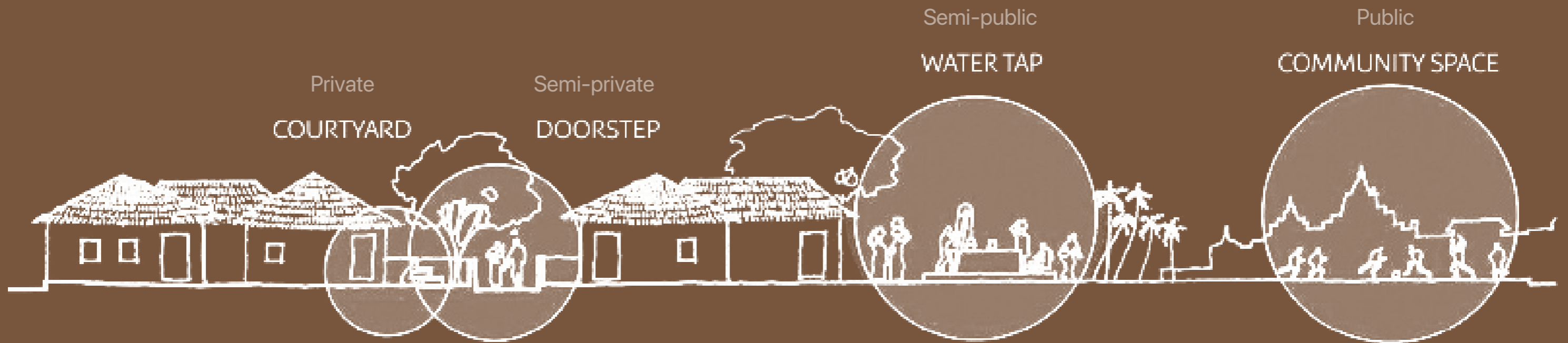
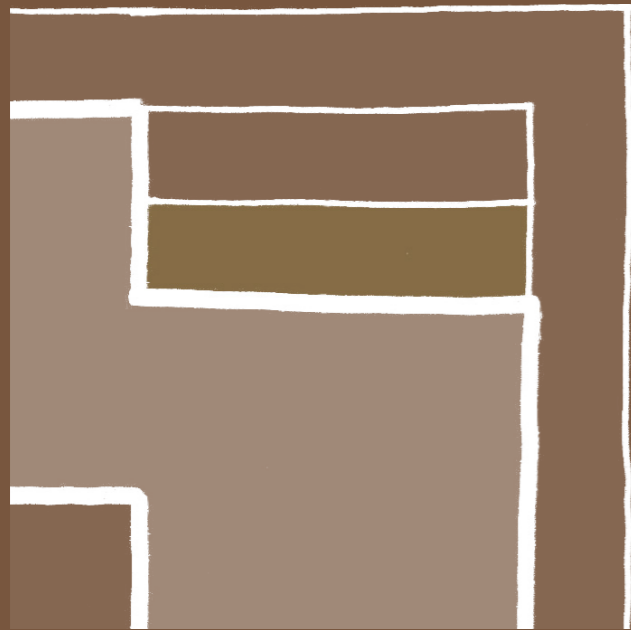


Freek van Schaik

Transition Habitats

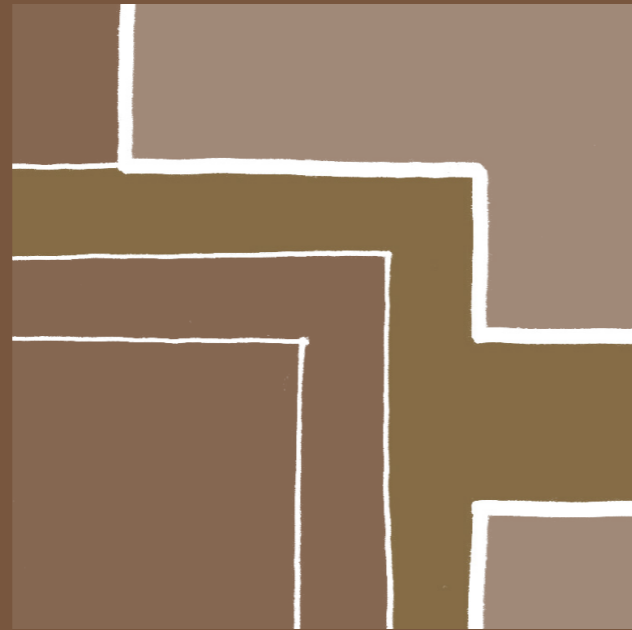
01 Concept





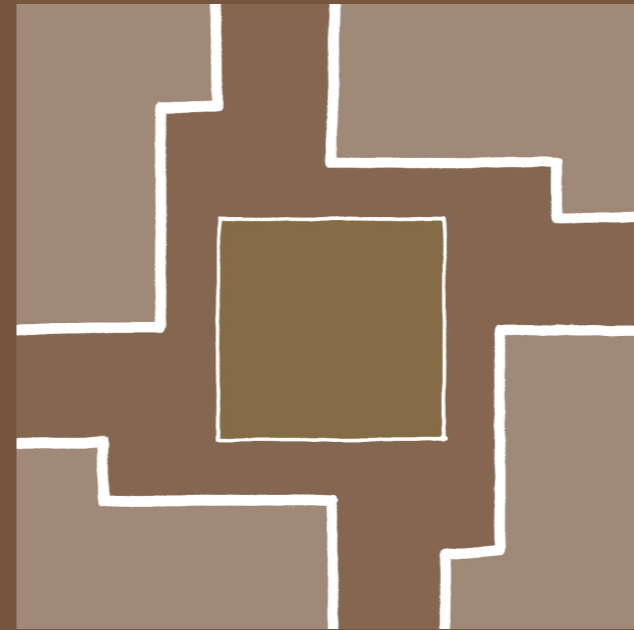
Veranda

Private



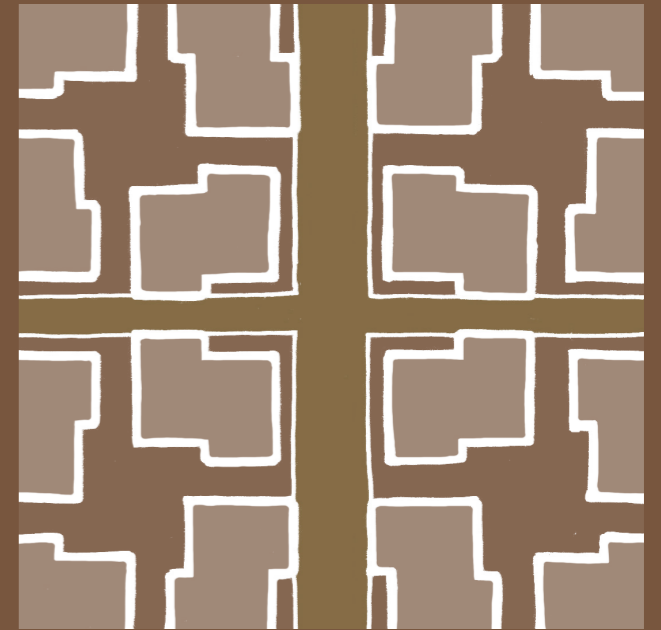
Gallery

Semi-private



Courtyard

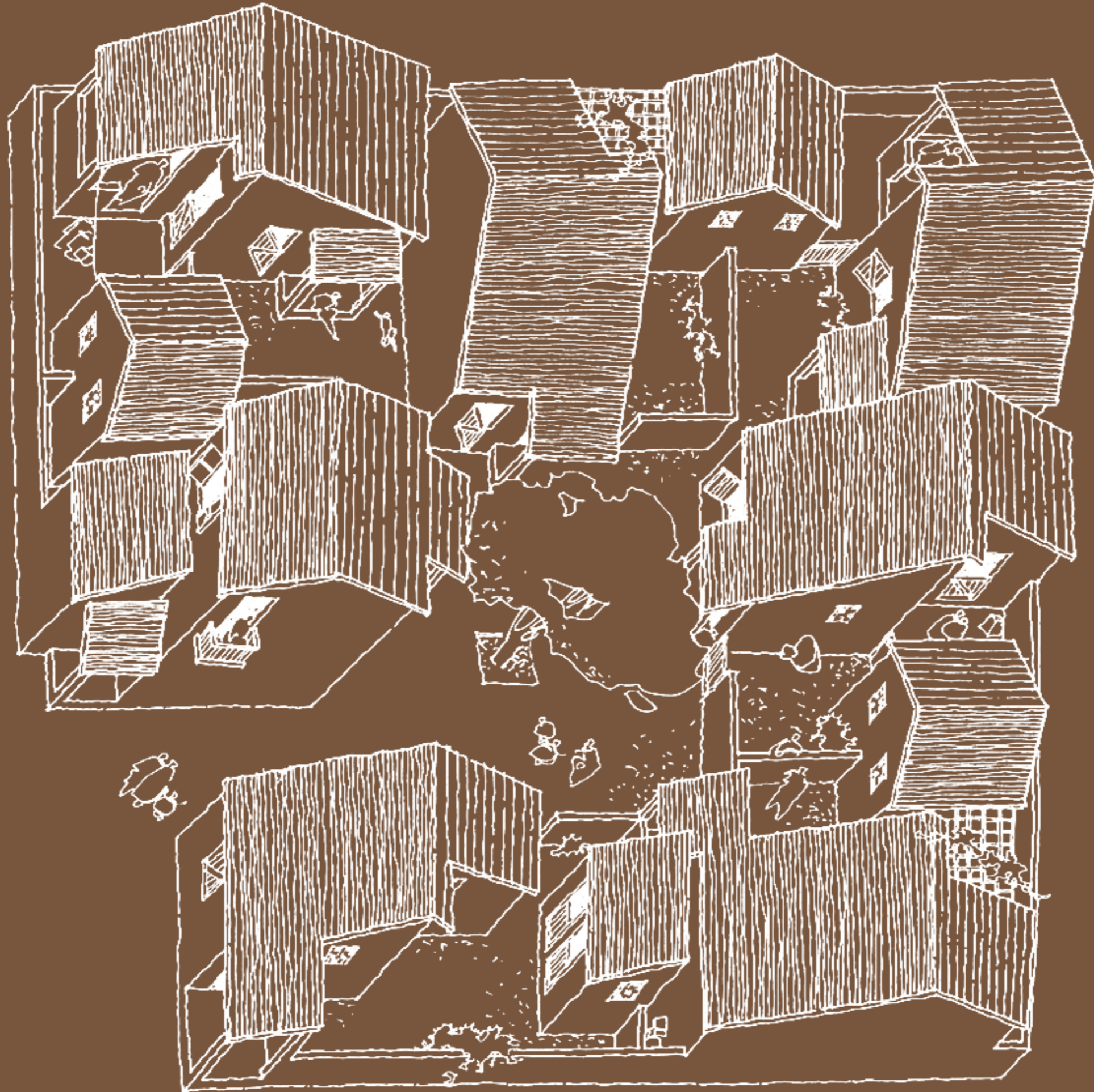
Semi-public



Spine

Public



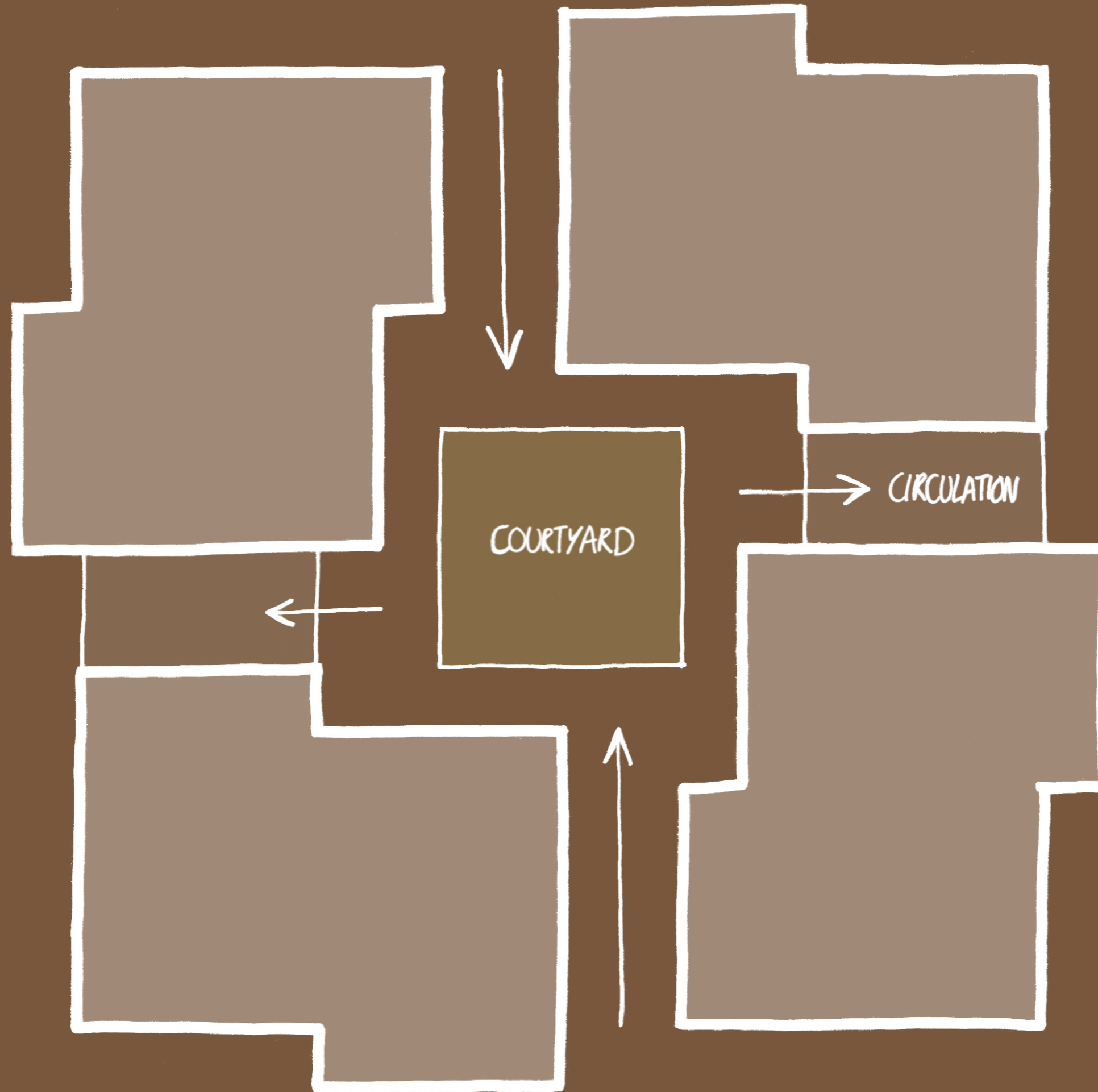


Belapur Housing Courtyard

FOUR BLOCKS
ARE DETACHED
TO ALLOW
FLOWS AND
VENTILATION

ELEVATORS
AND STAIRS
ARE DIRECTLY
ACCESSIBLE
FROM COURTYARD

→ MIDDLE
AND HIGH
INCOME
GROUPS



COURTYARD IS
6,4 x 6,4m TO
GIVE RESIDENTS
A SENSE OF
INTIMACY AND
BELONGING

MICROCLIMATE
IS CREATED
VIA ENCLOSURE
OF BUILDING
VOLUMES



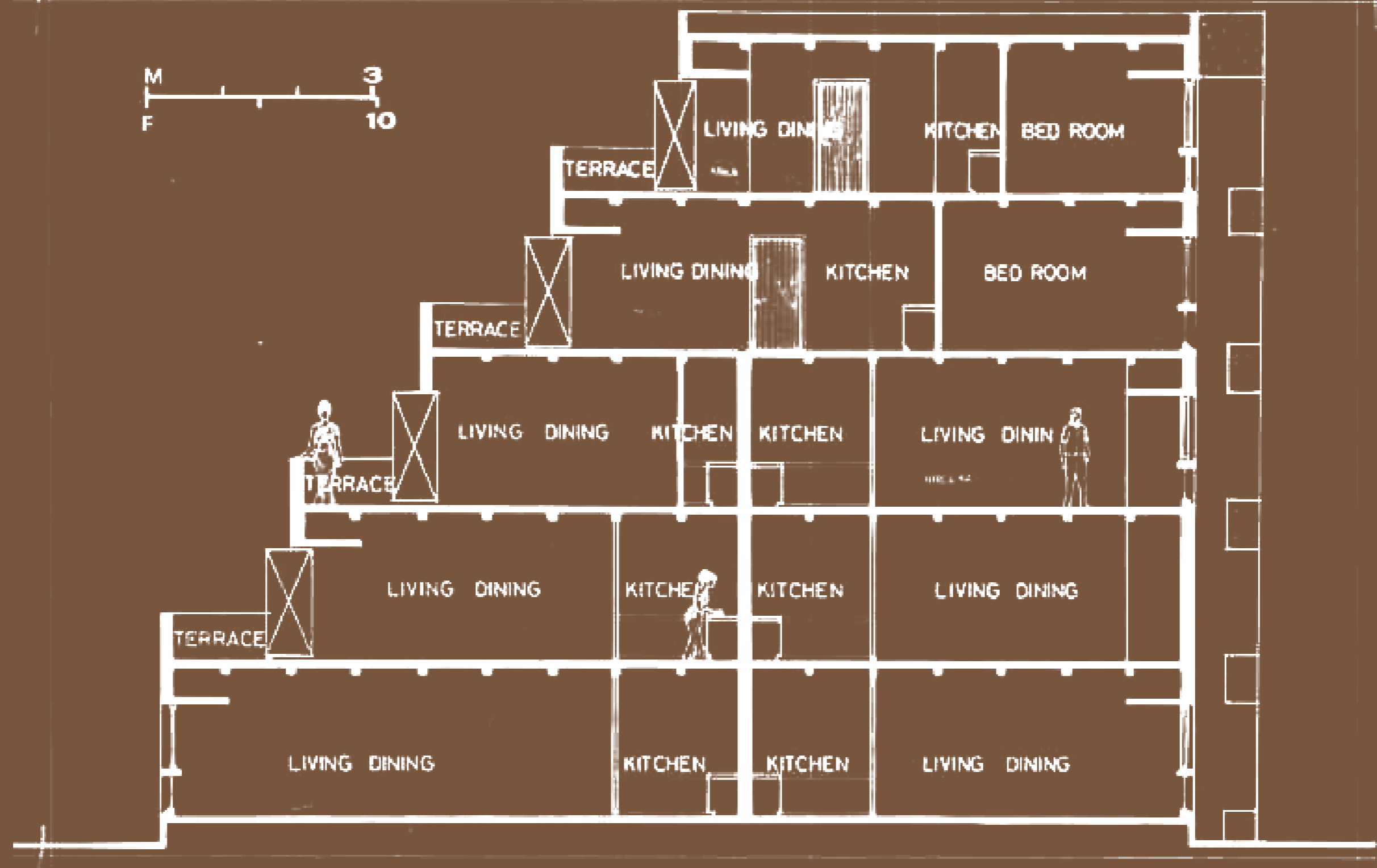
57

CUKREA (1)

p. 640

11.3, 3.10, 3.10, 3.10

11.3

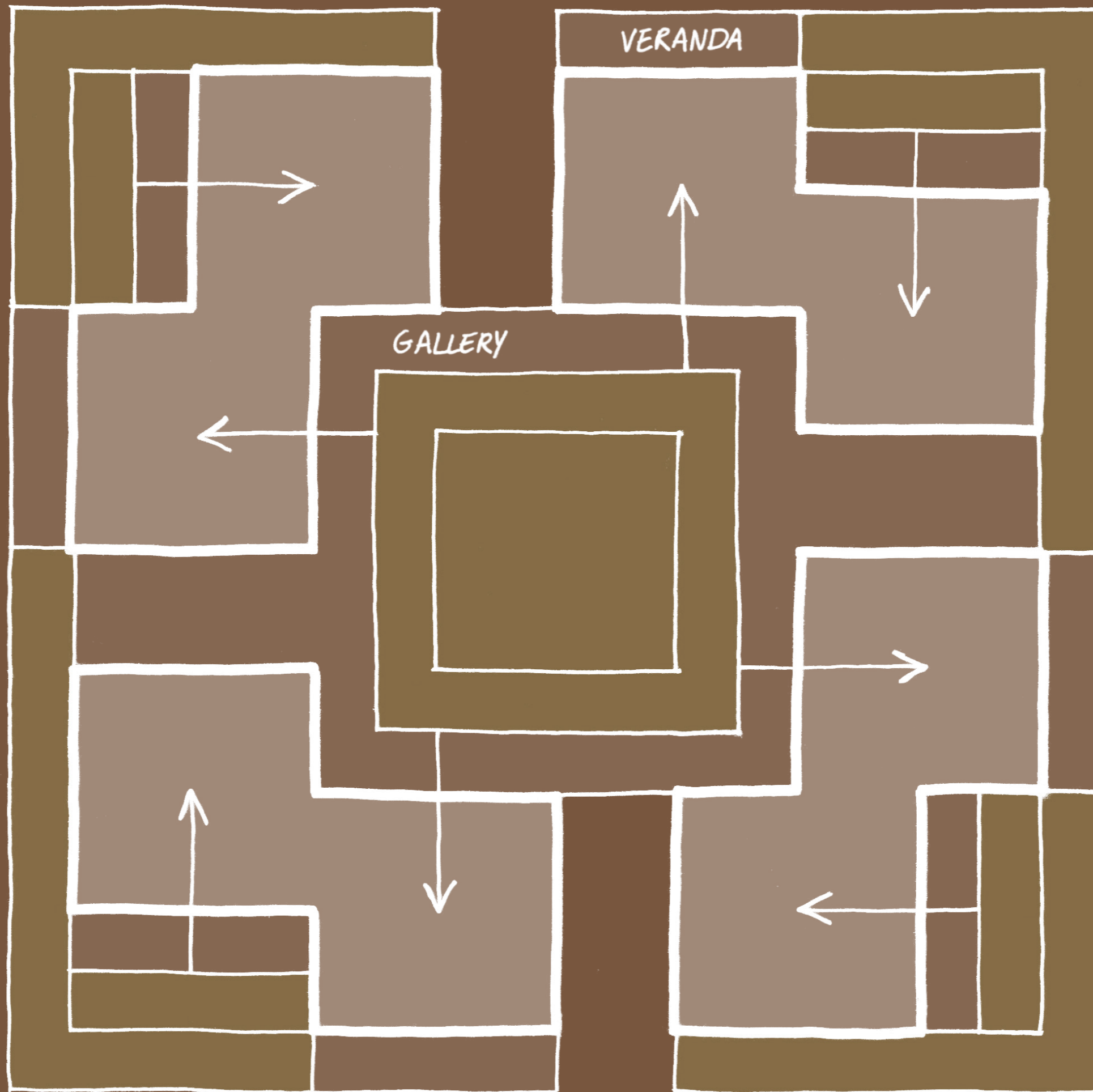


BIMAVIHAR TOWNSHIP
BORIVLI - BOMBAY.

