

//workHOUSE

SuperREUSE

PHASE 1:
COMPRESSION ARTEFACT

Impressions of Canary Wharf:

Serious
Uninviting

Impersonal
Orderly

Intimidating
Sharp Lines

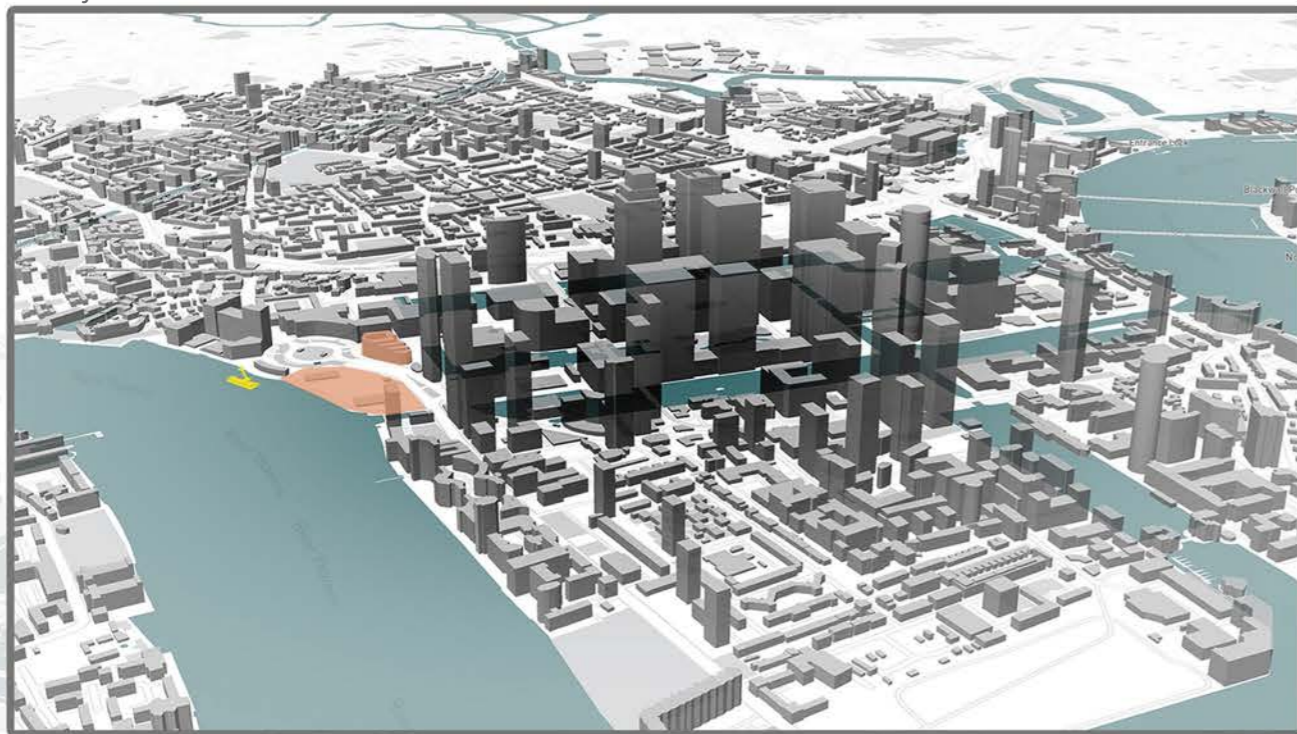
Related materials in the impression:

Metal

Reflective glass

Cool-toned stone

Canary Wharf area



Orange arrow: The Site
Yellow arrow: Canary Wharf pier

Canary Wharf Pier:

Once used for industrial and trade transport, as Canary Wharf has become an important global financial district, Canary Wharf pier is now mainly used for modern commuter services and tourist transportation.

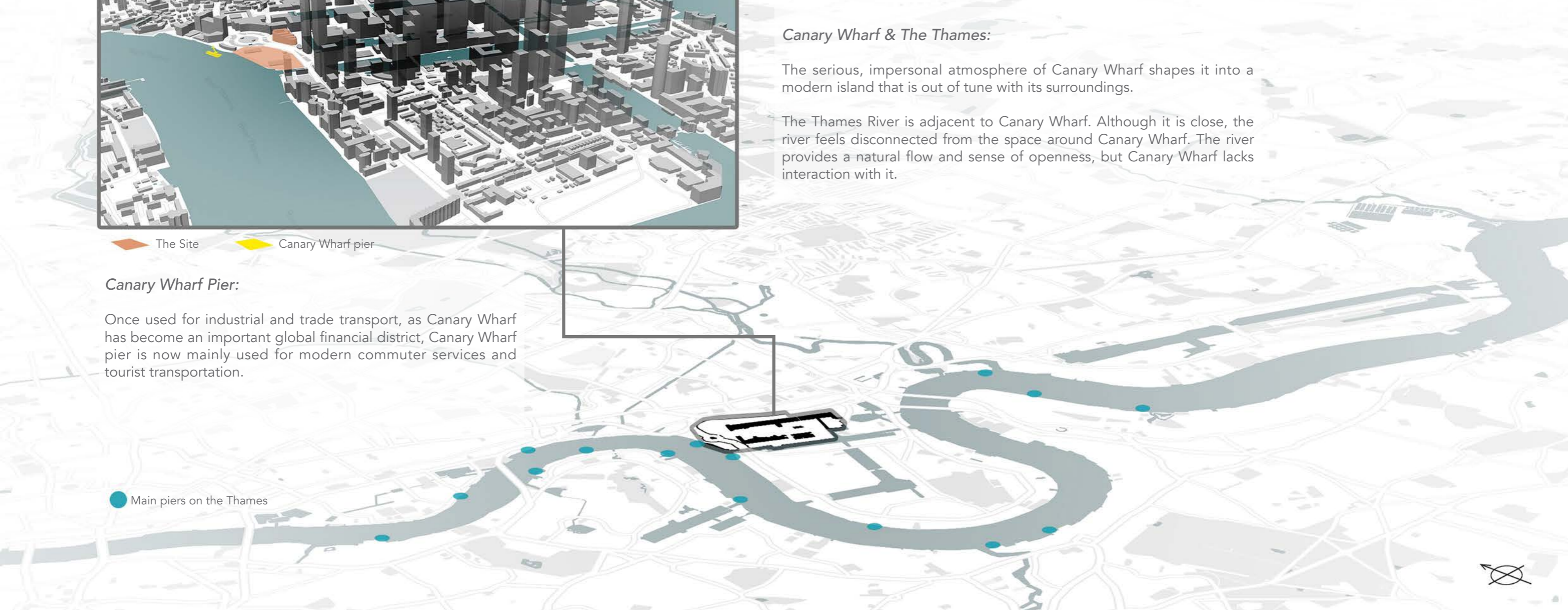
Blue circle: Main piers on the Thames



Canary Wharf & The Thames:

The serious, impersonal atmosphere of Canary Wharf shapes it into a modern island that is out of tune with its surroundings.

The Thames River is adjacent to Canary Wharf. Although it is close, the river feels disconnected from the space around Canary Wharf. The river provides a natural flow and sense of openness, but Canary Wharf lacks interaction with it.



Reflective windows



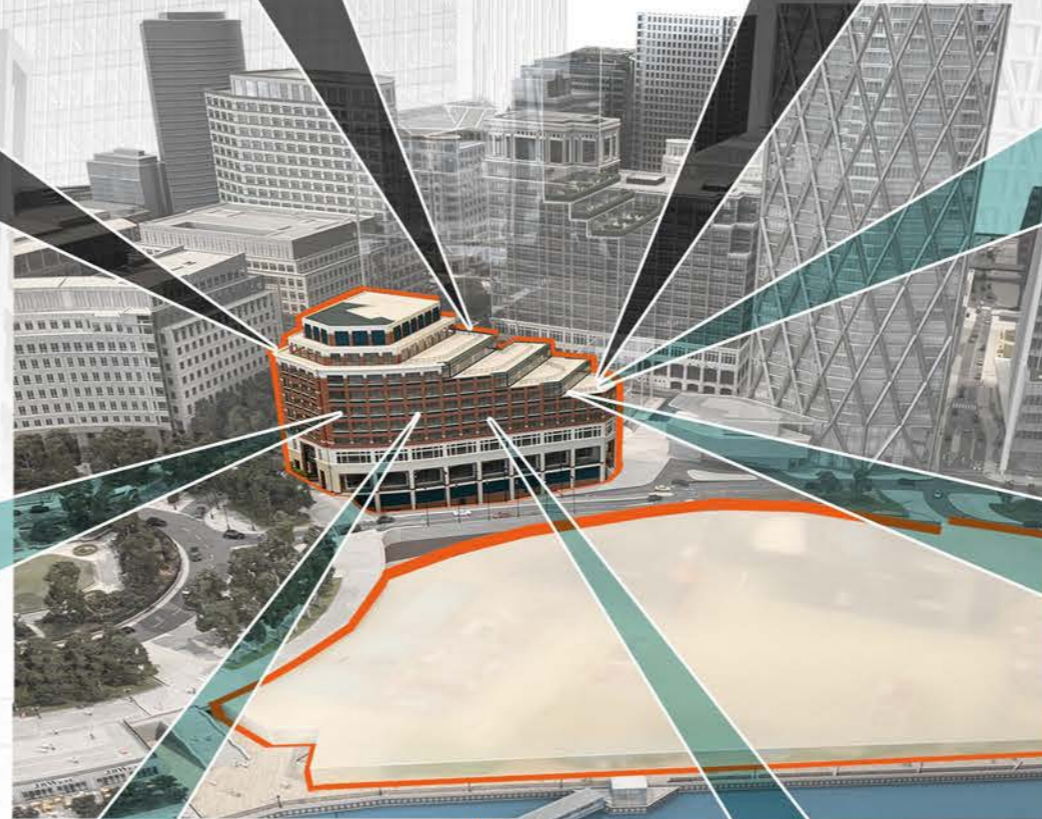
Vision Blockage



Surrounded by office buildings



Views from the windows facing the center of the area



The void



Broader horizons



More natural elements: seagulls



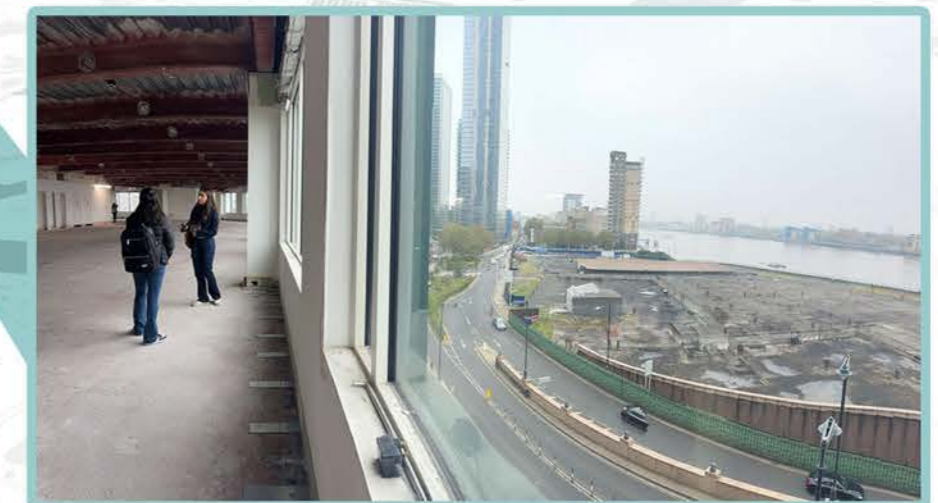
The void between the building and river



15 Westferry Circus

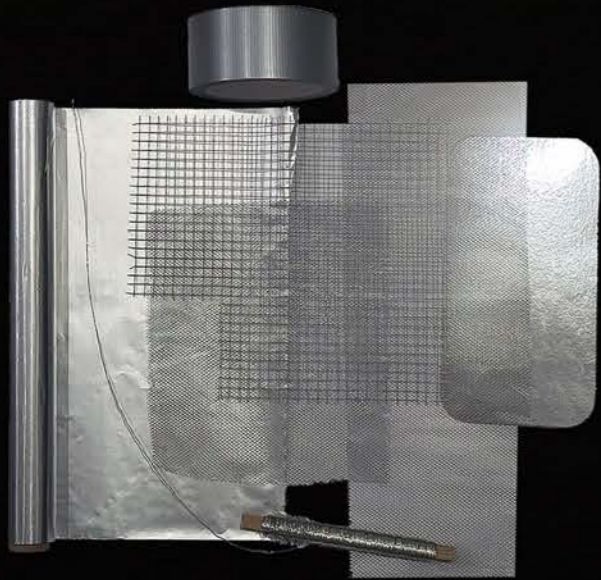
Views from the windows facing the river

Interior - exterior





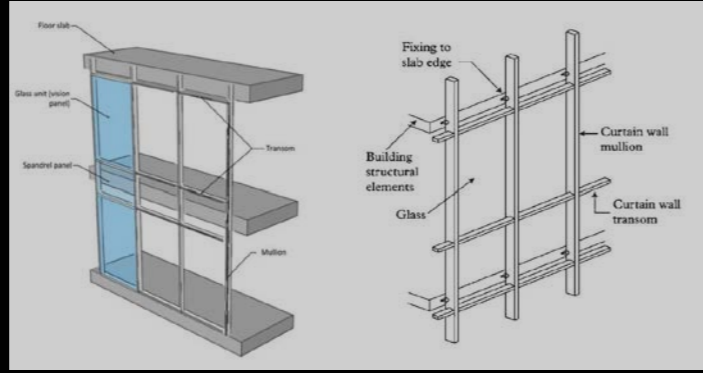
A sense of distance from the river.
The suffocating feeling of not being able to open the windows.



Metallic color - metal structure, modern feel
Reflection - reflective glass
Wire mesh - sense of order
Plastic film - windows that cannot be opened



Curtain wall research



Focus area

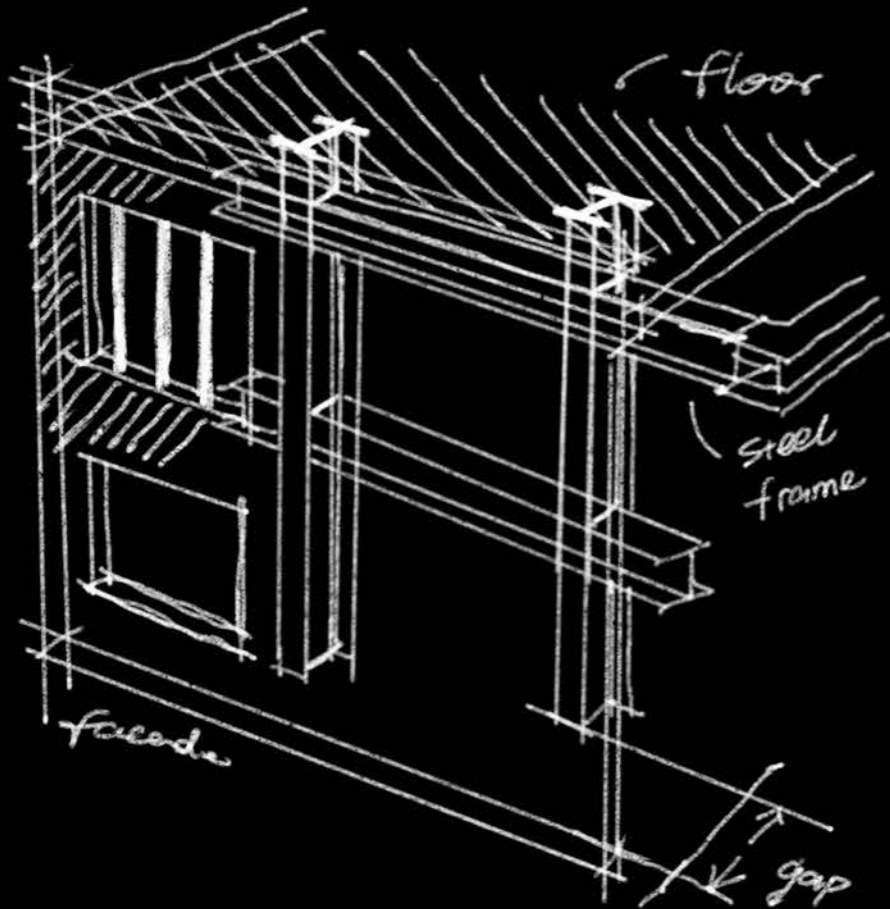
MORN, <https://www.mornglass.com/unitised-curtain-wall-introduction-installation.html>

K-Zan, <https://qstuts.com/curtain-wall-systems-types-benefits-design-and-trends/>

