THE LAKKATURA TEA GARDEN COMMUNITY

shared roots : reshaping village life through community and tradition

Architecture of Transition
in the Bandlagesh Delta

Sara Seifert | 6082580

excursion



BANGLADESH

PHOTOBOOK

Sara Seifert | 6082580


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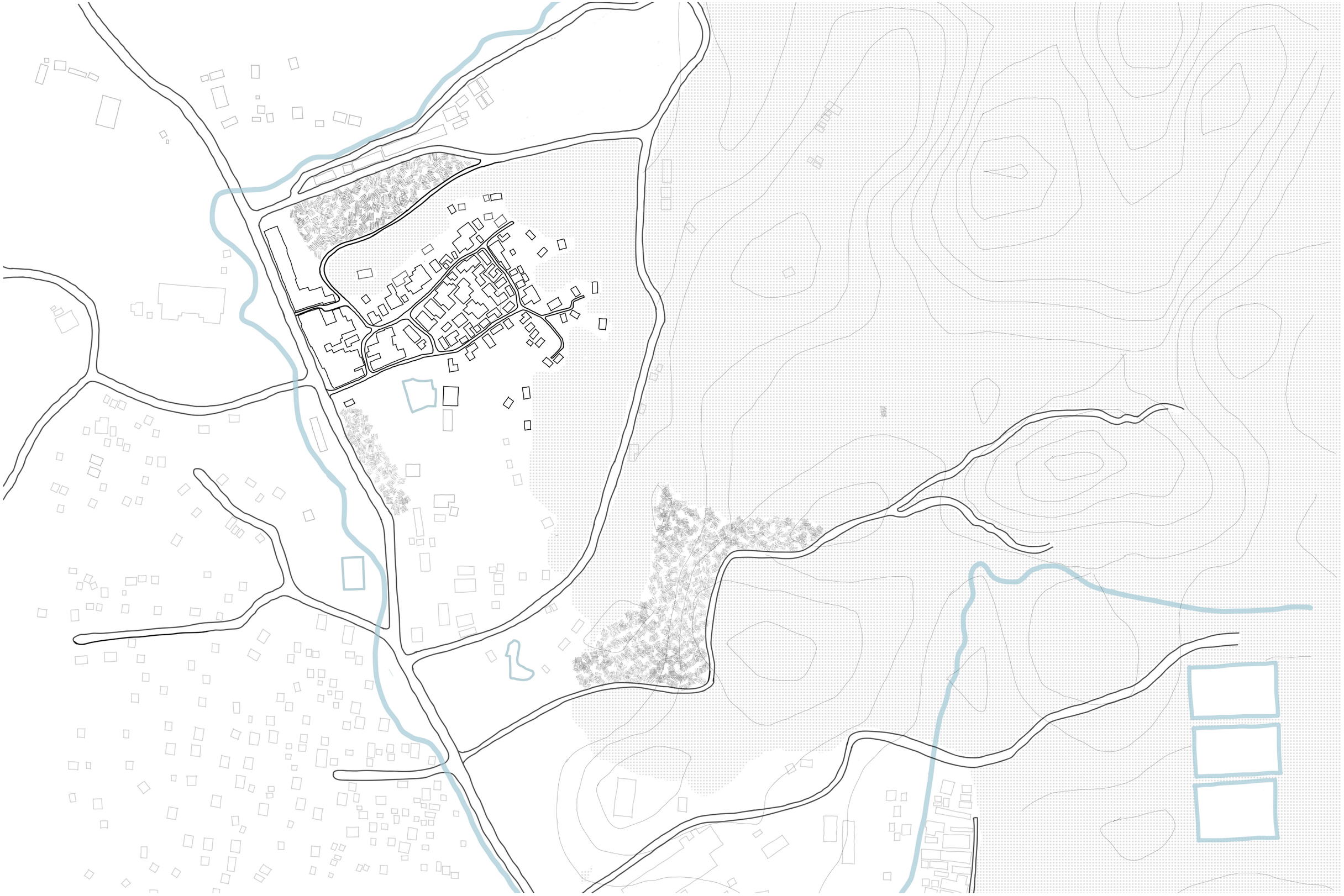












research


UN Multi-Partner Trust Fund Office

Trust Fu

NEWS

Exploited and marginalized, Bangladeshi tea wo

Tea garden workers in Bangladesh, who are mainly women, are one of the most marginalized groups in the country, with limited access to education for their children and prone to dire health risks. A programme supported by the UN's Joint SDG Fund, which funds initiatives focused on sustainable development, aims to boost social protection for these works, helping them access their rights and

"During my pregnancy, my family planned to help me deliver my baby at home, following in the footsteps of m there were alternative, safe methods of childbirth delivery, in health care facilities with clinical specialists."

"My husband, Sunil, is also a tea garden worker, and we were never introduced to modern medicine or midwi

Deep-seated challenges

Ms. Munda's story is an example of the health challenges faced by tea workers, most of whom have more thar planning services. However thanks to the programme, couples can improve their knowledge and take advant

"One day, I participated in an awareness session, which is where I learned about prenatal care, birth planning, the information with my husband and family, we decided to seek health care from a secure clinic.

"As a result, I visited the facility for prenatal care, and they made me aware of what to expect and how to tend

"During the delivery, I was aided by a tea garden volunteer who transferred me to a health facility where I deli strong advocate for the Rajghat tea garden maternal health care for all expecting mothers, so they know they

Approx. 360,000 workers and their families in 166 commercial tea gardens, especially women and girls who r

articles
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interviews

nature










amenities








interior






factory






privacy





materials




street






animals








courtyard





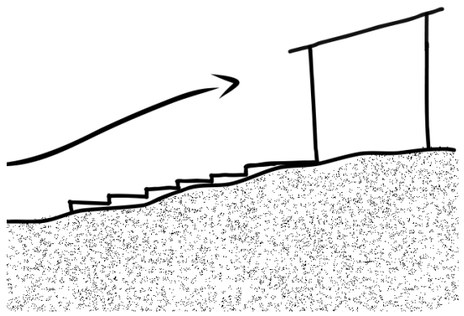

facade

public space

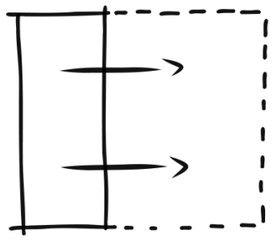
storage

sanitary

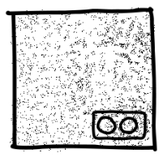
cooking



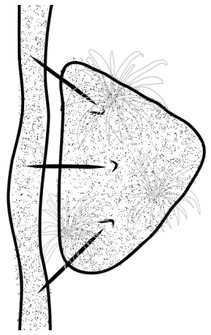
easy access



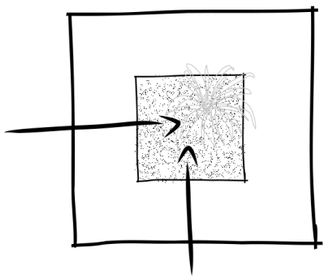
expansion possibility



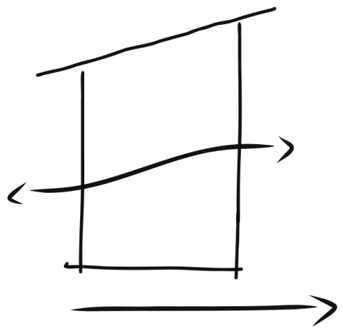
outside cooking space



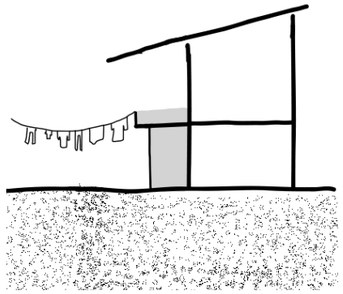
public space - semi public space



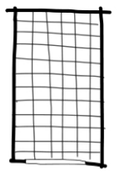
public space for women



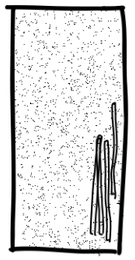
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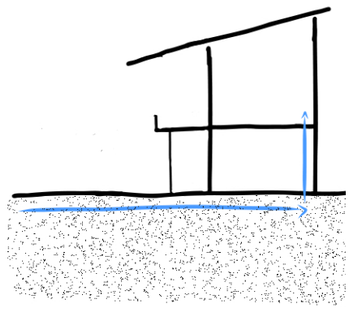
shading