SECTION LL
TYPE C

SETBACKS
CREATING
DIFFERENT
HOUSING SIZES

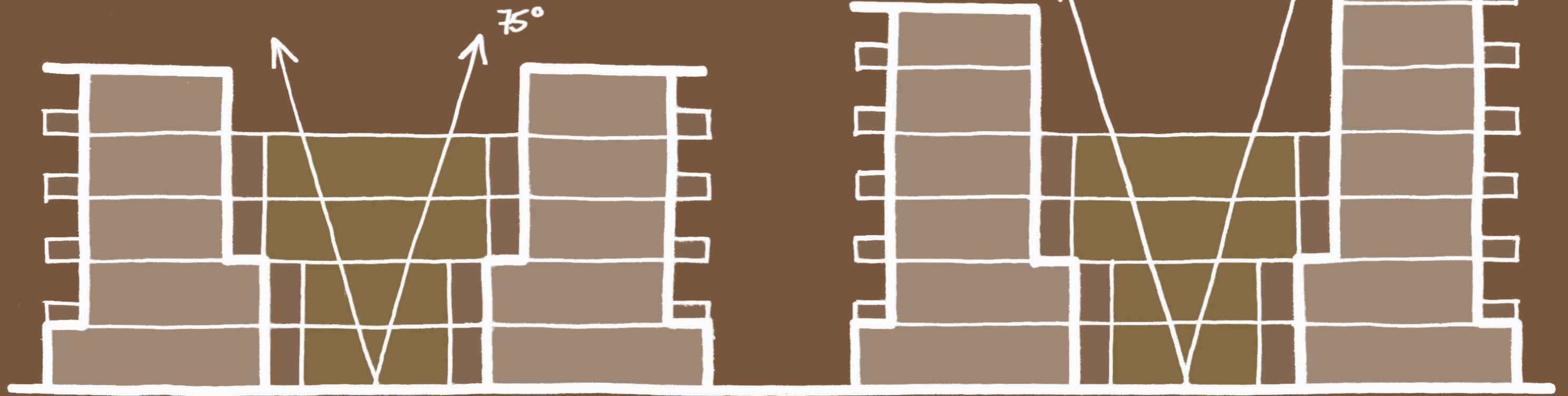
GALLERIES
AROUND THE
COURTYARD
STOP ABOVE
FOURTH
FLOOR →
|SENSE OF
BELONGING
DECREASES



SETBACKS
CREATING
ACCESS GALLERIES
AROUND THE
COURTYARD
AND PRIVATE
TERRACES/
VERANDAS
ON THE CLUSTER
PERIPHERY

GREEN ROOFS
ADDED FOR
PROTECTION
AGAINST SUN
AND RAIN

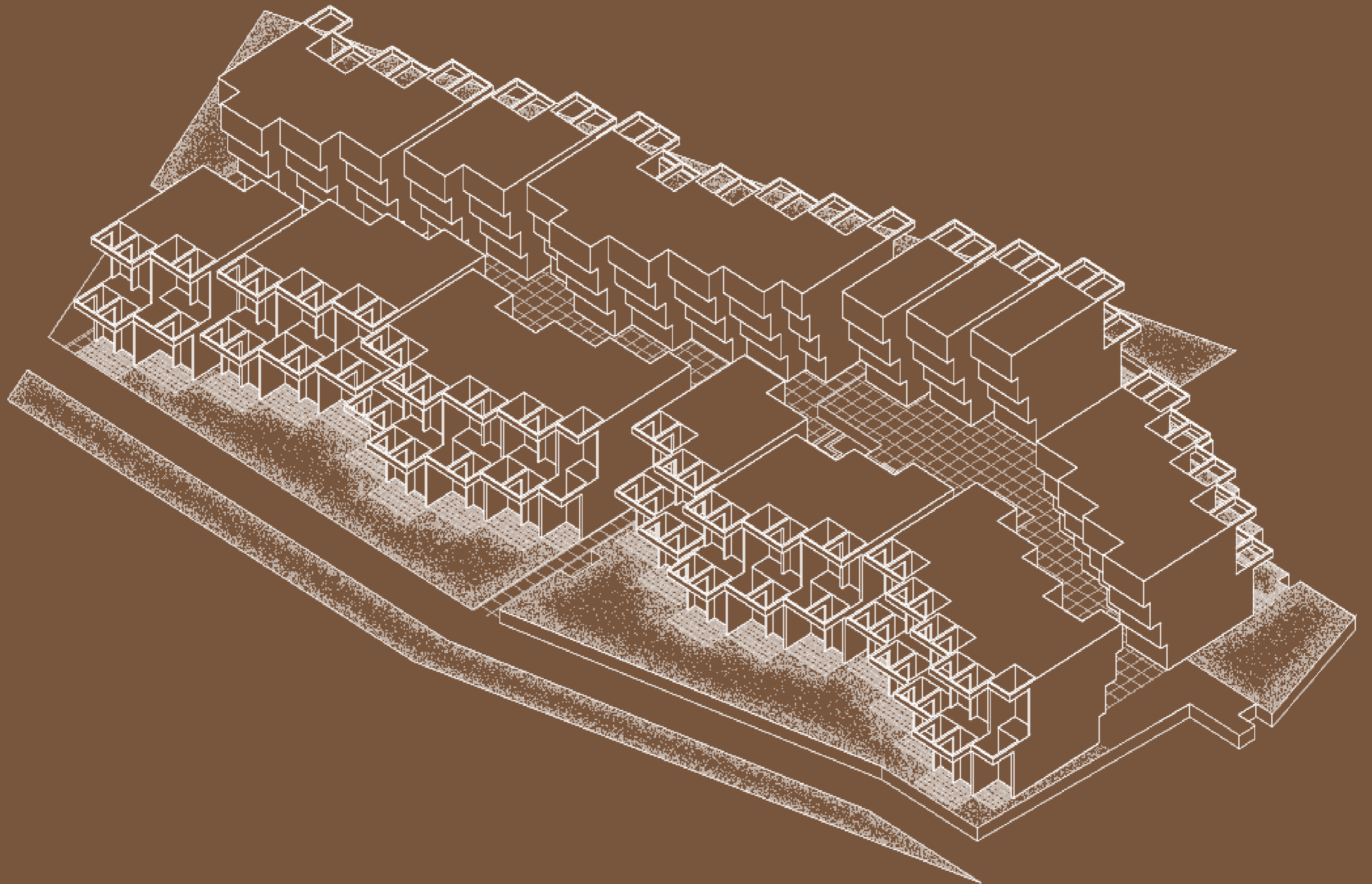
SETBACKS RULES AREN'T NEEDED FOR CLUSTER'S PERIPHERY SINCE ITS FACING OFTEN THE POND / FIELD / BAZAR, BUT IS NEEDED TO CREATE A PLEASANT COURTYARD



75° SETBACK ANGLE IS IDEAL FOR PROVIDING DAY LIGHT ON LOWER LEVELS

RULES ARE DEFINING MAXIMUM BUILDING HEIGHTS AND DENSITY

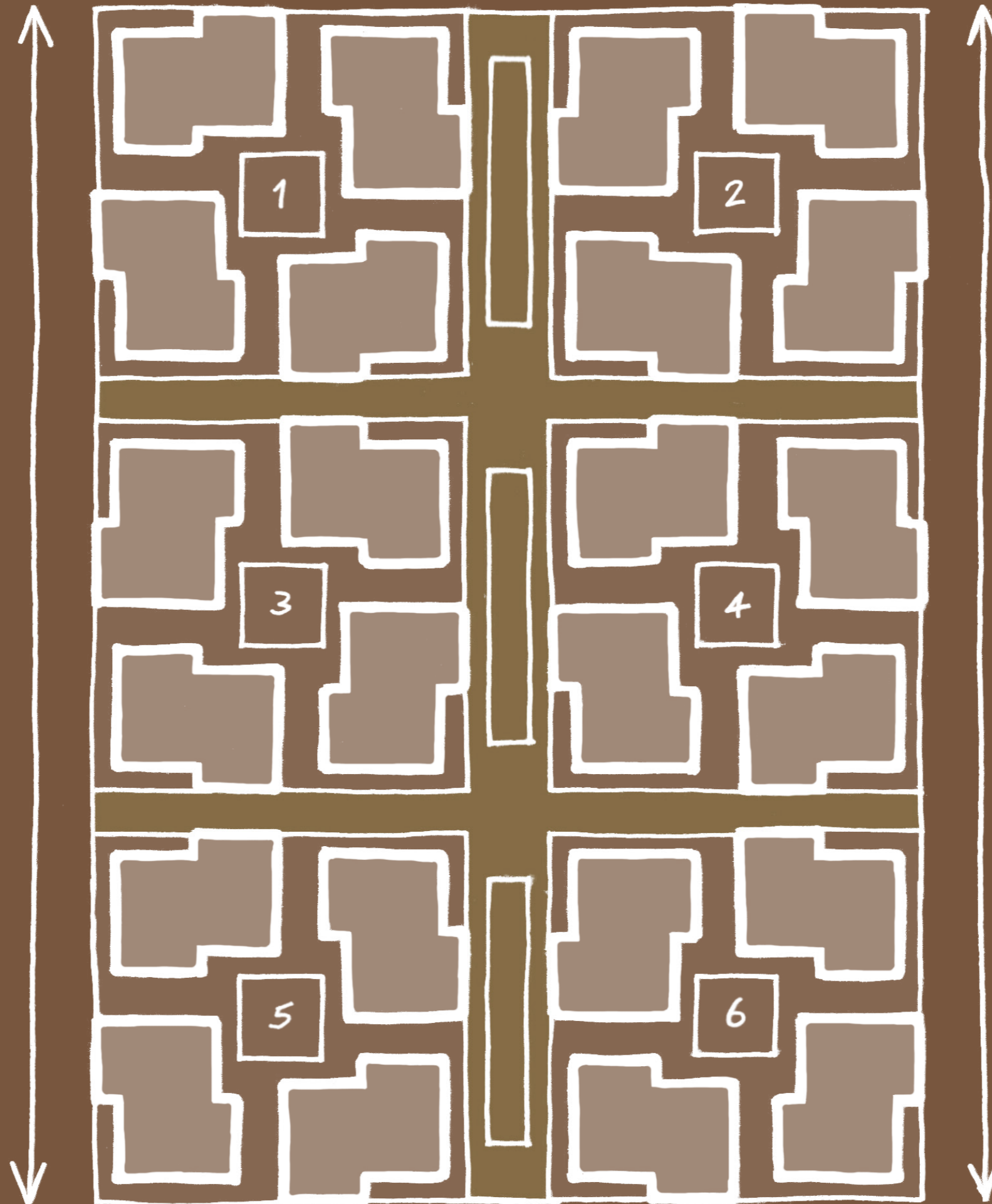




Tara Apartments Spine

CLUSTERS ARE RAISED ON 0,8 M HIGH PLATFORM IN ORDER TO BE PROTECTED FROM FLOODS IN RAIN SEASON

AROUND THE PLATFORM, TWO VEHICLE ROADS ARE SITUATED FOR CARS AND EMERGENCY



CLUSTERS ARE REPLICATED SIX TIMES TO CREATE THE MASTERPLAN FOR LALADIGHI

9,6 M WIDE STREET FROM NORTH TO SOUTH IS INTRODUCED TO FUNCTION AS THE MAIN PUBLIC SPINE

02 Management



Current

0,29 GSI

0,33 FSI

93 dwellings/ha

628 residents/ha

67 dwellings

67 lower income



Final

0,40 GSI
1,68 FSI

200 dwellings/ha
1274 residents/ha

144 dwellings
72 lower income
48 middle income
24 higher income

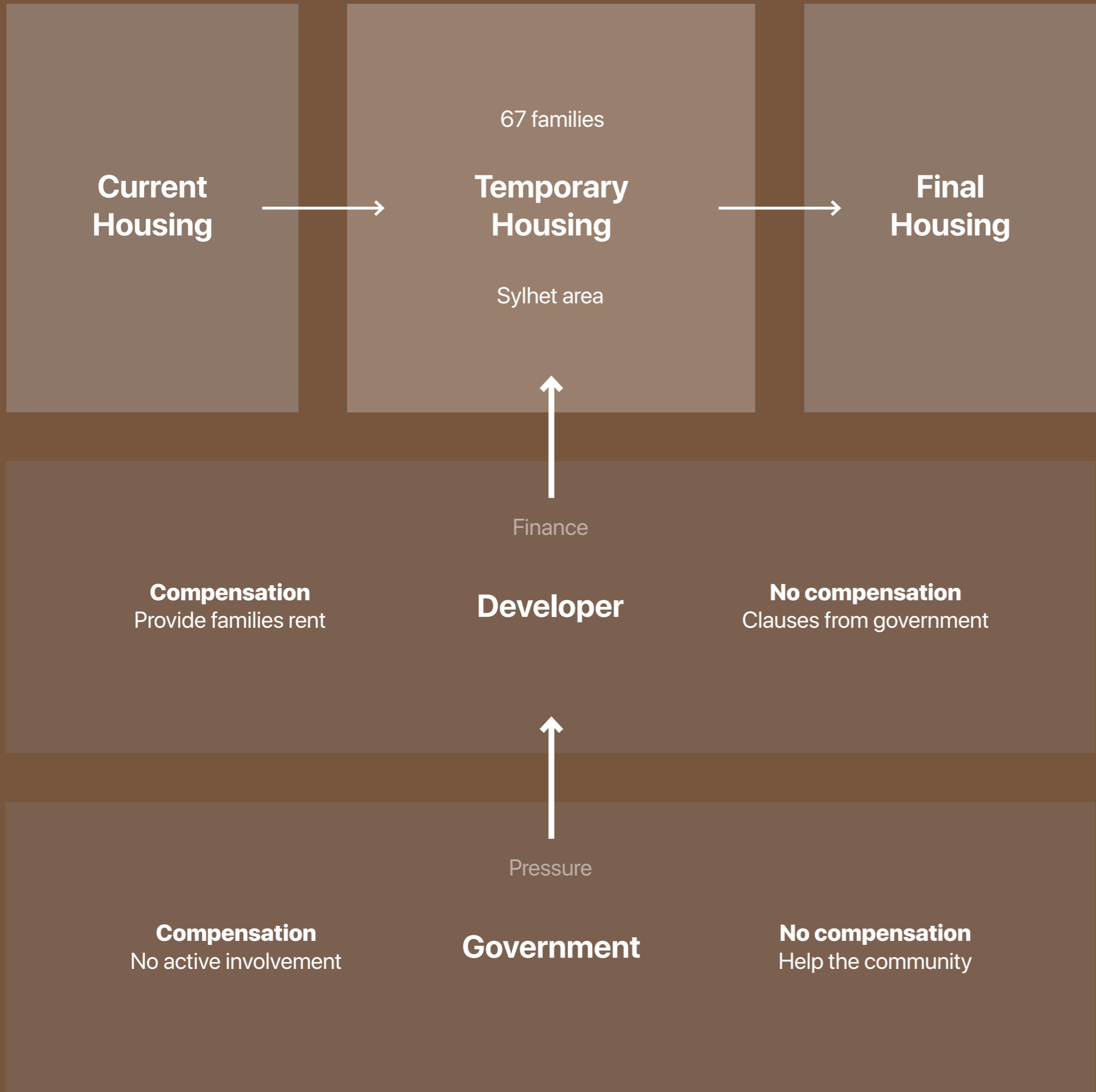
12 community spaces
36 commercial spaces
68 parking spaces



Strategy

Self-redevelopment
Cross subsidisation

One phase planning
2-3 years construction



Strategy

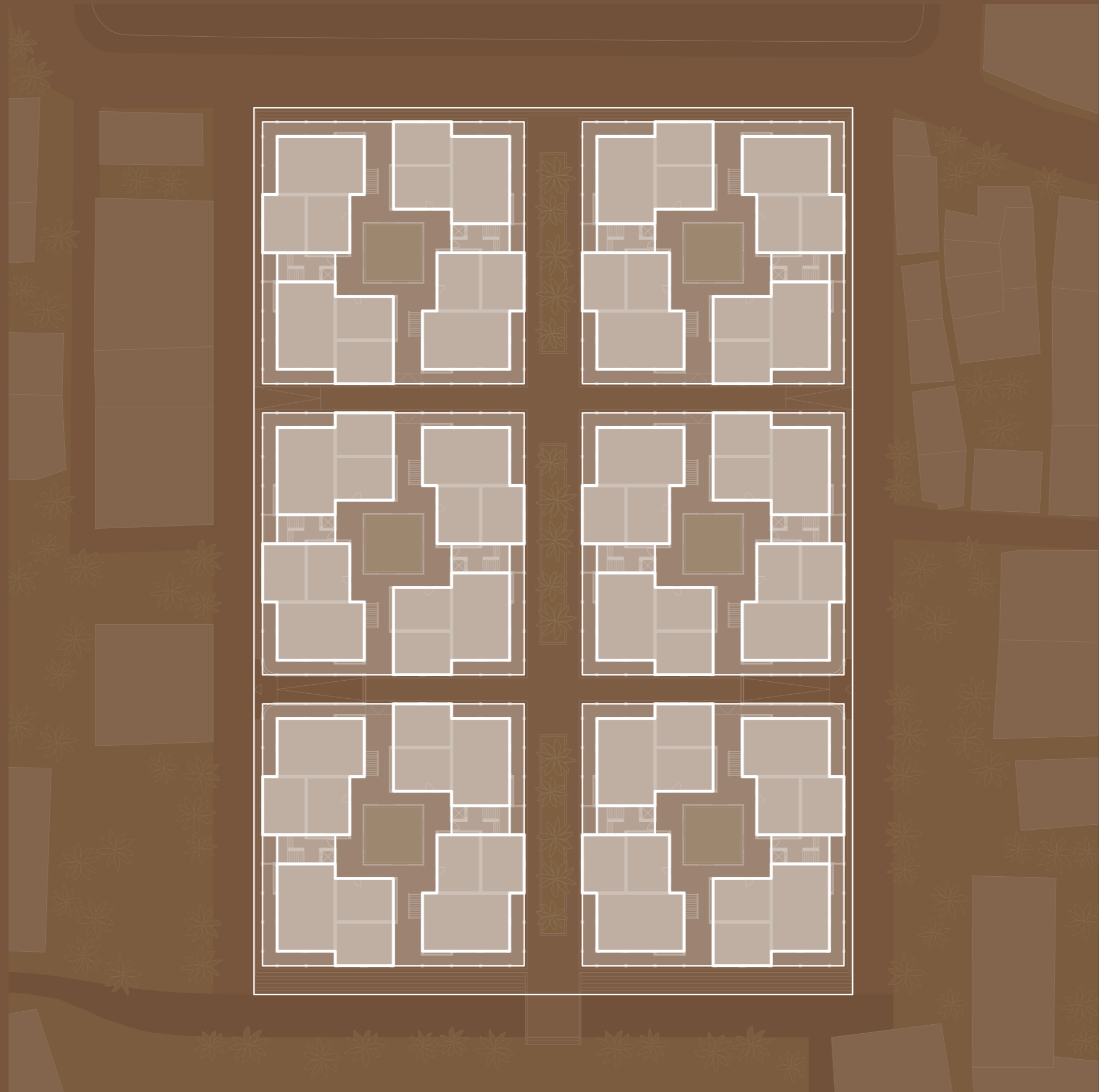
Temporary housing for families in Sylhet area

