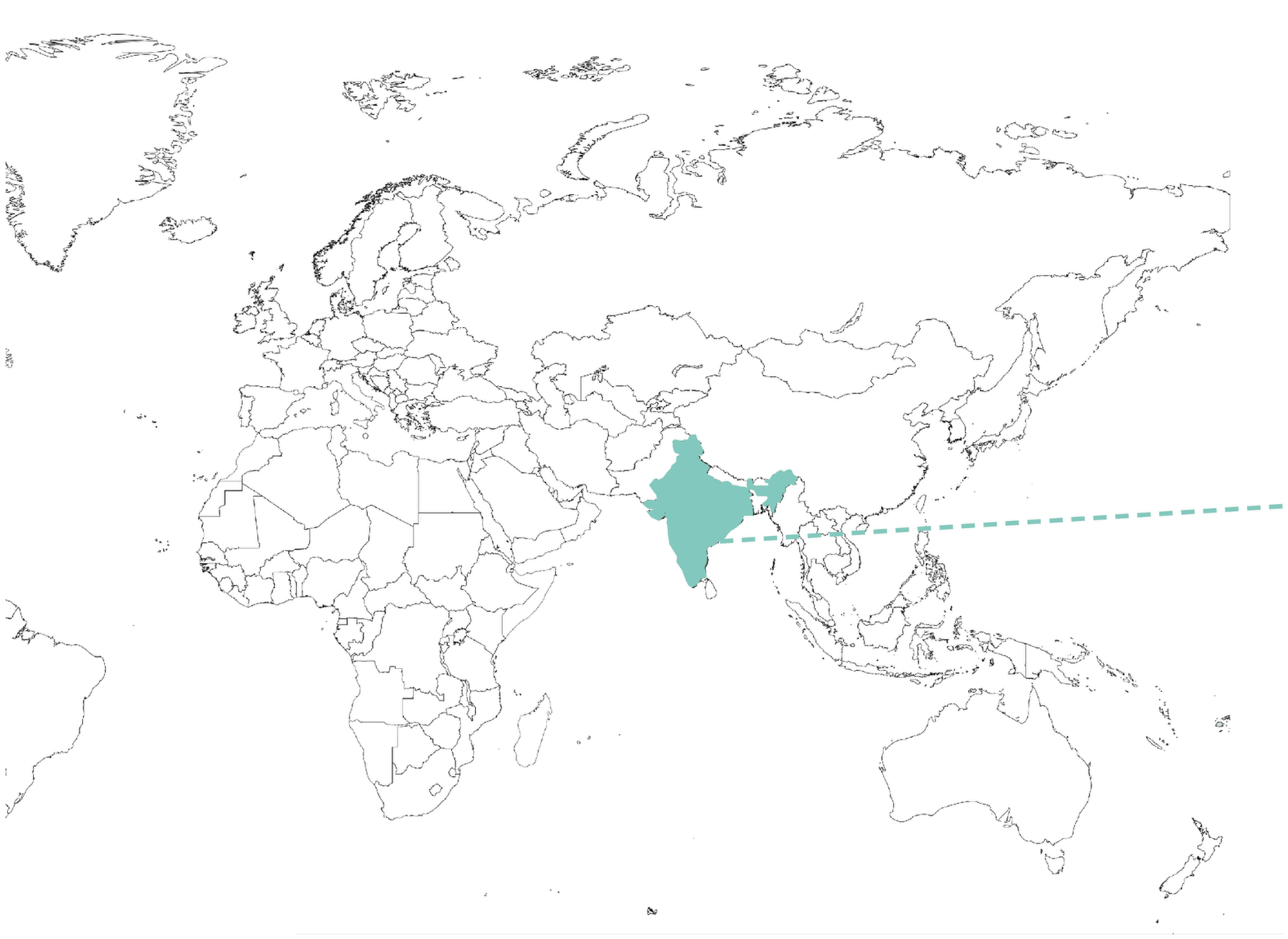
Global Housing 2025-2026

Connecting edges

alice Wills

Ruveyda Han

Introduction Site





Location analysis



Connecting edges

Calico Mills

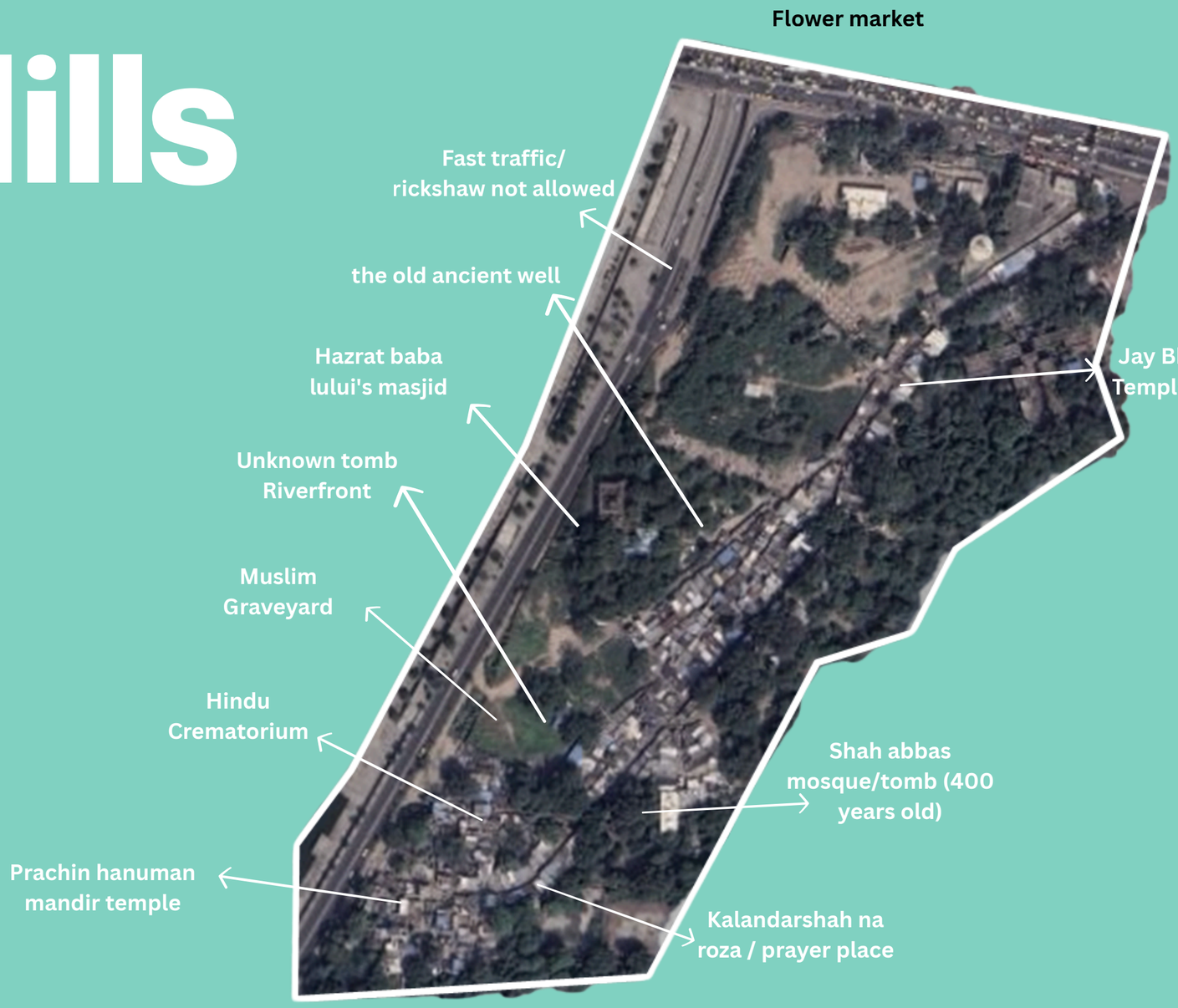
Open

Ahmedabad, India

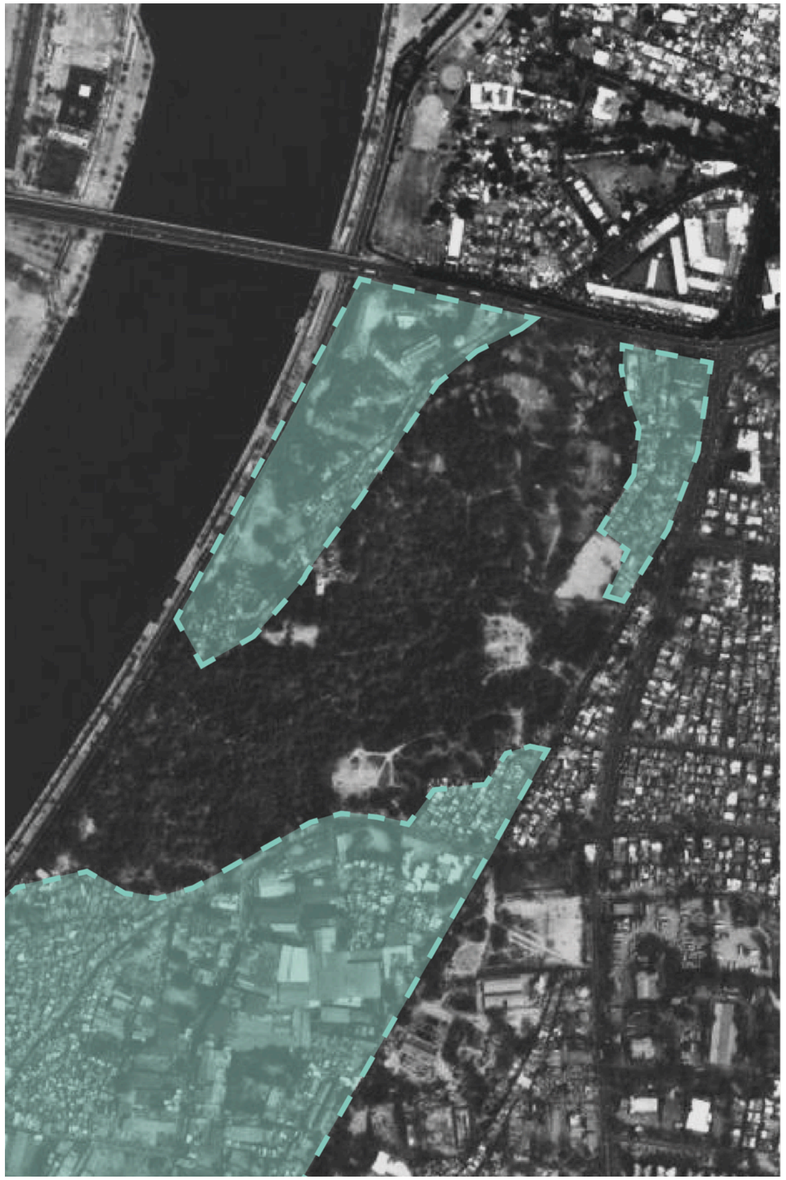
+ 6,000 residents

+ 1,200 Settlements

+ 80 years of settlements



Location analysis

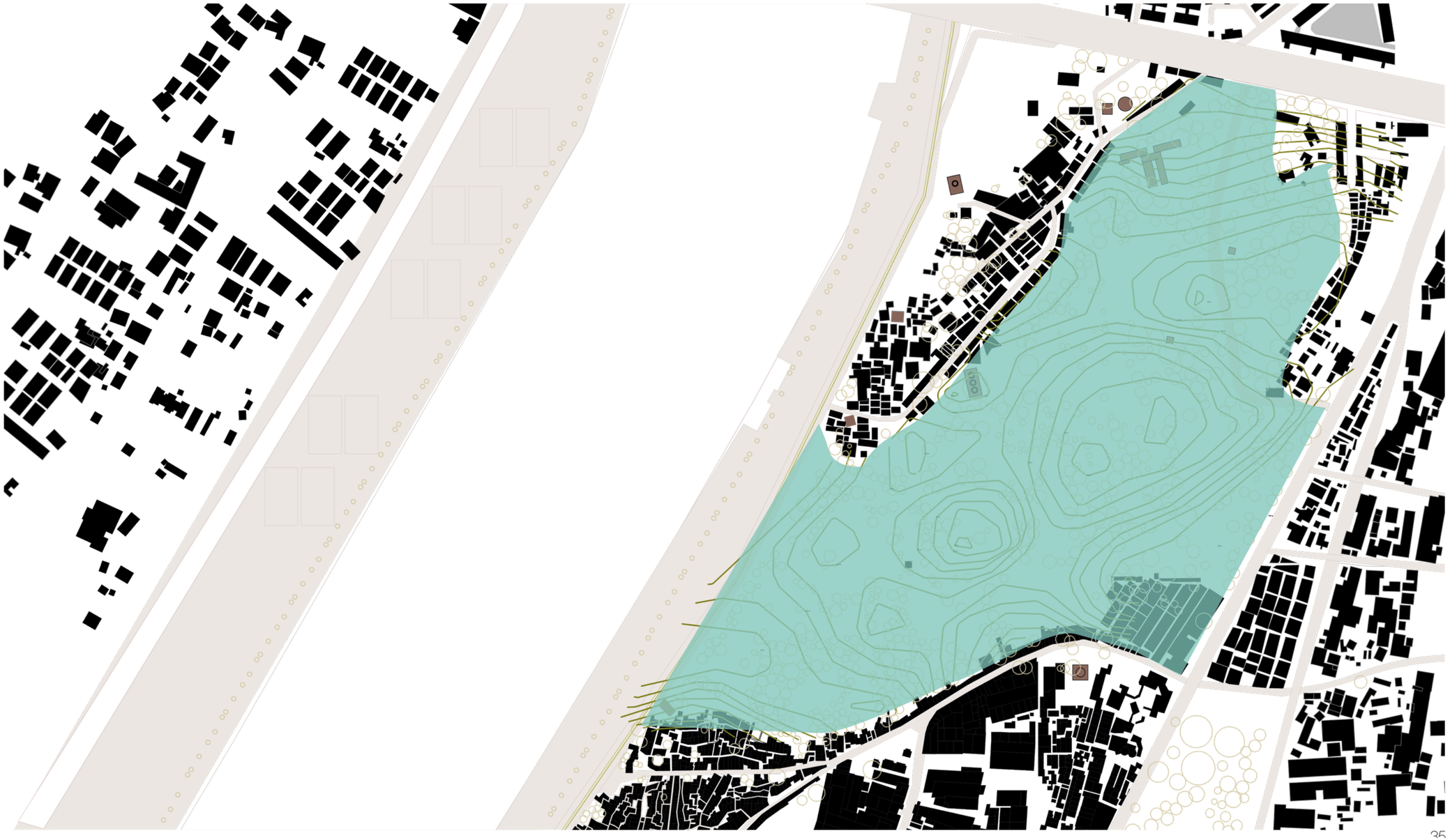




Calico Mills
The total site

1: 3000
250.000 m2

N



Calico Mills

Traffic | Main roads

1: 3000

250.000 m2

N





Calico Mills

Traffic |

Secondary roads

1: 3000
250.000 m2

N



Calico Mills
Neighborhoods

1: 3000
250.000 m2

N





Calico Mills

Section through the site

1: 3000

N

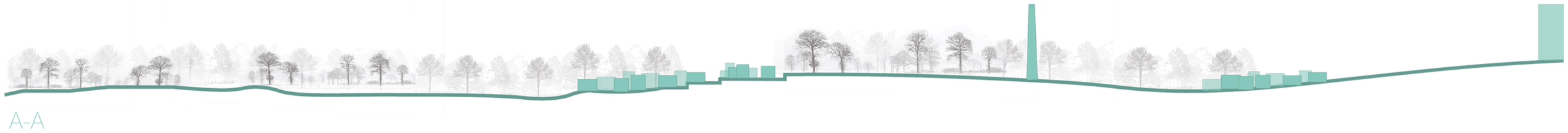


Calico Mills

Section through the site

1: 3000

N



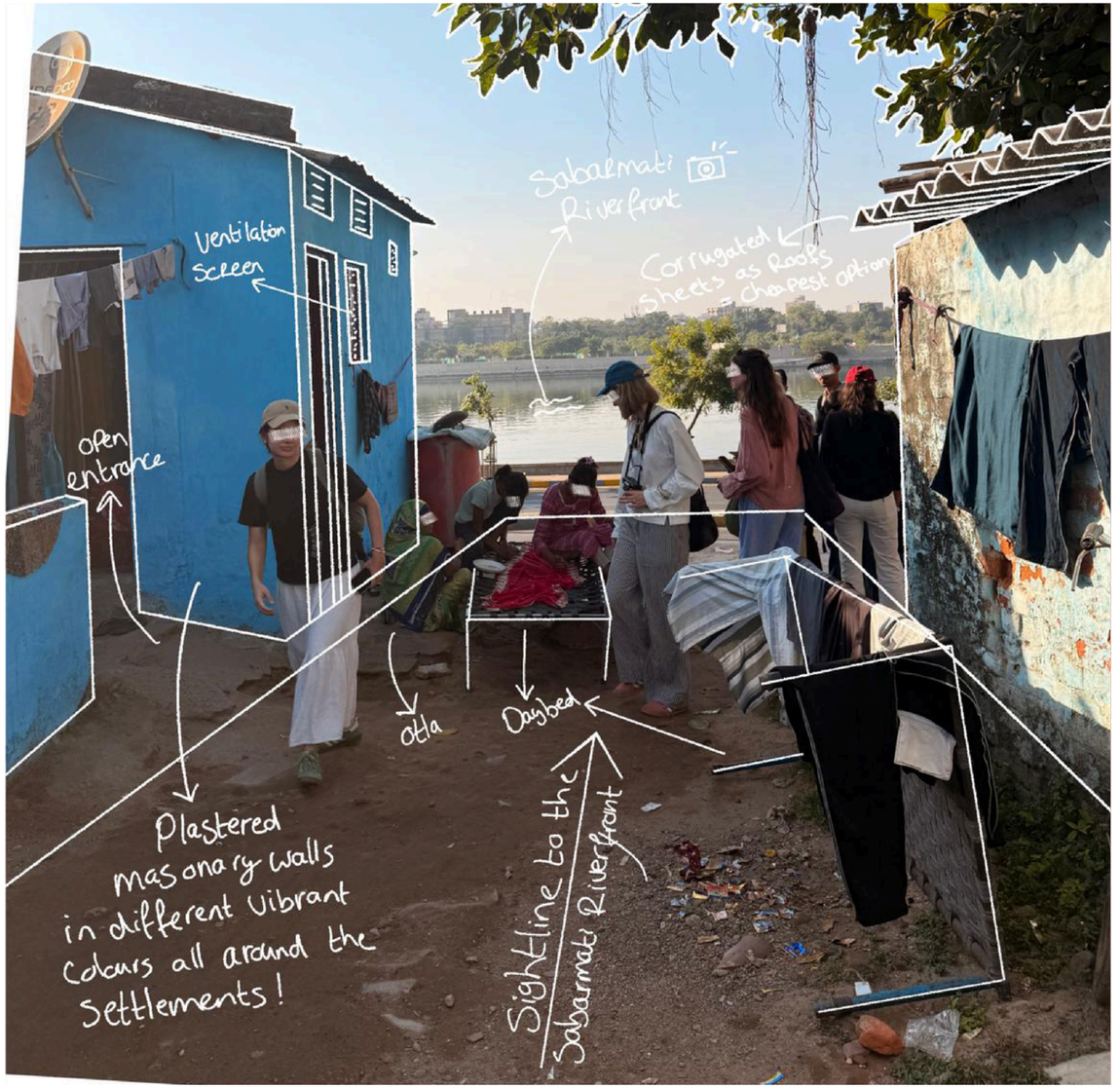
A-A

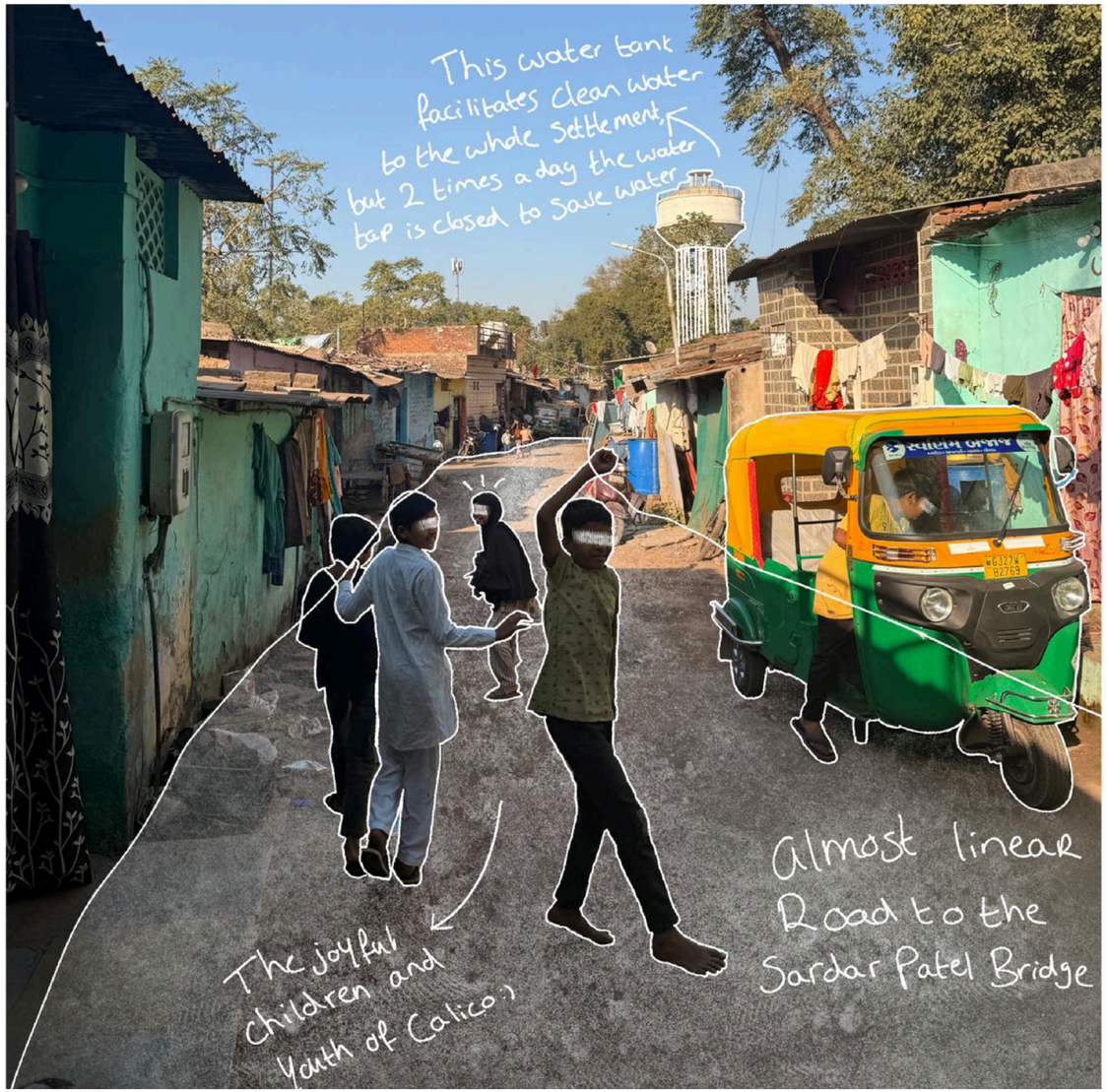


B-B

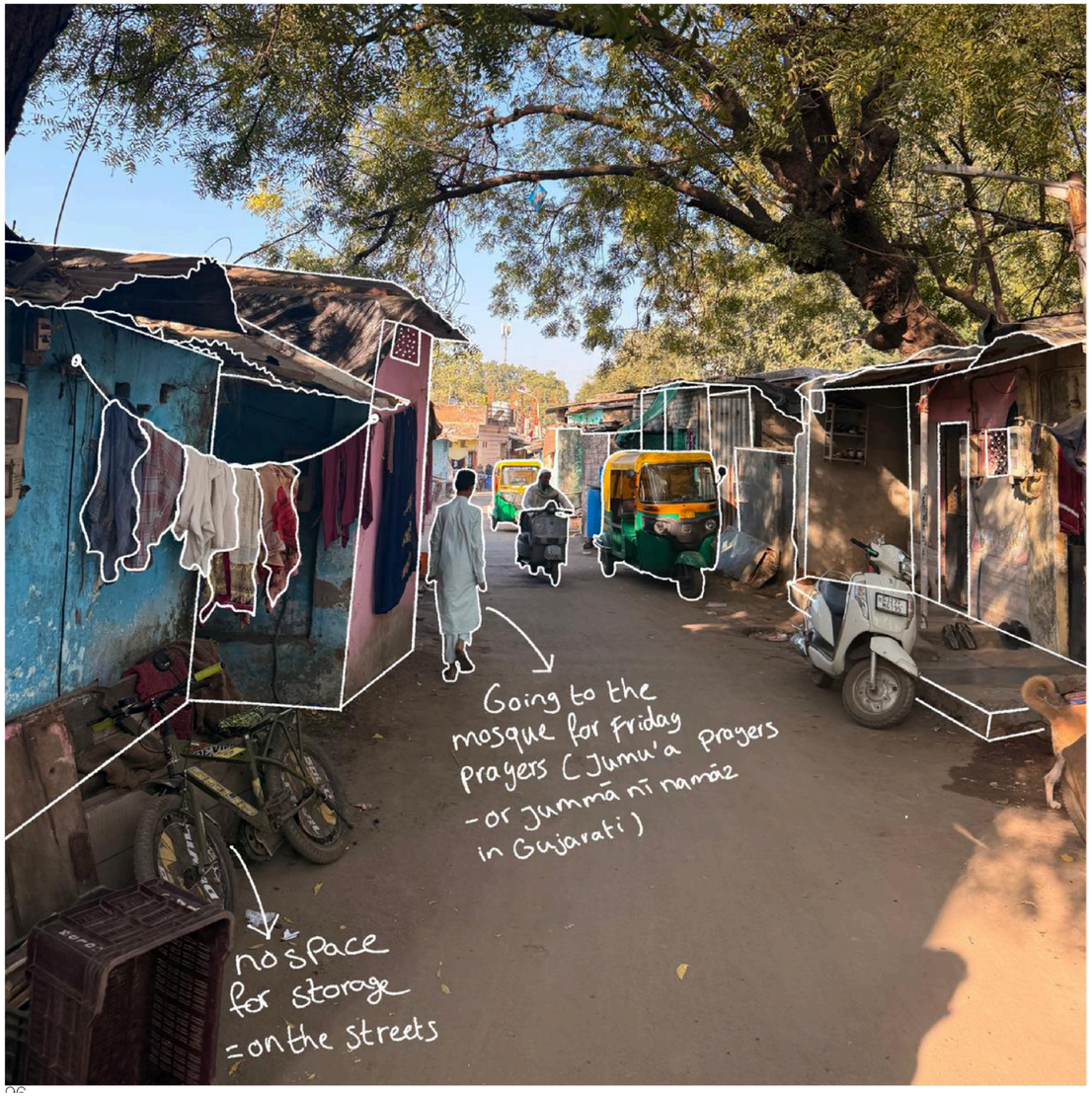



Courtyard
Toilets
Daybed
Load bearing masonary wall
Otla
Height difference Riverfront → Calico


Ventilation screen
Sabarmati Riverfront
Corrugated Sheets as Roofs = cheapest option
open entrance
Otla
Daybed
Plastered masonary walls in different vibrant colours all around the Settlements!
Sightline to the Sabarmati Riverfront


This water tank facilitates clean water to the whole settlement, but 2 times a day the water tap is closed to save water
