

BEFORE THE FLOOD

A world in Le Havre

Architecture & Experience

WORKBOOK

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ENSAVT Paris Est SP 2021

BEFORE THE FLOOD

A world in Le Havre

An hypothesis on collective Housing

Architecture & Experience

SOUTENANCE

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Before the flood – a world in Le Havre

After having tested the hypothesis to build a world in Arc-et-Senans, Guise, Clairevivre and Firminy, we settle this year in the city of Le Havre.

We are interested in this city for many reasons and particularly for its capacity to condense several dimensions able to inform the projects. Due to its singular geographic position, at the estuary of the Seine, Le Havre is one of the most important European ports. Built at the beginning of the 16th century, the growth of the port goes alongside with the fast economic development of the city and the rise of pre-industrial brick and tile workshops. Some see this port as the entrance port to Paris, like the Piraeus for Athens. Le Havre is at the crossroad of landscapes, in-between land and sea, the Seine and the Channel, clear and saltwater, giving it a special quality. Thus, the city is also imbued with the imaginary of Perret who actively participated to the post-war Reconstruction.

Nevertheless, its geographic situation is also the sword of Damocles of Le Havre. Following the most pessimist projections of the IPPC (GIEC), the average water levels could rise by one meter until 2100. This rise of water levels increases the risk of water submersions, permanent or temporary, the risk of coastal erosion, increases salt intrusions into coastal aquifer, thus increases the risk on coastal and port infrastructures. Le Havre is then on the frontline facing environmental issues that makes it a representative subject to study the question of the coastal fringe. This question is even more relevant that by the year of 2040, in France, coastal regions could gather a third of the population.

By the interest on the coastal fringe landscape, the aim of a world in Le Havre is to evaluate the consequences of such a situation on the architecture and how this situation opens a huge field of experimentation that leads us to question the definition of architecture. In other words, the question is to understand how the architectural form could be deeply redefined in relation with the environmental issues and then generate unexpected results. Environmental imbalances create a strong paradigm shift that forces us to radically think about our relations to the territory, the construction, the mobility, the uses, etc. and thus to define new balances within the architectural form. In addressing the subject of environmental issues through the means of architecture, we affirm our attachment to the definition of architecture as a knowledgeable and exploratory discipline while outlining the contours of a possible disciplinary approach of the environment in order to propose new standards of comfort.

These explorations on the definition of the architectural form and new standards echoes with the work of Perret for the Reconstruction of Le Havre. He developed the “Immeuble standard” or “Appartement modulaire” both based on the use of a constructive grid of 6,24 meter offering at once standardization of the construction and flexibility of uses in order to “inscribe city in measure, like a musical harmony”, to use his words.



2020



2100



Site 1 - CLIFF



Site 2 - CITY CENTER



Site 3 - HARBOR



Site 2 - SWAMP



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Site 1
Cliff





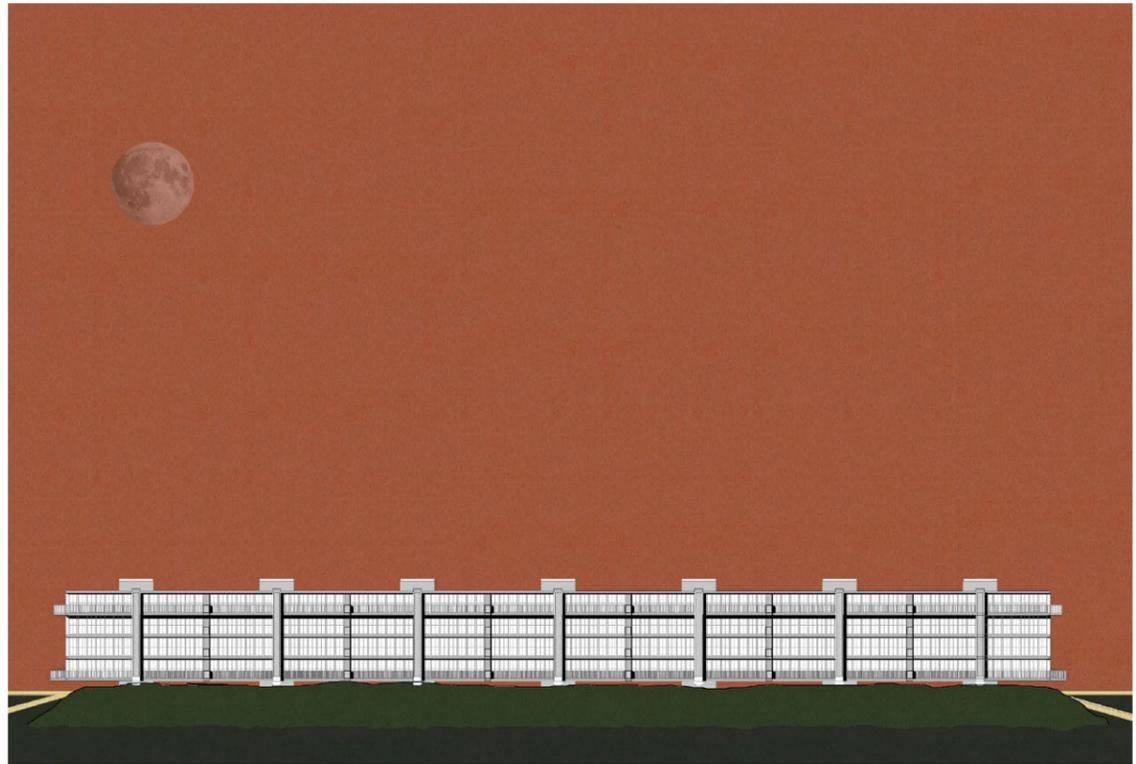
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HUNDRED YEARS
LOW RISE - HIGH DENSITY
7M

Clémence Hugues



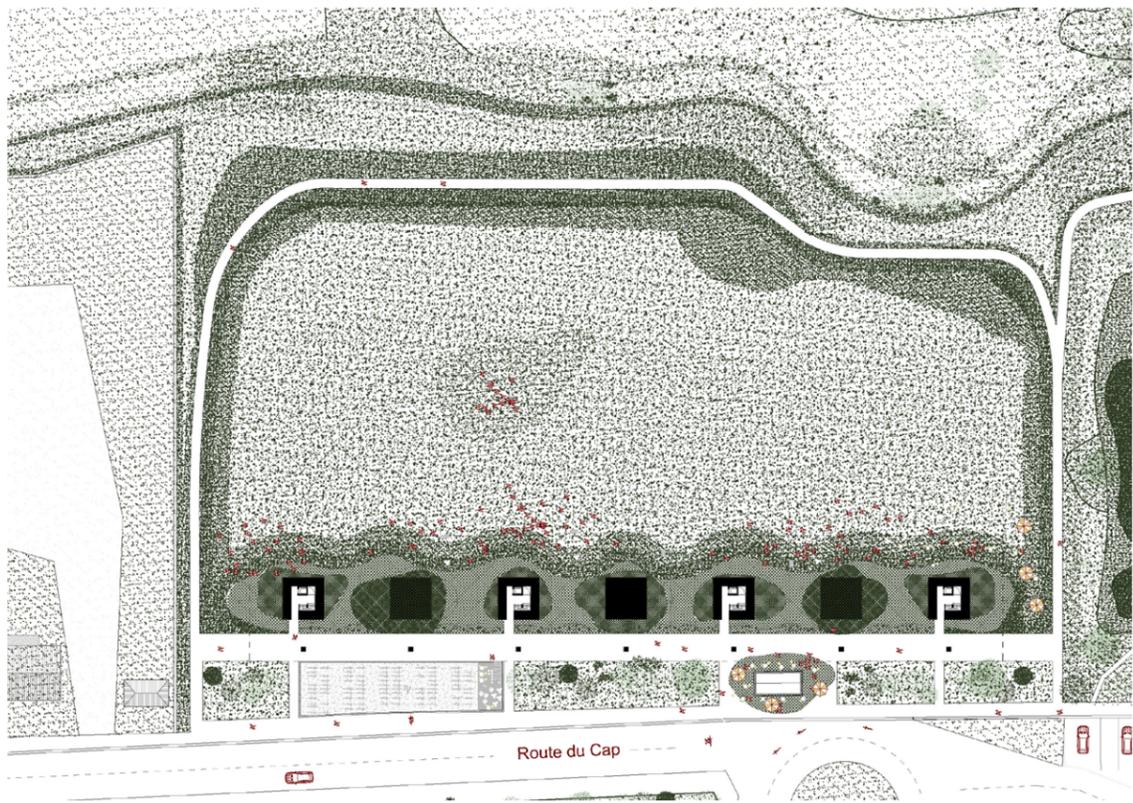




02

HUNDRED YEARS
LINEAR BUILDING
21M

Sebastian Baumann



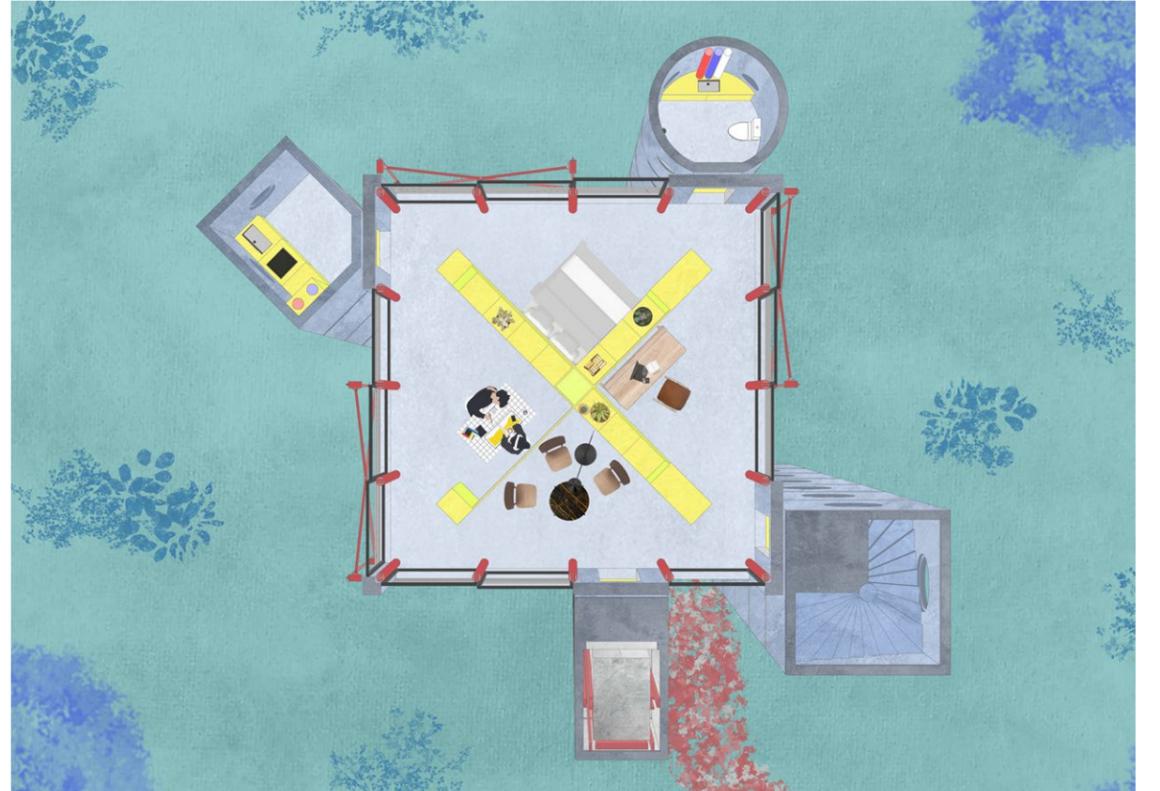


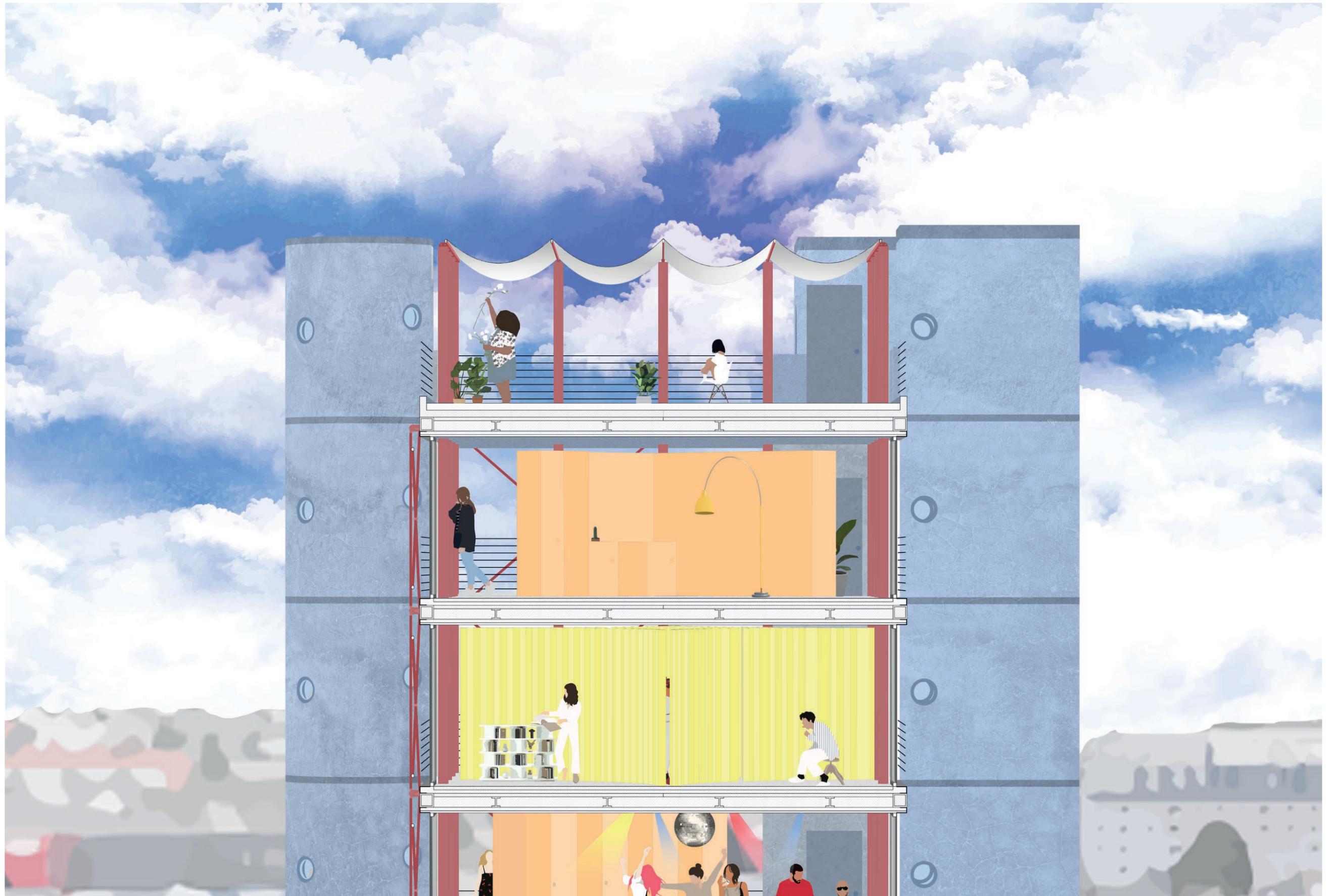


03

HUNDRED YEARS
VERTICAL BUILDING
7M

Lucas Vaudoux







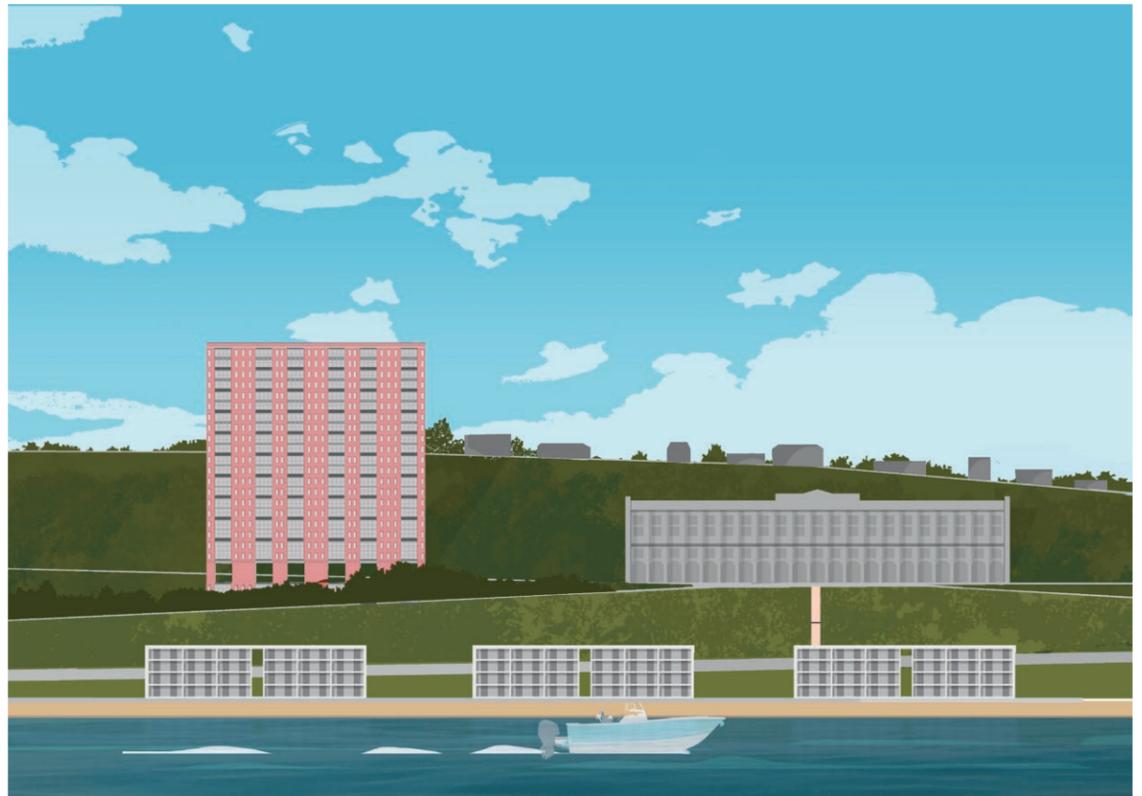
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POST-COMFORT
LOW RISE - HIGH DENSITY
14M

Loic Castellotto



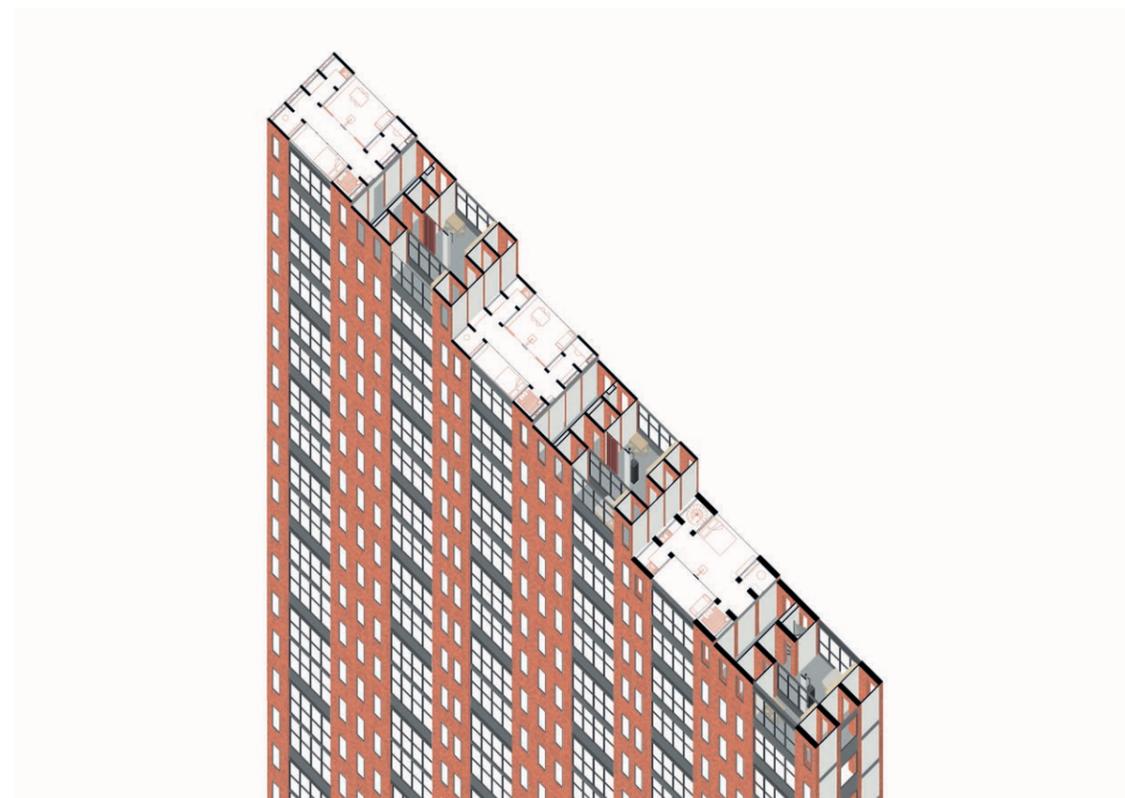
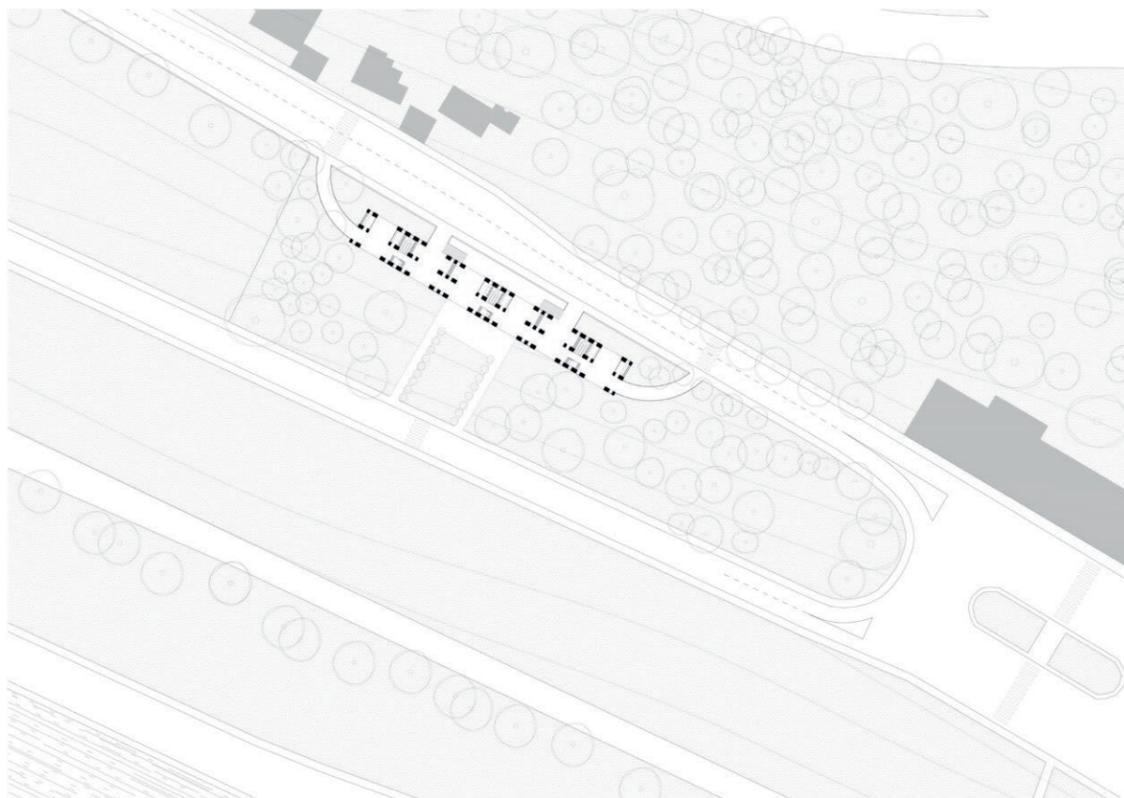