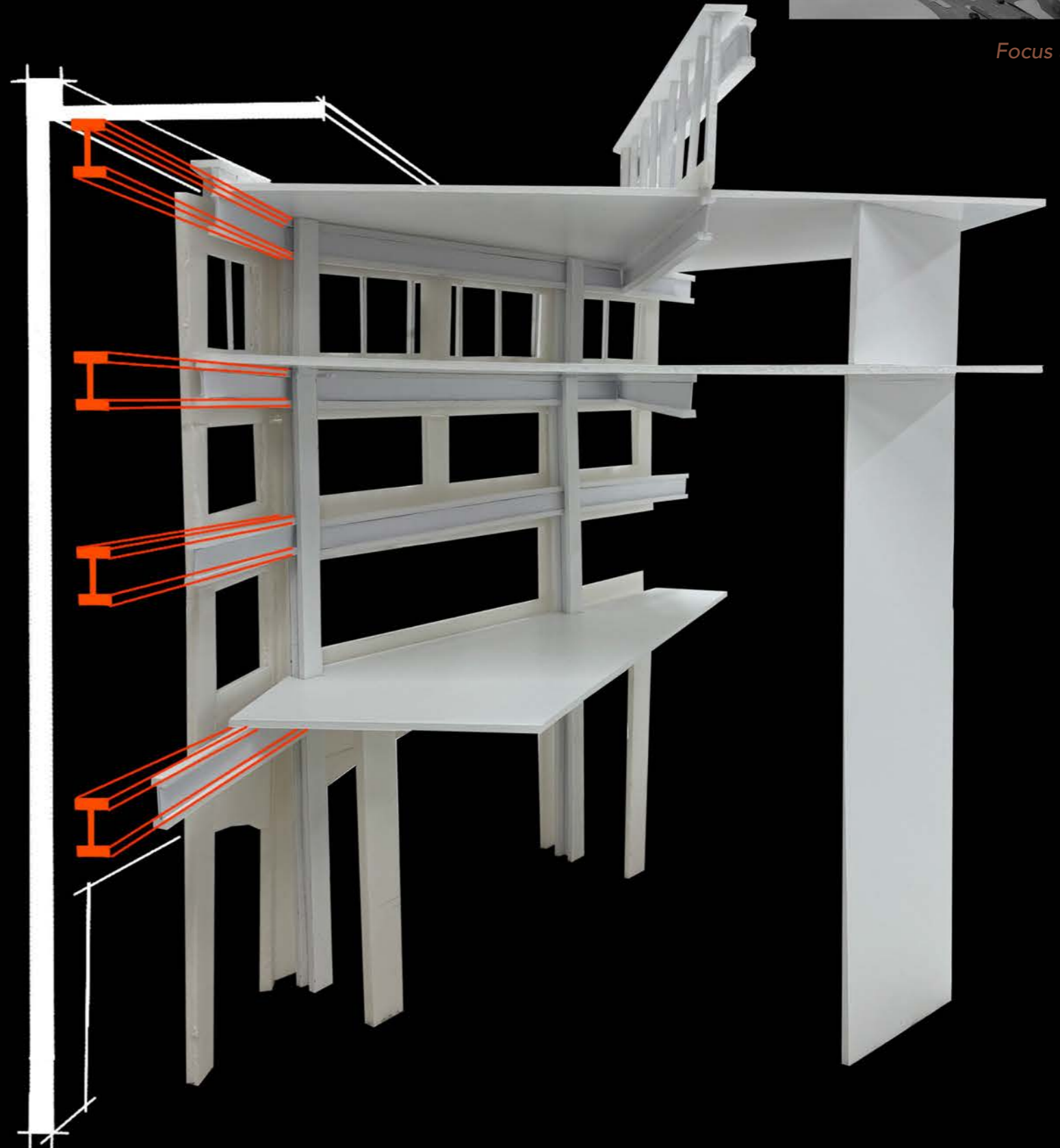
Connection detail photos



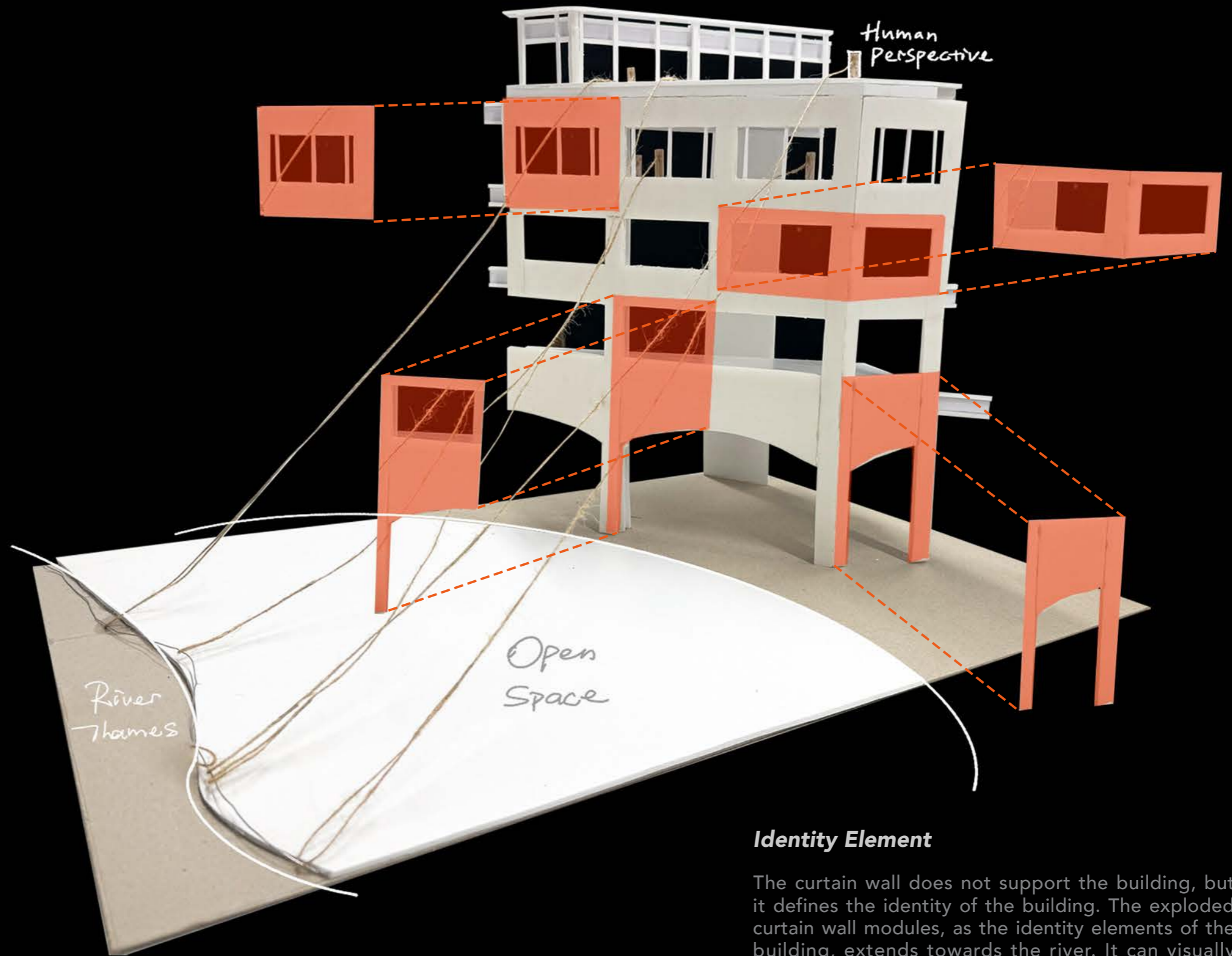
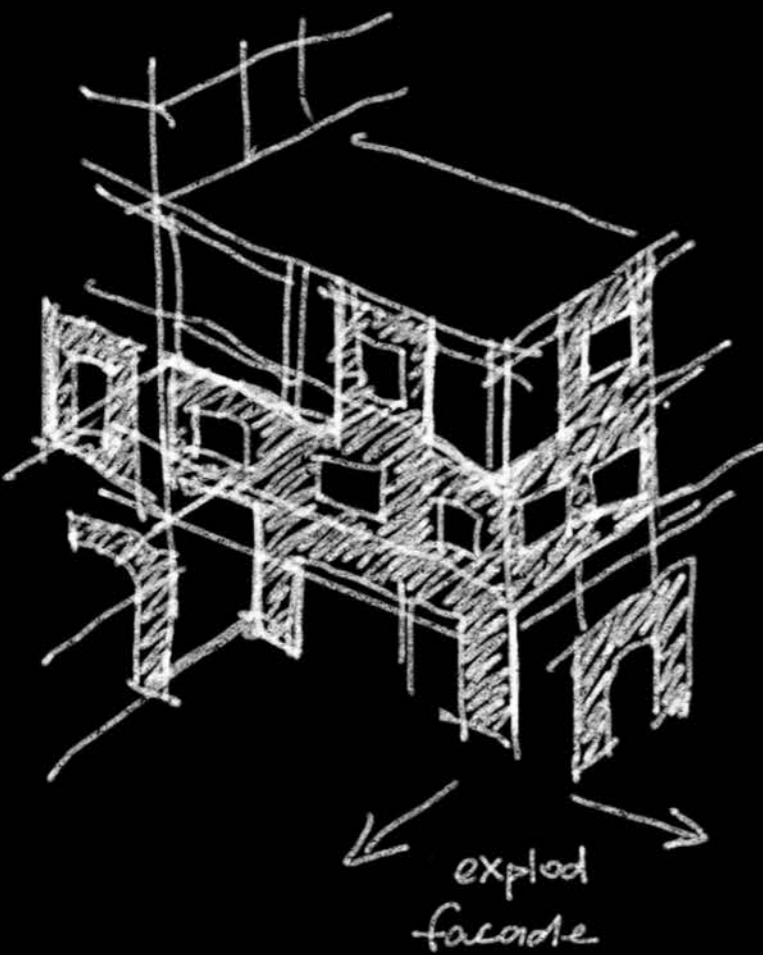
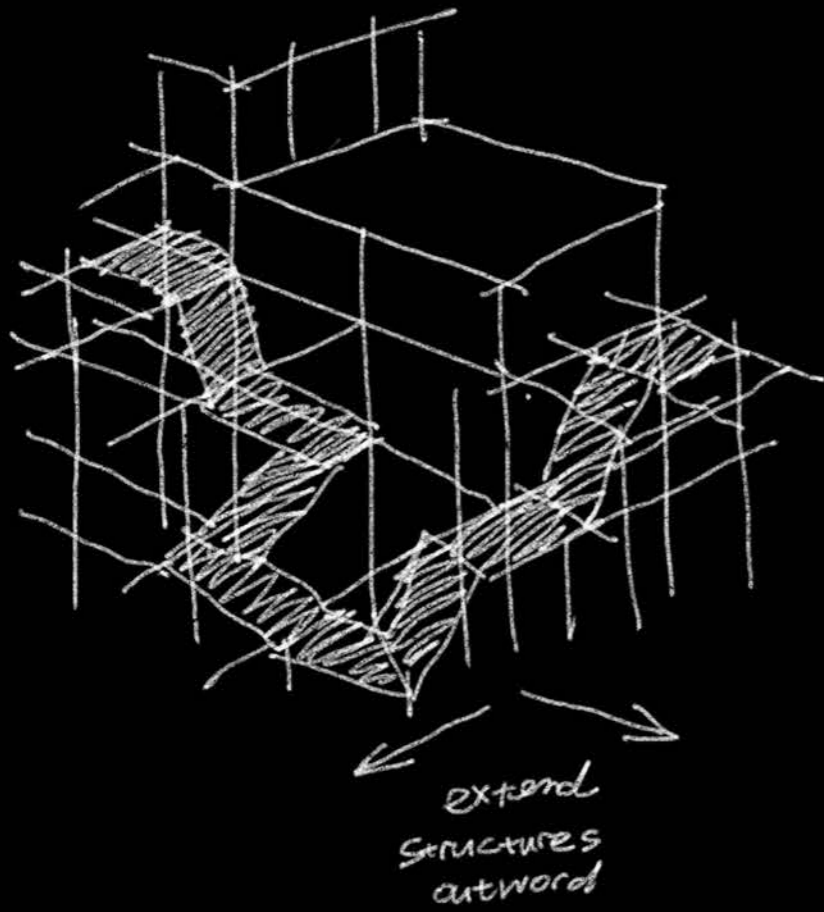
How is the facade connected to the building structure?



Unlike load-bearing walls, curtain walls are hung (like a curtain) on the structural frame of the building. They transfer loads to the main structural system without bearing the building's own weight.



Get closer to nature
Escape from the urban jungle



Identity Element

The curtain wall does not support the building, but it defines the identity of the building. The exploded curtain wall modules, as the identity elements of the building, extends towards the river. It can visually connect the building, the open space and the river.



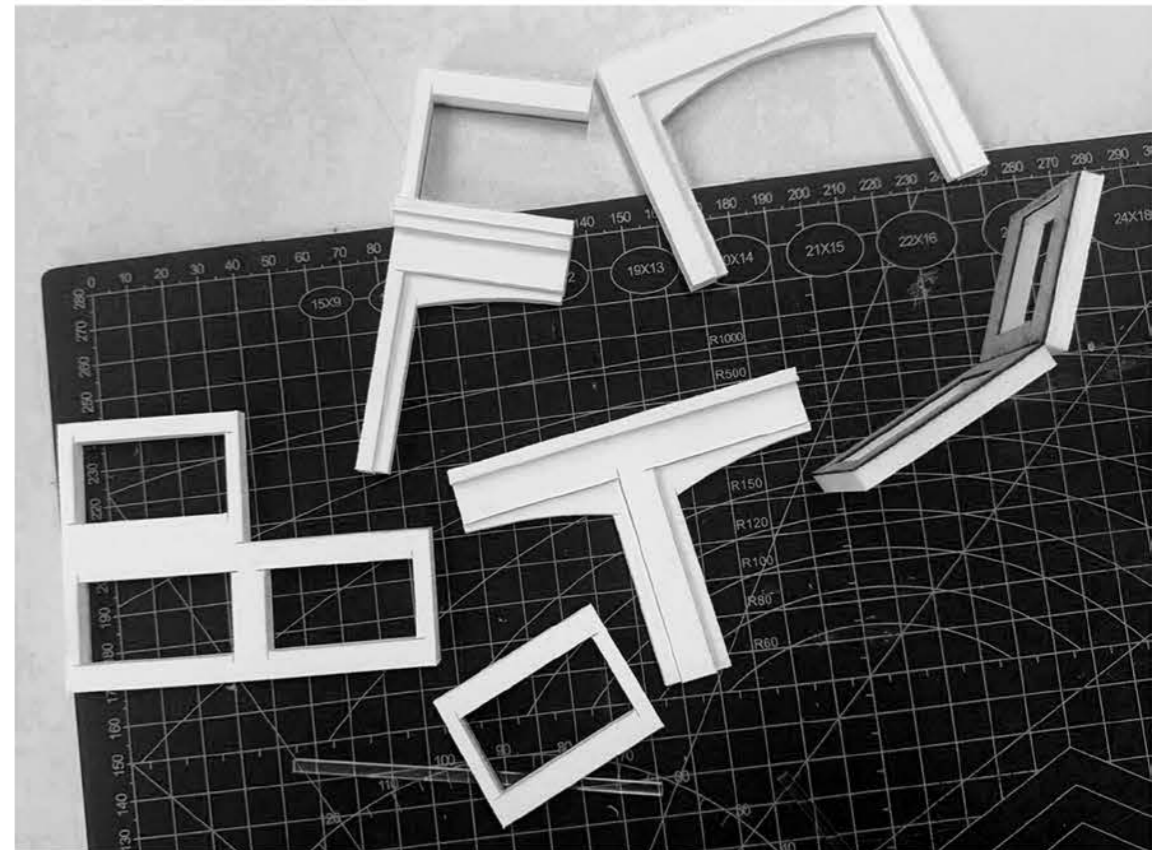
Visually extending the building towards the river.
Break the sense of order.

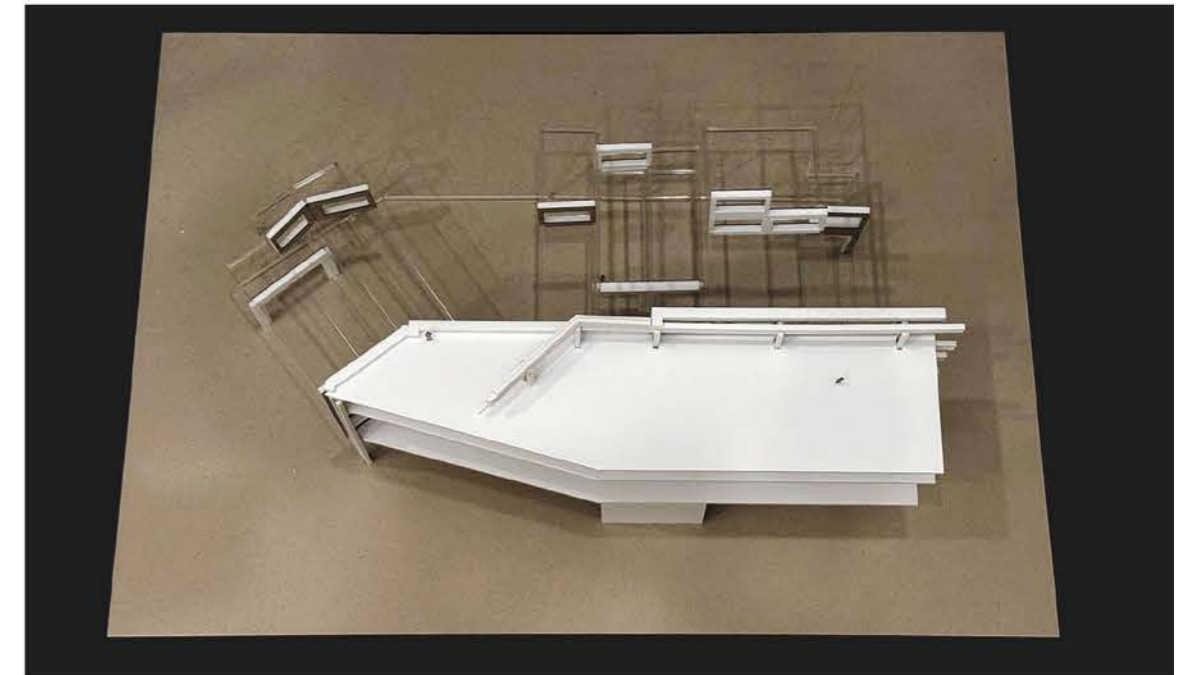
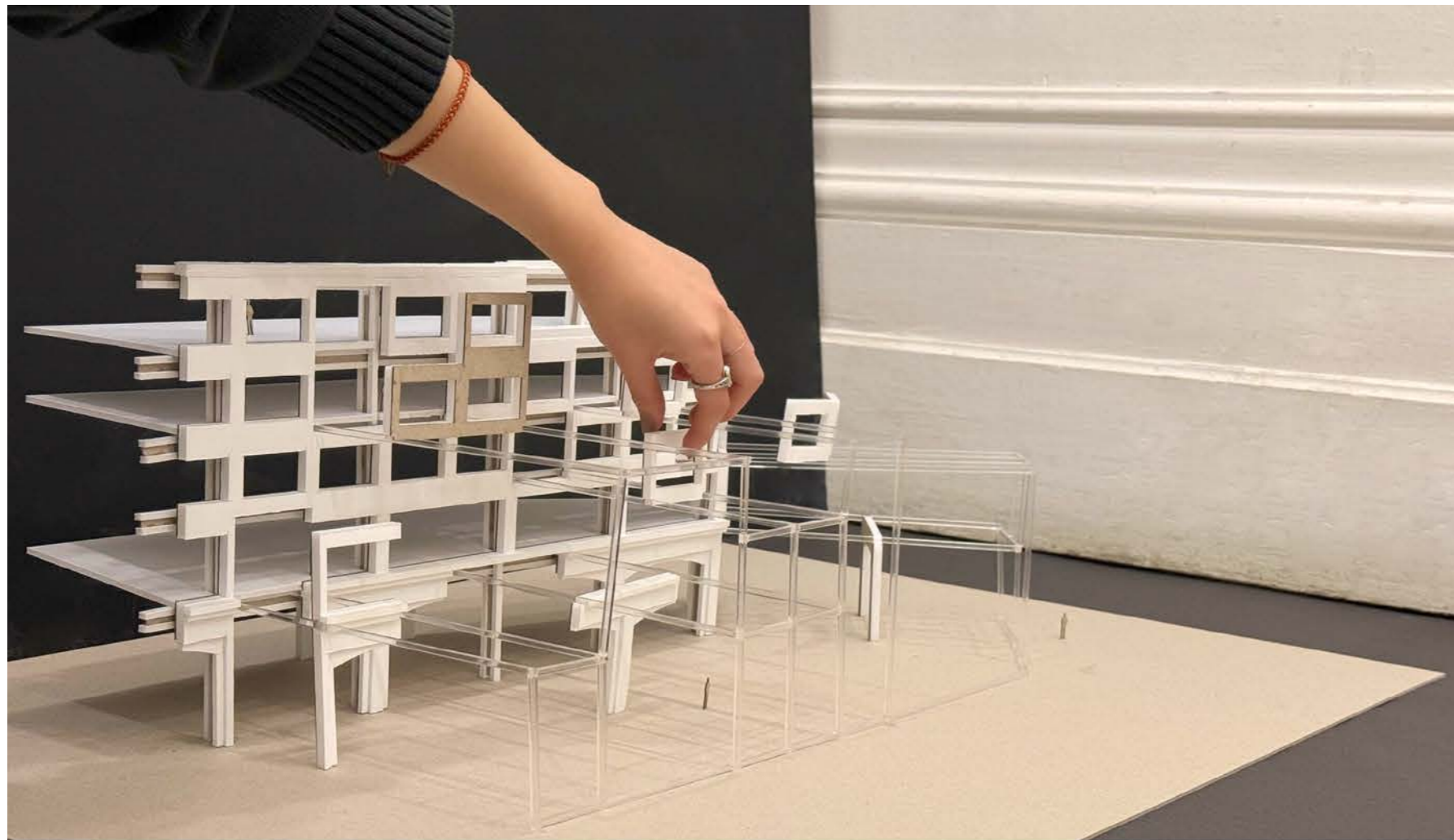


