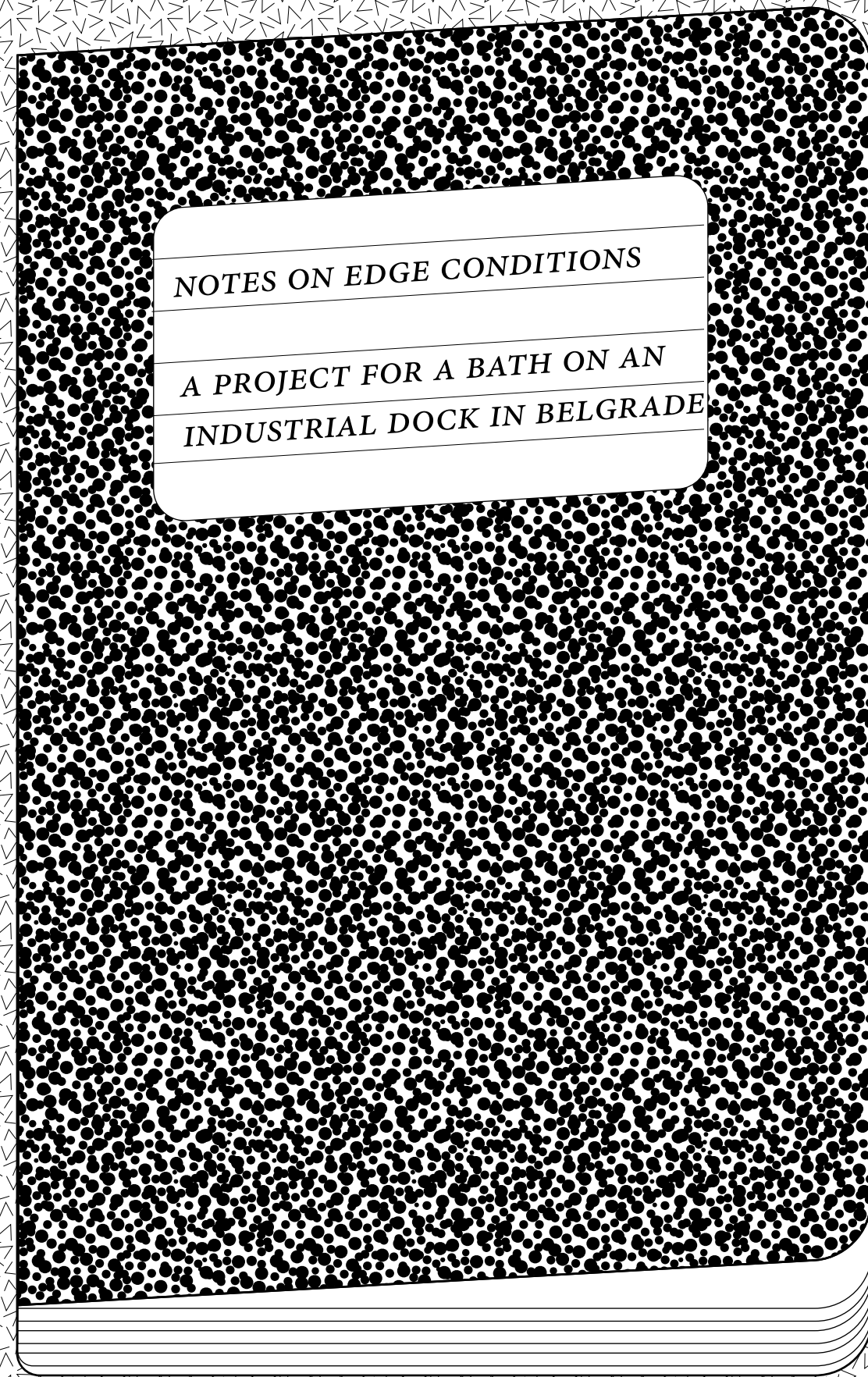


CHAIR OF METHODS OF ANALYSIS AND IMAGINATION
POSITIONS IN PRACTICE:
TOWARDS MORE INCLUSIVE BUILT ENVIRONMENTS IN BELGRADE

P5 PRESENTATION
JUNE 29TH 2021

ANDREA FERRARINI



NOTES ON EDGE CONDITIONS

A PROJECT FOR A BATH ON AN
INDUSTRIAL DOCK IN BELGRADE

00 *LEARNING FROM A
FLOATING BRIDGE.*

01 *THE CITY AND THE RIVERS*

02 *THE BATHS IN THE CITY*

03 *A BATH BY THE RIVER*

04 *THE SKY BEYOND THE DOME*



Lido Pontoon Bridge from New Belgrade to the Great War Island
Summers since 2000, Serbian Army Forces, Belgrade





*A pier to the Island
Belgrade 2020*



*A pier to the city
Belgrade 2020*

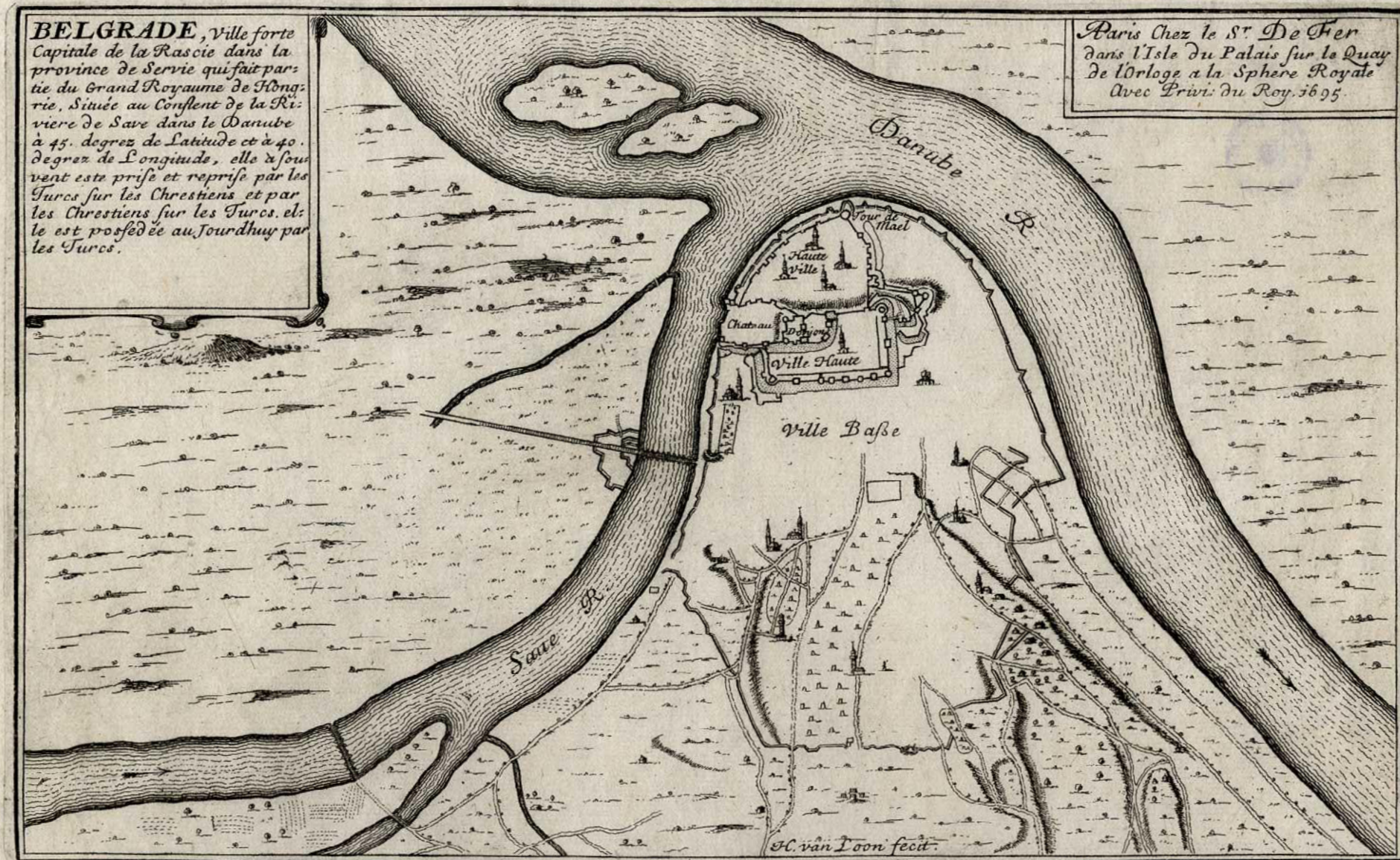
~~00 LEARNING FROM A
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02 THE BATHS IN THE CITY

03 A BATH BY THE RIVER

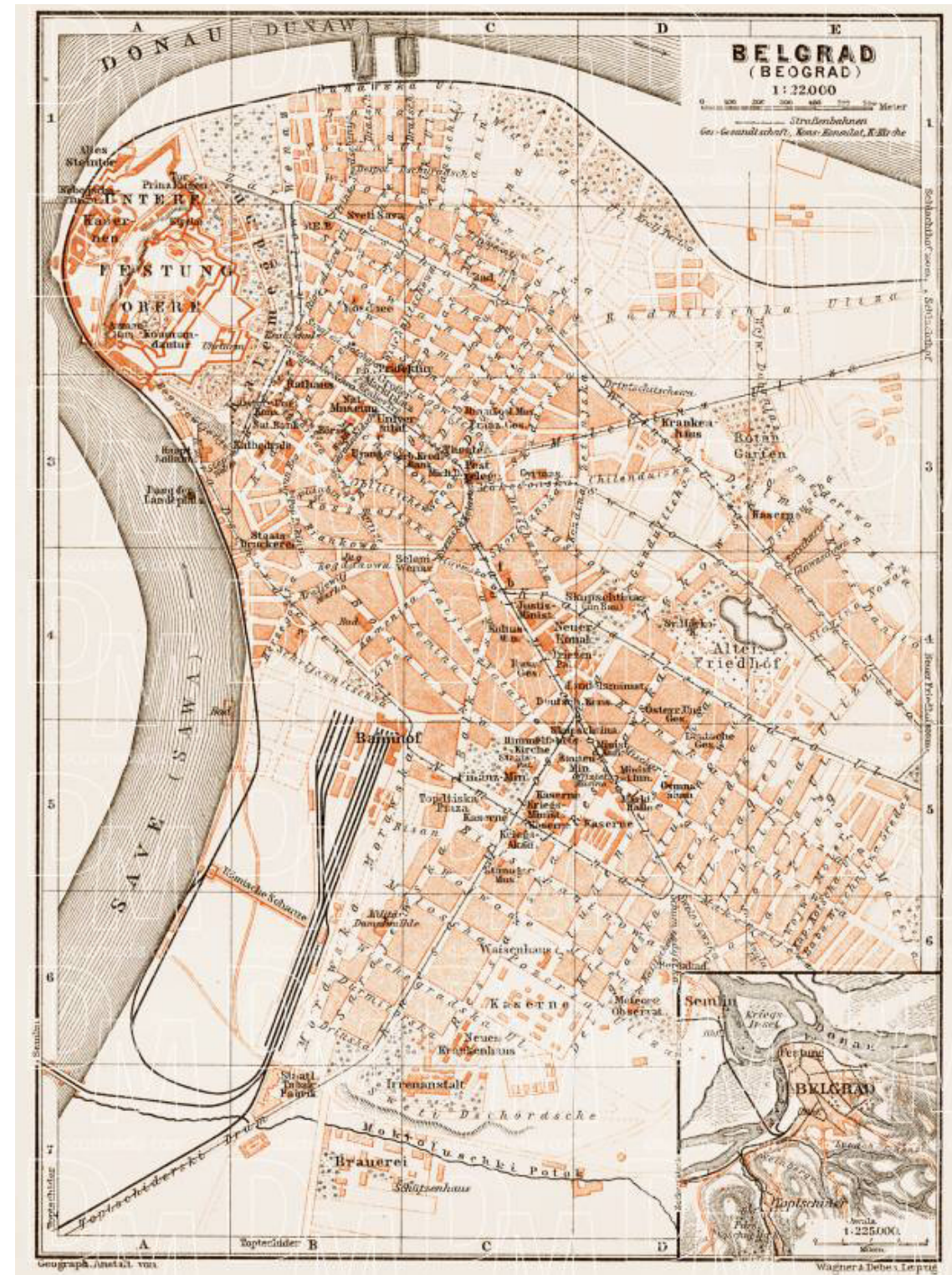
04 THE SKY BEYOND THE DOME



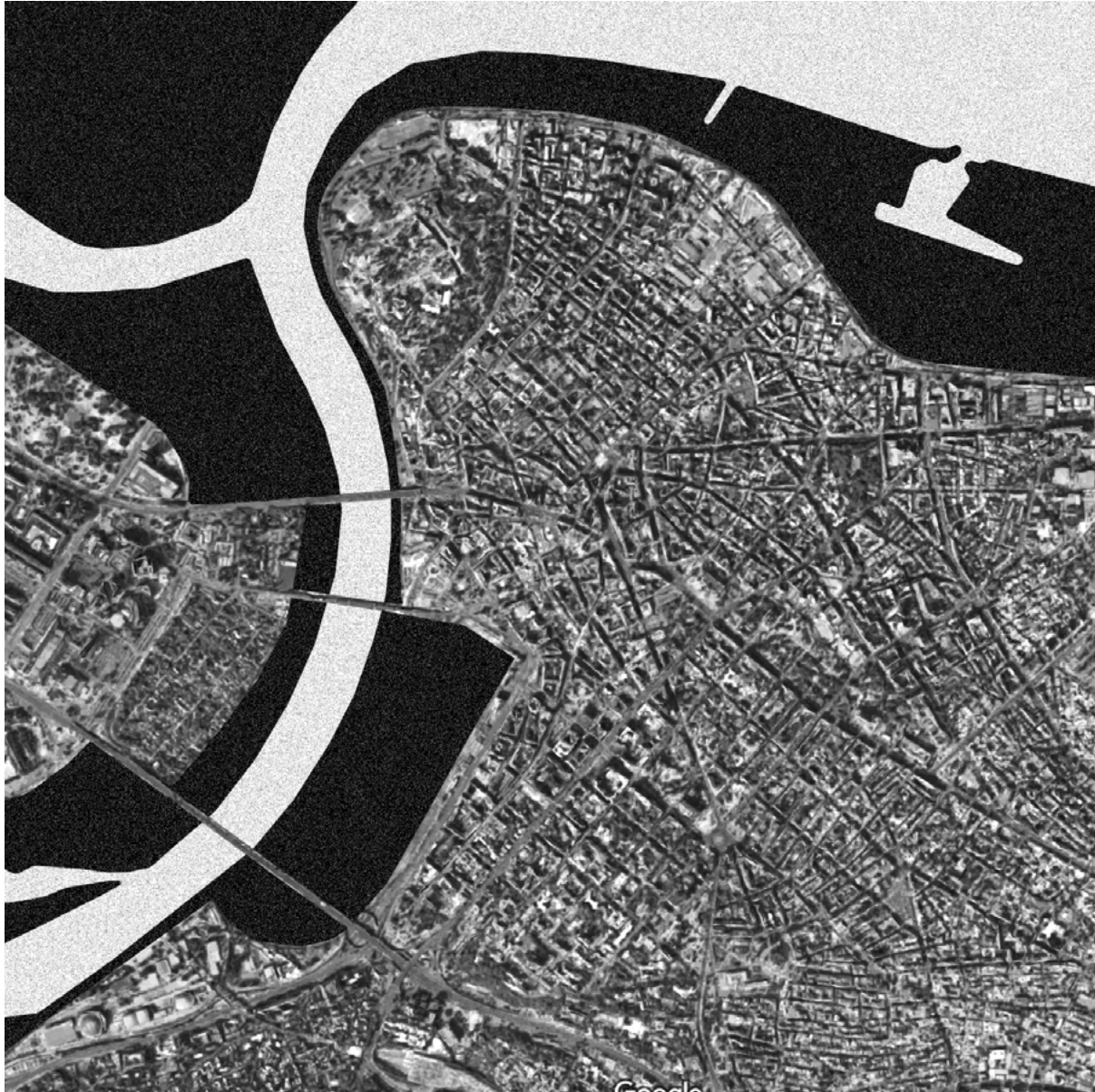
BELGRADE
 H. Van Loon, 1695



CITY EXTENSION
Belgrade, 1815



CITY EXTENSION
BELGRADE, 1914



0 500 m



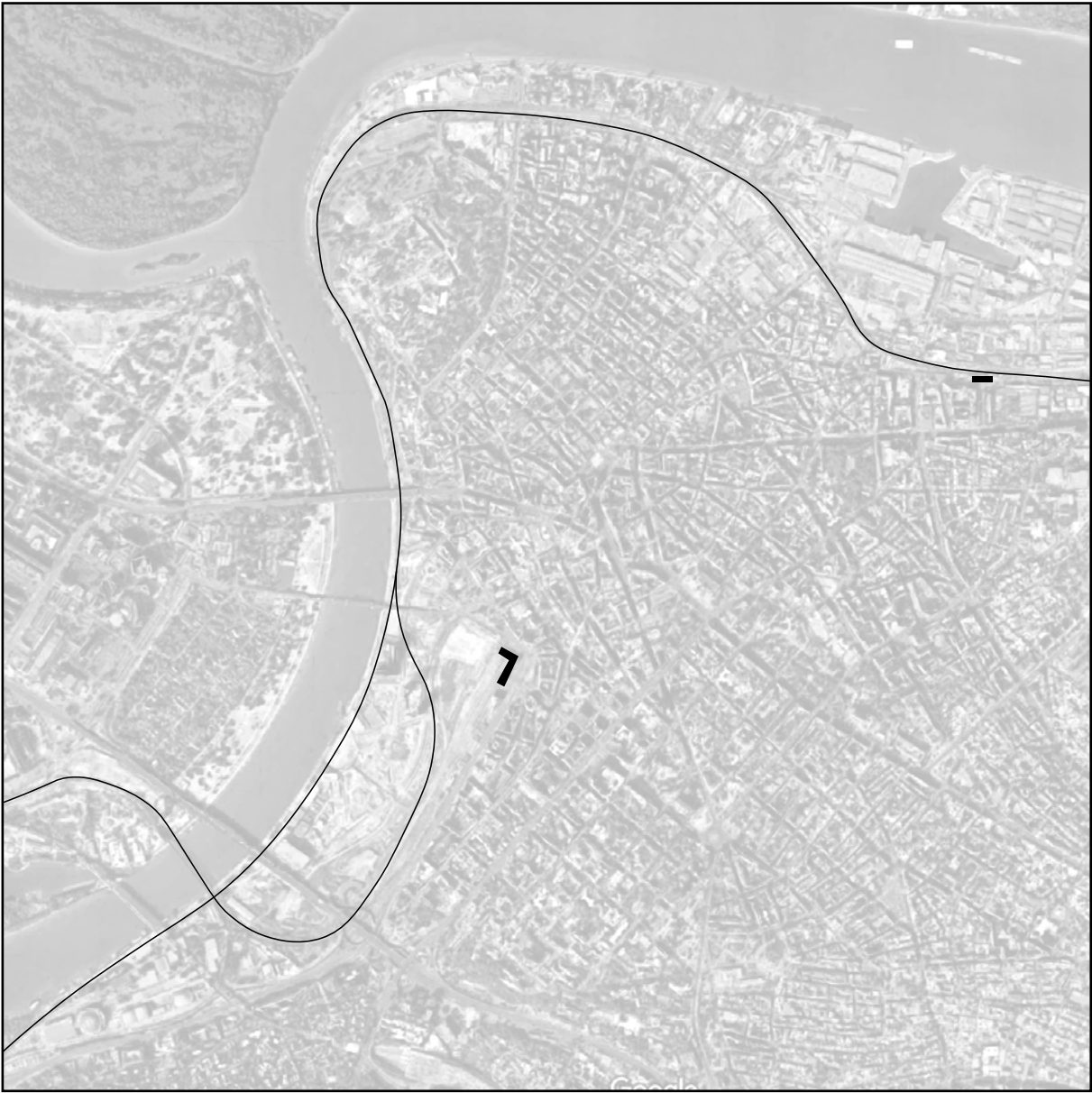
DORMANT SHORES
Belgrade, 1815



0 500 m



BREAKING THROUGH
BELGRADE, 2020



0 500 m



THE OLD RAILWAY
Belgrade, 2020



0 500 m



REDIRECTION OF RAILWAY TRAFFIC
Belgrade, 2020

how to rethink the shores?



The Belgrade Waterfront by Eagle Hills
Belgrade 20**



WITHIN THE CITY, ALONG THE CITY
Belgrade 2020

~~00 LEARNING FROM A
FLOATING BRIDGE.~~

~~01 THE CITY AND THE RIVERS~~

02 THE BATHS IN THE CITY

03 A BATH BY THE RIVER

04 THE SKY BEYOND THE DOME

*Belgrade currently does not have a single open public bath
probably for the first time in the past 19 centuries*

SRDJAN GARCEVIC

<https://thenutshelltimes.com/2018/02/22/hidden-belgrade-25-belgrades-lost-public-baths/>



Roman Baths next to the Faculty of Philosophy
2nd - 3rd Century bc



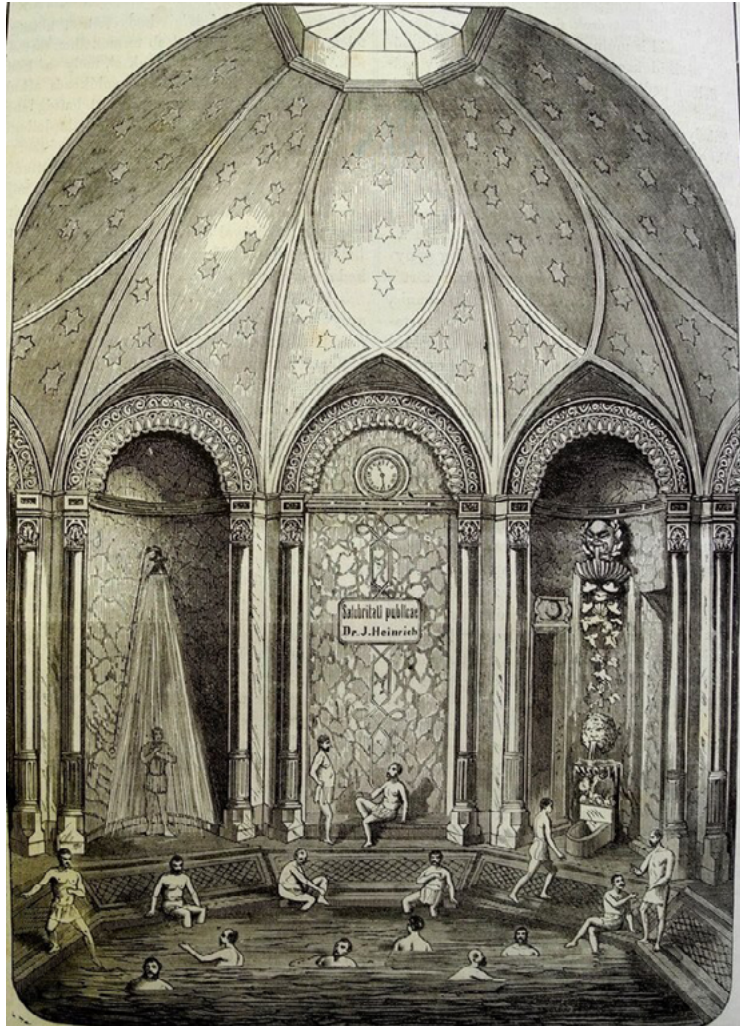
Roman Baths next to the Faculty of Philosophy
2nd - 3rd Century bc



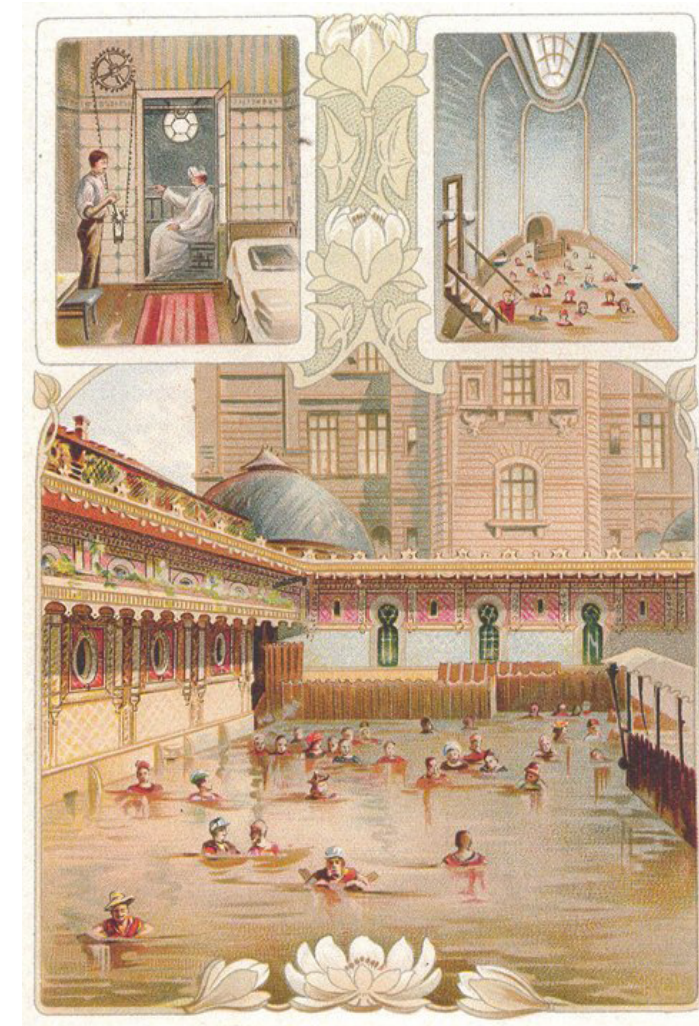
Princess Ljubica's Hammam
1836



Prince Milo's Hamam
Belgrade



Lukasc Baths
Budapest



Lukasc Baths
Budapest

Купатило Хунгарија

Сомбор, Пашина улица бр. 1.

Упутство.

ЦЕНЕ КУПАЊА:

Купање у кади за једну употребу К 1-20
Купање у пари за једну употребу К 1—
Бацка карта за парно купатило
(само уторником по подне) . . . К —40
За децу (непод 15 година) . . . К —40

Претплата за купање у великом базену,
у пари и под тушем, по особи:
на читаву годину К 50 || на четврт године К 14
на пола године . К 26 || на један месец . К 6

Породичне претплате на две особе
(супруг и супруга):

На читаву годину К 80
за сваког нашег одраслог поро-
дичног члана К 20
за свако дете (непод 15 година) К 10
На пола године (супруг и супруга) К 42
за сваког нашег одраслог поро-
дичног члана К 11
за свако дете (непод 15 година) К 6
10 карата за купање у кади . . . К 10
12 карата за парно купатило . . . К 10
15 карата за купање под тушем . К 6

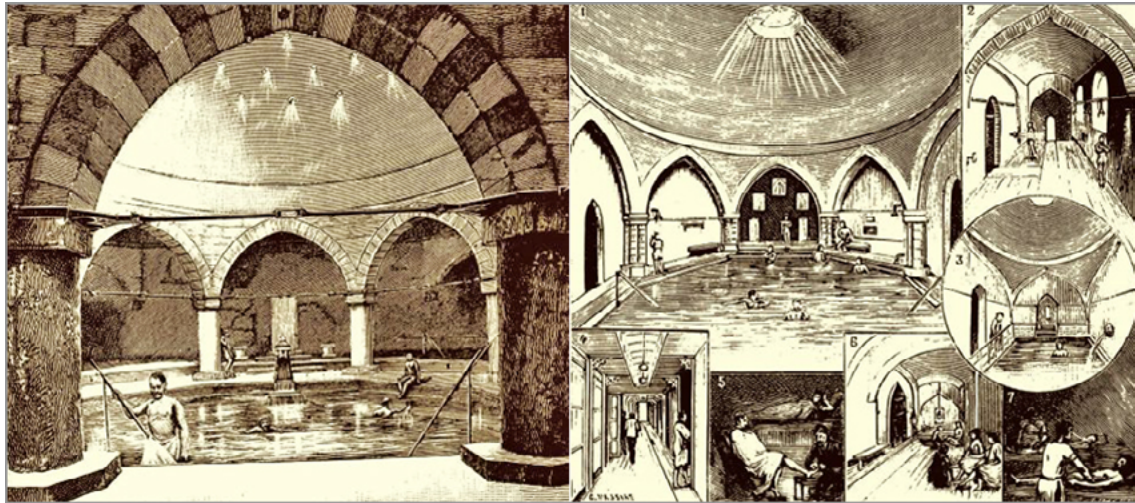
Претплатити се може сваки дан.
✱ **Време када се може купати:** ✱
(зимска сезона)

Д а н	Пре подне до 1 с.	По подне до 6 с.
Понедељак	Господа	Госпође и гђе
Уторак	Господа	Господа и ђаци
Среда	жњаксе (од 8)	Господа
Четвртак	Господа	—
Петак	Господа	Госпође и гђе
Субота	Господа	Господа
Недеља	Господа	—

Купатило у кади могу госпође, госпођице и гоенода, осим недеље по подне, сваки дан употребљавати.

✱ Купање траје 1 сат. ✱

Купатило је зими отворено од 6 сахати ујутру до 6 у вече; лети од 5 сах. ујутру до 8 у вече. — Купалишнин бербер и по-слуга има се, по потреби, засебно награђивати.



