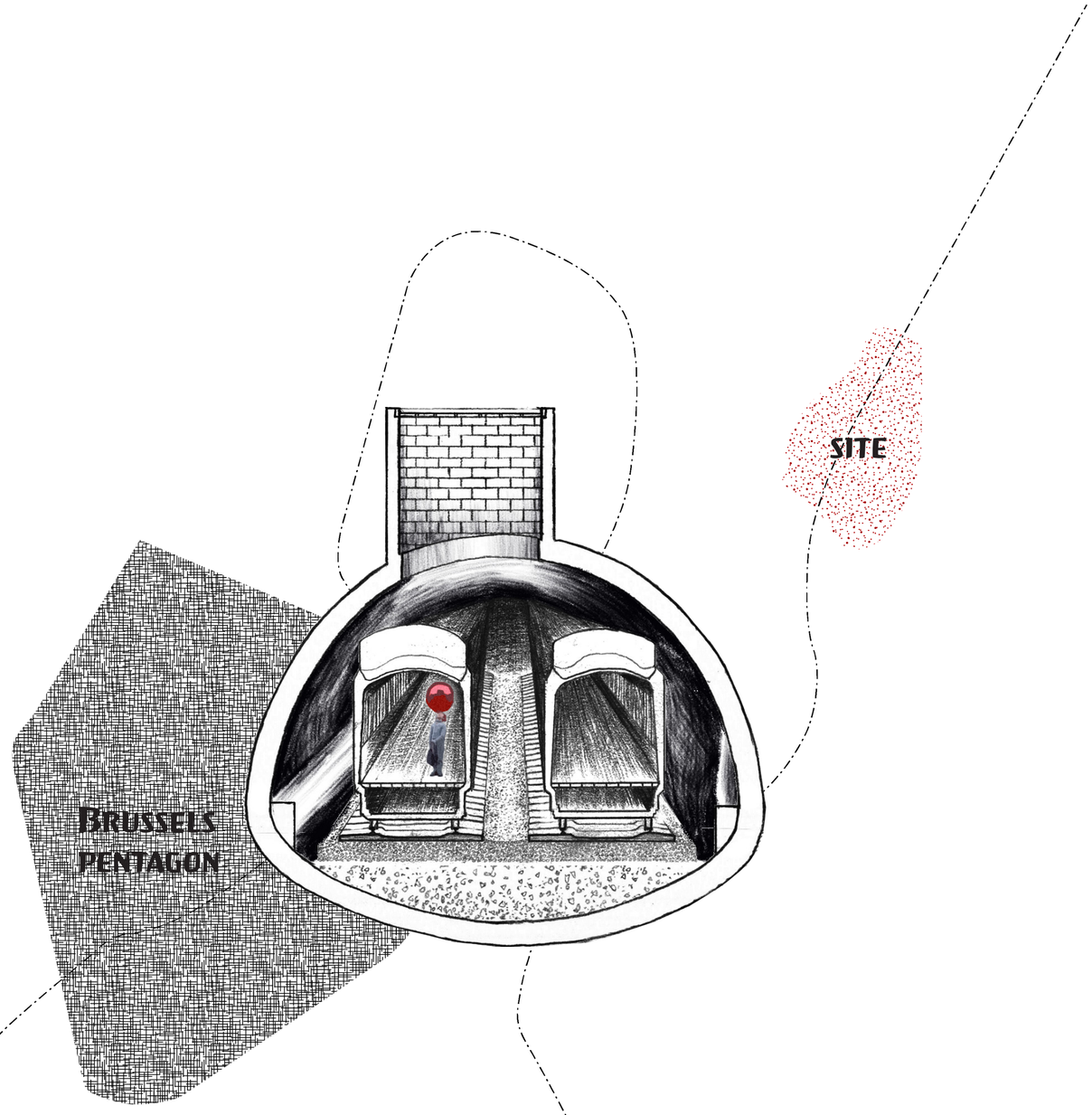
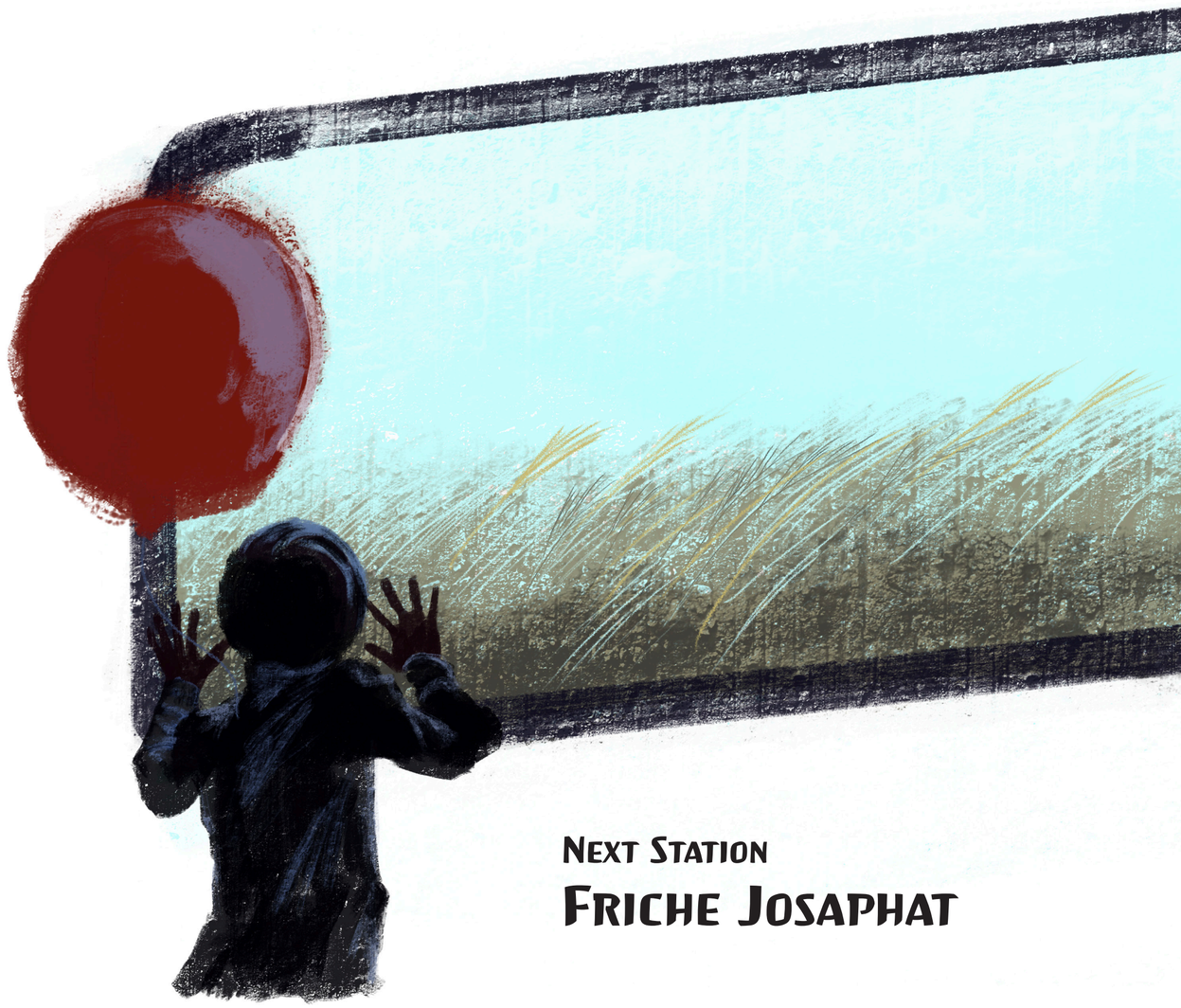


Passage of Wind

JACKY LAI KA CHUN

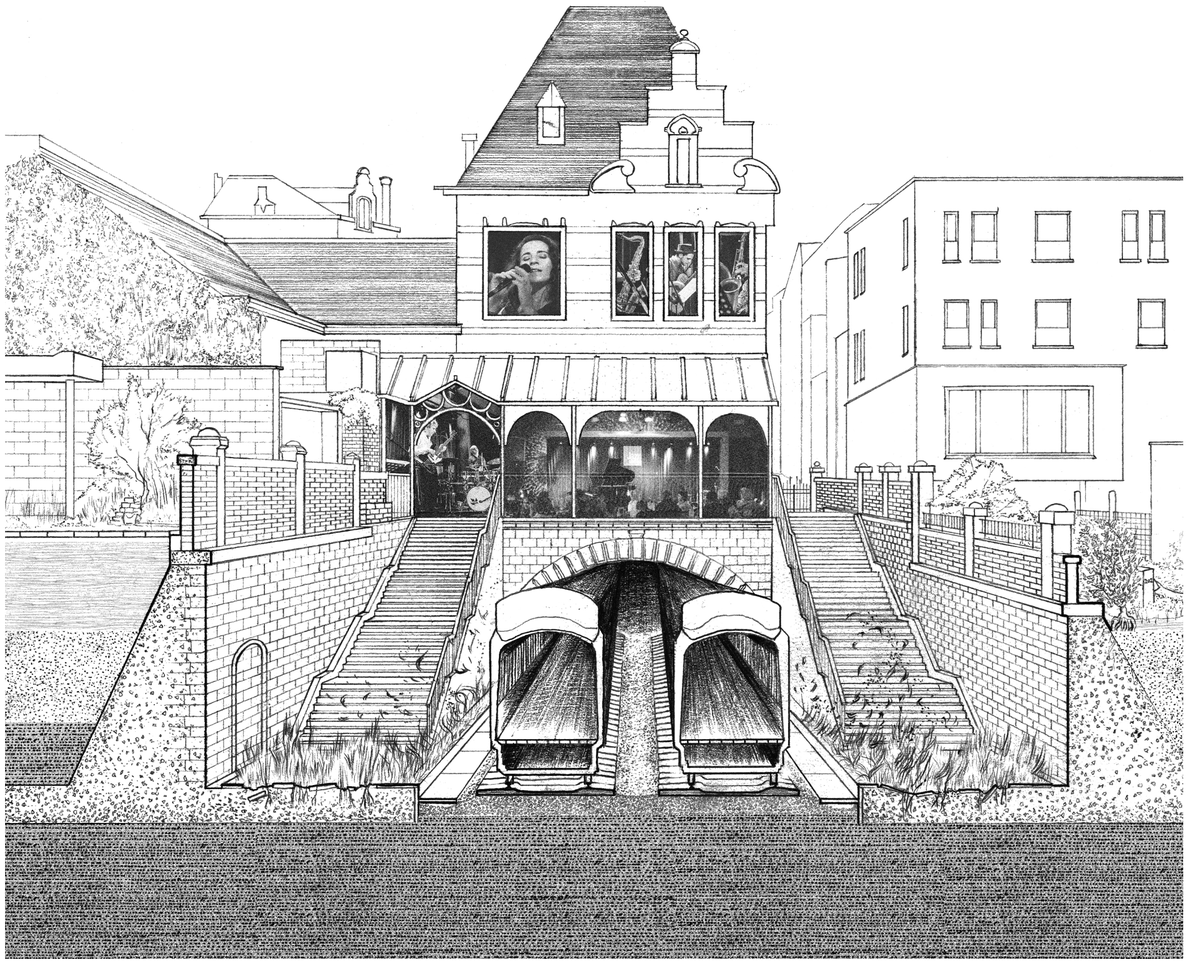


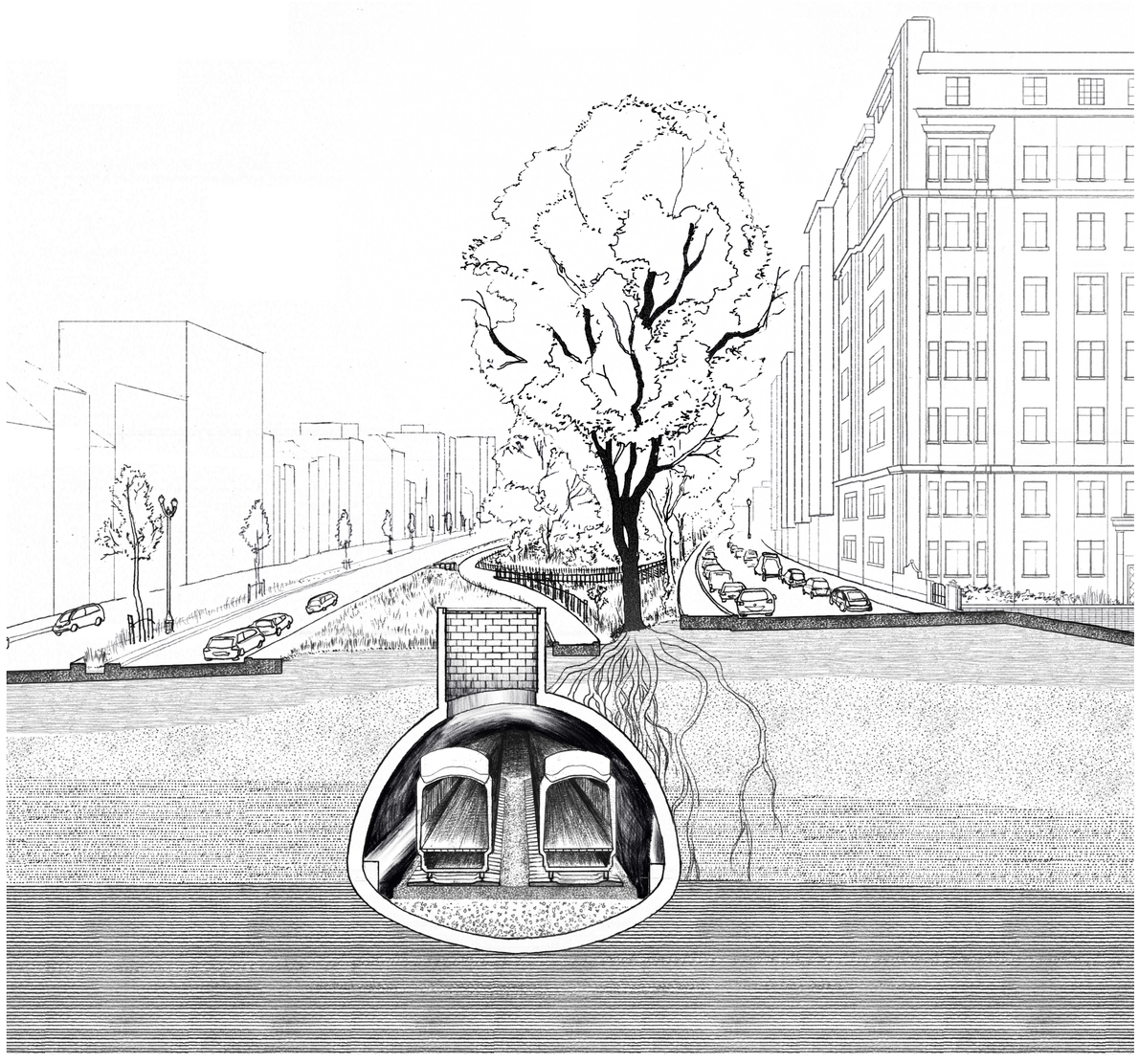


NEXT STATION

FRICHE JOSAPHAT

PROLOGUE	ALONG THE TRACK	3 - 10
CHAPTER 1	WEATHER ON FRICHE	11 - 18
CHAPTER 2	MASTERPLAN - FRICHE & VALLEY	19-24
CHAPTER 3	AGENCY OF ARCHITECTURE	25-32
CHAPTER 4	ZEFIER SCHOOL	33-34
CHAPTER 5	TO BE CONTINUED	

