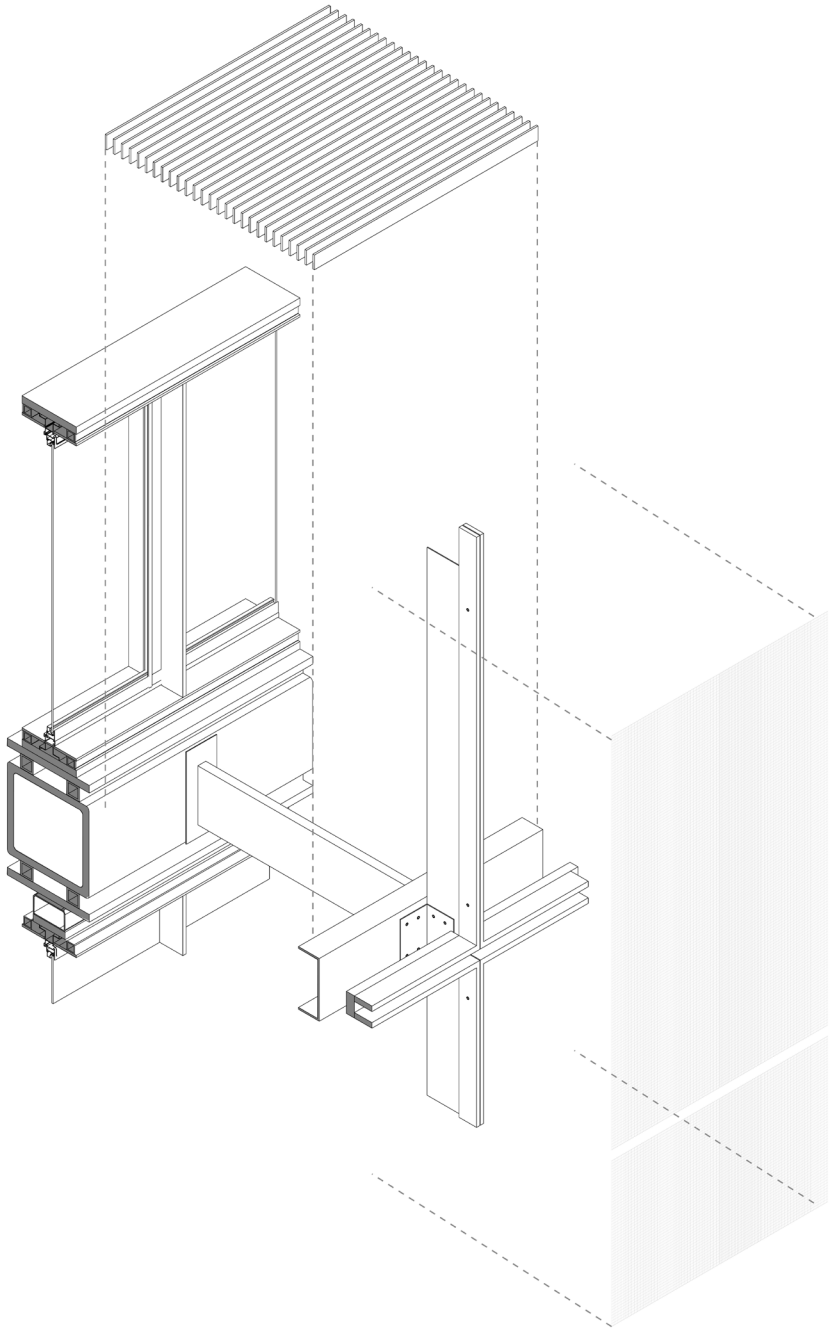
episodic walk
3. the atrium

details



detail - 02

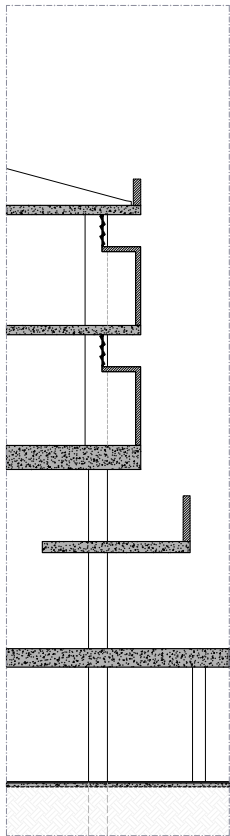
1:5
100 250 500mm



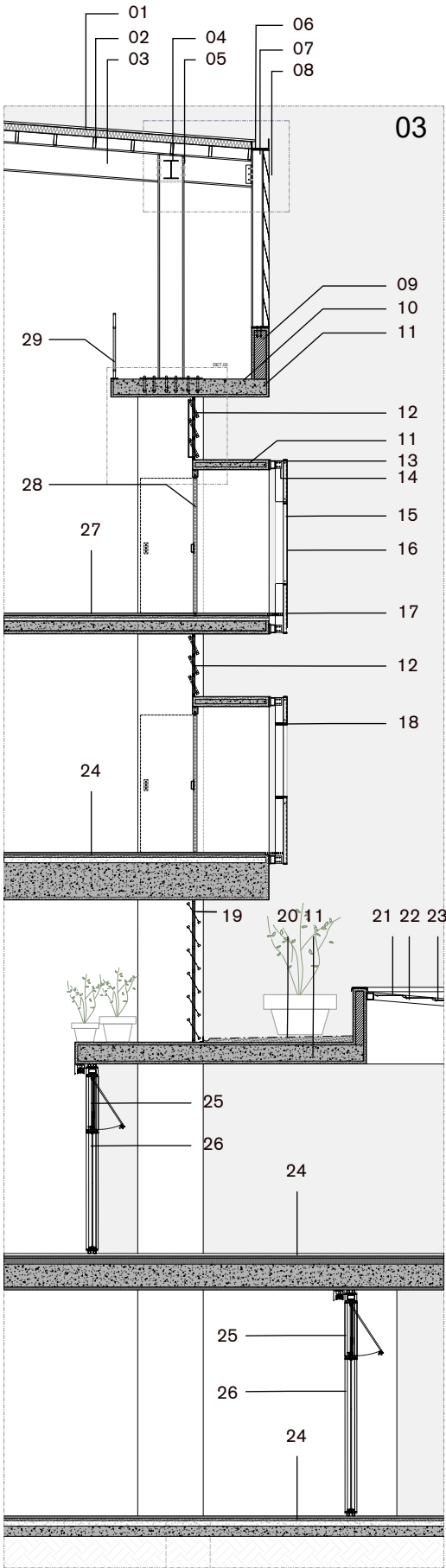
episodic walk

3. the atrium

fragments



original situation



façade section - 02

- 1

“thermoacoustic sandwich roof of zinc sheet with PIR foam insulation (150mm)”
- 2

“roof purlin in steel bar (15x35mm)”
- 3

“steel beam (250x350mm) coated in enamel paint RAL 9016 - white traffic light”
- 4

“steel beam (200x250mm) coated in enamel paint RAL 9016 - white traffic light”
- 5

“steel column (250x350mm) coated in enamel paint RAL 9016 - white traffic light”
- 6

galvanized zinc gutter
- 7

steel strut (250x160mm)
- 8

louver “comovent” type in polycarbonate
- 9

existing brick wall (coated in 5mm roughcast layer, 35mm mortar & 50mm texturized wall plaster in creamy white paint)
- 10

polished surface of existing concrete slab
- 11

existing concrete slab (coated in 5mm regularization layer, 35mm mortar and 50mm texturized wall plaster in acrylic paint of original color)
- 12

renovated metallic triple awning window coated in enamel paint RAL5020 (ocean blue)
- 13

UPN continuous steel profile
- 14

structuring steel profile (placed every 1500mm)
- 15

supporting structure, coated galvanized steel plate (2mm)
- 16

folded sheet metal panels framing with expanded metal mesh (60% open area) coated in white enamel color (RAL 9016 - white traffic light)
- 17

metal grid (5x5mm)
- 18

horizontal steel bar for structuring opening in mesh
- 19

renovated metallic six-times awning window coated in enamel paint RAL5020 (ocean blue)
- 20

sloped cement filling with waterproof coating
- 21

zinc cap
- 22

steel tube for roof structure (100x100mm)
- 23

light roof in polycarbonate panels screwed on steel purlins
- 24

existing floor in goiás stone (+35mm regularizing mortar+70mm screed)
- 25

window frame “maxi-air” type in aluminum profiles + 6mm glass
- 26

fixed window frame in aluminum profiles + 6mm glass
- 27

rubberized floor adapted for the practice of sports (35mm) in the color RAL5020 (ocean blue)
- 28