hygenic sanitary facilities



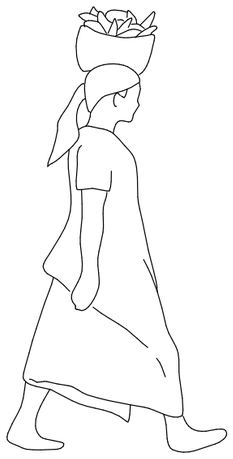
storage space



water management

how can strategies for housing densification be designed to preserve spacial and social structures of tea garden communites?

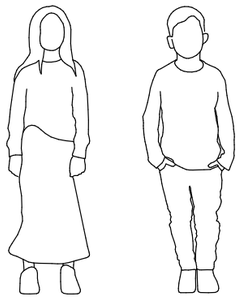
approach



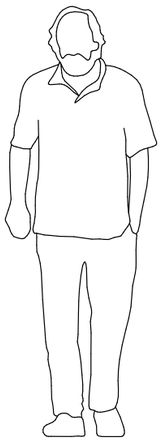
tea garden workers



city workers

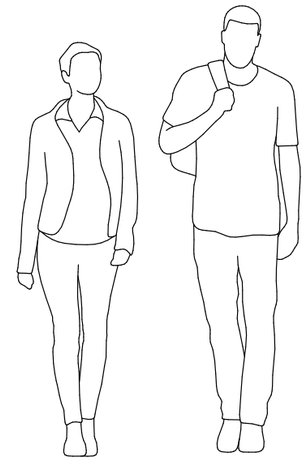


children



elderly

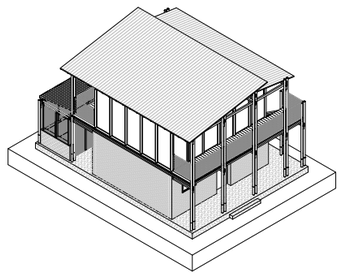
internal



tourists

external

better housing



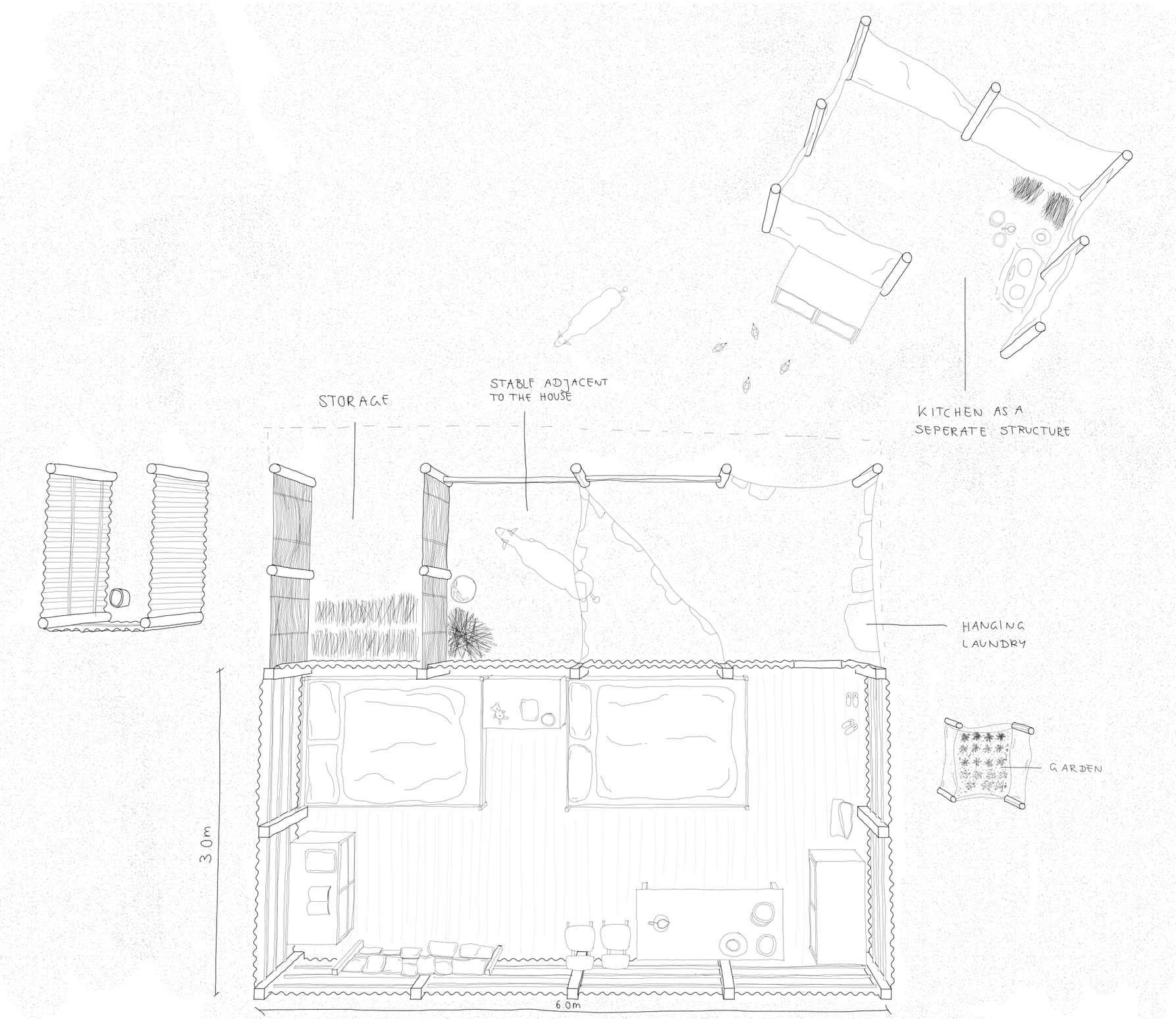
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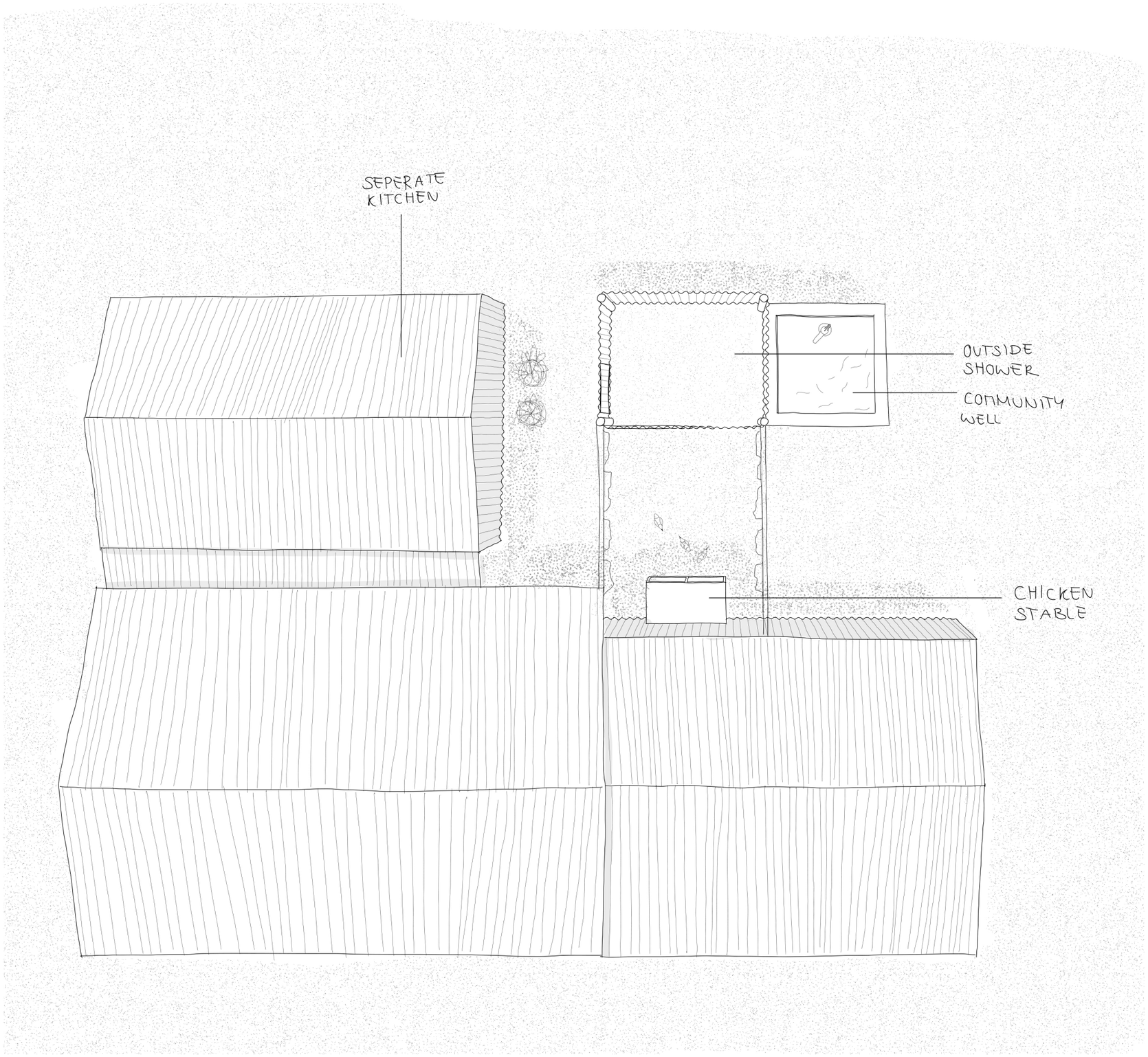
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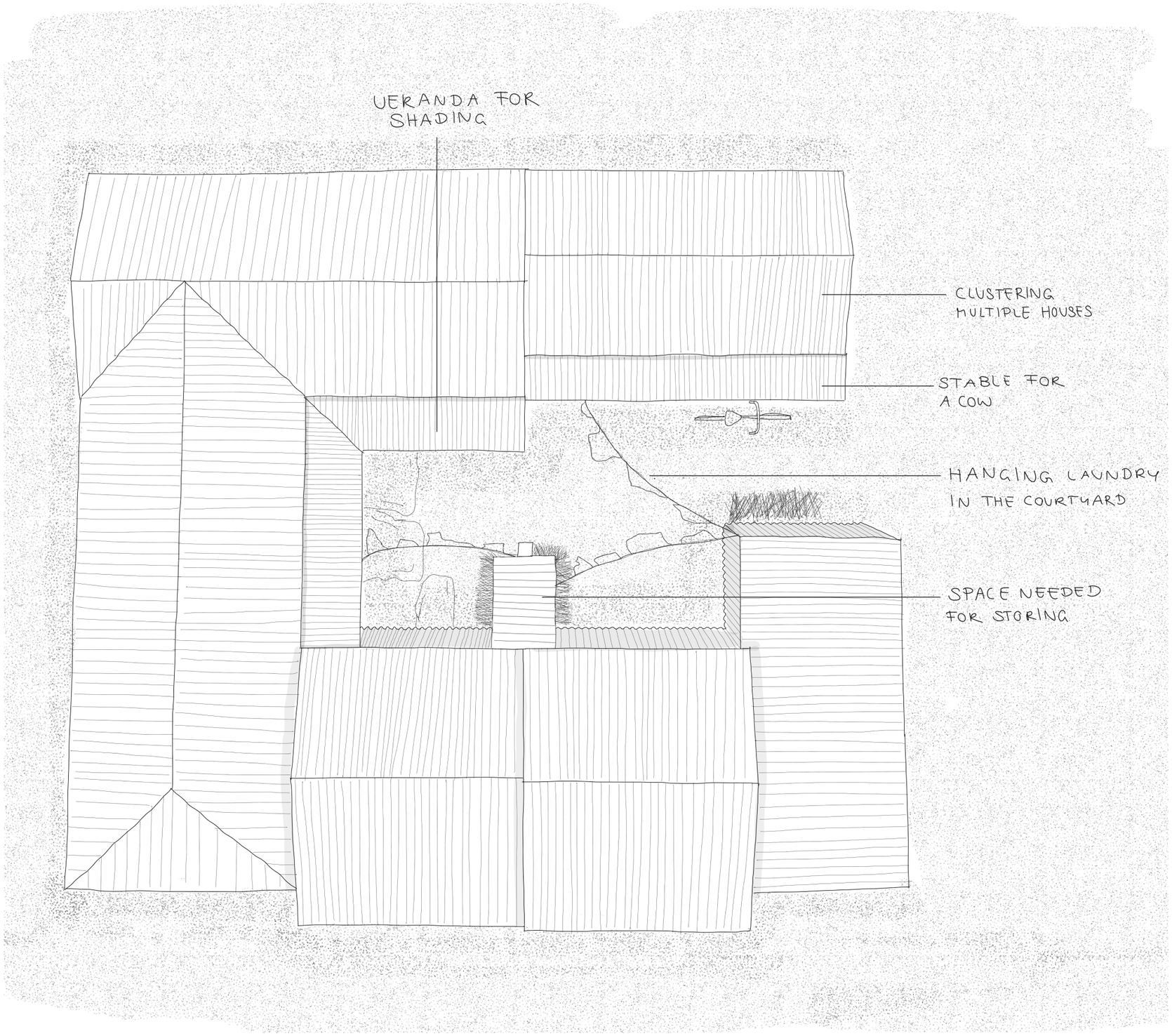
adaptibility