05

POST-COMFORT
VERTICAL BUILDING
7M

Enzo d'Auria



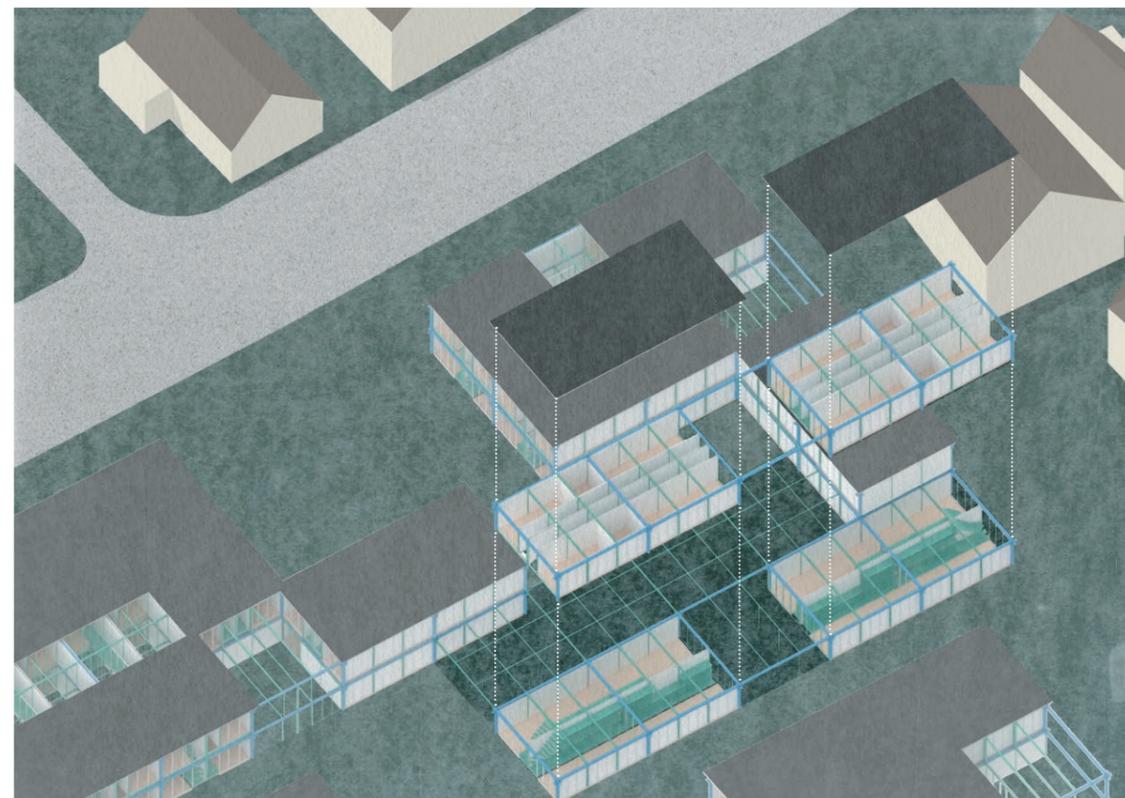


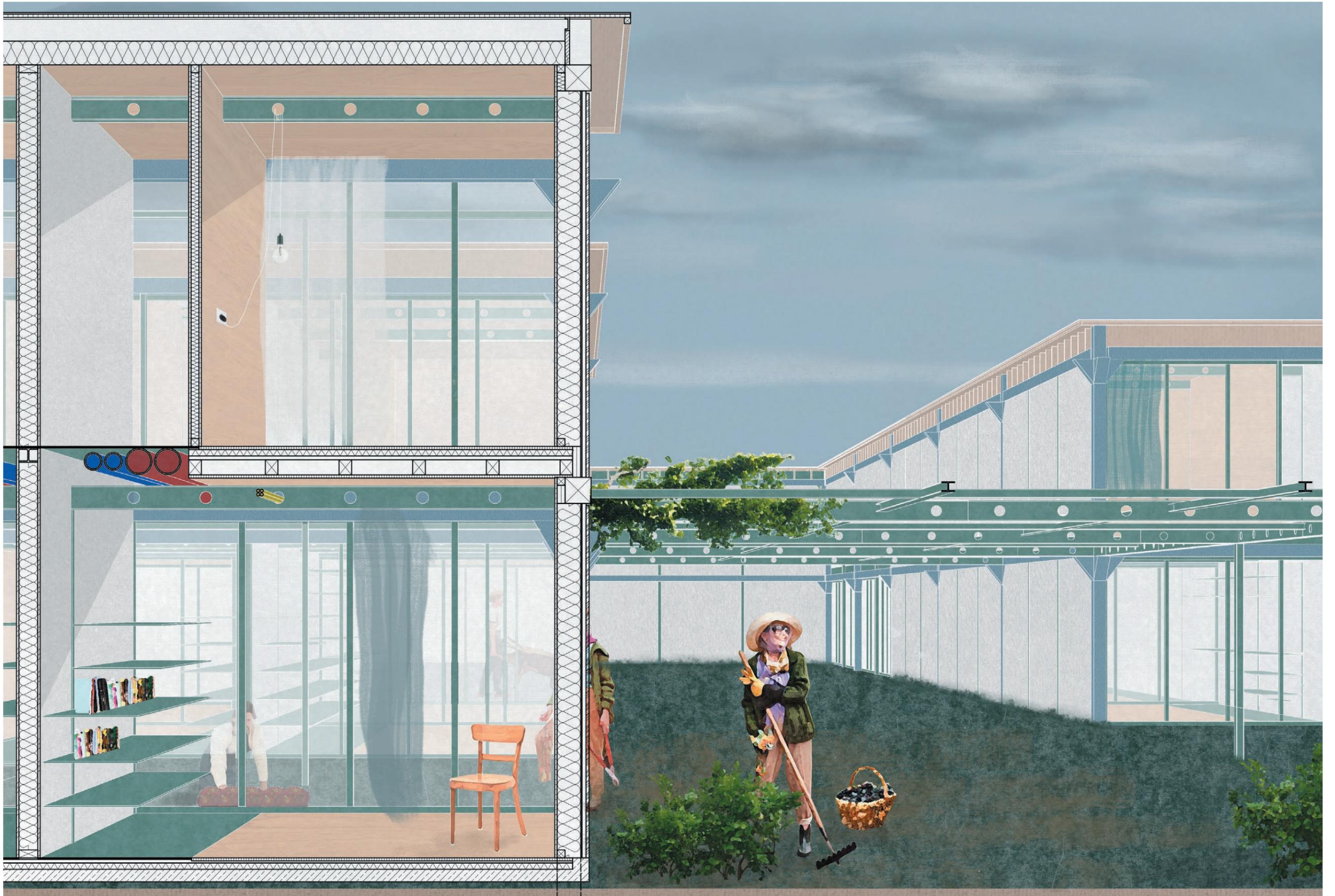


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DOING TOGETHER
LOW RISE - HIGH DENSITY
21M

Laura Neumann



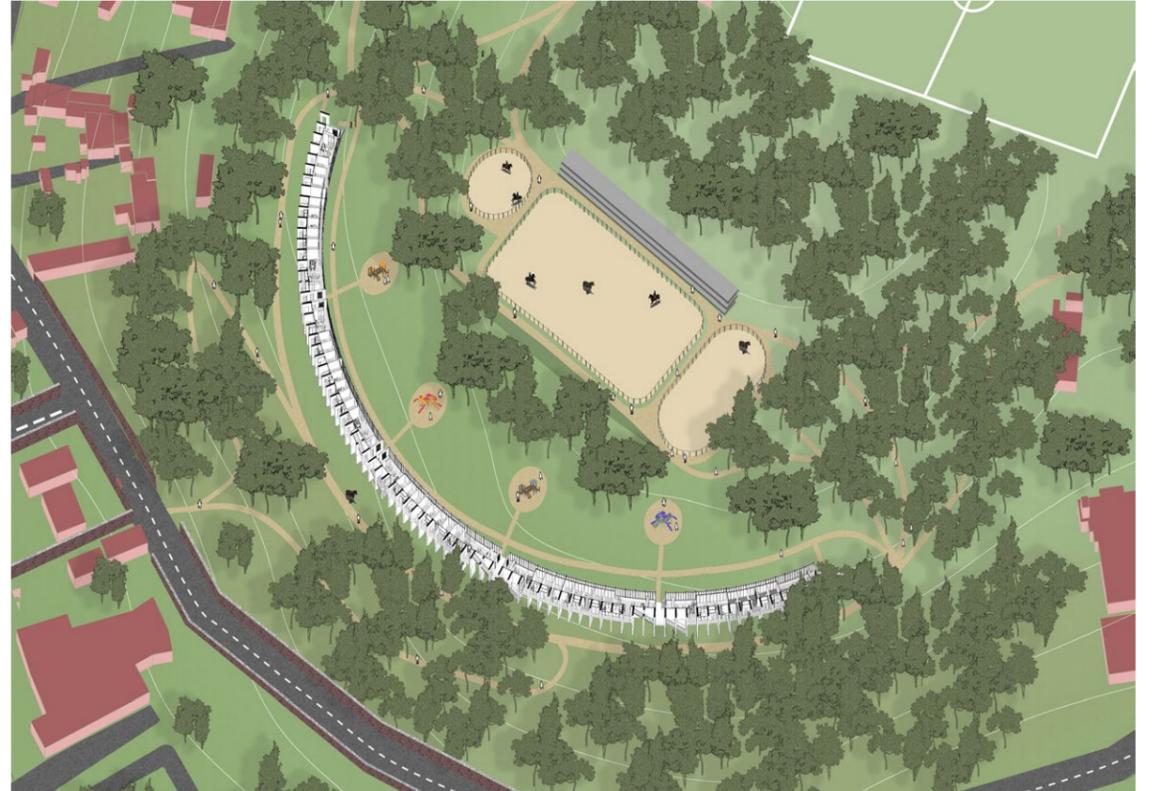




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DOING TOGETHER
LINEAR BUILDING
7M

Augustin Michel



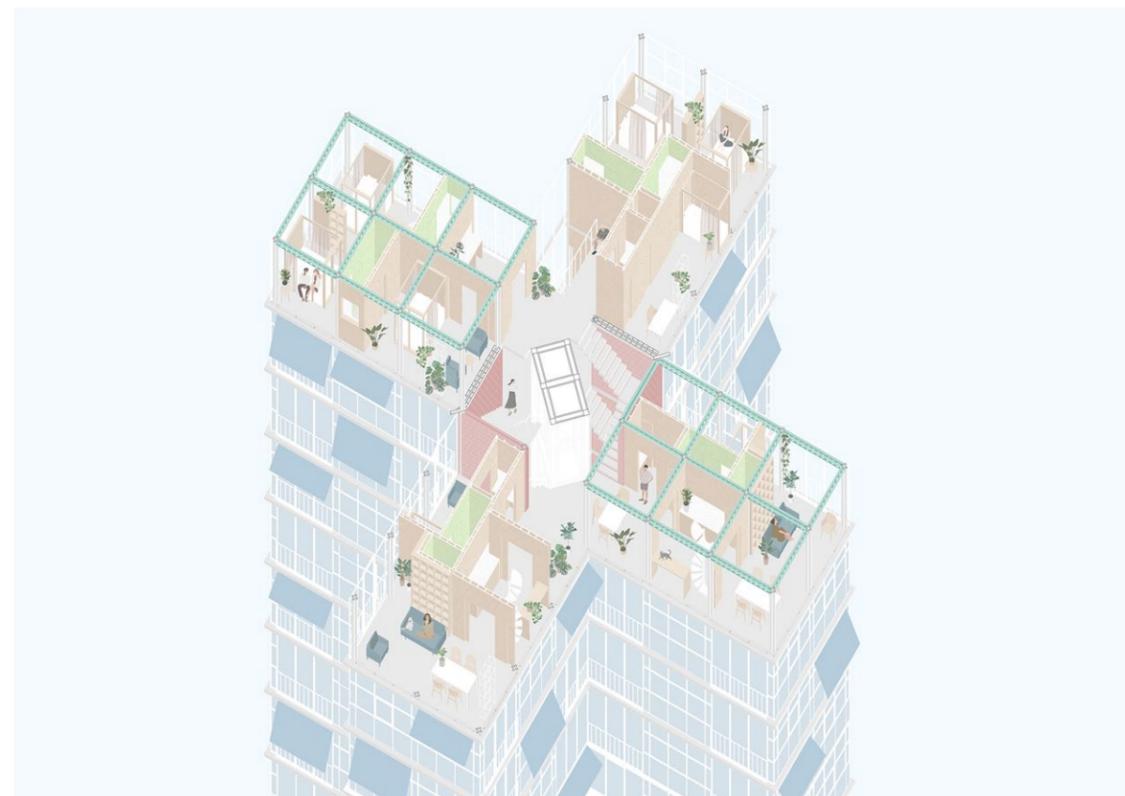
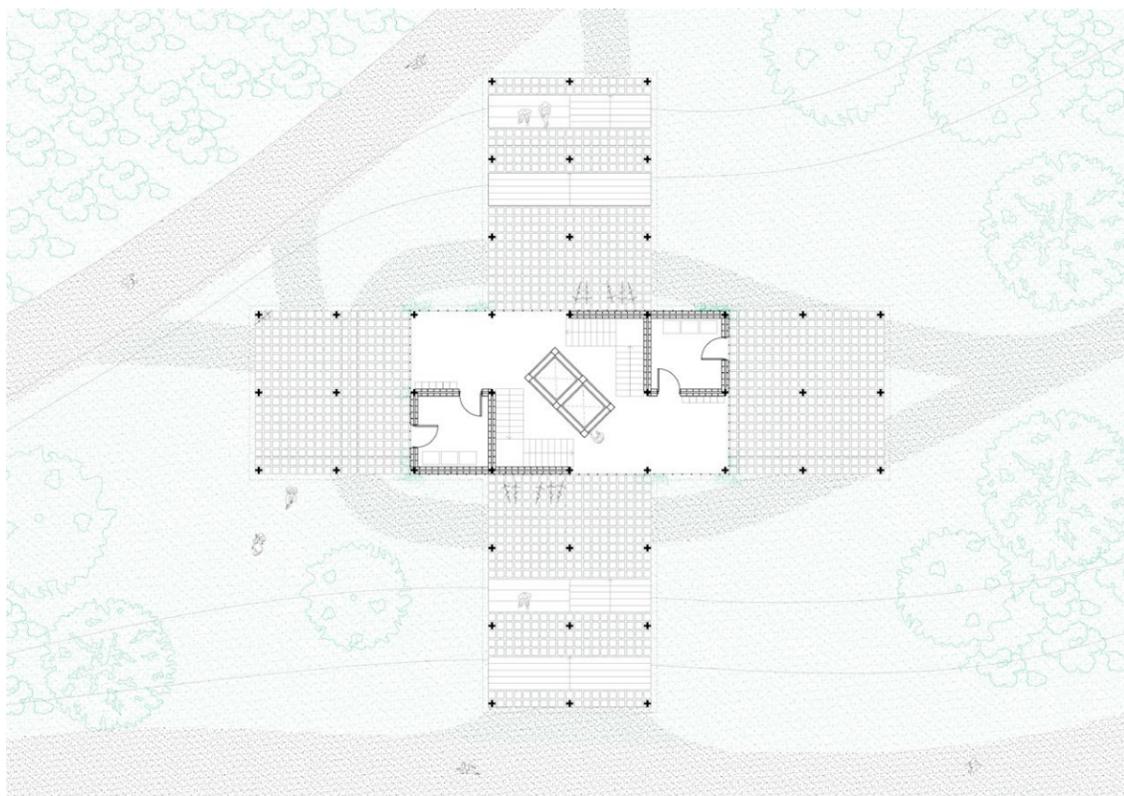




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DOING TOGETHER
VERTICAL BUILDING
7M

Claire Fachetti

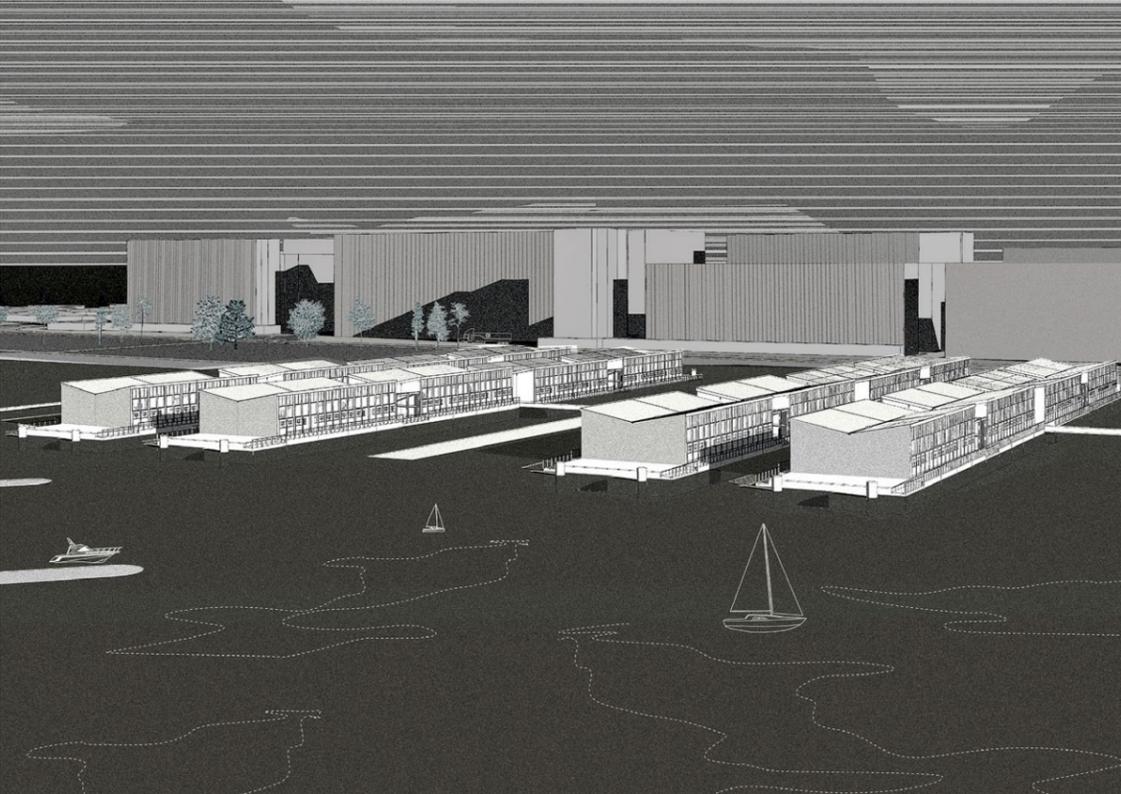




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Site 2
City Center

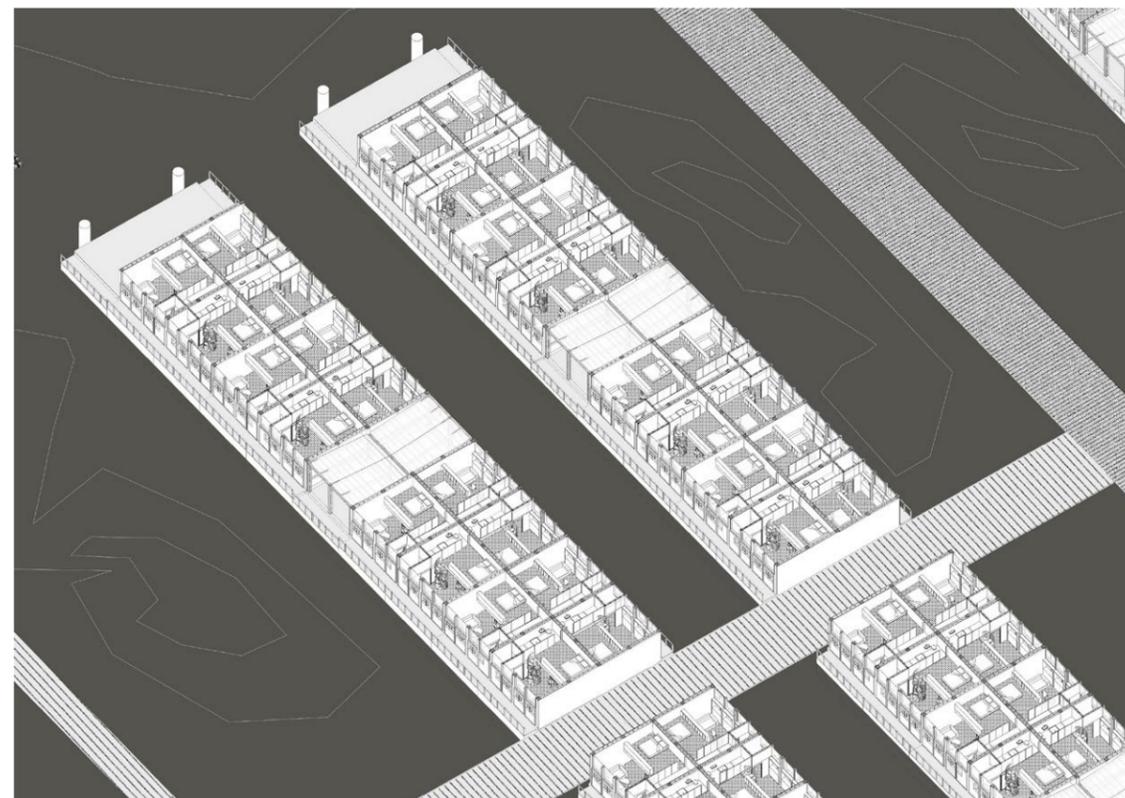
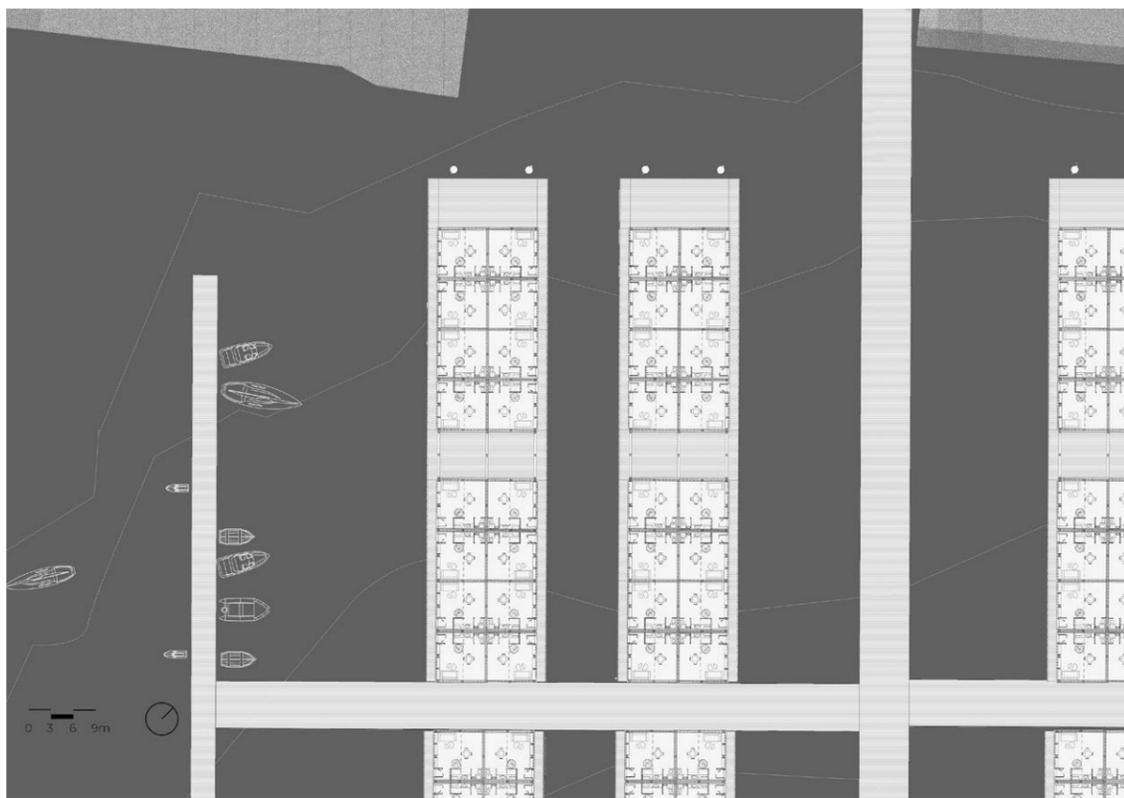