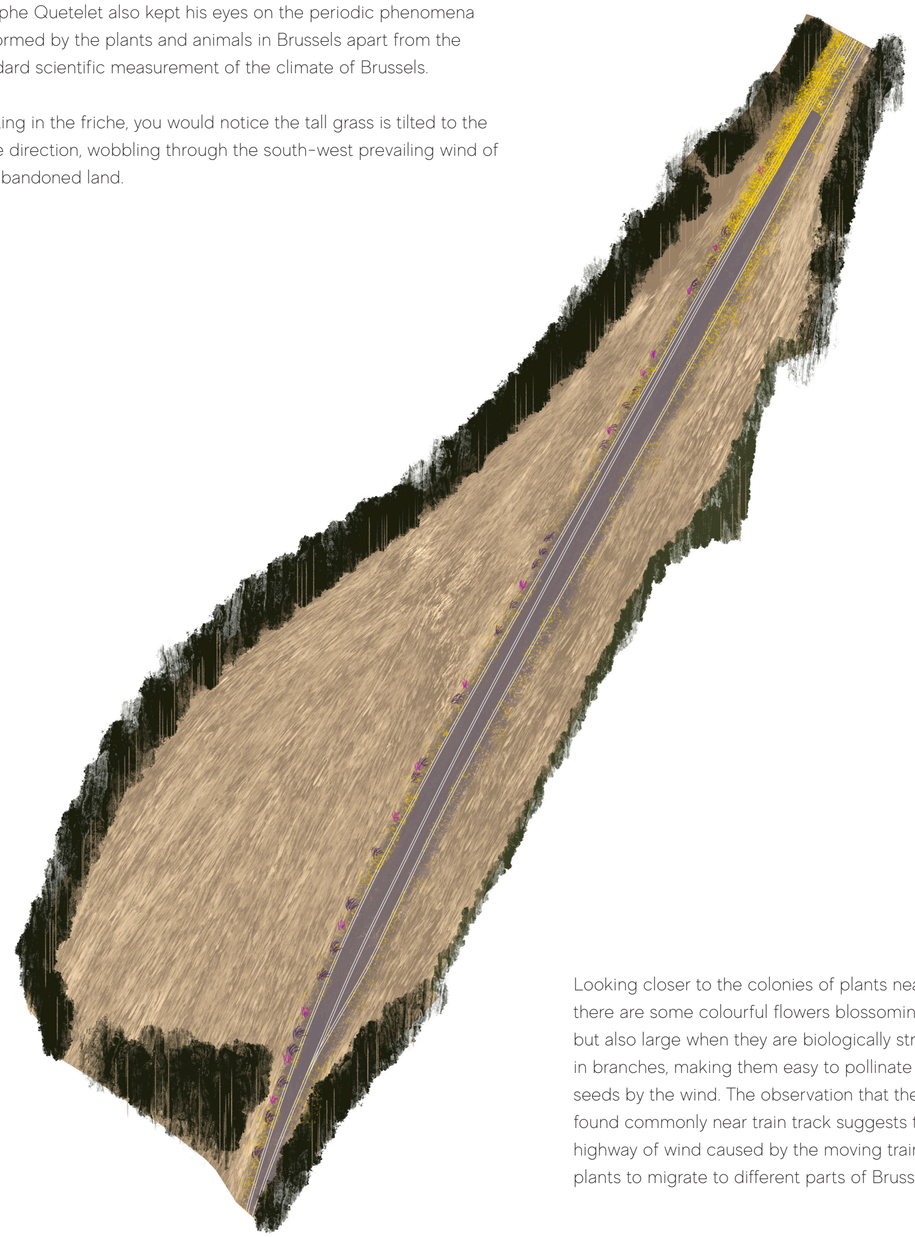




FAUNA AND WIND

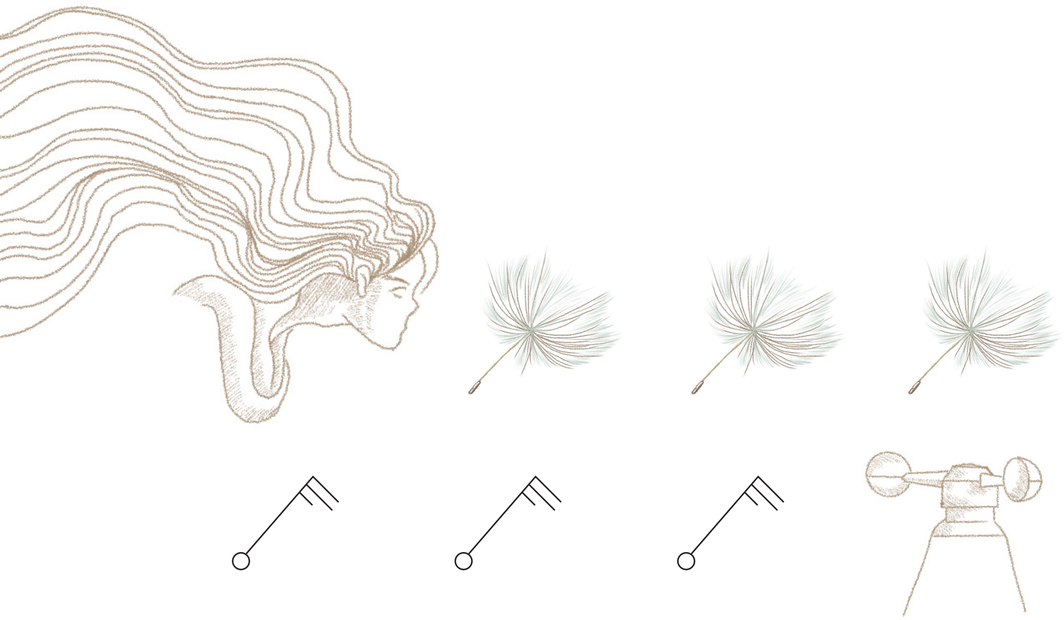
The scientists who drafted the scope of climatic science in the 19th century relied on their observations and analysis of soil hydrology, colonies of plant species, and verbal legacy among the farmers to figure out the relationship between local weather and regional climatic sequences. The founder and director of the Brussels Observatory, Adolphe Quetelet also kept his eyes on the periodic phenomena performed by the plants and animals in Brussels apart from the standard scientific measurement of the climate of Brussels.

Walking in the friche, you would notice the tall grass is tilted to the same direction, wobbling through the south-west prevailing wind of the abandoned land.



Looking closer to the colonies of plants near the train track, there are some colourful flowers blossoming. They are small but also large when they are biologically structured to thrive in branches, making them easy to pollinate and disperse their seeds by the wind. The observation that these flowers were found commonly near train track suggests that the aritifical highway of wind caused by the moving trains also help these plants to migrate to different parts of Brussels.



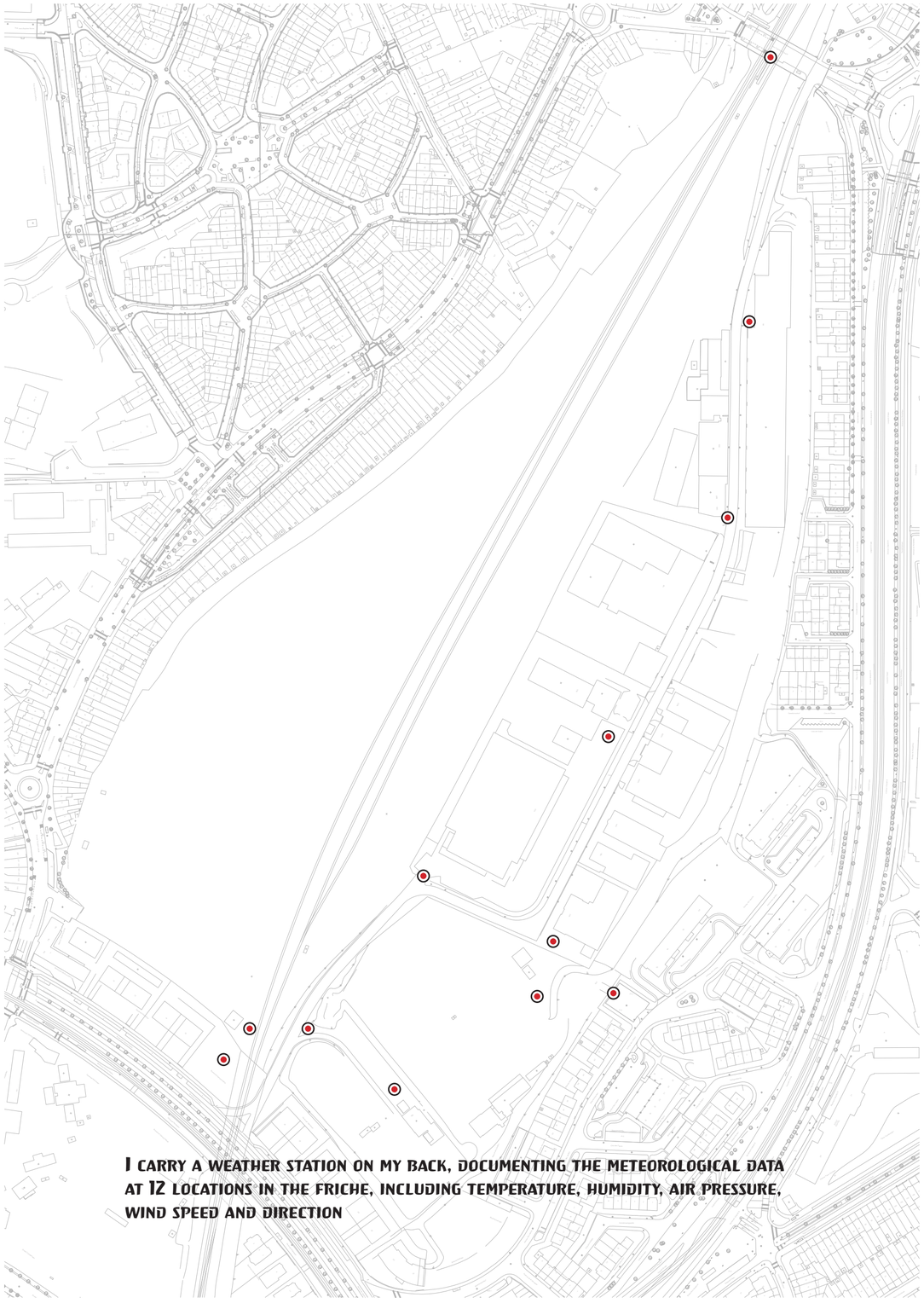


I look at the TV broadcasting of the weather forecast today.
Although I don't understand the meaning of those wind flags,
but they really look like the dandelion's fluffy seeds.



MACHINE AND WIND

Society develops, so people need a common and standardized language to communicate in describing weather. Machines and mechanic cycles became the tools to convert meteorological information into numbers, allowing citizens to compare their living environments with others'.



I carry a weather station on my back, documenting the meteorological data at 12 locations in the friche, including temperature, humidity, air pressure, wind speed and direction