Community organisation in power of the process

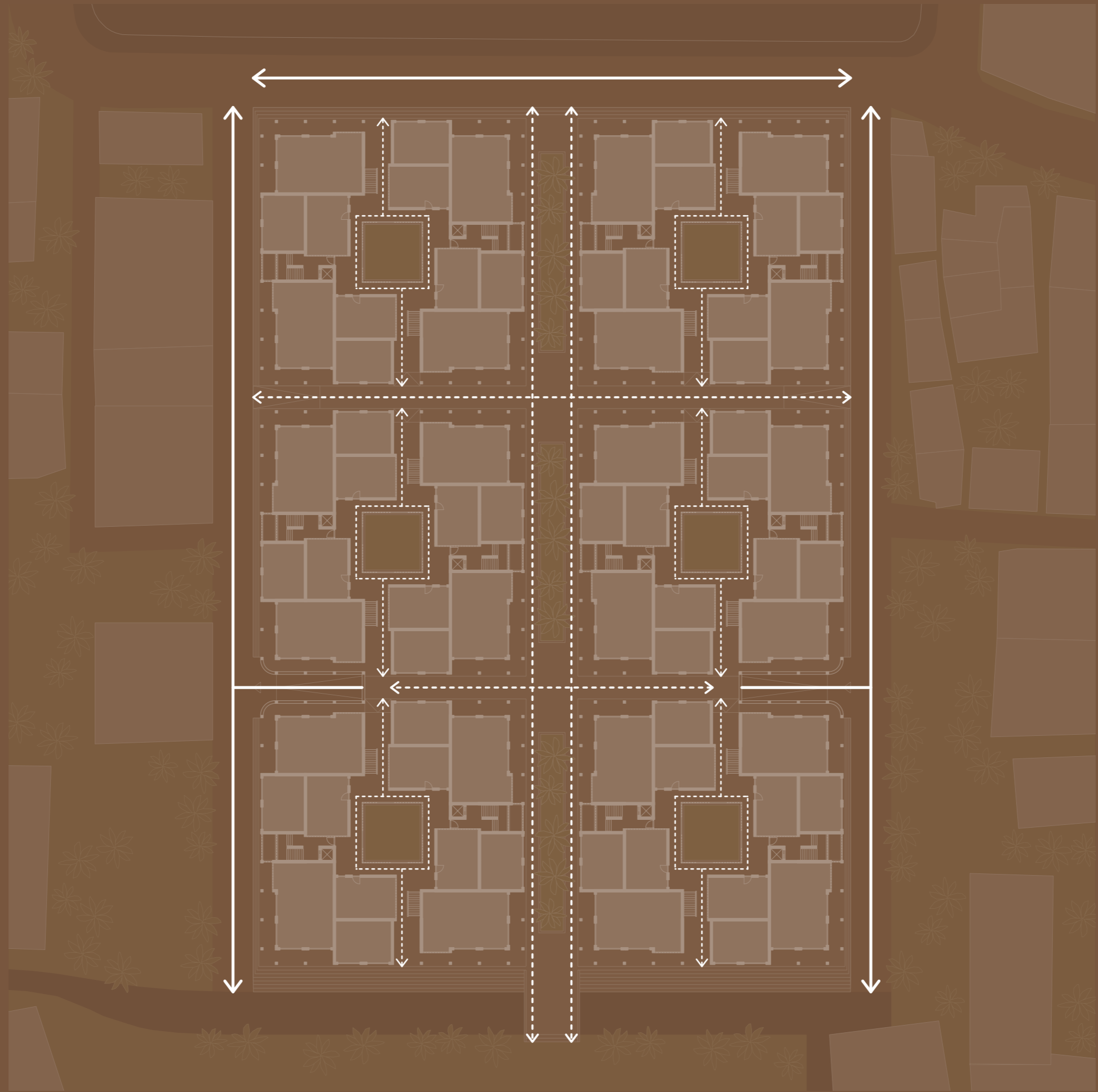
03 Urban



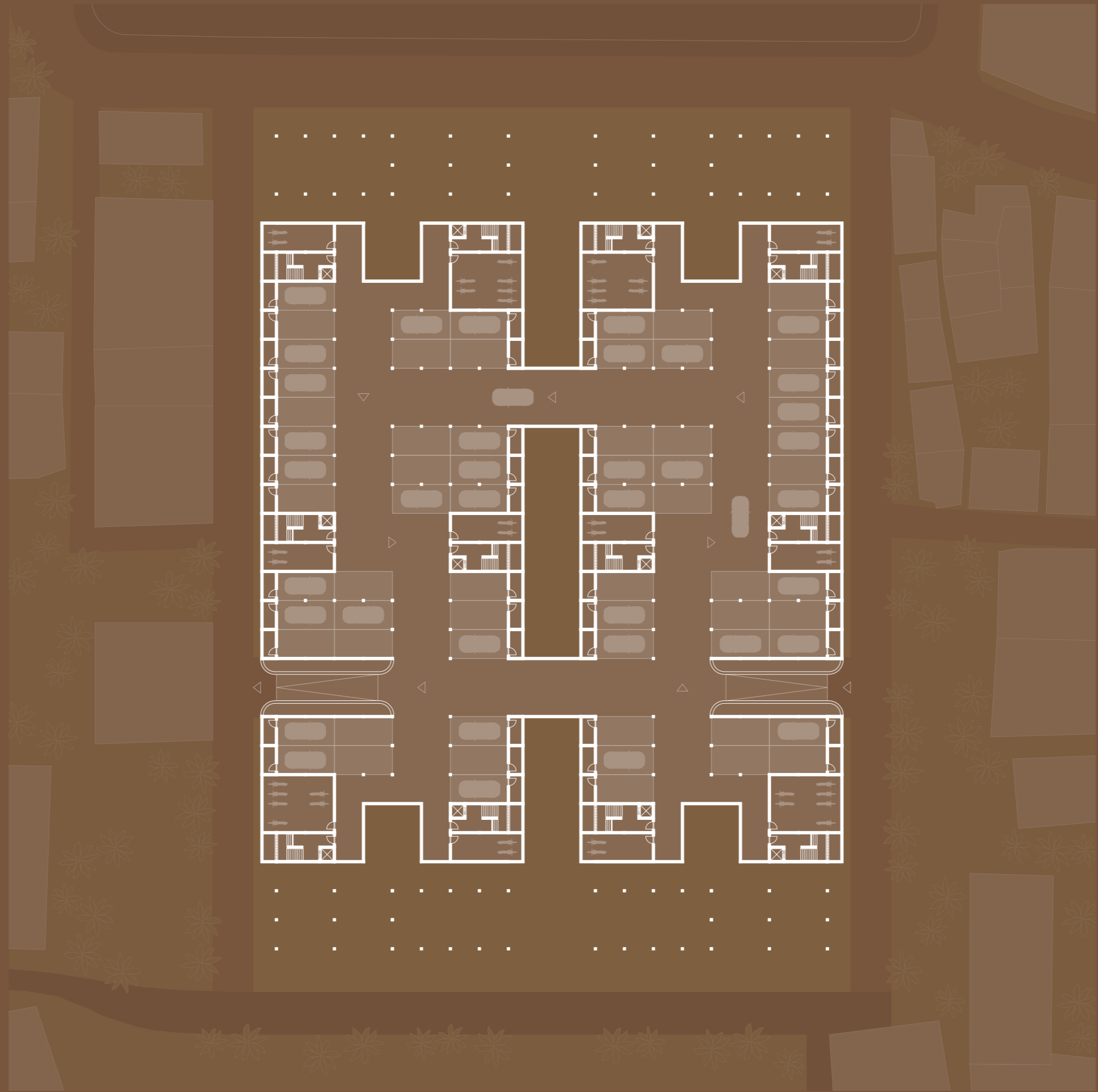
Situation Plan



Hierarchy Plan



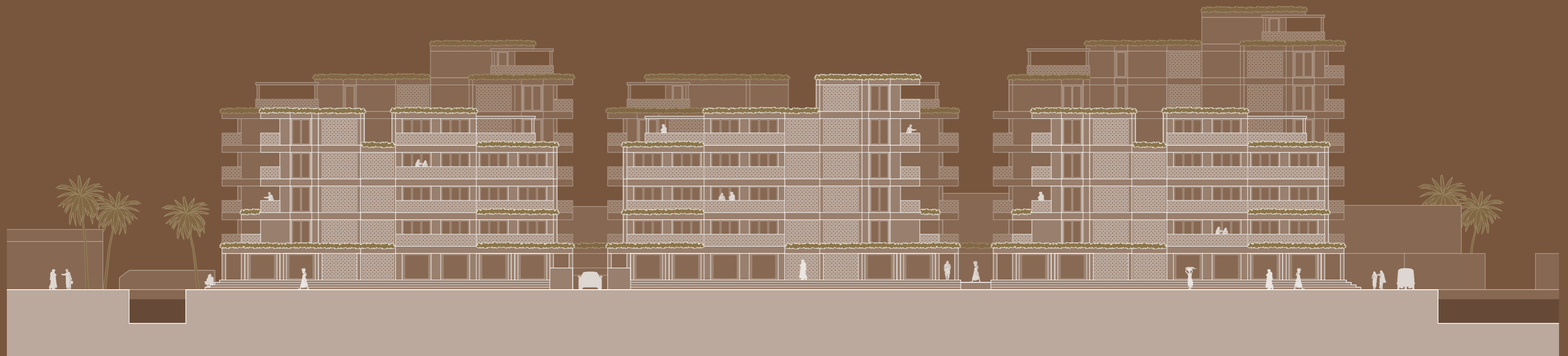
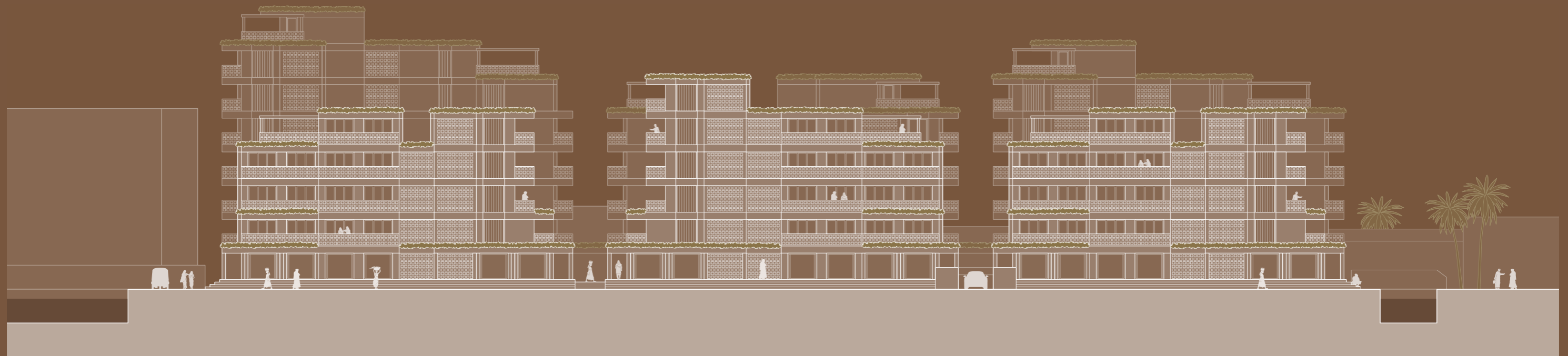
Circulation Plan