Public Bath Advertisement
Sombor, Serbia



Public Bath Hamam
Sombor, Serbia



Vracar Baths
Belgrade 2020

what role can a public bath have in today's Belgrade?

22

how can such a project reflect on the current transformations of the city?

PROXIMITY
themes and scales

1

SCALE OF THE PROJECT / from detail to site

- Collective
- Bath house
- Commons
- Encounter
- Context
- Individual
- Hamman
- Shower
- Intimacy
- Care

City - Water
Infrastructure
Rivers
Bathing traditions
Cultural History

TANGENT POINT
design investigation

3

SCALES OF THE PROJECT
The Building, the body.
Perhaps during the design these scales
will get close to / hint at the other big-
ger scales of the city and the territory

TANGENT ZONE
Where intuition and deduction allow
to see the different scales as close to
each other: possible aim for the design.

INTERSECTIONS
punctual research

2

1. lateral plane
2. top plane
3. front plane

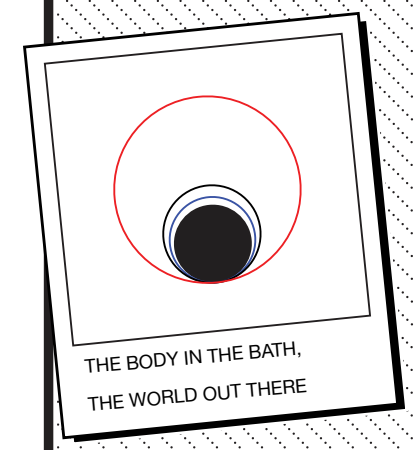
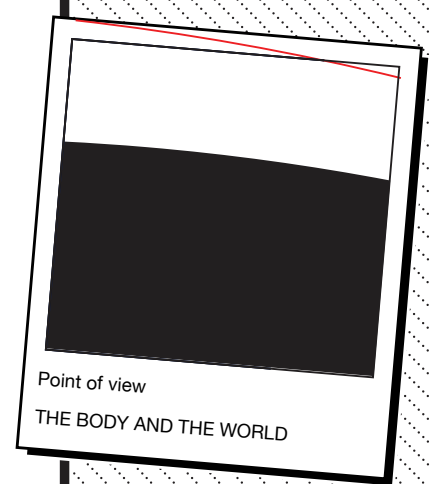
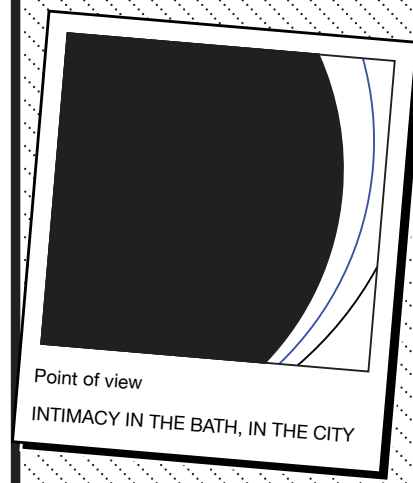
INTIMACY IN THE BUILD ENVIRONMENT
Individuals in the community scale

RELATION TO BELGRADE
The bath in the city
The city shores

RELATION TO THE WATER
Cultures of Bathing
Development of the city

1. identification of different scales, possibly
related to one another, intuition of relation
2. find intersections through research, aim at
connecting and relating scale to scale
3. study through design process a possible
perspective that frames the smallest scale in
the big scale and works on the tangent point

ANDREA FERRARINI RESEARCH PLAN 21.01.08
ORTHOGONAL PROJECTIONS OF SCALES IN THREE POINTS OF VIEW
MEDIATING INBETWEEN A SMALL SCALE AND A LARGE SCALE THROUGH ARCHITECTURE. (AND ACKNOWLEDGING A BIGGER SCALE)



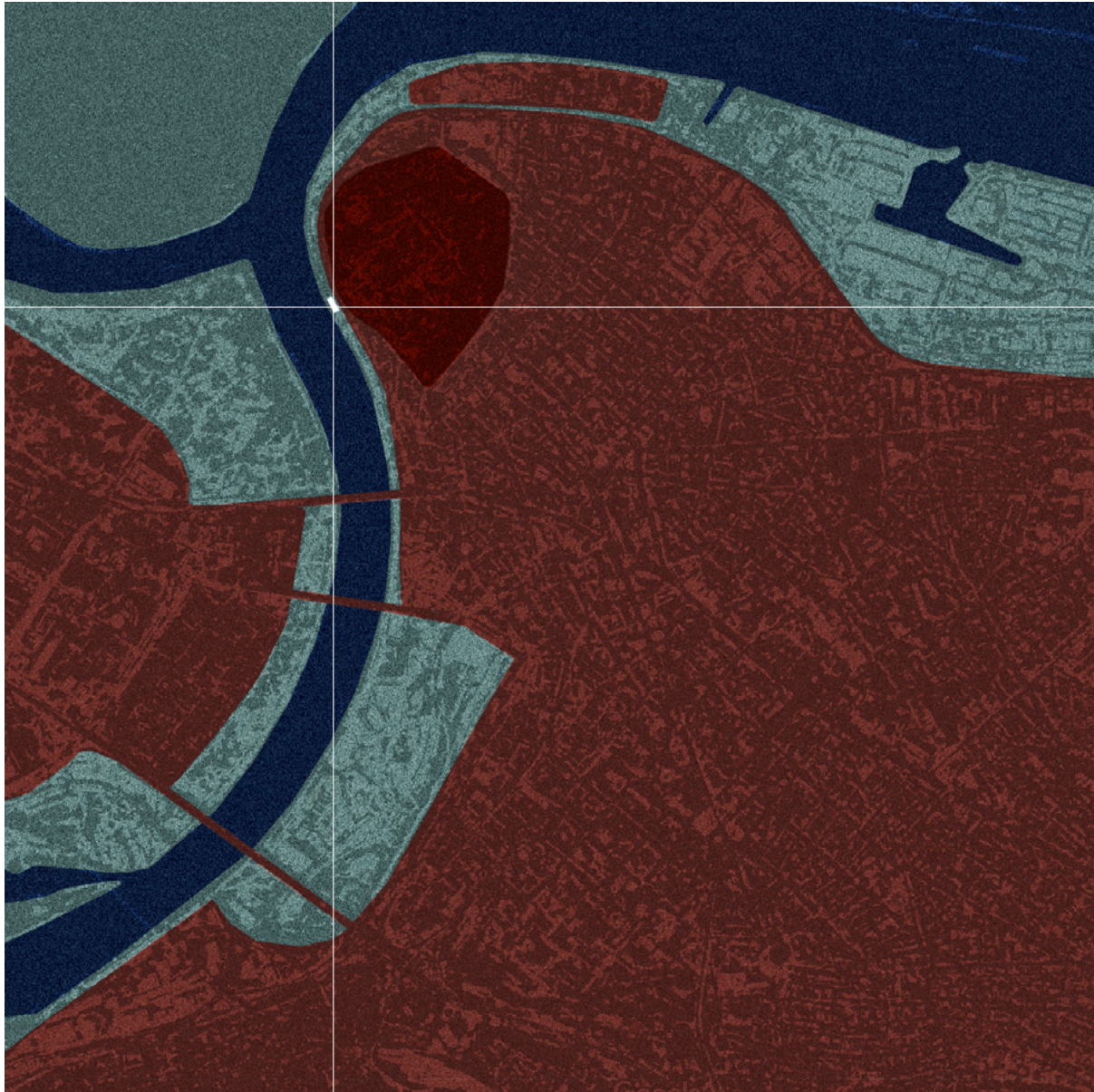
~~00 LEARNING FROM A
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~~01 THE CITY AND THE RIVERS~~

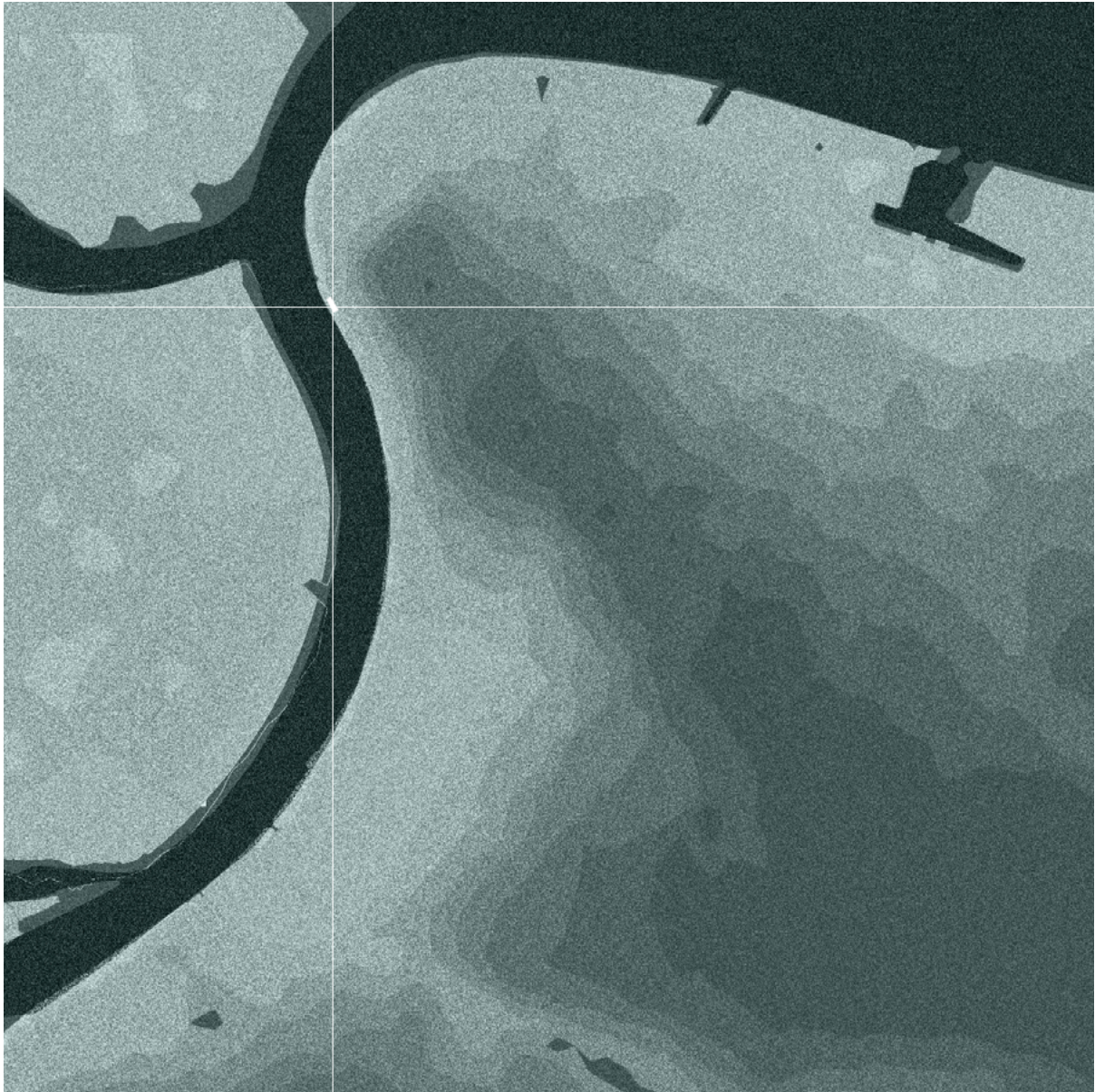
~~02 THE BATHS IN THE CITY~~

03 A BATH BY THE RIVER

04 THE SKY BEYOND THE DOME

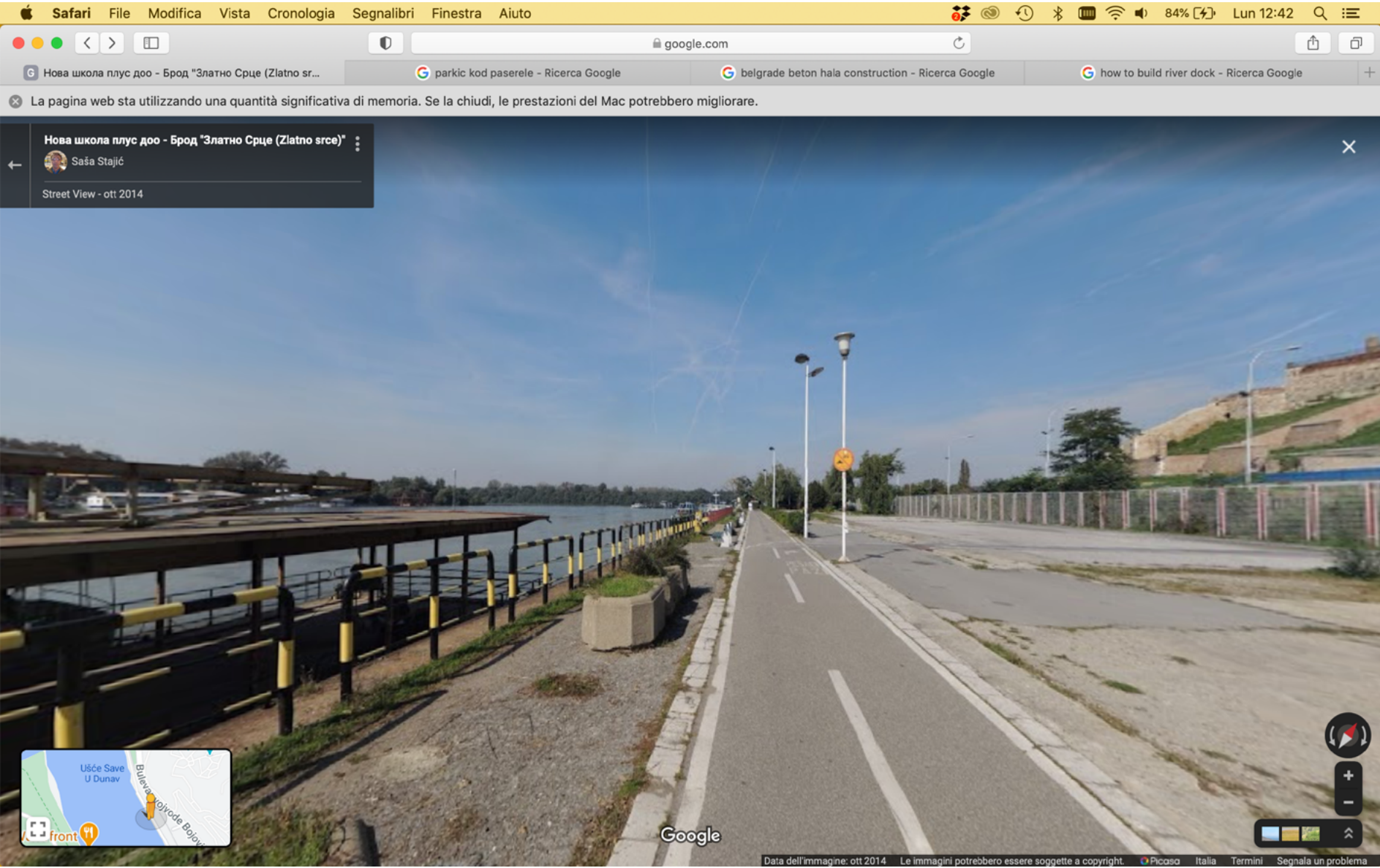


THE GREY SHORES, INBETWEEN THE CITY AND THE RIVER
Belgrade, 2020



INBETWEEN THE RIVER AND THE HILL
Belgrade, 2020





THE DOCK
2020

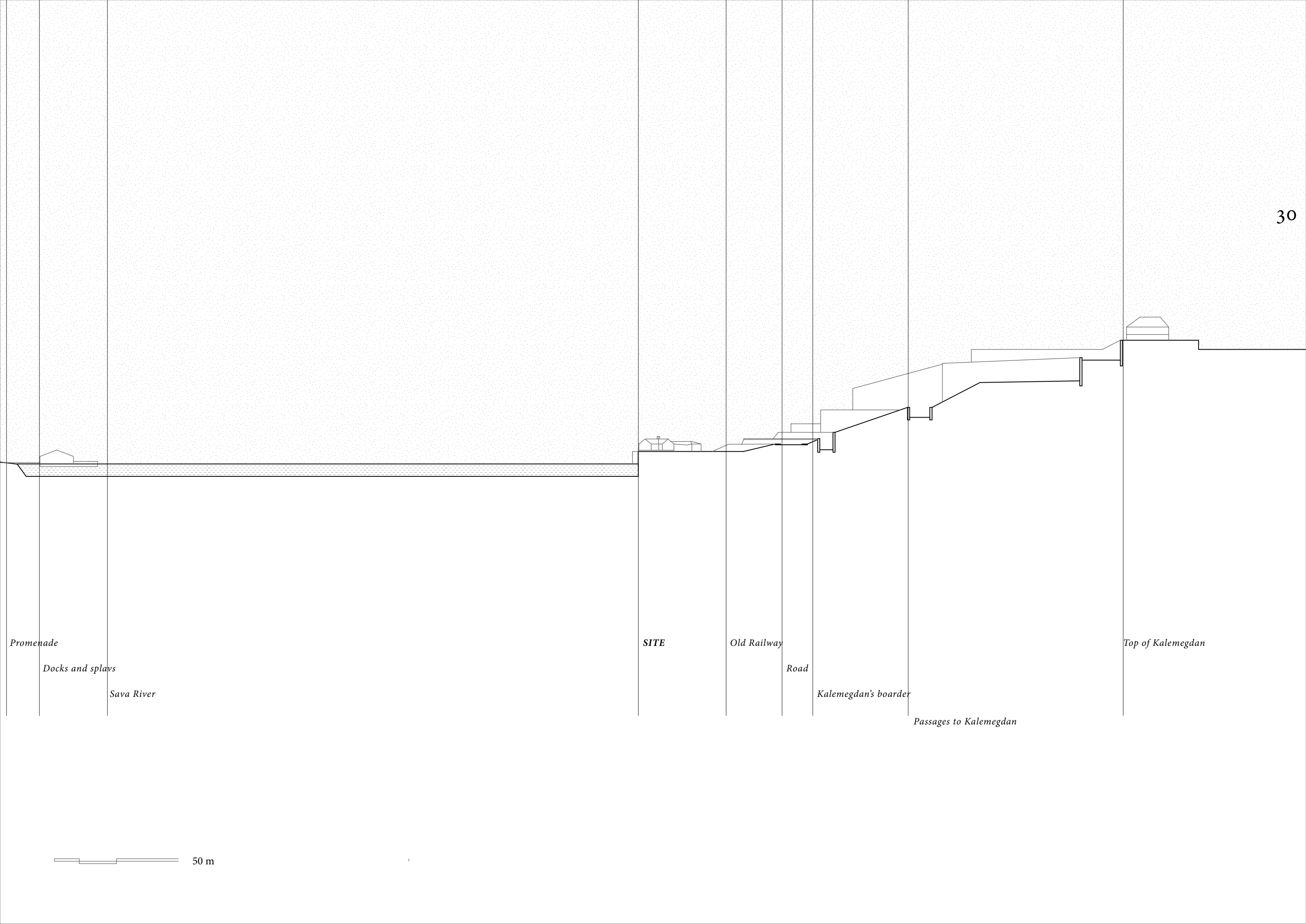


MASTER PLAN FOR A LINEAR PARK ALONG THE OLD RAILWAY
Belgrade, 2023

THE CITY AND THE RIVER



THE LINEAR PARK
2023



30

Promenade

Docks and splavs

Sava River

SITE

Old Railway

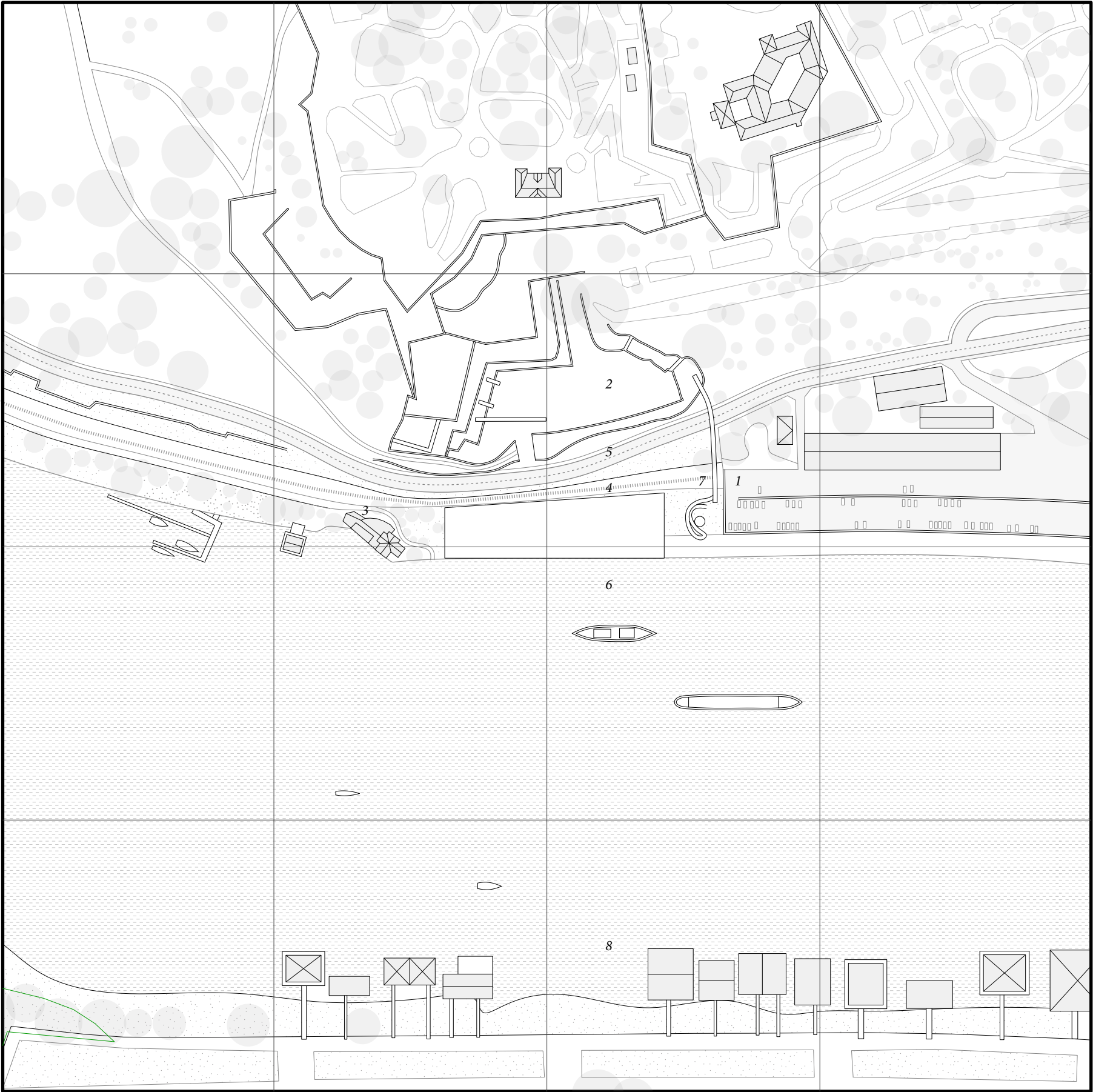
Road

Kalemegdan's boarder

Passages to Kalemegdan

Top of Kalemegdan

50 m



100 m



- 1. Beton Hala
- 2. Kalemegdan Fortress
- 3. Bela Vista Restaurant
- 4. The Old Railway
- 5. The road
- 6. The river
- 7. The connection to Kalemegdan Fortress
- 8. The Splavovi