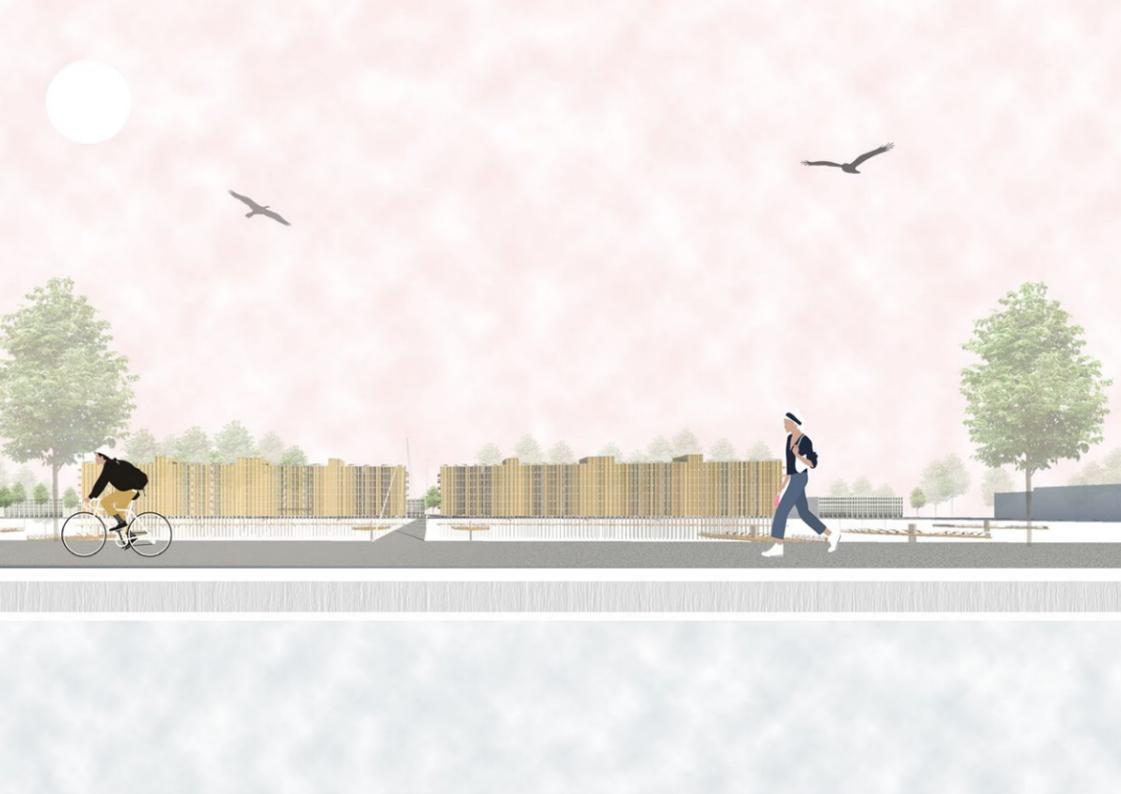
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HUNDRED YEARS
LOW RISE - HIGH DENSITY
7M

Shaojun Luo



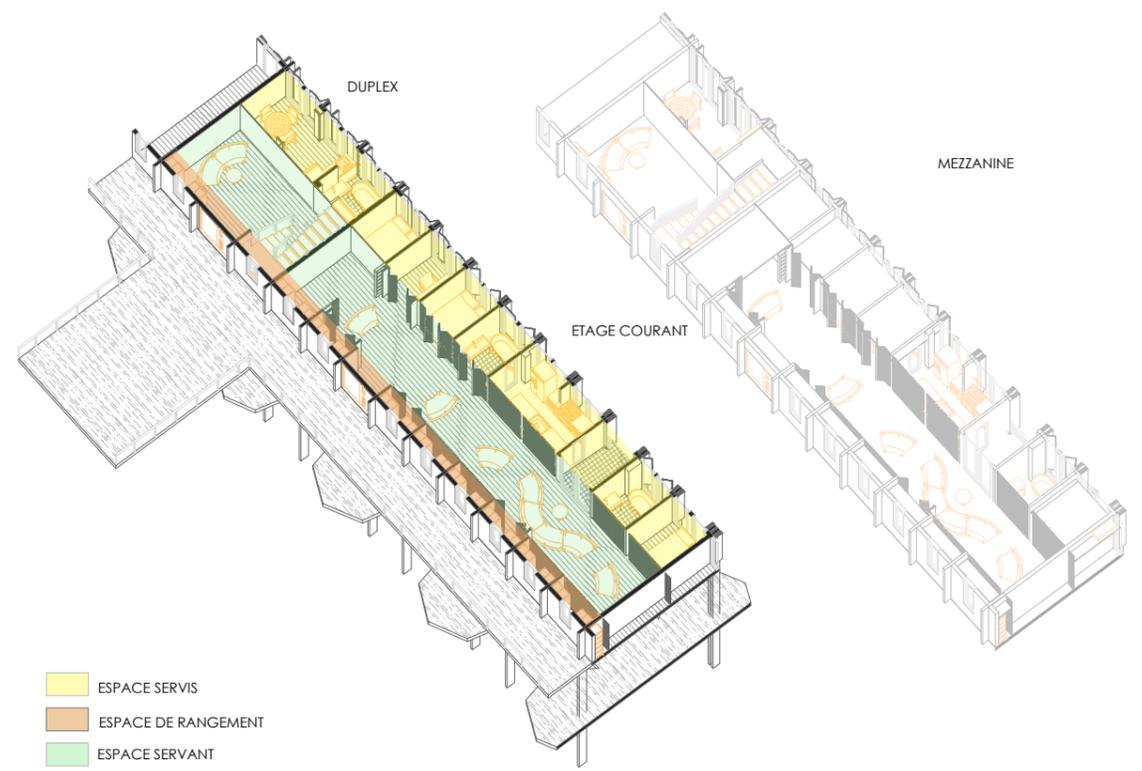
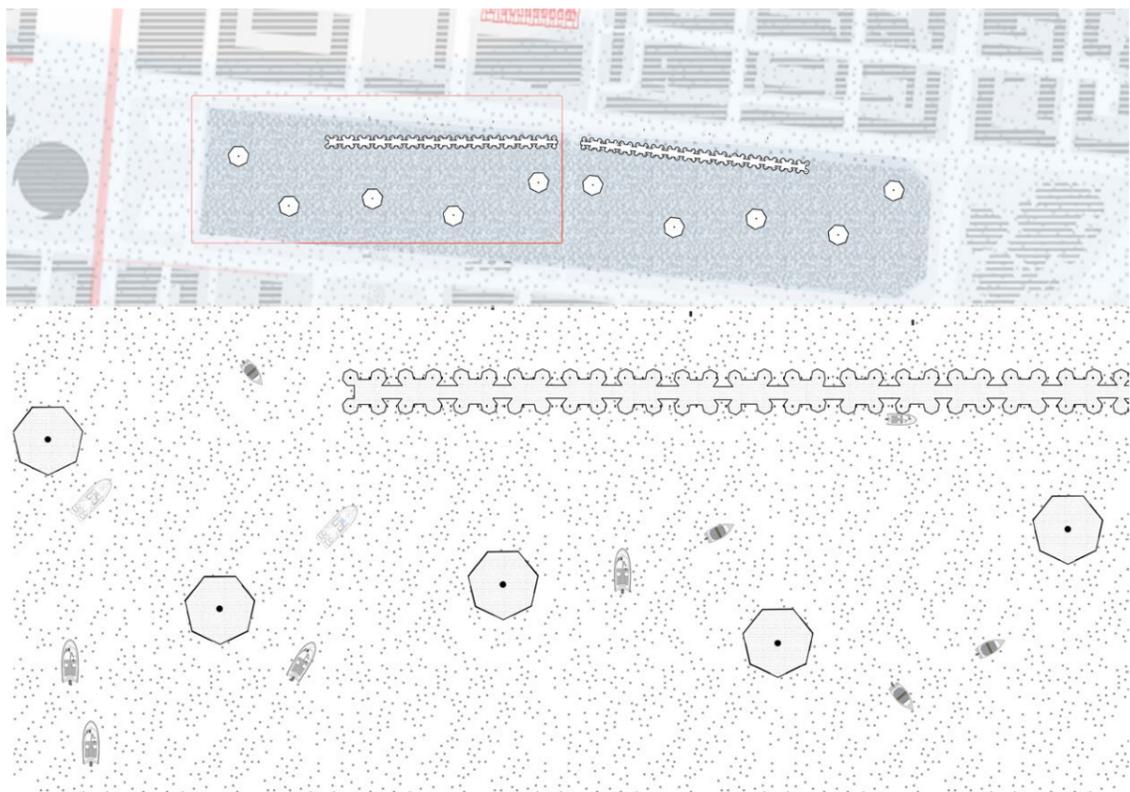


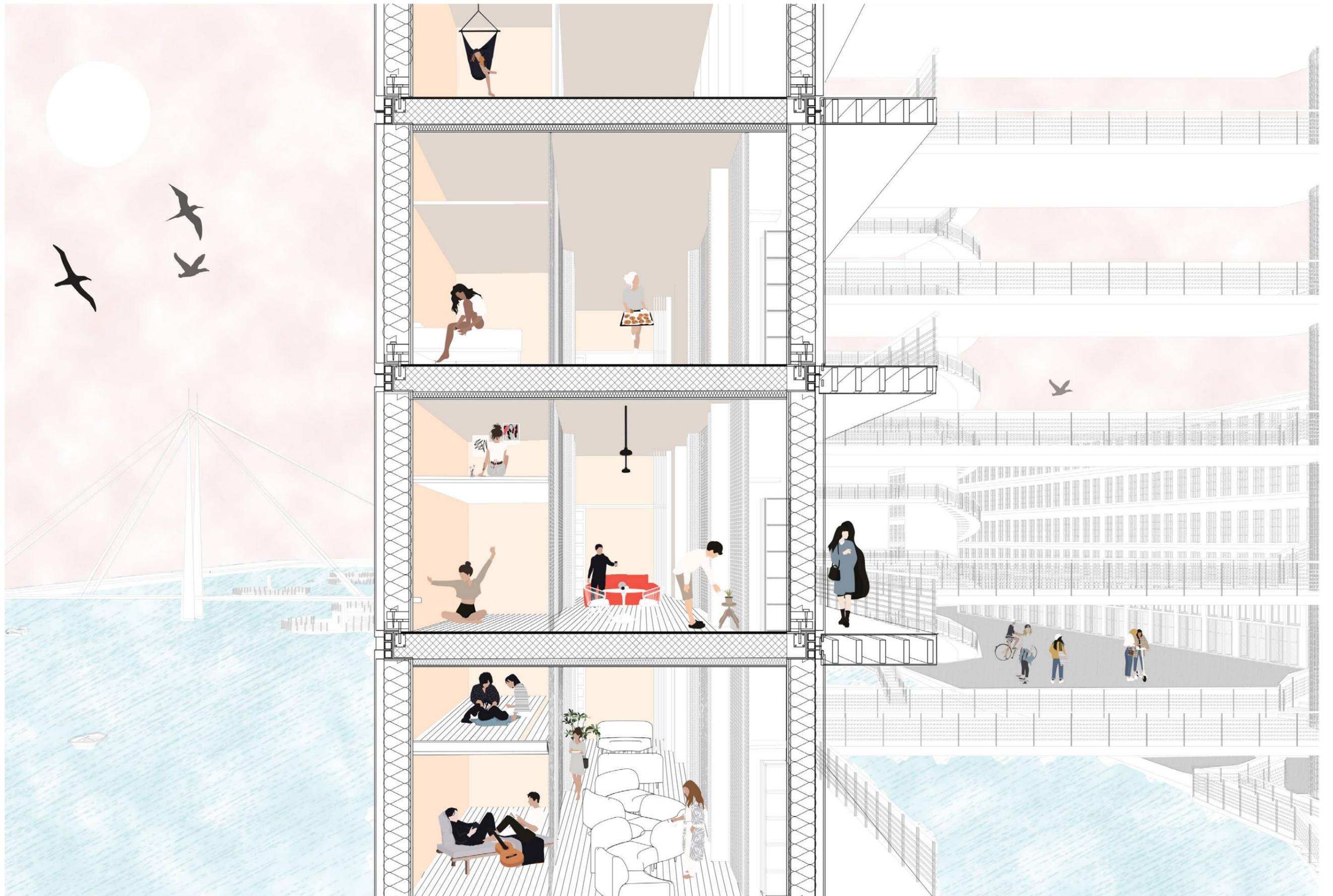


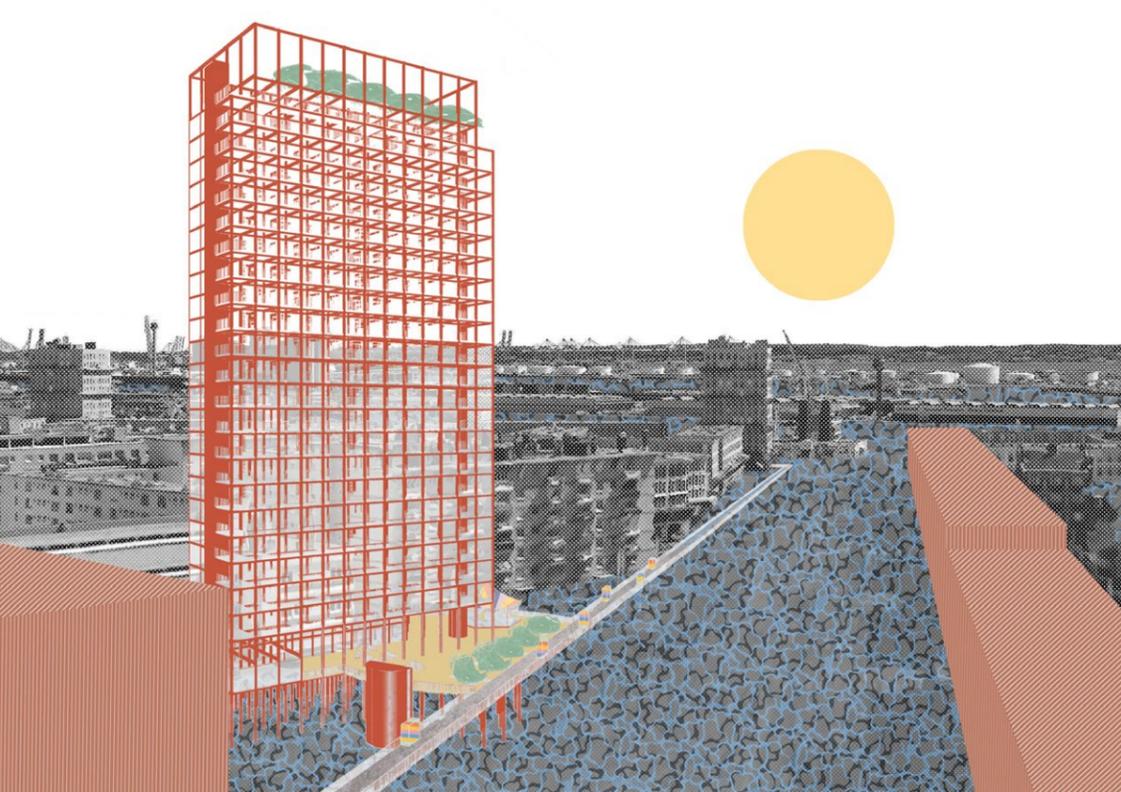
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HUNDRED YEARS
LINEAR BUILDING
7M