MASTERPLAN - FRICHE & VALLEY



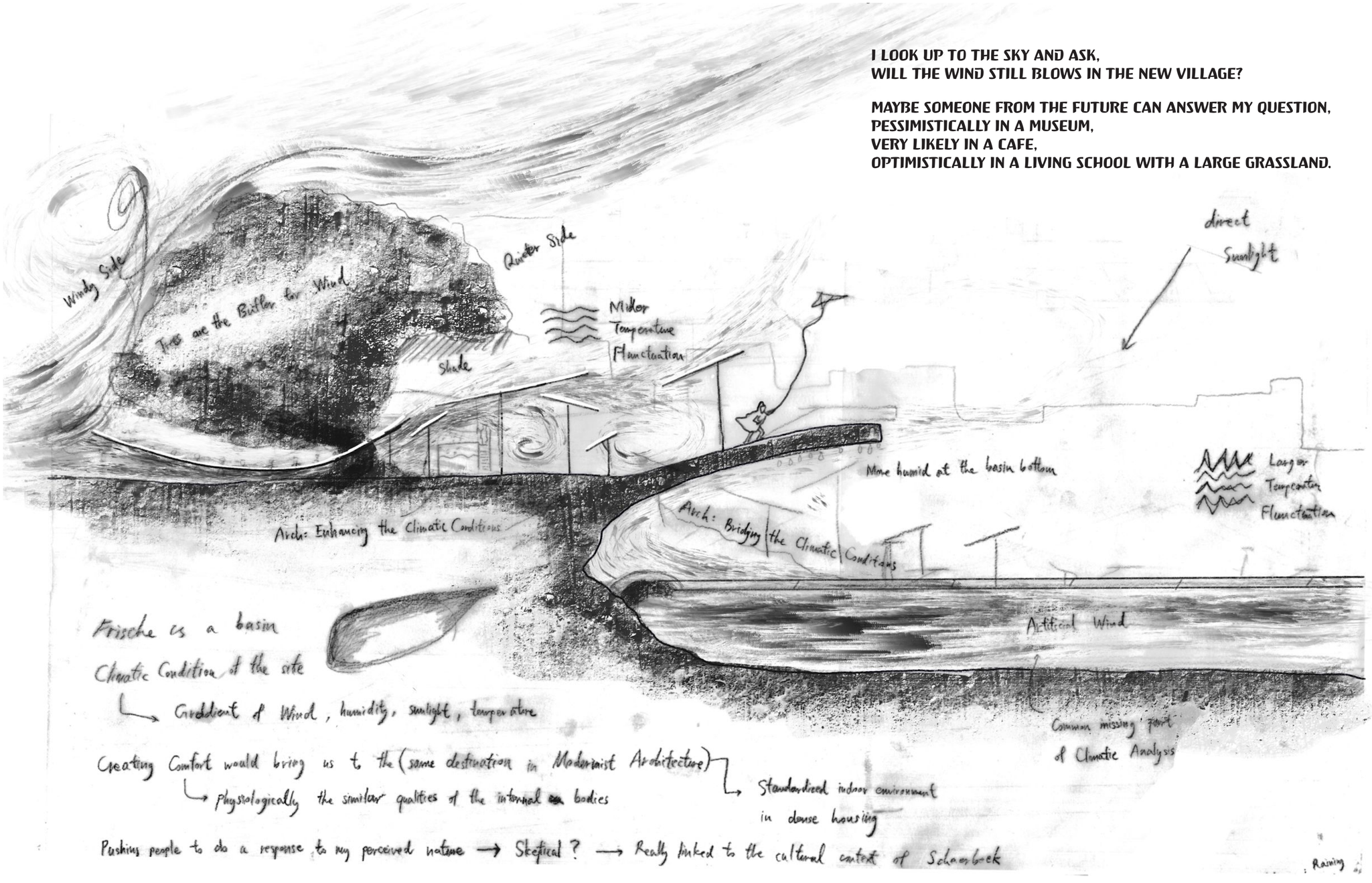


JARON SMIT, JACKY LAI, JACKIE HO
URBAN ARCHITECTURE STUDIO 2023-2024

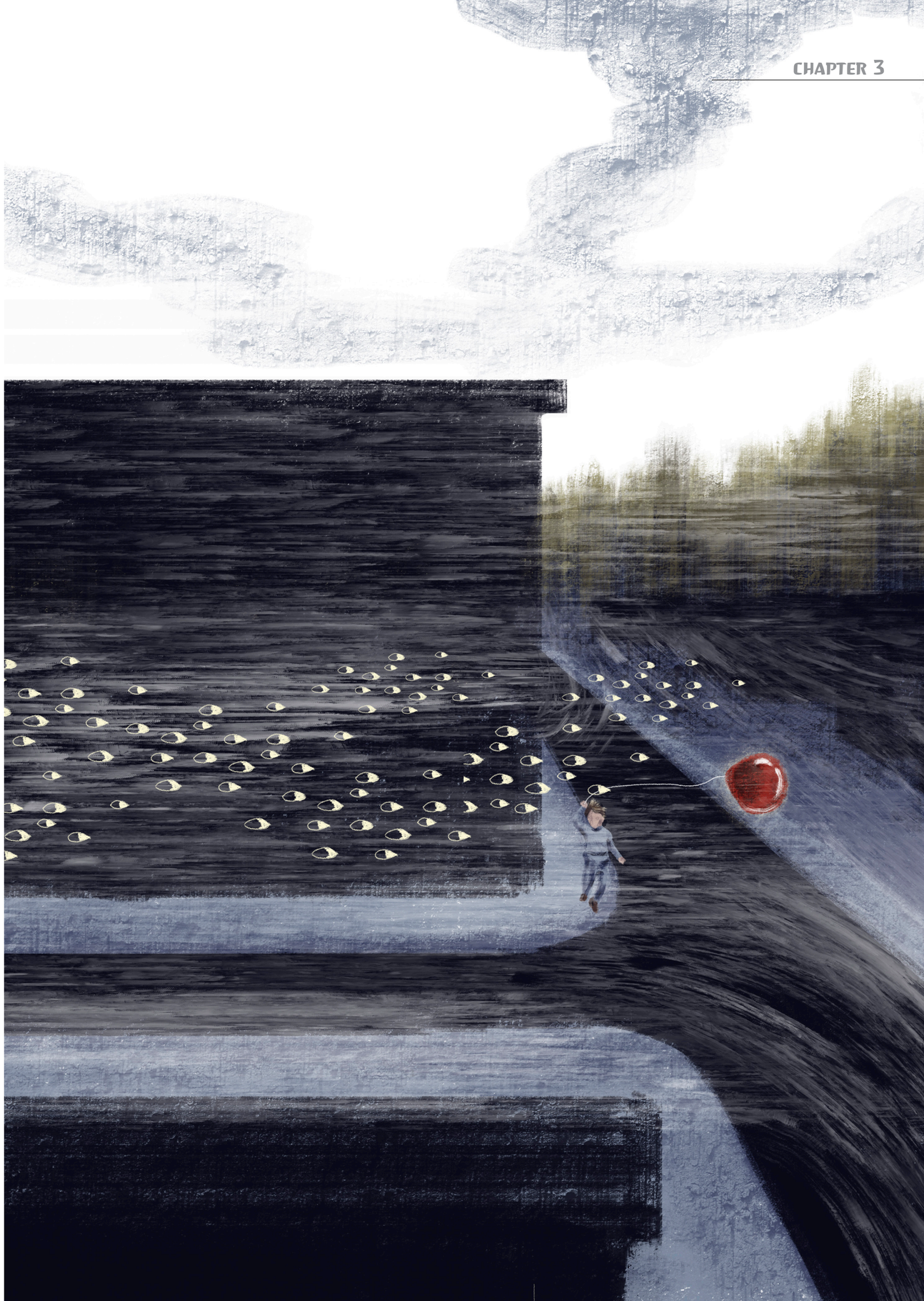


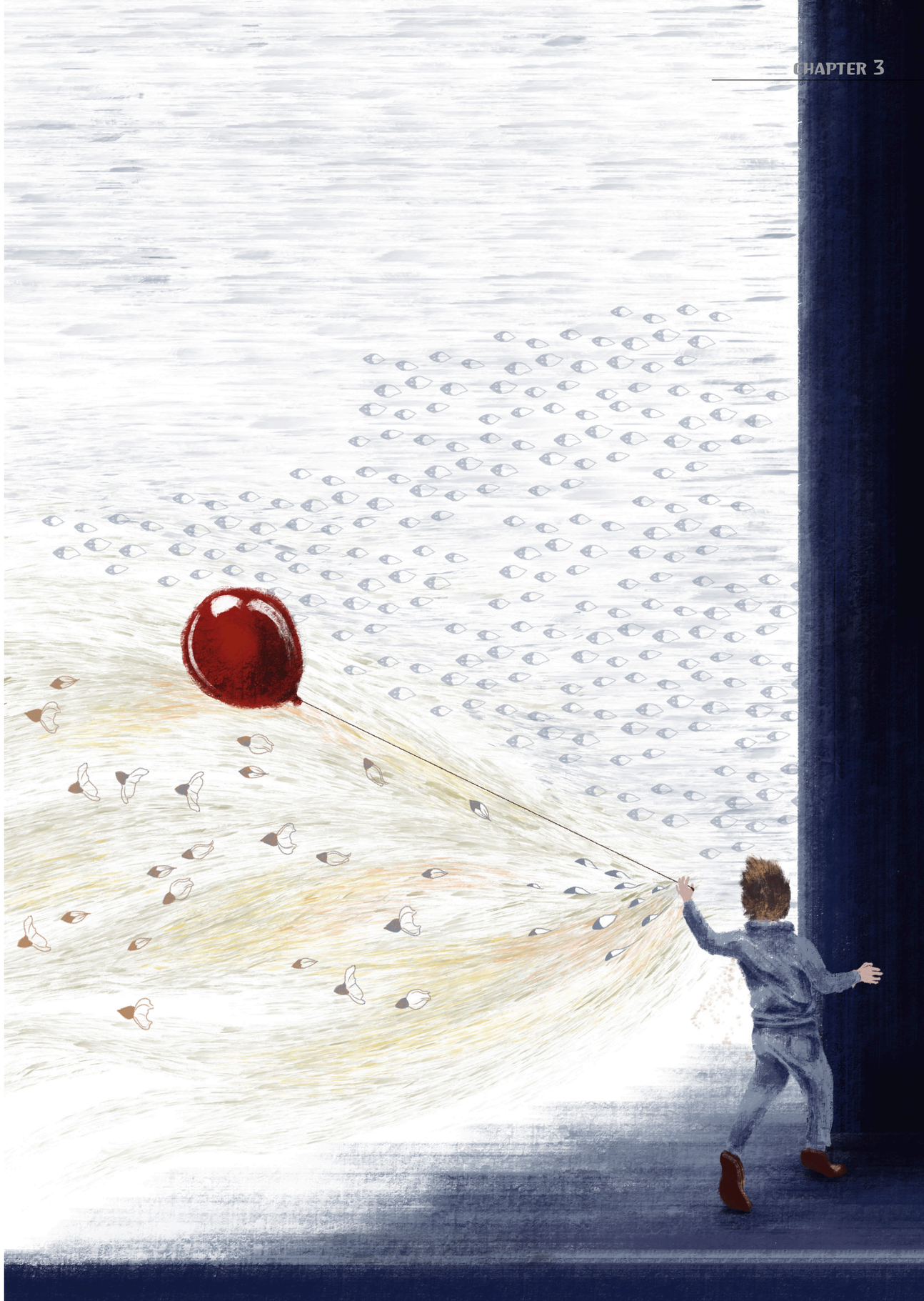
I LOOK UP TO THE SKY AND ASK,
WILL THE WIND STILL BLOWS IN THE NEW VILLAGE?

MAYBE SOMEONE FROM THE FUTURE CAN ANSWER MY QUESTION,
PESSIMISTICALLY IN A MUSEUM,
VERY LIKELY IN A CAFE,
OPTIMISTICALLY IN A LIVING SCHOOL WITH A LARGE GRASSLAND.











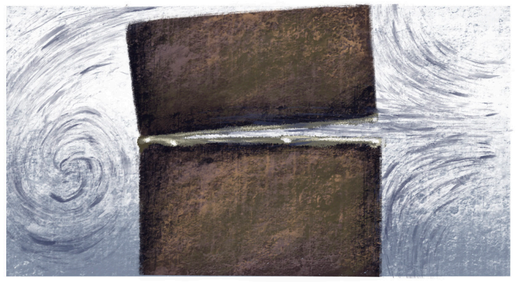


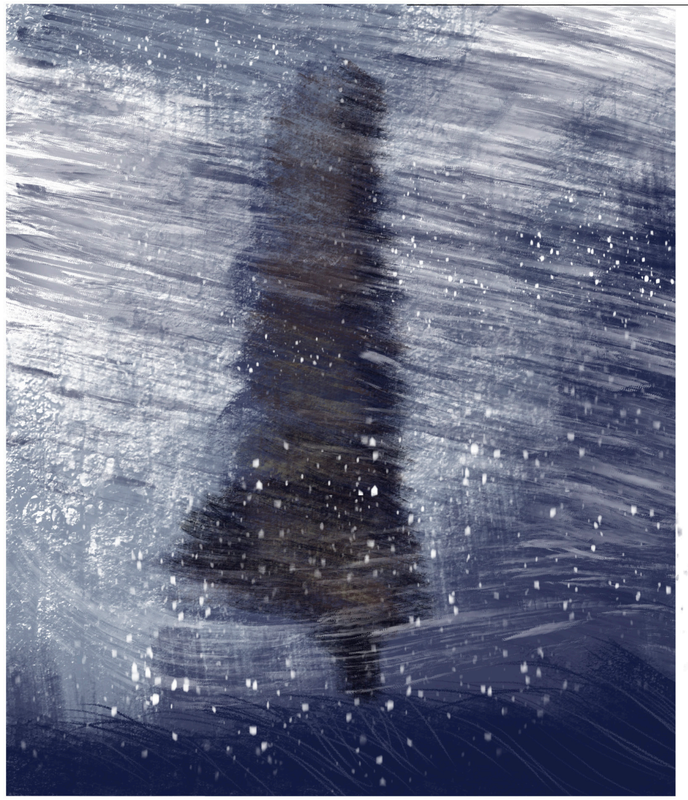




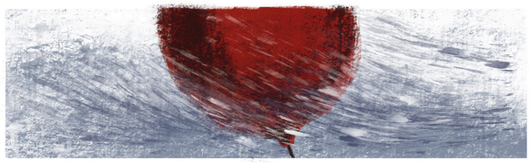


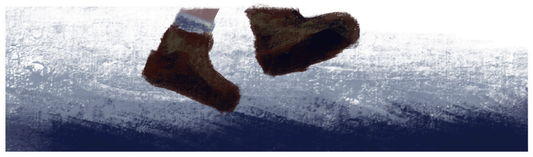






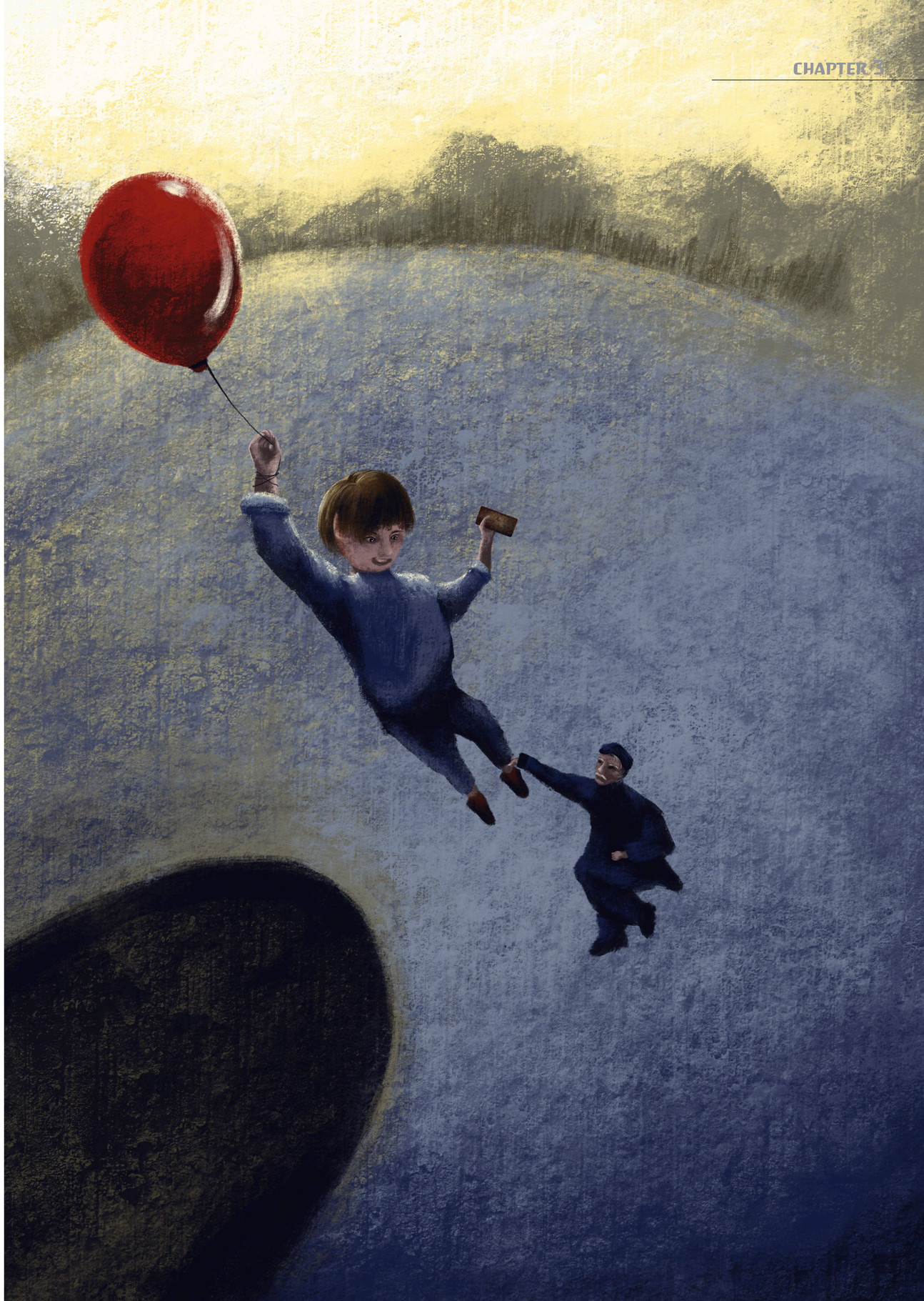








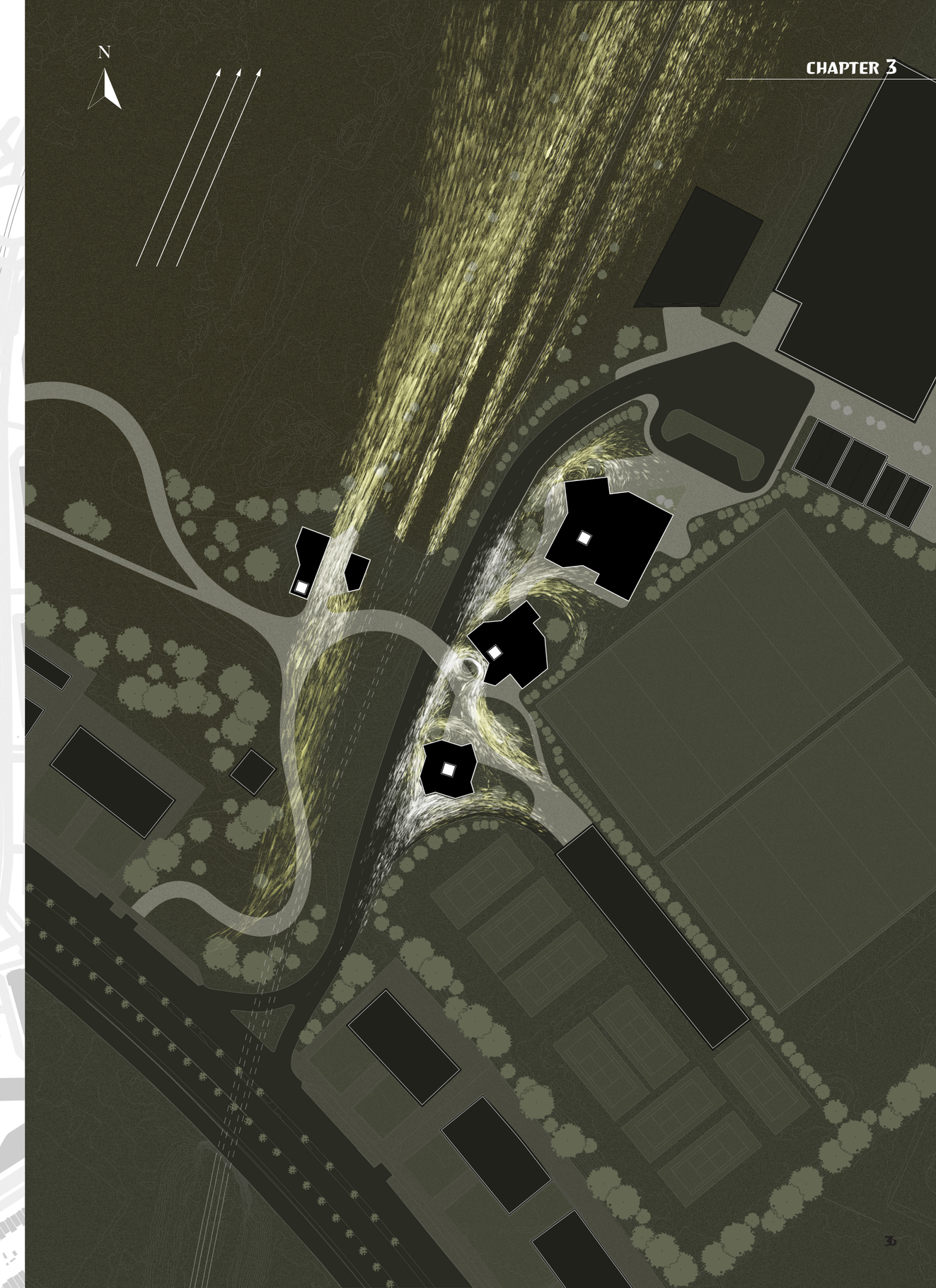




CORNER TO GATEWAY

Park Wahis at the south end of the friche and the train track marks a big opening to the sunken landscape. It acts more like a cap on top of the train track rather than an inviting entrance. Apart from the challenges of accessibility, this area is also the origin of the highway of the prevailing wind, making it a very dynamic site to consider the agency of architecture in this particular urban context.