BELLAVISTA RESTAURANT
Belgrade 2020



BETON HALA
Belgrade 2020

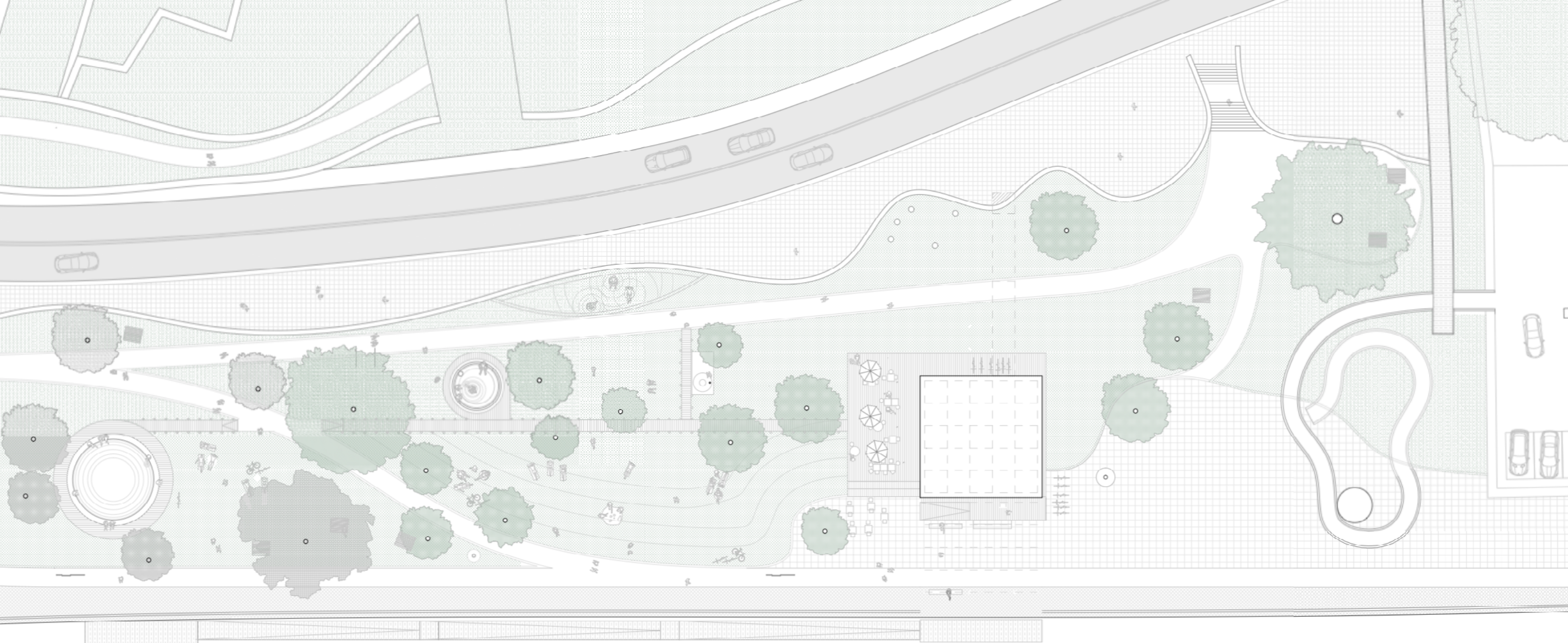


*KALEMEGDAN FORTRESS
Belgrade 2020*



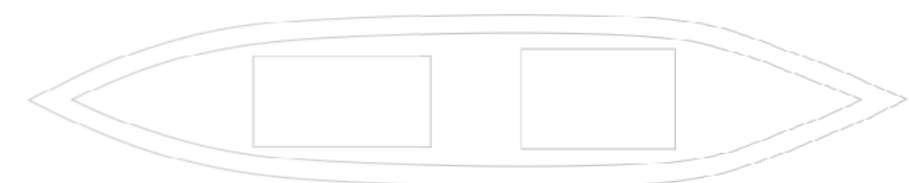
*SPLAVOVI ON THE SAVA
Belgrade 2020*

freeing the dock



0 10 m

FREEING THE DOCK
MARKING THE SITE

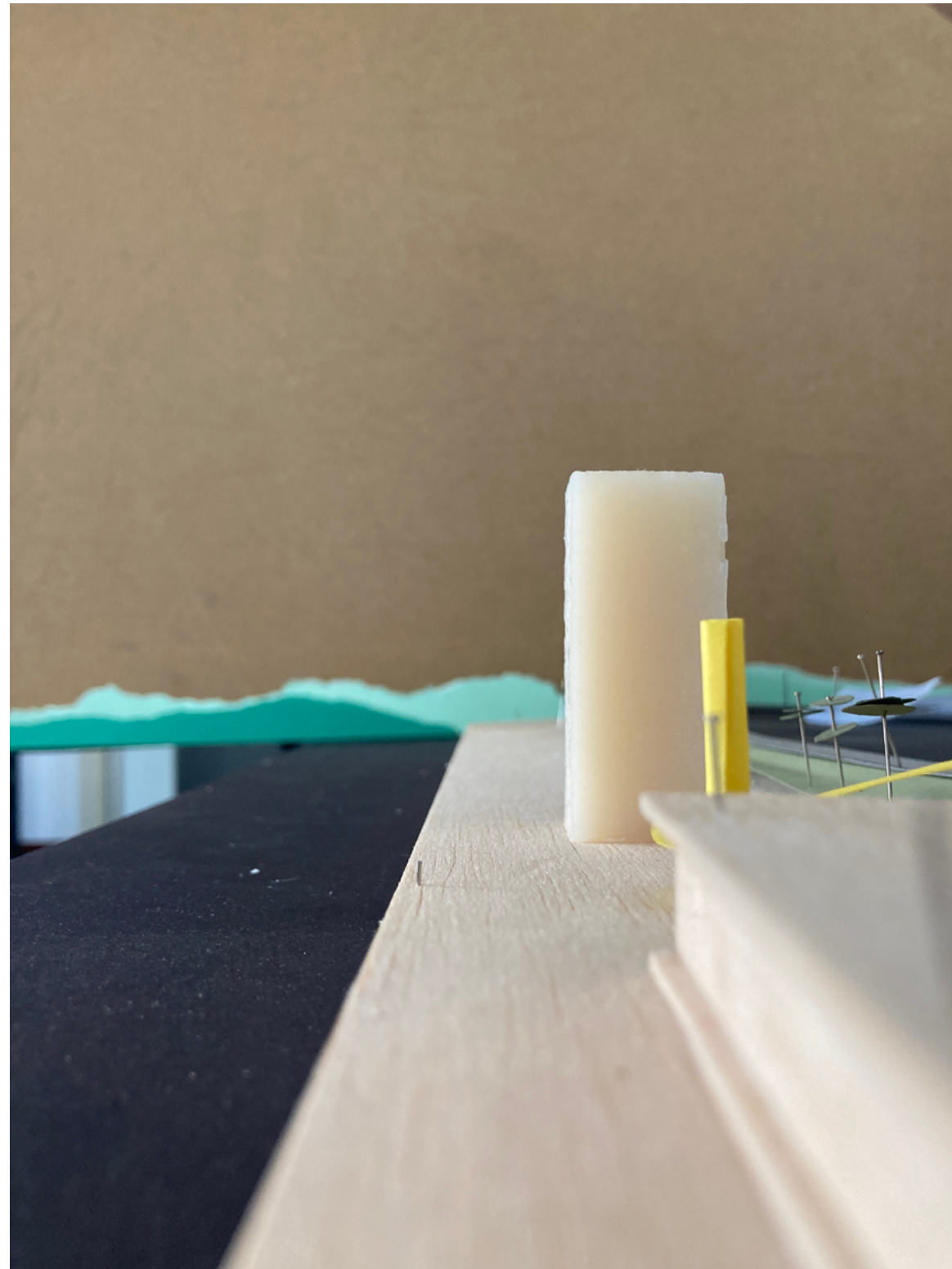




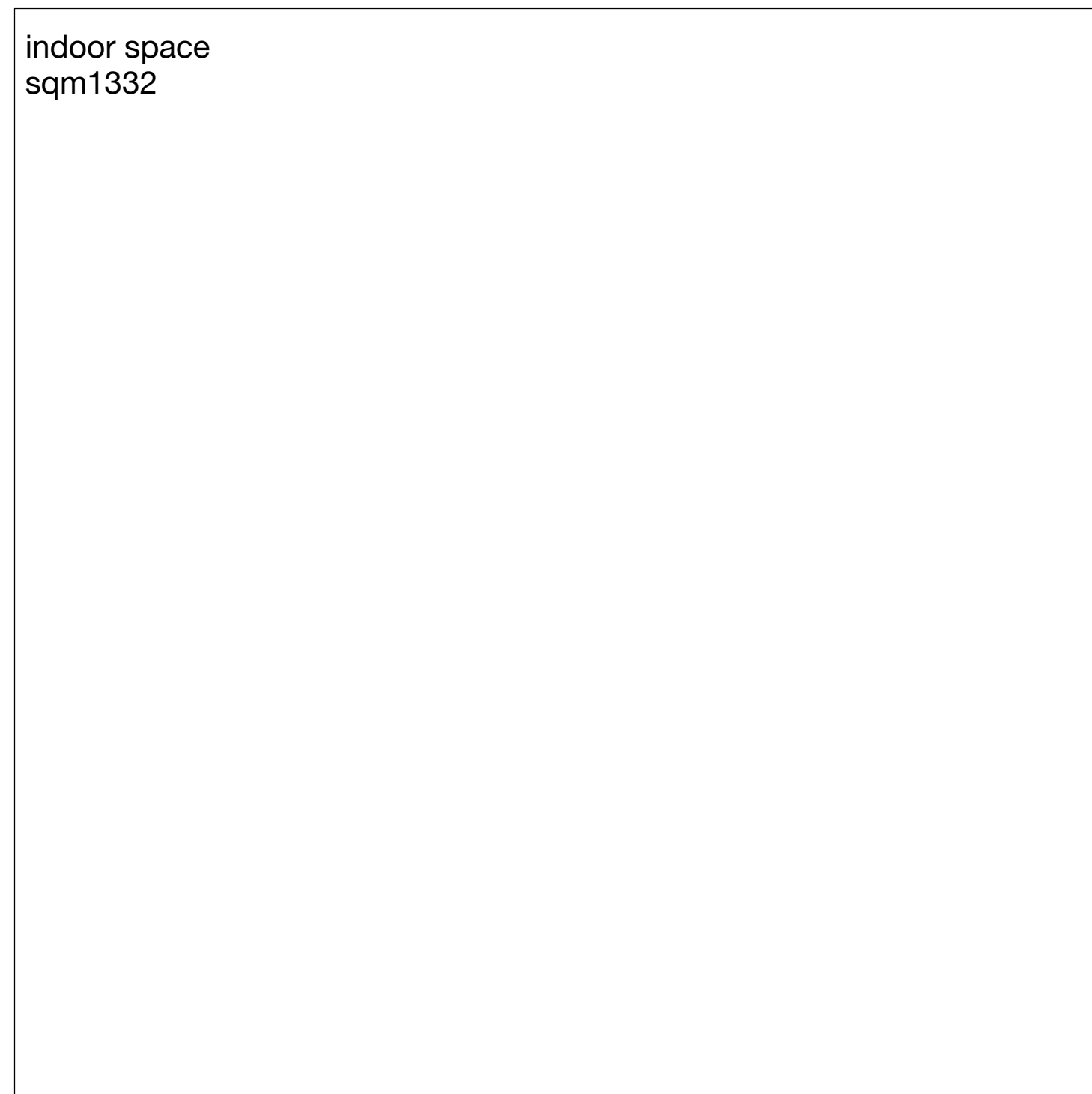
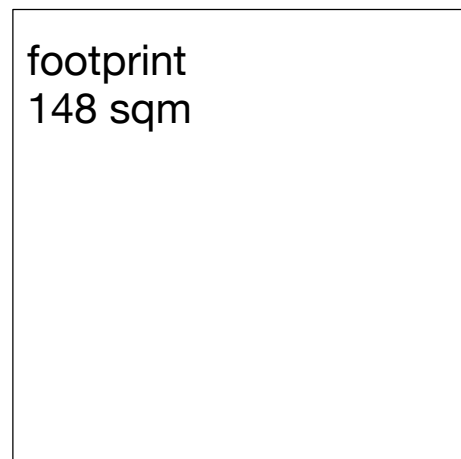
BETWEEN A WALL AND THE EDGE
View from the Sava Promenade

park
2550 sqm

footprint
148 sqm



*A SIGNPOST AT THE END OF THE PROMENADE
View from the roof of Beton Hala*





HORIZONTAL LANDSCAPES
View from the Sava Promenade



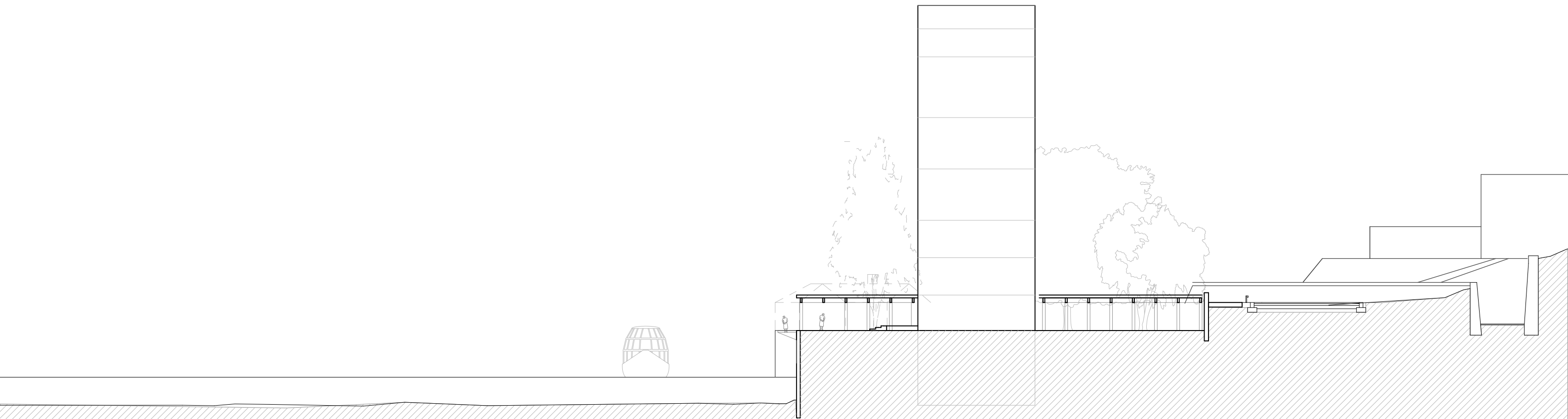
VERTICAL ELEMENTS
View from Kalemegdan Fortress



The Park

The Promenade





0 10 m

ANCHORING ELEMENTS





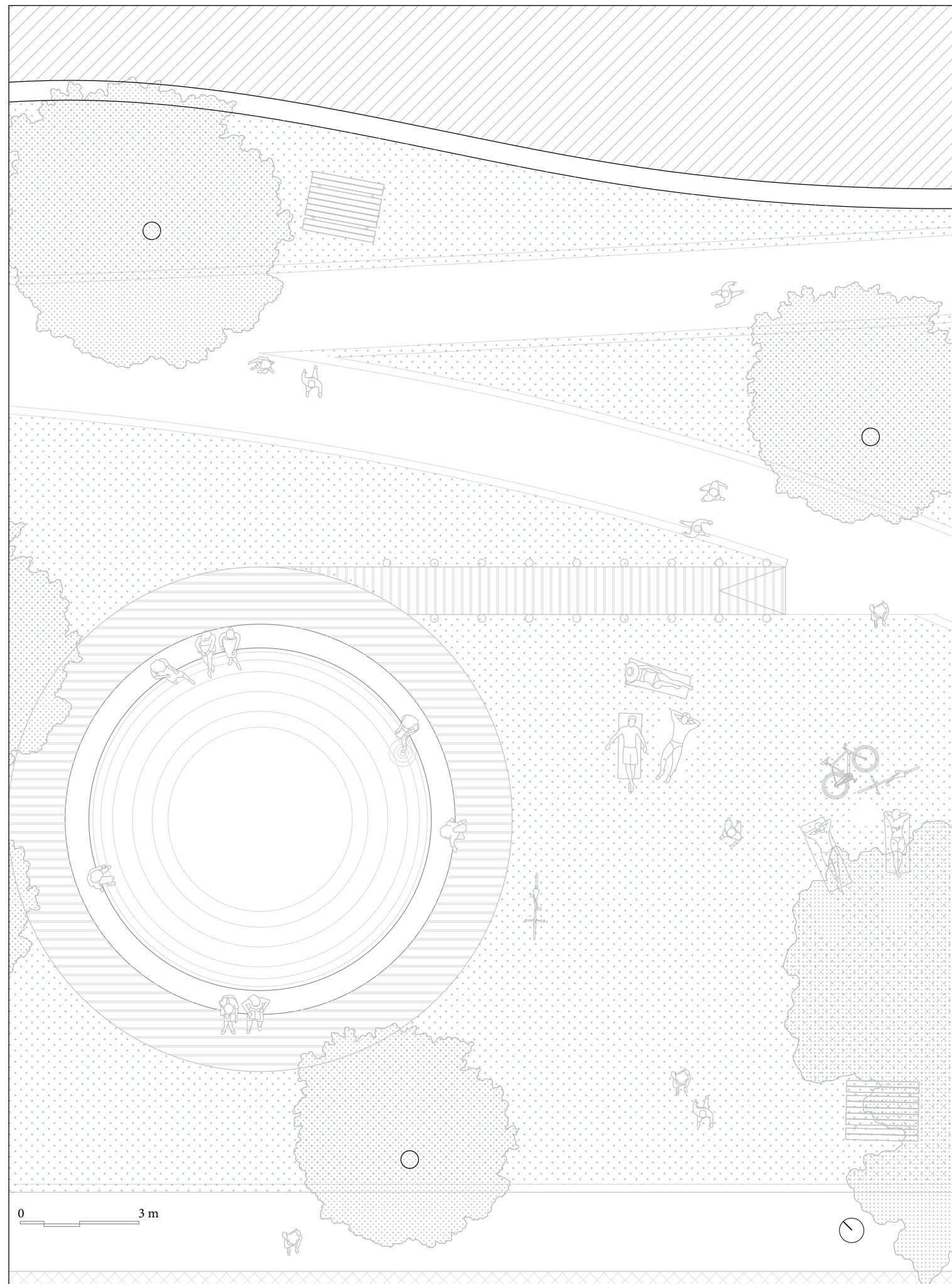
A PARK, A TOWER, AND A PIER

0 10 m



THRESHOLD	SPACE	CLIMATE
individual	Changing cabinets	dry fresh
individual	Shower Bath	wet
collective	Frigidarium, Tepidarium Calidarium Hammam	warm moist
collective	Changing rooms Locker rooms Living rooms	dry fresh
urban	Loggia Terrace Balcony Park	fresh

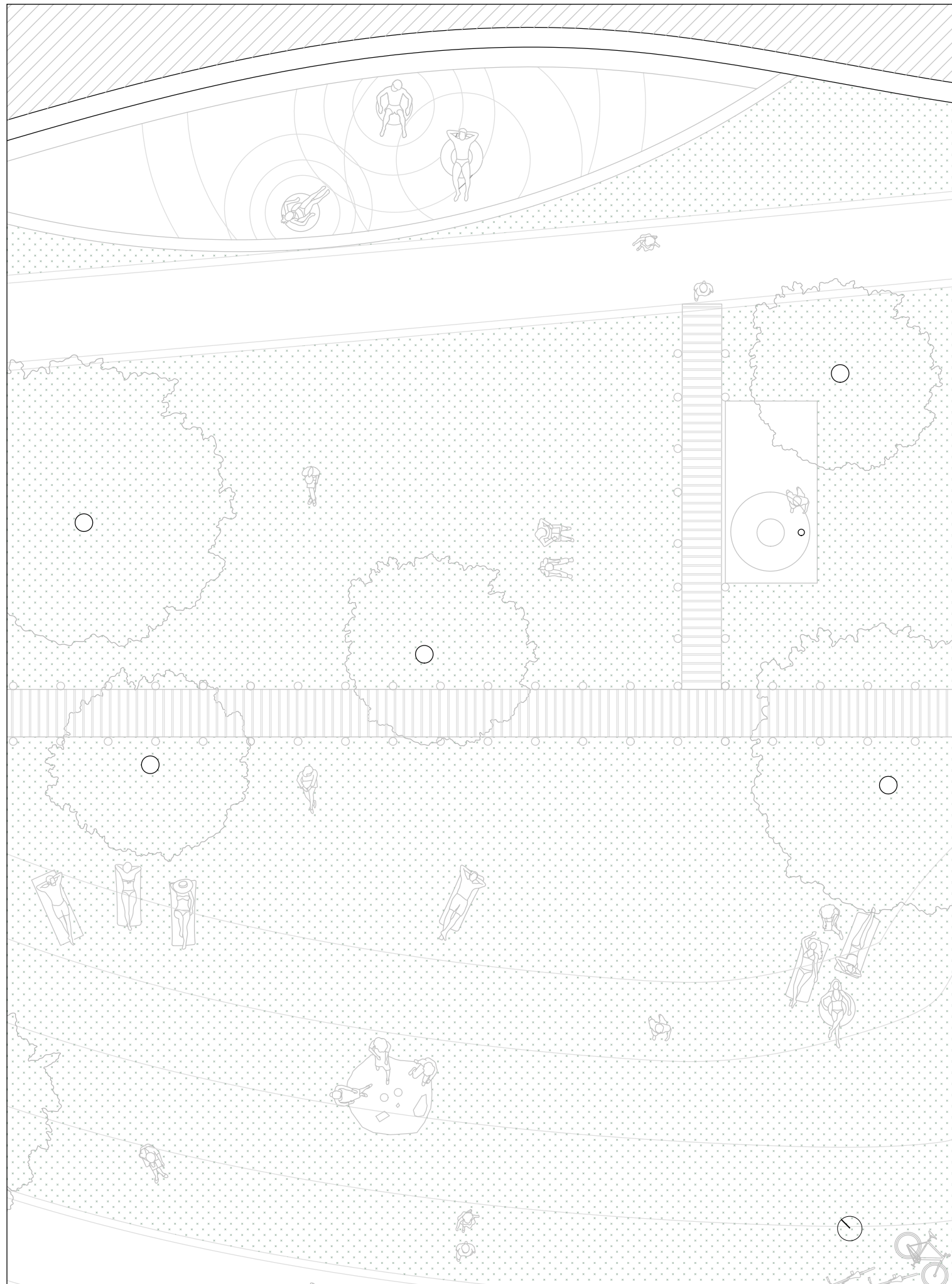
PROGRAM



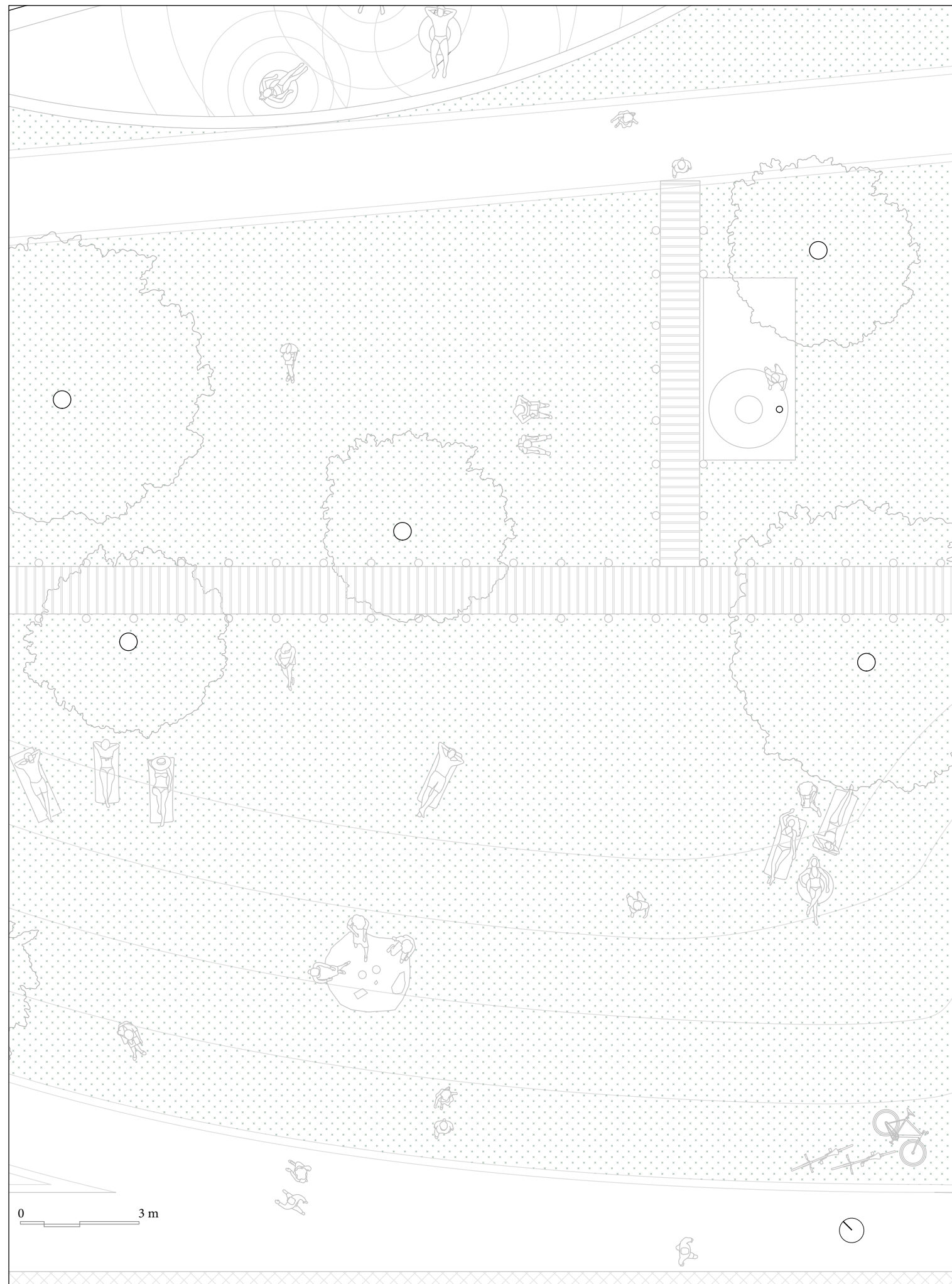
A LARGE FOUNTAIN
View from the Promenade



A FREESTANDING WATER TANK
View from the loan



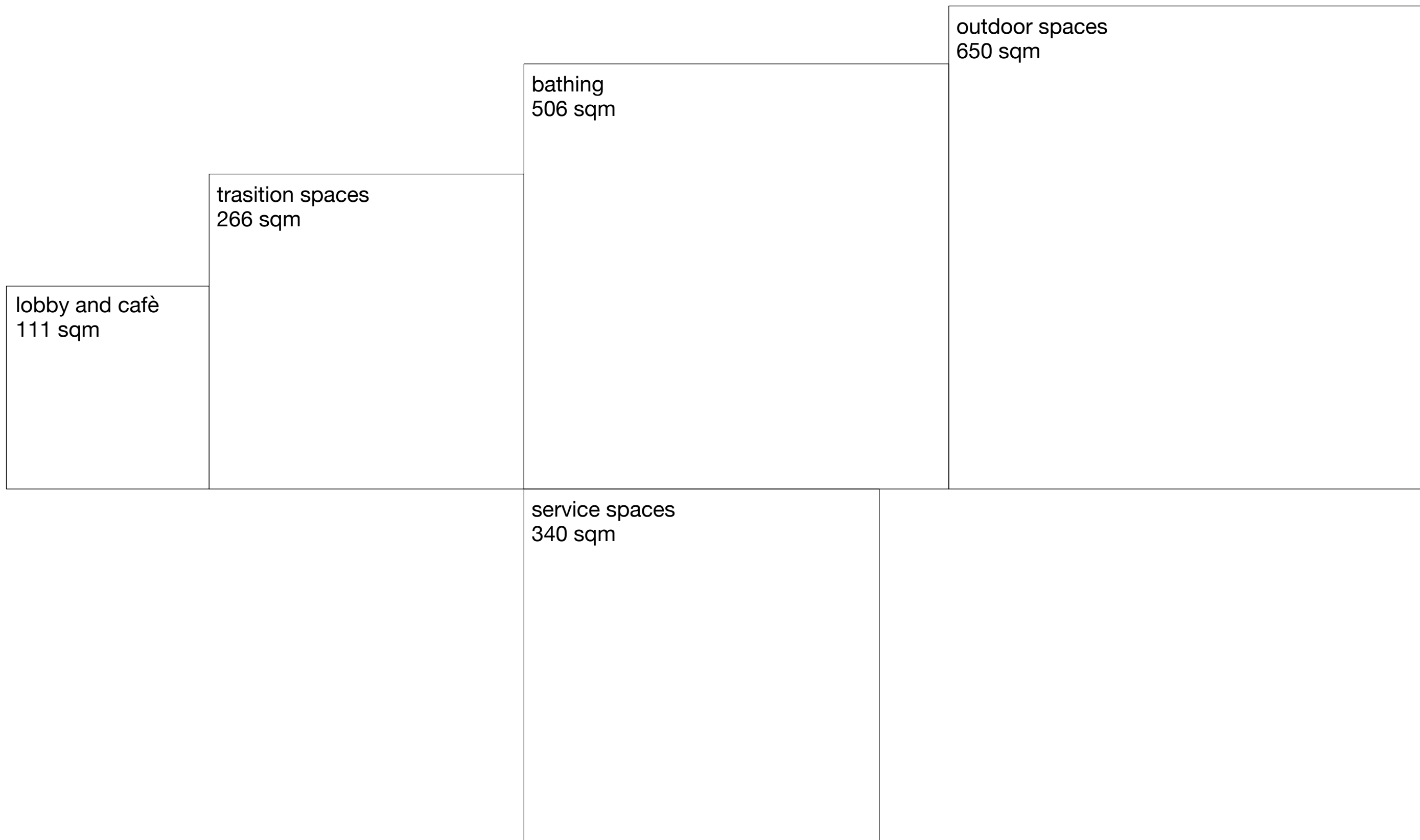
AGAINST THE WALL
View from the Tower



A SHOWER AMONG THE TREES
View from the Pier



OPEN CLIMATES VS. CONTROLLED ATMOSPHERES
View from Kalemegdan Fortress



layering systems:

52

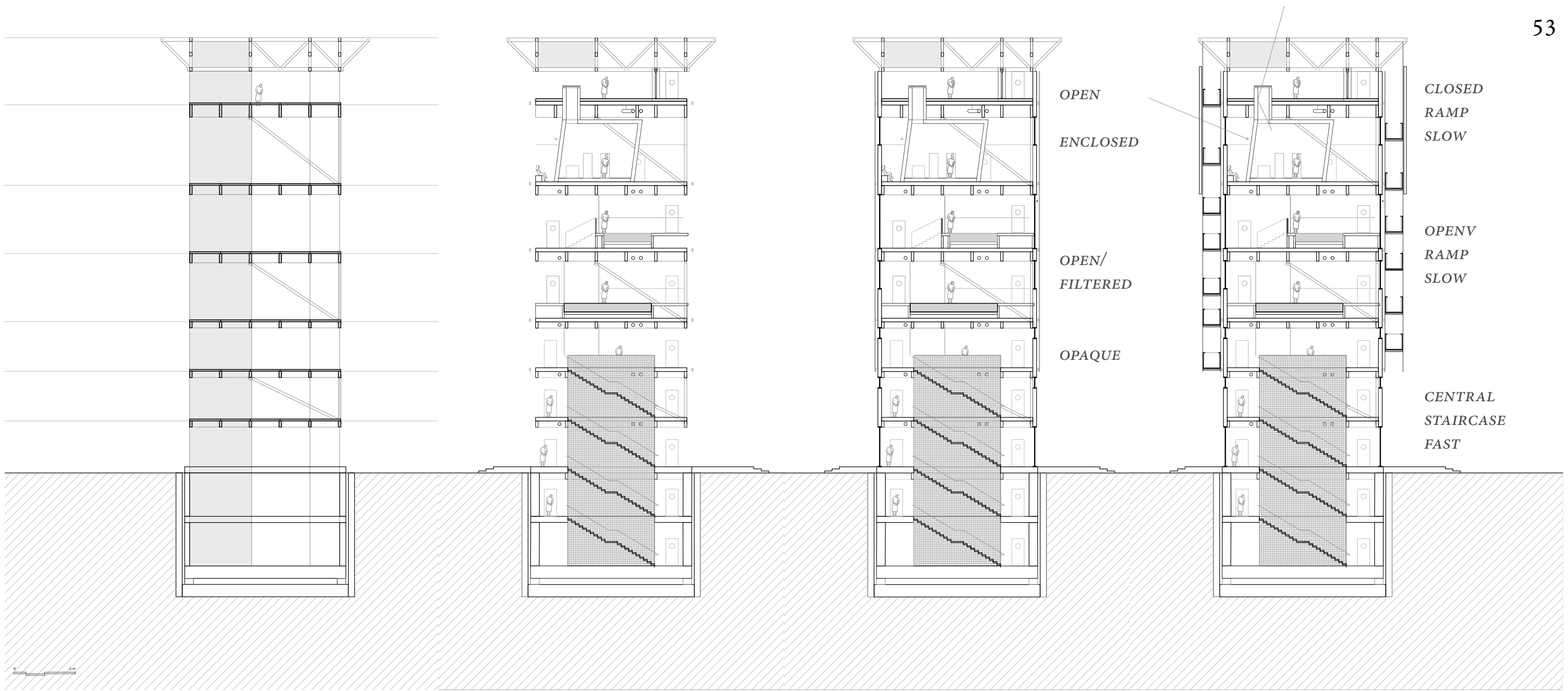
structure, tanks, fassade, circulation

01. SHELF
WOODEN STRUCTURE
AND STEEL HAT TRUSS

02. BOX AND WATER TANKS
SECONDARY CONSTRUCTION
CLT STRUCTURES

03. FASSADE
PREFABRICATED WOODEN PANELS
MOUNTED FROM THE OUTSIDE

04. EXTERIOR ROUTE
STEEL CONSTRUCTION
HANGING FROM HAT TRUSS

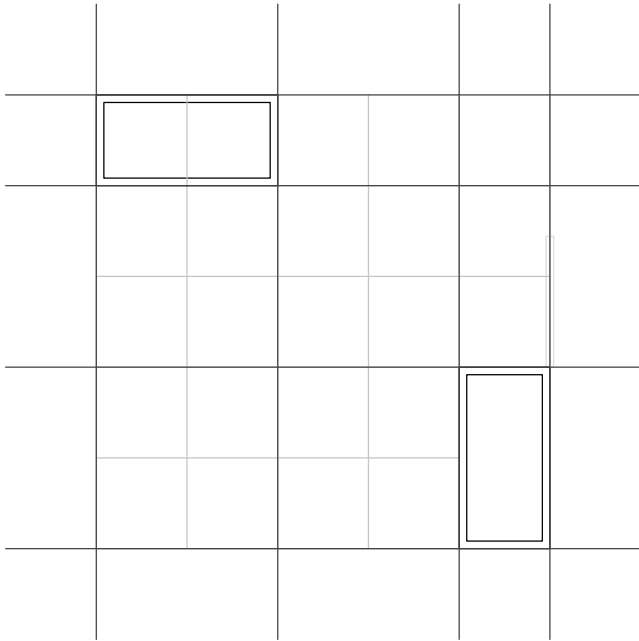


LAYERING OF CONSTRUCTION SYSTEMS

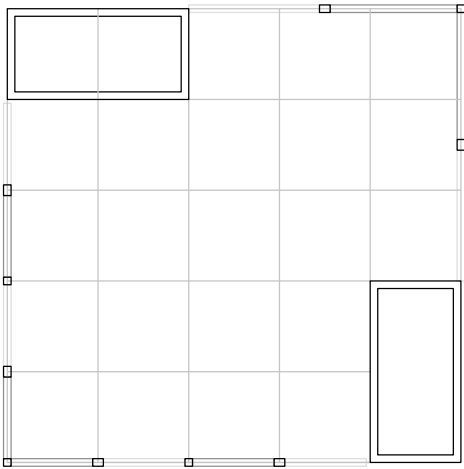


THE STRUCTURE
Boat view

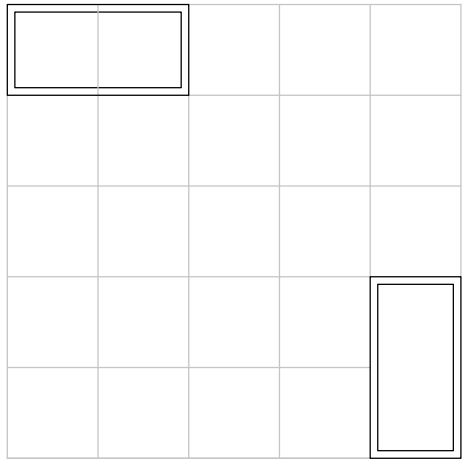
HAT TRUSS
STEEL



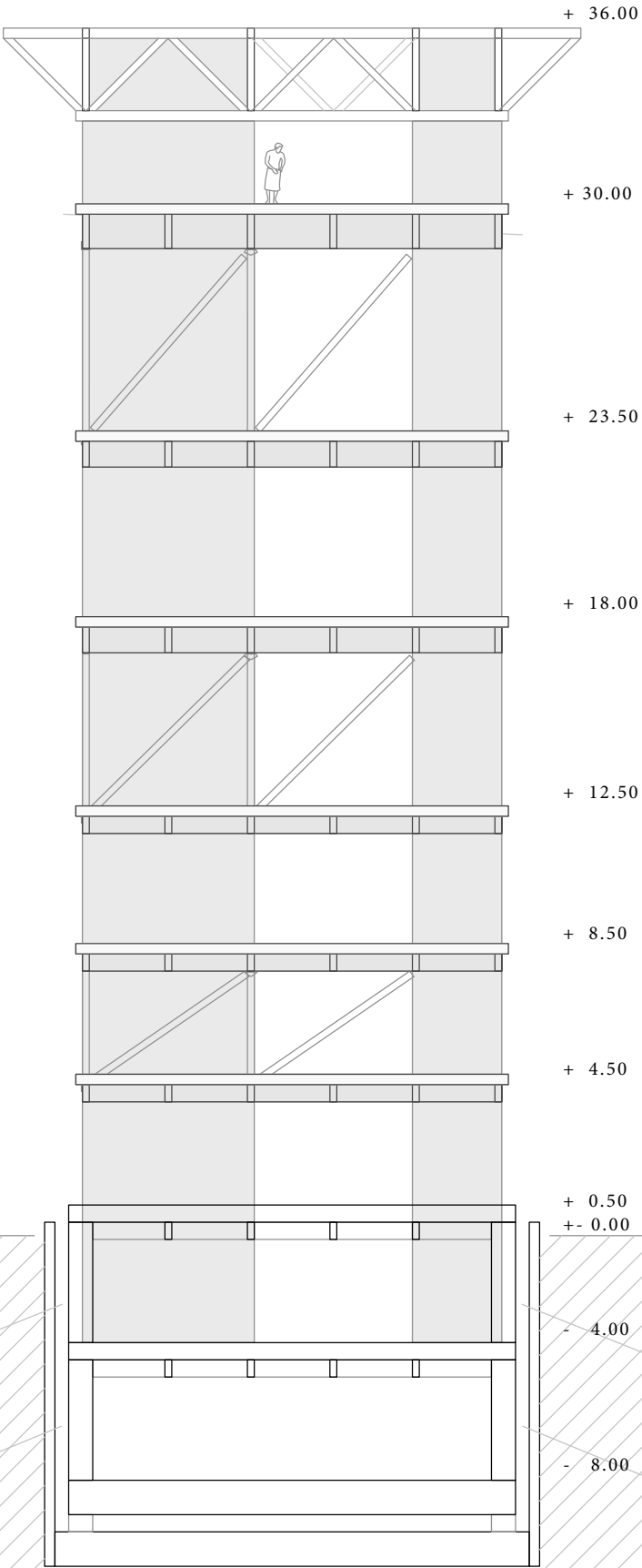
FLOORS AND BRACINGS
CLT BEAMS



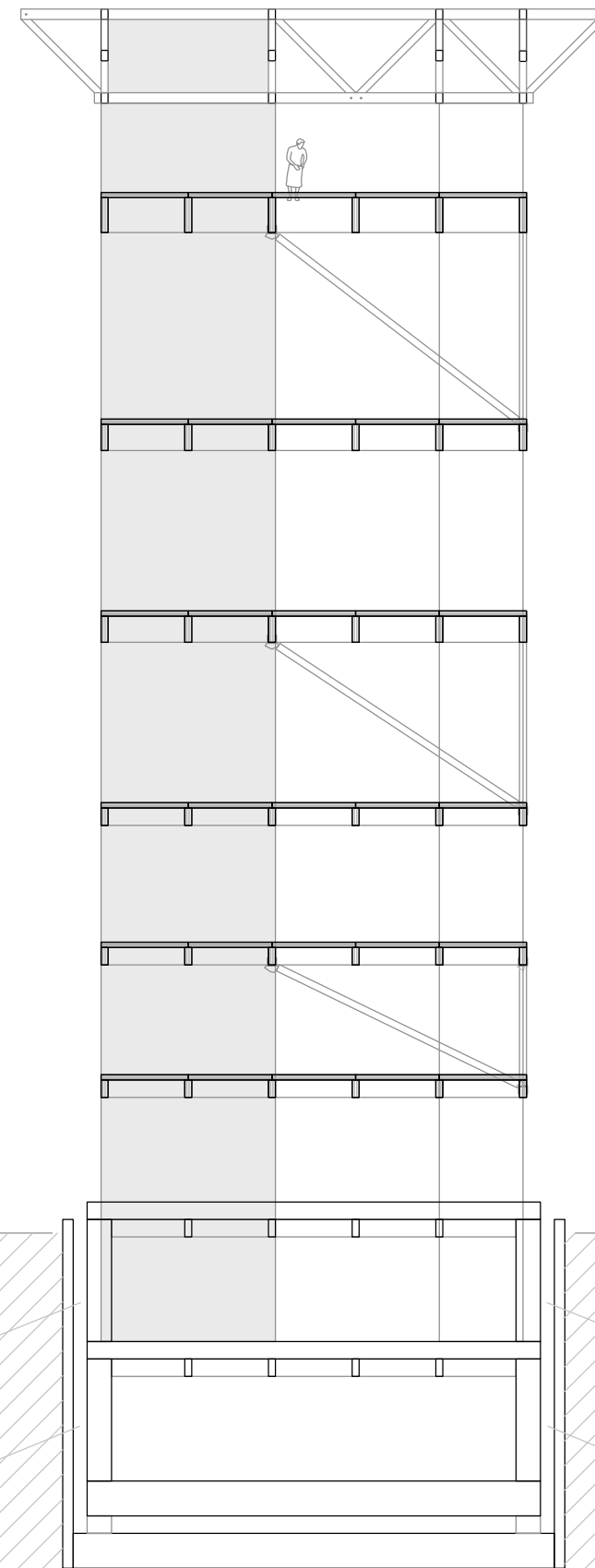
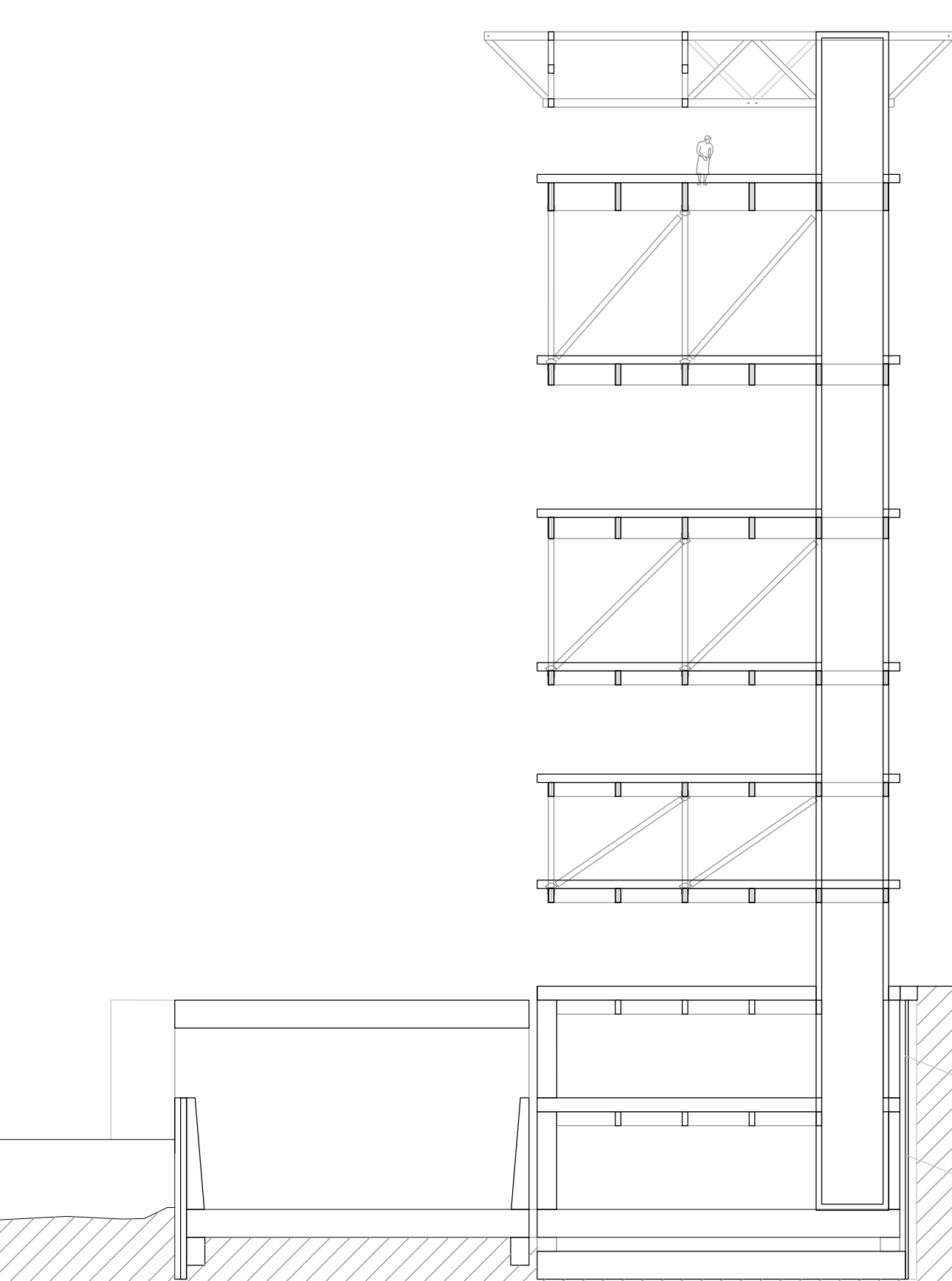
CORES
CLT PLATES



0 5 m



0 5 m





FIRST LAYER OF FASSADE
Boat view

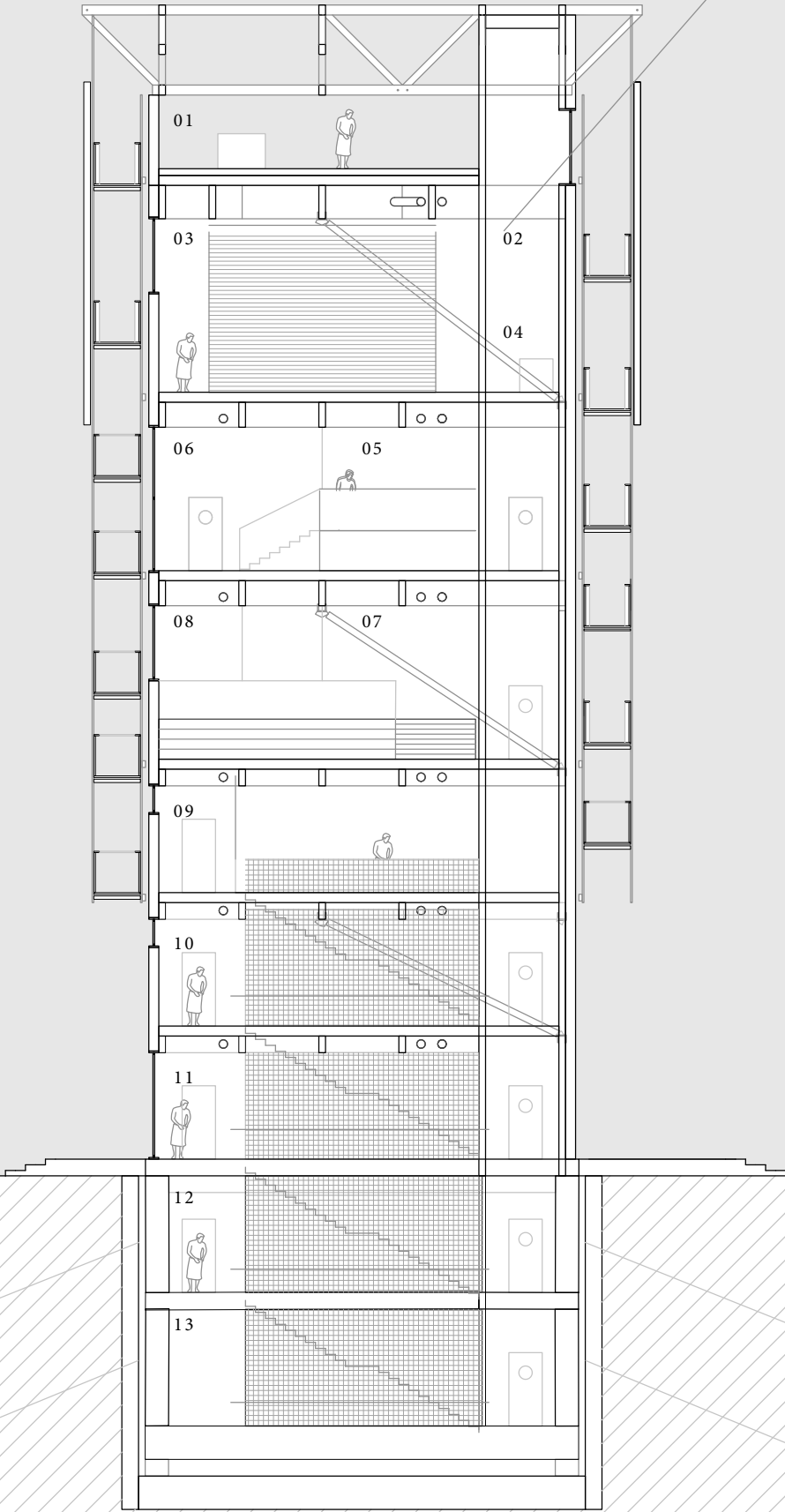


STEEL ROUTES
Boat view

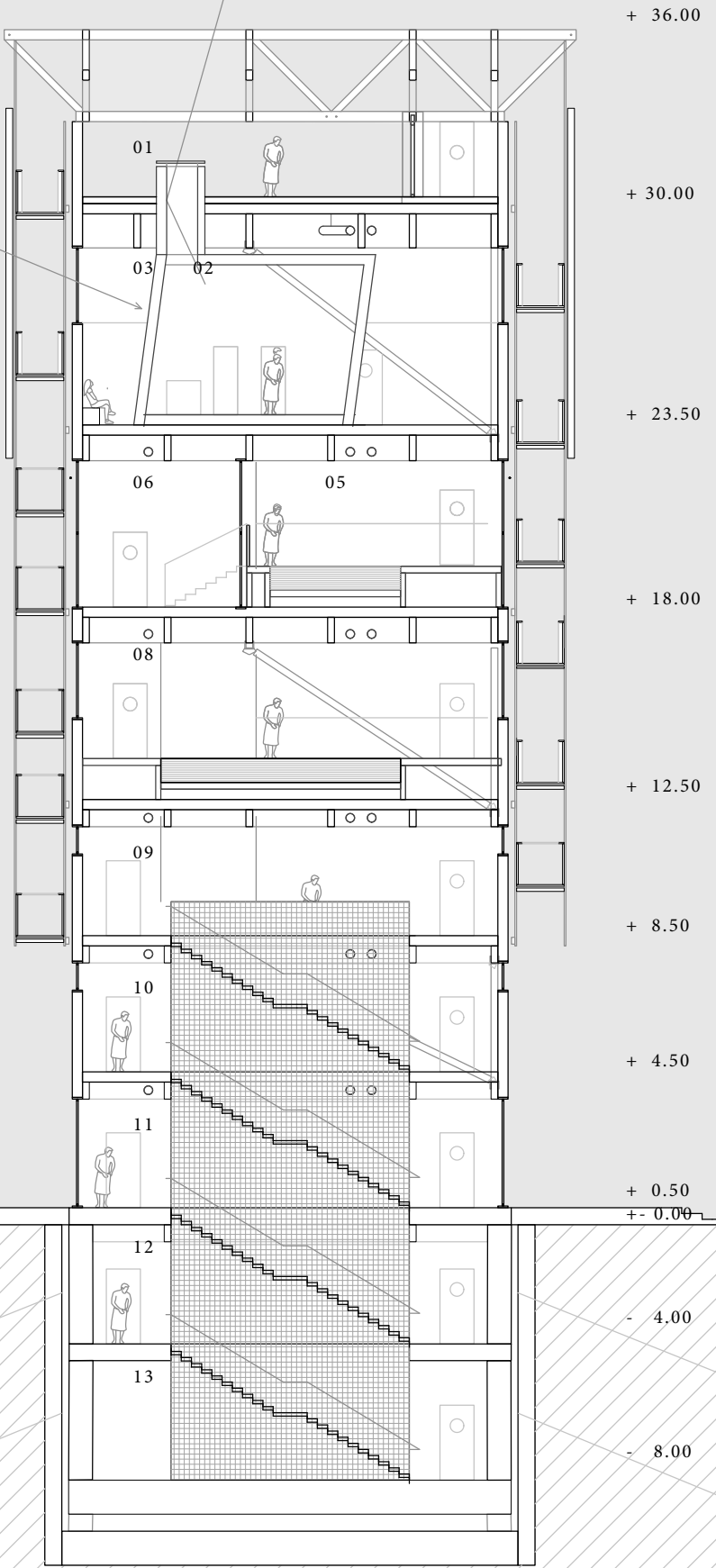


MESH TANK
Boat view

- 01 SOLARIUM
- 02 LIGHT WELL
- 03 RESTING SPACE
- 04 FOUNTAIN
- 05 HOT BATHS
- 06 LOGGIA TO THE PARK
- 07 COLD BATH
- 08 STEPS TO THE SAVA
- 09 BATHS AND SHOWERS
- 10 LOCKERS
- 11 LOBBY AND CAFè
- 12 POOL TO THE RIVER
- 13 MACHINERY

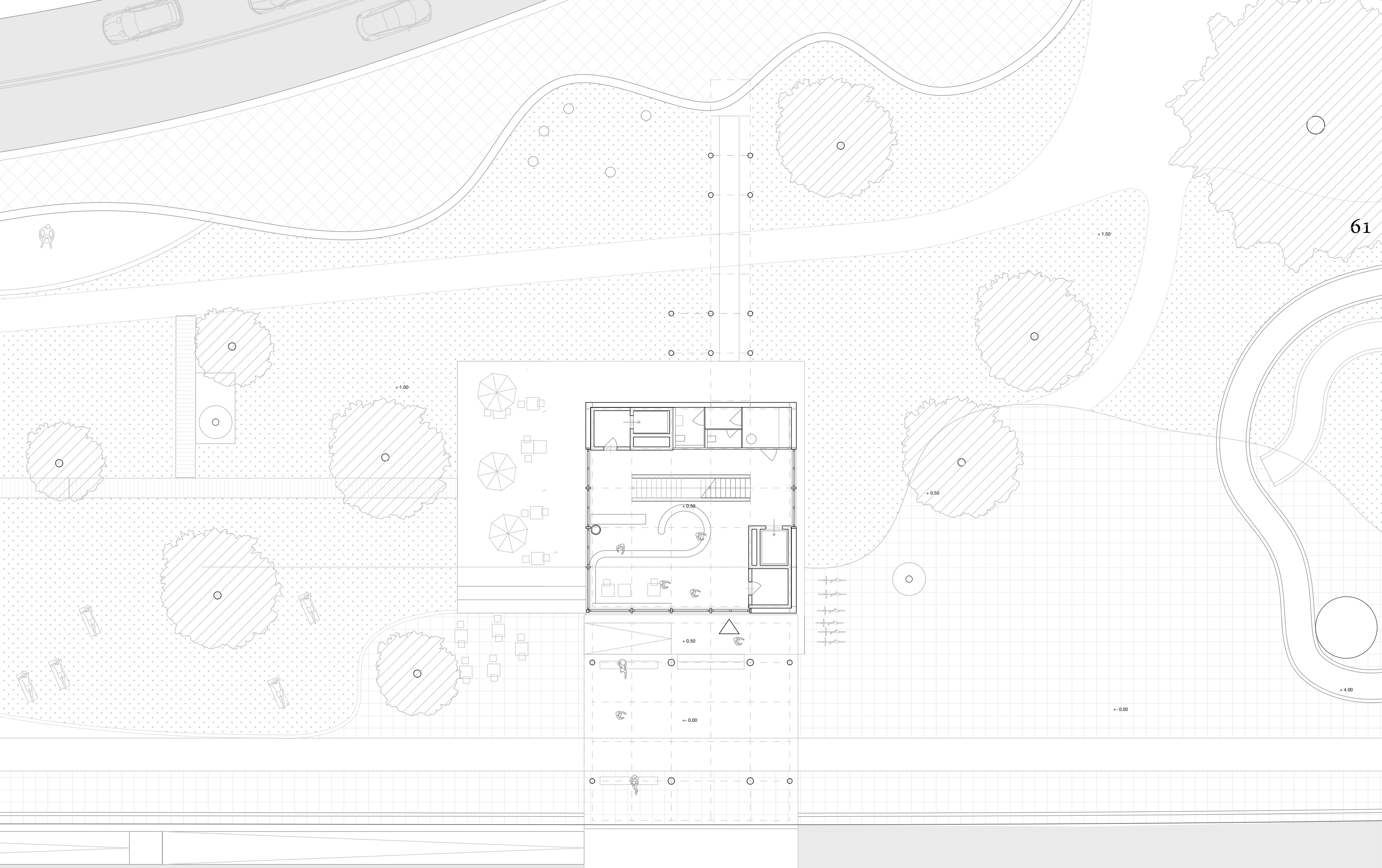


0 5m



- + 36.00
- + 30.00
- + 23.50
- + 18.00
- + 12.50
- + 8.50
- + 4.50
- + 0.50
- + 0.00
- 4.00
- 8.00

0 5m



0 5 m

IMPLANTATION





APPROACHING FROM THE SAVA PROMENADE
View From the new connection



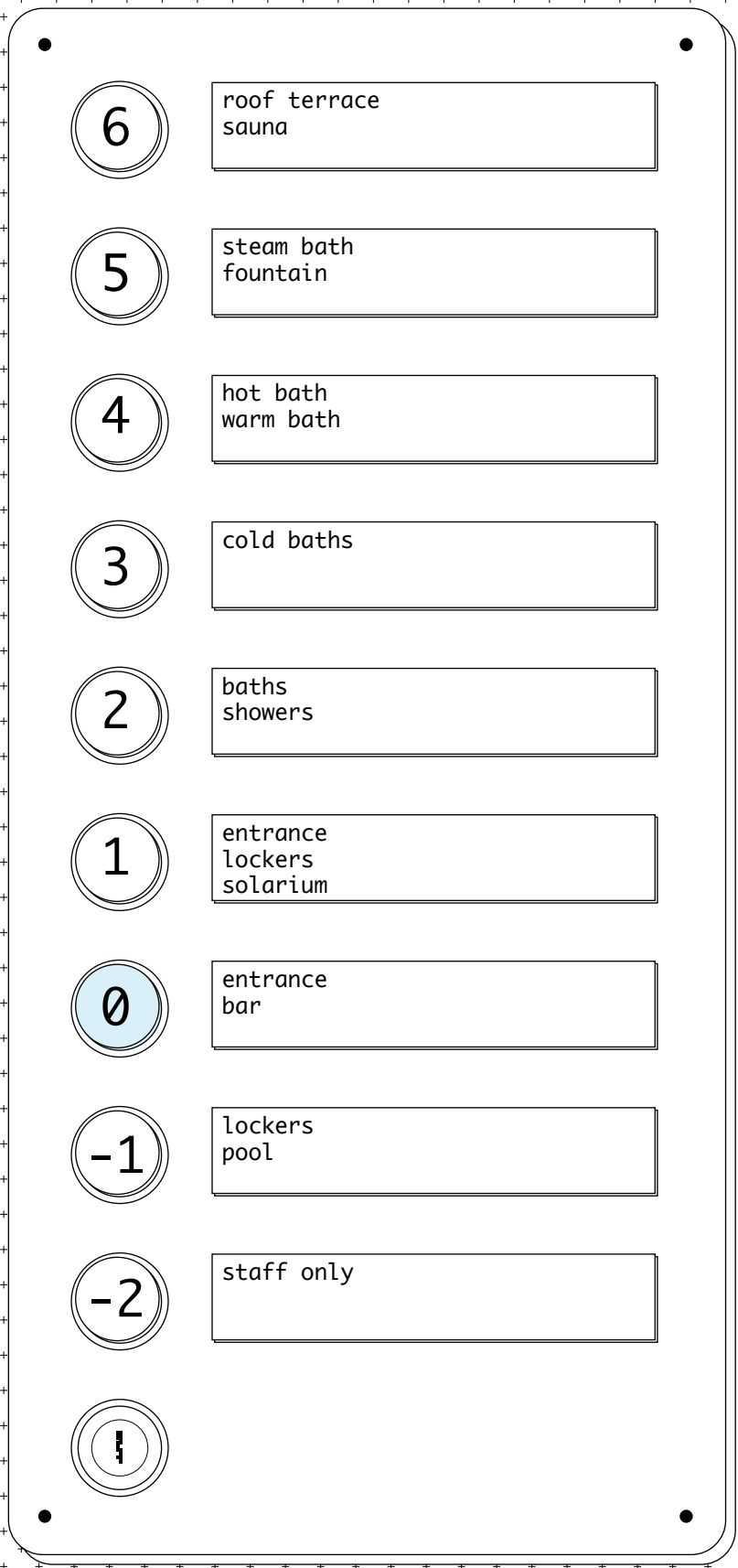
MAIN ENTRANCE TO THE TOWER
Back to the Sava River

