

FAKT

Ljubljana, 17.02.17

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Sebastian Ernst, Sebastian Kern,
Martin Tessarz, Jonas Tratz

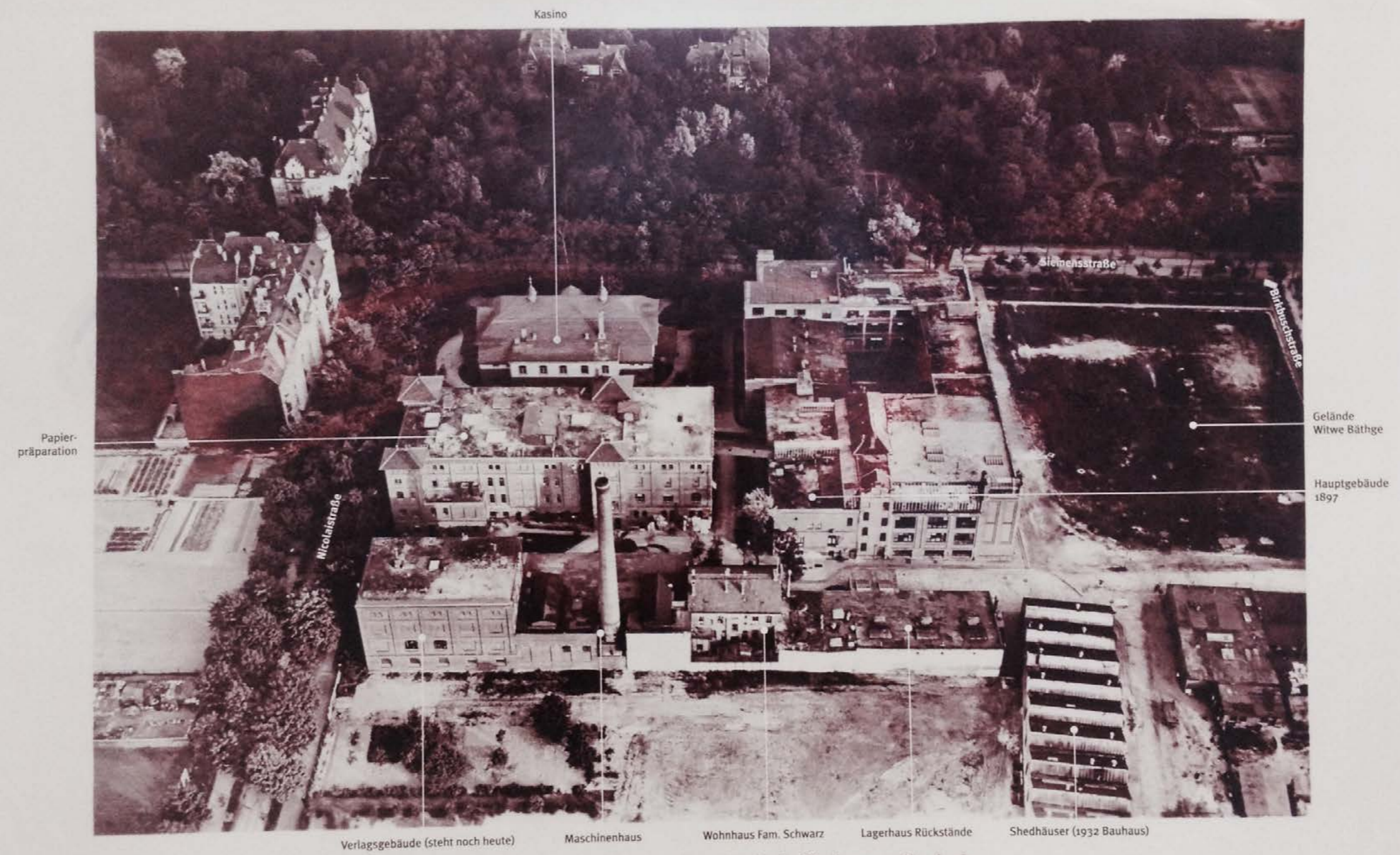
The background of the image is a close-up of a marble surface. It features a complex pattern of light-colored, possibly white or cream, veins and spots against a darker, greyish background. The veins are irregular and flow in various directions, creating a rich, organic texture. The lighting appears to come from the upper left, casting soft shadows and highlighting the glossy surface of the marble.

Urban Arcadia

The background of the image is a classic marbled paper pattern, often used in book endpapers. It features a complex, organic design with swirling, vein-like patterns in shades of light gray, off-white, and pale green. The overall effect is reminiscent of natural stone or biological tissue. Centered over this pattern is the text "Another Nature" in a bold, green, sans-serif typeface.

Another Nature

Rotations-Photographie auf Bromsilber-Papier „Bromaryt III“



Neue Photographische Gesellschaft Aktiengesellschaft,
Berlin-Steglitz
aufgenommen vom Zeppelin-Luftschiff „Hansa“ Sommer 1913

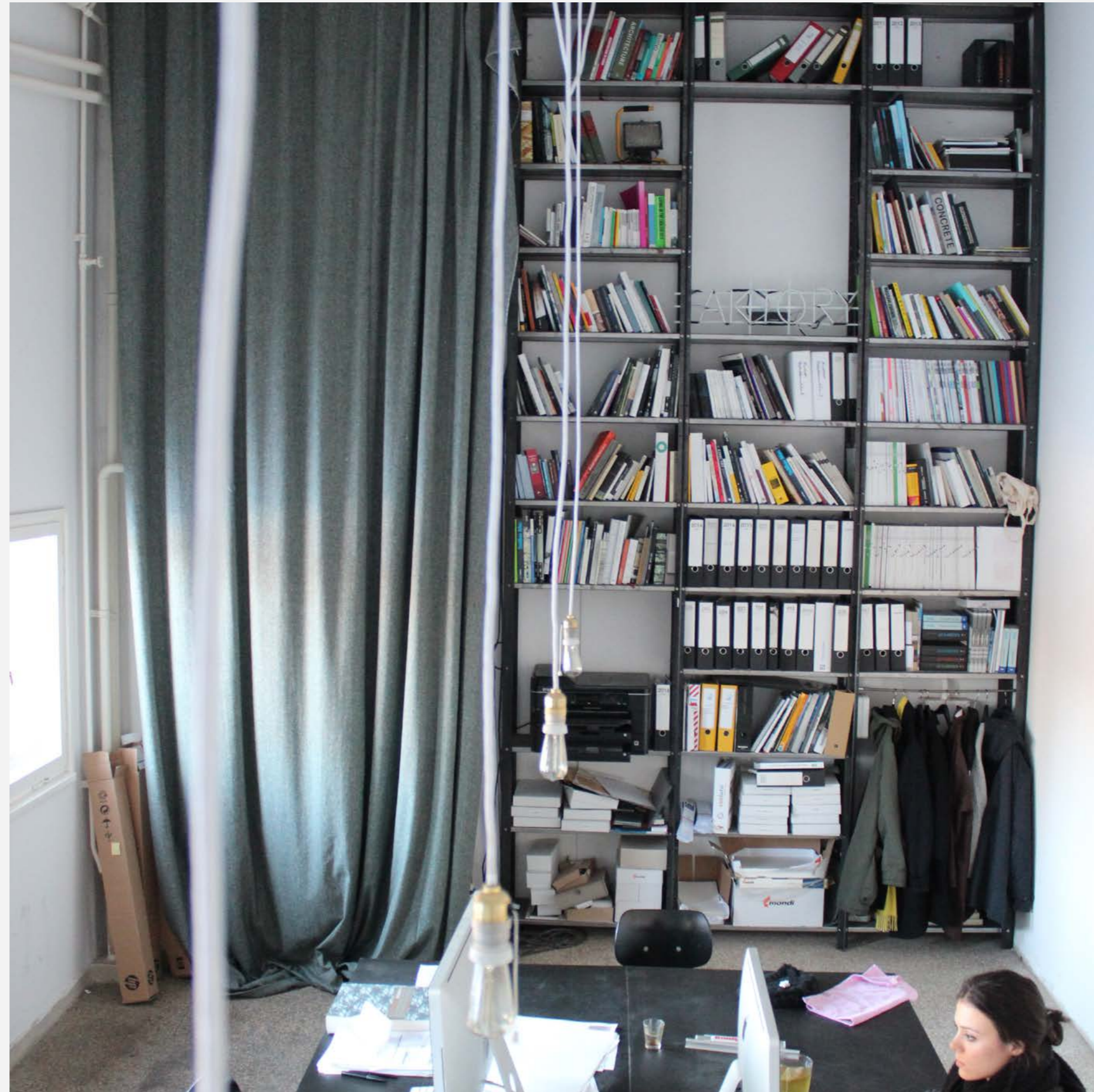
site plan factory







main hall



office



workshop





Another Nature

The background is a high-contrast, black and white marble pattern. The veins are intricate and organic, creating a complex, web-like texture. The text is centered and rendered in a clean, white, sans-serif font.

stop talking about objects
start talking about spaces



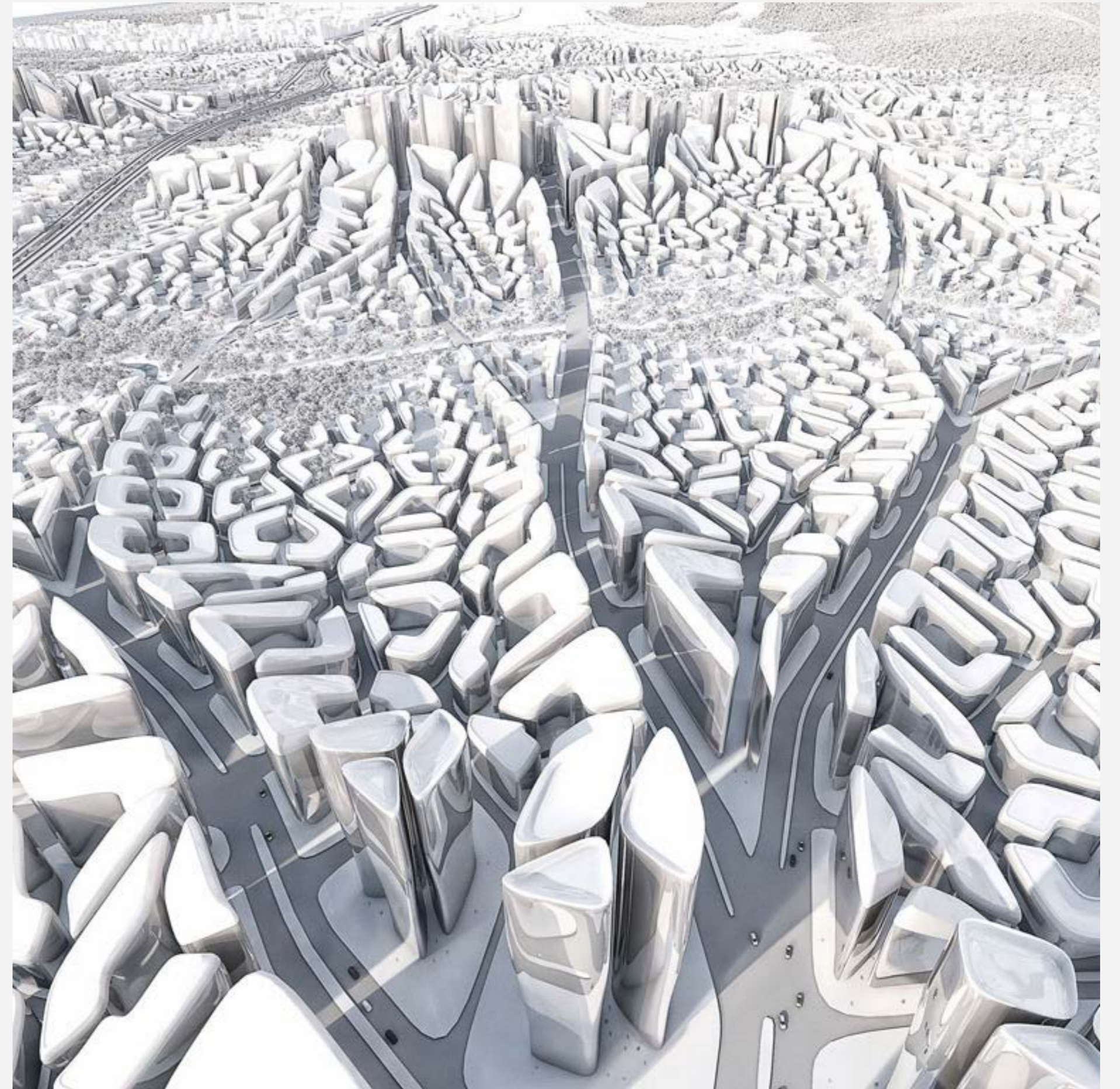
Kensington Olympia Exhibition, 1889



Italian Futurist Fortunato Depero, 1915



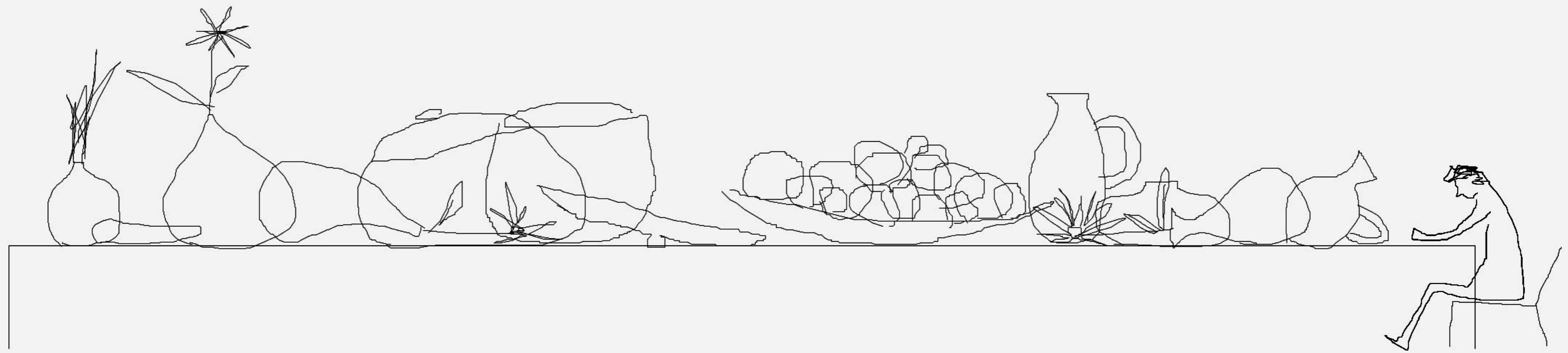
Adam Caruso ETH, 2015



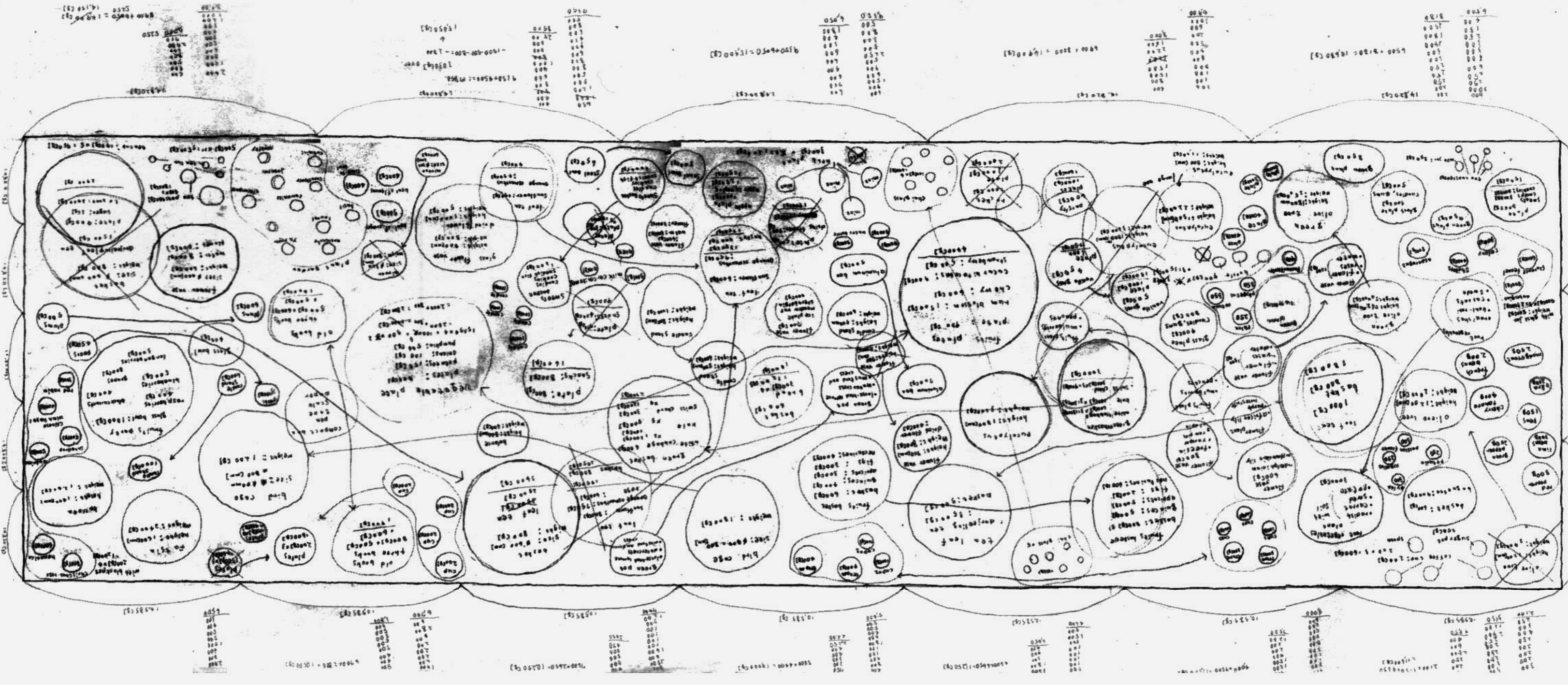
Patrik Schumacher, 2012



epiphany



„table“ Junya Ishigami



Handwritten notes and data tables at the top left of the page, including a small table with columns of numbers and some text.

Handwritten notes and data tables at the top center of the page, including a small table with columns of numbers and some text.

Handwritten notes and data tables at the top right of the page, including a small table with columns of numbers and some text.

Handwritten notes and data tables at the top right of the page, including a small table with columns of numbers and some text.

Handwritten notes and data tables at the top right of the page, including a small table with columns of numbers and some text.

Vertical handwritten notes on the left side of the page, including a small table with columns of numbers and some text.

Vertical handwritten notes on the right side of the page, including a small table with columns of numbers and some text.

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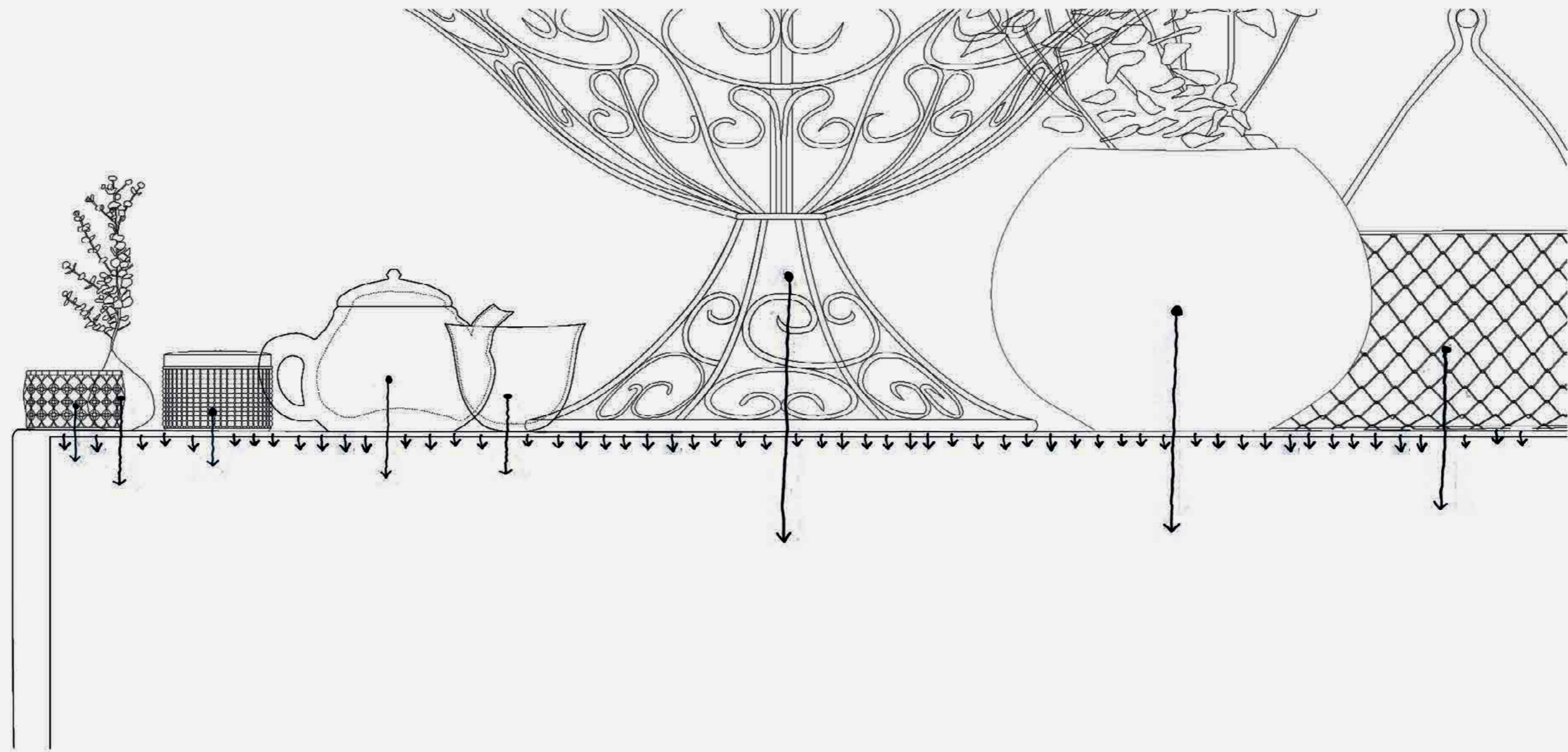
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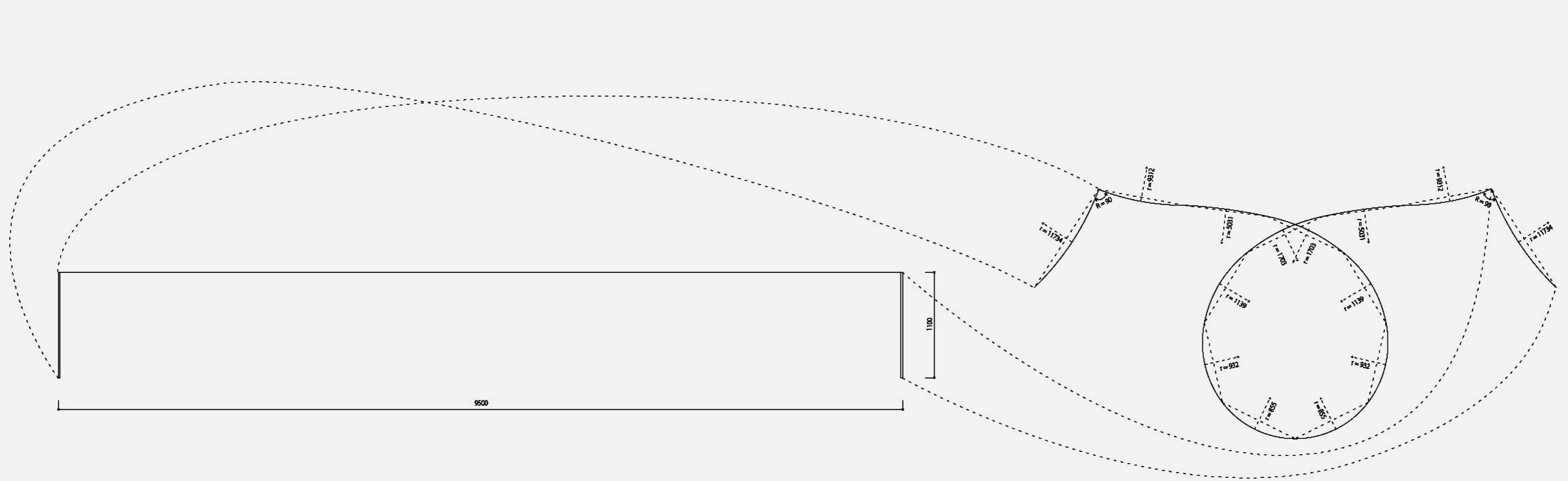
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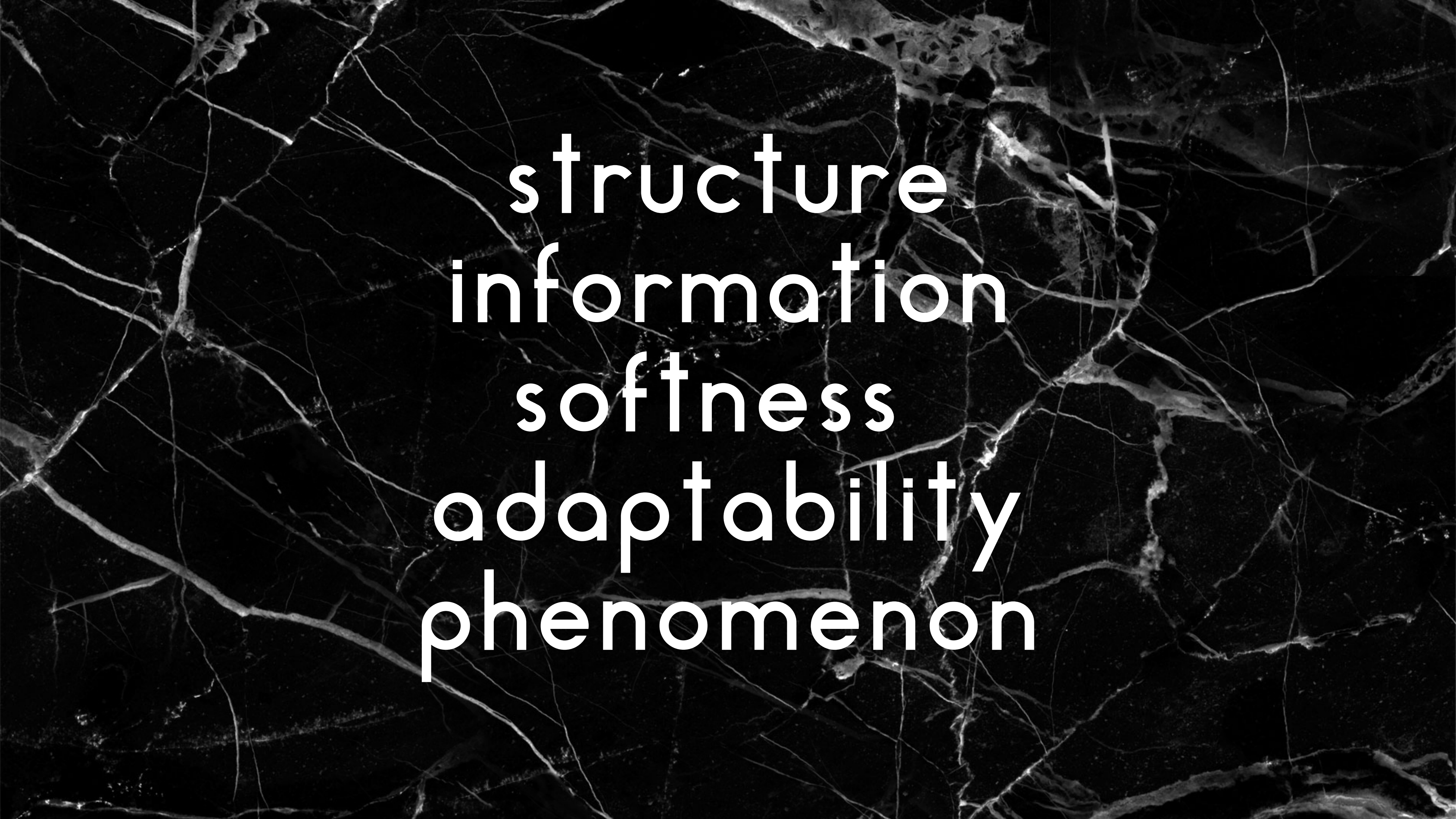
structural concept







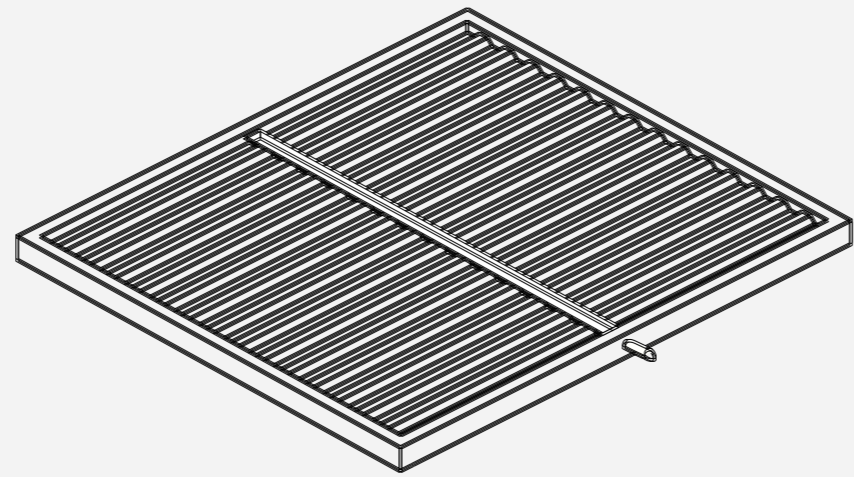




structure
information
softness
adaptability
phenomenon

nature as event

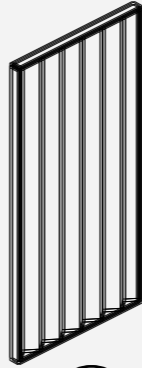
#20 IGA garden pavillions,
Berlin
construction ongoing
2016-



