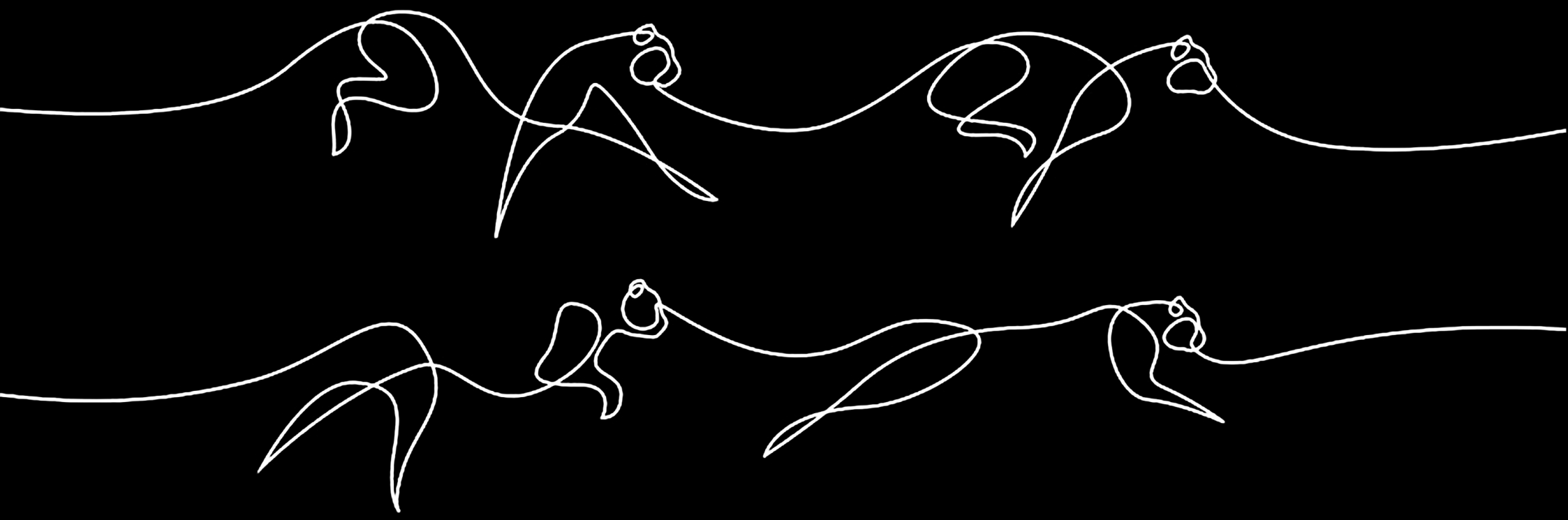
a+g
ETSAM unit

unidad docente aranguren + gallegos //**DPA ETSAM**



ZOOTOPIA

DISNEY

UD. ARANGUREN + GALLEGOS

DEPARTAMENTO DE PROYECTOS ARQUITECTONICOS DE LA E.T.S.A.M.

PROYECTOS 1 y 2

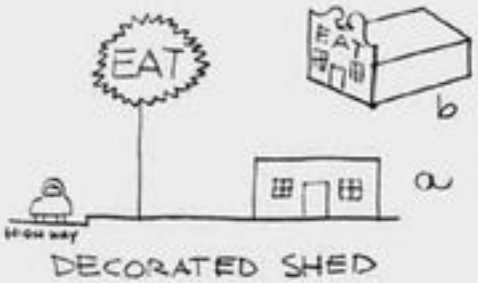
semestre primavera 17/18

Profesores: María José Aranguren. José González Gallegos. David Casino Rubio. Alberto Martínez Castillo. Pablo Oriol Salgado. María José Pizarro Juanas. Marcelo Ruíz Pardo. Vicente Sáenz Guerra. Ricardo Sánchez González. Blanca Juanes Juanes. Toni Gelabert Amengual. Ricardo Montoro Coso. Manuel Pascual García. Juana Canet Roselló.

73. "Long Island Duckling" from *God's Own Junkyard*

74. Road scene from *God's Own Junkyard*

75. Duck

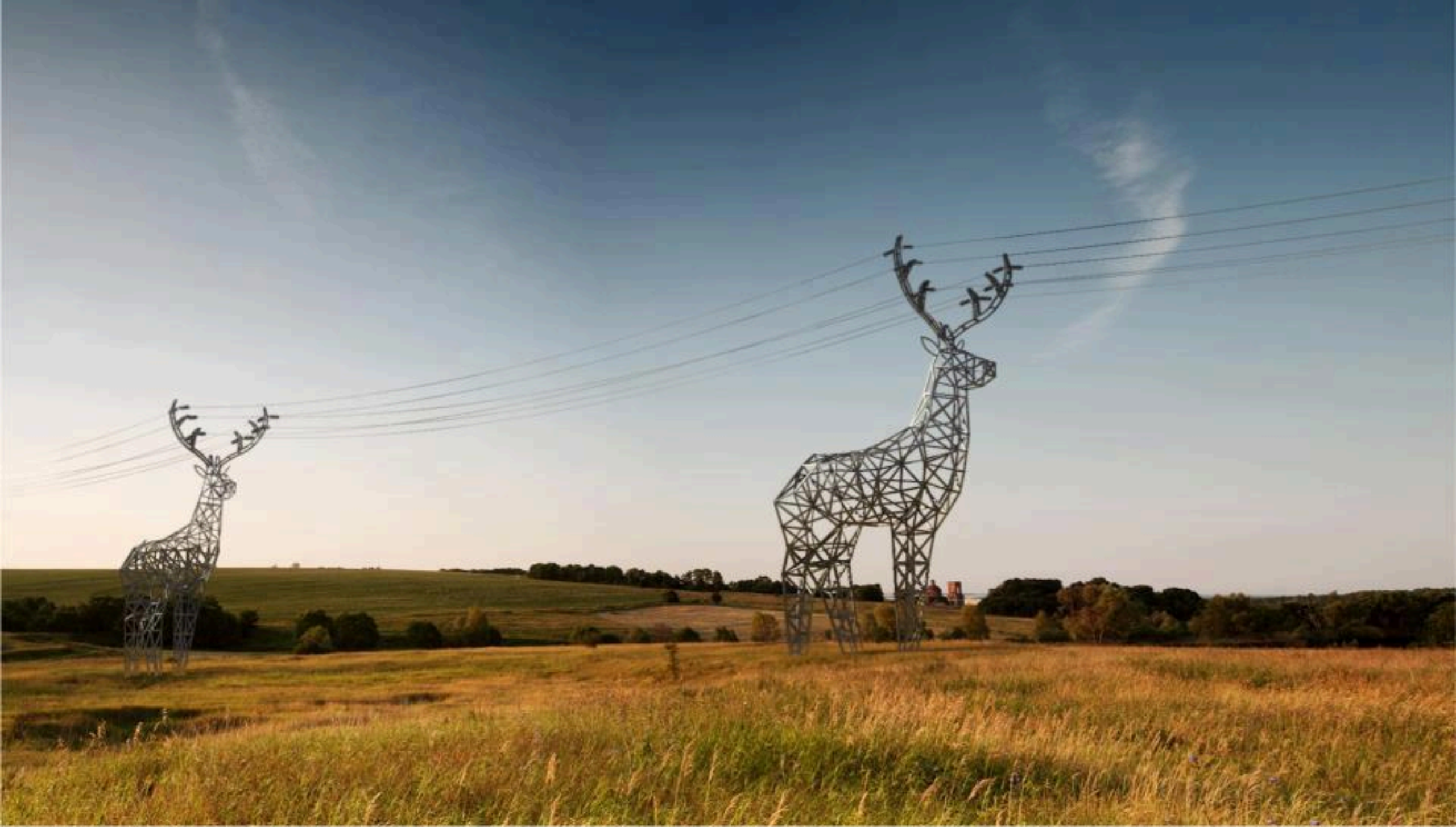


76. Decorated shed


I'M A B&B
208962-3647


OPEN


PARKING FOR LUCY THE ELEPHANT AND GIFT SHOP ONLY ONE HOUR LIMIT
PARKING FOR LUCY THE ELEPHANT AND GIFT SHOP ONLY ONE HOUR LIMIT
PARKING FOR LUCY THE ELEPHANT AND GIFT SHOP ONLY ONE HOUR LIMIT
LUCY PARKING ONLY
WELCOME TO Lucy




-LONGABERGER-

http://www.qsgz.gz.cn

王来茂 摄影

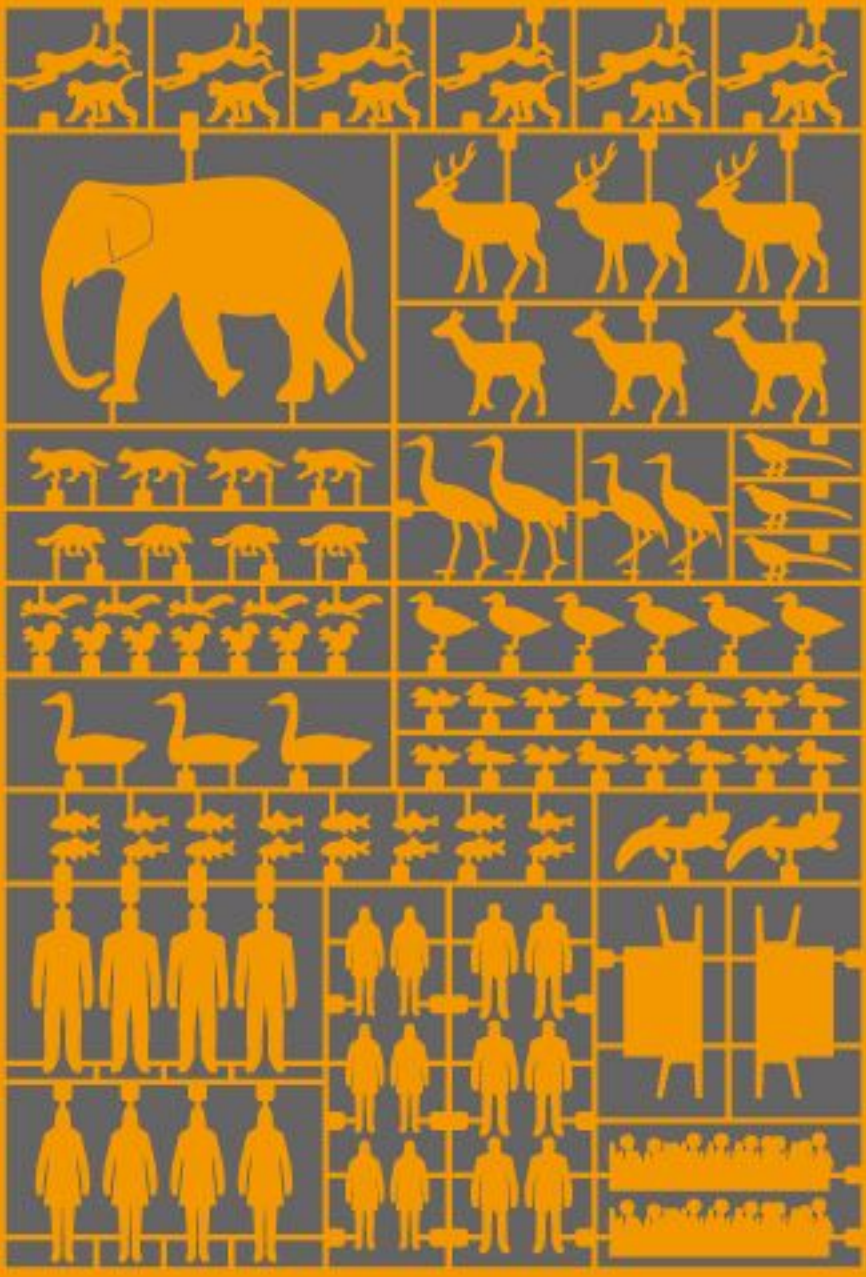

6
A
ZOO

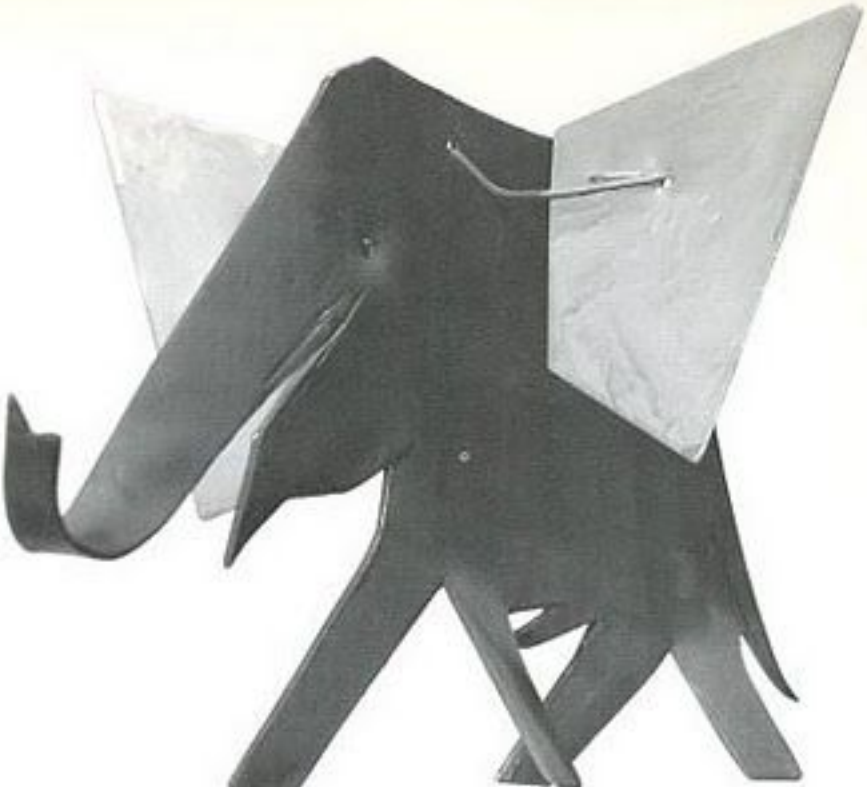
1/100 建築模型用添景セット 動物園編

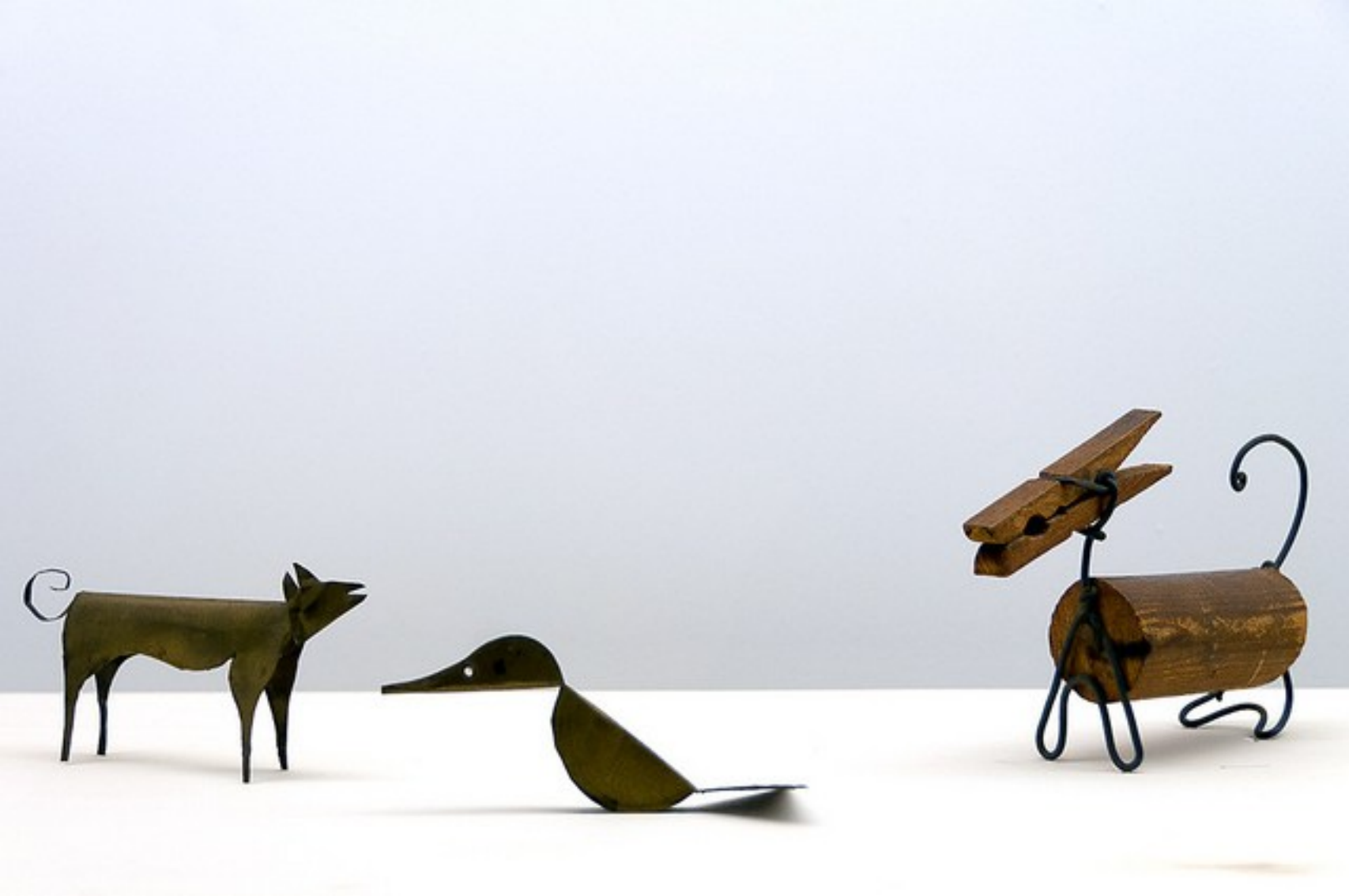
ARCHITECTURAL MODEL ACCESSORIES SERIES

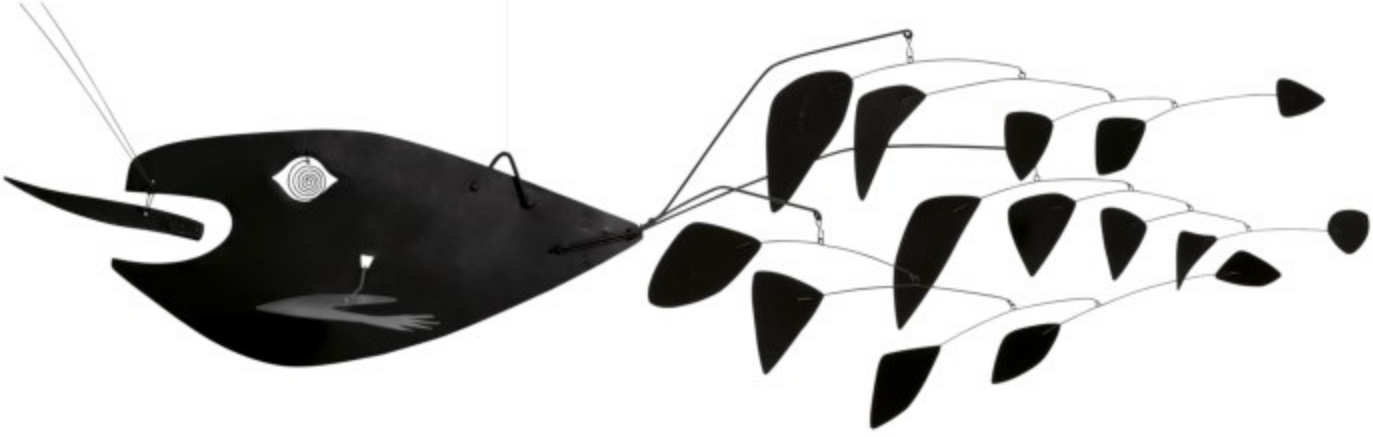
004

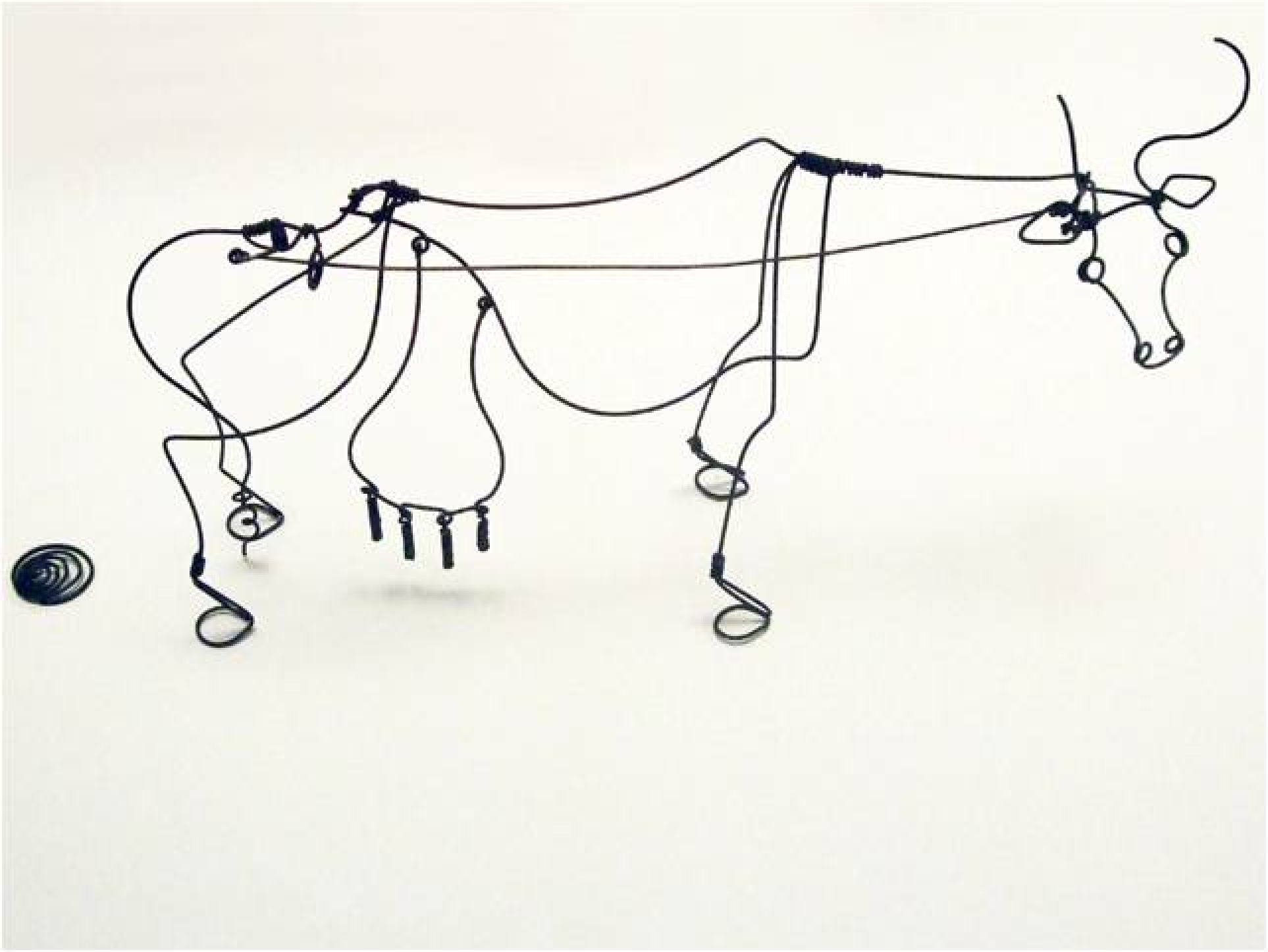
No.4 ZOO

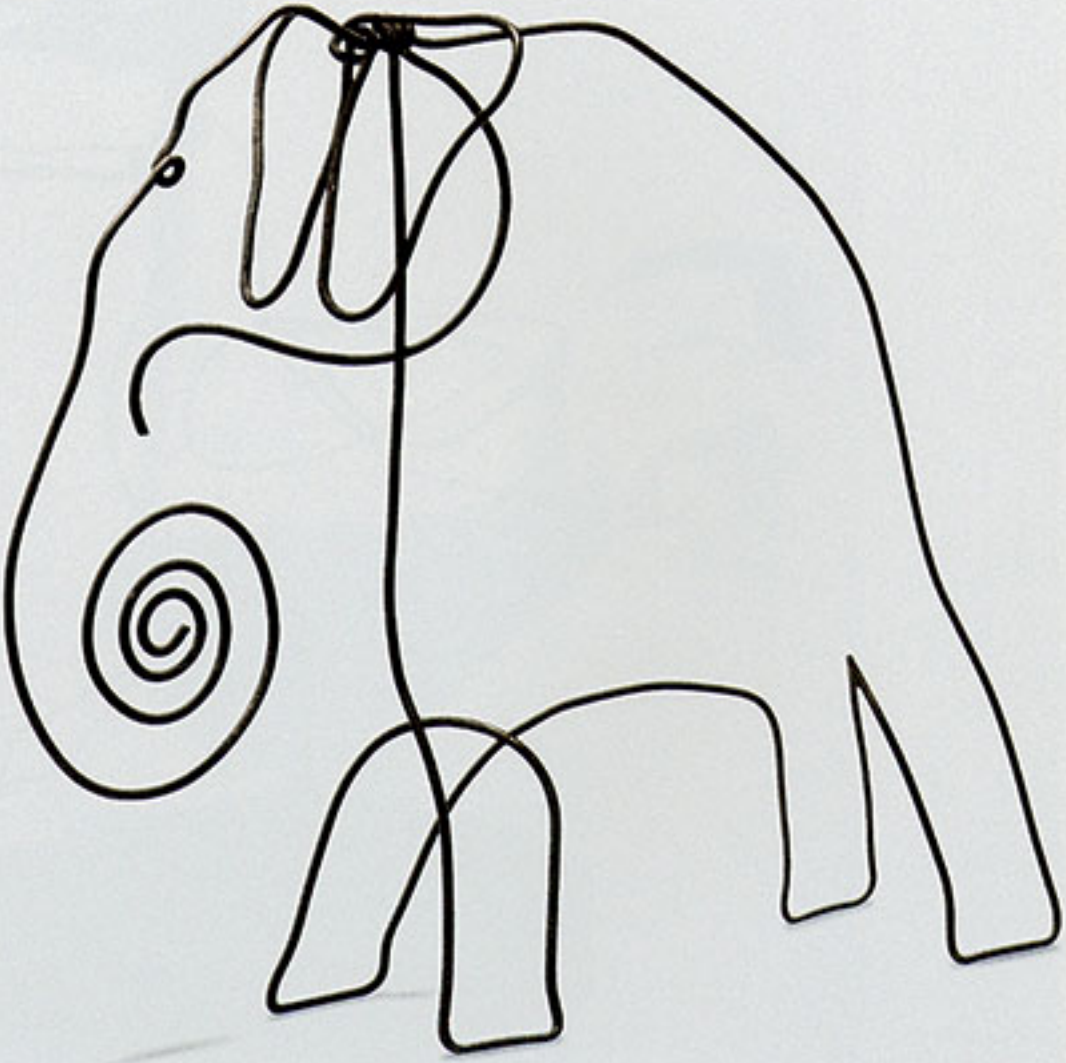


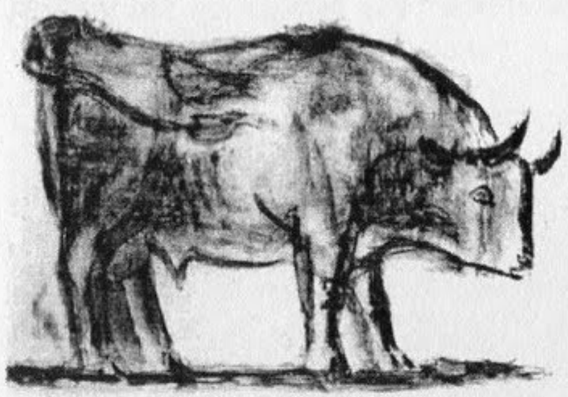


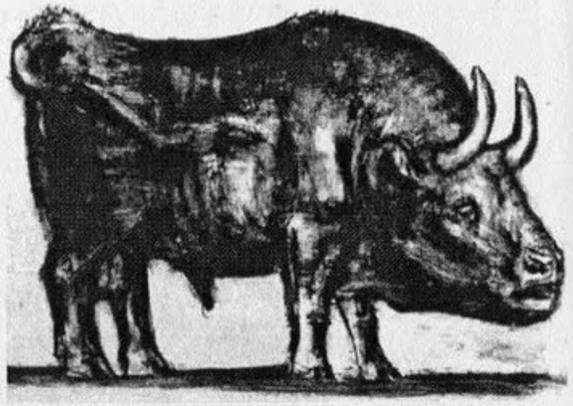


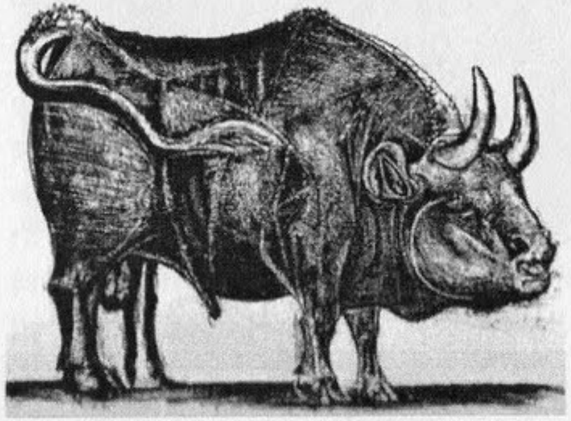


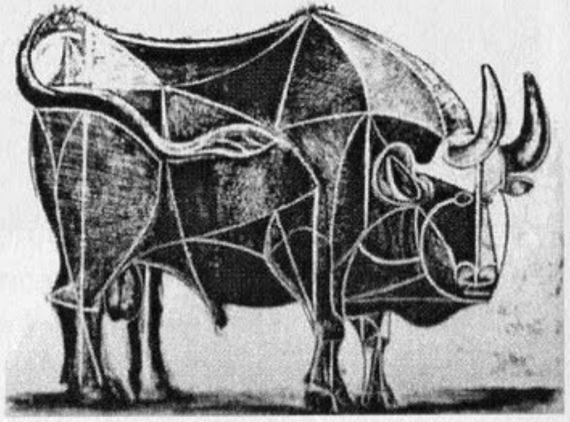


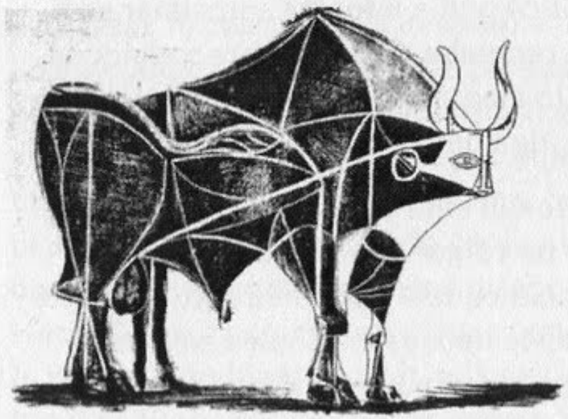


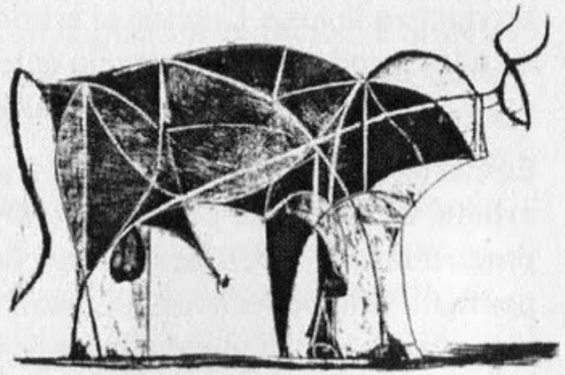


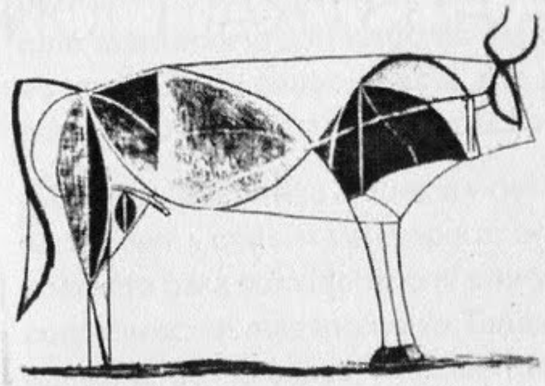


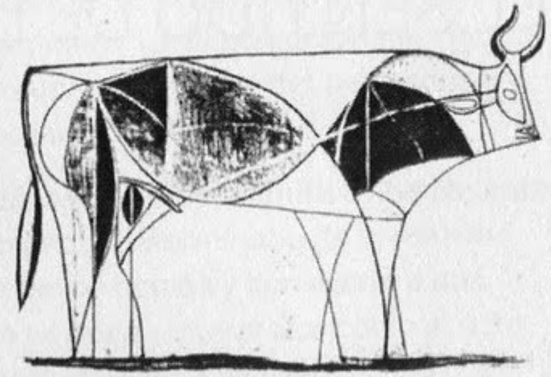


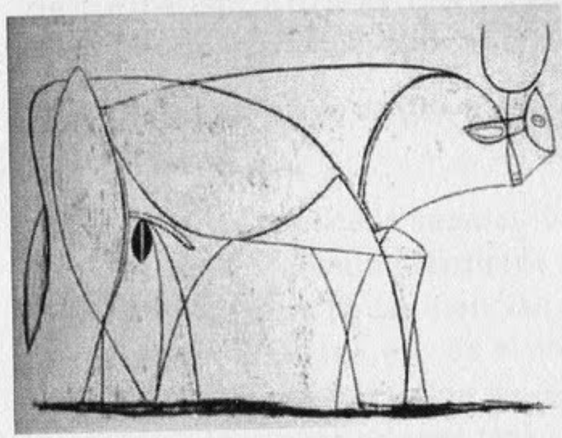


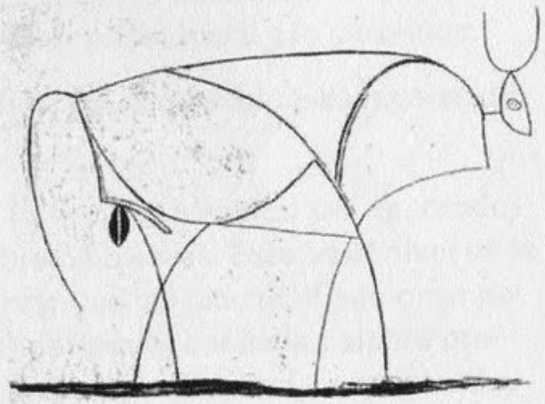


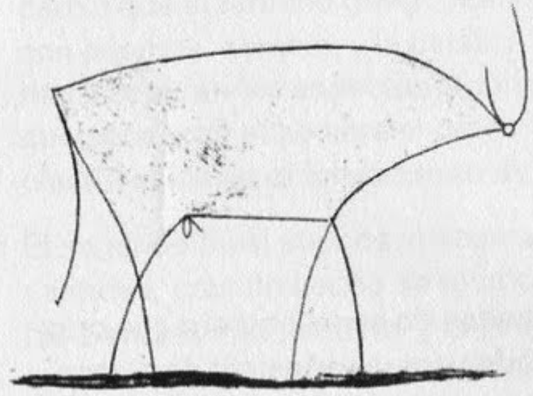












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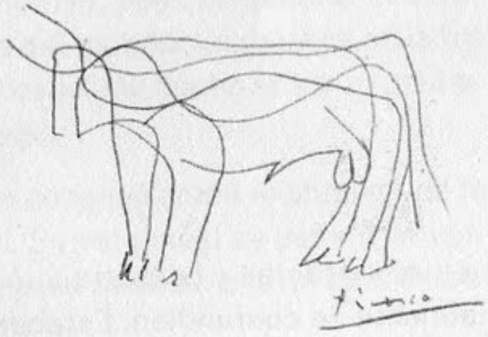
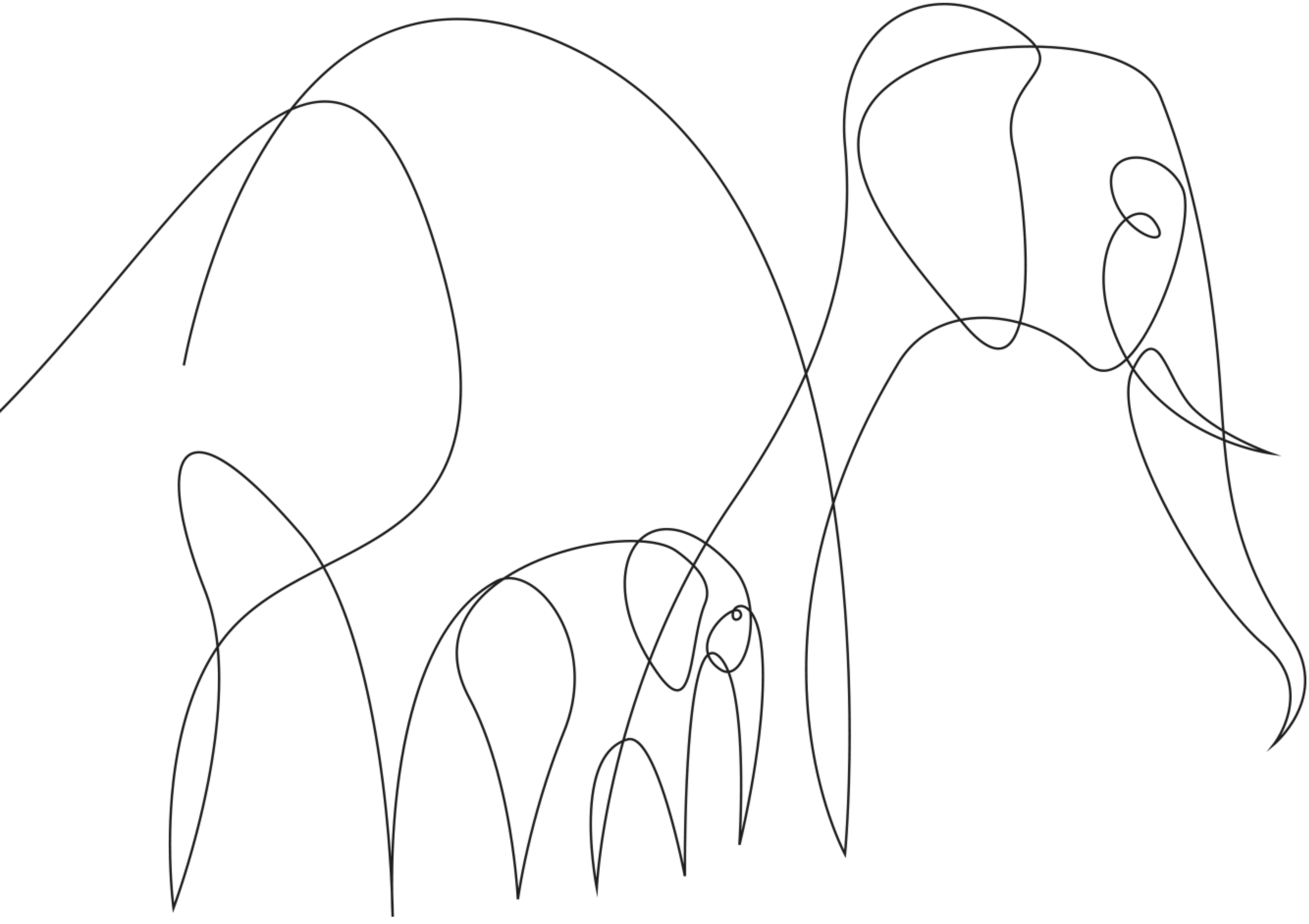
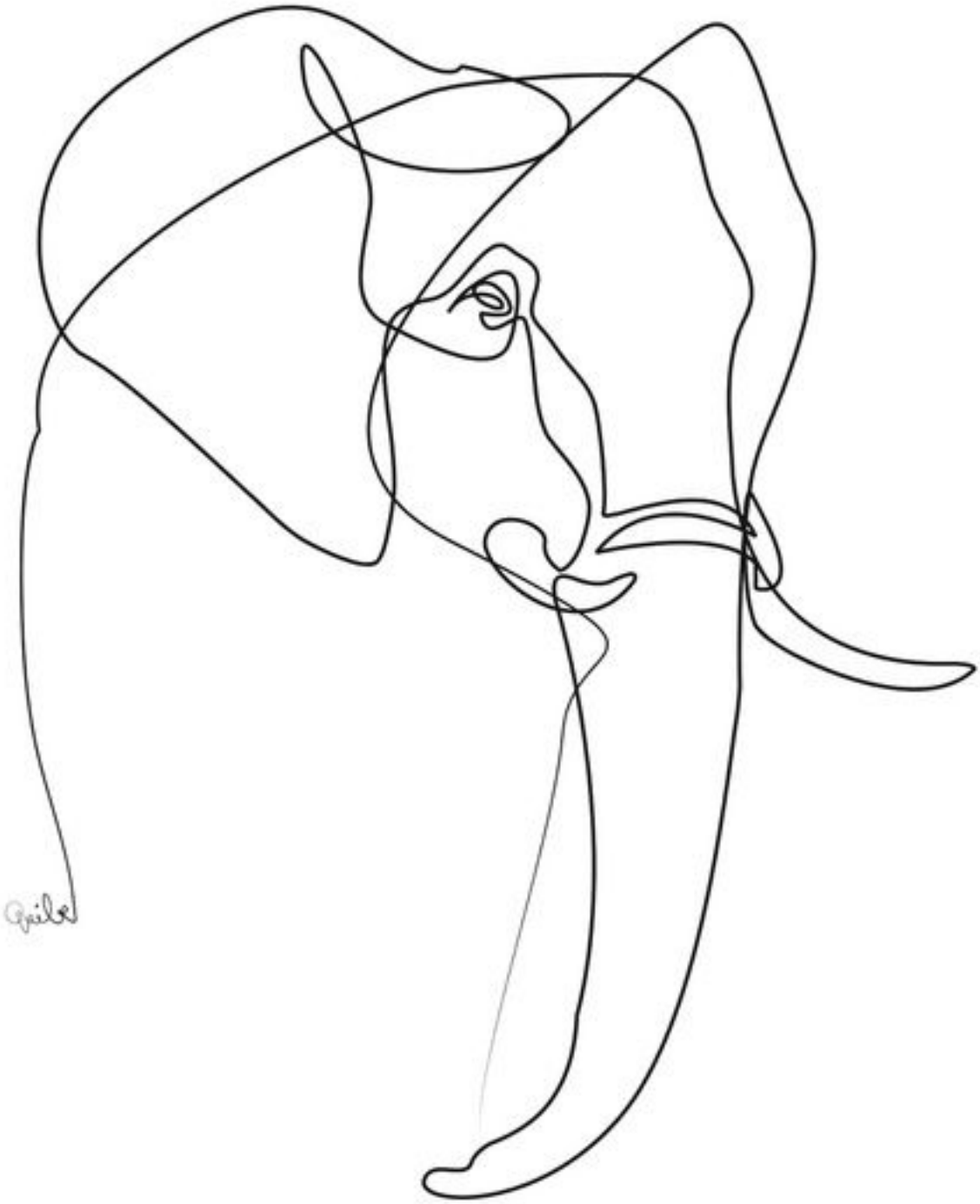
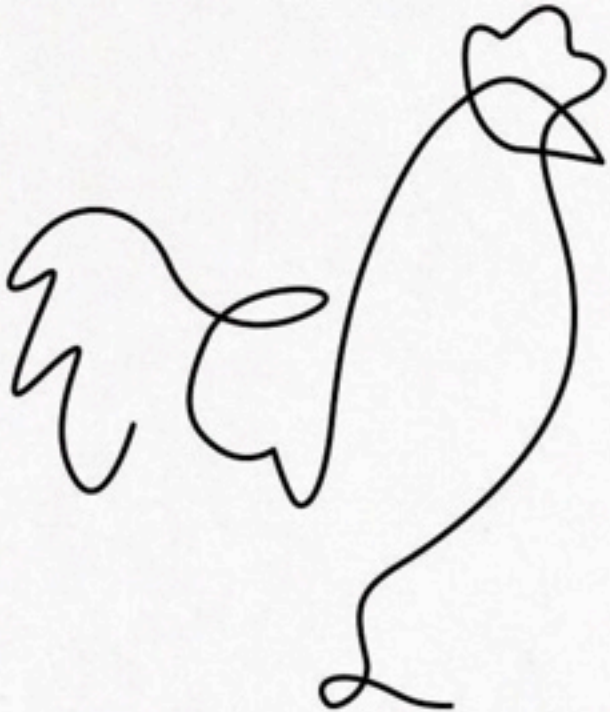
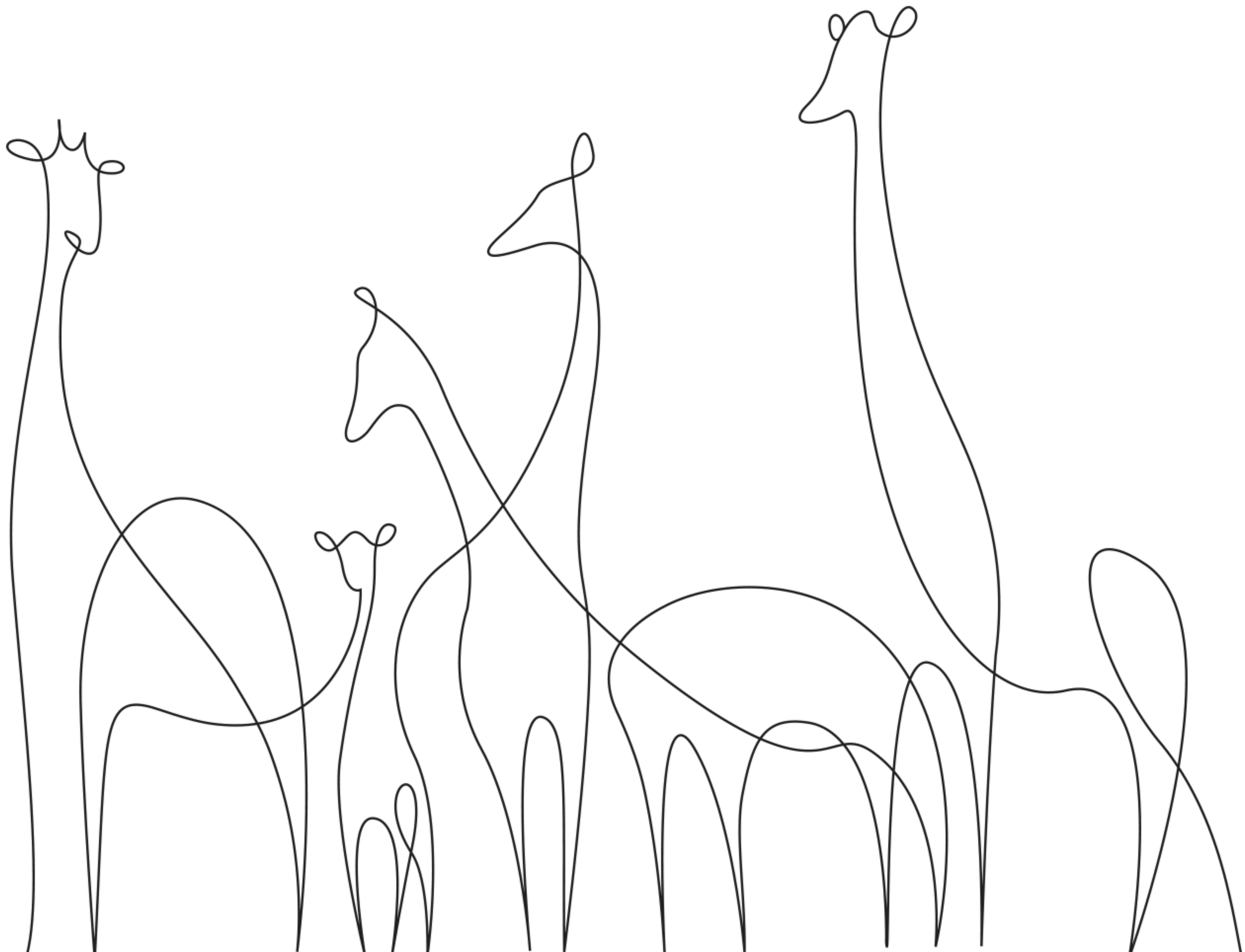
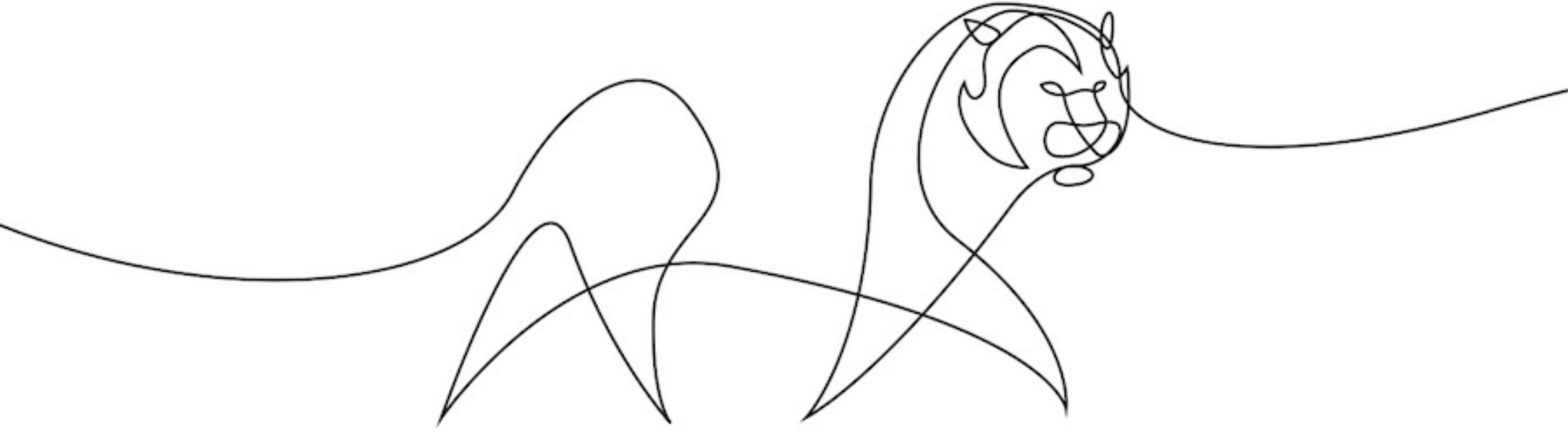