Khadija Barkani



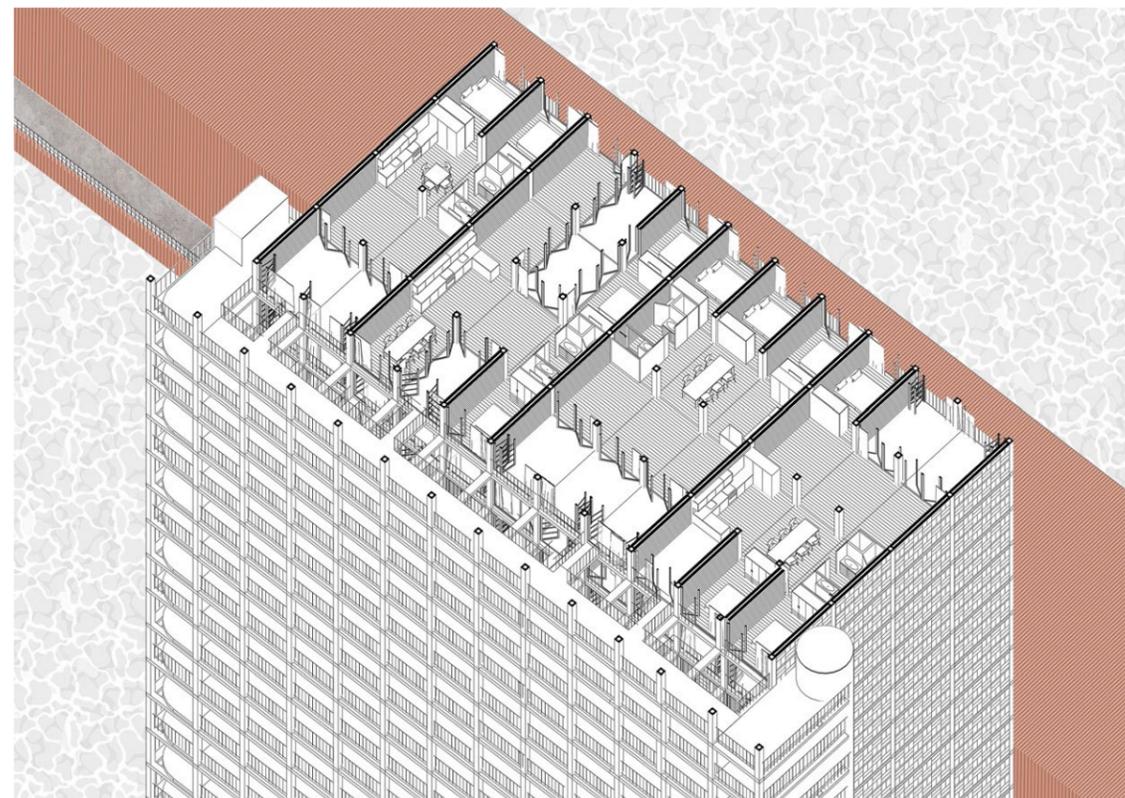


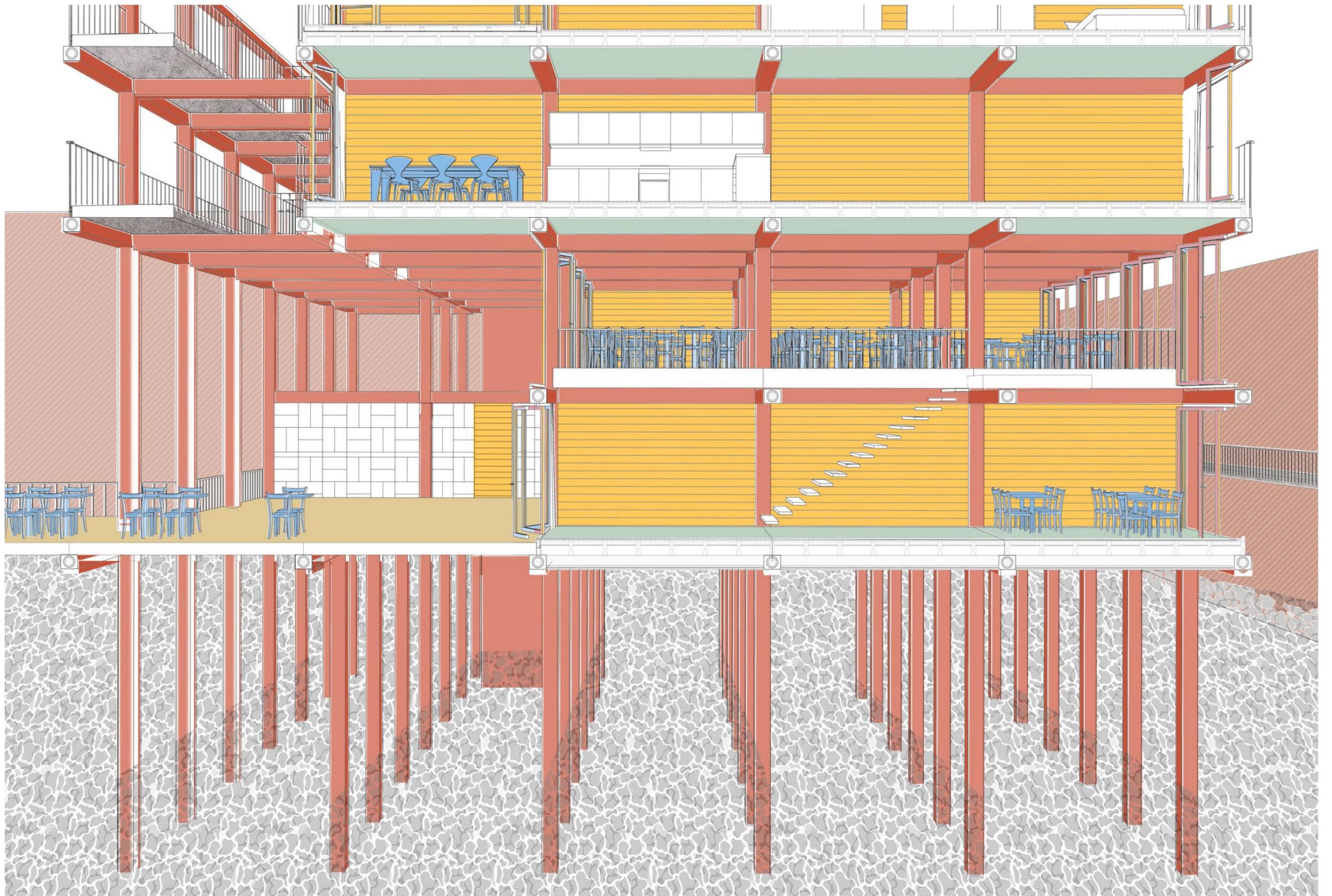


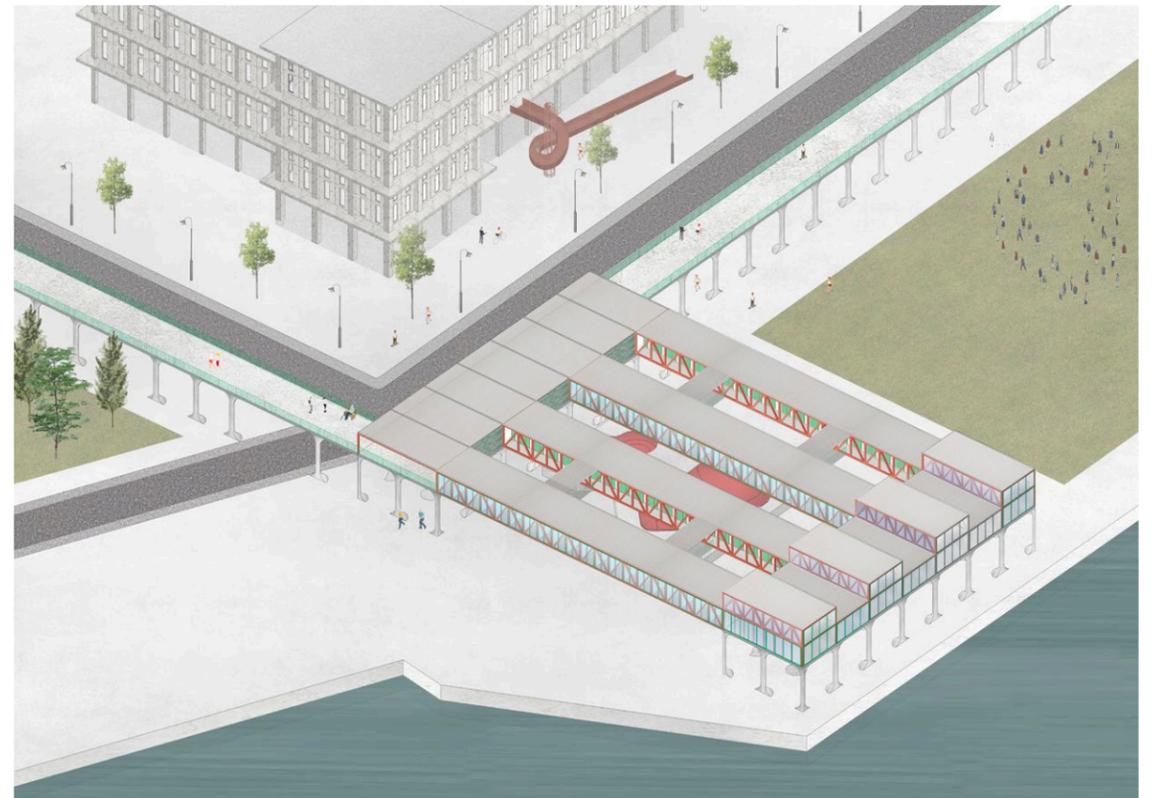
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HUNDRED YEARS
VERTICAL BUILDING
21M

Agathe Convert



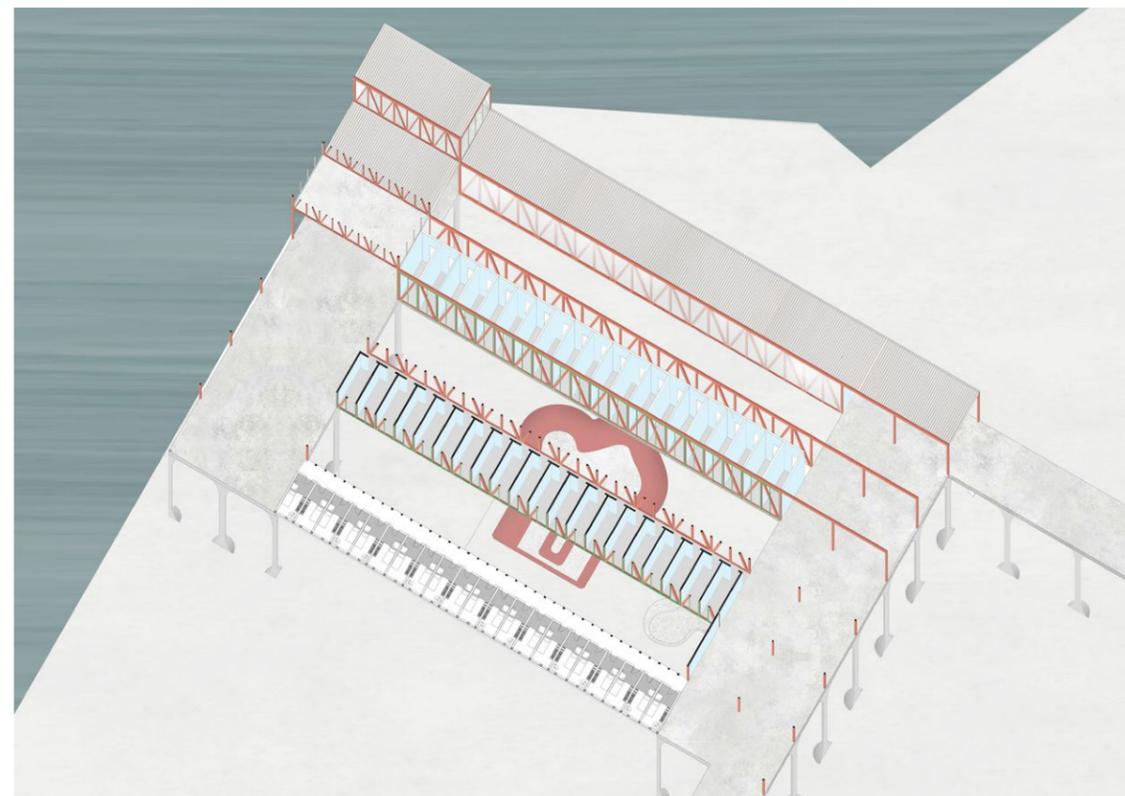


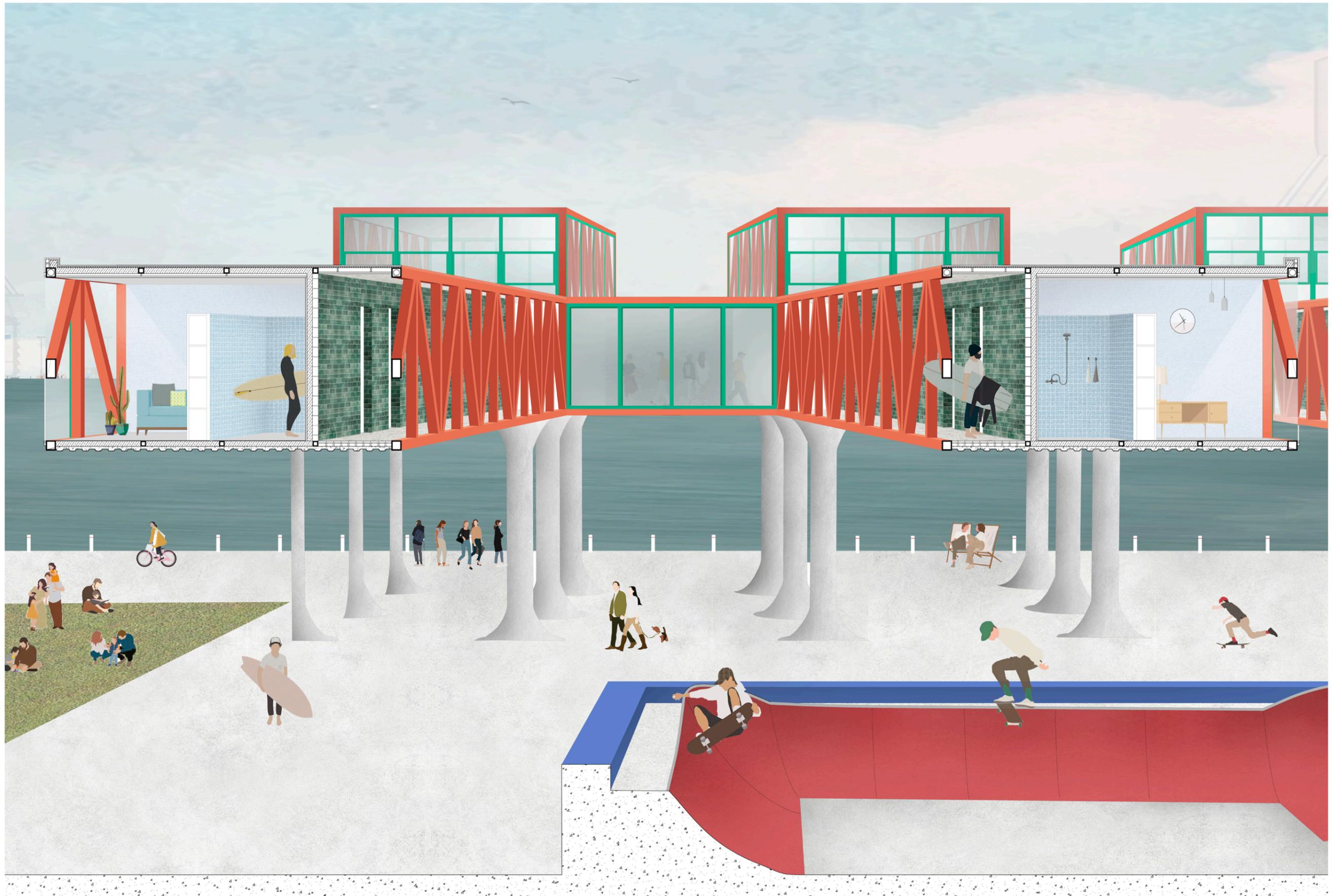


12

POST-COMFORT
LOW RISE - HIGH DENSITY
14M

Maxence Lelièvre



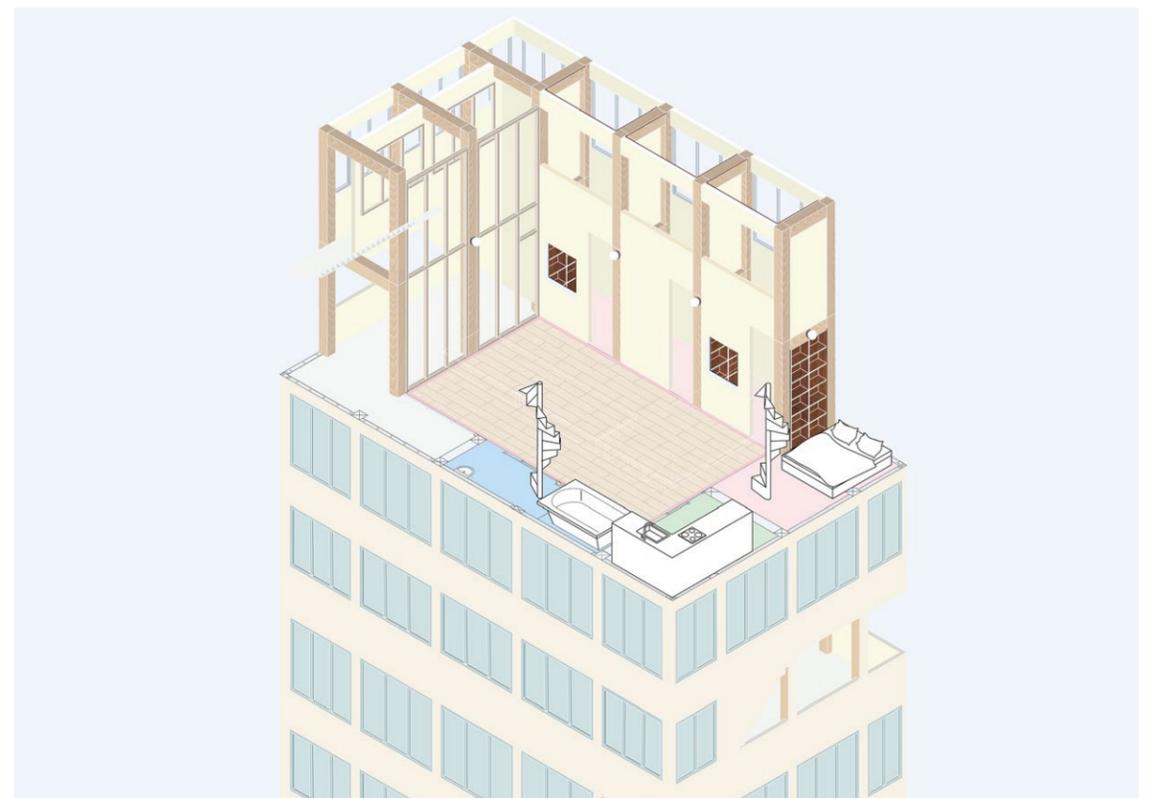
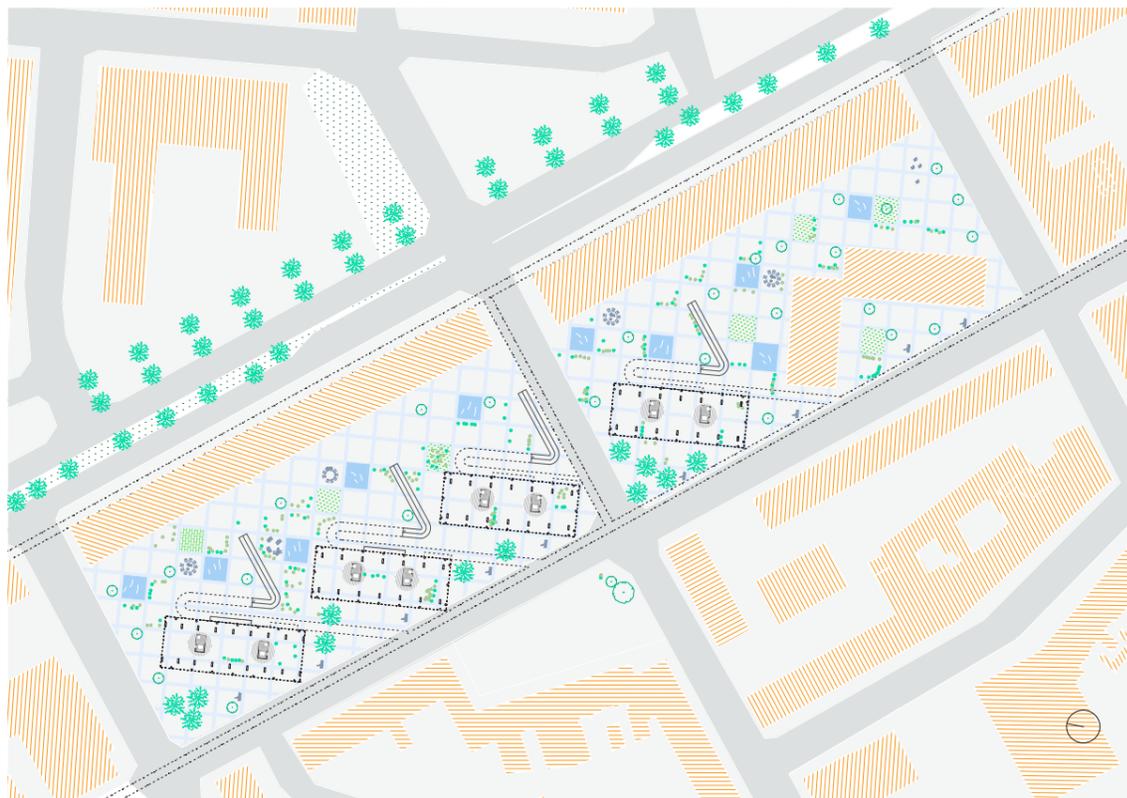