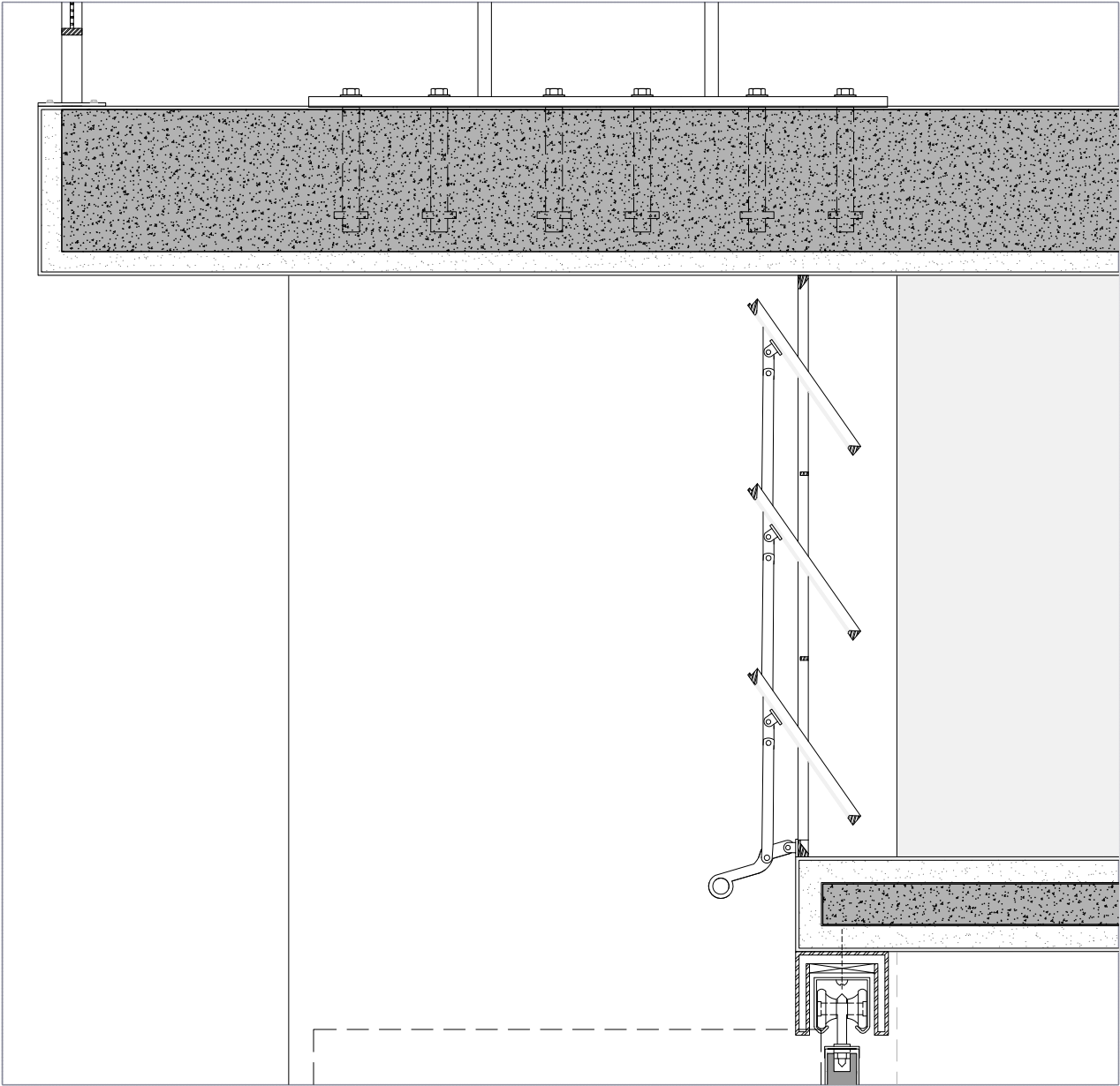
bifold door in wood (50mm) coated in shiny enamel based paint in color RAL5020 (ocean blue)
- 29