Almost linear Road to the Sardar Patel Bridge
The joyful children and Youth of Calico


Staggering Volumes
Plastered Brick wall
Multiple balconies
G+2
Otla


Going to the mosque for Friday prayers (Jumu'a prayers - or Jummā nī namāz in Gujarati)
no space for storage = on the streets


The calico residents have a very fond bond with different animals (a lot of different pets!)
Raised entrance to the dwelling because of the floods, which automatically creates a distinctive otla


tree kept inside the house!
786


Wooden storage box used as bed


6000
RESIDENTS
CALICO MILLS
1200
SETTLEMENTS
DISCONNECTION TO MAIN ROADS
Water tank supply for the whole settlement
HISTORICALLY RICH ENVIRONMENT
GRAVEYARDS
80 Years of settlement after working there
NO PUBLIC SPACE
HUMAN & NATURE RELATIONSHIPS

No public space

Fragmented plot

No playground

Limited water supply

Safety children

Problem statement

no space for activities

Detached from the city

Mosaic of socially and spatially segregated elements

Environmental challenges

“How can mixing different income groups and housing typologies operate as a spacial and social mediator to reconnect fragmented sites and nature into a cohesive urban fabric in the Calico Mill neighbourhood?”

Fieldwork

Location analysis







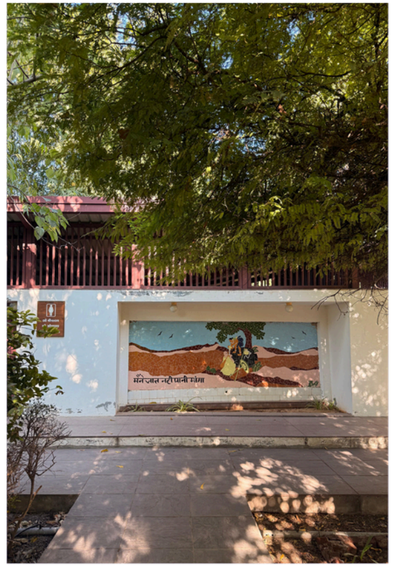




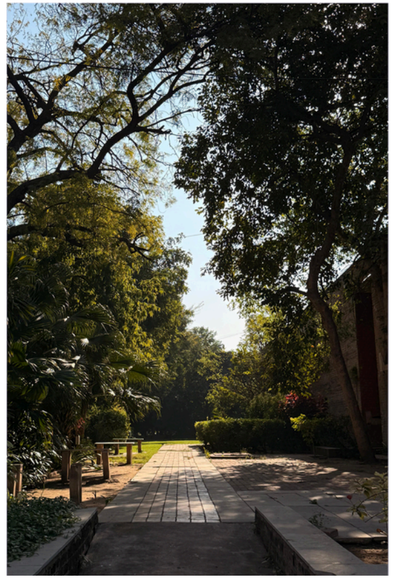
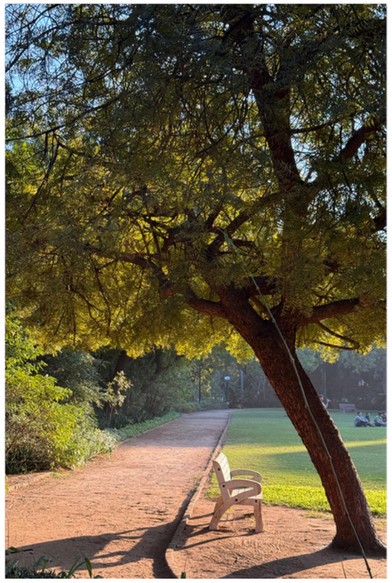