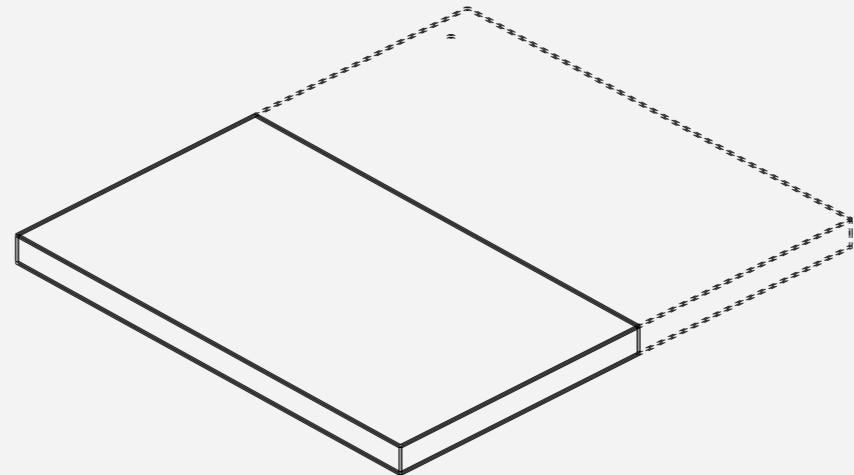
④



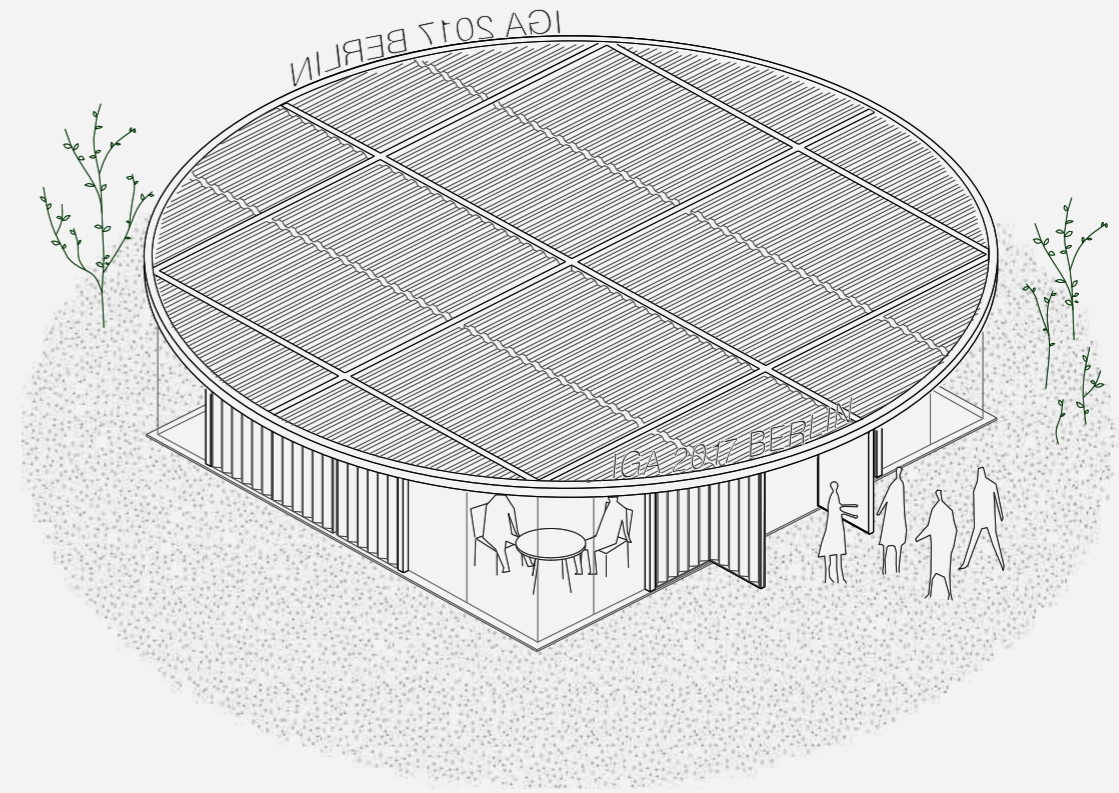
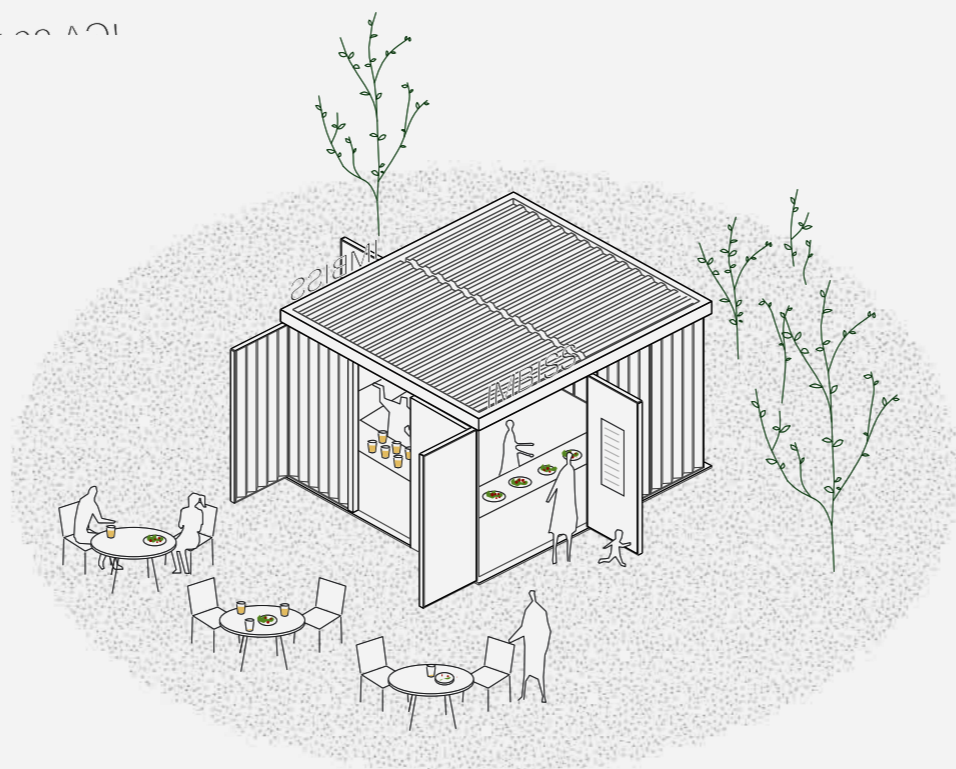
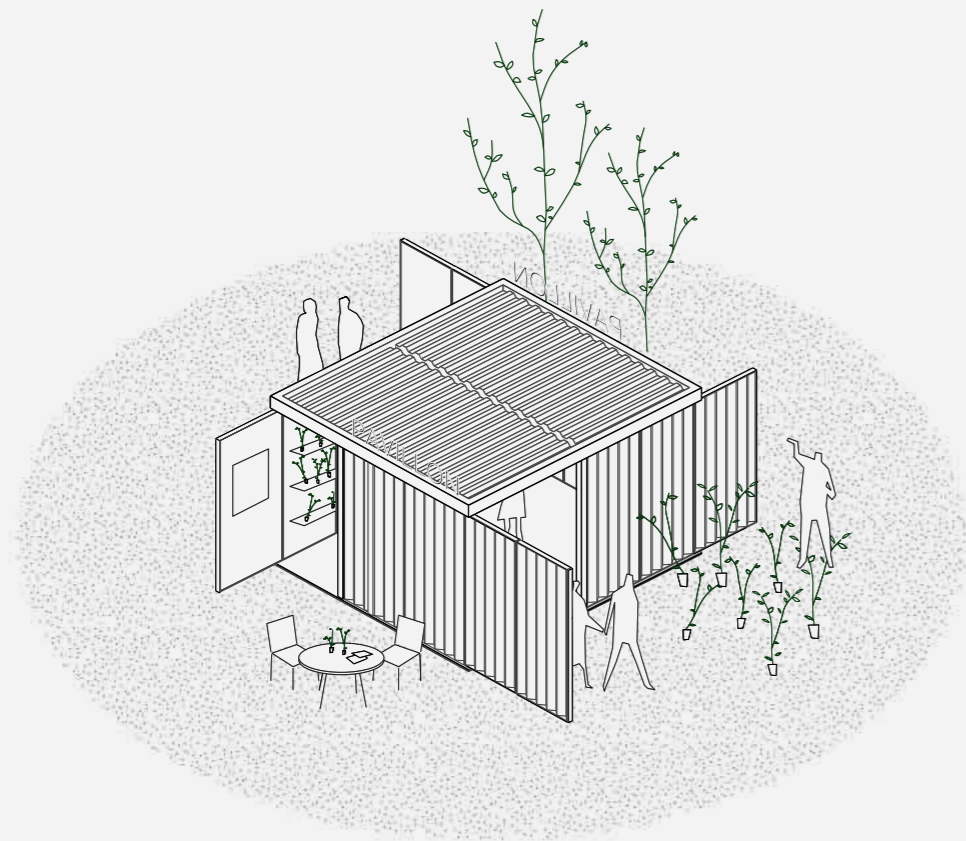
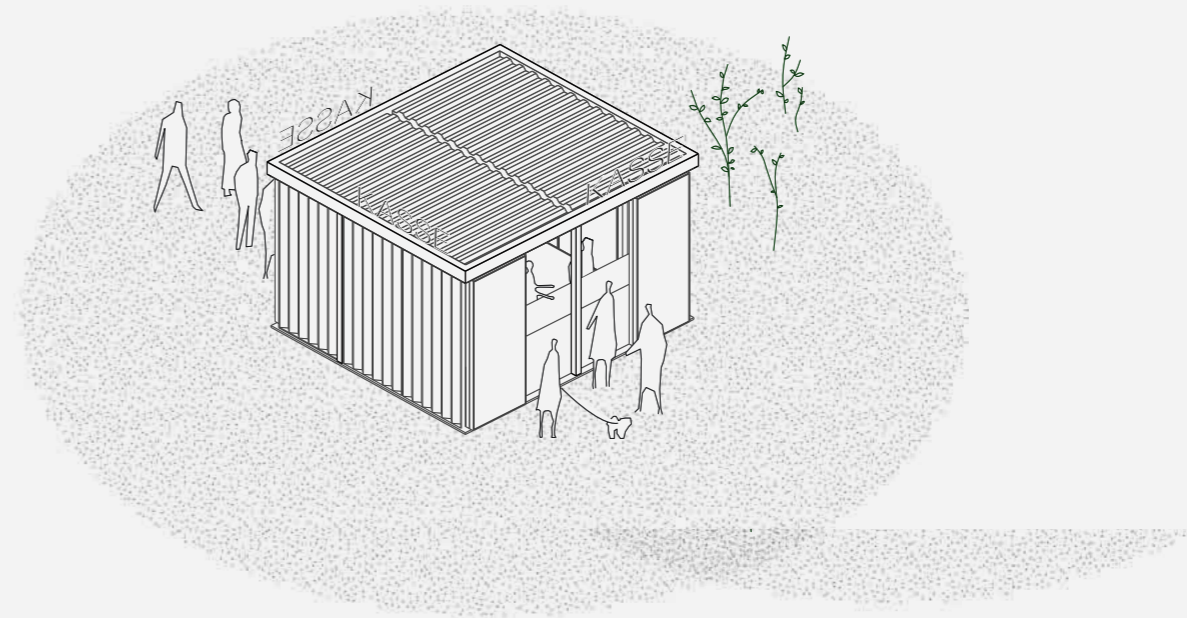
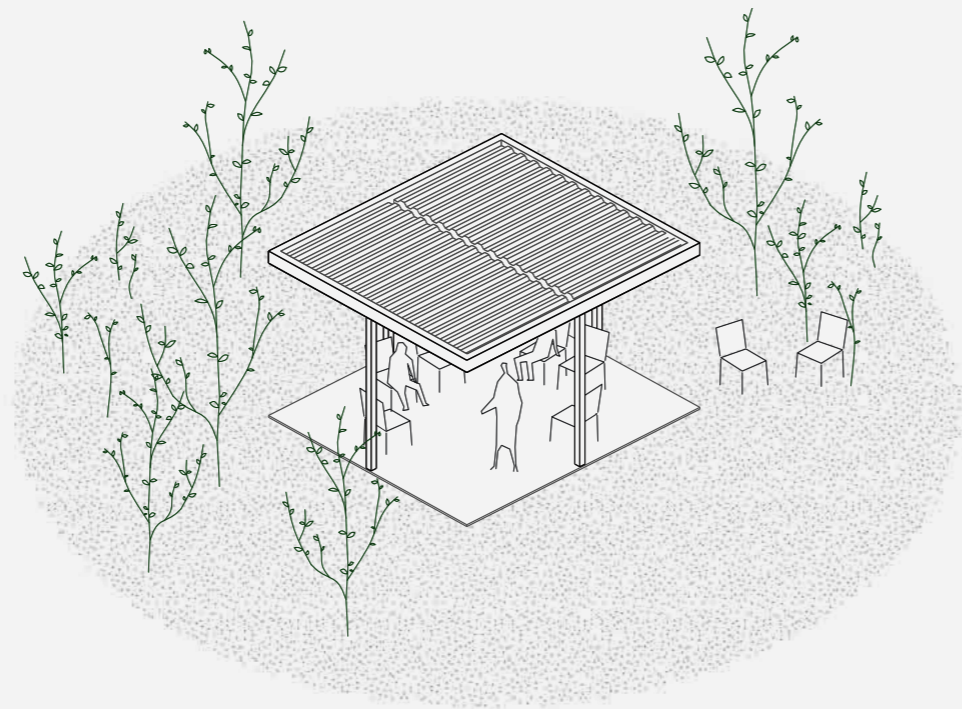
②



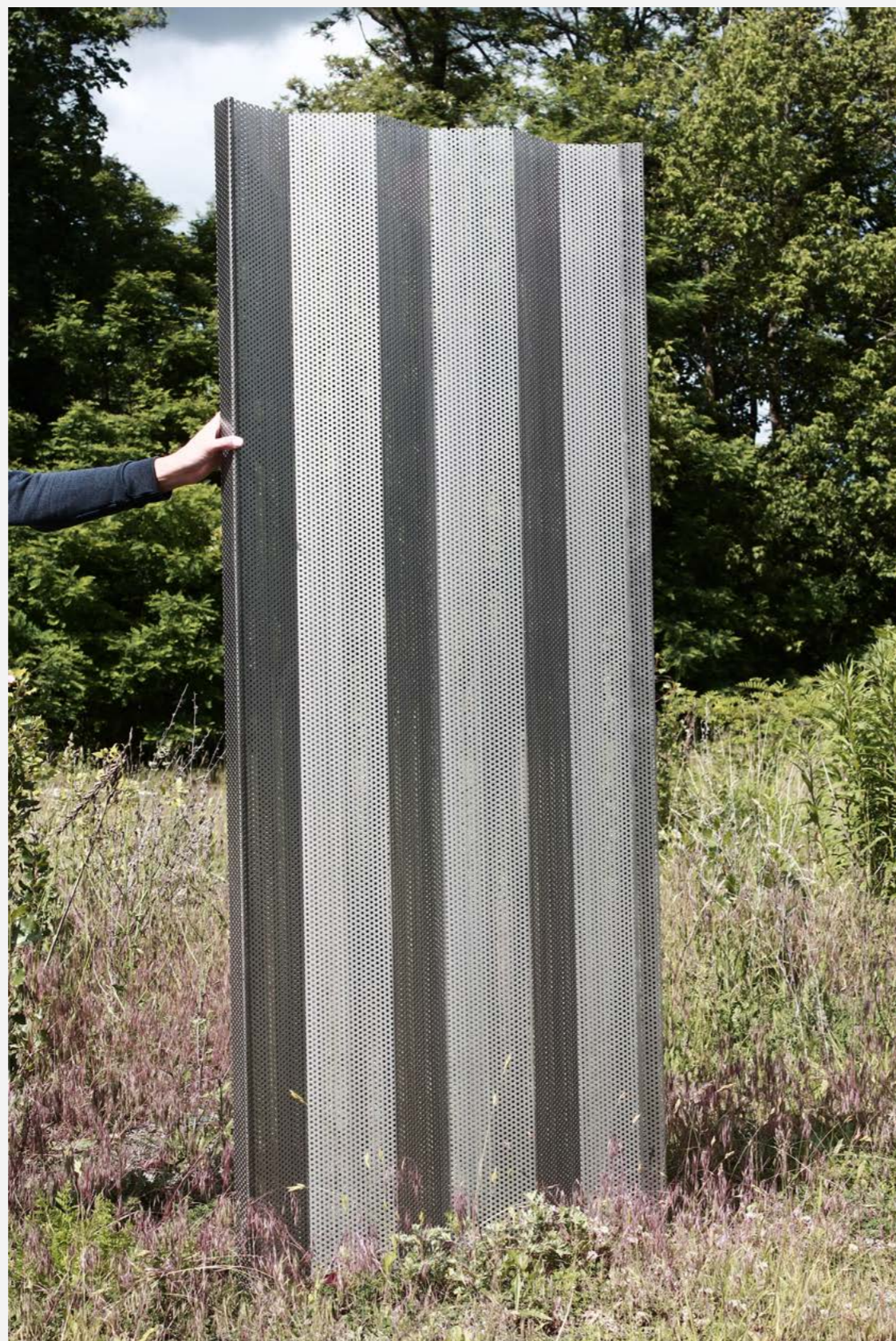
③



①



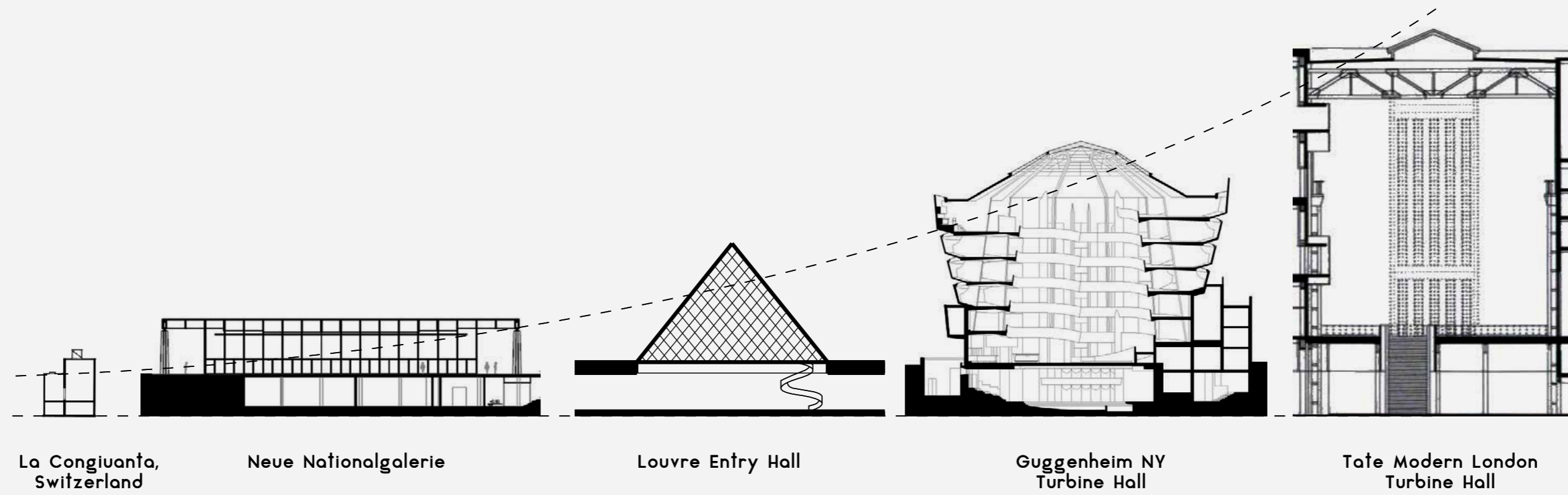
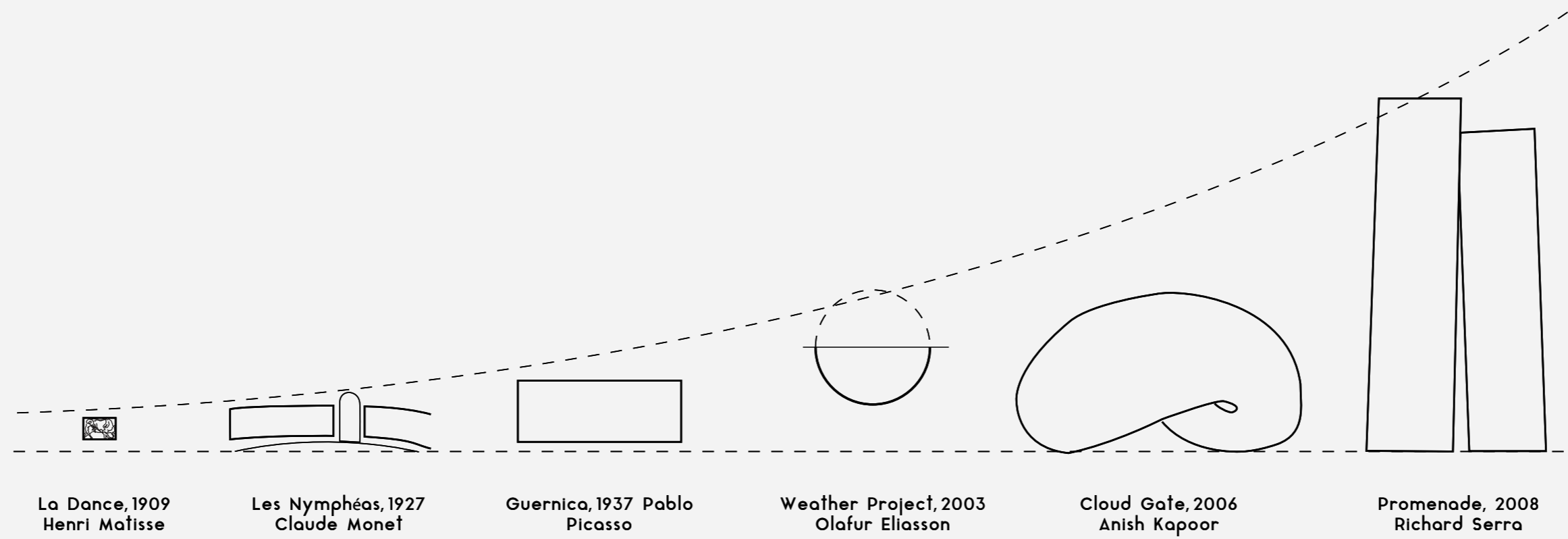