design

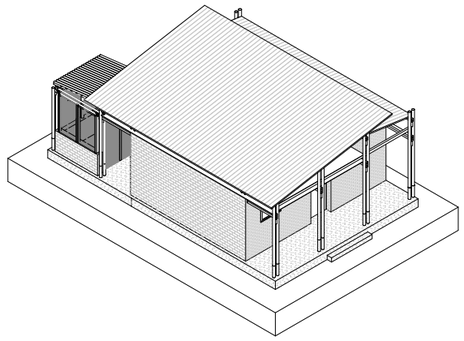
masterplan

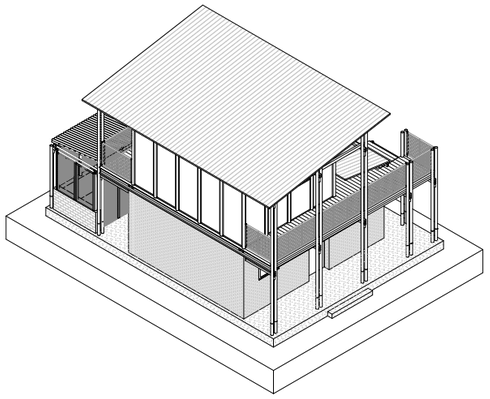

KITCHEN AS A
SEPERATE STRUCTURE
STABLE ADJACENT
TO THE HOUSE
STORAGE
HANGING
LAUNDRY
GARDEN
3.0m
6.0m

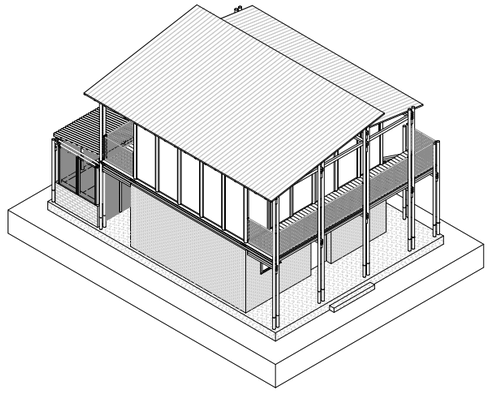

SEPERATE
KITCHEN
OUTSIDE
SHOWER
COMMUNITY
WELL
CHICKEN
STABLE

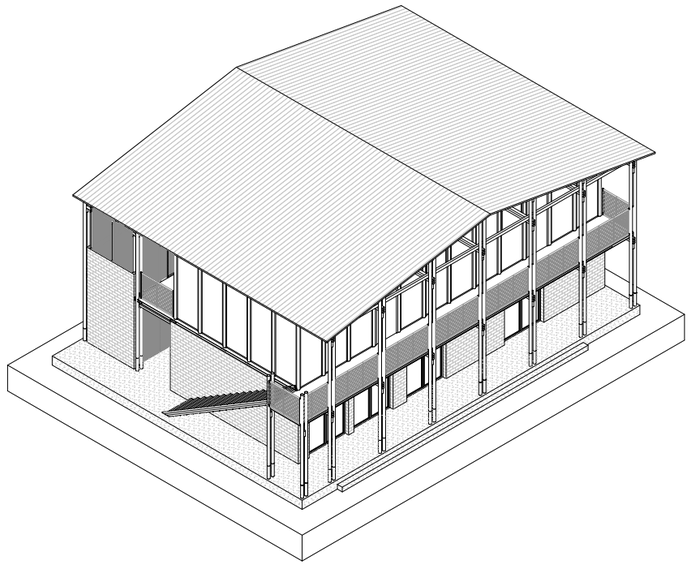

VERANDA FOR
SHADING
CLUSTERING
MULTIPLE HOUSES
STABLE FOR
A COW
HANGING LAUNDRY
IN THE COURTYARD
SPACE NEEDED
FOR STORING