Compression Artifact



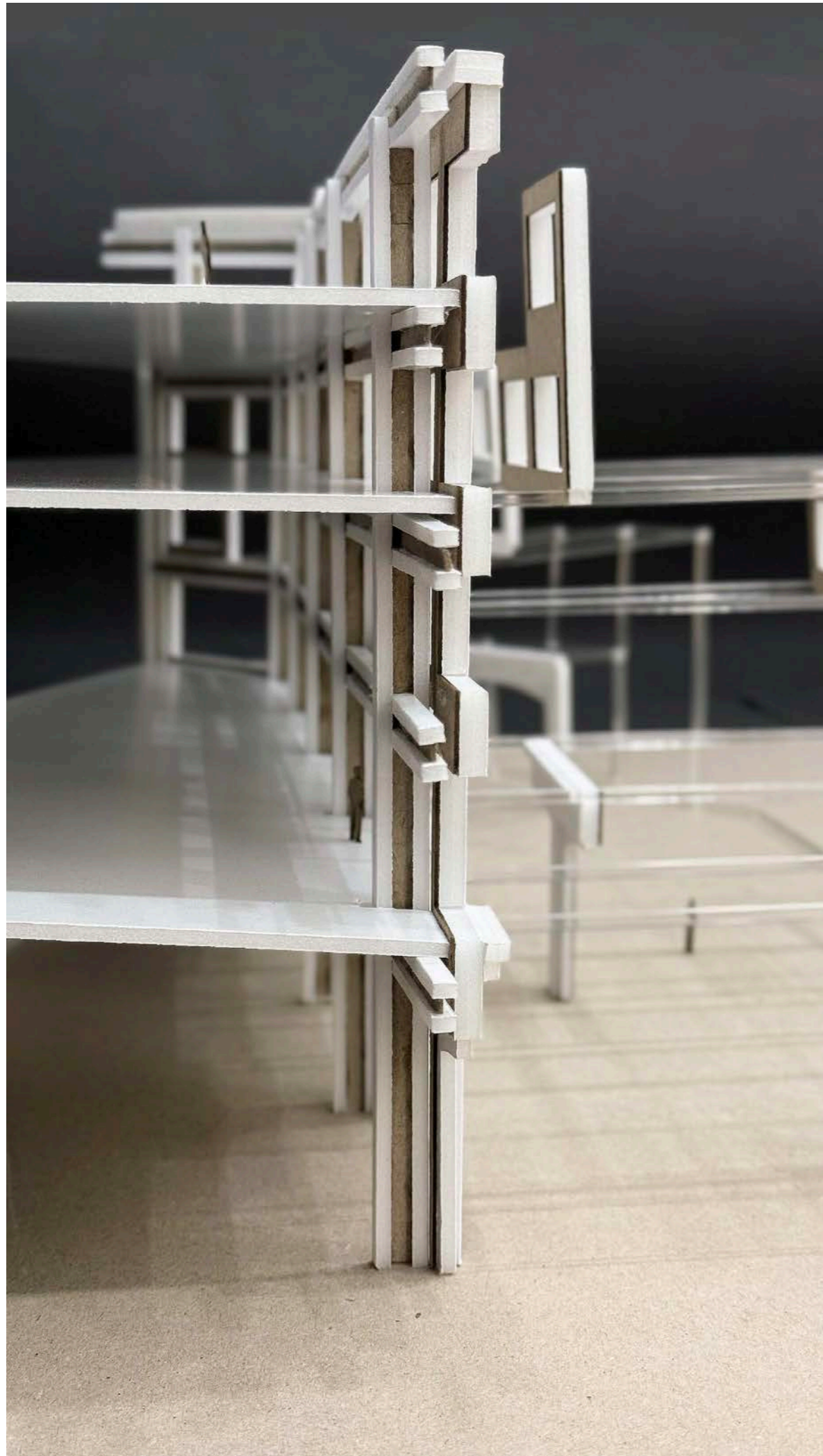
Focus area

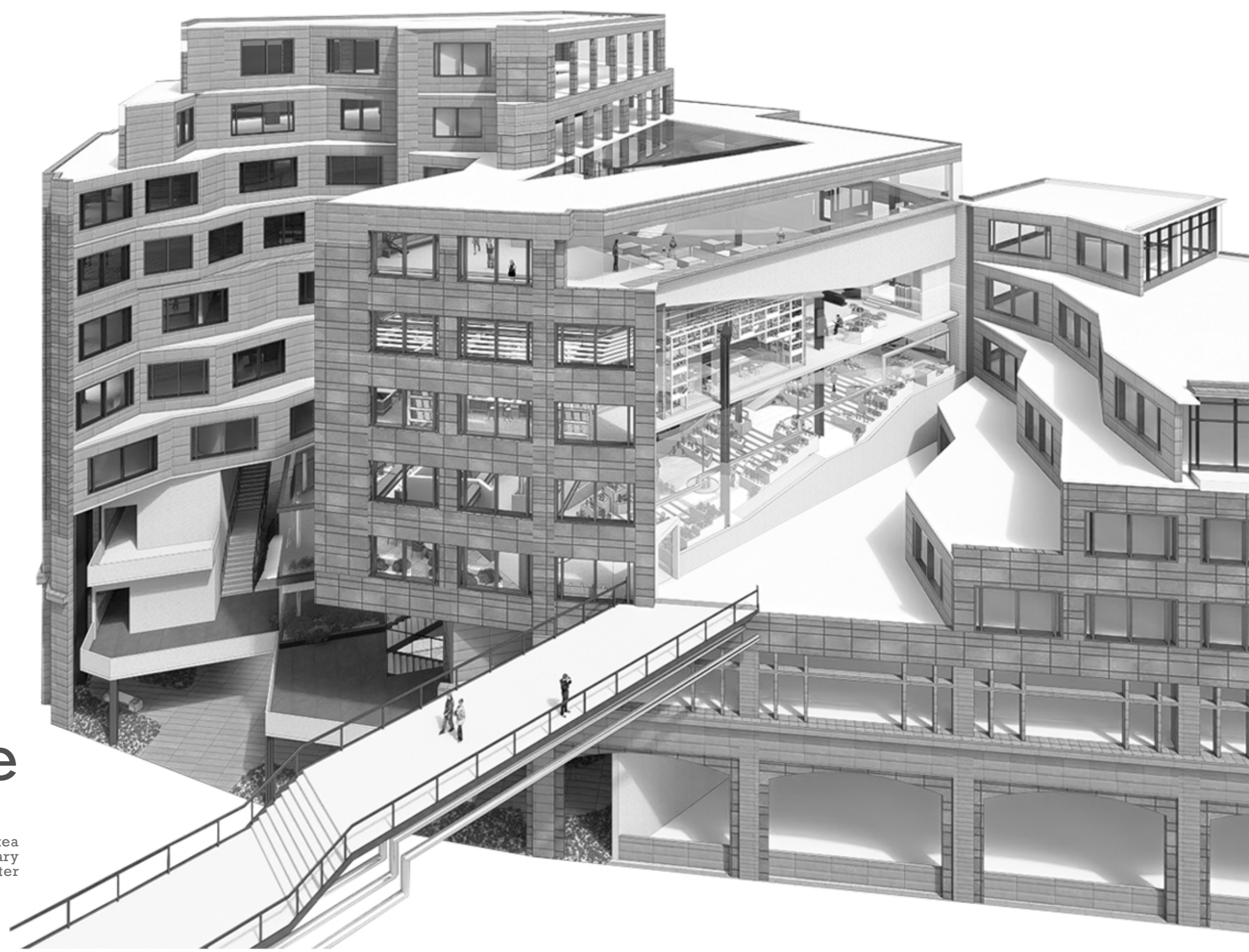




Explore opportunities

- Different combinations of extension distances, creating different combinations of space extension, visual or physical.
- The exterior side faces the interior of the building, showing the interior finishes to the outside. Blur the line between inside and outside.





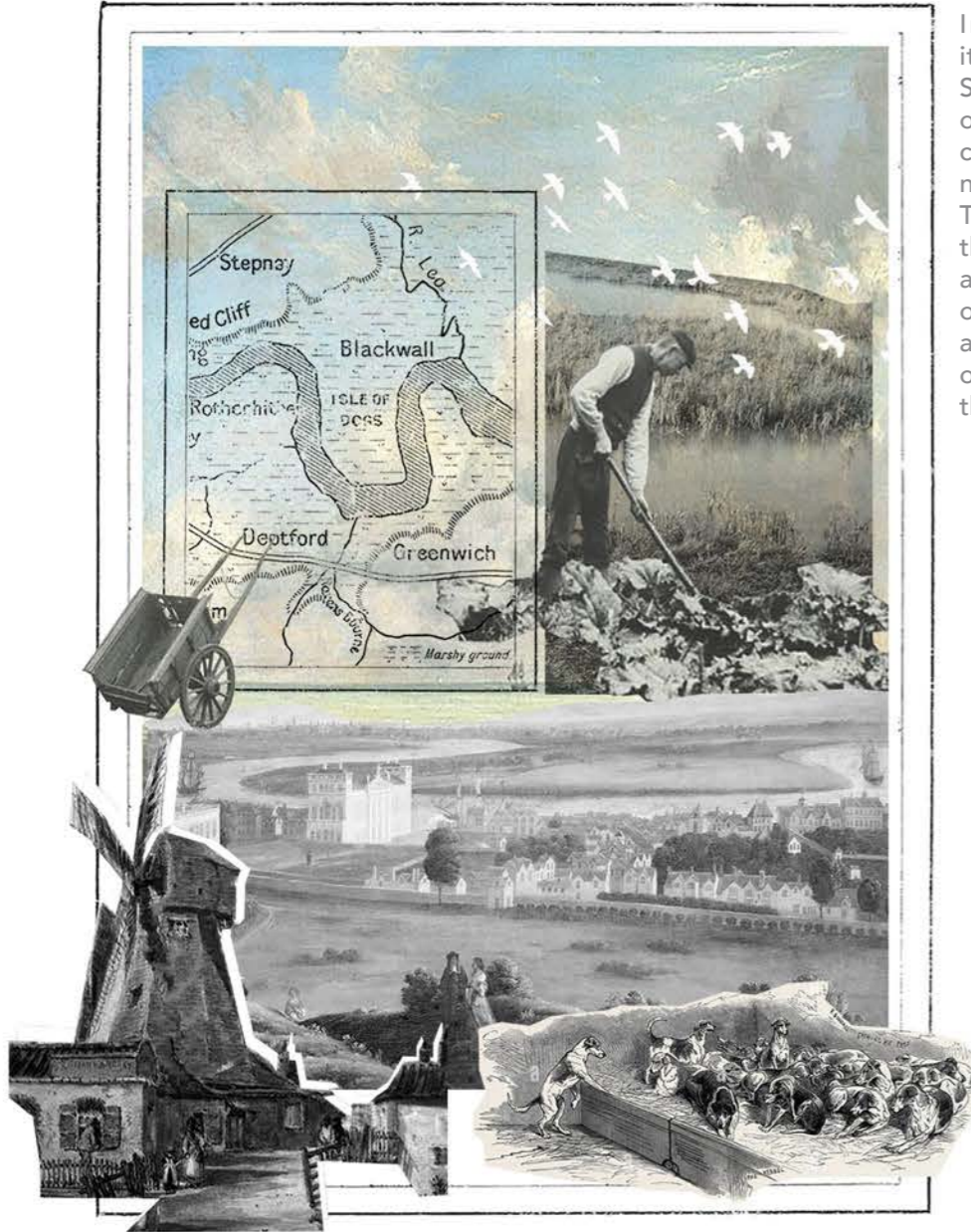
PHASE 2:
PROPOSAL PROGRAM

Wharf Tea Experience

Bridges the past and present, bringing back tea trade culture and clean Thames water to Canary Wharf with modern planting trends and water purification system.

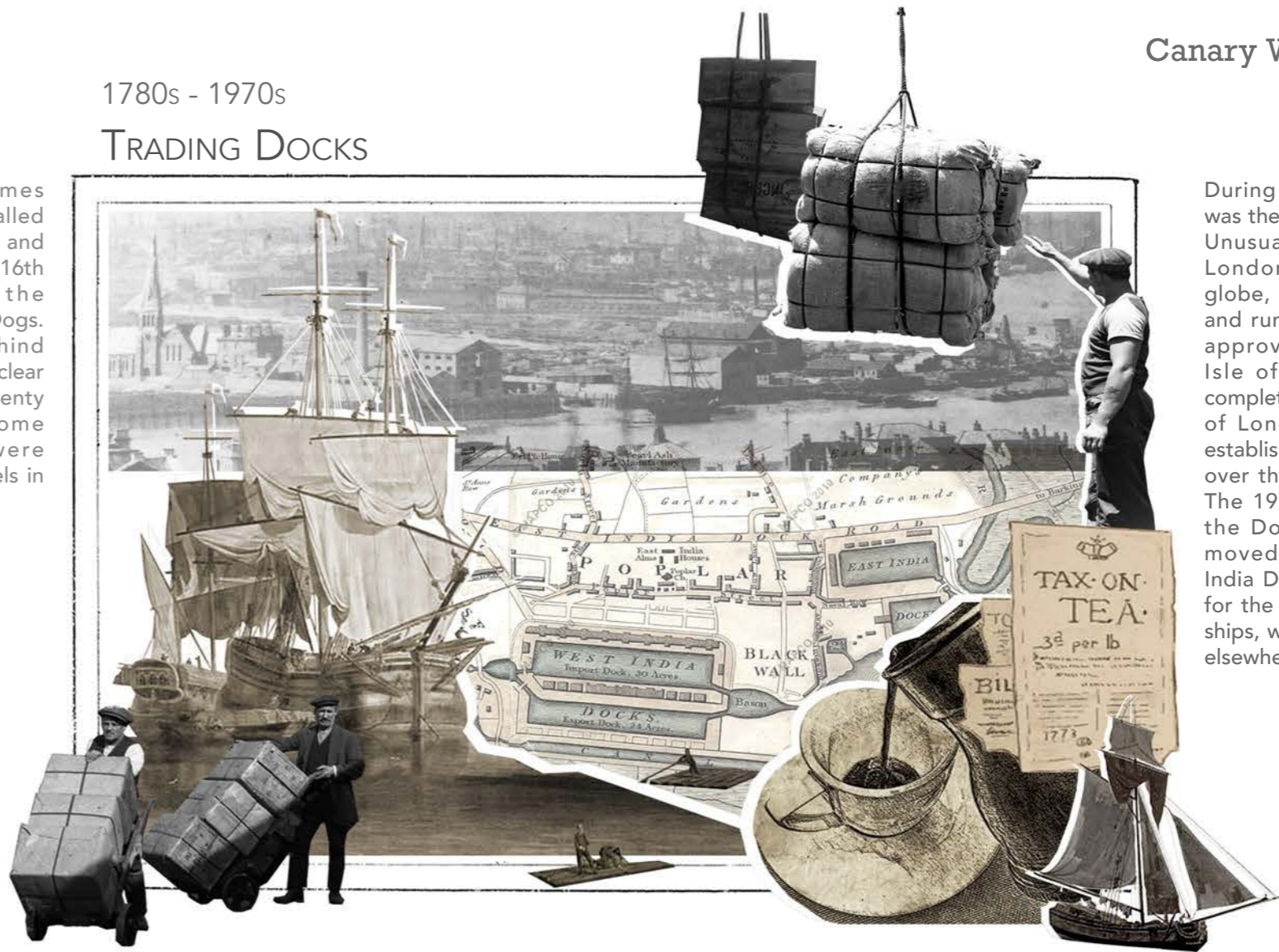
Canary Wharf Timeline

BEFORE 1600s
MARSHLAND



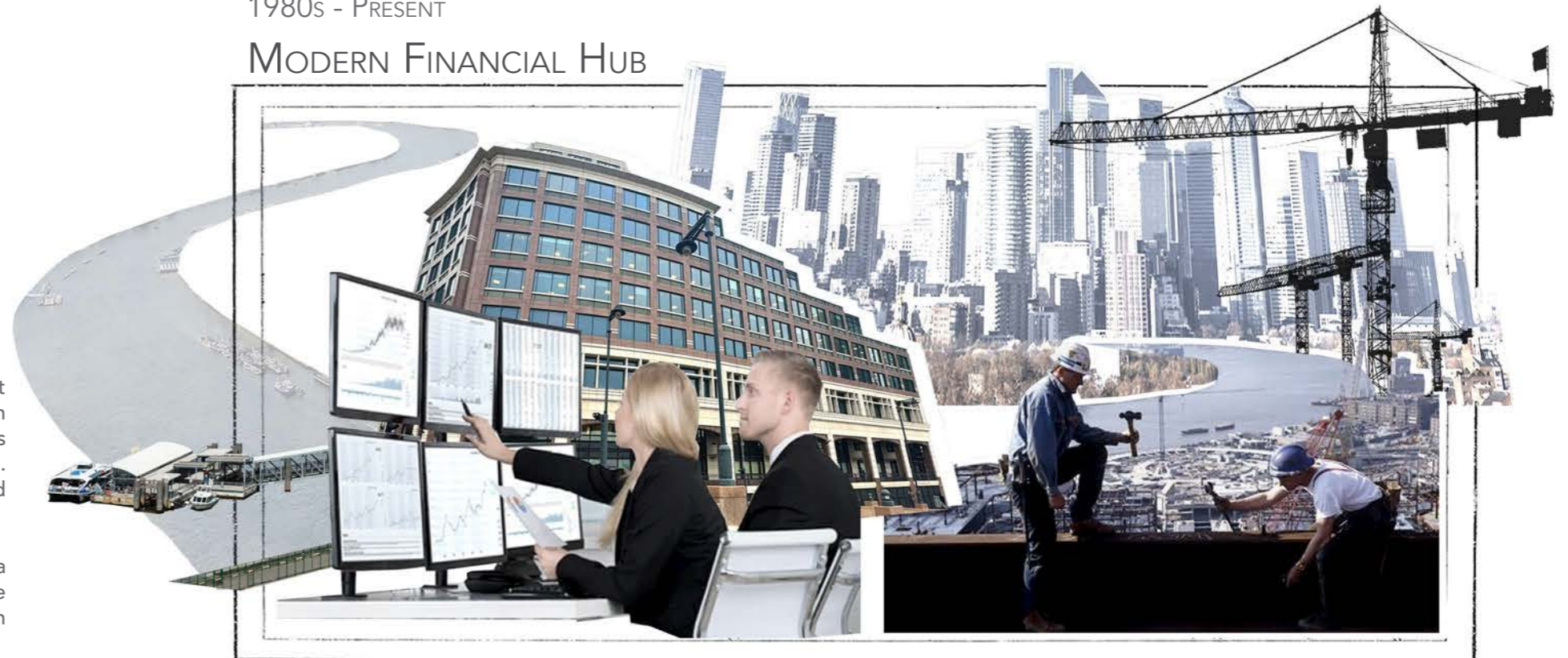
In medieval times it used to be called Stephany Marsh and only later, in the 16th century took the name of Isle of Dogs. The reason behind this name is not clear and there are plenty of theories. Some affirm there were once royal kennels in the area.

1780s - 1970s
TRADING DOCKS



During the 1780s, London was the world's busiest port. Unusual produce came to London from around the globe, including tea, sugar and rum. With parliament's approval, the first of the Isle of Dogs' docks was completed in 1802. The Port of London Authority was established in 1909 and took over the West India Docks. The 1970s were tough for the Docklands. Factories moved out and the West India Docks were too small for the new, huge container ships, which took their trade elsewhere.

1980s - PRESENT
MODERN FINANCIAL HUB



In 1980, the Government set up the London Docklands Development Corporation to regenerate the area. The docks remained empty for seven years. In 1986 an American banker, Michael von Clemm thought this was the perfect place to build majestic skyscrapers for thousands of workers. Warehouses and factories were demolished to make way for new flats and office blocks.

Today's Canary Wharf is the UK's leading global financial district, with a series of the tallest modern commercial complexes and residential high-rise buildings. The docks have been transformed into commuter transportation and tourist sightseeing purposes.

TEA & THE THAMES



LAND OF TEA DRINKERS

By the 1820s, Britain had a strong identity as being a "tea-drinking nation". The global tea industry evolved further in the mid-19th century when tea began to be produced in what was British India.



CHINESE PORCELAIN

Alongside tea's rise came an increasing desire for Chinese porcelain. In 1734, the East India Company imported over a million items of Chinese porcelain.

BREWING POPULARITY OF TEA

Over 200,000 pounds of tea were imported during 1700-1704 via large ships called East Indiamen. There was a large increase in tea consumption in Britain. It became a regular grocery item. Tea ceremonies at home became popular.



LOCKED UP THE TEA

Amounts were small and tea was expensive. Many who could afford tea kept it locked away as it was so prized. Tea was served in London's already popular coffee houses and largely consumed by elites.



FIRST FLUSH FROM CHINA

Tea first arrived in Britain in the 1650s via the Dutch East India Company.