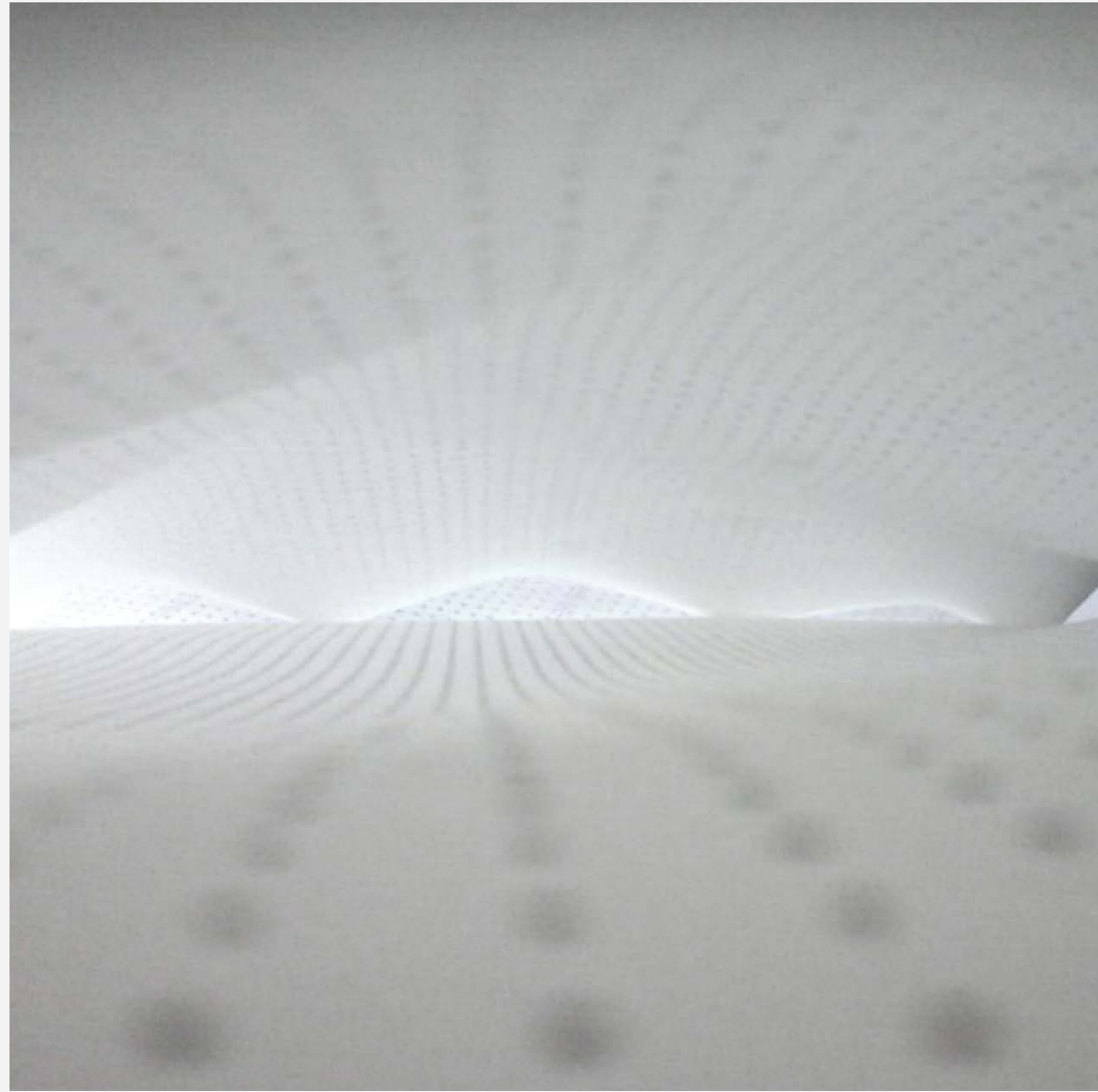




nature as icon

#24 Guggenheim,
Helsinki
competition
2015

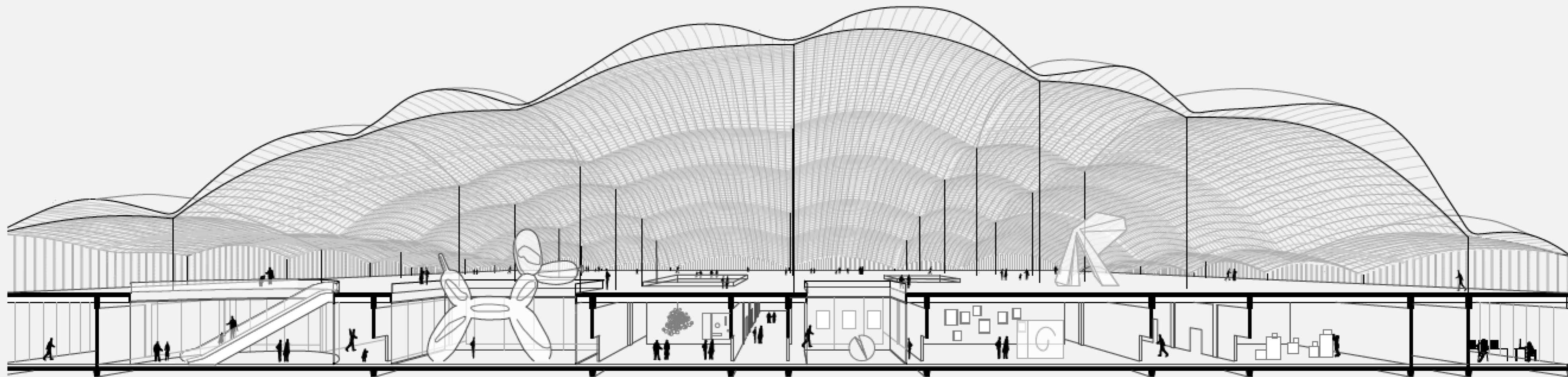










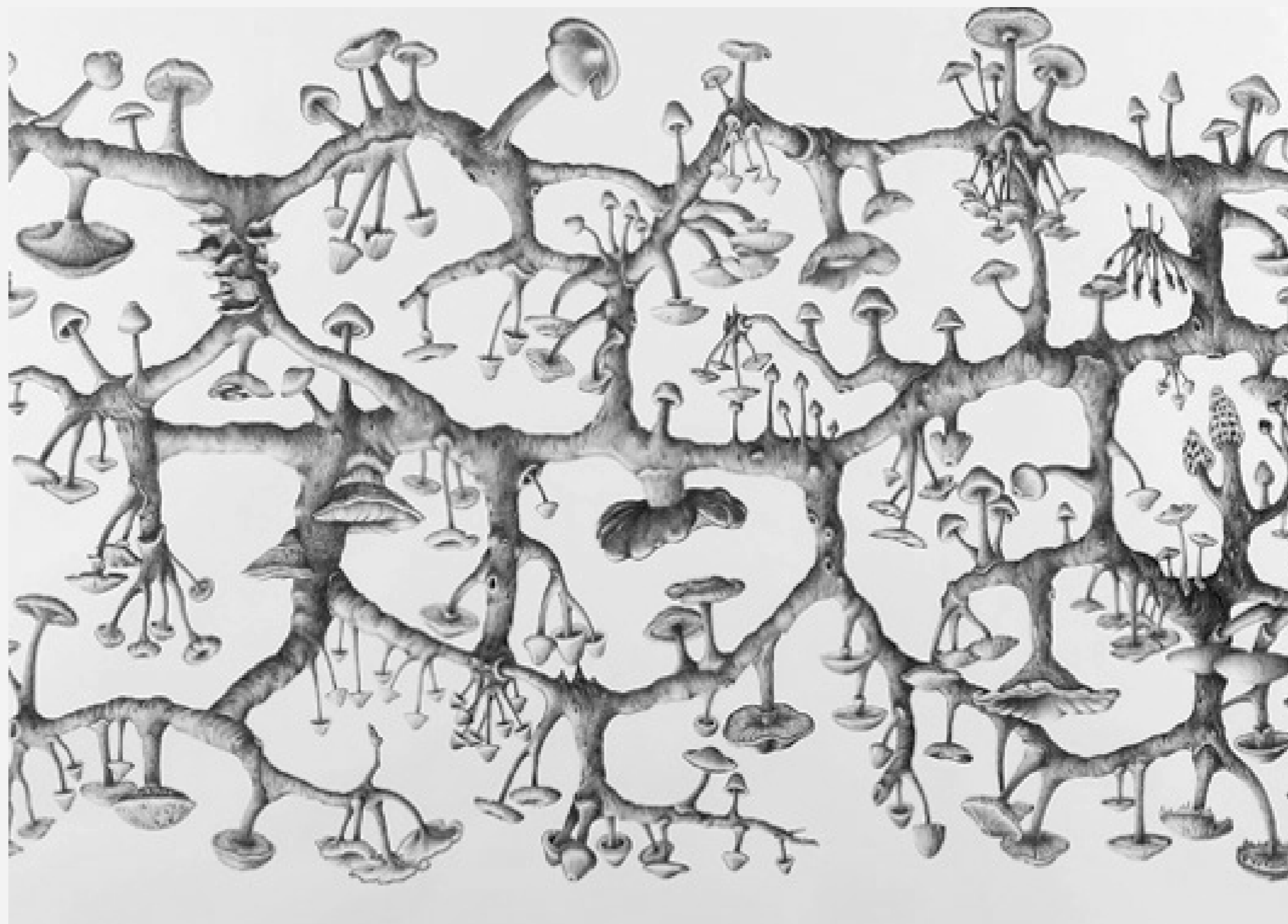


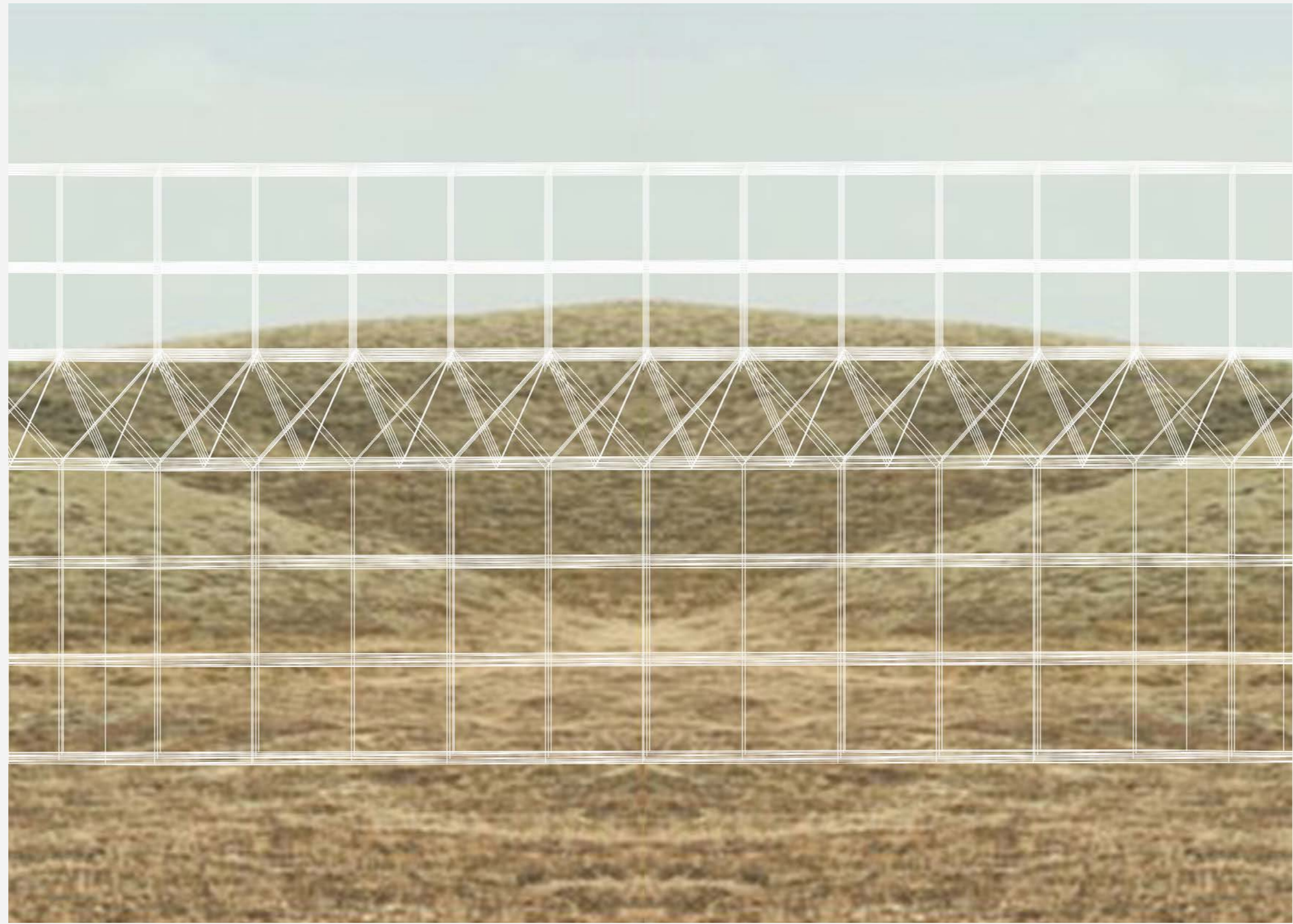


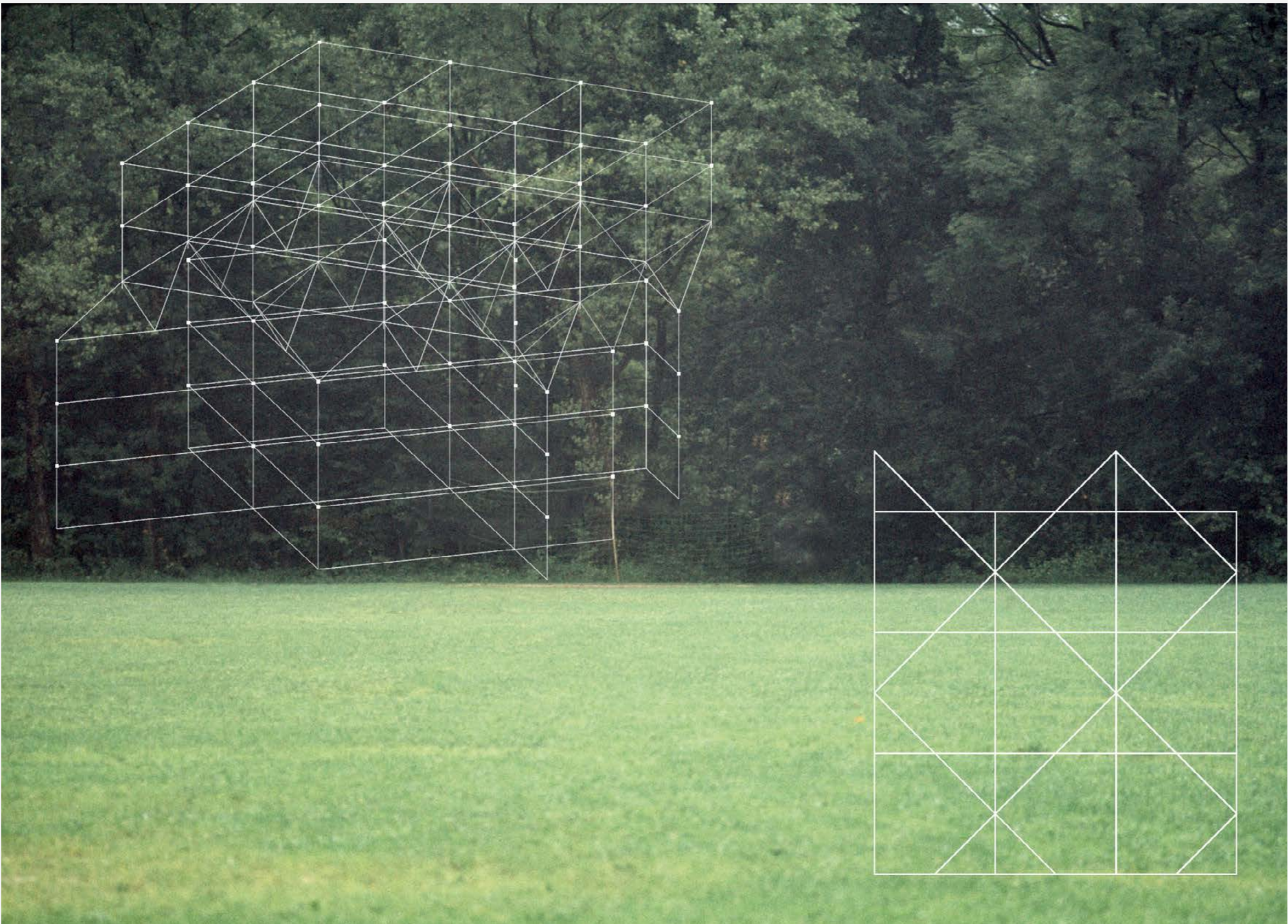
nature as structure

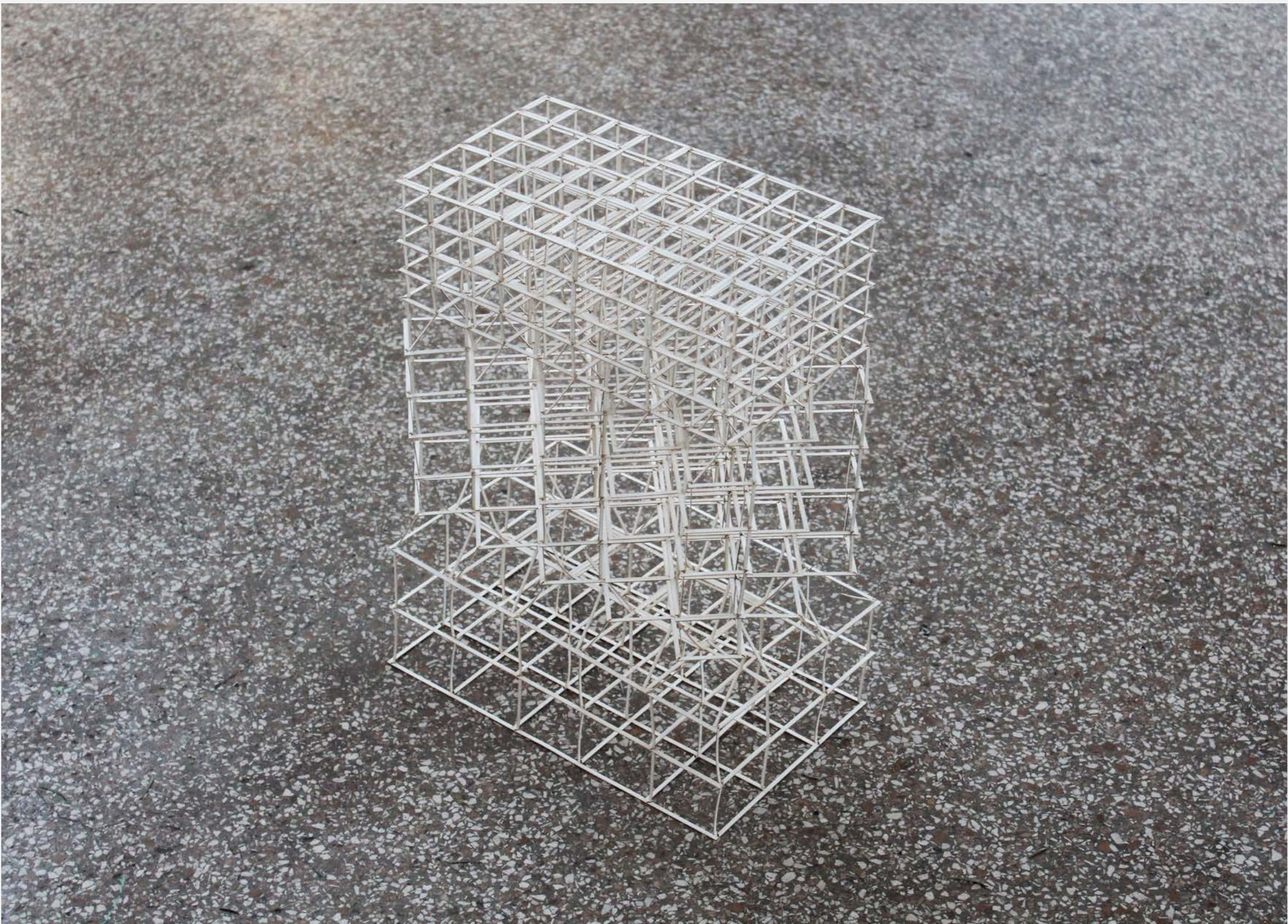
#46 Rosa Luxemburg foundation,
Berlin
competition
2015





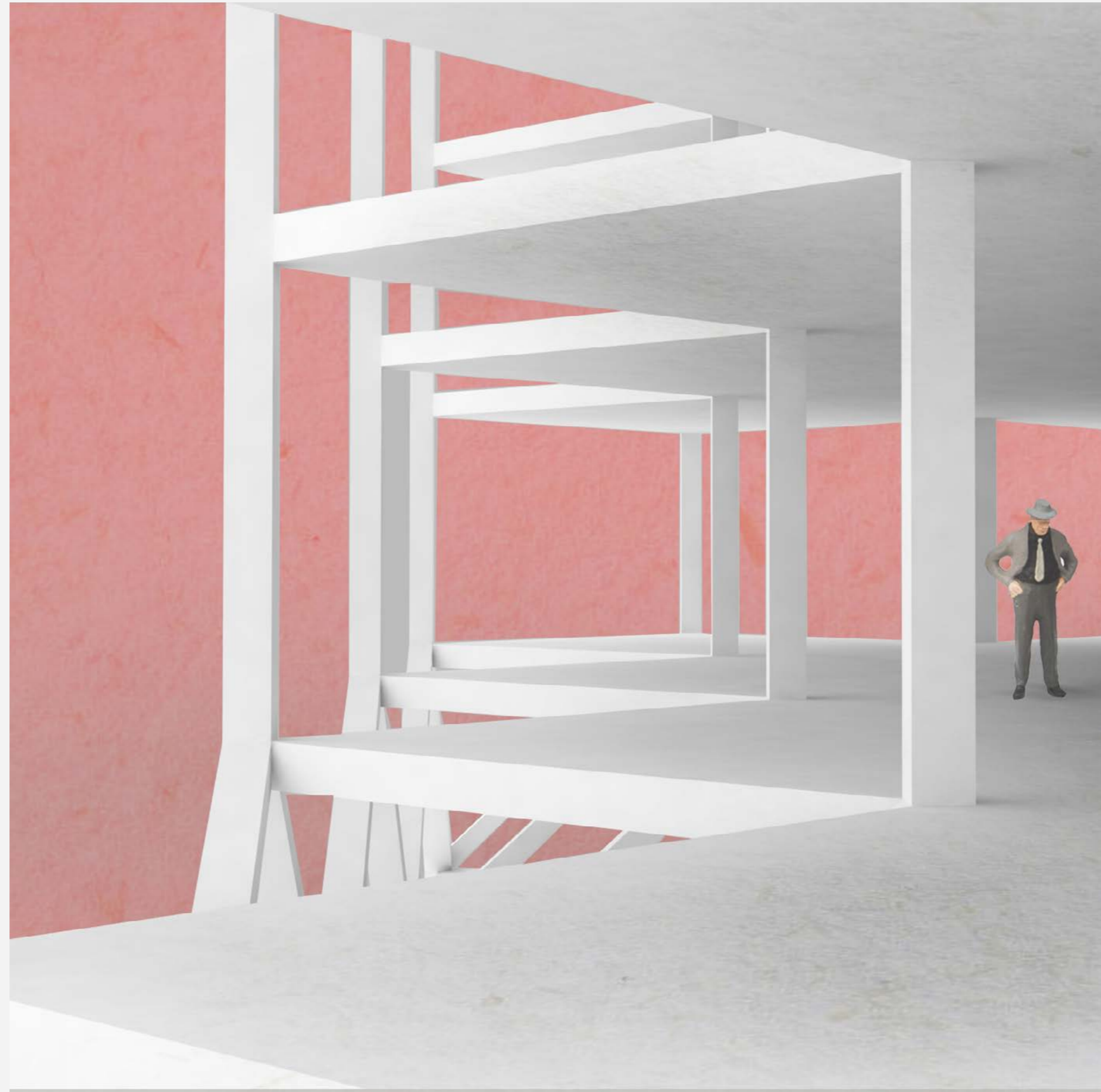








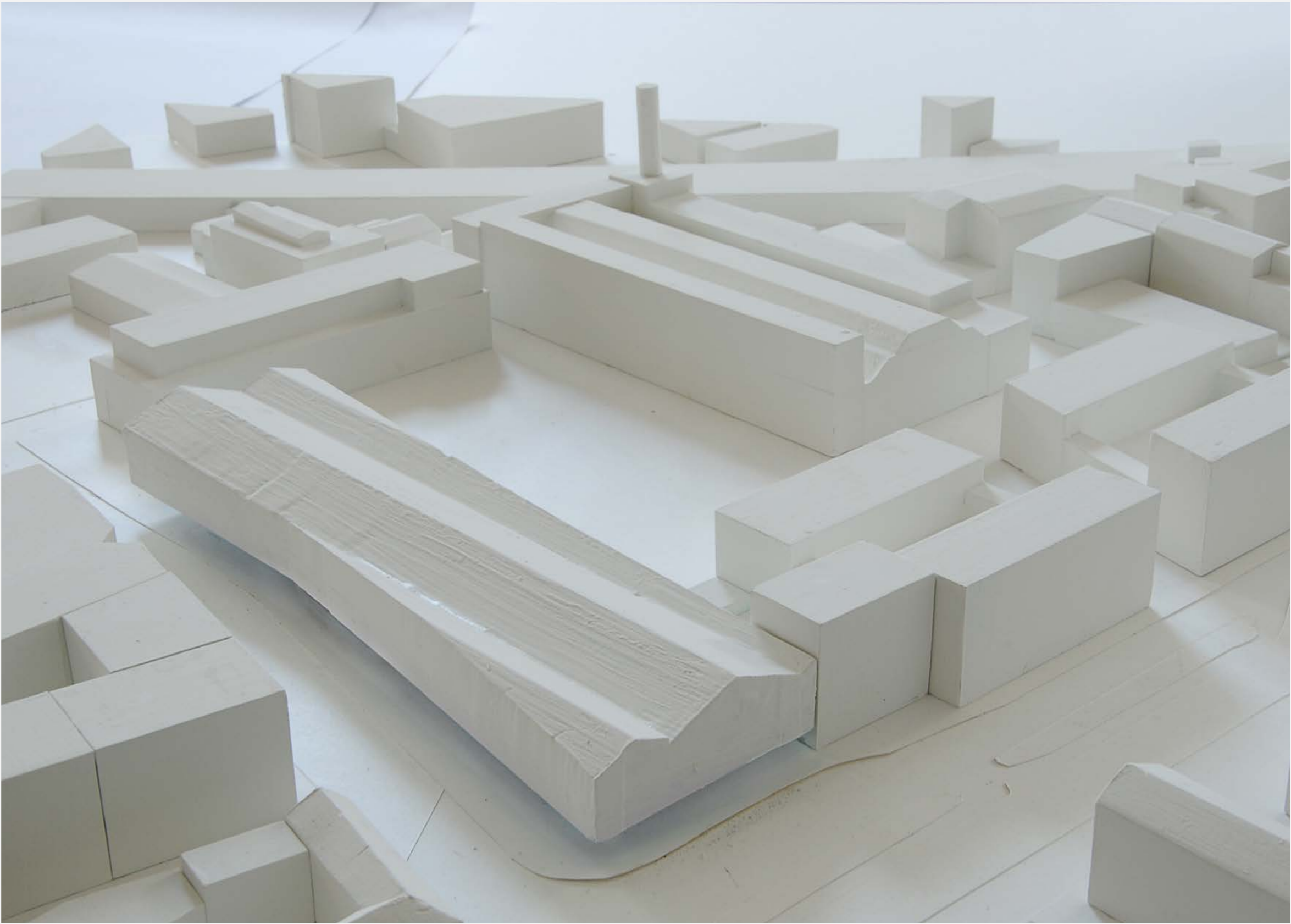


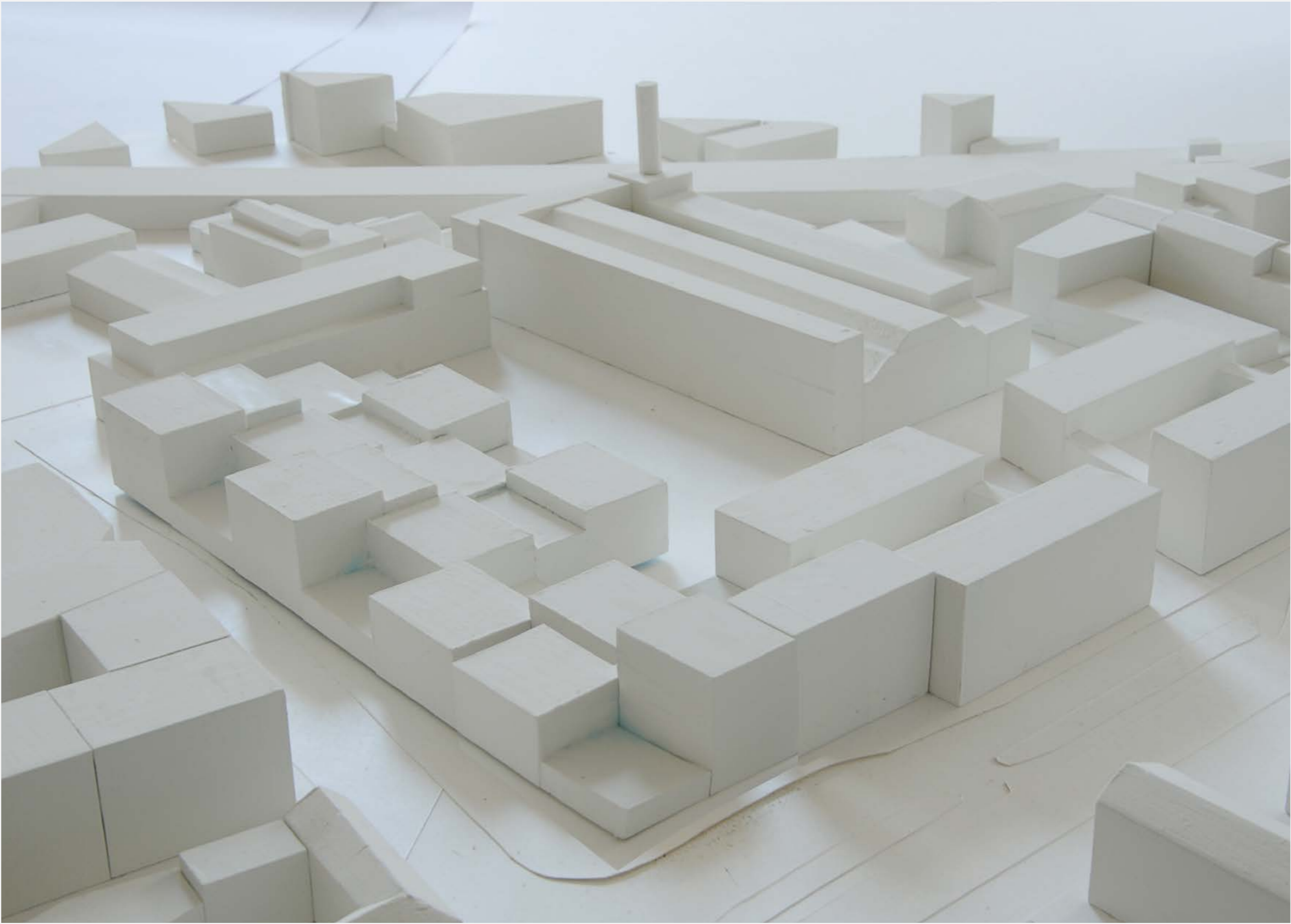


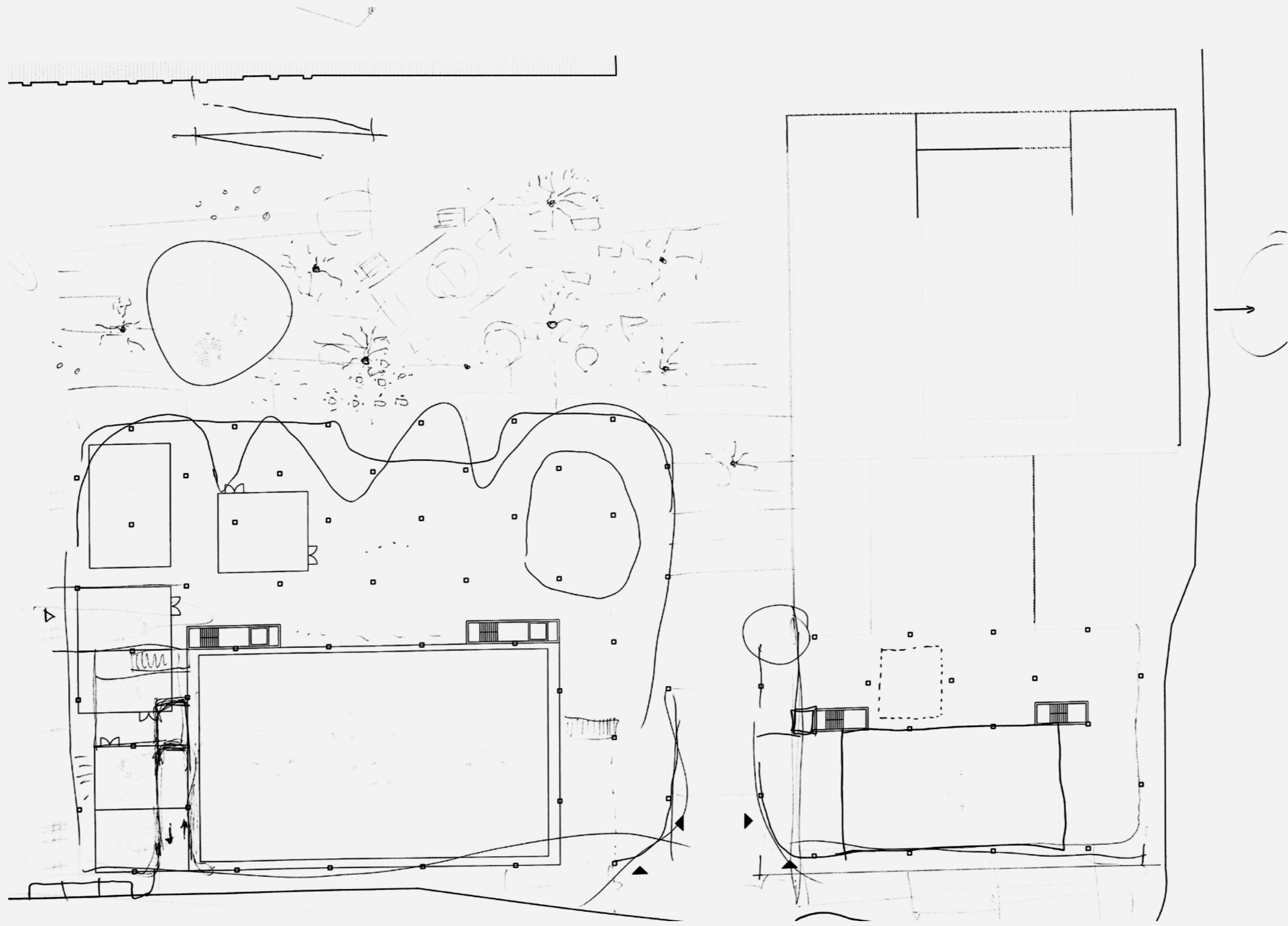
nature as organisation

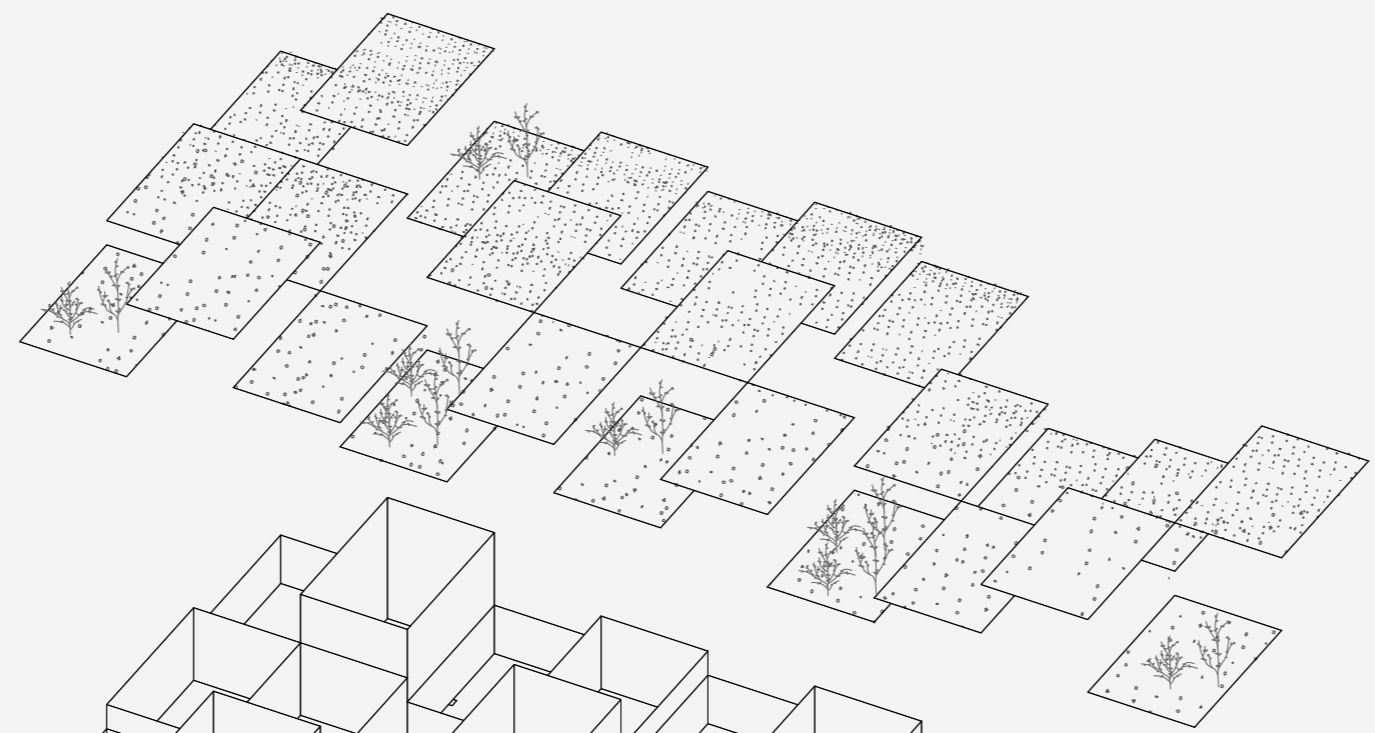
#38 Helios school,
Cologne
competition with Ludloff Ludloff
2015