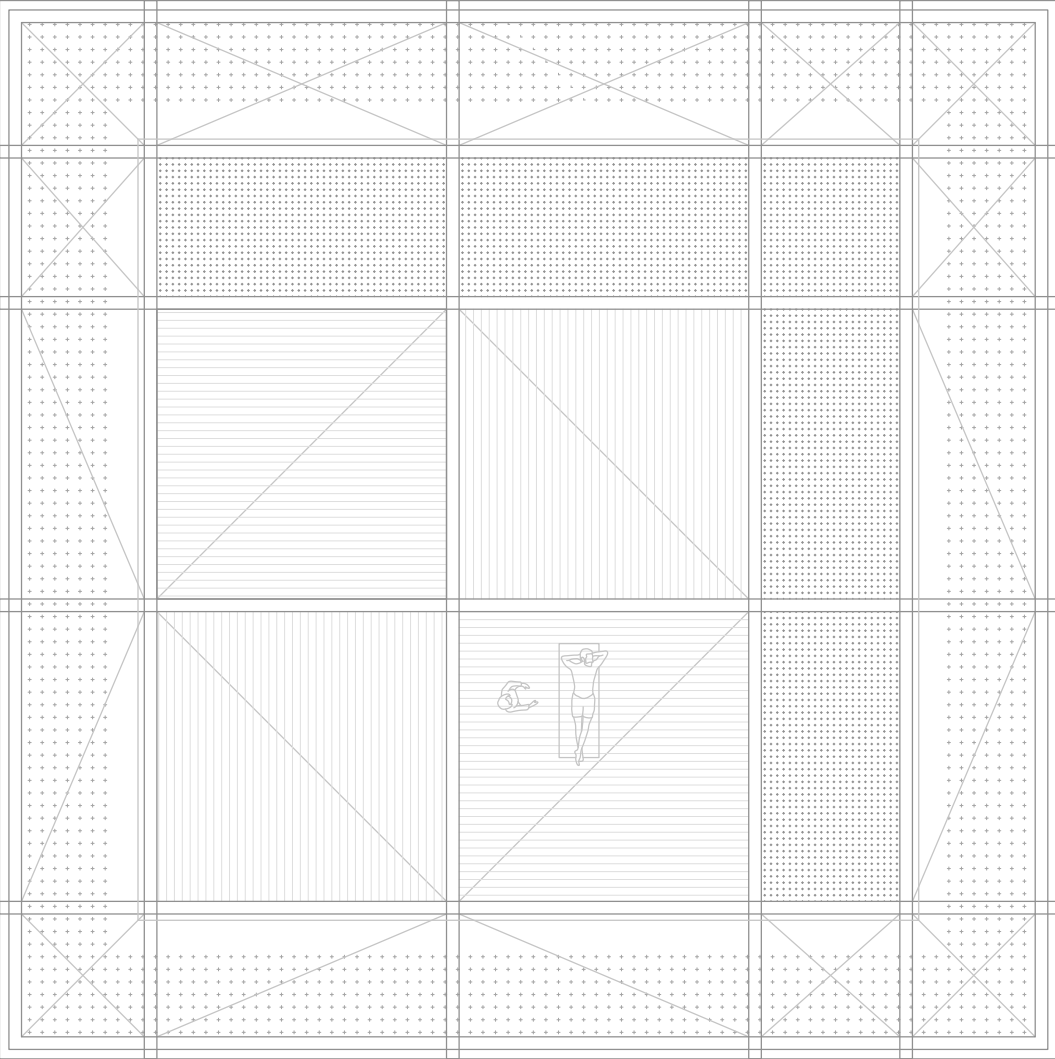
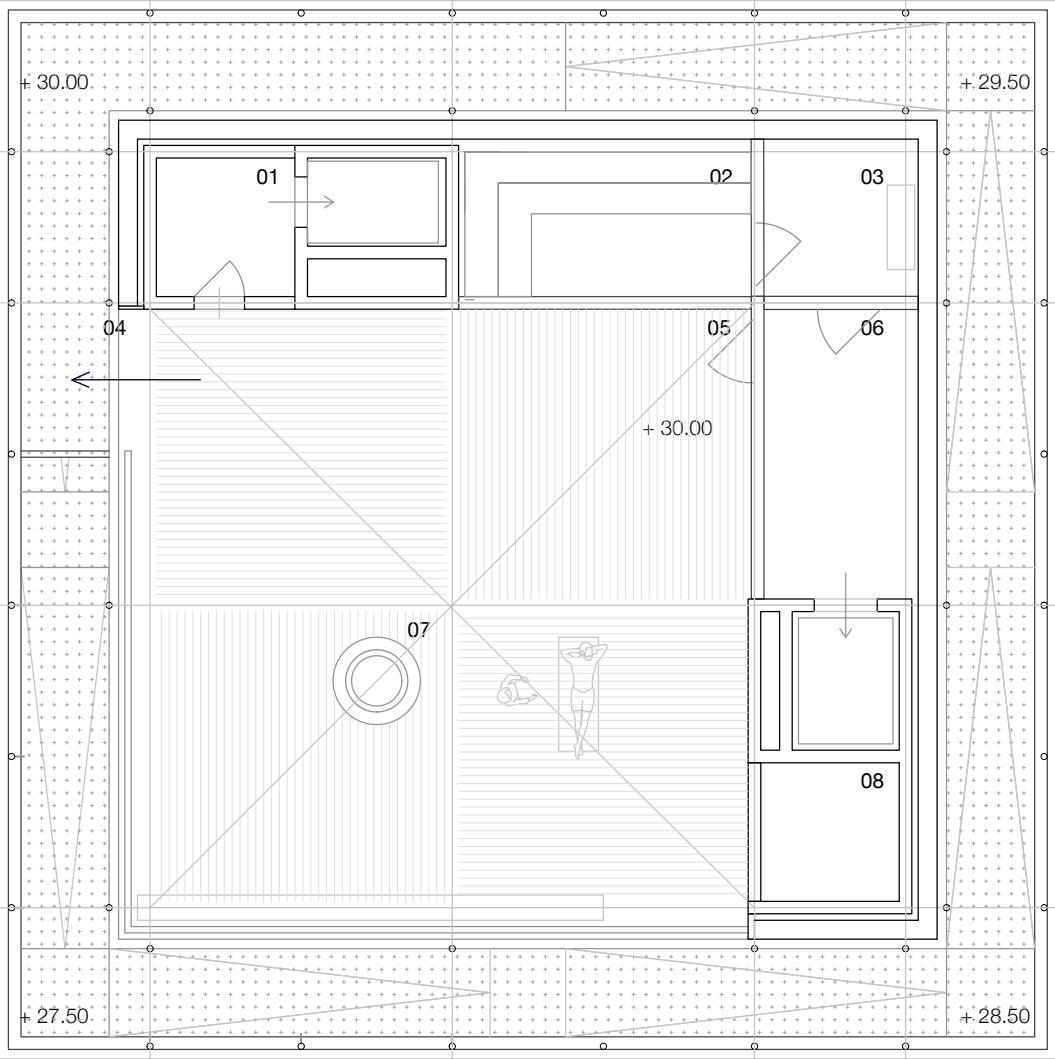


*APPROACHING FROM THE ROOF OF BETON HALA
View from the parking lot*



*ENTRANCE AT THE STREET LEVEL
View from the street*



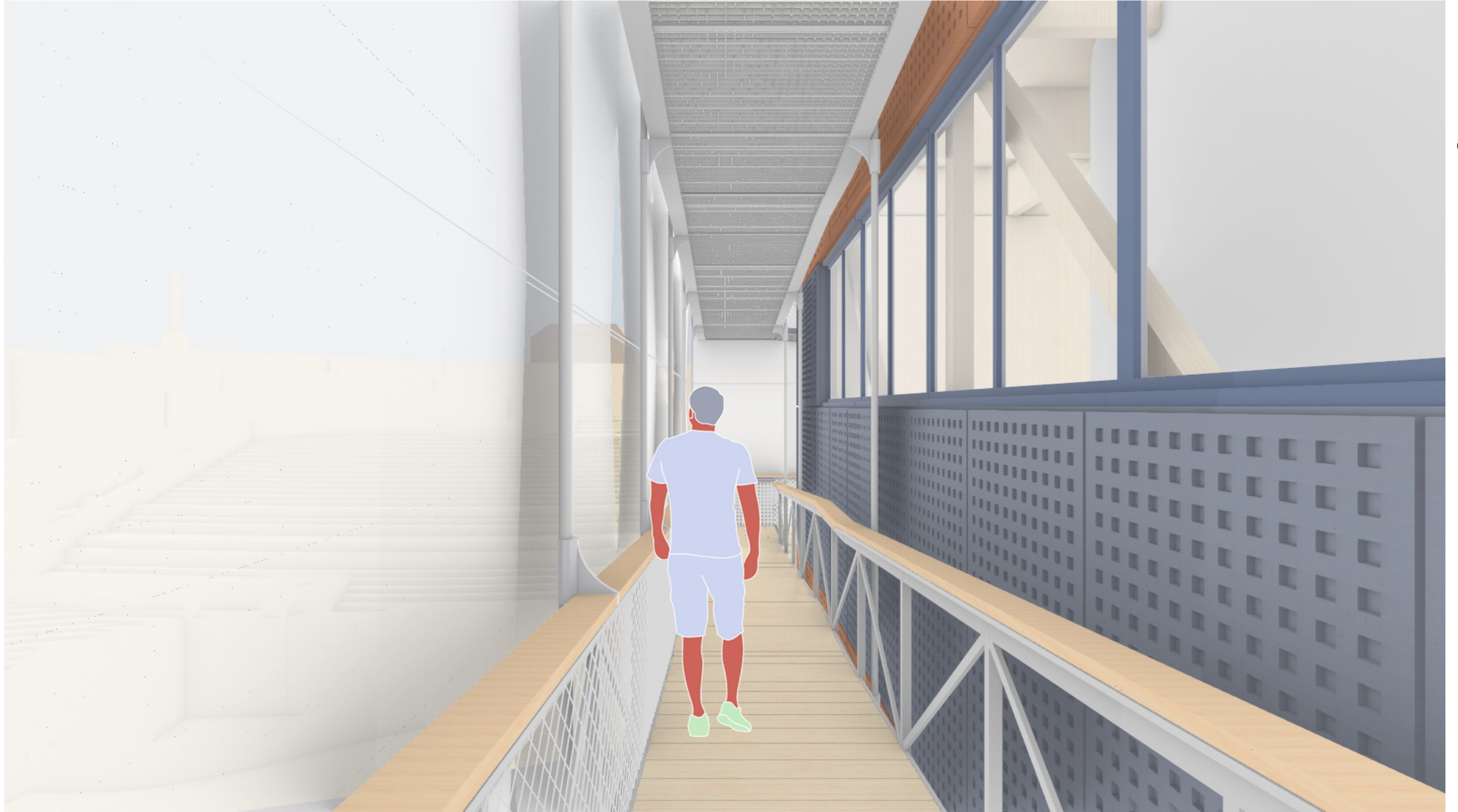


- 01 ELEVATOR
- 02 SAUNA
- 03 WATER BASIN
- 04 ACCESS TO EXTERIOR ROUTE
- 05 SOLARIUM
- 06 LACONICUM
- 07 LIGHT WELL
- 08 LIGHT WELL

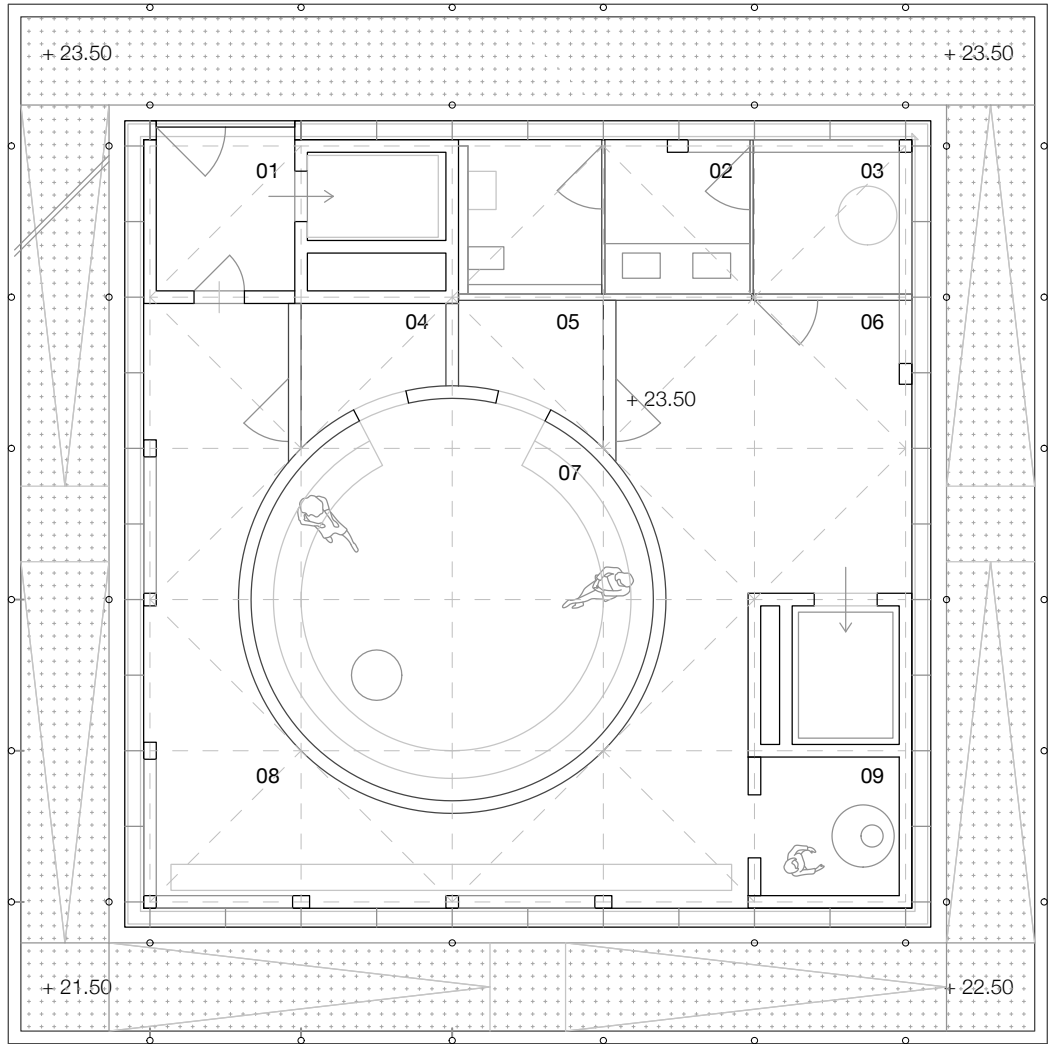
06TH FLOOR



THE EXTERIOR ROUTE STARTS DESCENDING FROM THE PATIO AT THE TOP
View from the arrival



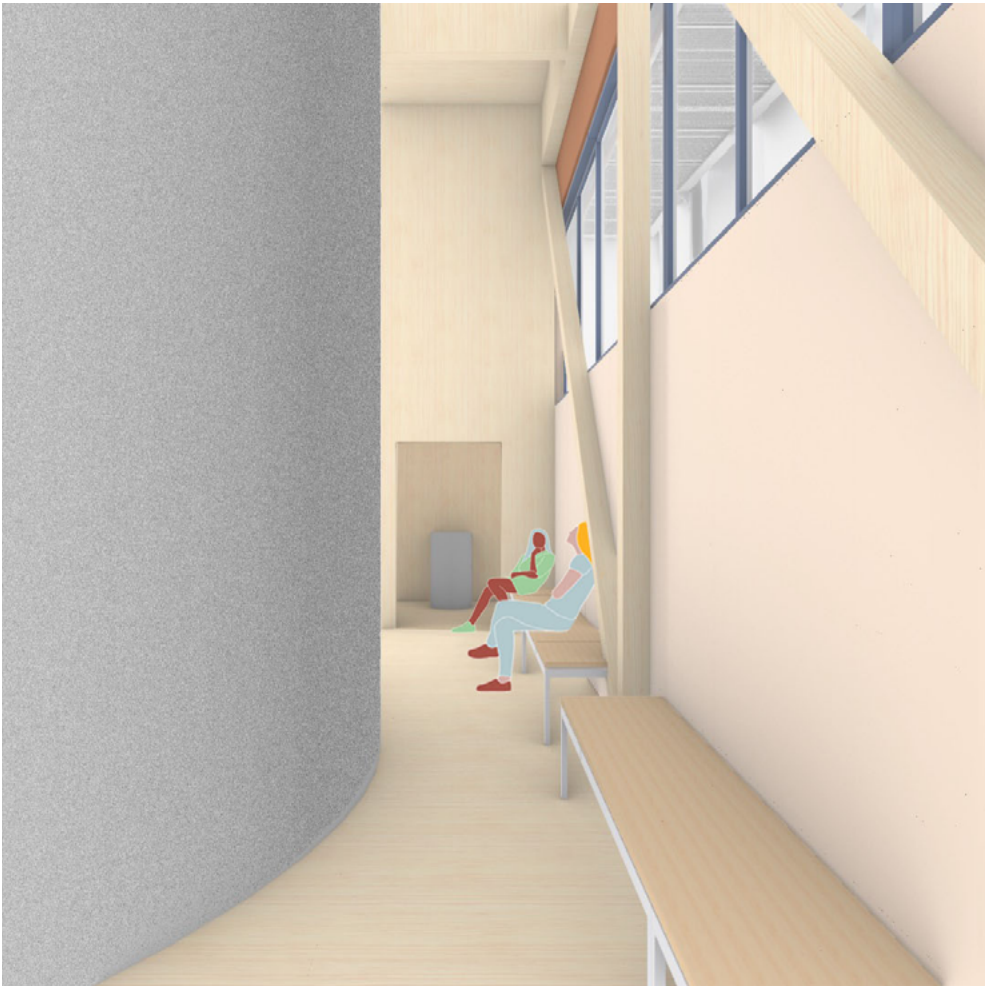
*INBETWEEN THE FASSADE AND THE TANK MESH
Descending to the Steam Bath*



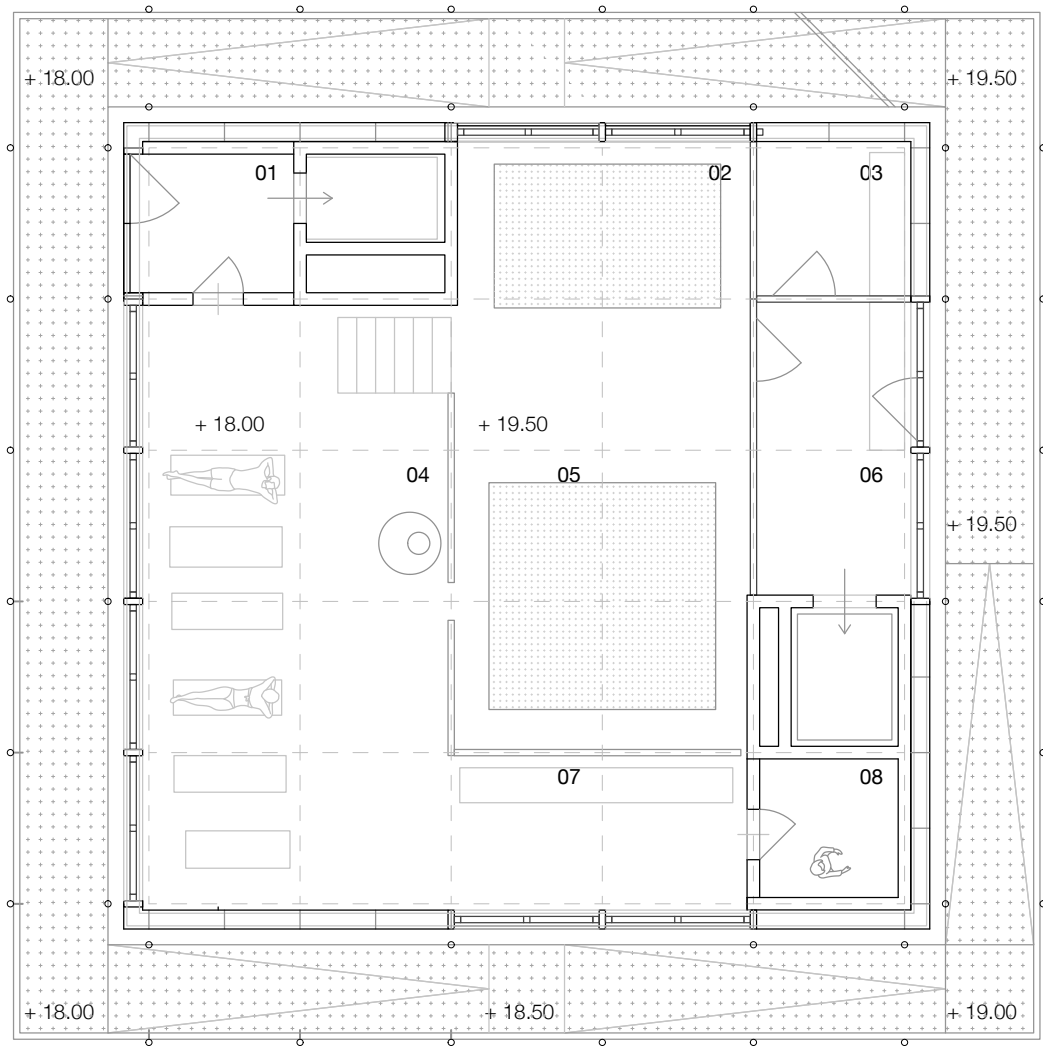
- 01 ELEVATOR
- 02 BATHROOM
- 04 ENTRANCE
- 05 EXIT
- 06 HALL
- 07 STEAM BATH
- 08 RESTING CORRIDOR
- 09 FOUNTAIN

5TH FLOOR

0 5 m

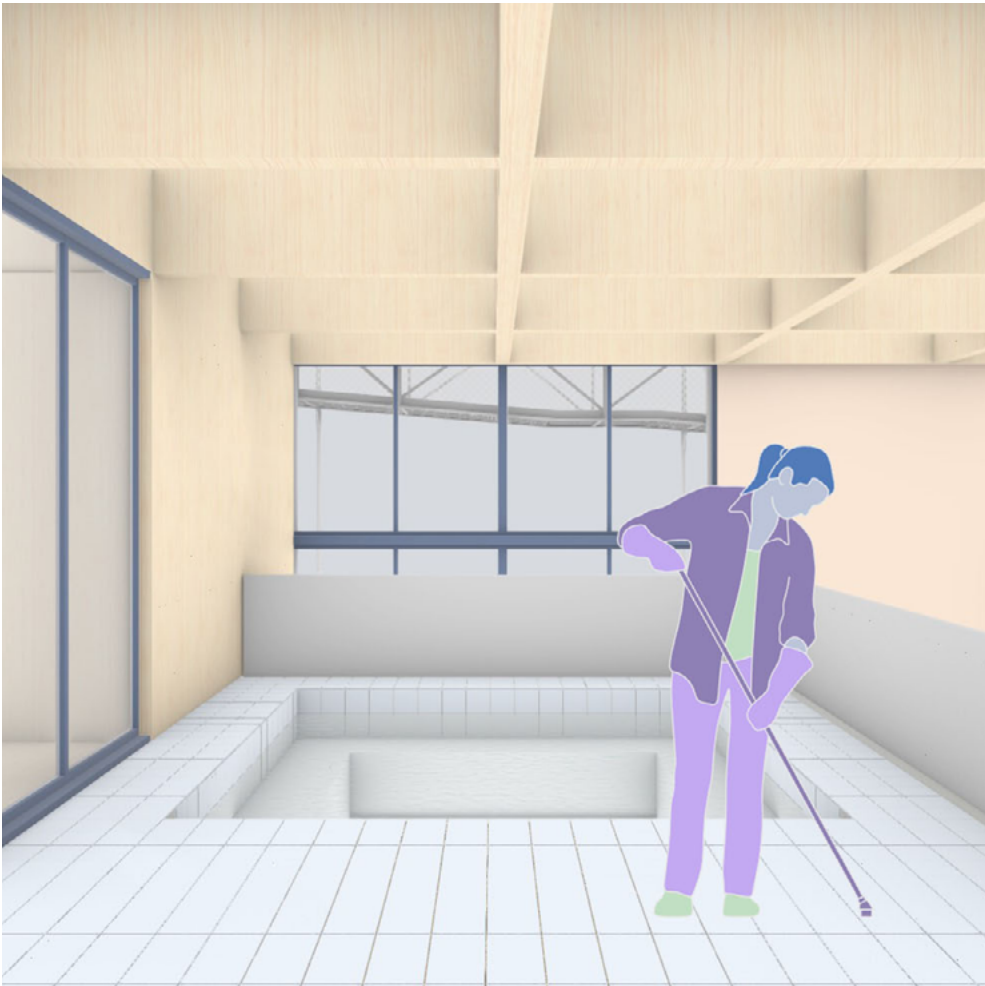


INBETWEEN THE STEAM BATH AND THE FASSADE
View to the fountain



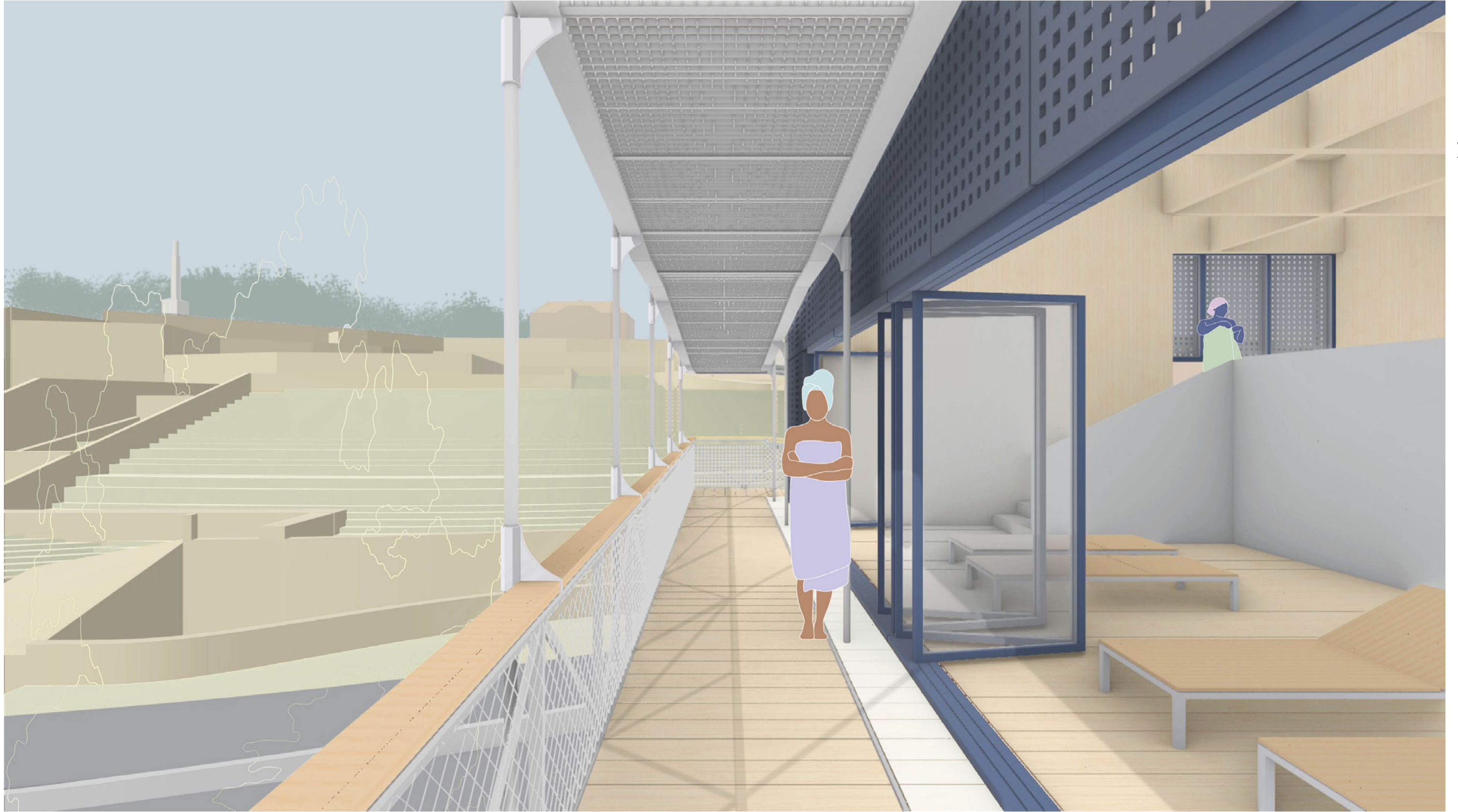
- 01 ELEVATOR
- 02 HOT TUB
- 03 ALCOVE
- 04 TERRACE TO THE PARK
- 05 WARM BATH
- 06 HALL
- 07 LOCKERS
- 08 ELEVATOR