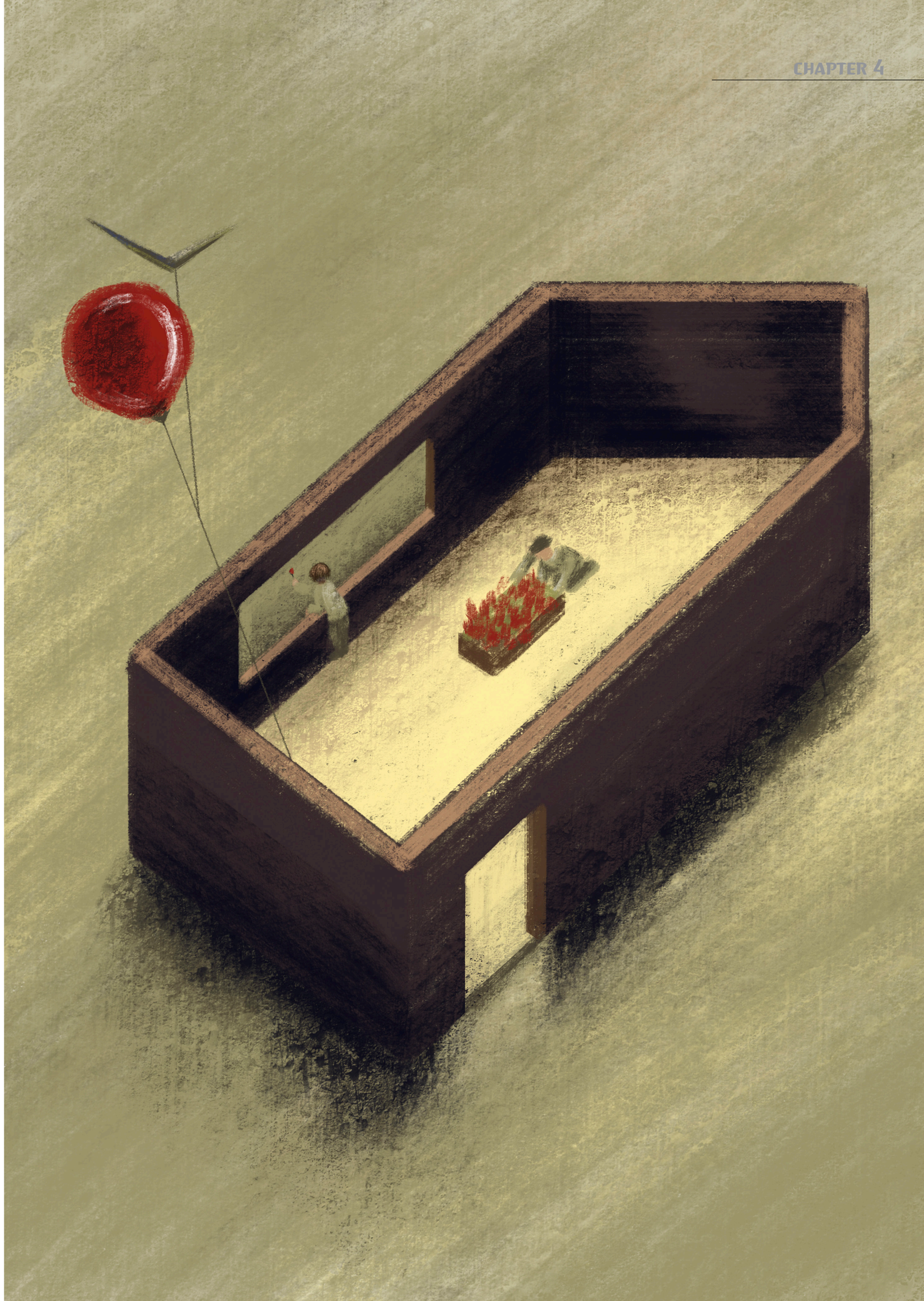












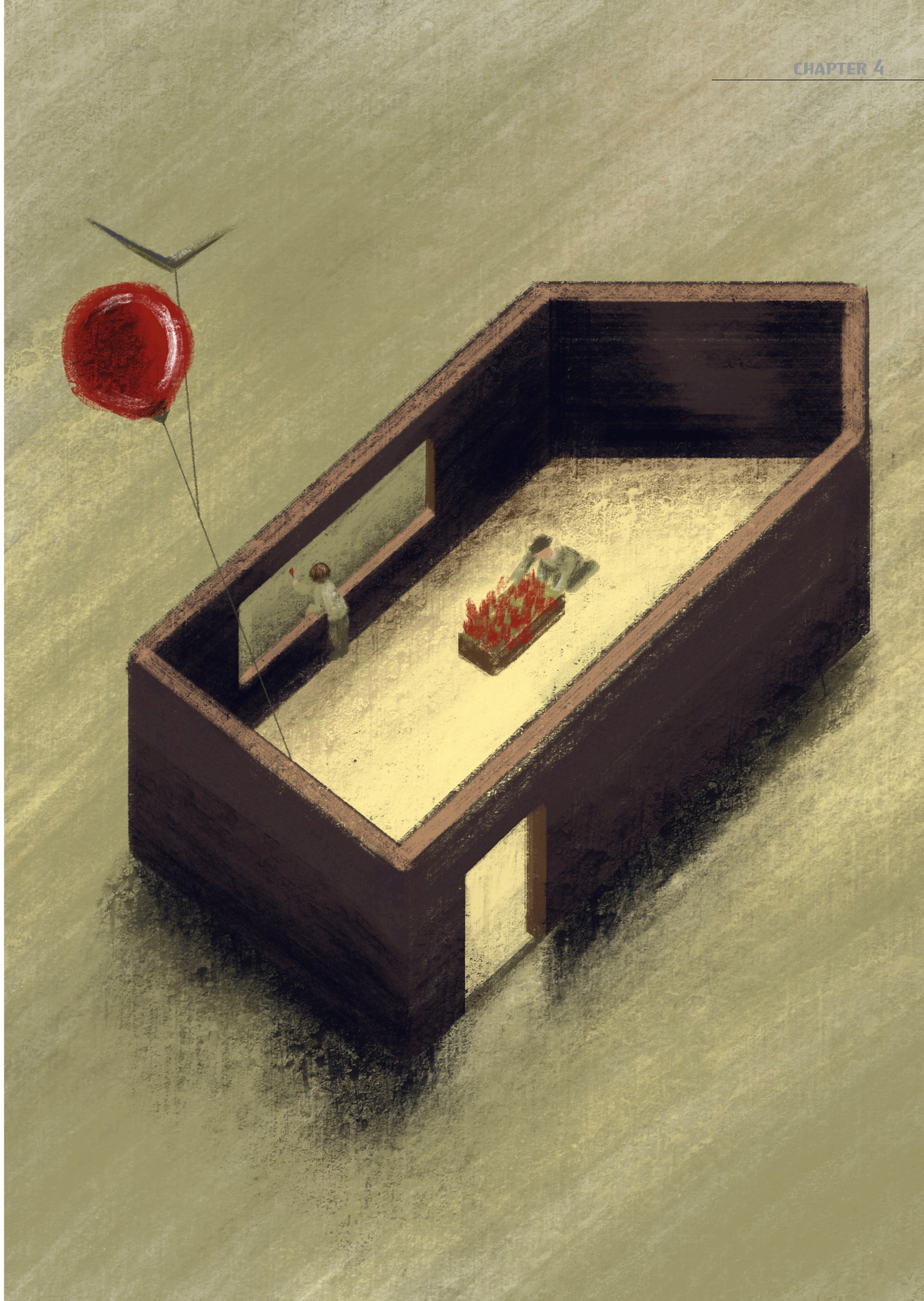
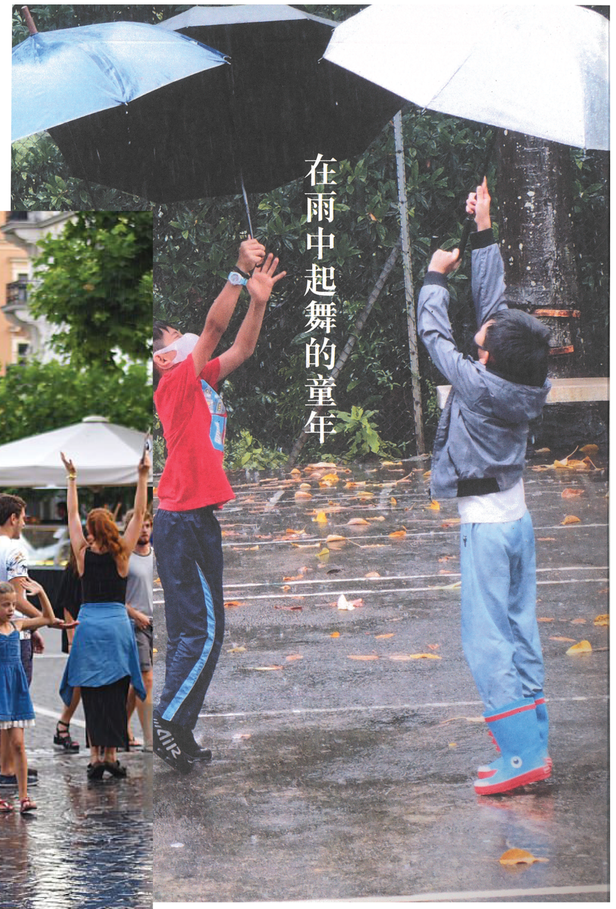


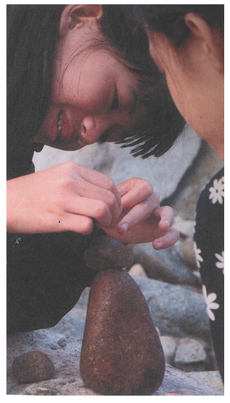
Image from a book "A childhood dancing in the rain" published in Hong Kong



A public art installation simulating the weather in Ljubljana







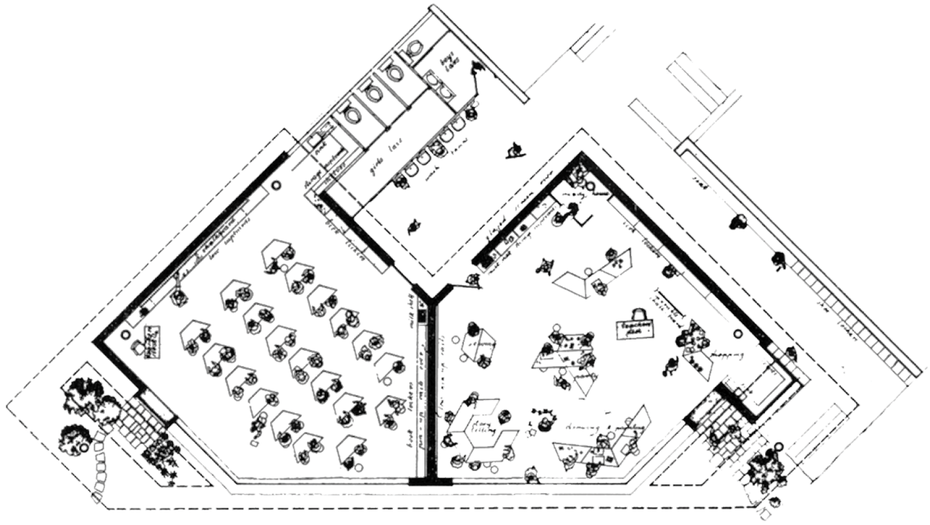
MASTER GAIA

THE WAY OF LEARNING

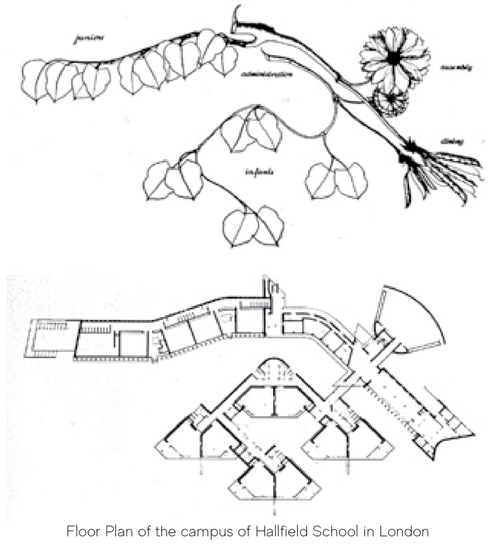
Among the public and tourists, children and parents are the most active players who spread their limbs to enjoy this weather installation. This picture brought me back numerous memories of watching kids riding on the wind in animes and movies, realising the necessity of sensing the weather and the environments during the growth of a child.



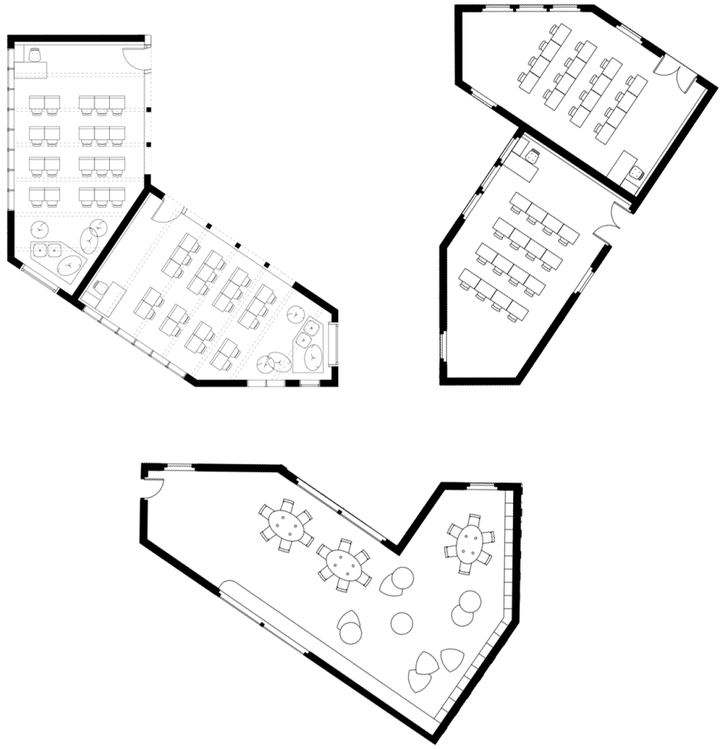
A collage of a natural playground in Friche Josaphat



Floor Plan of a Classroom Cluster of Hallfield School in London



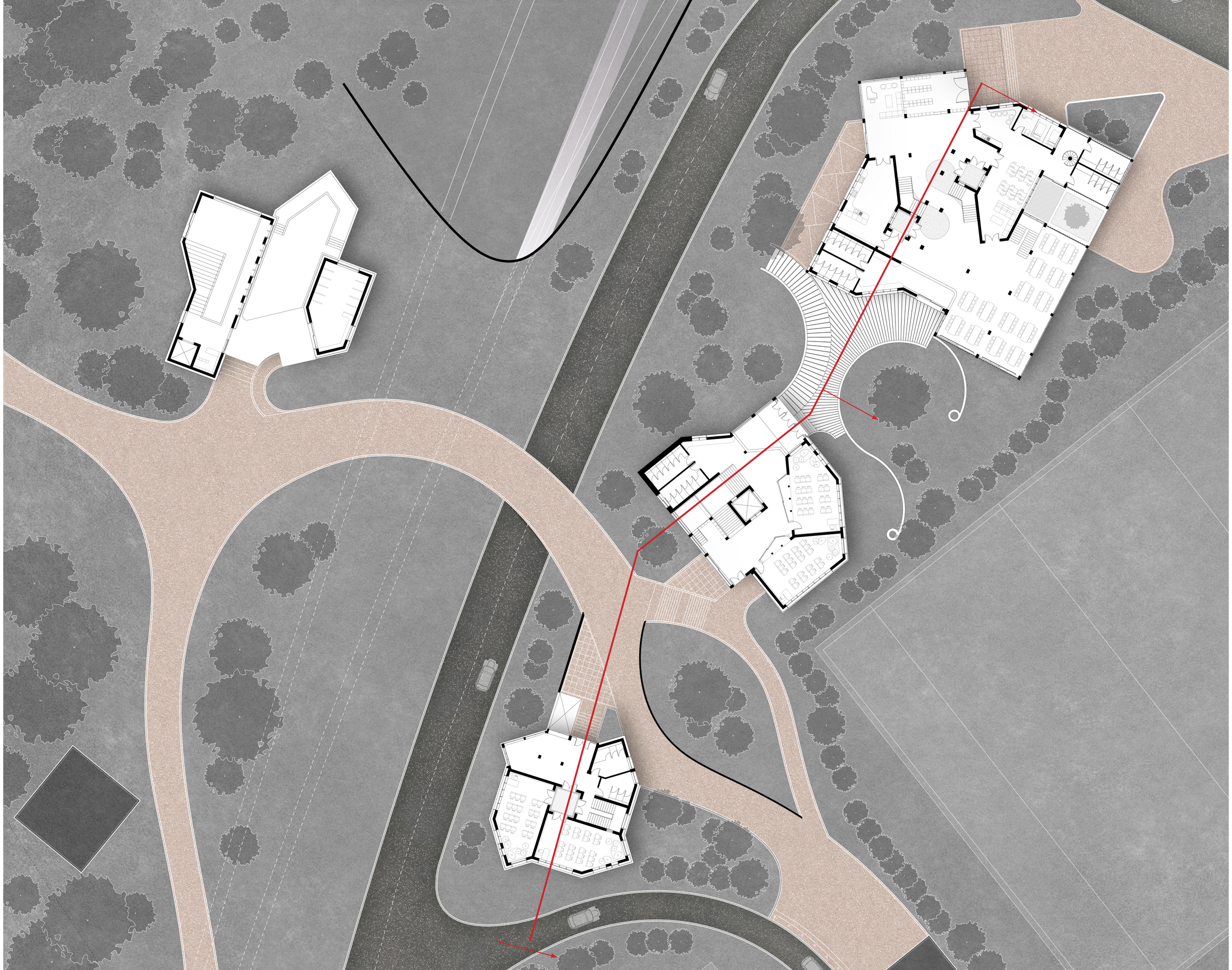
Floor Plan of the campus of Hallfield School in London