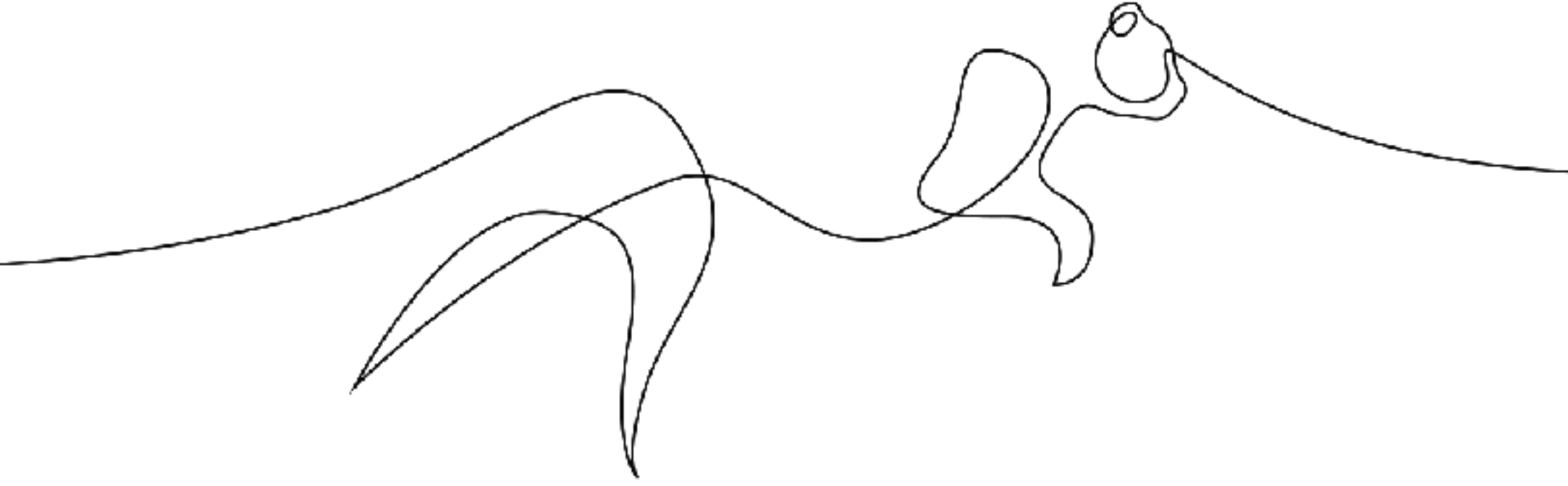




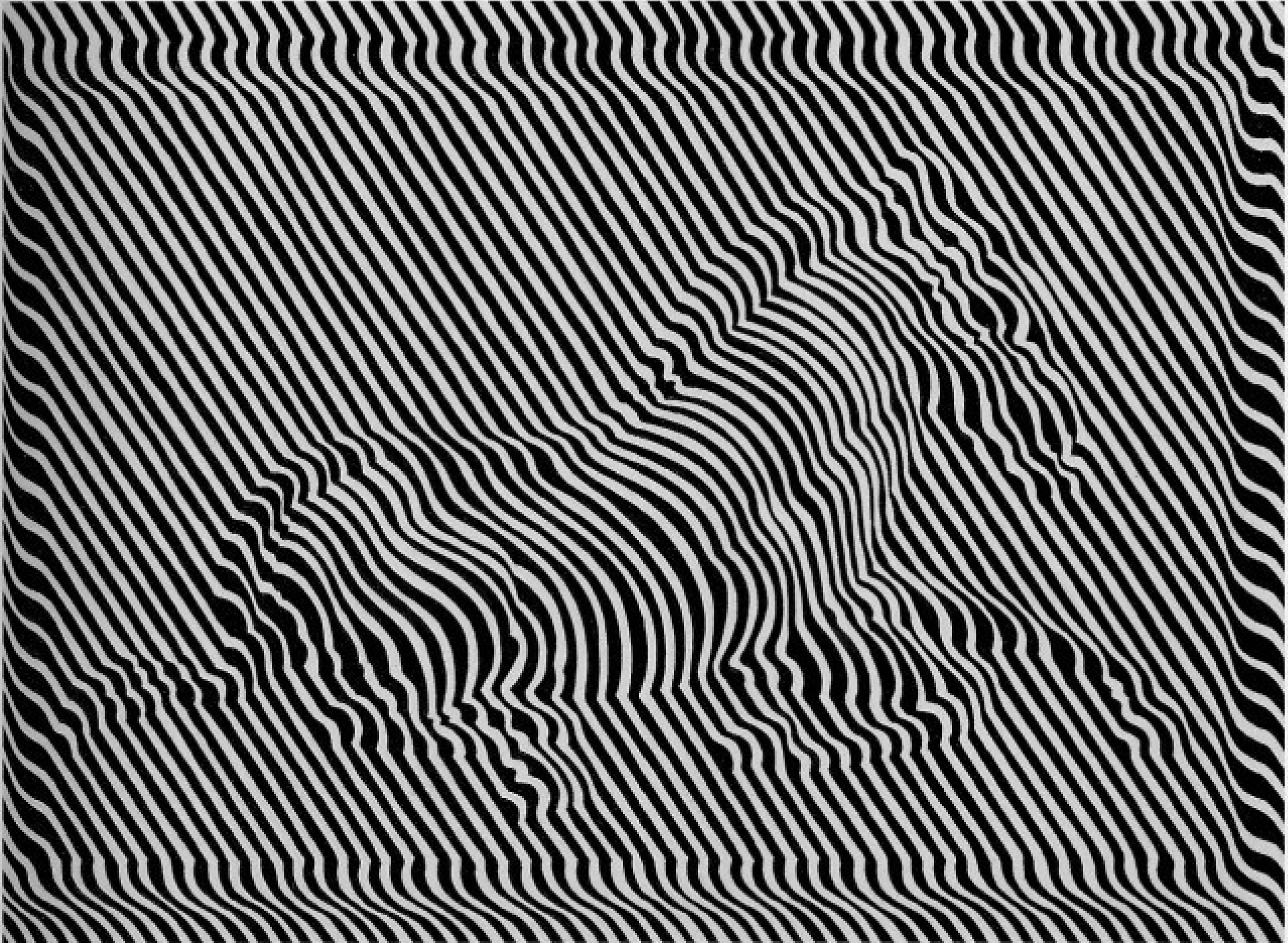




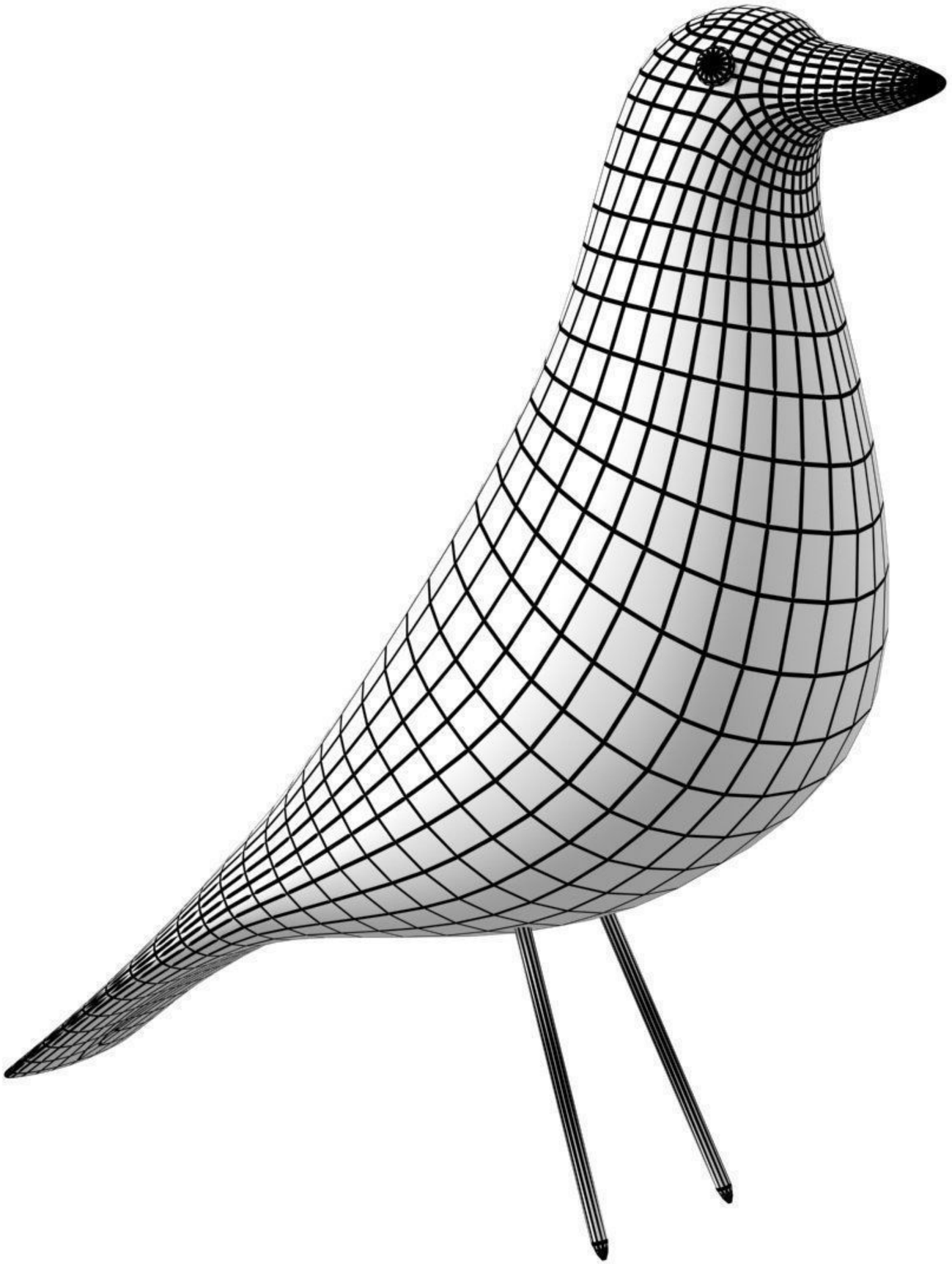




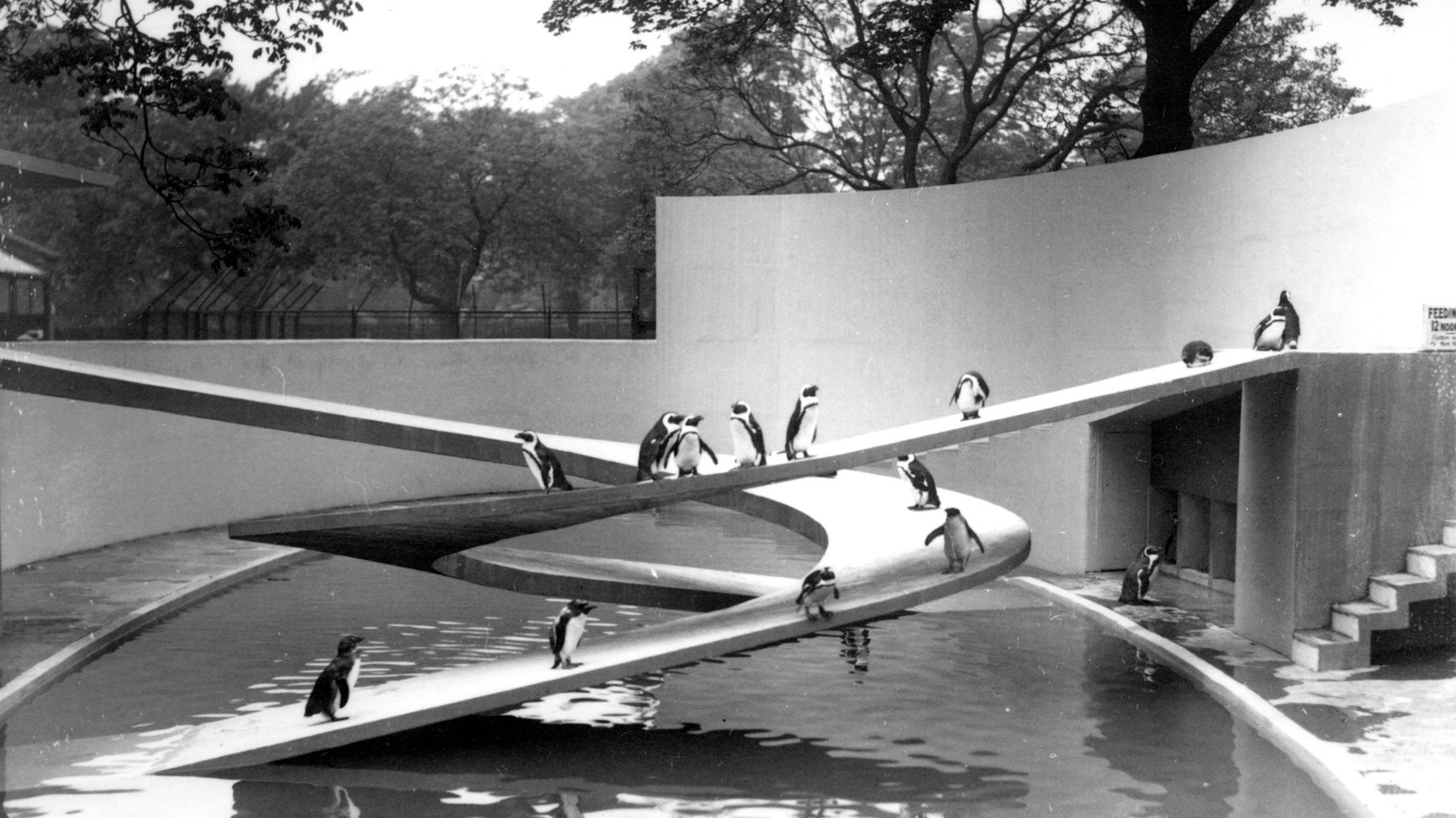

vasarely

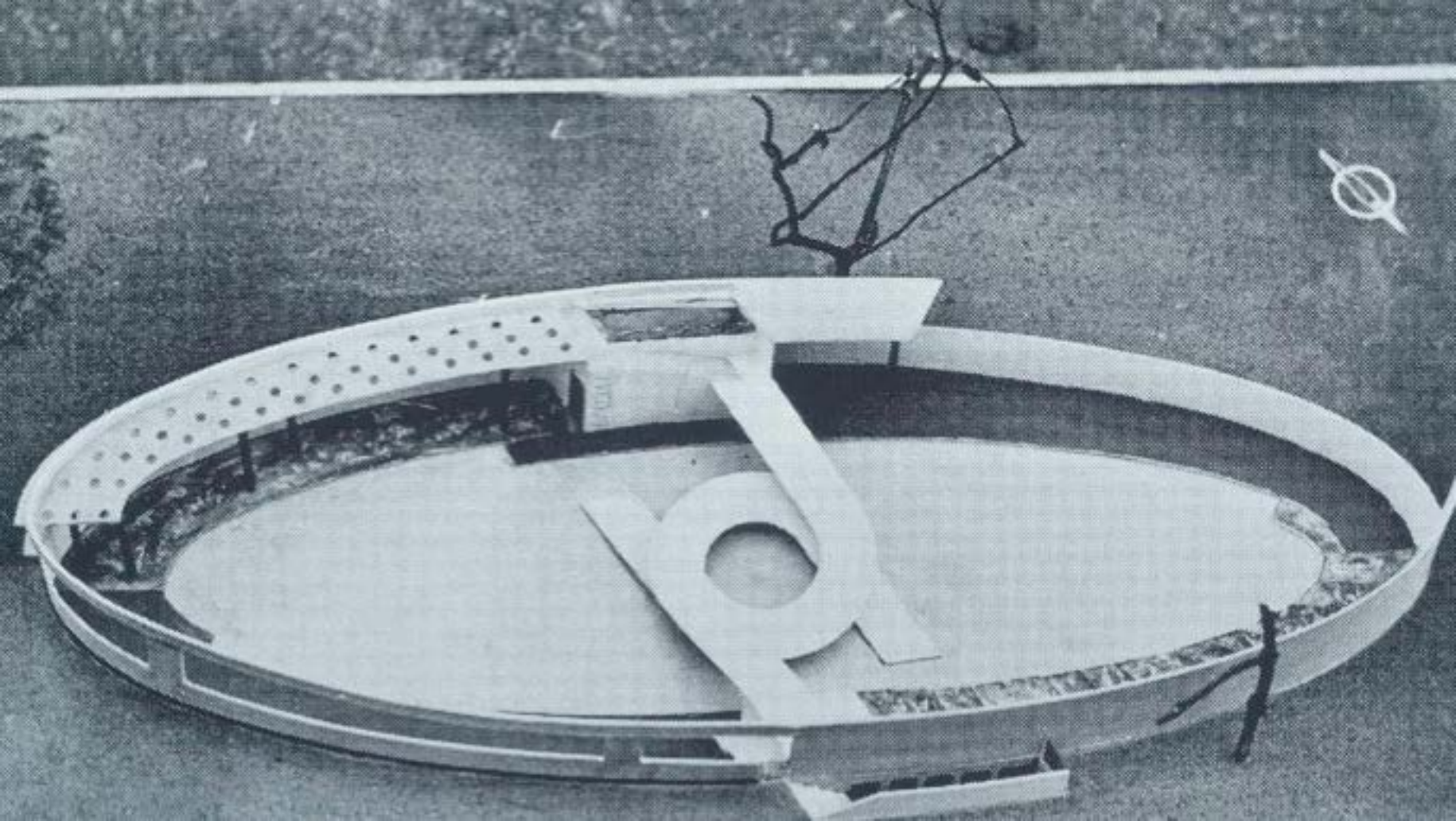



NORHO.TAOBAO.COM

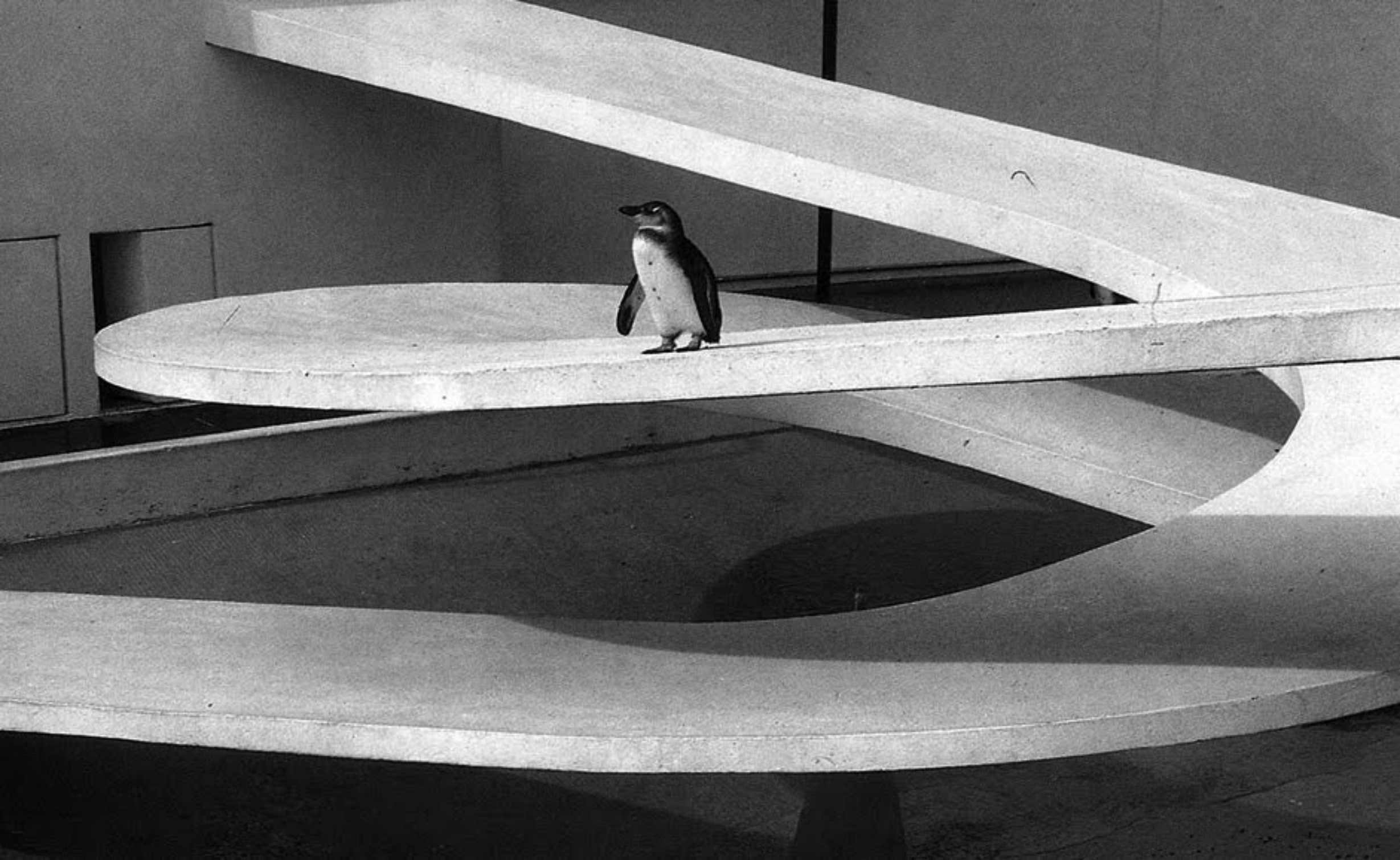



Eames House Bird

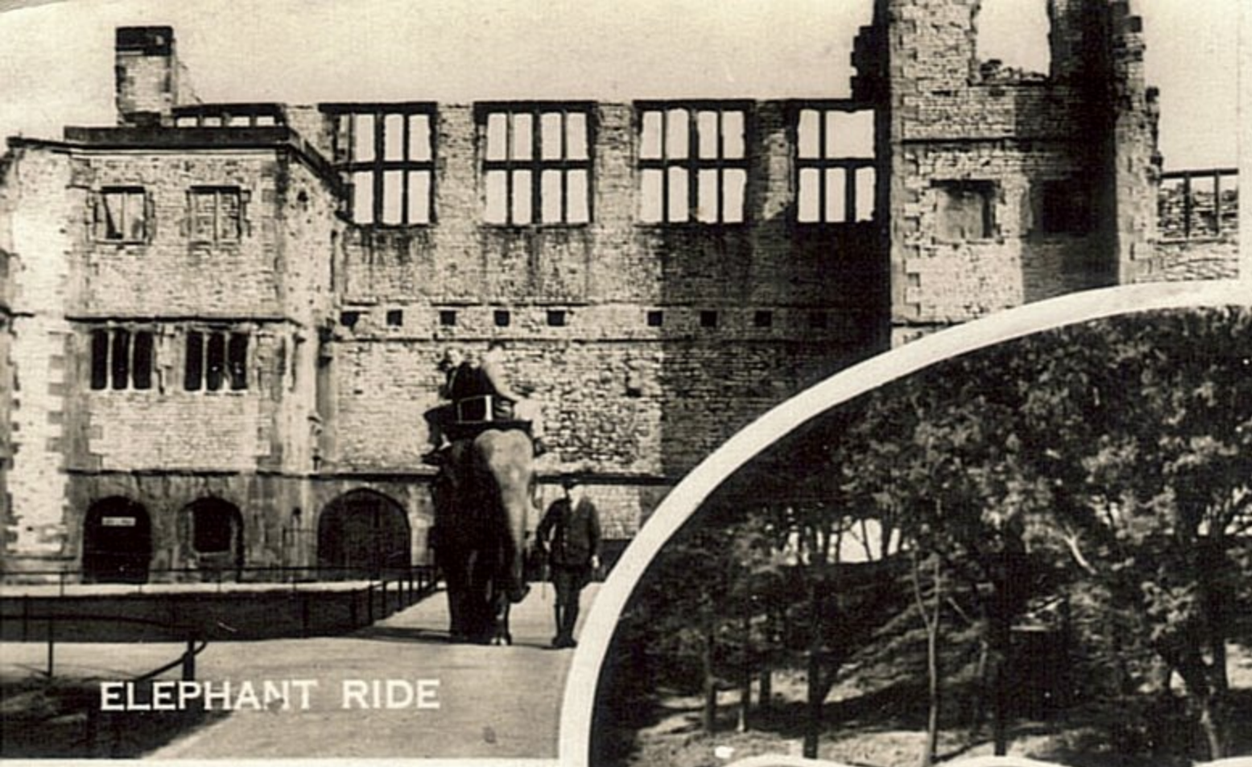


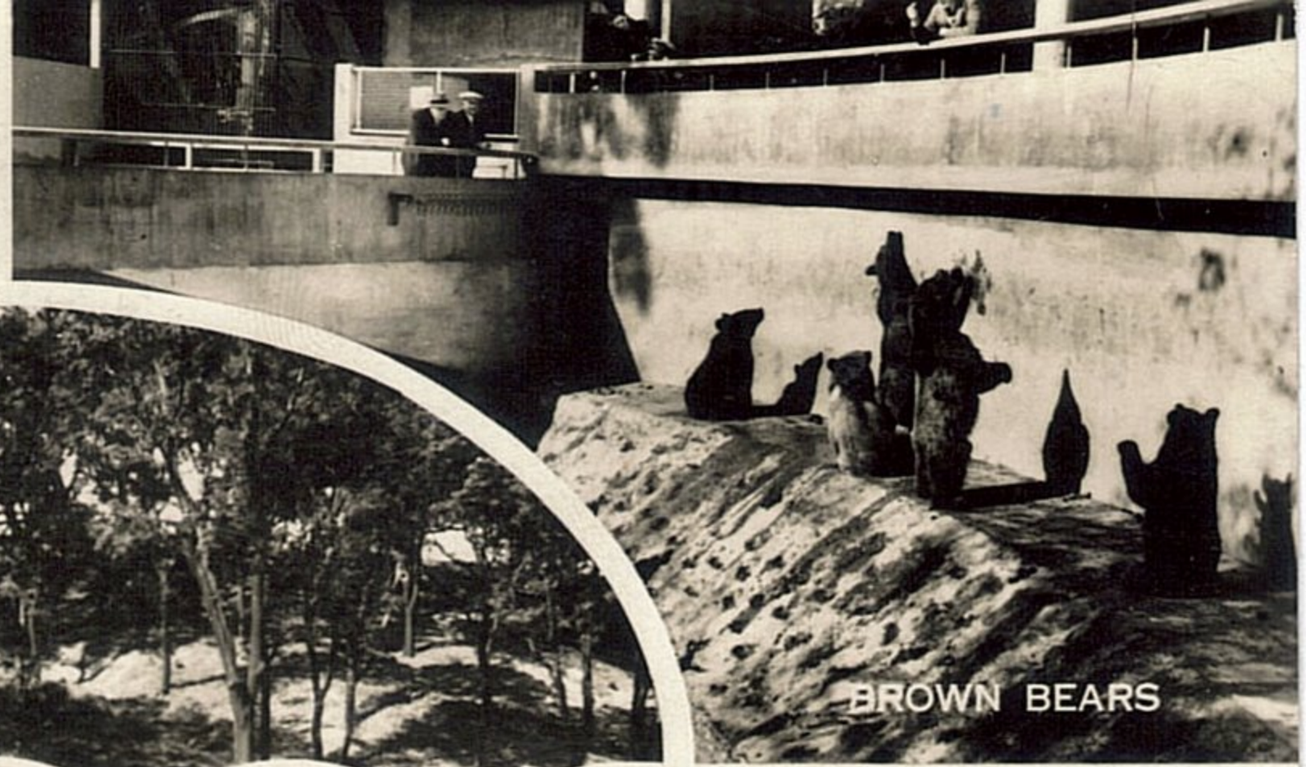



PENGUIN POOL




DUDLEY
Zoo
An Ancient Castle... A Wooded Hillside
The most Up to Date Zoo in the World