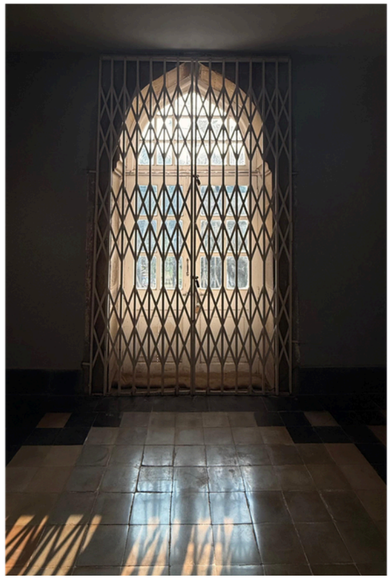


Location analysis

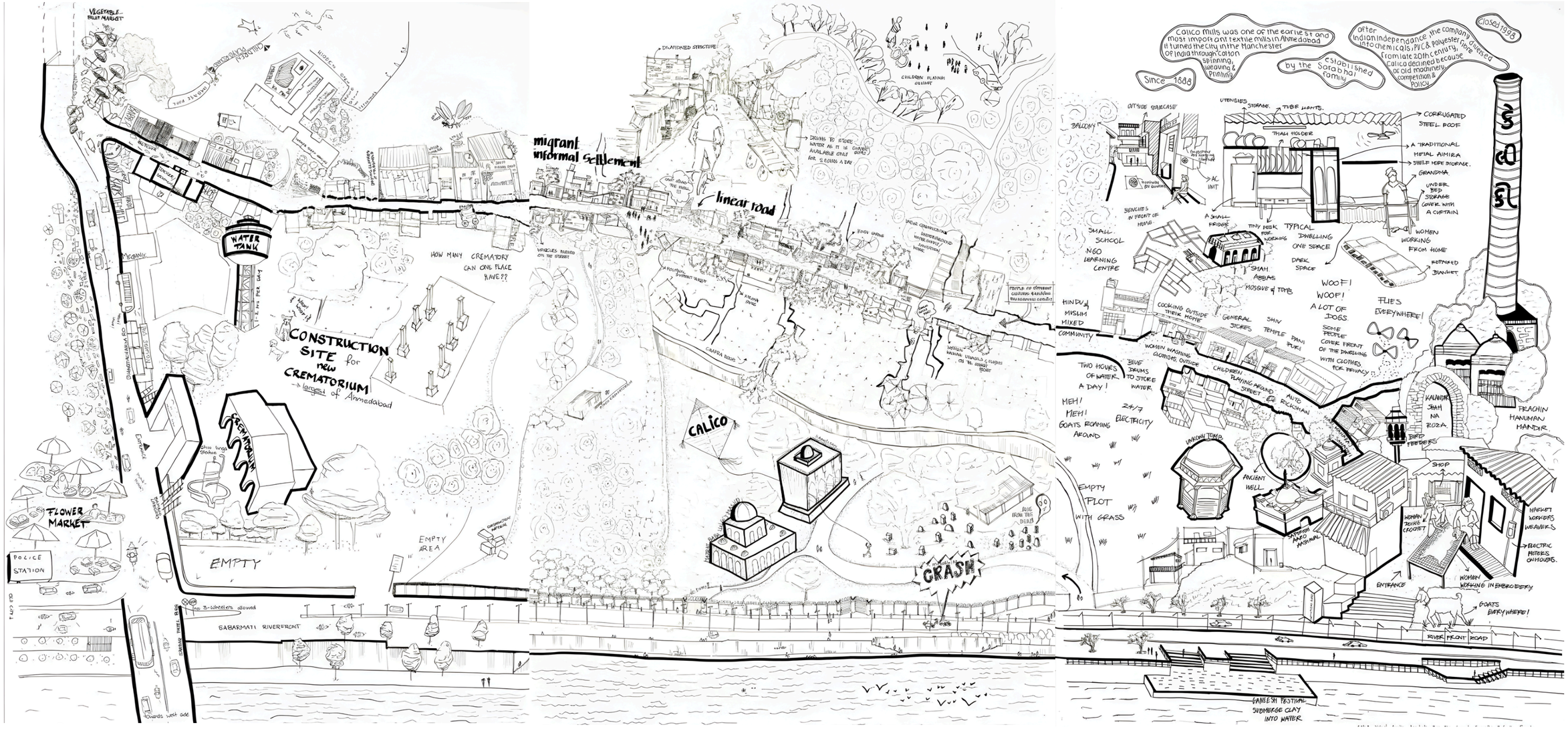







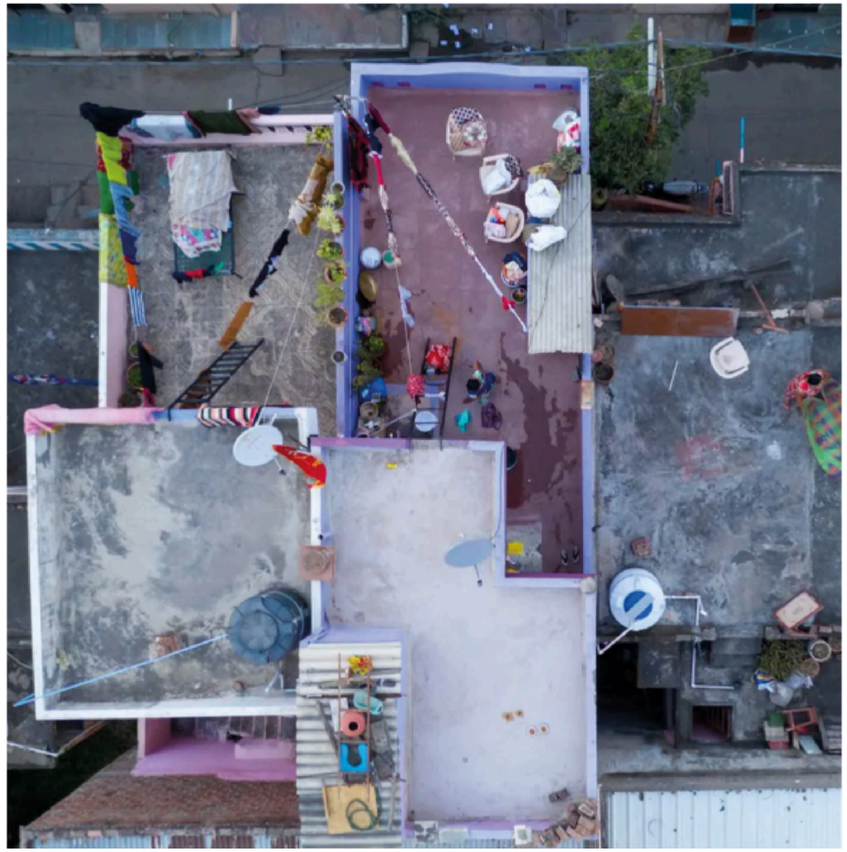
CEPT analysis



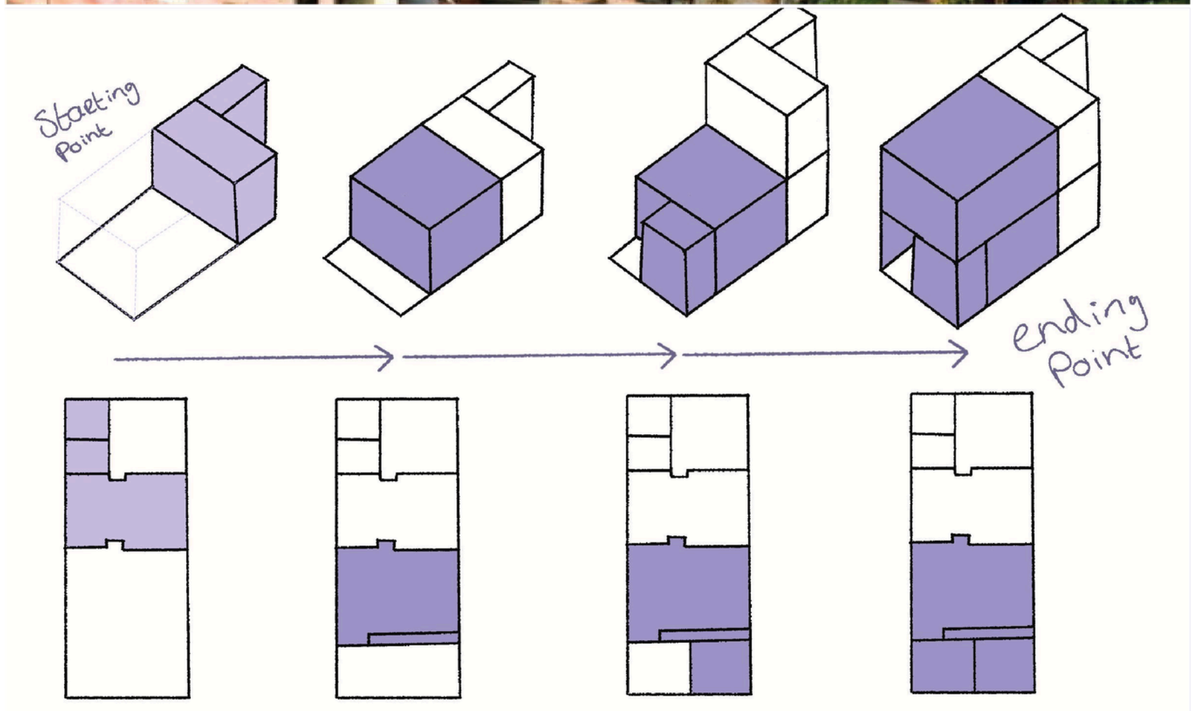
Case studies

Aranya Housing

ews units



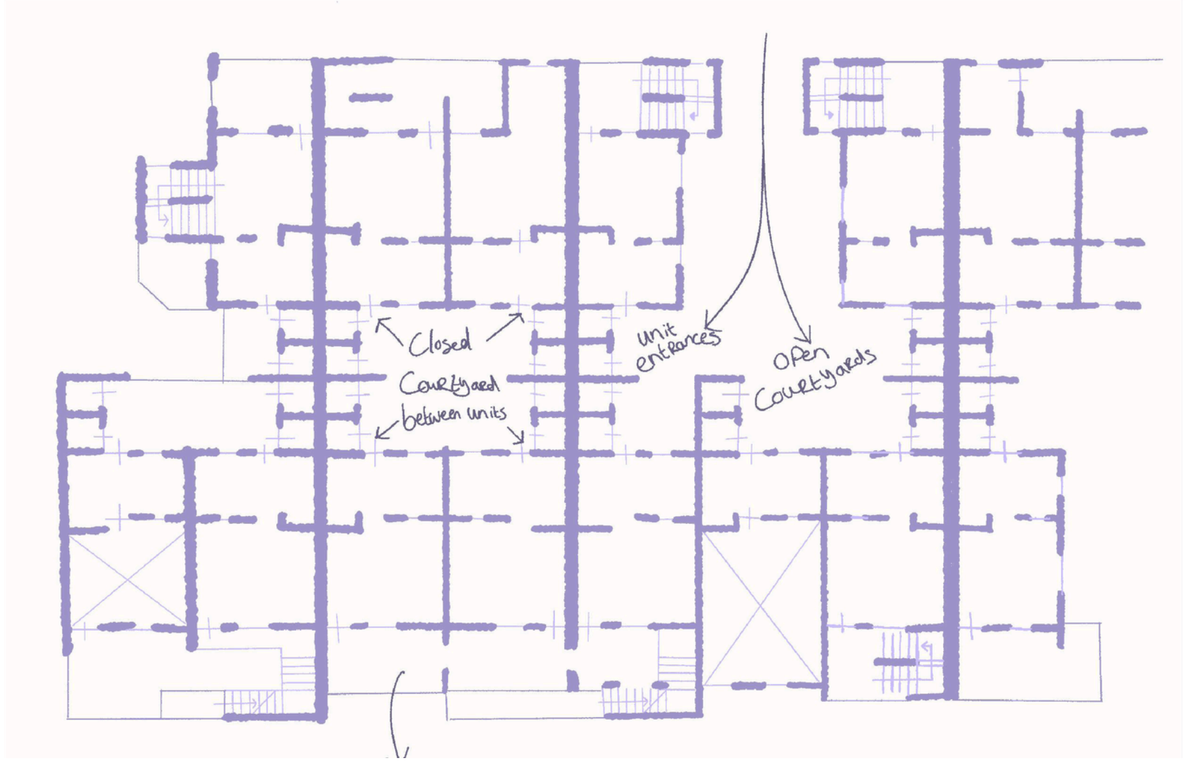



Staeting Point
ending Point







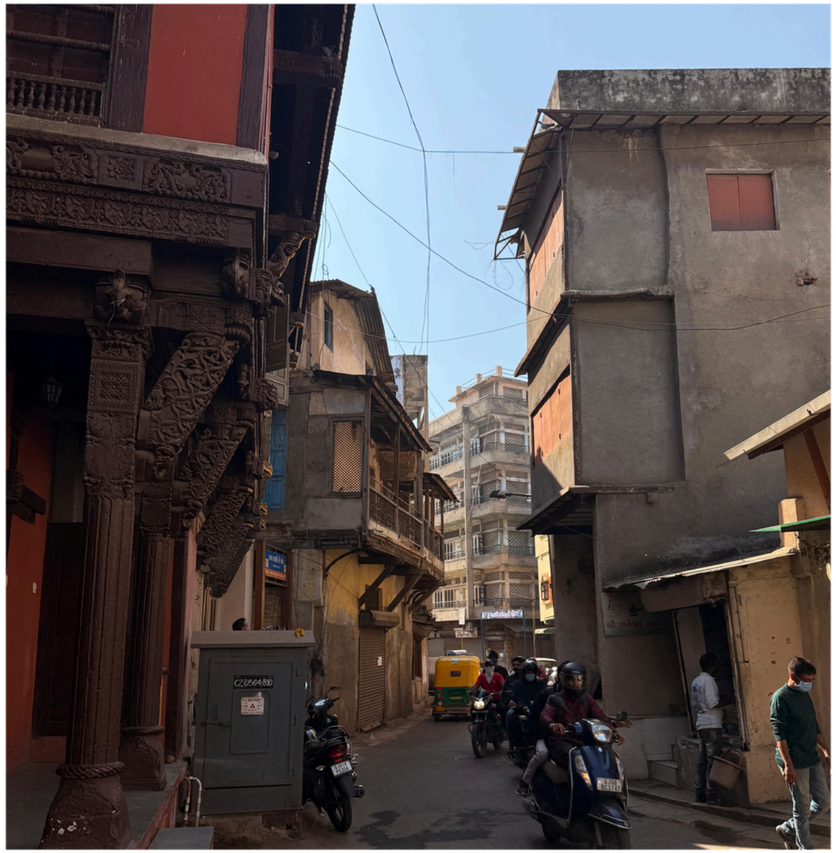

Closed
Courtyard
between units
unit
entrances
Open
Courtyards


22
24
24


22

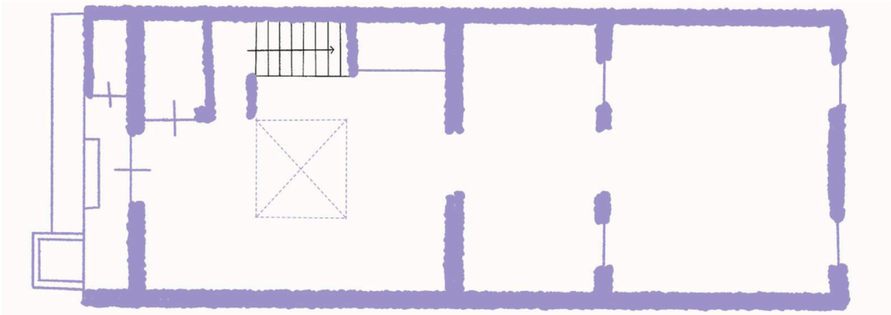
Pol Housing

Street









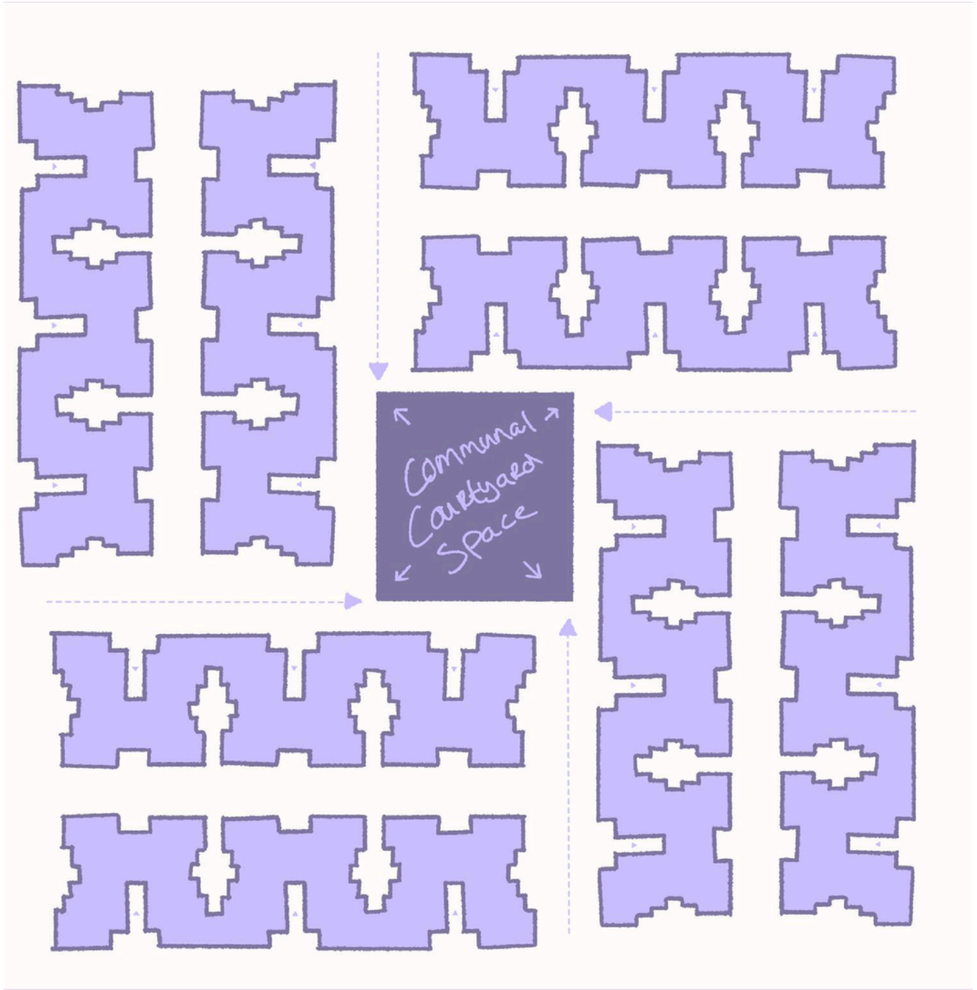


Sola Road

Cluster scale

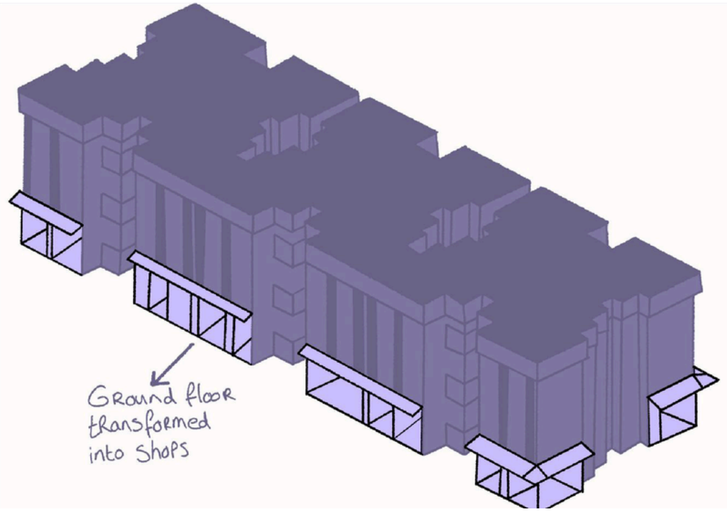





Communal Courtyard Space



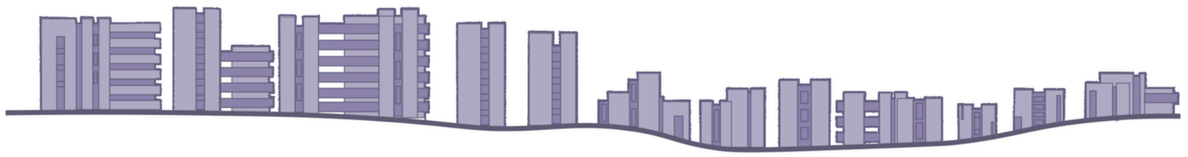

મિહિર ફેબ્રીક


Ground floor transformed into shops

Bofill- The veil & Sol Resort

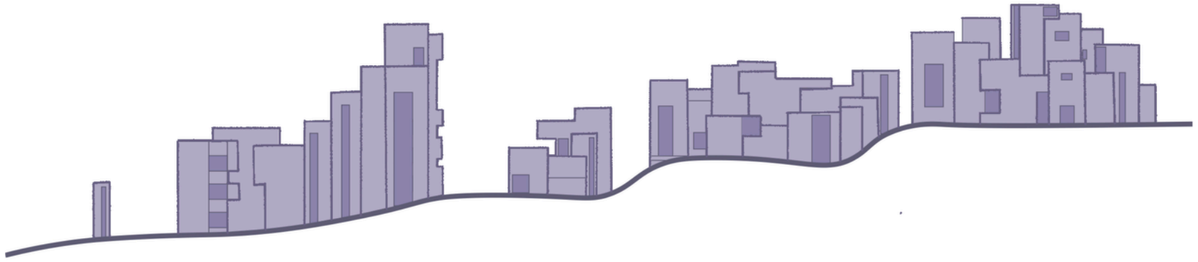
Tower scape / Landscape








Central Core
Open Spaces
Staggering Units + Terraces

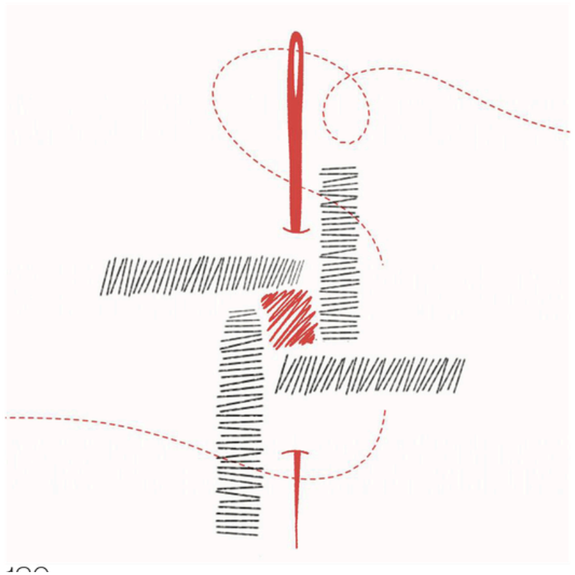


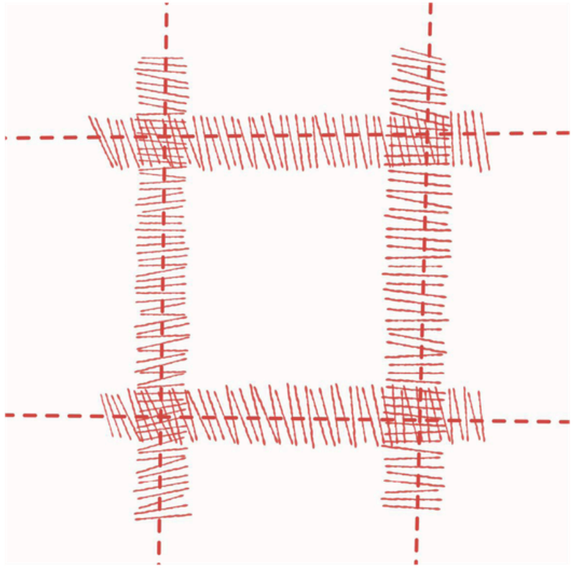


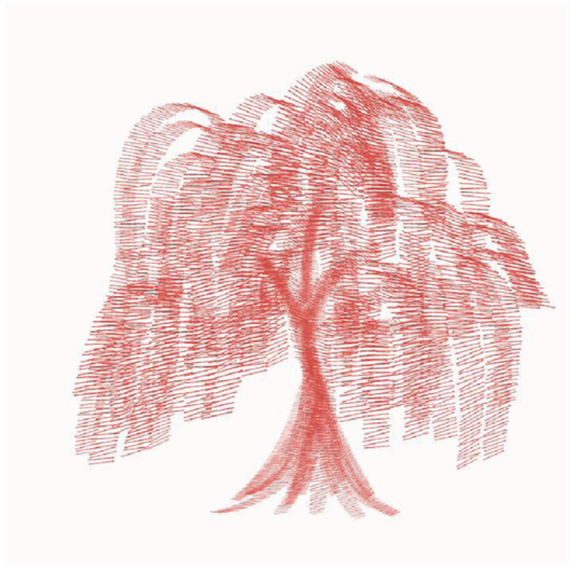


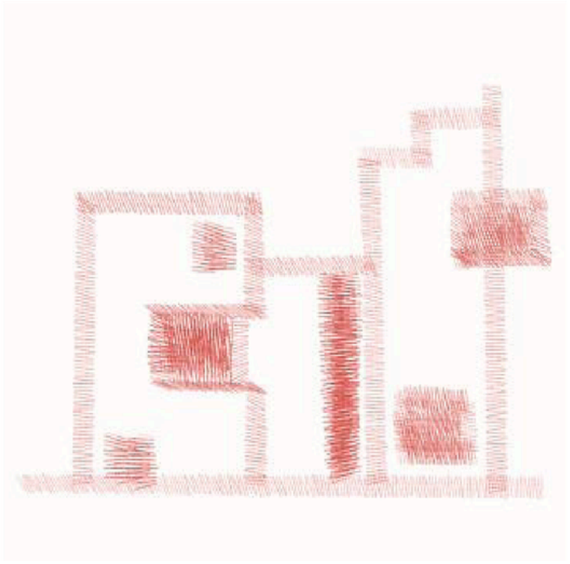


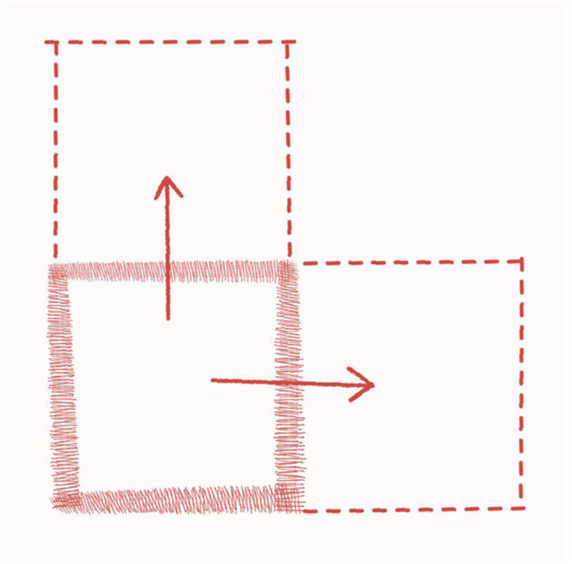
Design











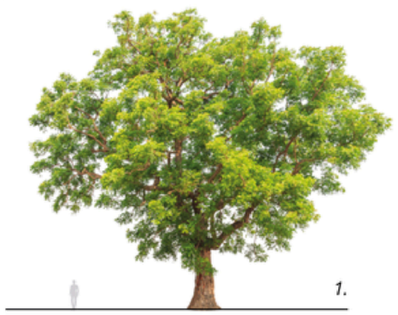


Calico Mills

Tree Analysis with different vegetations on the site

1: 3000

N



20 m







A cacia catechu
Growth rate: 8 to 15 meters
Blooming: Spring
Exposure: Full sun
Water: Every 2 weeks