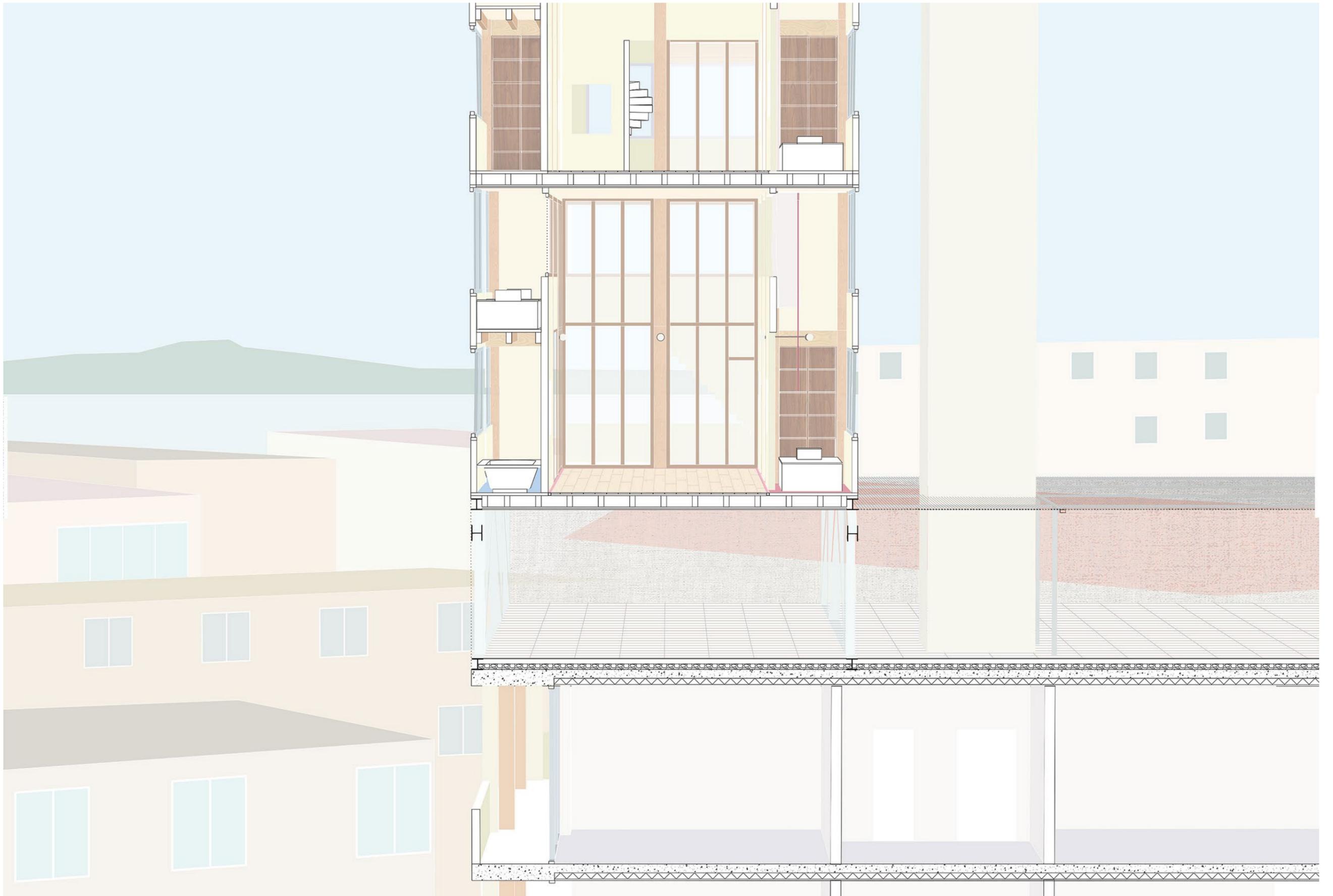


13

POST-COMFORT
VERTICAL BUILDING
7M

Axel Eugène



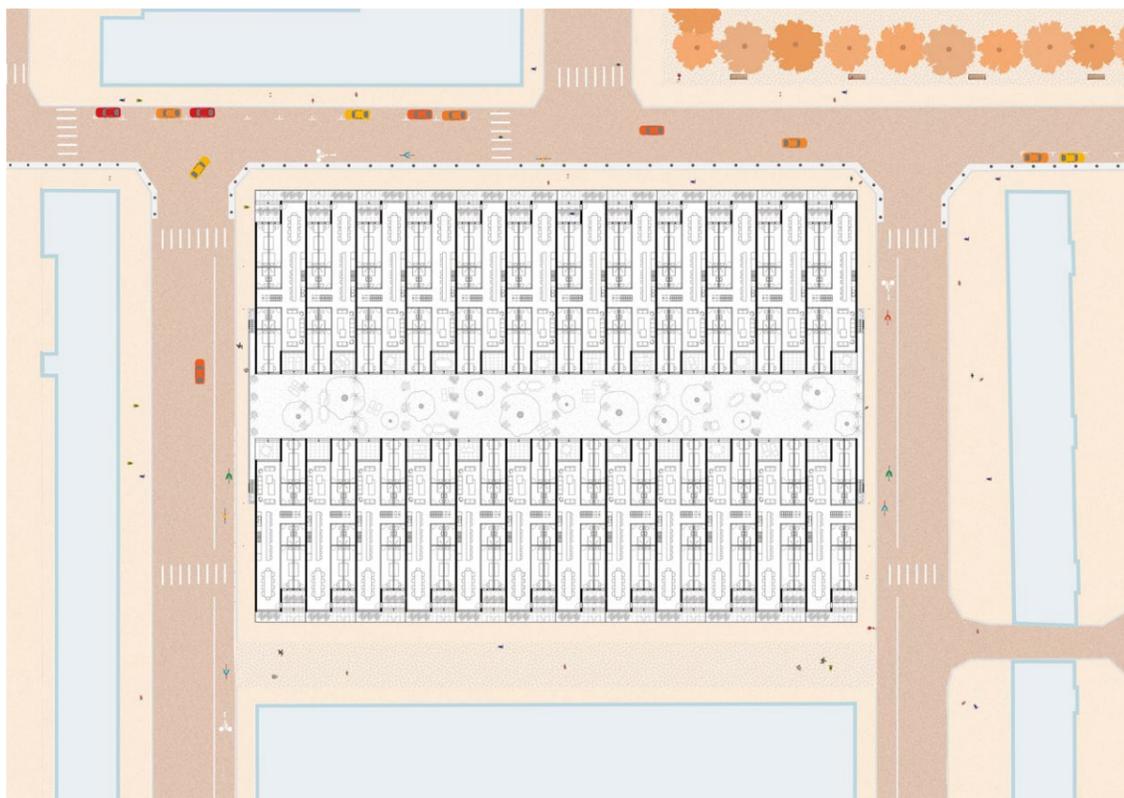


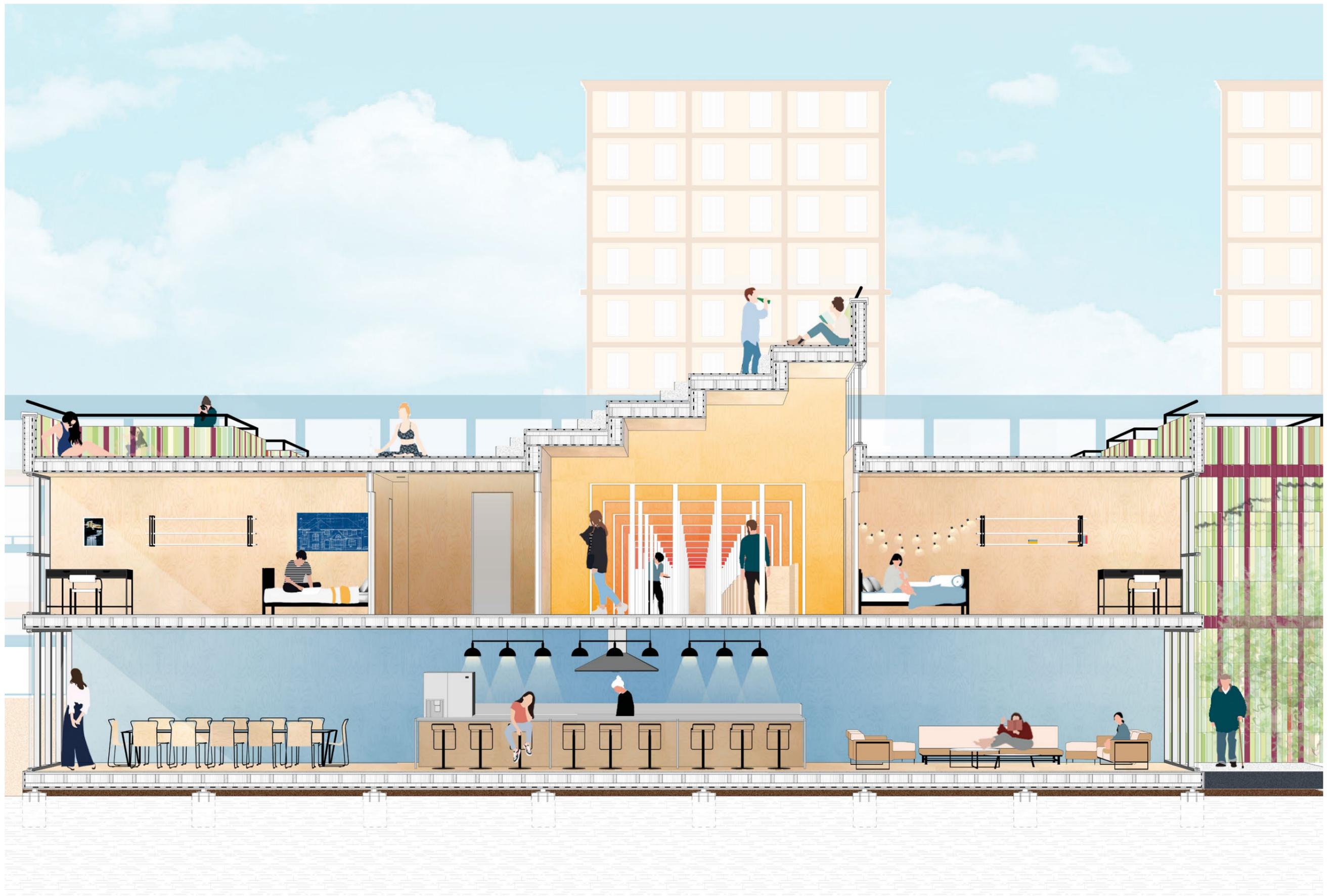


14

DOING TOGETHER
LOW RISE - HIGH DENSITY
21M

Flore Derouen



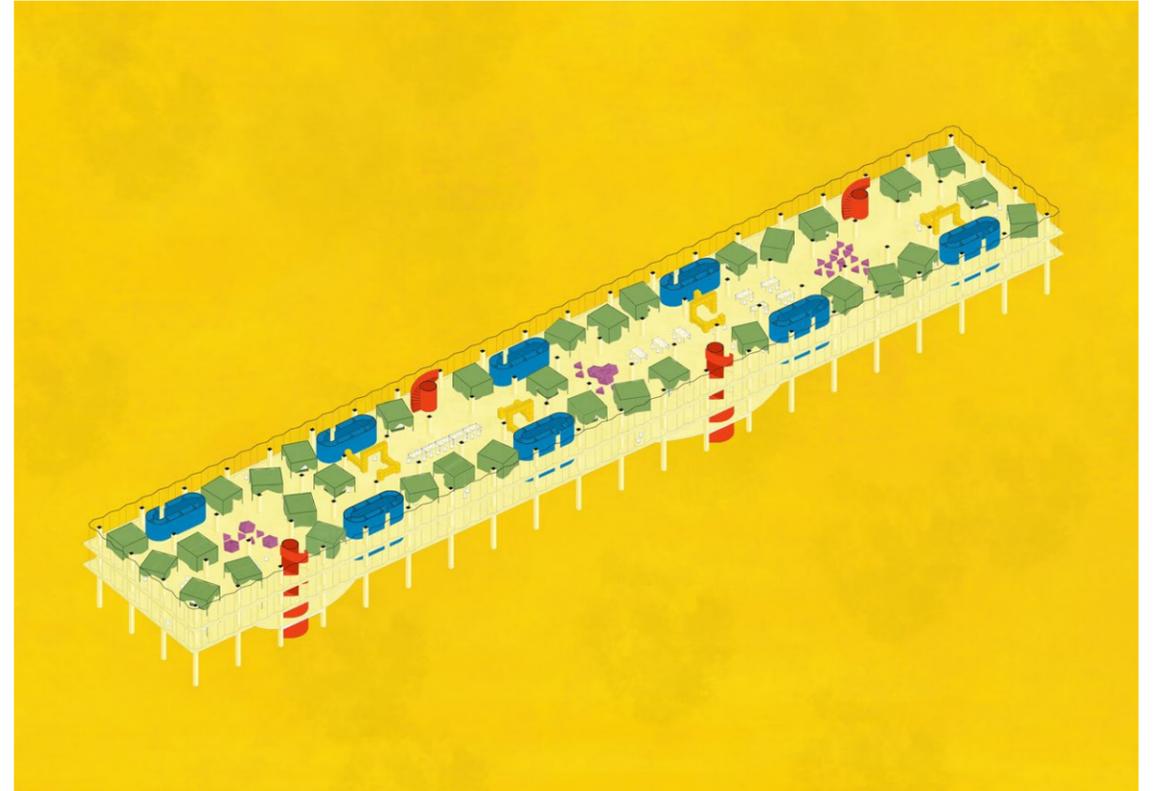
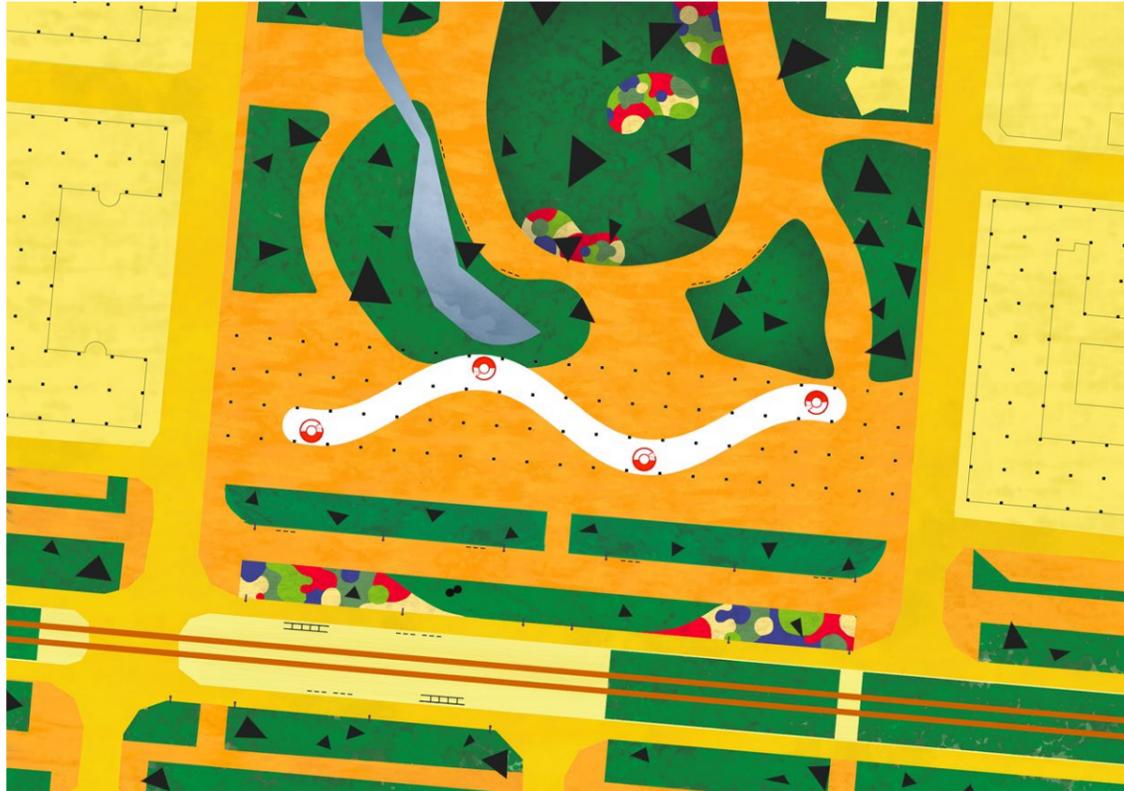




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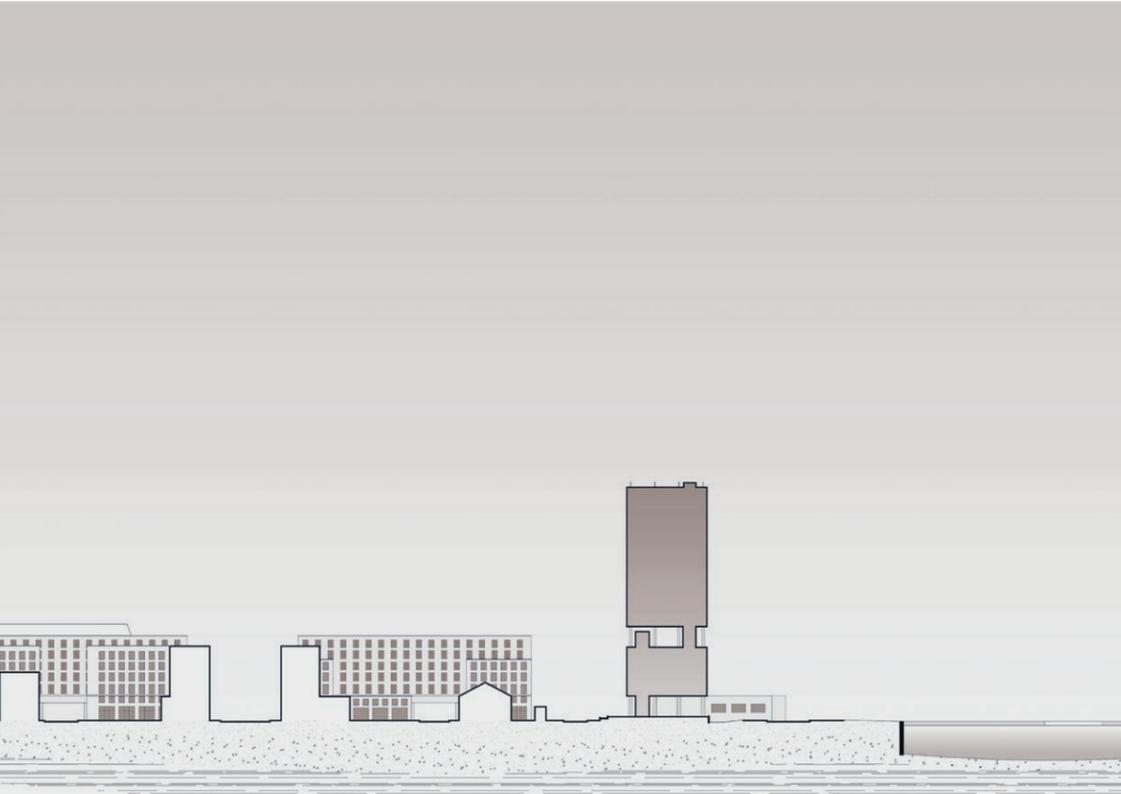
DOING TOGETHER
LINEAR BUILDING
21M

Solène Frémont



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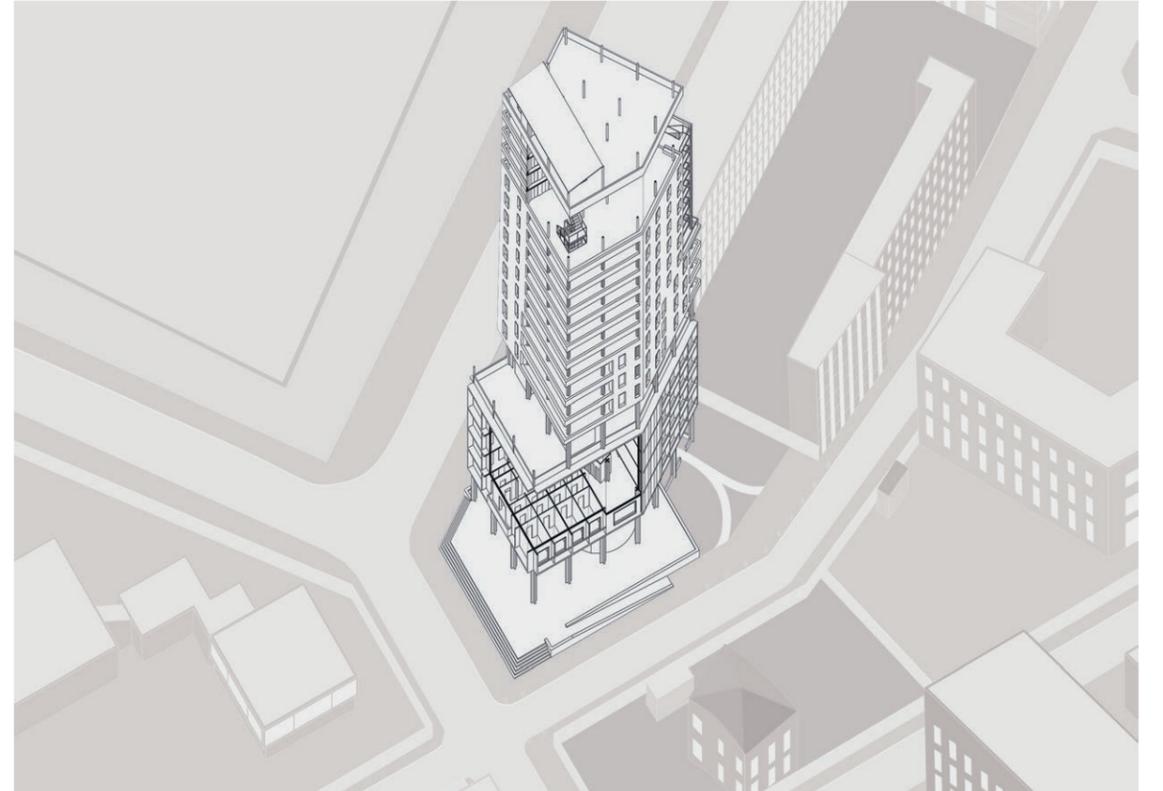
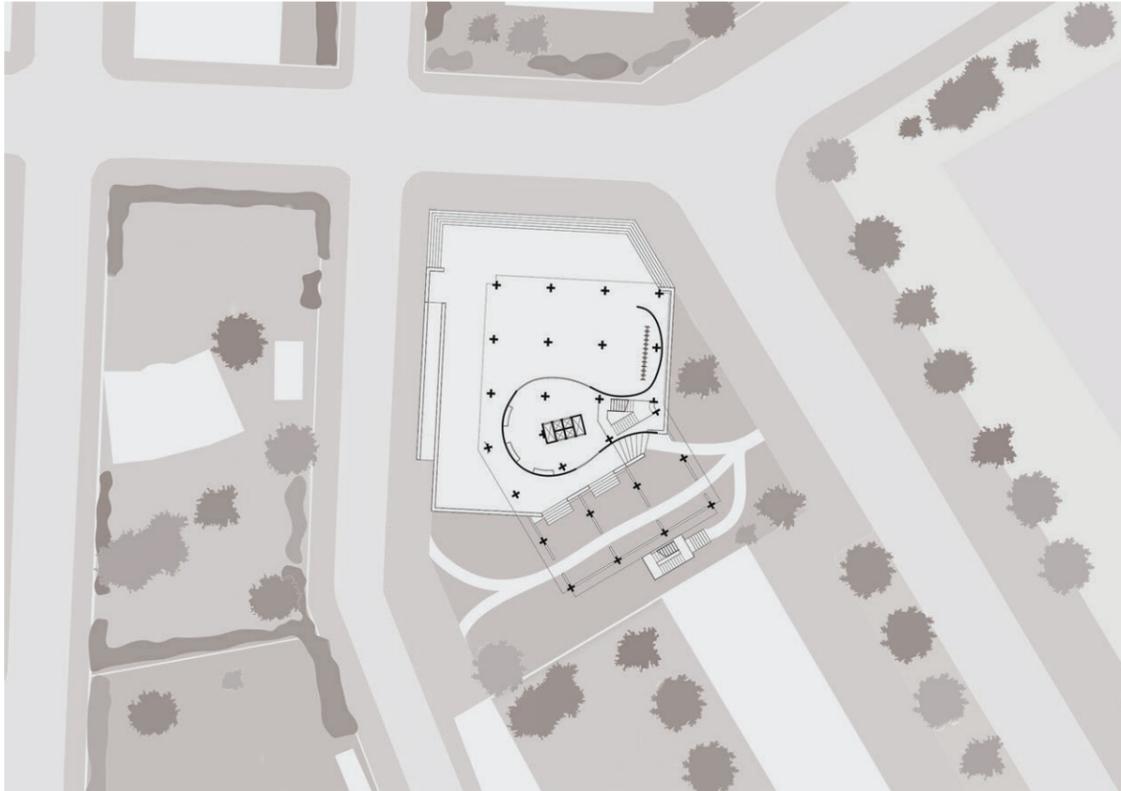