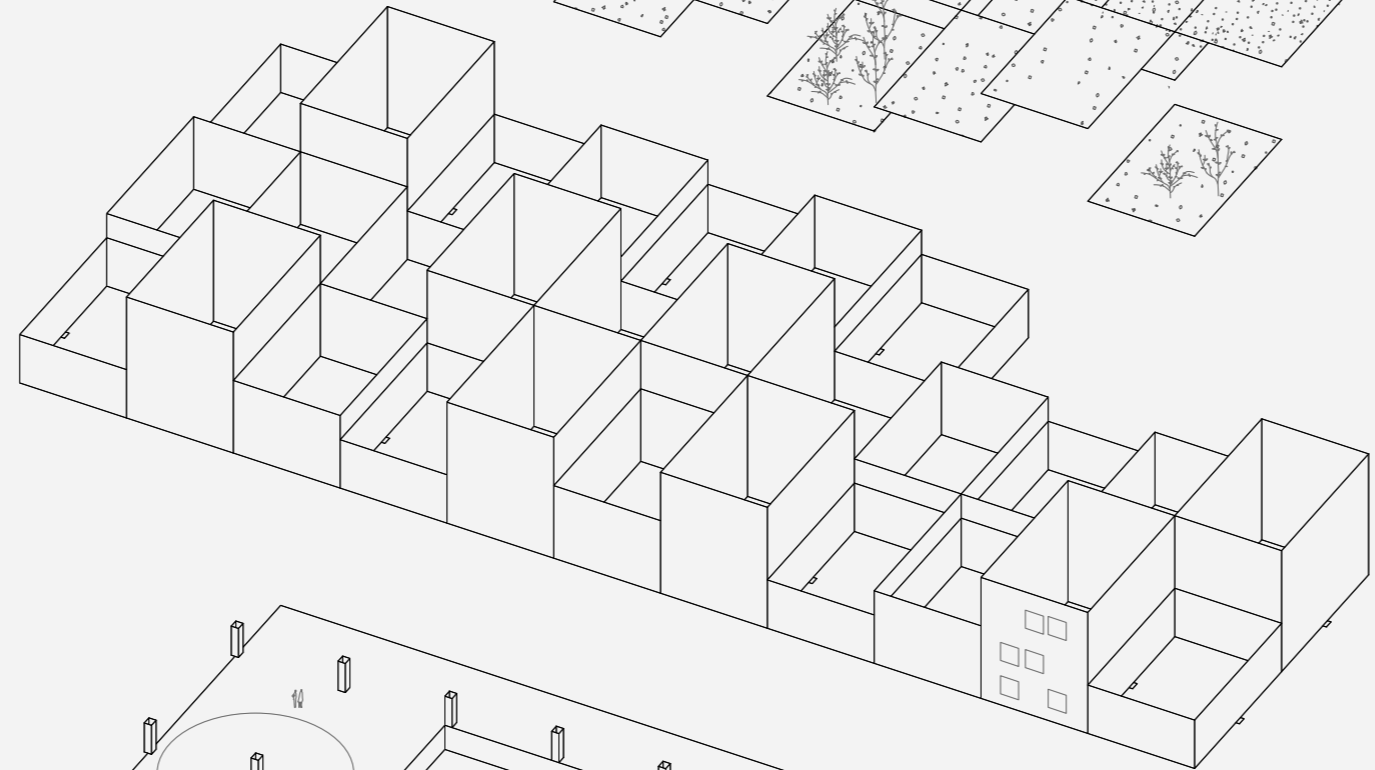




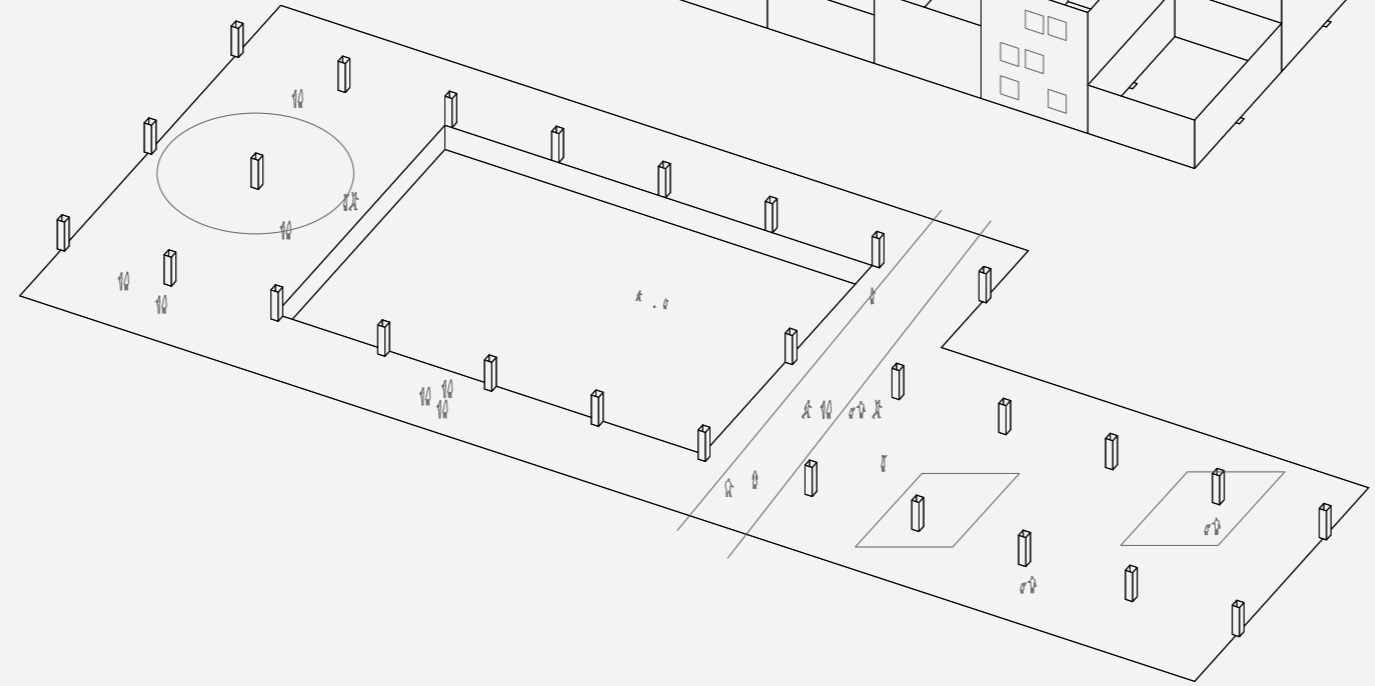




Garten



Dorf



Plaza



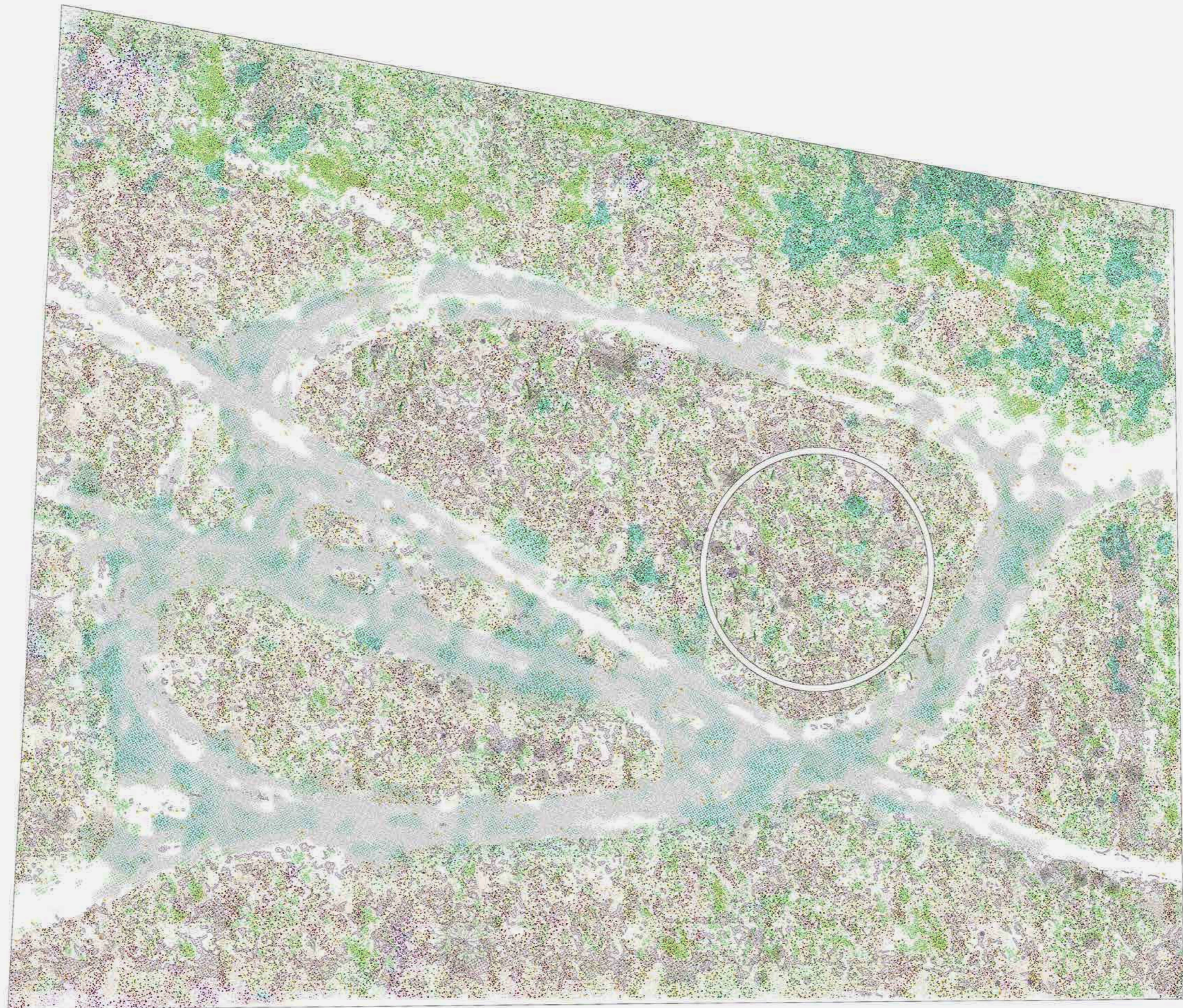


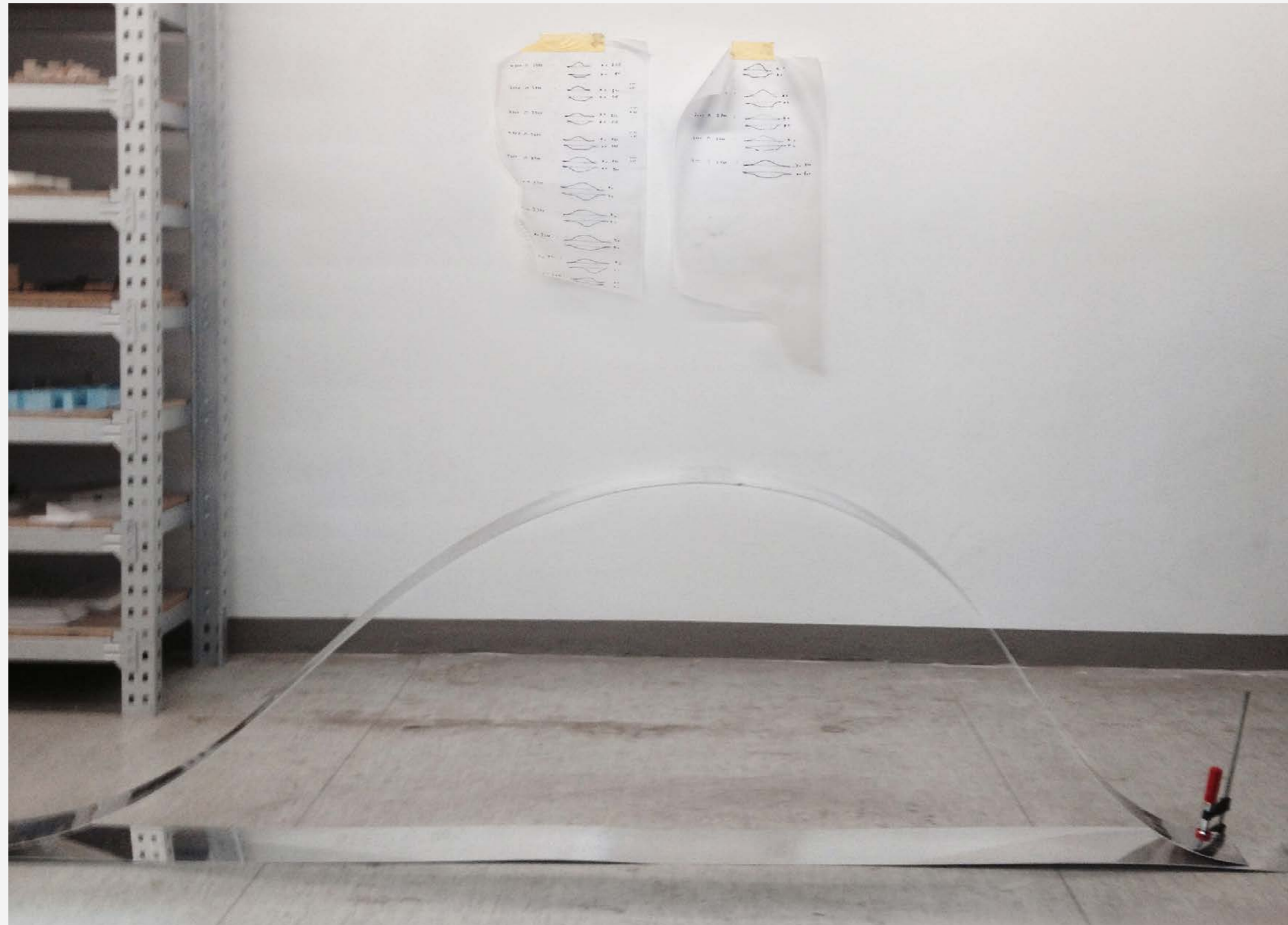


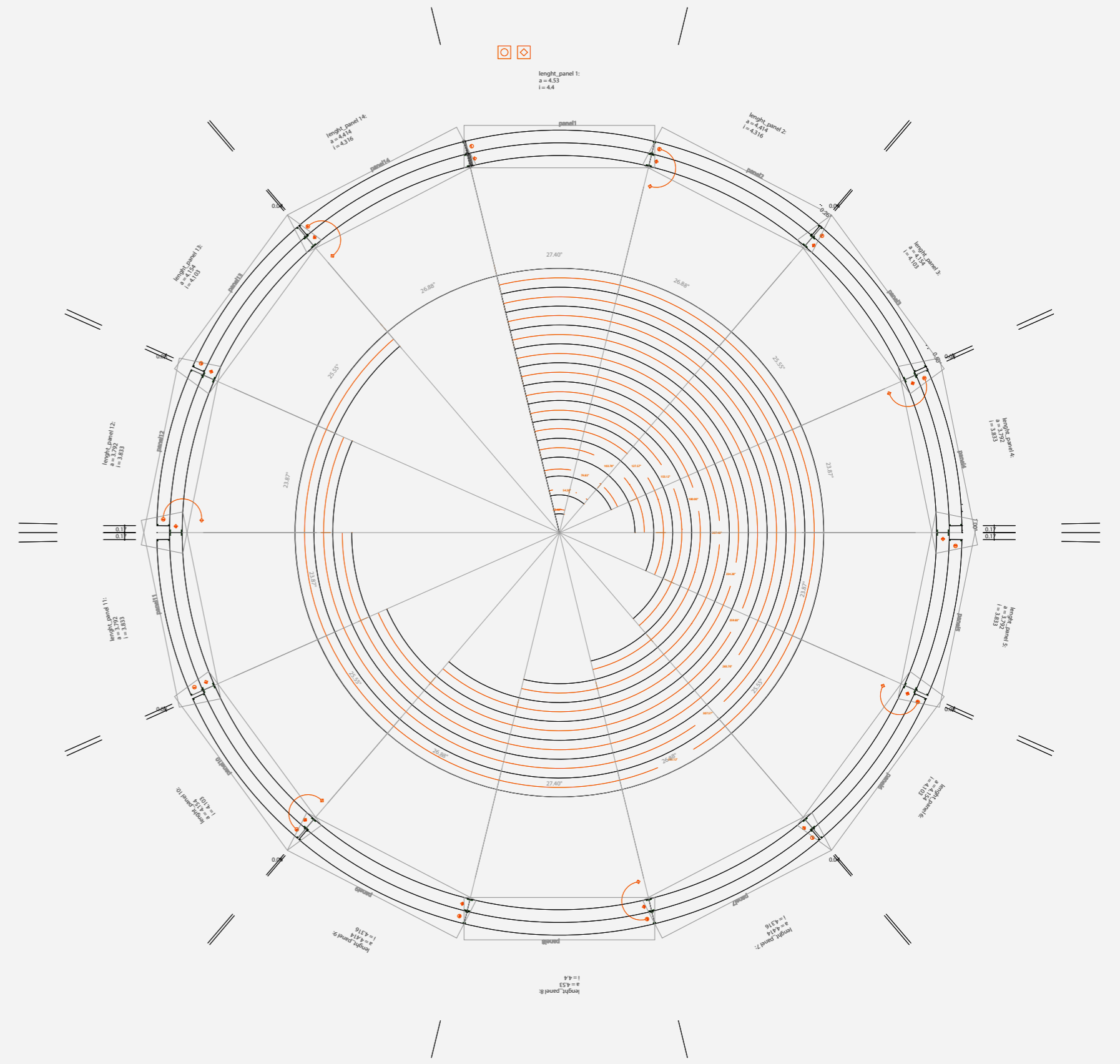
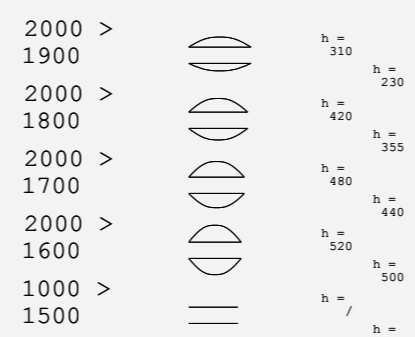
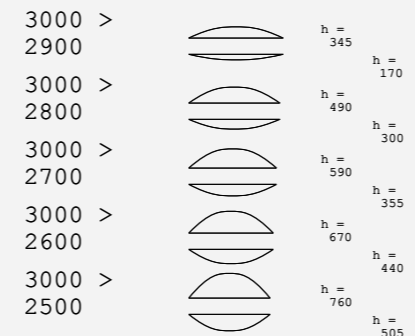
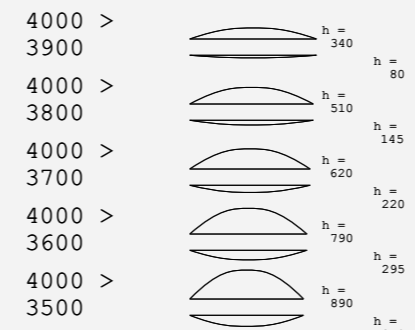
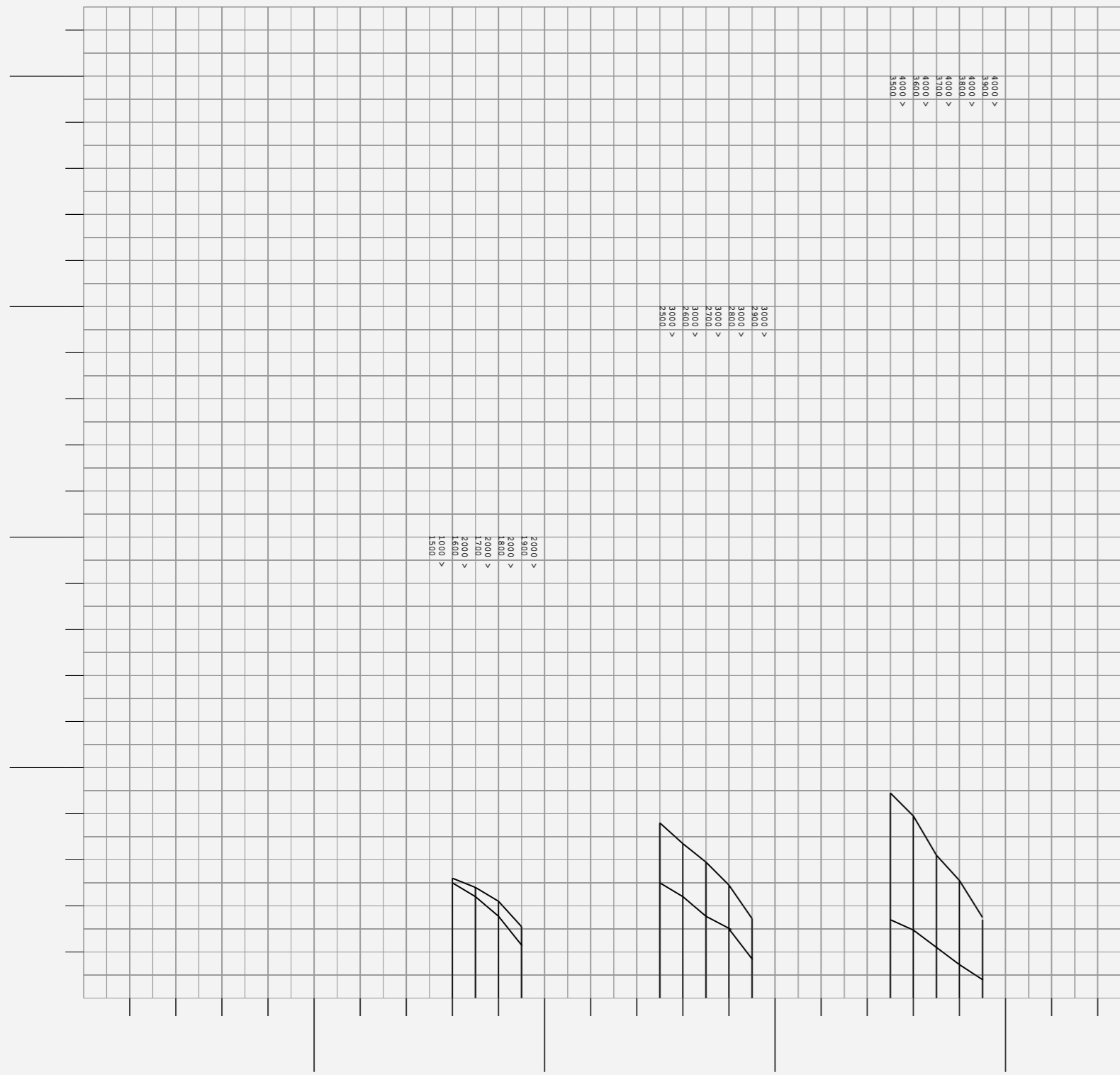
nature as behaviour