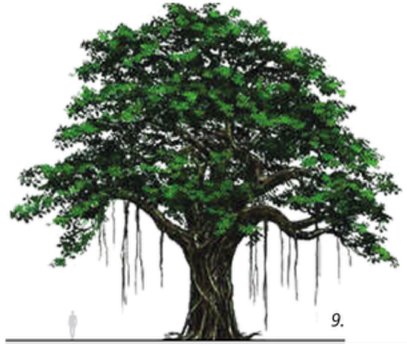


Melia azadarach
Growth rate: 9 to 12 meters
Blooming: Summer
Exposure: Full sun
Water: Moderate



8 m





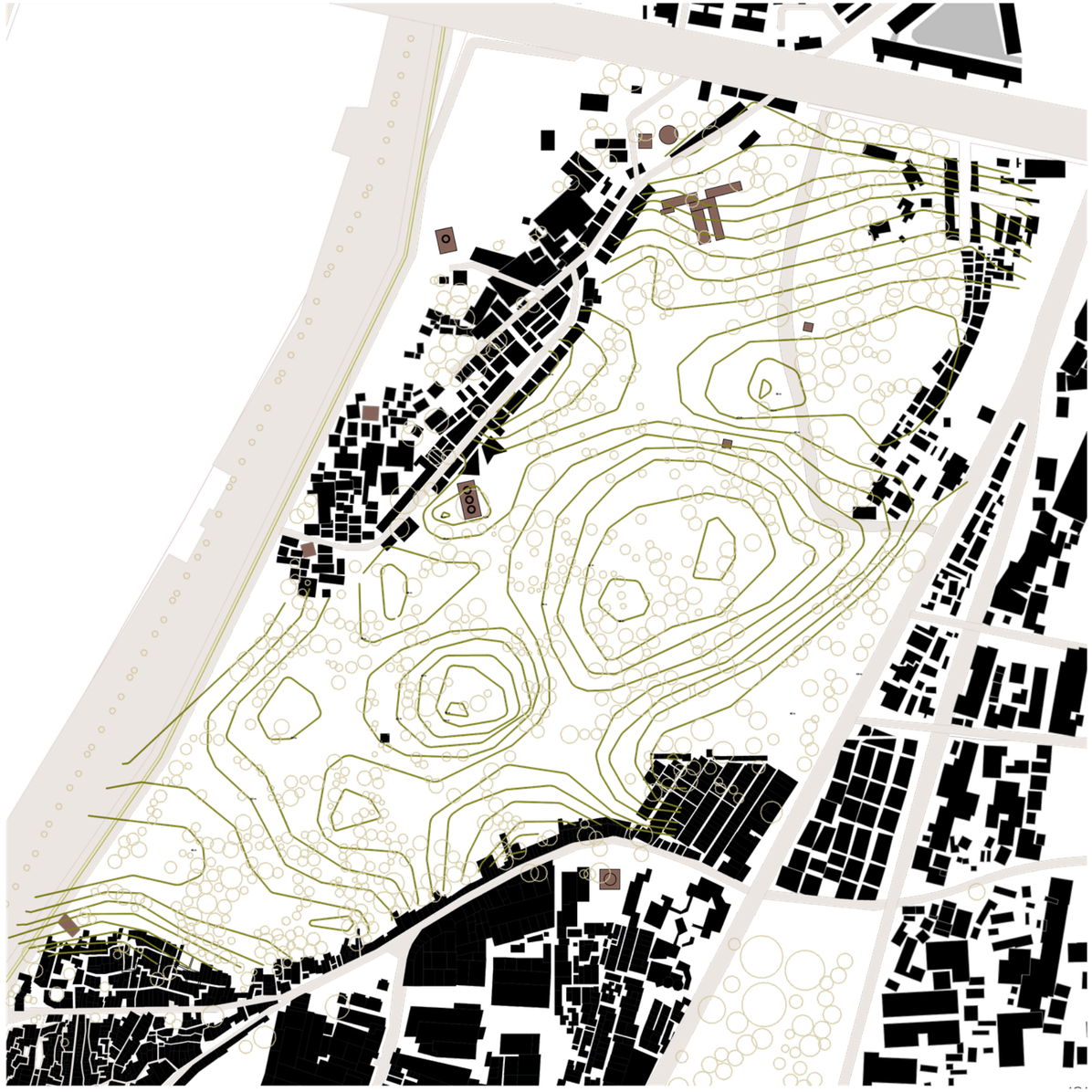
24 m







Ficus religiosa
Growth rate: 18 to 30 meters
Blooming: Winter
Exposure: Full/partical sun
Water: Average



5 x 5 Meter Grid

North oriented

1: 3000

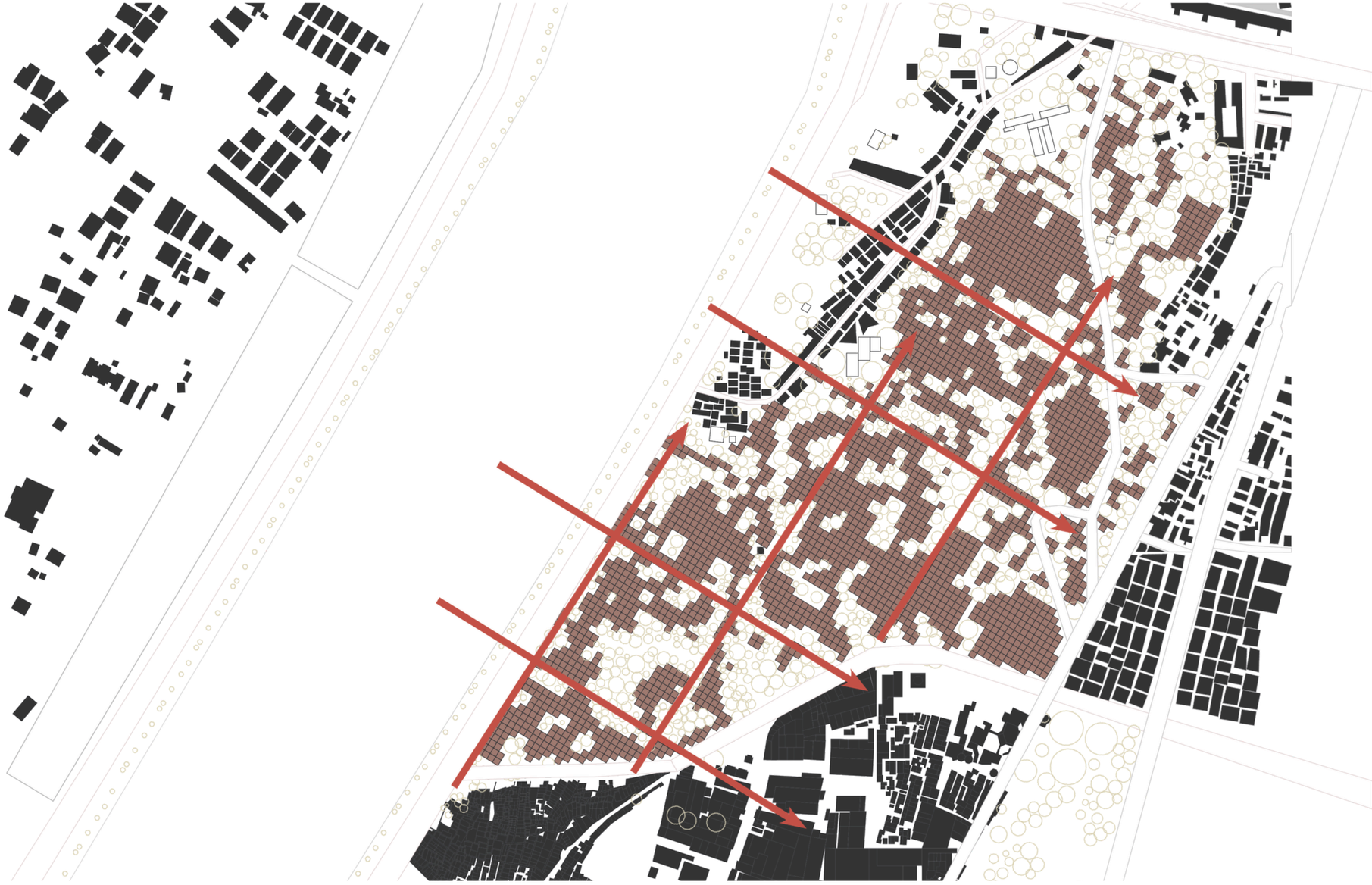
N



5 x 5 Meter Grid
Riverfront oriented

1: 3000

N



Manegerial Strategy

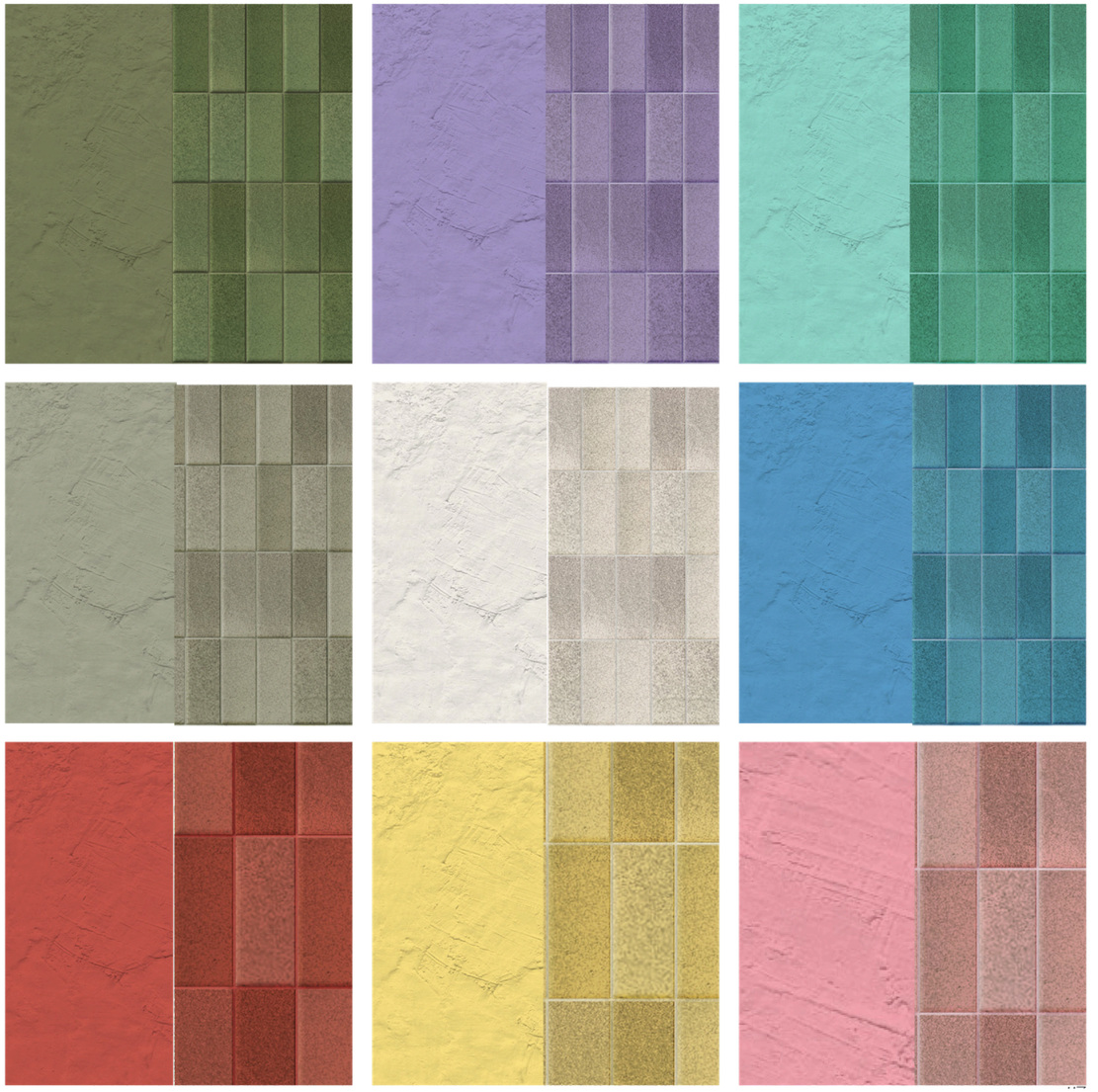
Building phases

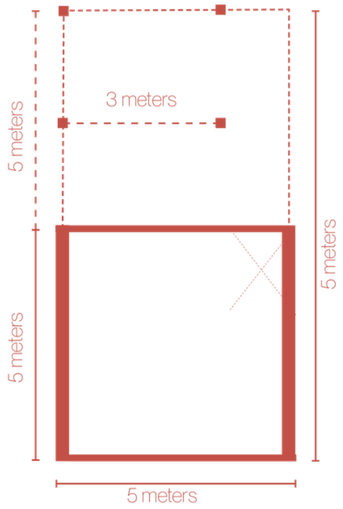
1: 3000

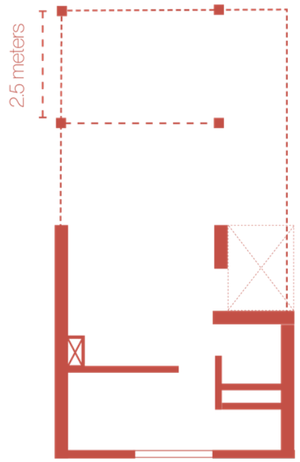
N

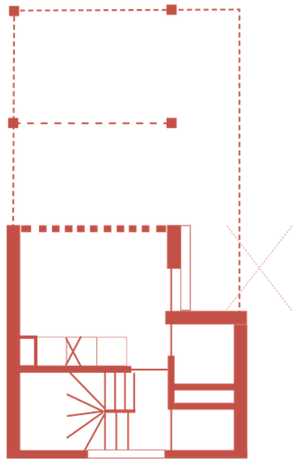


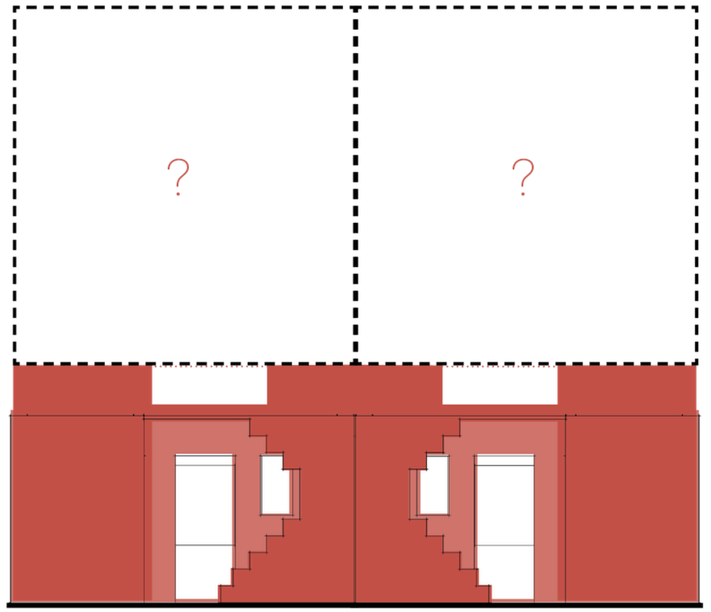

मा पापकान
काटने कन्दी




3 meters
5 meters
5 meters
5 meters
5 meters


2.5 meters

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Lower Icome Housing

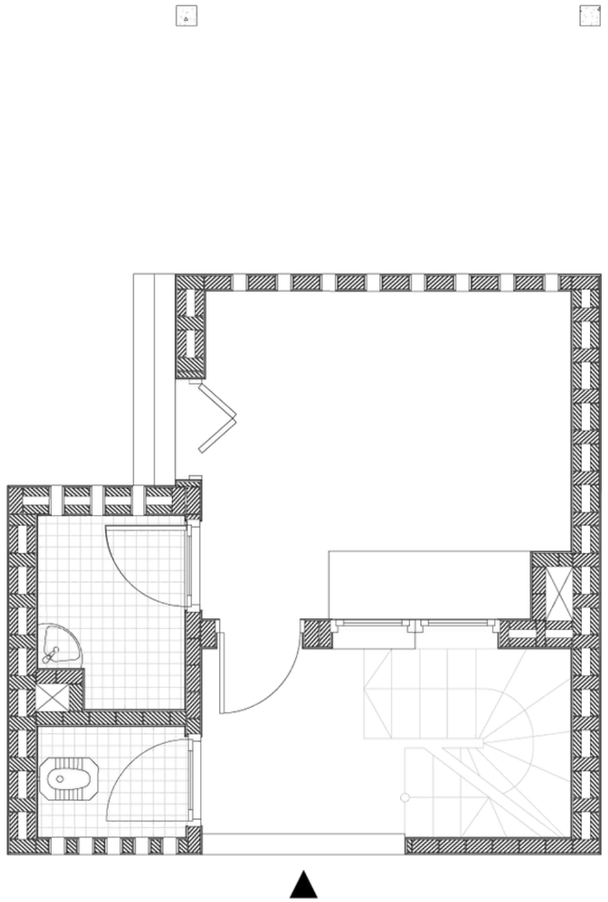
Built up block

1: 100

Lower Icome Housing

Built up block

1: 100



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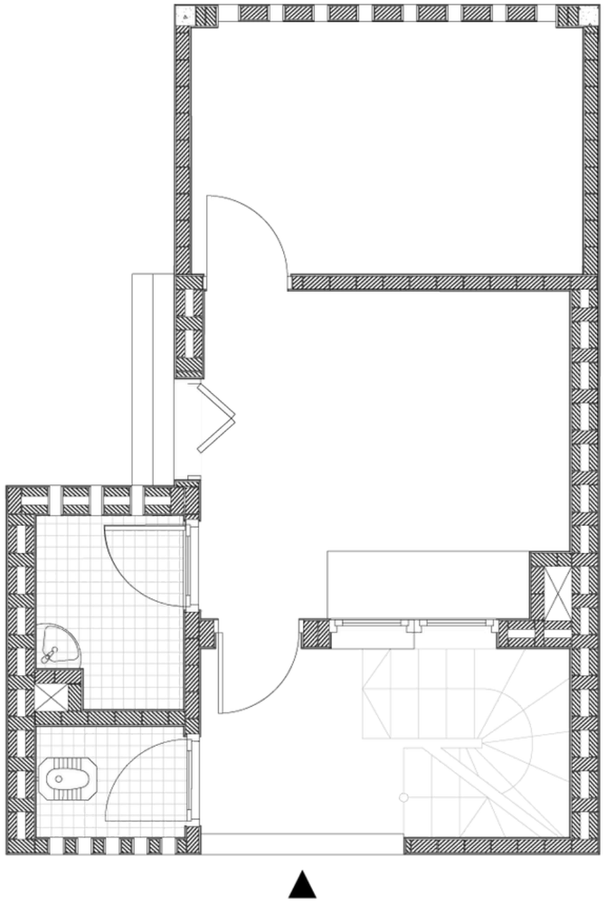
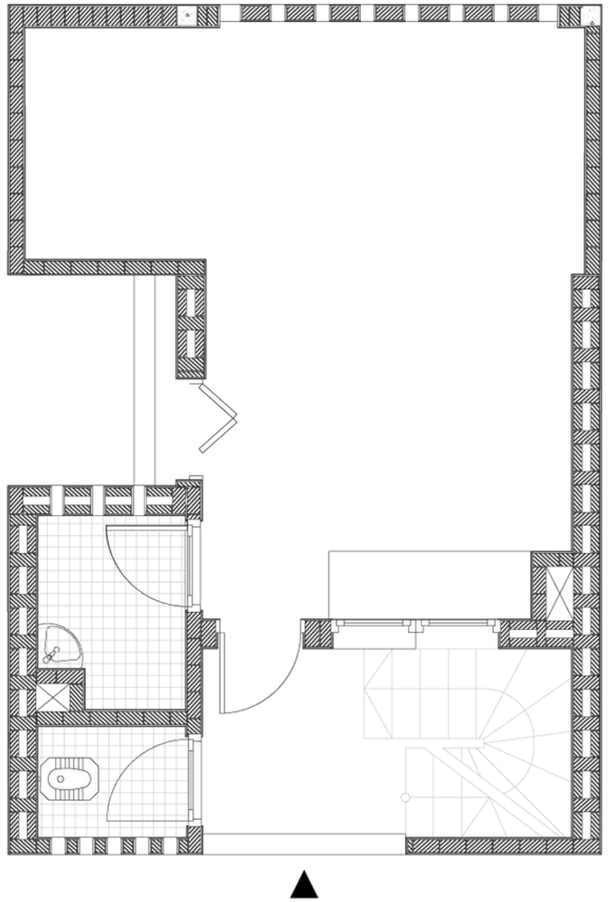