Floor Plan Sketch of a Classroom Design for the new school



Floor Plan Sketch of a Classroom Cluster for the new school



Block A

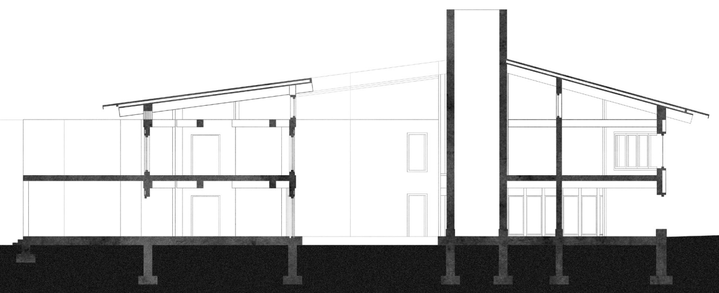
SW

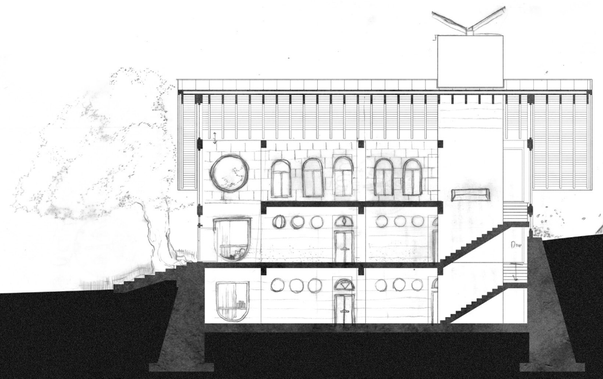
Frontyard

Foyer

Classroom Interior

Dn





Block A

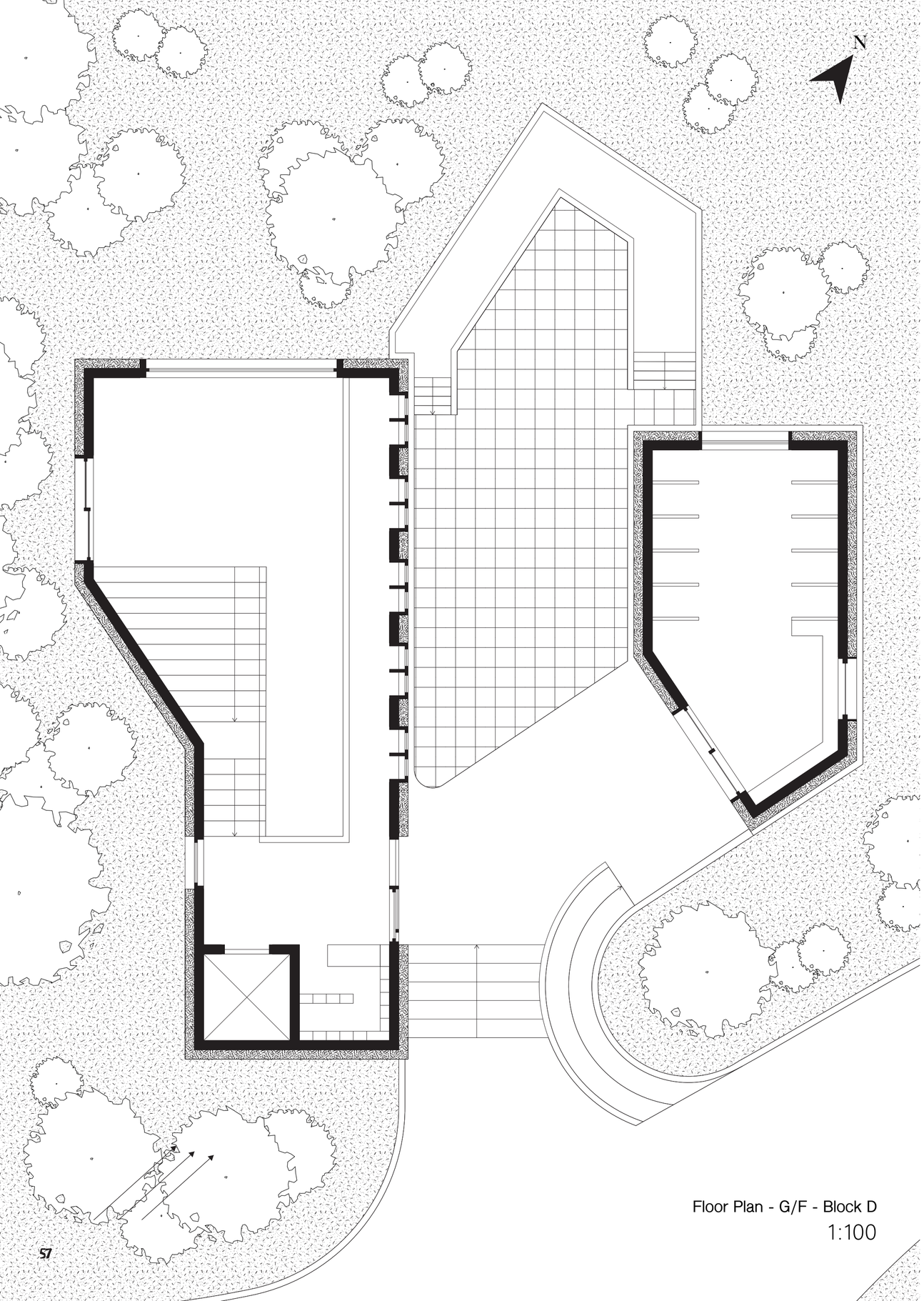
SW

Frontyard

Foyer

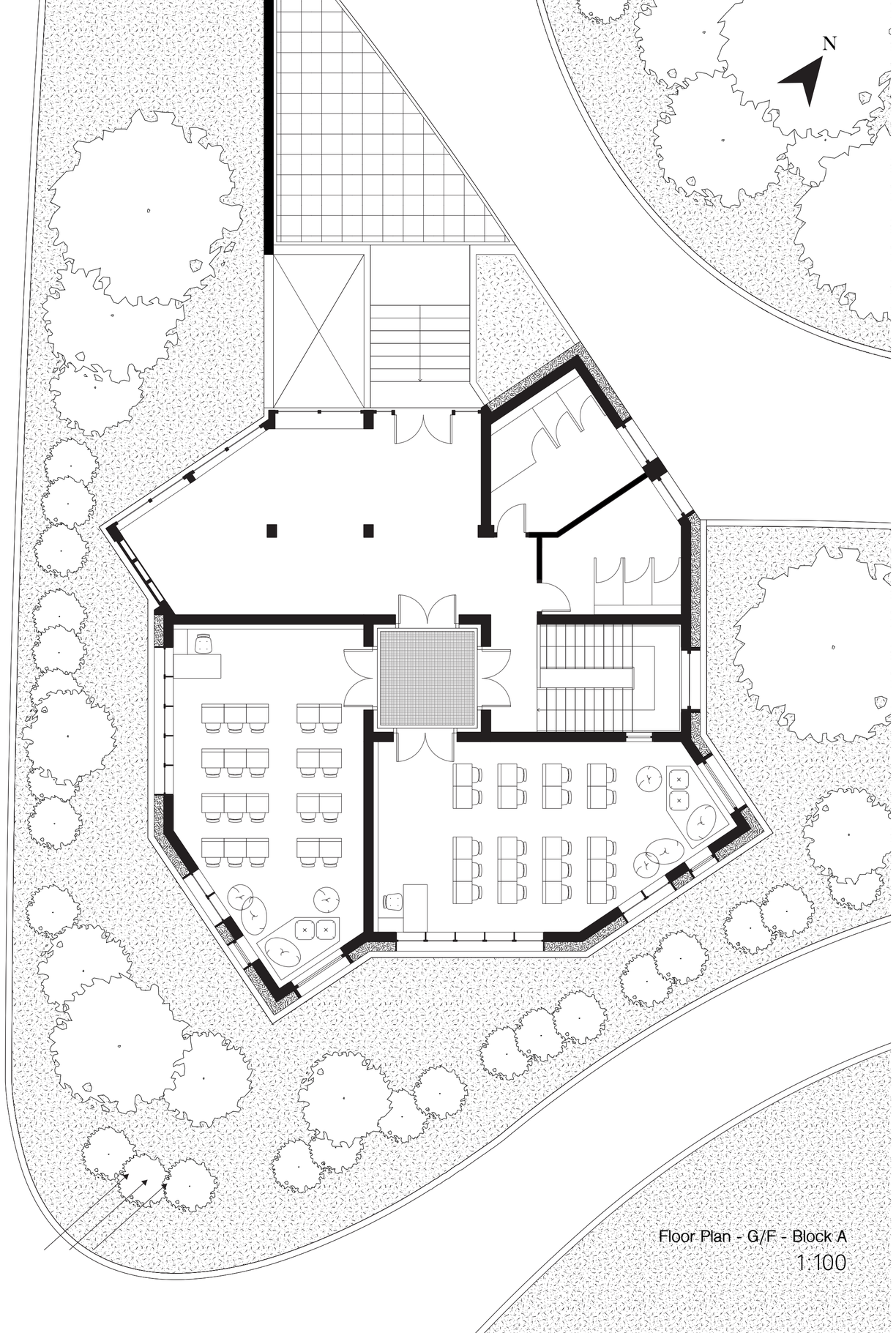
Classroom Interior





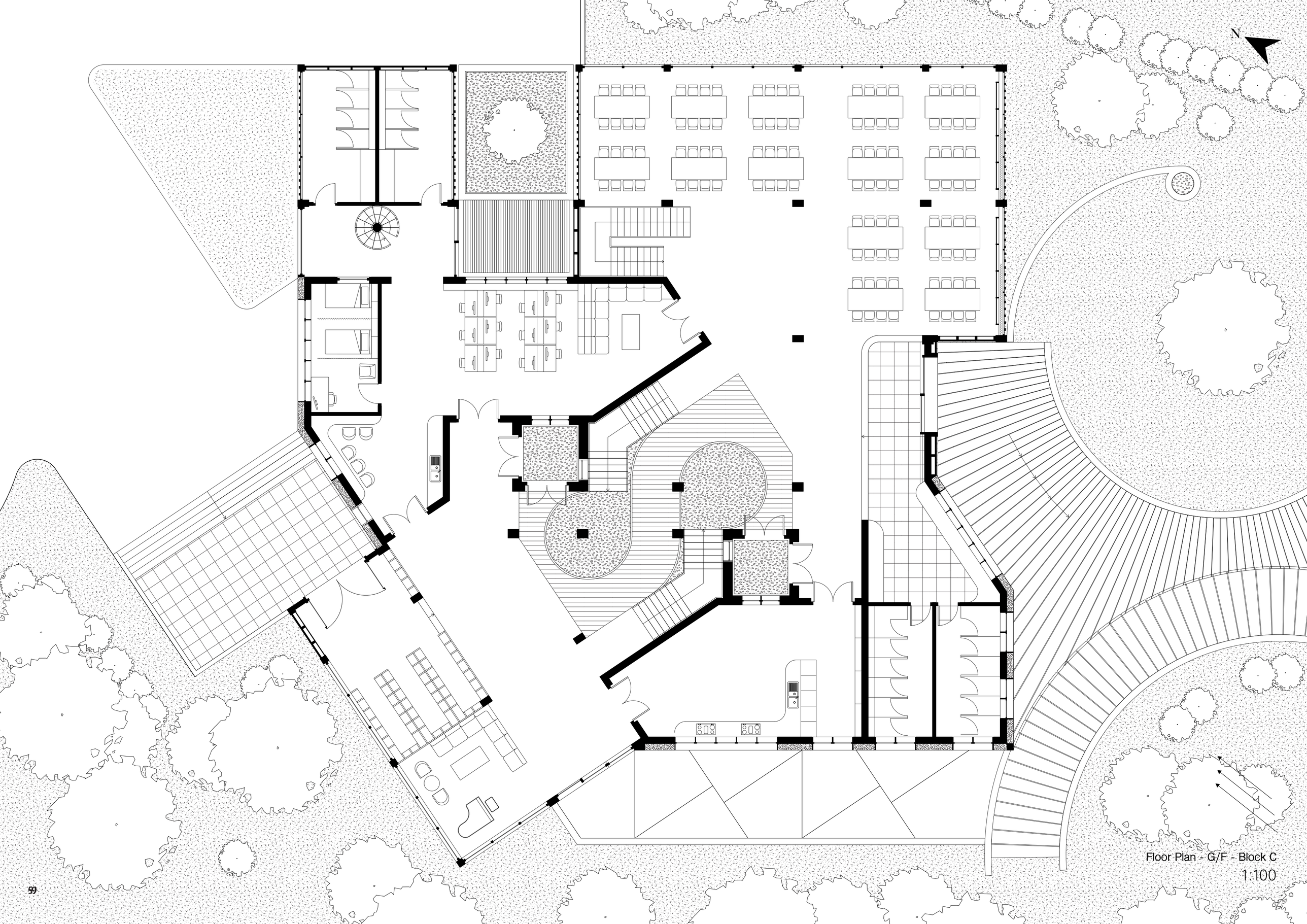
Floor Plan - G/F - Block D

1:100



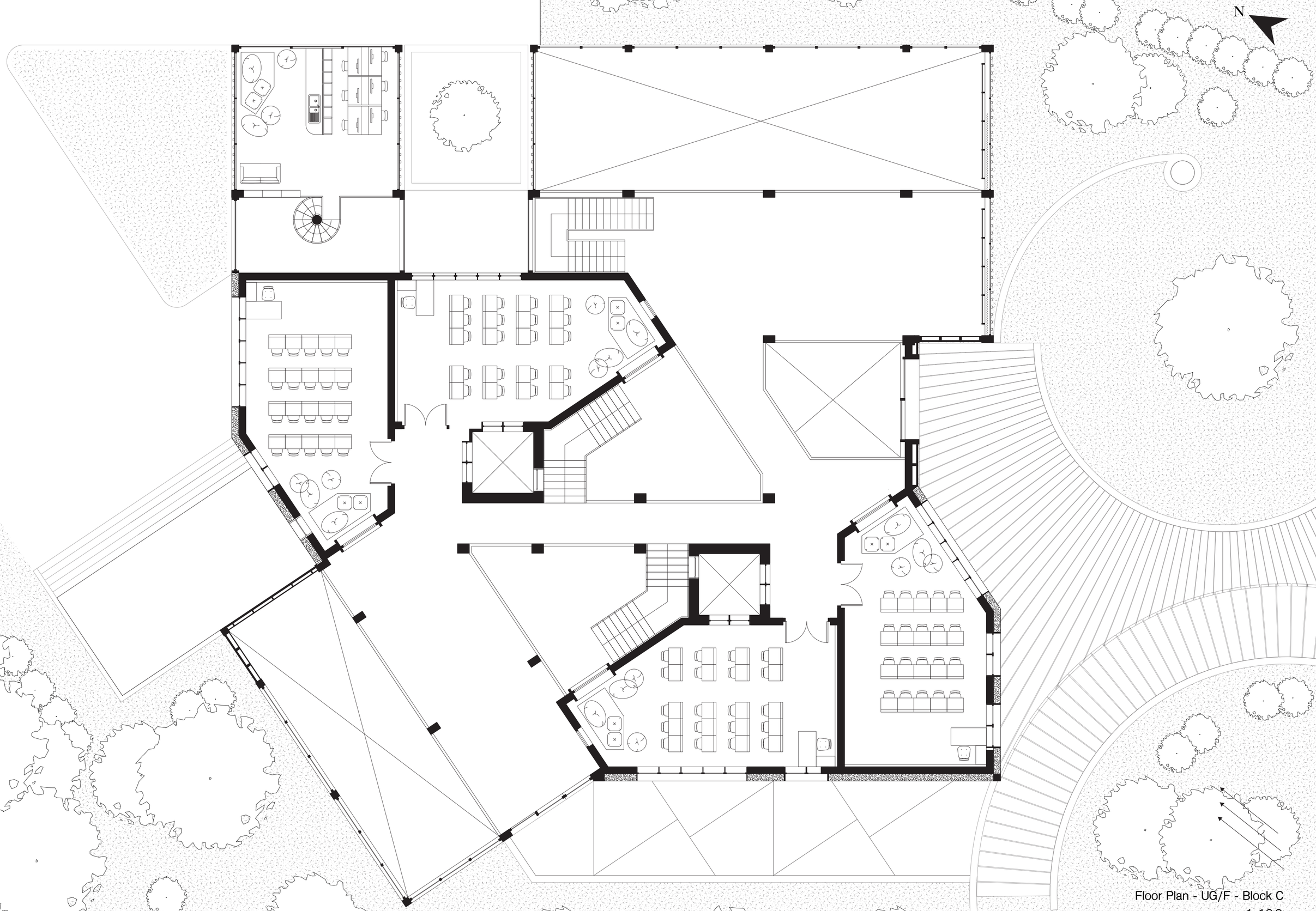
Floor Plan - G/F - Block A

1:100



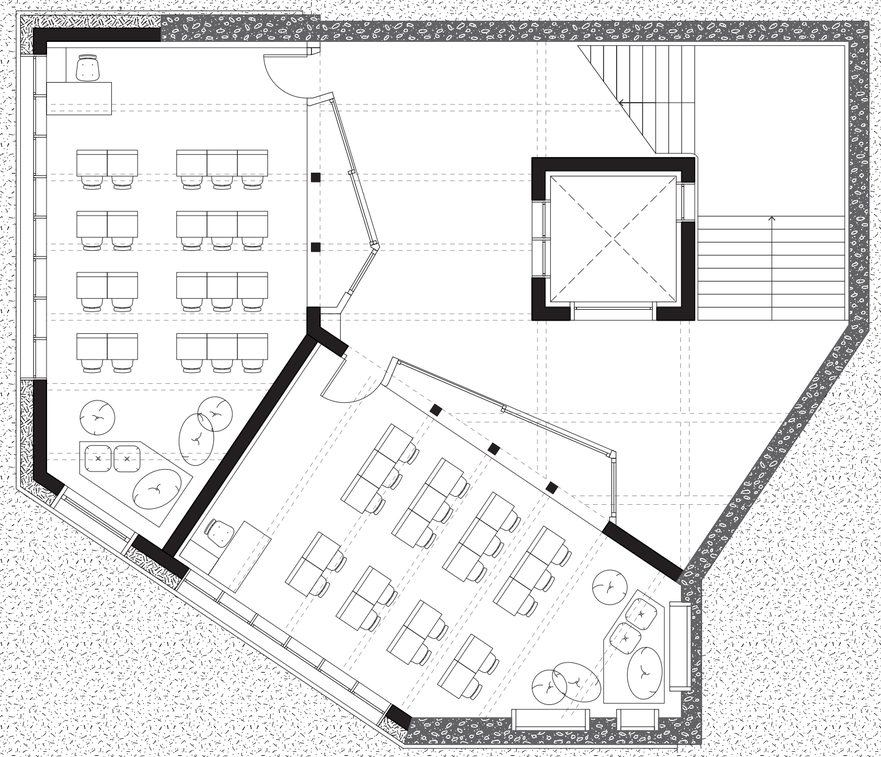
Floor Plan - G/F - Block C

1:100



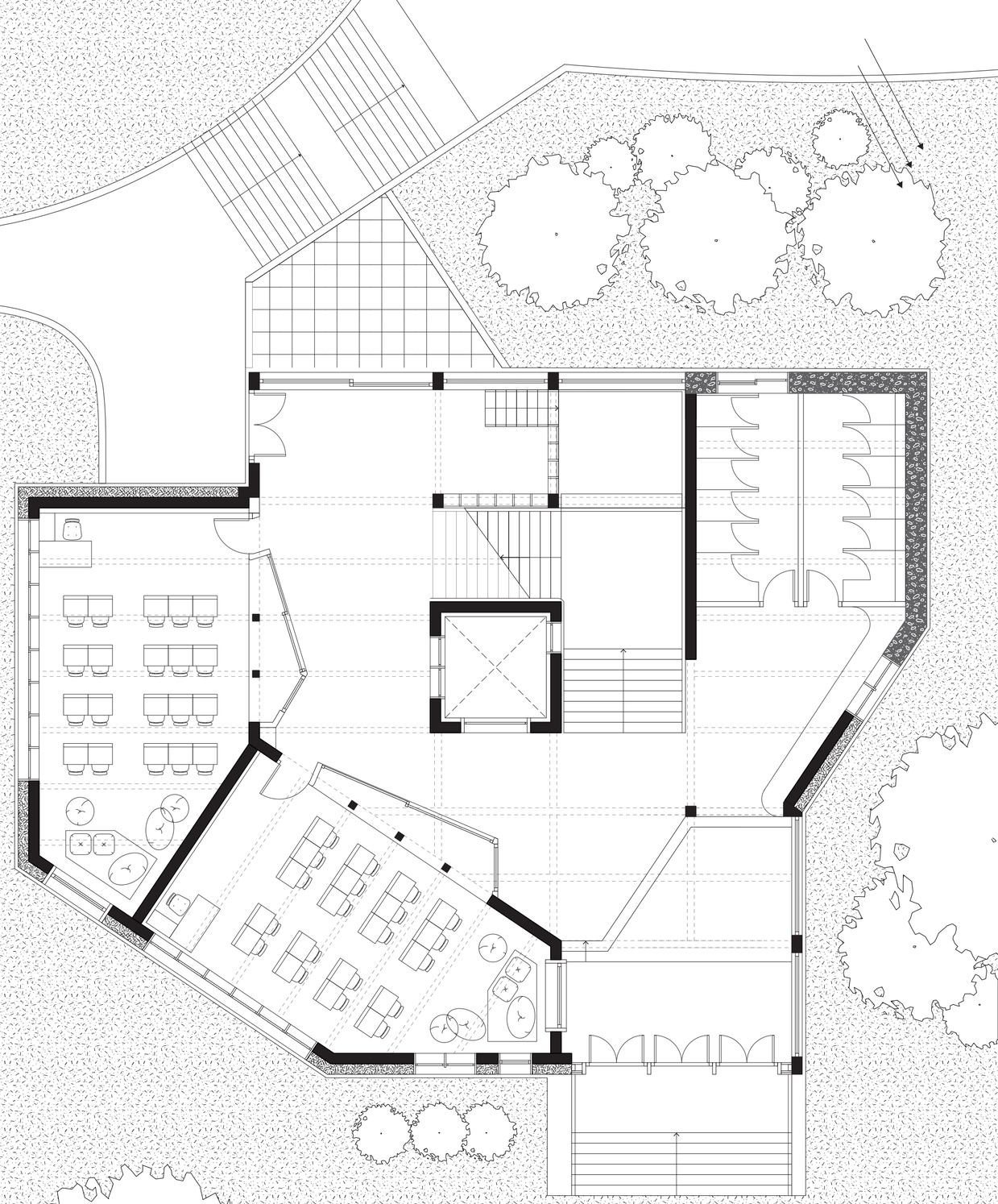
Floor Plan - UG/F - Block C

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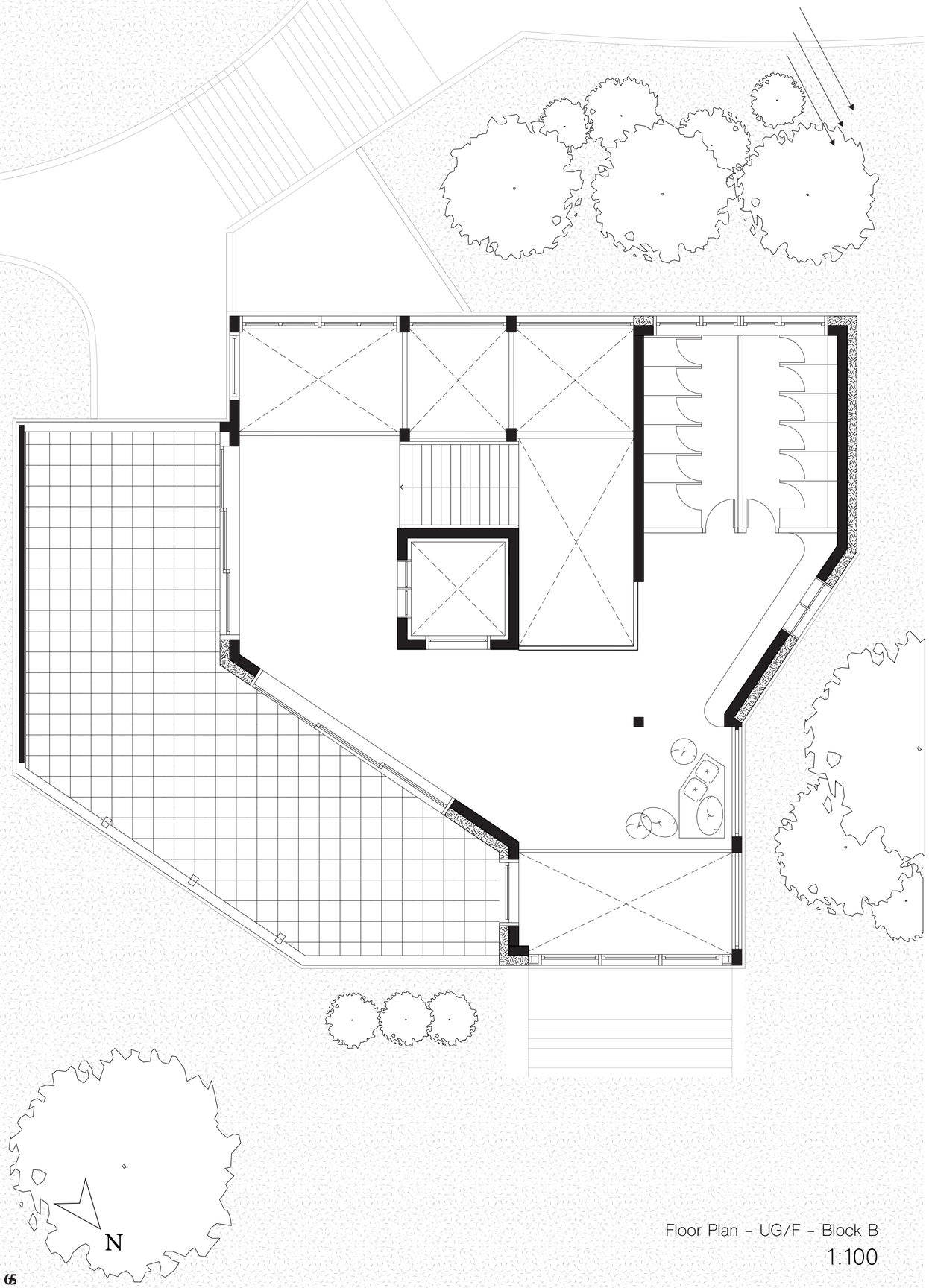
Floor Plan - LG/F - Block B