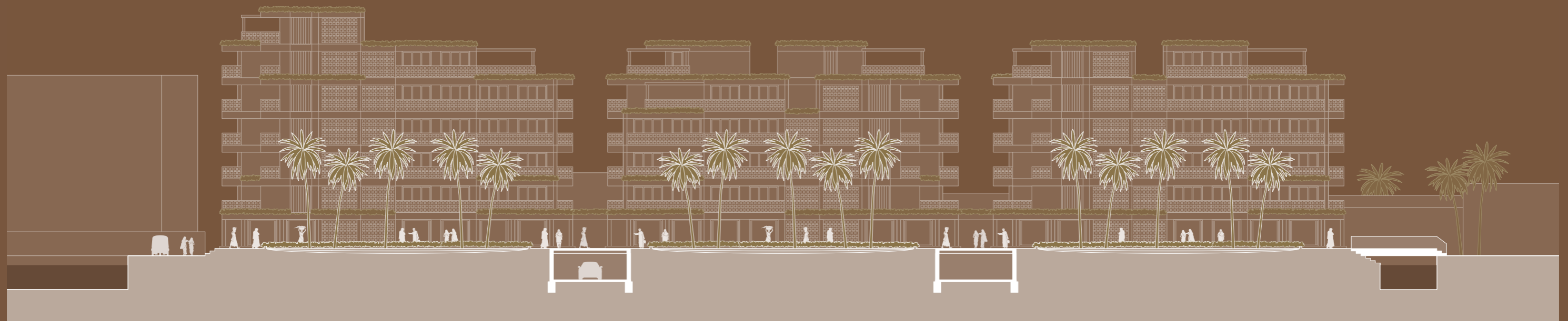
Parking Plan



Elevation North + south

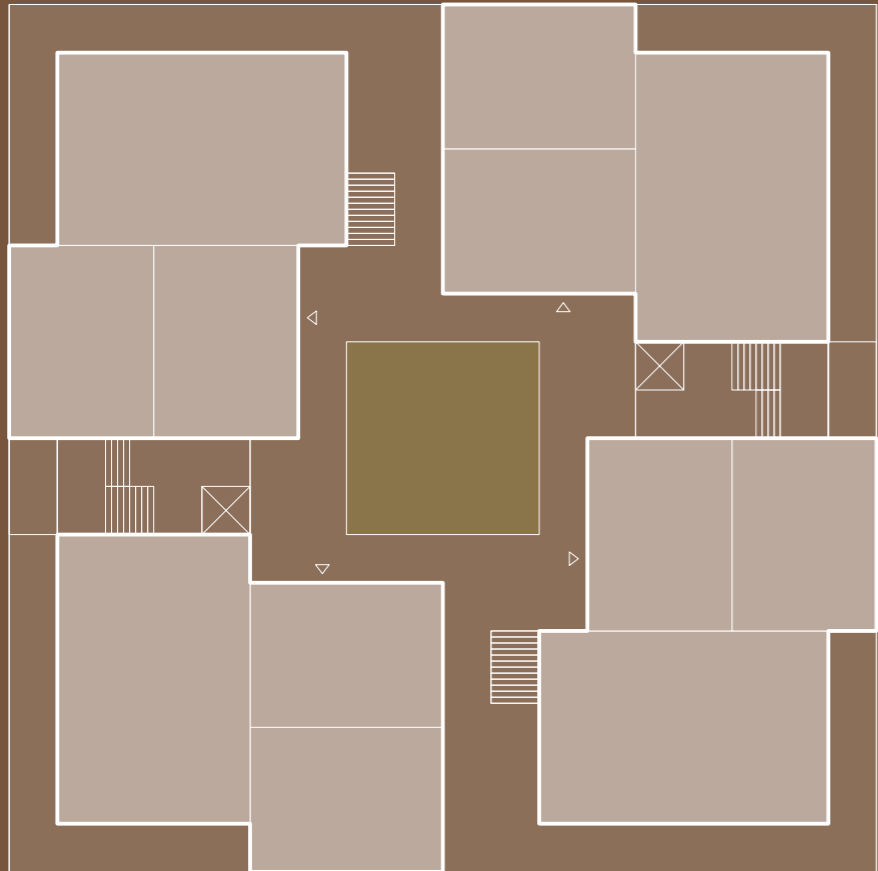


Elevation East + west

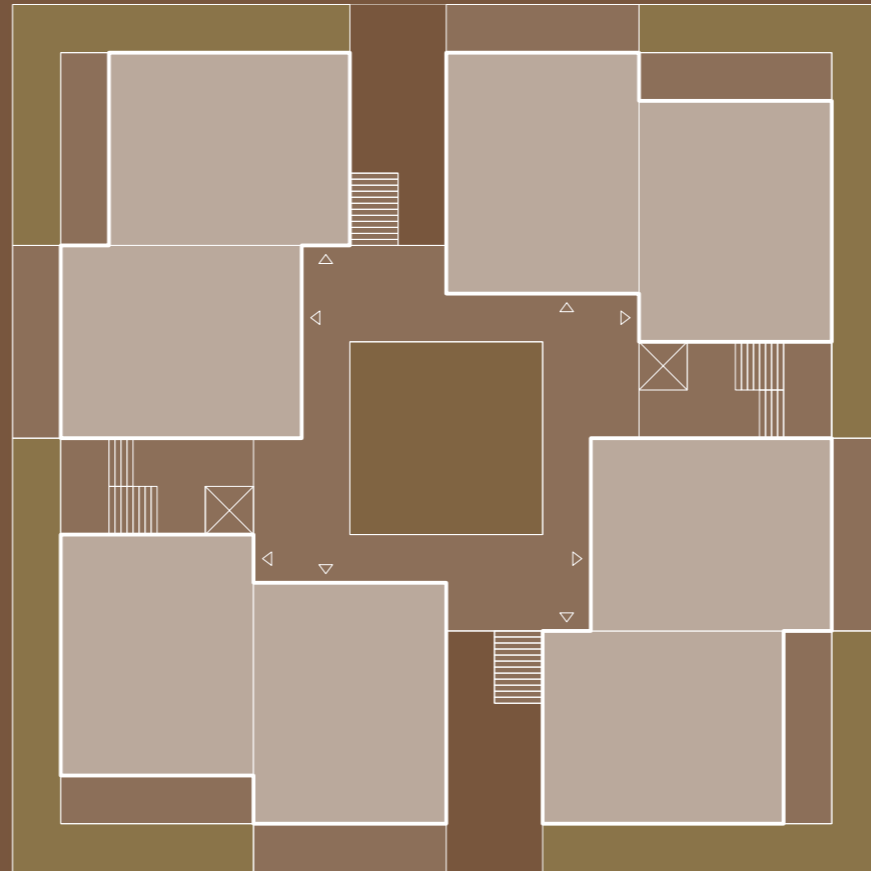


Section North-south + east-west

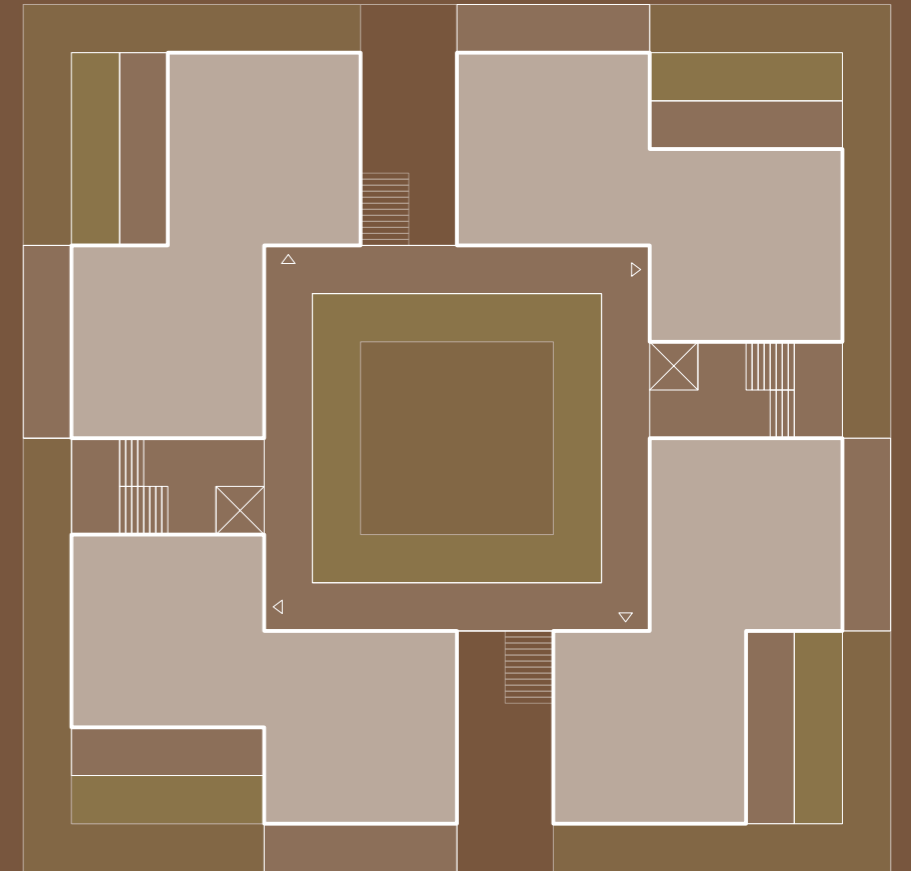
03 Cluster



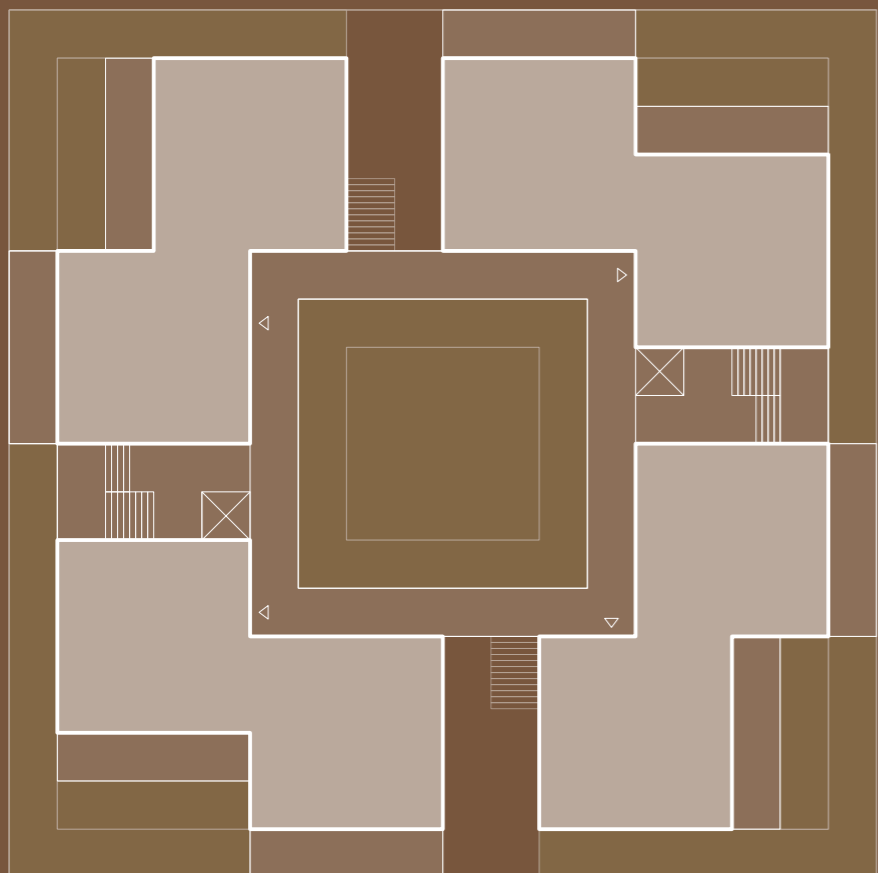
GF Low income + commercial



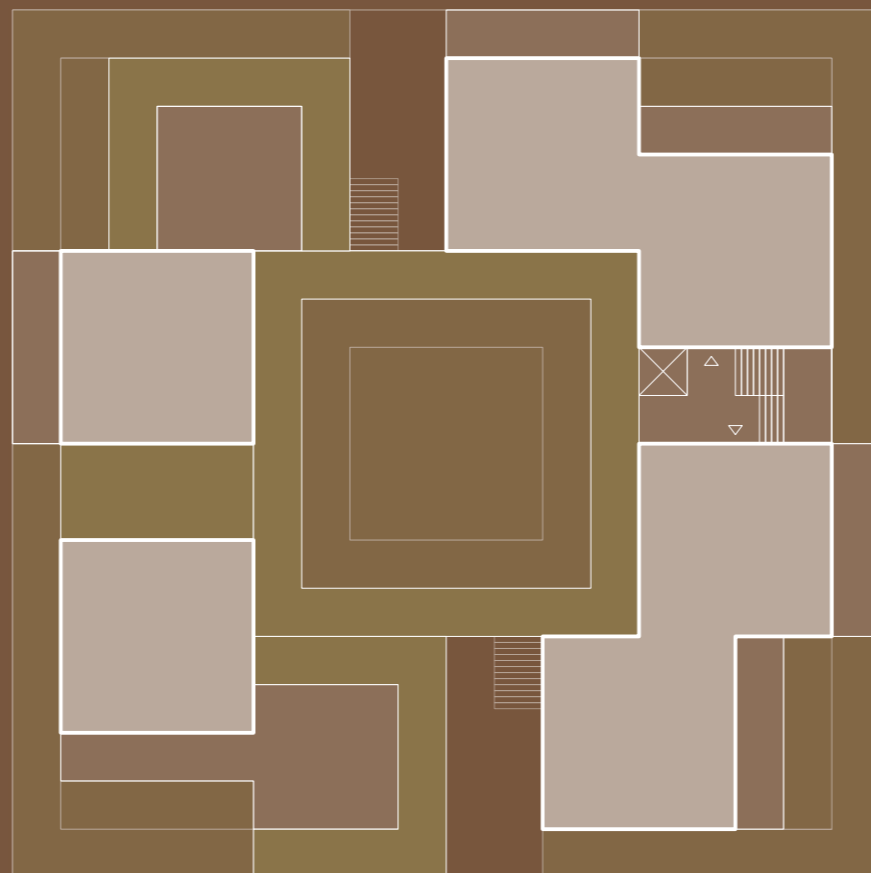
1F Low income



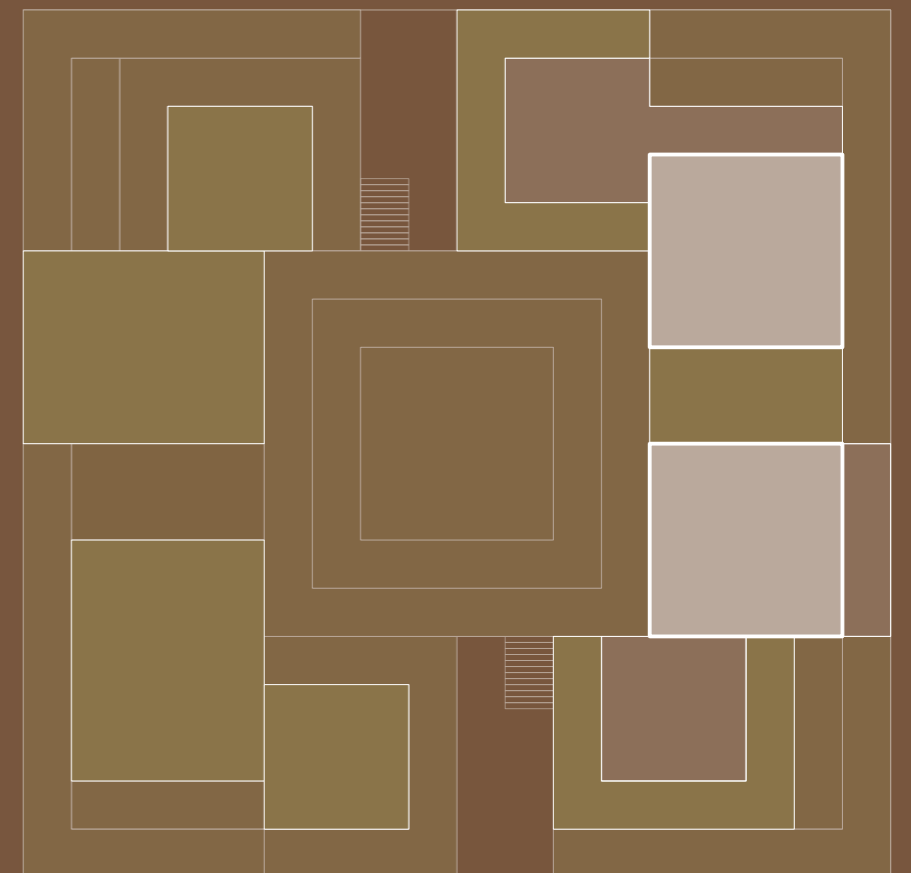
2F Middle income



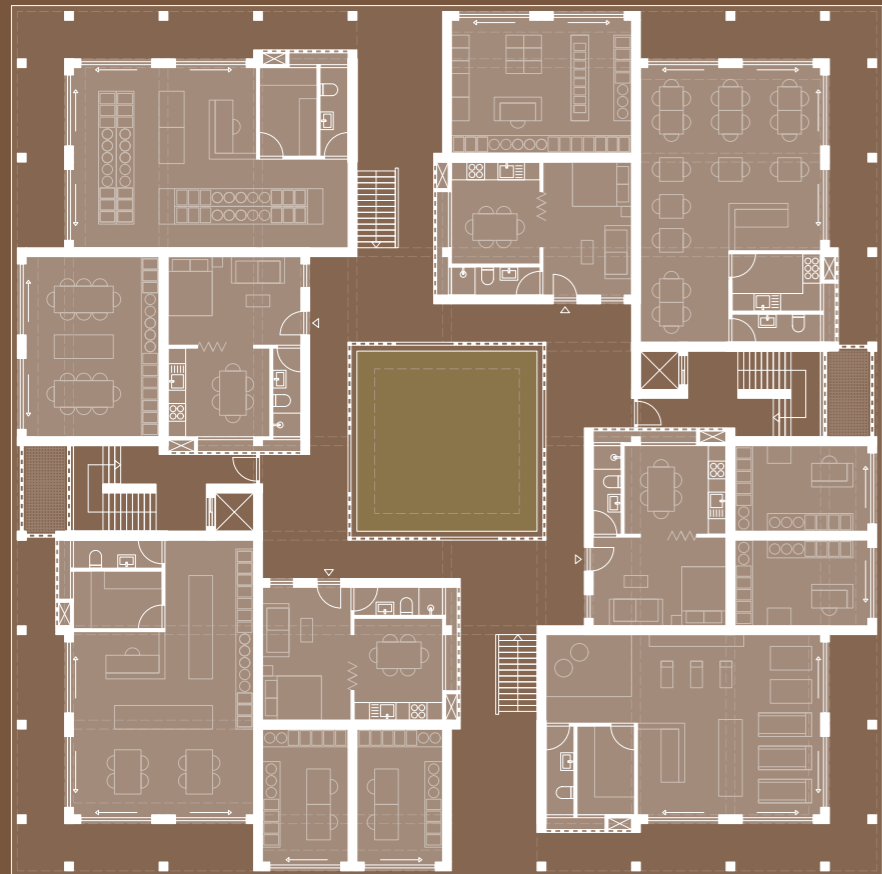
3F Middle income + high income



4F High income



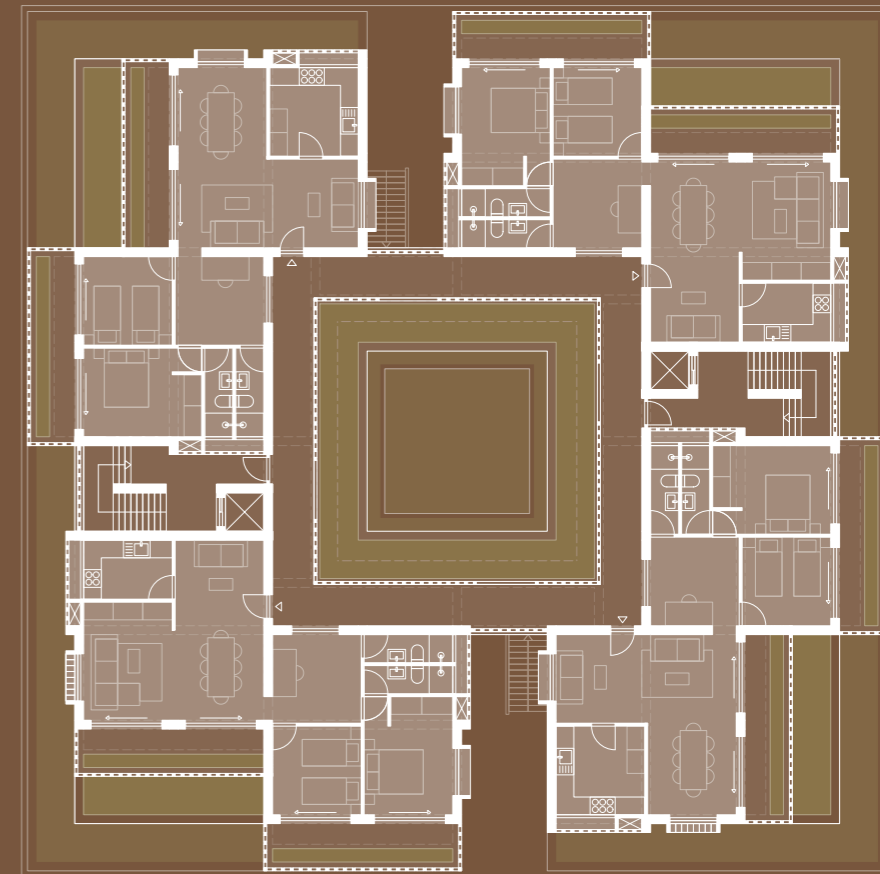
5F High income



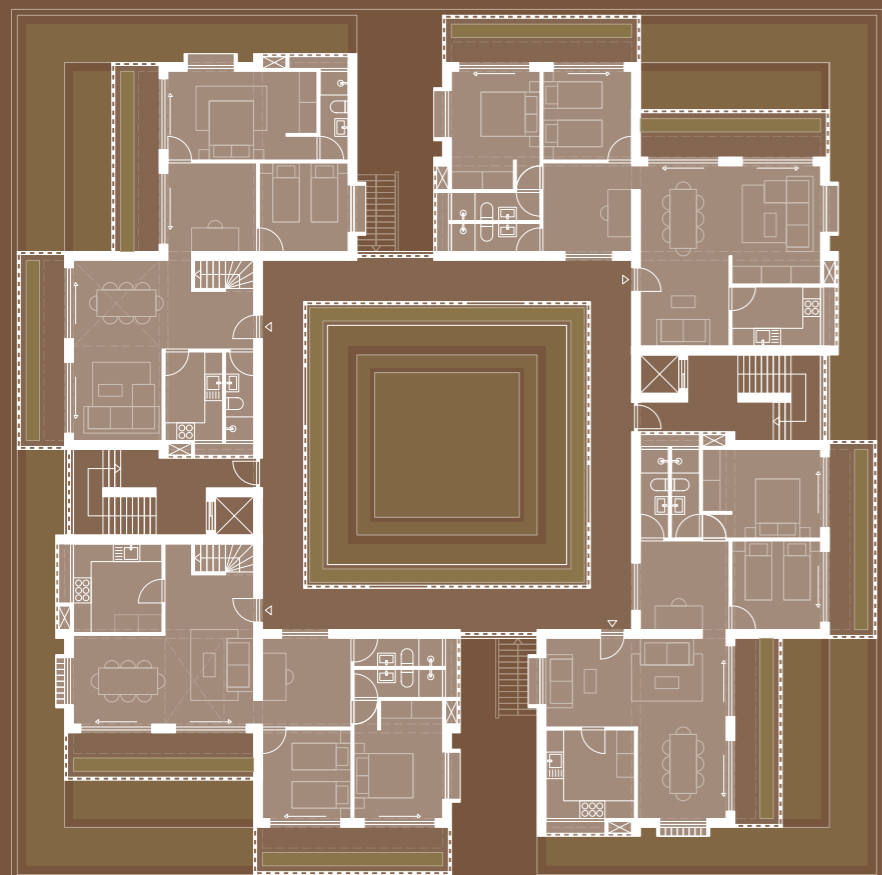
GF Low income + commercial



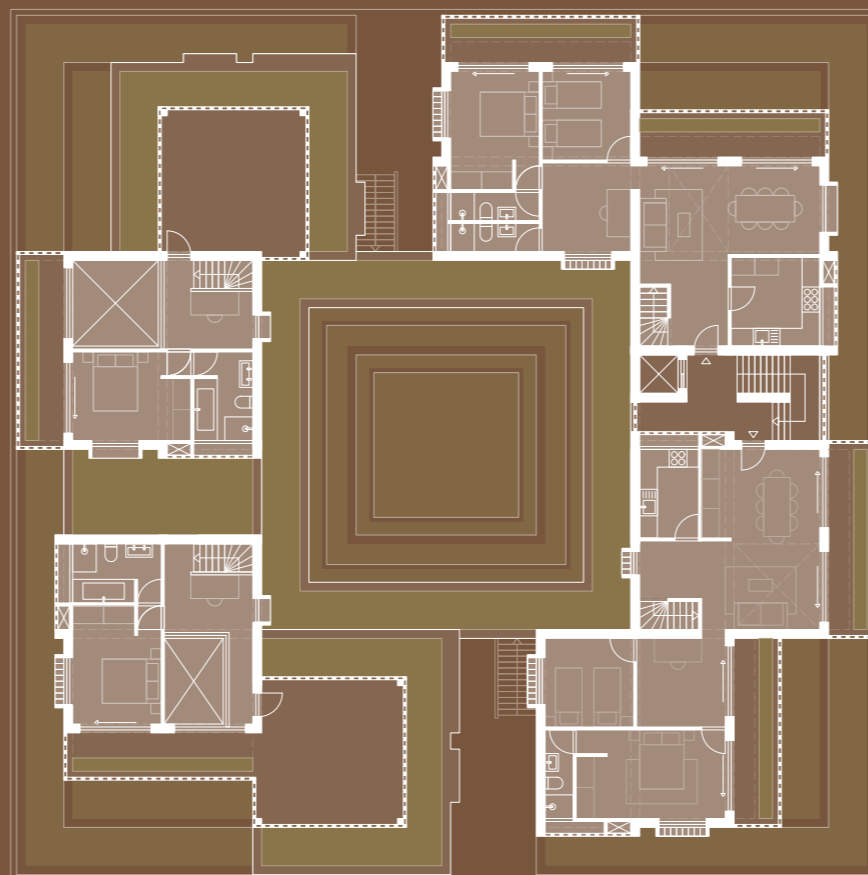
1F Low income



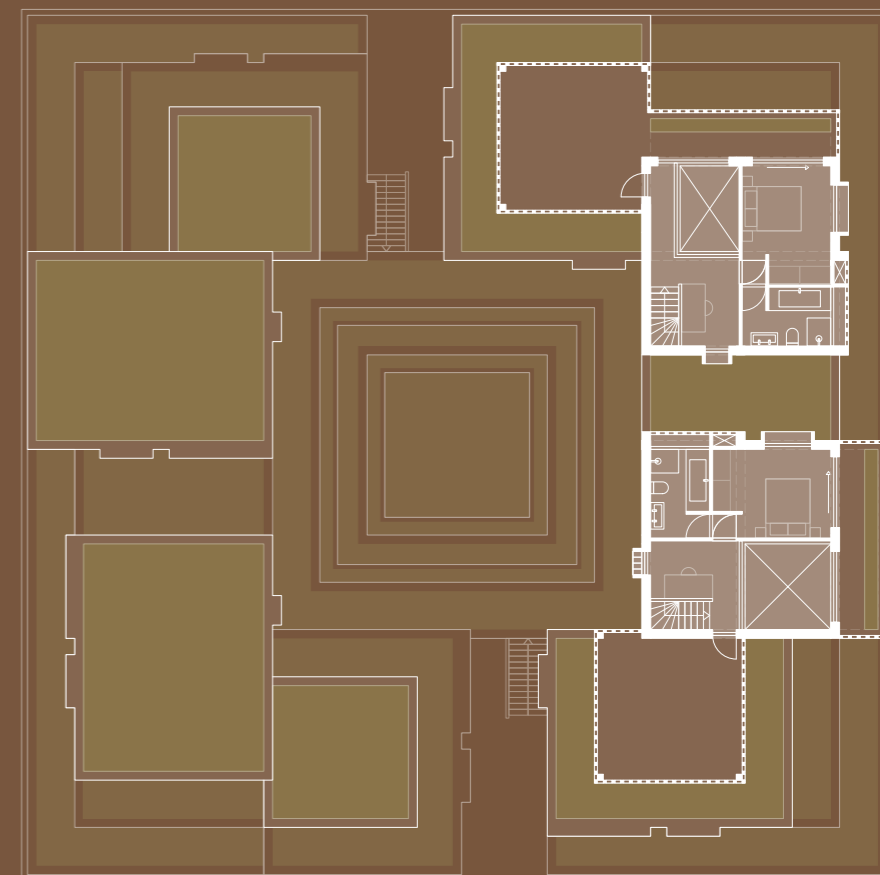
2F Middle income



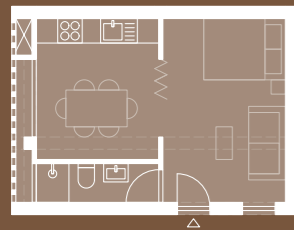
3F Middle income + high income



4F High income

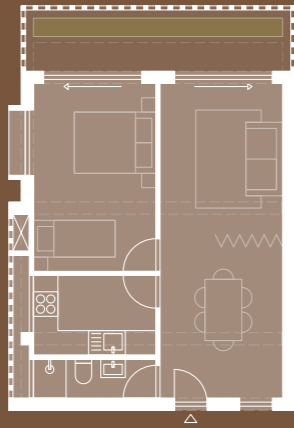


5F High income



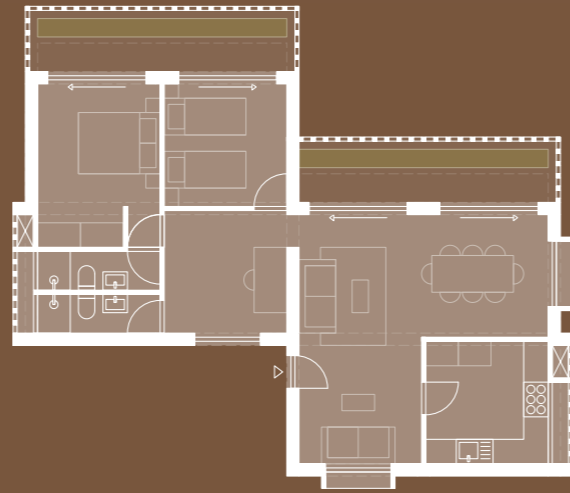
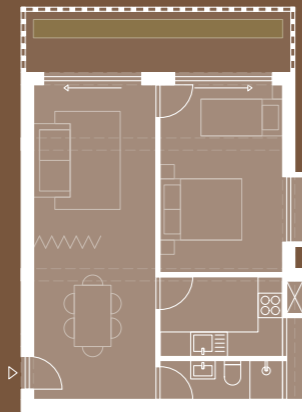
Low income

30 sqm inside
40 sqm courtyard
1 bathroom



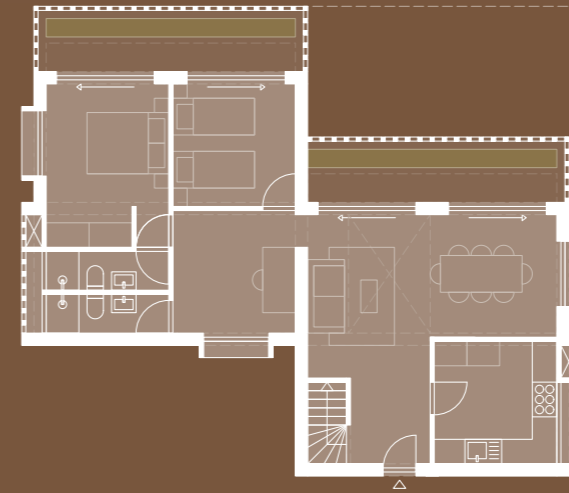
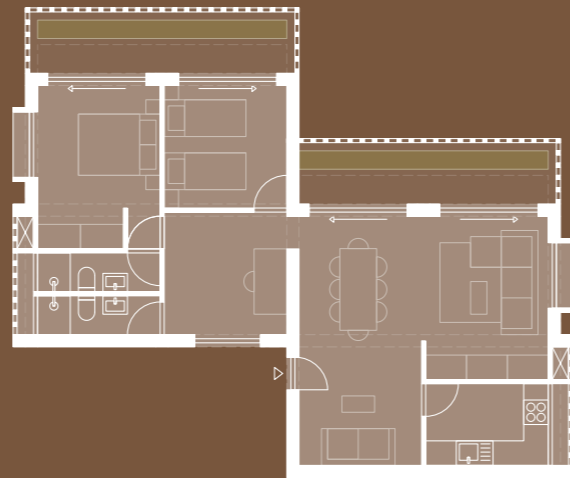
Low income

50 sqm inside
10 sqm veranda
1 bedroom
1 bathroom



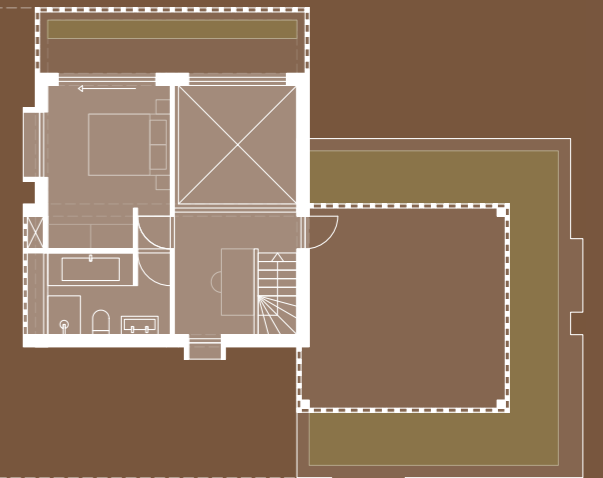
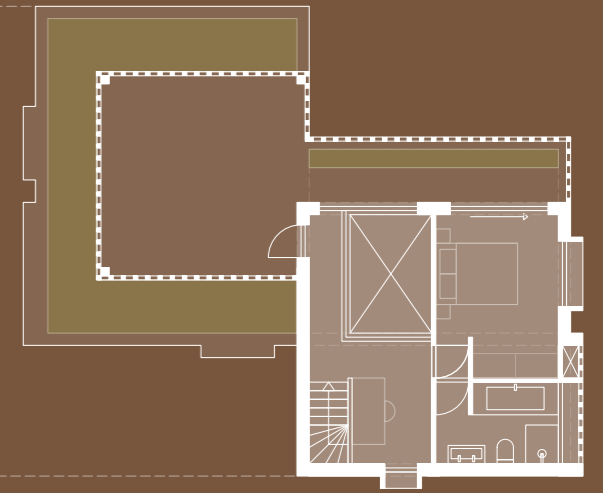
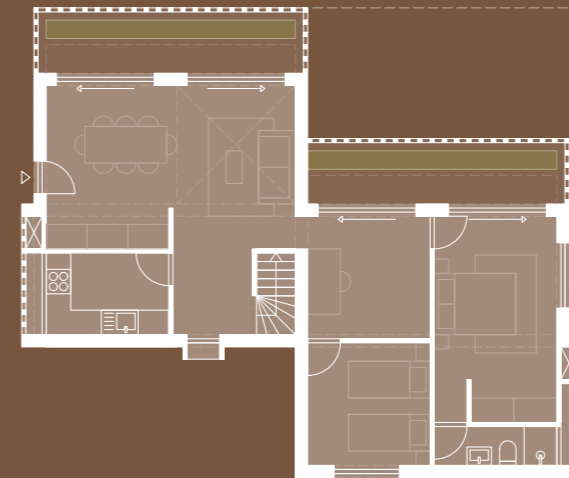
Middle income

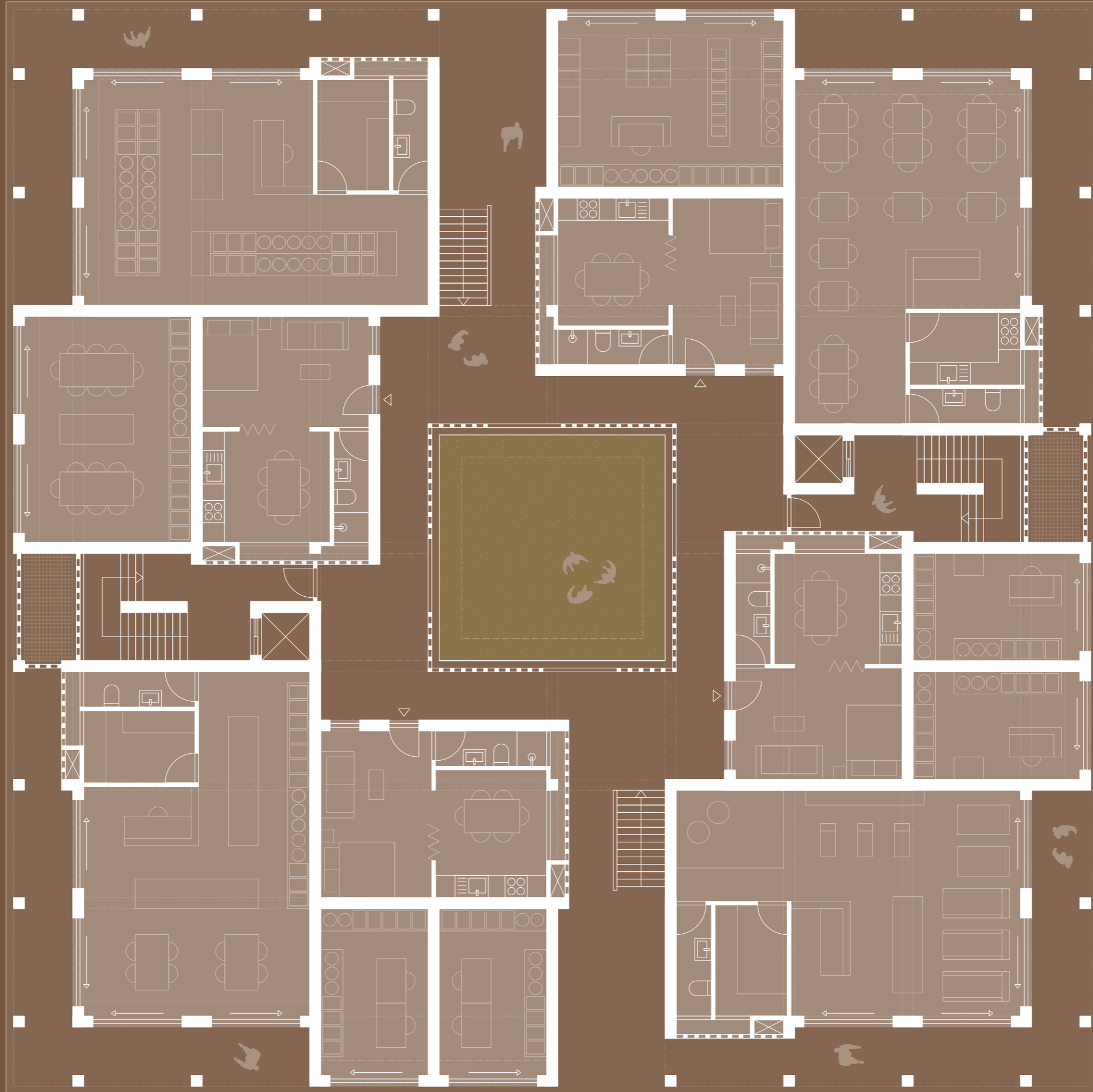
80 sqm inside
20 sqm veranda
2 bedrooms
2 bathrooms