Floating Wetlands

Outdoor Tea Market

Leisure

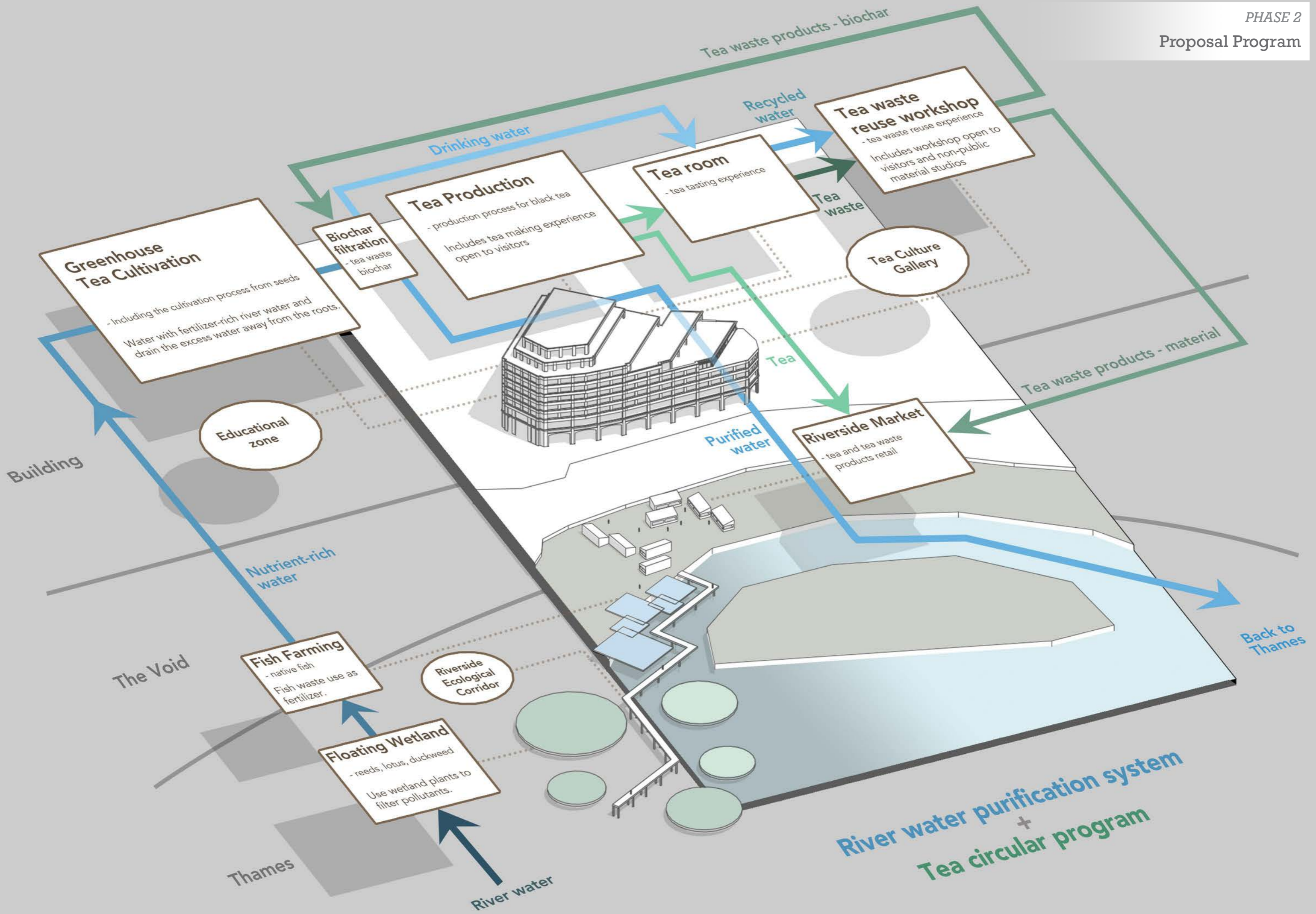
Tea Planting

Tea Room

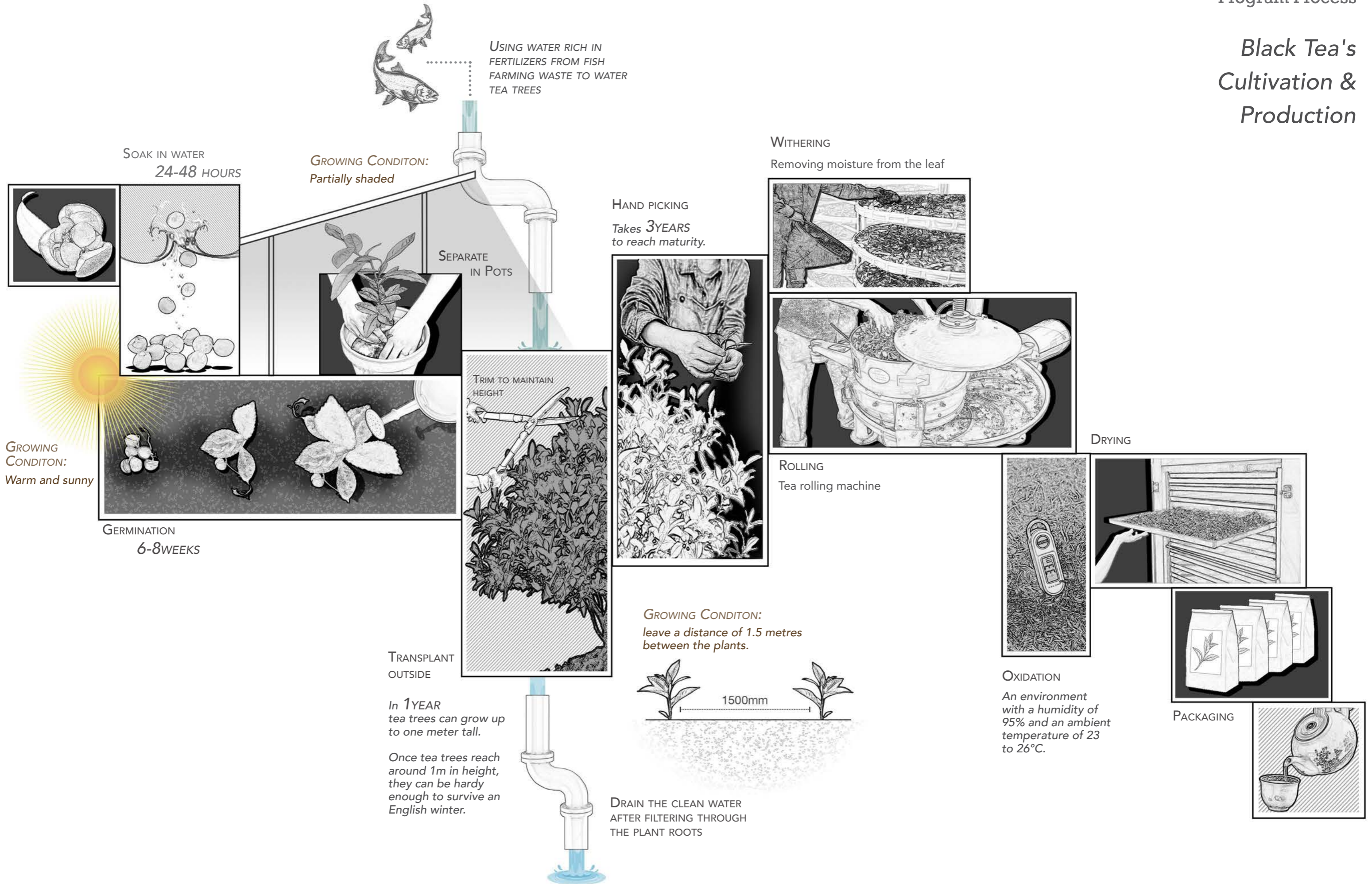
Fish Farming

Tea Waste Reuse workshop

TEA Experience



Black Tea's Cultivation & Production

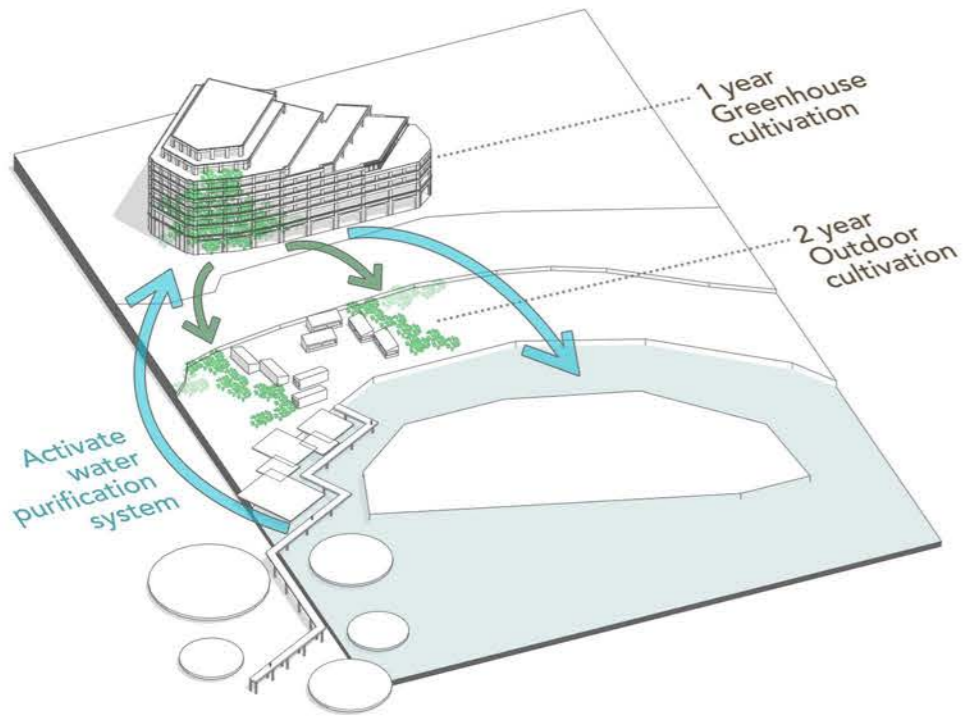


2026 - 2028

PHASE 1

Self-circulation

Based on the growth stage of the tea tree, it will take 1 year to get the first batch of tea trees that can be transplanted outdoors. The first batch of tea leaves will be harvested about 2 years after transplantation. Activate water and tea planting circulation within the building area.

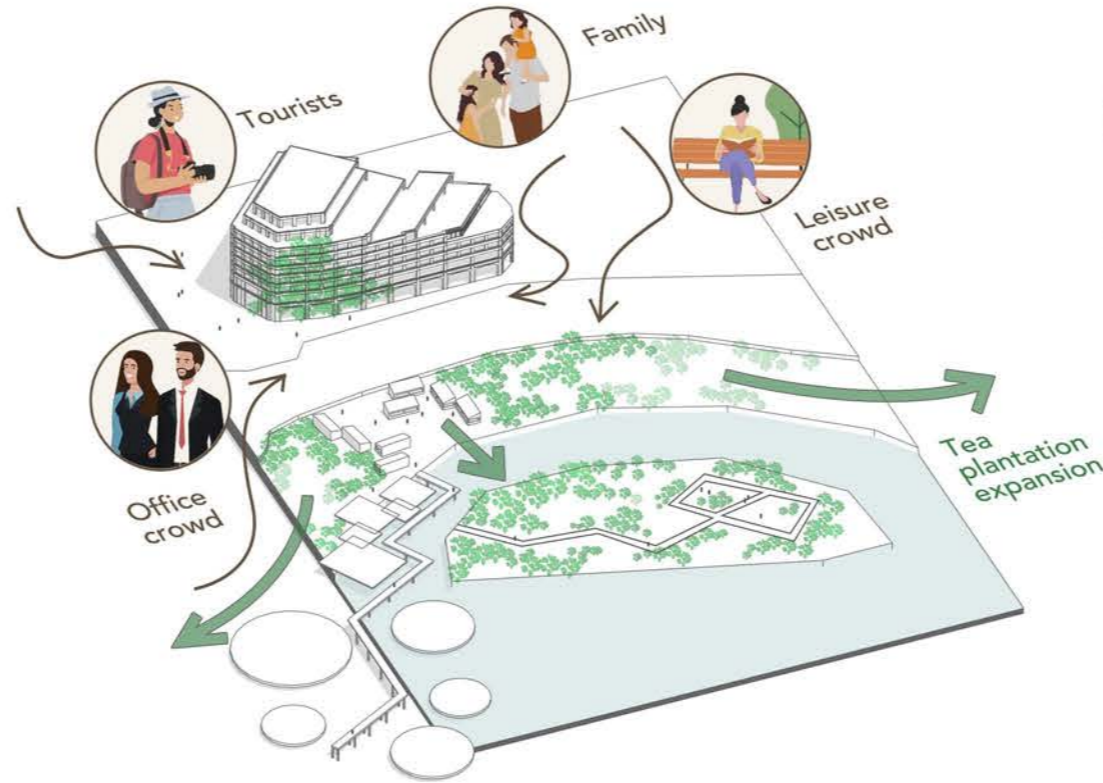


2029 - 2035

PHASE 2

New landmark

As an important transportation hub, Canary Wharf has multiple transportation stations. When the program matures and operates, the building will become a new ecological landmark in this area, gathering people together.

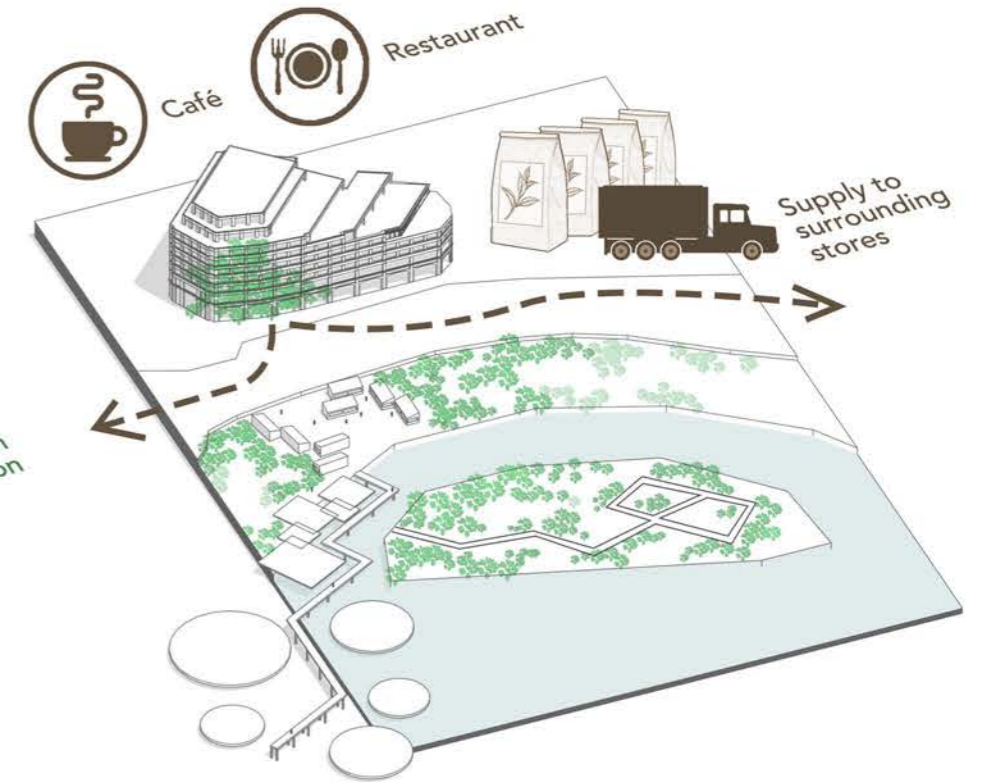


2036 - 20XX

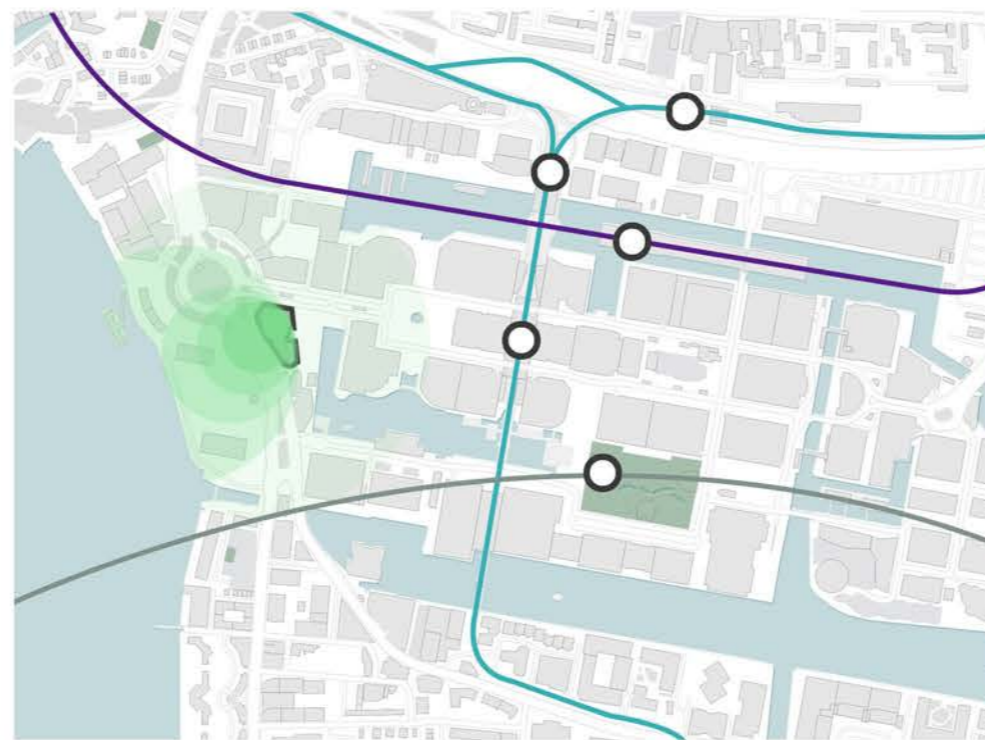
PHASE 3

Benefit the surroundings

After production exceeds the supply needed for this space, tea and tea waste reuse products are provided to the surrounding community. At the same time, the expansion of the tea plantation also contributes to the surrounding greening.