1:100



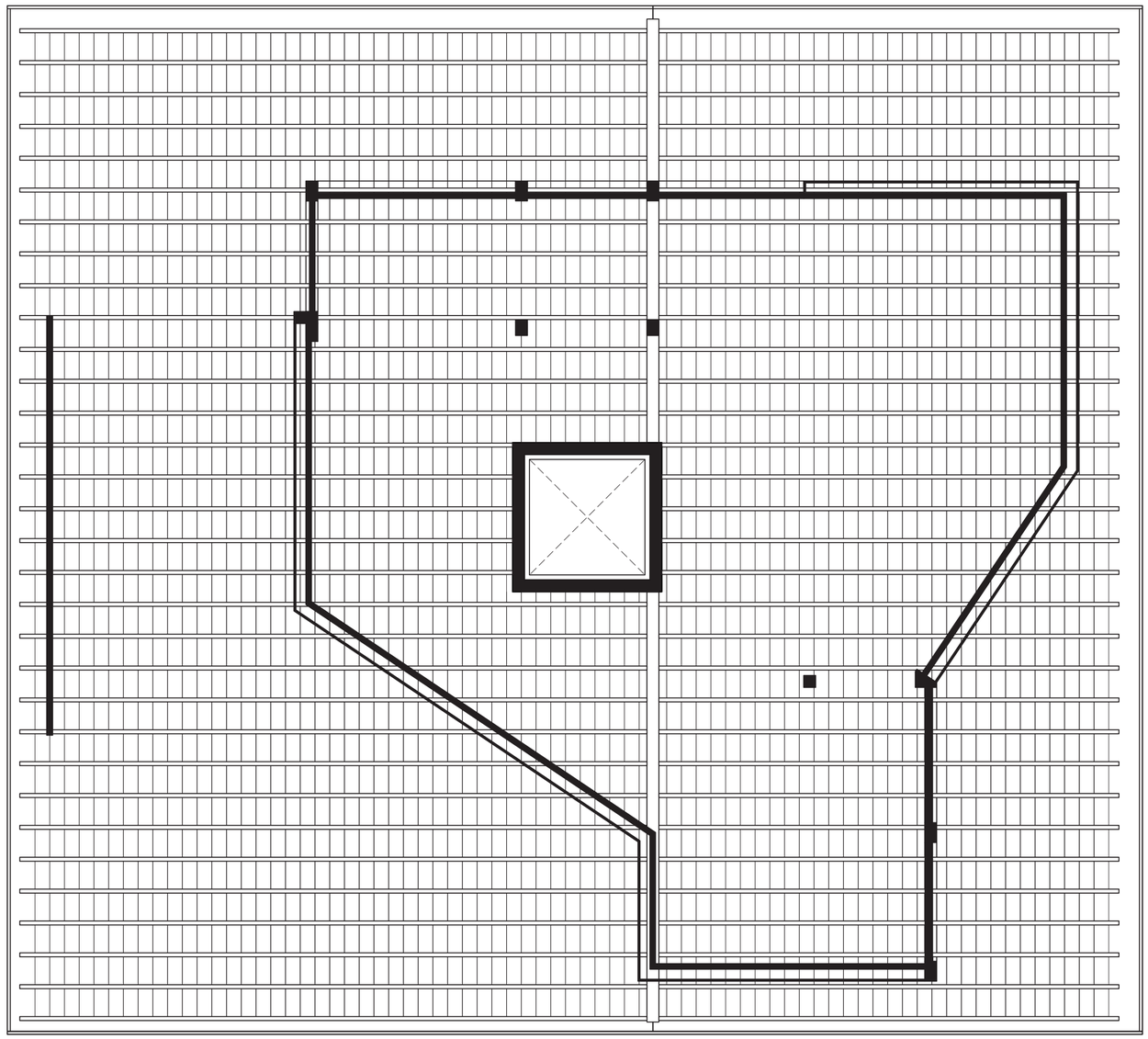
Floor Plan - G/F - Block B

1:100



Floor Plan - UG/F - Block B

1:100



Floor Plan - Attic - Block B

1:100

N

W

E

S

Rainwater drainage

Brussels Summer Solstice 12:00 61°

Wind tower Air Intake

Cellulose Cooling Pads

Terrace

Craftiing Hall

Classroom

Corridor

Floor Heating

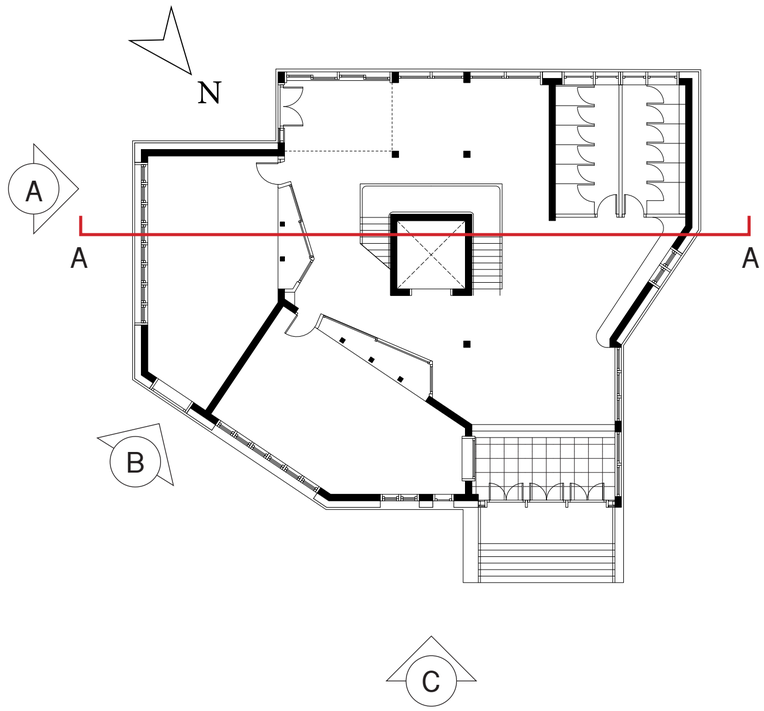
Foyer

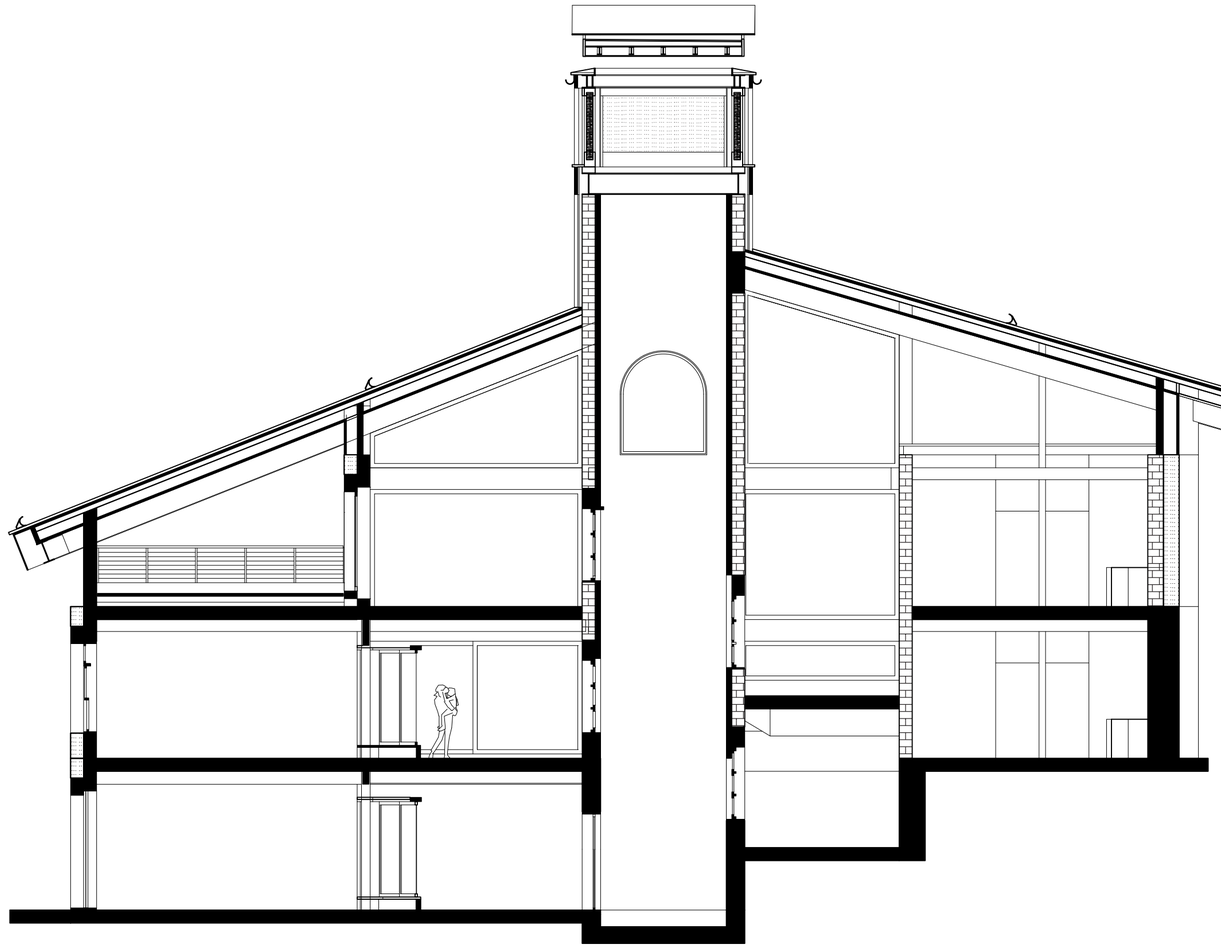
Classroom

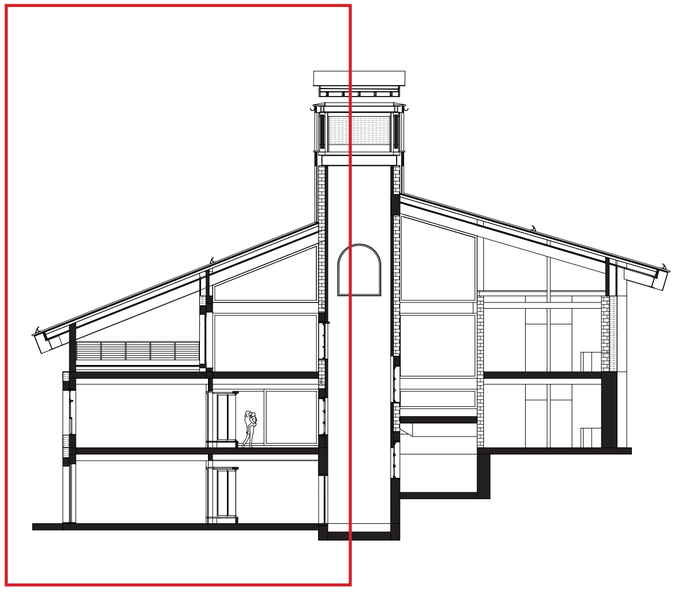
Clerestory windows

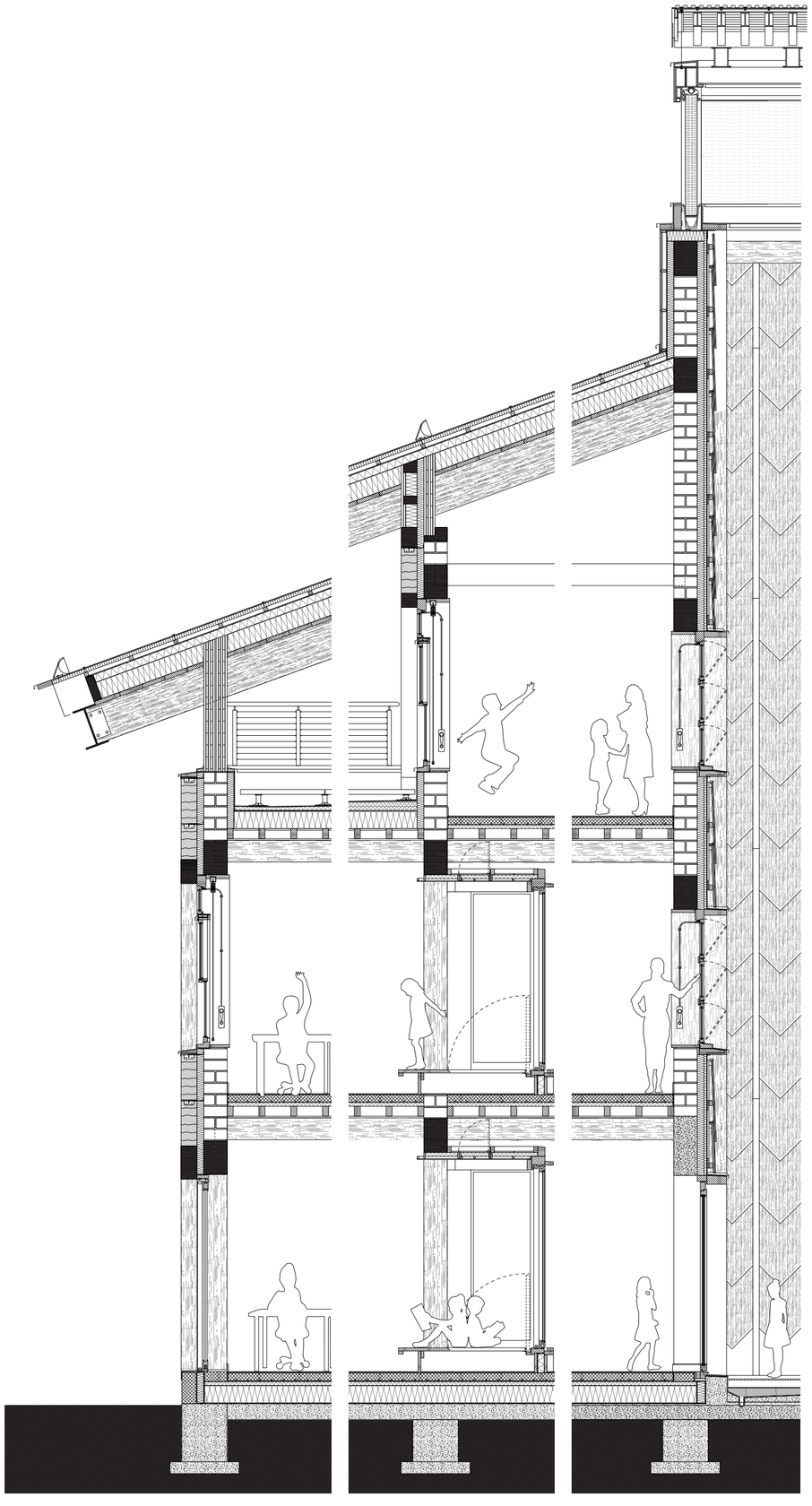
Evatranspirating Treeline along southern facade