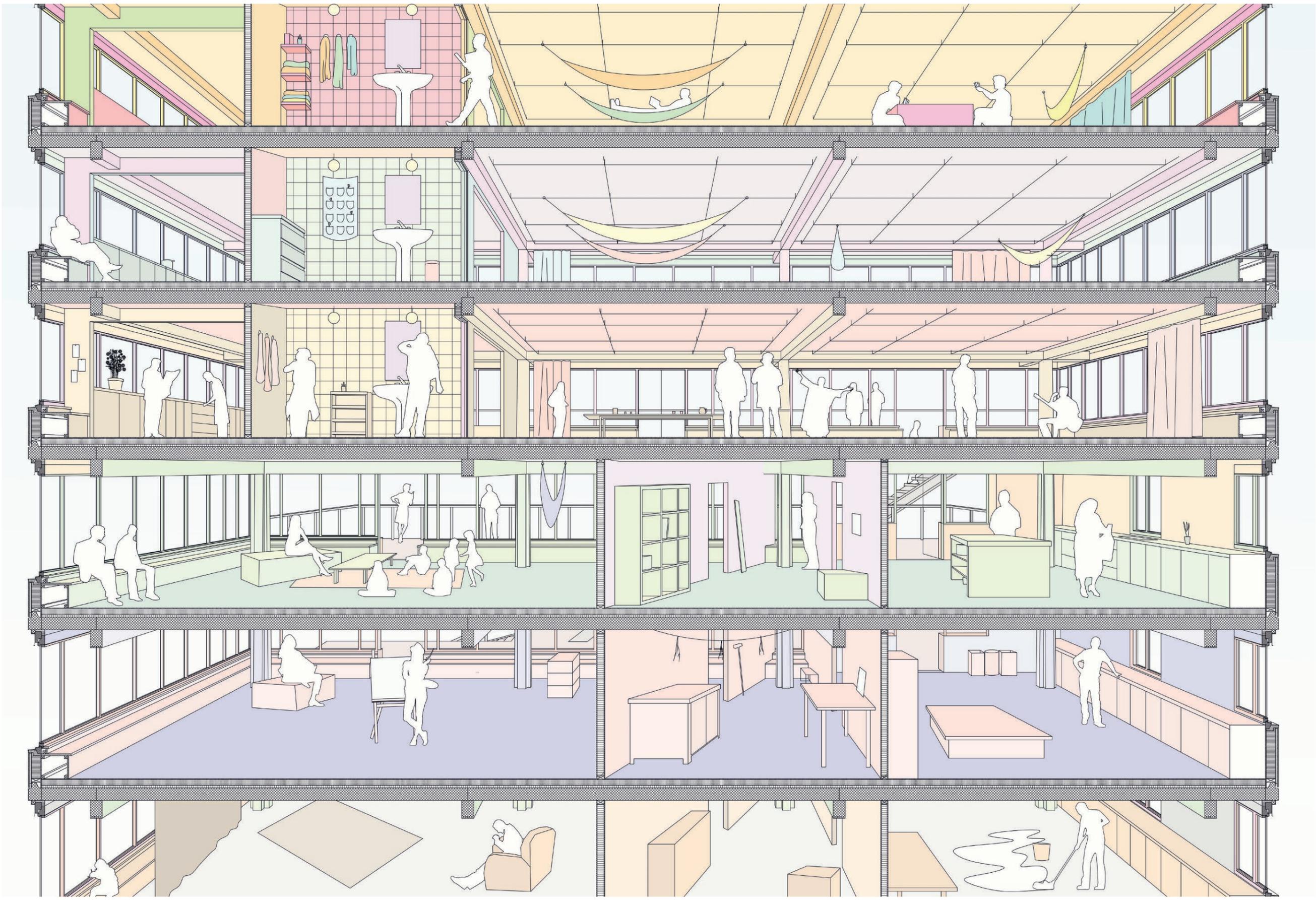


16

DOING TOGETHER
VERTICAL BUILDING
21M

Lucas Nény

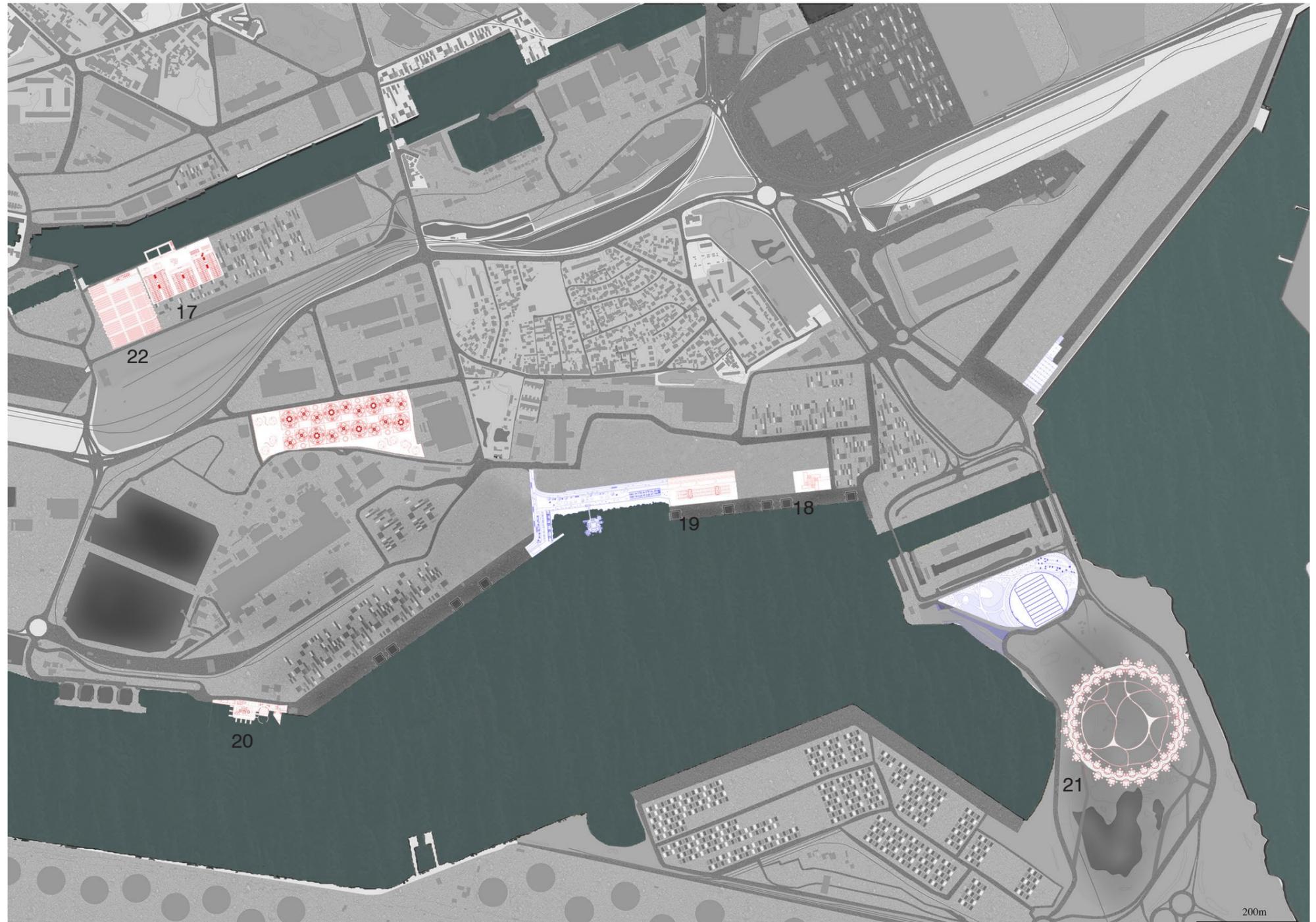




17 HUNDRED YEARS LOW RISE - HIGH DENSITY
 18 HUNDRED YEARS VERTICAL BUILDING
 19 POST-COMFORT LINEAR BUILDING
 20 POST-COMFORT VERTICAL BUILDING
 21 DOING TOGETHER LOW RISE - HIGH DENSITY
 22 DOING TOGETHER VERTICAL BUILDING

21M Grégoire Lortie 119
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Site 3
Harbor

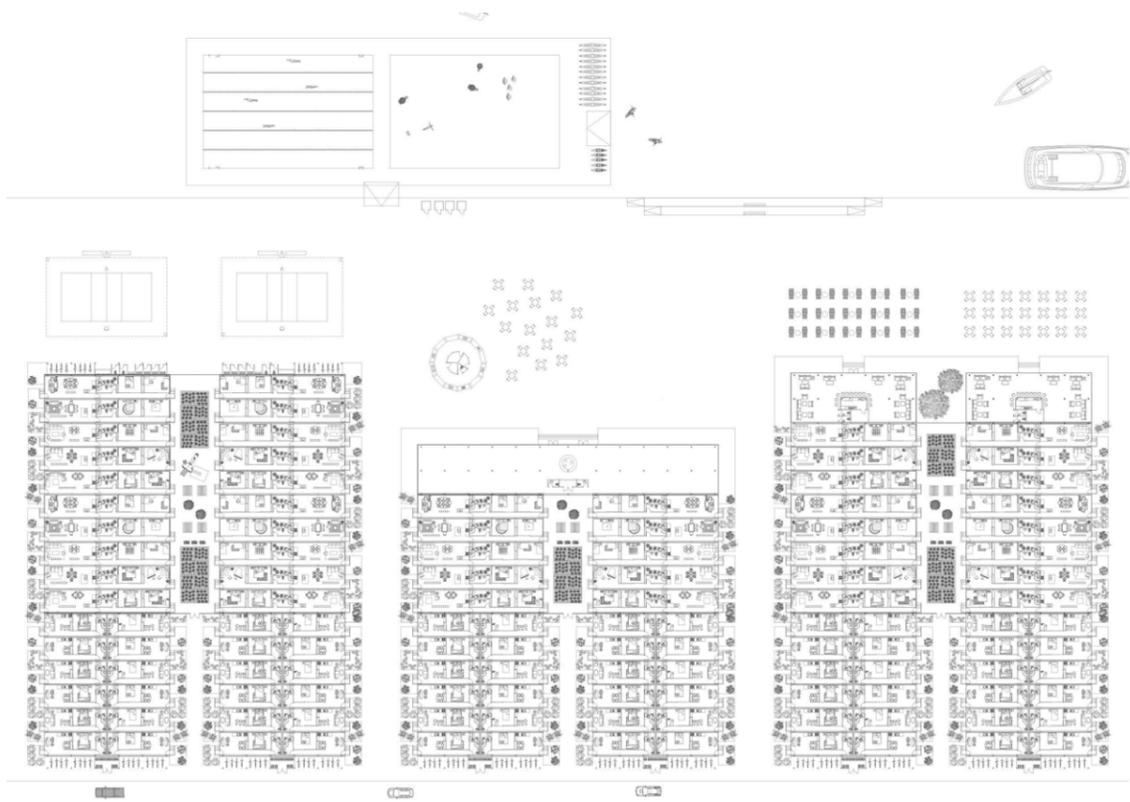


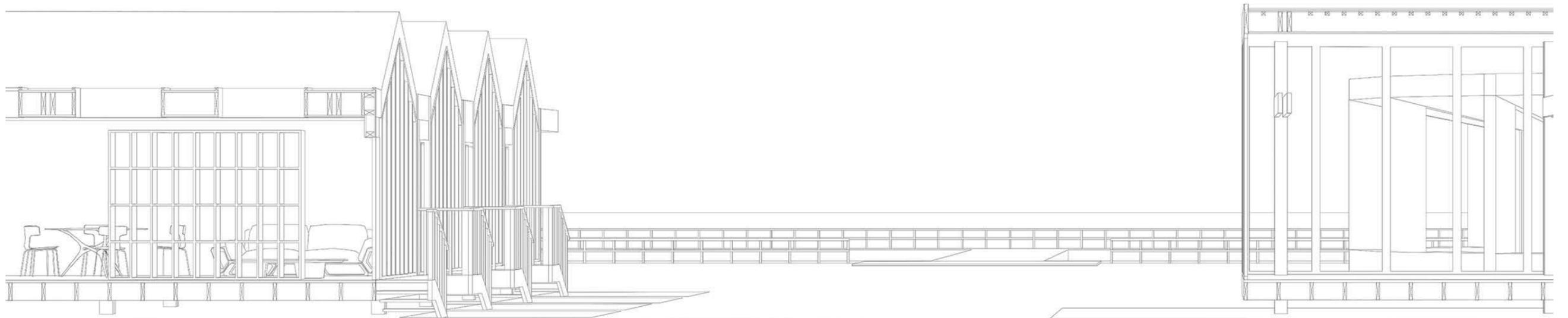


17

HUNDRED YEARS
LOW RISE - HIGH DENSITY
21M

Grégoire Lortie



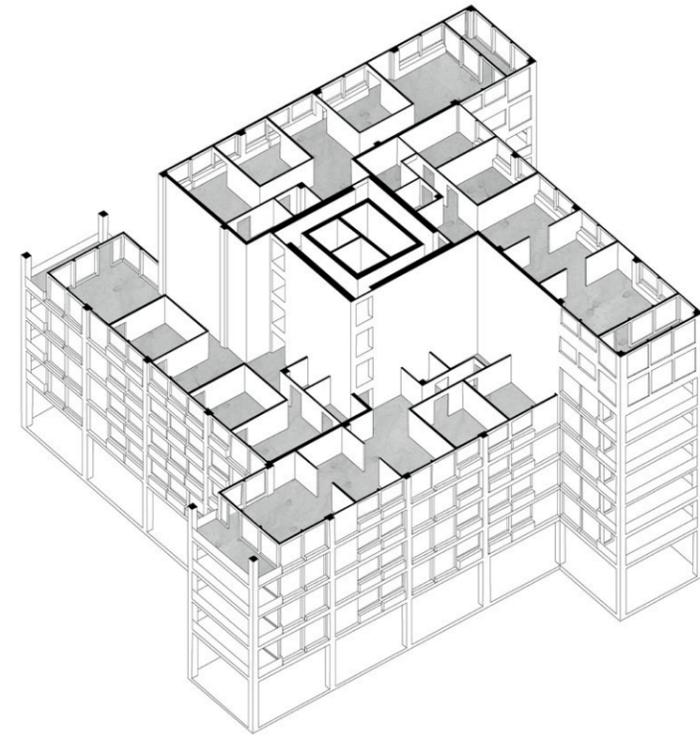
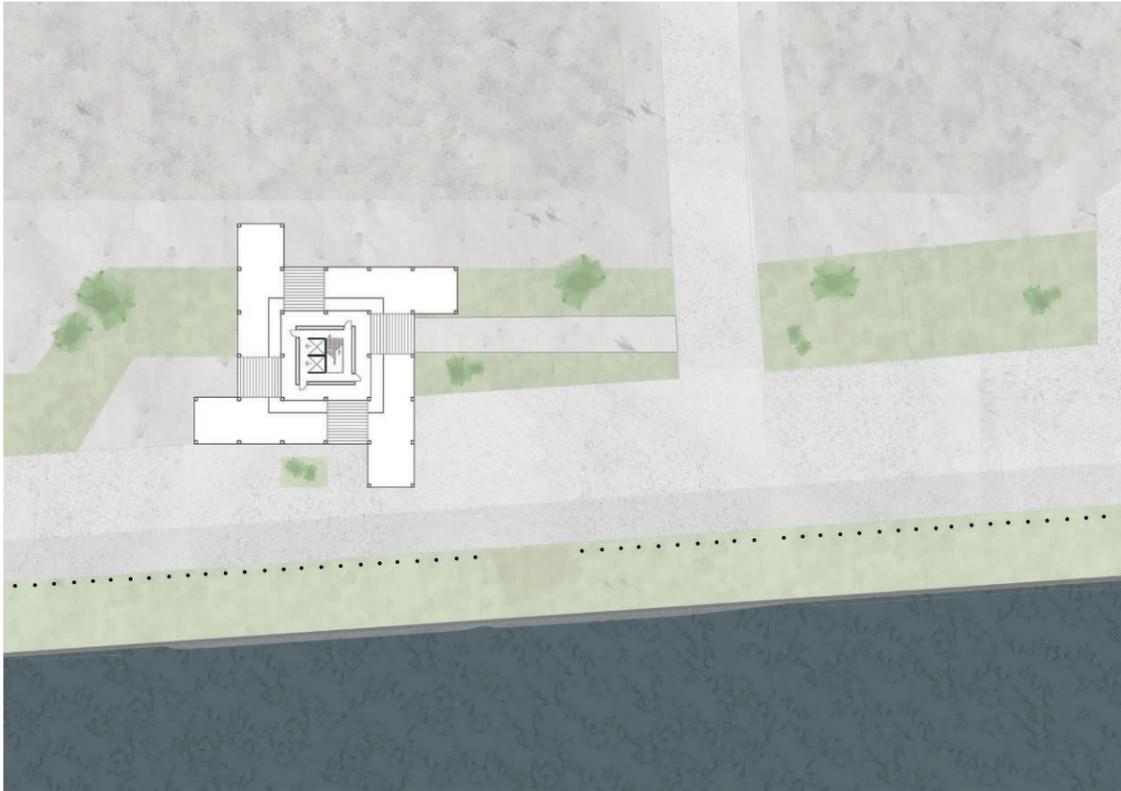




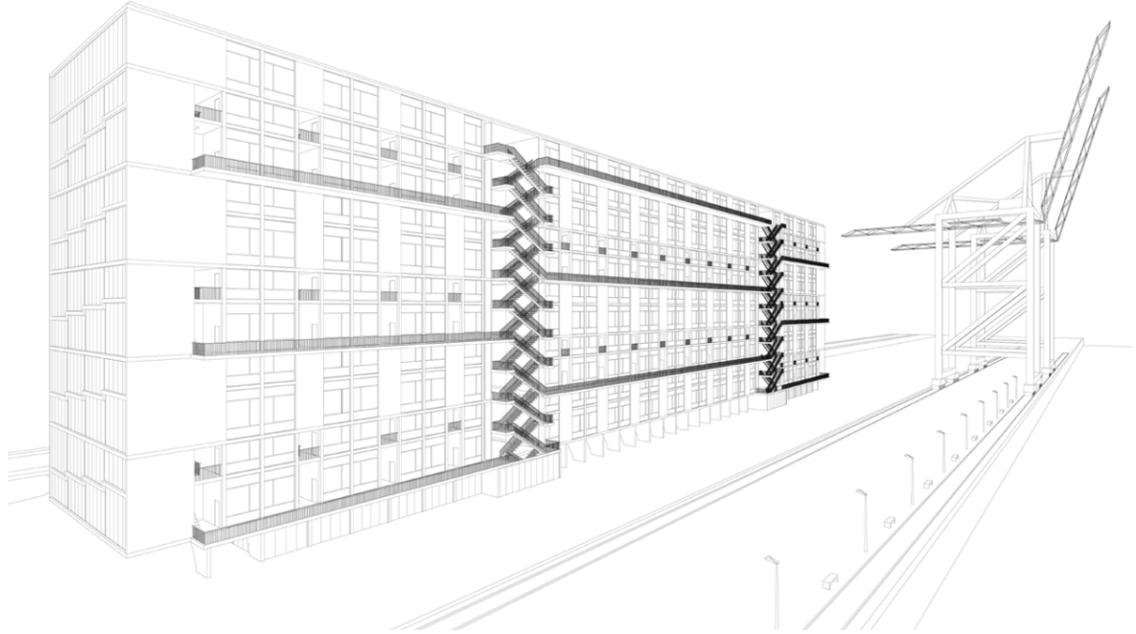
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HUNDRED YEARS
VERTICAL BUILDING
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Marie Przepiorski de Cay



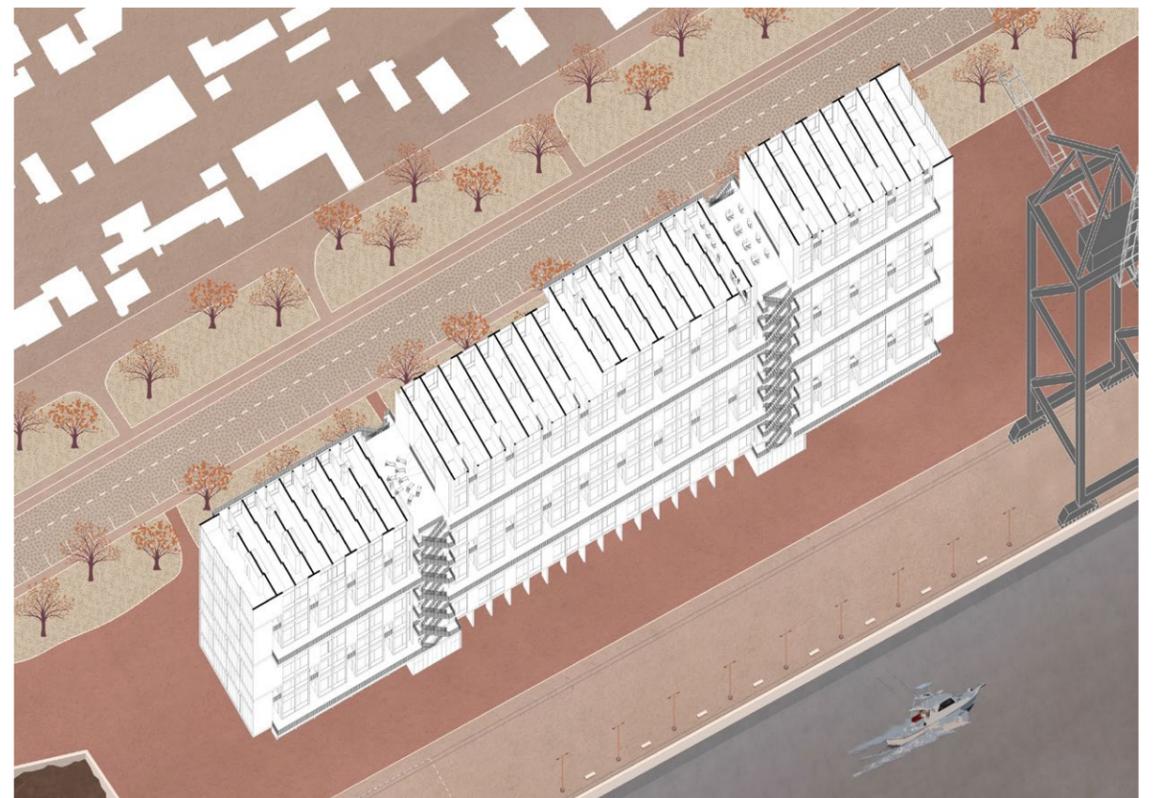
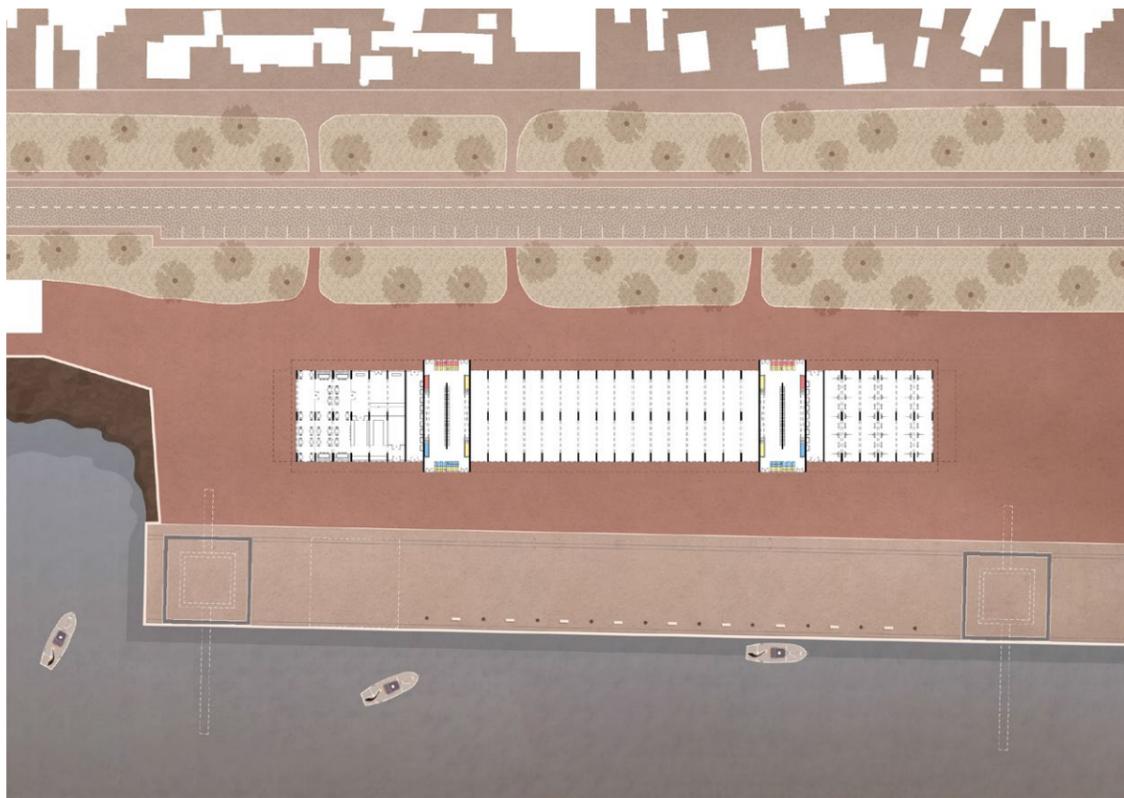