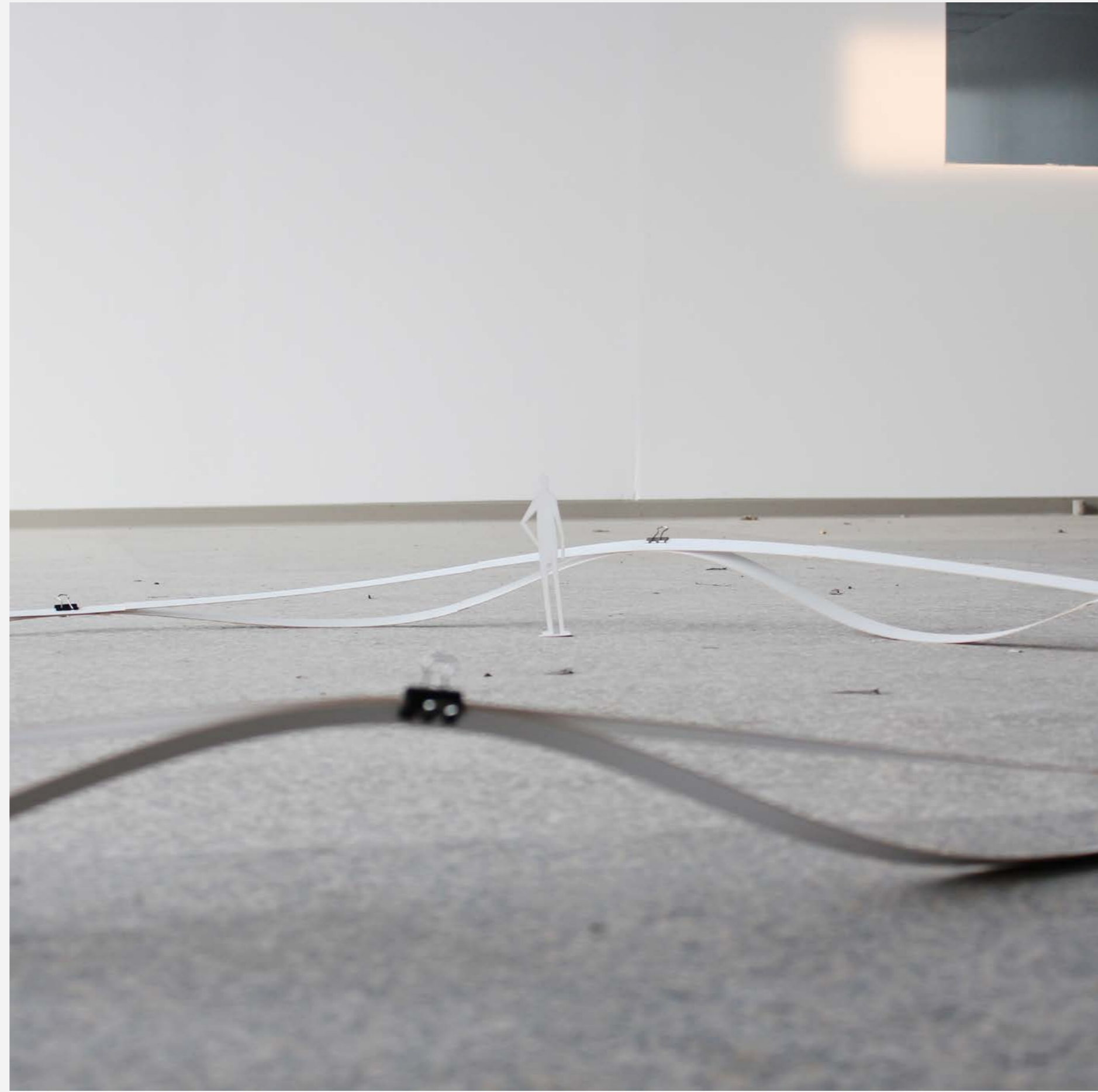
#23 summer table,
Berlin
built
2015

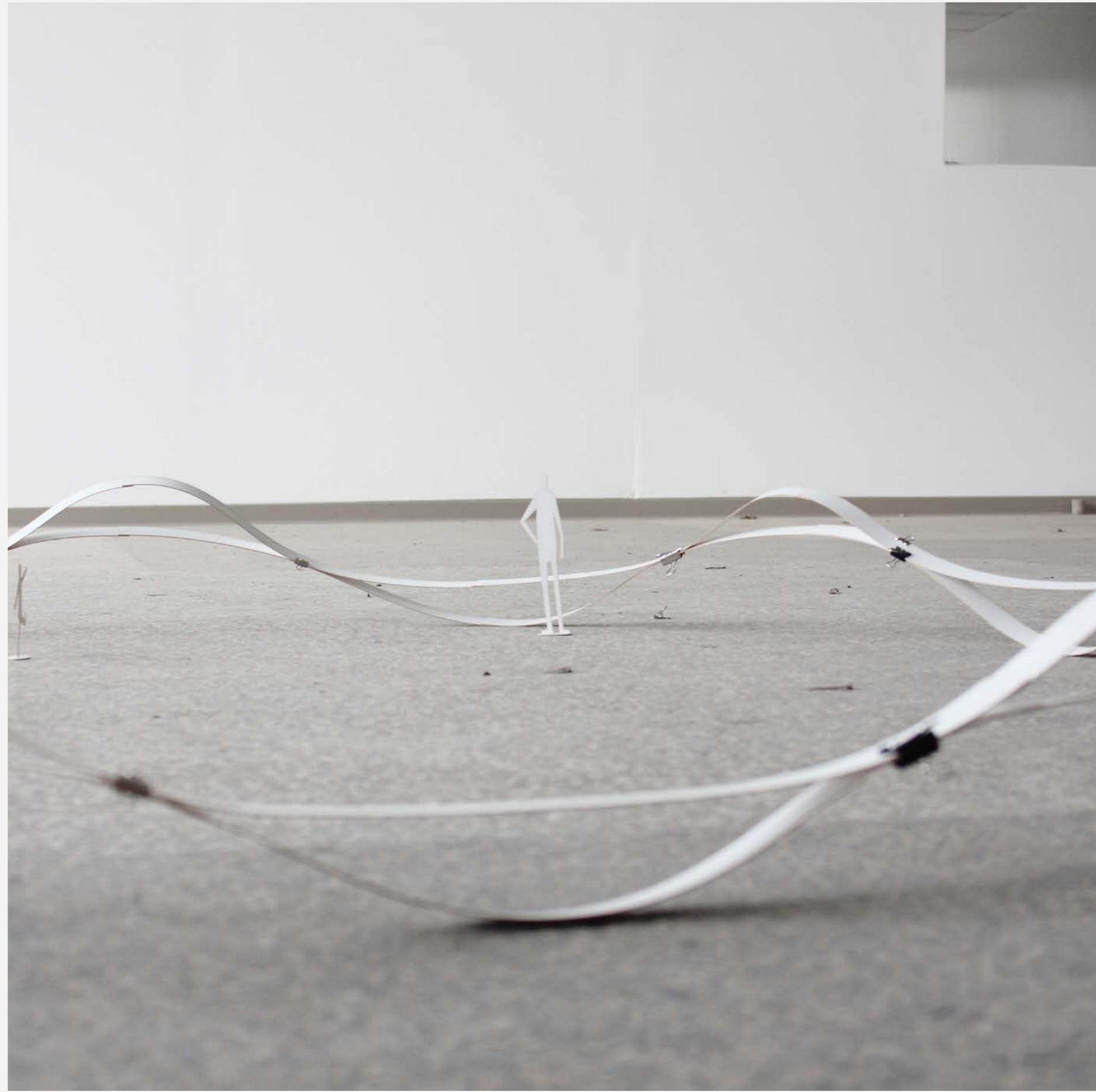


















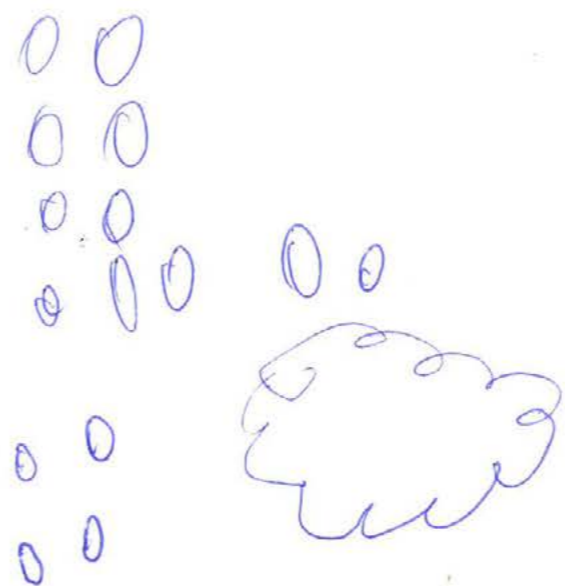
nature as phenomenon

#34 cloudscape,
Montpellier
built
2015

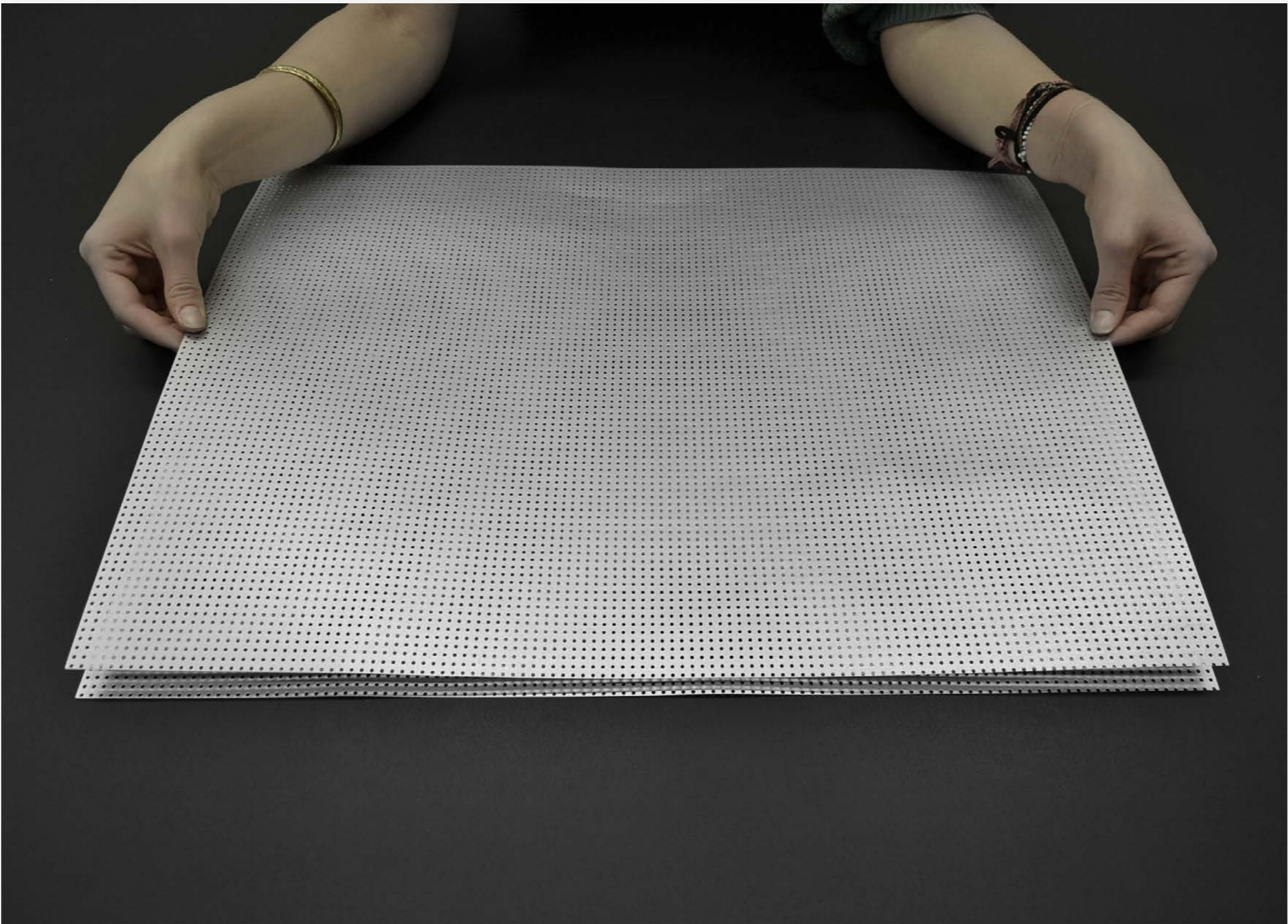
J'adore ! Vive les nuages

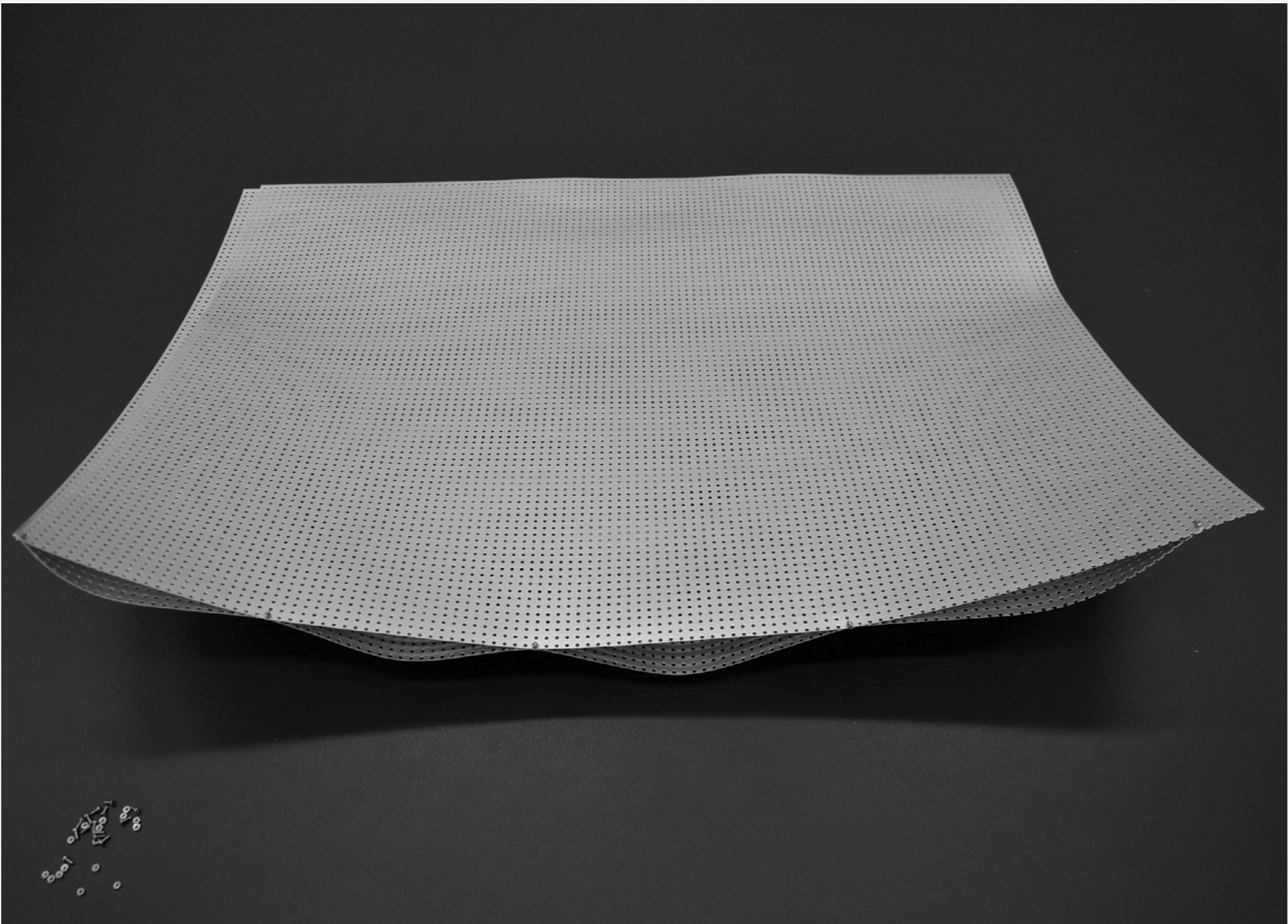


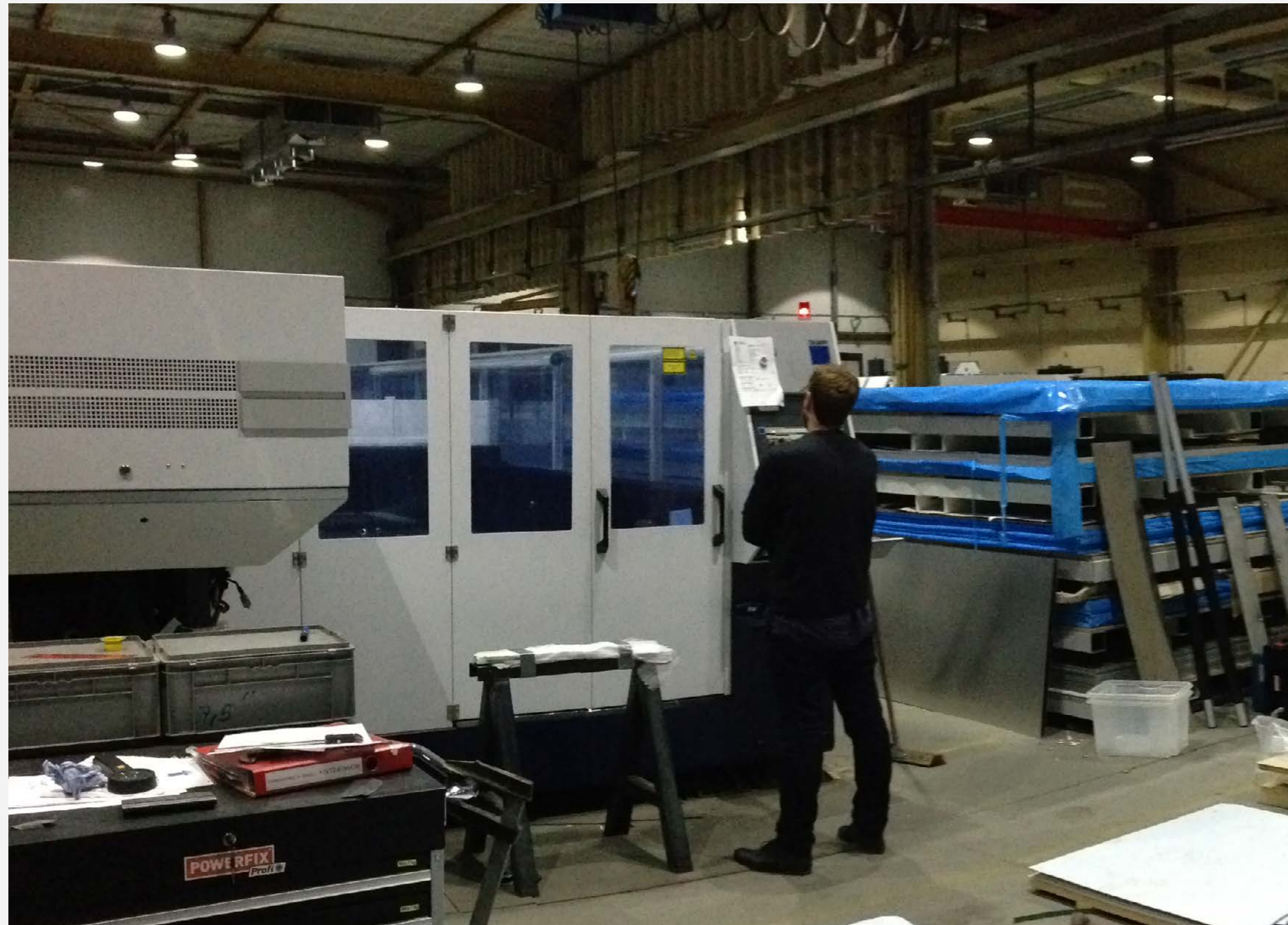
Lou!!



Très belle installation, de jolis effets!
de bonnes explication des 2
médiateurs, merci!





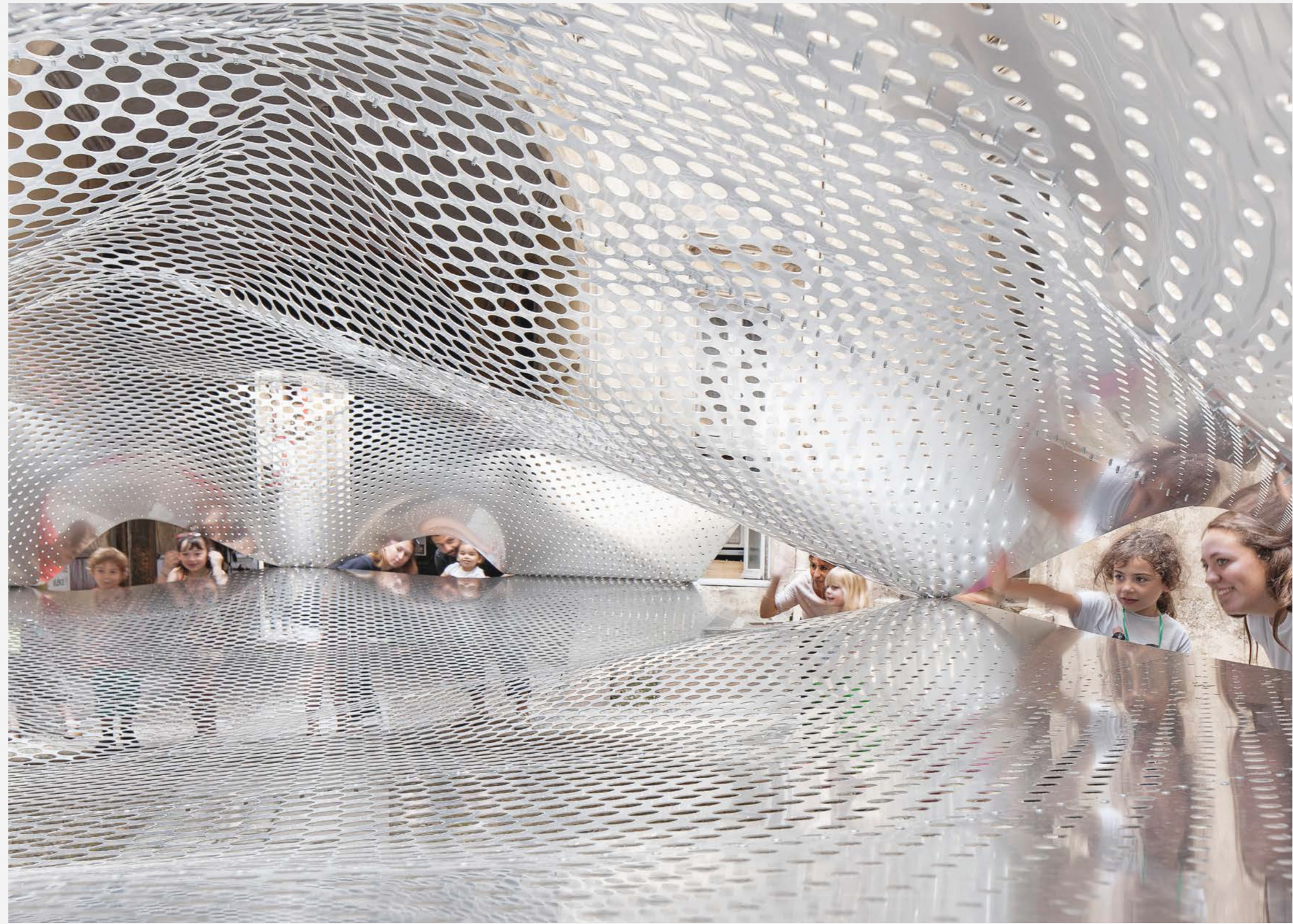


flat bed laser









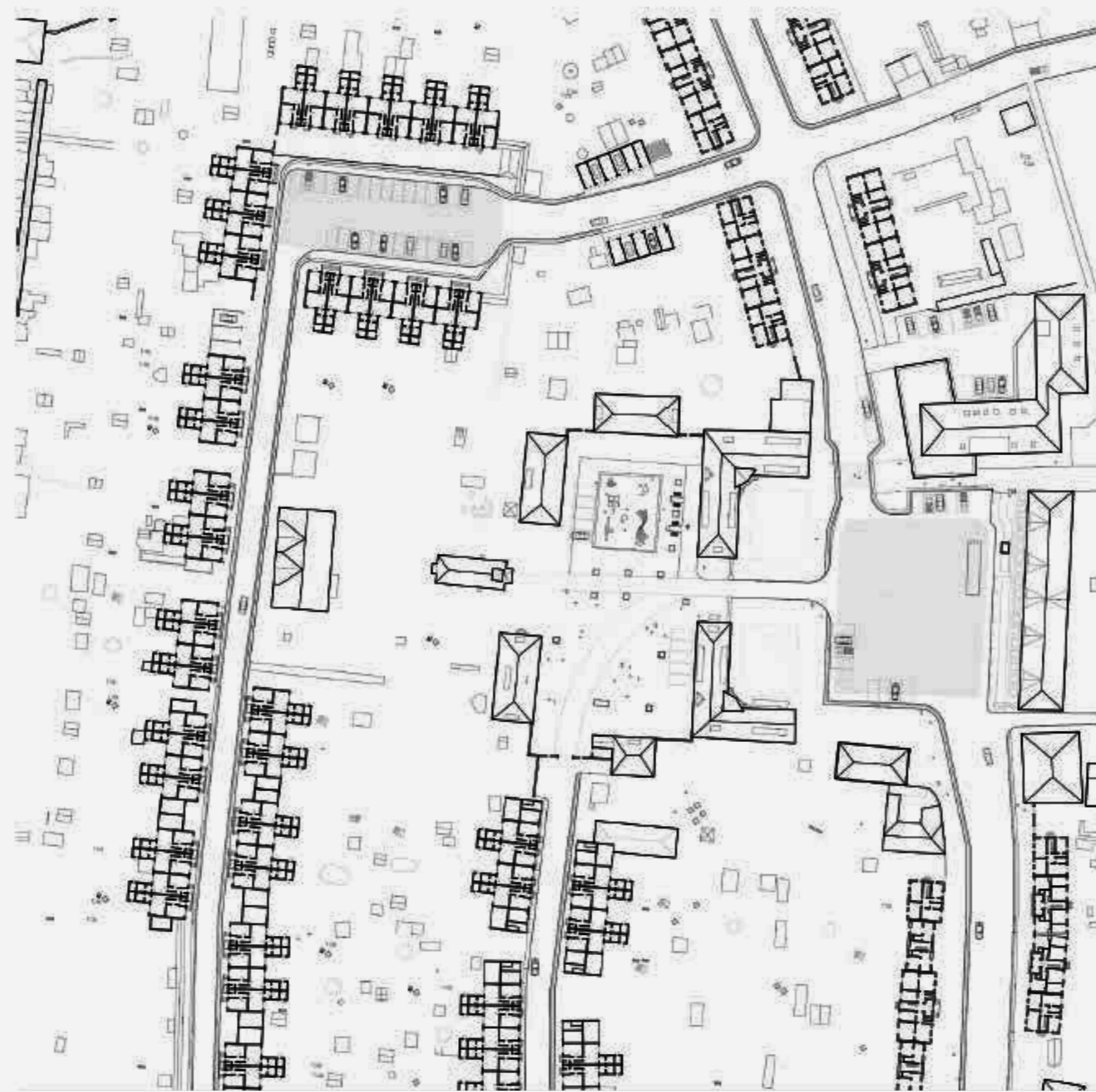


nature as dream

SS Dessau institute of Architecture,
FAKT studio
„Urban Arcadia“
teaching
2016







garden city „Falkensee“



garden city „Falkensee“









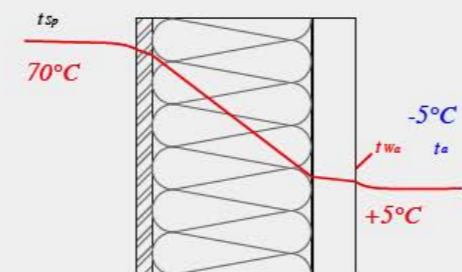
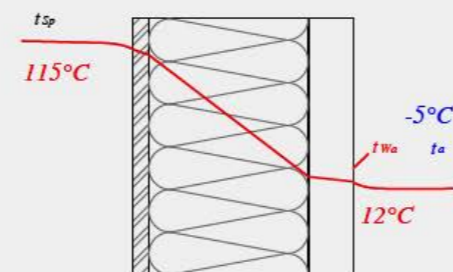
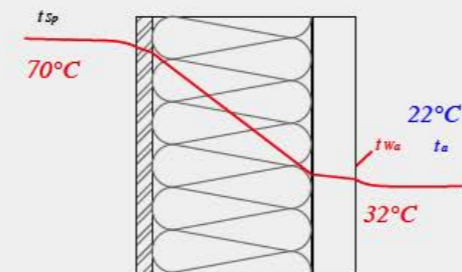
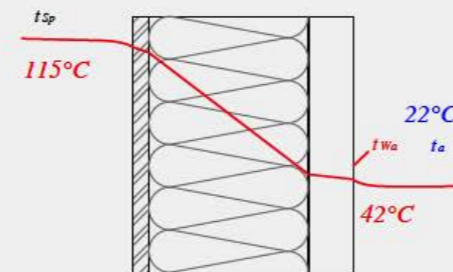
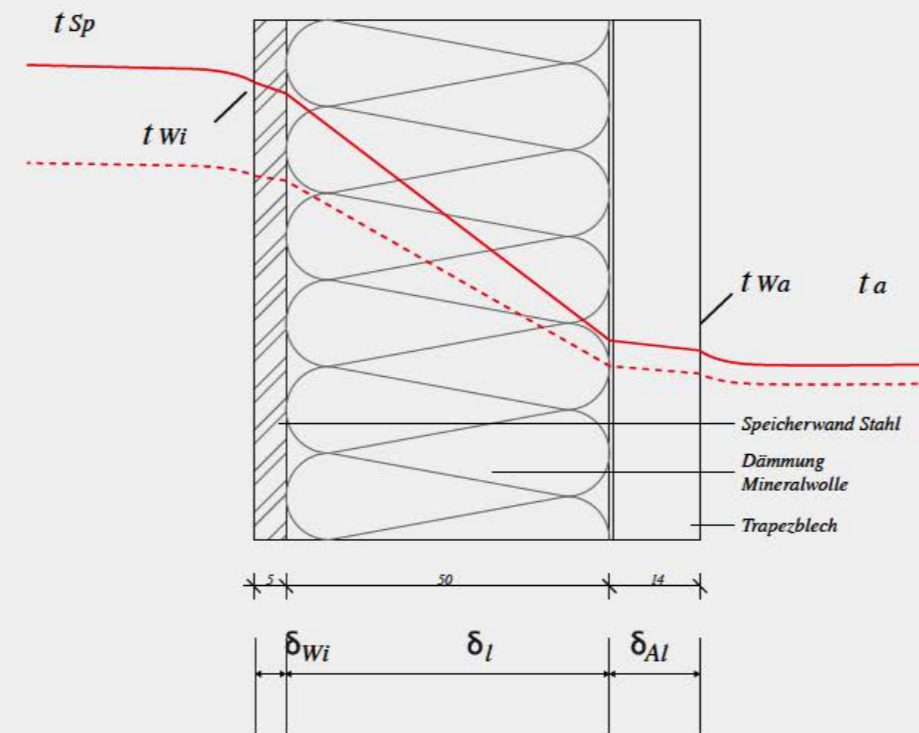
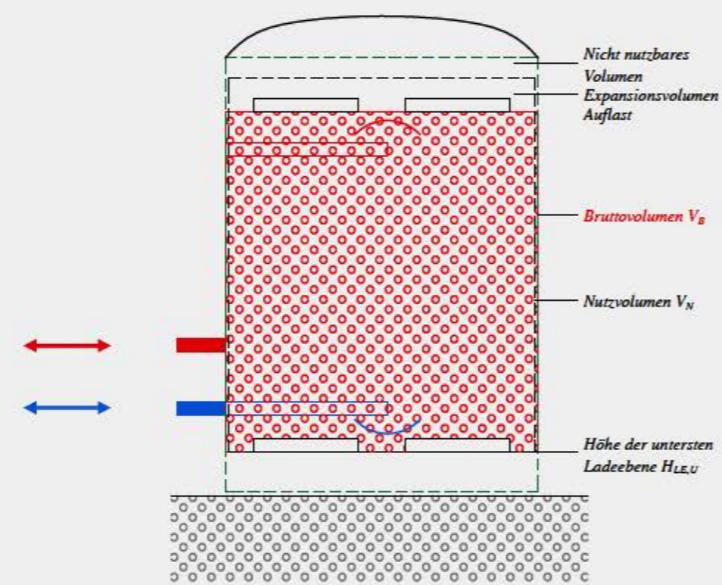
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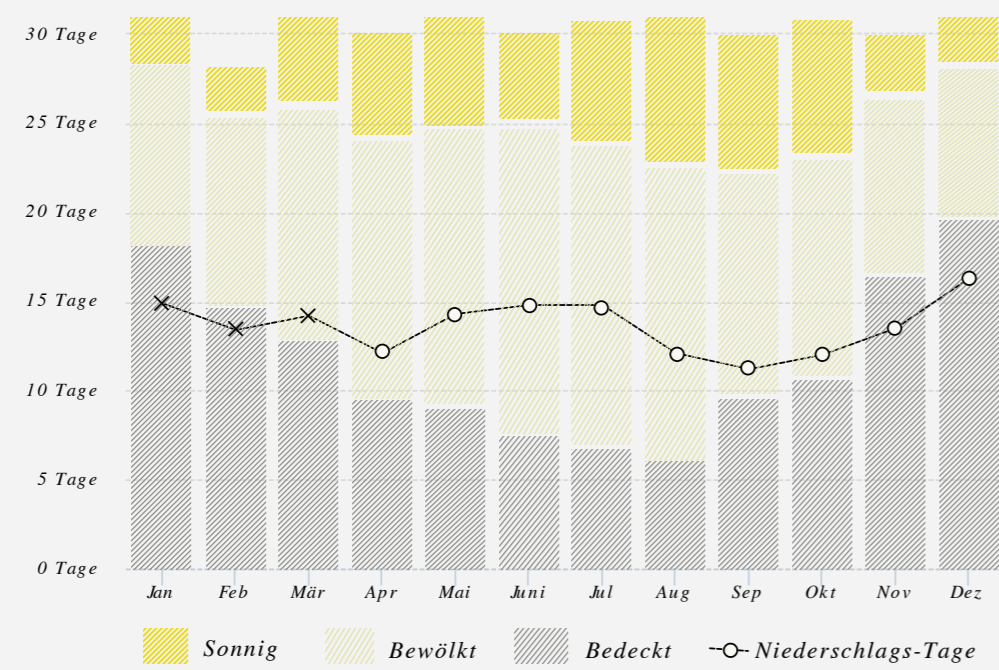
nature as climate