A.1

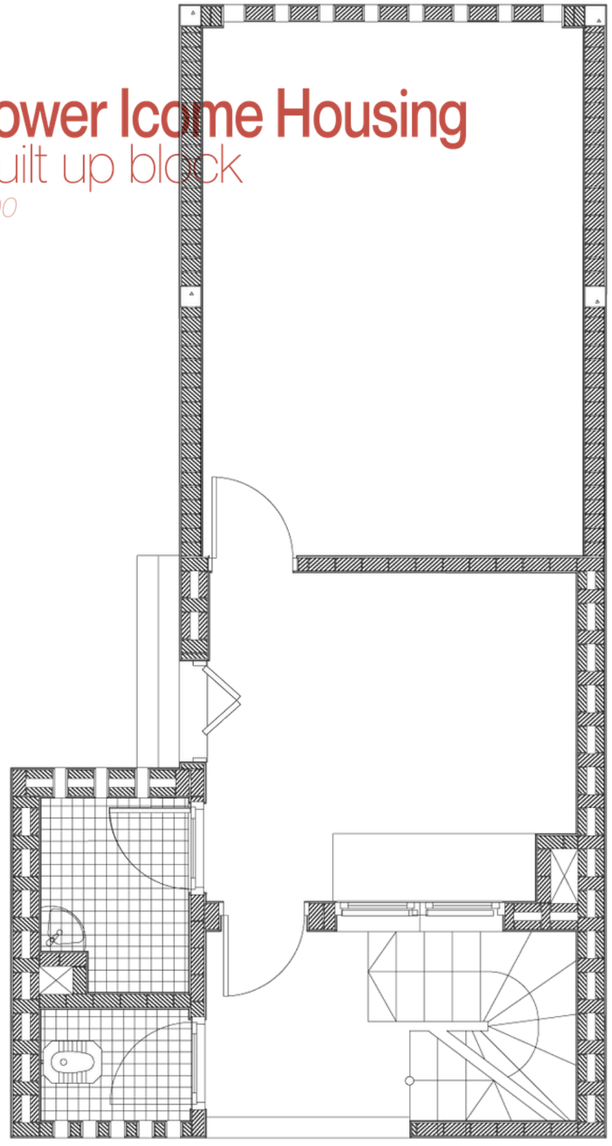


A.2

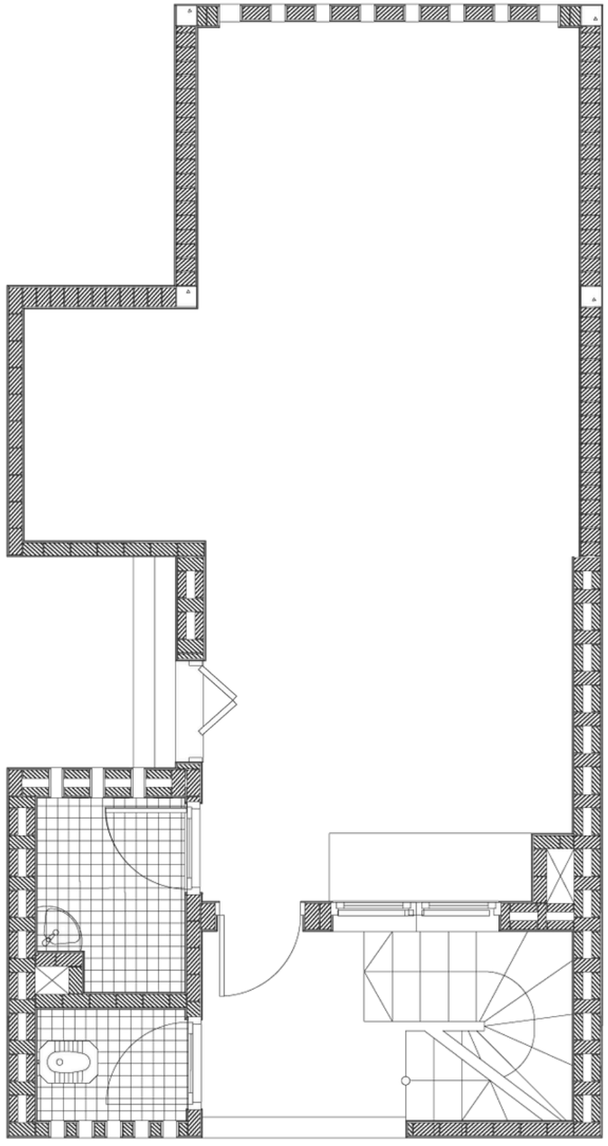
Lower Income Housing

Built up block

1: 100



A.3



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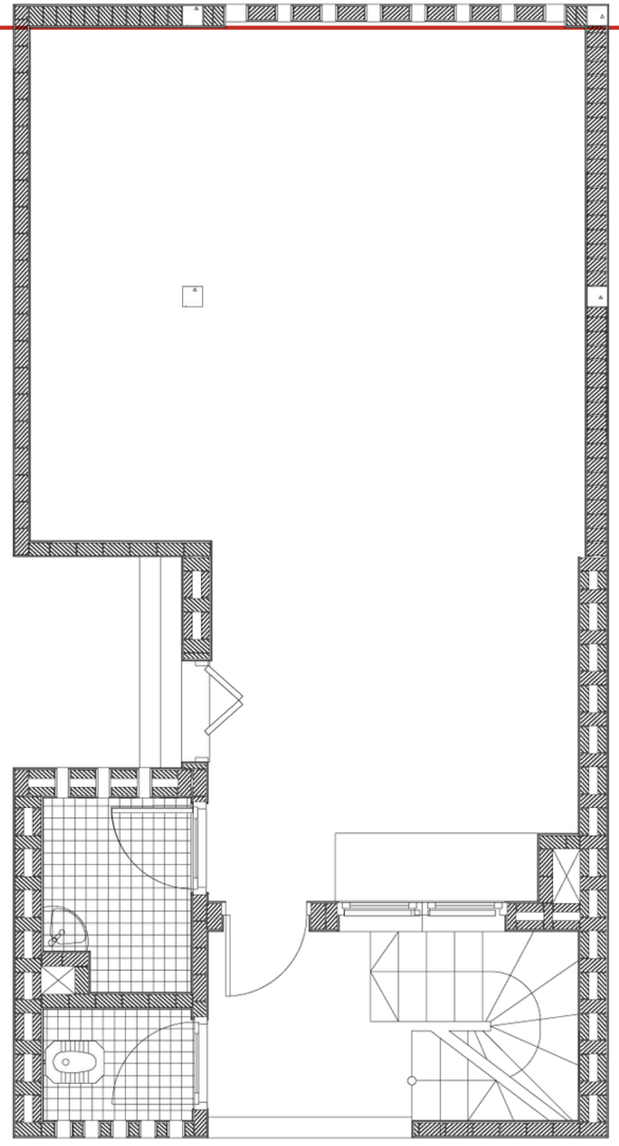
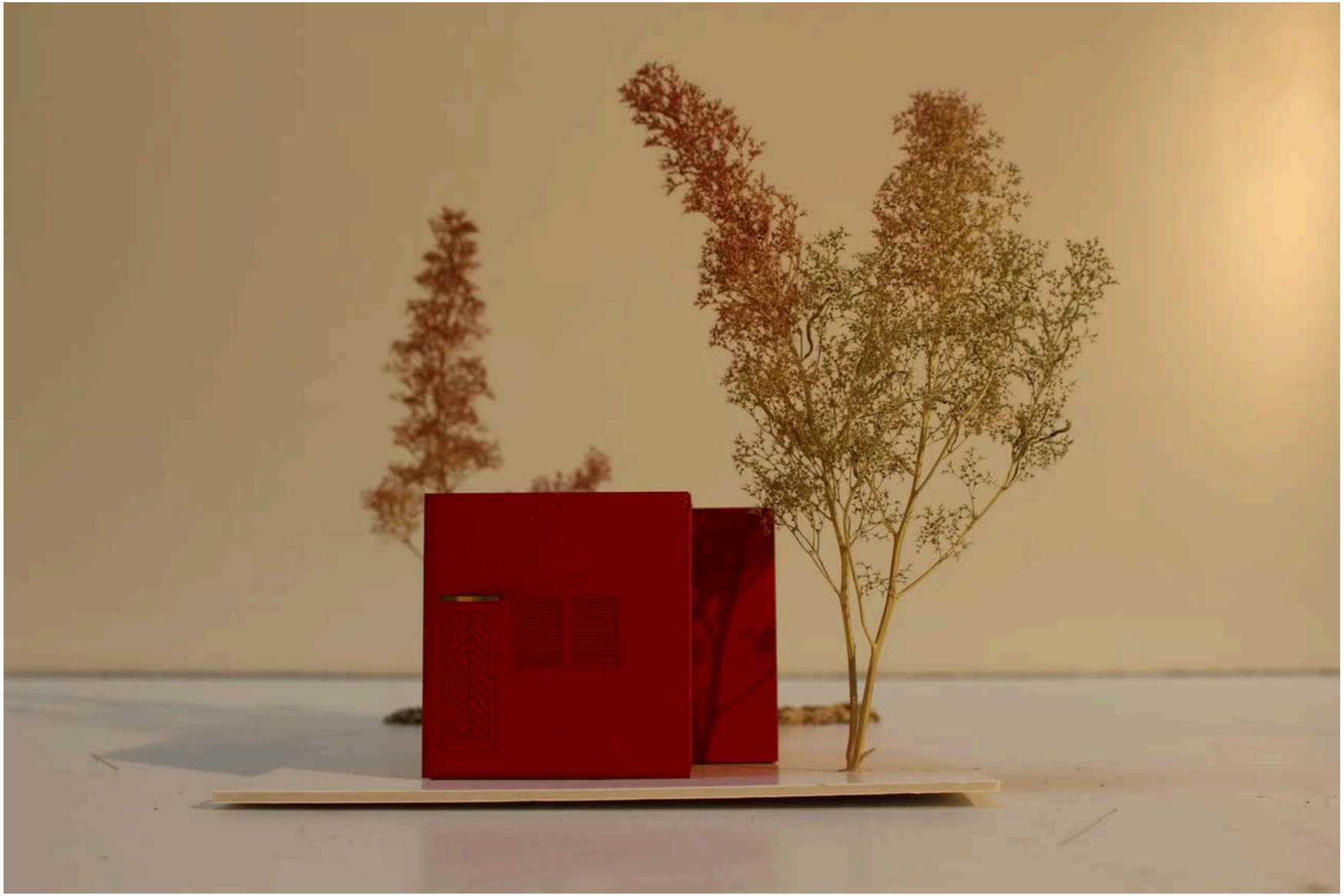