High income

120 sqm inside
50 sqm veranda
3 bedrooms
3 bathrooms

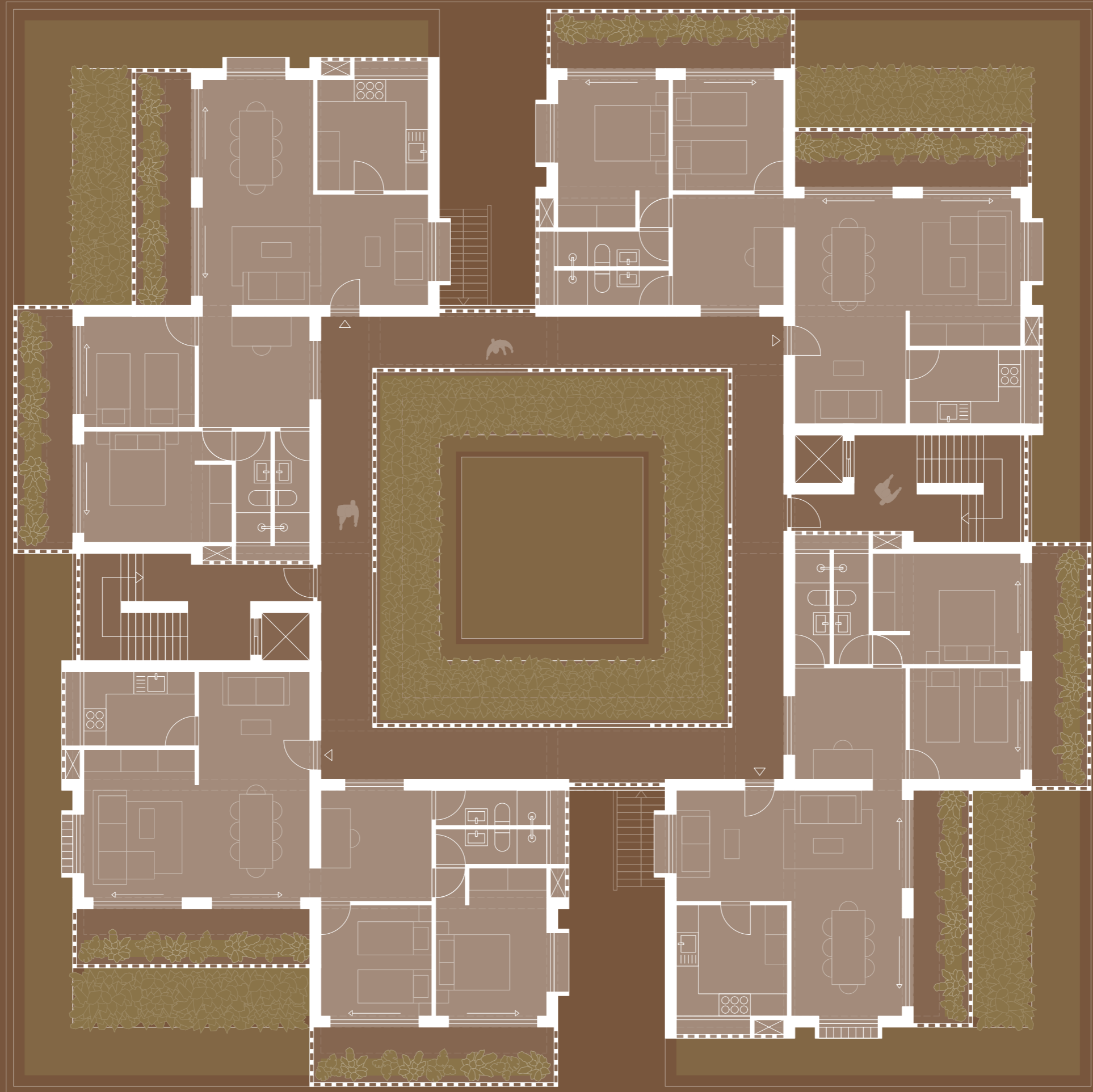




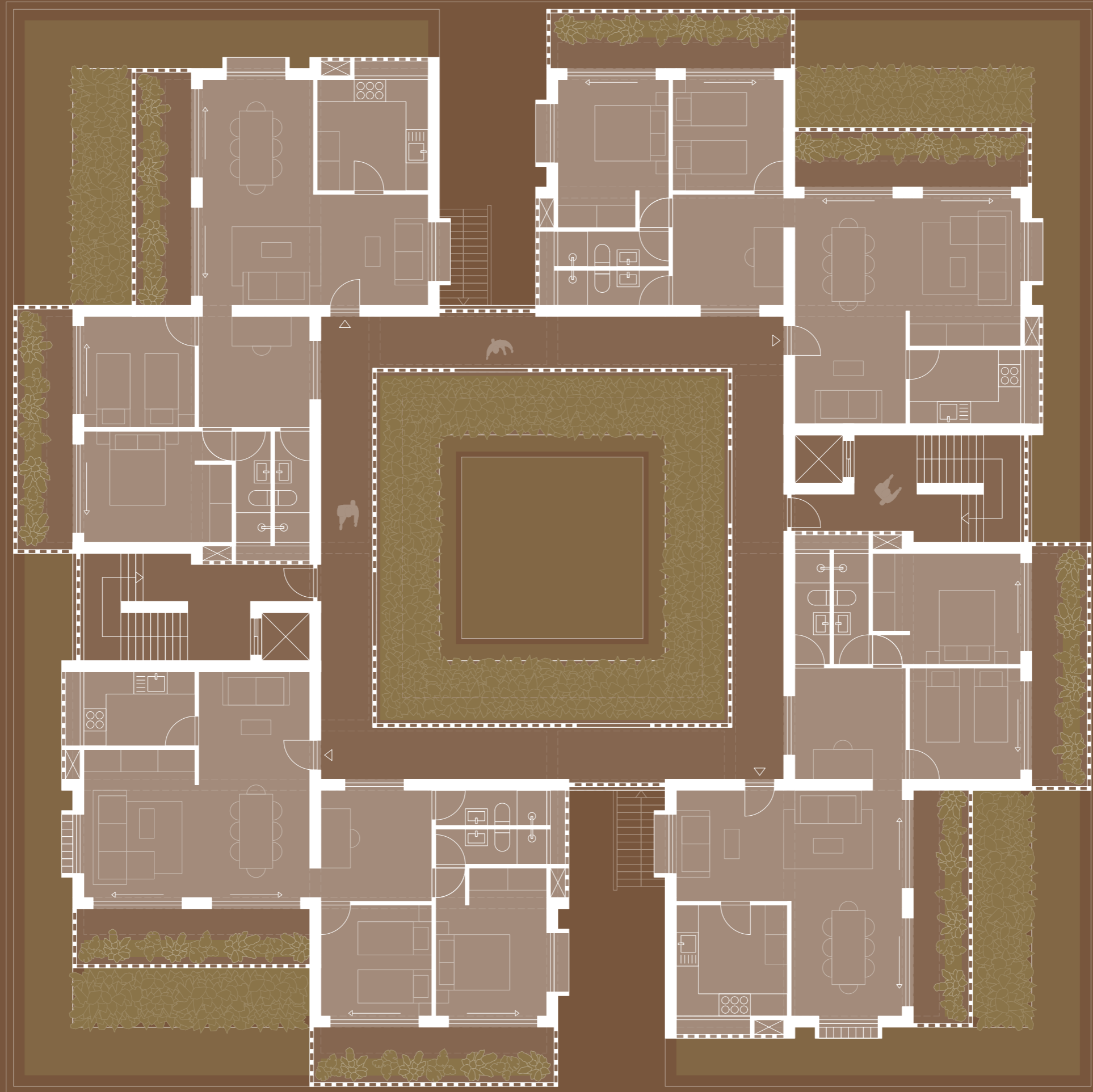
GF Low income + commercial



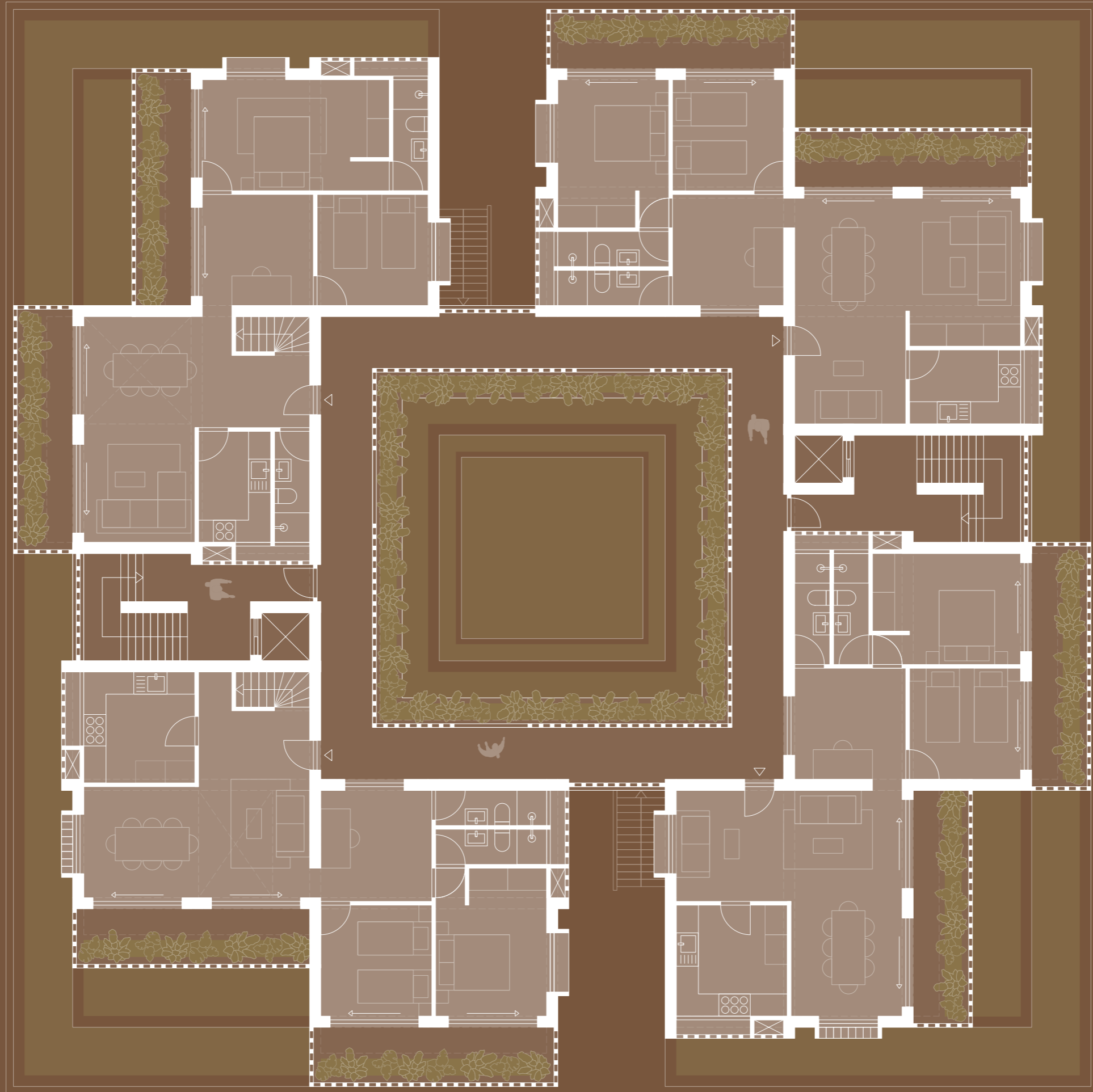
1F Low income



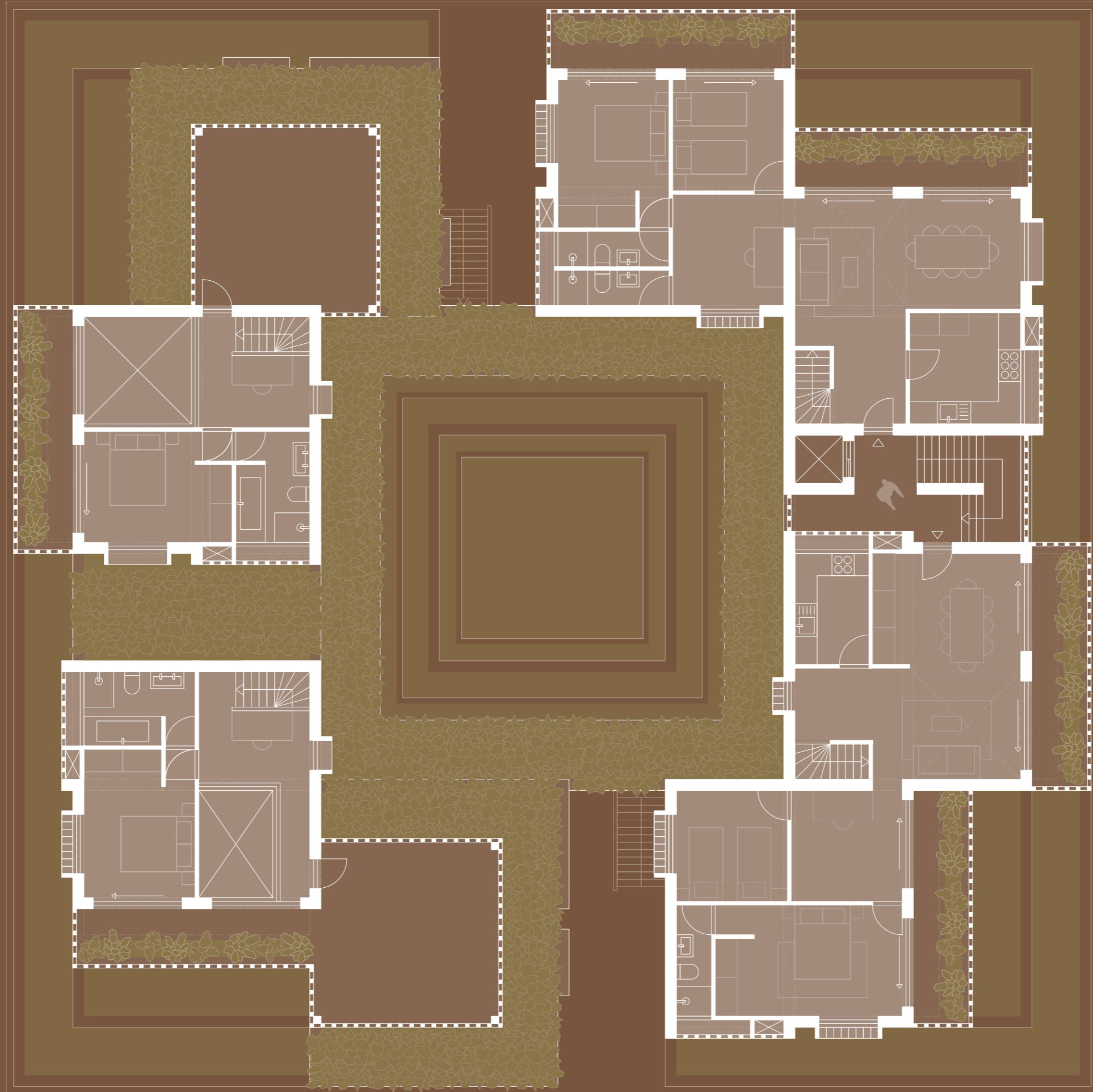
2F Middle income



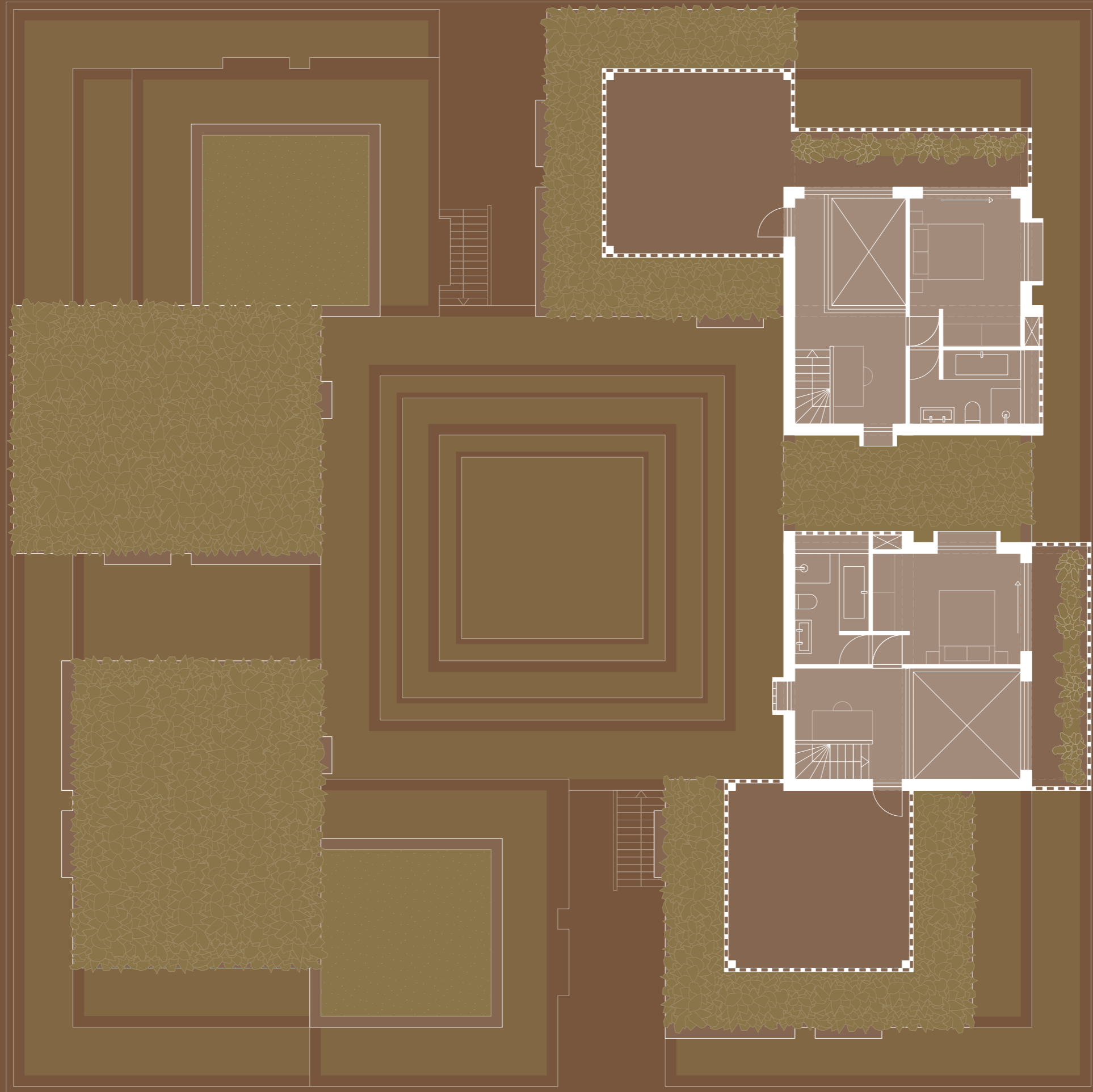
2F Middle income



3F Middle income + high income



4F High income

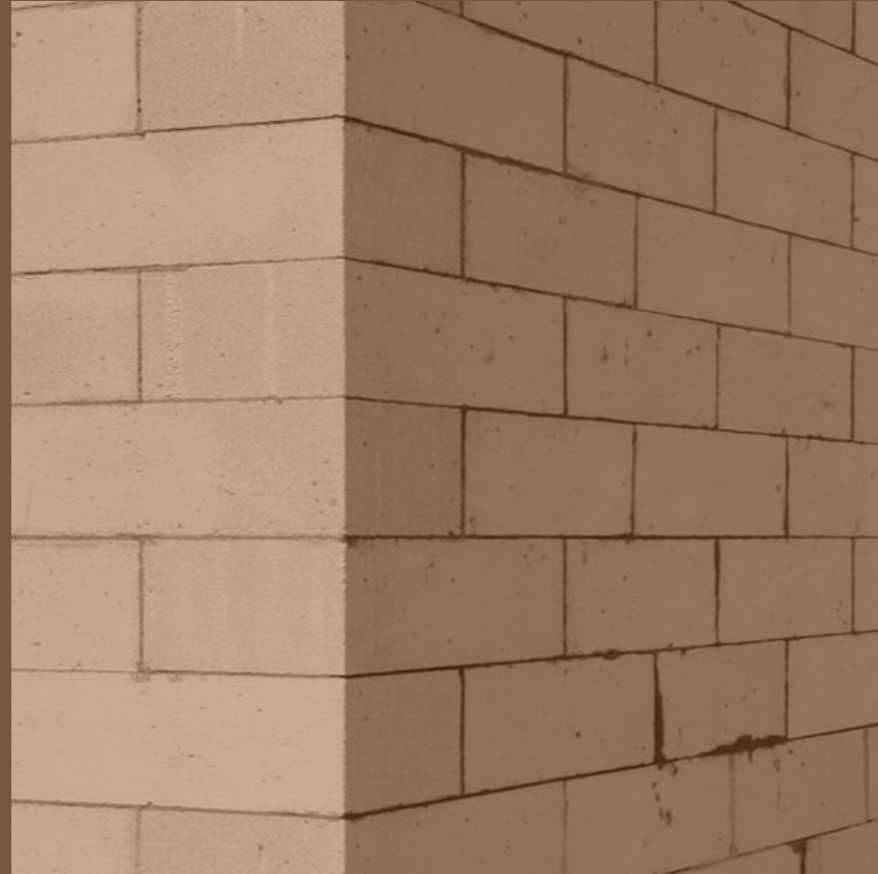


5F High income

04 Technology



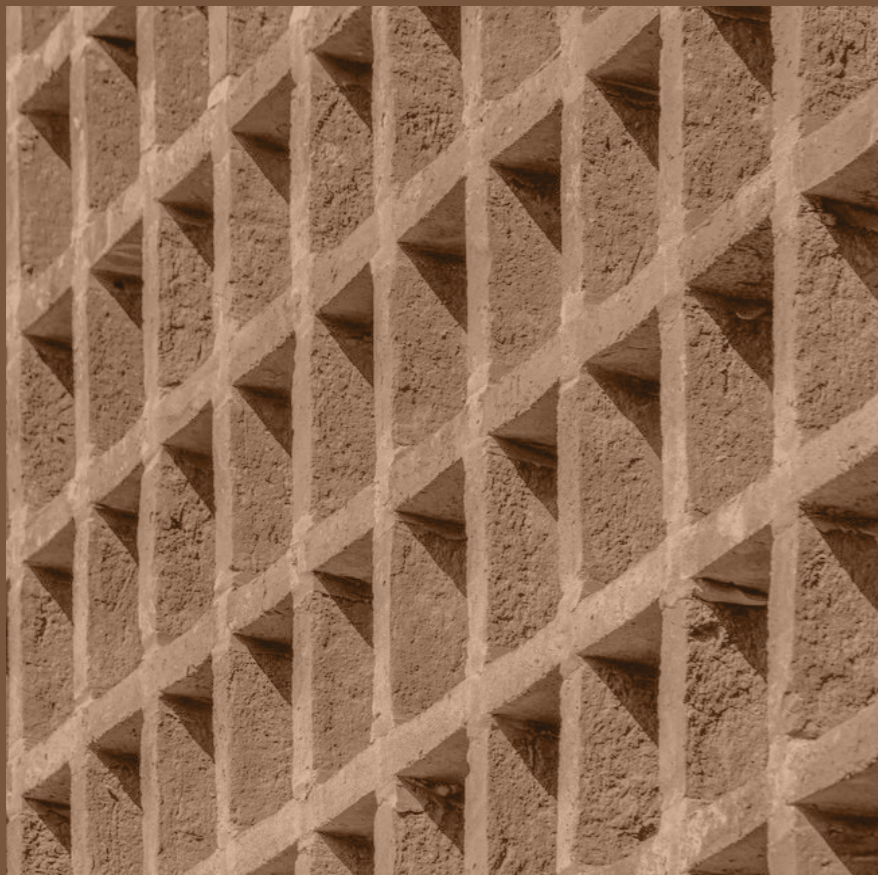
Concrete Structure



AAC blocks Infill



Cement plaster Finish