Water purification system
The flow of the Thames
Influence of tea plantation

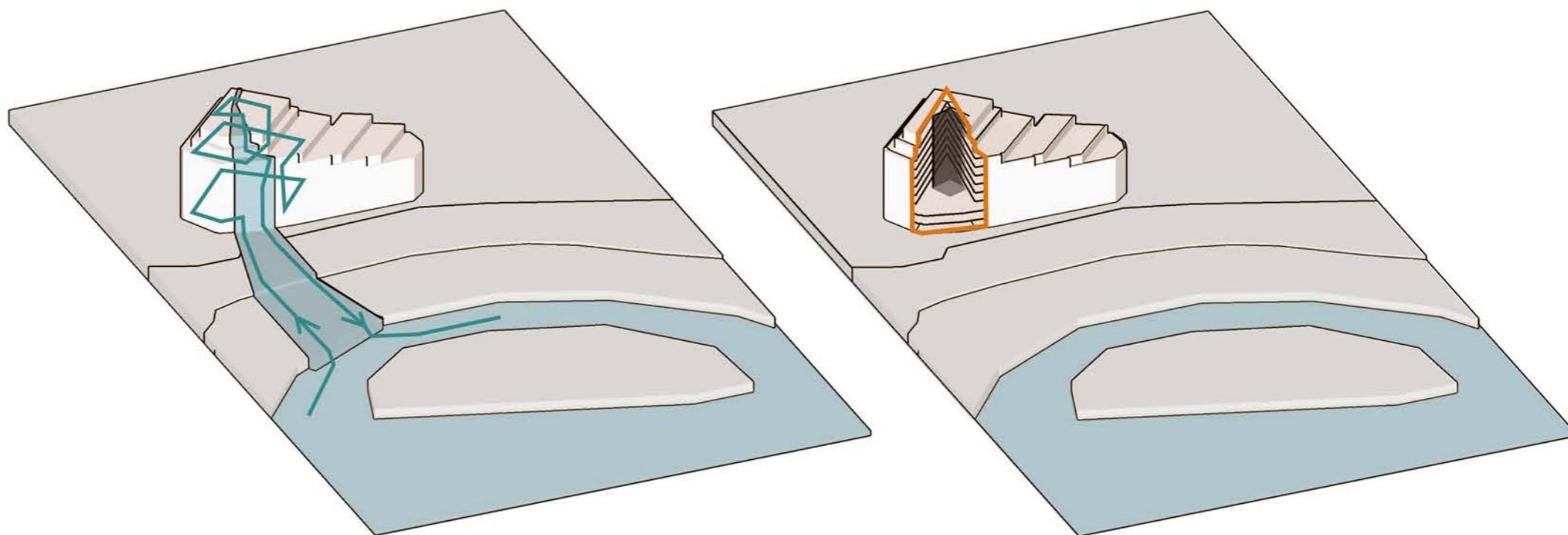


DLR
Elizabeth line
Jubilee line
Influence of tea plantation
Greenland
Station

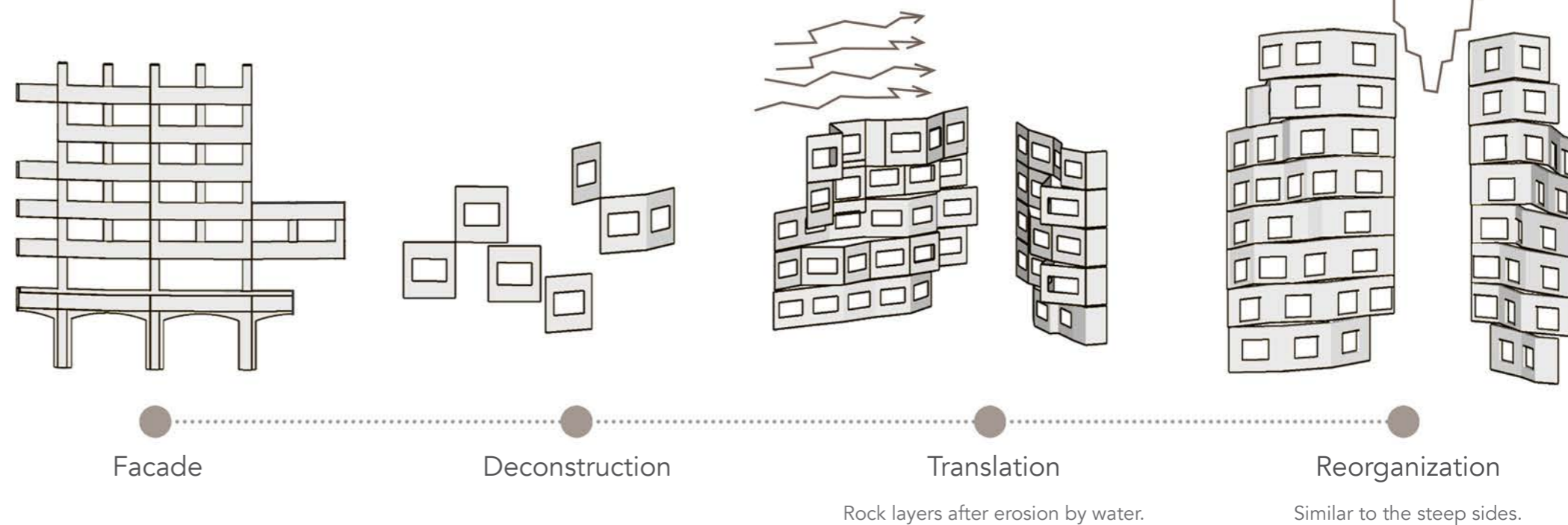


Café
Restaurant
Influence of tea plantation

TRANSLATE
CANYON TERRAIN



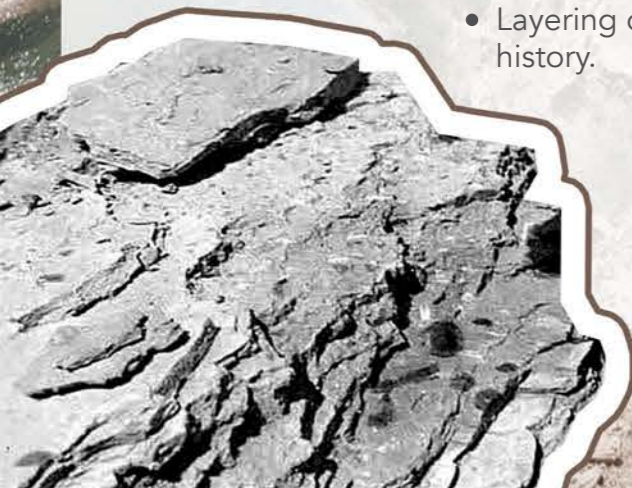
MIMIC NATURAL
EROSION TEXTURES



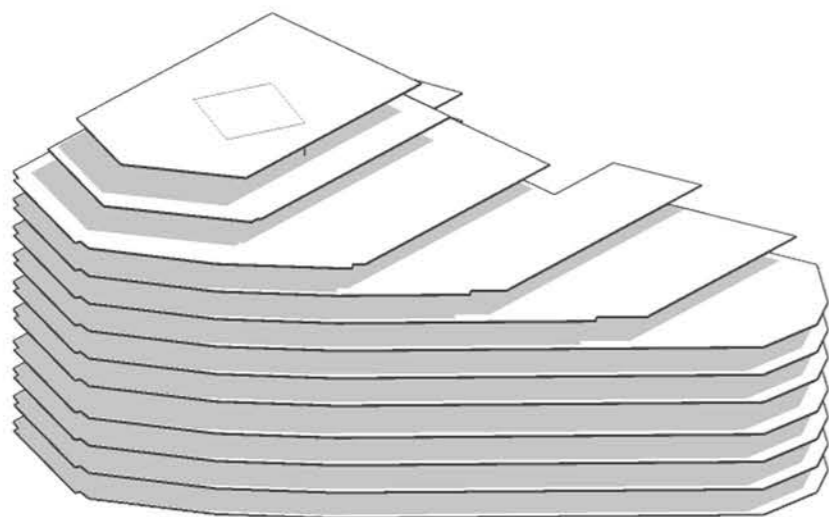
Inspiration:
Canyon

A deep, narrow valley with steep sides, often carved by a river over millions of years.

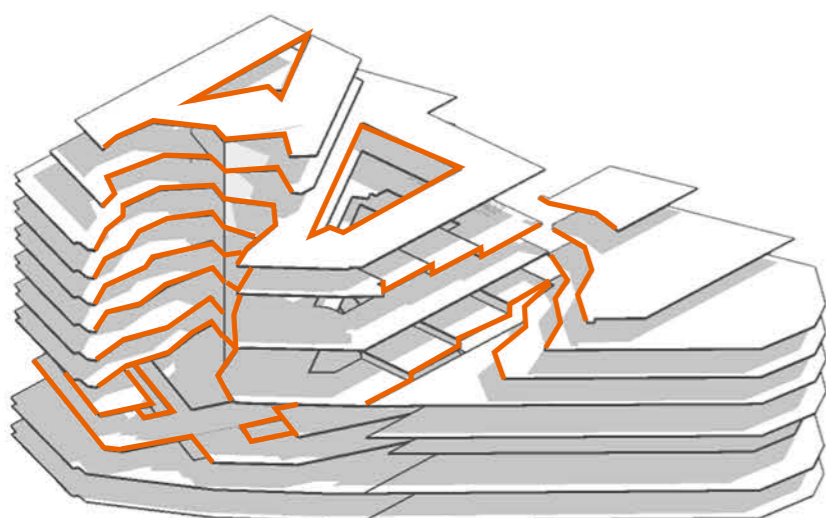
- Rivers are the primary force in canyon formation.
- Layering of rocks reveals history.



EXISTING FLOOR

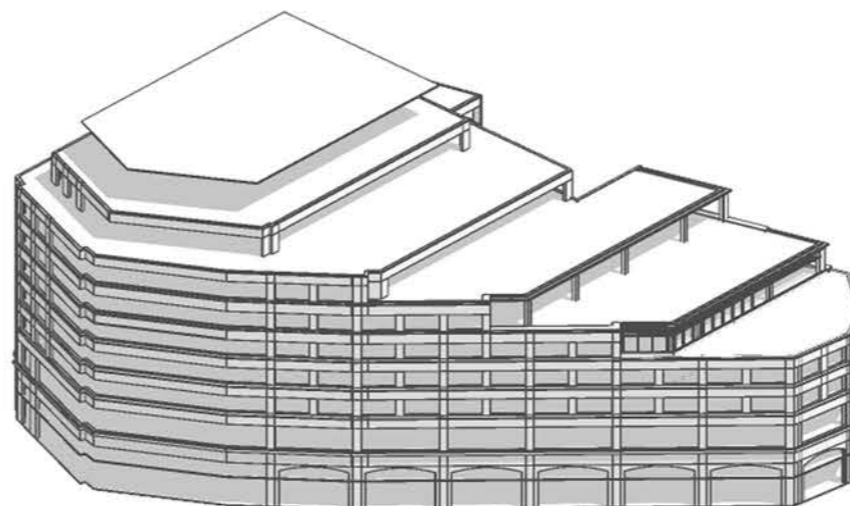


PROPOSAL FLOOR

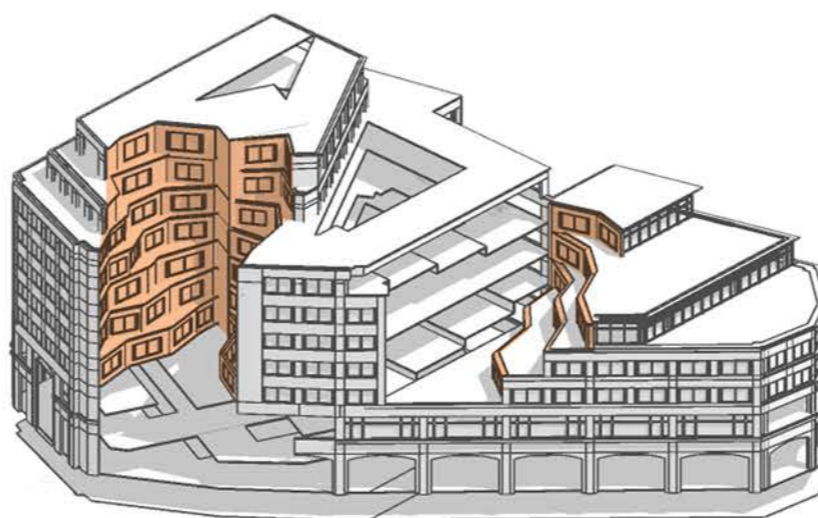


Two canyon-like cuts and two vertical cuts help bring natural light into the interior. Half of the floor plates on levels 3 & 4, and 6 & 7 are cut off and reconnected to create two vertically oriented interior spaces.

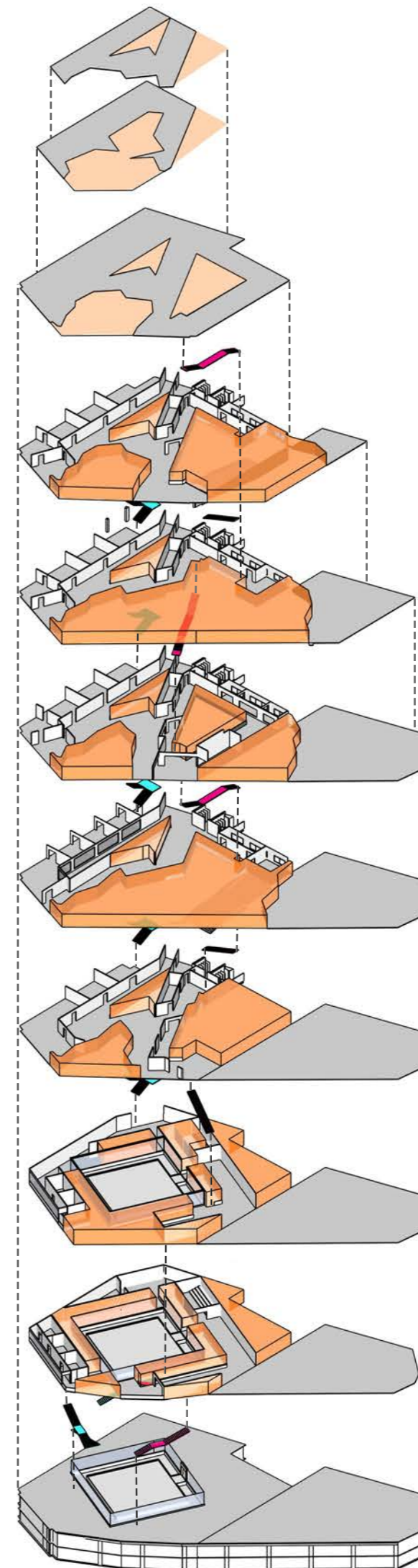
EXISTING FACADE



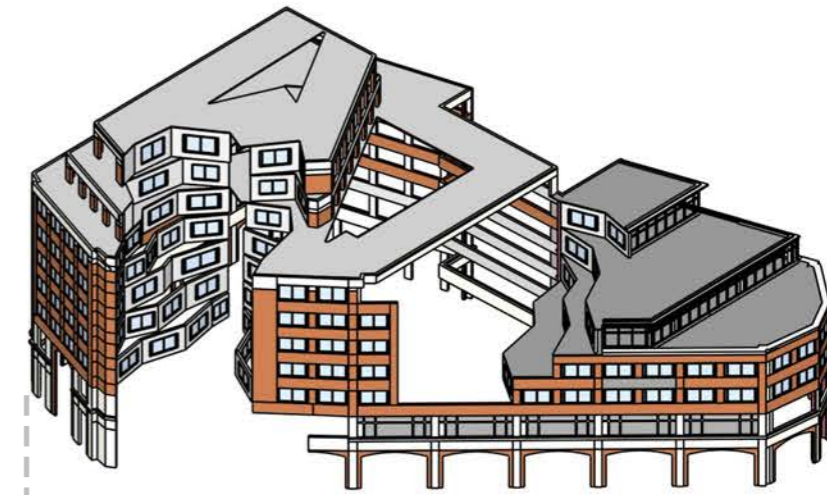
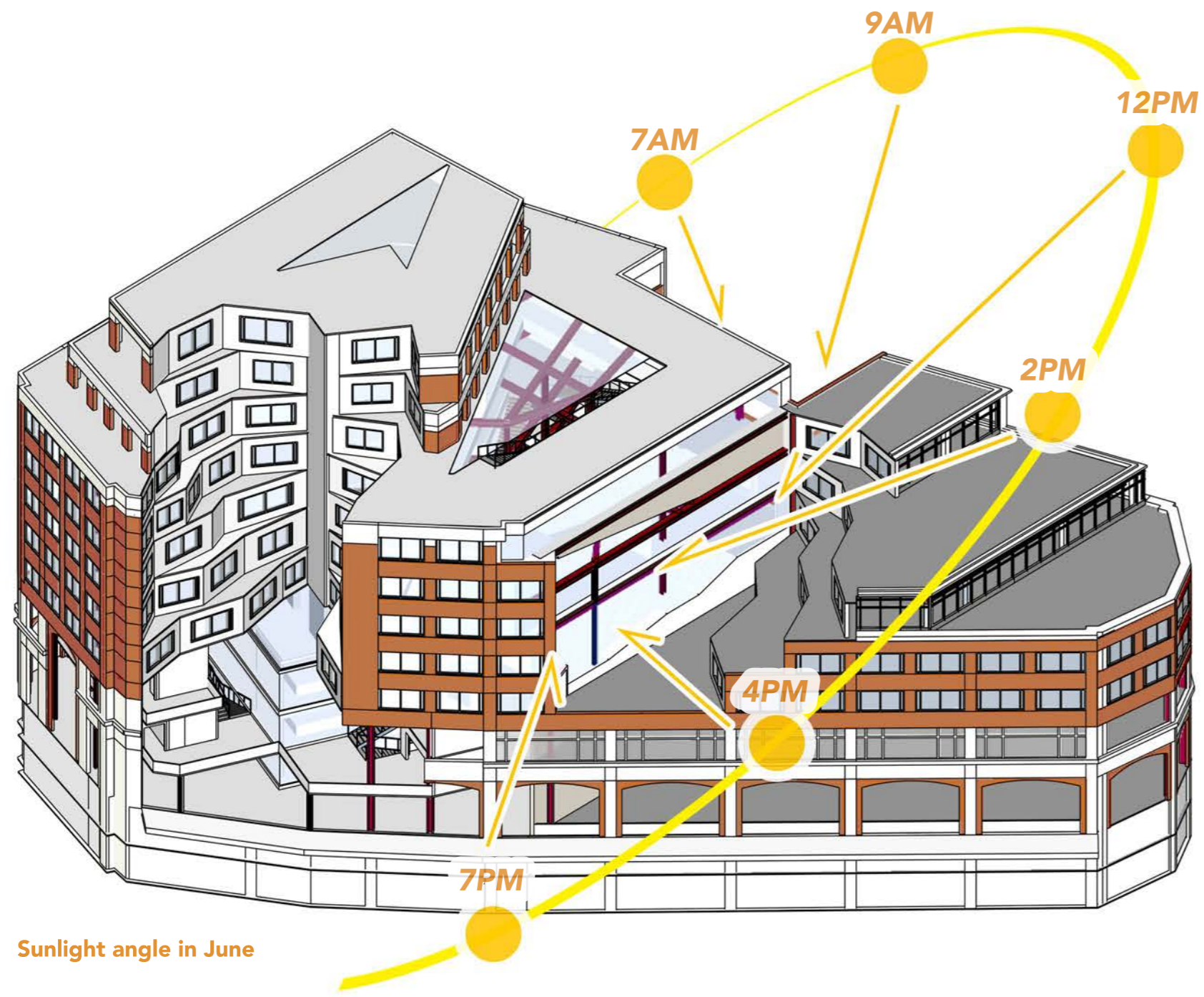
PROPOSAL FACADE



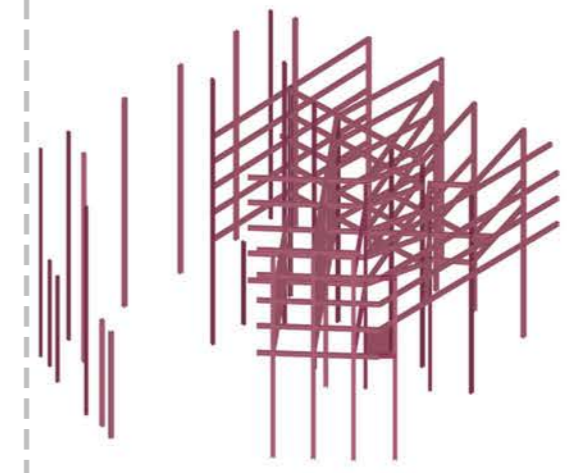
The new facade takes the form of rearranging the existing facade modules and continuing the material language of the existing facade.