4TH FLOOR

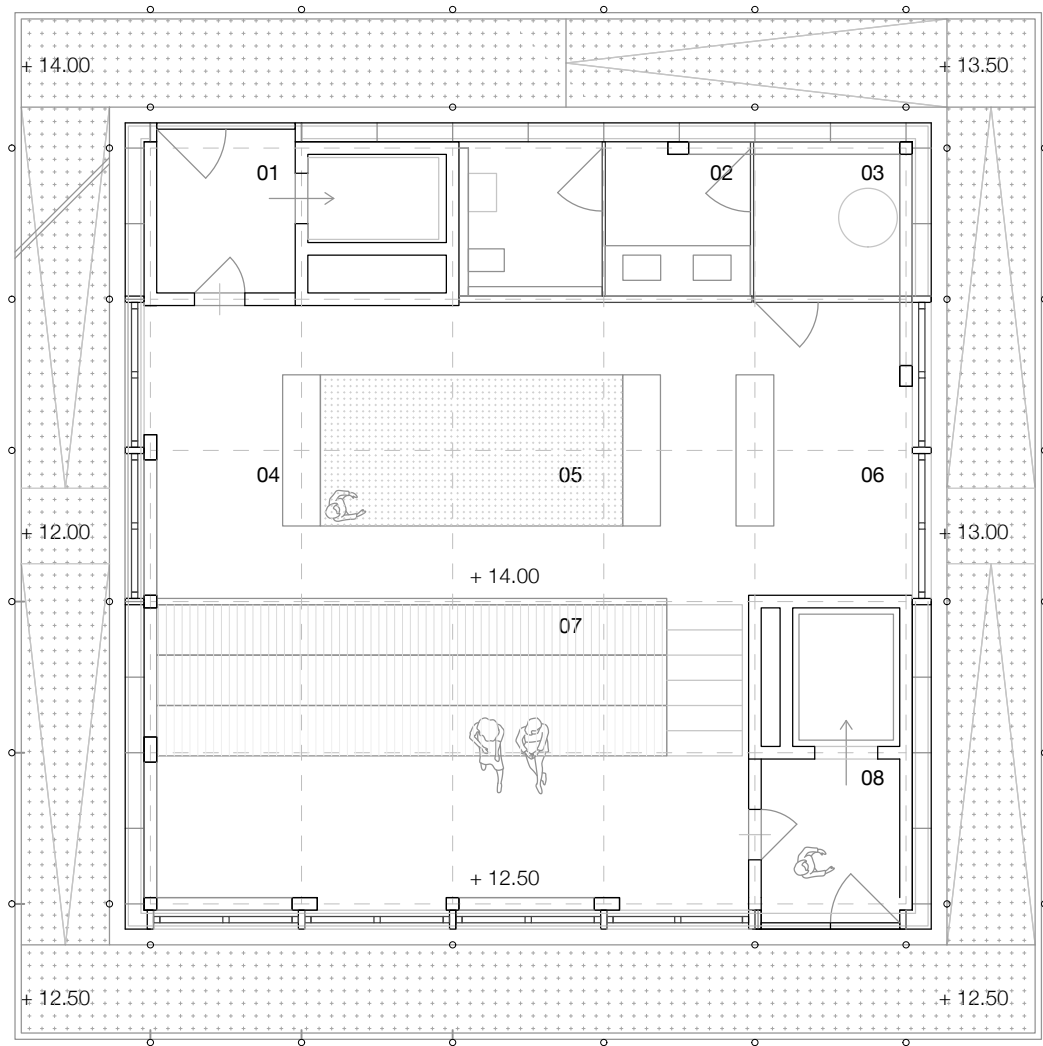


A HOT TUB ON A RAISED LEVEL
View from the warm bath





WHERE THE ROUTE RESTS, THE FASSADE OPENS TO THE PARK
View towards the Fortress



- 01 ELEVATOR
- 02 BATHROOM
- 04 LOCKERS
- 05 COLD BATH
- 06 HALL
- 07 STEPS TO THE SAVA
- 08 ELEVATOR

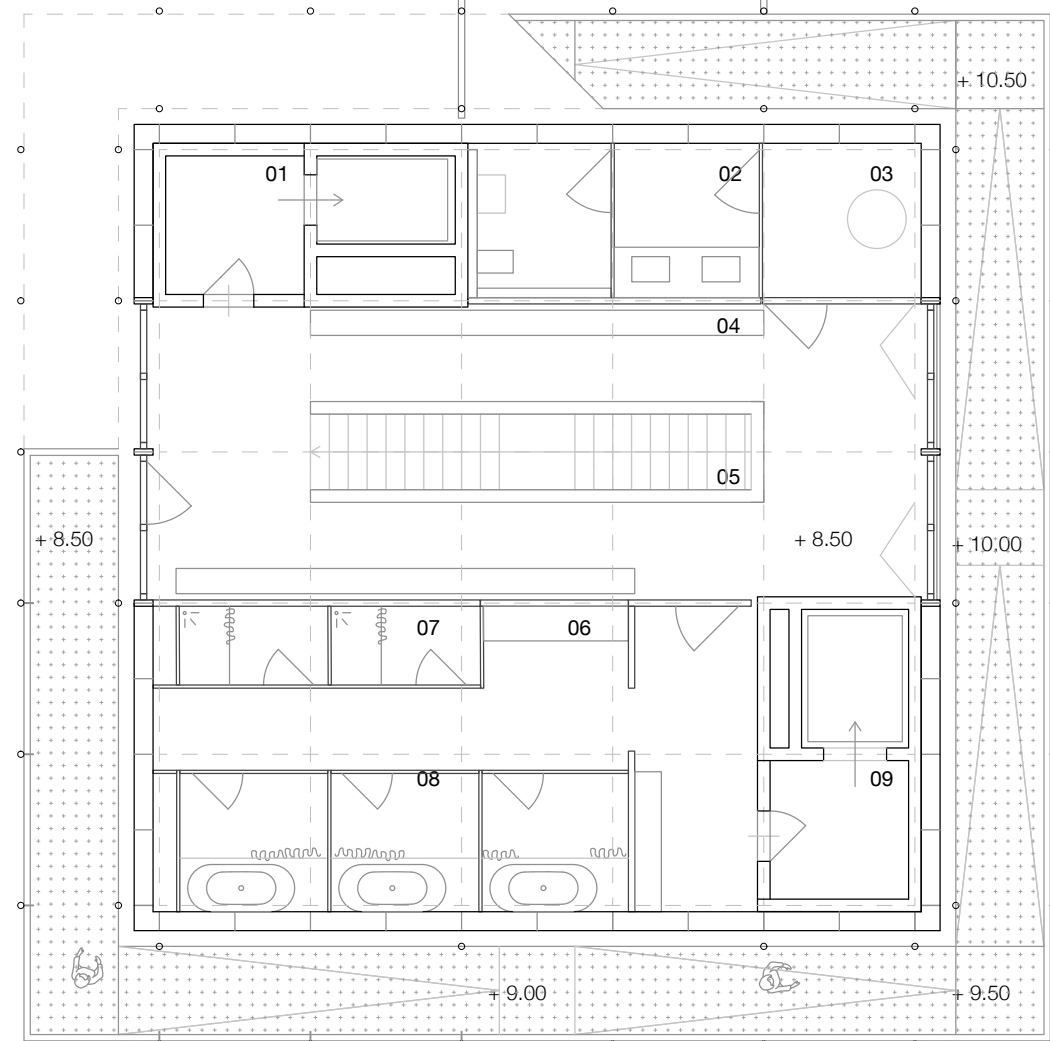
3RD FLOOR



A COLD BATH ON A RAISED LEVEL
View towards River Sava



A BALCONY TO THE RIVER SAVA, OVERLOOKING NEW BELGRADE
View towards the Great War Island



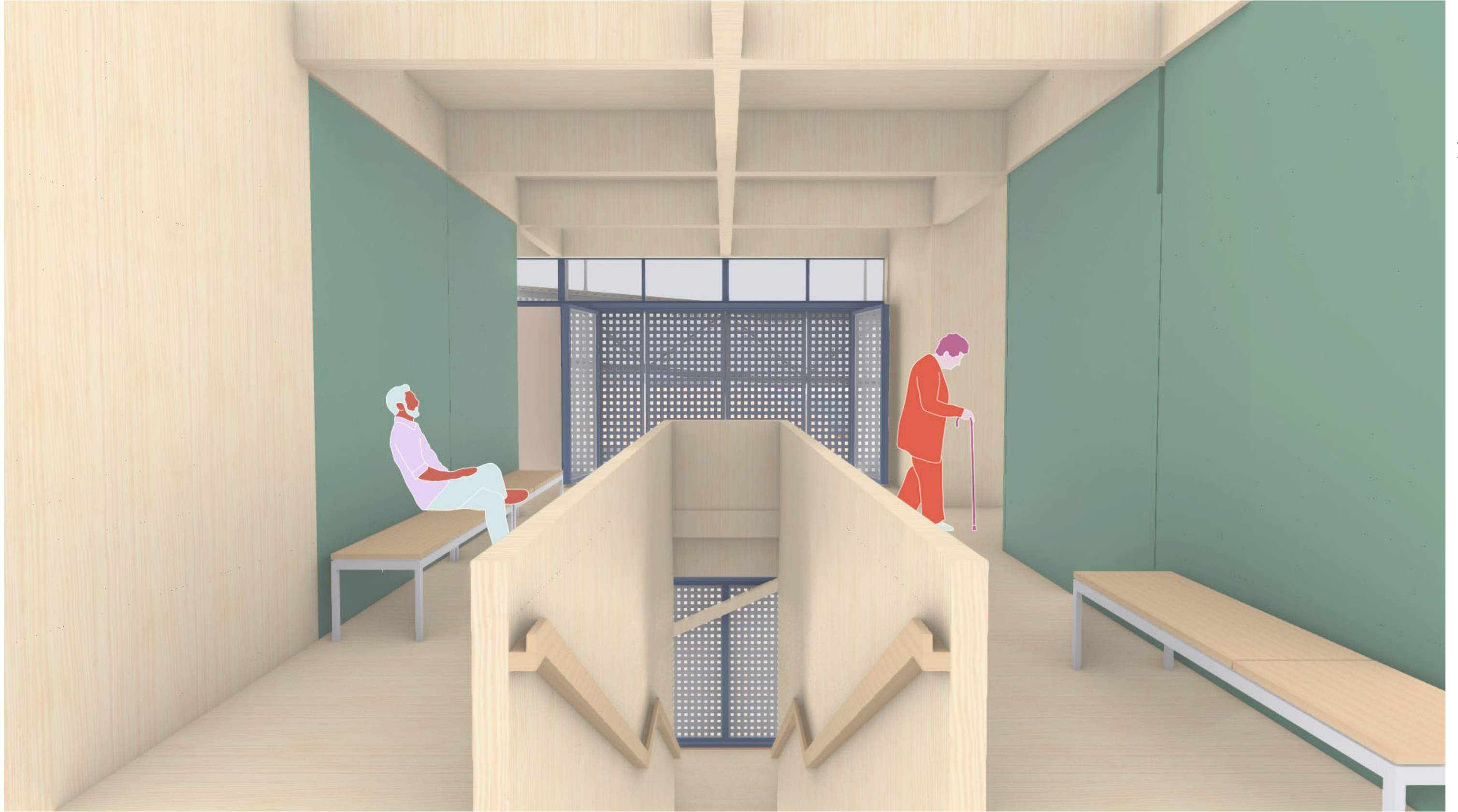
- 01 ELEVATOR
- 02 BATHROOM
- 04 HALLWAY
- 05 STAIR DOWN
- 06 BASIN
- 07 SHOWERS
- 08 BATHS
- 09 ELEVATOR

2ND FLOOR

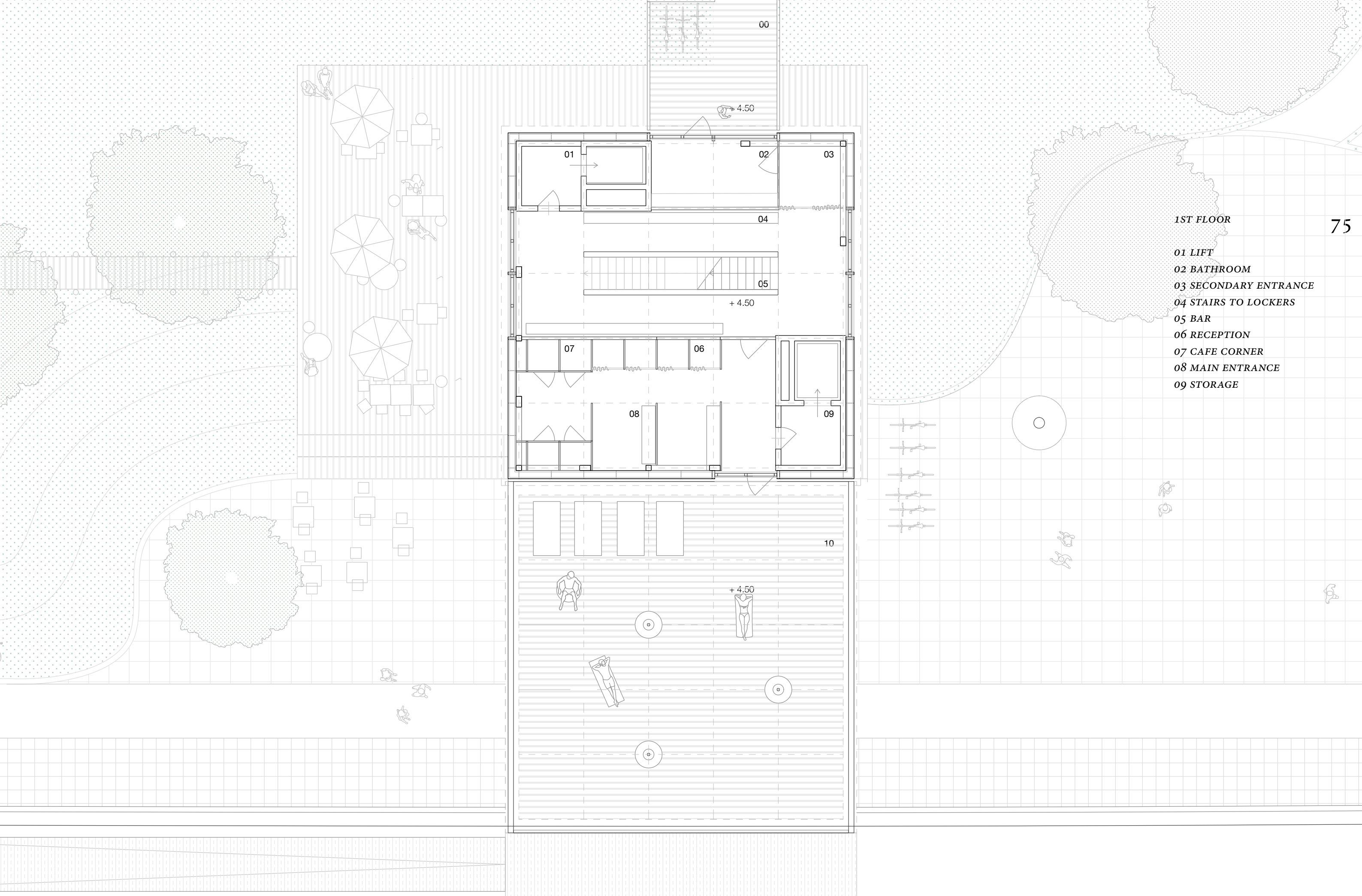
0 5 m



A PRIVATE BATH
From the door

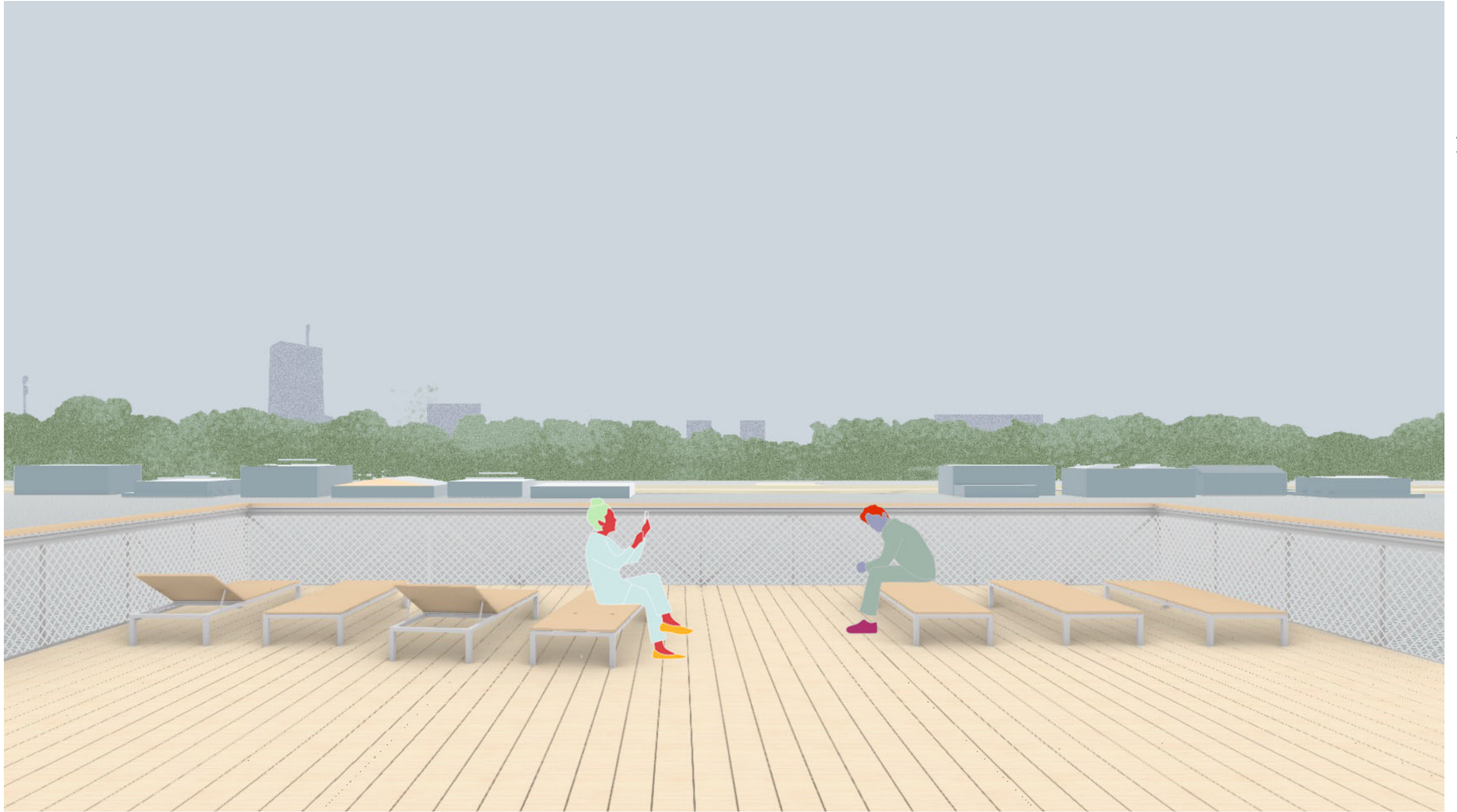


INBETWEEN
View from the arrival of the route

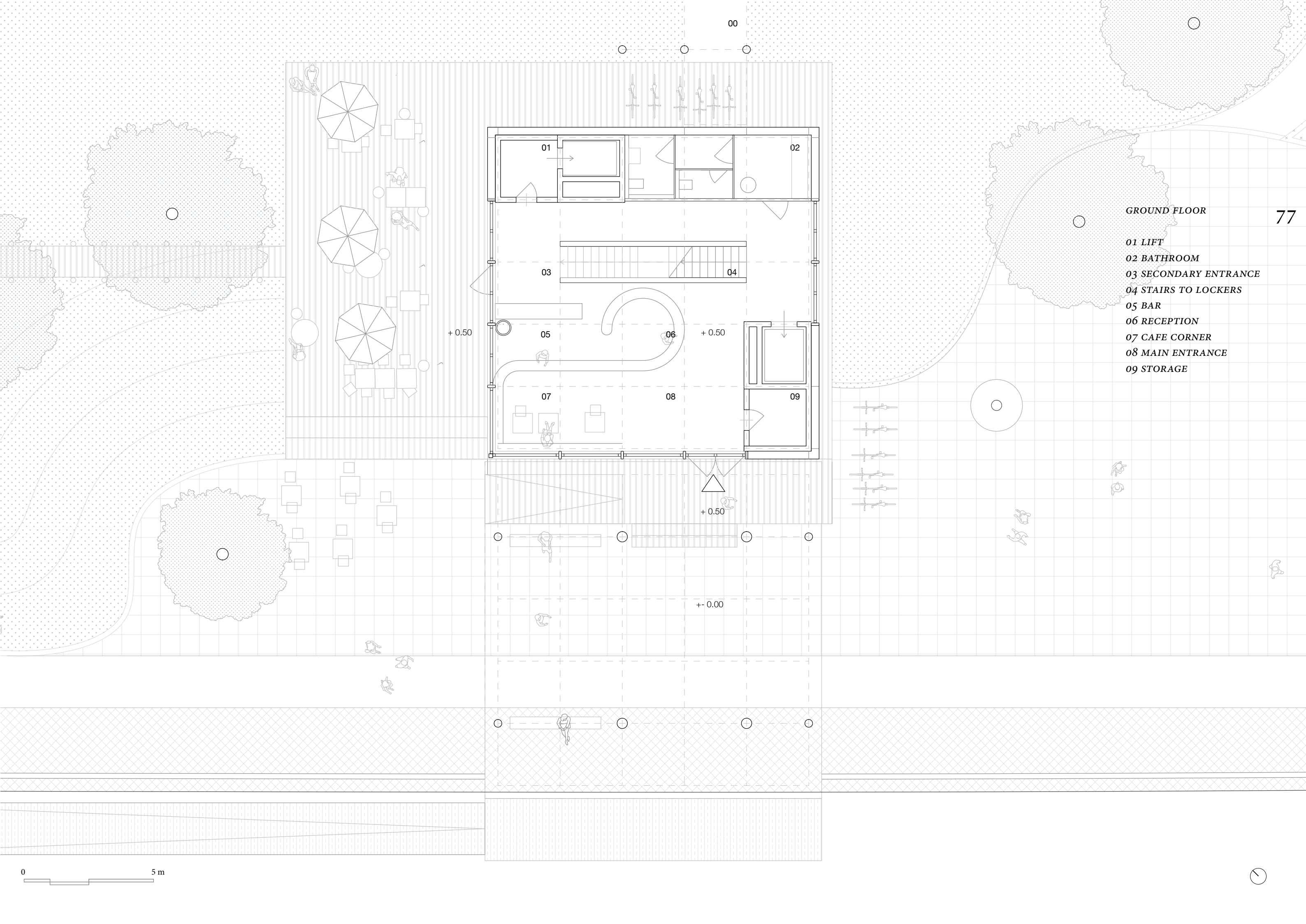


1ST FLOOR

- 01 LIFT
- 02 BATHROOM
- 03 SECONDARY ENTRANCE
- 04 STAIRS TO LOCKERS
- 05 BAR
- 06 RECEPTION
- 07 CAFE CORNER
- 08 MAIN ENTRANCE
- 09 STORAGE



SOLARIUM TO NEW BELGRADE
View from the lockerroom



00

+ 0.50

+ 0.50

+ 0.50

+ - 0.00

GROUND FLOOR

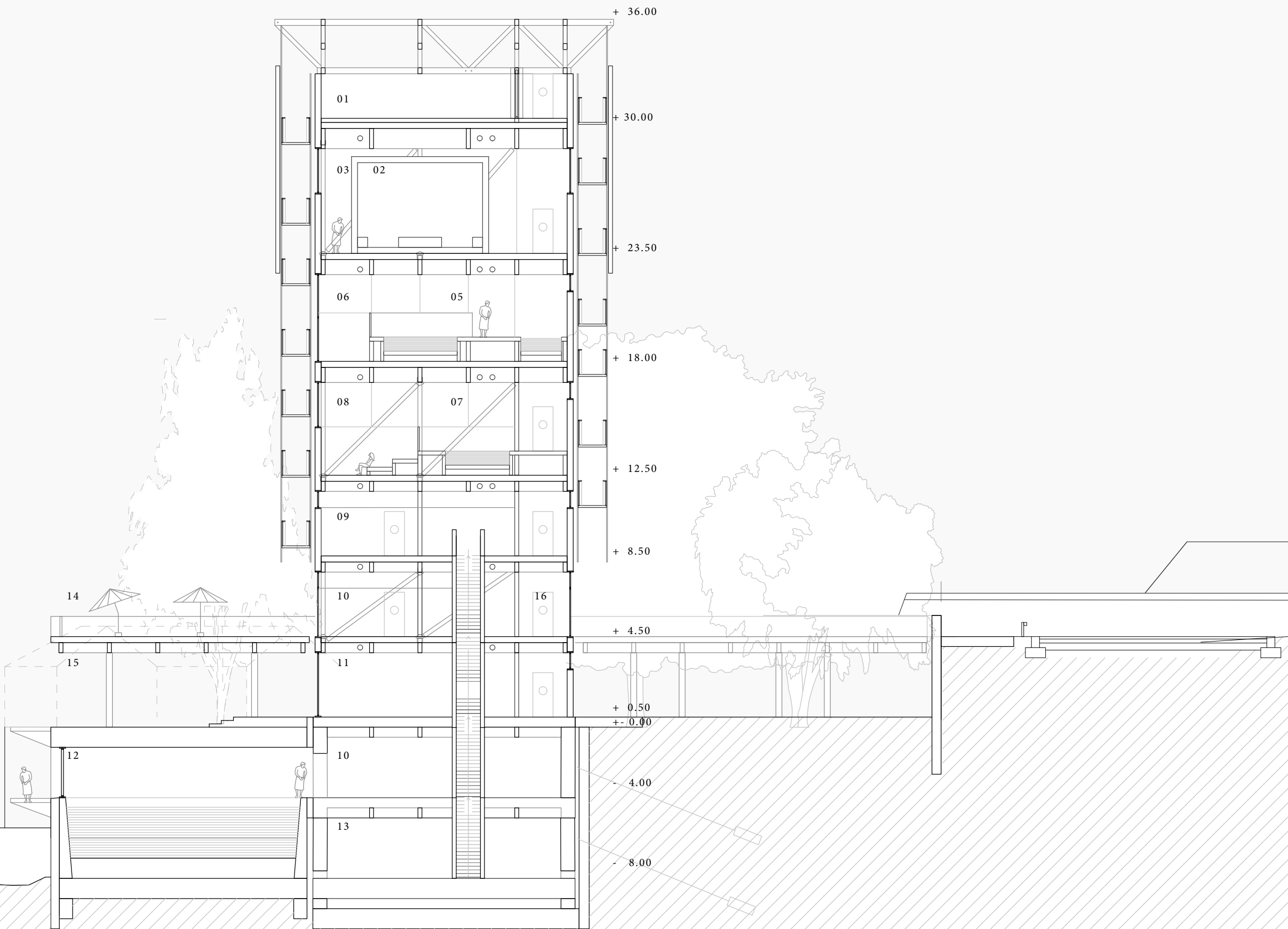
- 01 LIFT
- 02 BATHROOM
- 03 SECONDARY ENTRANCE
- 04 STAIRS TO LOCKERS
- 05 BAR
- 06 RECEPTION
- 07 CAFE CORNER
- 08 MAIN ENTRANCE
- 09 STORAGE

77

0 5 m



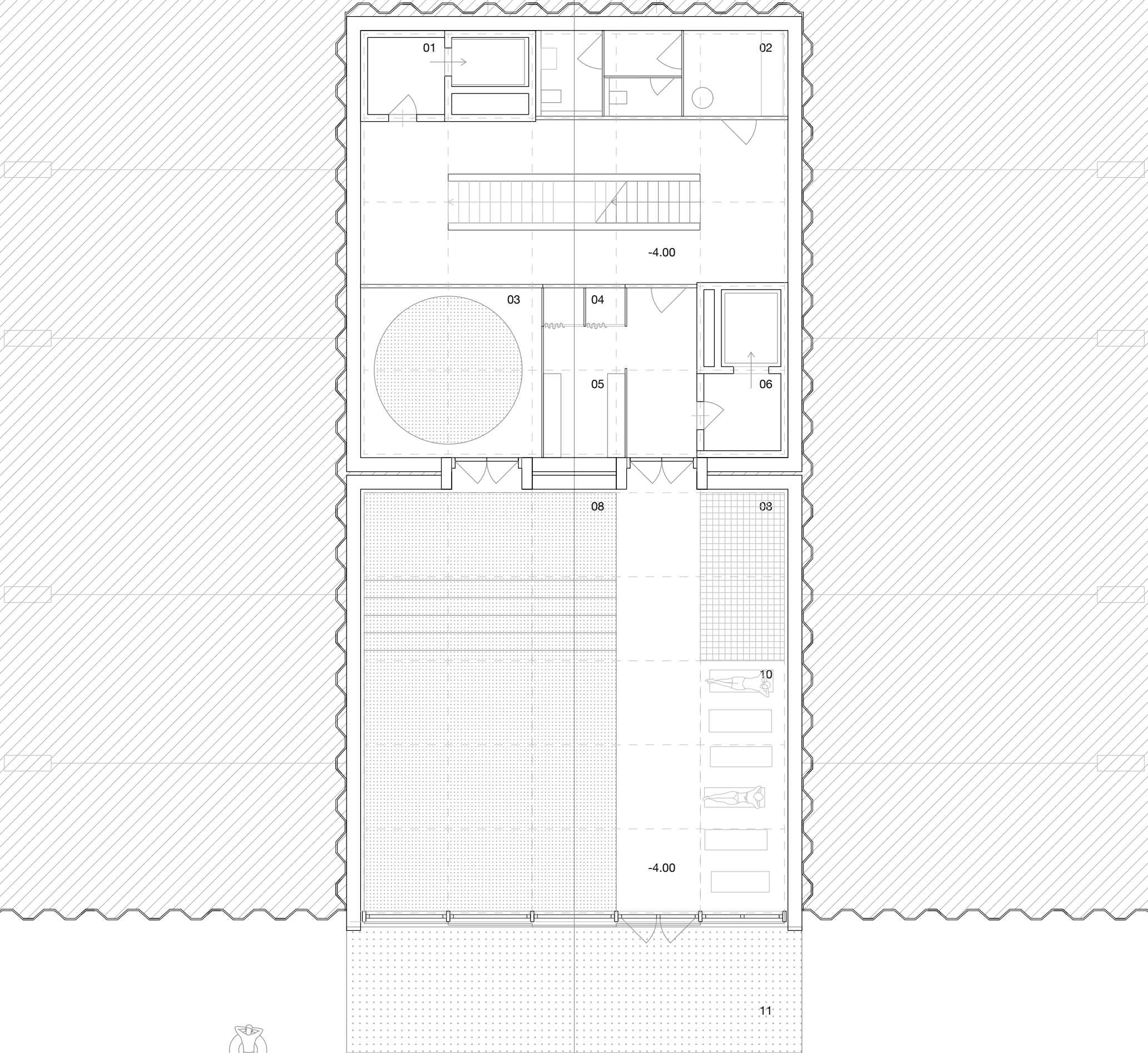
- 01 SOLARIUM
- 02 STEAM BATH
- 03 RESTING SPACE
- 04 FOUNTAIN
- 05 HOT BATHS
- 06 LOGGIA TO THE PARK
- 07 COLD BATH
- 08 STEPS TO THE SAVA
- 09 BATHS AND SHOWERS
- 10 LOCKERS
- 11 LOBBY AND CAFÈ
- 12 POOL TO THE RIVER
- 13 MACHINERY
- 14 TERRACE TO THE SAVA
- 15 COVERED ENTRANCE
- 16 BRIDGE TO THE STREET