Fire brick Jali



Reclaimed brick Street



Terracotta tiles Terraces



Philodendrons Planter



Calathea Planter



Ferns Planter



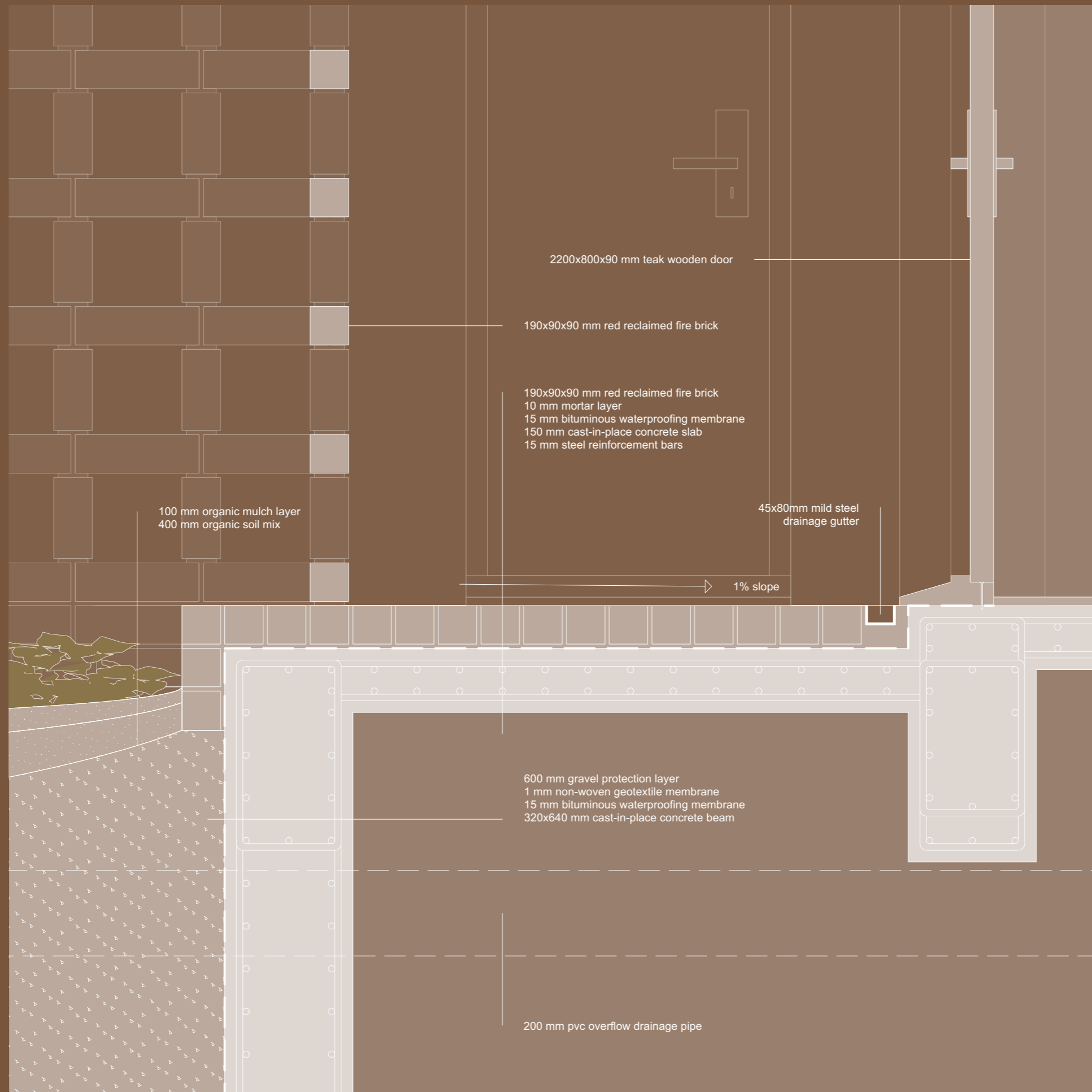
Vernonia Planter



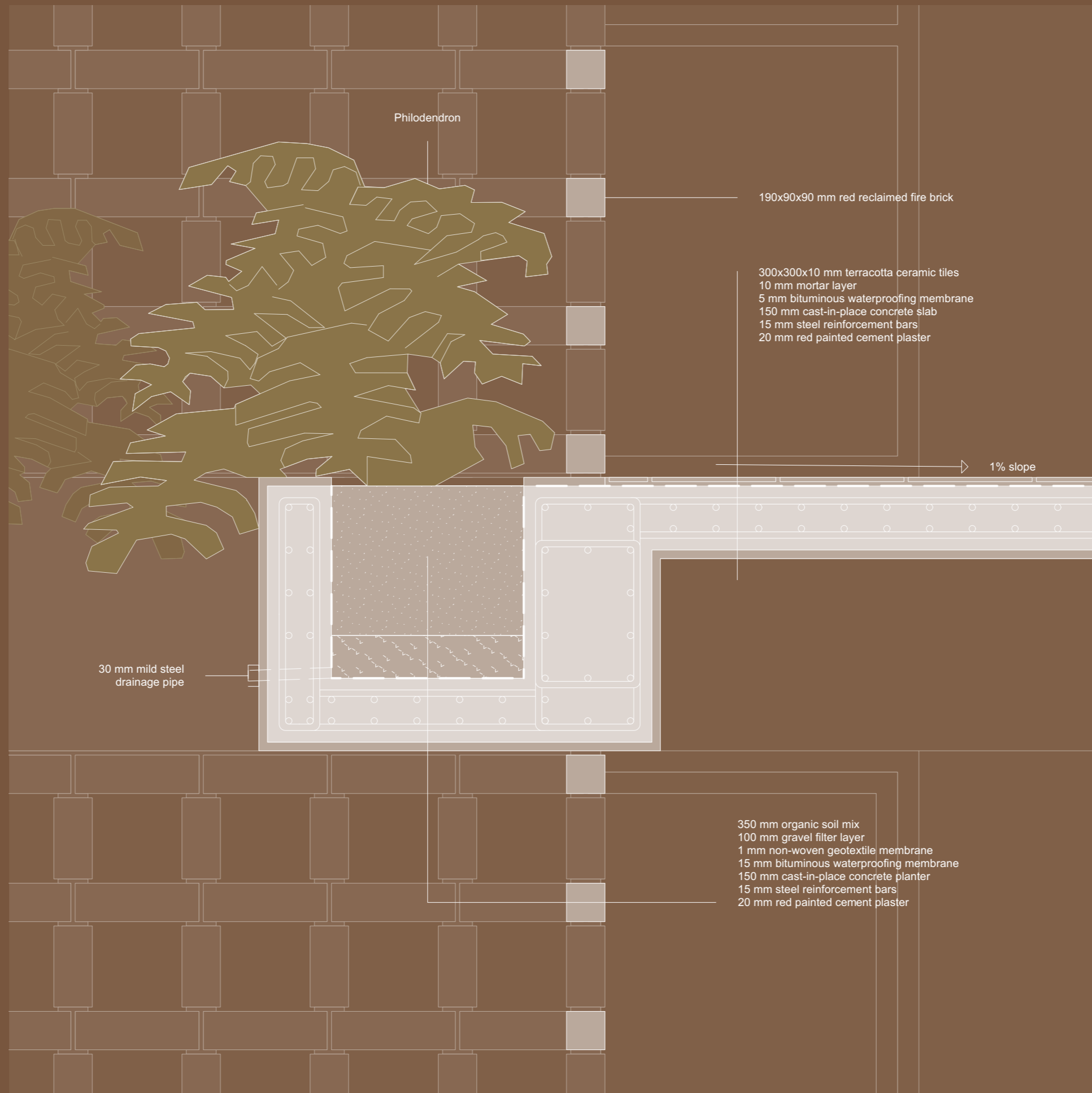
Palms Street



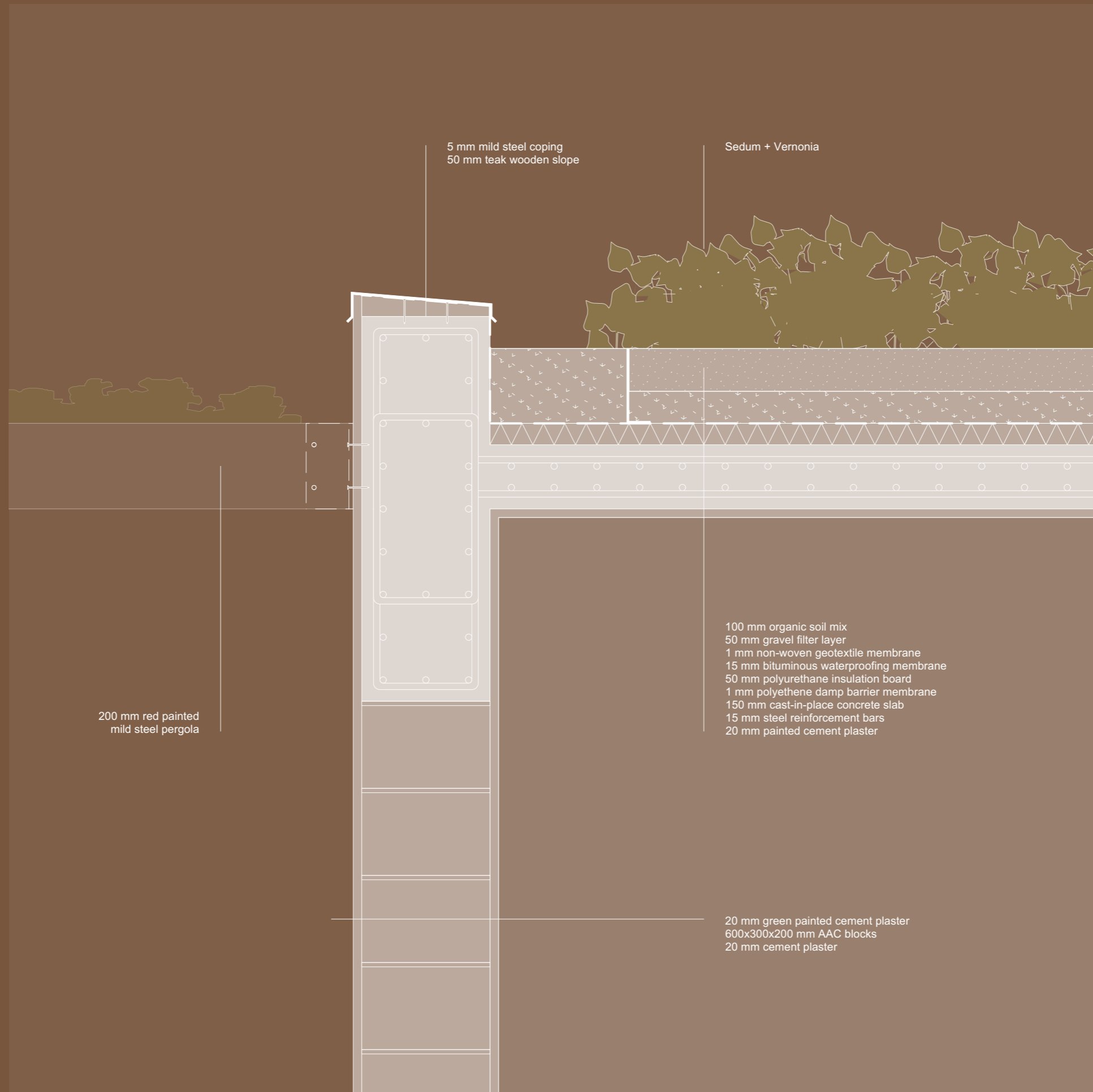
Sedum Roof



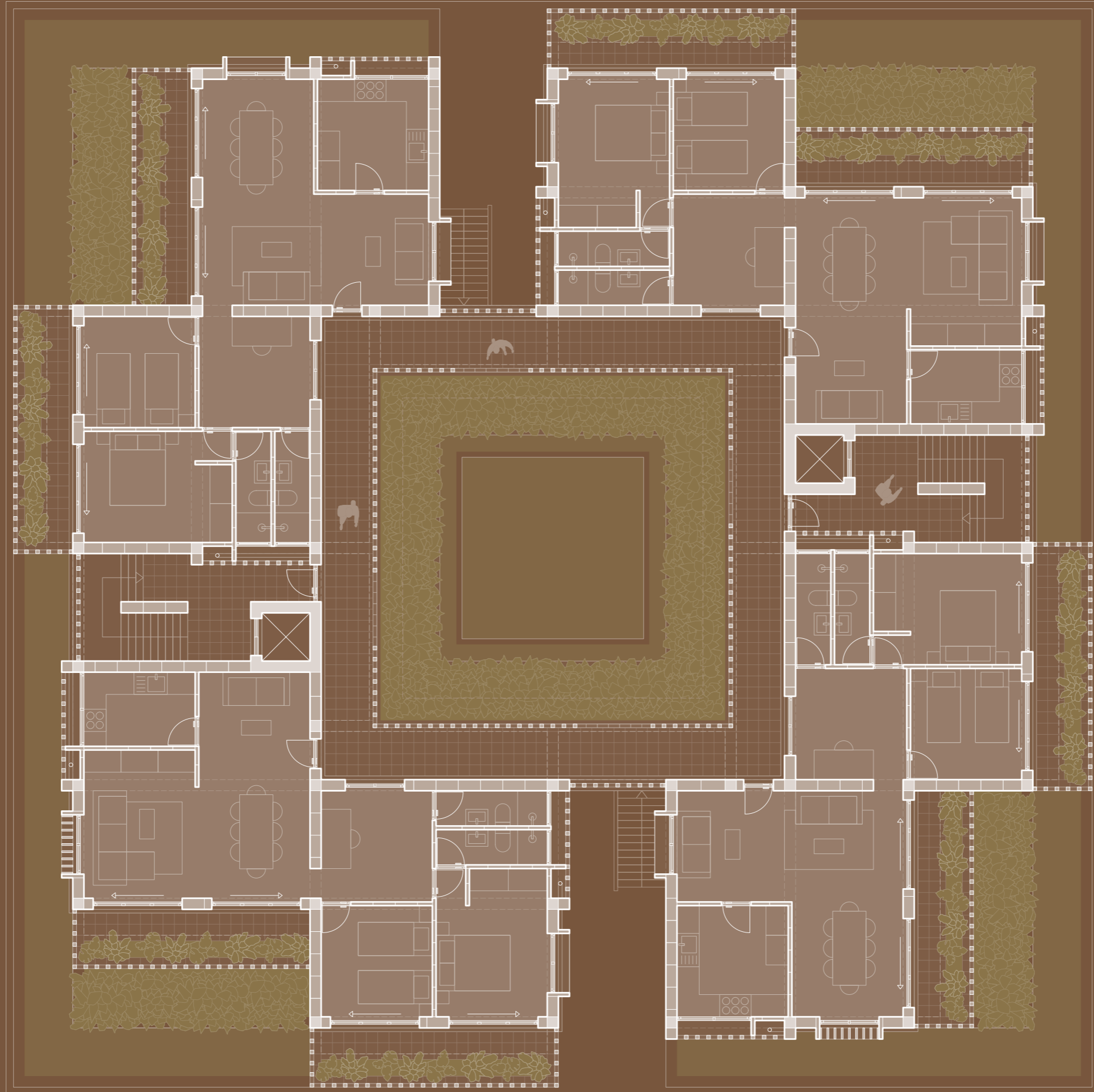
Detail Ground



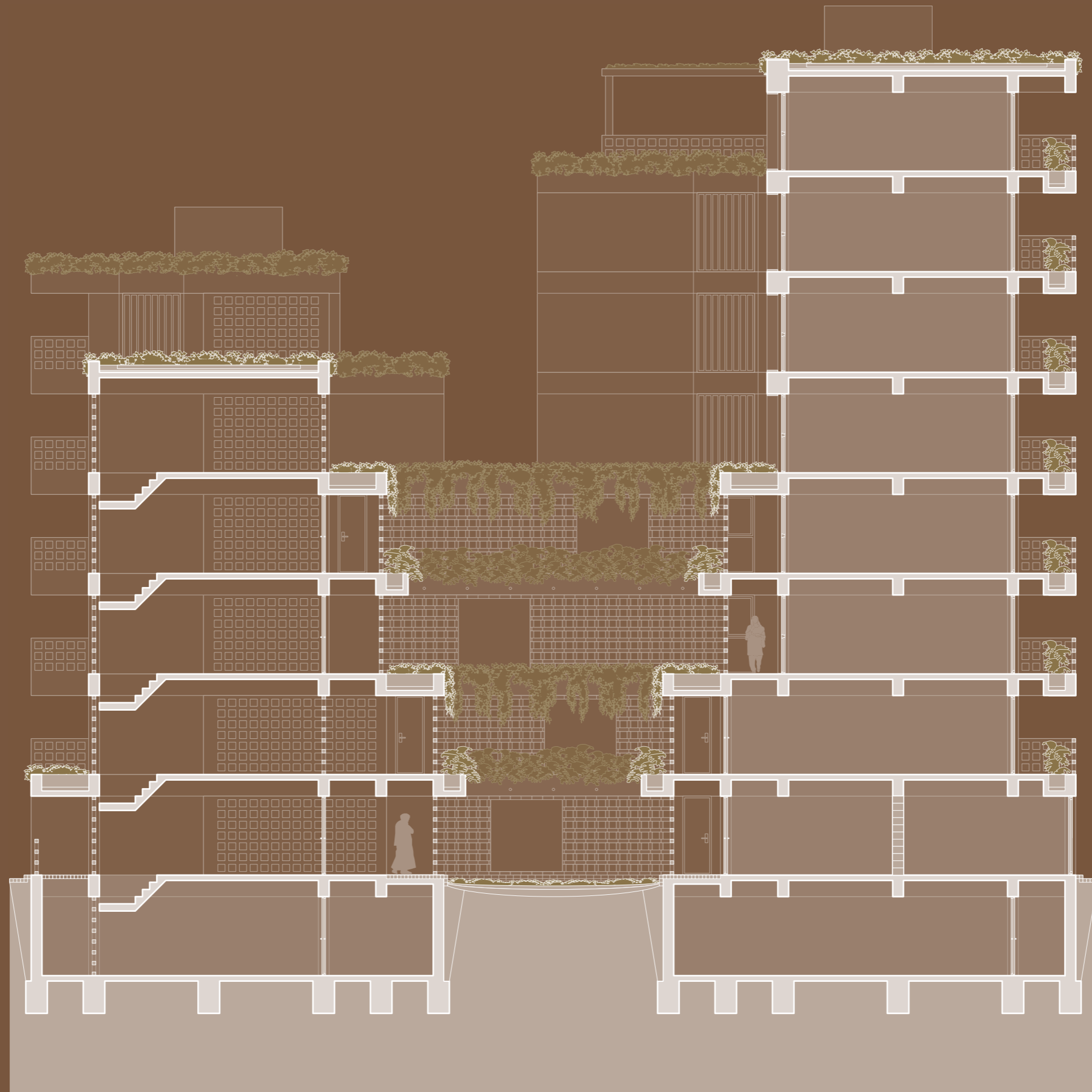
Detail Planter



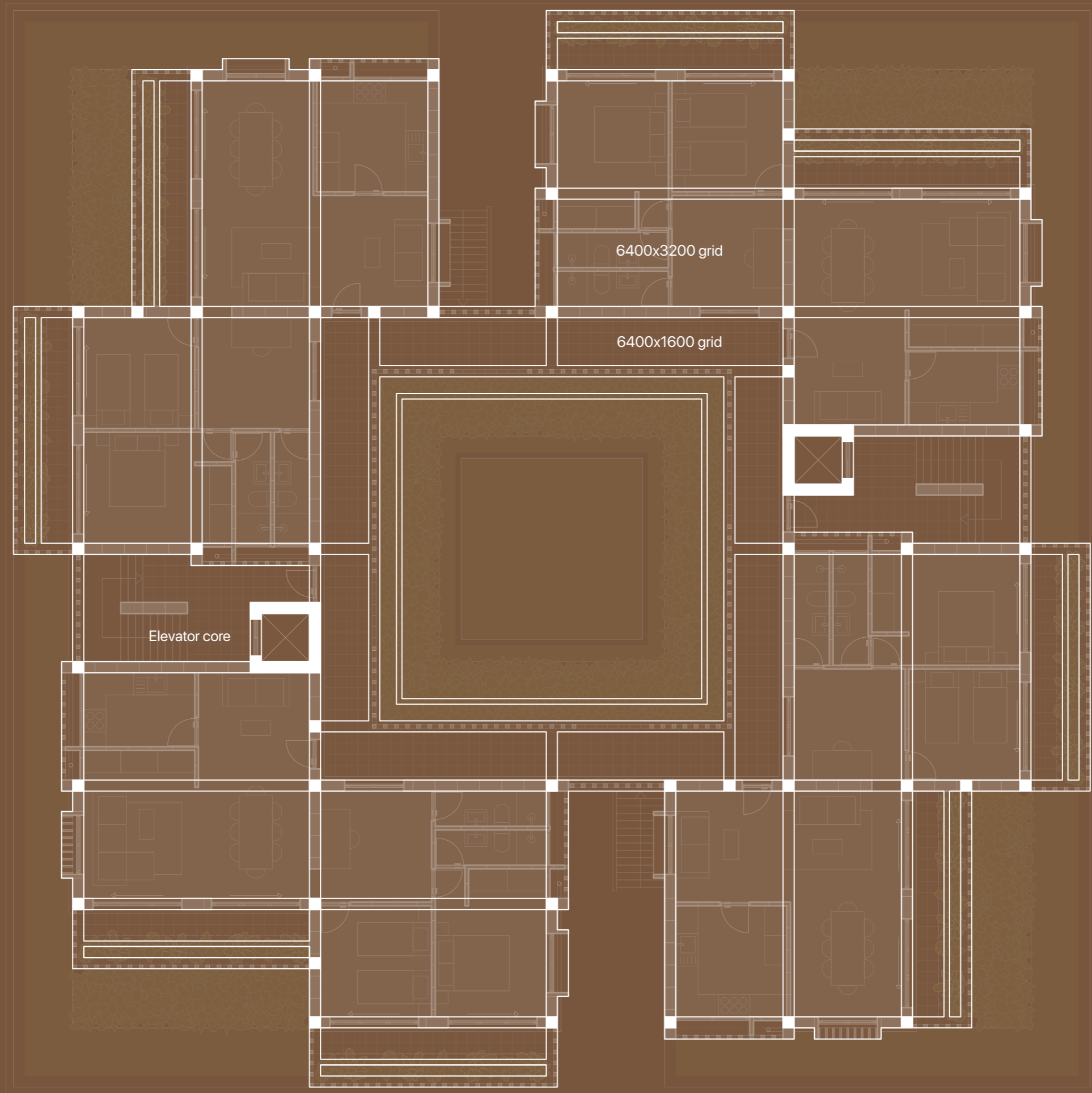
Detail Roof



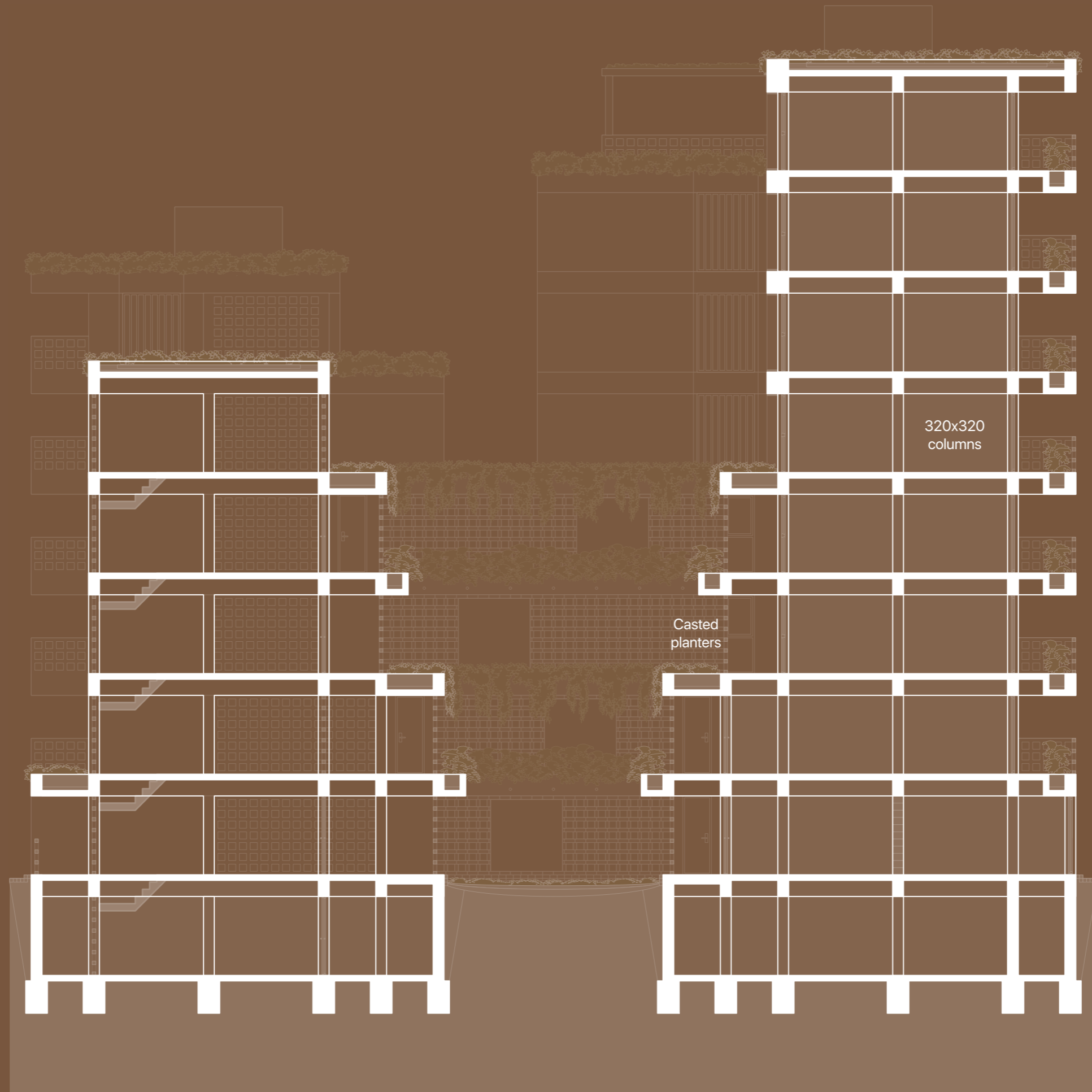
Construction Plan



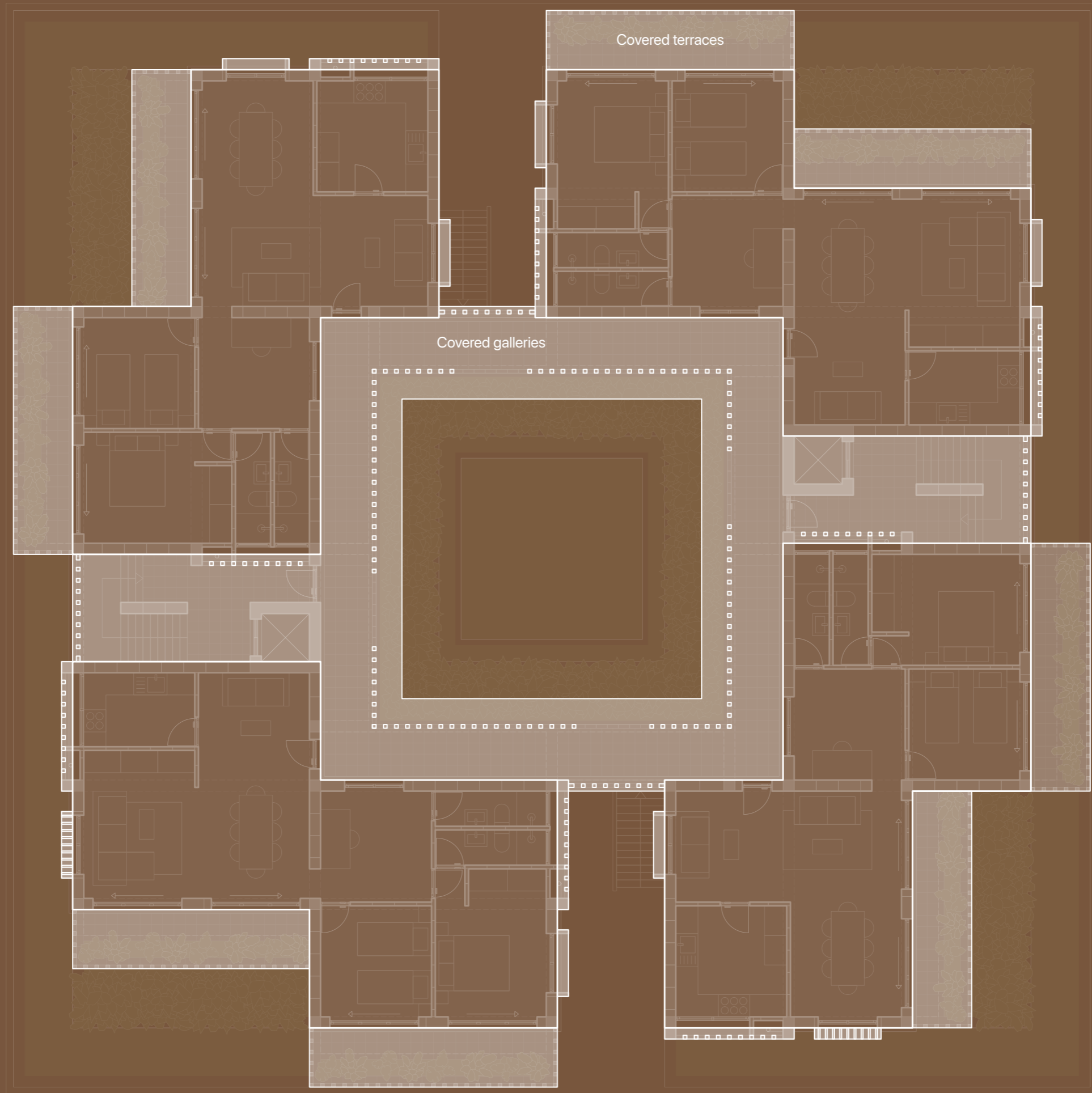