housing

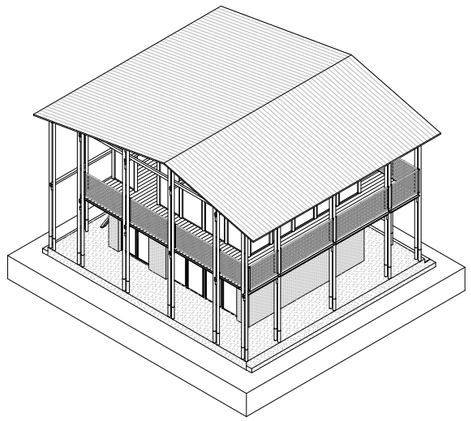


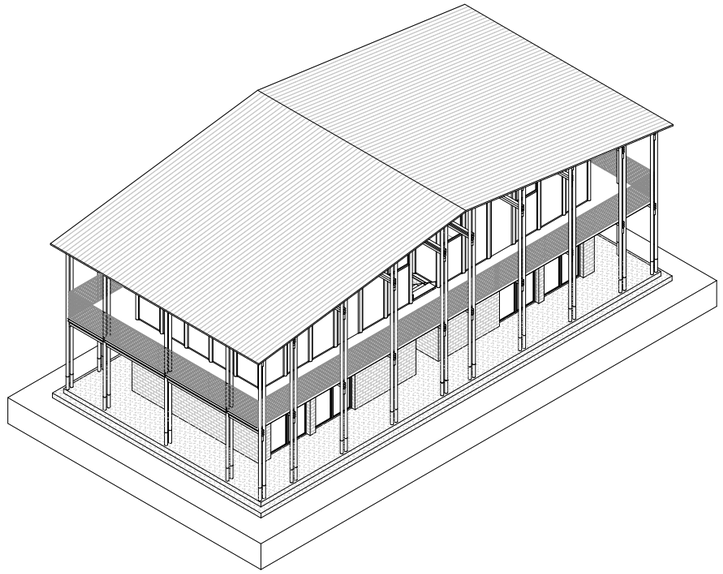


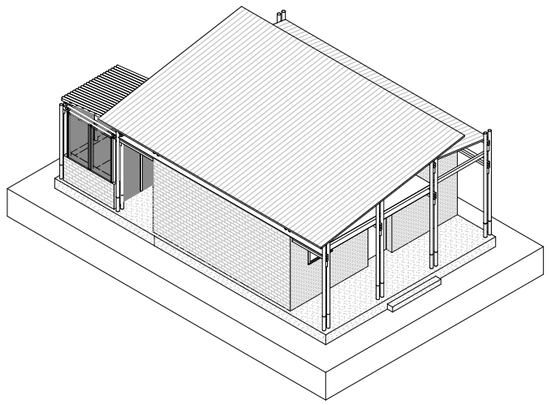




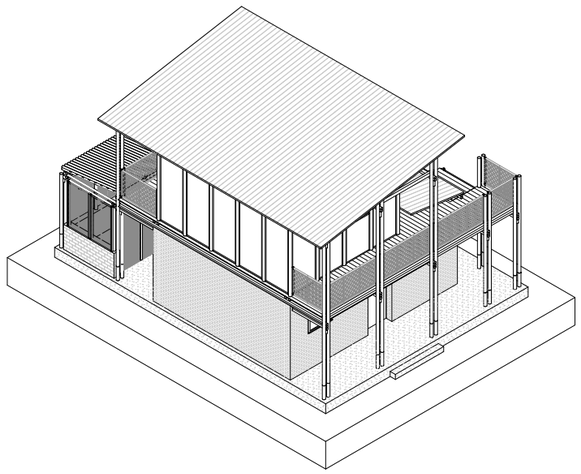
community



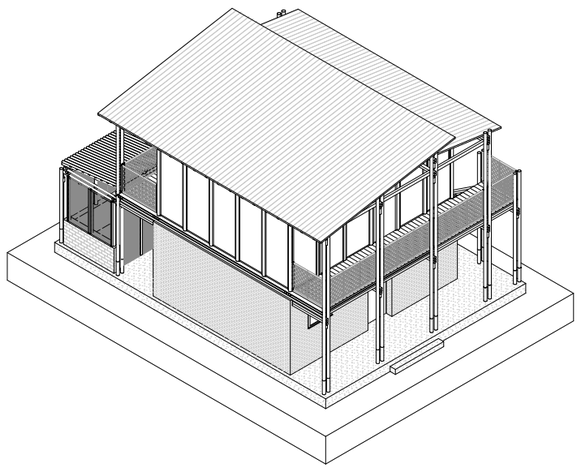




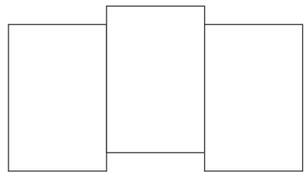
2/3 people

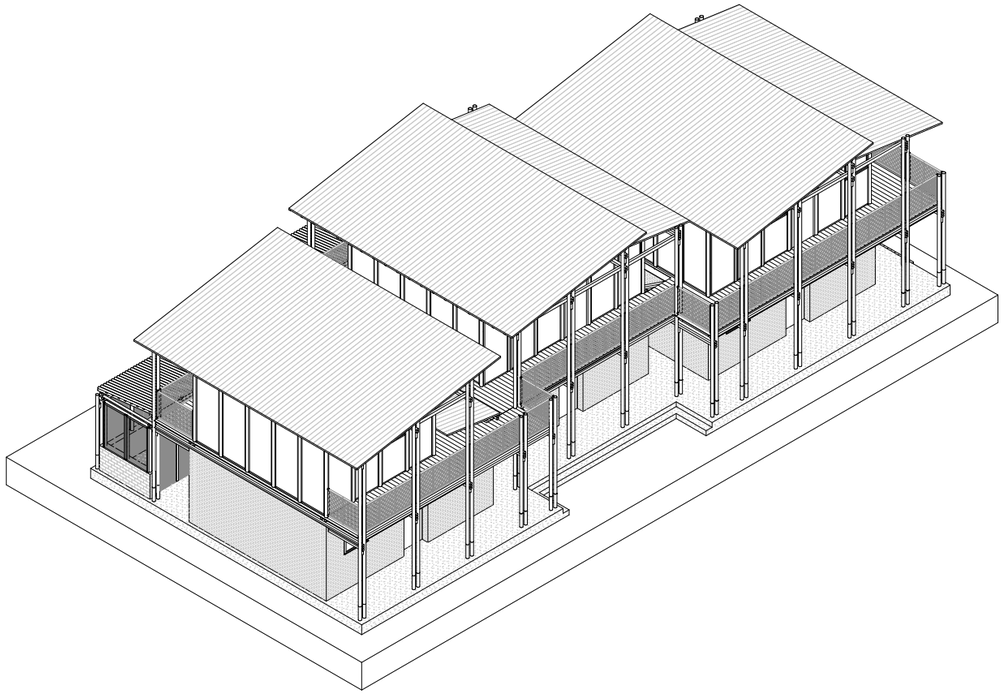


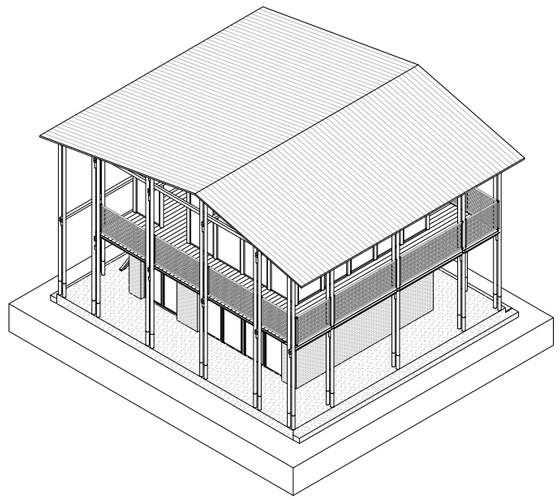
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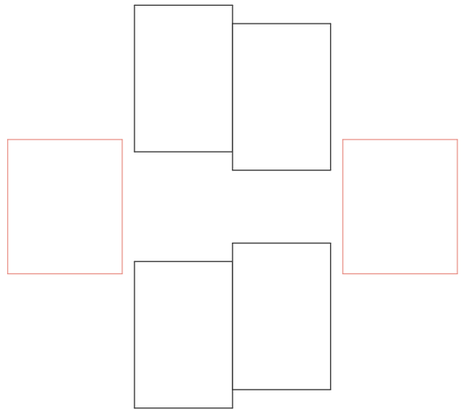


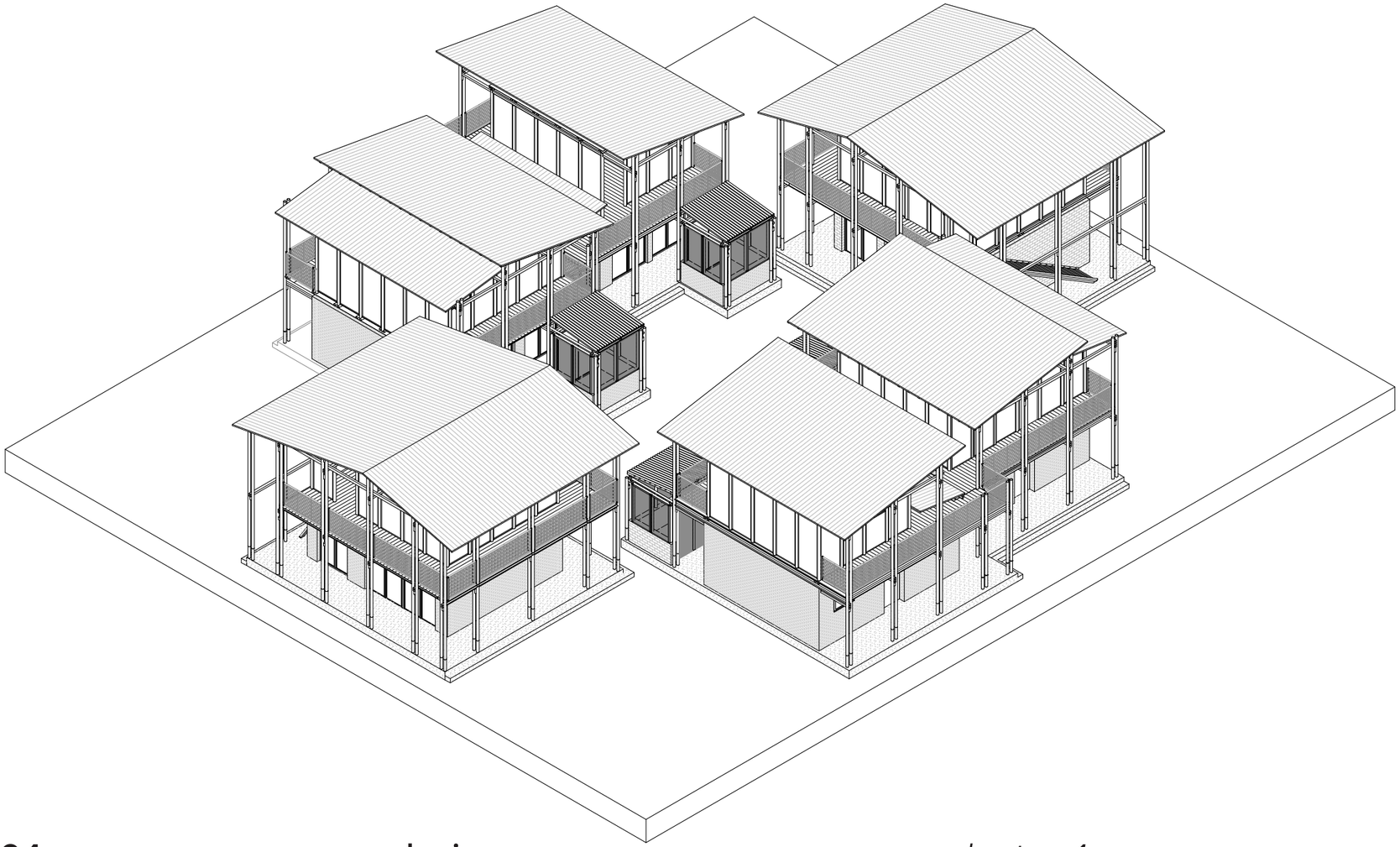
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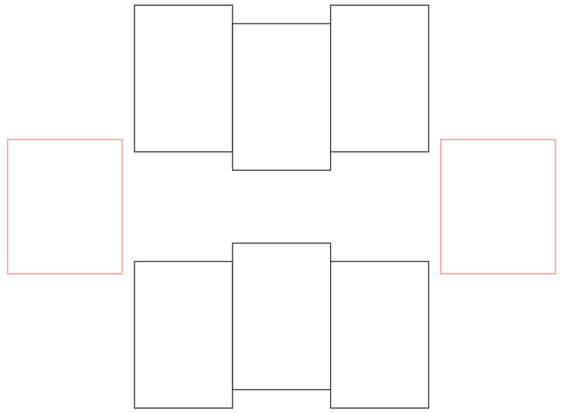