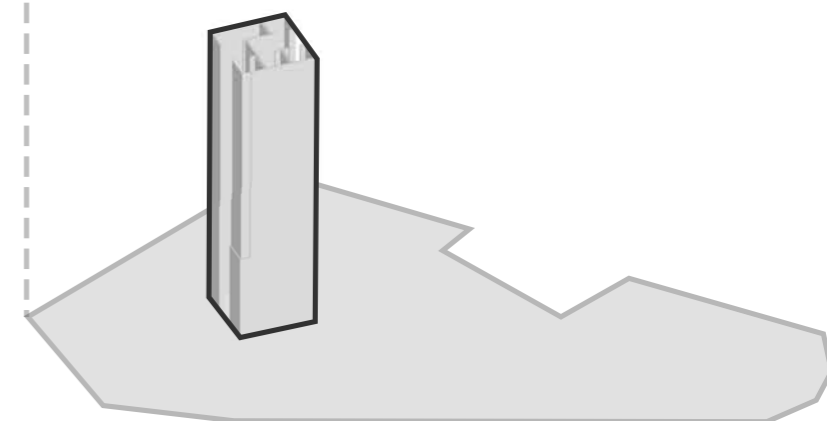
Remove parts

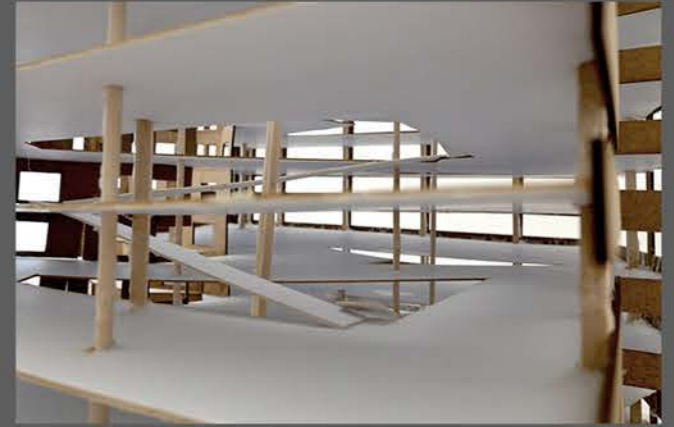
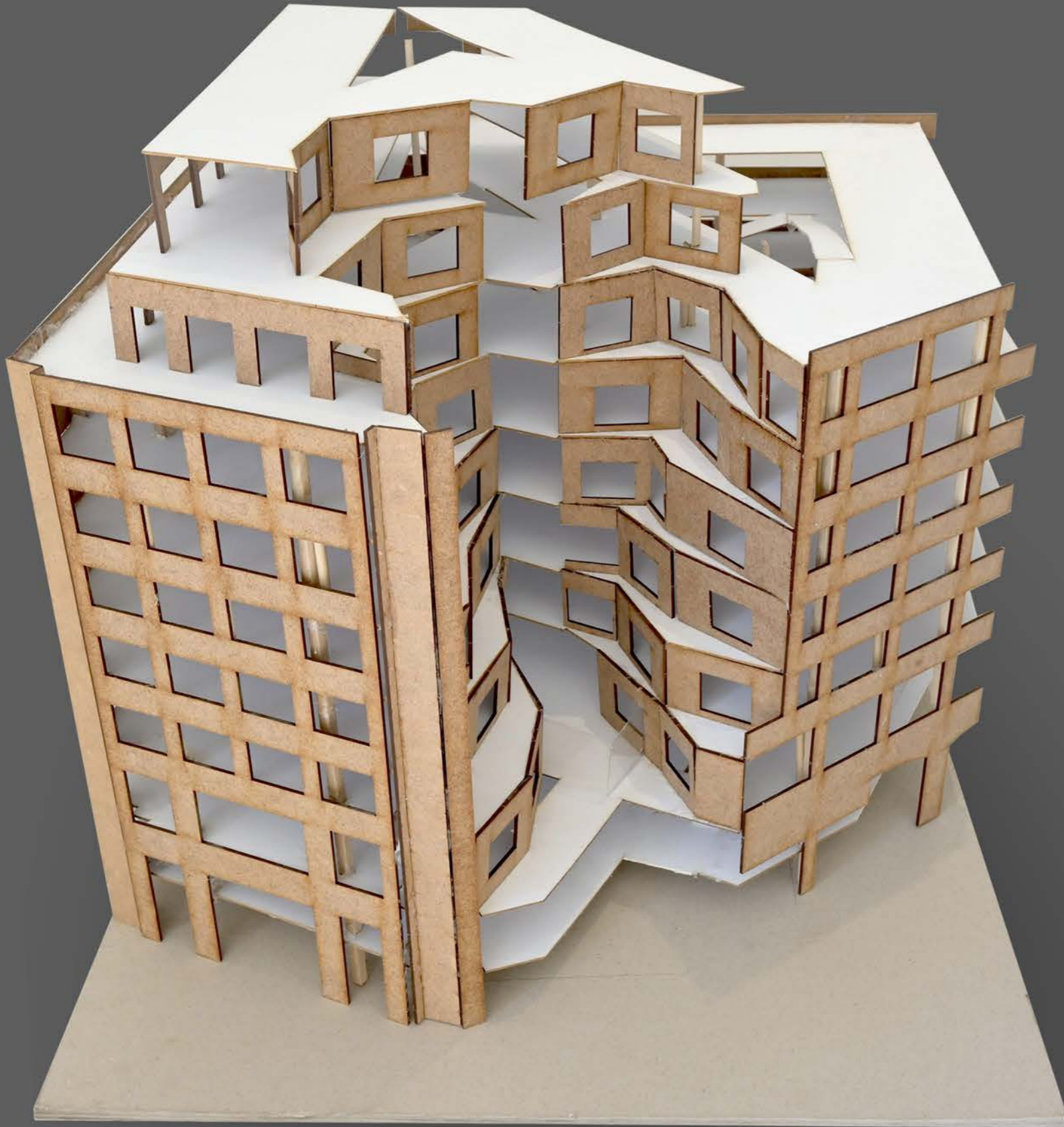


Existing steel frame



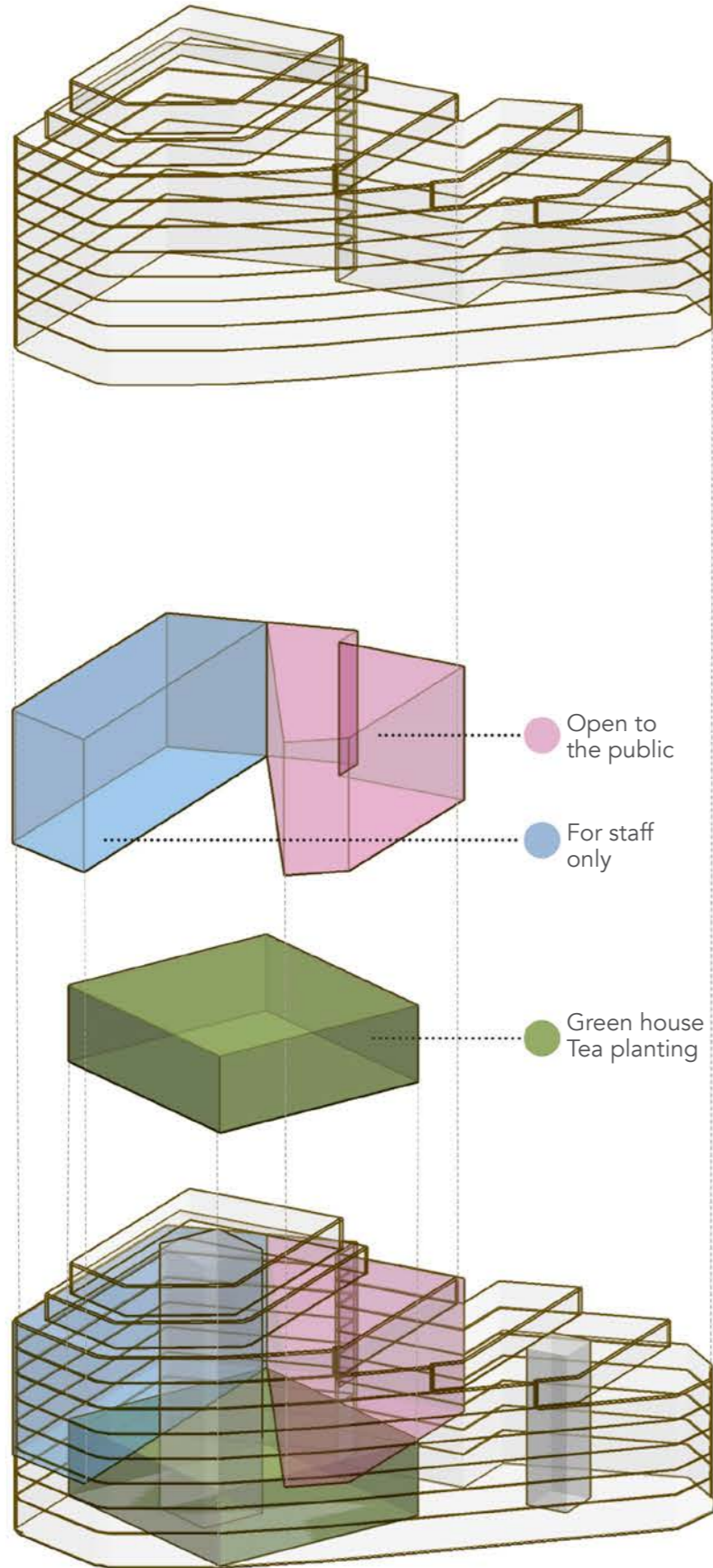
Existing lift





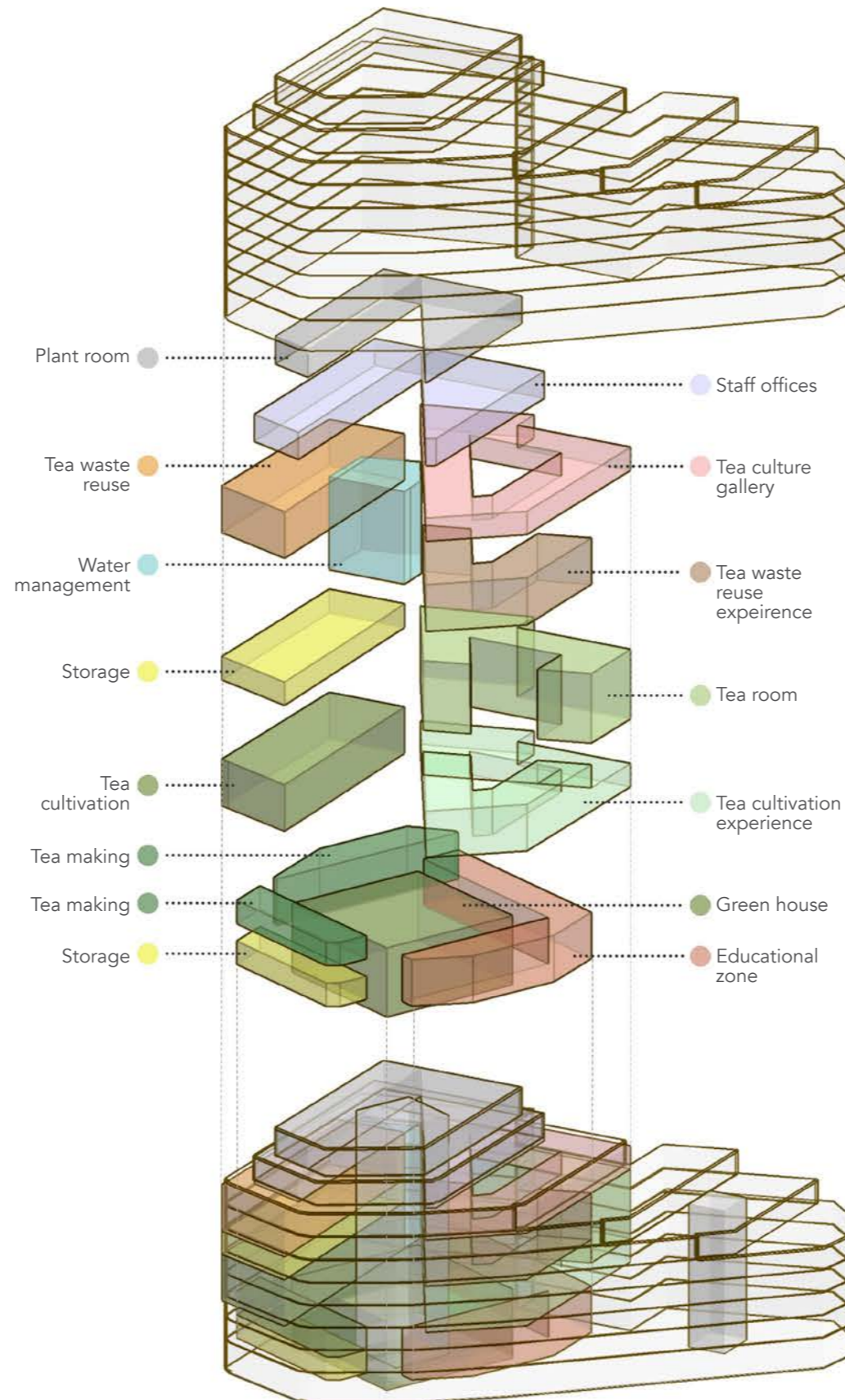
USER GROUPS

Divide the functional areas according to the user groups. The greenhouse planting area can be visited while being managed by the staff.



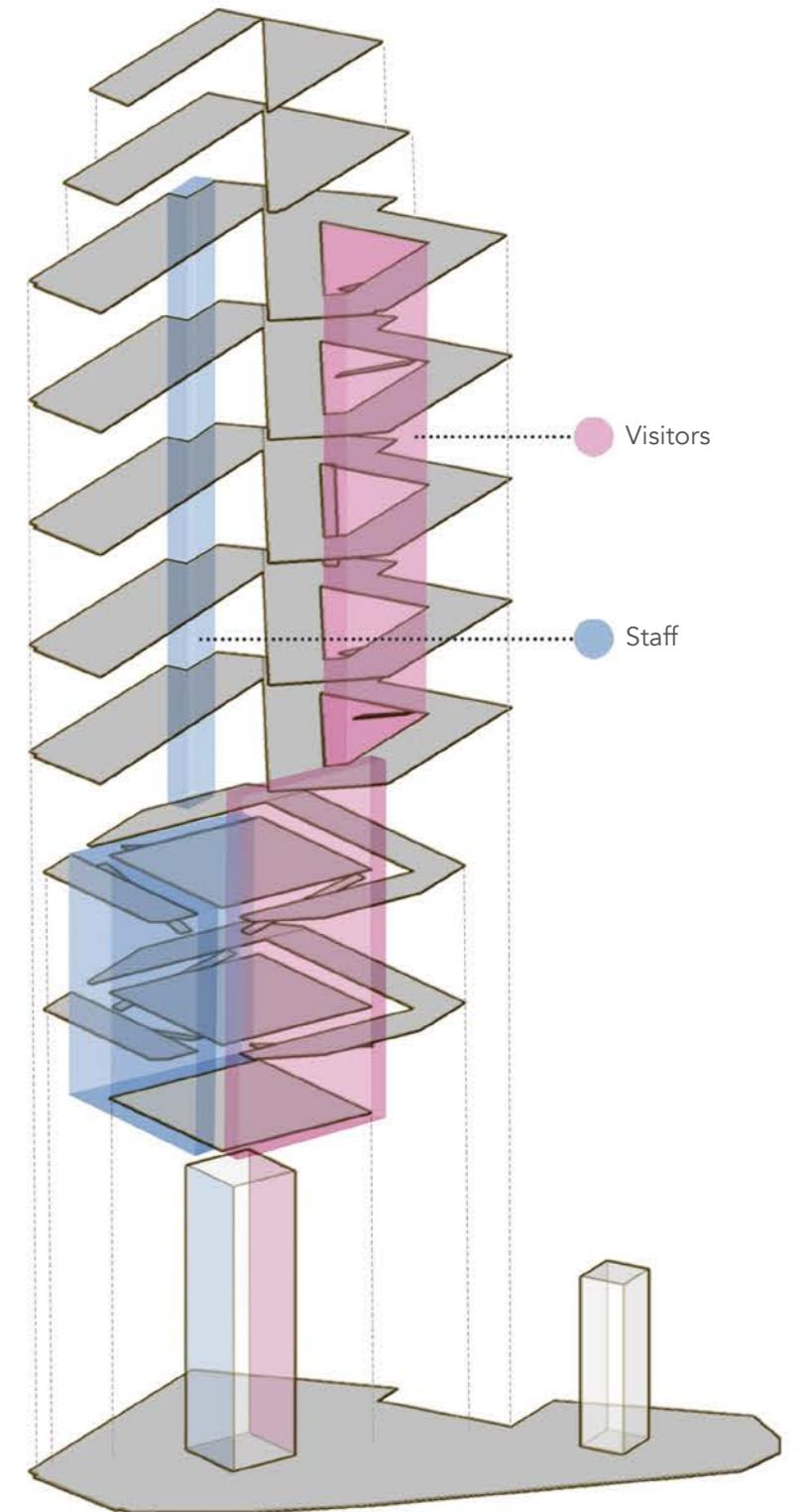
FUNCTIONAL AREA REFINEMENT

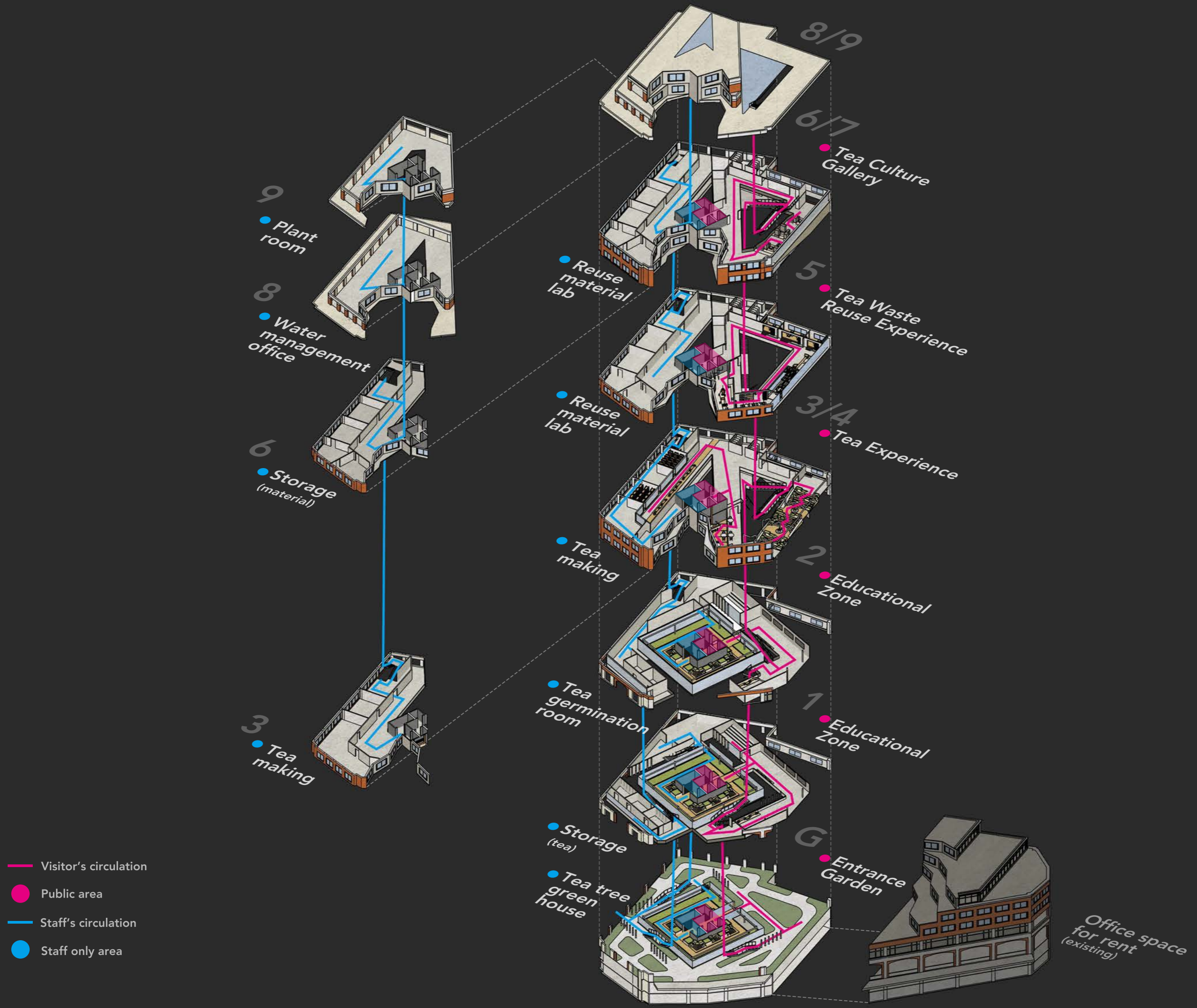
The area and layout of the functional areas are based on the process of growing tea and making tea.

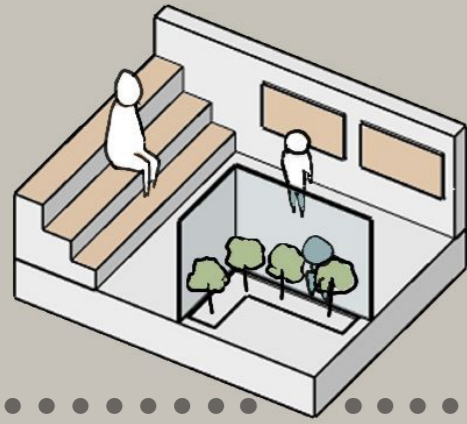


MAIN CIRCULATION

Distinguish circulation between user groups.



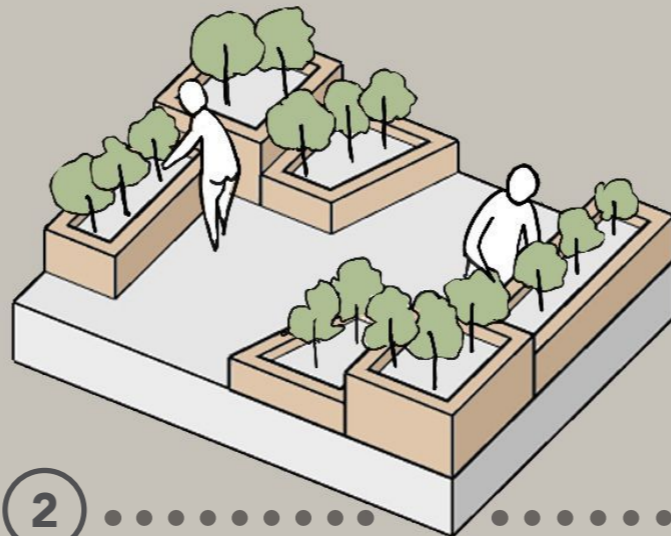




1

LEARN ABOUT TEA

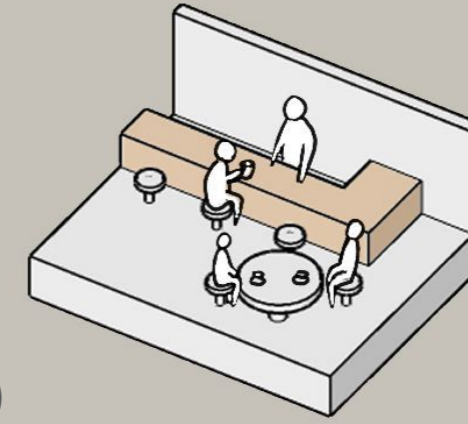
Learn about tea through exhibition boards, lectures and observation of tea planting.