#60 energy storage,
Heidelberg
competition
2016

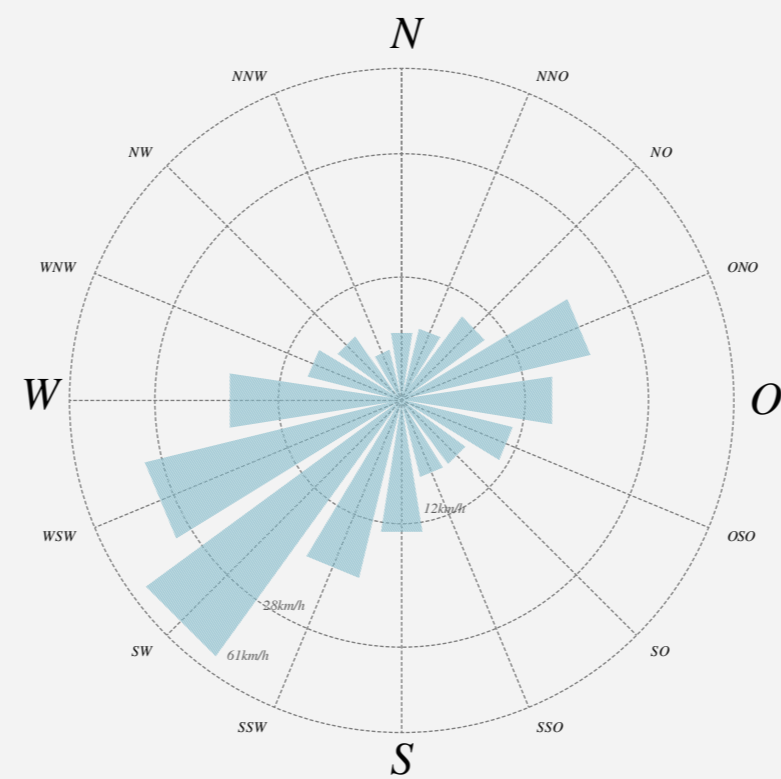




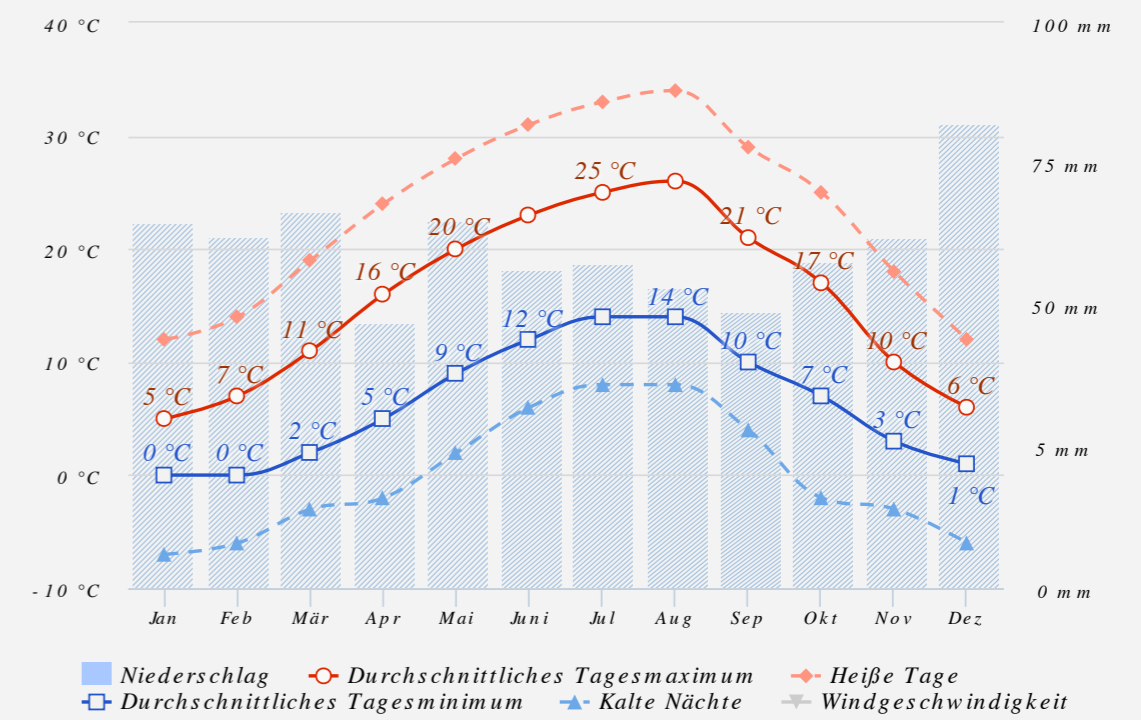
t_{Sp}	Temperatur Speichermedium	$70^\circ-115^\circ C$
t_{Wi}	Temperatur Wandinnen	$69.7^\circ-114.2^\circ C$
t_W	Temperatur Wandaußen	$8^\circ-42^\circ C$
t_a	Temperatur Außenluft	$-2^\circ+28^\circ C$
δ_{Wi}	Schichtdicke Wandinnen	50 mm
δ_l	Schichtdicke Dämmstoff	500 mm
δ_{Al}	Schichtdicke Verkleidung	140 mm
λ_{Wi}	Wärmeleitfähigkeit Stahl	50.00 W / mK
λ_l	Wärmeleitfähigkeit Mineralwolle	0,032 W / mK
λ_{Al}	Wärmeleitfähigkeit Aluminium	160.00 W / mK



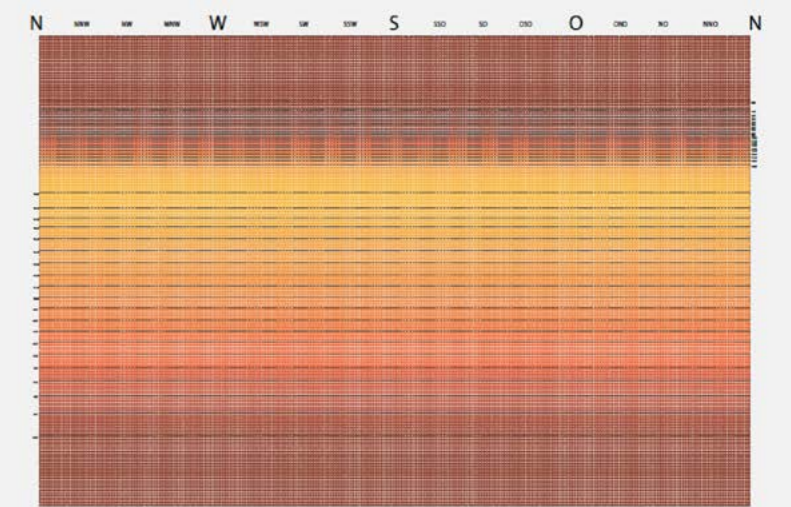
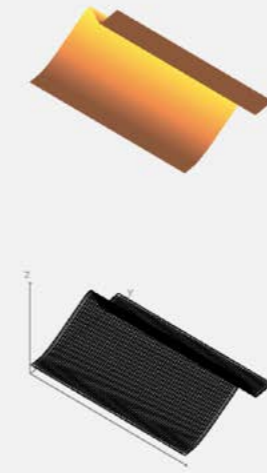
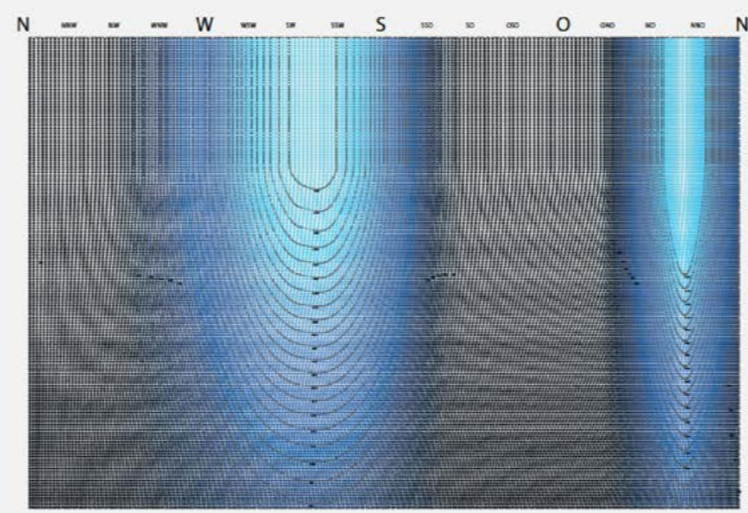
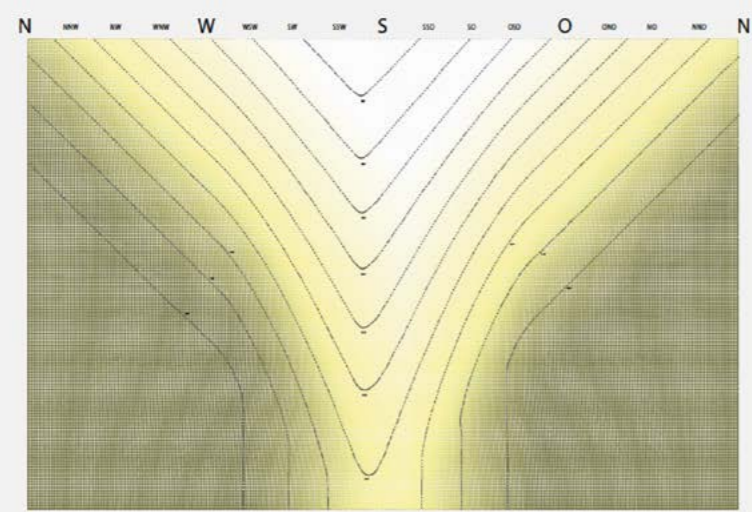
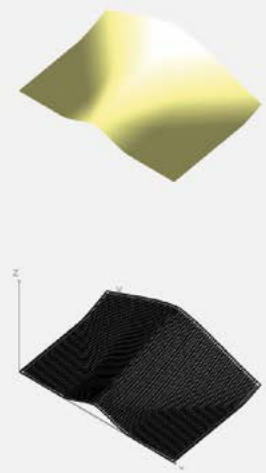
WOLKEN /SONNE und NIEDERSCHLAG
HEIDELBERG



WINDROSE HEIDELBERG



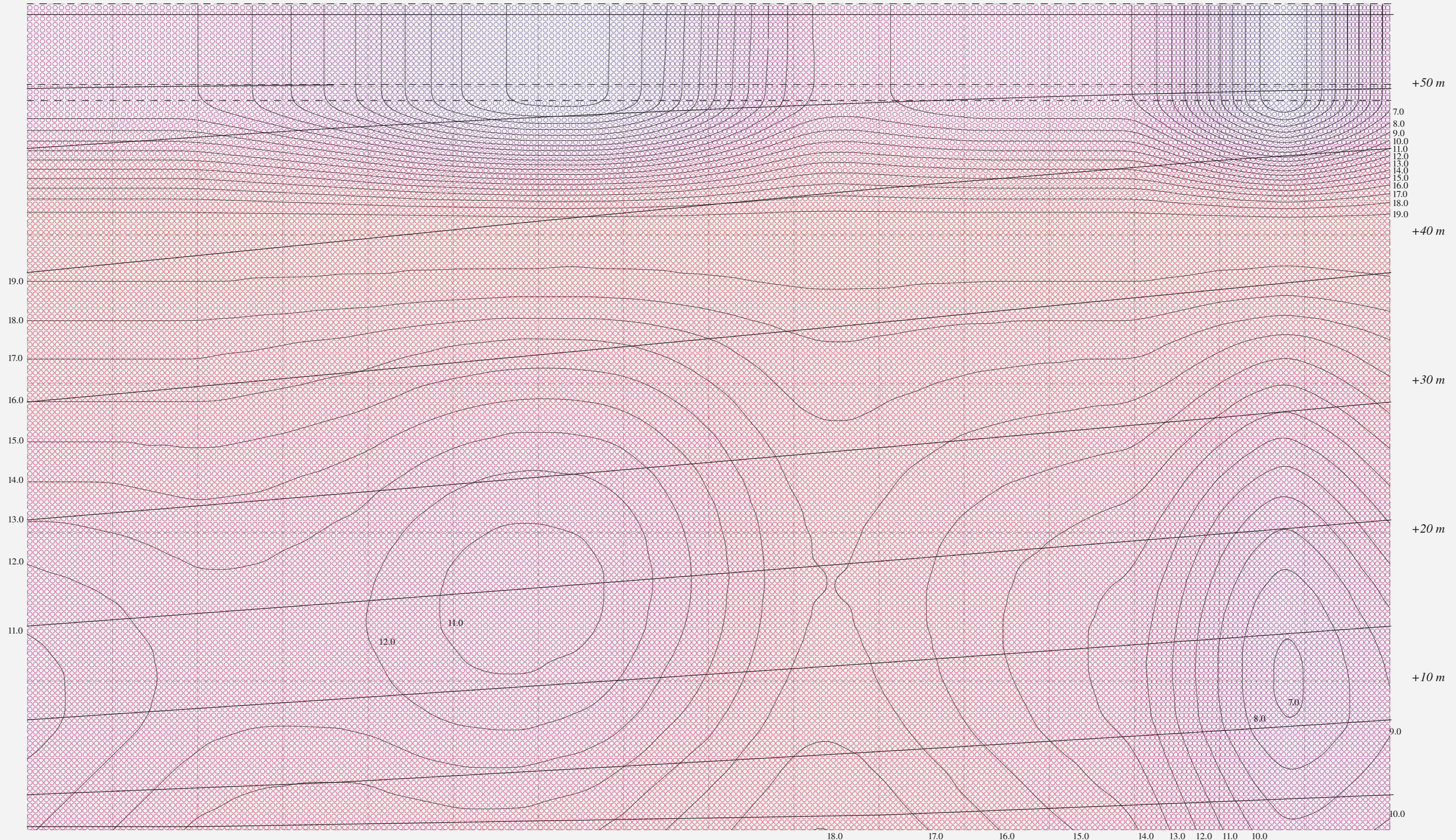
NIEDERSCHLAG und TEMPERATUR
HEIDELBERG



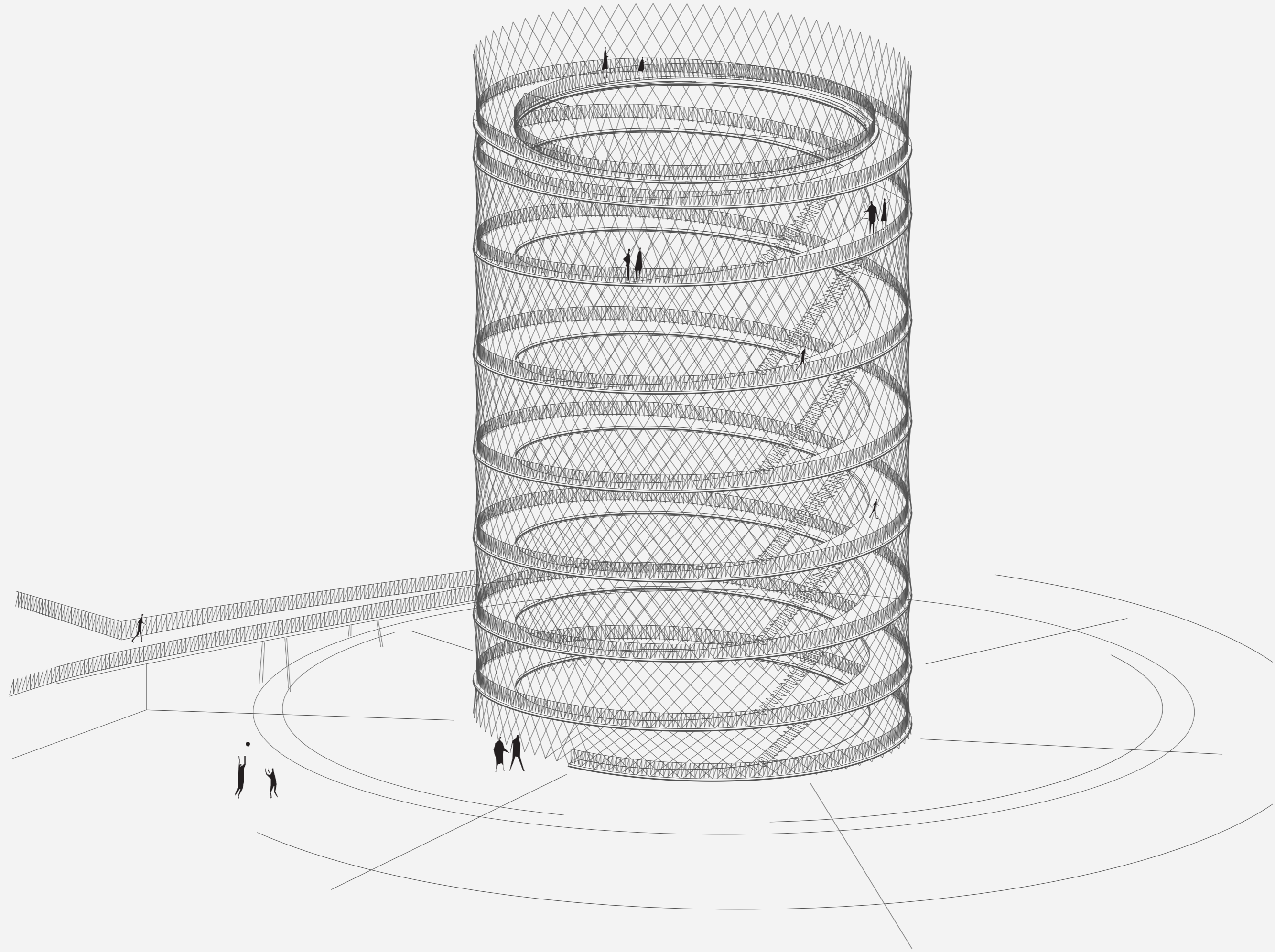
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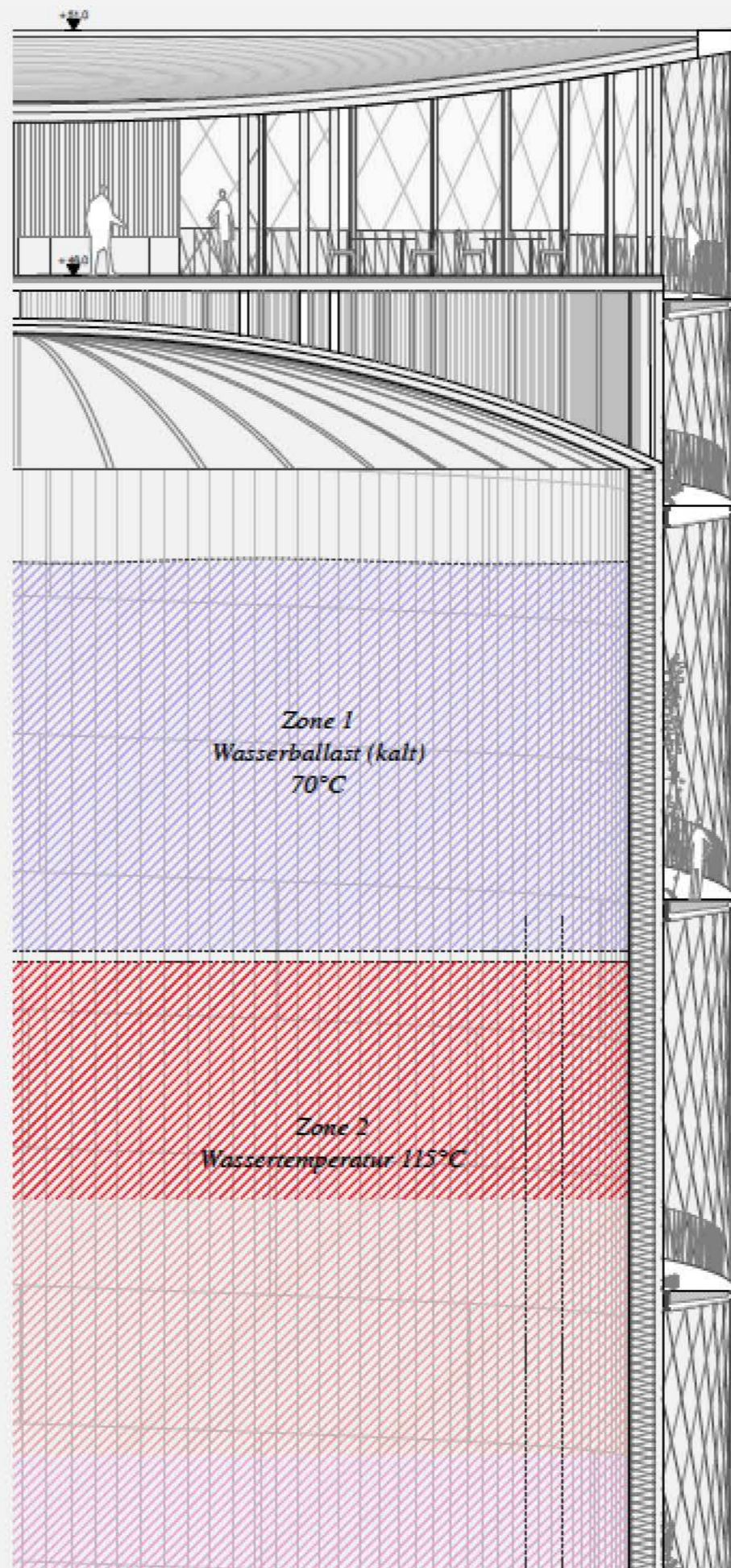
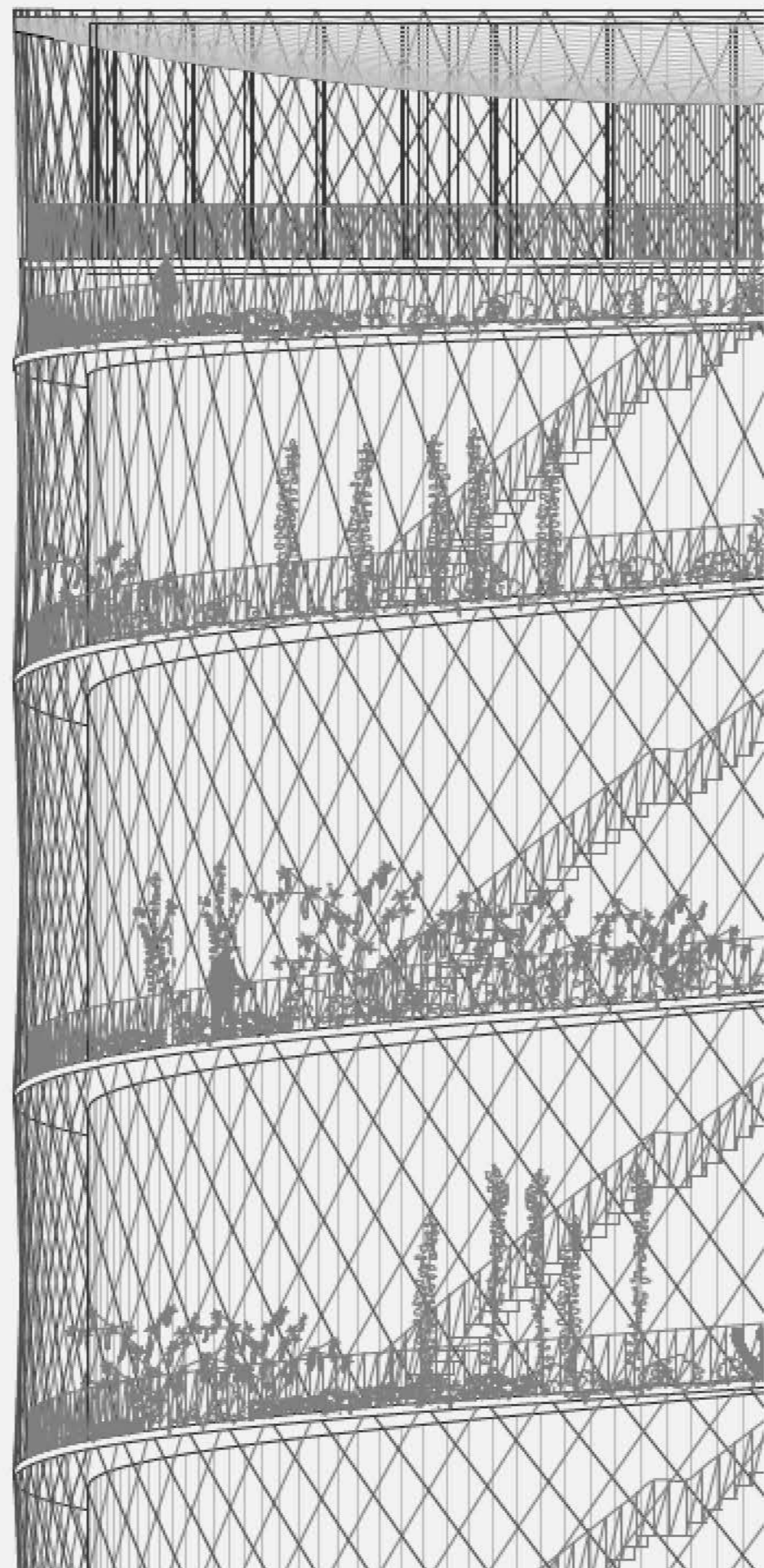
0.0 1.0 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0

0.0 1.0 2.0 3.0 4.0 5.0 6.0



18.0 17.0 16.0 15.0 14.0 13.0 12.0 11.0 10.0



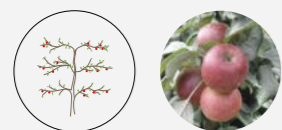




garden crops atlas

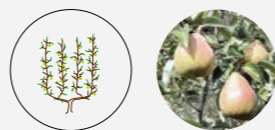


OBSTEBENE



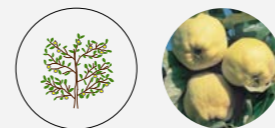
MALUS DOMESTICA 'ARBAT'
(Apfel)

Wuchs : schwach
Blüte : weiß rosa, April / Mai
Blatt : rote Herbstfärbung
Frucht : süß, saftig, würzig,
schmelzend
Verw. : Tafelobst, Kompott,
Kuchen, Saft



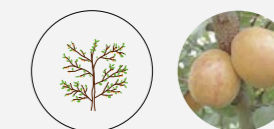
PYRUS DOMESTICA 'UTAT'
(Birne)

Wuchs : schwach
Blüte : weiß, April / Mai
Blatt : rote Herbstfärbung
Frucht : rötlich, fest Saftig
süßsauer
Verw. : Tafelobst, Kompott,
Kuchen, Saft



CYDORA OBLONGA 'ROBUSTA'
(Quitte)

Wuchs : schwach
Blüte : hell rosa, Mai / Juni
Blatt : rote Herbstfärbung
Frucht : duftend,
kein Rohverzehr
Verw. : Gelee, Pasten,
Kompott, Saft



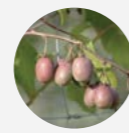
PRUNUS ARMENIACA
(Aprikose)