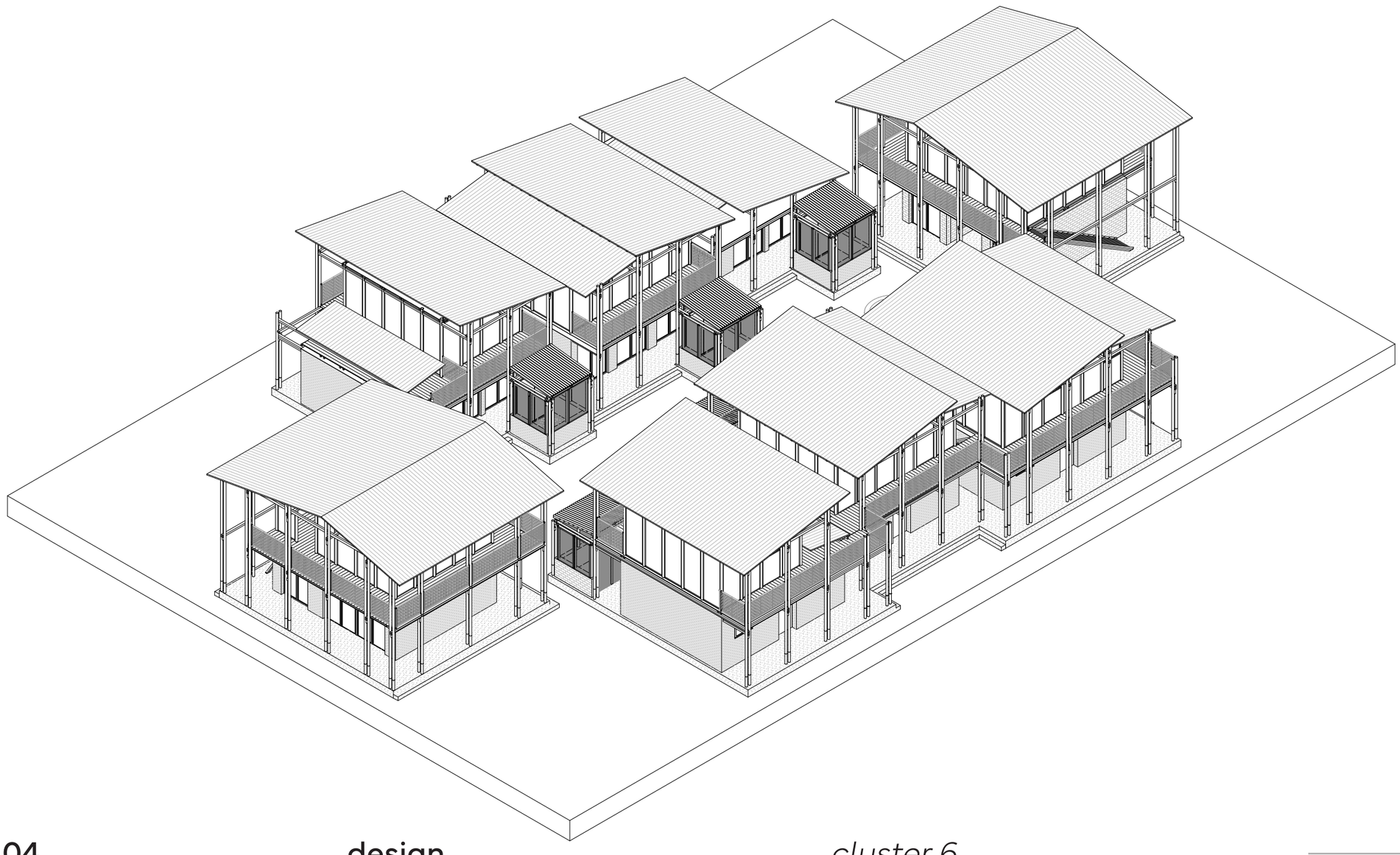


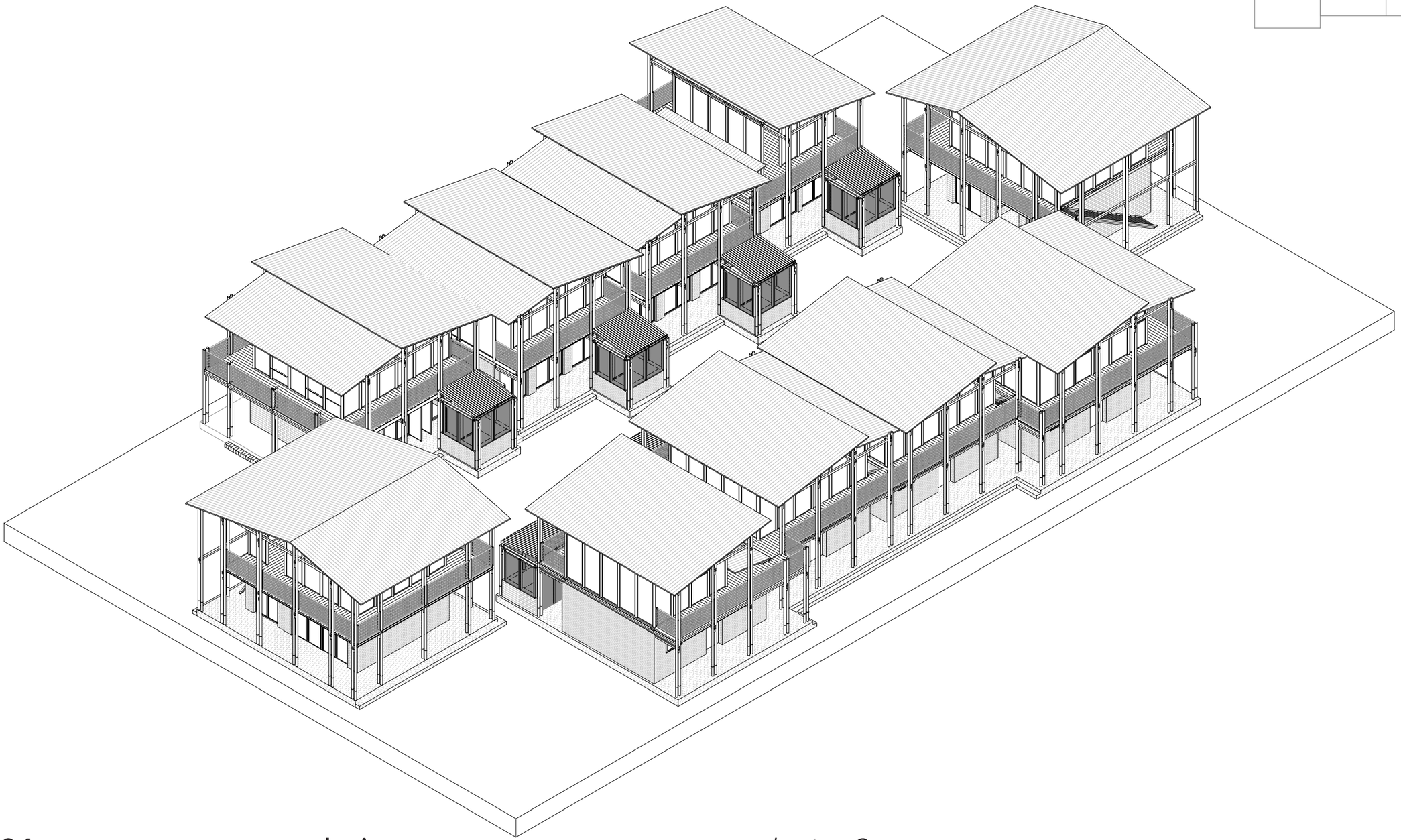


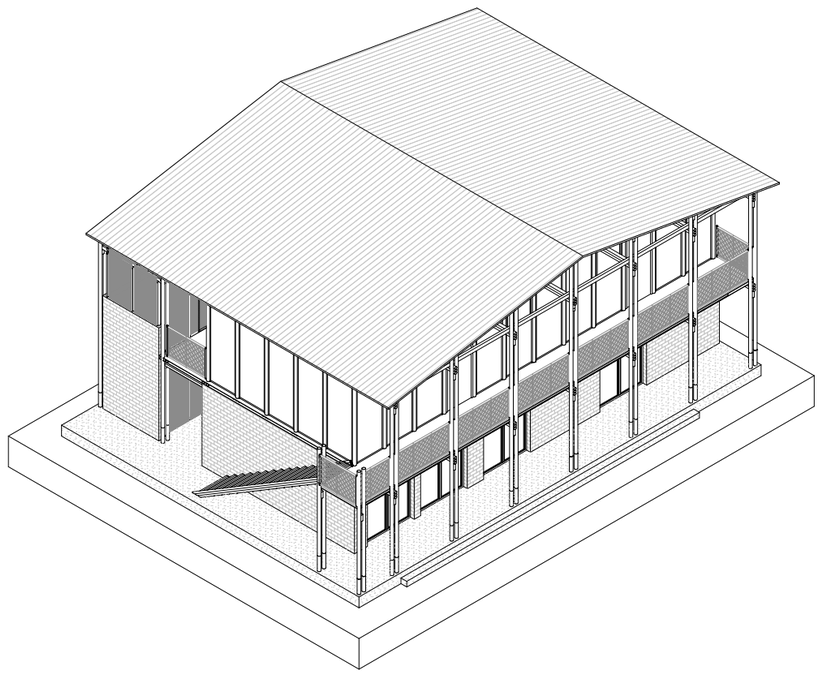


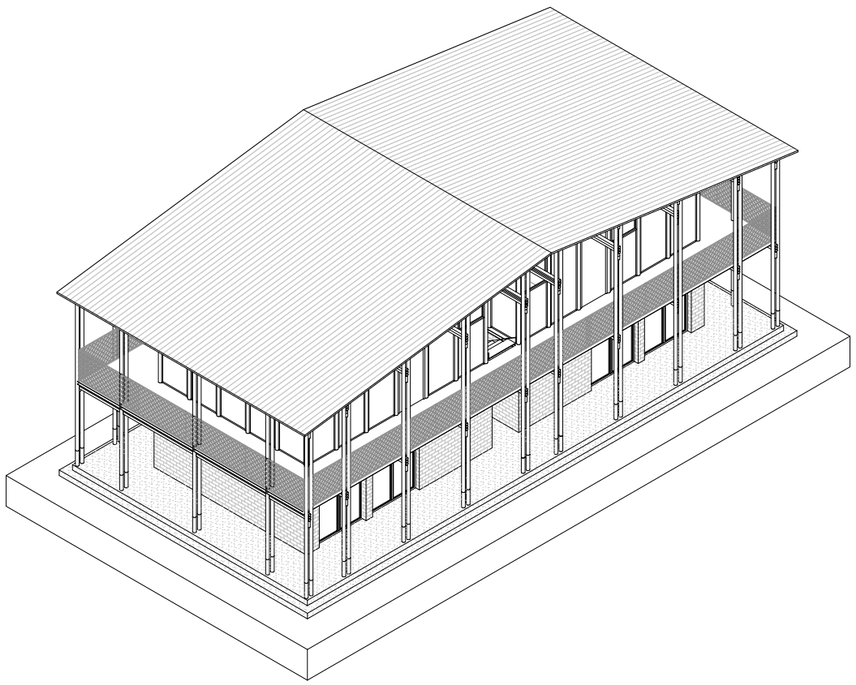






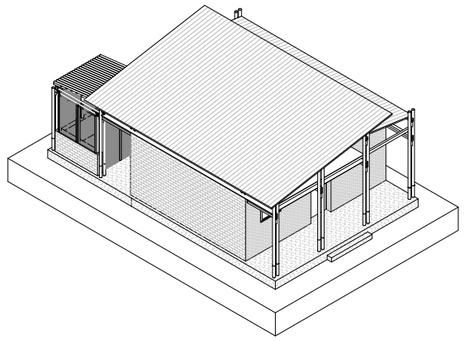


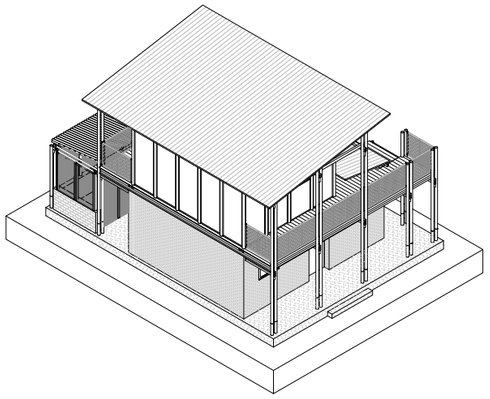


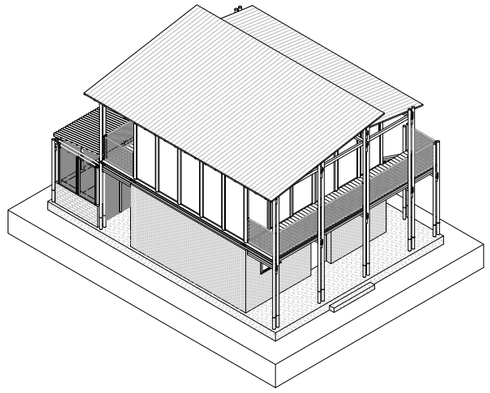