A.5





Lower Icome Housing

Elevation Built Units

1: 100



After 1 year

Lower Icome Housing

Elevation Built Units

1: 100



After 5 years

Lower Icome Housing

Elevation Built Units

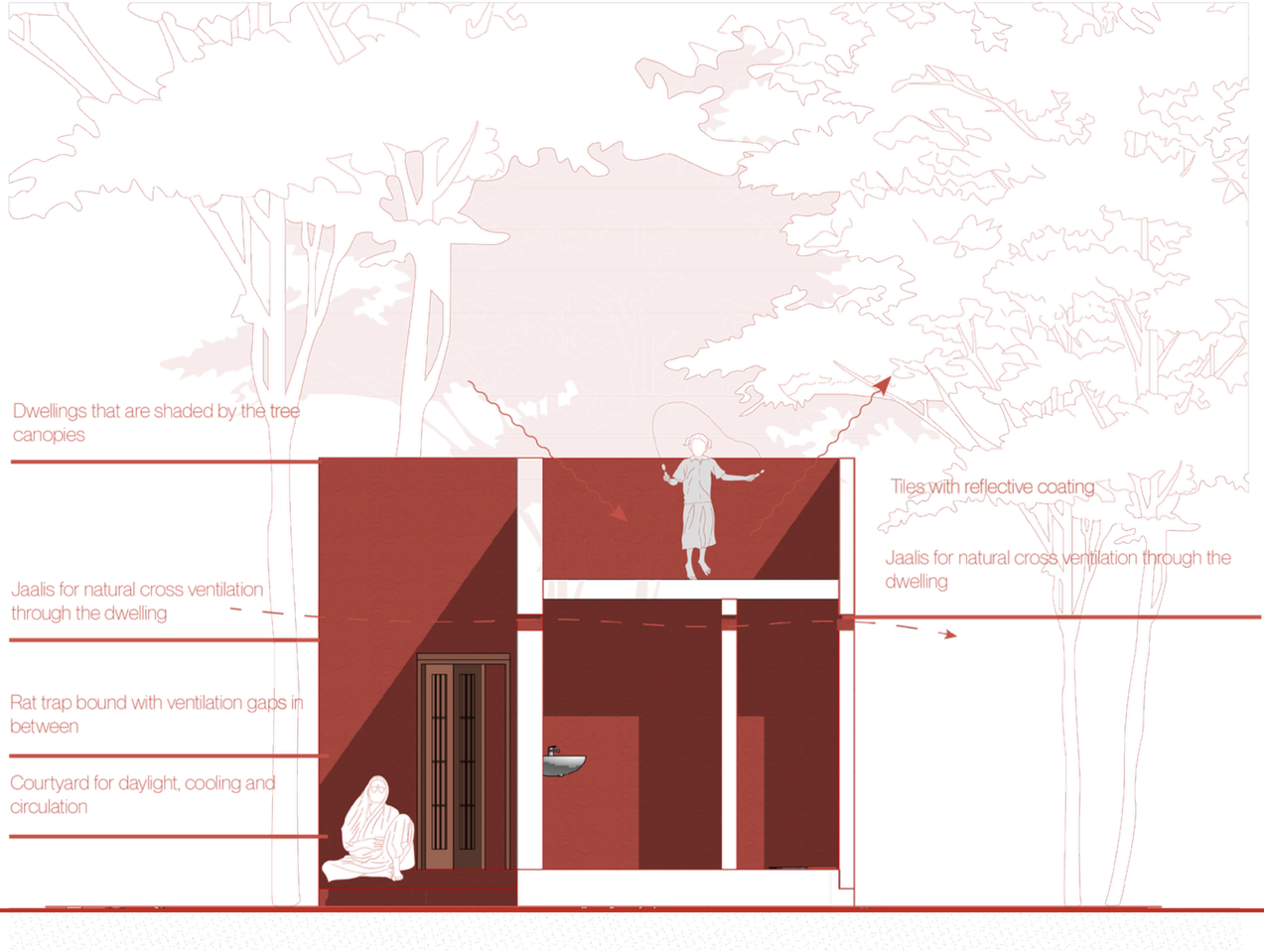
1: 100

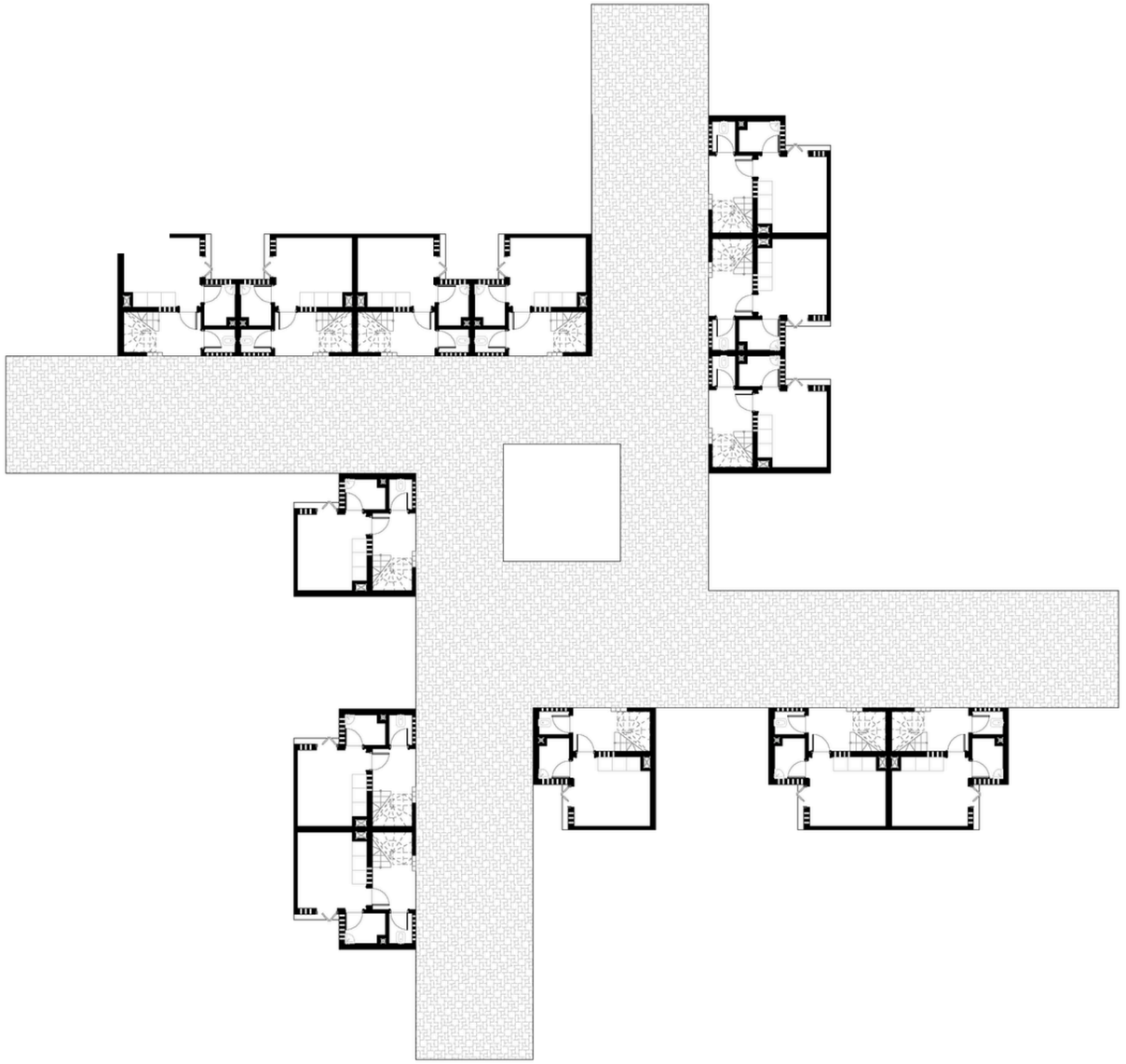


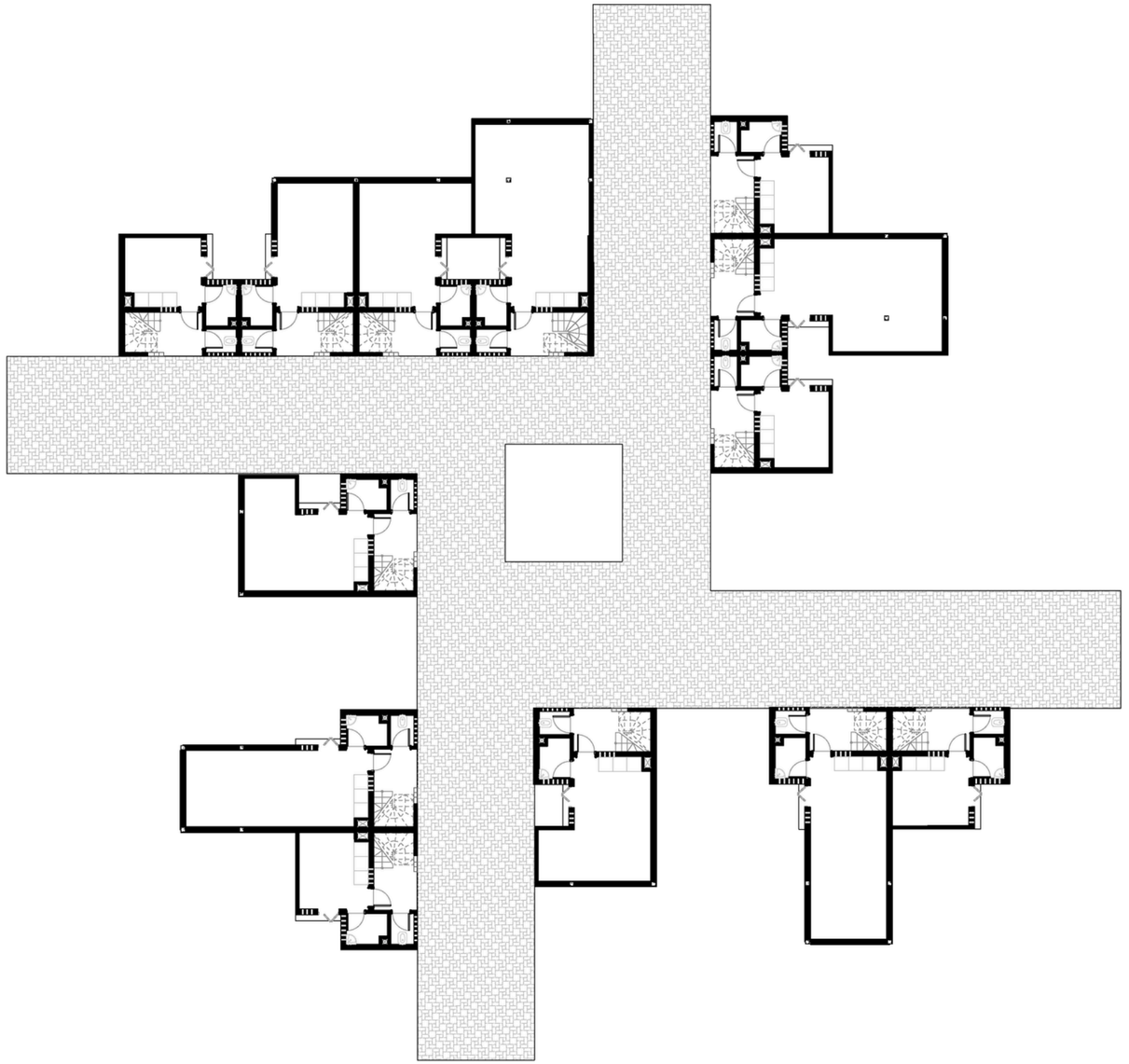
Cluster LIH
Impression

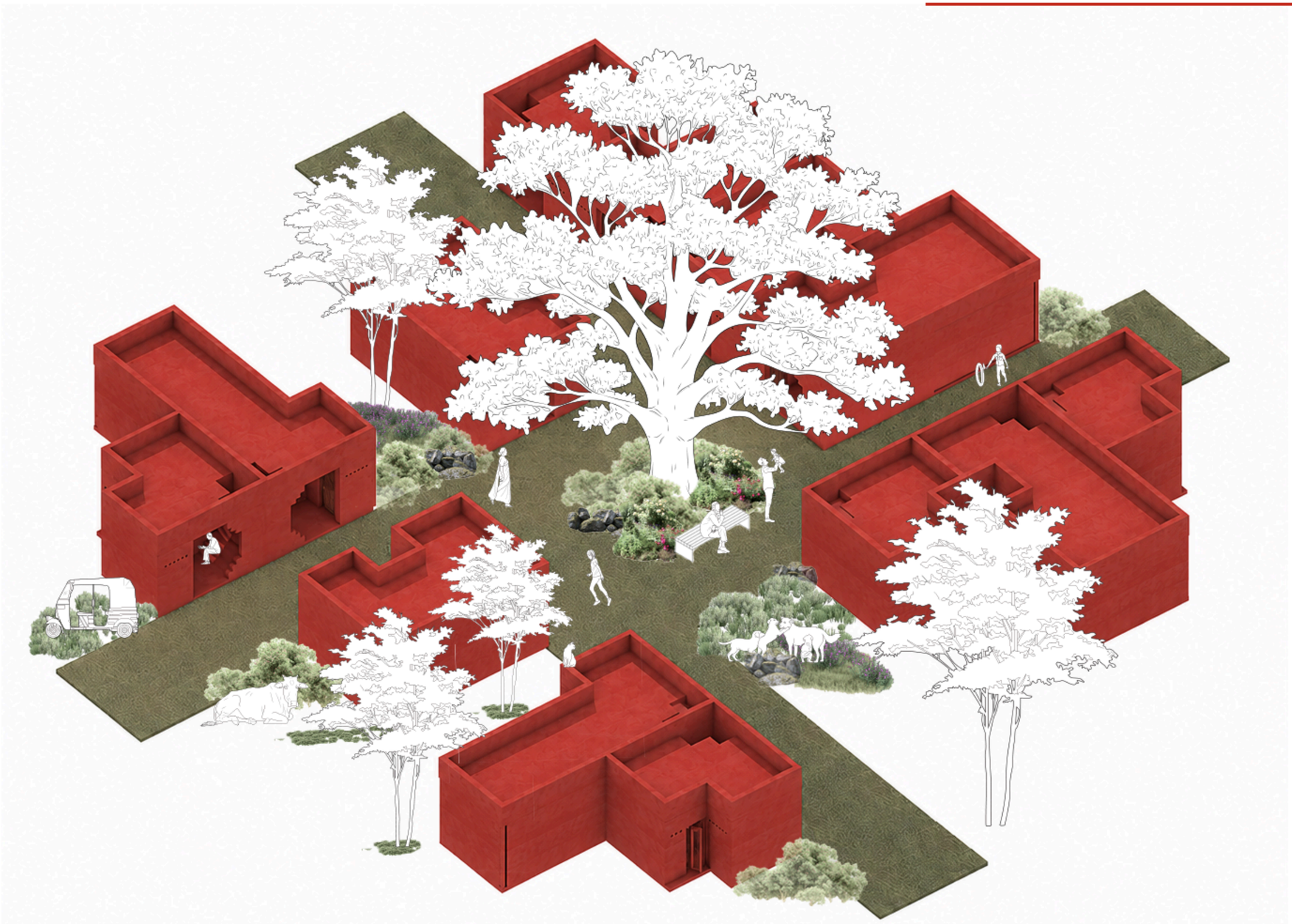


Lower Icome Housing
Climate section
1: 50

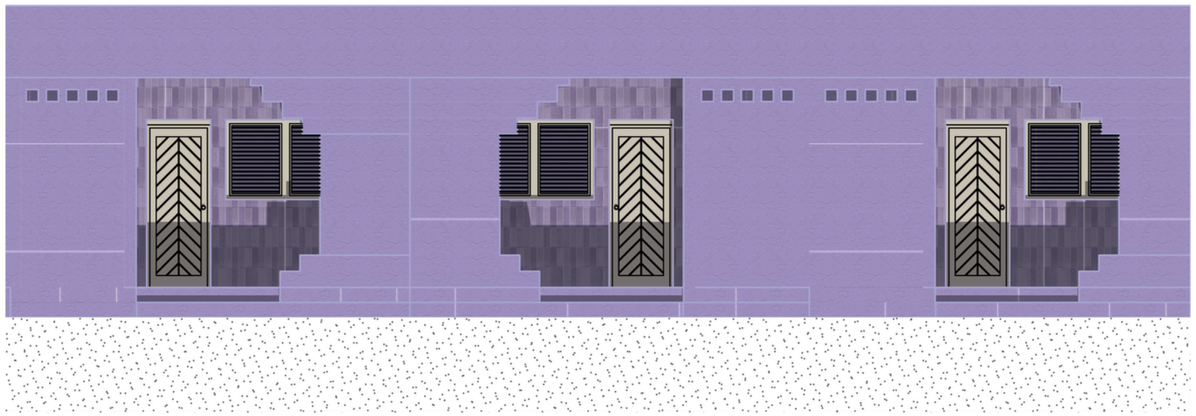


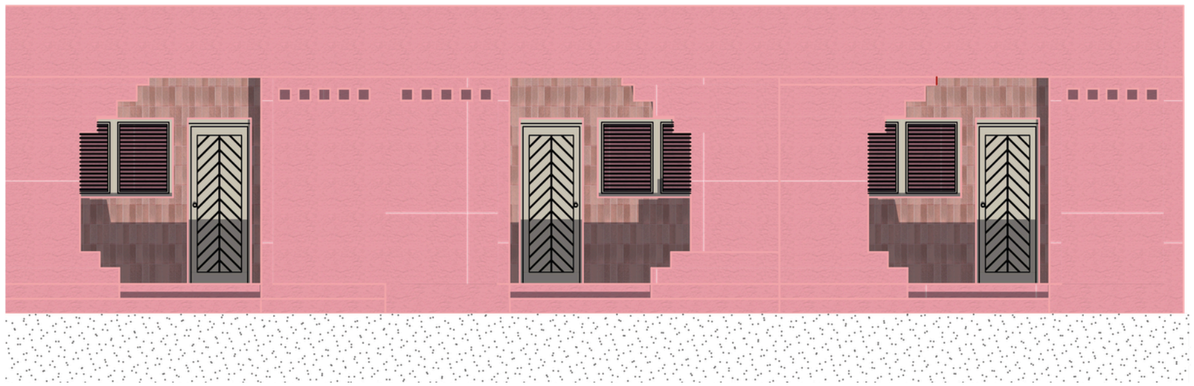


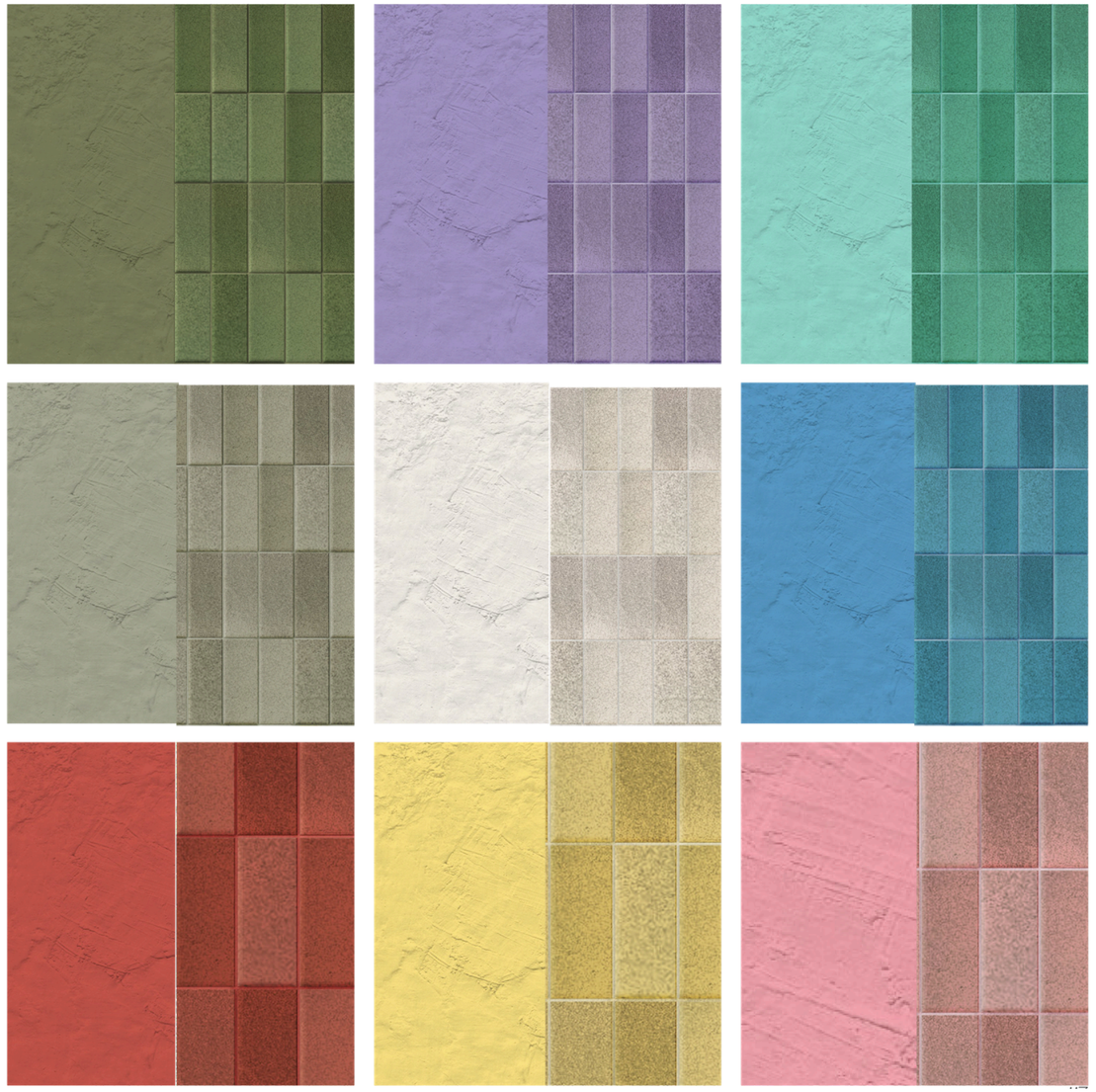




Lower Icome Housing
Facade materiality
1: 100