19

POST-COMFORT
LINEAR BUILDING
21M

Gabriel Flor de Oliveira







20

POST-COMFORT
VERTICAL BUILDING
21M

Maxence Heidet



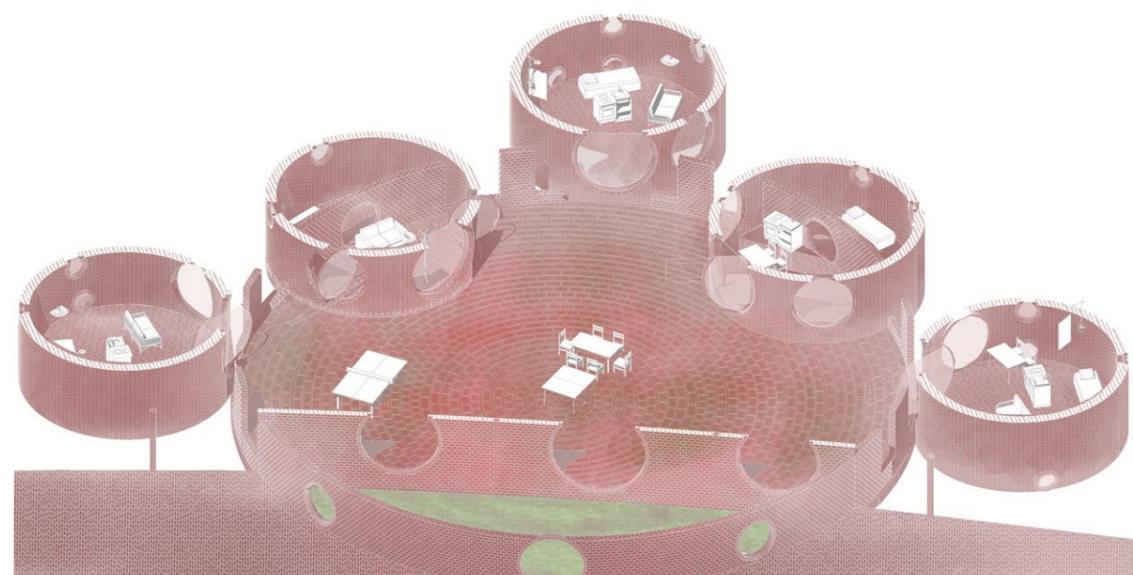




21

DOING TOGETHER
LOW RISE - HIGH DENSITY
7M

Bouchra Larbi Bouamrane





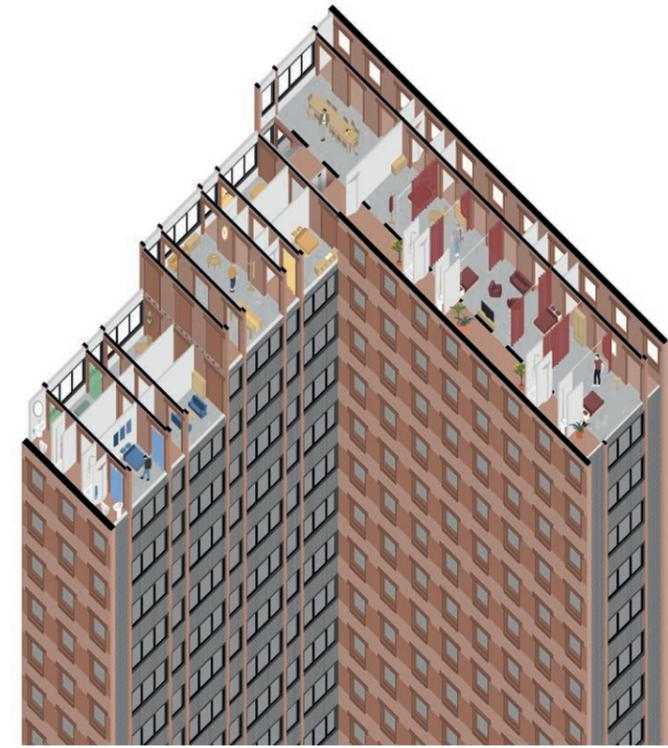
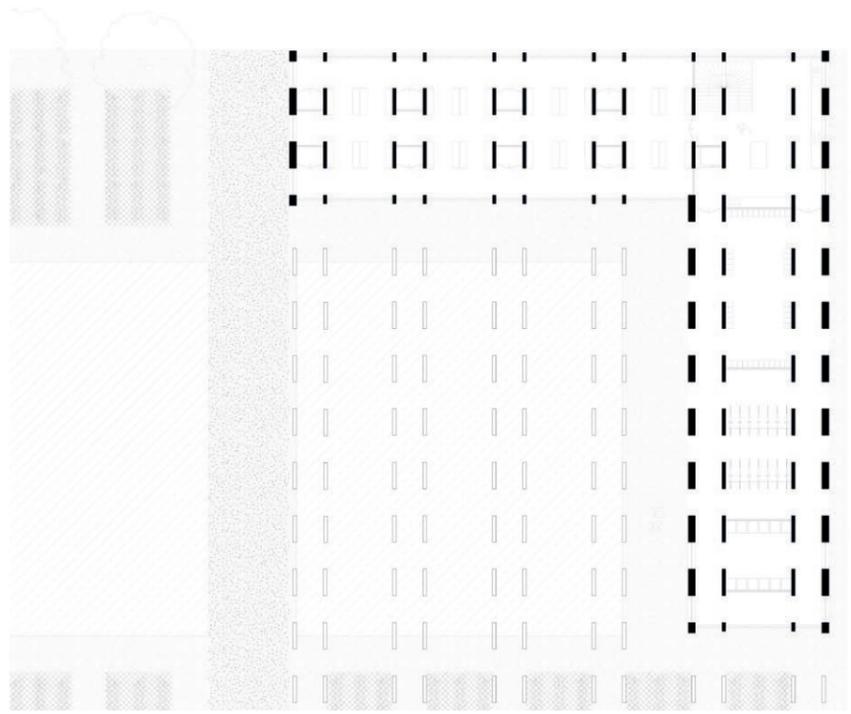


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DOING TOGETHER
VERTICAL BUILDING
7M

Kelly Chhour

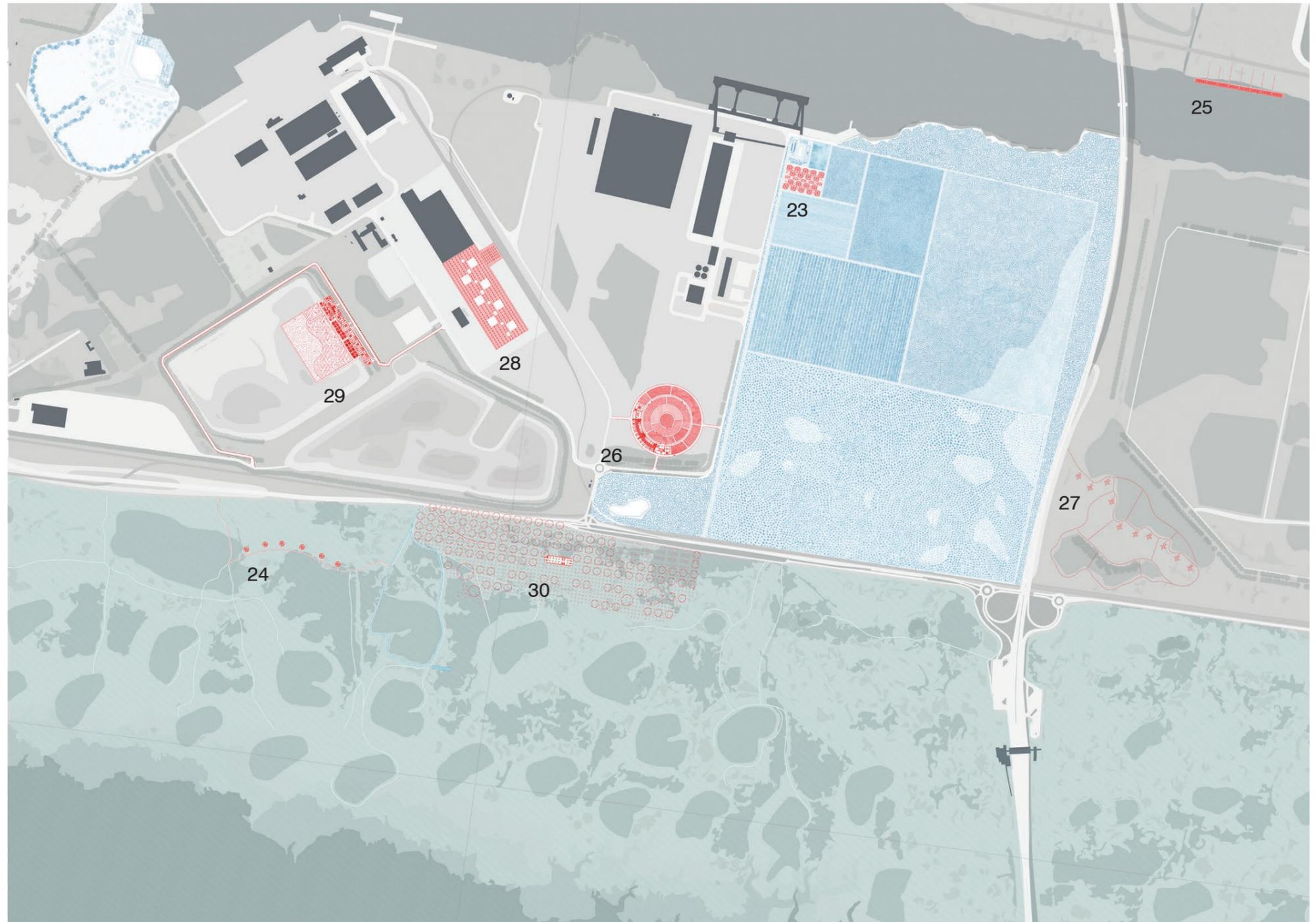
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Site 4
Swamp

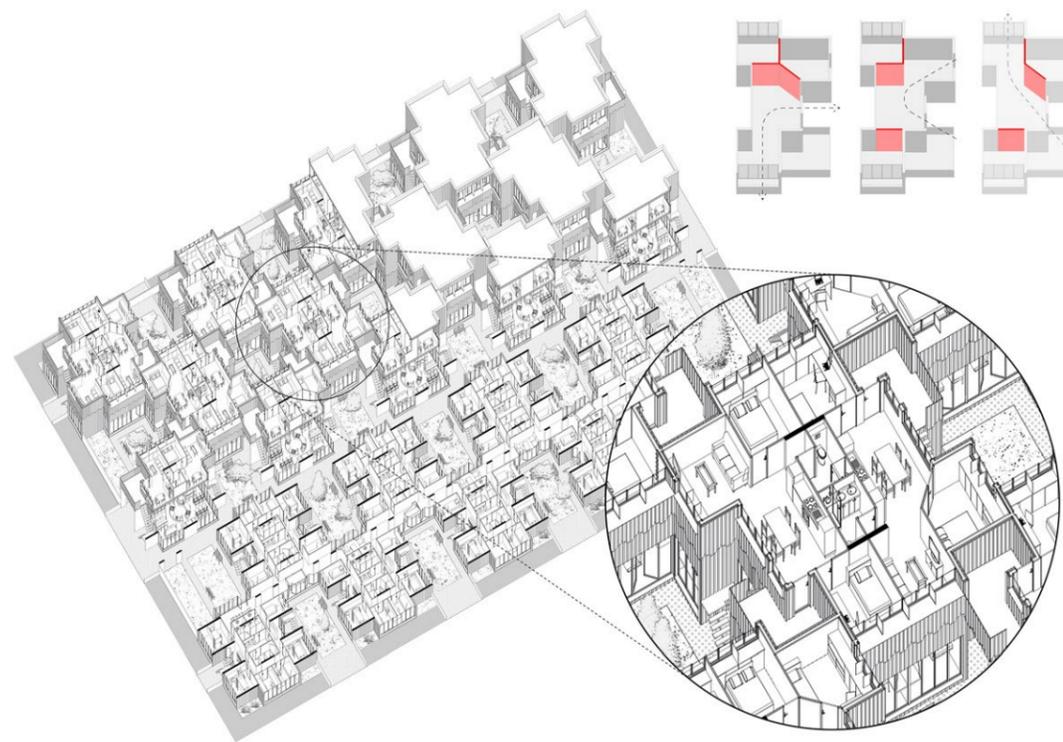
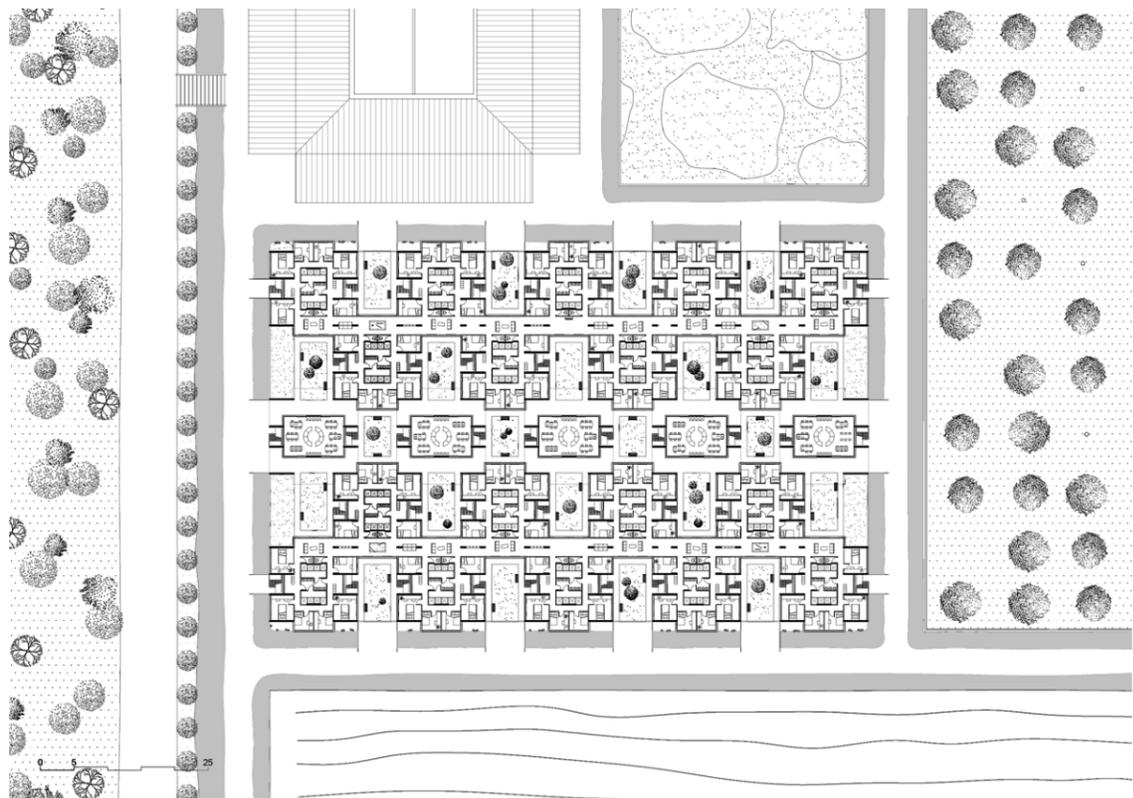




23

HUNDRED YEARS
LOW RISE - HIGH DENSITY
14M

Florian Brehin



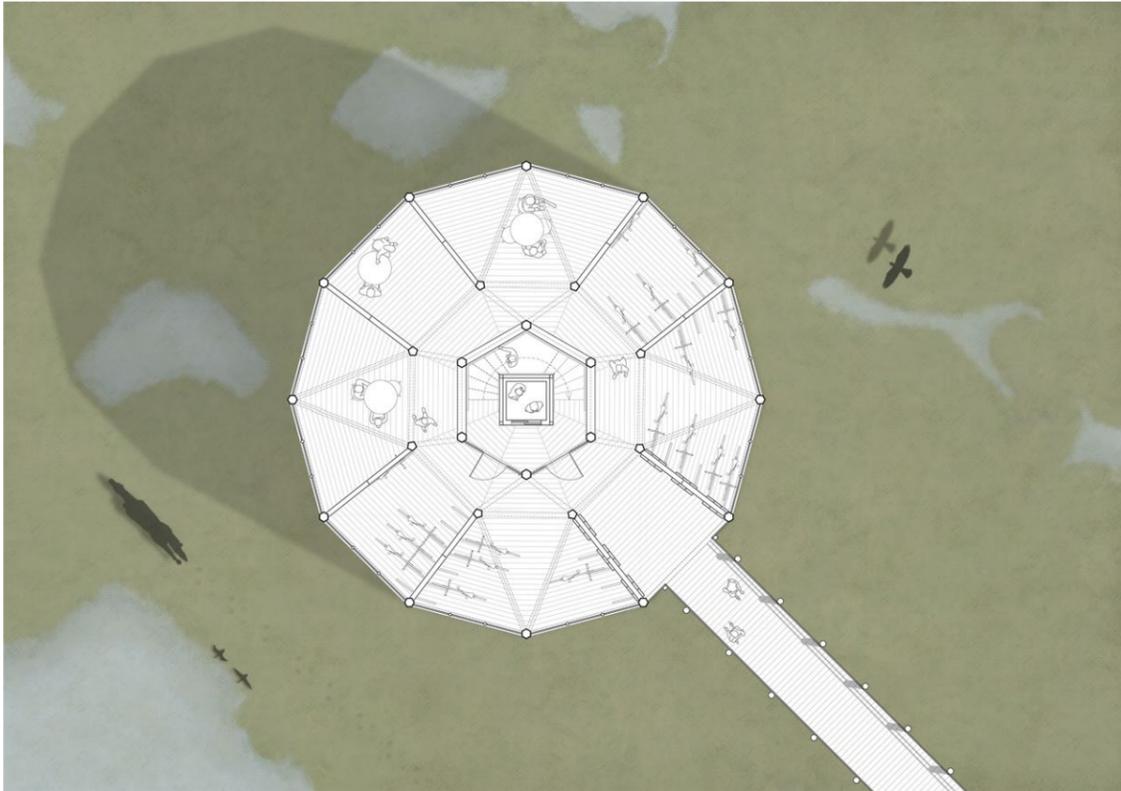




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HUNDRED YEARS
VERTICAL BUILDING
14M