ELEPHANT RIDE

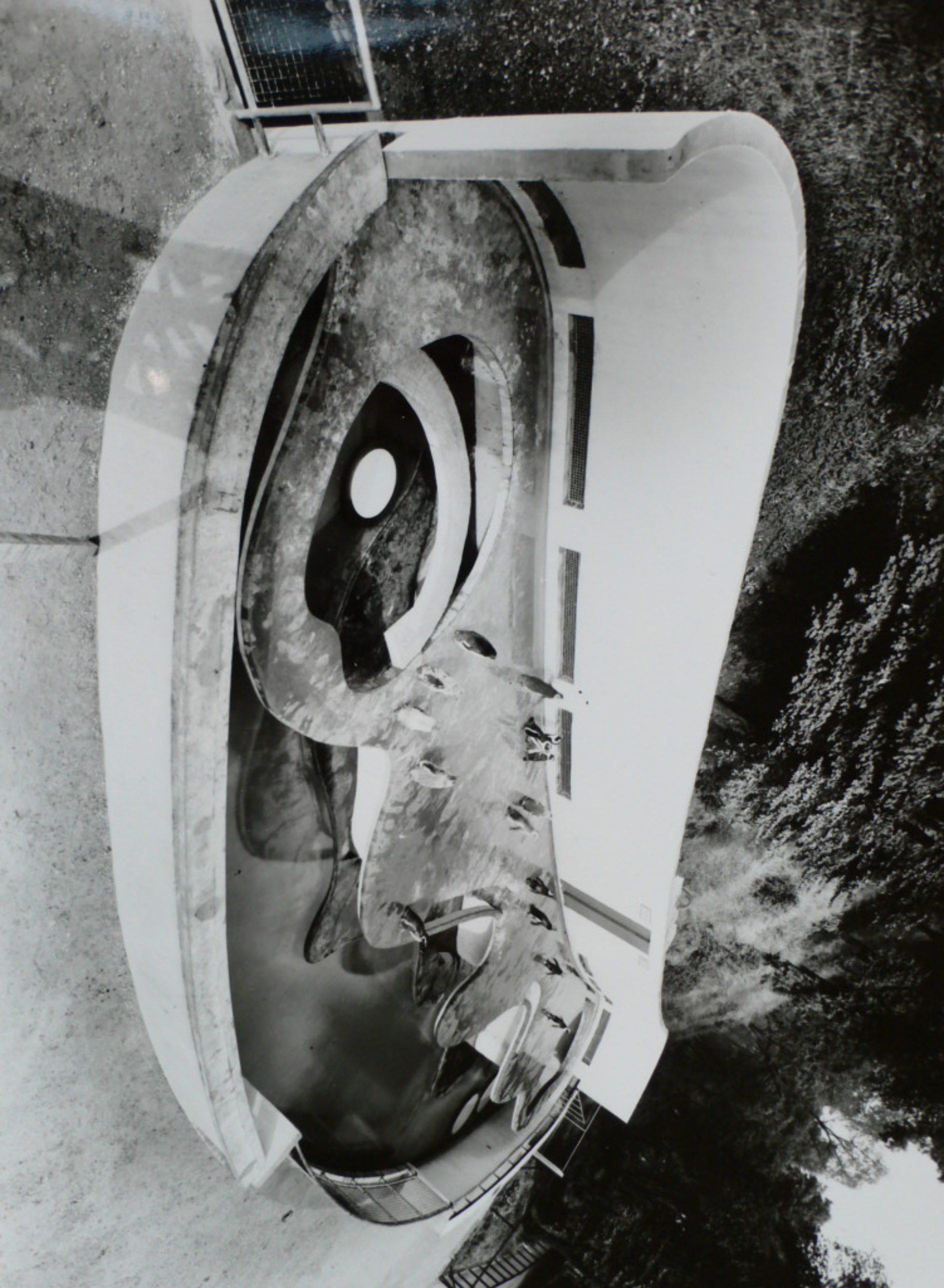

BROWN BEARS

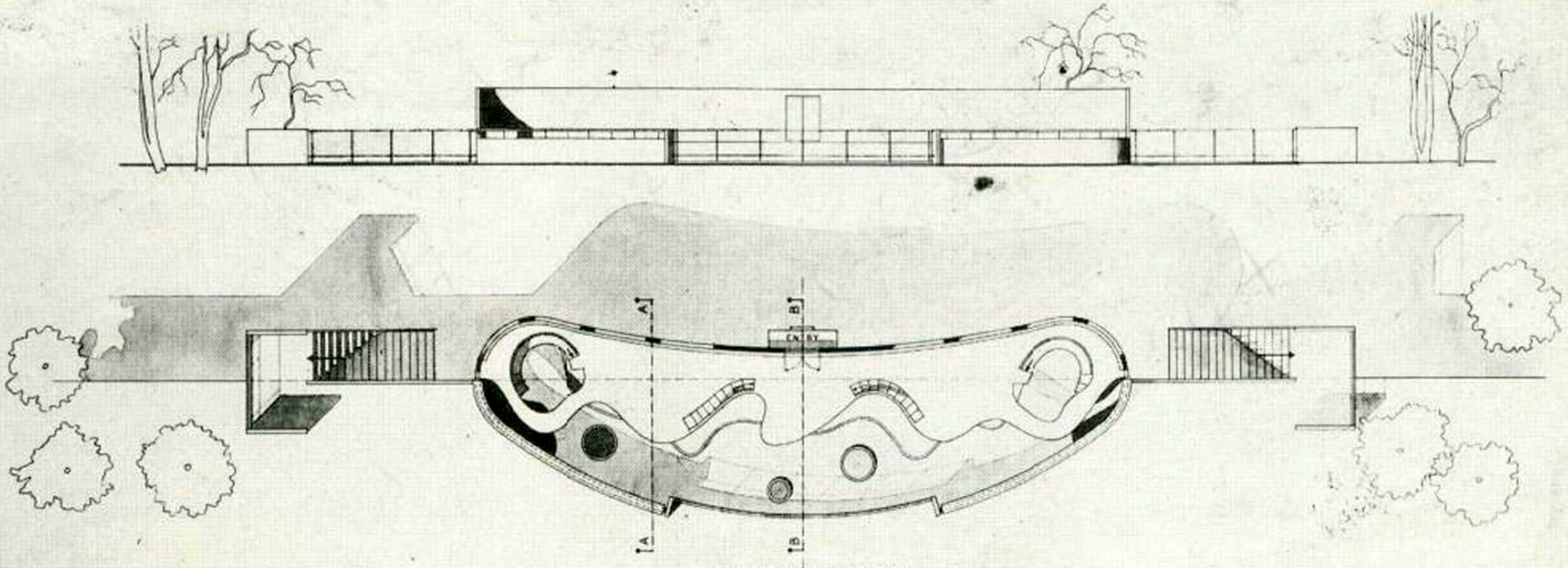

ENTRANCE

DUDLEY ZOO

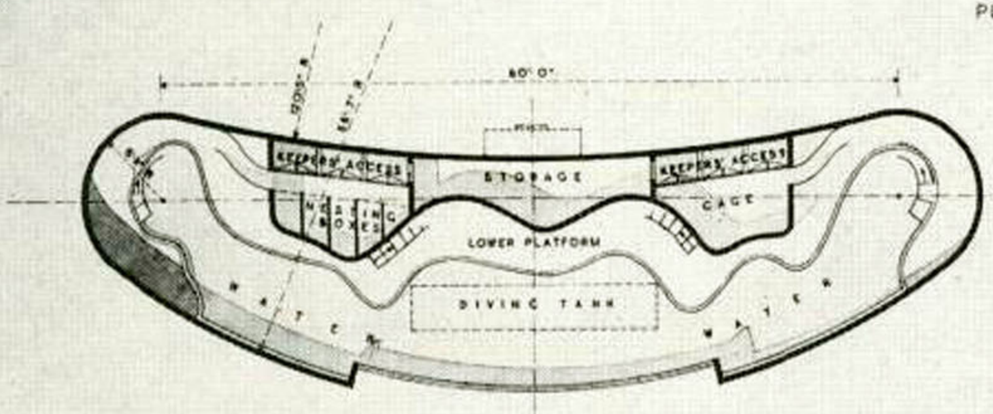

PENGUIN POOL


SHETLAND PONIES
L.1574

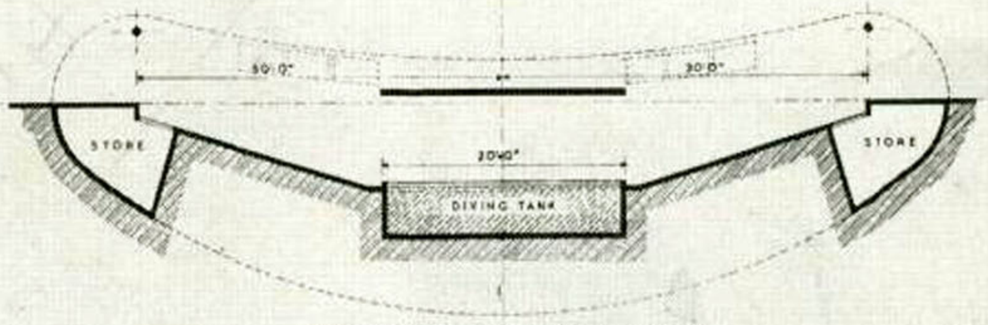




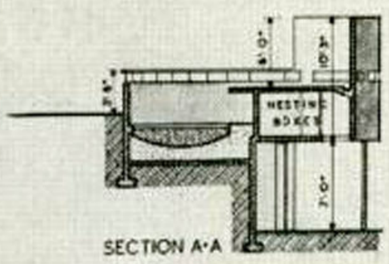
PLAN AT UPPER PLATFORM



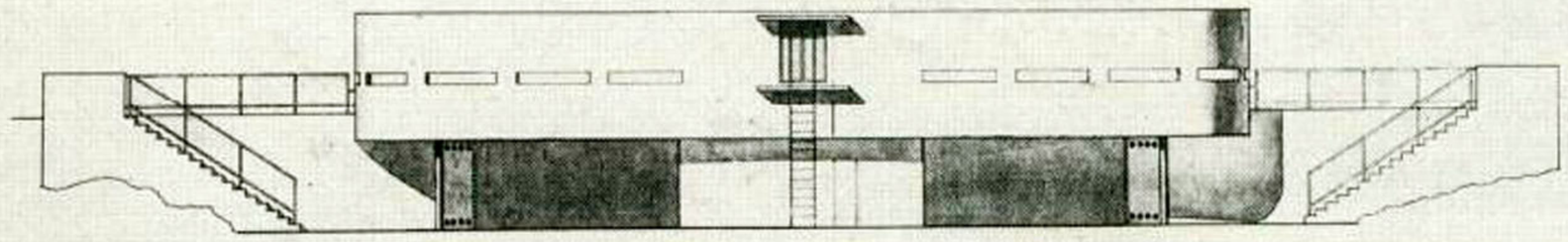
PLAN THROUGH NESTING BOXES

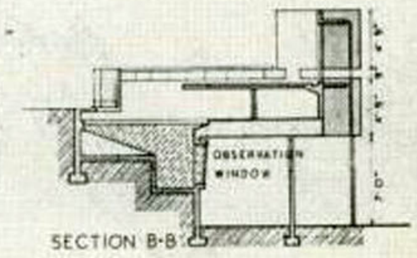


PLAN THROUGH OBSERVATION WINDOW



SECTION A·A

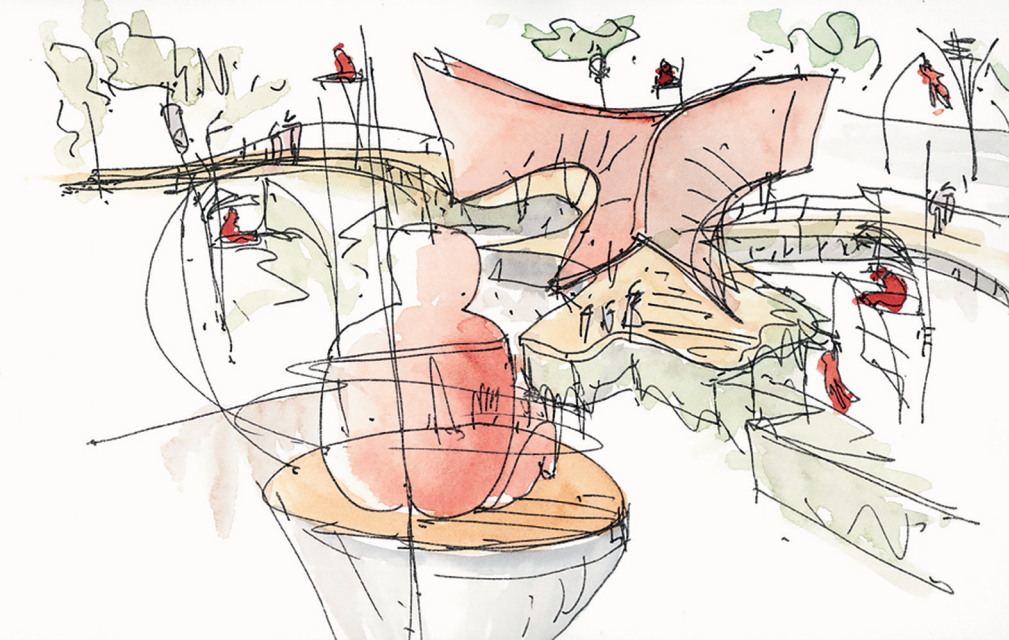


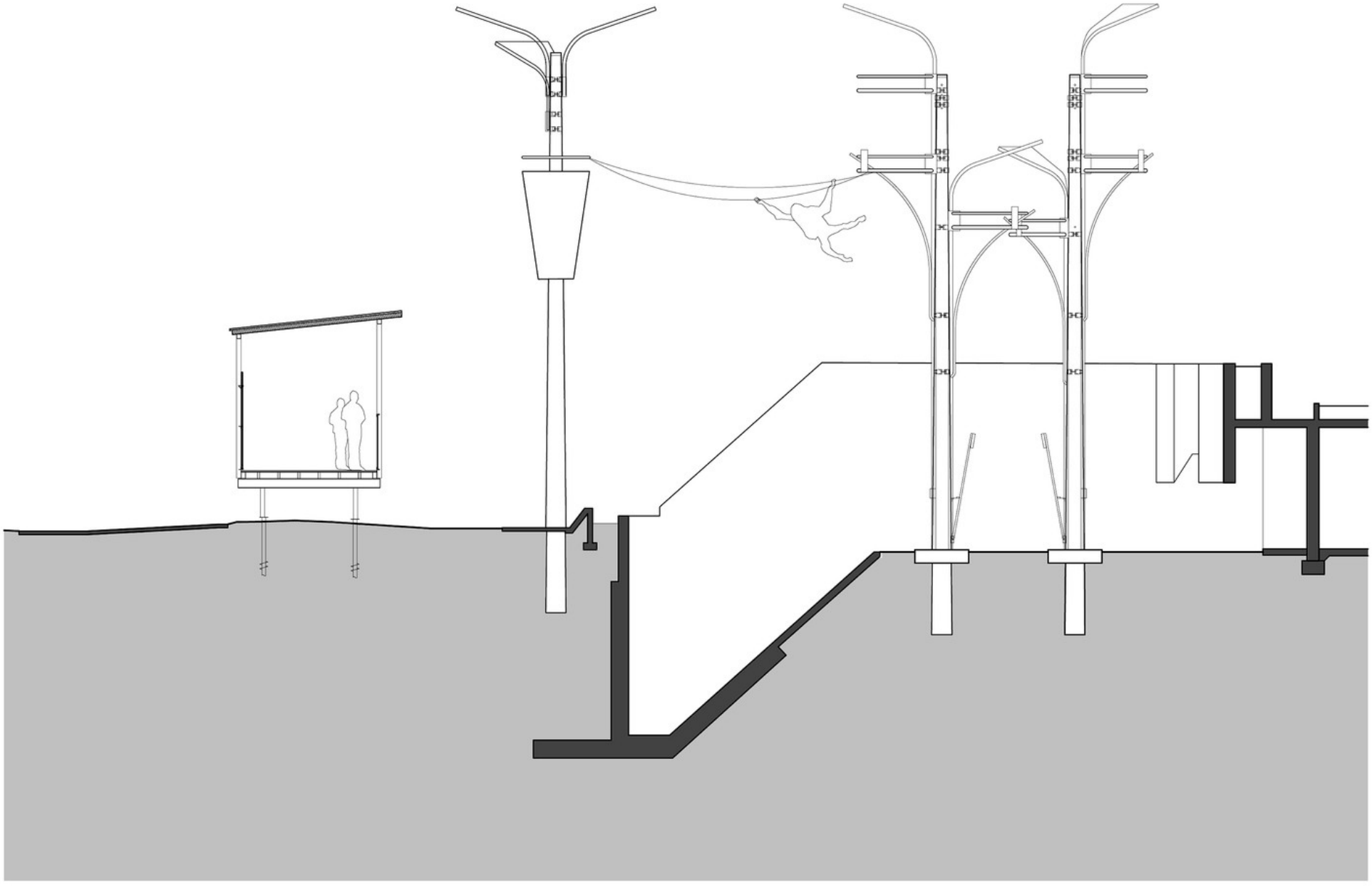


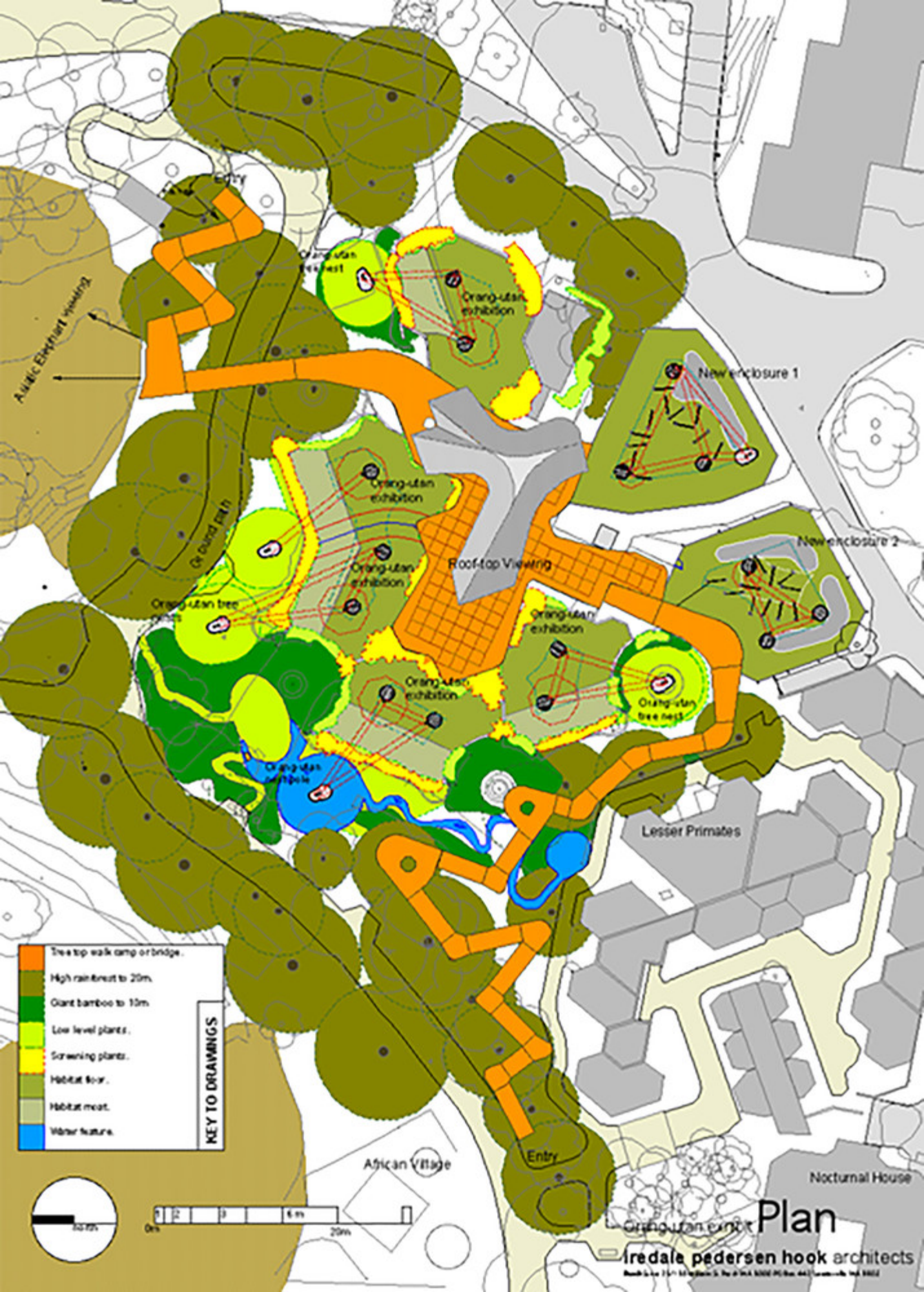
SECTION B·B

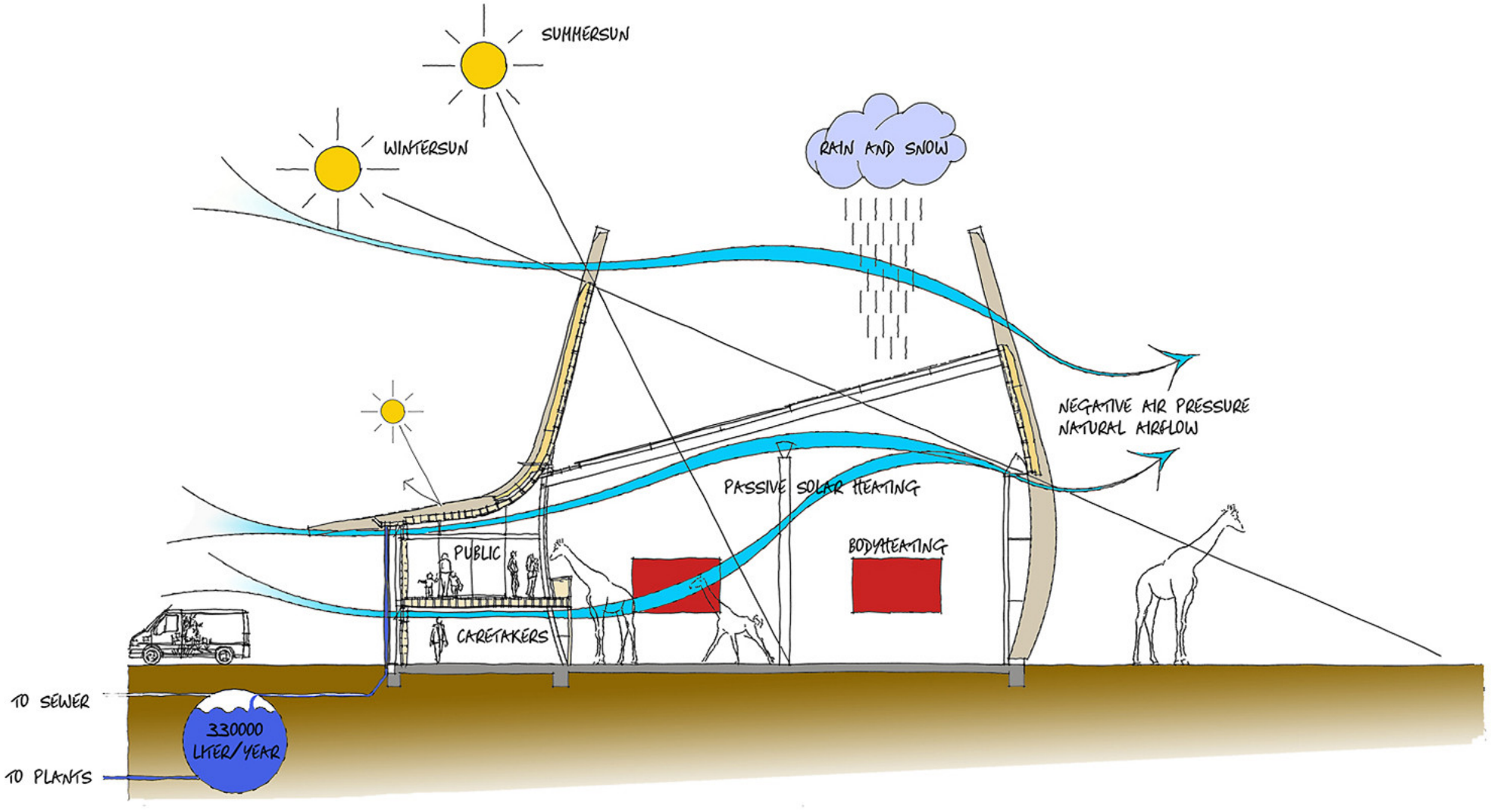
SCALE OF FEET 0 5 10 15 20 25 30

DUDLEY ZOO PENGUIN POOL



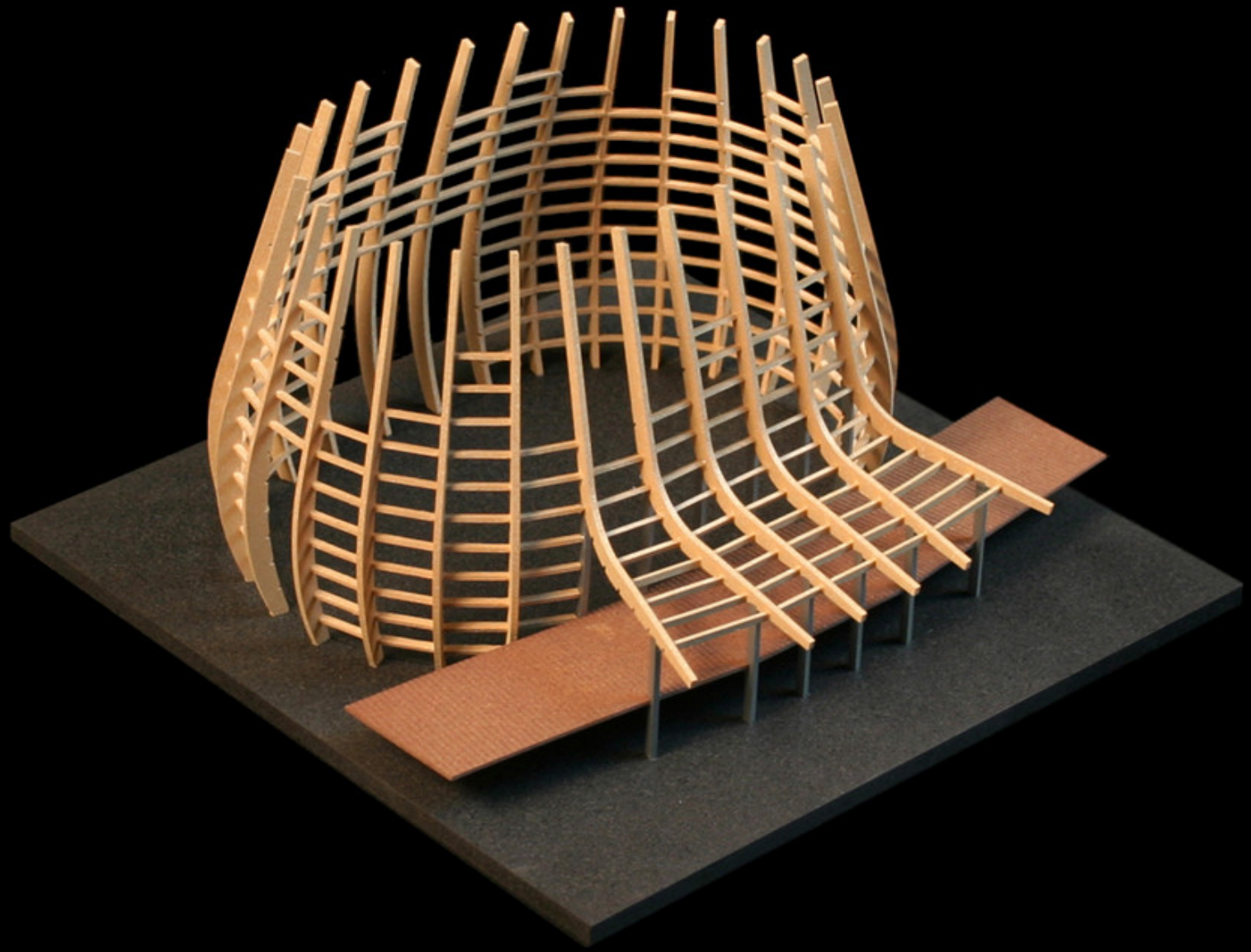


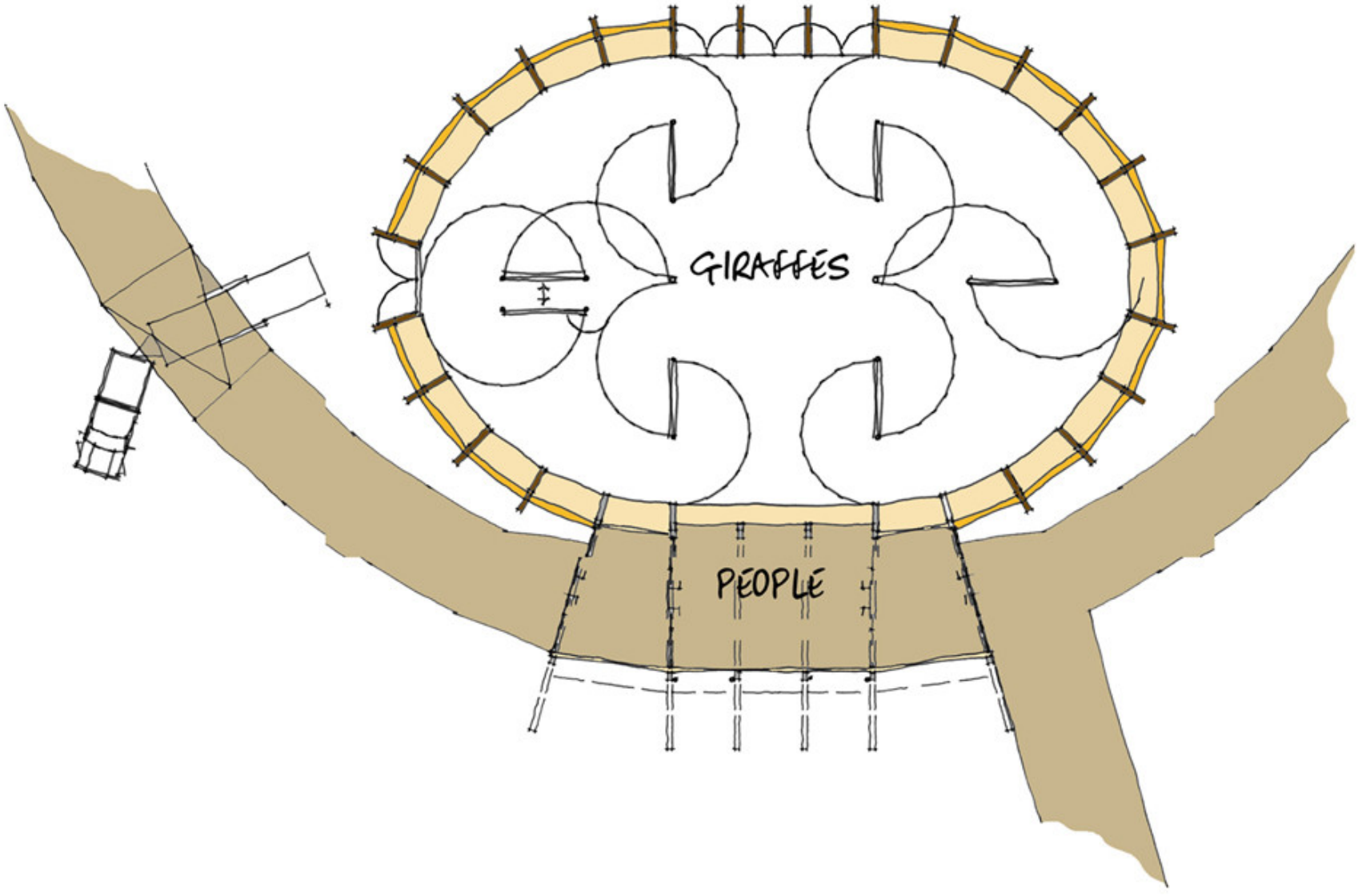

Entry
Asiatic Elephant viewing
Orang-utan tree nest
Orang-utan exhibition
New enclosure 1
Ground path
Roof-top Viewing
New enclosure 2
Orang-utan tree nest
Lesser Primates
Tree top walk ramp or bridge.
High rainforest to 20m.
Giant bamboo to 10m.
Low level plants.
Screening plants.
Habitat floor.
Habitat mesh.
Water feature.
KEY TO DRAWINGS
African Village
Entry
Nocturnal House
Orang-utan exhibit Plan
Iredale pedersen hook architects



SECTION GIRAFFEHOUSE ROTTERDAM ZOO

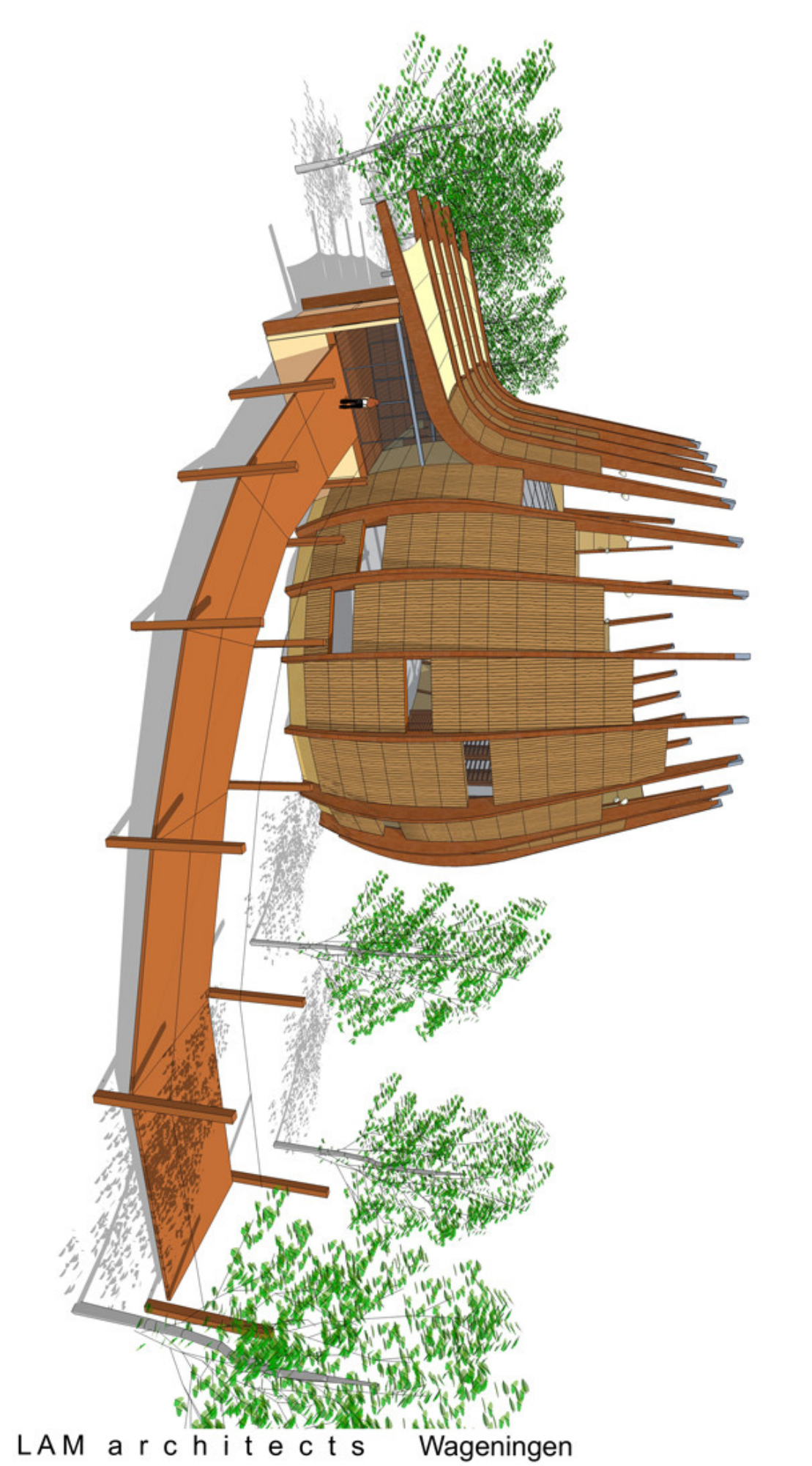
0 2 4 6 8 10M



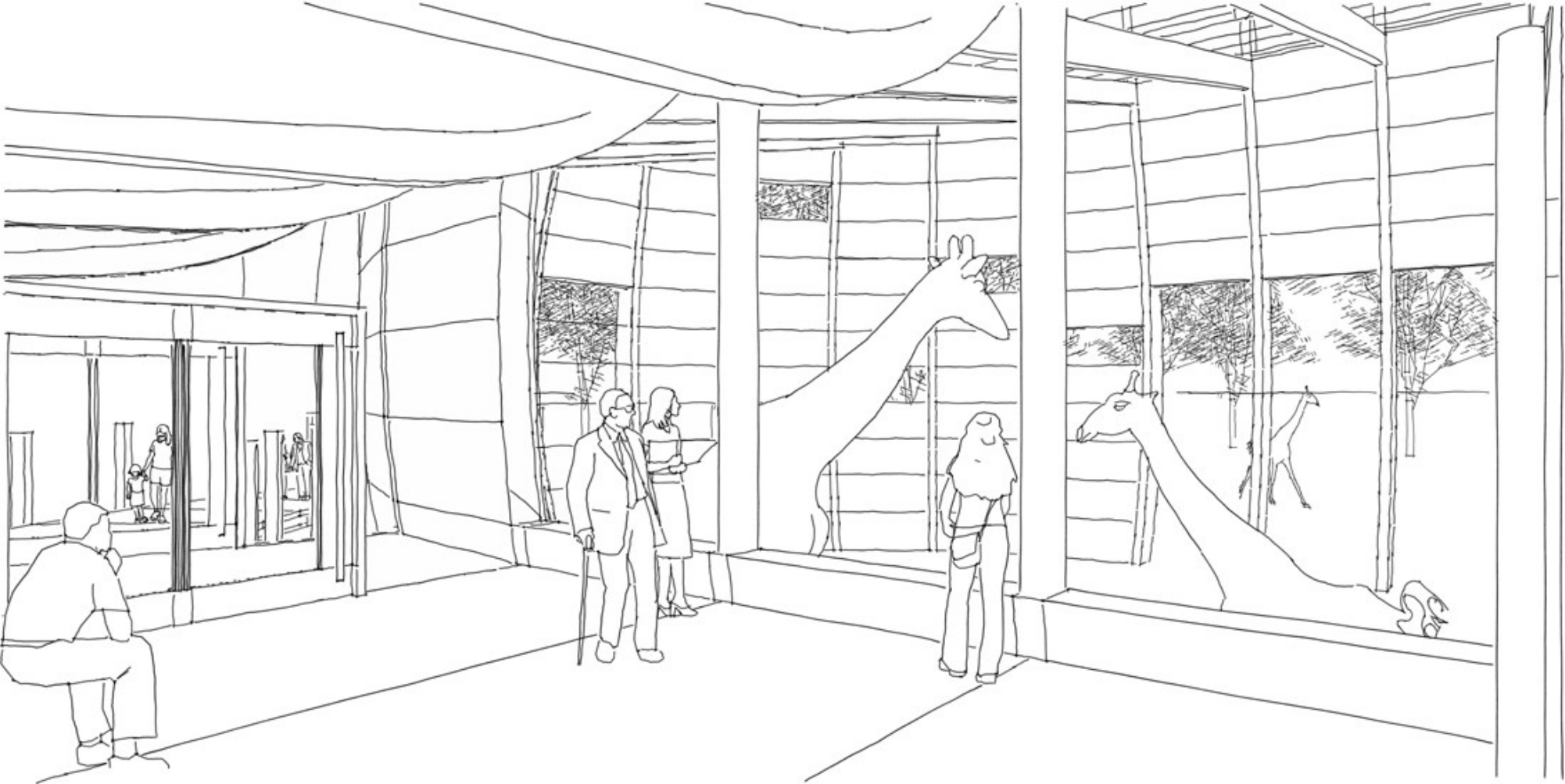


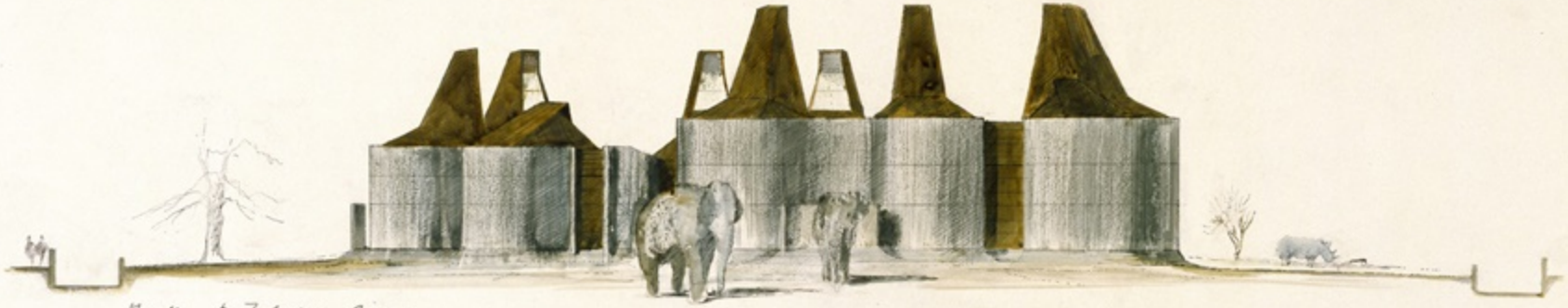
0 5 10 15 20 25 METER

FLOORPLAN GIRAFFEHOUSE

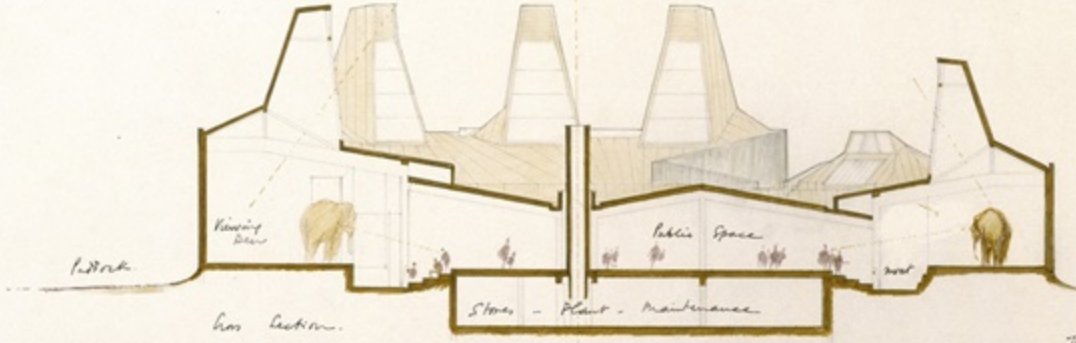


LAM architects Wageningen

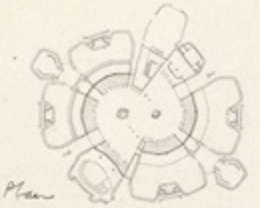




Elevation to Zoological Gardens.



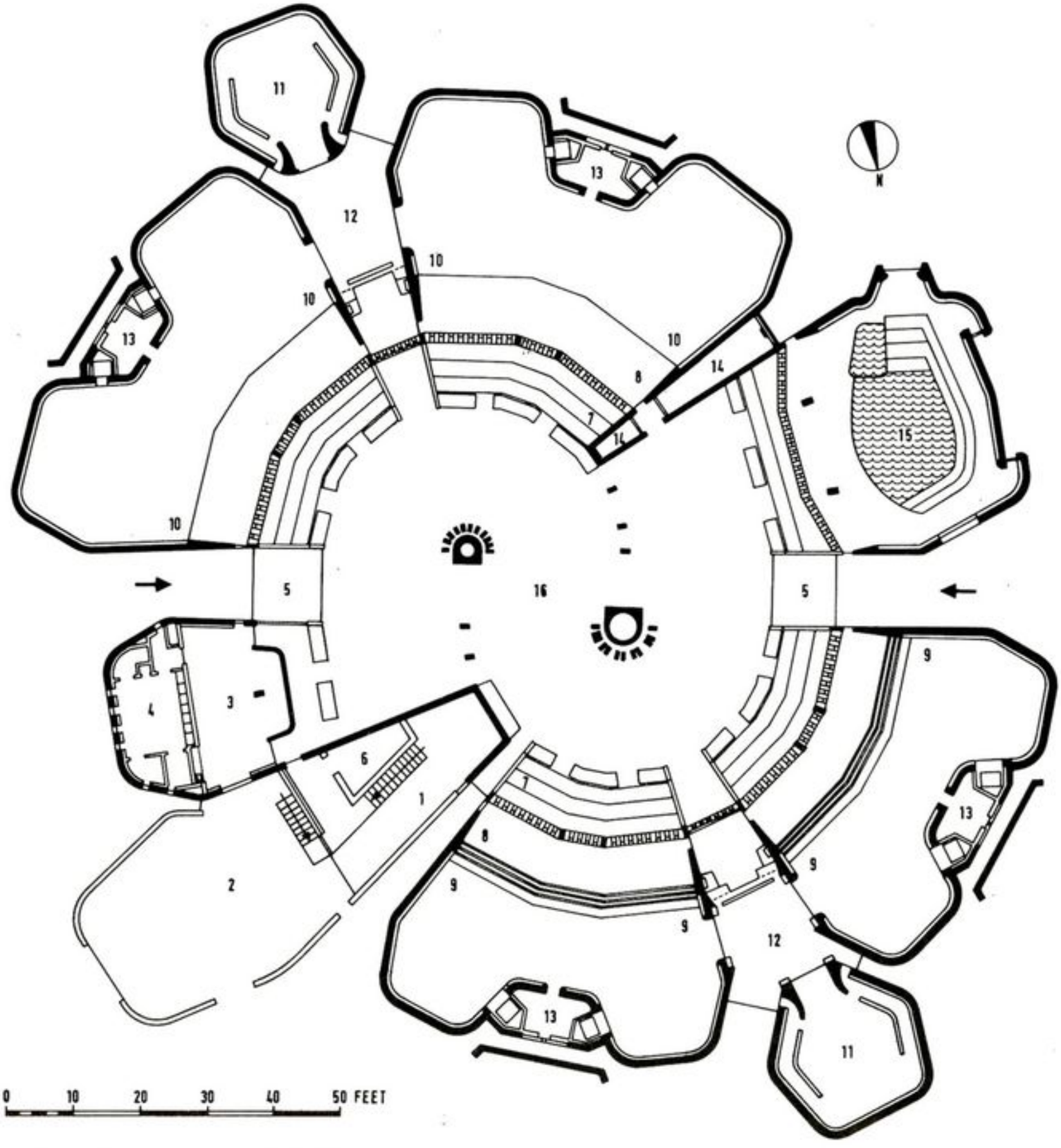
Cross Section.



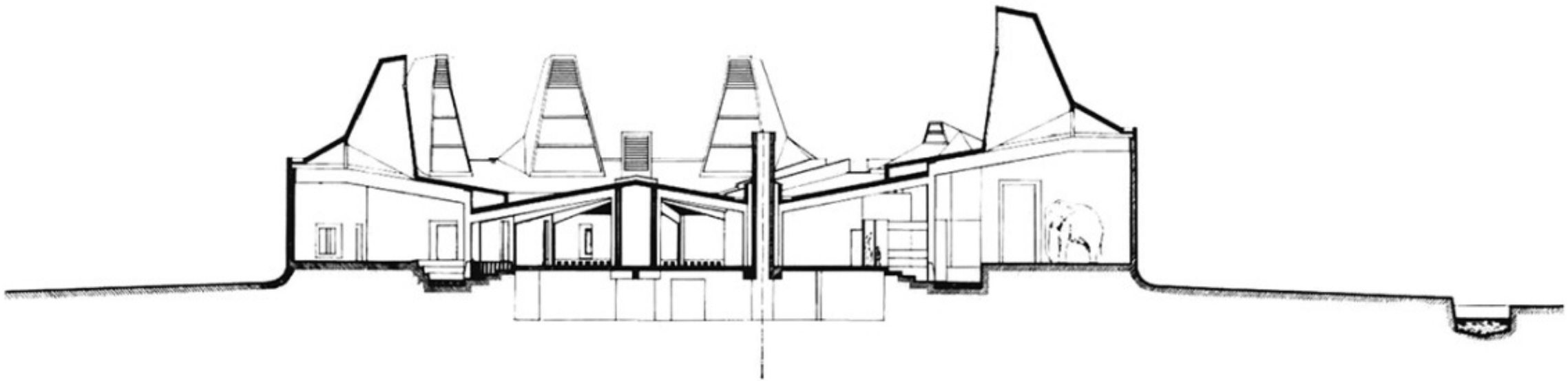
Plan

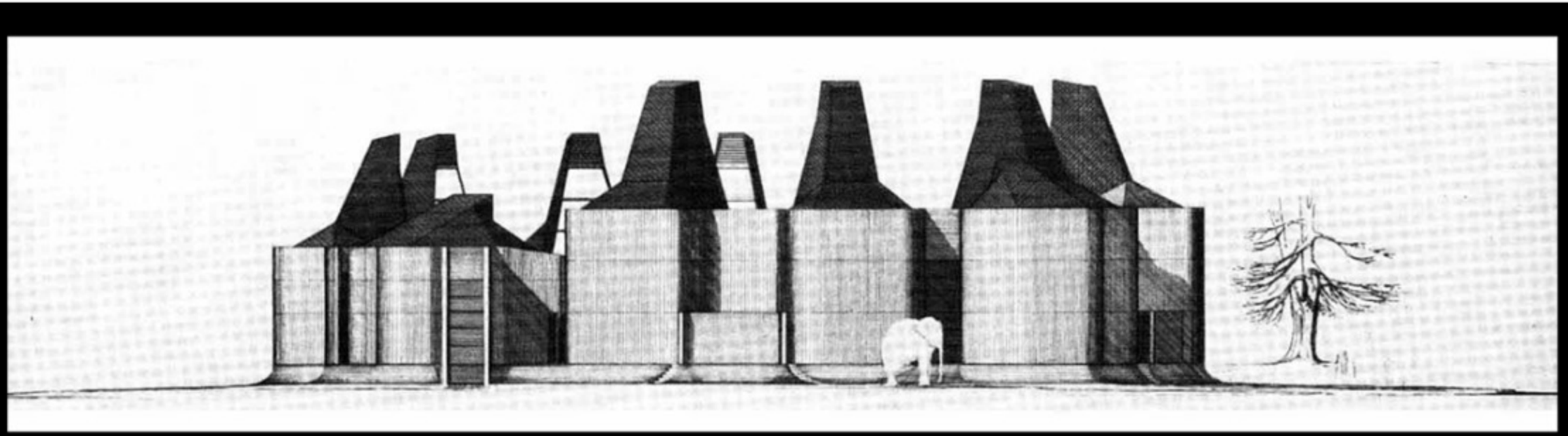
Scale 1/8" to 1 foot.

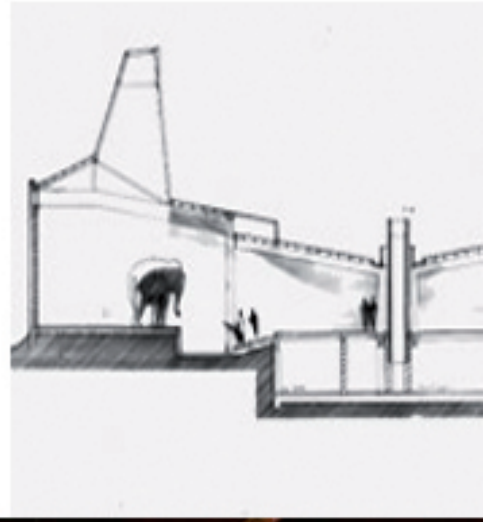
The Elephant & Rhinoceros Pavilion —
designed for the Zoological Society, Regents Park.
by Casson Conder & Partners. 1964 — 1965.
Drawn by Hayden Cannon Ref. —

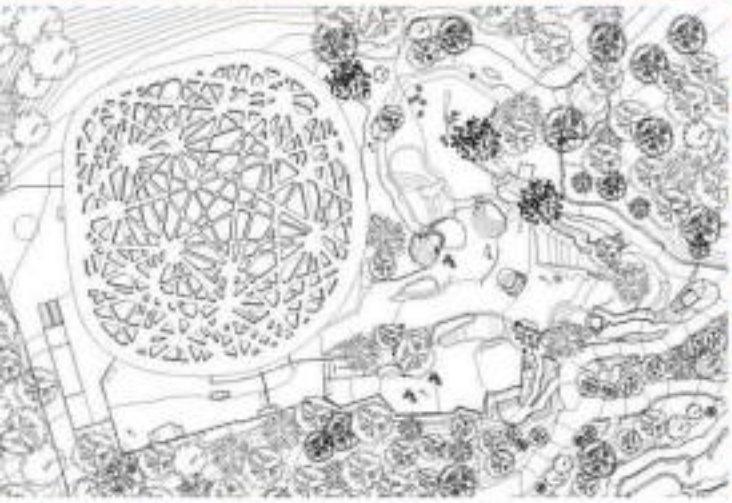


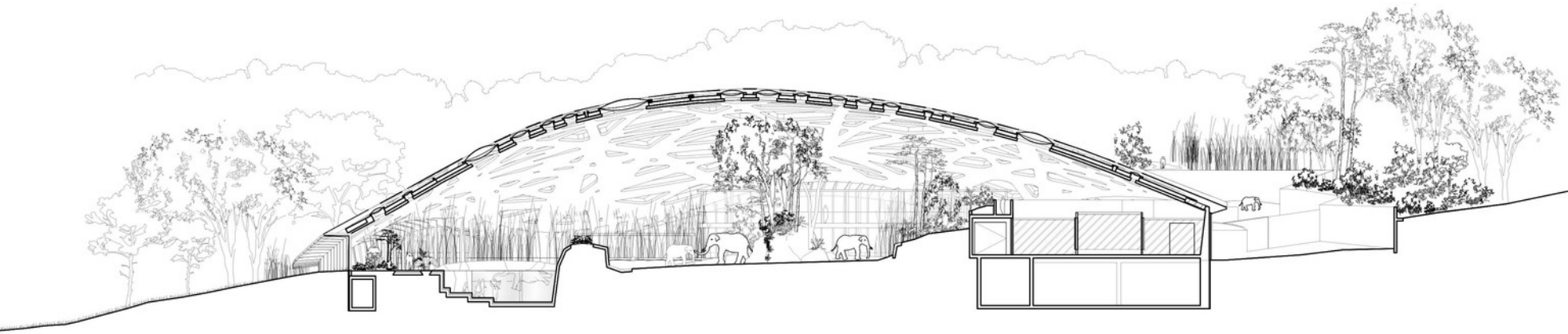
1 RAMP FROM SERVICE YARD
2 SERVICE YARD
3 MESS ROOM
4 STAFF LAVATORIES
5 PUBLIC ENTRANCE
6 STORE
7 OBSERVATION TIERS
8 ANIMAL DITCHES
9 RHINO DENS
10 ELEPHANT DENS
11 SICK BAYS
12 DEN LOBBIES
13 DRINKING TROUGH AREAS
14 MAIN RISING DUCTS
15 ELEPHANT POOL
16 PUBLIC SPACE

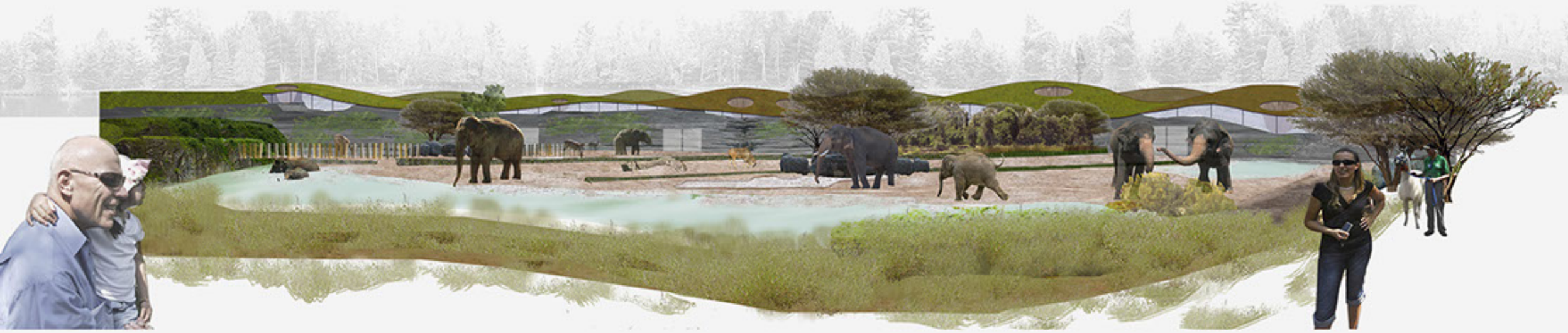


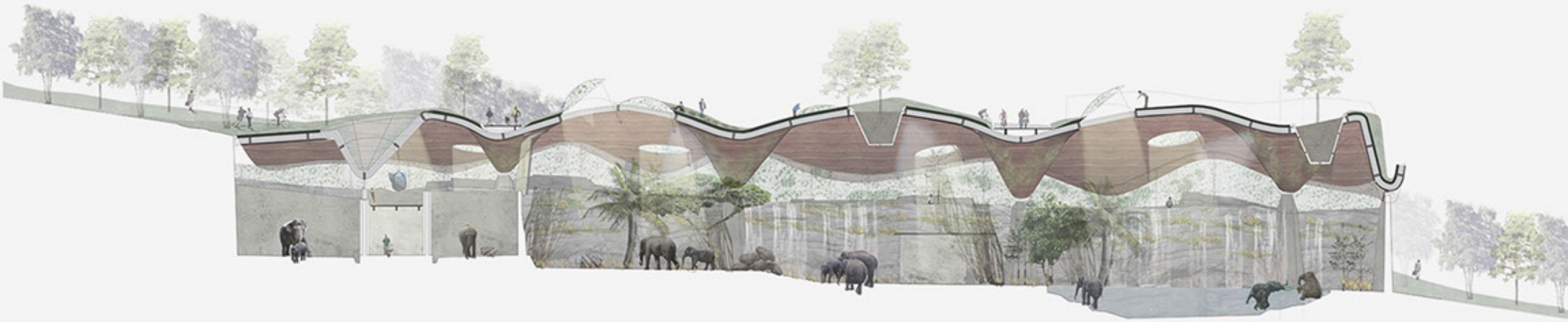


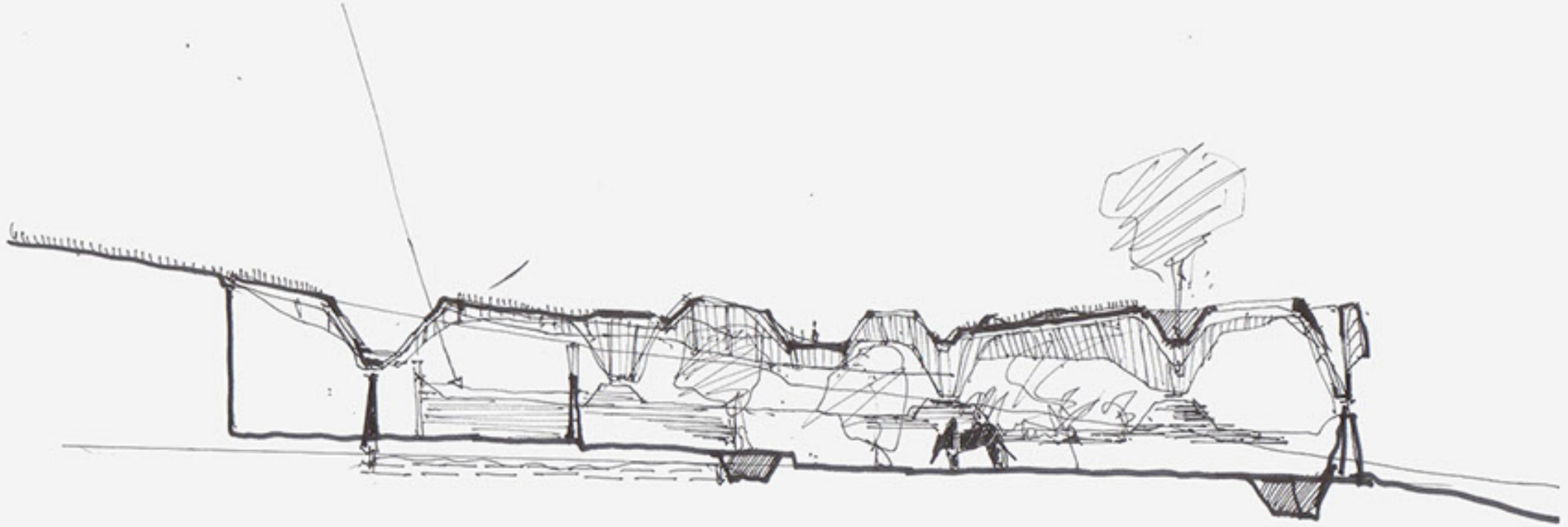


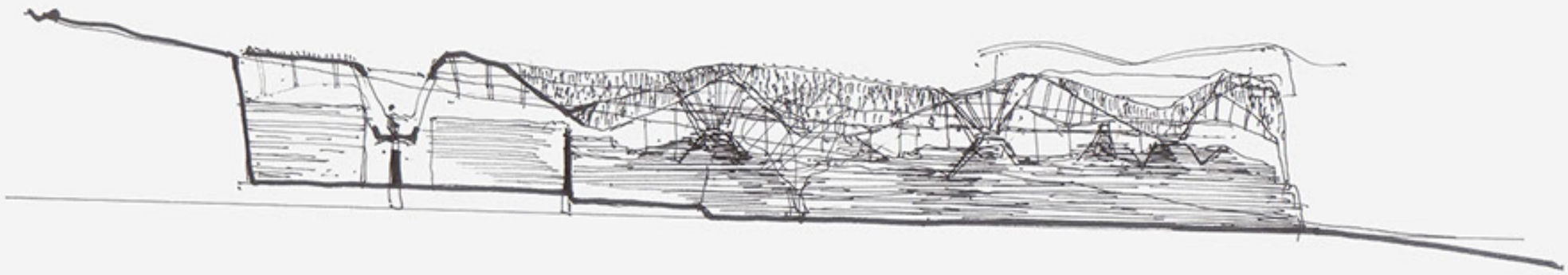




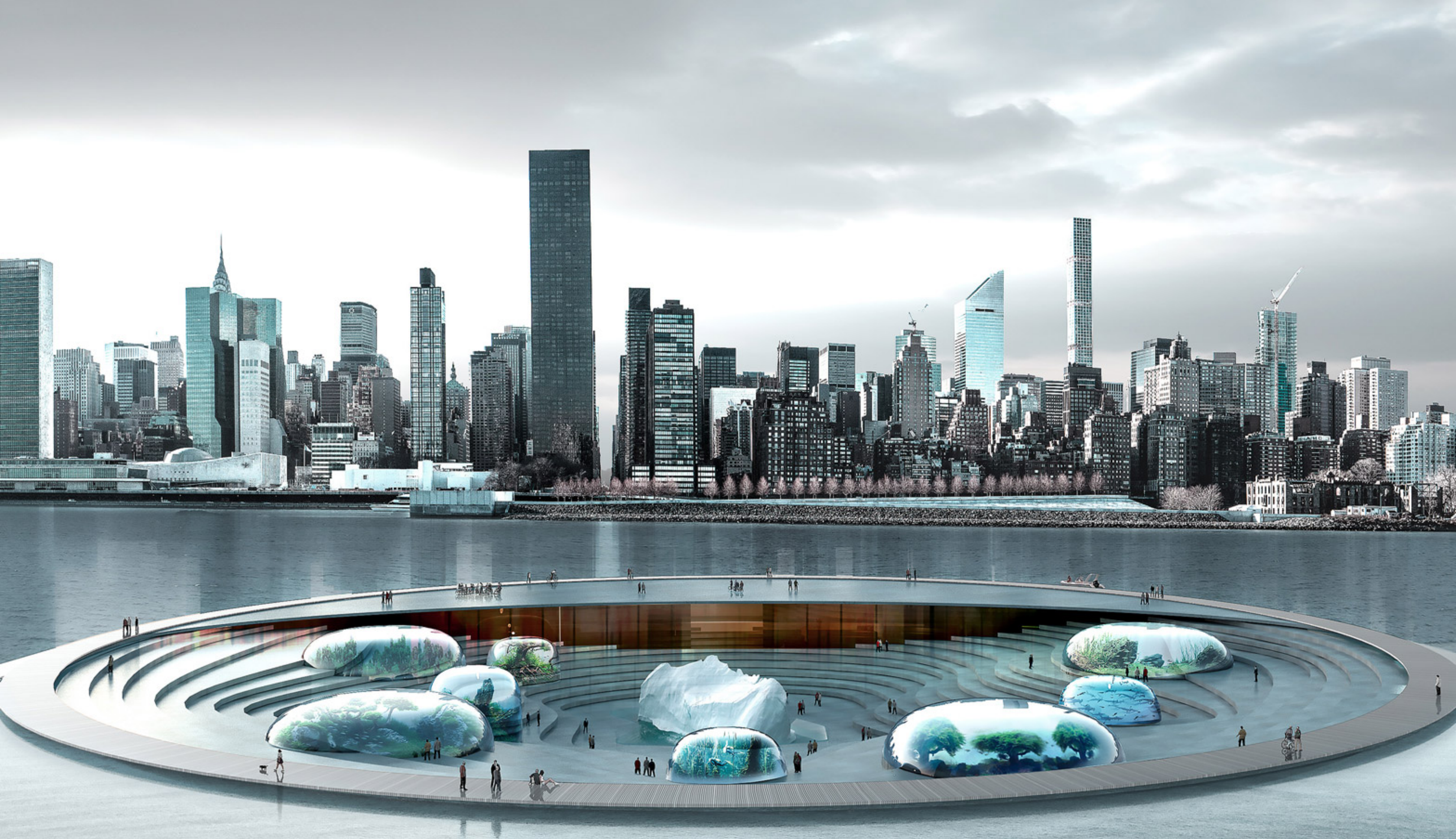




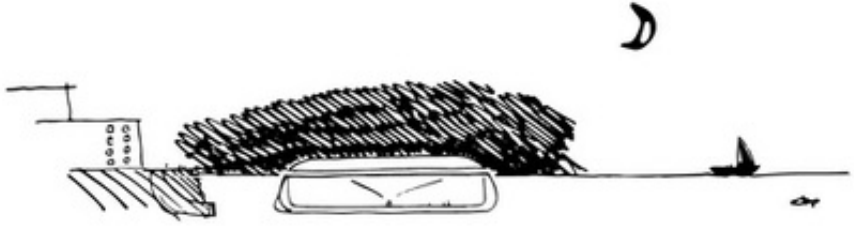




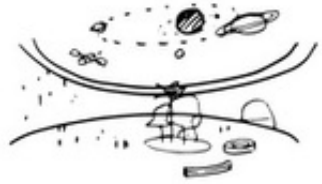
Ripley's AQUARIUM OF CANADA



NIGHT TIME THE SHELL IS CLOSED

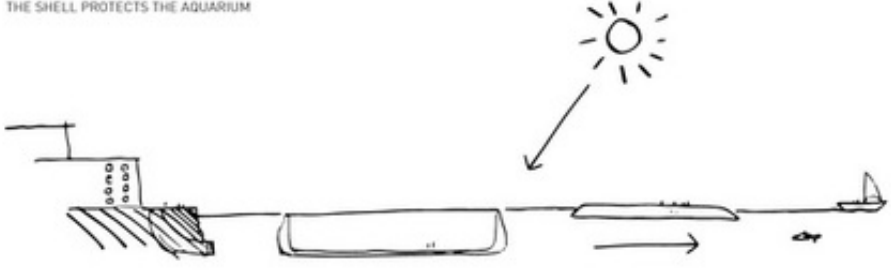


THE SHELL PROTECTS THE AQUARIUM



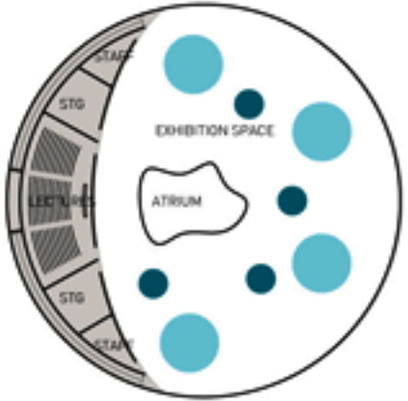
THE ATRIUM BECOMES A PLANETARIUM

DAY TIME THE SHELL IS OPEN

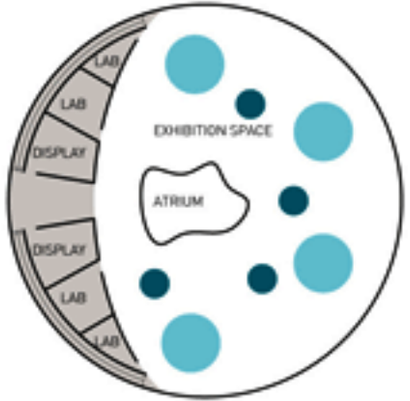


THE SHELL REVEALS THE AQUARIUM AND BECOMES AN ISLAND

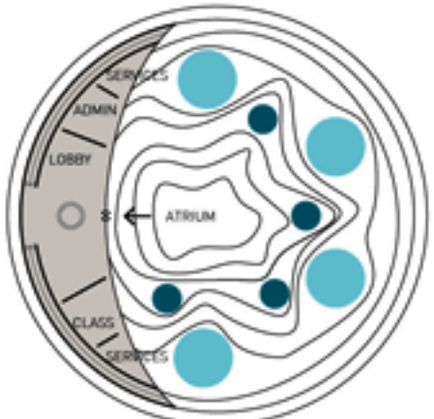
THE ATRIUM BECOMES A COURTYARD OPEN TO THE SKY