Prevailing Wind


N
A
A
A
B
C

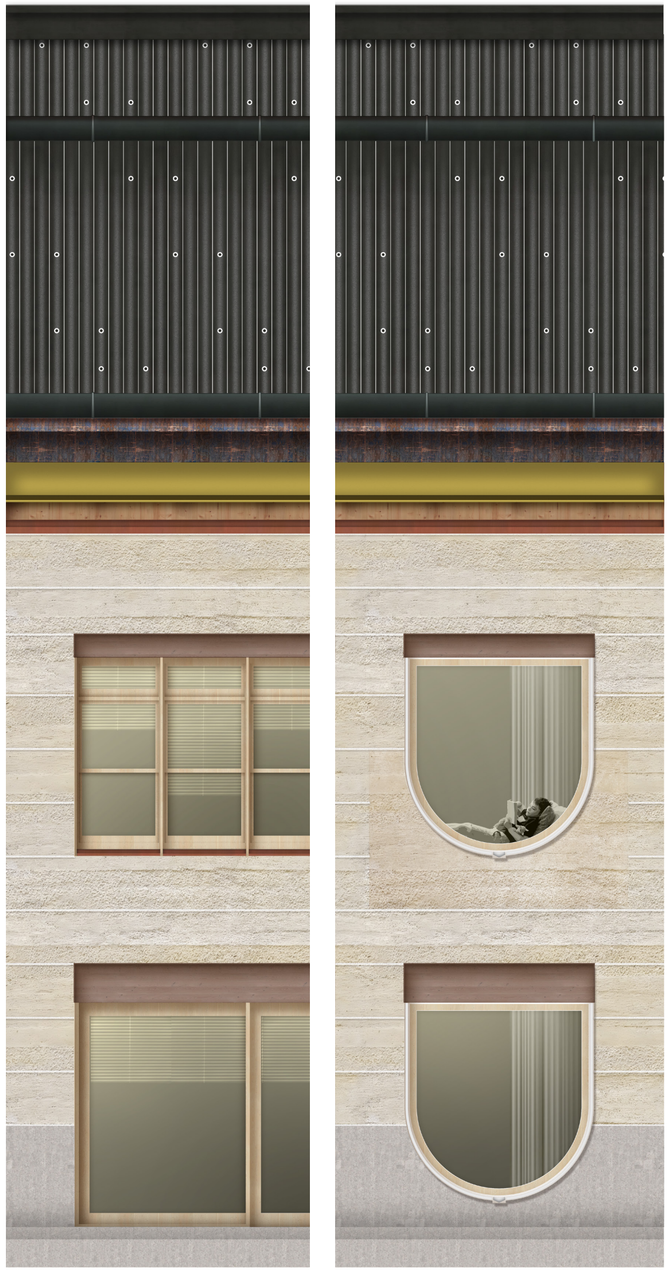


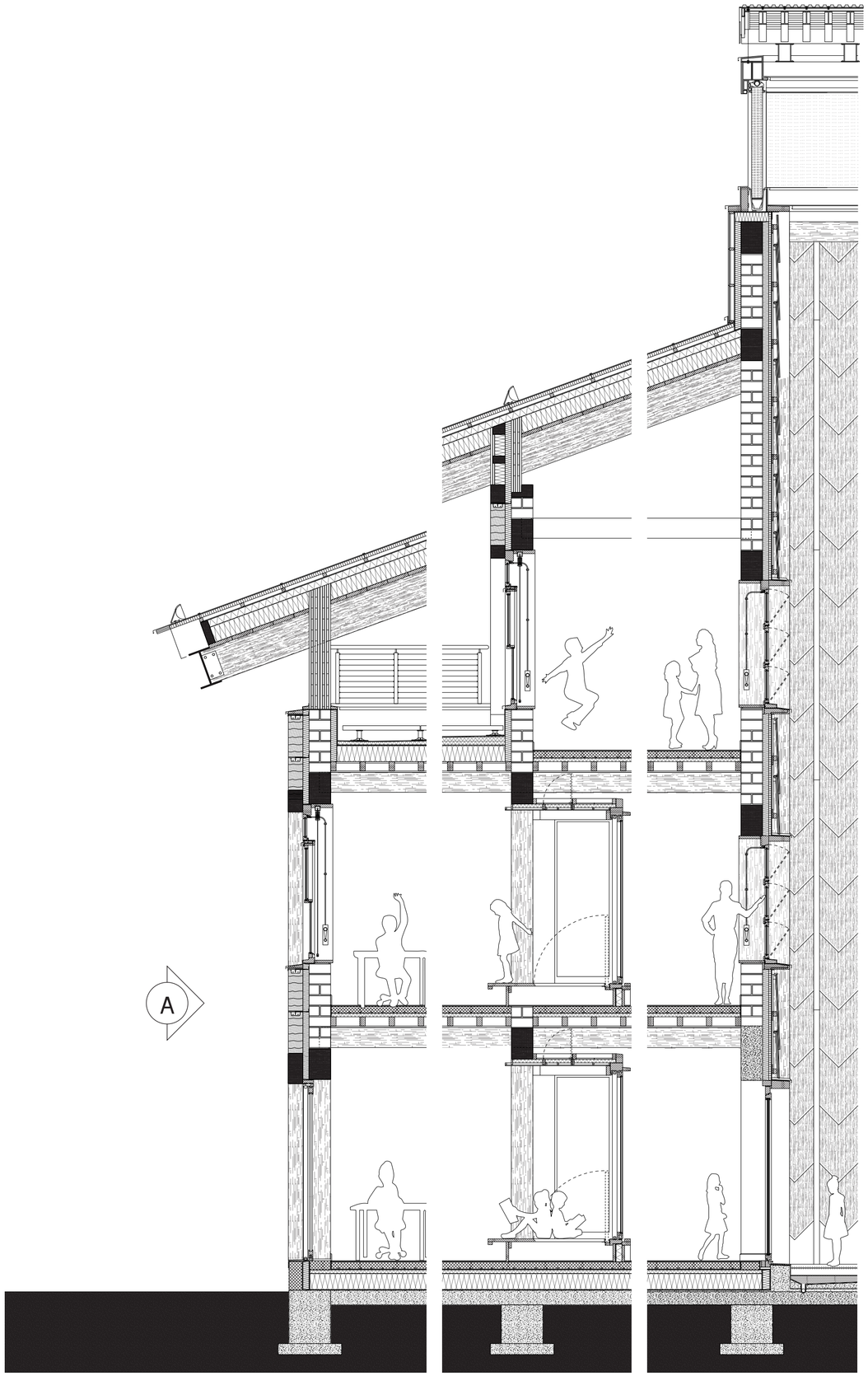


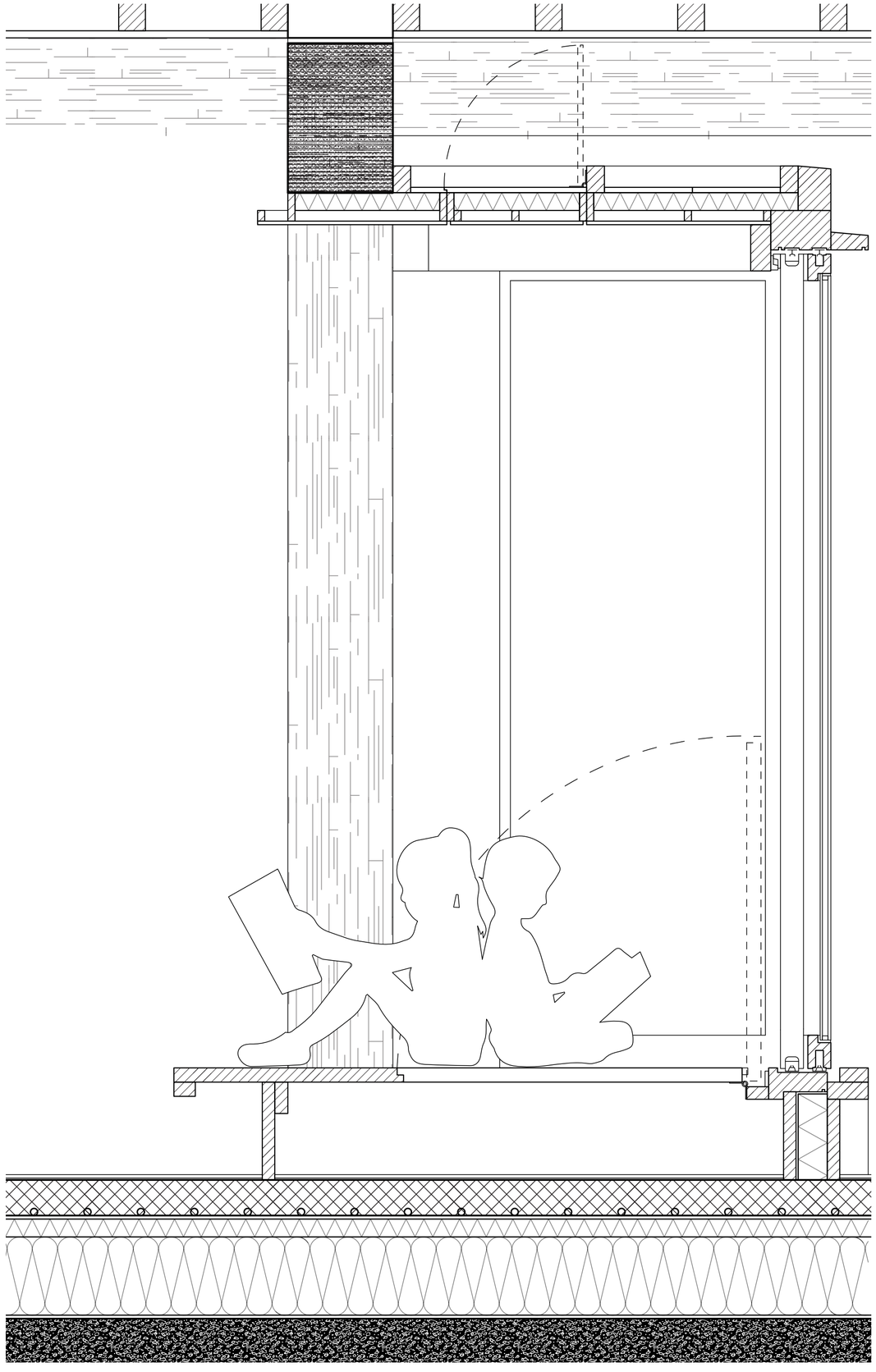


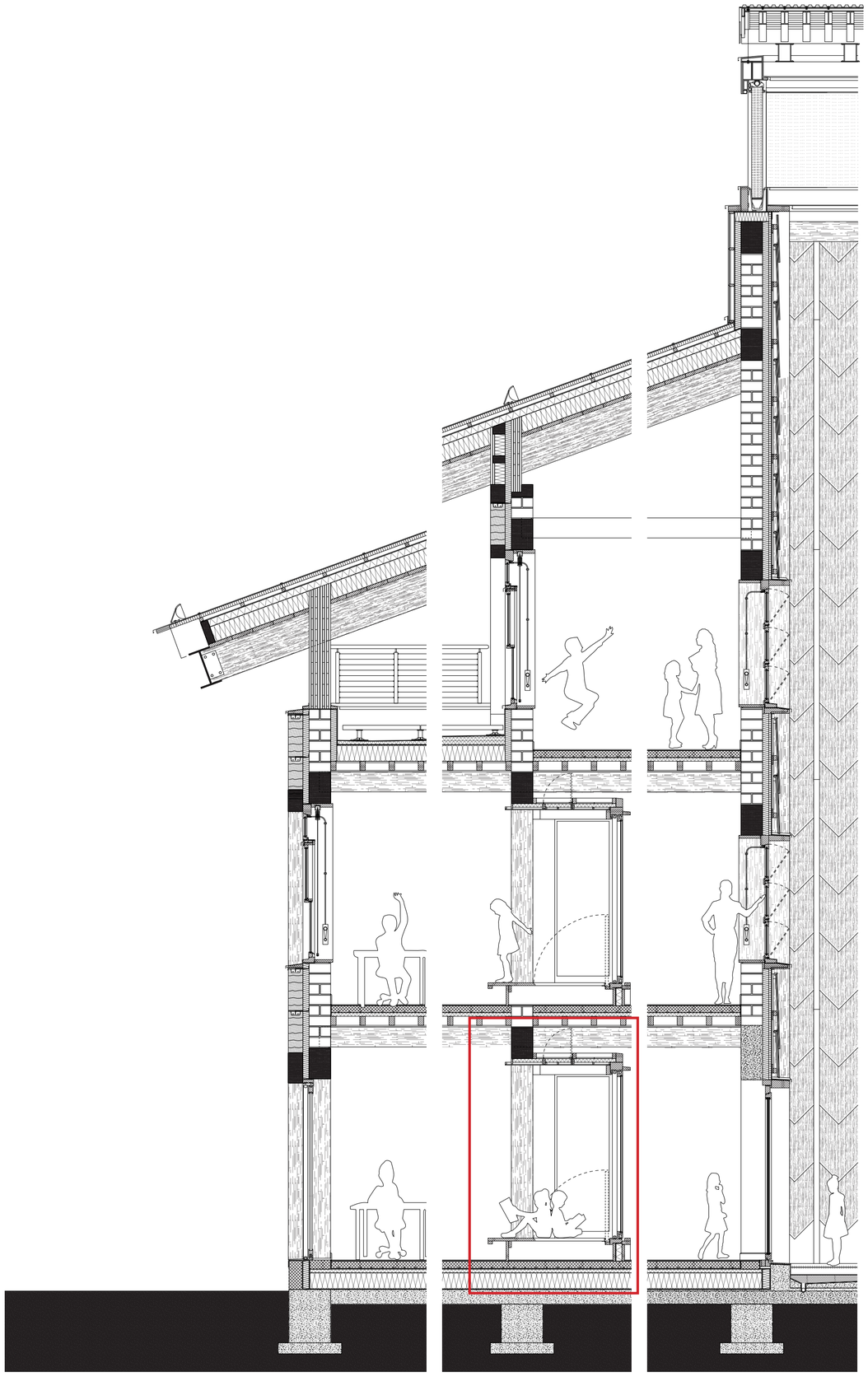
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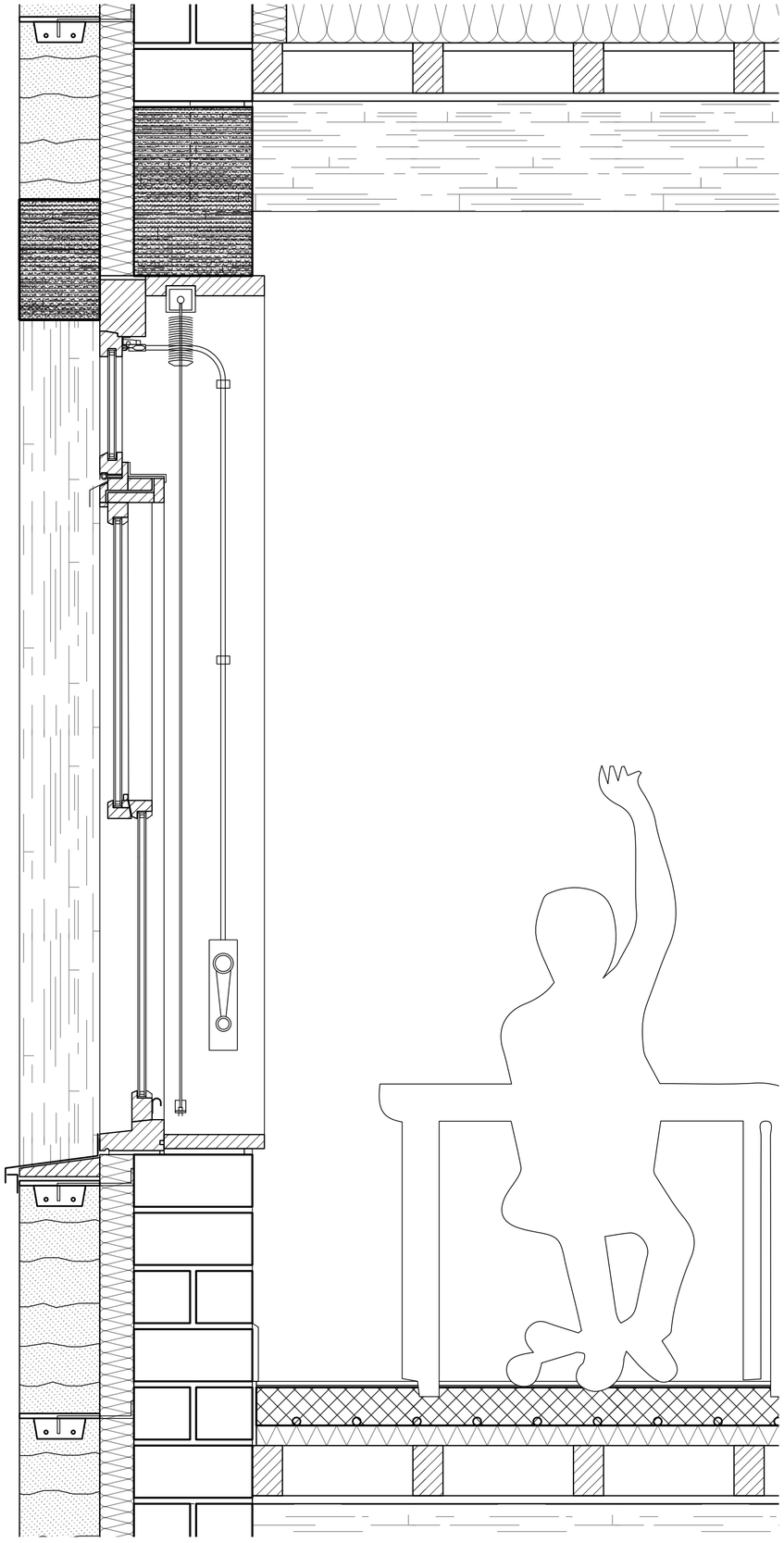
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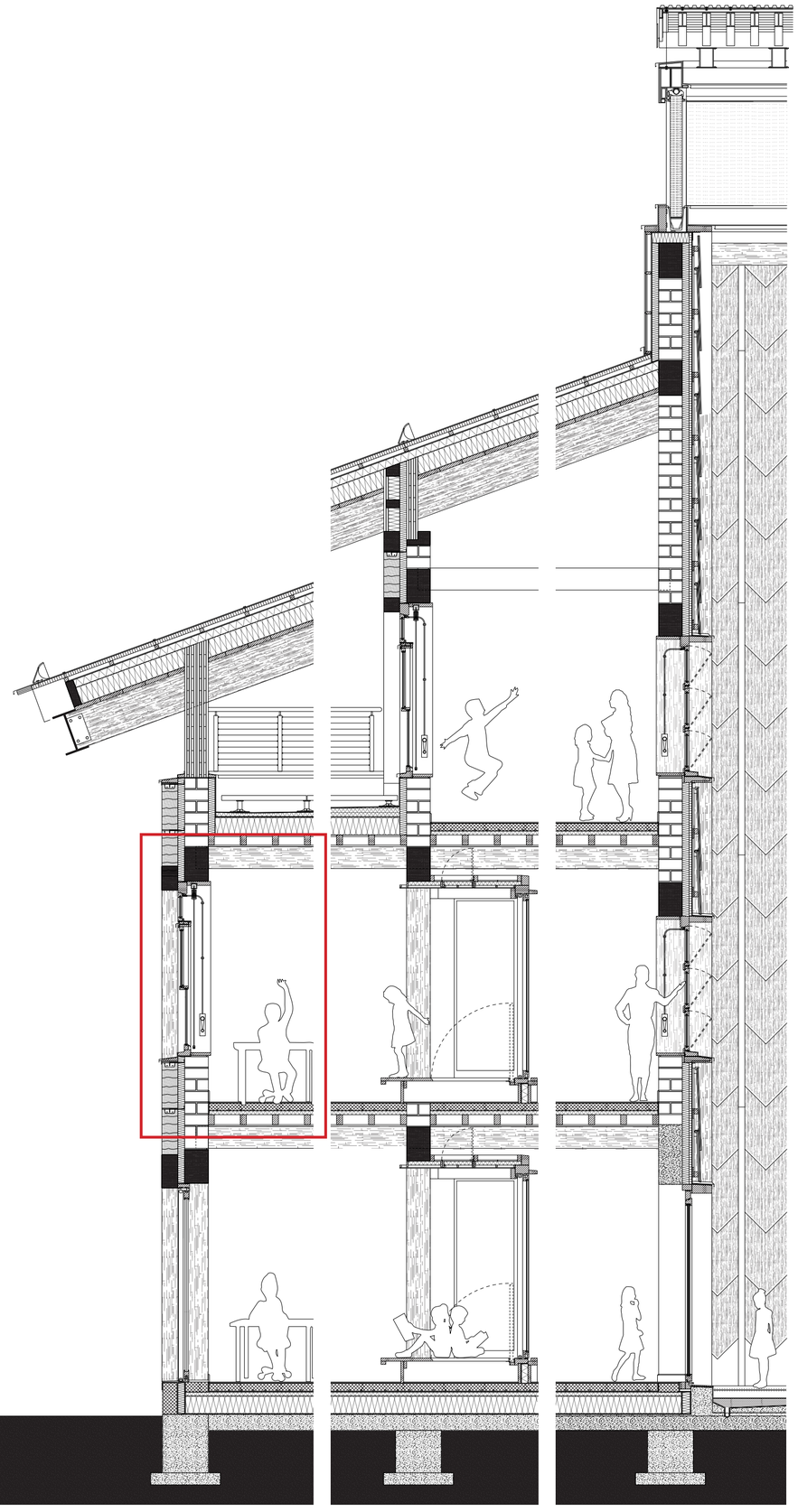