Construction Section



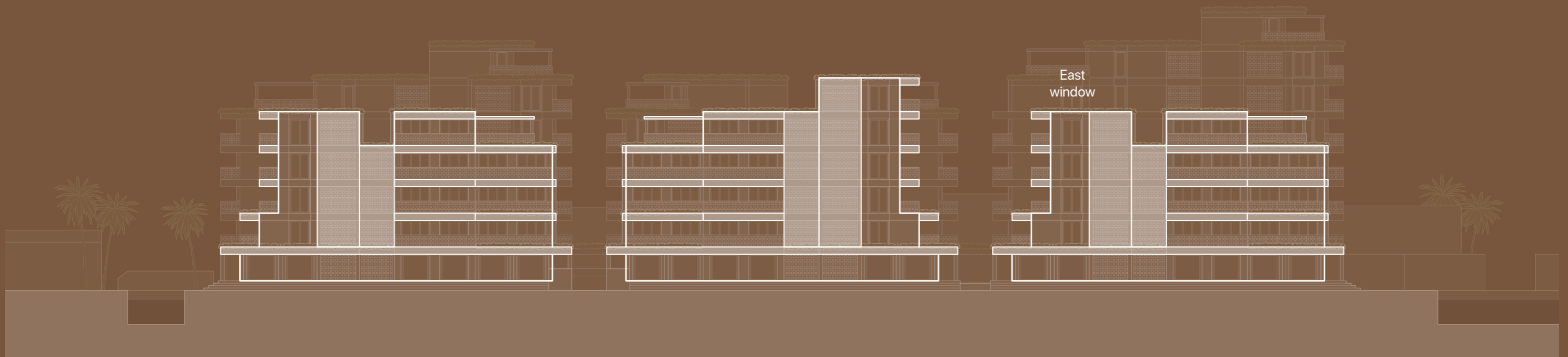
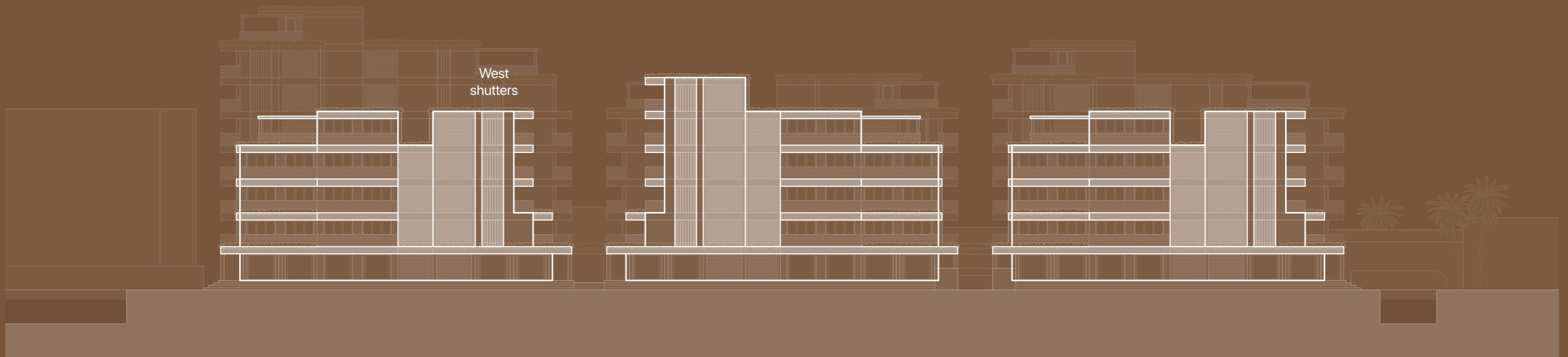
Structure Plan

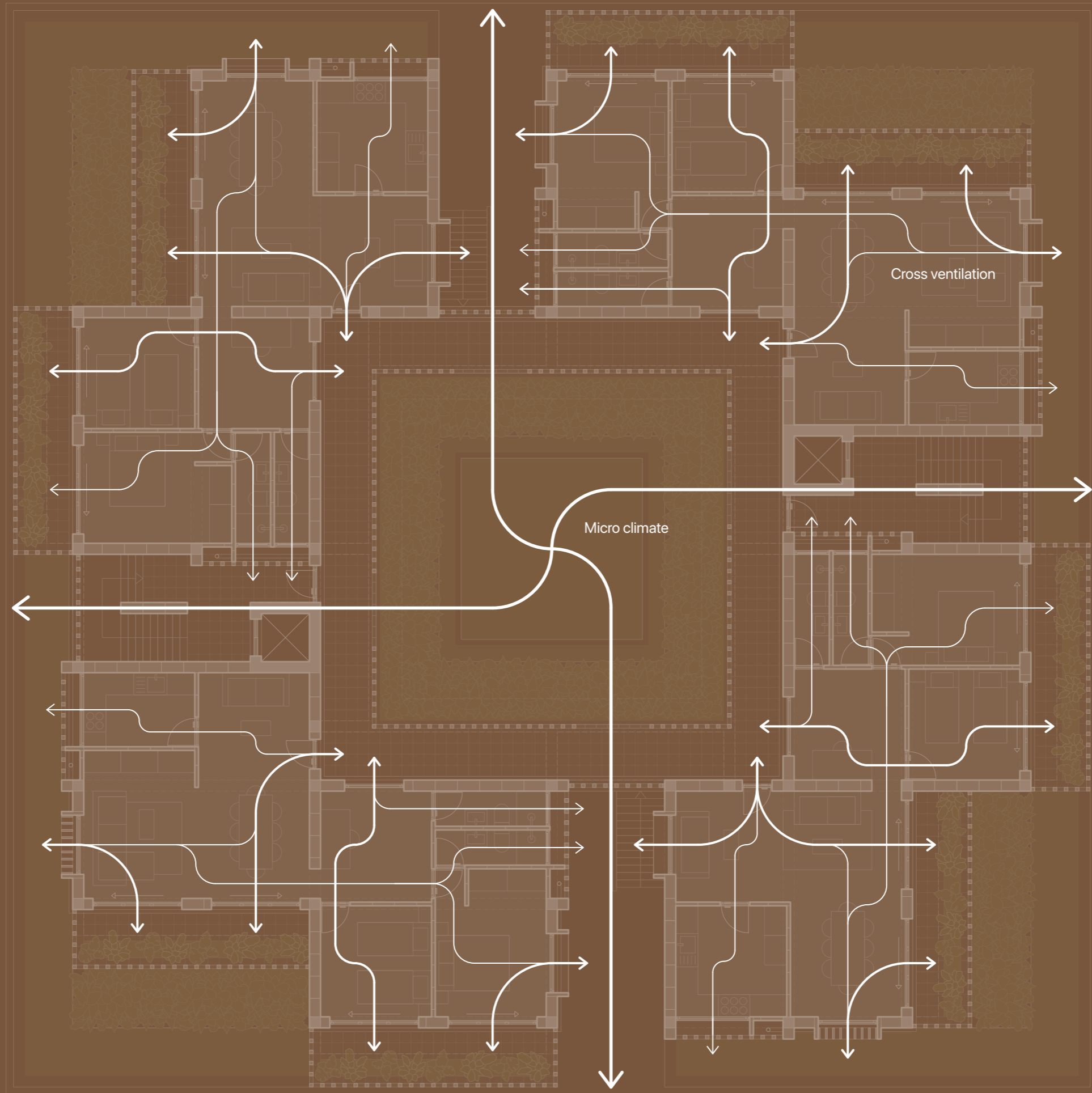


Structure Section

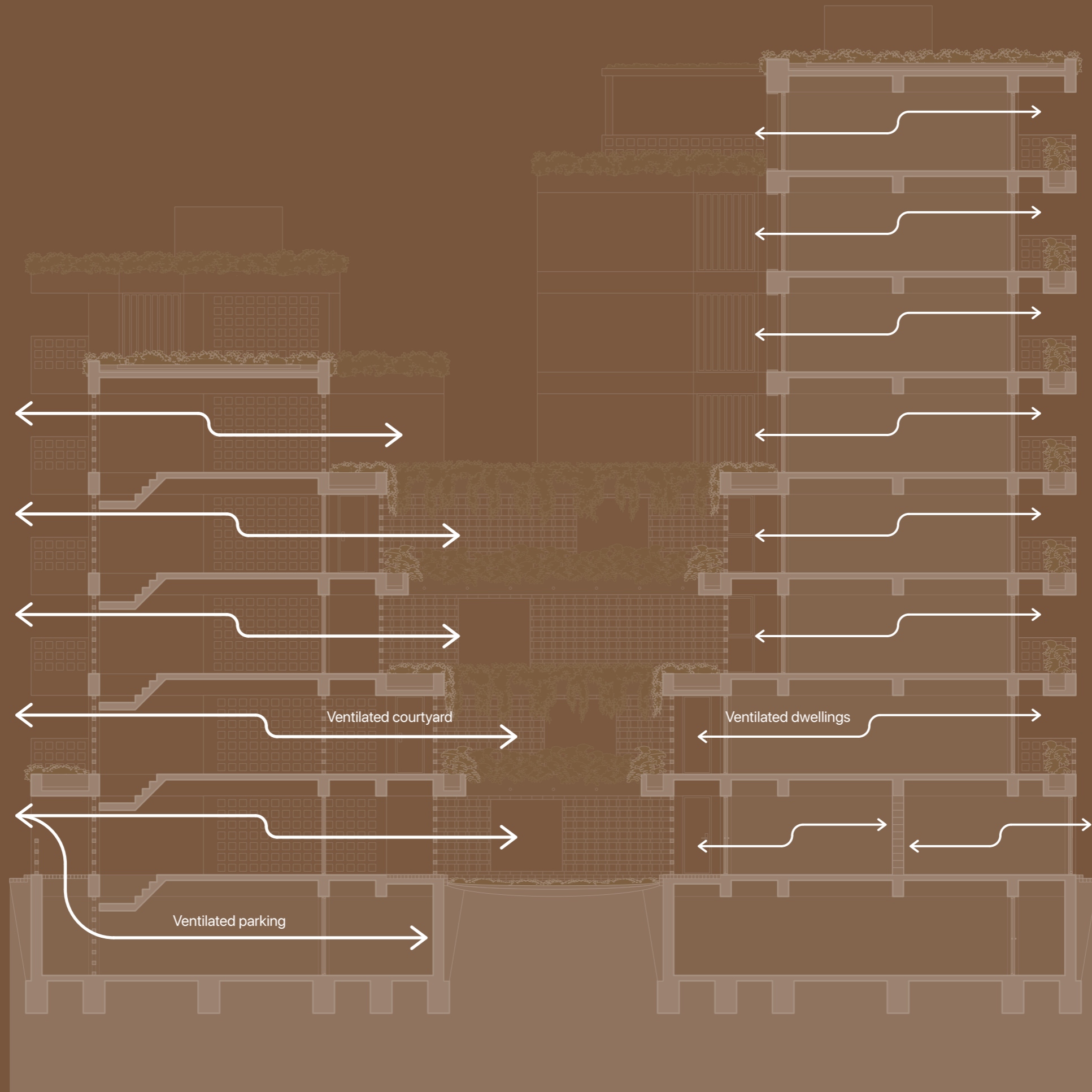


Shading Plan





Ventilation Plan

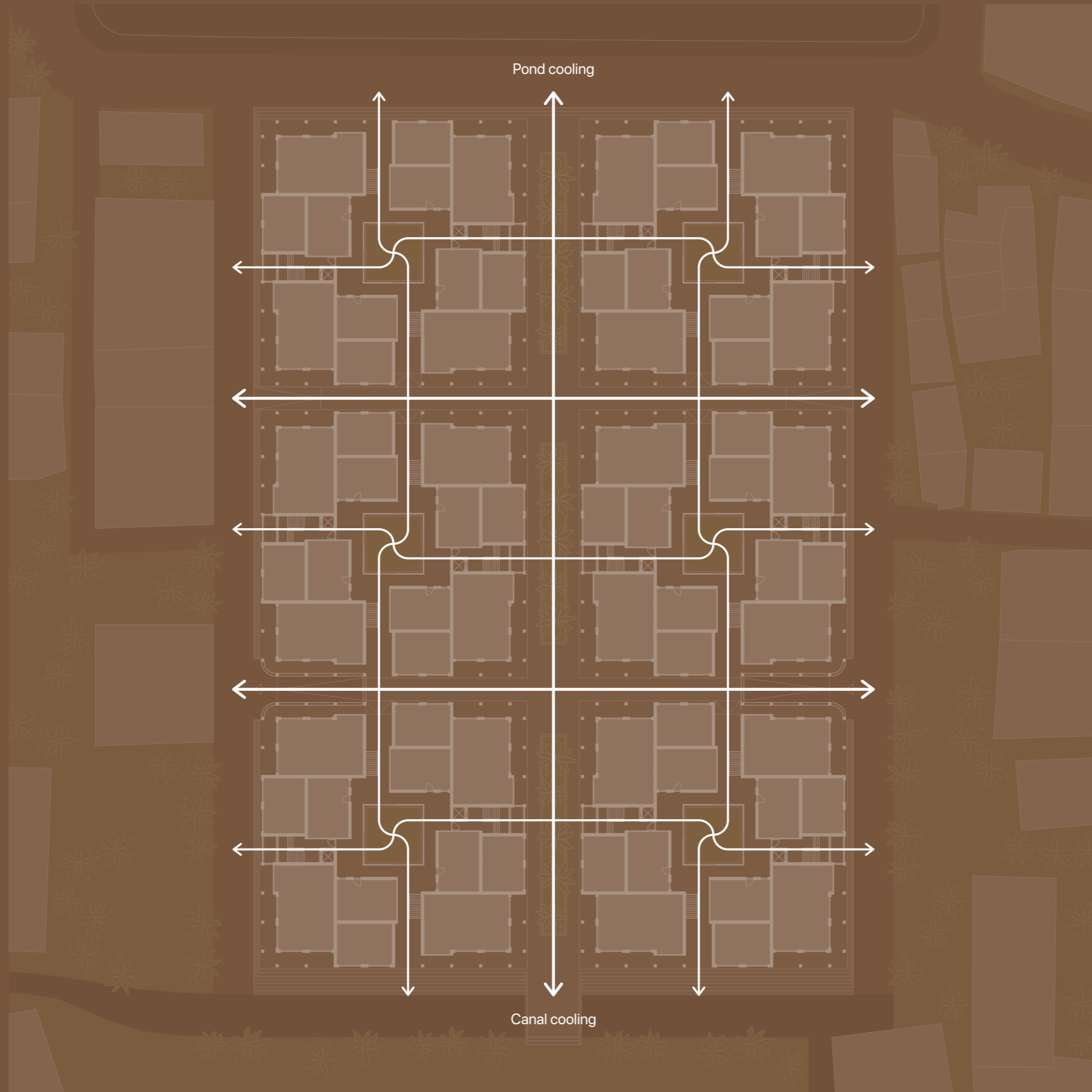


Ventilated courtyard

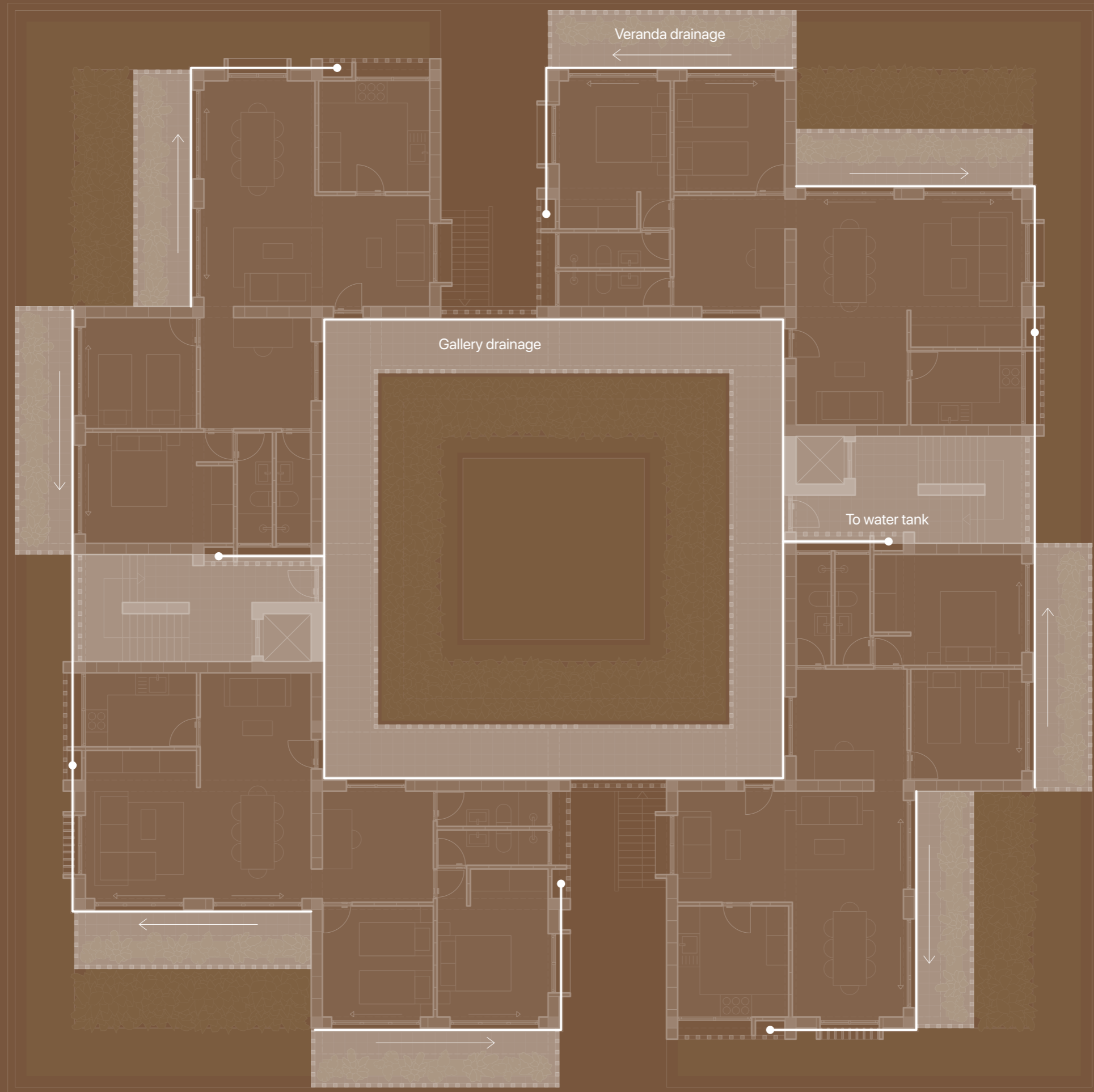
Ventilated dwellings

Ventilated parking

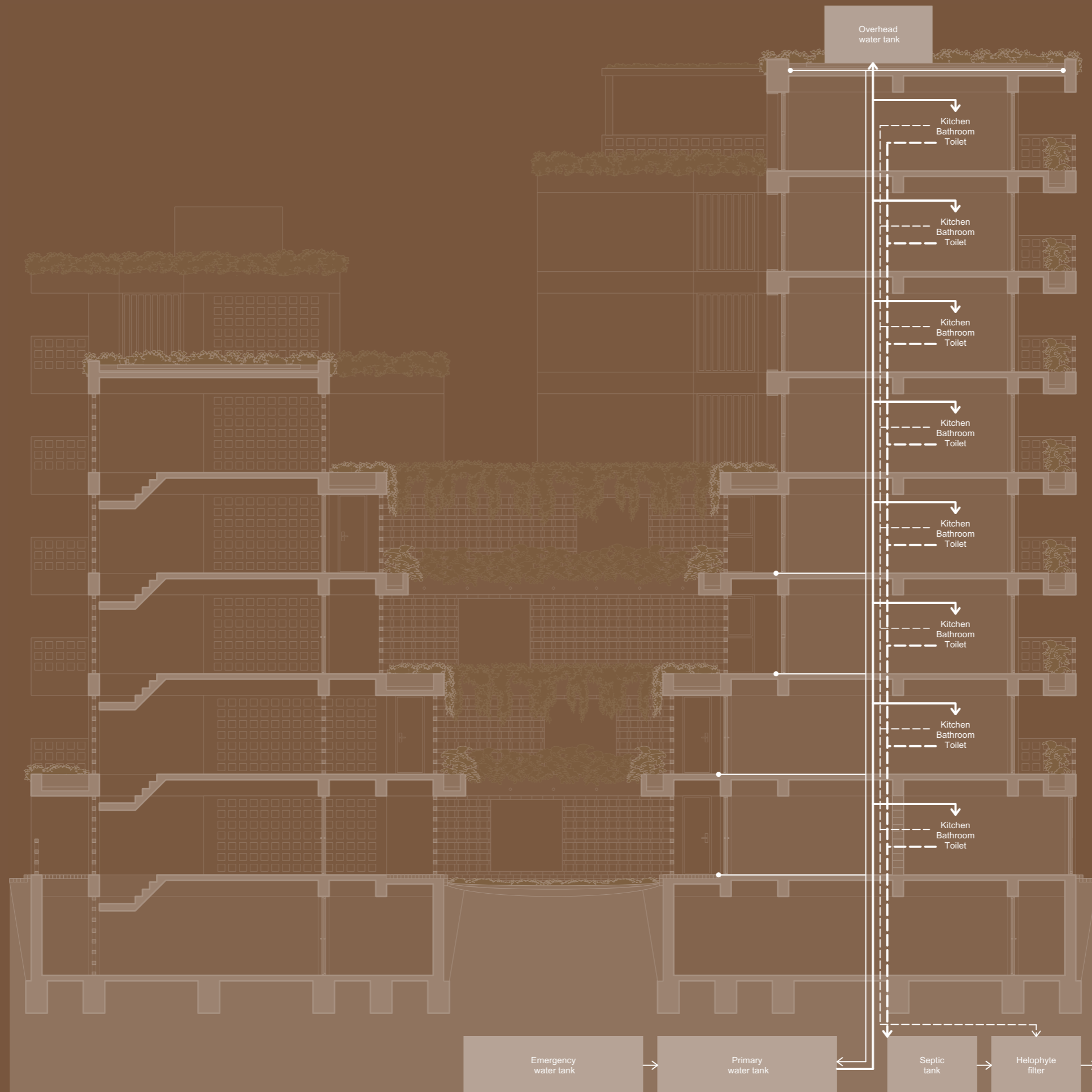
Ventilation Section



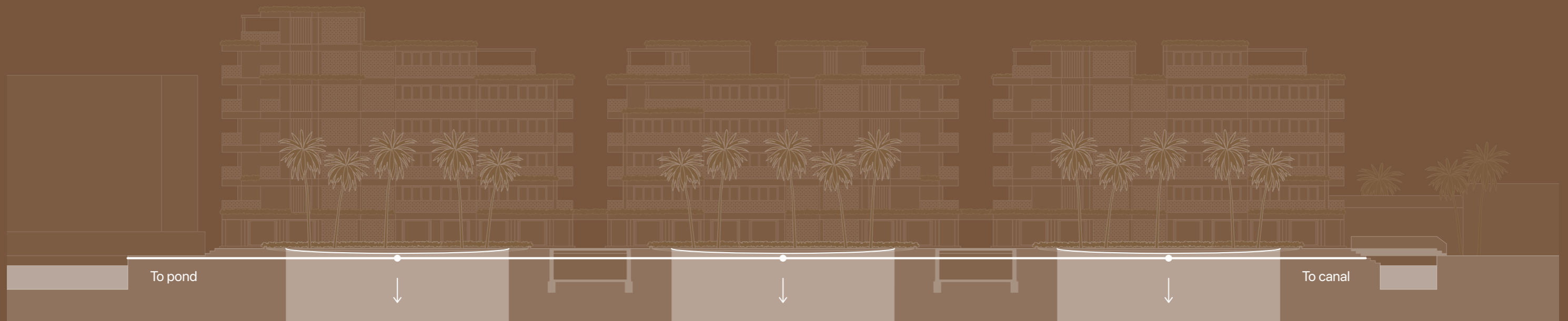
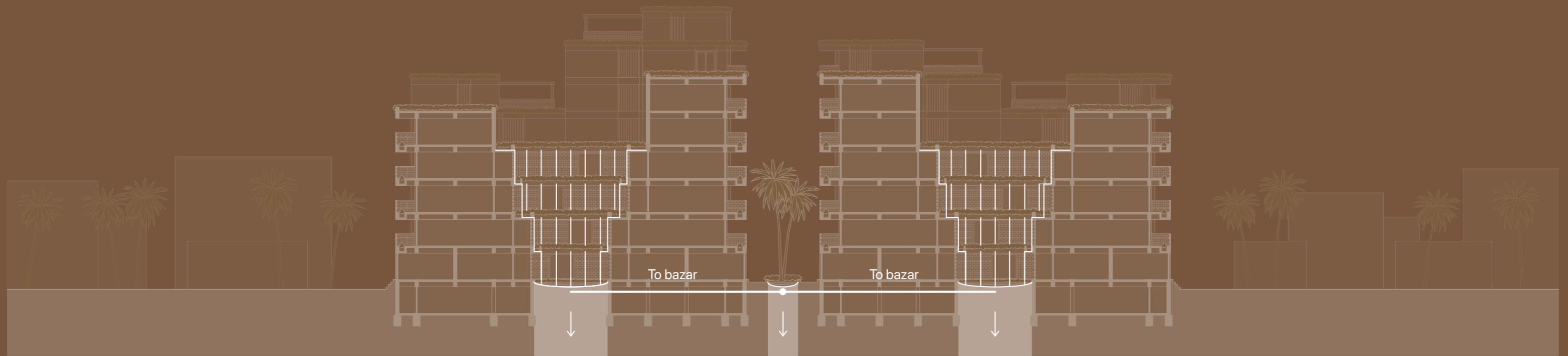
Ventilation Plan