0 8 m

-1 UNDERGROUND

- 01 LIFT
- 02 BATHROOM
- 03 SECONDARY ENTRANCE
- 04 STAIRS TO LOCKERS
- 05 BAR
- 06 RECEPTION
- 07 CAFE CORNER
- 08 MAIN ENTRANCE
- 09 STORAGE



0 5 m





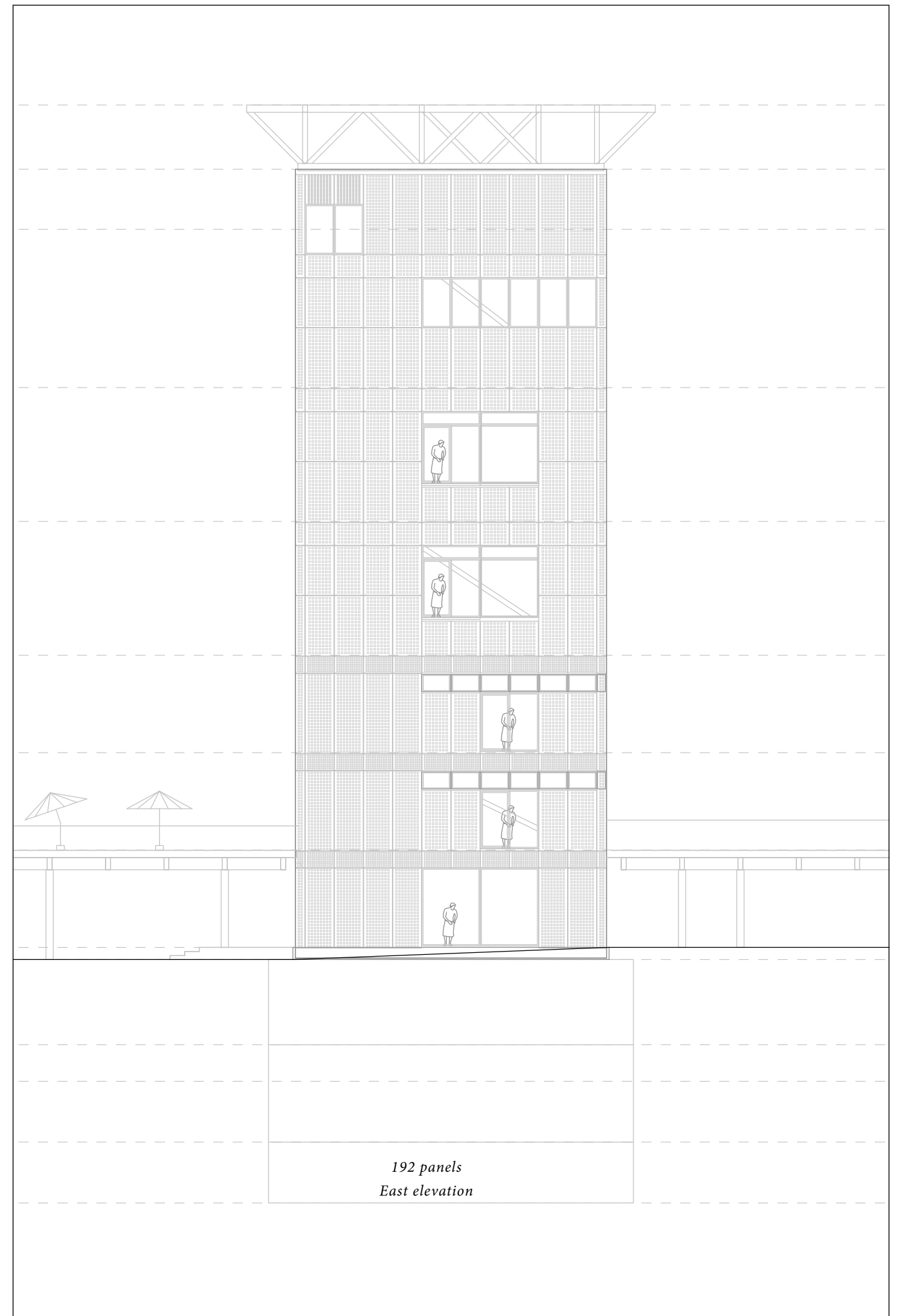
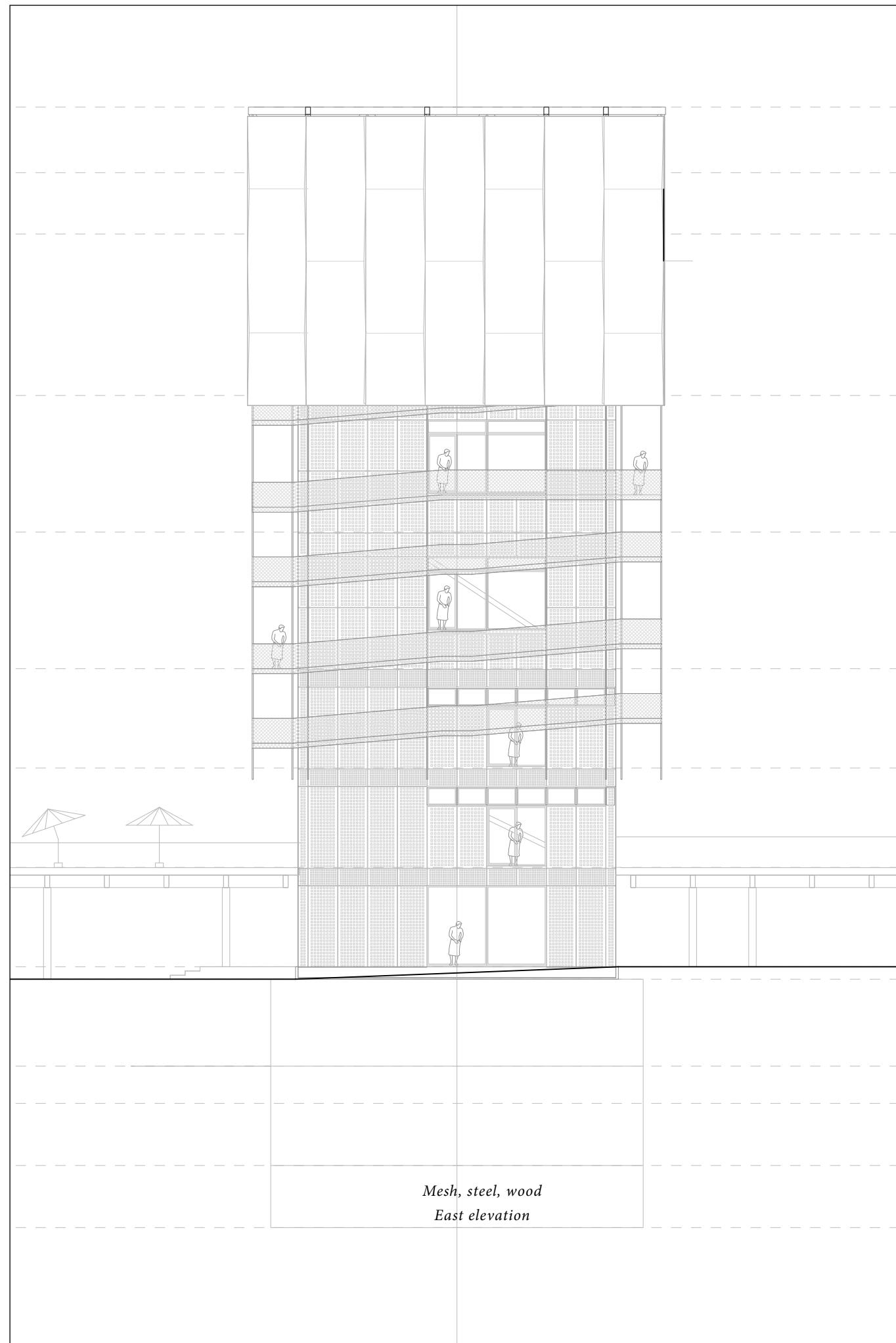
INDOOR POOL OPENING TO THE RIVER
View towards New Belgrad and the Sava

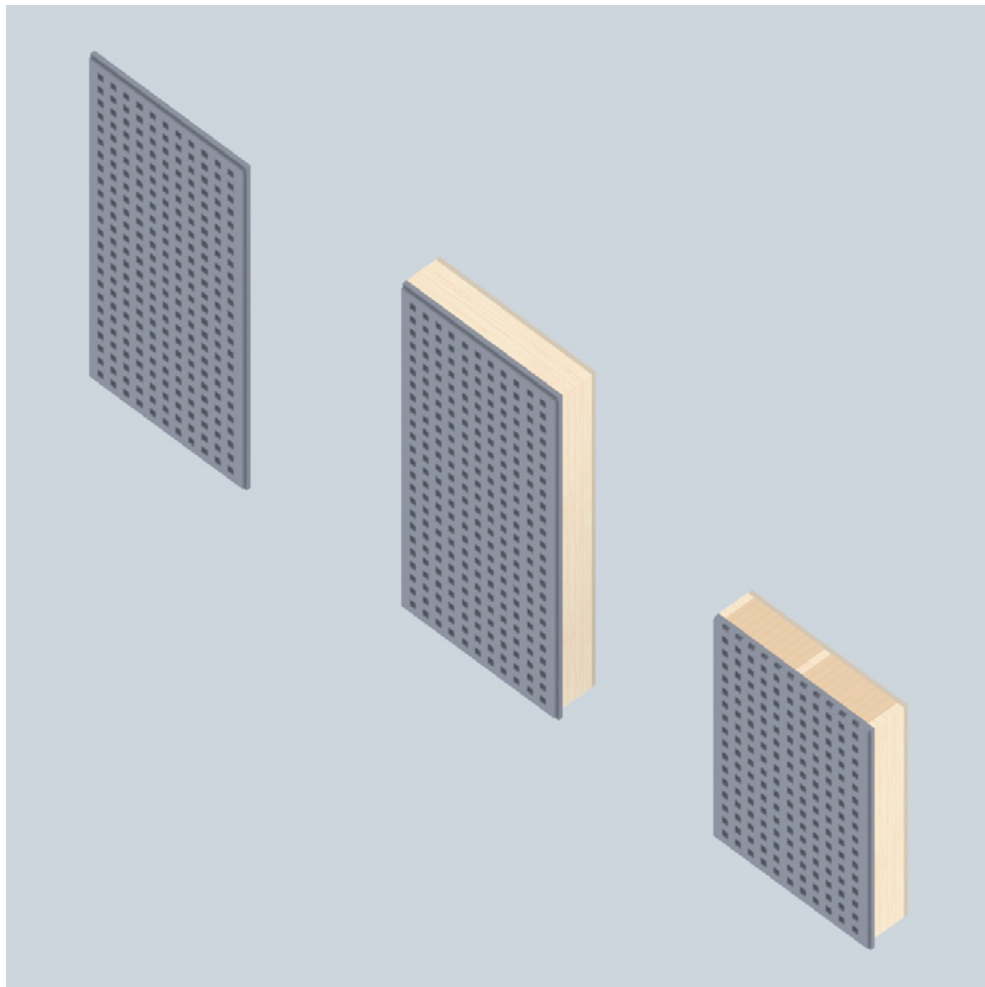
layering systems

components, assemblage and time

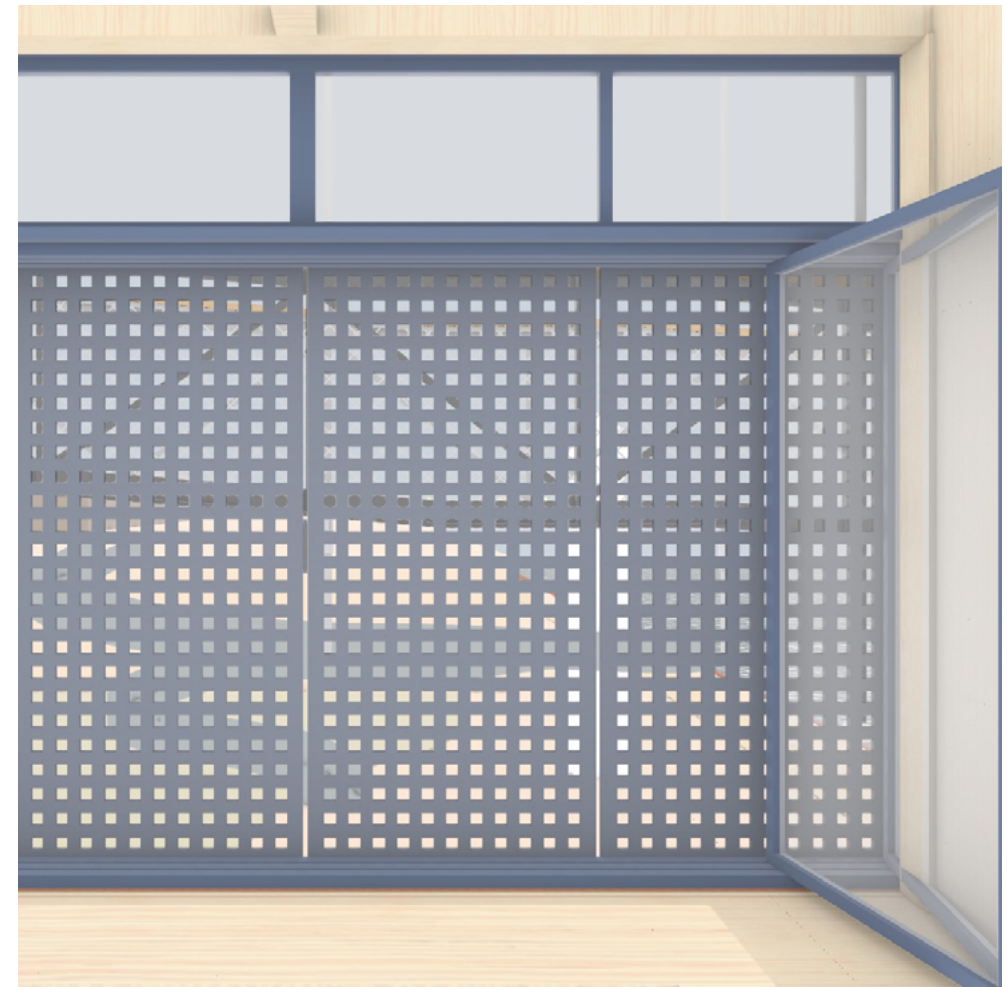


THE TOWER, DRESSED
View from Brankov Bridge





*Perforated scree and Insulated panel with relief
To filter, to enclose*



*Jealousy opening the 2nd floor and protecting from the view
View towards Beton Hala*

SECTION THROUGH THE 2ND FLOOR
WEST FASSADE

- 01 CLT beam 15x50 cm
- 02 CLT beam 15x75 cm
- 03 CLT beam 15x100 cm
- 04 CLT floor plate 12 cm
- 05 CLT bracing element
- 06 Steel L profile 20x20 cm

- 10 Prefab panel type 1
- 11 Prefab panel type 2
- 12 Prefab panel type 3
- 13 Prefab panel type 4
- 14 Fixed window frame - wood
- 15 Swinging window frame - wood
- 16 Sliding/folding w.f. - wood
- 17 Perforated wooden panel fixed on frame
- 18 Base inclined sill + water protection
- 19 Dry waterproofing

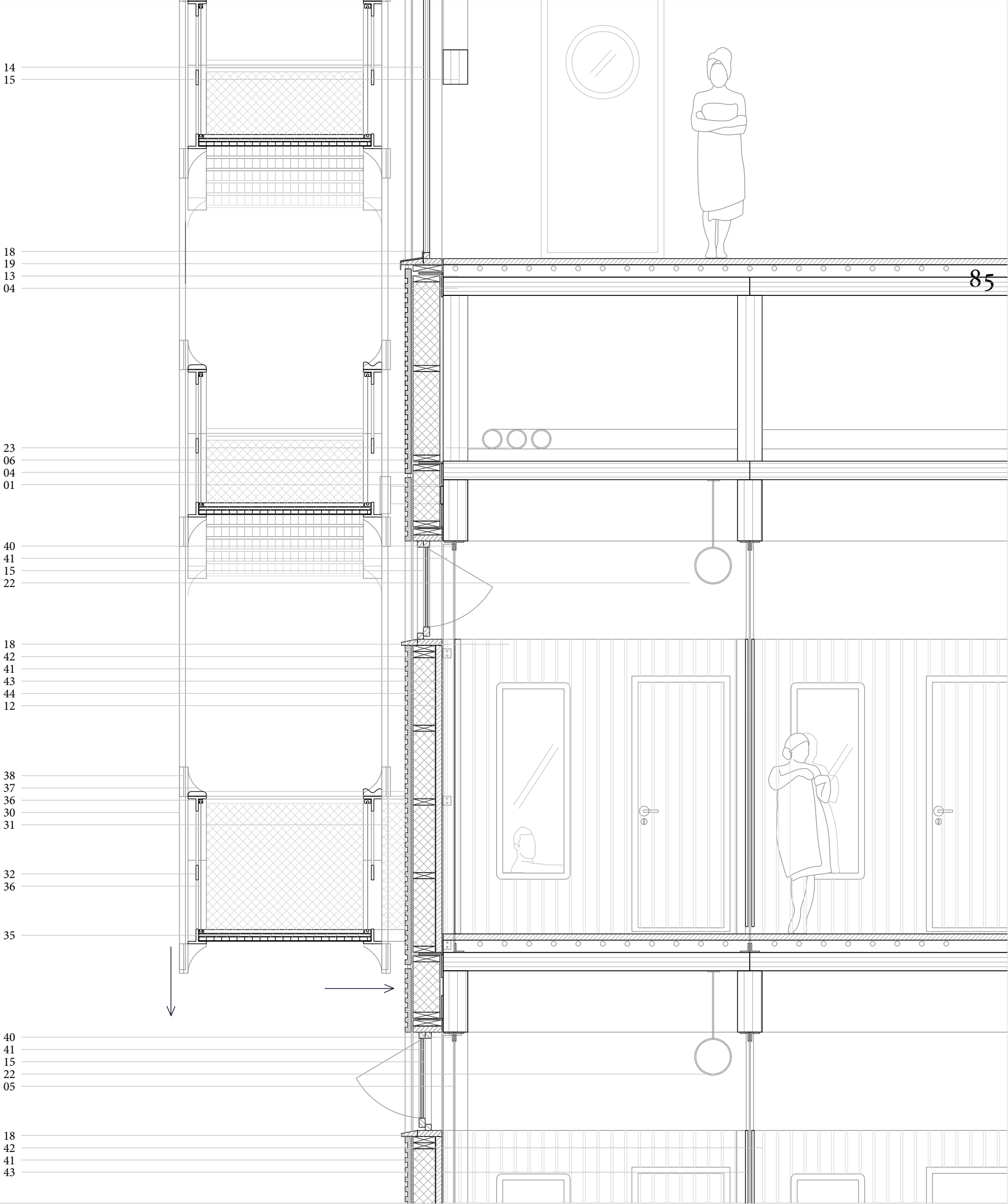
- 20 Floor heating pipes
- 21 Floor base finishing
- 23 Venilation syst
- 24 Systems - Generic

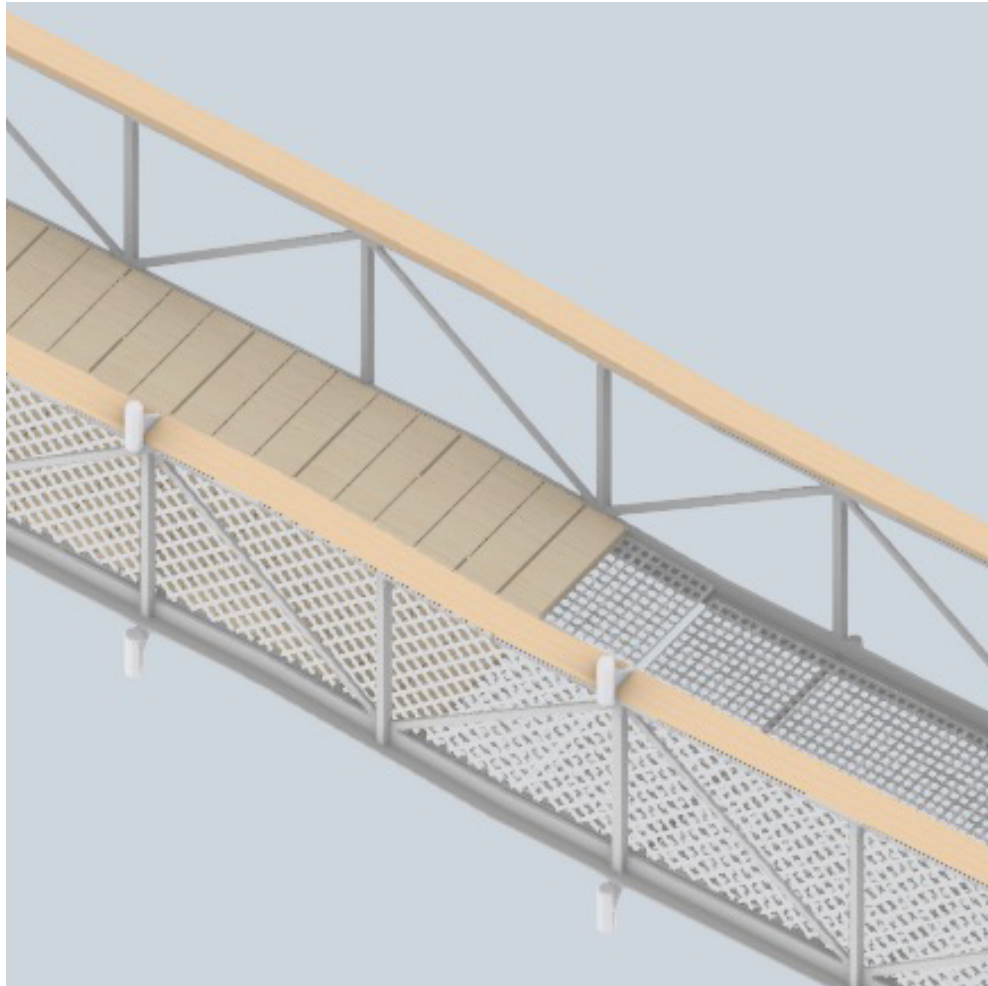
- 30 Steel rod - vertical load
- 31 Steel rod - horizontal load
- 32 Side steel truss
- 33 Floor T profile
- 34 Floor steel grid
- 35 Floor wooden planks
- 36 Steel framed mesh balustrade
- 37 Wooden handrail, different sections
- 38 Vertical anchor
- 39 Horizontal anchor

- 40 Steel L profile 5 cm
- 41 Steel T profile 10 cm
- 42 Assemled wooden planks into wall
- 43 Double L fixing
- 44 Single wall
- 45 Shaft