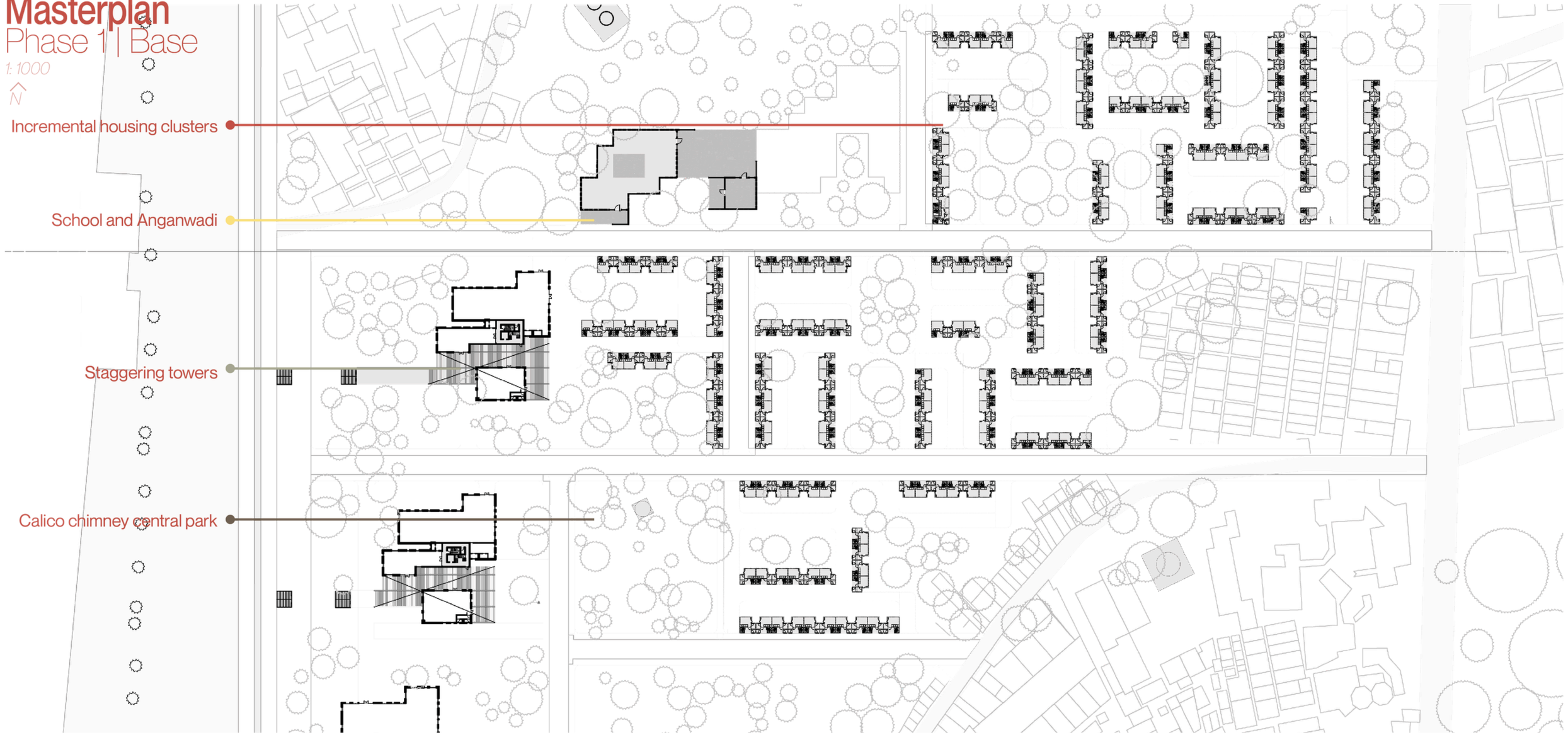


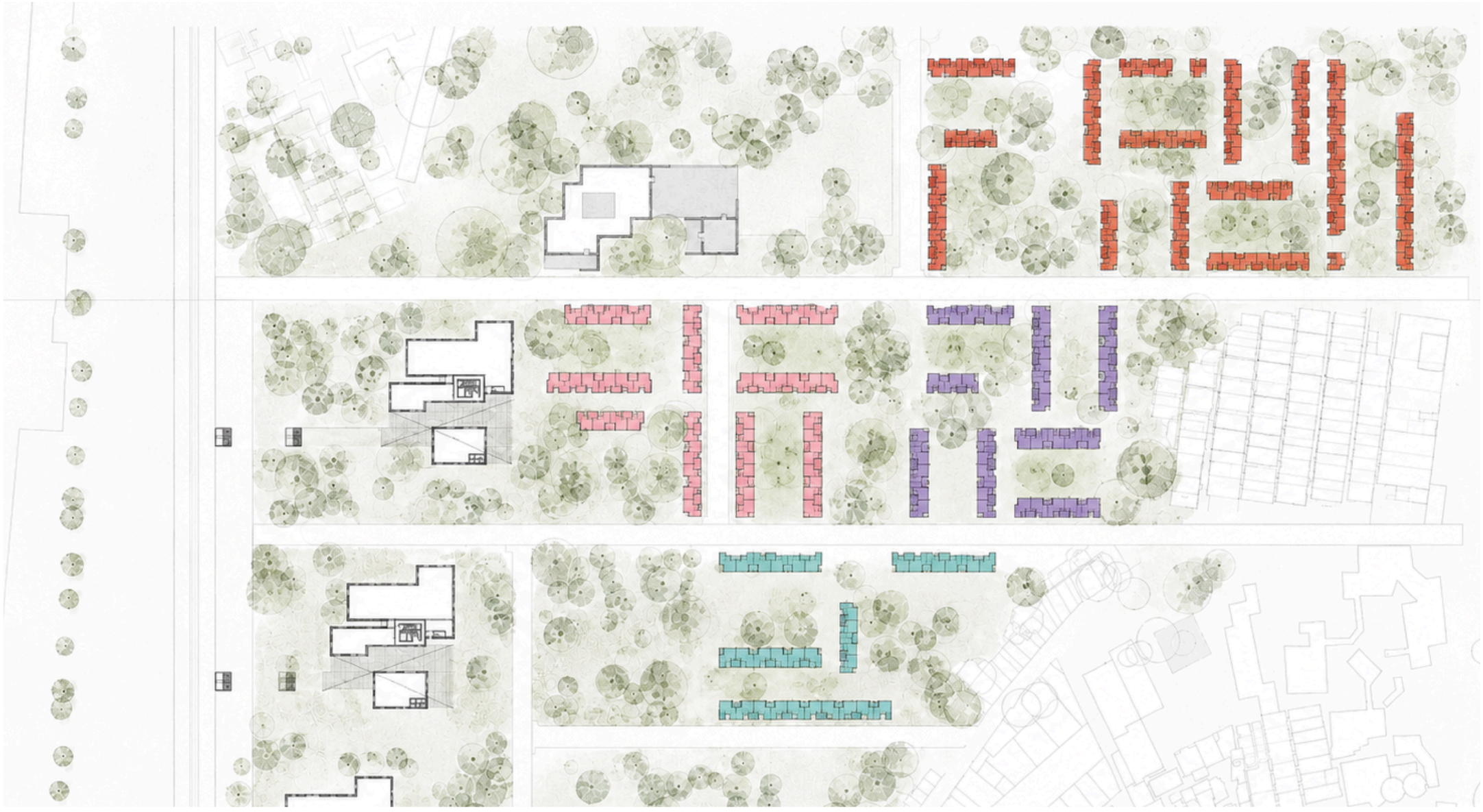


Masterplan
Phase 1 | Base

1: 1000

N





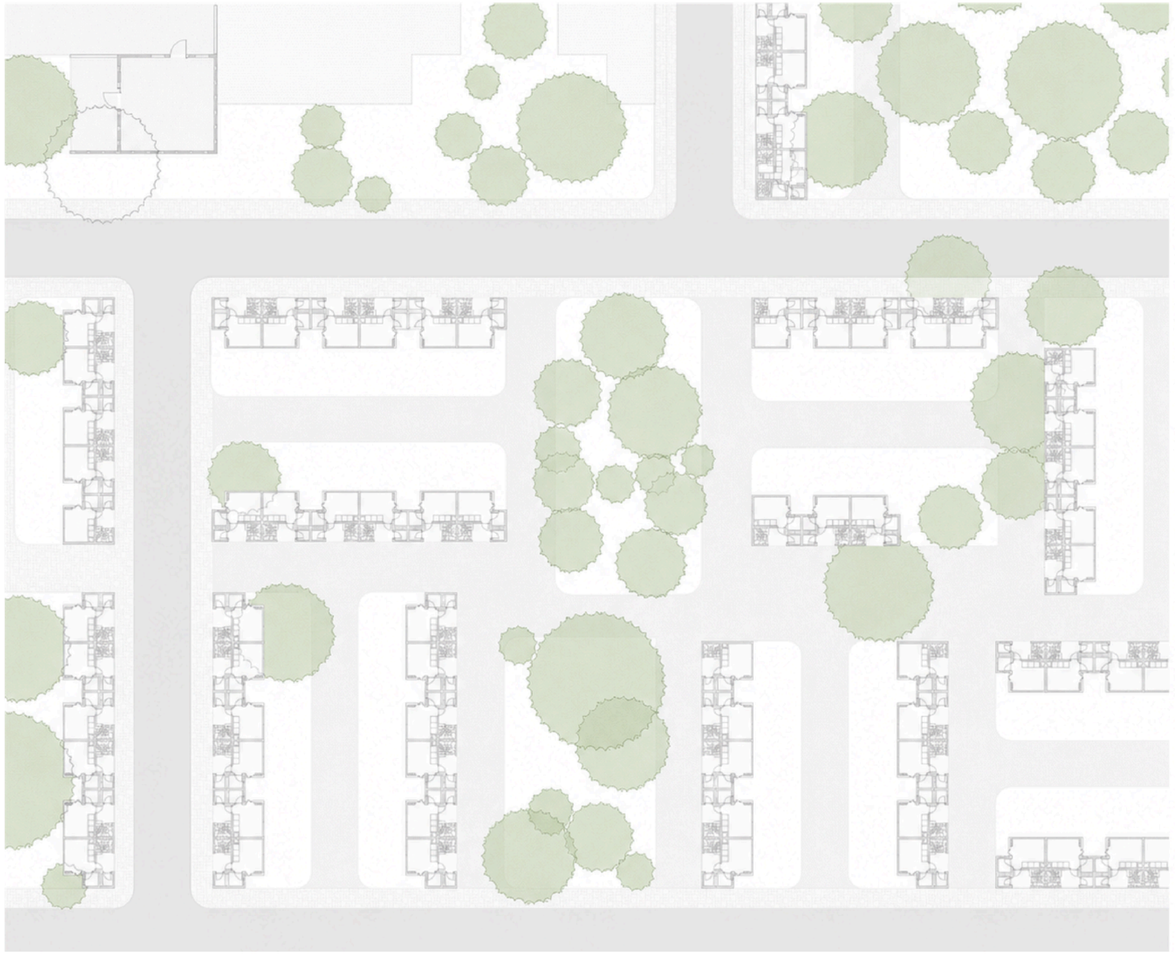




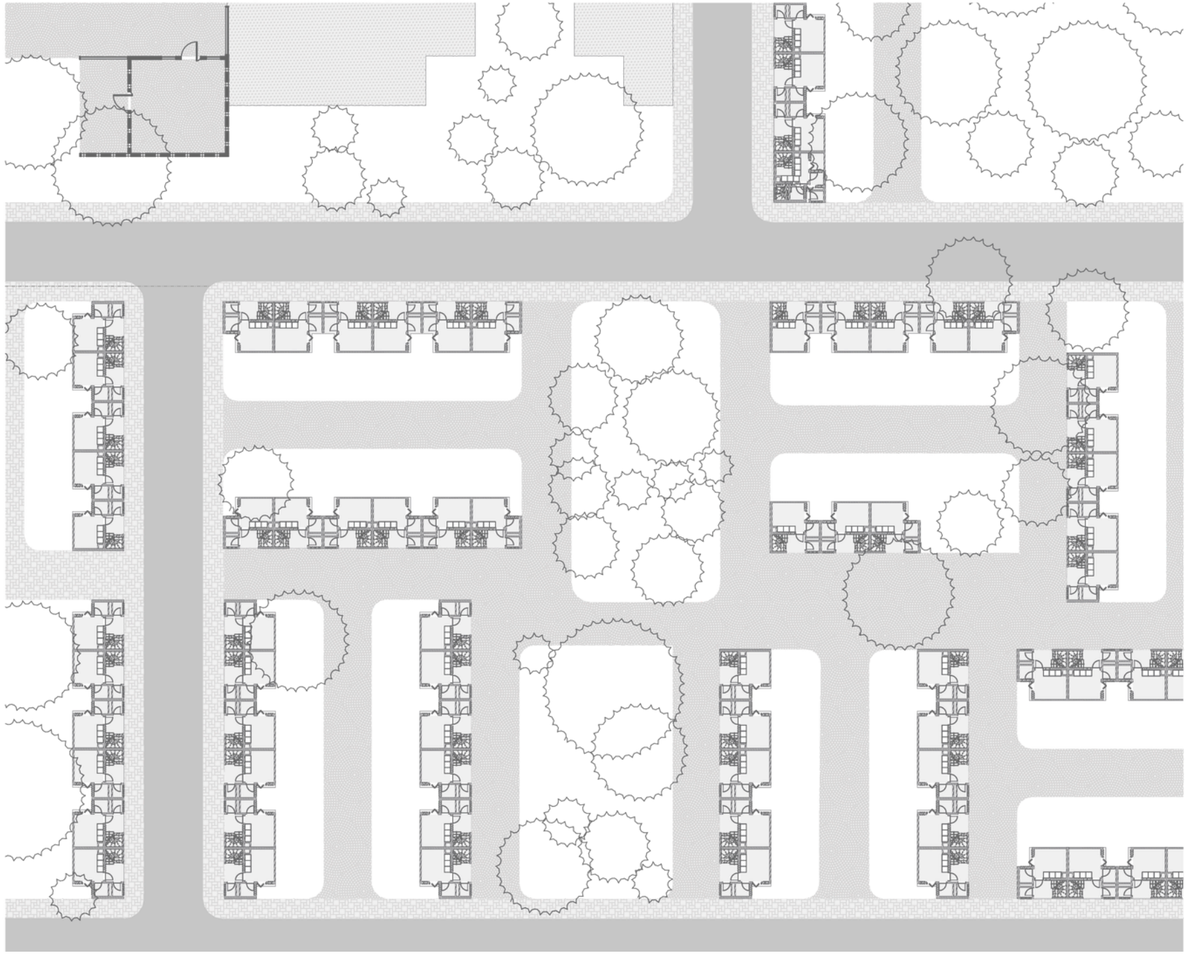




Cluster LIH
Zoomed out
1: 200



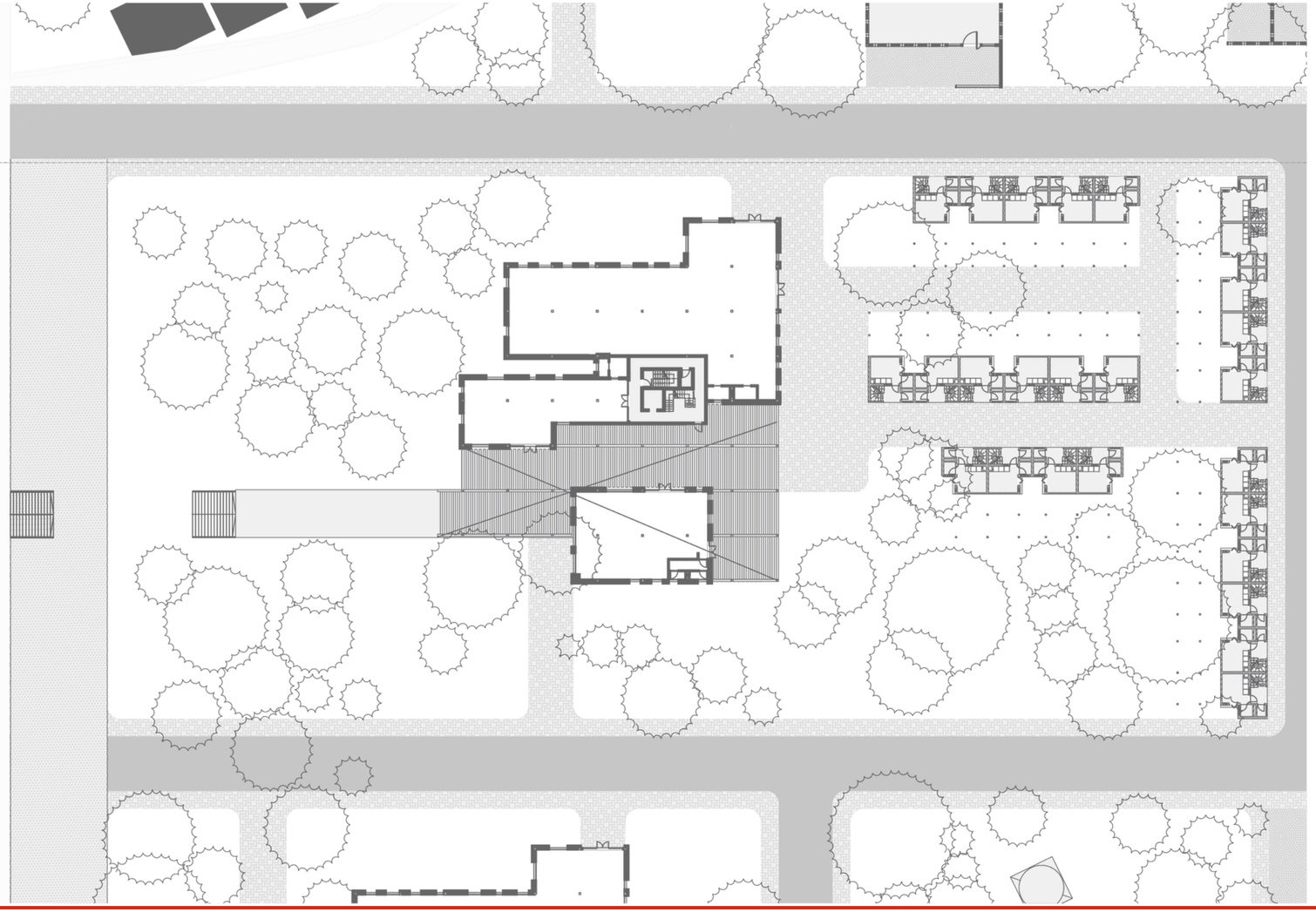
Zoom-out on clusters
Internal roads
1: 500



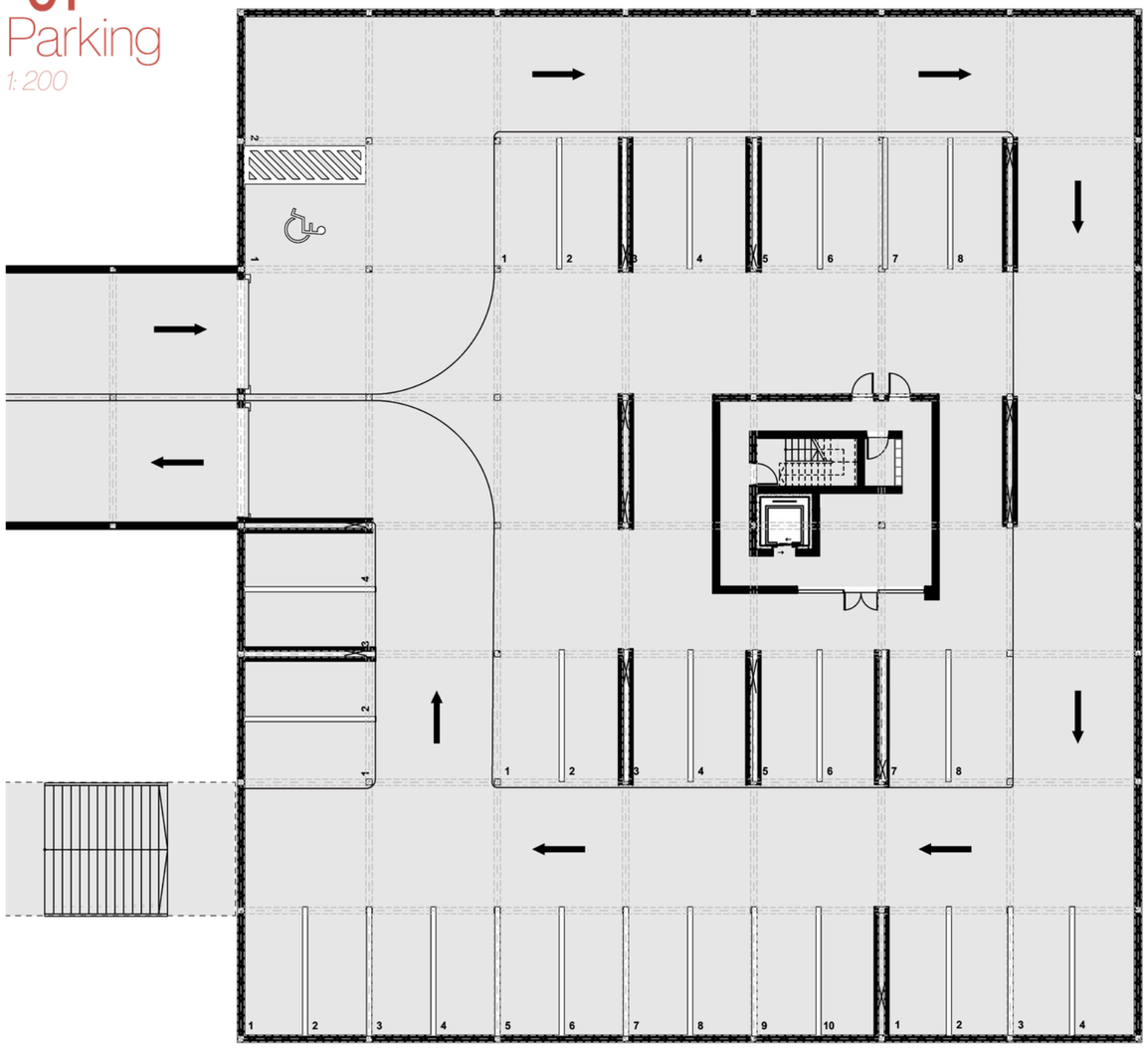
Riverfront zoom-in

Towers

1: 500

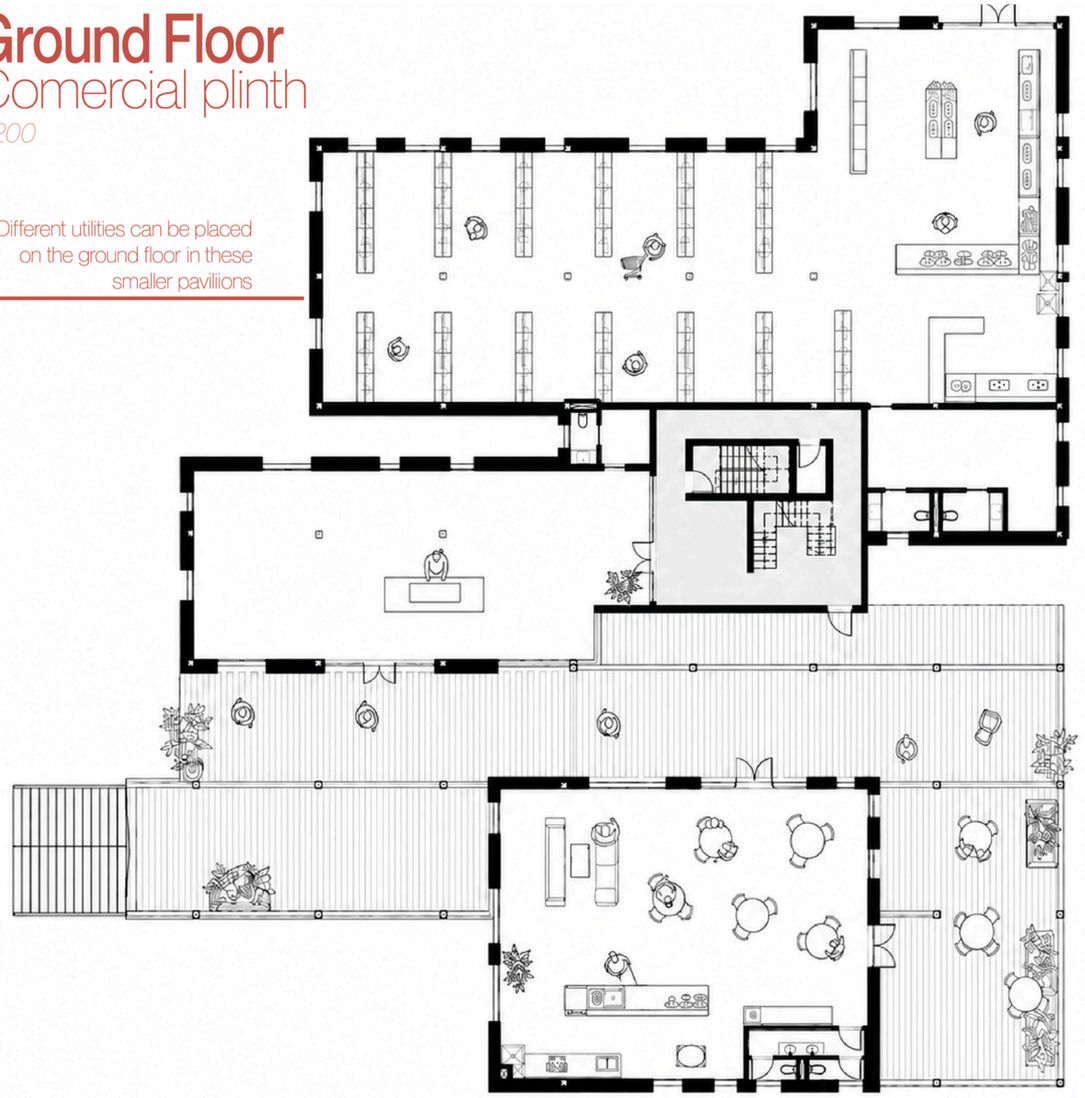


-01
Parking
1: 200



Ground Floor
Comercial plinth
1: 200

Different utilities can be placed on the ground floor in these smaller paviliions