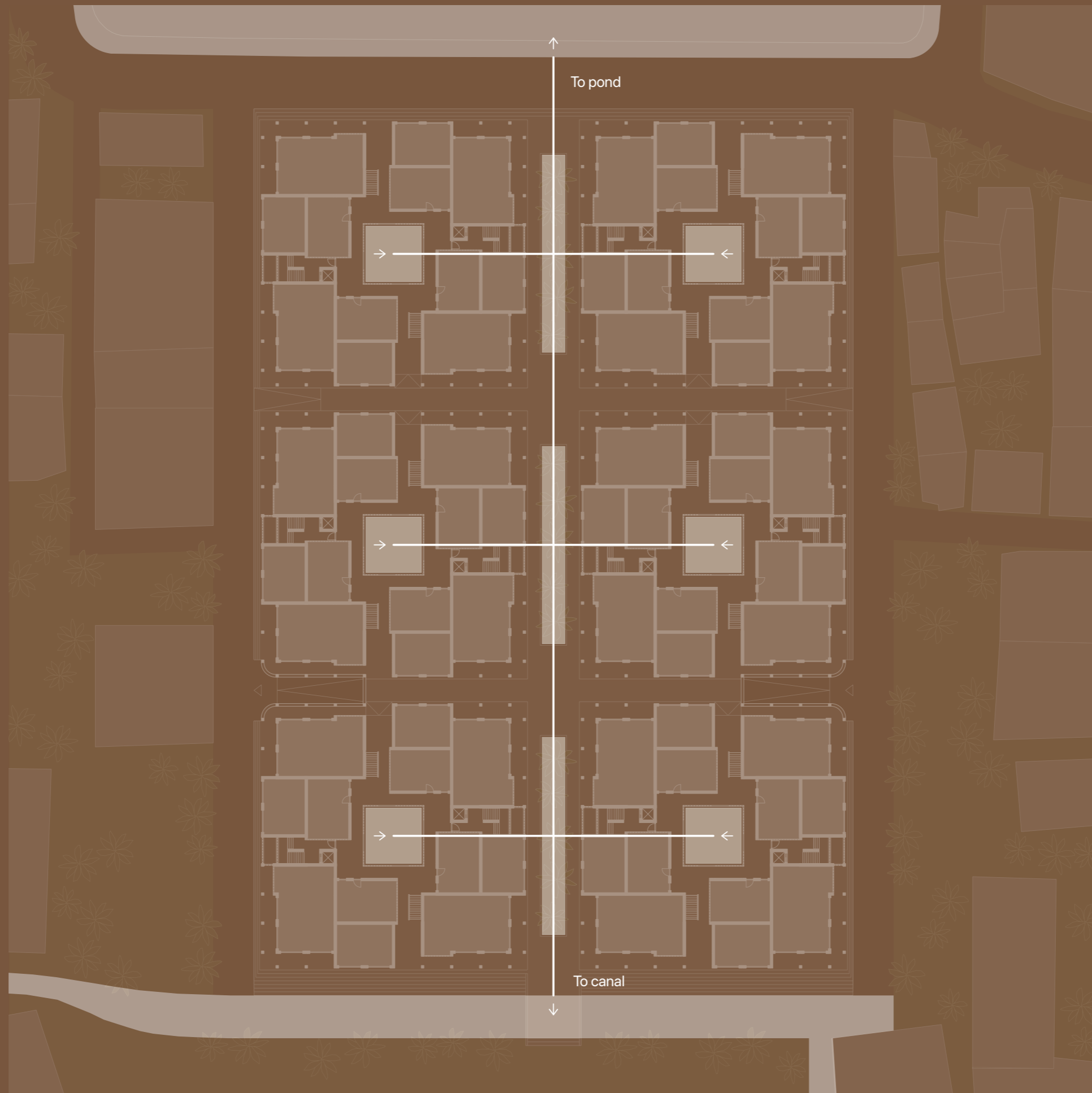


Water Plan



Water Section





05 Impression



01



Pond New landmark for the Laladighi area





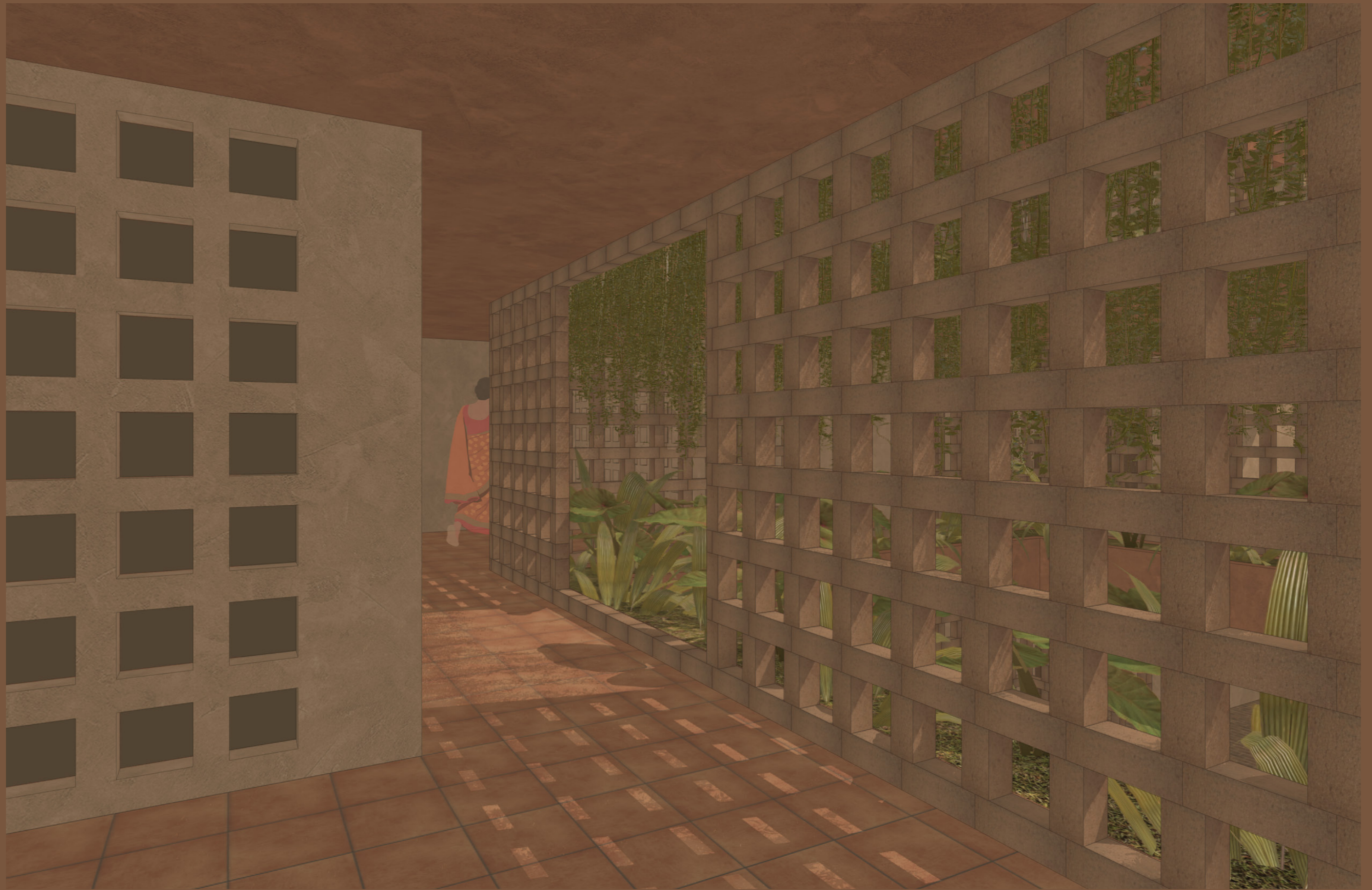


03

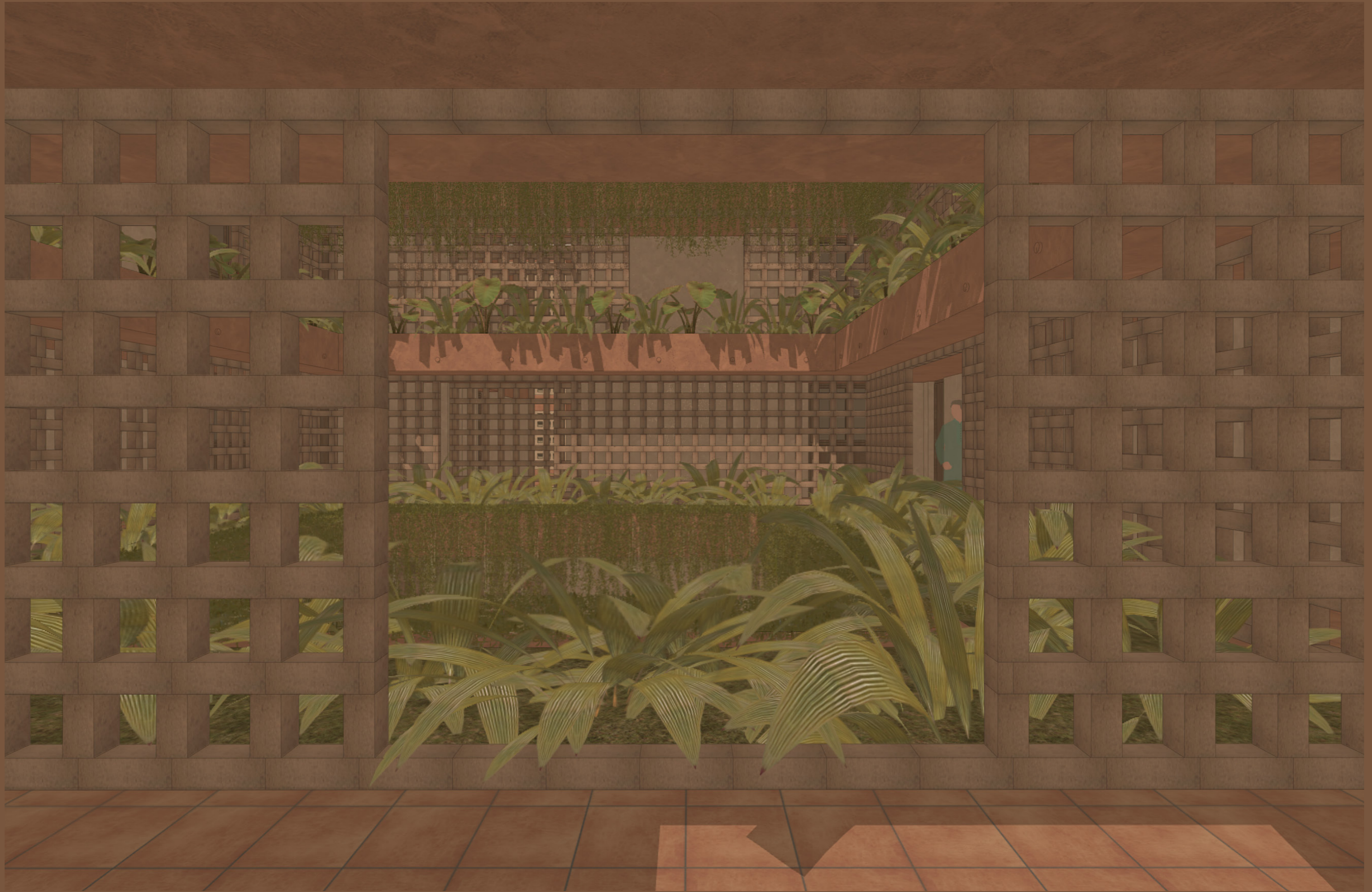




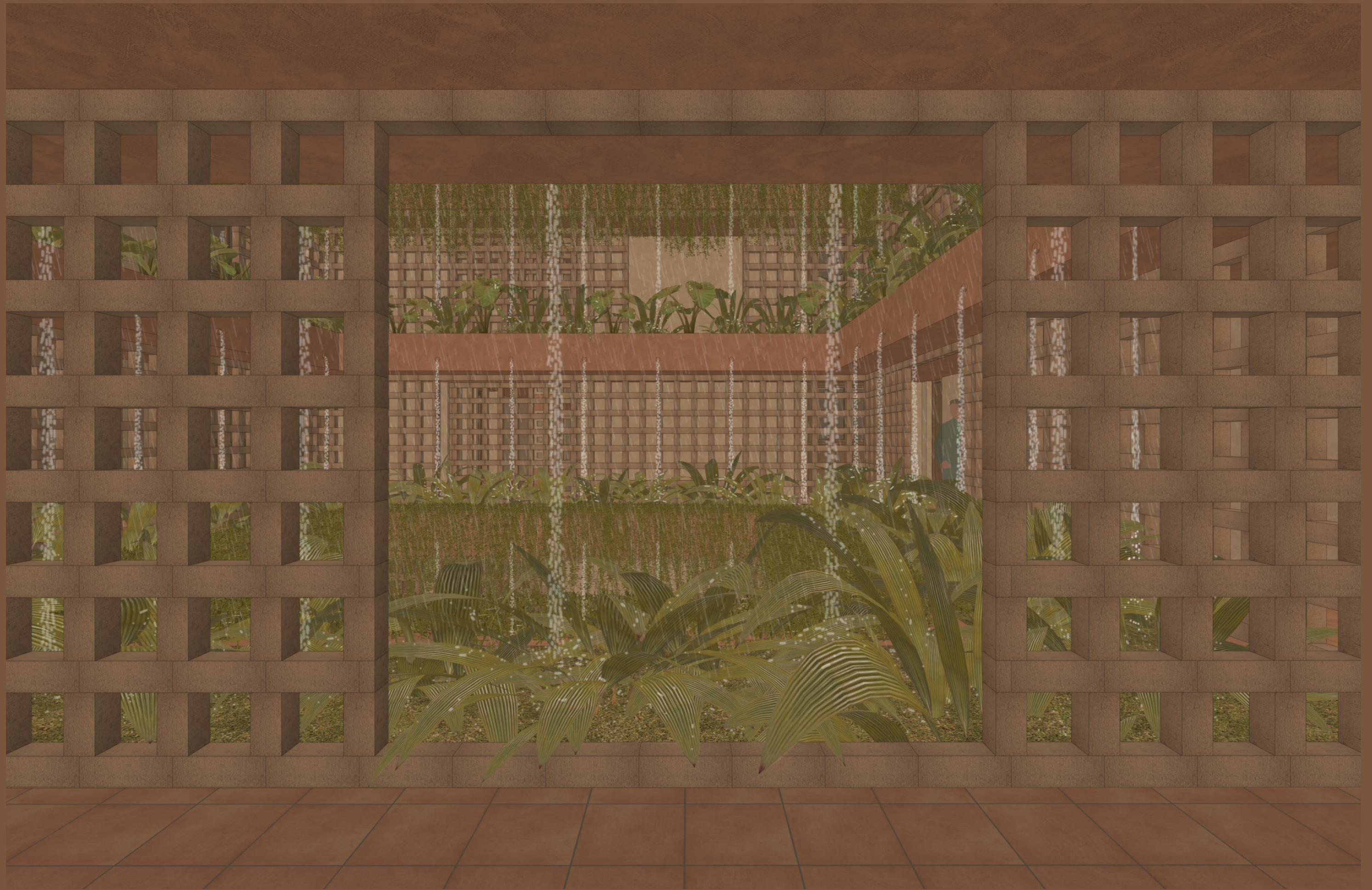
Courtyard Gallery access for dwellings on the upper floors



Courtyard Gallery access for dwellings on the upper floors



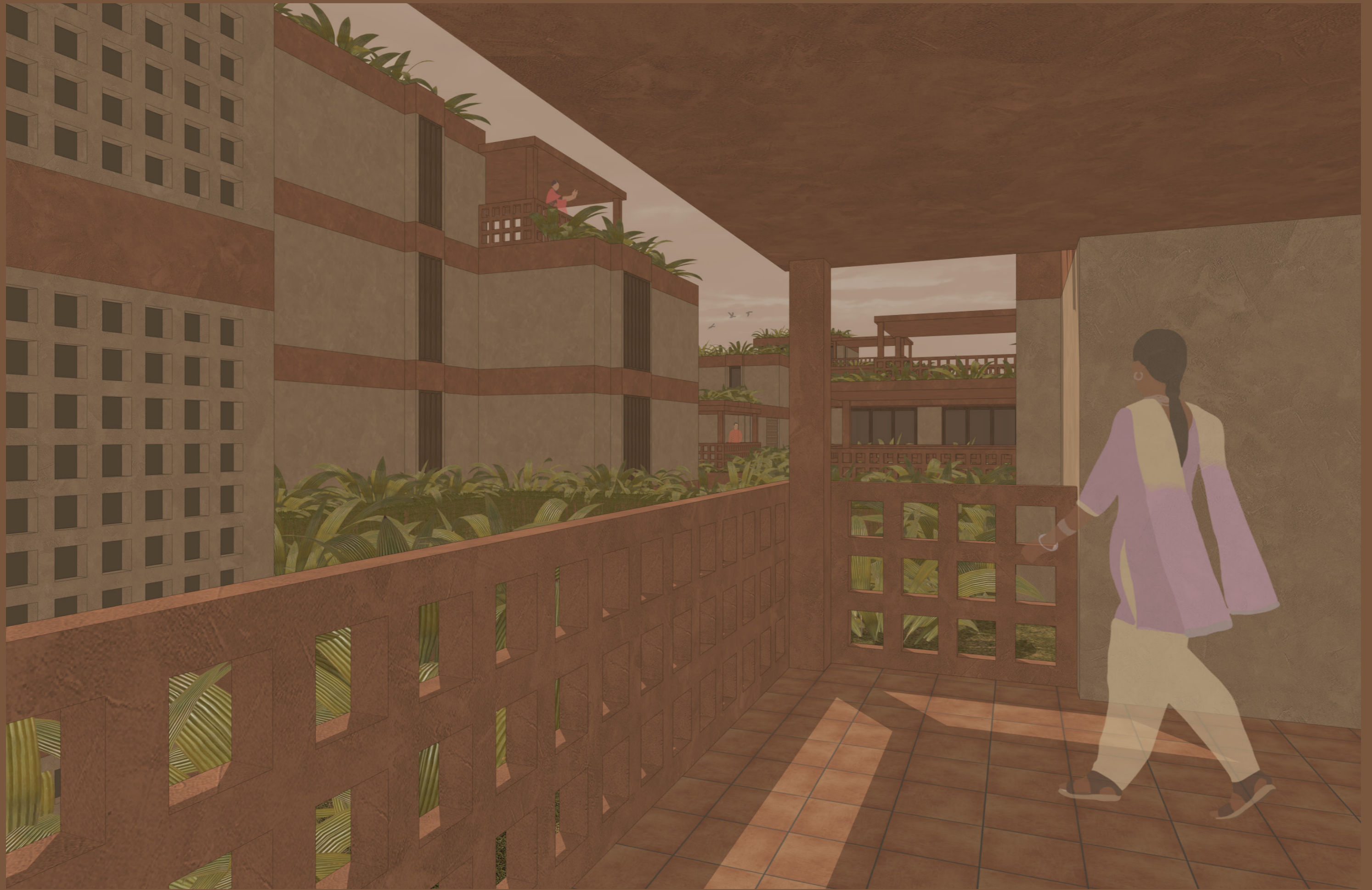
Courtyard Sunlight infiltration during the dry season



Courtyard Cascading waterfalls during the rain season



05



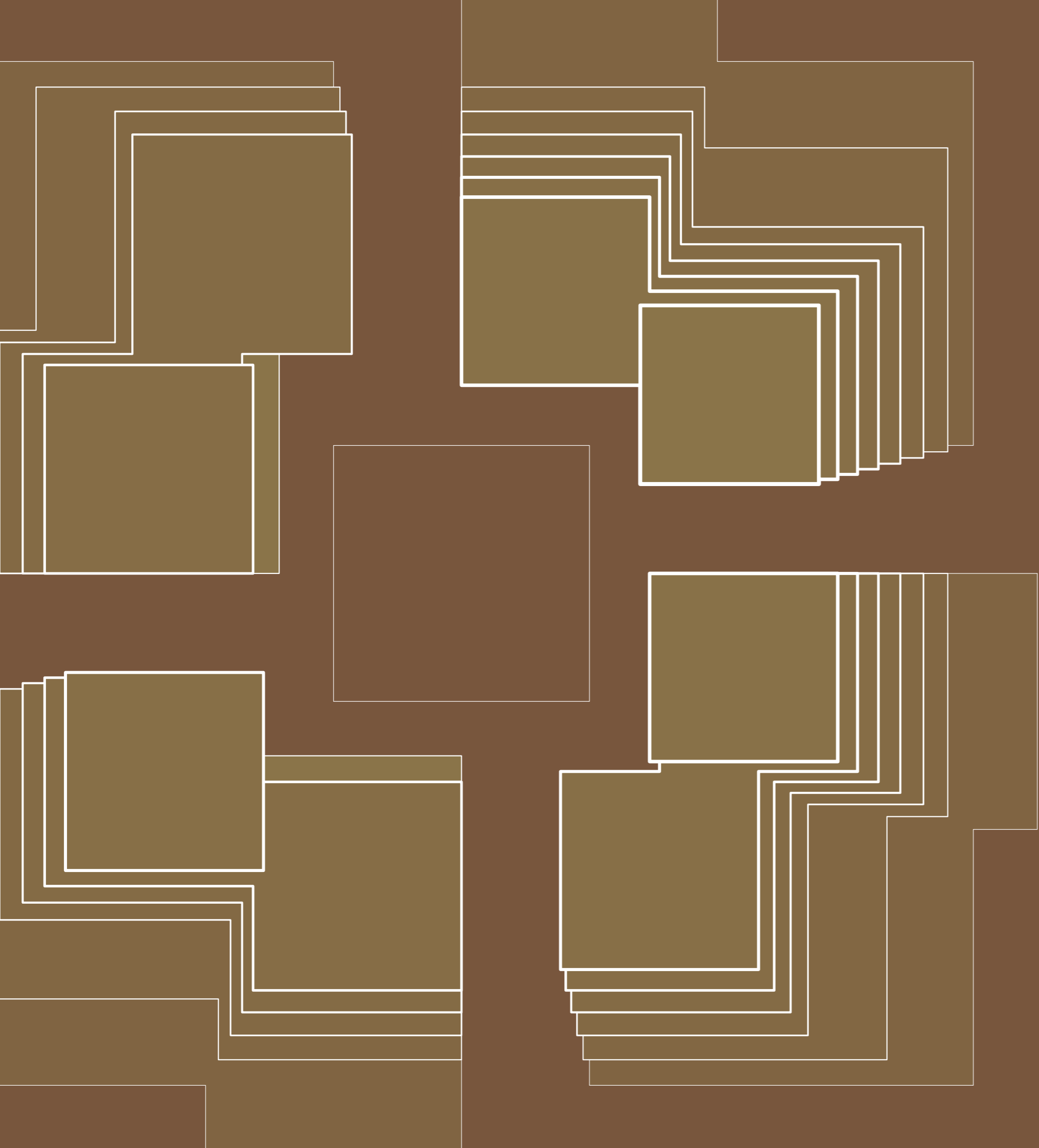
Terrace Offering unique views over the urban landscape



06



Canal Activating the periphery of the cricket field



Freek van Schaik

Transition Habitats