Angela da Silva



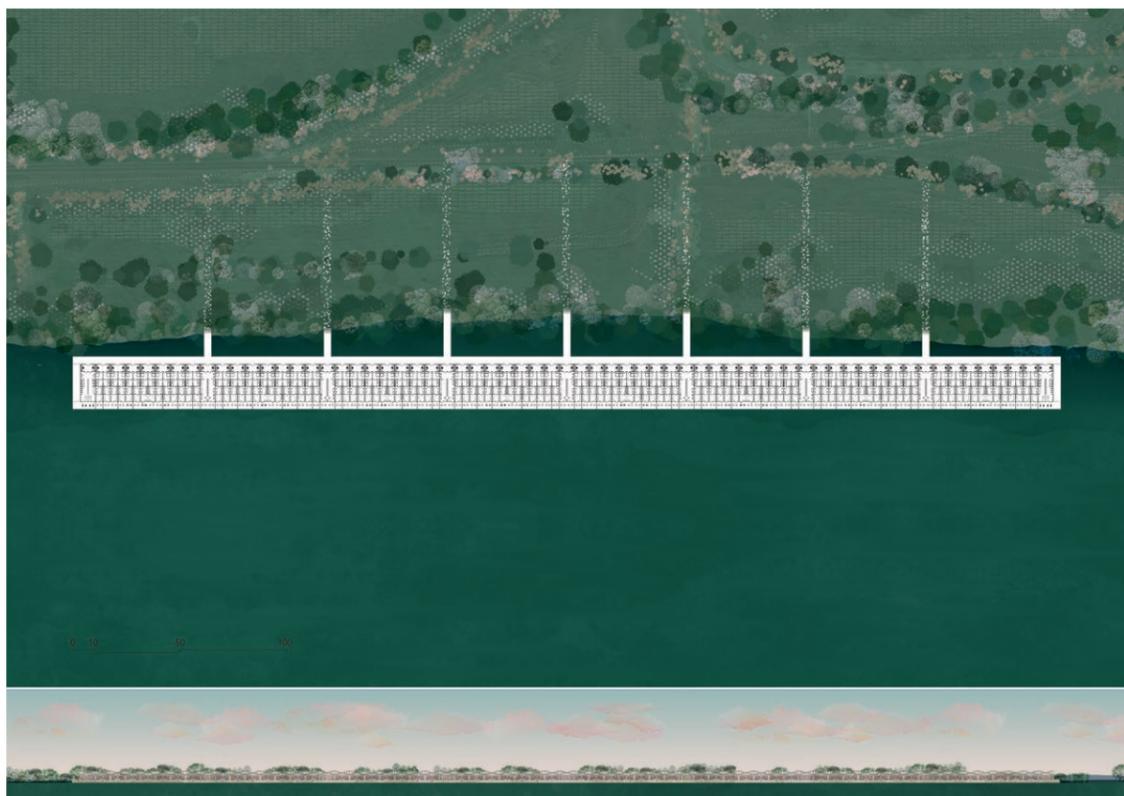




25

POST-COMFORT
LOW RISE - HIGH DENSITY
14M

Célia Codjia



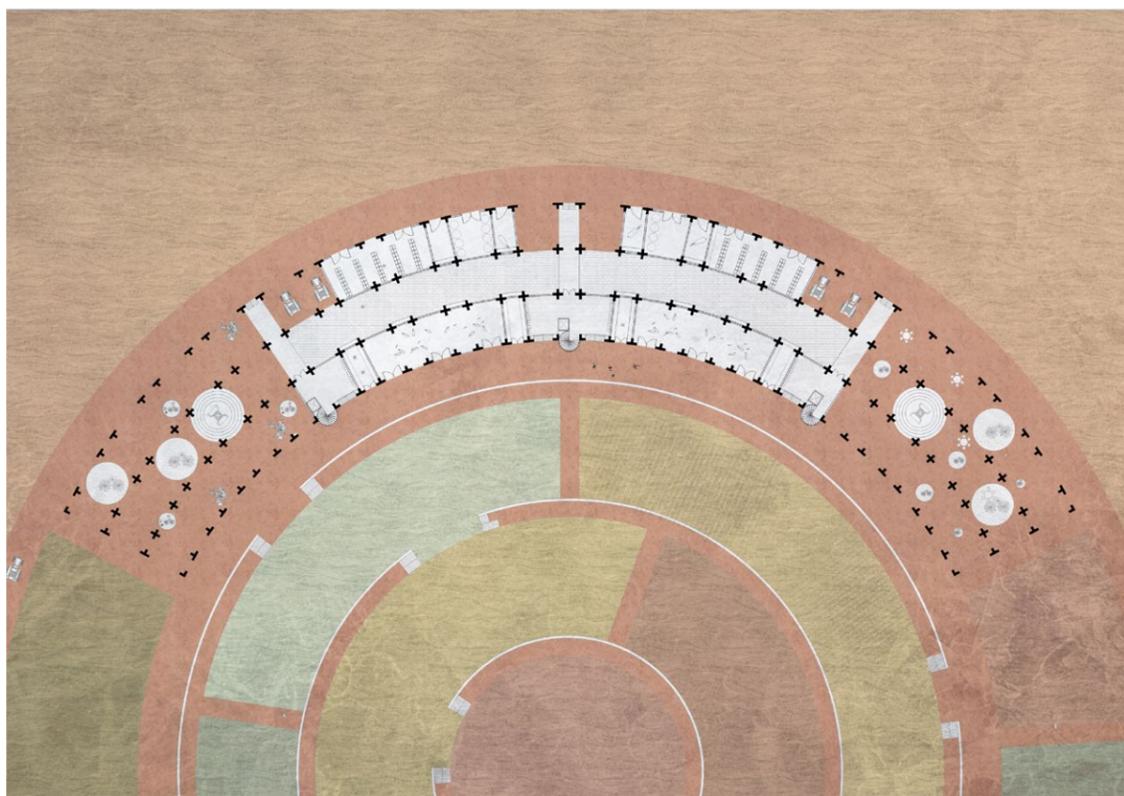




26

POST-COMFORT
LINEAR BUILDING
21M

Cynthia Tréport



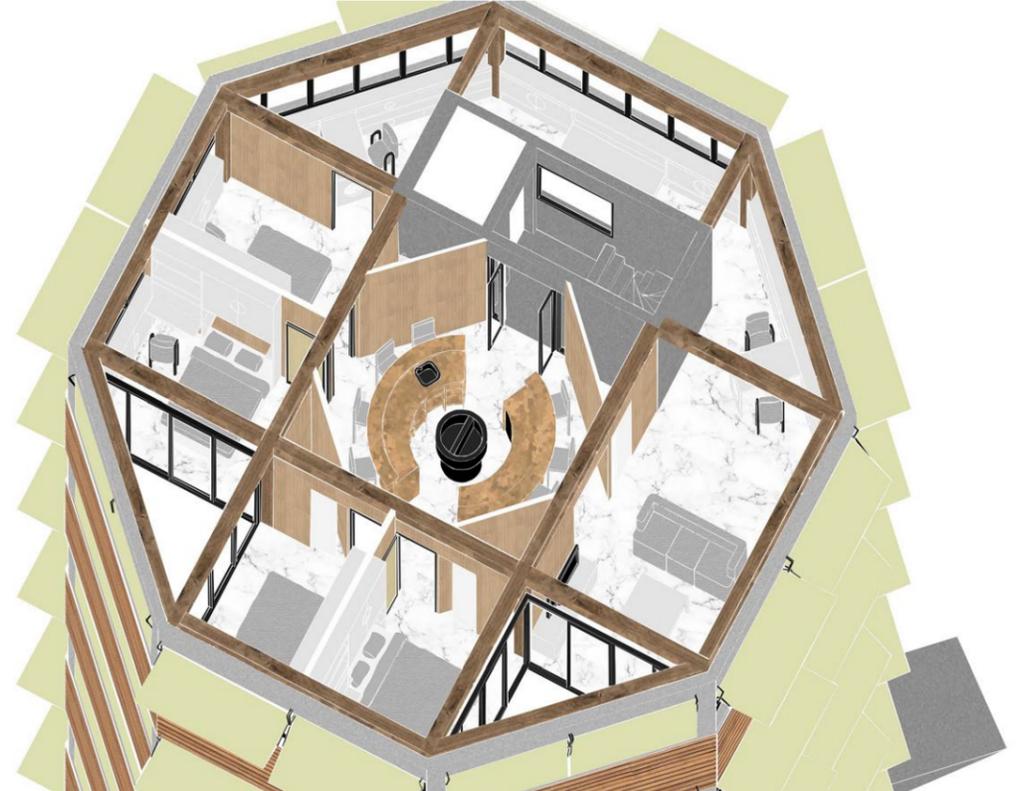
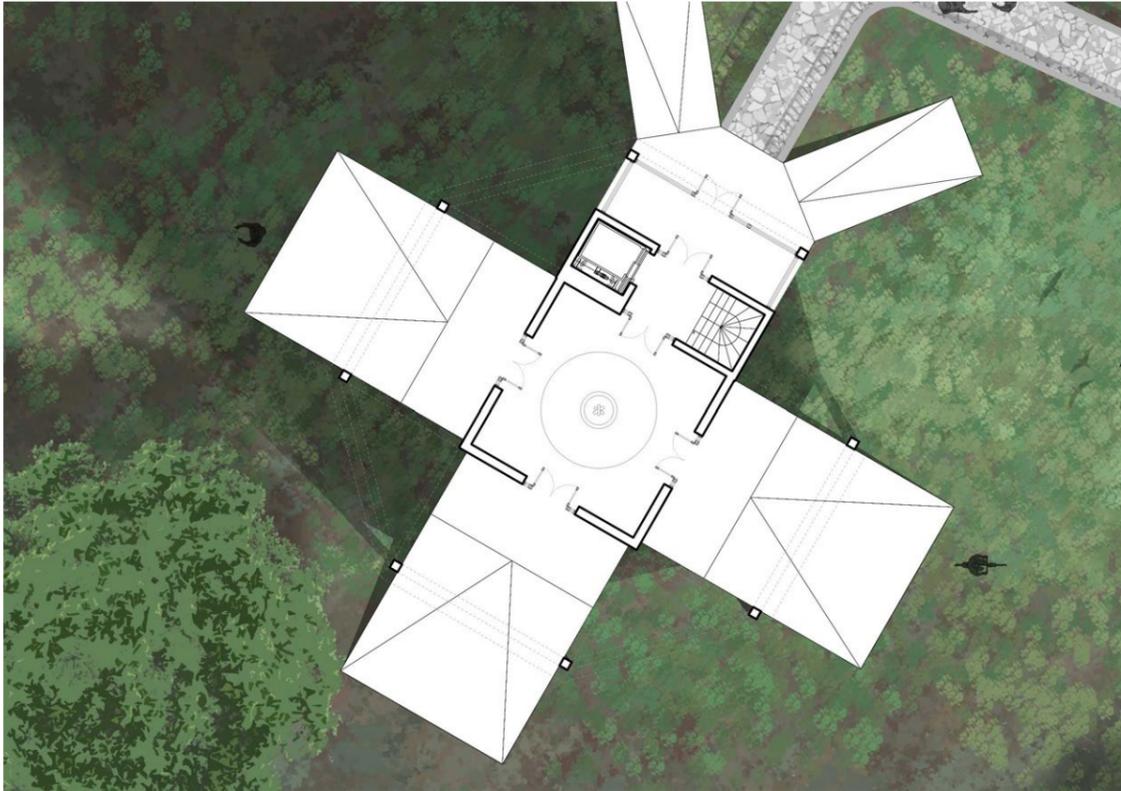




27

POST-COMFORT
VERTICAL BUILDING
14M

Hélène Kocik



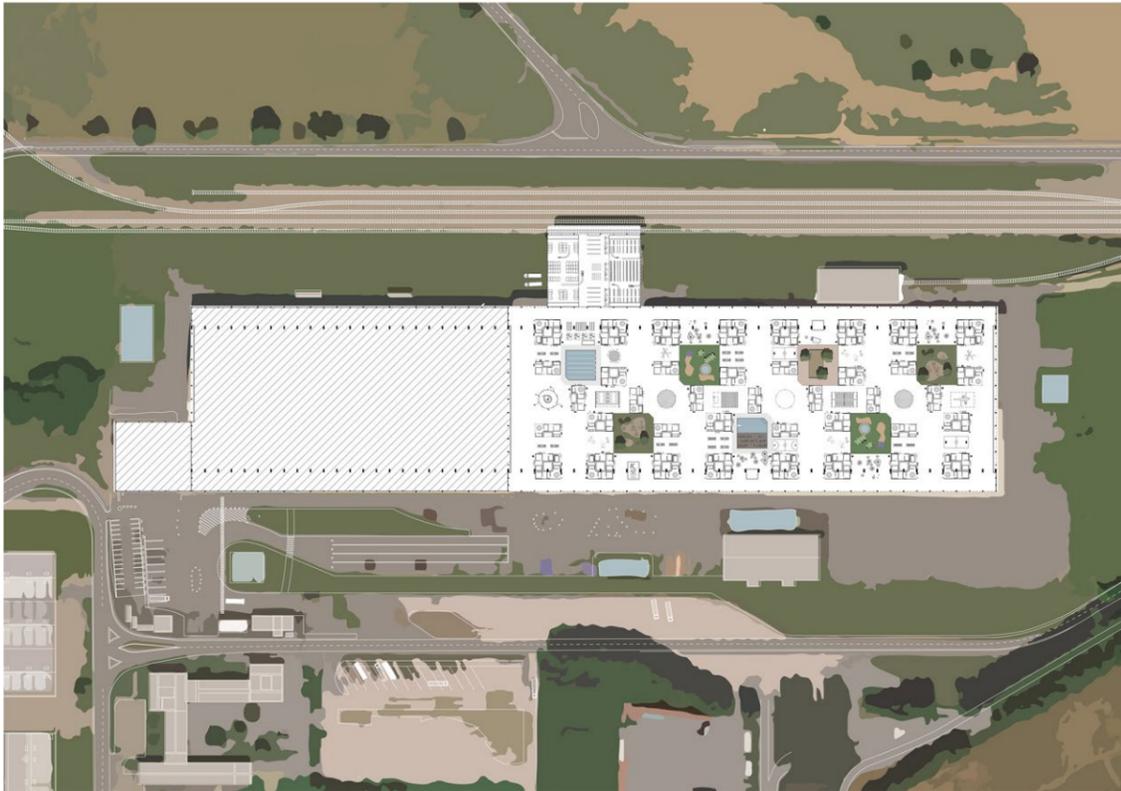


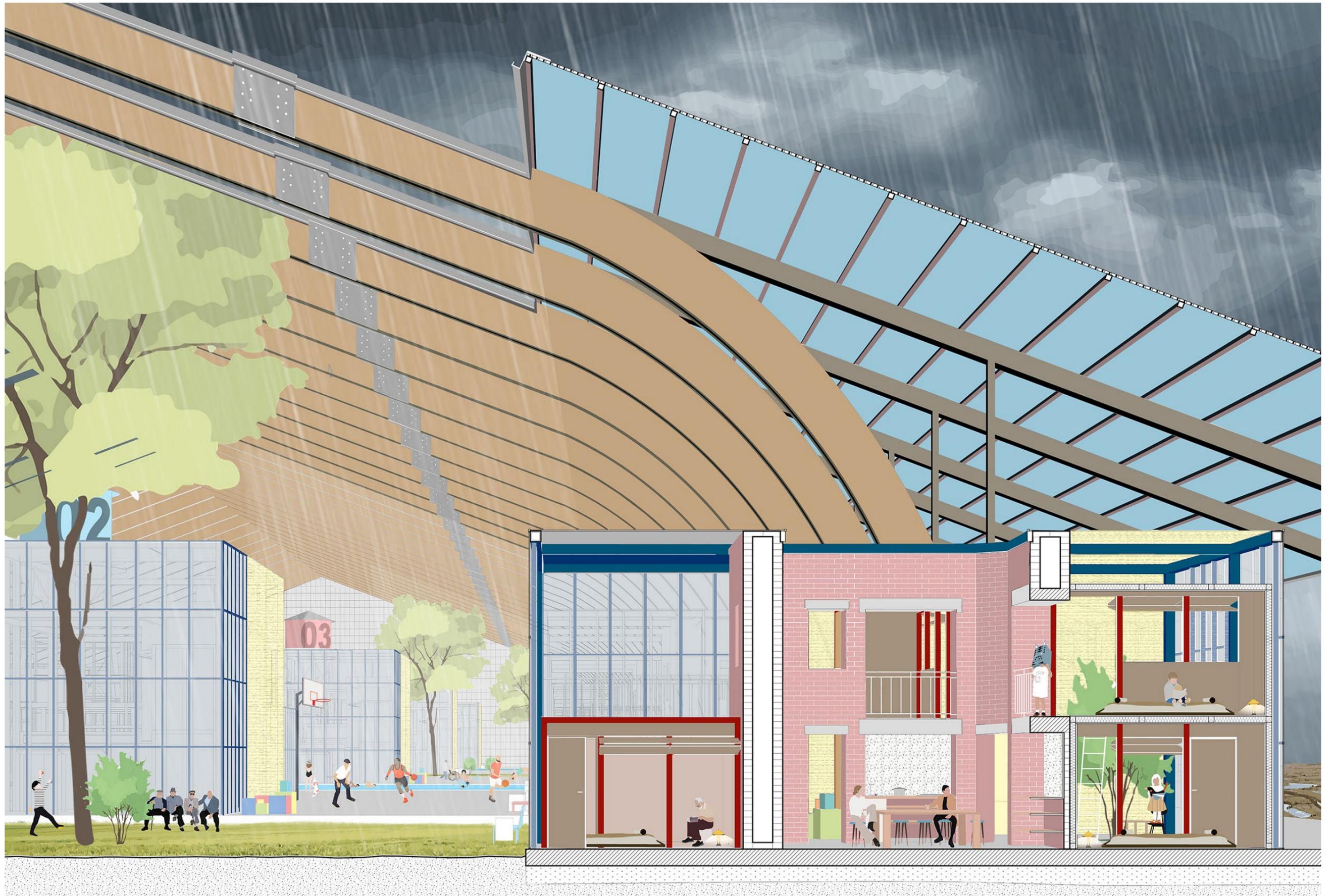


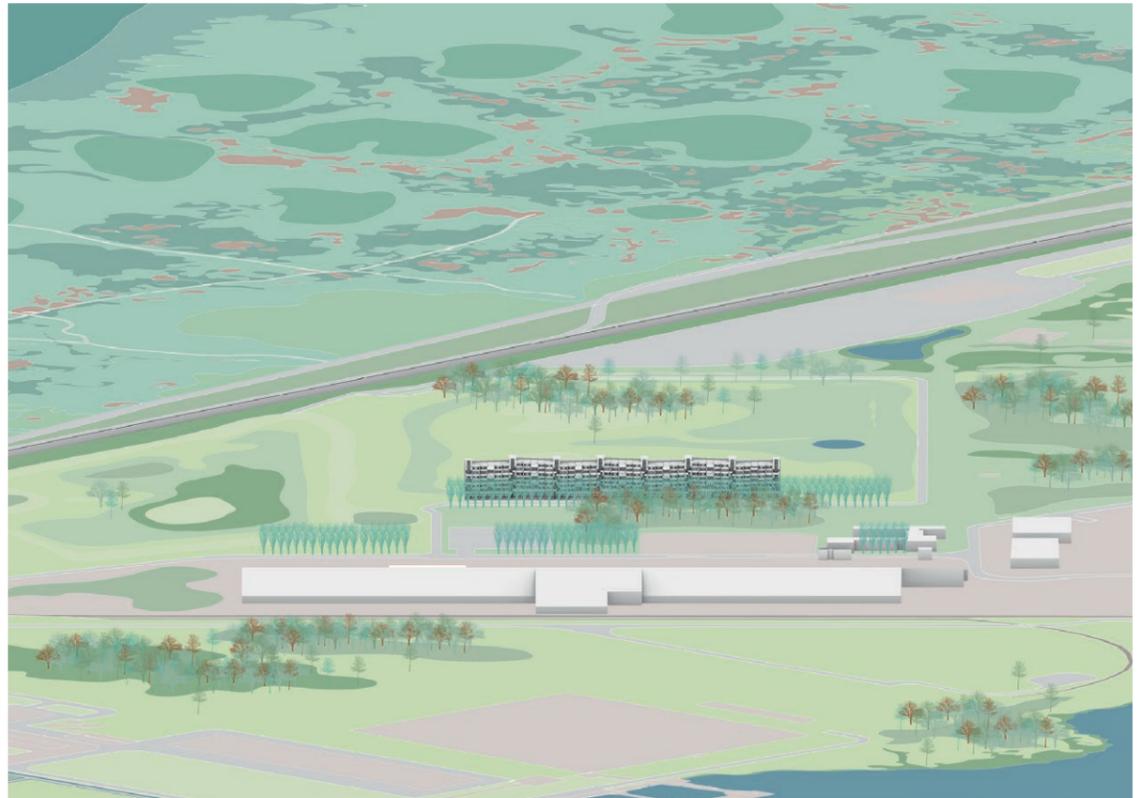
28

DOING TOGETHER
LOW RISE - HIGH DENSITY
14M

Antoine Jellimann



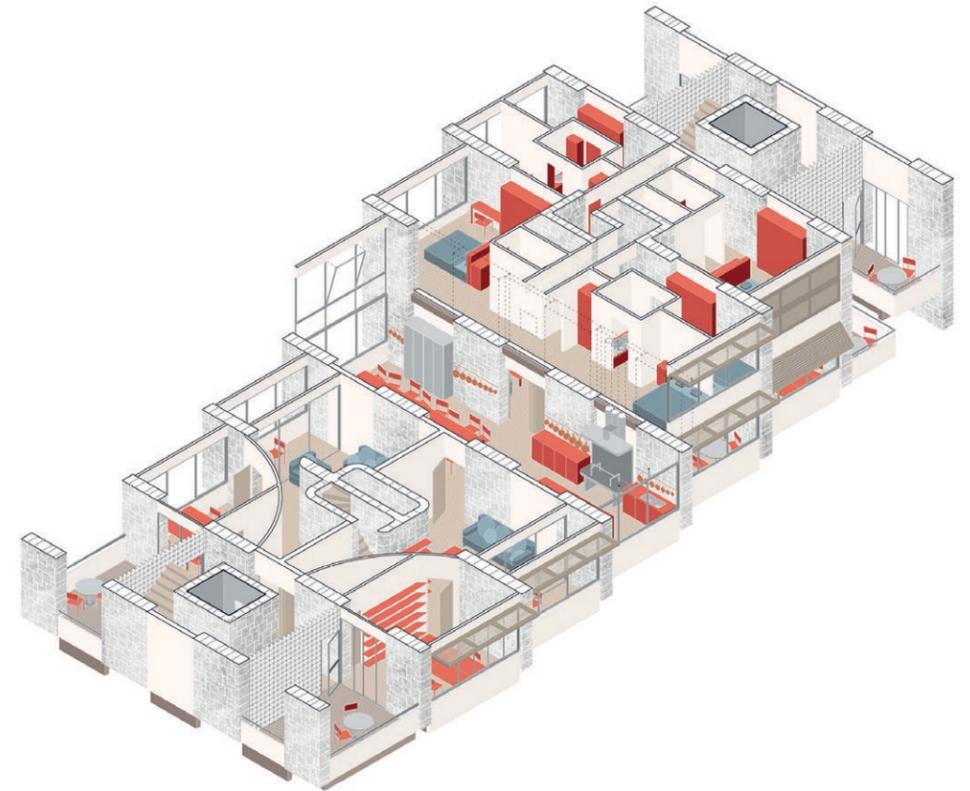




29

DOING TOGETHER
LINEAR BUILDING
14M

Margot Sustar



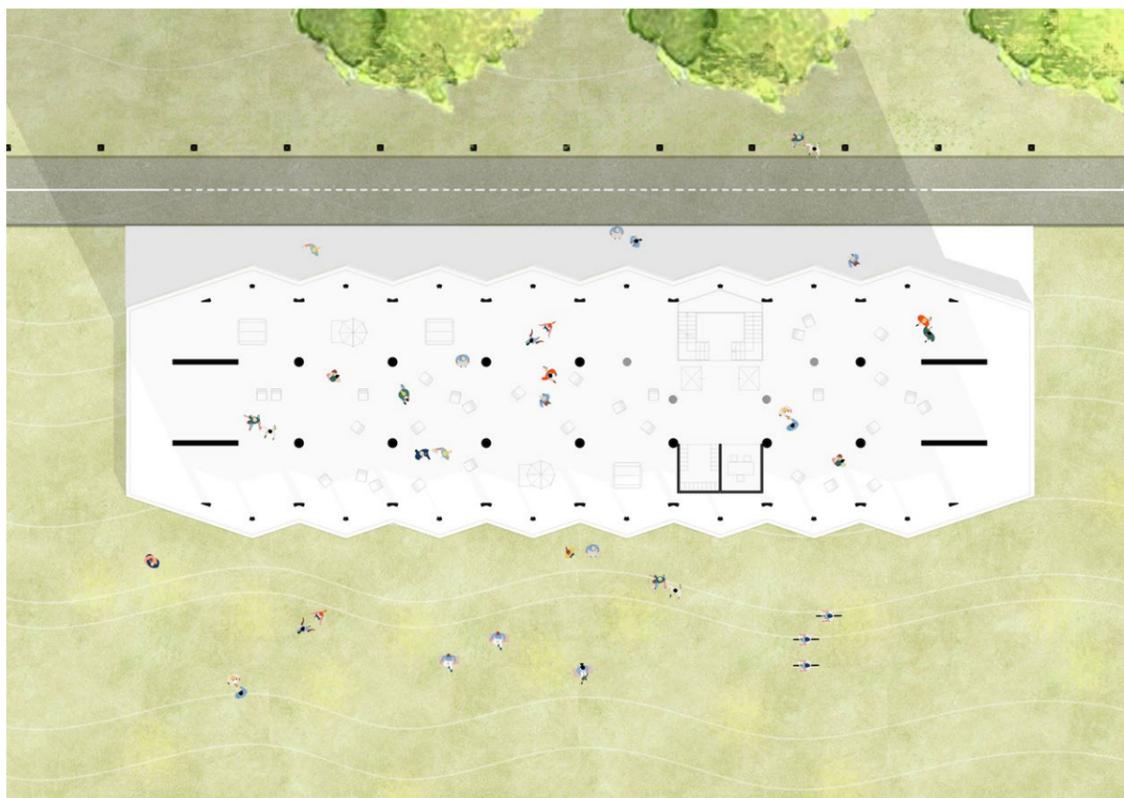




30

DOING TOGETHER
VERTICAL BUILDING
14M

Arianna Migliarino





Barkani Khadija, Baumann Sébastien, Brehin Florian, Castellotto Loïc, Chhour Kelly, Codjia Célia, Convert Agathe, D'Auria Enzo, da Silva Angela, Derouen Flore, Eugene Axel, Fachetti Claire, Flor de Oliveira Gabriel, Frémont Solène, Heidet Maxence, Hugues Clémence, Isidore Casey, Jellimann Antoine, Kocik Héléna, Larbi Bouamrane Bouchra, Lelièvre Maxence, Lortie Grégoire, Luo Shaojun, Michel Augustin, Migliarino Arianna, Nény Lucas, Neumann Laura, Przopiorski de Cay Marie, Sustar Margot, Tréport Cynthia, Vaudoux Lucas