3 m

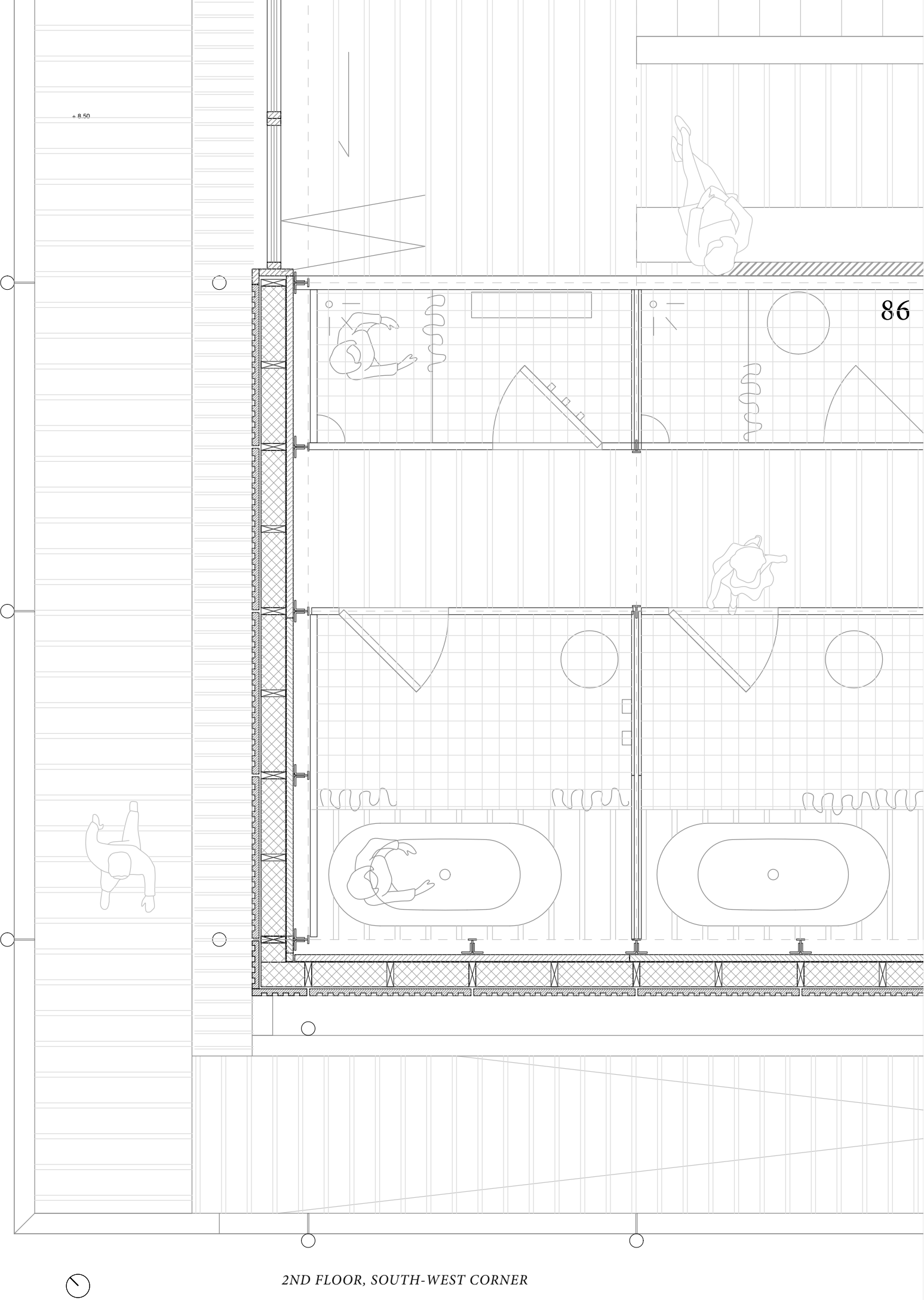
0 2,50 m

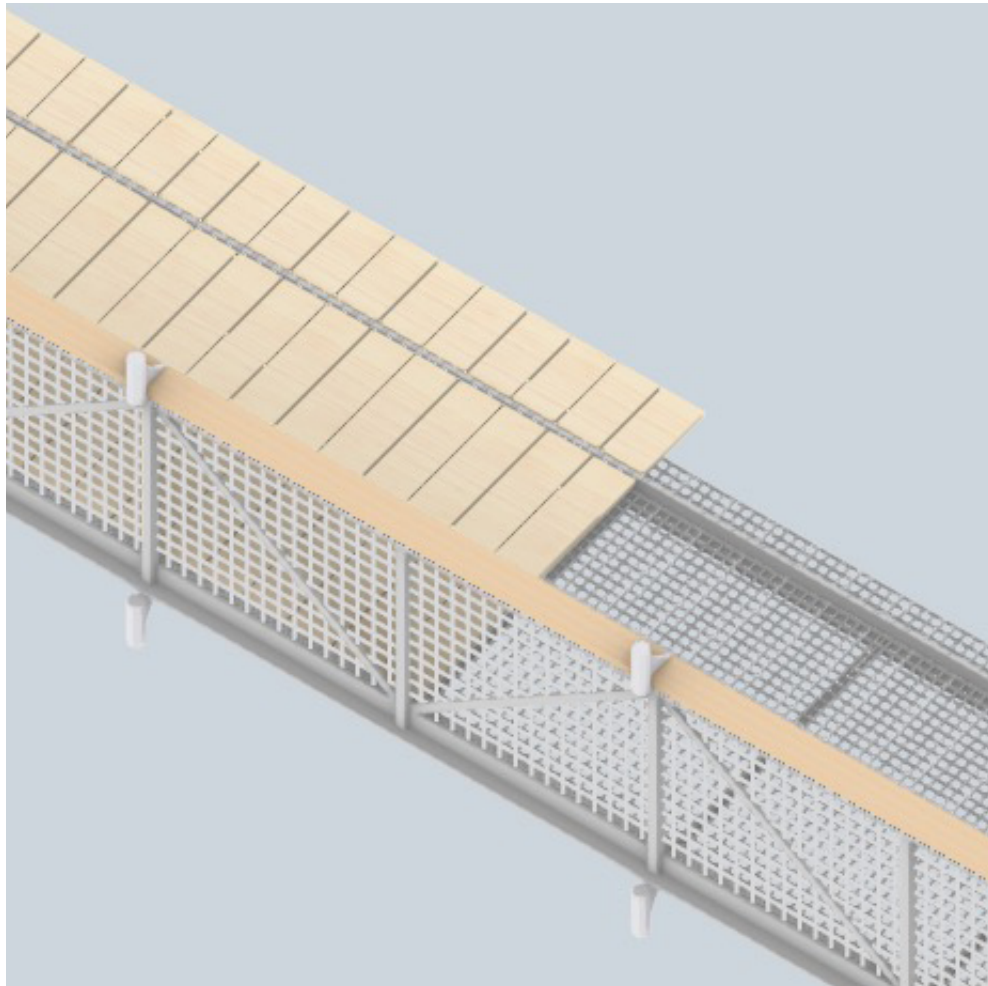




CONSTRUCTION OF HANGING PROMENADE
Sloped module

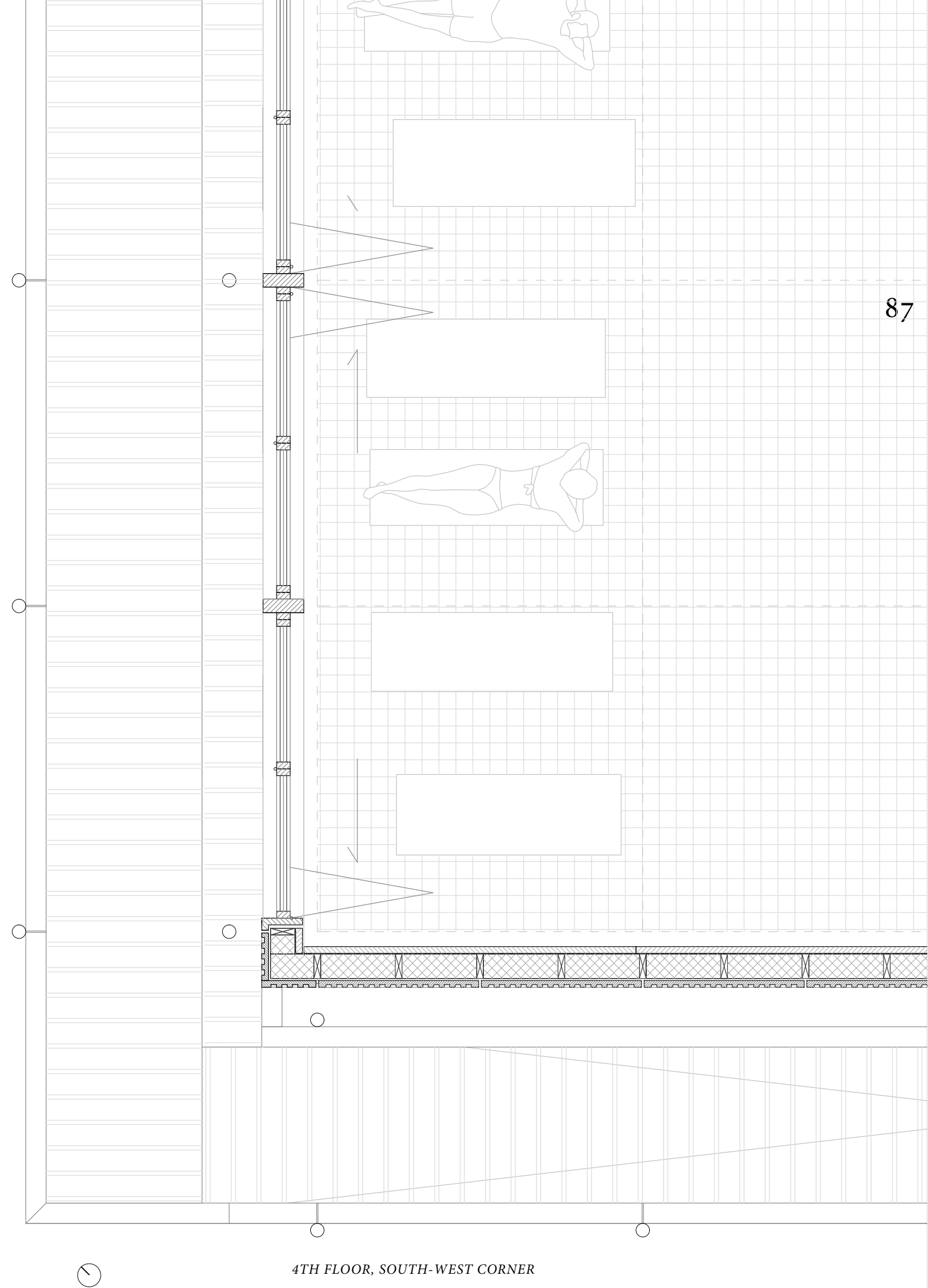
0 2,50 m





CONSTRUCTION OF HANGING PROMENADE
Flat module connecting to building

0 2,50 m



SECTION THROUGH THE 4TH FLOOR
WEST FASSADE

01 CLT beam 15x50 cm
02 CLT beam 15x75 cm
03 CLT beam 15x100 cm
04 CLT floor plate 12 cm
05 CLT bracing element
06 Steel L profile 20x20 cm

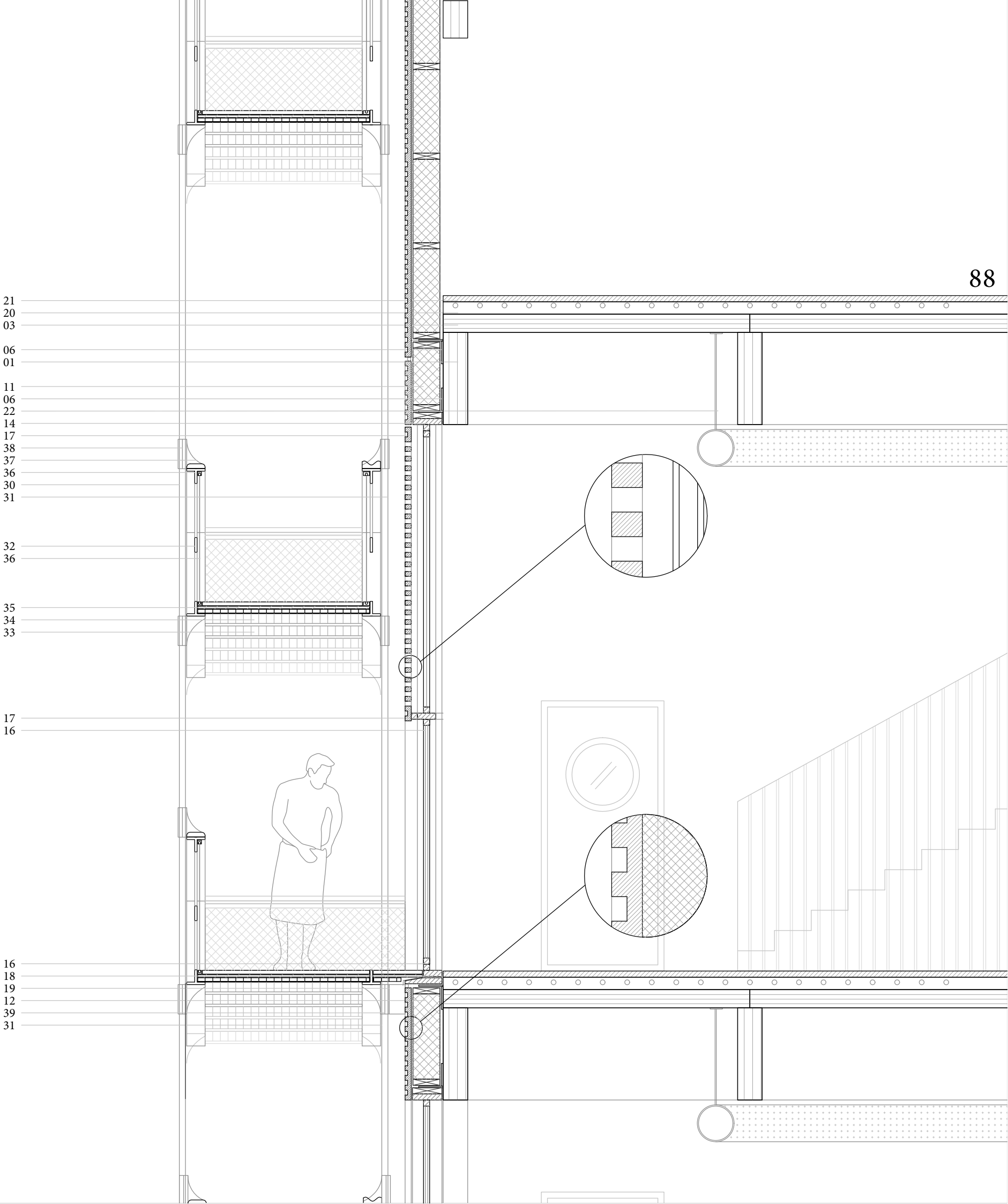
10 Prefab panel type 1
11 Prefab panel type 2
12 Prefab panel type 3
13 Prefab panel type 4
14 Fixed window frame - wood
15 Swinging window frame - wood
16 Sliding/folding w.f. - wood
17 Perforated wooden panel fixed on frame
18 Base inclined sill + water protection
19 Dry waterproofing

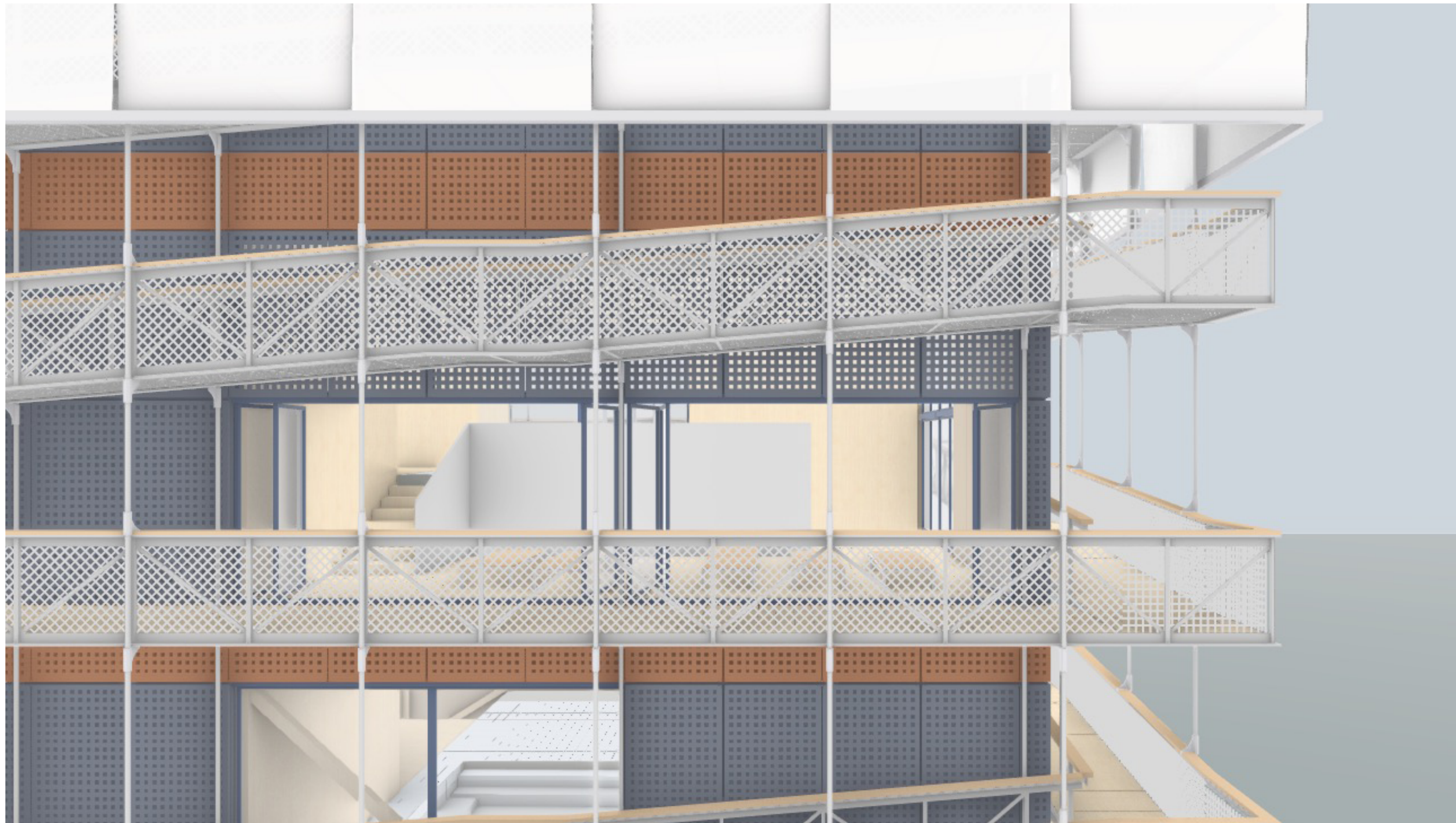
20 Floor heating pipes
21 Floor base finishing
23 Venilation syst
24 Systems - Generic

30 Steel rod - vertical load
31 Steel rod - horizontal load
32 Side steel truss
33 Floor T profile
34 Floor steel grid
35 Floor wooden planks
36 Steel framed mesh balustrade
37 Wooden handrail, different sections
38 Vertical anchor
39 Horizontal anchor

40 Steel L profile 5 cm
41 Steel T profile 10 cm
42 Assemled wooden planks into wall
43 Double L fixing
44 Single wall
45 Shaft

0 2,50 m





4TH FLOOR WEST FASSADE
Drone View



THE TOWER, UNDRESSED
View from Brankov Bridge

~~00 LEARNING FROM A
FLOATING BRIDGE.~~

~~01 THE CITY AND THE RIVERS~~

~~02 THE BATHS IN THE CITY~~

~~03 A BATH BY THE RIVER~~

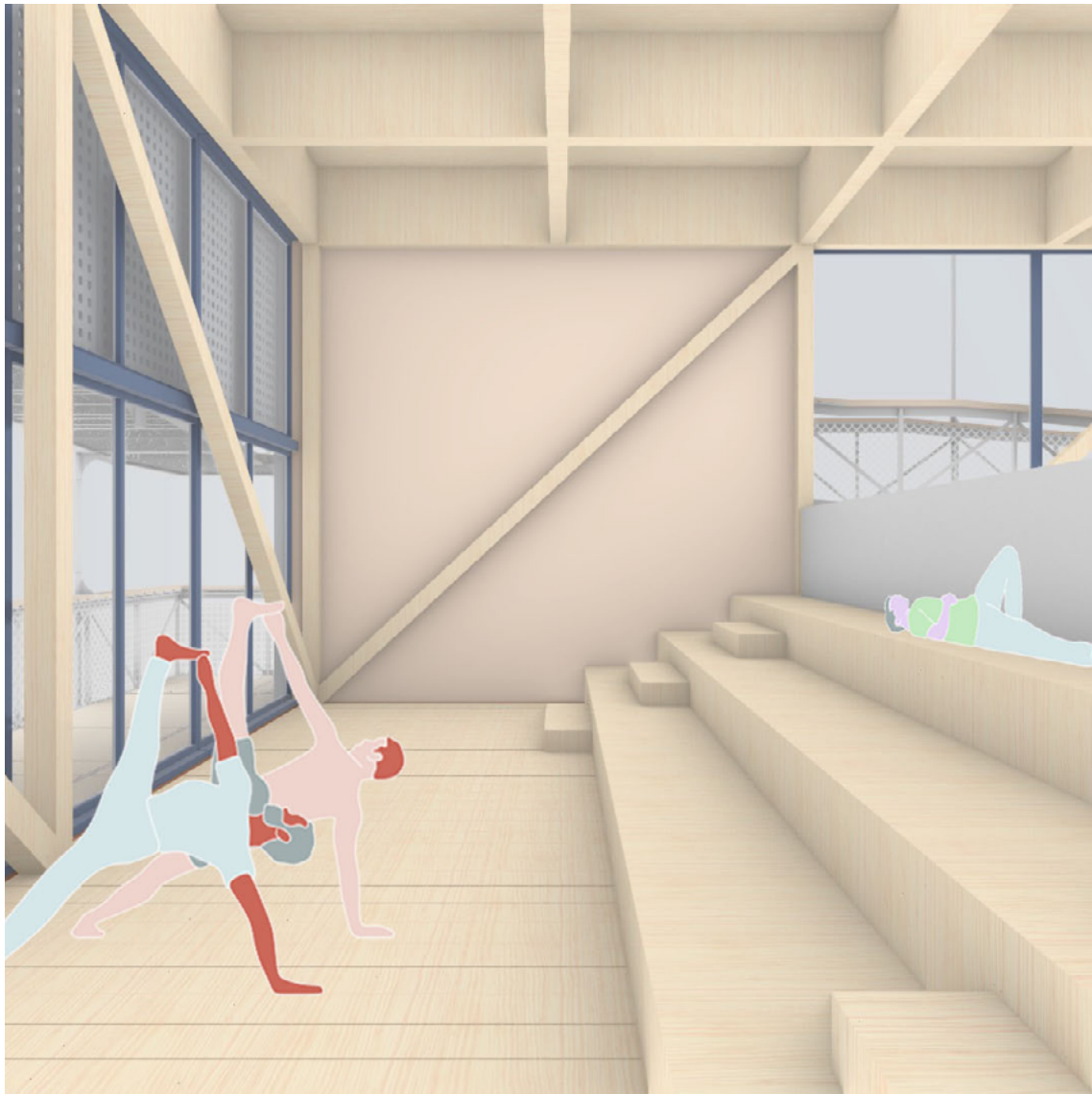
04 THE SKY BEYOND THE DOME



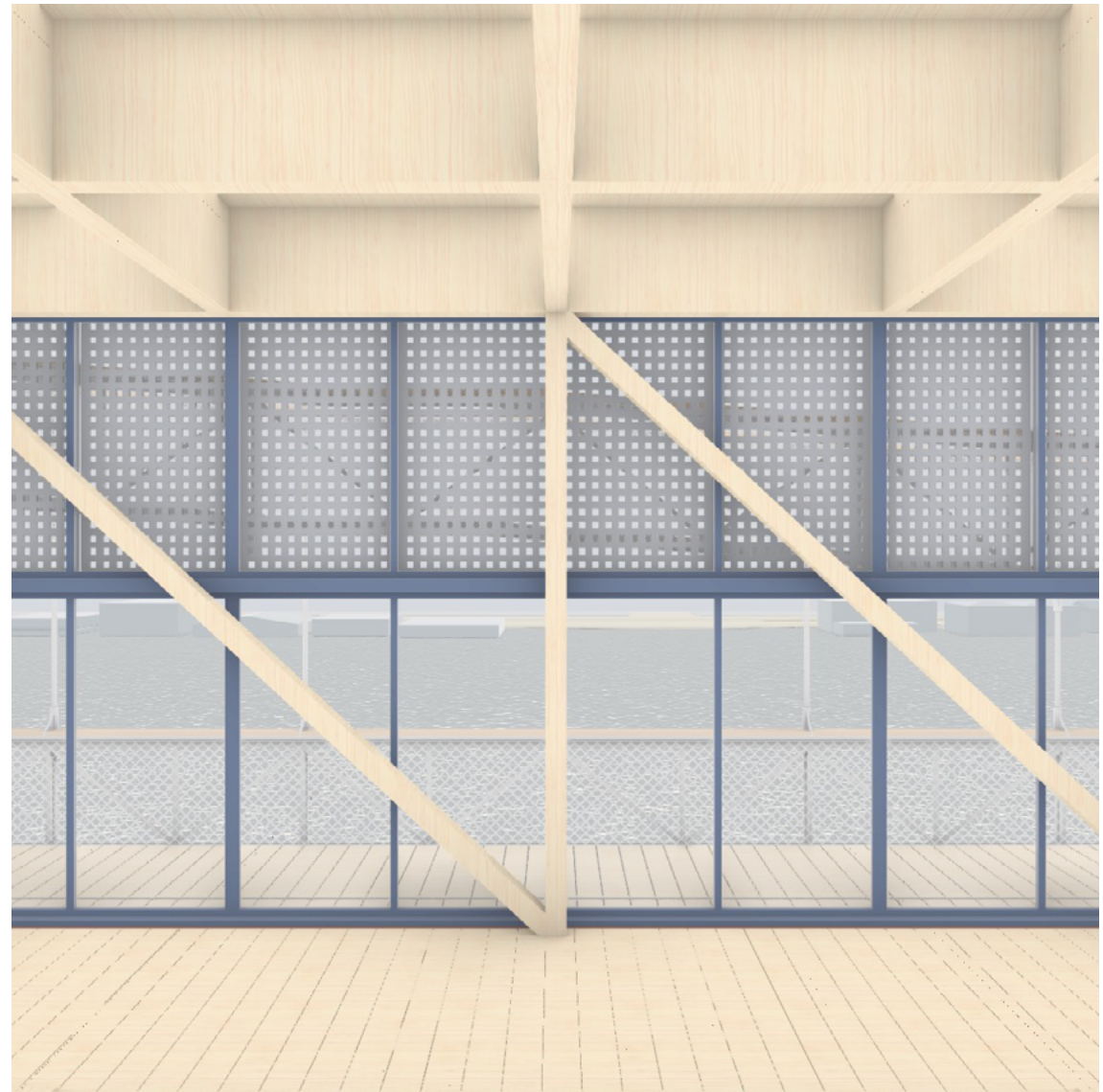
THE ARTIFICIAL BEACH INSIDE THE OCEAN DOME, MIYAZAKI, JAPAN
Martin Parr, 1968



THE ARTIFICIAL BEACH INSIDE THE OCEAN DOME, MIYAZAKI, JAPAN
Martin Parr, 1968



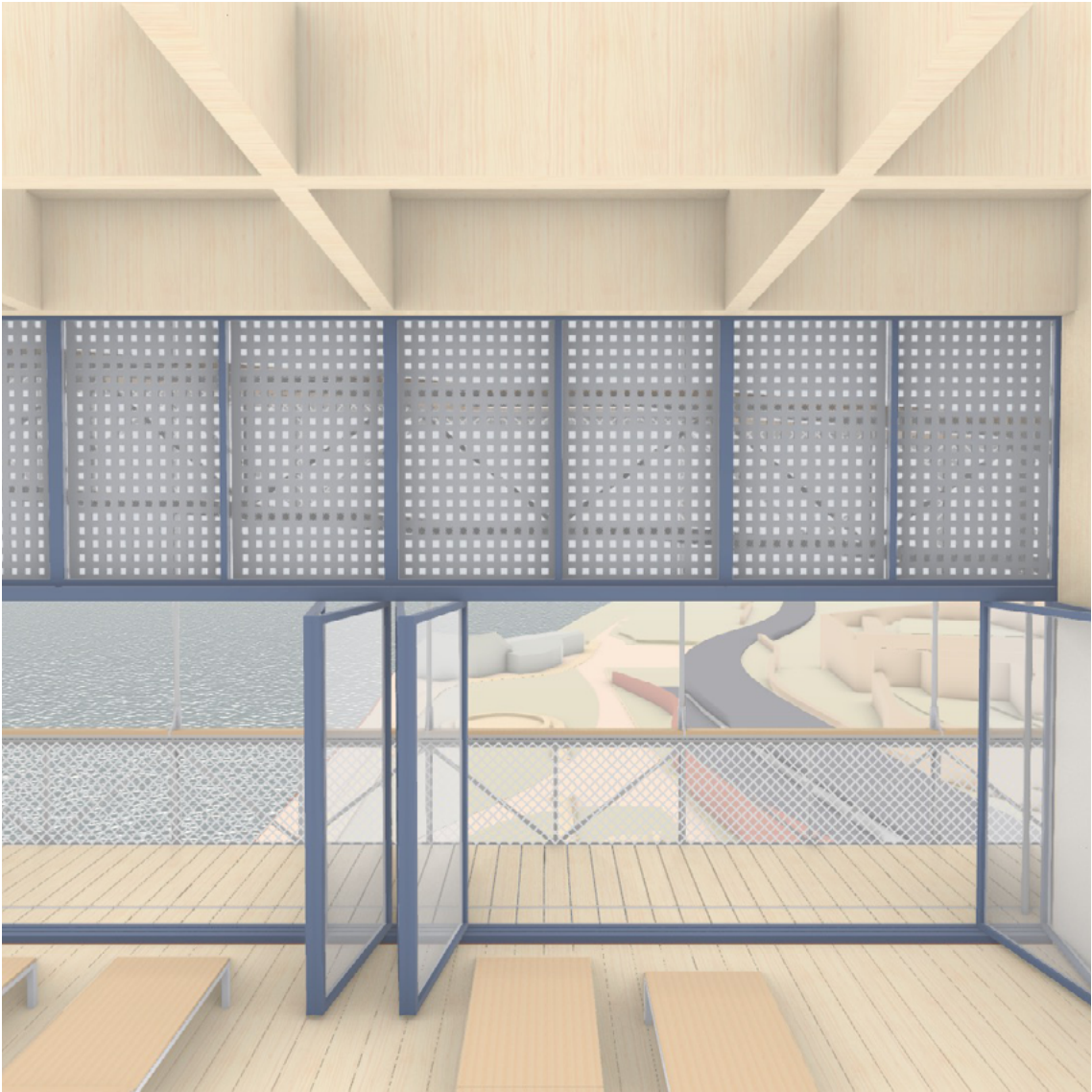
STEPS OVERLOOKING THE SAVA RIVER
3RD FLOOR



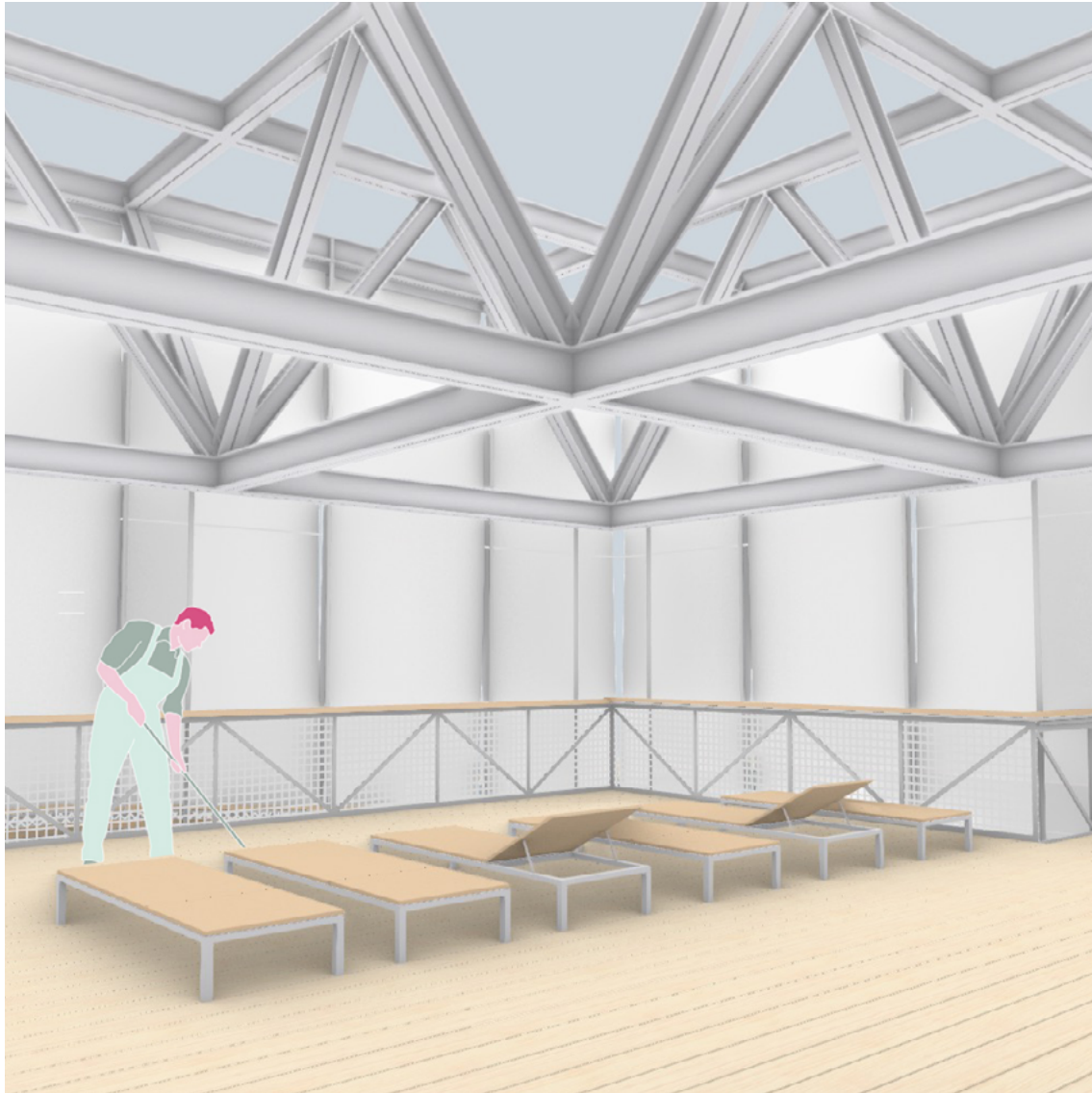
STRUCTURE, FASSADE, ROUTING, RIVER, CITY
3RD FLOOR



AN OPEN ROOM TOWARDS THE PARK
4TH FLOOR



STRUCTURE, FASSADE, ROUTING, PARK, RIVER
3RD FLOOR



*ELEVATED AND CONCEALED
TERRACE ON THE 6TH FLOOR*



*IMMERSED AND EXPOSED
FOUNTAIN IN THE PARK*



PIER FROM THE BATH CROSSING THE PATH FROM THE CITY





VIEW OF NEW BELGRADE FROM THE FORTRESS