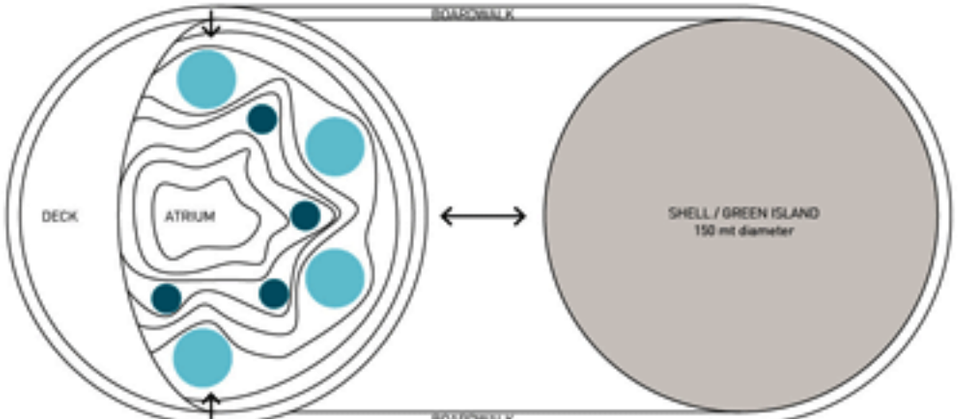
LEVEL -2 / WATER



LEVEL -1 / ENVIRONMENT

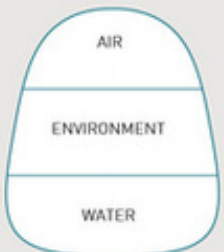


LEVEL 0 / AIR

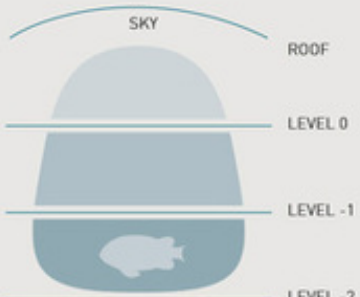


ROOF LEVEL / SKY

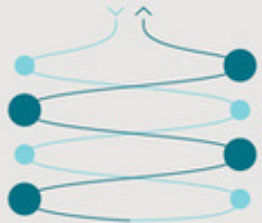
0 meters 75



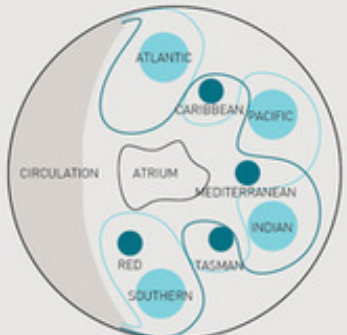
THE 3 ELEMENTS OVERLAPPED IN THE BIOME DOME



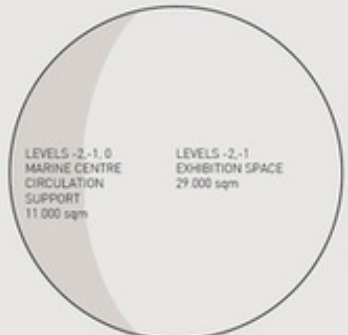
THE BIOME DOME ACROSS THE LEVELS



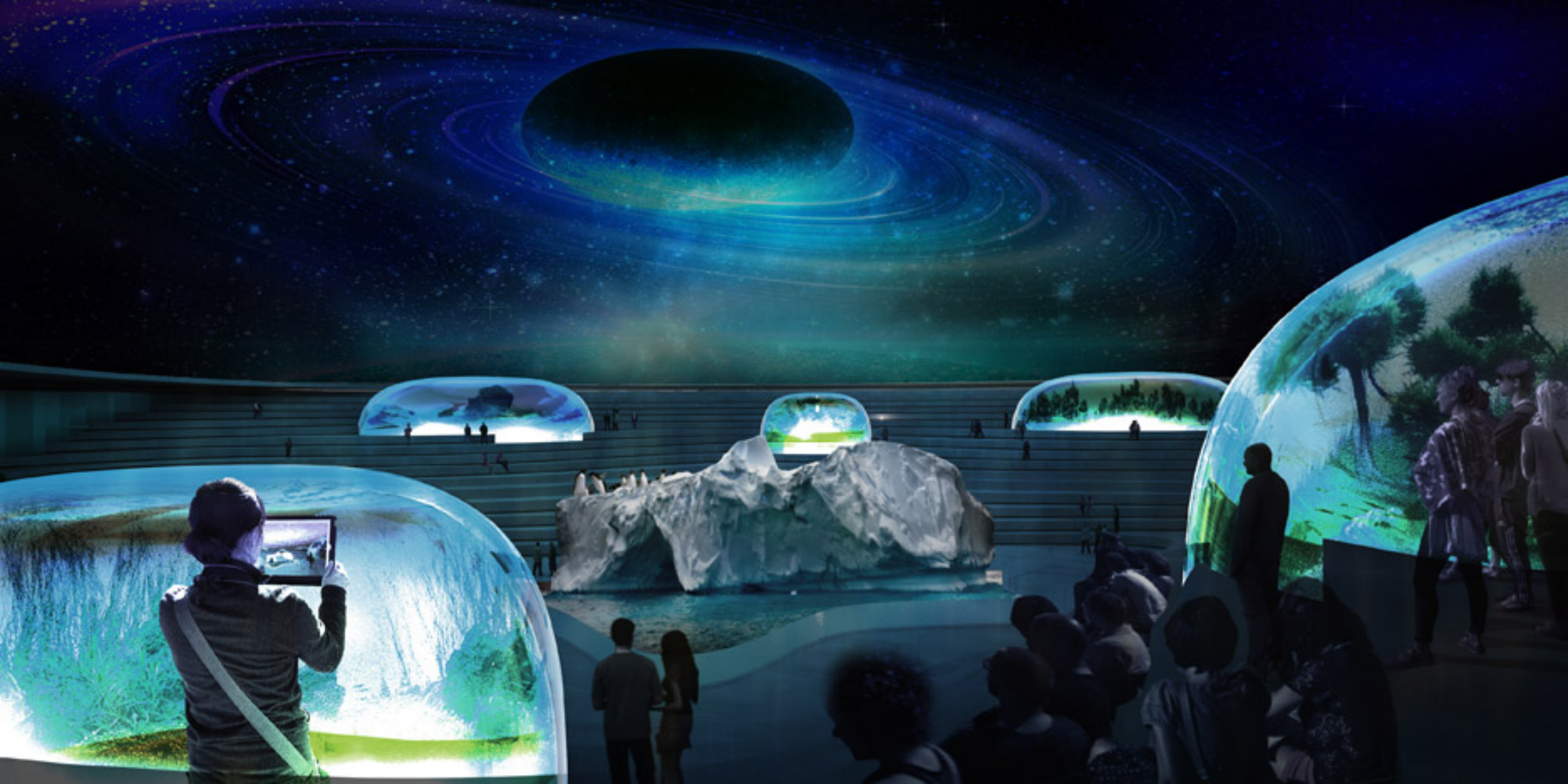
THE EXHIBITION SCHEME

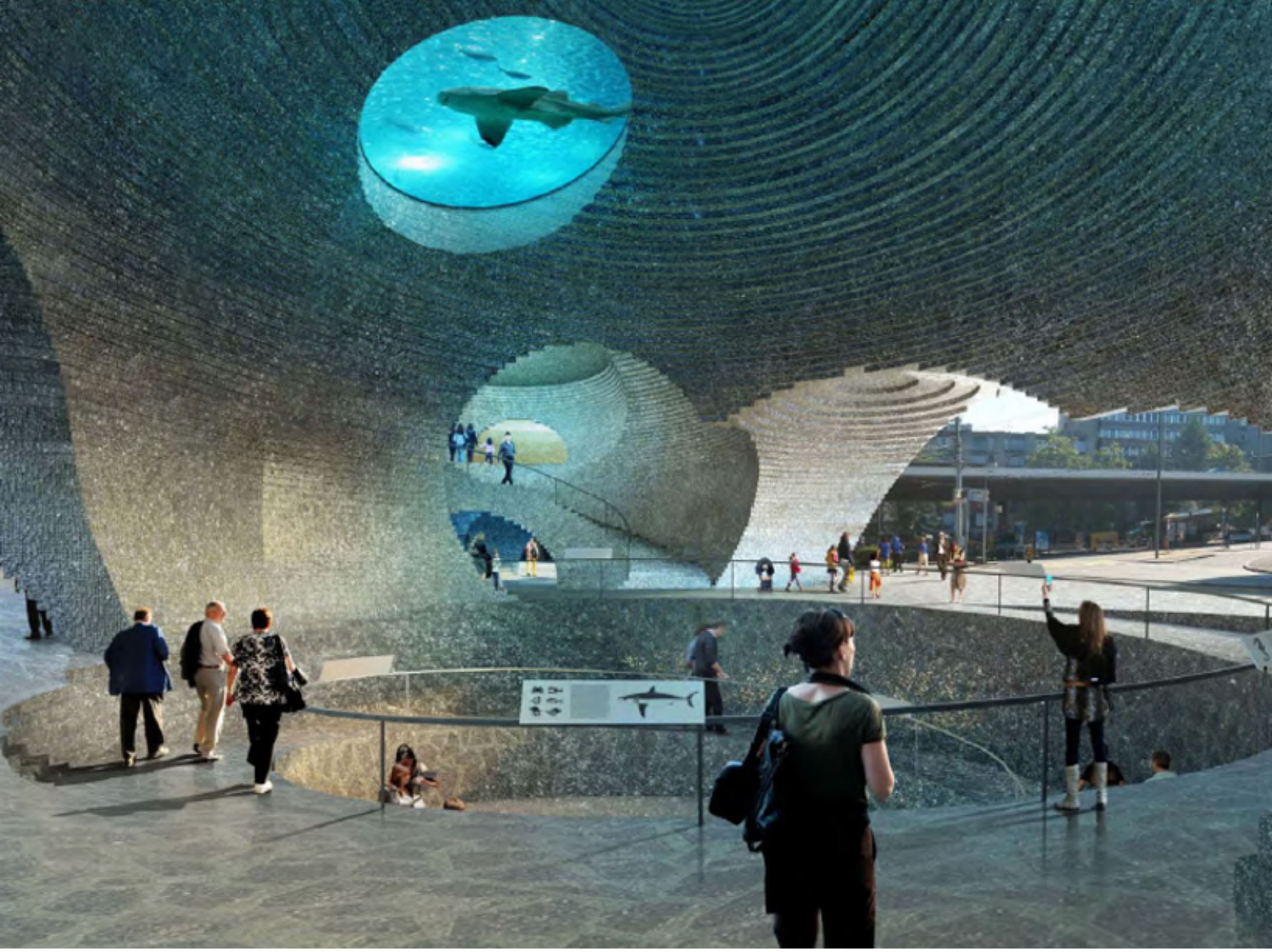


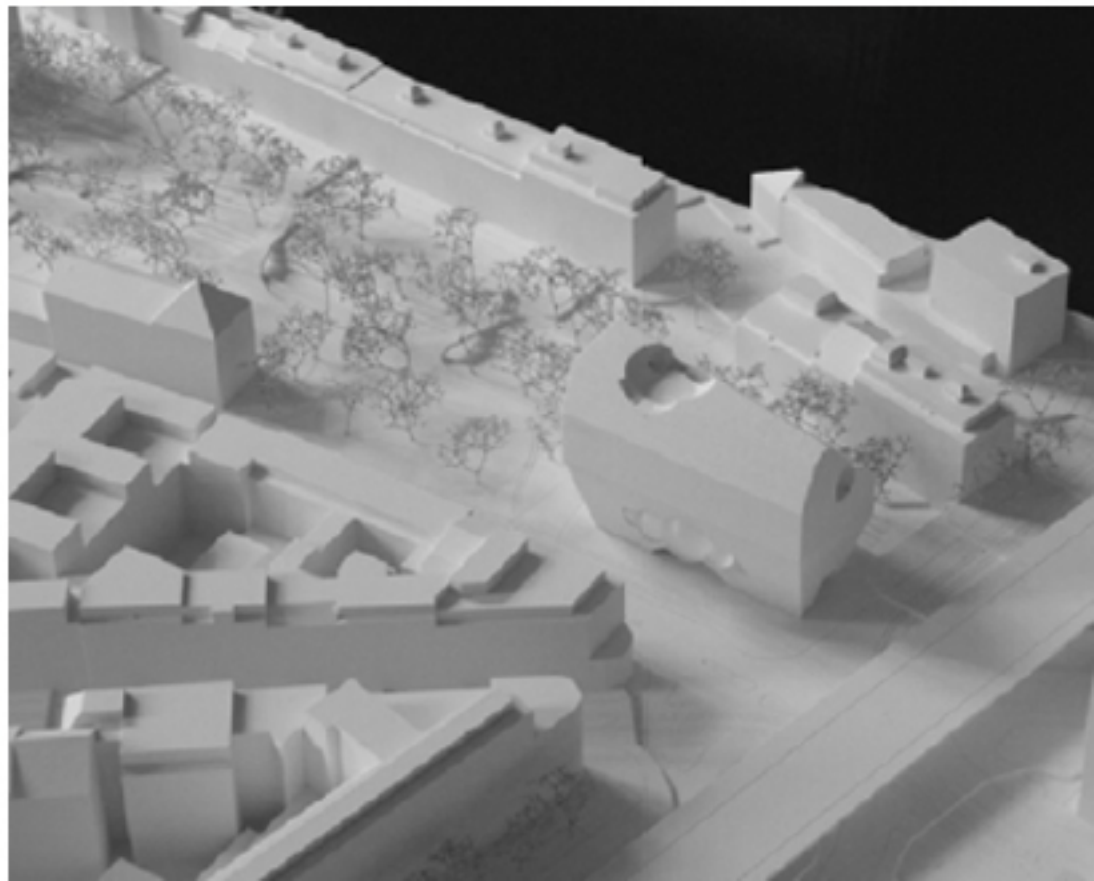
CIRCULATION SCHEME

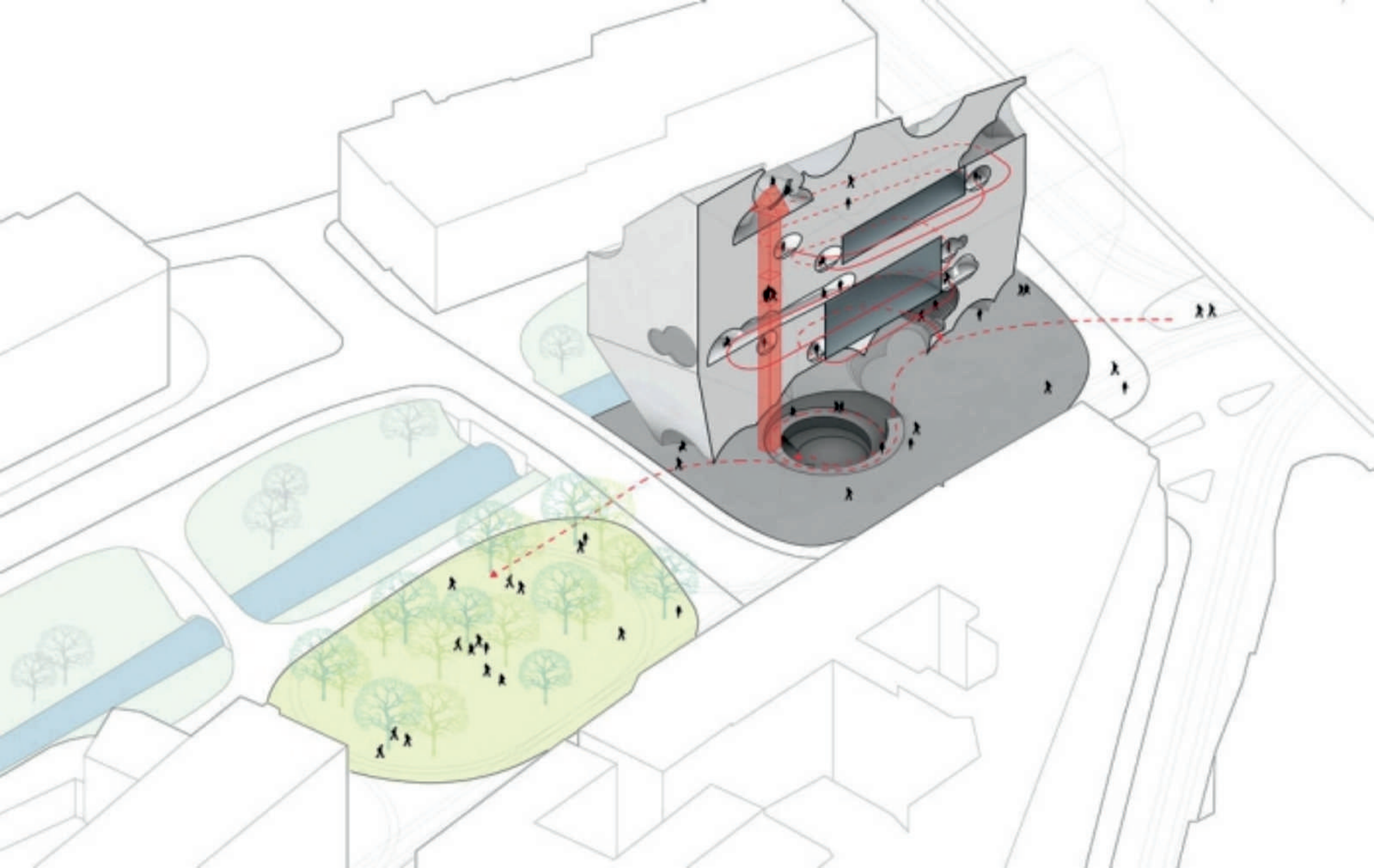


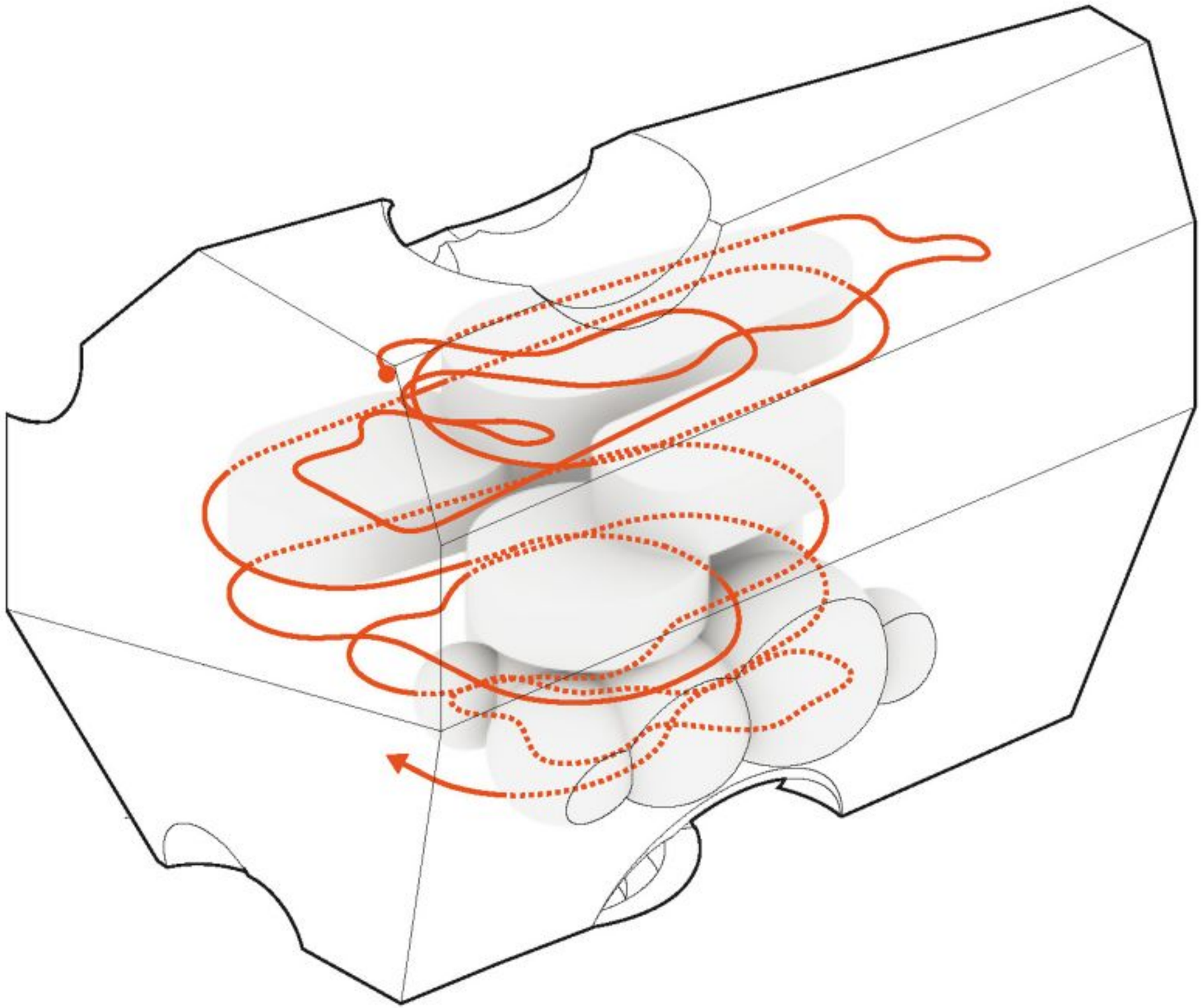
PROJECT AREA = 40.000 sqm

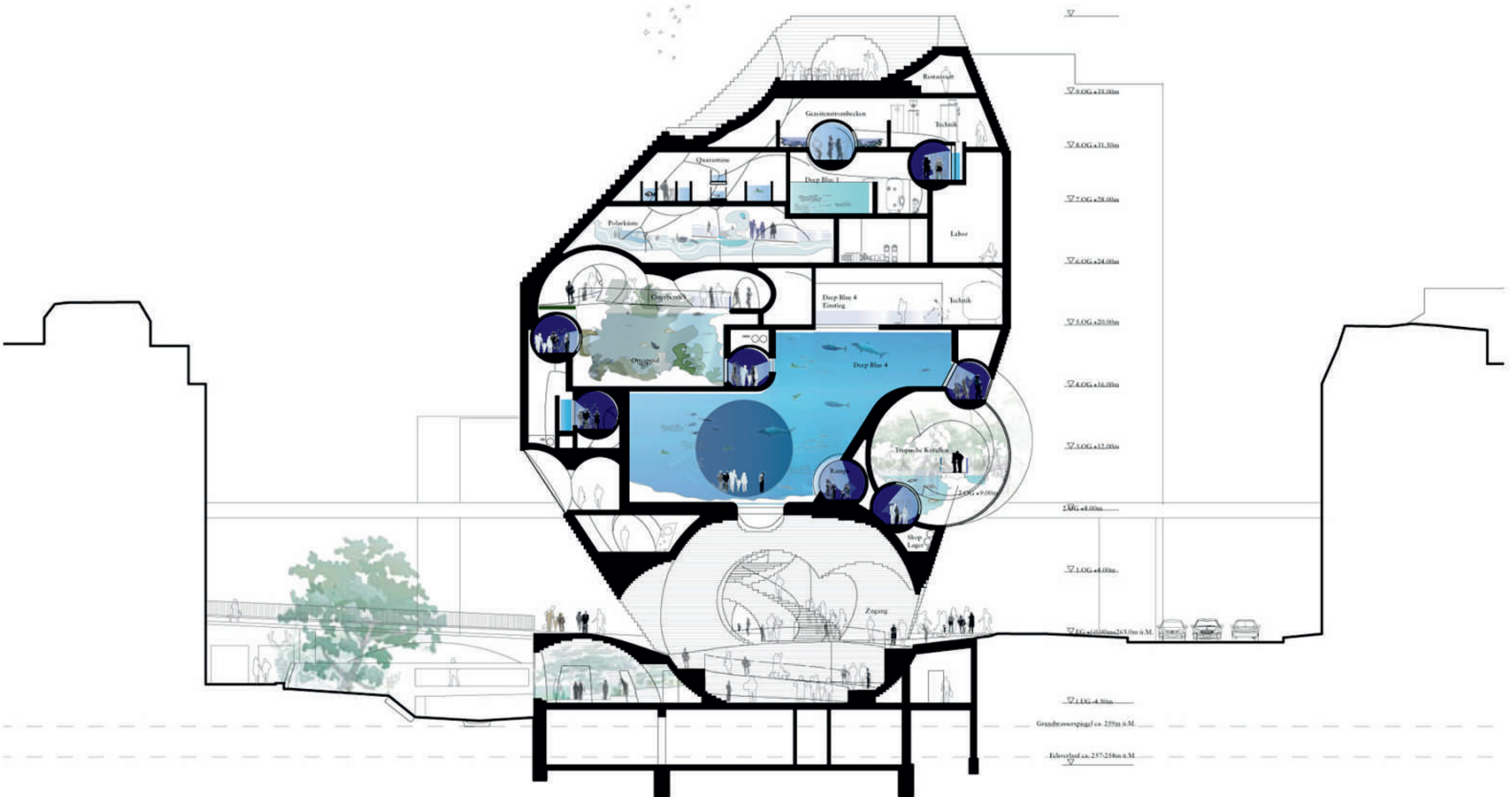


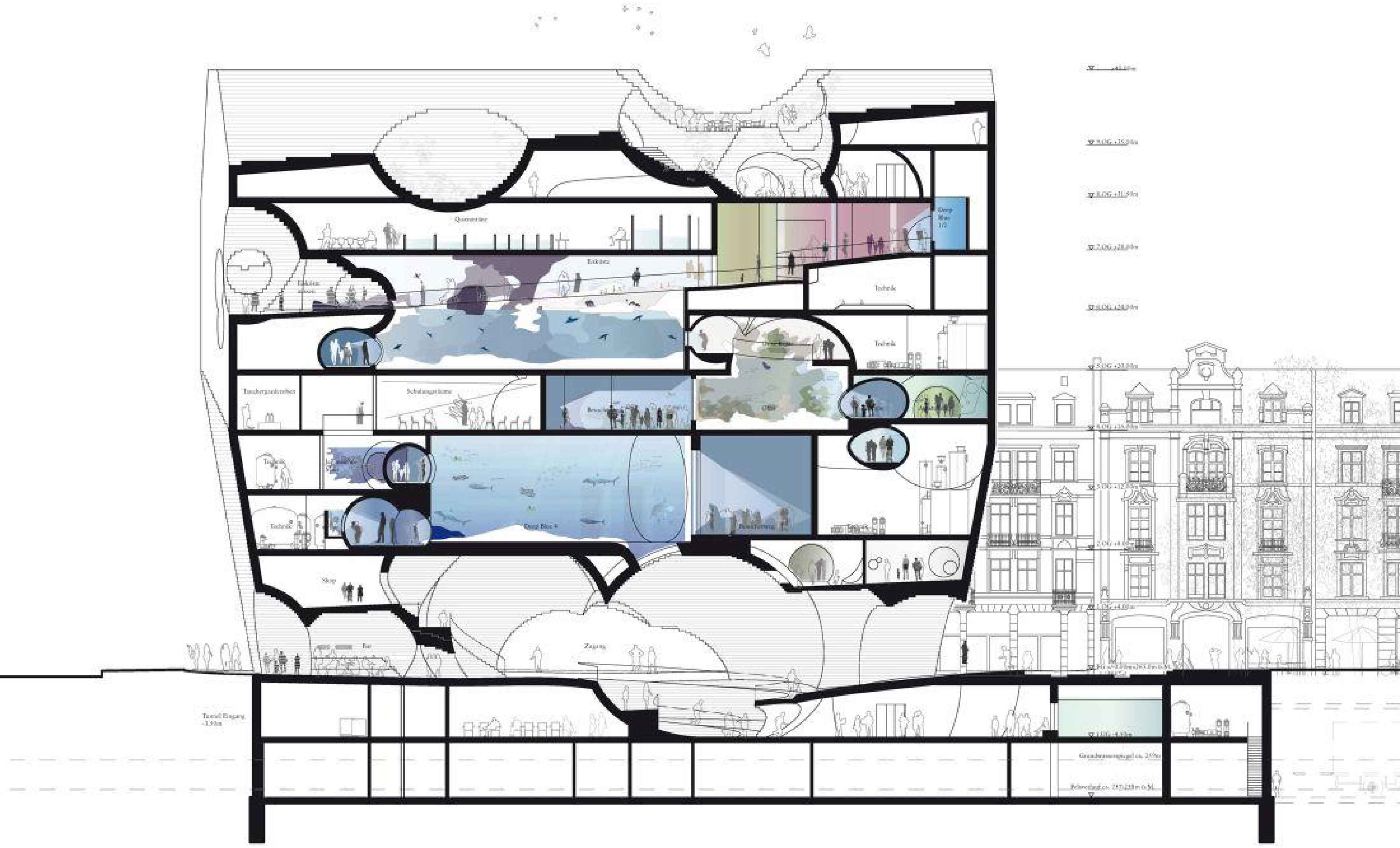


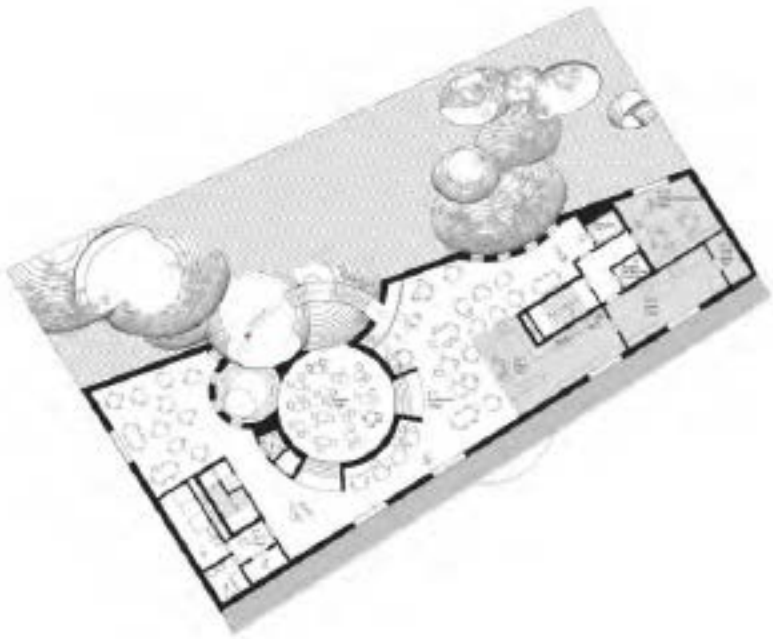


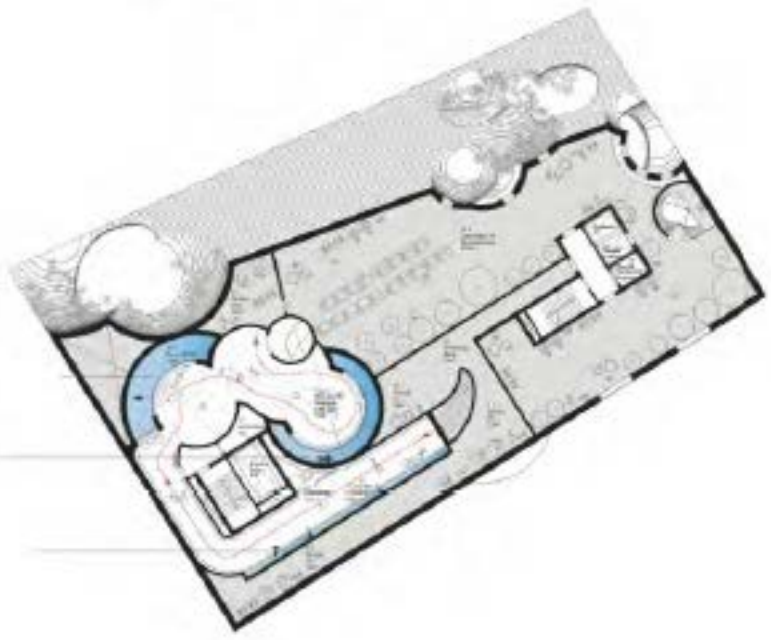


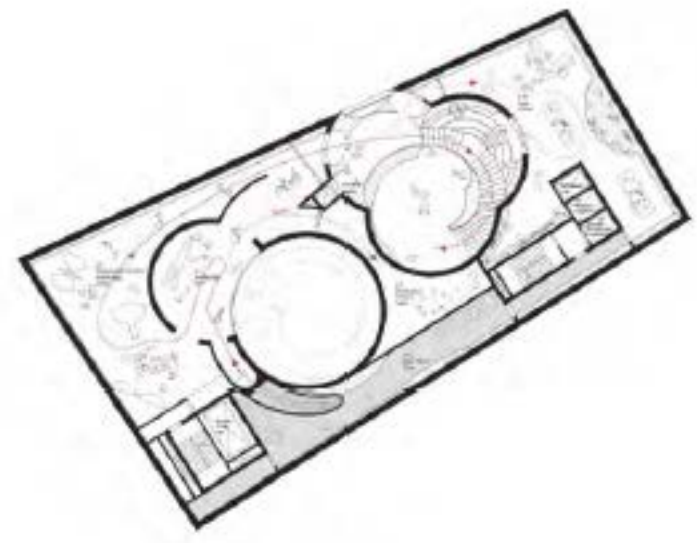


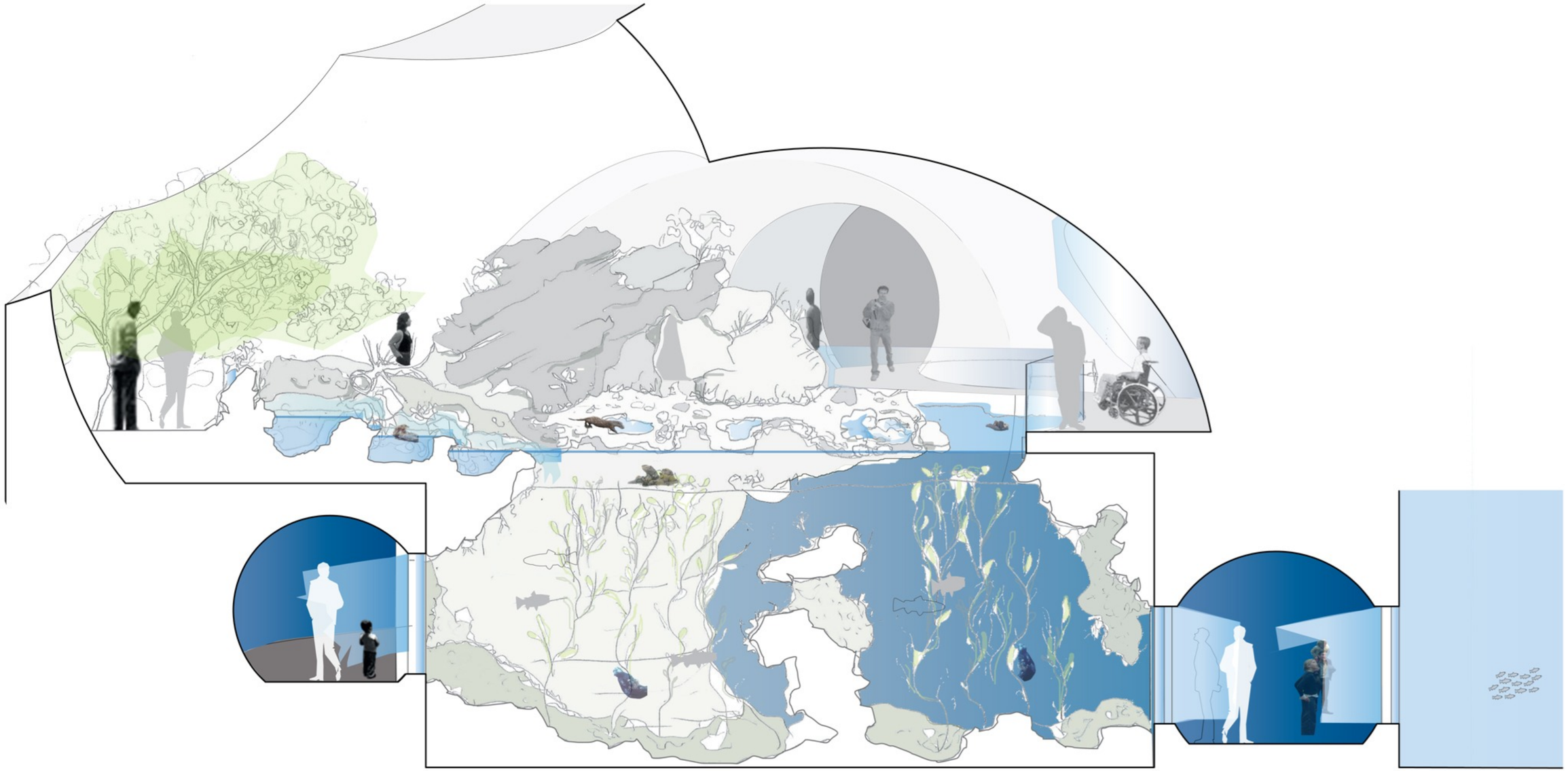

Restaurant
Technik
Quarantäne
Deep Blue 3
Polarkino
Labor
Deep Blue 4
Eingang
Technik
Deep Blue 4
Tropische Korallen
Shop
Lager
Zugang
9.OG +31.00m
8.OG +31.50m
7.OG +28.00m
6.OG +24.00m
5.OG +20.00m
4.OG +16.00m
3.OG +12.00m
2.OG +9.00m
1.OG +8.00m
EG +4.00m
1.UG -4.50m
Grundwasserspiegel ca. 259m ü.M.
Talsohle ca. 257-258m ü.M.