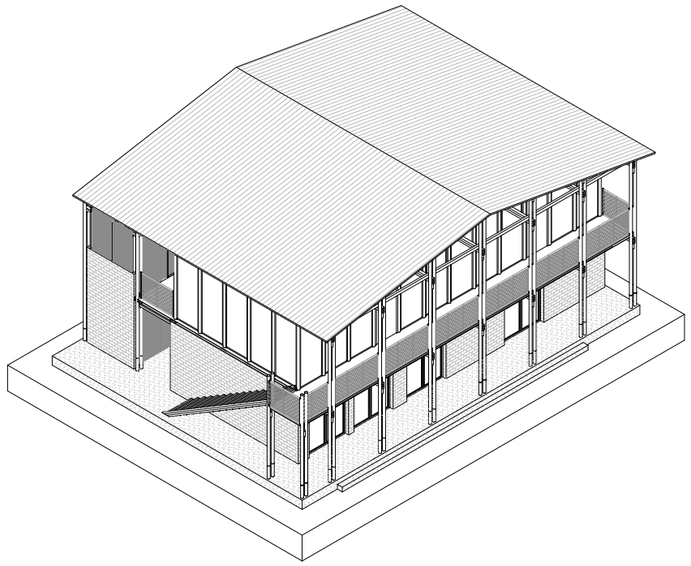


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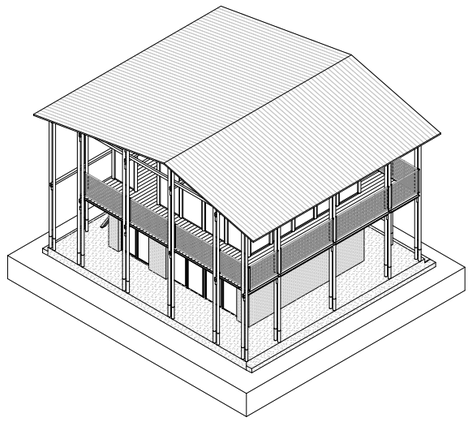


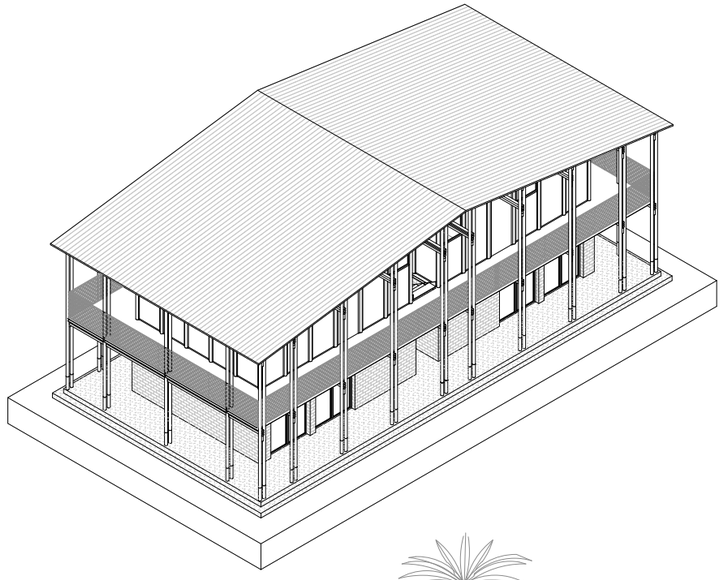




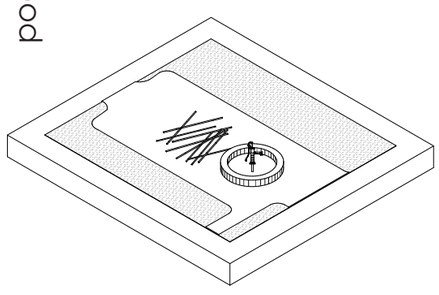


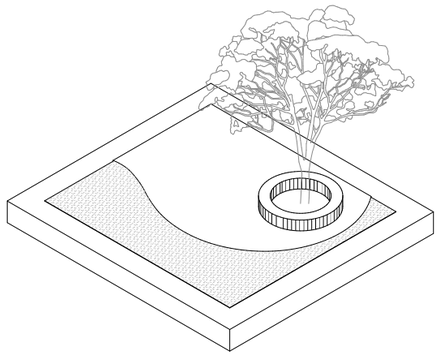