Wuchs : mittelstark
Blüte : rosaweiß, März / April
Blatt : Herbstfärbung
Frucht : süß, saftig, würzig,
Verw. : Tafelobst, Marmelade,
Kuchen, Kompott



VITIS VINIFERA 'ROMULUS'
(Tafeltraube weiß)

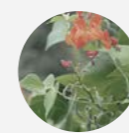
Wuchs : mittel
Blüte : Juni bis August
Blatt : rote Herbstfärbung
Frucht : fruchtig mit feinem
Muscataroma
Verw. : Tafelobst, Saft



ACTINIDIA ARGUTA 'WEIKI'
(kleindrüchtige Kiwi)

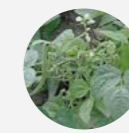
Wuchs : mittelstark
Blüte : weiß, April / Mai
Blatt : eiförmig
Frucht : grün, säuerlich
Verw. : Tafelobst

GEMÜSEEBENE



PHASEOLUS COCCINEUS
(Feuerbohnen)

Blüte : rot, sehr dekorativ
Saat : April bis August
Min°C : 12°C
Ernte : nach 12-16 Wochen
als frische Bohnen
Größe : 3 m



PHASEOLUS VULGARIS
(Stangenbohnen in Sorten)

Blüte : weiß oder violett
Saat : April bis Oktober
Min°C : 13°C
Ernte : nach 7-13 Wochen
als frische Bohnen
Größe : 3 m

“ Wow, von hier
seh ich das Schloss ”

“ Und ich die
Altstadt ”

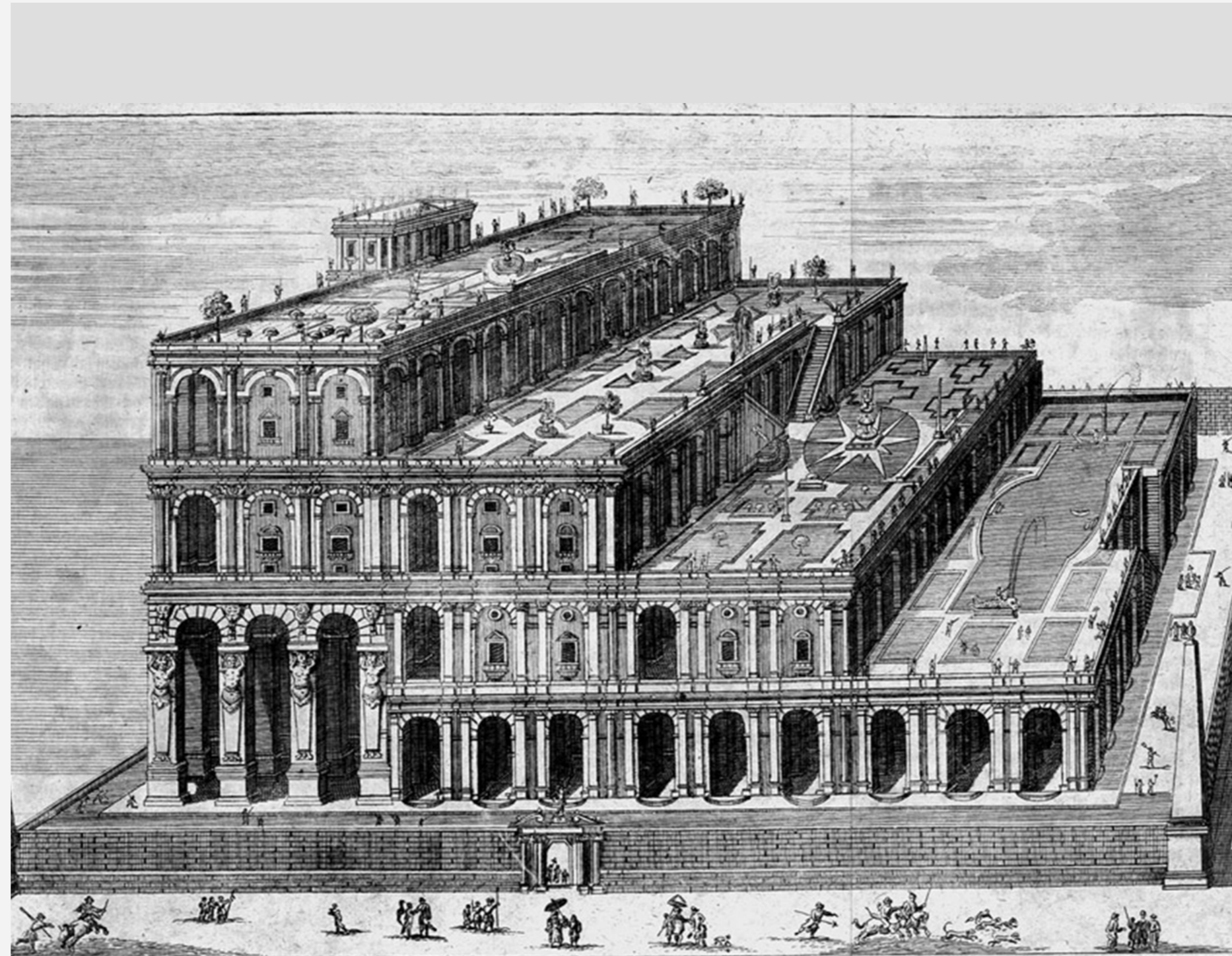






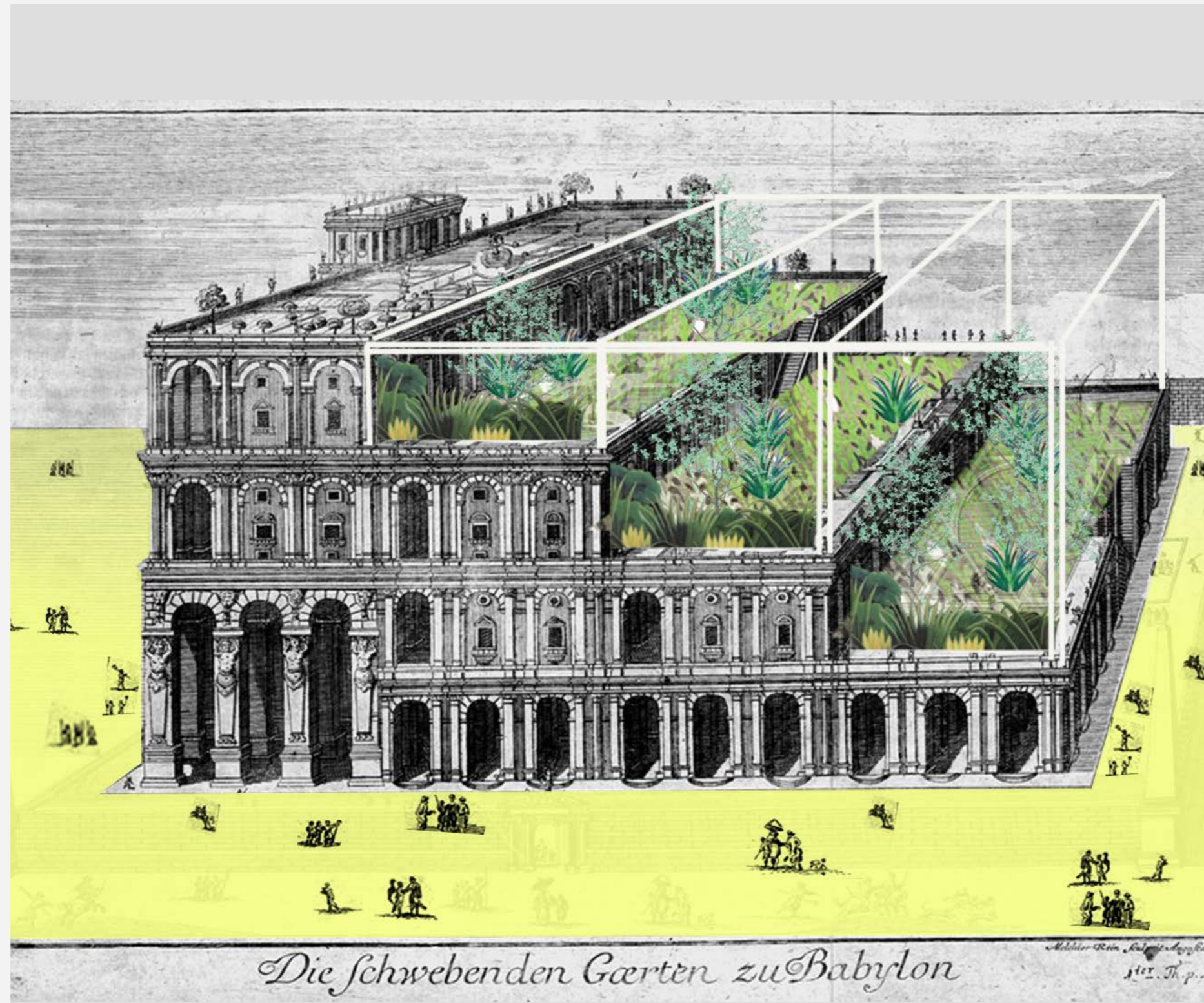
nature as common ground

#58 Trinational IBA Parkstad,
Heerlen
2nd ph competition
2016-



Die schwebenden Garten zu Babylon

Abbildung eines Palastes in Babylon
1712. Th. p. 1



Die schwebenden Gärten zu Babylon

N. Ponce del. J. G. Schlegel sculp. 1787. Th. p. 1.

both garden and house. no footprint. no fences... new prototype retrofitting suburbia !

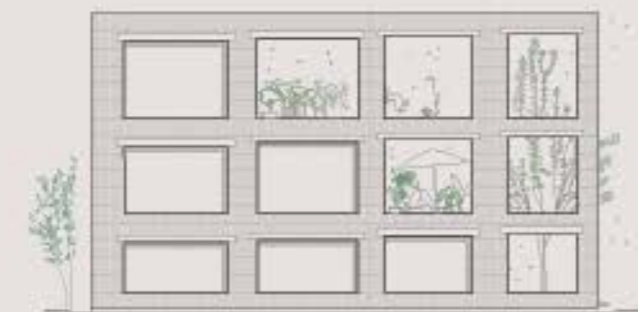
EDITORIAL
prototypical building

What is wrong with the houses we build? More than 200'000 houses get constructed every year in central Europe, mostly without an architect. Not only that the houses might lack quality, even more horrible is the kind of city they create: endless suburban sprawl and a domesticated idea of nature / your personal green space.

The new prototype should address these problems, but should also be an outlook, a dream of how we want to live in the next decades. The typological response is a prototype that works as a single building as well as a connected pattern. Combining many modules will configure a new kind of city, a densification of our current suburbs into a green and lively district with new houses and different qualities and amenities. The house has no footprint, 100% of the site coverage factor is reserved to garden usage on the terraces.

#no-footprint: a house that combines 100% house and 100% garden. #the private garden becomes part of the house and makes outside fences not necessary anymore. #a low-cost prototype that uses simple building materials and allows for many configurations.

Modules are imagined in different sizes, according to the number of users. From single to collective living, also with the possibility to expand the house. The building materials are low-tech and sustainable, people can get involved again in helping to build the houses, saving costs. The prototype allows for a strategy of phases, working as a single house or as a city module for a new kind of replacing it and introducing new concepts of openness and integration for the districts of our future city.



Elevation 1-100

01 suburbia and its flaws: full of fences, privatized miniature green spaces, no collective ideas and a relatively low density...

retrofitting suburbia ...

02 the prototype inserts smartly into the suburban present condition. It creates larger distances to the neighbors, uses the whole depth of the plot and...

03 on a broader scale: when realizing many of the prototypes, a green park city starts existing, as the private gardens are part of the structure,

04 a new sort of green and dense living, as urban arcadian city, without footprint... the units are combined in different ways, and also be attached to each other, by adding translucent membranes. Open blocks are created, with a relatively urban side and a wild and green inside: a large park is created, for everybody to use for leisure and play as well as for gardening and farming.

creates a more private and intimate garden. Also it allows for a more collective outside space that could be further used for growing vegetables and such.

outside spaces are made communal ("aisende") and the first floors are soon to go. One plot can host several living units, density gets higher ...

translucent membranes. Open blocks are created, with a relatively urban side and a wild and green inside: a large park is created, for everybody to use for leisure and play as well as for gardening and farming.



The prototype (Type B) seen from the entrance: a sequence of spaces and terraces. The house is equally a house and a garden, can either serve as a backdrop for the story, or it can become the protagonist as it takes on both iconographic and symbolic values, depending on the preferred setting as nature is ubiquitous.



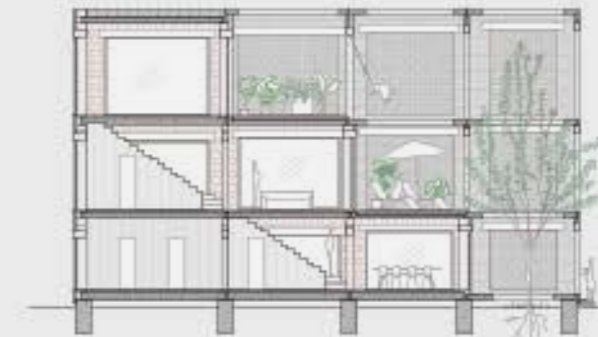
LOW-COST AND LOW-TECH
Two layers of stone: a thick wall substitutes any necessary insulation. The inside world remains raw and red, the outside shell can be executed in different bricks. The prototype shows a white and minimal facade.



Front view from the street. Green facade as the garden side usually faces the street and creates a new intimate "front garden" and entrance.



The back side (inside the block) becomes a more intimate and green collective part that can be used for gardening and farming and serves as a calm area to which all private spaces as bed rooms etc. are directed to.



Longitudinal section 2-2 1-100

What a difference a week makes

Paul Alsteen test lived the new IBA prototype and reports for us

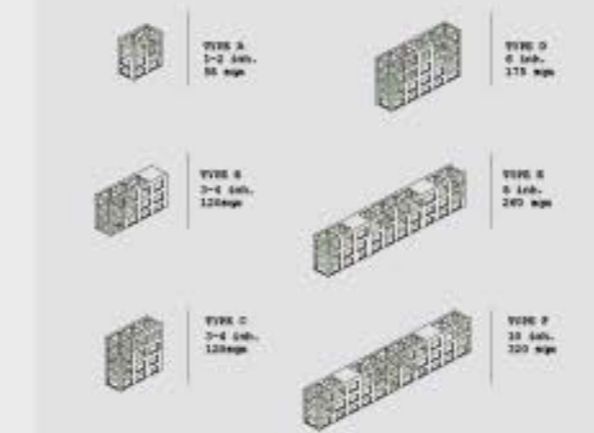
They handed us working but an unfinished but not an address being one of those urban exif-trives that I was trying to think. I don't really remember why I said yes when asked who wants to test live the newly realized IBA prototype, but was probably it was my curiosity for everything new.

The day left the city, wanting one of those living suburbs neighborhoods that reminded me of where I grew up. Why did they place the prototype here? Single-family houses, some mixed facades, some brownish walls, but the greatest of all feelings you can get. The car stopped in front of my new house for the rest week, it seemed unlike the neighbors. Still less familiar than I expected. Small walls, many windows, some are full of plants. Just as all like plants, we stop up to the entrance that sits behind a wall inside garden and holds a nice apple tree. Looking up I got surprised the first of my time this week: a sequence of terraces. A beautiful setting, full of plants in many levels, my feeling was being in a relaxing house. By neighbor on the left, the house owner's land, the actually just wanted to

near the coming days I explore all of the house, the inside relations and the outside spaces. The tiny bathroom had a high top. The different bedrooms were quite only because the higher up or further away from the entrance. What once very powerful in how all spaces - inside and outside - are not too different from each other and yet not similar: slightly varying in size and height and opening. Drawing very different feeling of being connected to the outside, view appears in the sky, being outside but next to your bed. I try not being up moving coffee on the several terraces. When it gets too warm I adjust to the darker and cooler inner spaces, or preferred spot for sunbath with in the afternoon I open like outside the house where a little can work into the house, with all the little vegetation growing here, cultivating them, watering them. The house is not overwhelming, it doesn't feel like a weird future from Blade Runner. It is more about a general atmosphere that is unusual. And so I start wondering why not more people would live in this neighborhood here being interesting houses. My neighbor on the left, the house owner's land, the actually just wanted to

invite himself and so I am having fun over the inside garden in when the old lady likes the sun and after having a lot and giving an advice of how to care for all the plants, she leaves with both of us smiling.

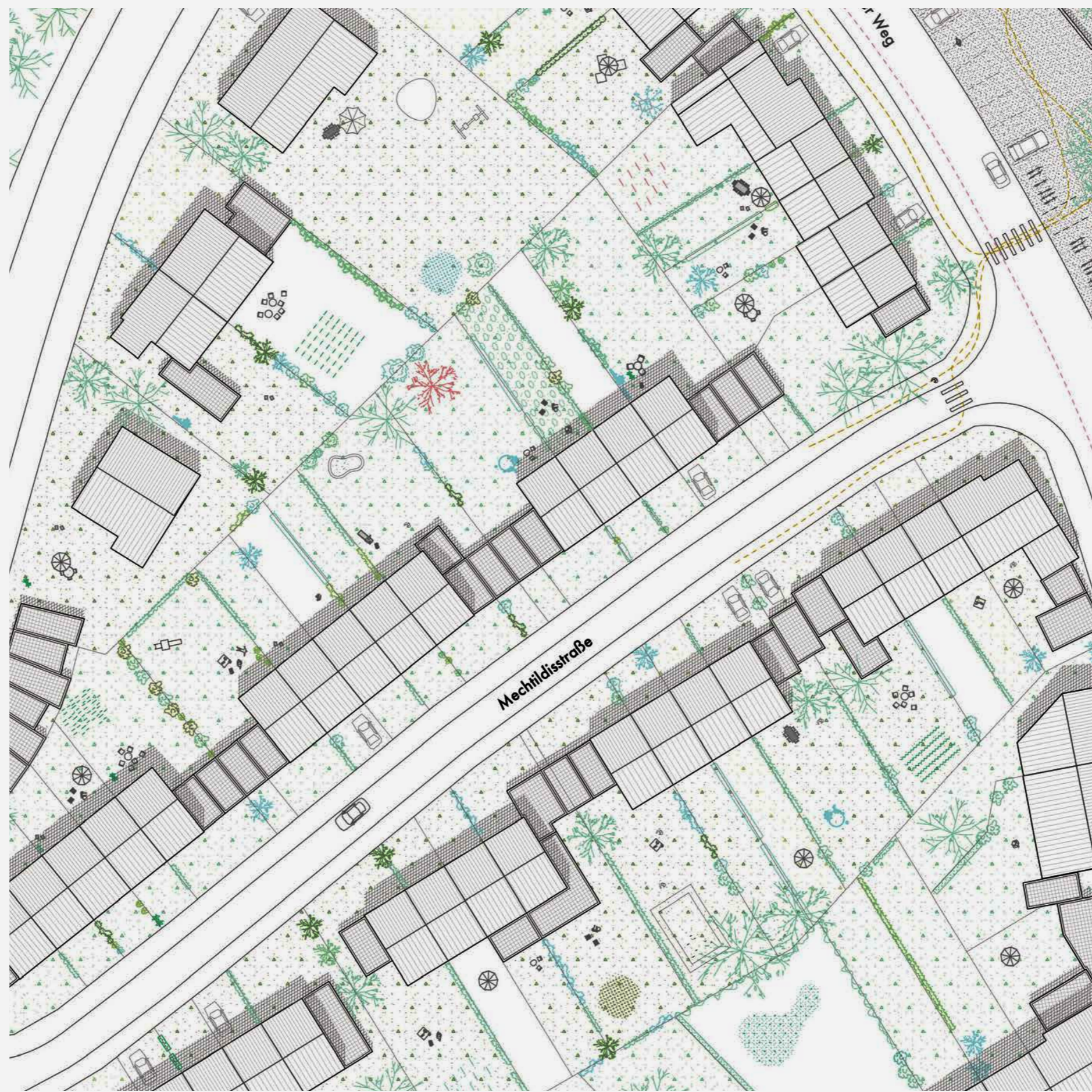
For two more nights my girlfriend stays over and we invite friends for dinner. The set is much about the house while evening, but people are chatting on the terrace, preparing food together in the open kitchen or just hanging out in the living room (which is another room, but also basically just the same room as the kitchen). We experience the prototype as a sequence of many spaces, but also as one momentary space. It reminds me of how we might need to see ourselves too, individuals that are able to connect, but oversteering and a continuous reconnection of ourselves and our network. It is quite late when everything leaves, and my friend James John around and congratulates us on our new house. It is more for only one more night, but the idea of living in this prototype feels more comfortable than I ever imagined. What a difference a week makes. What a difference a house makes. I

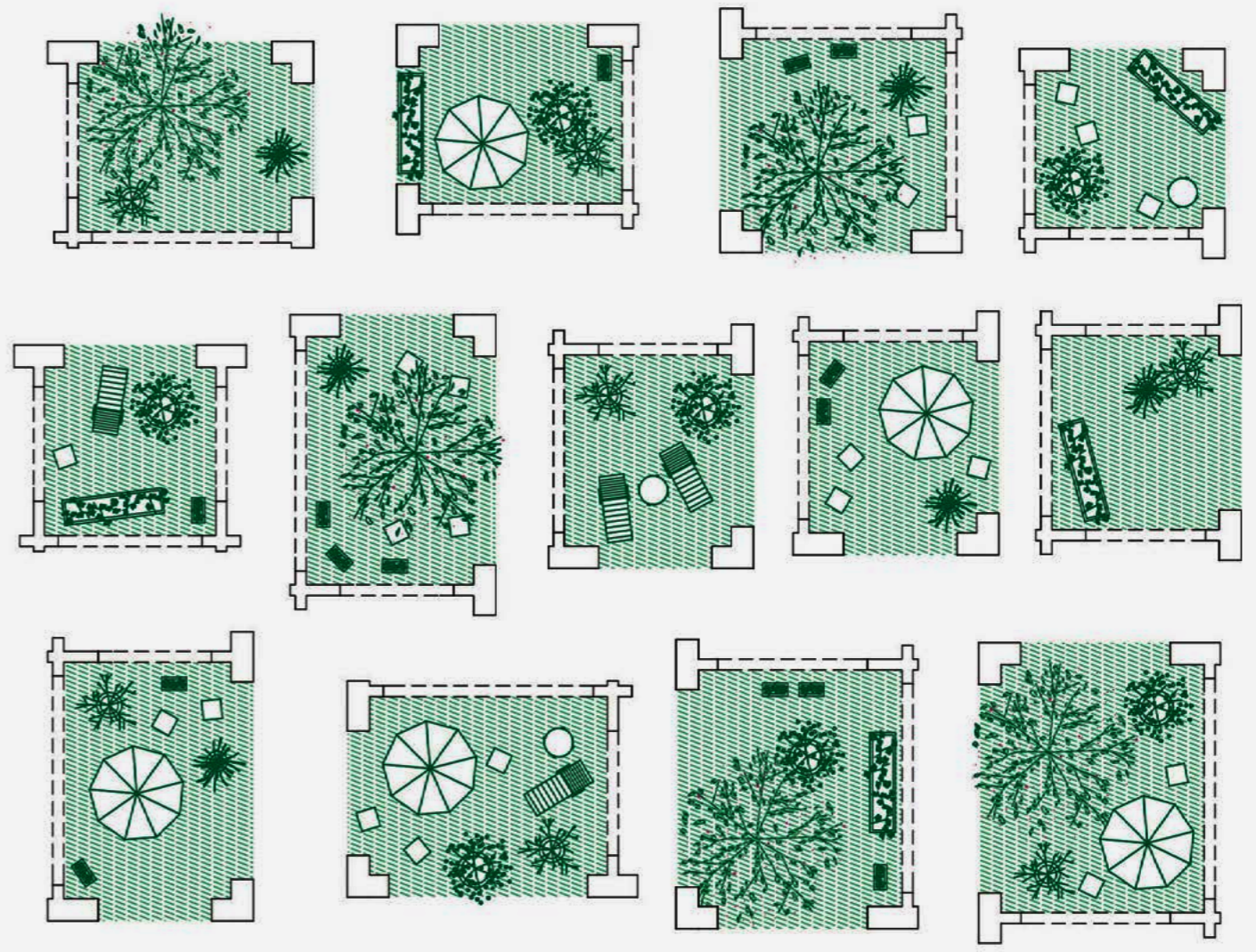
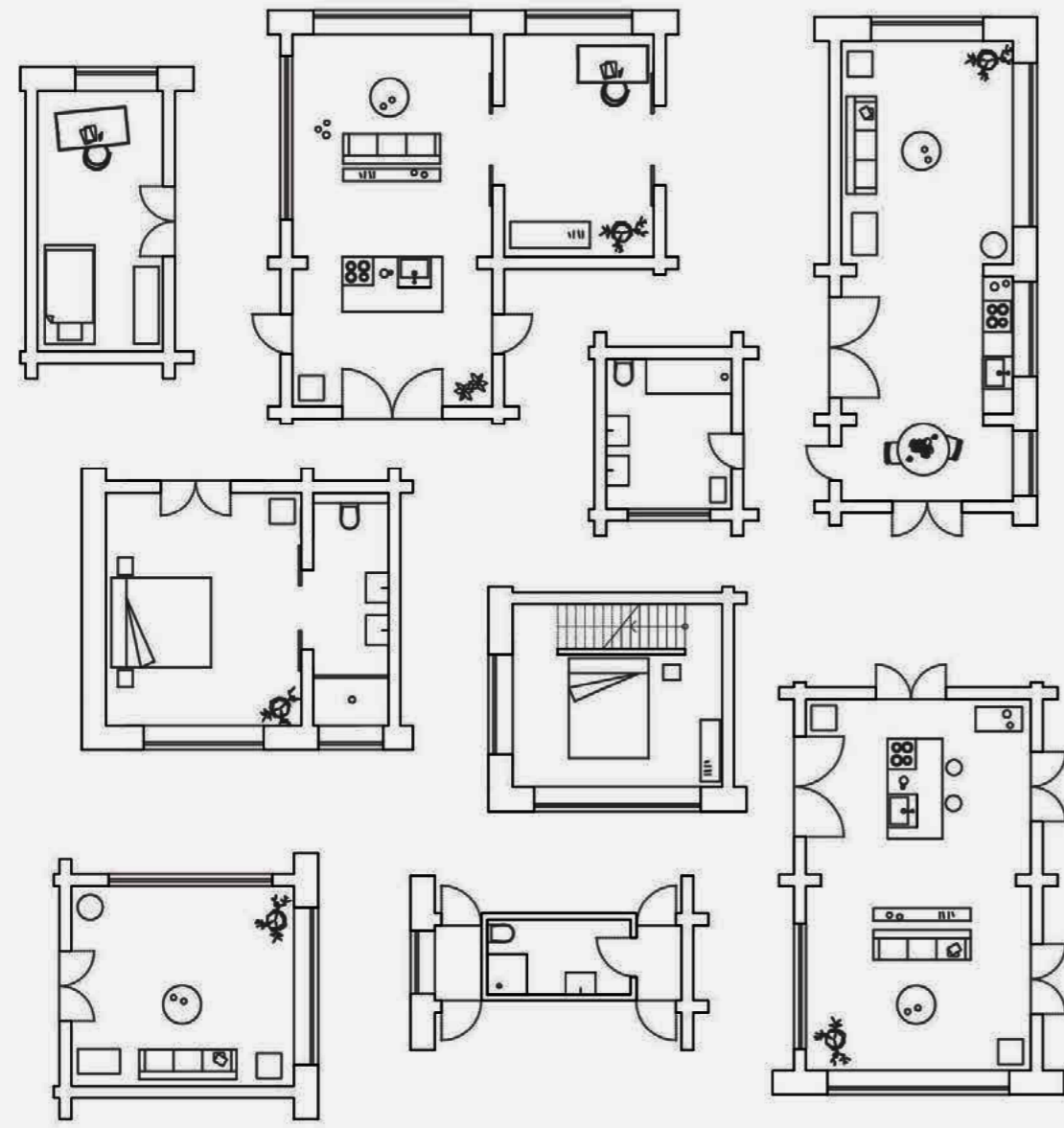