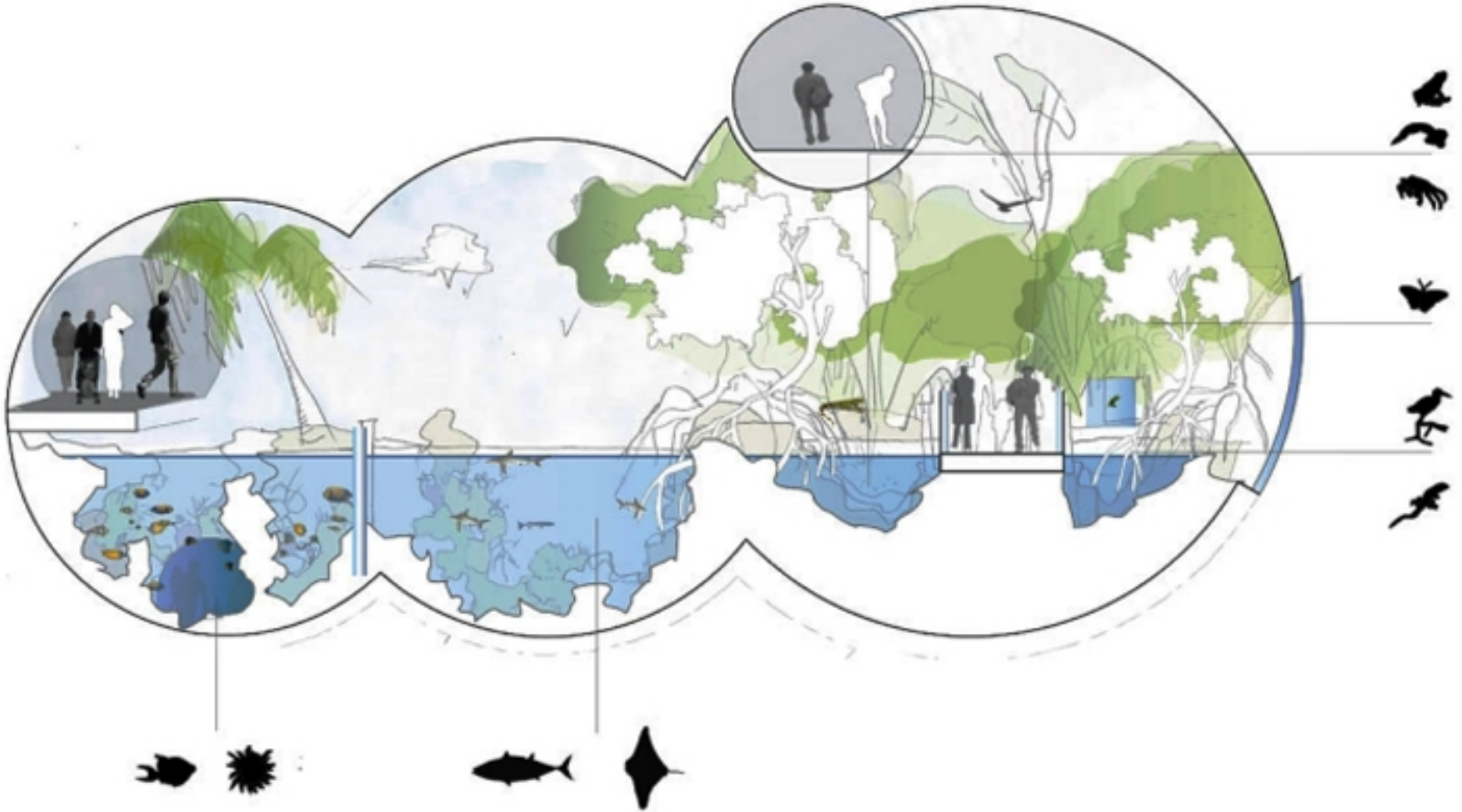

Technik
Technik
Shop
Bar
Zugang

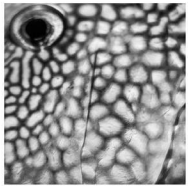






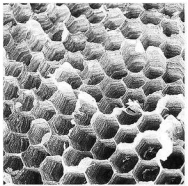




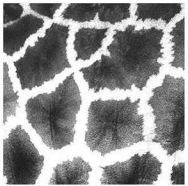


Tropical Fish

Corals

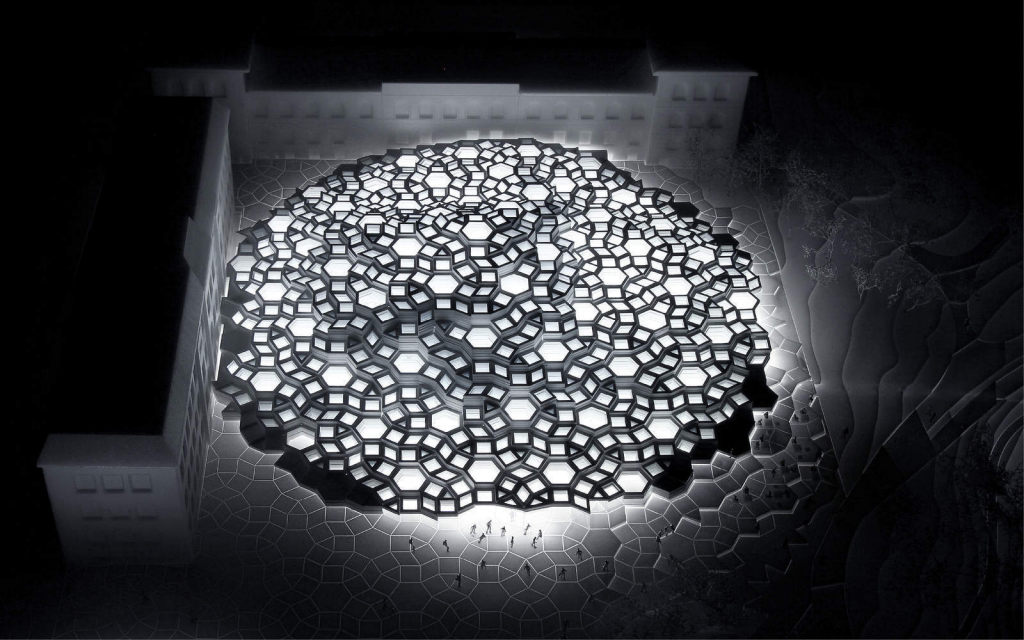


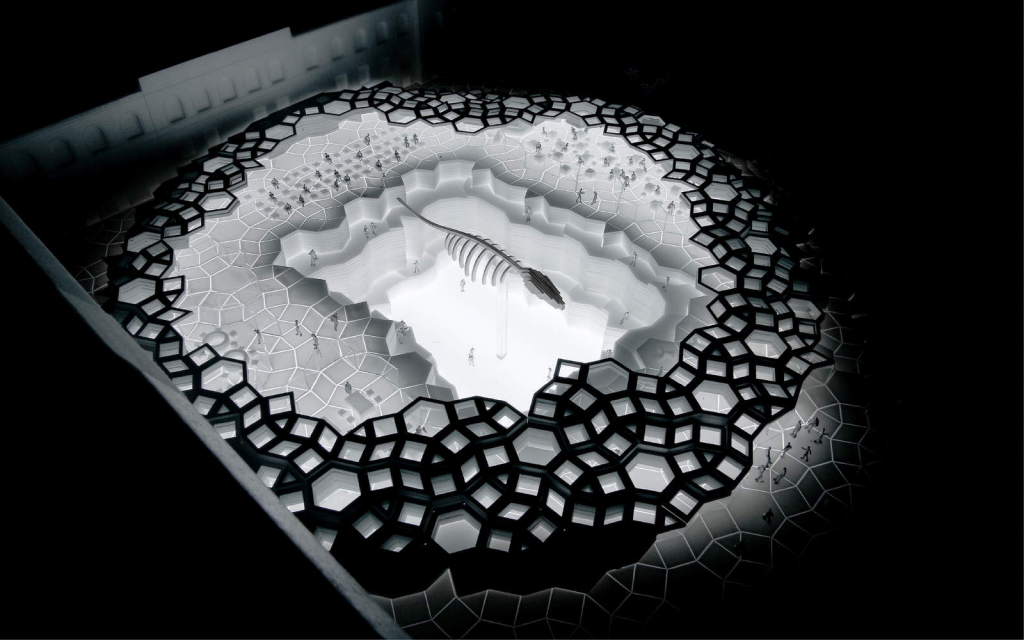
Beehive

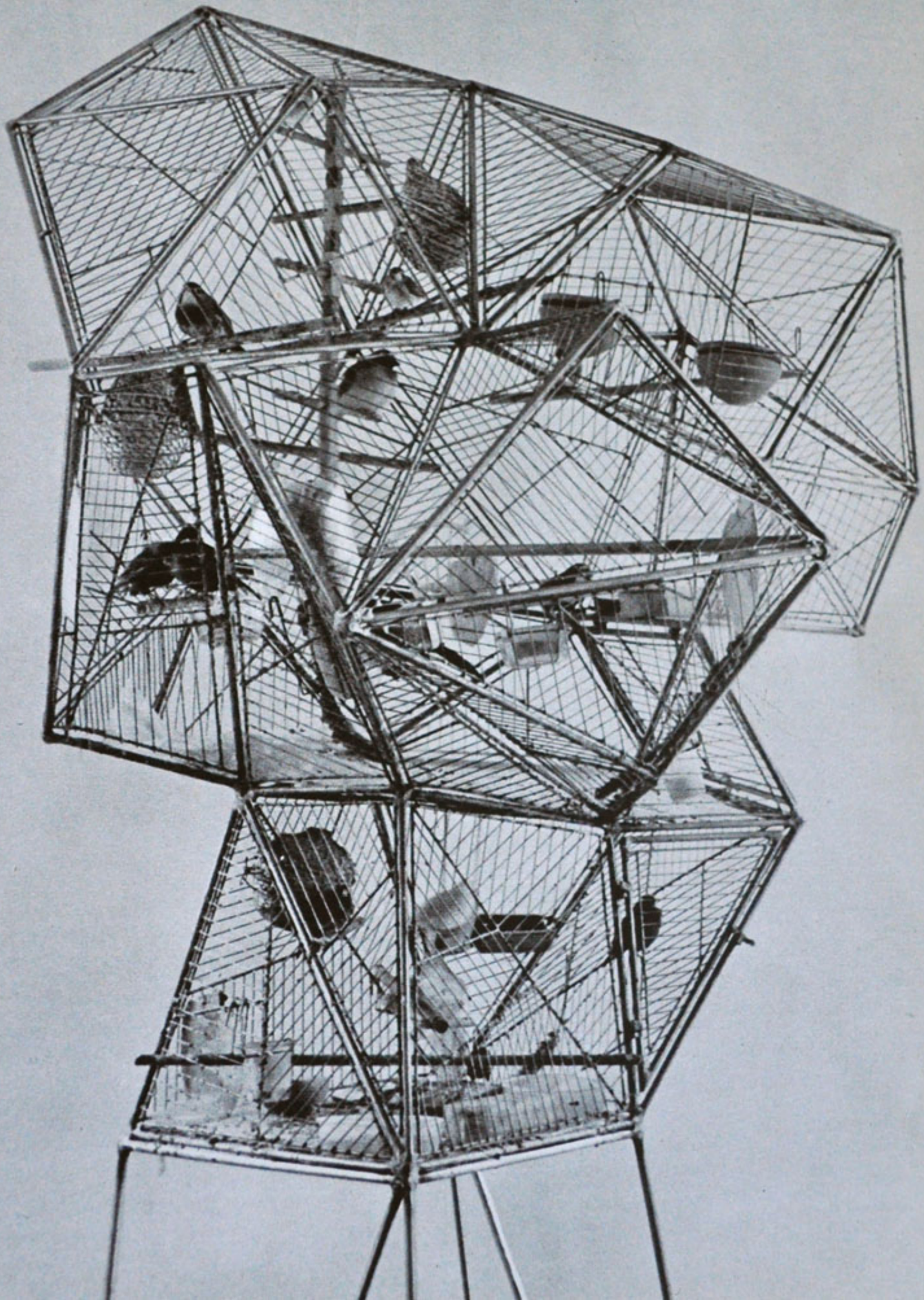


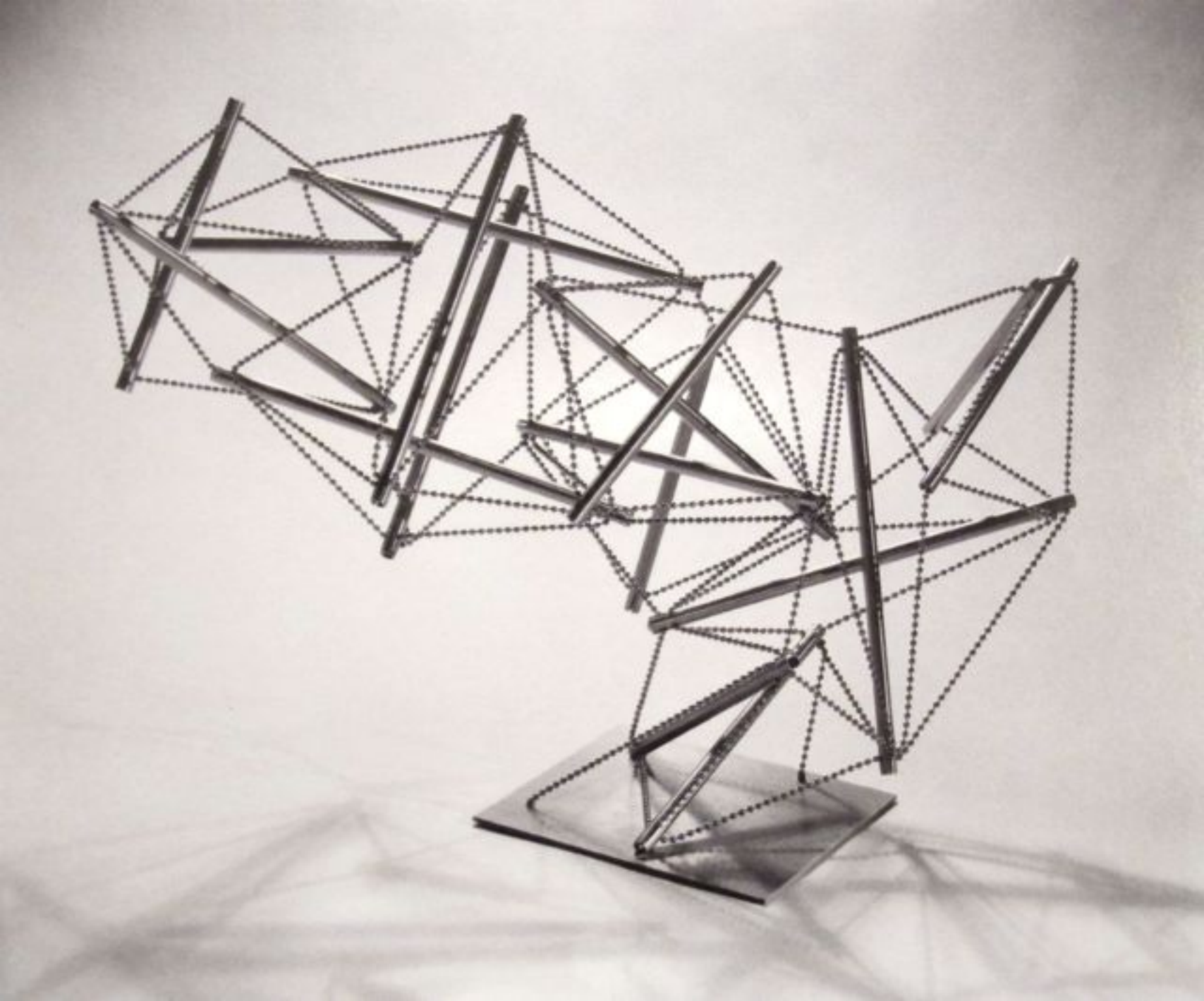
Giraffe

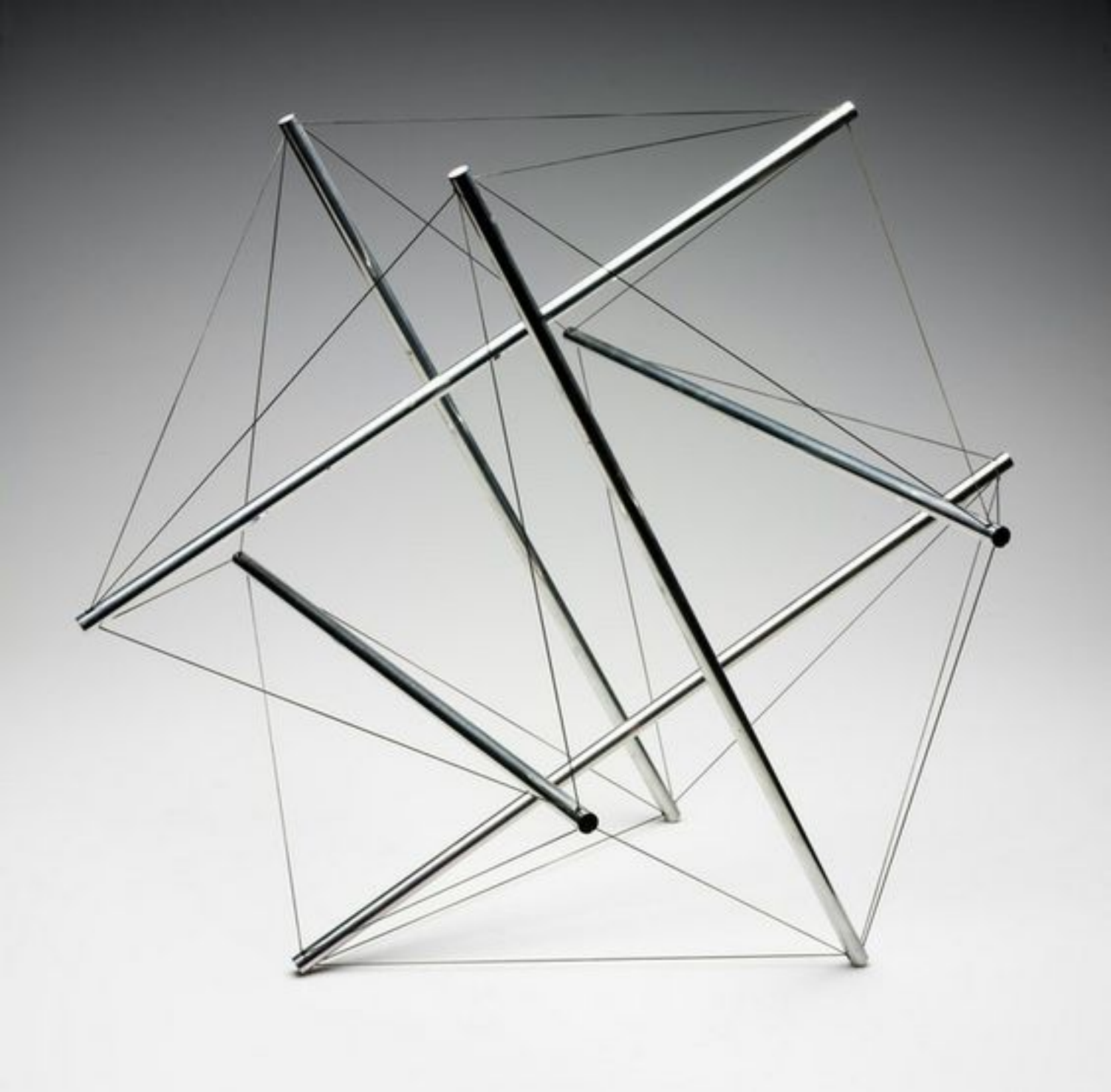
ZOOLOGICAL GEOMETRIES

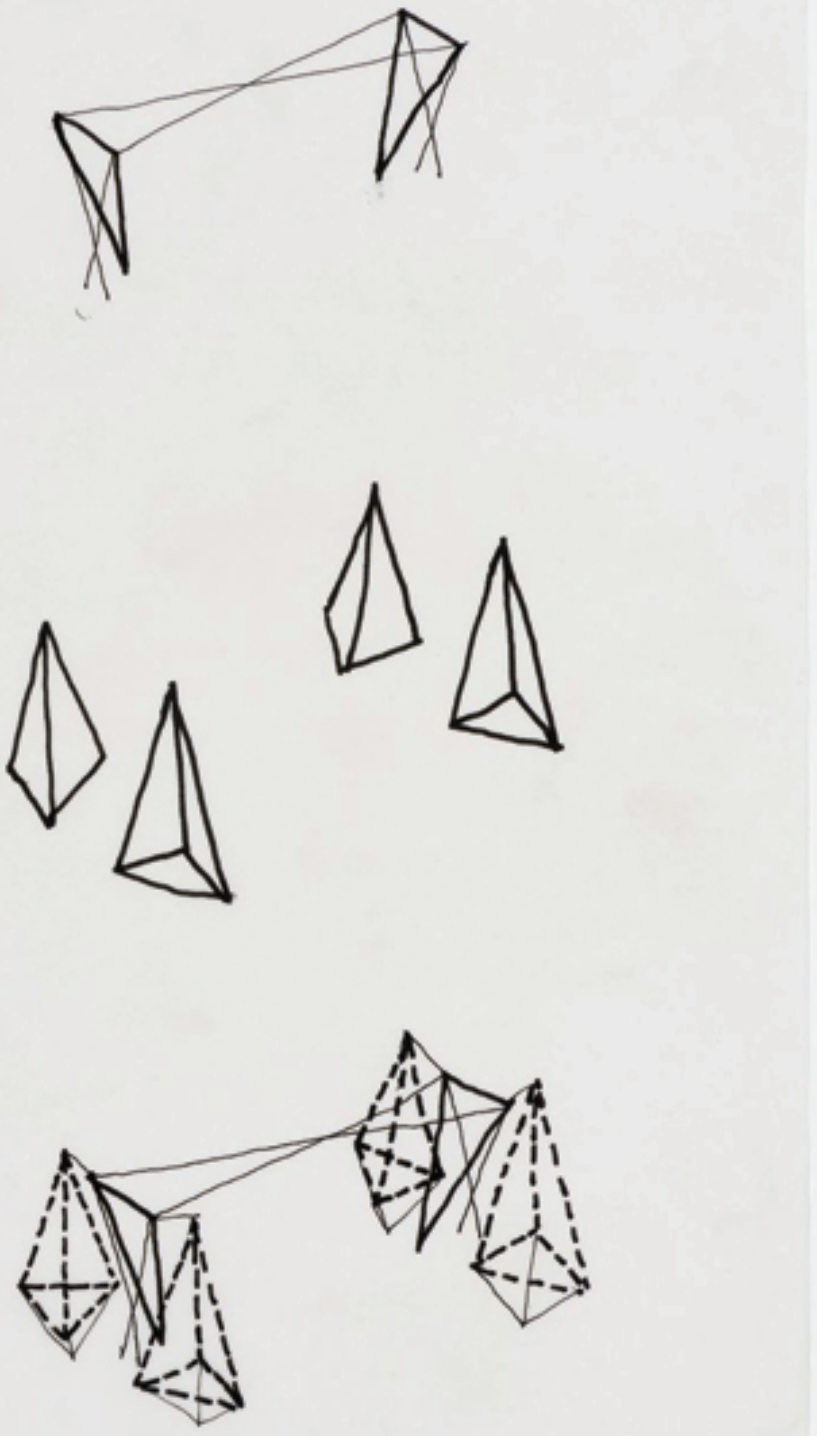


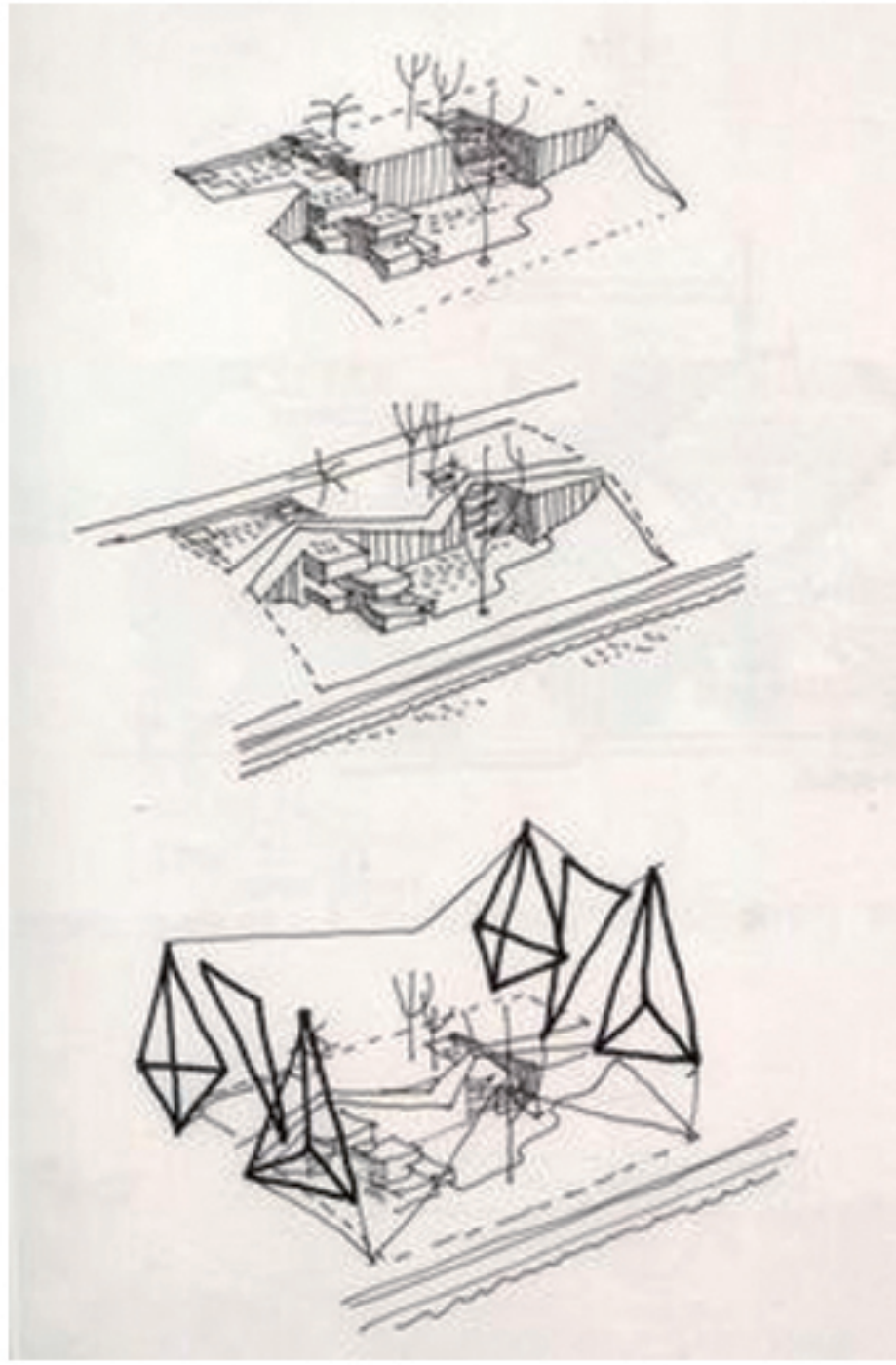


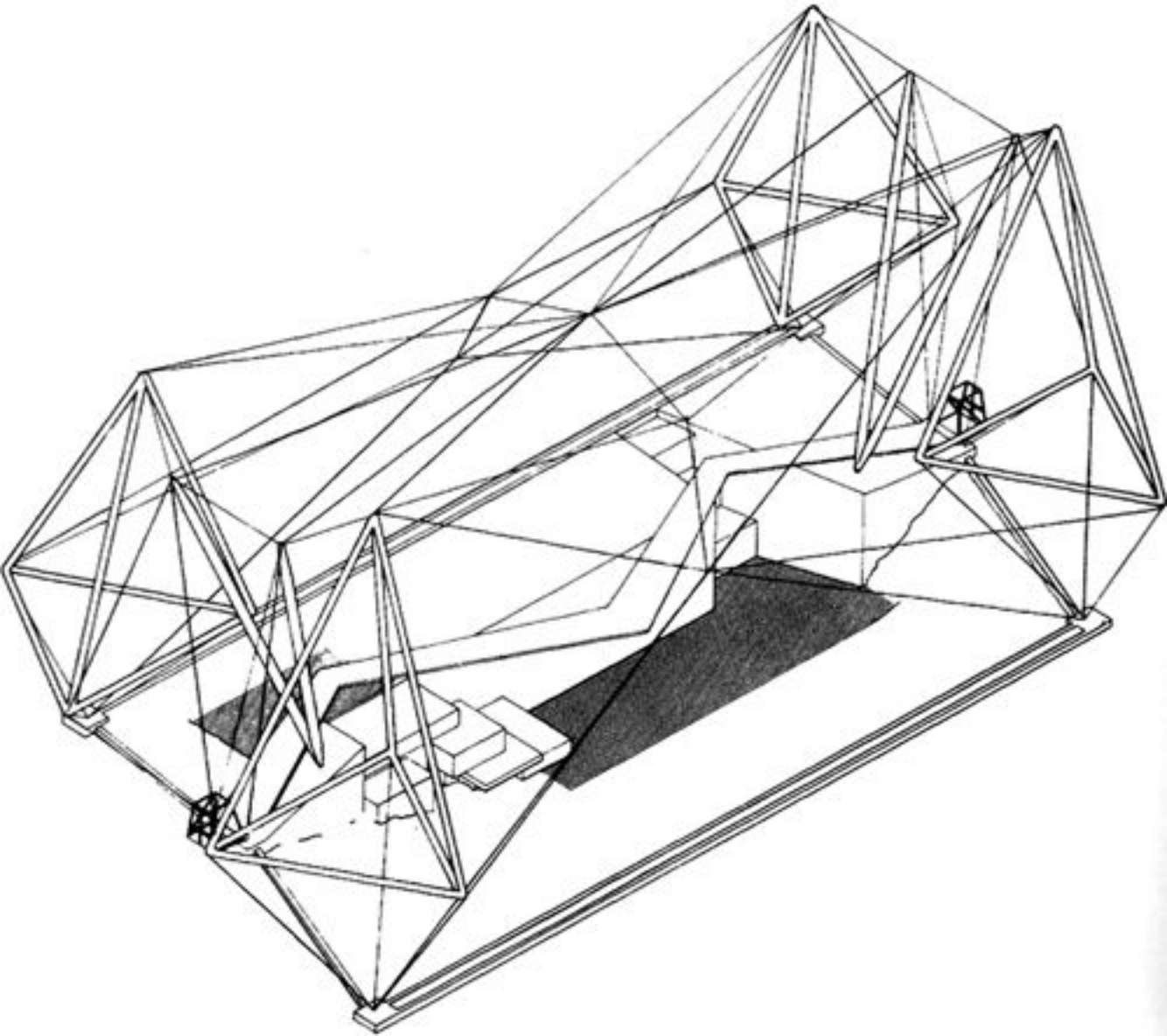


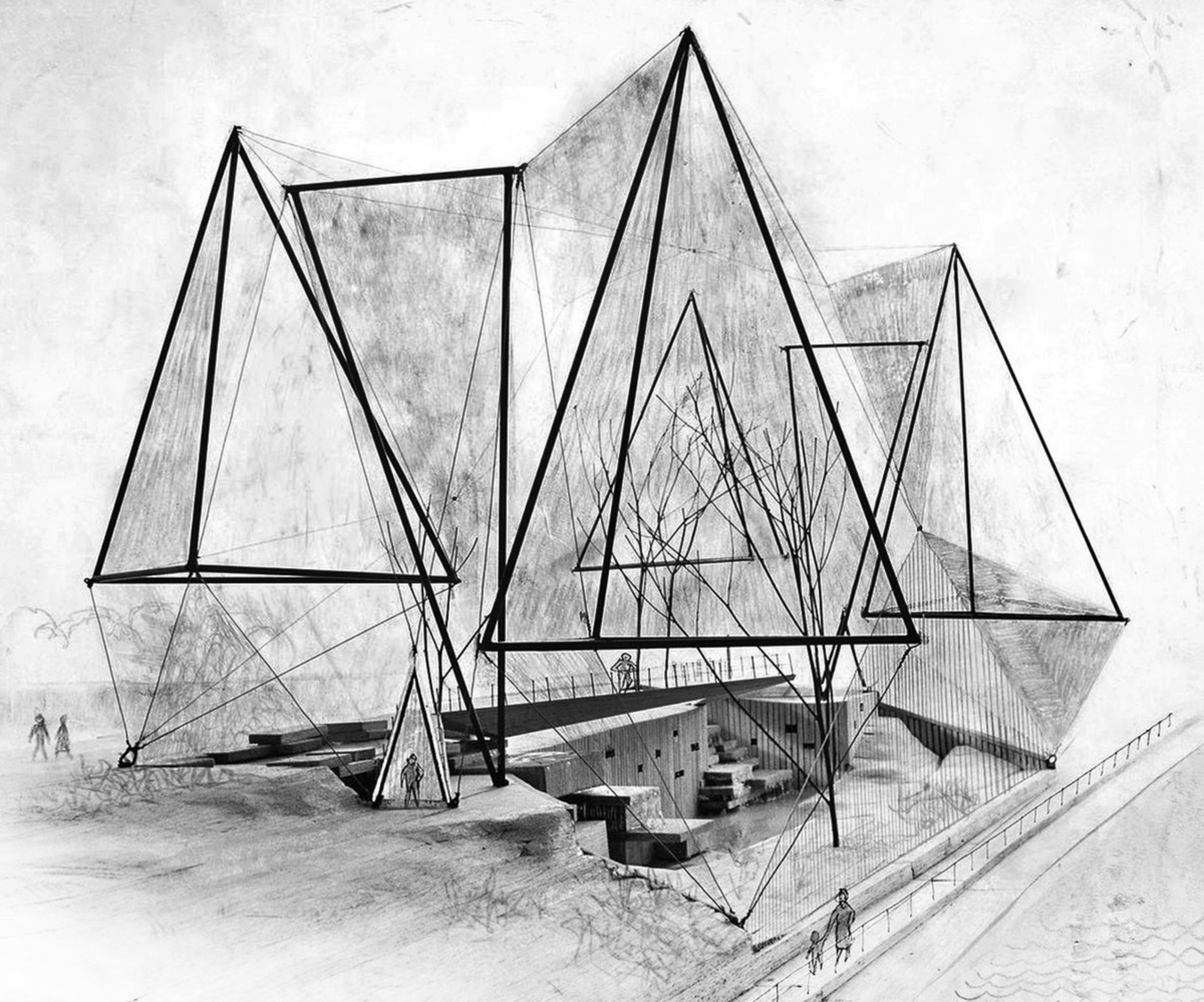


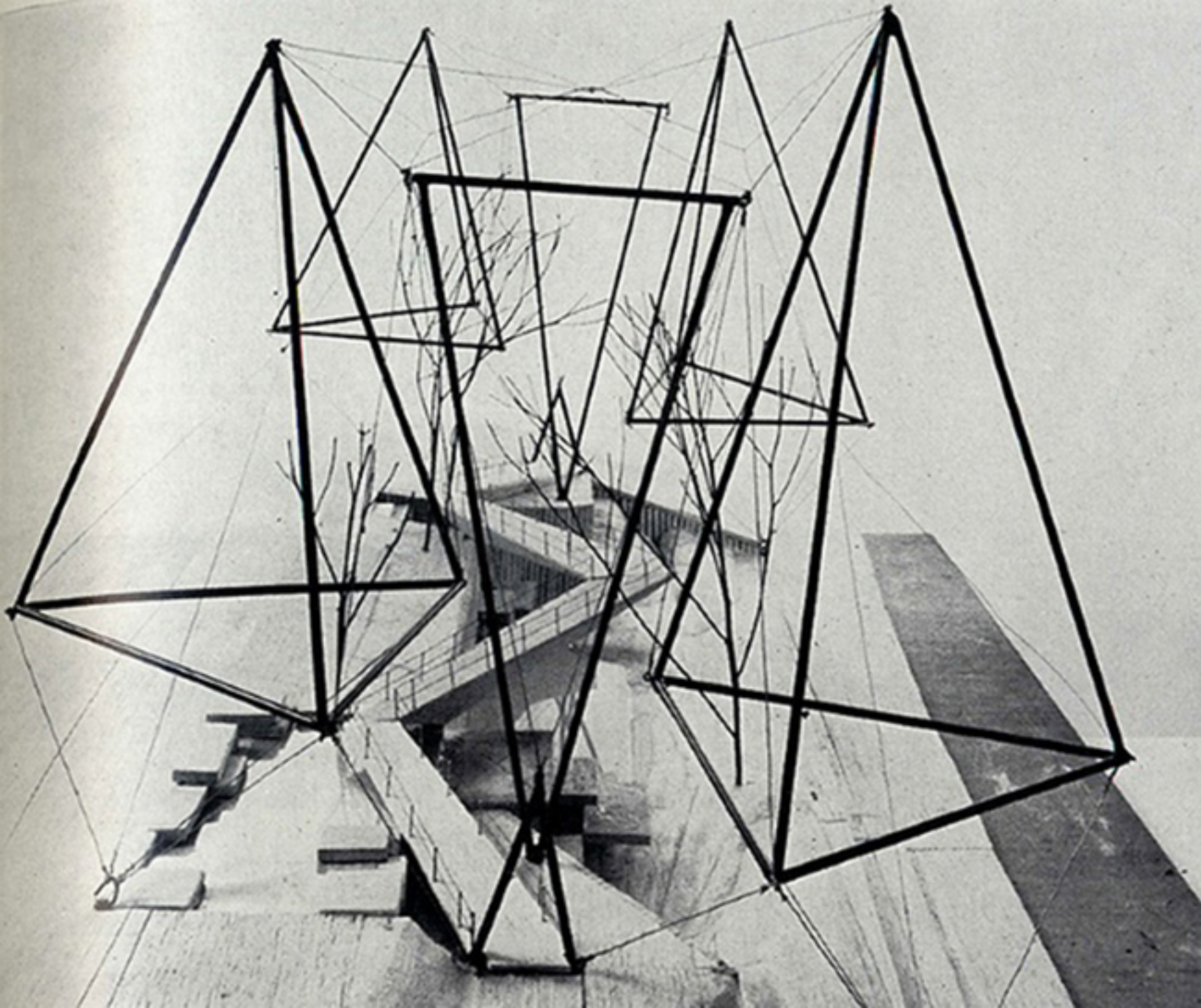


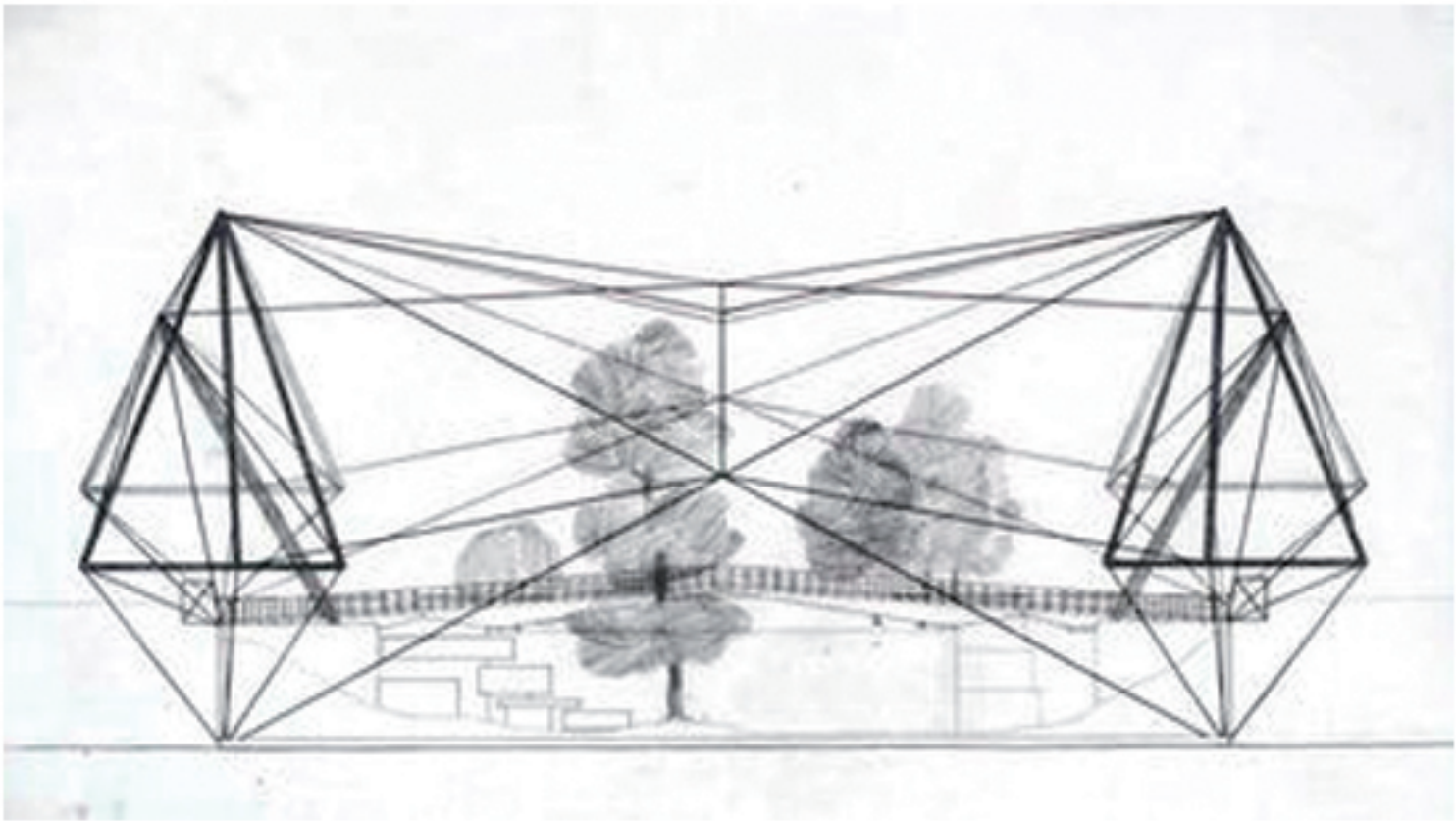


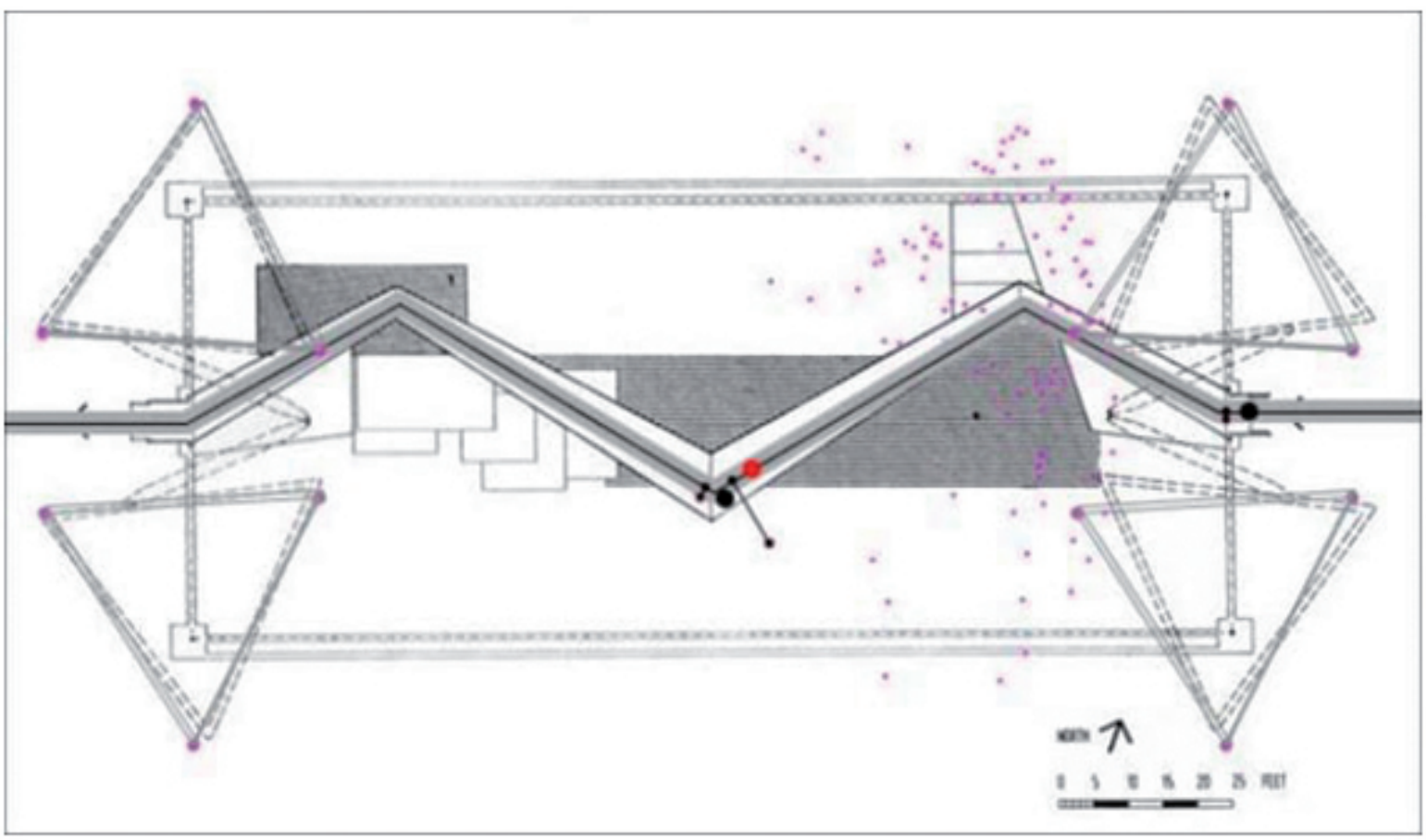


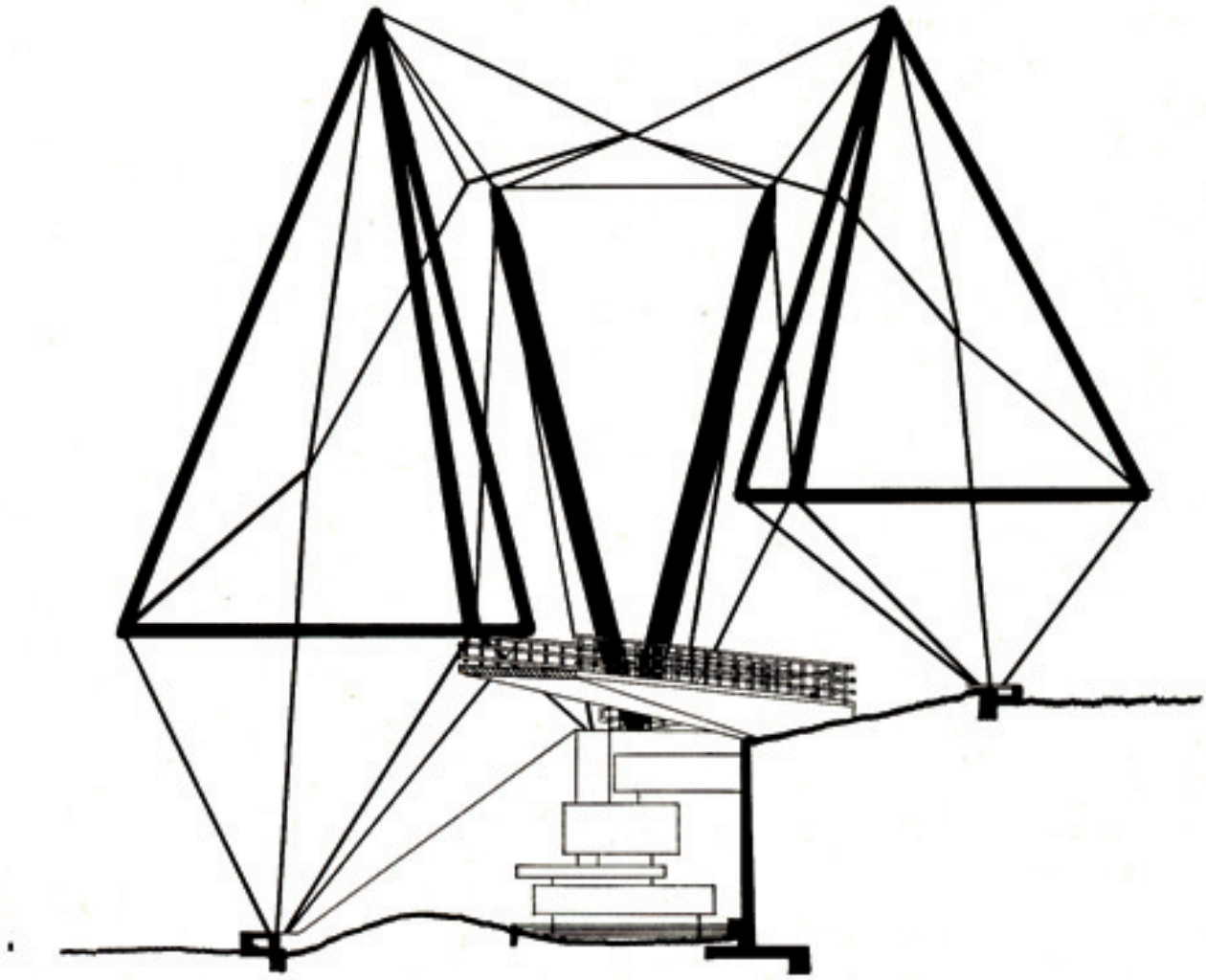


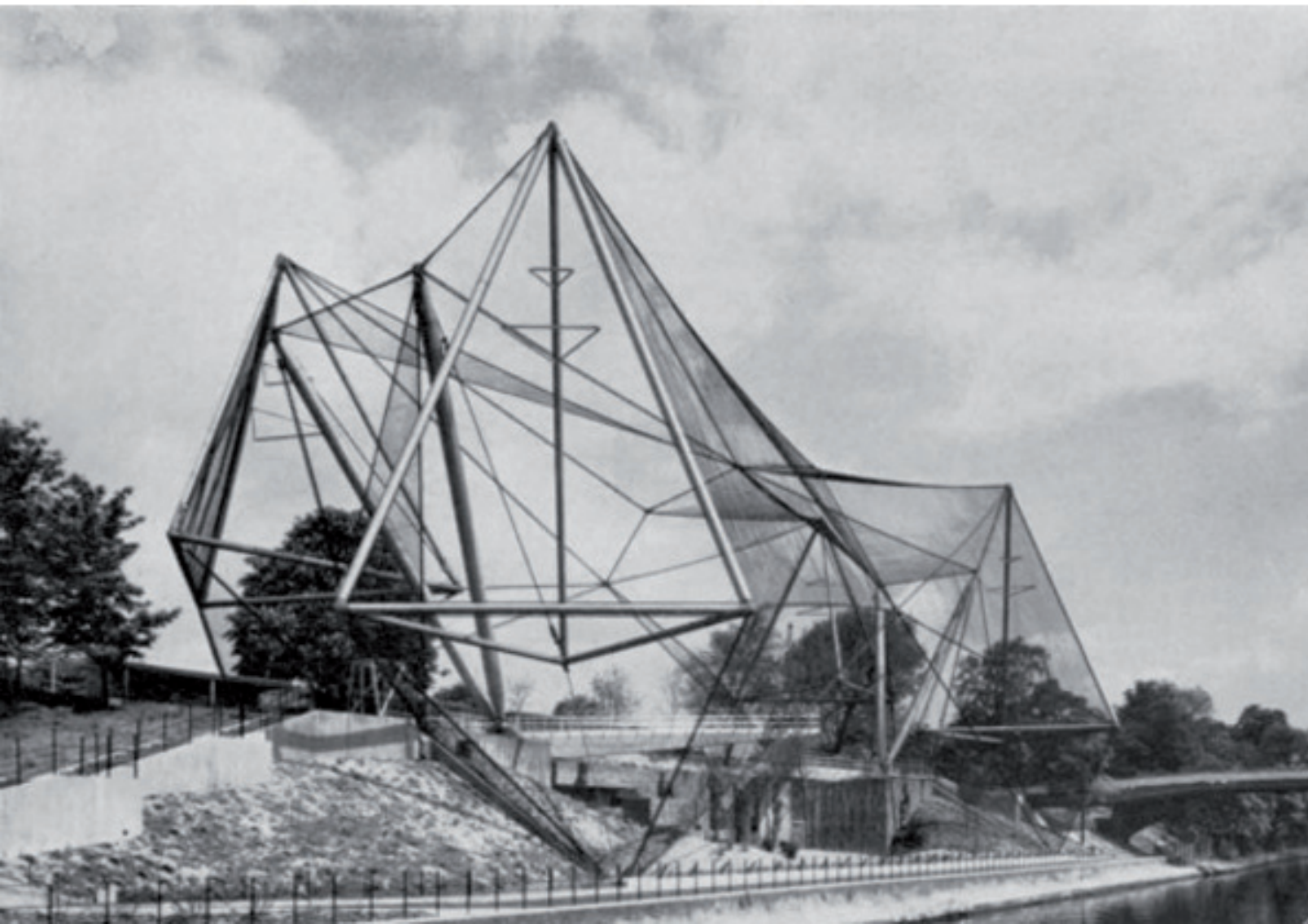




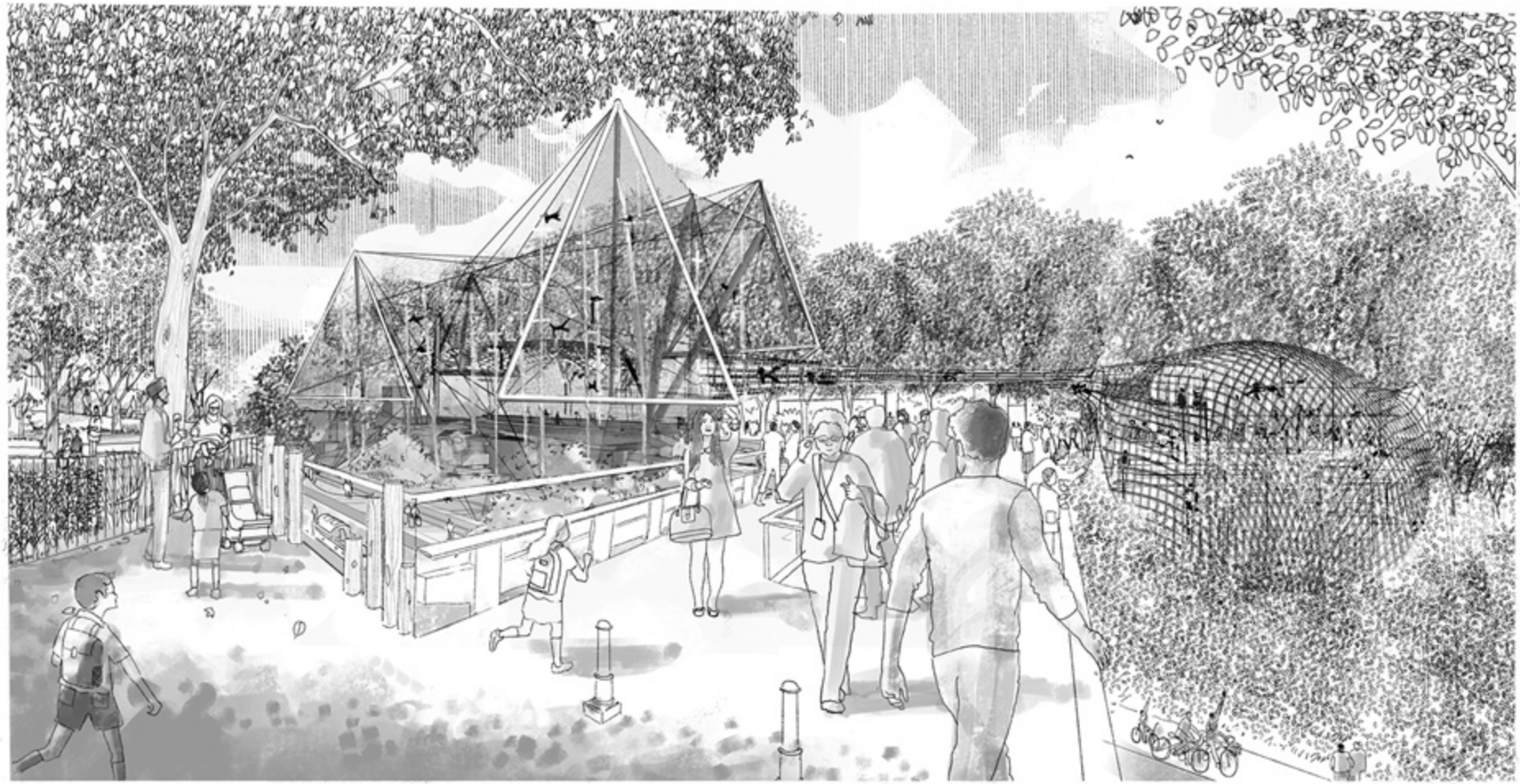


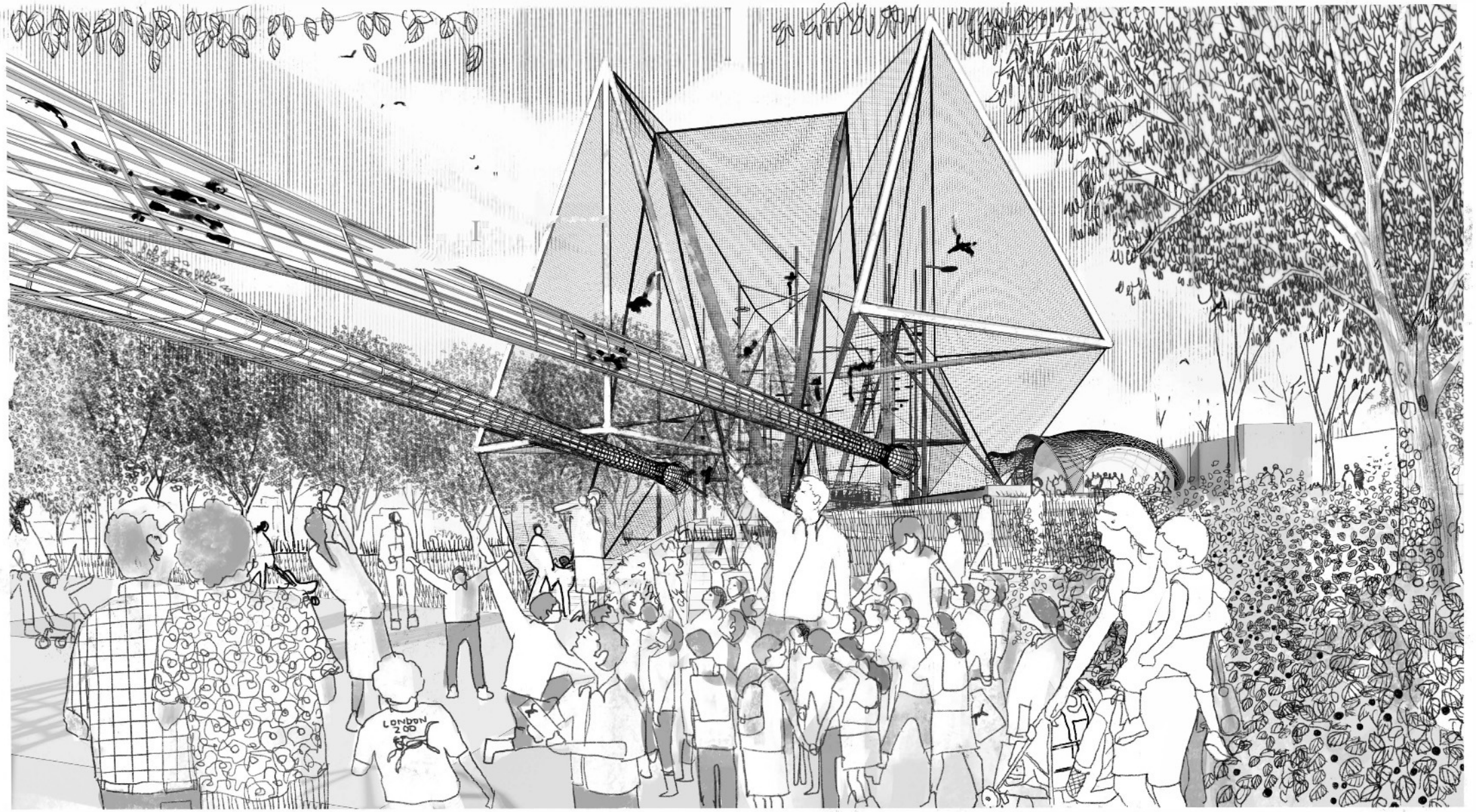

NORTH
0 5 10 15 20 25 FEET

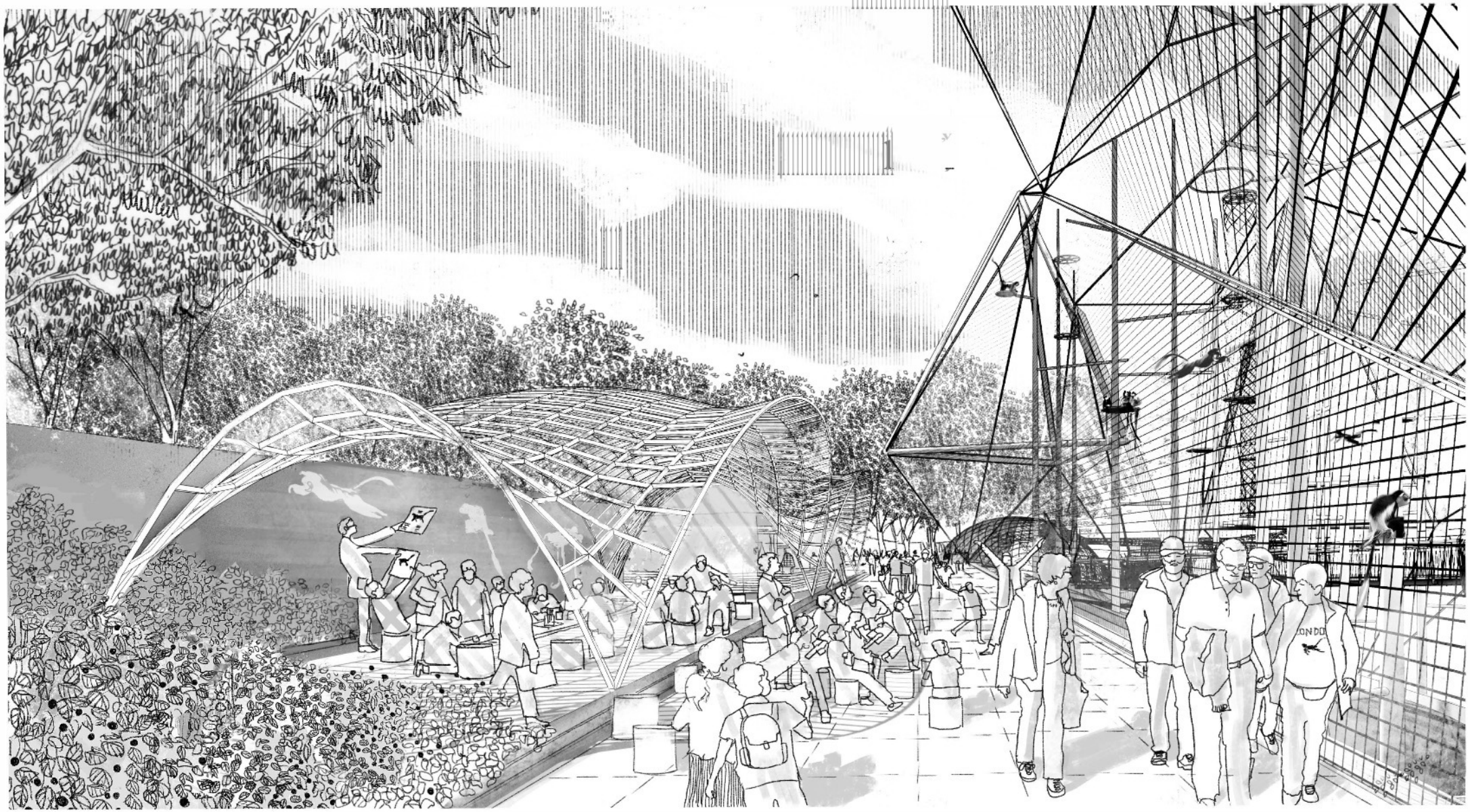


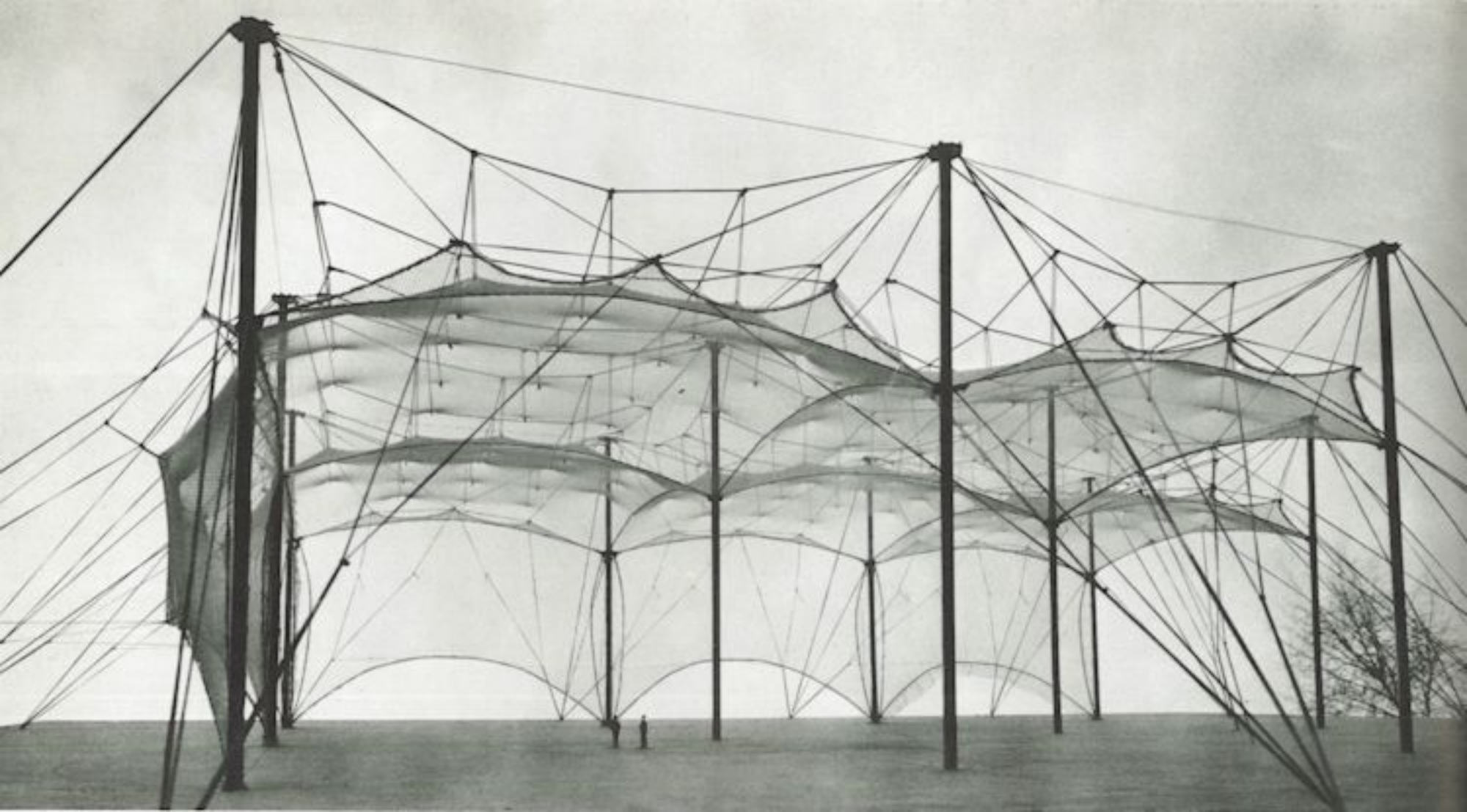


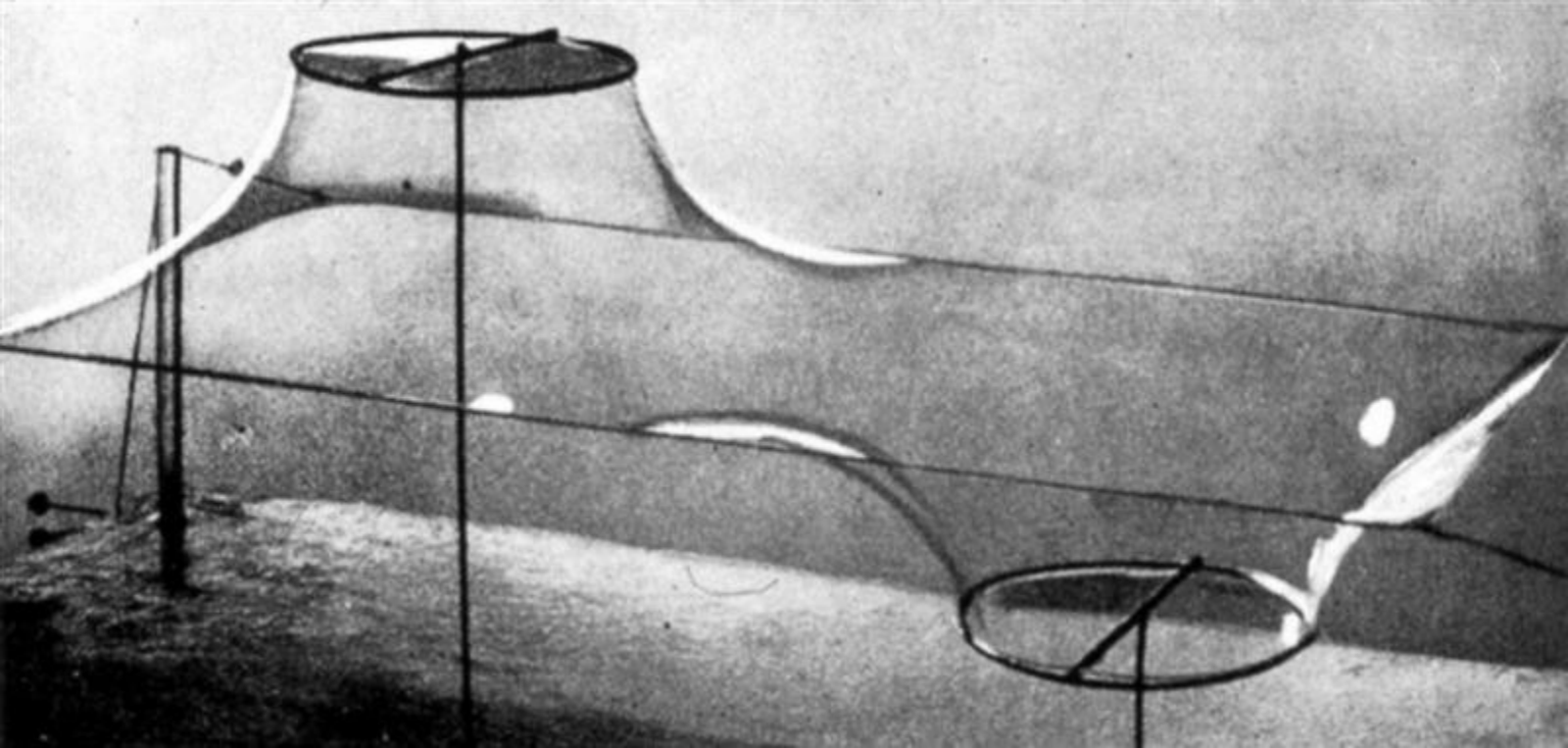

© travelling-da

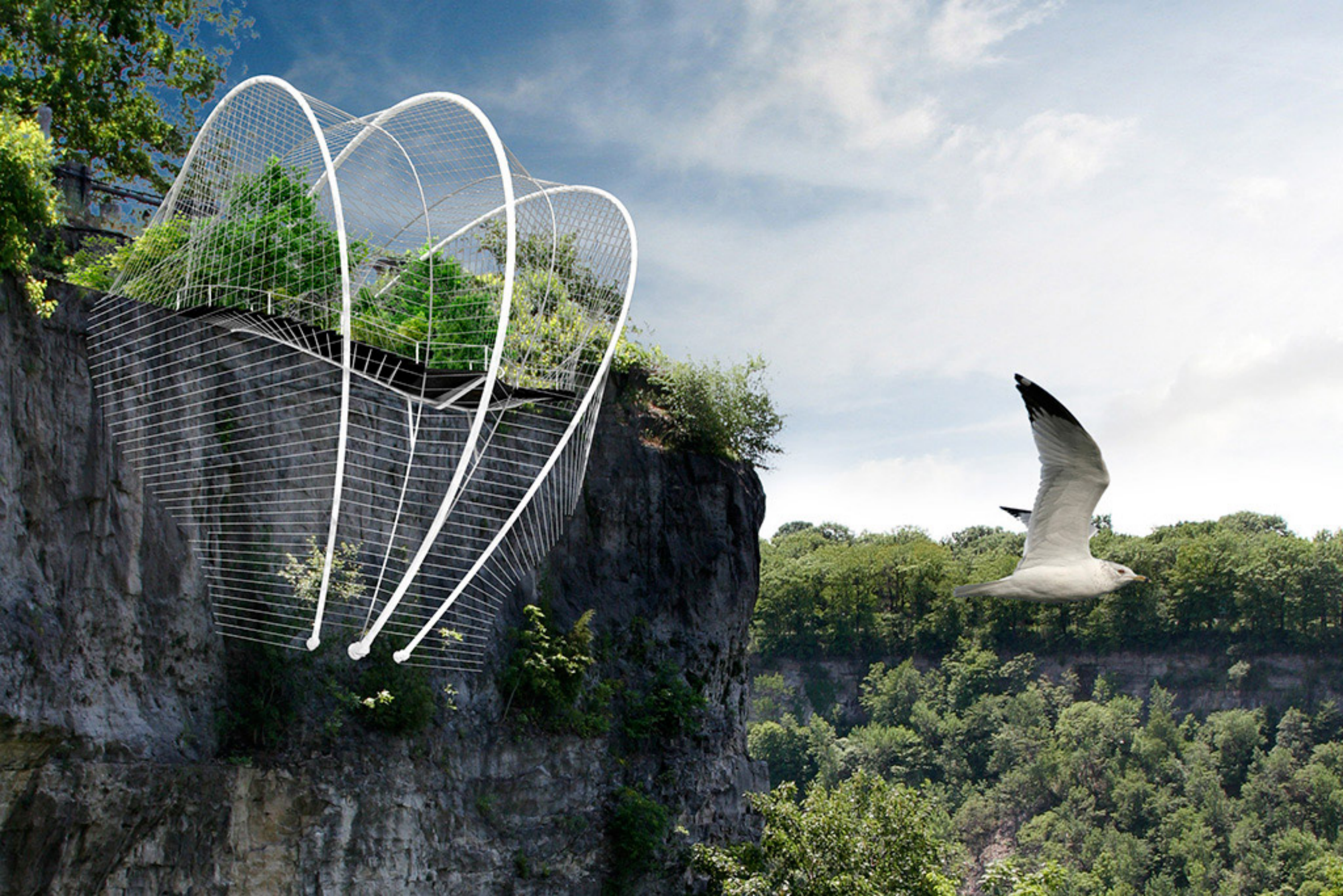


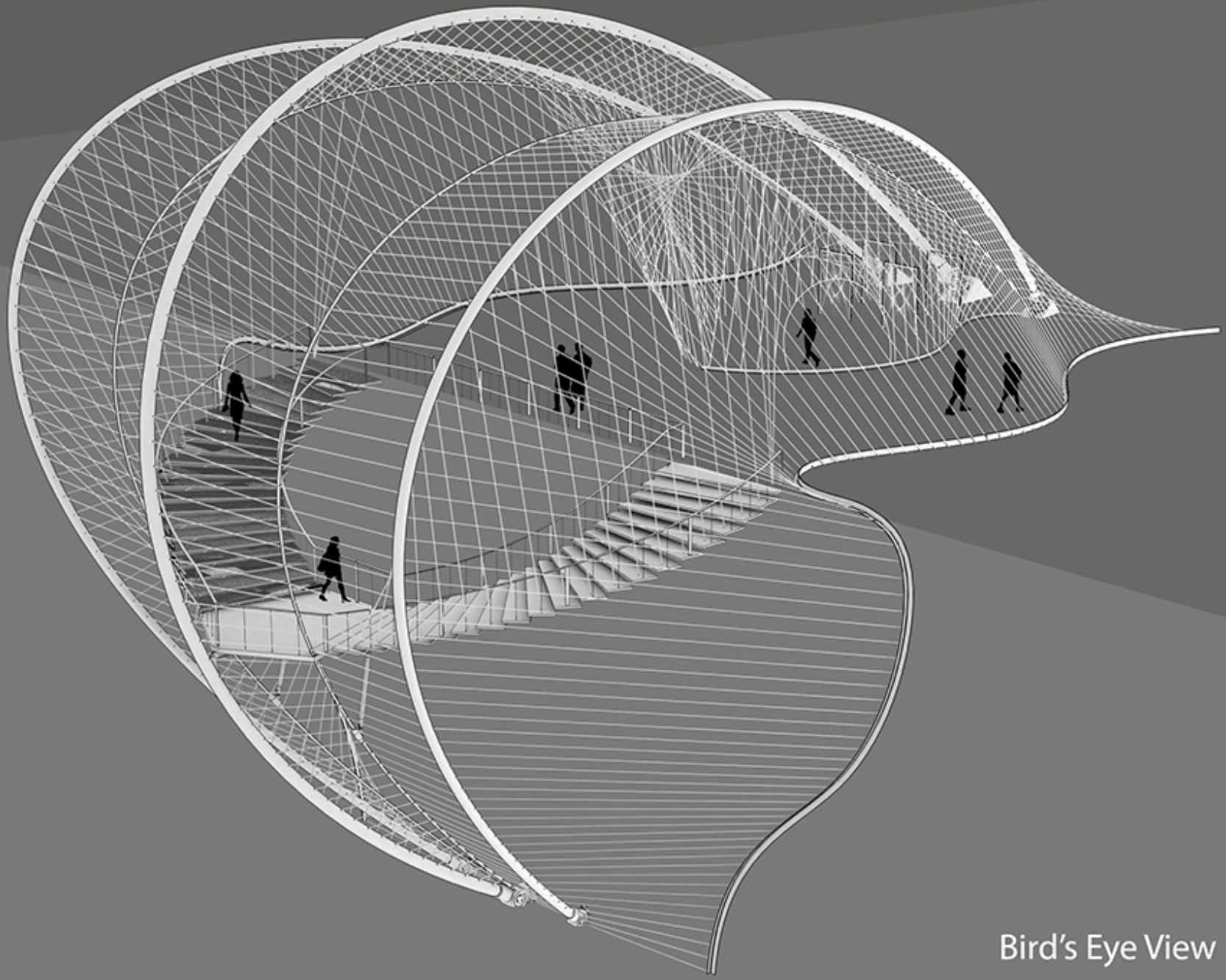

LONDON
ZOO



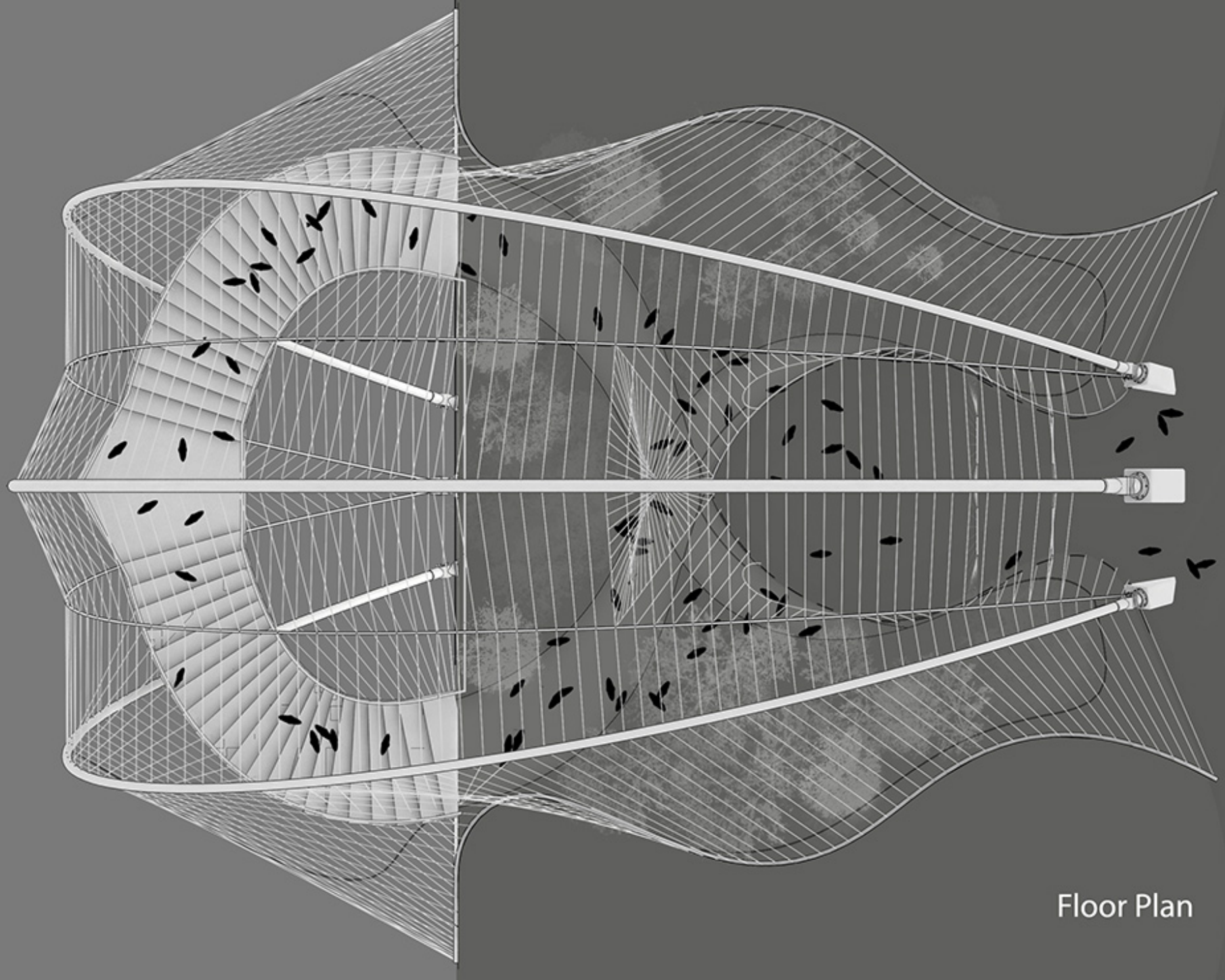




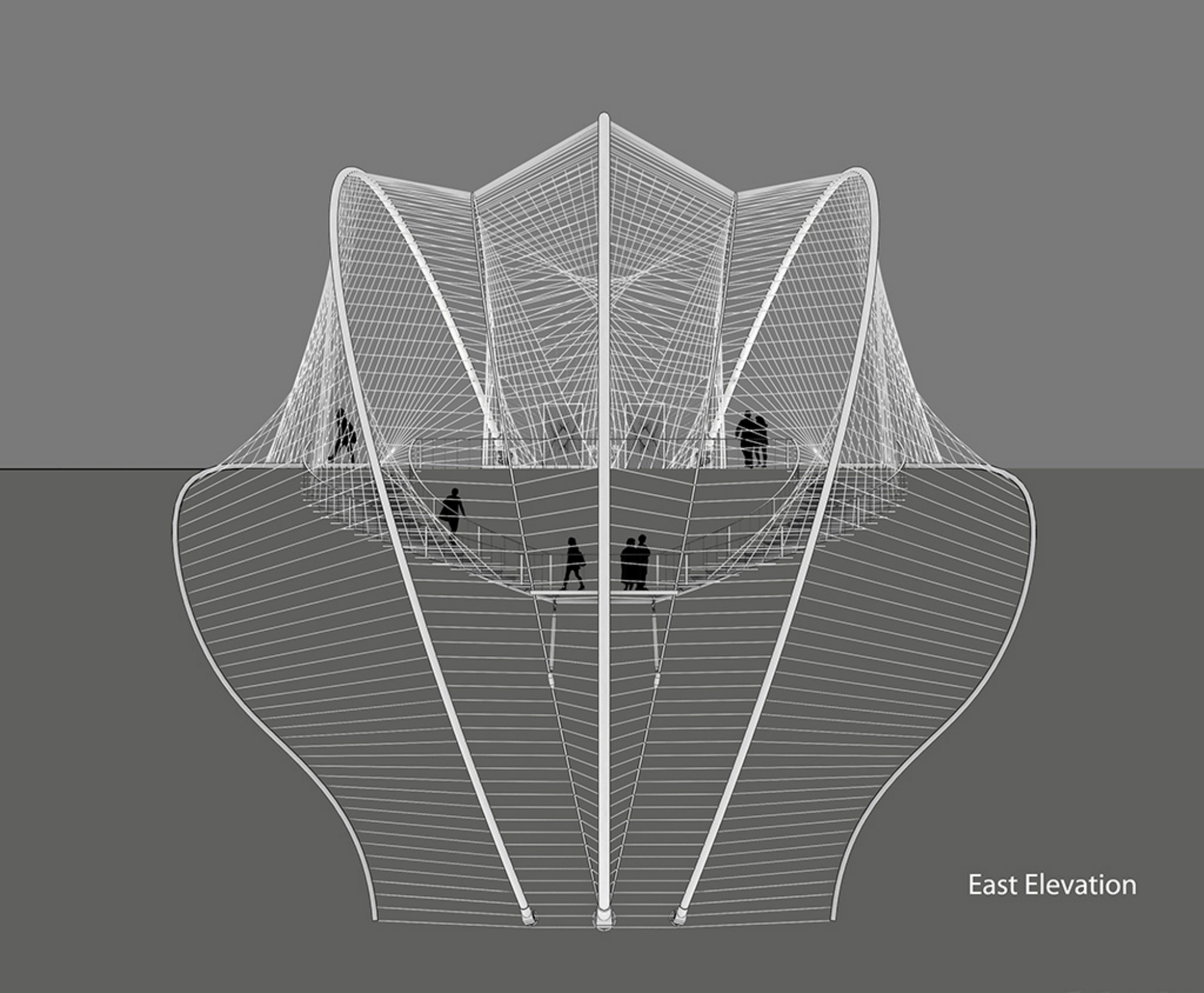




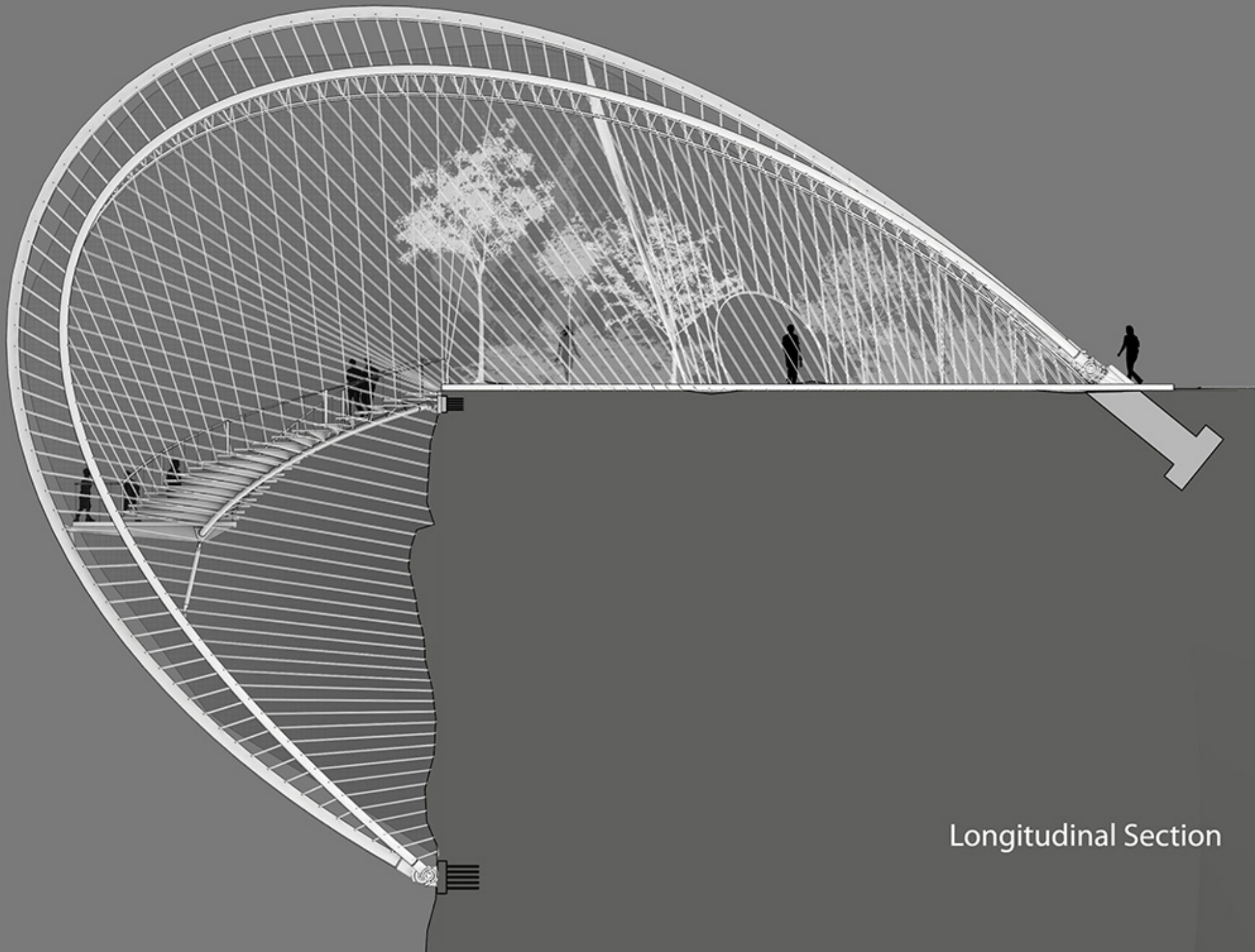
Bird's Eye View



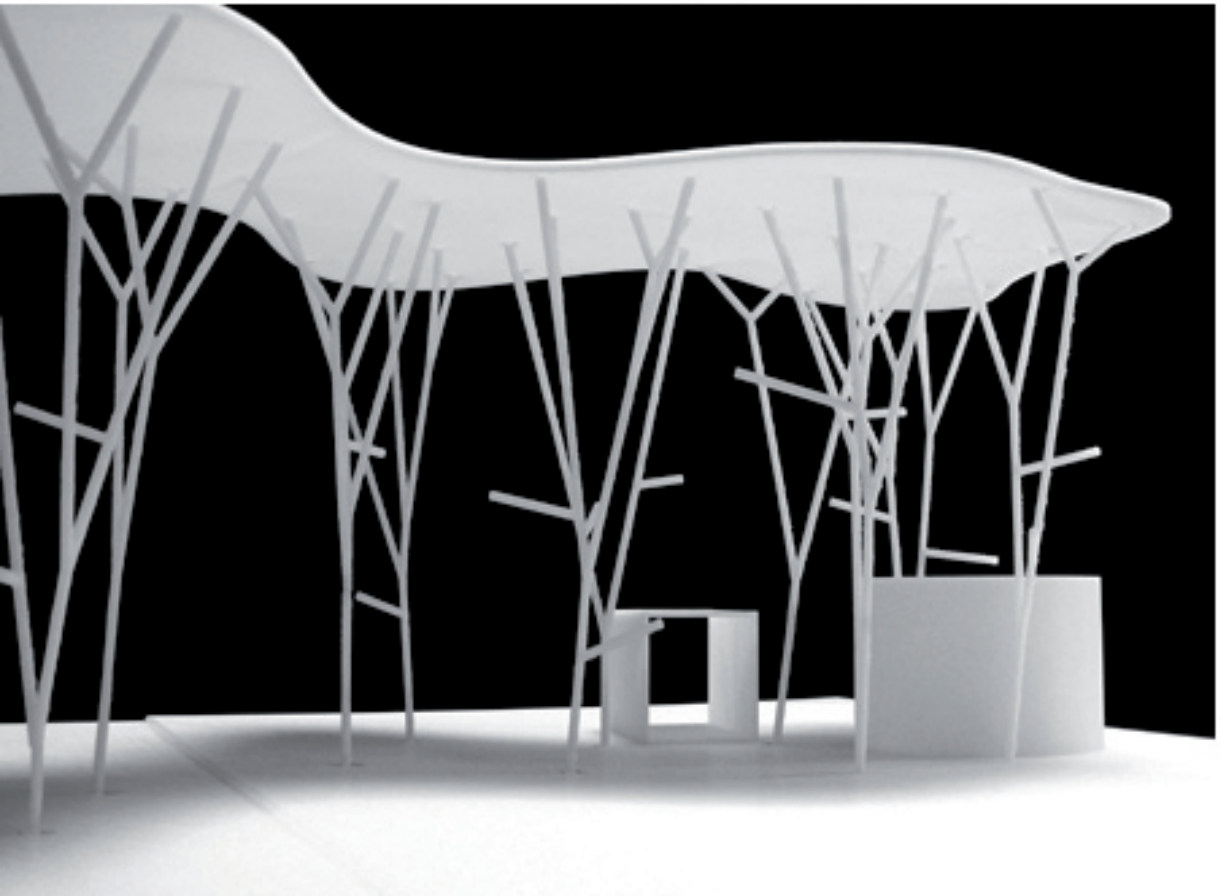
Floor Plan

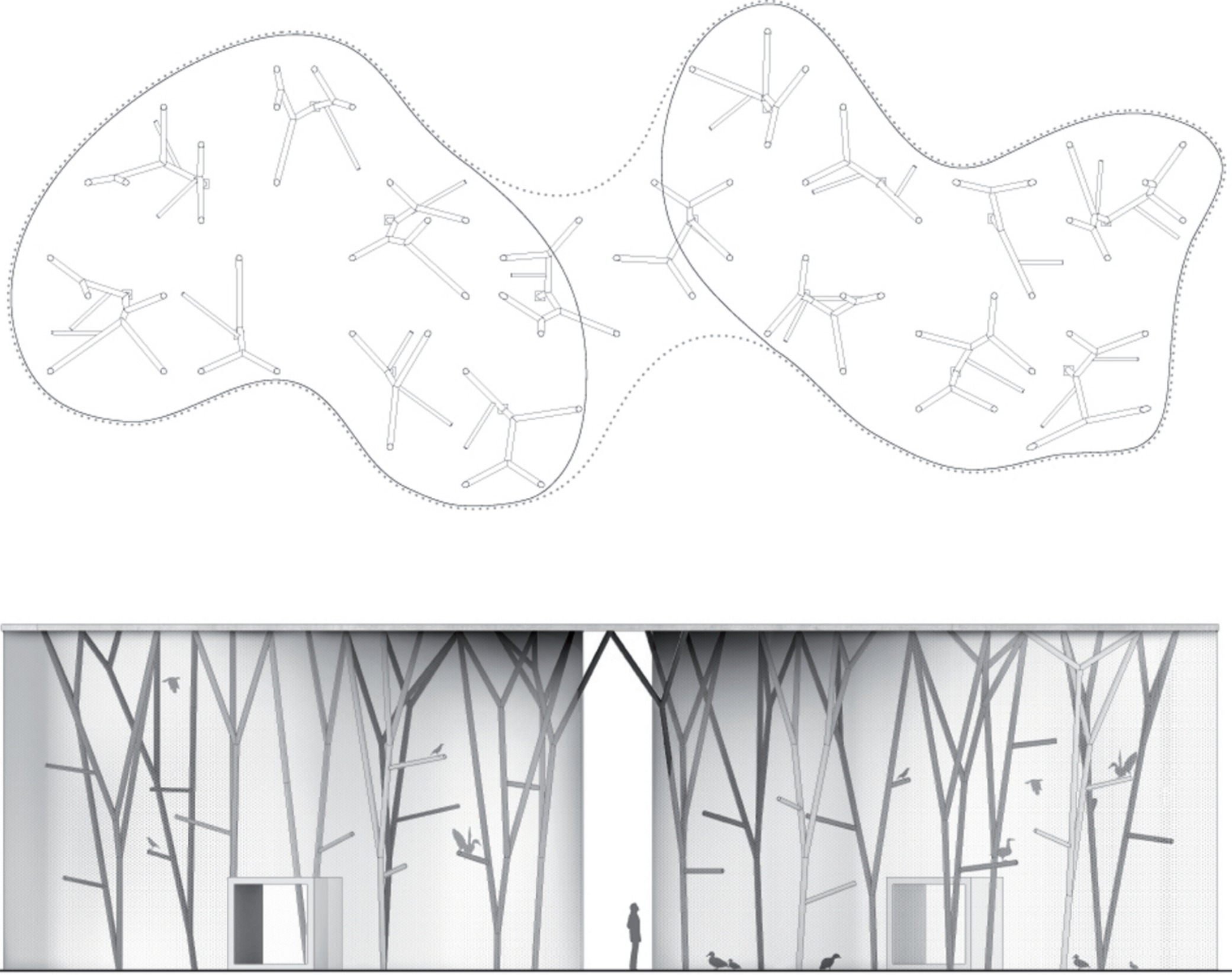


East Elevation



Longitudinal Section





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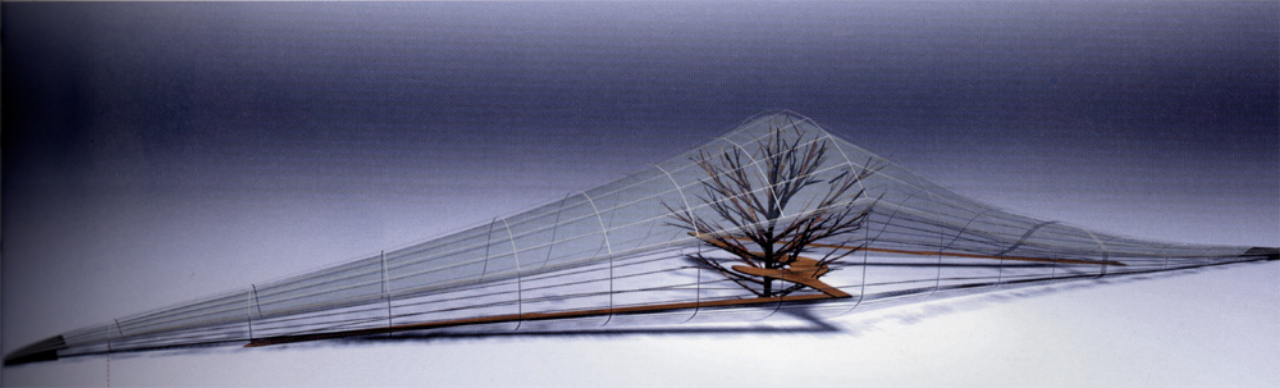
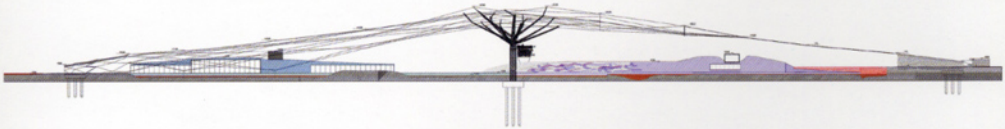
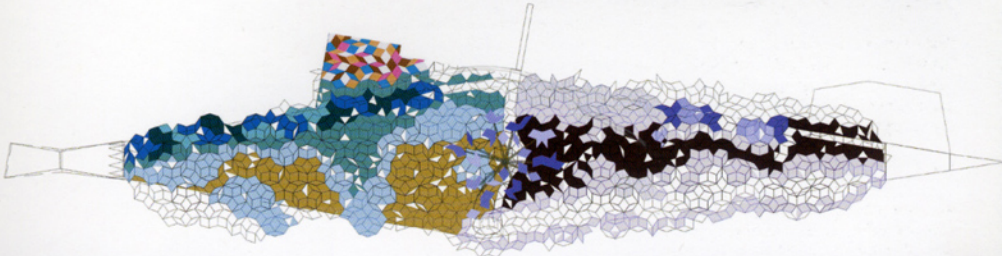






Hollow Tower

a fauna refuge