01. First Floor

1: 200

225 m2

3 master bedrooms
3 ensuite bathrooms

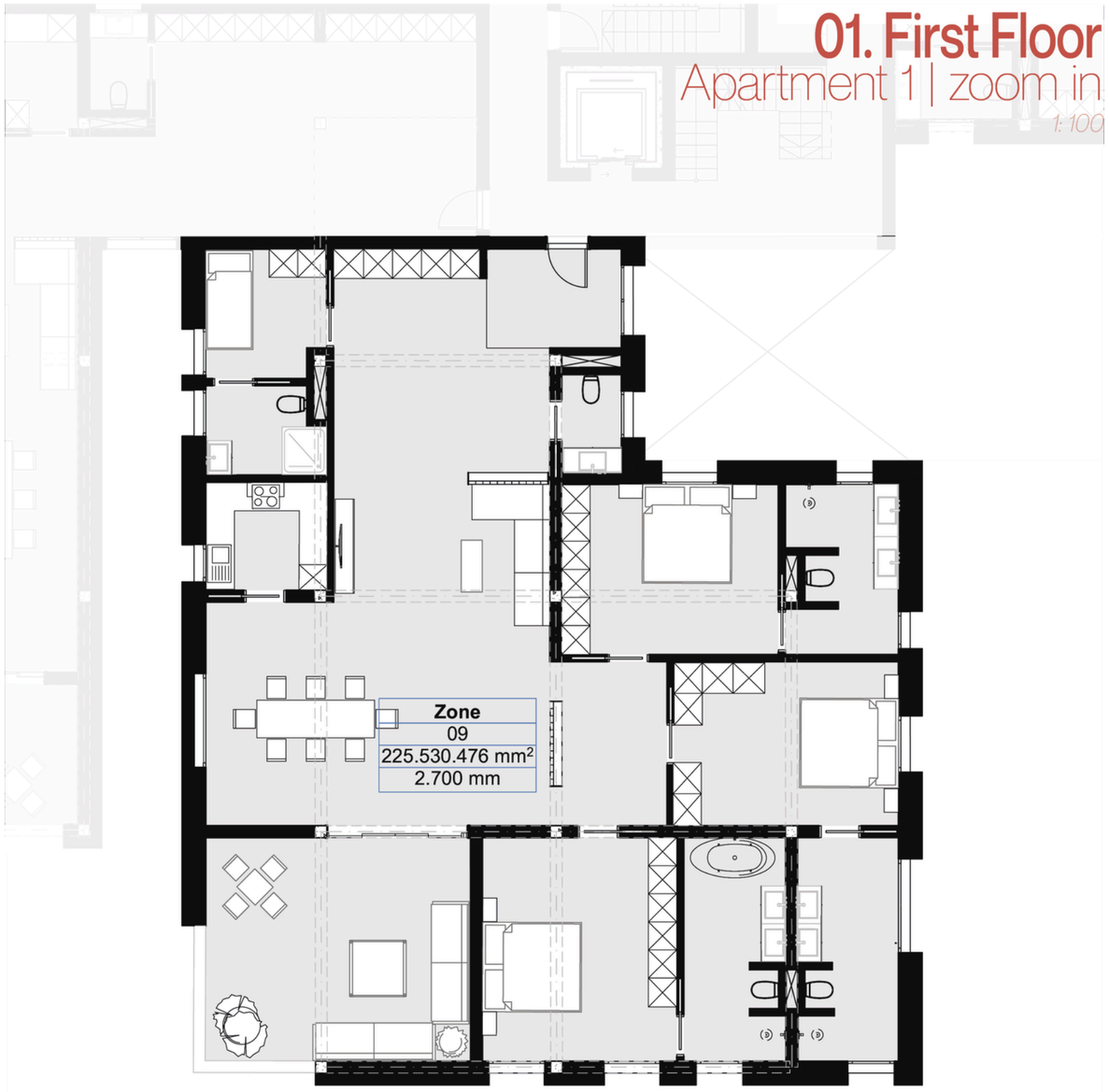
1 servant room
1 ensuite bathroom



01. First Floor

Apartment 1 | zoom in

1: 100



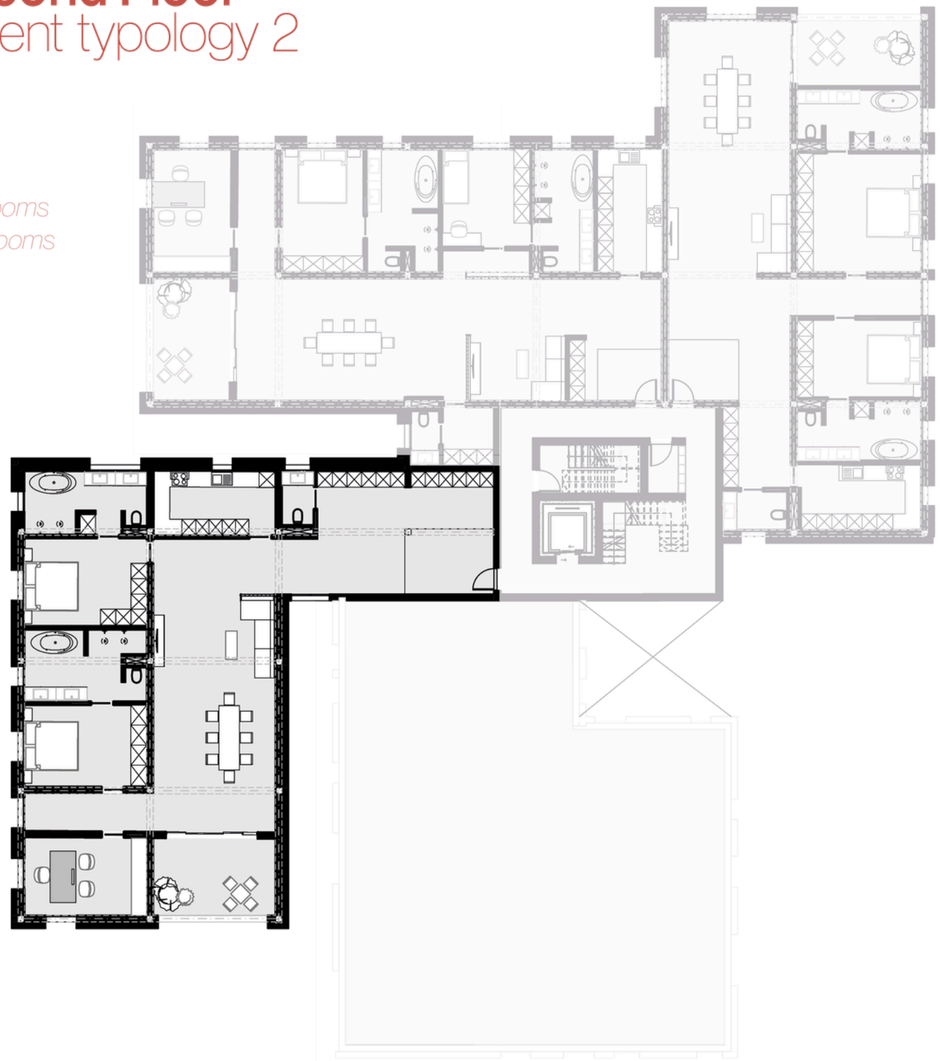
02. Second Floor
Apartment typology 2

1: 200

209 m2

2 master bedrooms
2 ensuite bathrooms

1 drawing room



02. Second Floor
Apartment 2 | zoom in

1: 100



03. Third Floor
Apartment typology 3

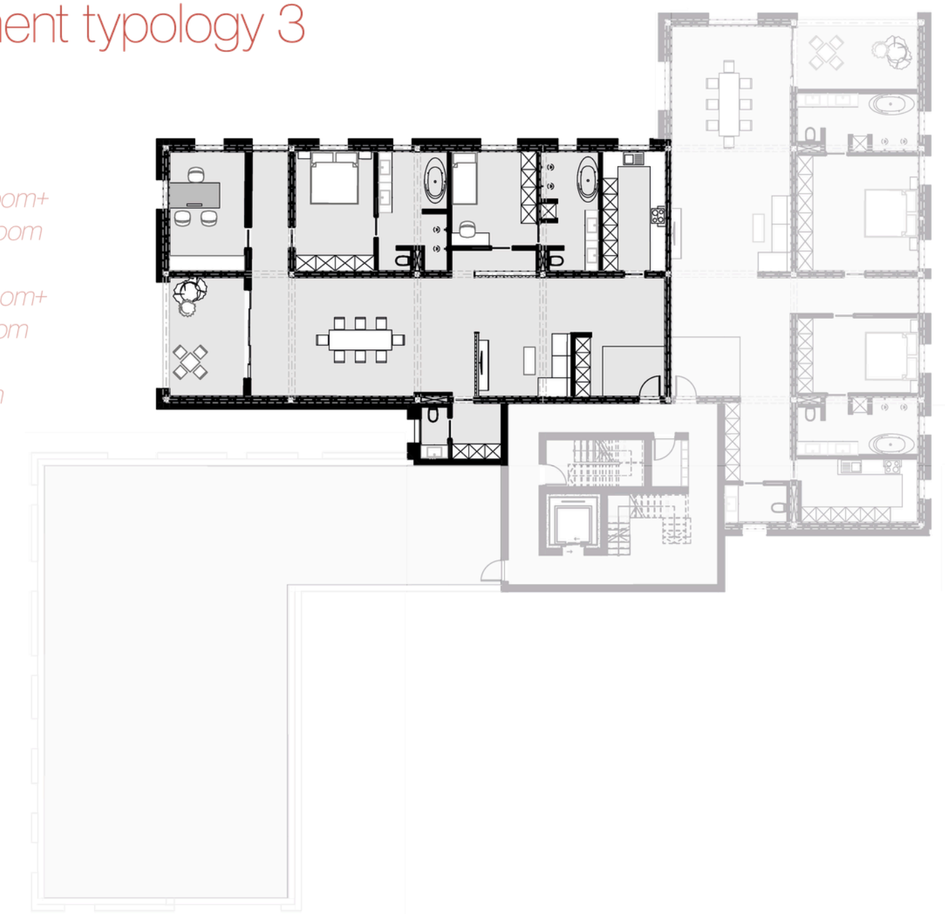
1: 200

209 m2

1 master bedroom+
1 ensuite bathroom

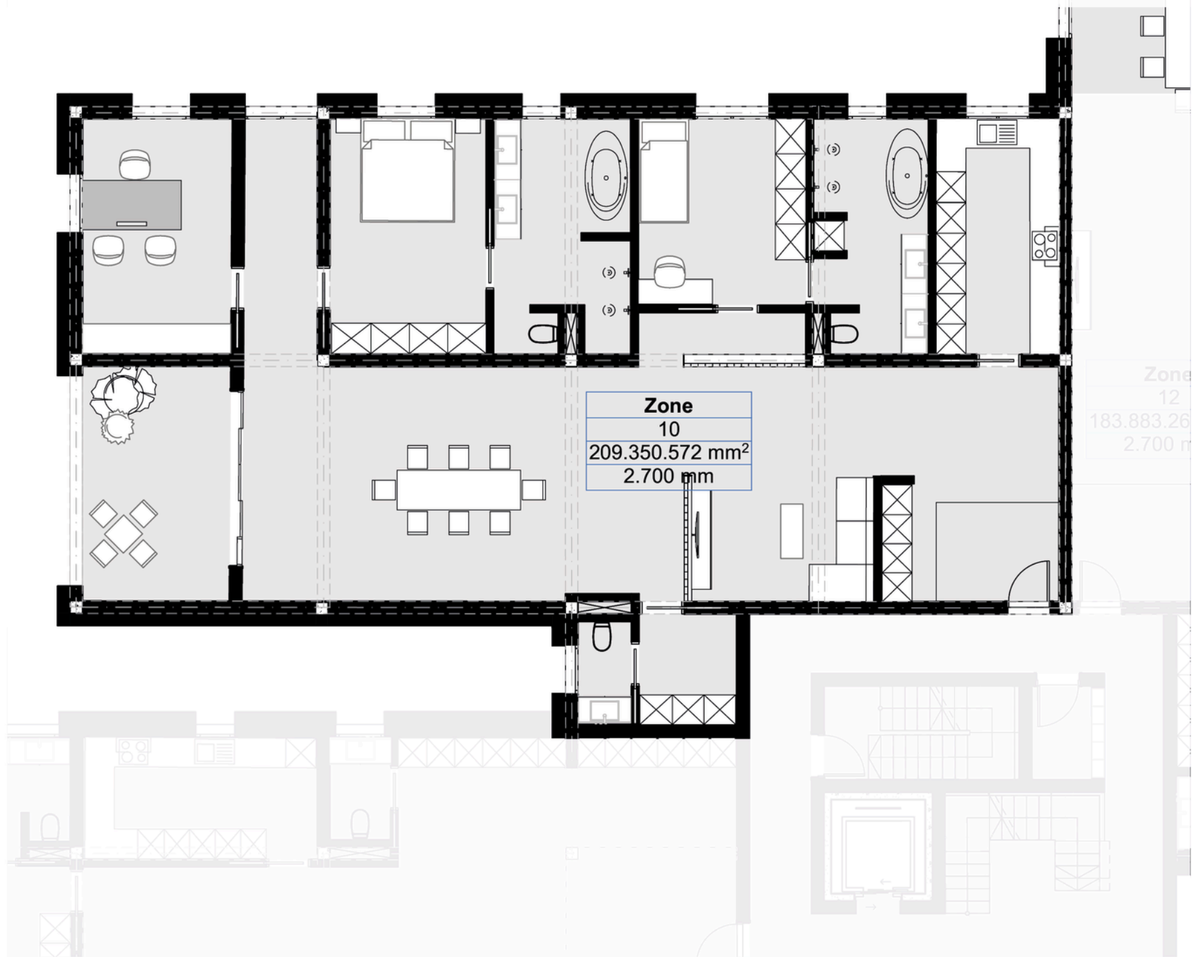
1 regular bedroom+
ensuite bathroom

1 drawing room



03. Third Floor
Apartment 3 | zoom in

1: 100

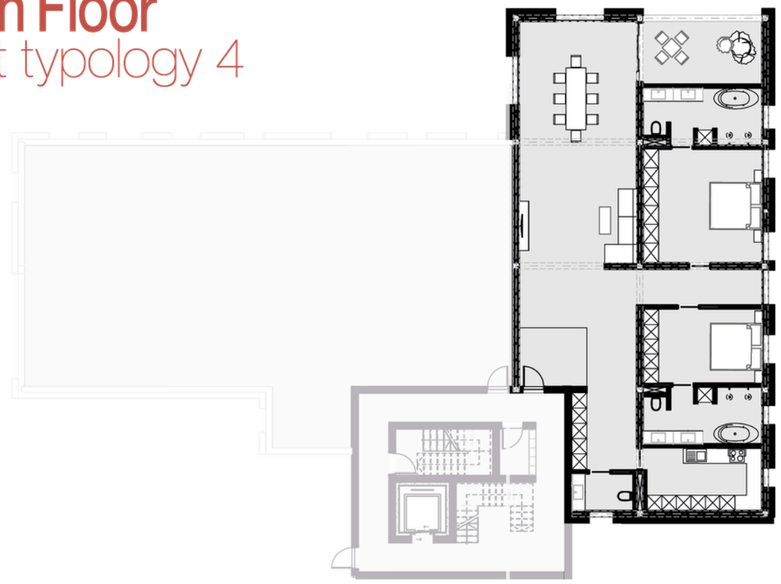


04. Fourth Floor
Apartment typology 4

1: 200

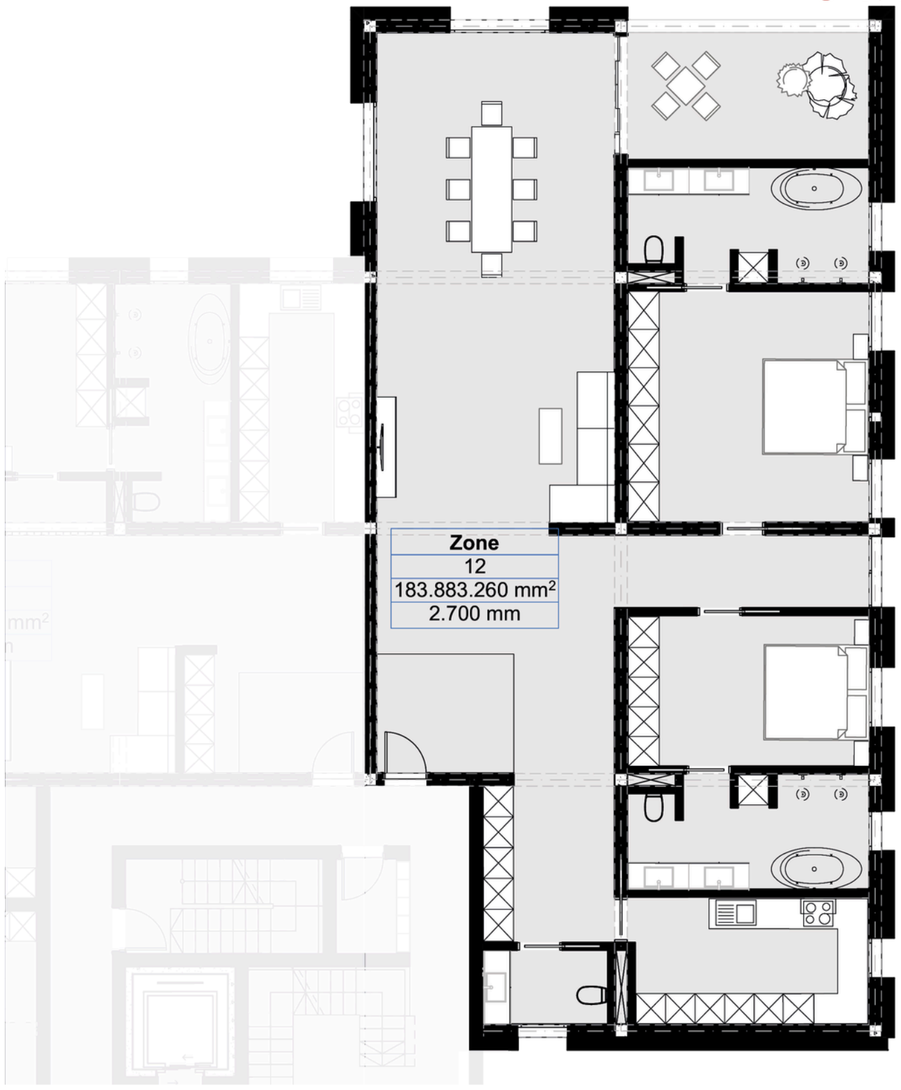
183 m2

2 master bedroom+
2 ensuite bathroom



04. Fourth Floor
Apartment 4 | zoom in

1: 100



Elevation
North Facade
1: 200



Section
South Facade
1: 200



Global Housing 2025-2026

Connecting edges

Calico Mills



Ruveyda Han