2

PLANTING EXPERIENCE

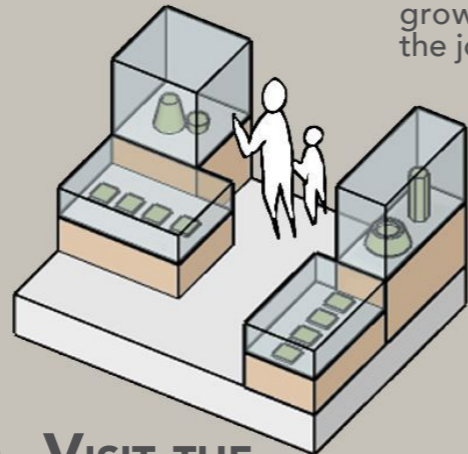
Personally experience the care of growing tea trees and appreciate the joy of planting.



3

TEA TASTING AND LEISURE

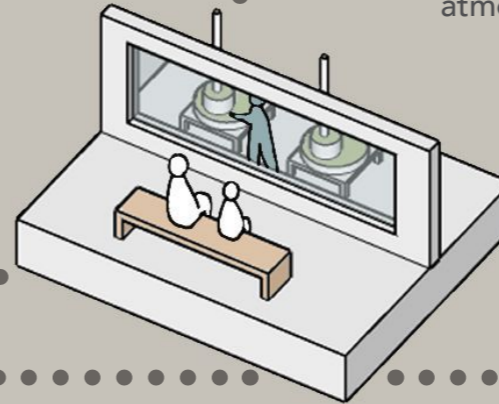
After experiencing the planting, taste the tea and enjoy the relaxing atmosphere of the leisure tea bar.



7

VISIT THE TEA CULTURE GALLERY

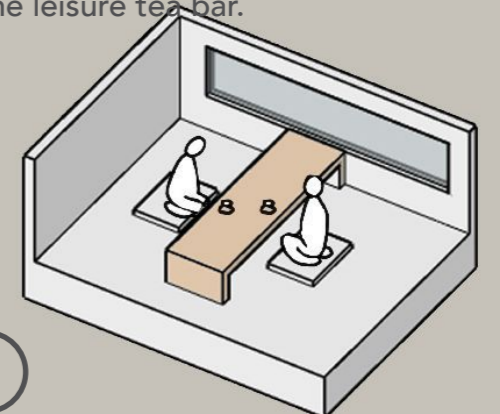
A tea exhibition showcasing a variety of tea-related items.



4

WITNESS TEA PRODUCTION

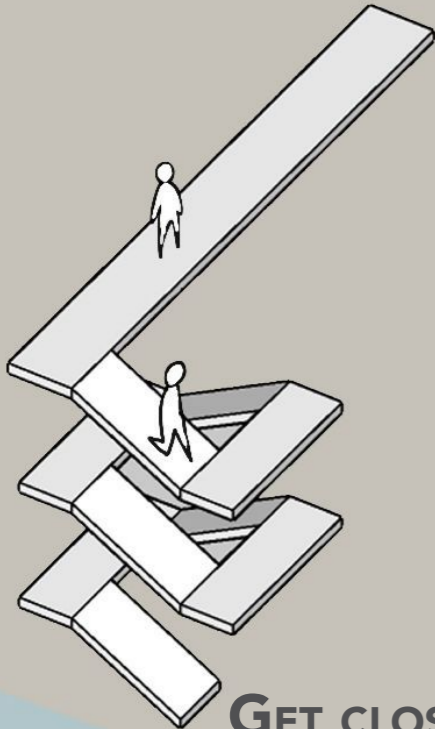
Visit the artistry of black tea production and discover the journey from leaf to delightful cup.



5

EXPERIENCE TEA CEREMONY

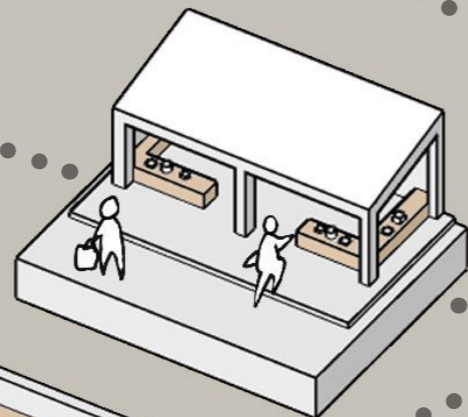
Discover the charm of the tea ceremony in a traditional tea room.



8

GET CLOSE TO NATURE

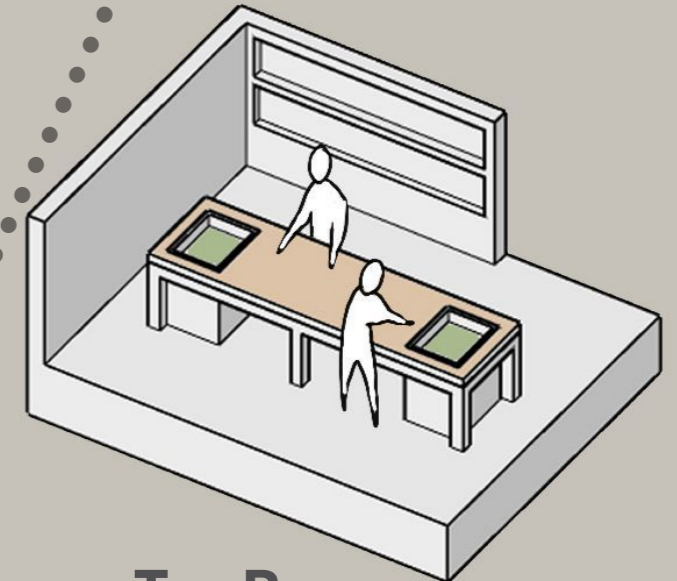
The bridge offers stunning views and leads straight to the Thames.



9

CHECK OUT RIVERSIDE MARKET

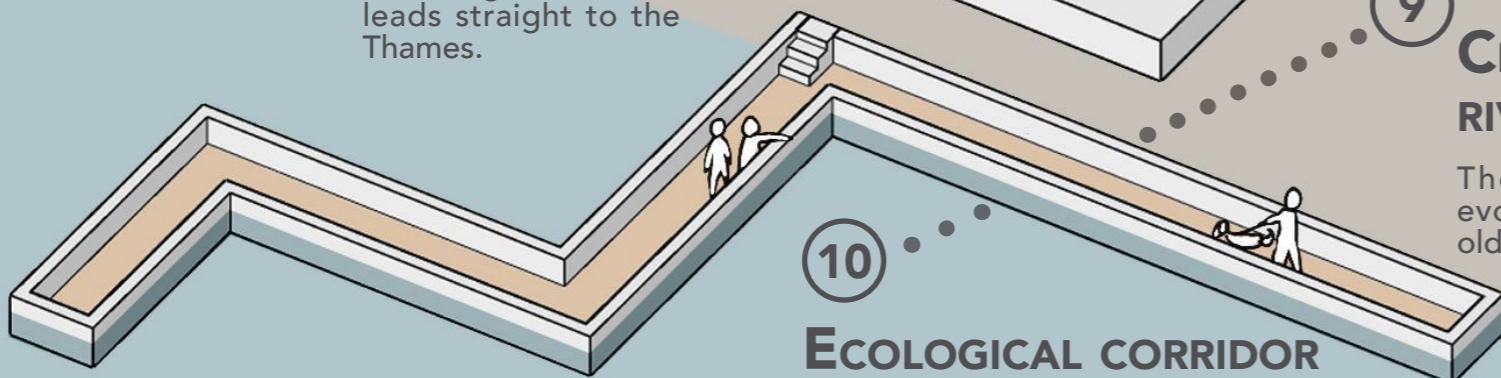
The riverside open-air market evokes the vibrant energy of the old dock trade.



6

JOIN THE TEA REUSE WORKSHOP'S ACTIVITIES.

Give tea waste a second life, learn to create eco-friendly crafts.



10

ECOLOGICAL CORRIDOR

Take a walk 'in' the Thames

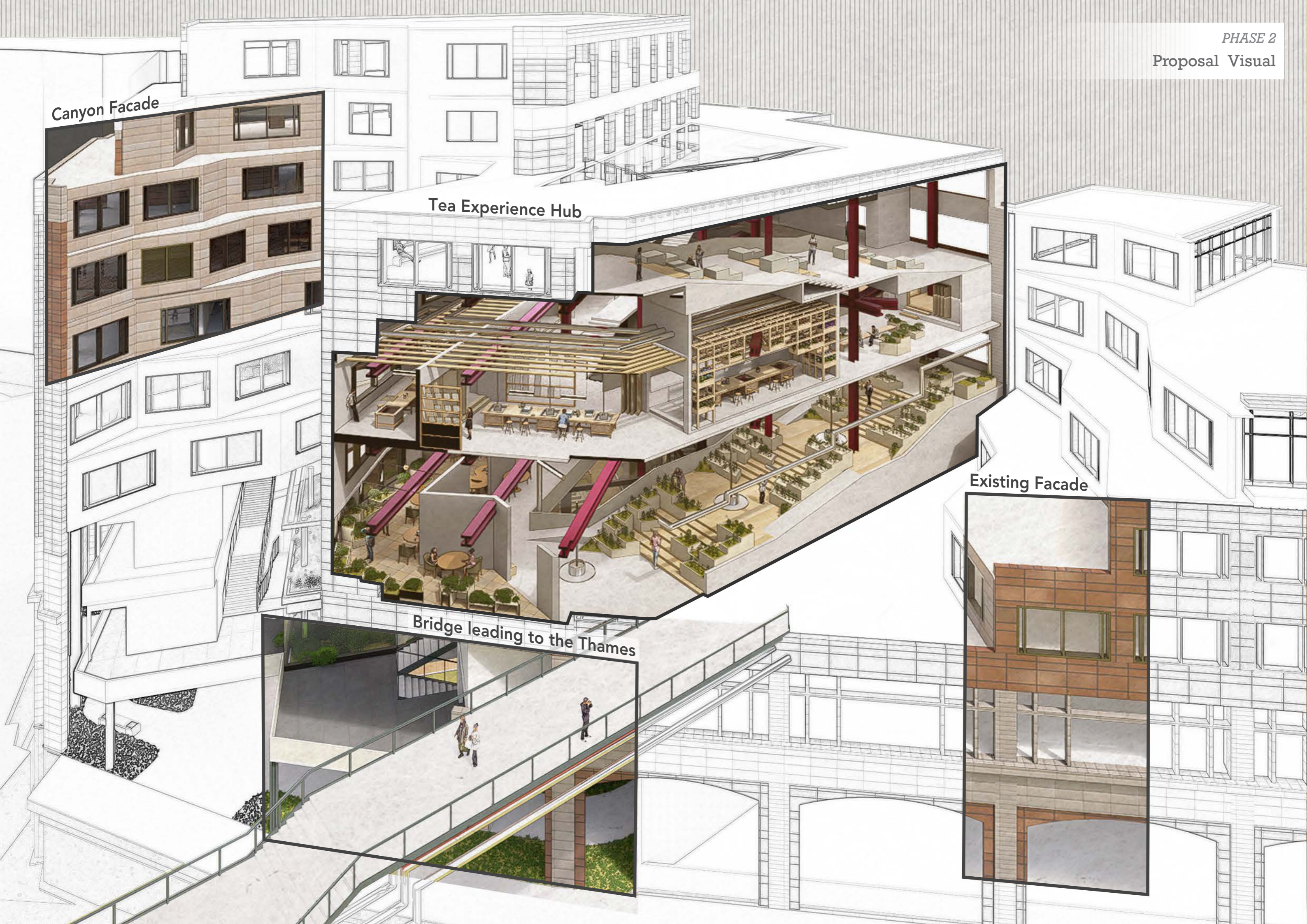


Canyon Facade

Tea Experience Hub

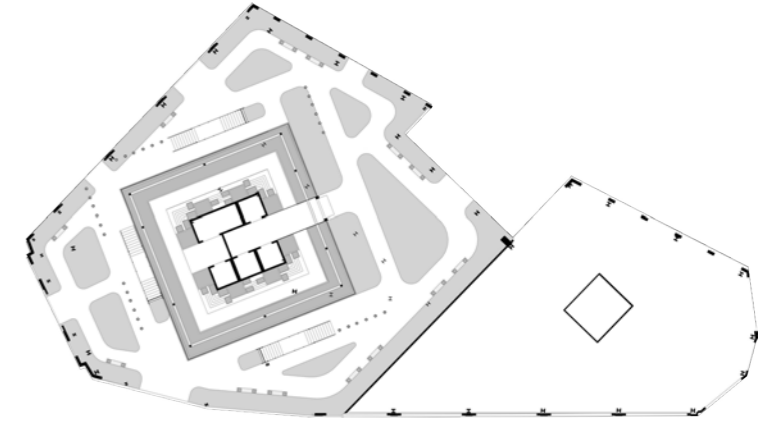
Existing Facade

Bridge leading to the Thames

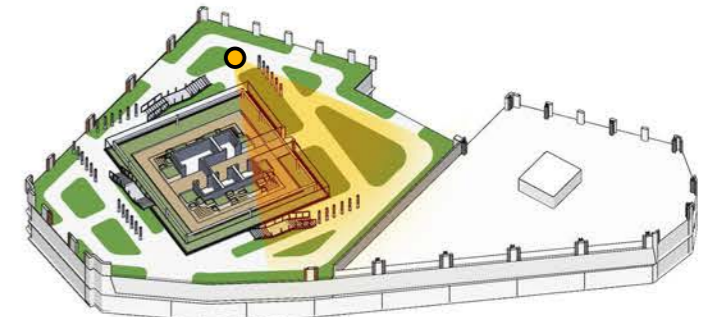
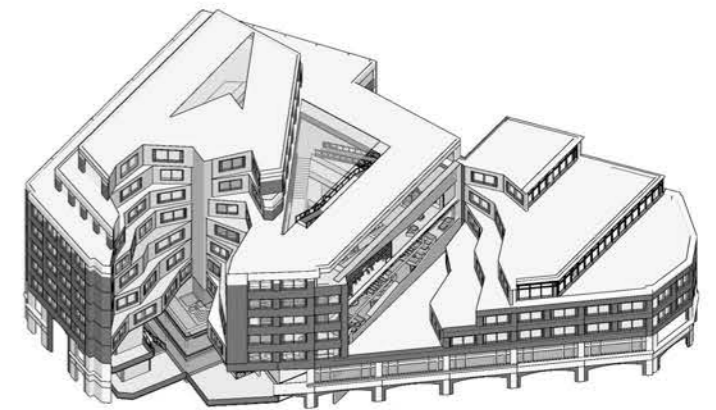


ENTRANCE GARDEN

Entrance Garden

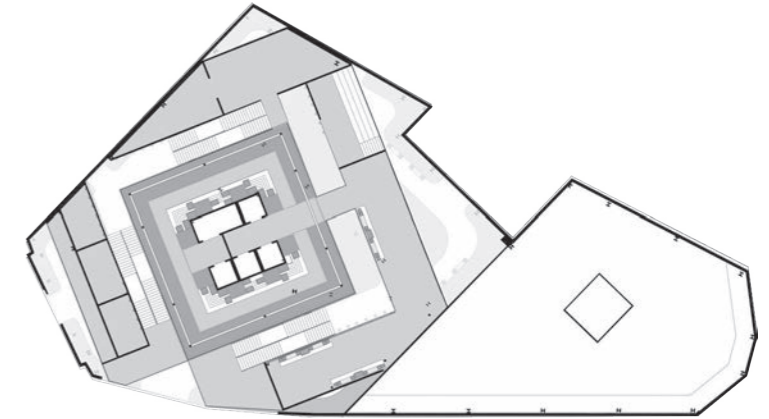


Ground Floor Plan

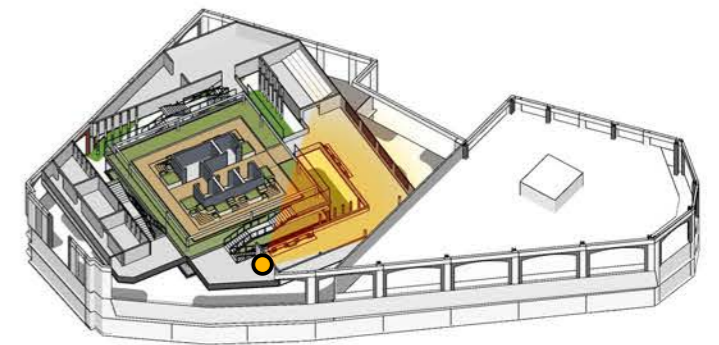
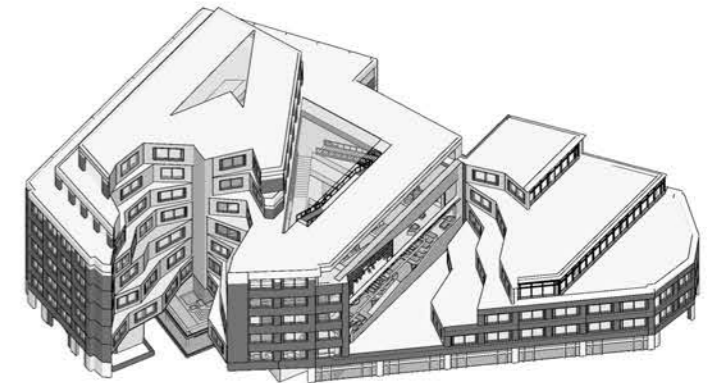