History erased the custom office and its pier, which was in the past the gate of the vice-kingdom. The ecological reserve marks now the limit of the Argentina's capital, Buenos Aires.

Like a signal, a lighthouse, the vertical zoo is set in a contrast game which dialogue with the infinite horizon, given by the "freshwater sea", the Rio de la Plata and as well by the Pampa's plain.

In the continuity of this opposition's game, like a monolith rock, a menhir, the Hollow Tower emphasizes the reserve's Nature and therefore respects it.

In opposite of the strong external shape, the inside space is designed by the digging of the rocky mass. This void is moved in levitation above the ground of the ecological reserve, like a vertical receptacle of life, of the fauna and the flora, like a reserve in the reserve.

Ground occupation : 90 m2

1° Administration

2° Hall and shop

3° Monkeys floor

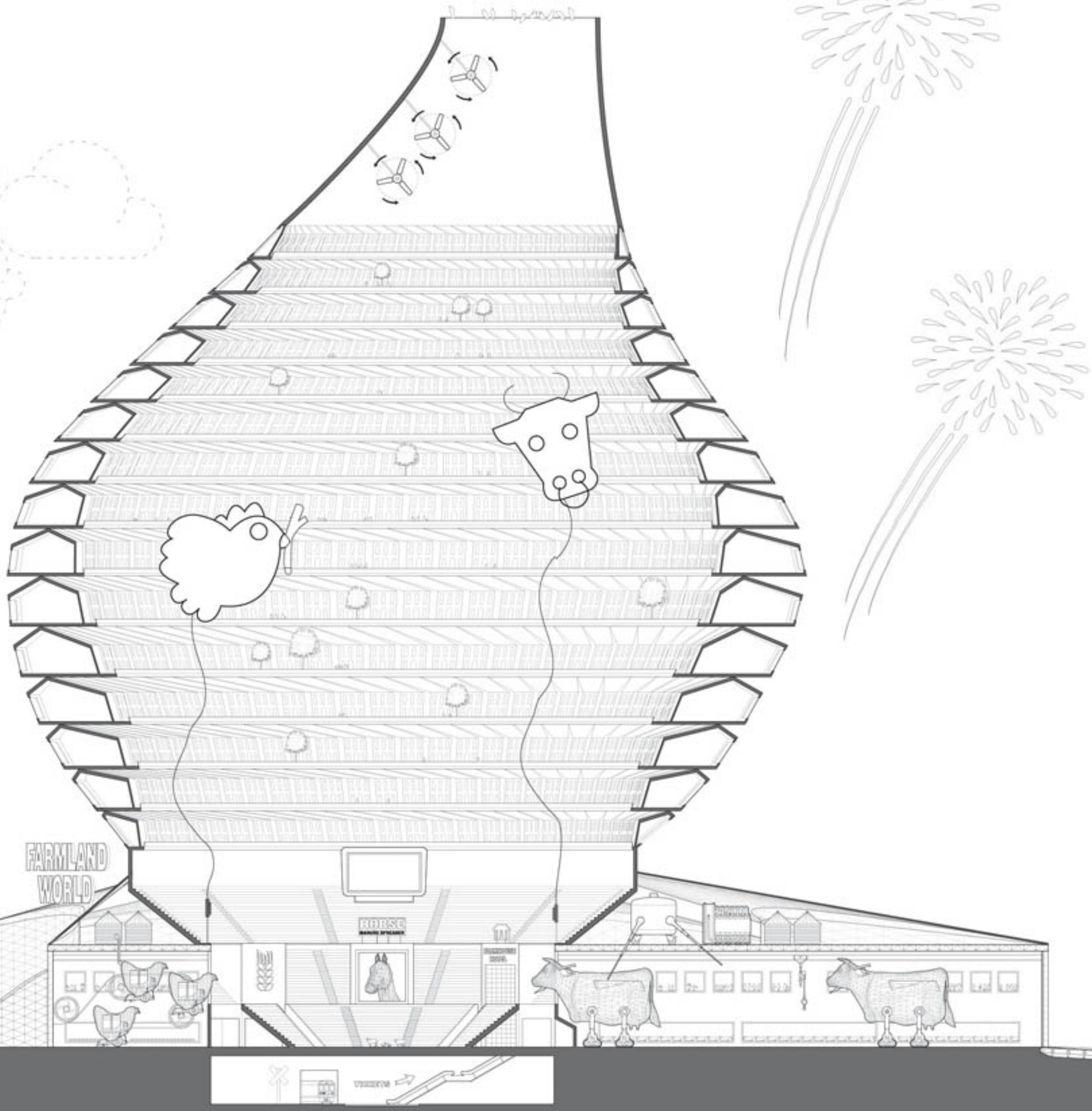
4° Big cats floor

5° Humid atmosphere

6° Dry atmosphere

FARMLAND WORLD SECTION

Scale 50' 100' 200'



FARMHOUSE BULB HOTEL

Like stables for people, rows of farmhouses line the walls of the resort. Each houses is distorted rendering each one unique while reaching for maxium sunlight on the exterior and craning for the best view of the central exhibition space on the interior.

ANIMAL FARMATURE VIEWING

Resort guests are encouraged to get close to both sets of animals, the farmature machines and the domesticated organic variety. As part of the resort experience, they tend to the needs of each as well as reep the rewards.

IRON HORSE TRAIN STATION

The proposed high-speed rail lines weaving through the fabric of the Midwest will bring a renewed consciousness of the middle and connection to the land. The resort capitalizes on the pulses of this new network through the rail station located underneath the resort.