“metallic railing in steel bar structure and steel grating grid coatead in enamel paint RAL 9016 - white traffic light”

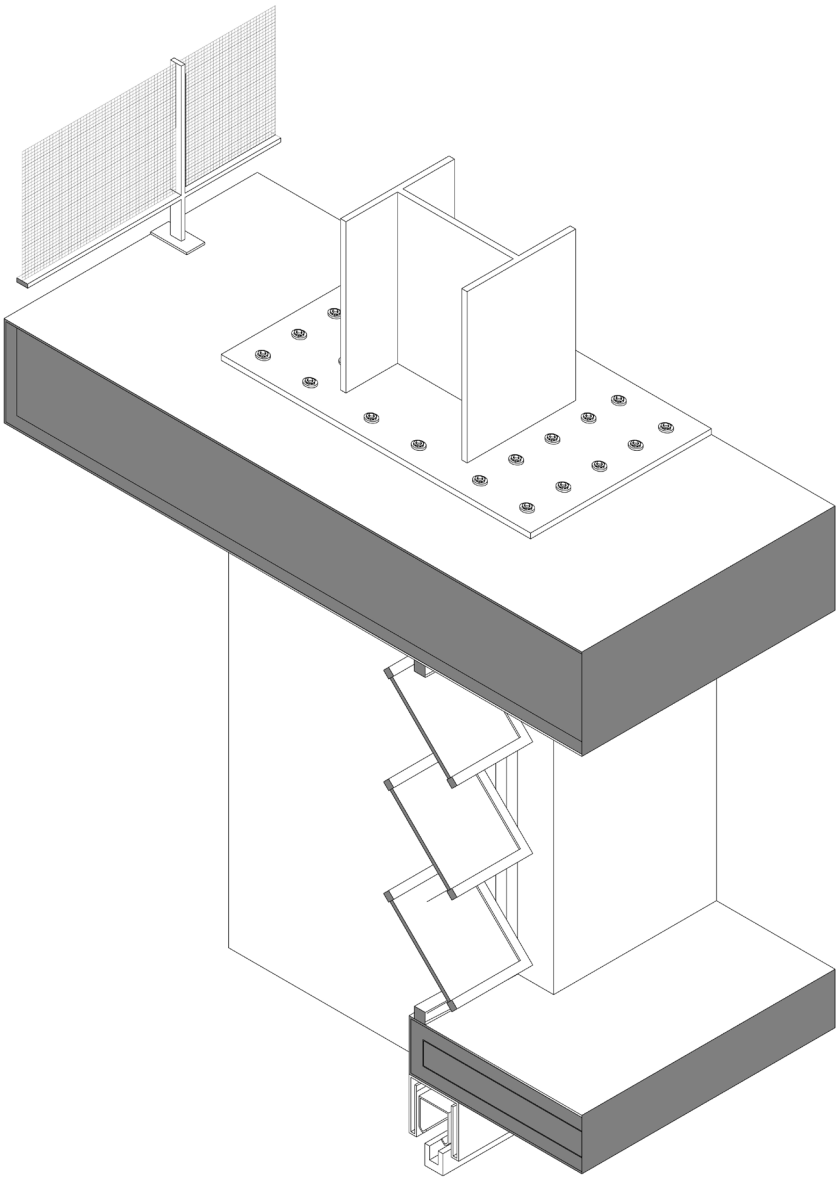
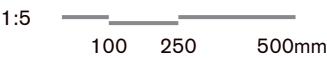
1:25
0,5 1 2m