DIFFERENT TYPES WITHIN THE MODULAR SYSTEM

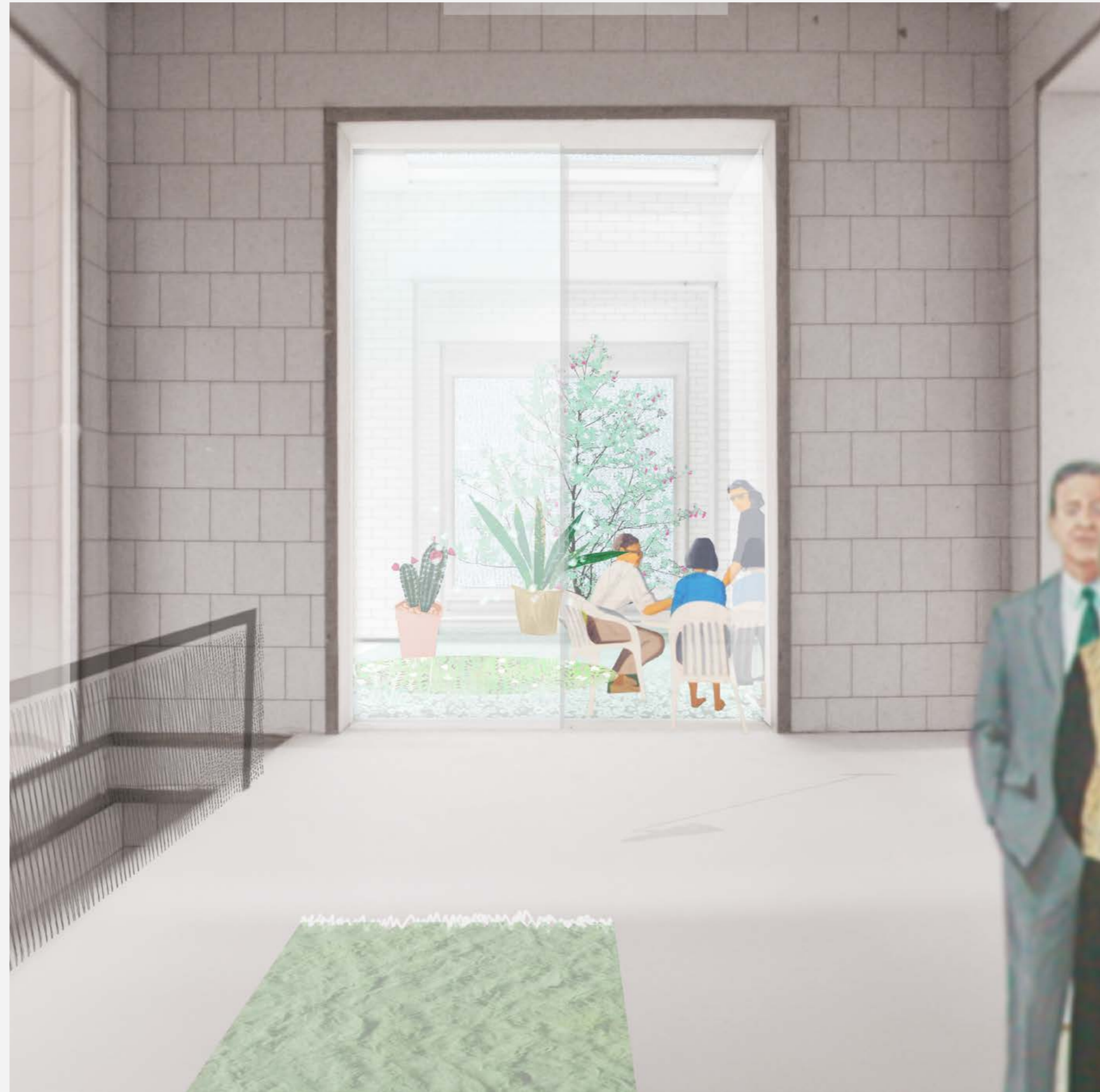
Ground Floor 1-100
First Floor 1-100
Second Floor 1-100

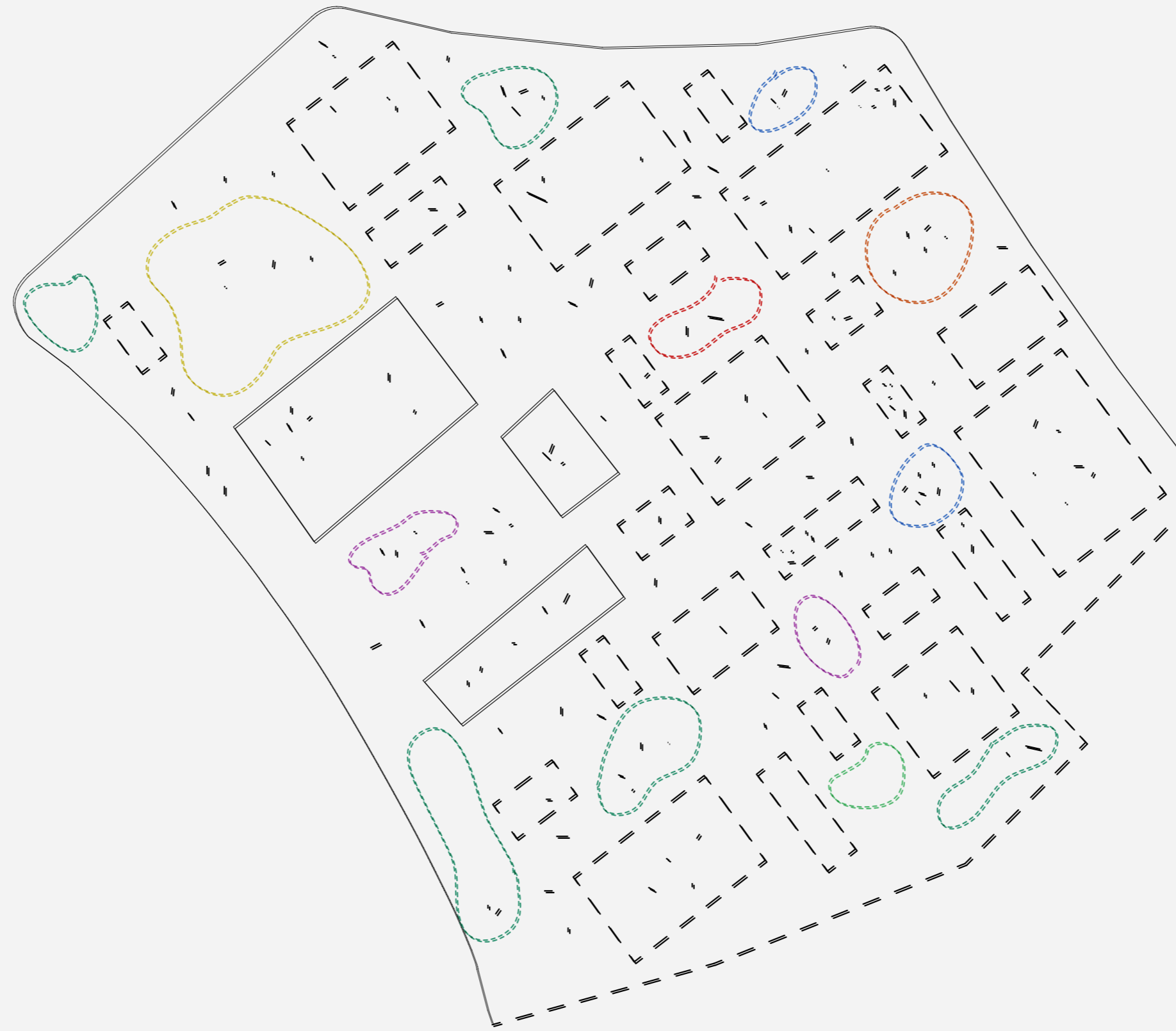


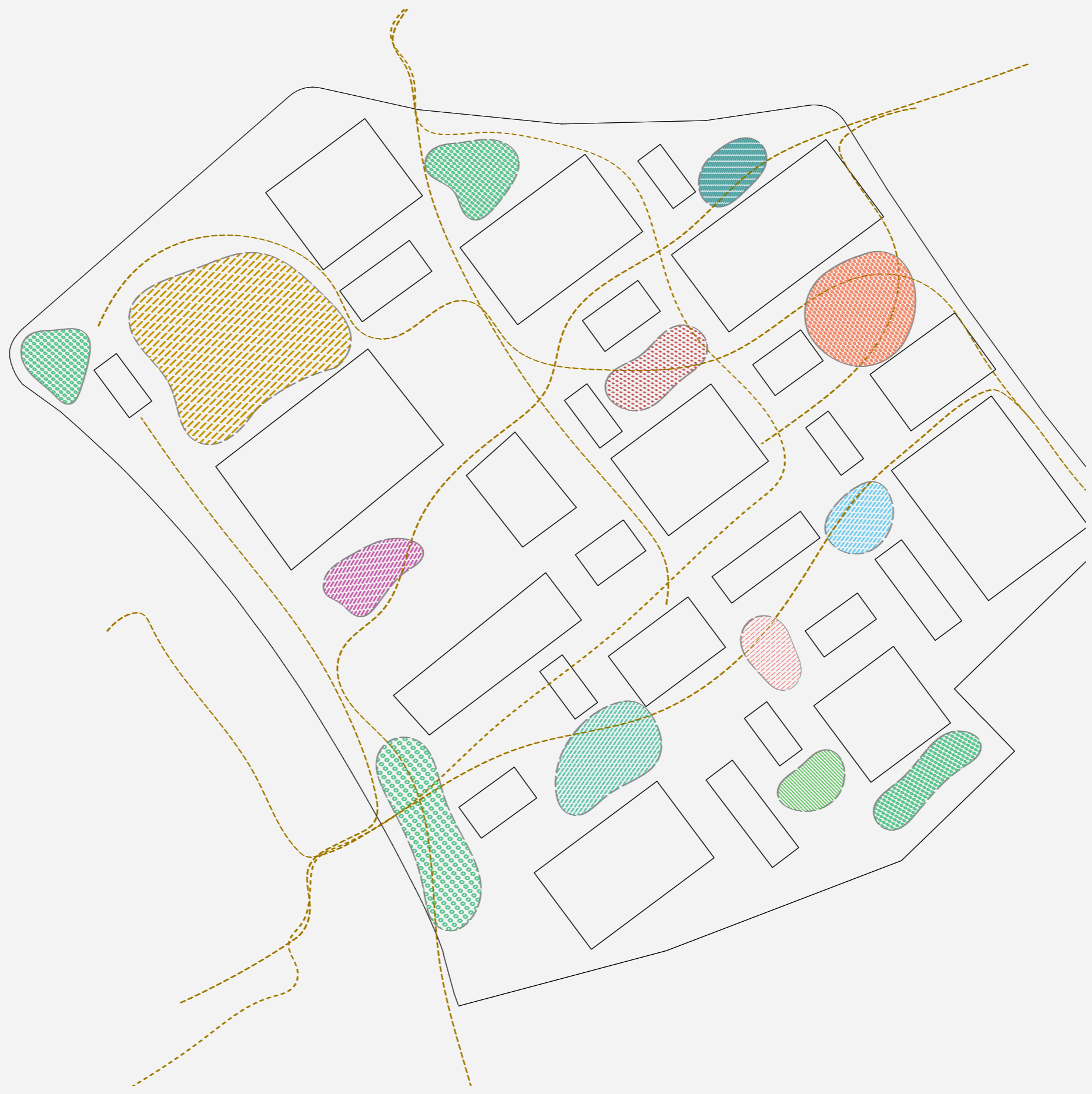


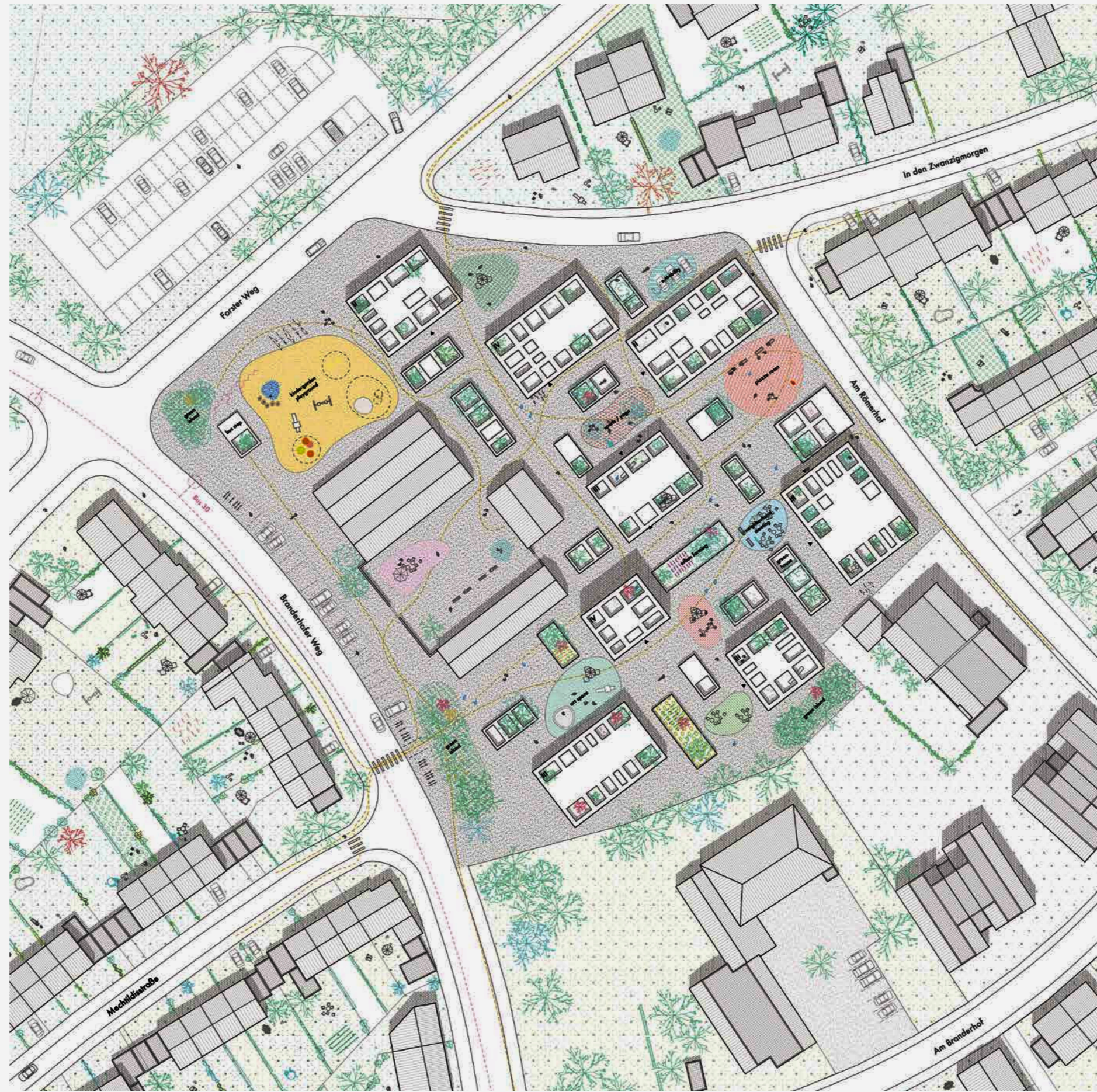




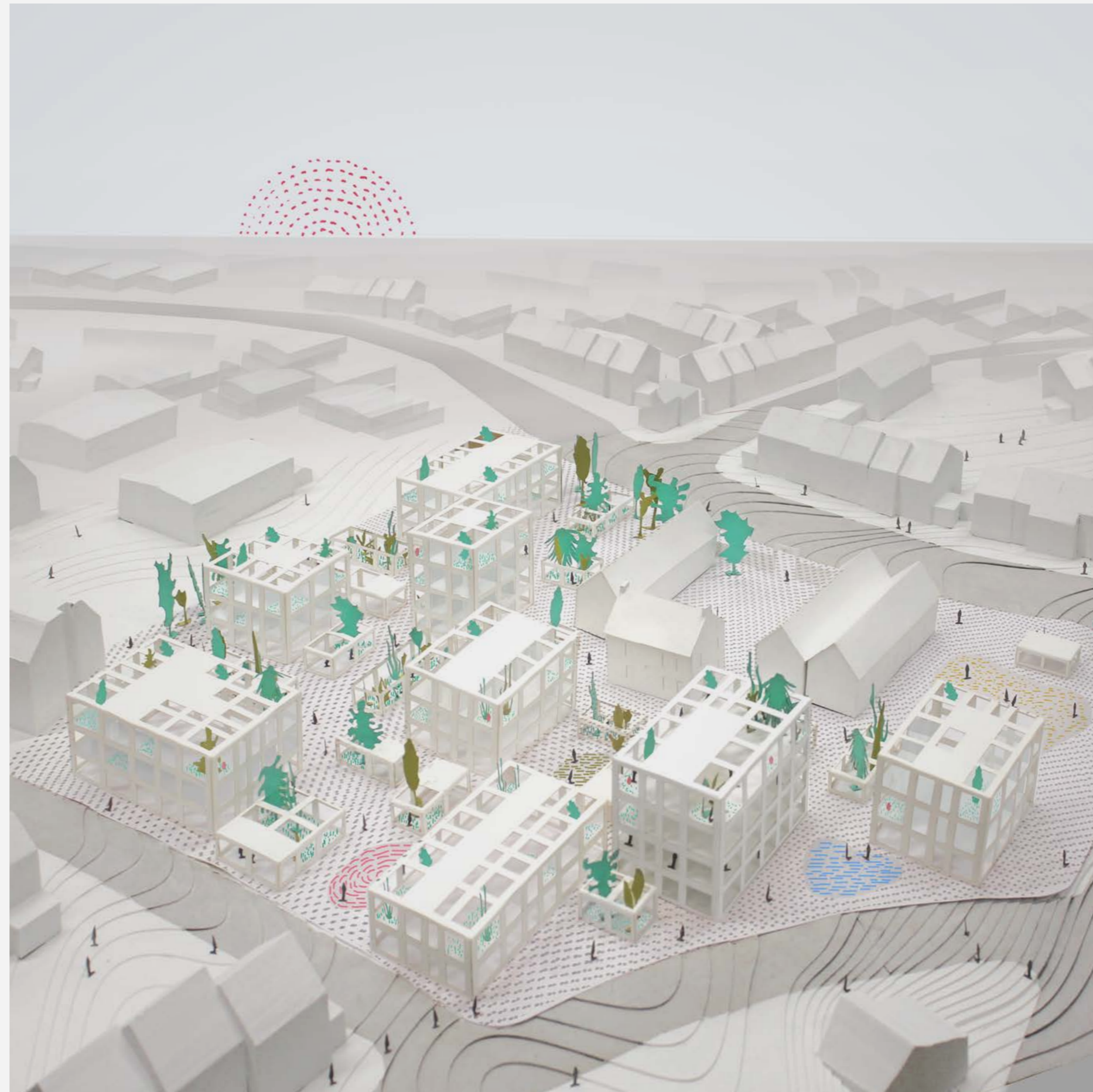






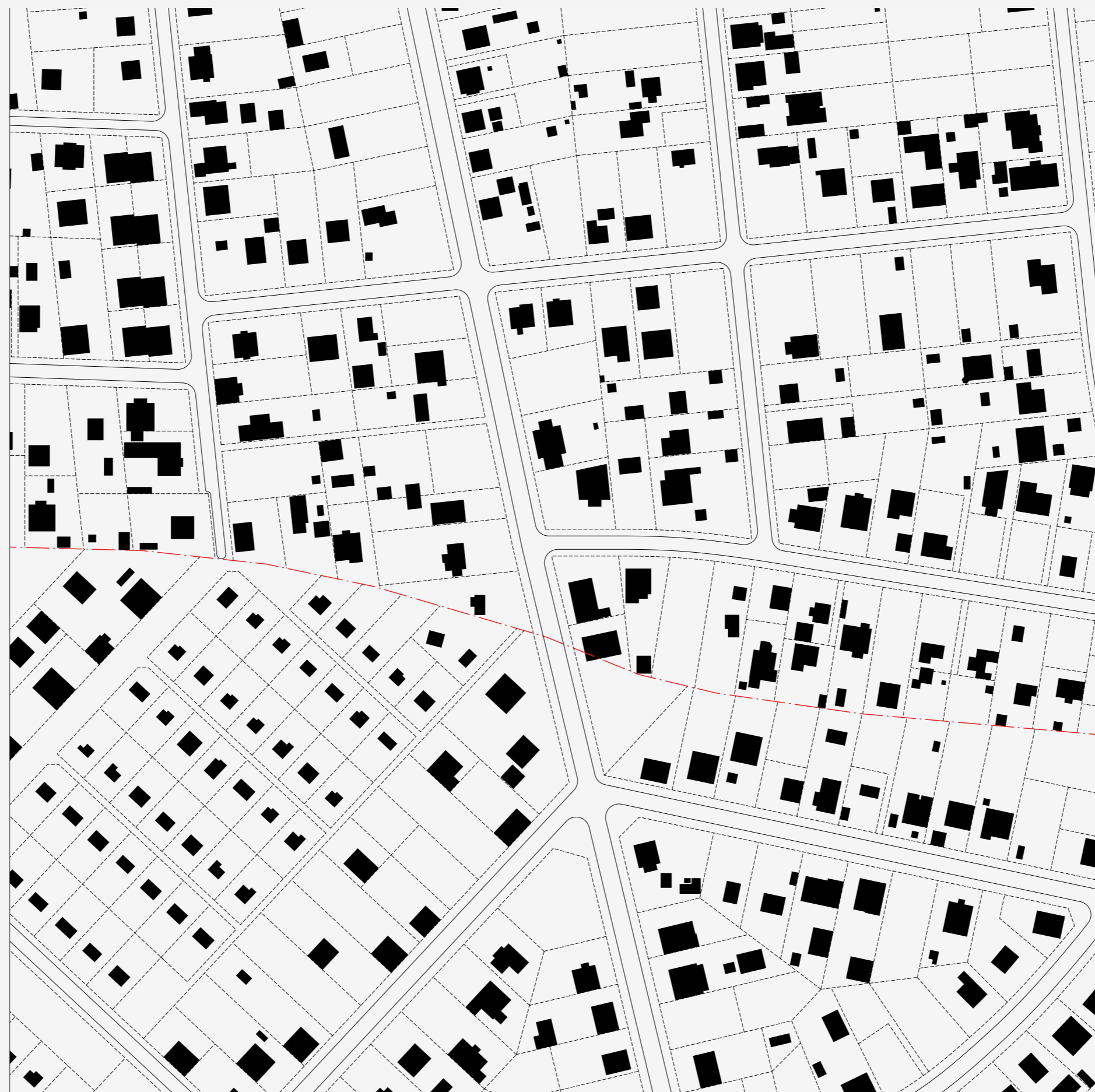


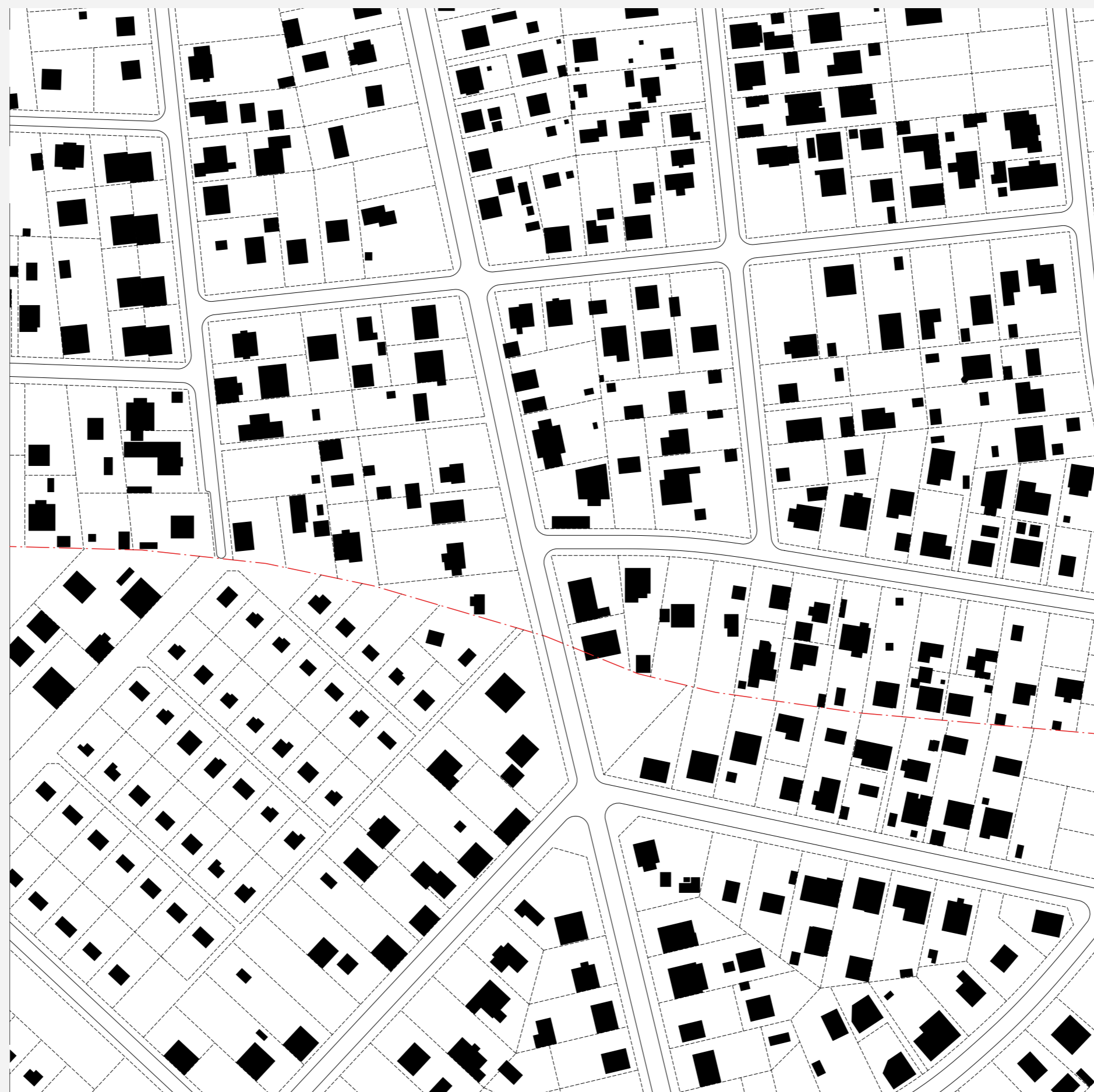




nature as economic reality

WS Dessau institute of Architecture,
FAKT studio
„Law of the Jungle“
teaching
2016

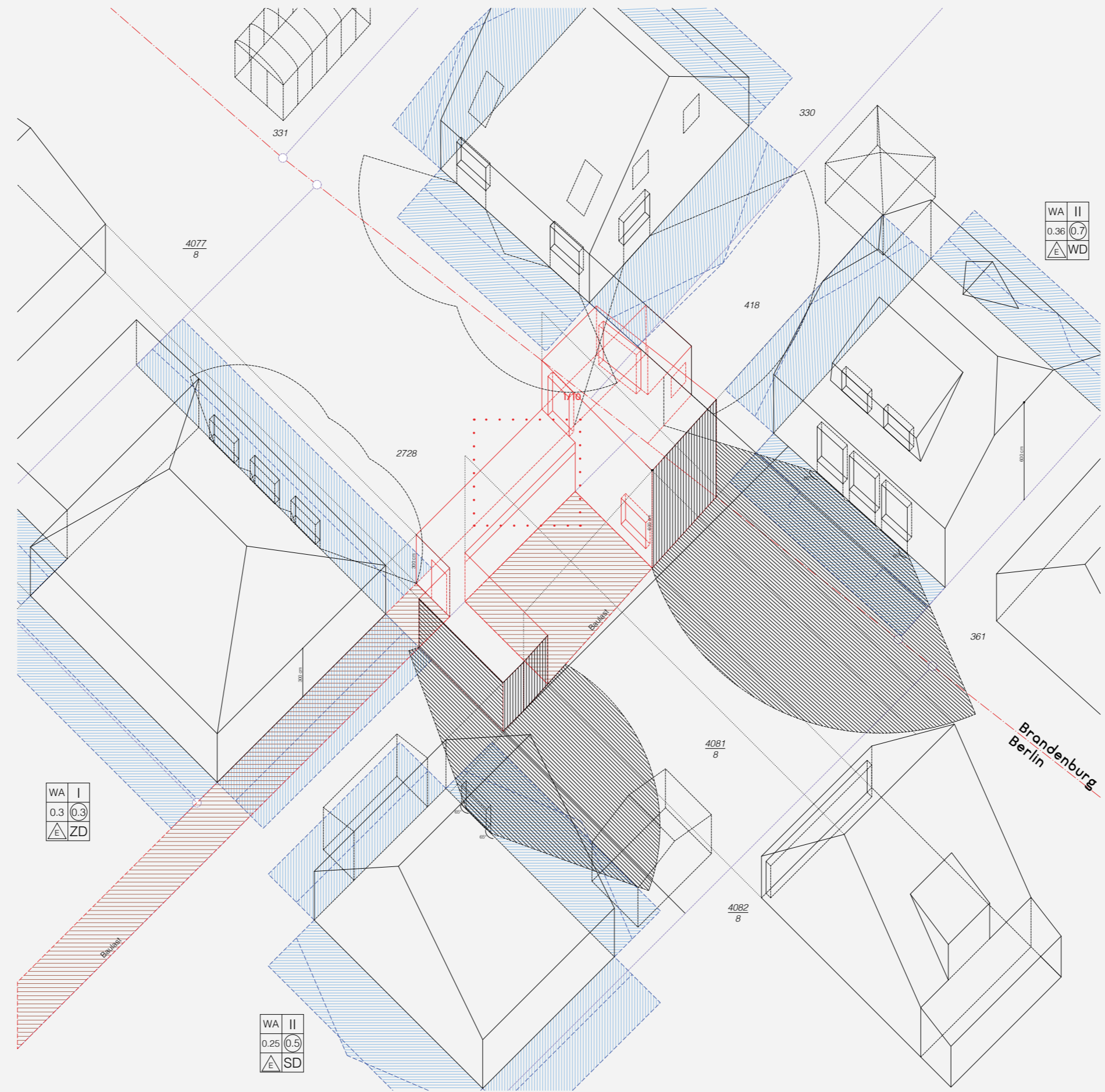








NO_03_hypertrophic_carpet Esteban Lamm



WA	II
0.36	0.7
△	WD

WA	I
0.3	0.3
△	ZD

WA	II
0.25	0.5
△	SD

THANKS

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