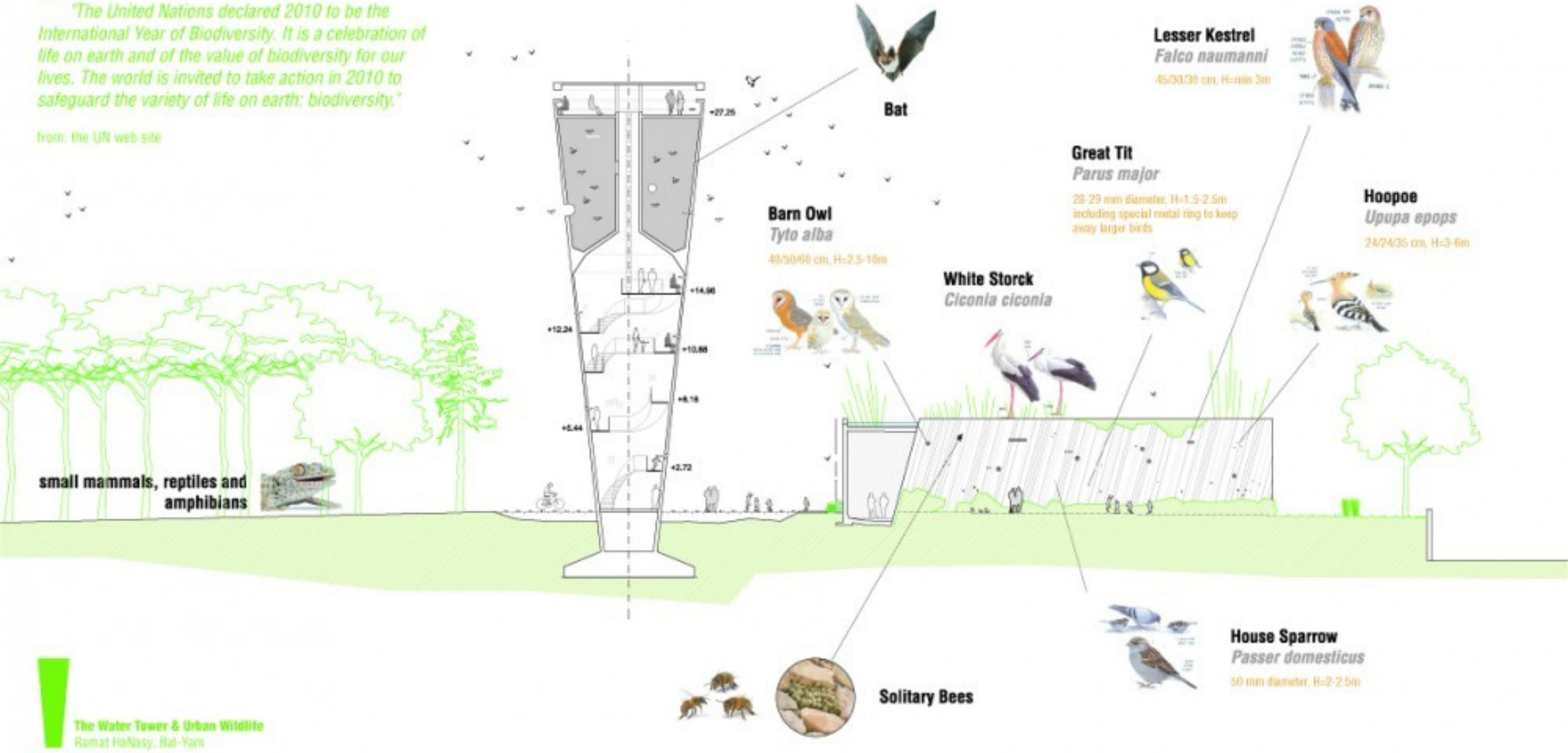
Biodiversity *

Living buildings function as natural systems and keep a balanced equilibrium between the structure and its natural surroundings. According to its geographical location and the resources it "uses", the living structure needs to supply hidden areas, nesting spaces and food resources in order to strengthen the natural biological, ecological and visual systems.
By locating and defining a variety of existing or potential animal and plants species in the area, we are able to create a series of **openings** and internal voids - each specifically sized and positioned to allow for a rich and varied range of animals - from fruit bats and song birds to small mammals, reptiles and amphibians.

*

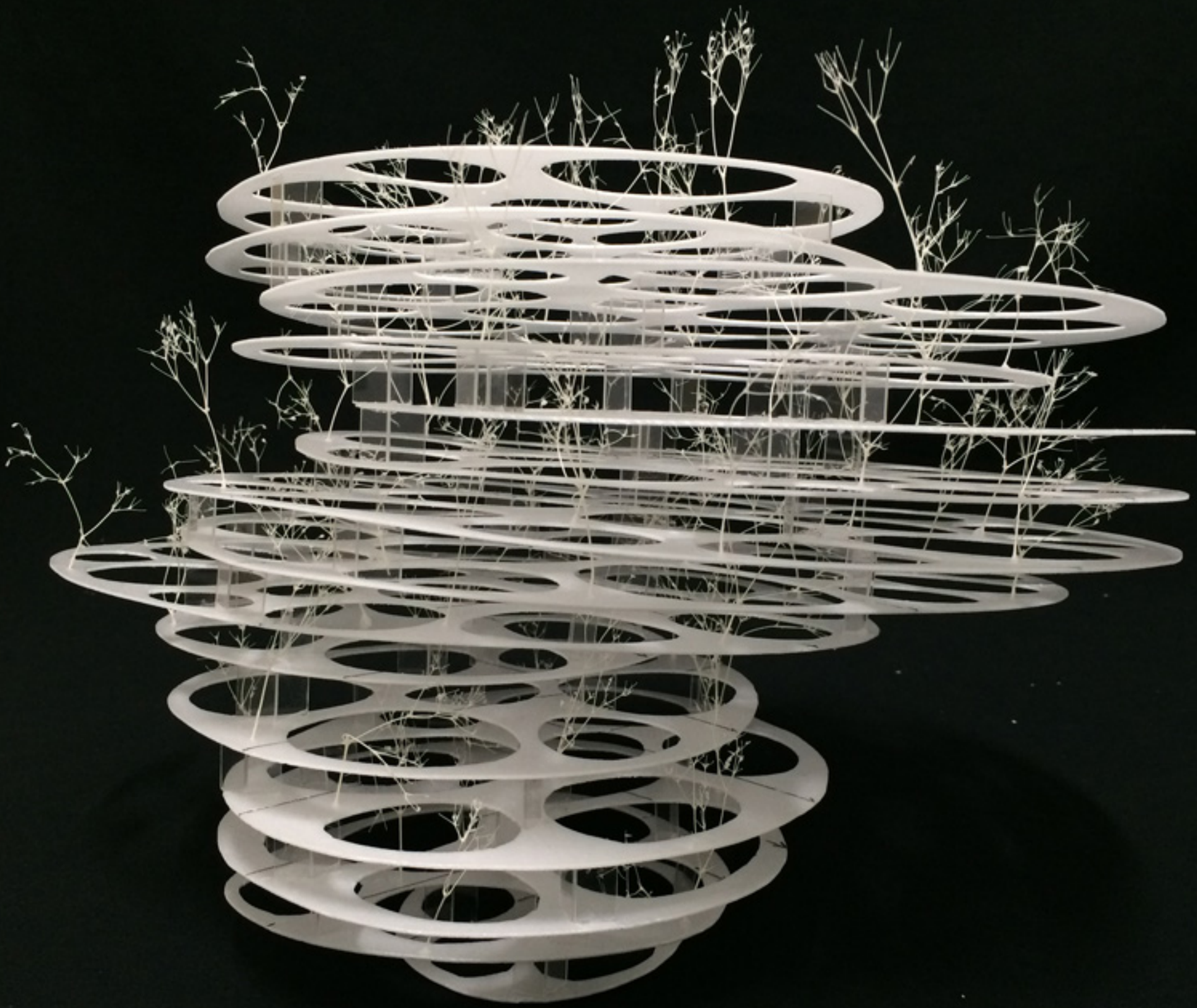
"The United Nations declared 2010 to be the International Year of Biodiversity. It is a celebration of life on earth and of the value of biodiversity for our lives. The world is invited to take action in 2010 to safeguard the variety of life on earth: biodiversity."

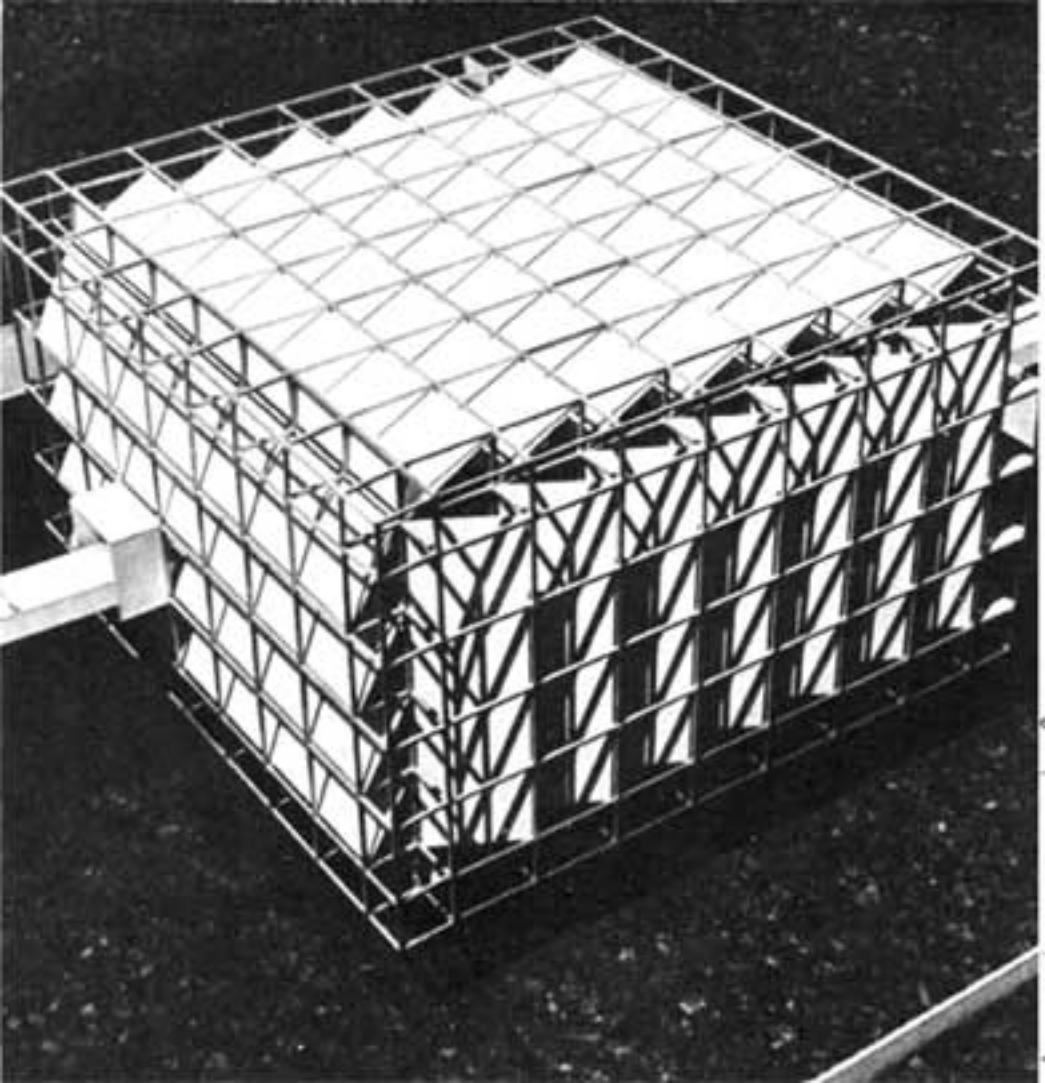
from: the UN web site

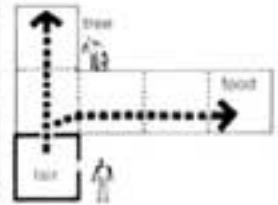


The Water Tower & Urban Wildlife
Ramat HaNasy, Bat-Yam

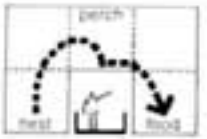

MoMA



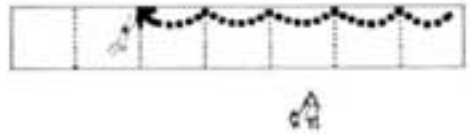




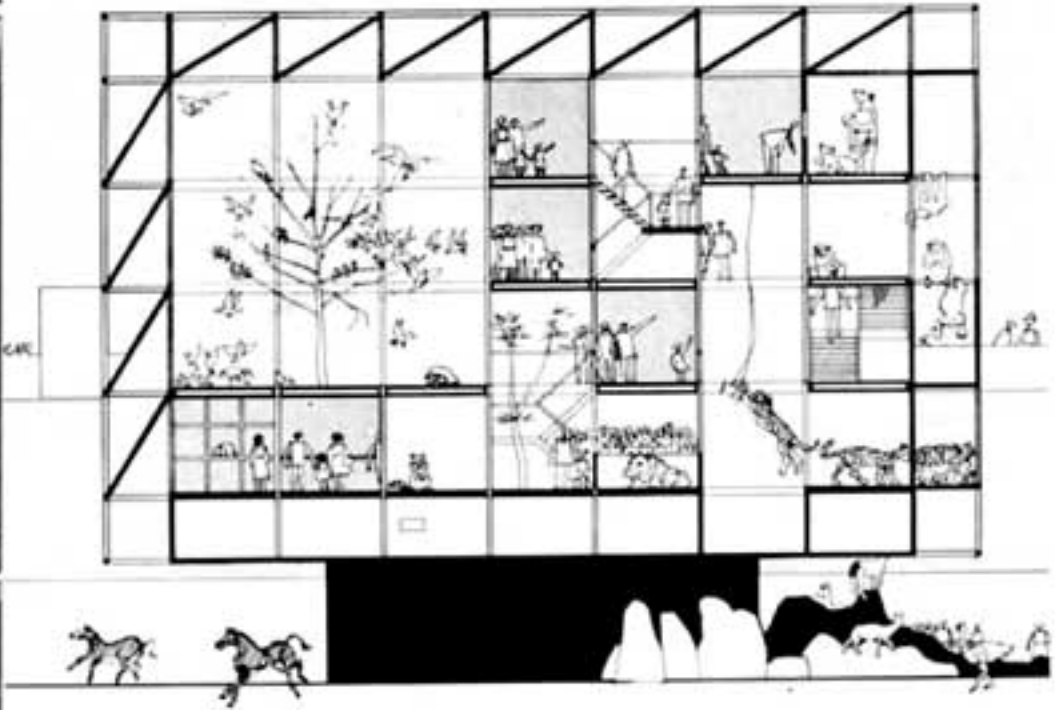
Territorial lizard

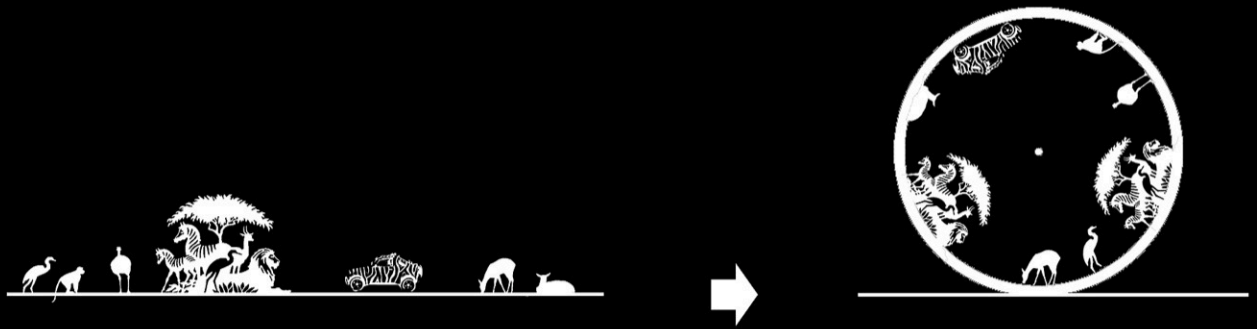


Leaping cats

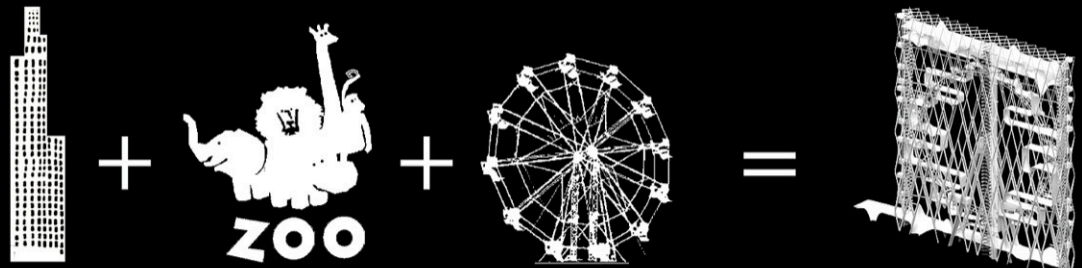


Brachiation gibbons



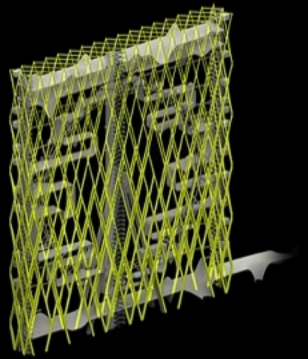


circular urban safari

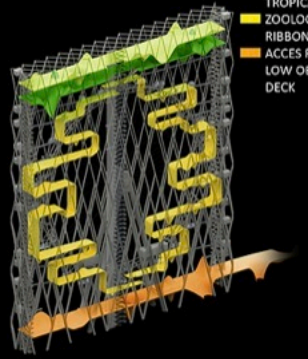


new hybrid type: vertical safari

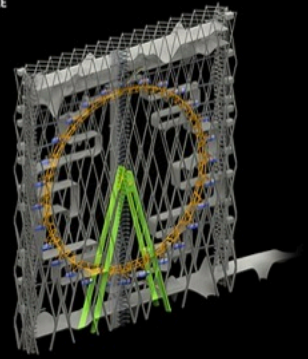
TREE LIKE STRUCTURAL NETWORK



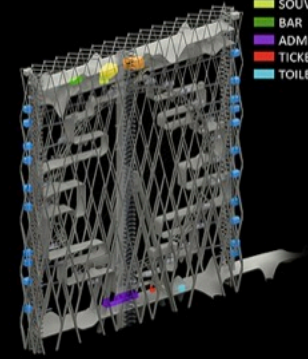
RIBBONS SYSTEM



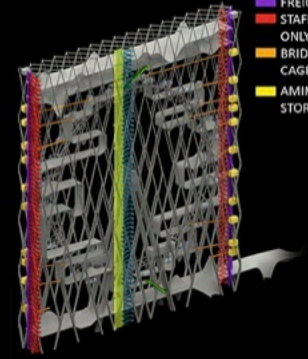
FERRY WHEEL

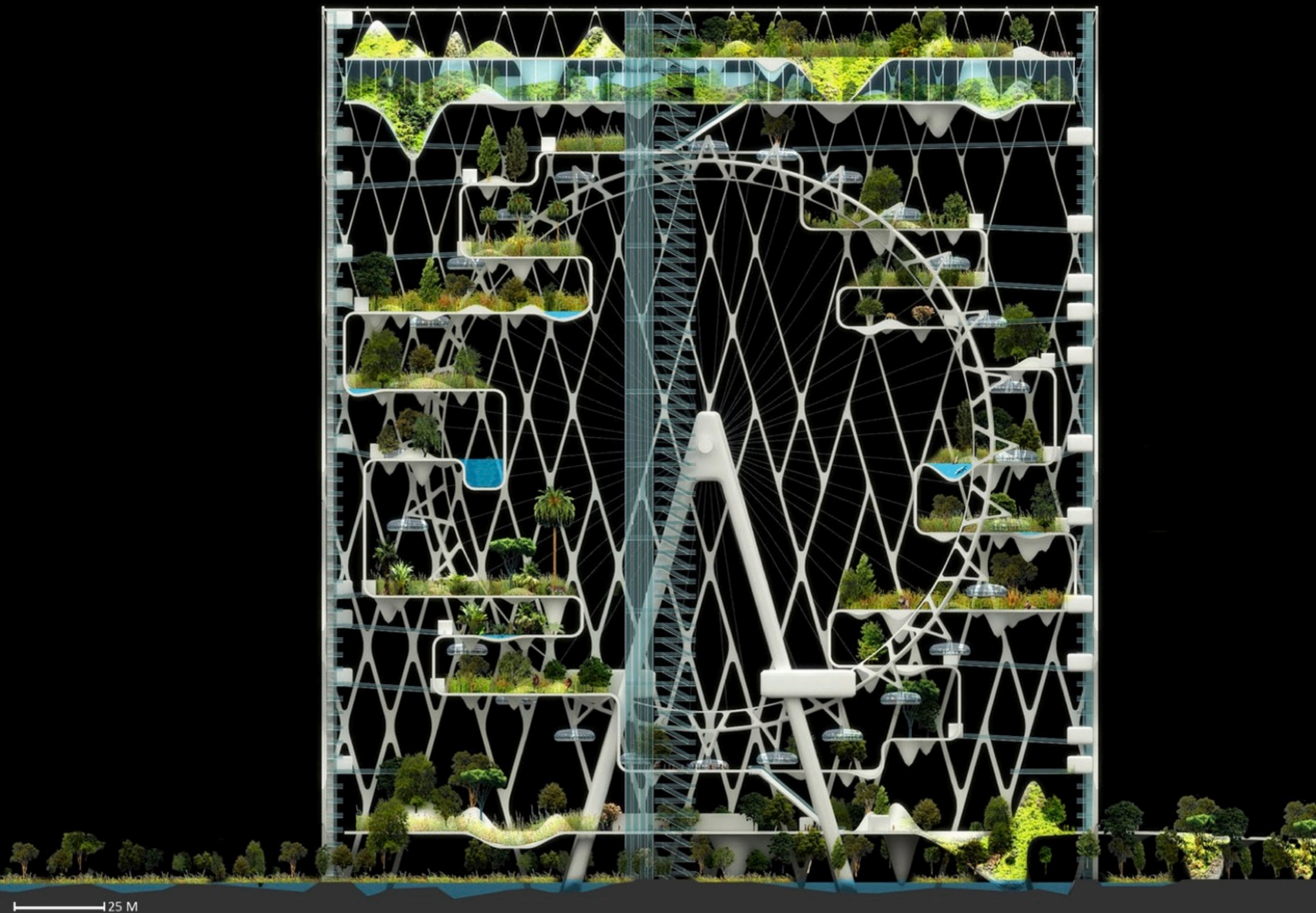


PROGRAM DISTRIBUTION



CIRCULATIONS

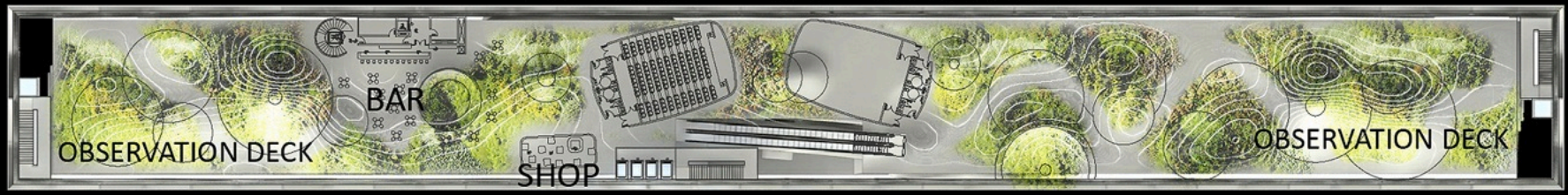



25 M

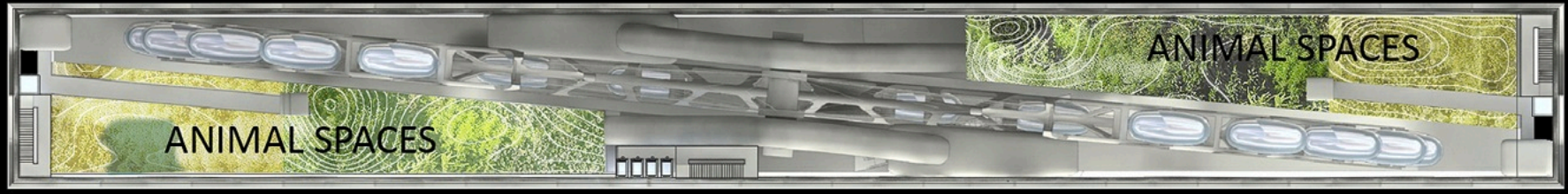
PLANS

25 M

FACILITIES LEVEL +215m

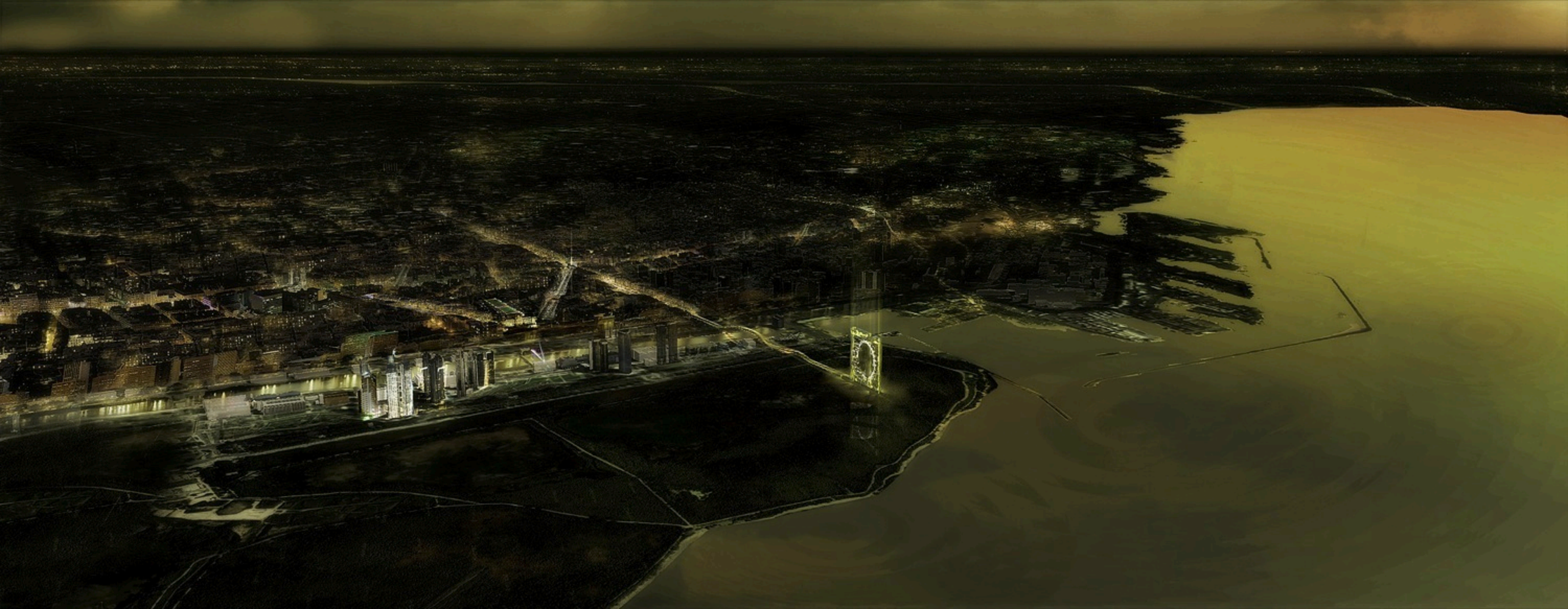


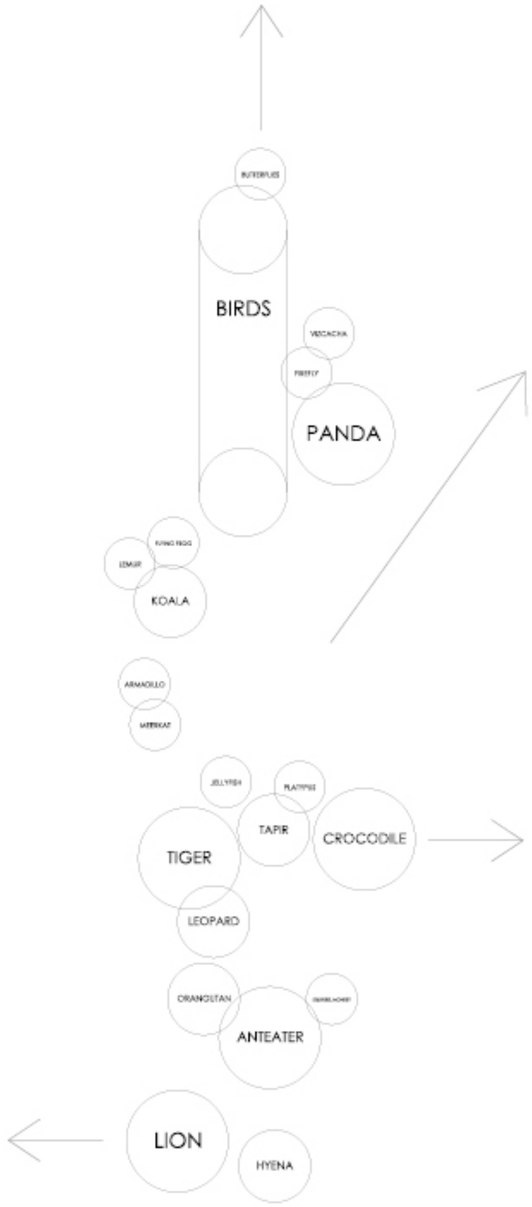
ZOOLOGICAL TYPE LEVEL +175m



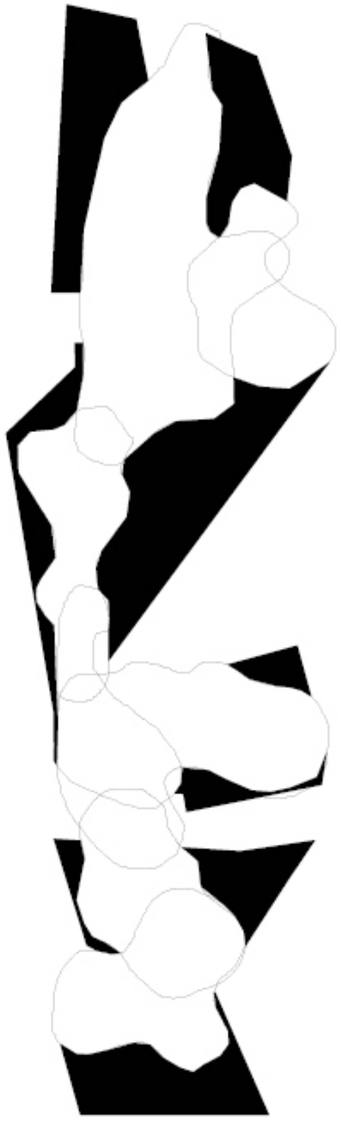
ACCESS AND ADMINISTRATION LEVEL +14m


THE BRAND

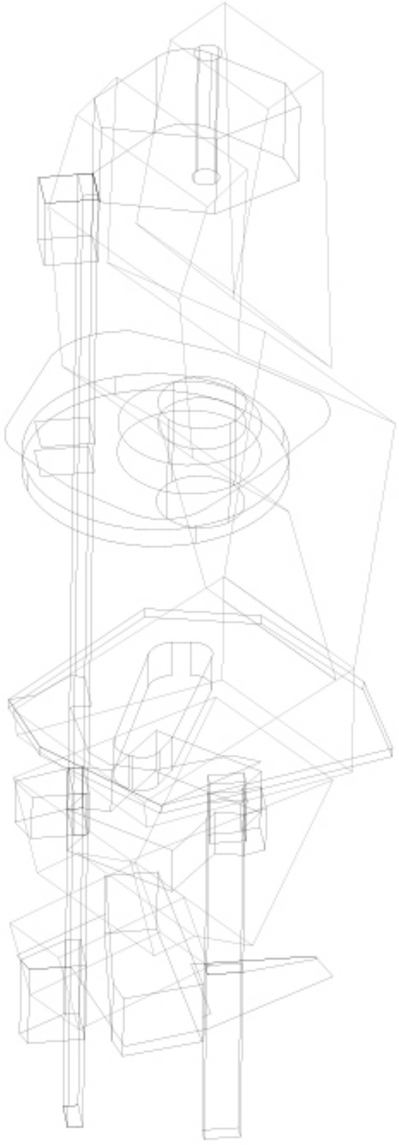




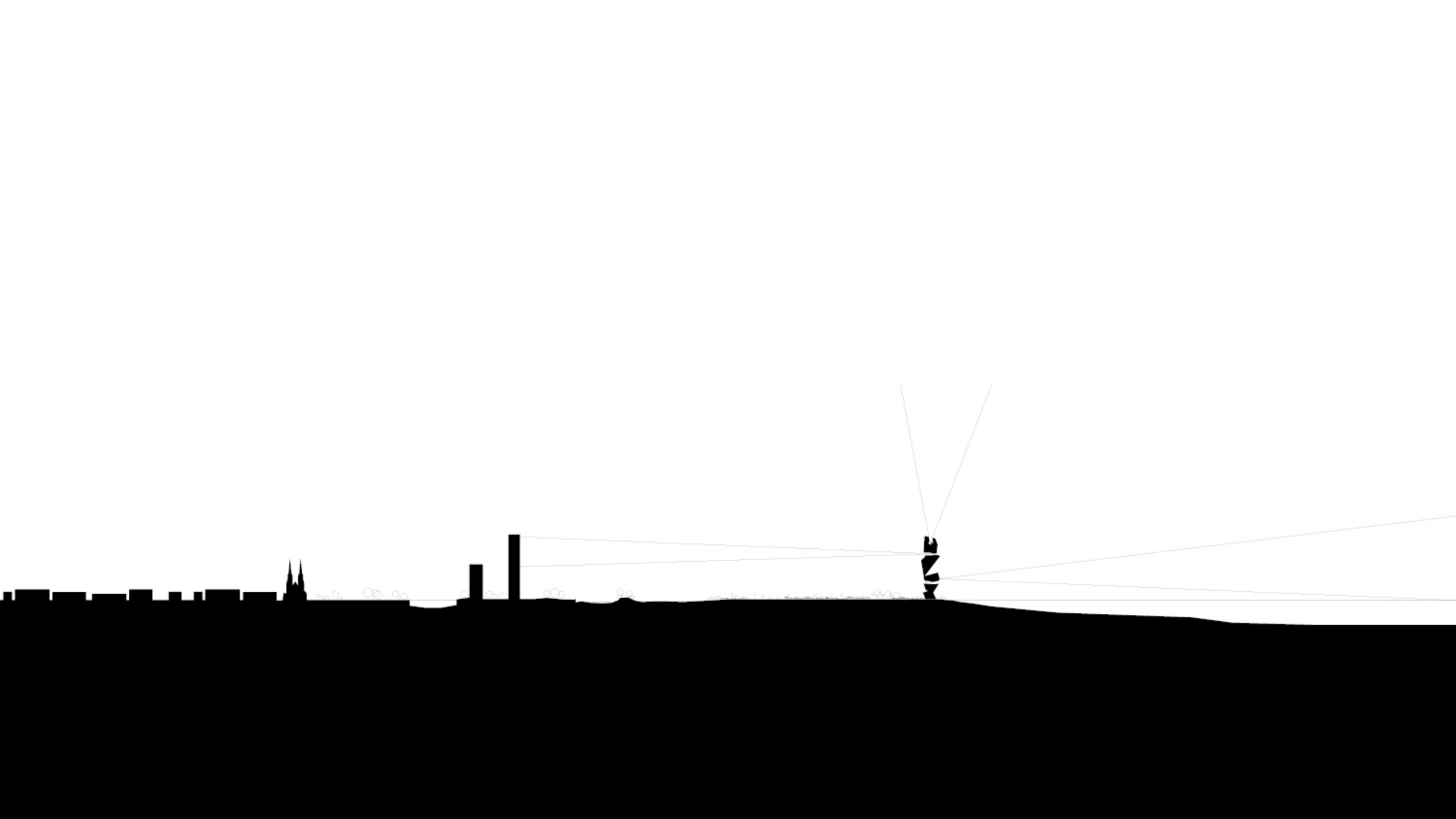
Program

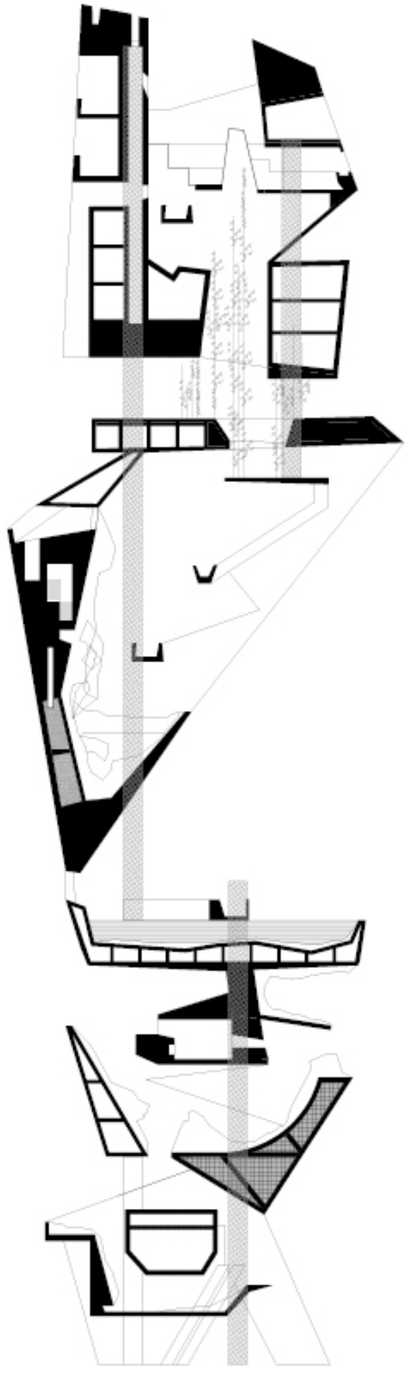


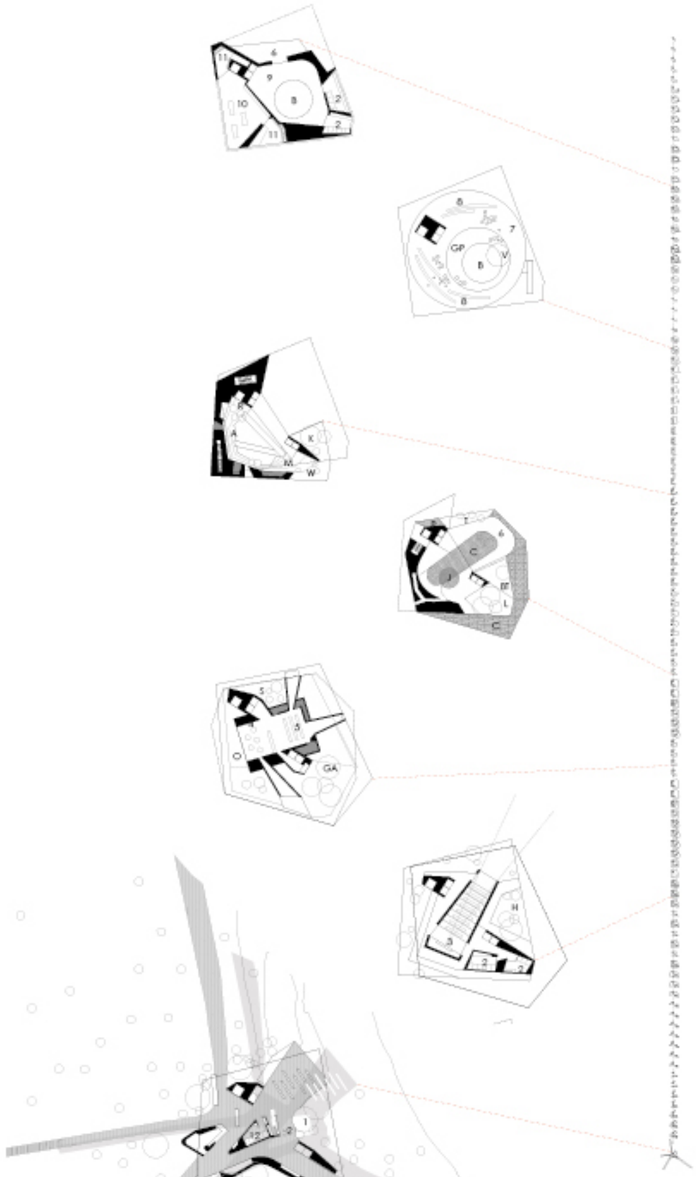
Massing



Circulation

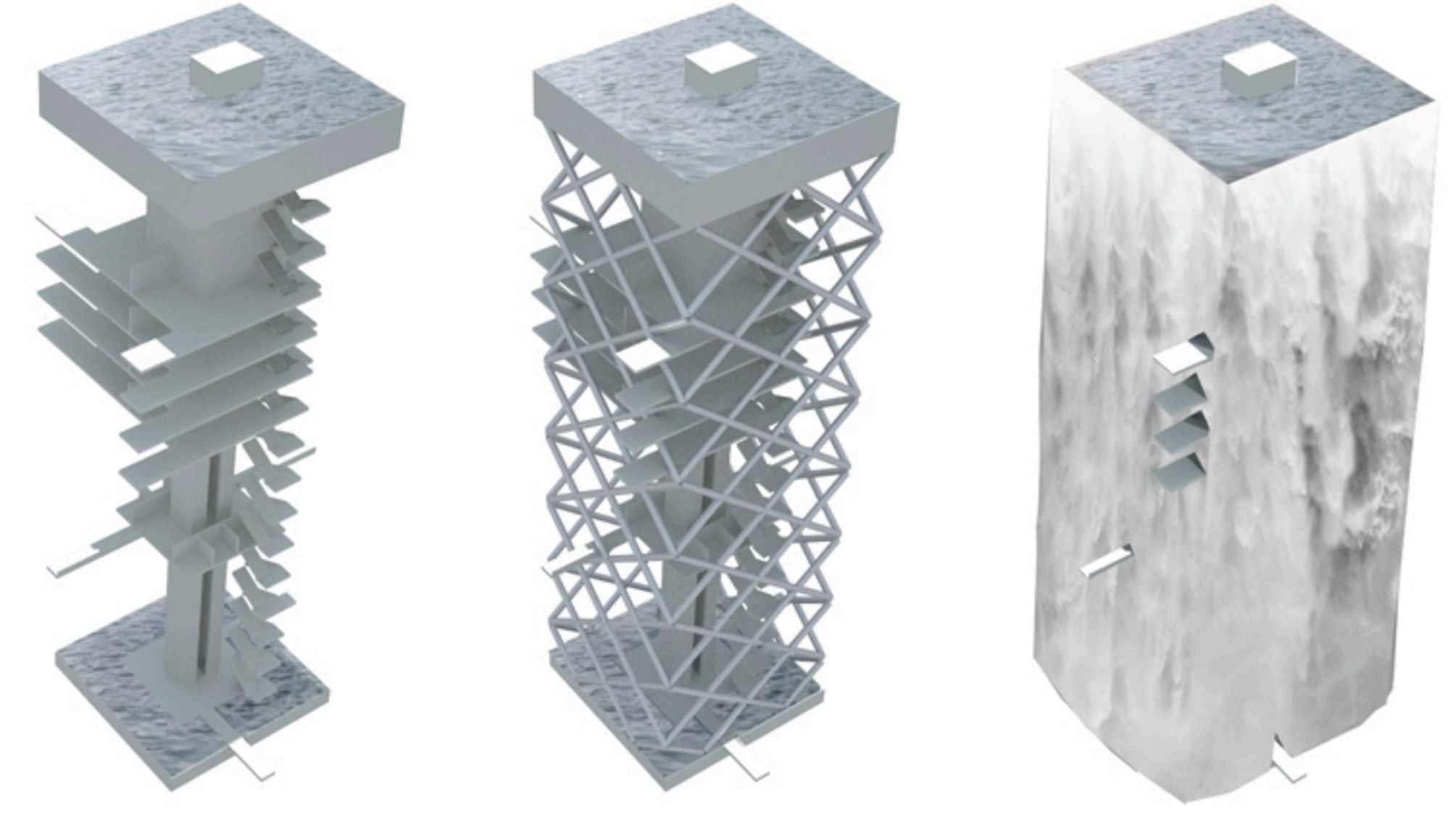


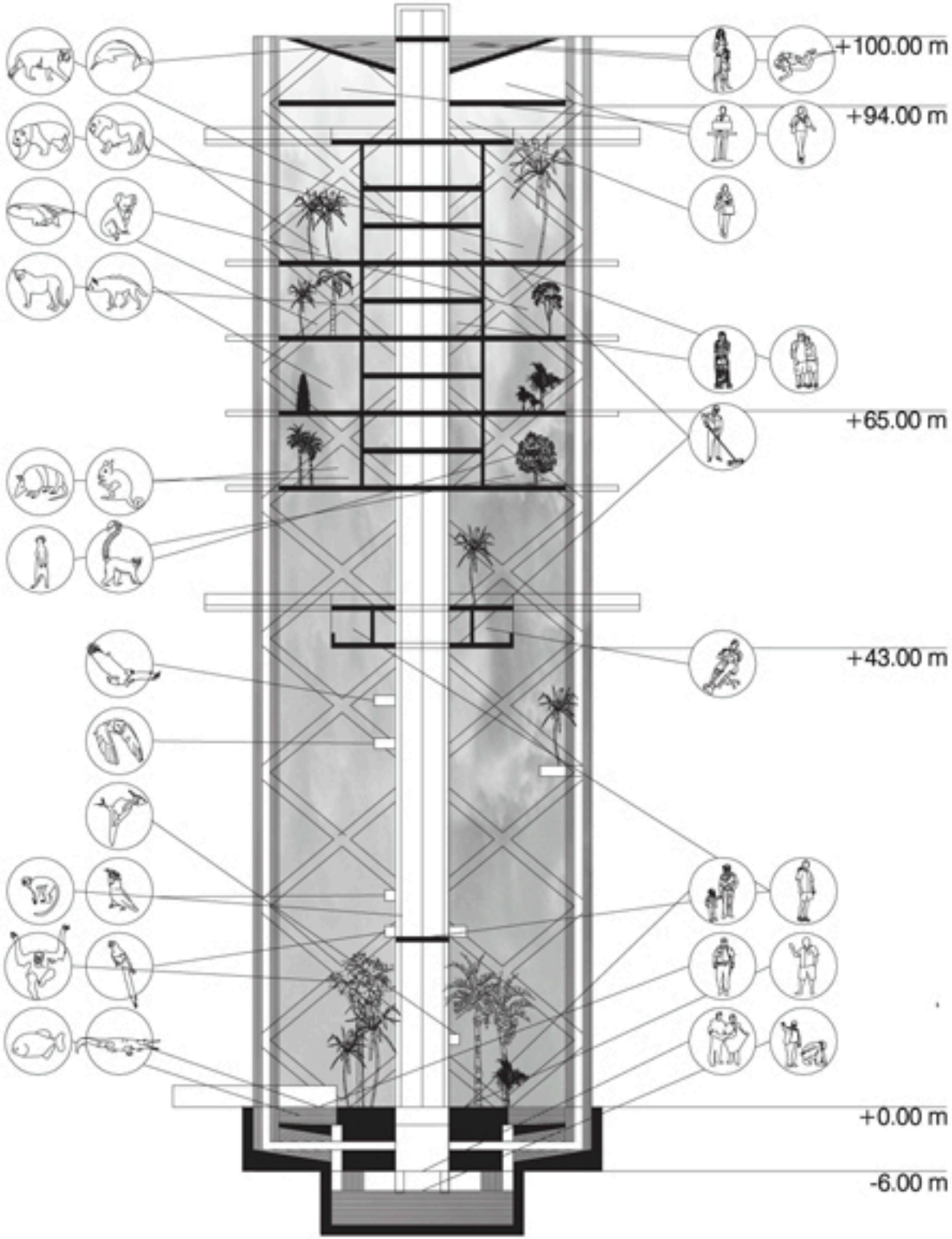




1 ENTRANCE
2 RESTROOMS
3 AUDITORIUM
4 SMALL CAFE
5 SOUVENIR SHOP
6 SMALL OBSERVATION DECK
7 360 OBSERVATION DECK
8 LARGER CAFE
9 MULTI USE SALON
10 STAFF SERVICES
11 STAFF CHANGING ROOMS
12 ADMINISTRATION

A ARMADILLO
AL AFRICAN LION
B BIRDS + BUTTERFLIES
BT BENGAL TIGER
C CROCODILE
F FIREFLY
GA GIANT ANTEATER
GP GIANT PANDA
H HYENA
J JELLYFISH
K KOALA
L LEOPARD
M MEERKAT
O ORANGUTAN
P PLATYPUS
R RING-TAILED LEMUR
S SQUIRREL MONKEY
T TAPIR
V VIZCACHA
W WALLACE'S FLYING FROG