episodic walk
3. the atrium

details

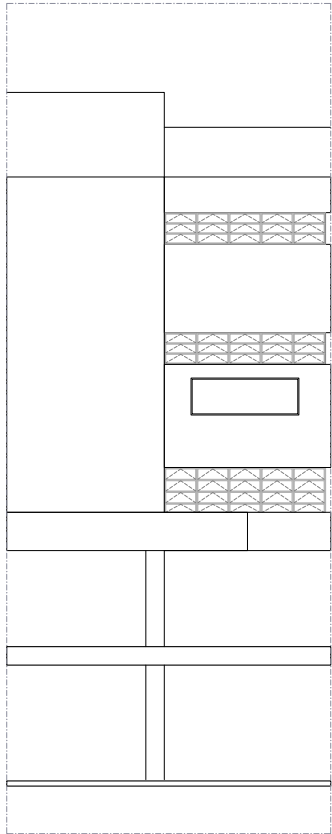


detail - 03



episodic walk
3. the atrium

fragments



original situation

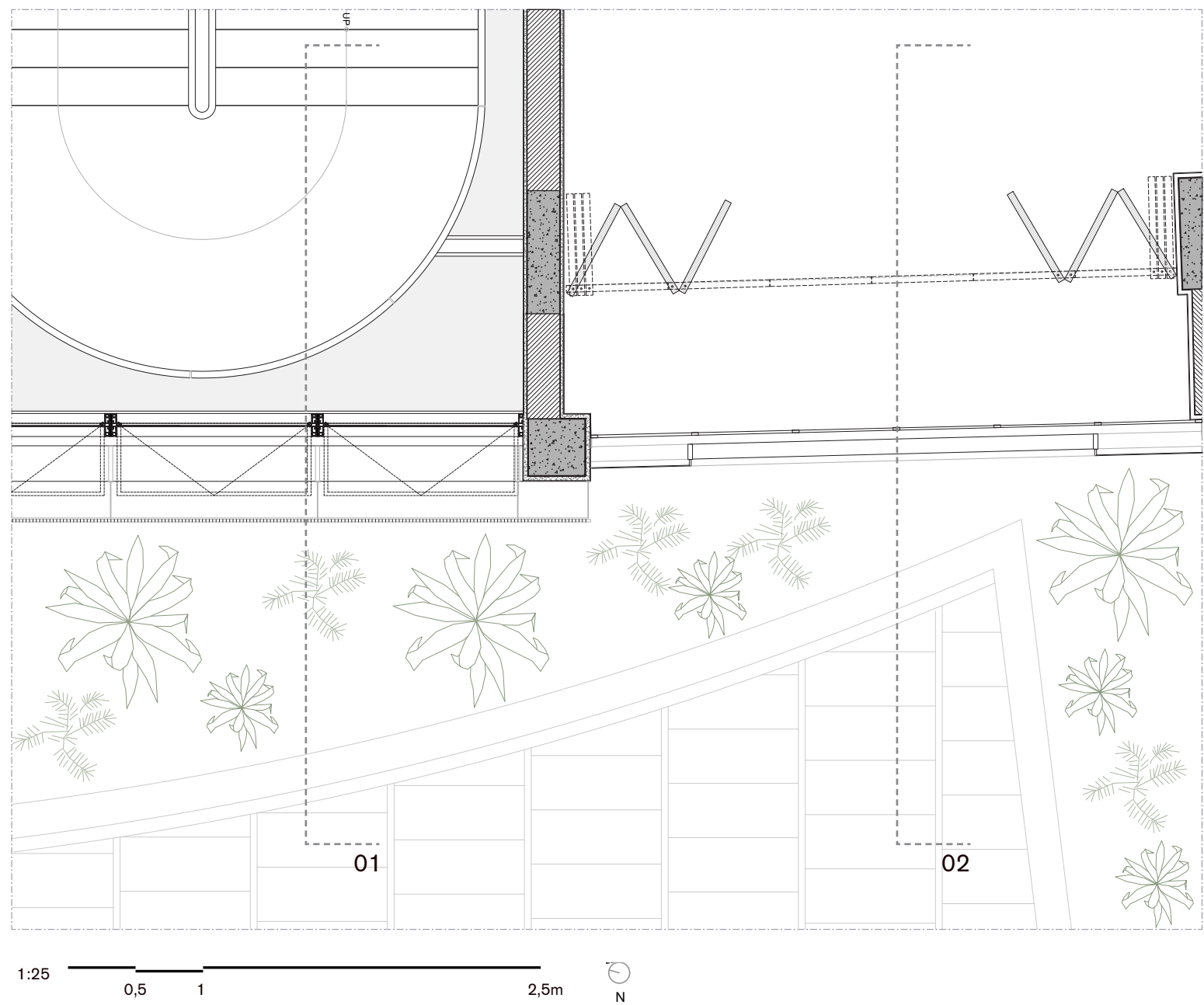


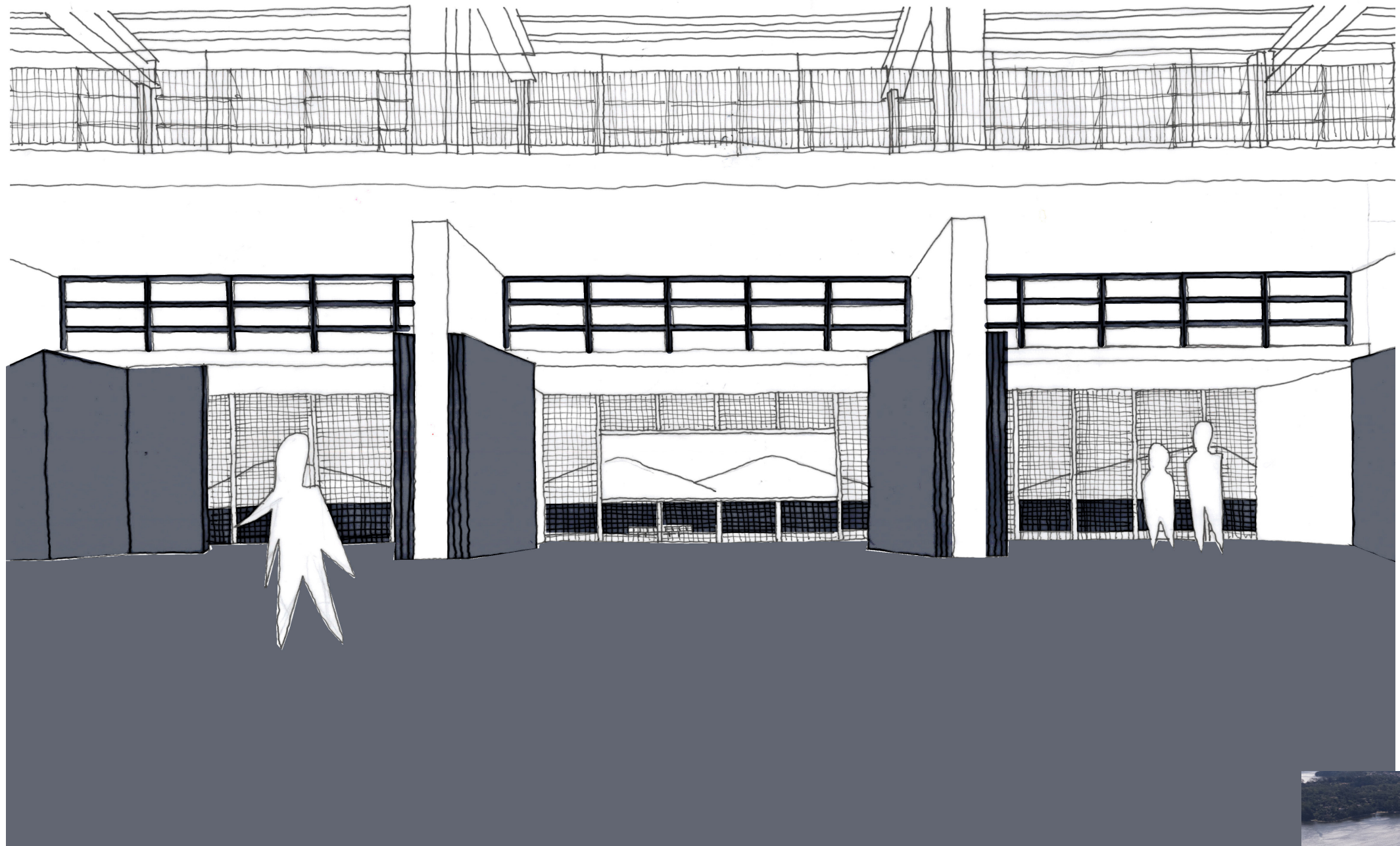
façade elevation

1:25
0,5 1 2m

episodic walk
3. the atrium

fragments







BY THE MARGINS

passages & permanences in the outskirts são paulo

explore lab graduation studio

tu delft

student: giulia ravanini silva - 6065910

design tutor: eireen schreurs

research tutor: janina gosseye

building technogoly tutor: matthijs klooster