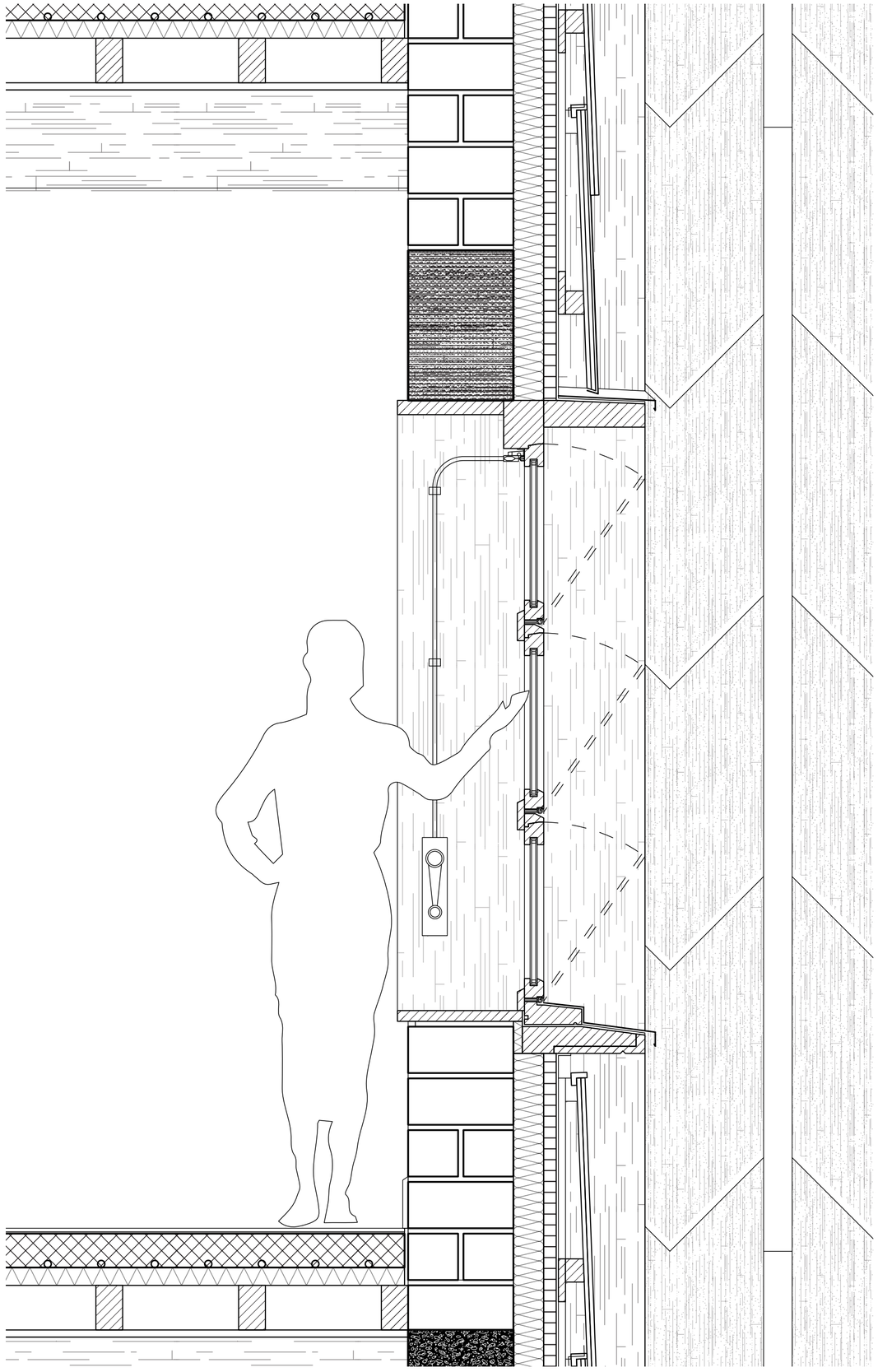


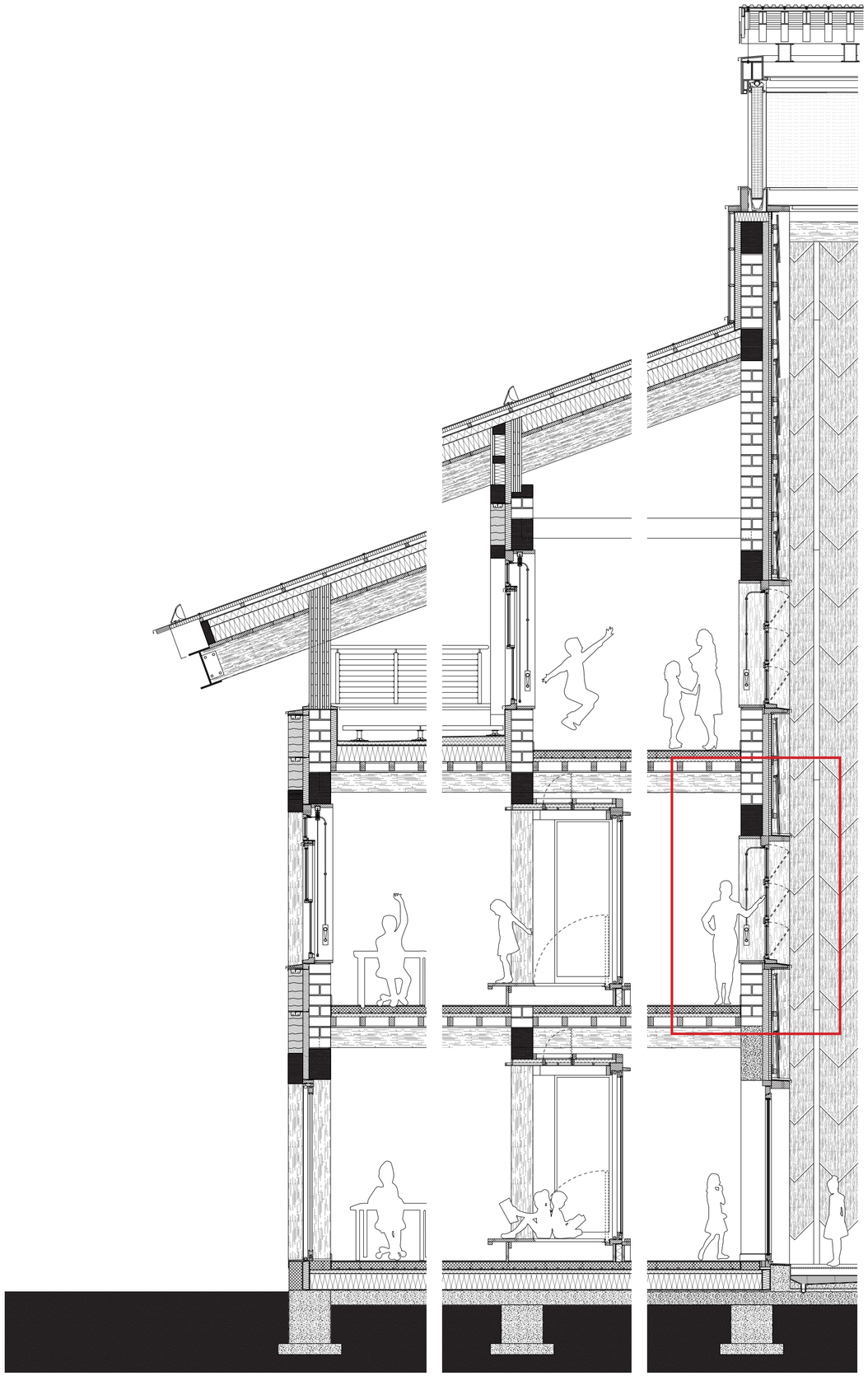














Elevation C 1:50




Amano 天野
Nagi 凪
S2
Rue Friche
S3 Storm
S4 Nagi shelter Amano
S5 Amano tells Nagi how to build a school / playground for him
S6 School + Amano partially take part in the school
S7 Protest + Nagi burial
S8 Amano asks for help from the spirits, his classmates help instead
S9
Design →
Passage of Wind