View Position

EDUCATIONAL CORRIDOR

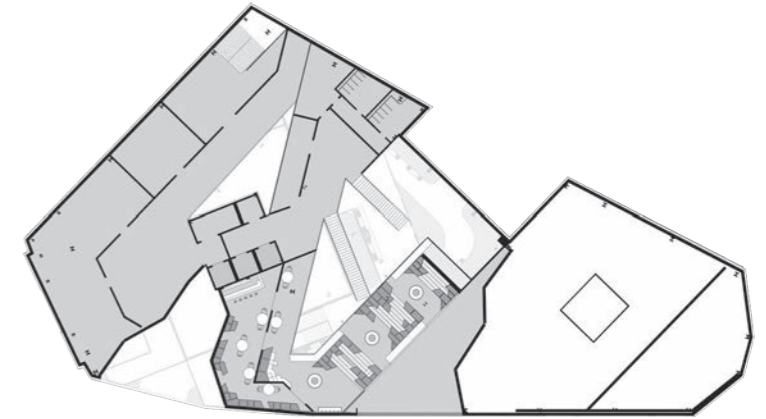


First Floor Plan

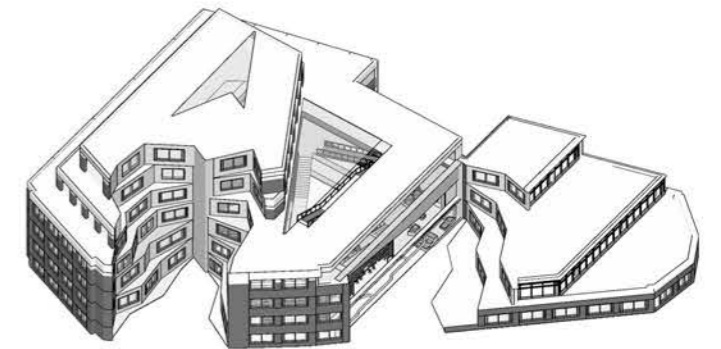


View Position

TEA CULTIVATION EXPERIENCE

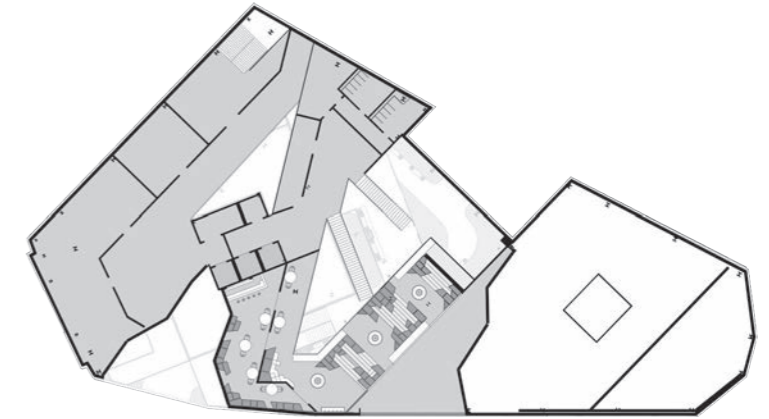


Third Floor Plan

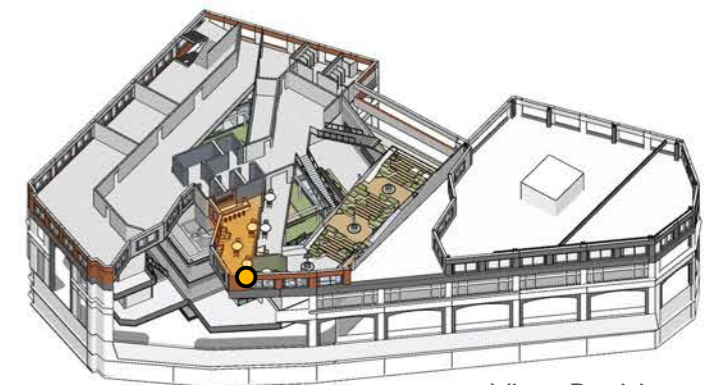
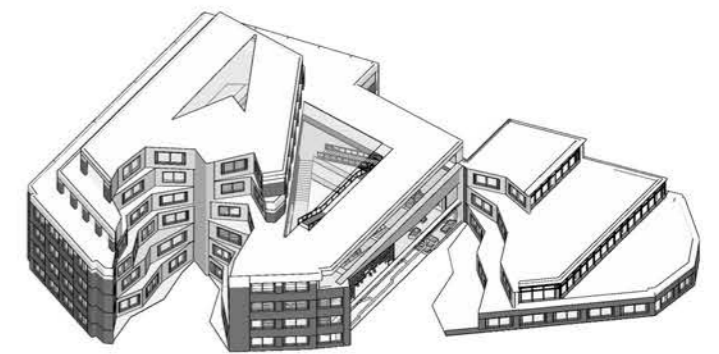


View Position

LEISURE TEA BAR



Third Floor Plan

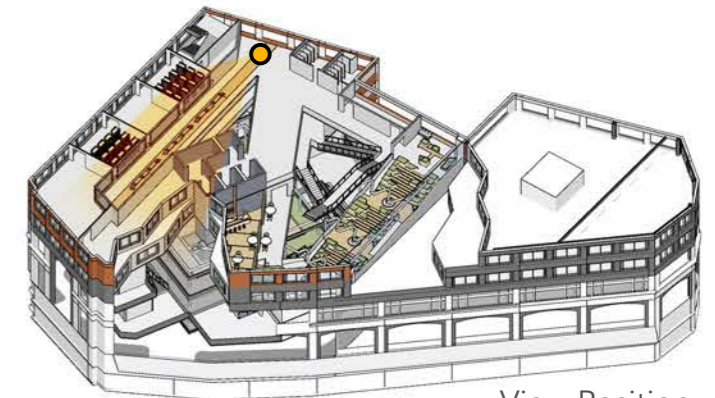
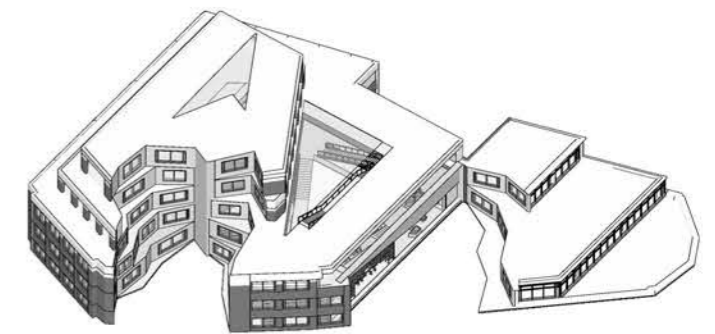


View Position

TEA MAKING PROCESS VISITING

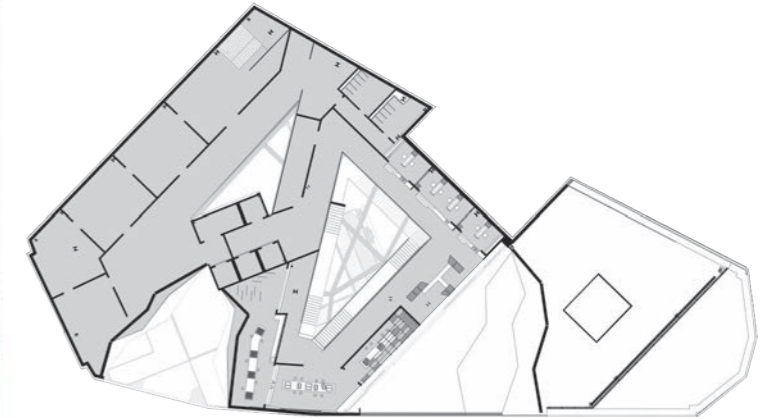


Fourth Floor Plan

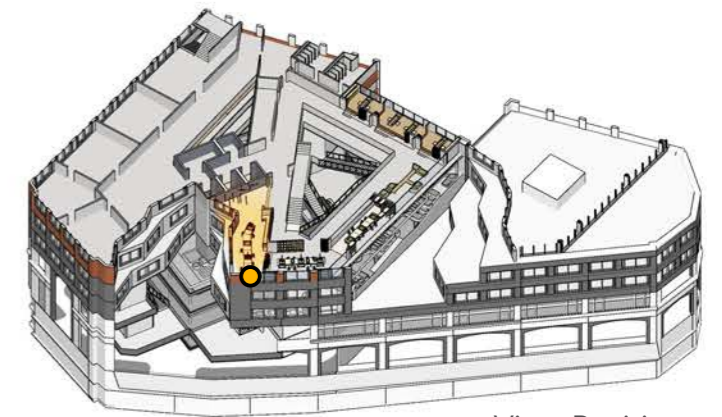
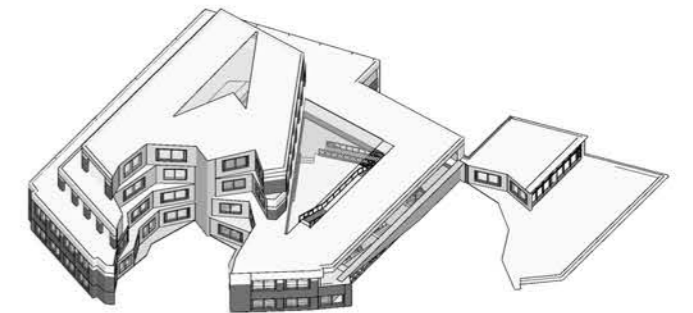


View Position

TEA WASTE REUSE WORKSHOP - TEA DYEING STUDIO

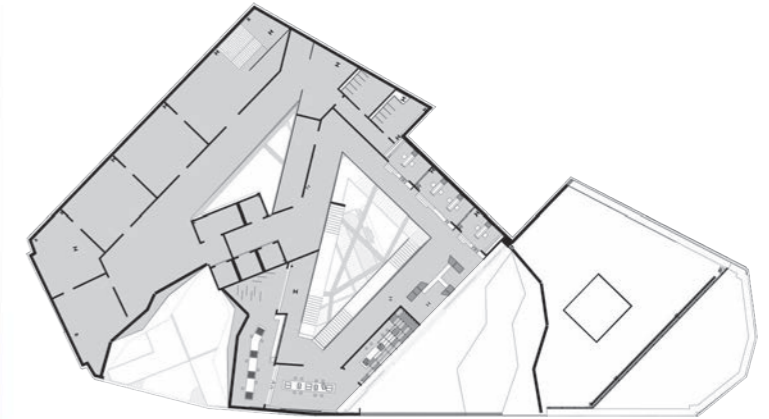


Fifth Floor Plan

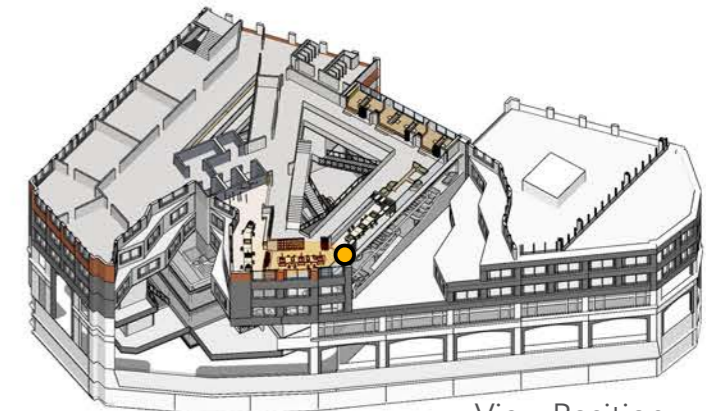
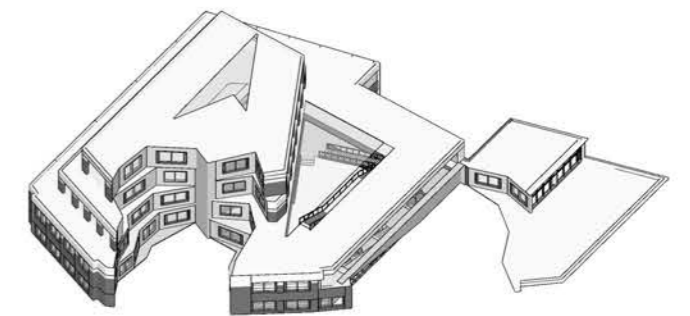


View Position

TEA WASTE REUSE WORKSHOP - TEA PAPER MAKING STUDIO

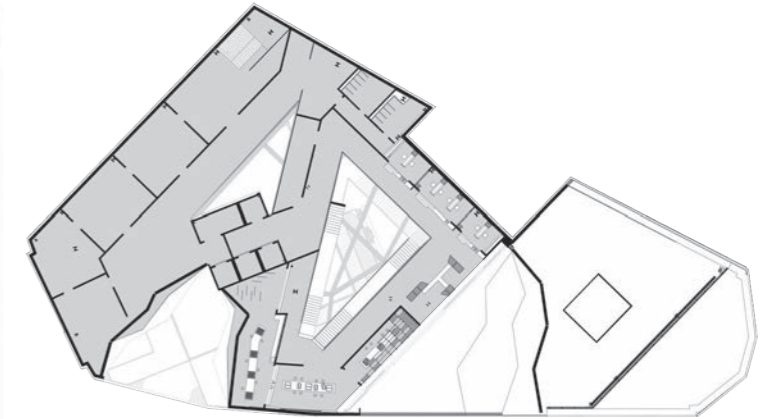


Fifth Floor Plan

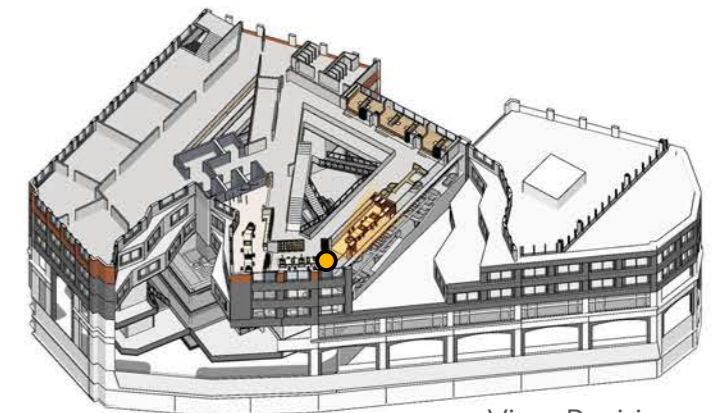
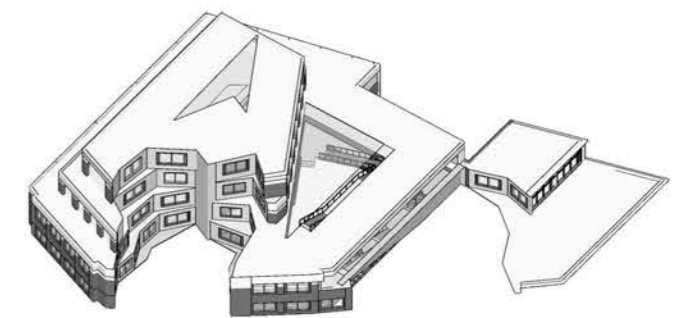


View Position

TEA WASTE REUSE WORKSHOP - TEA COMPOSTING STUDIO

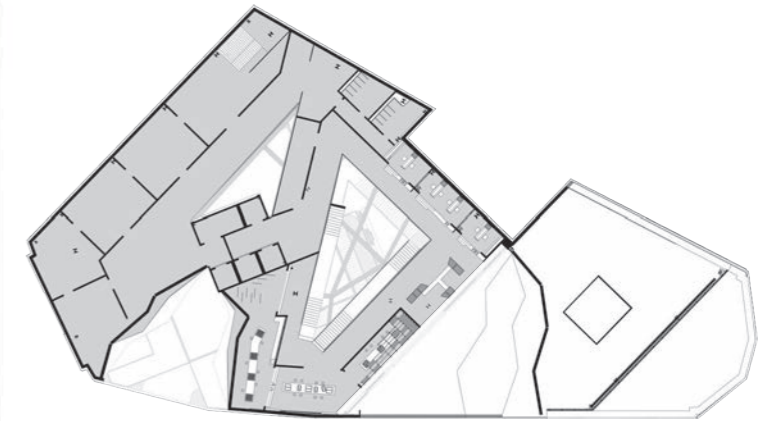


Fifth Floor Plan

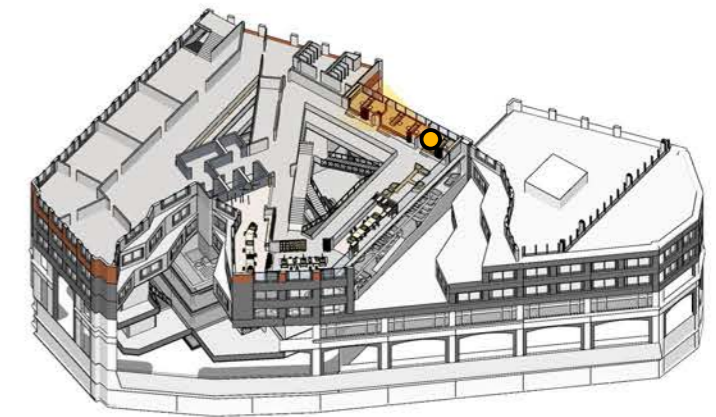
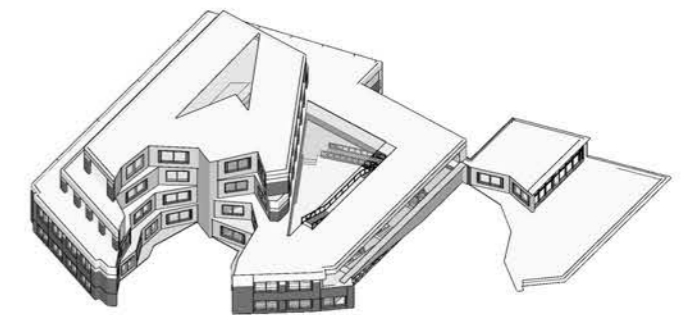


View Position

TRADITIONAL TEA ROOM



Fifth Floor Plan

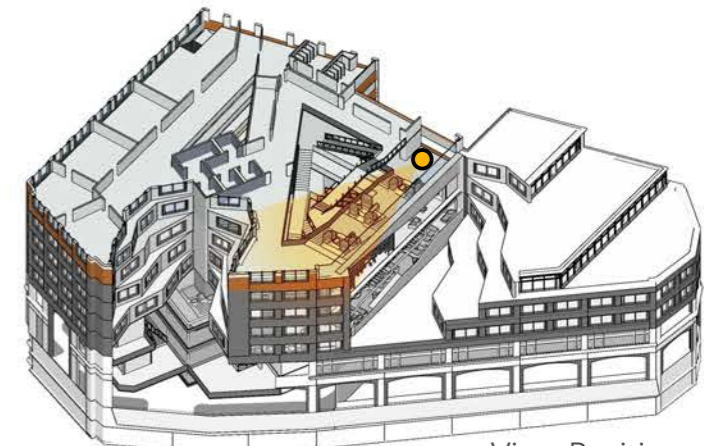
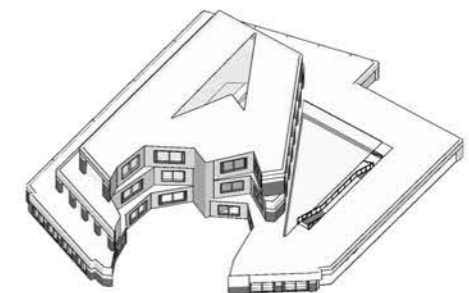


View Position

TEA CULTURE GALLERY

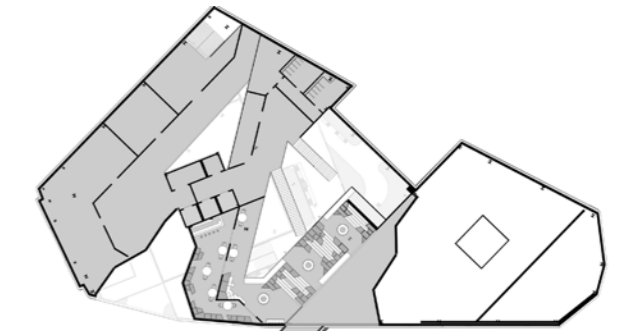


Seventh Floor Plan

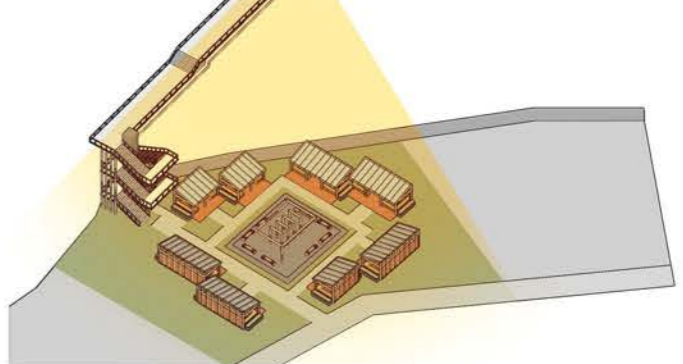
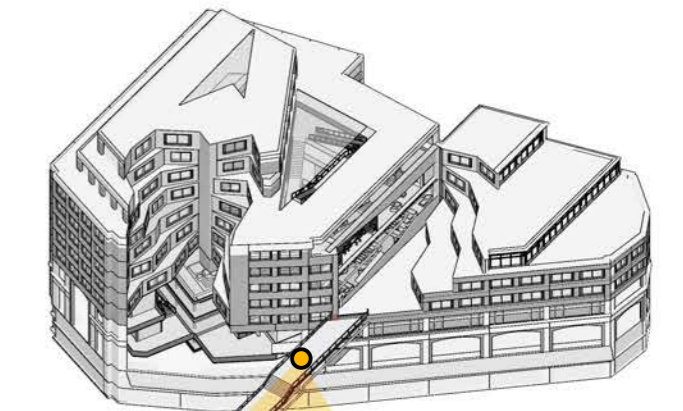
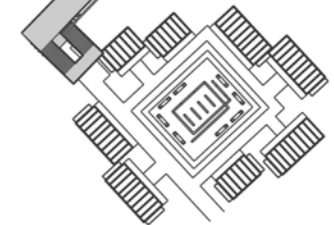


View Position

RIVER SIDE - RIVERSIDE MARKET & ECOLOGICAL CORRIDOR



Third Floor Plan



View Position



Overall Plan





2024 - 2025