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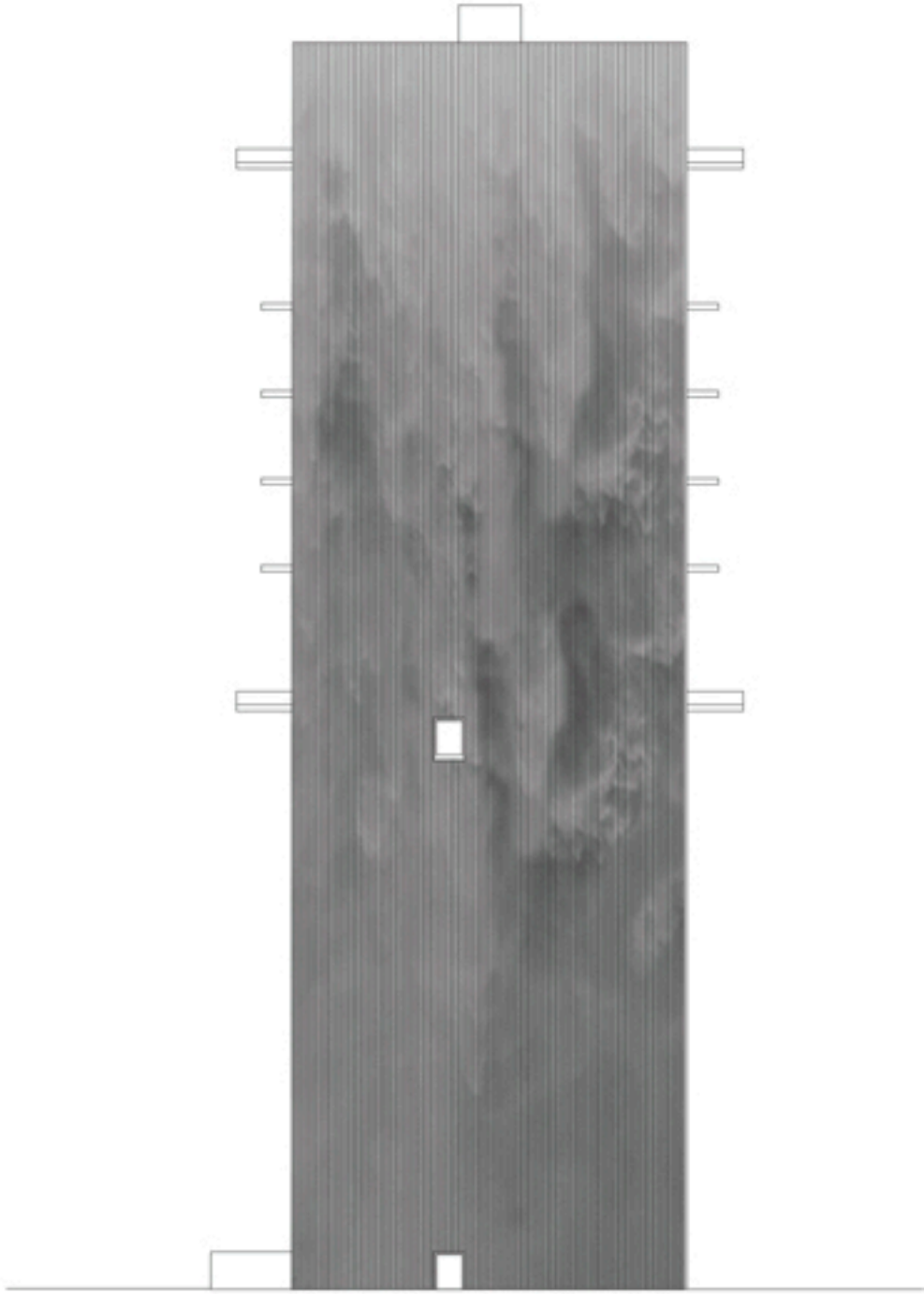
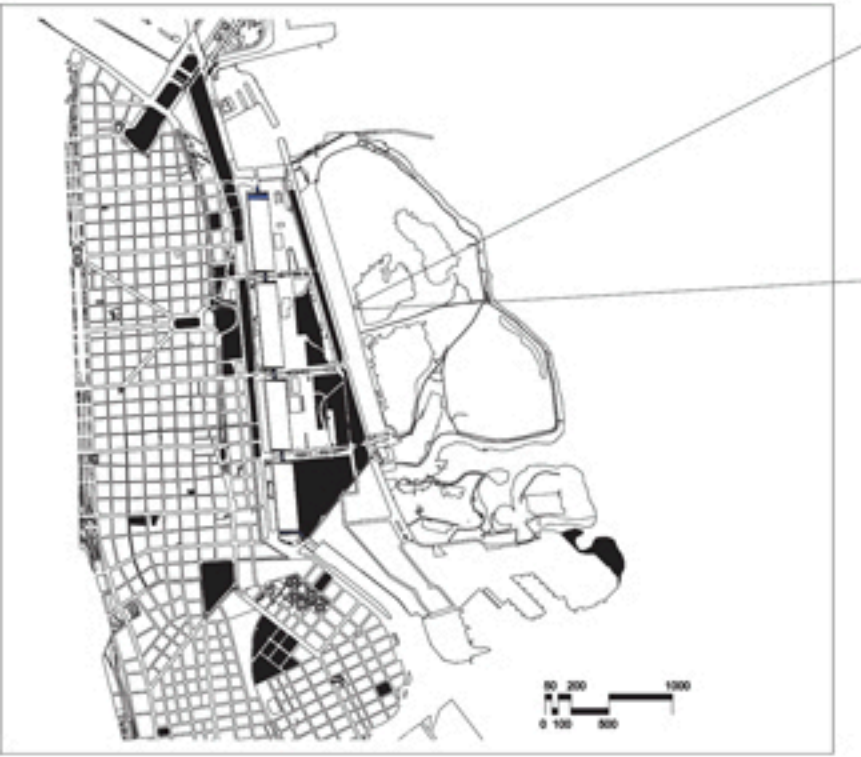
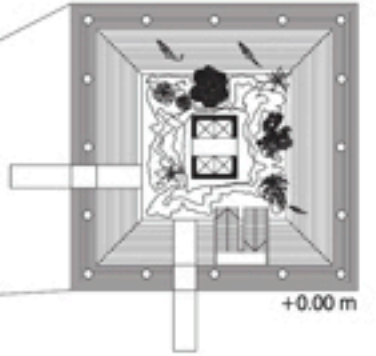
+94.00 m
+65.00 m
+43.00 m
+0.00 m
-6.00 m



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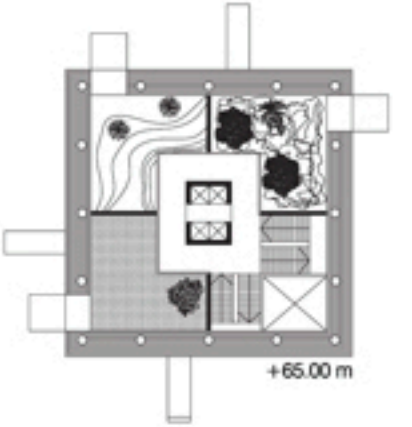
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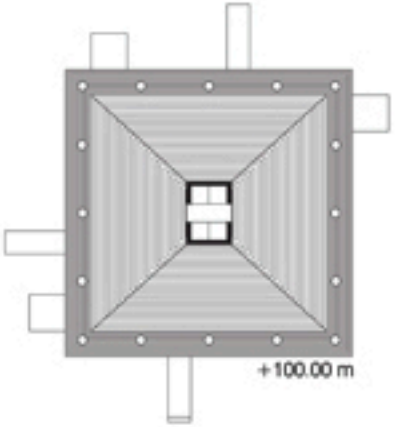
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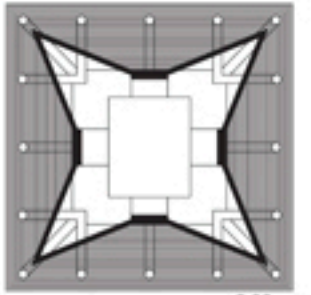
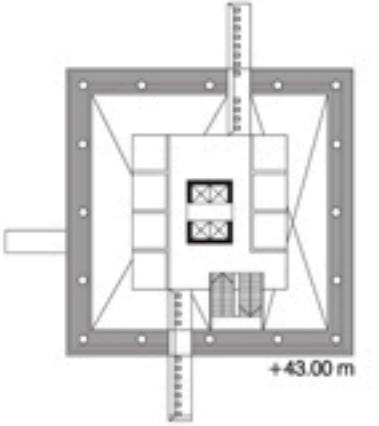

-6.00 m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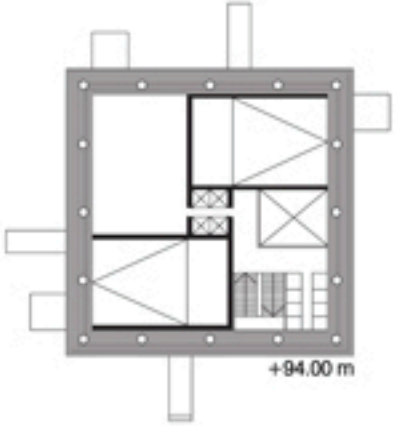
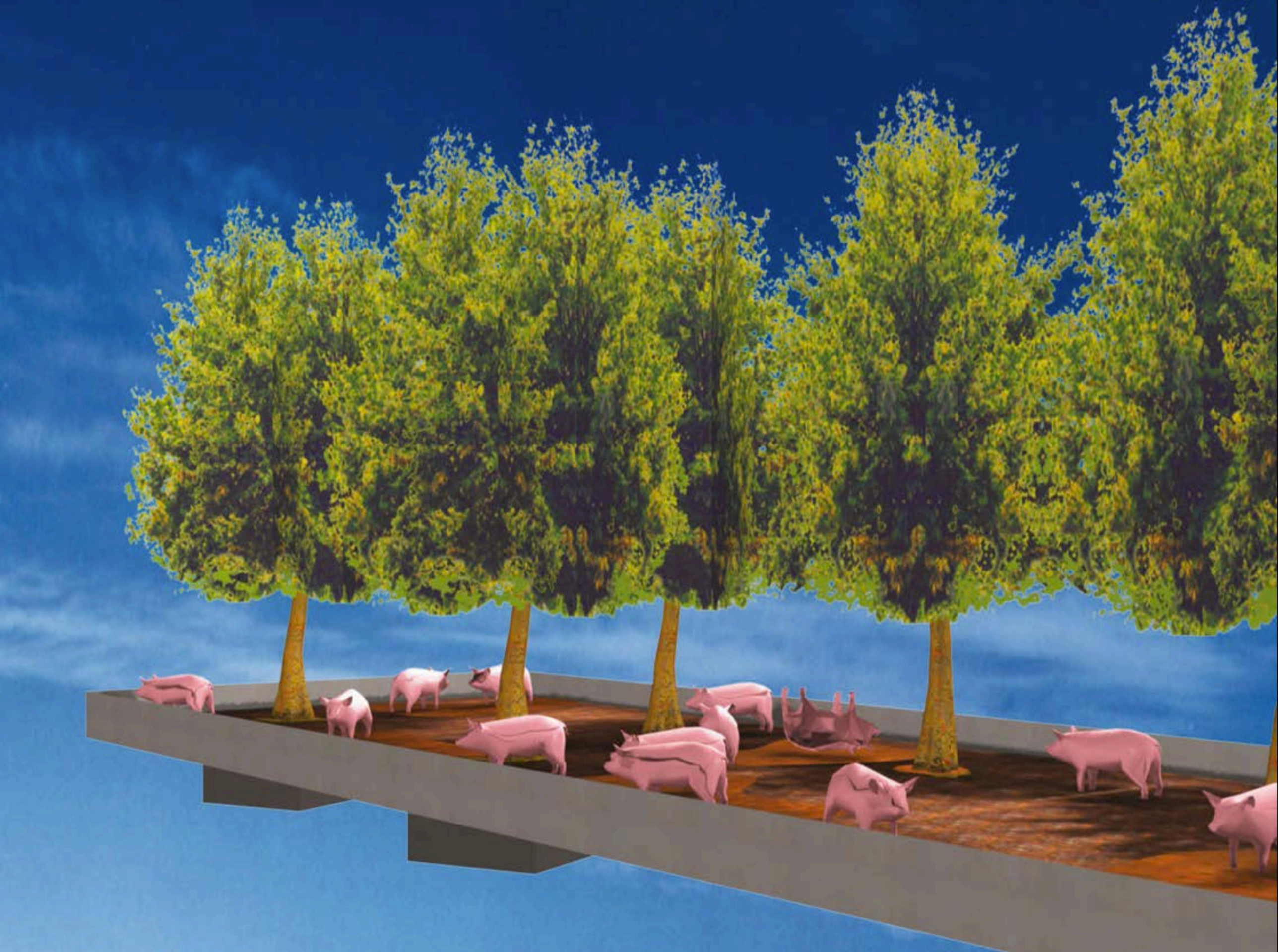
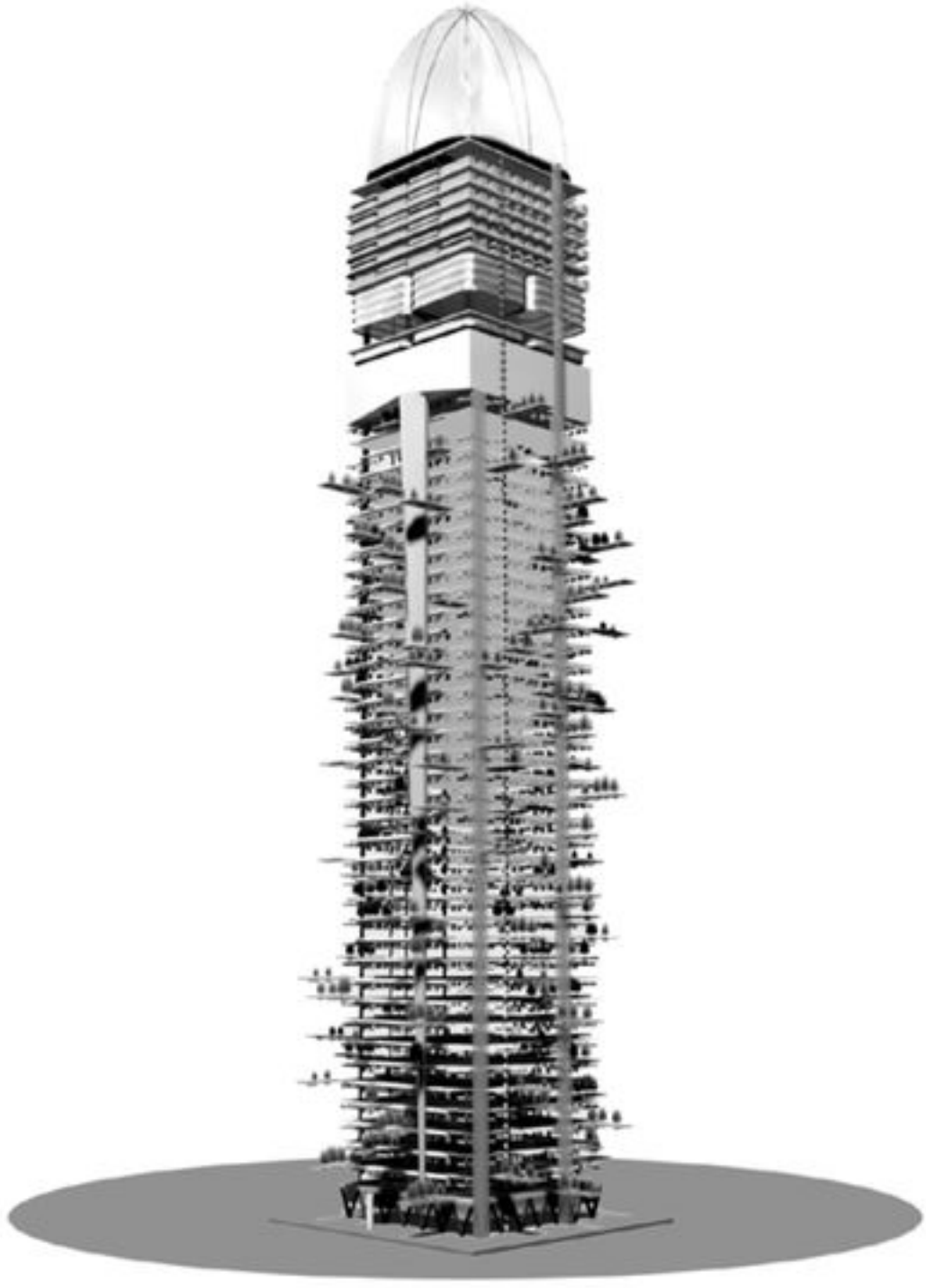
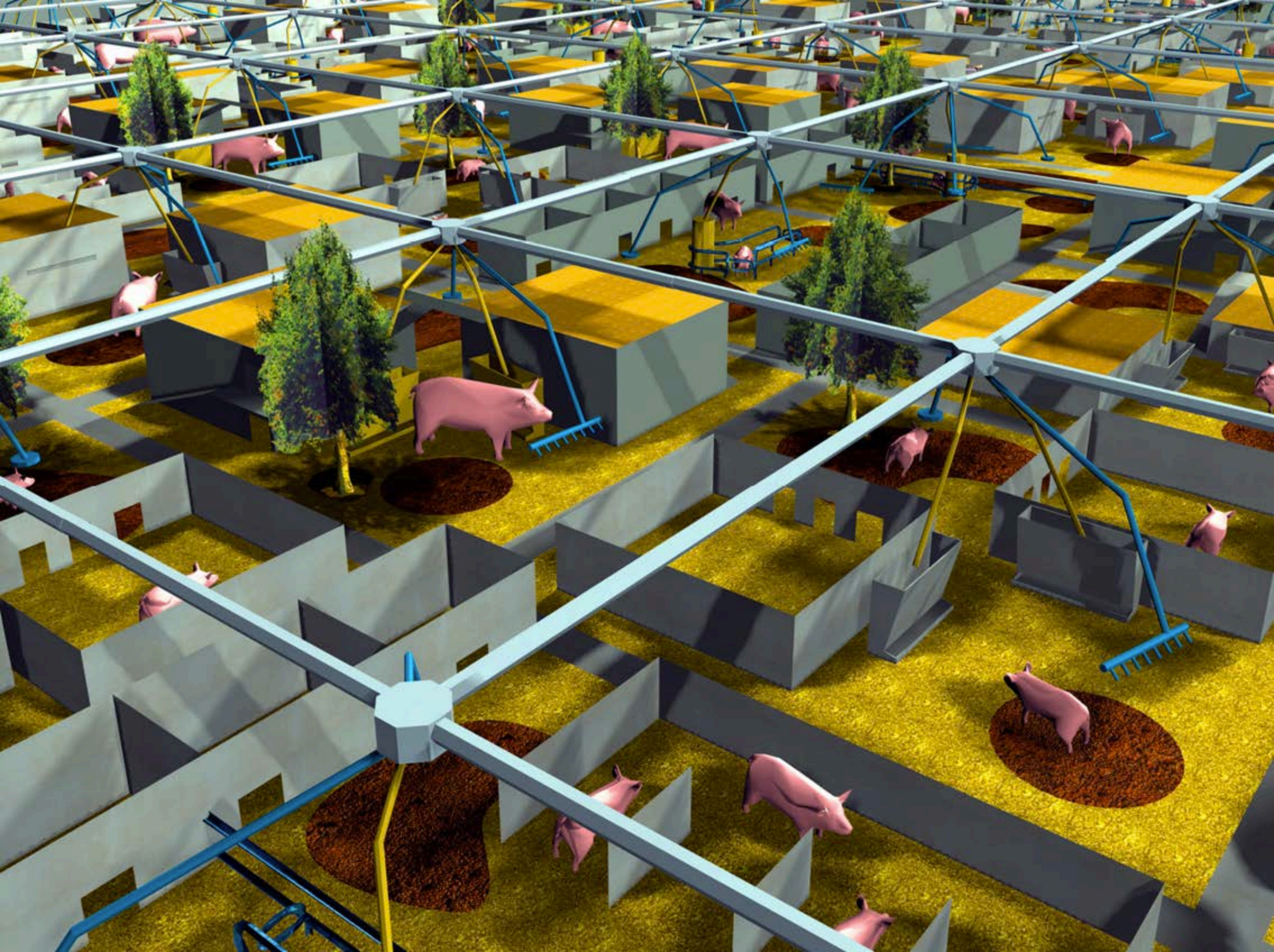

+94.00 m

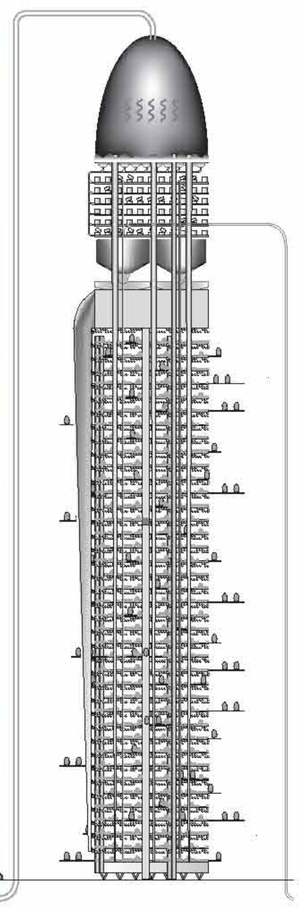

HOLLYWOOD



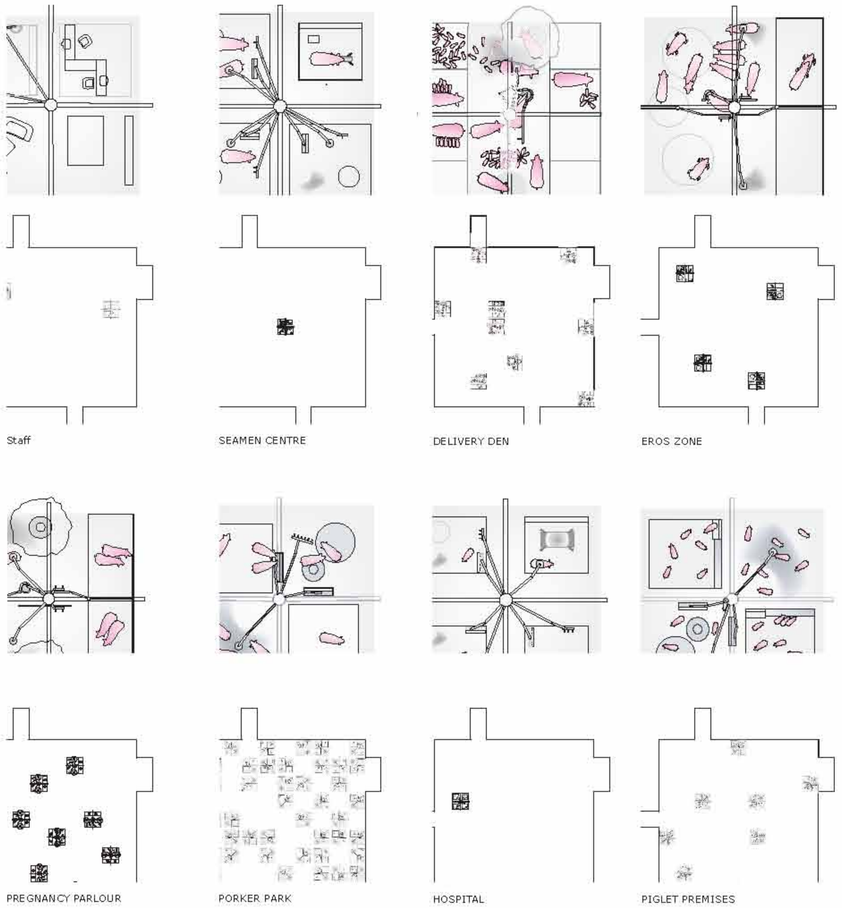




VIEW OF PIG TOWERS IN THE GREEN HEART AREA



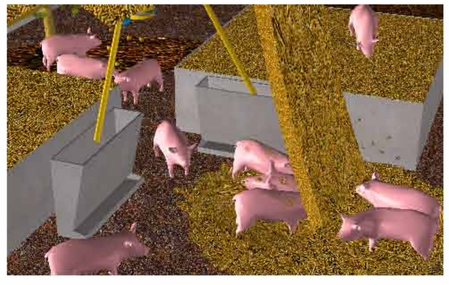
ELEVATION OF PIG TOWER



PROGRAM DIAGRAMS

IMAGE OF PIG FARM

VIEW LOOKING DOWN ON THE PIG TOWER



ADDITIONAL IMAGES OF THE PIG FARM

TOTAL FARM AREA

Area required for each function:

Eros Zone	81	m^2
Pregnancy Parlour	972	m^2
Delivery Den	567	m^2
Semen Center	81	m^2
Piglet Premises	567	m^2
Porker Park	3,969	m^2
Hospital	162	m^2
Staff	162	m^2
Truffle Gardens (outside)	729	m^2
Traffic area	1,008	m^2
Total net floor area	*8,298*	*m^2*
Total gross floor area	*10,000*	*m^2*

"Imagine the entire export of pigs concentrated in one location with 44 towers housing over 4 million pigs: a genuine Pig City"

With a production of 16.5 million tons of pork, The Netherlands is the chief exporter of pork within the European Union. In 1999, 15.2 million pigs and 15.5 million humans officially inhabited The Netherlands. One pig typically needs 664 m^2 of land for current processing: composed of 50% intensive grain production and 50% industrial by-products.

In the case of organic farming, pigs are fed with 100% organic grain. This increases land intensity by 130% due to the reduced grain yield. This increases the area needed to 1,726 m^2 per pig, including organic food processing. If all 15.2 million pigs were farmed this way, 75 % of the land area of the Netherlands would be dedicated to pigs.

Is it possible to combine organic farming with a further concentration of the production activities so that there is enough space for other activities? Is it possible to compact all the pig production within concentrated farms, therefore avoiding unnecessary transportation and distribution, and thereby reducing the spread of diseases? Can we, through concentrated farming, create the economical critical mass to allow for a communal slaughterhouse, a self-sufficient fertiliser recycler, and a central food core, so as to solve the various problems found in the pig-industry?

Pig City proposes **44** Pig Towers which would produce enough pork to maintain the present export levels from The Netherlands. These towers would take up just over 5 percent of Dutch land area, when taking the surrounding reed fields into account. To minimise transportation, the towers would be positioned near a harbor.

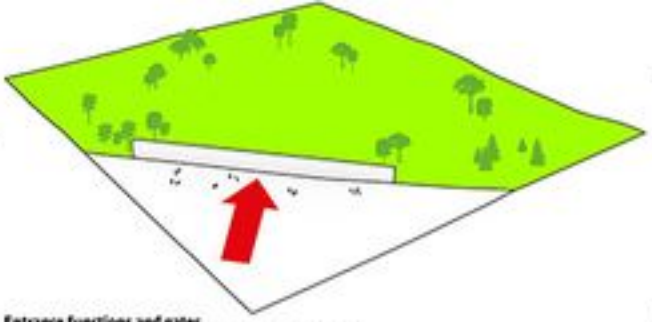
Each tower can feed half a million people, so 31 Pig Towers would be needed to supply the Dutch population with sufficient meat. Ten of the towers should be positioned inside the so-called Green Heart - an agricultural area within the urban agglomeration of the Western Netherlands. The remaining 20 towers can be distributed more or less equally throughout the rest of The Netherlands.

Images & text courtesy of Paula van Baak and Winy Maas, MVRDV

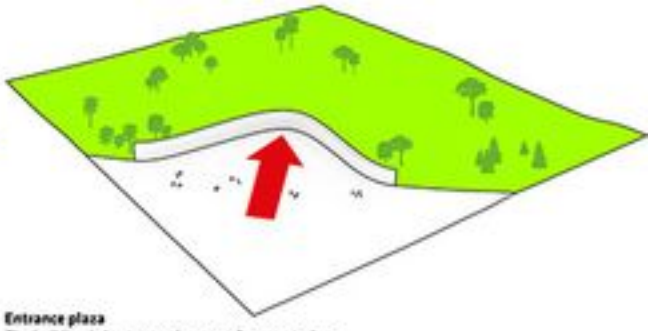
PIG CITY

THE NETHERLANDS
Architect: MVRDV

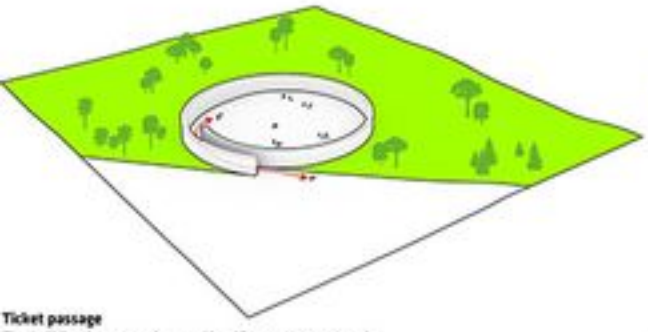
Denmark vs. Zootopia
How can we create a new entrance for Zootopia where all the public functions: restaurant, shop, ticket sale, toilettes etc. are integrated and at the same time can give the visitor a easy overview of the park and where to go?



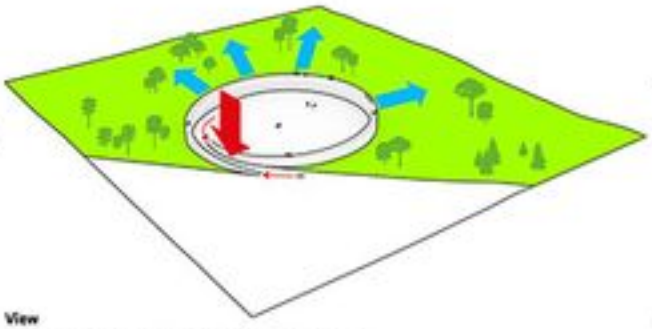
Entrance functions and gates
The functions are spread out along the border between Zootopia and the rest of Denmark.



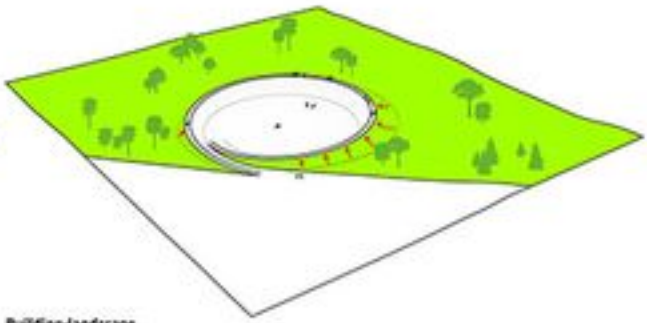
Entrance plaza
The building is bent to make space for a central arrival square.



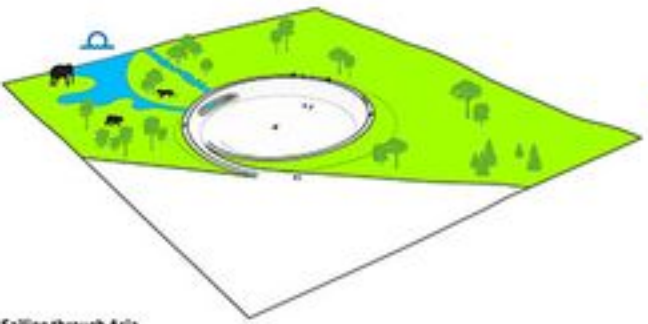
Ticket passage
The building is wrapped around itself to create a natural entrance gate.



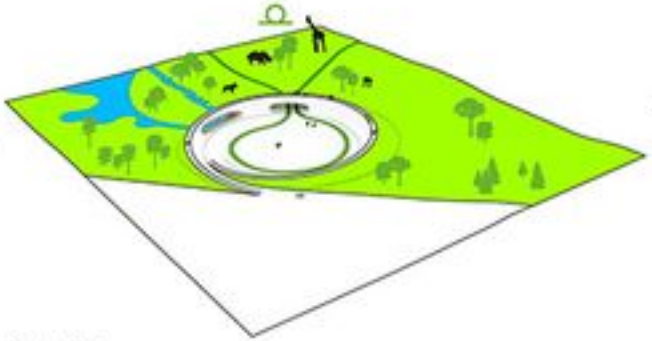
View
When arriving to Zootopia the visitor can either choose to climb the arrival building and get an overview of the park or to walk straight into the central square.



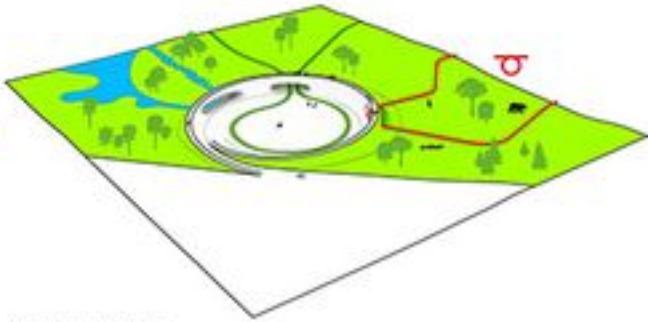
Building-landscape
The arrival building and main square are hard paved on the inside and blending into the landscape on the Zootopia side.



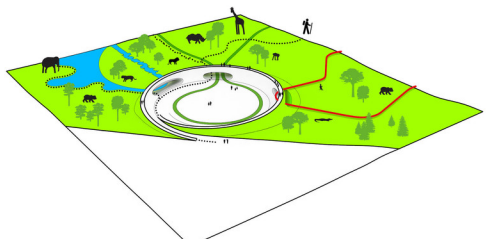
Sailing through Asia
The entrance to each of the continents is done thought 3 different gates in various heights.
Access to Asia is 1 floor down at the river.



Biking in Africa
The entrance to Africa is straight from the central square to the heart of the park - the Lion enclosure.



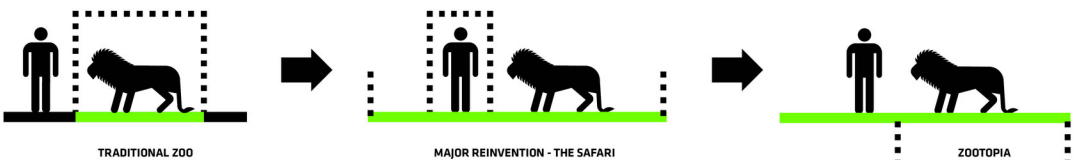
Flying through America
To enter America you will have to get 1 floor up to fly across the continent.



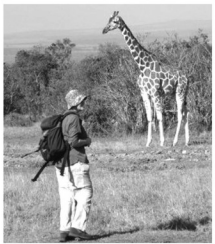
10. Hike
There will be one long hike across all 3 continents, starting with the loop along the entrance building. The hike is 4 km long.


asia

HOW TO REINVENT THE ZOO SAFARI?



ON GROUND, WATER OR IN THE AIR



1. On ground - hiking...

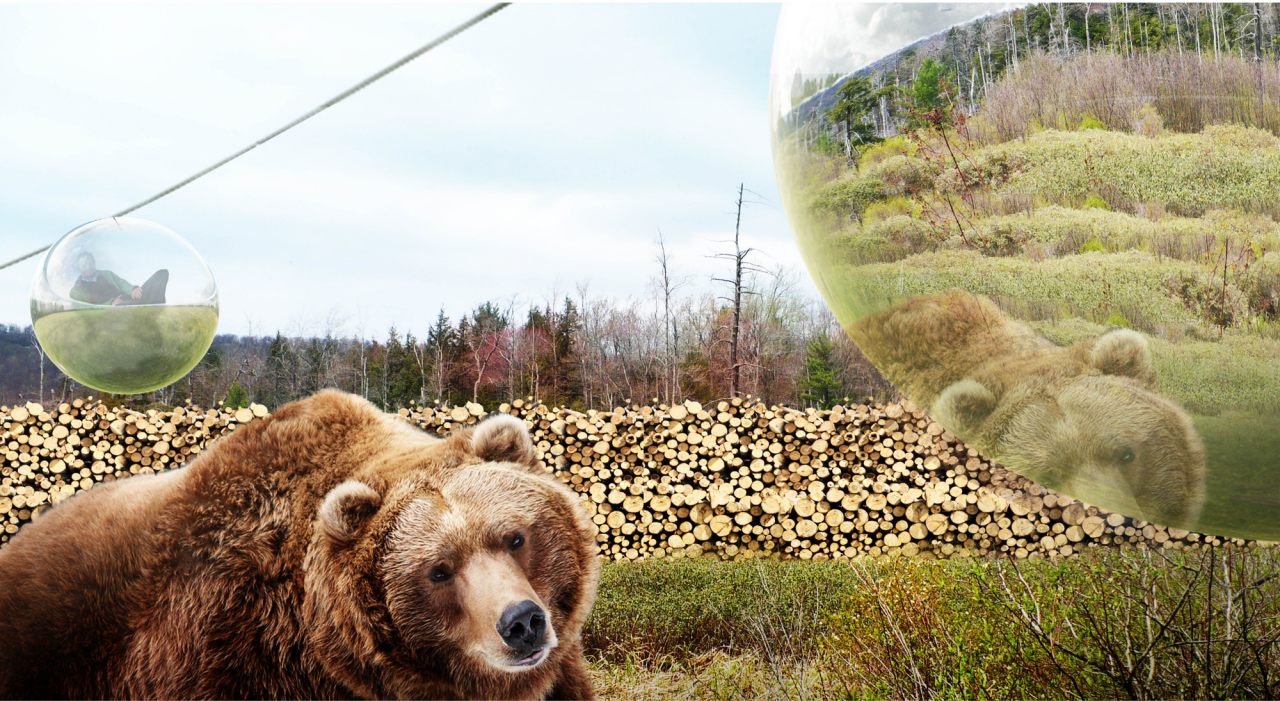
...bike safari...

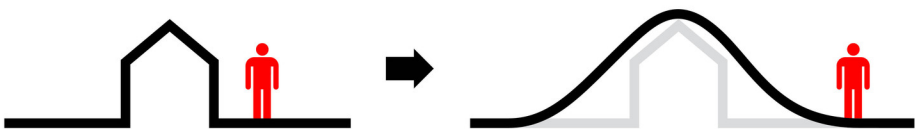
...or car safari

2. By boat - boat safari

3. In the air - flying safari


airica

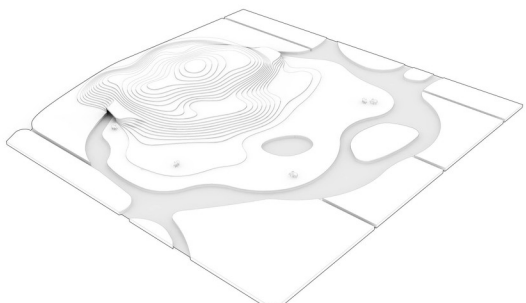




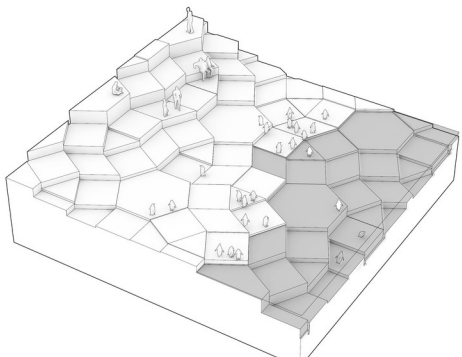
ARCHITECTURE

Instead of copying the architecture from the various continents by doing vernacular architecture, we propose to integrate and hide the buildings as much as possible in the landscape. We would like to build homes for the animals that are both tailor-made especially for them and at the same time has the qualities from their original surroundings.

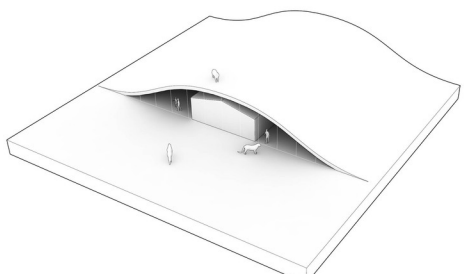
The Elephant house could be a small hill of rice fields, the huts by the bears would be in between a stack of lumber and there could be small cottages build into the safari-crater on the savannah.



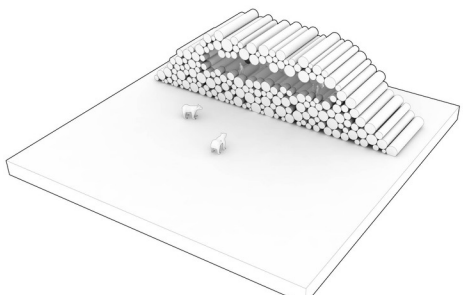
1. ELEPHANT RICE FIELD ENCLOSURE



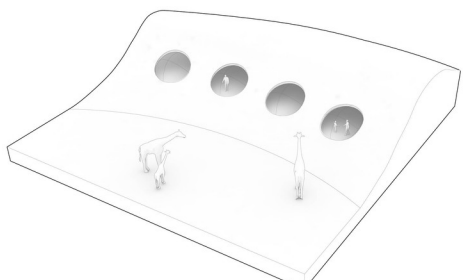
3. PENGUIN ROCK ENCLOSURE



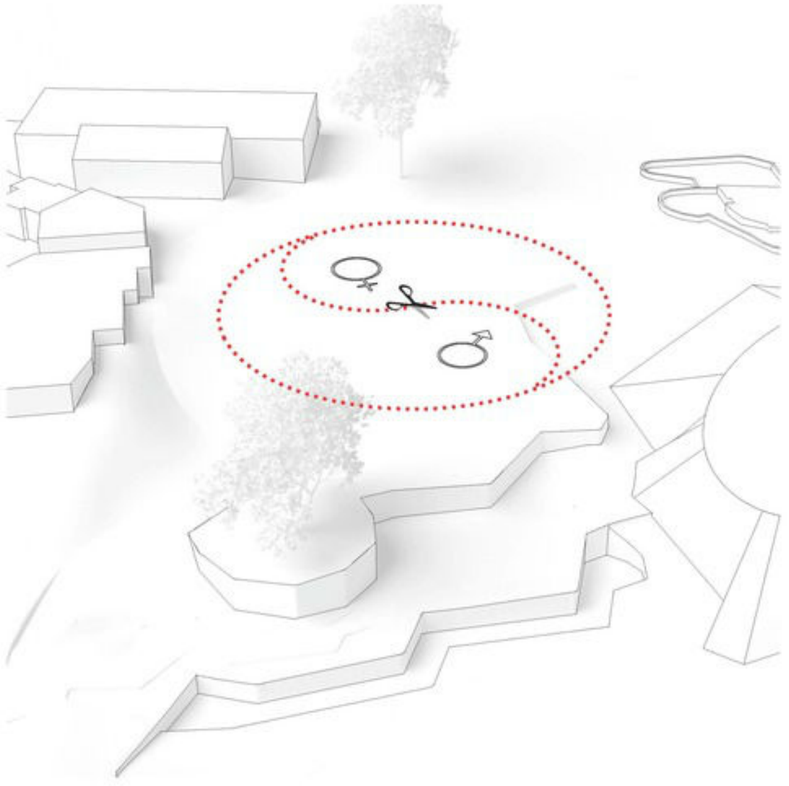
4. LION HILL ENCLOSURE



6. BEAR LUMBER ENCLOSURE AND HUTS

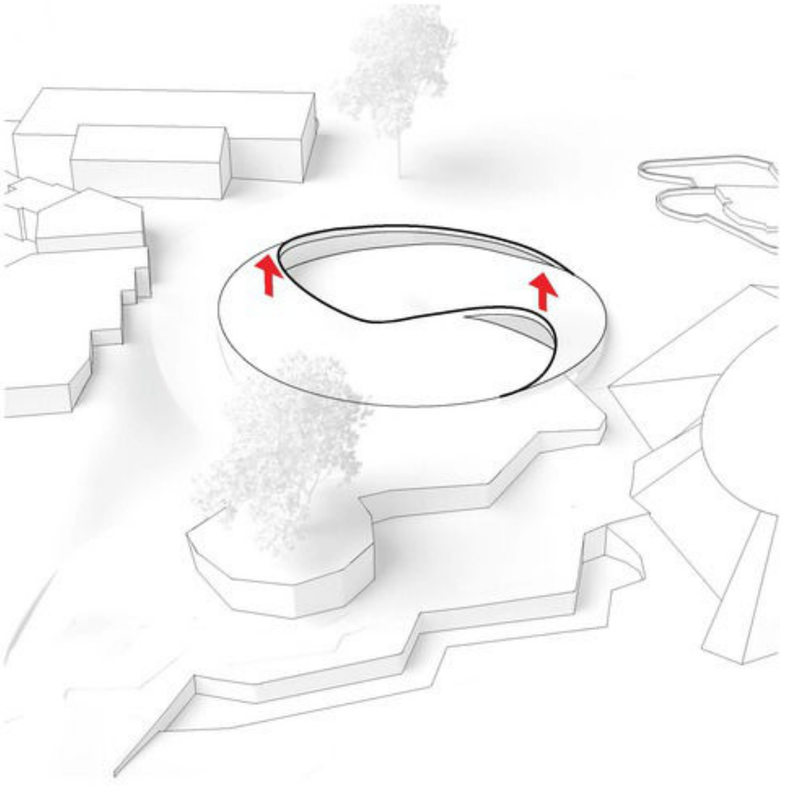


7. SAVANNAH CRATER LODGES



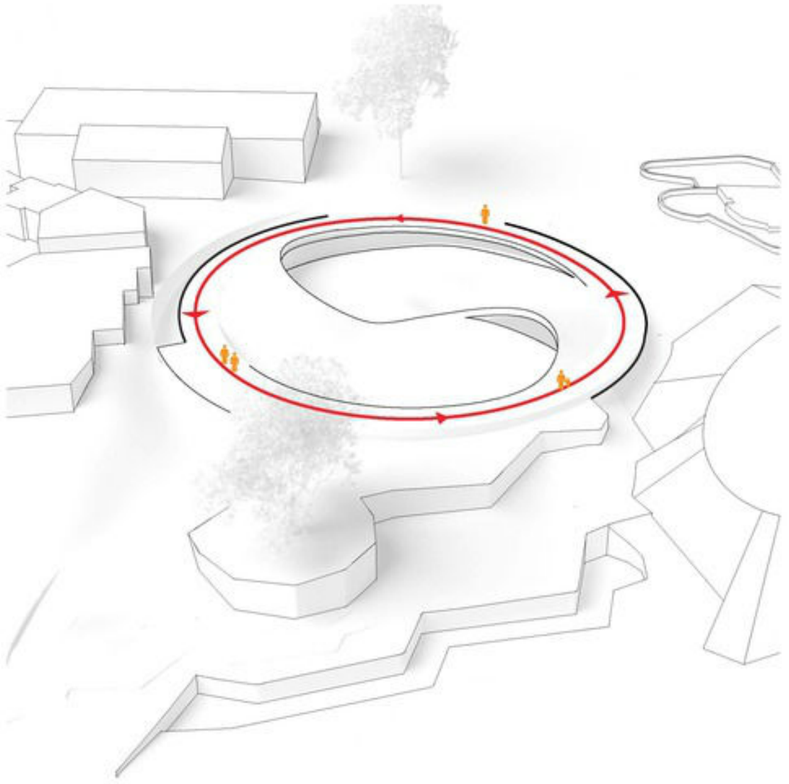
2 PANDAS

The circular shape fits perfectly between the existing buildings. The site is divided into two sites, following the ying and yang symbol and creating separate enclosures for male and female Pandas.



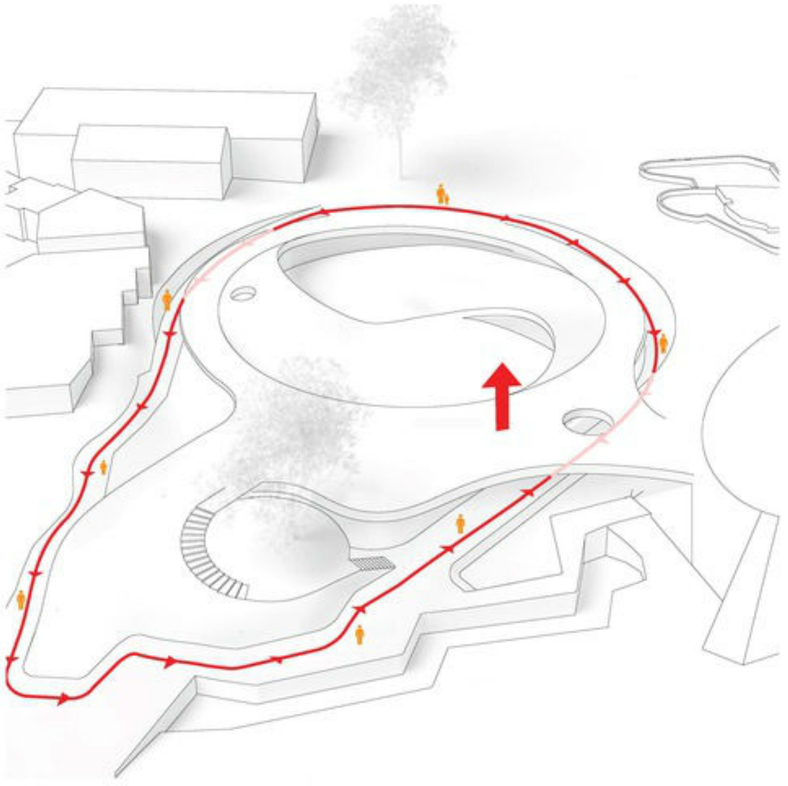
INTEGRATED STABLES

The architectural parts of the earth are lifted to form space for stables belowground. A natural slope is created, enabling visitors to face the Pandas as much as possible.



MAIN LOOP

The visitors' circulation is along the perimeter of the rounded facility. There are two downward inclines allowing visibility into the Pandas' interior backfunctions such as training facilities, bamboo coolers, etc.



RESTAURANT

With the restaurant located between Panda House and the elephants' enclosure, visitors can simultaneously observe both sights over a meal.

PANDA OBSERVATION CENTER

On one side, the lush landscape fuses seamlessly with the roofs of the elephants' house, and on the other, with bamboo forests as well as plants native to the Nordic region. The large, green centre gives visitors an opportunity to watch the Pandas from every angle and at various elevations.