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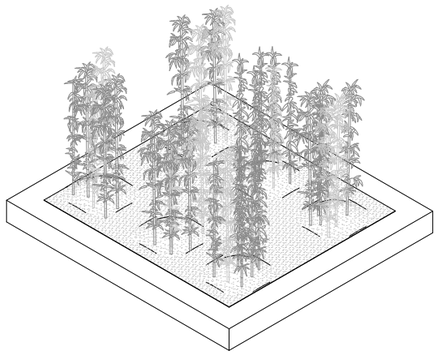


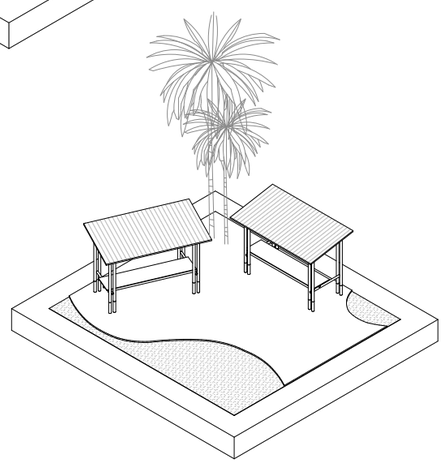


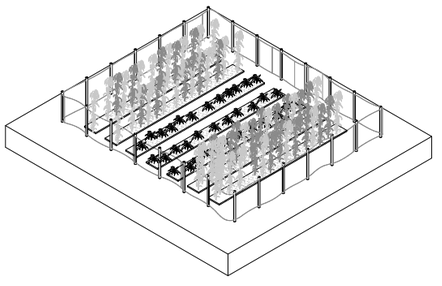
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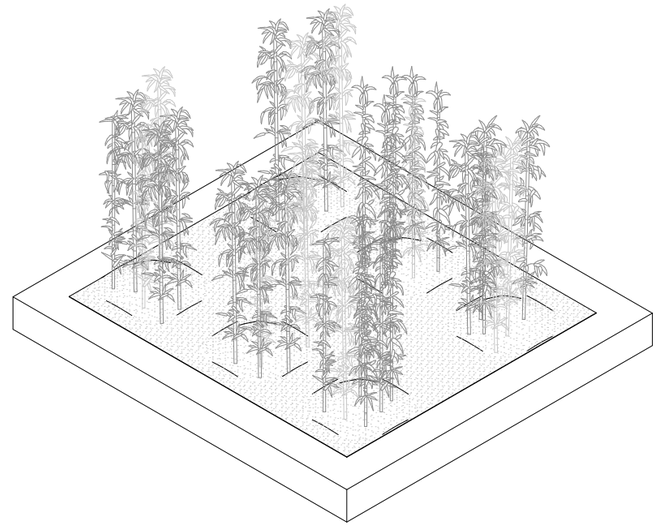






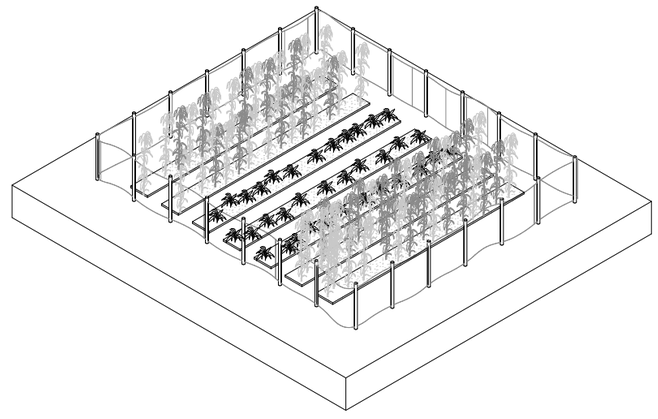






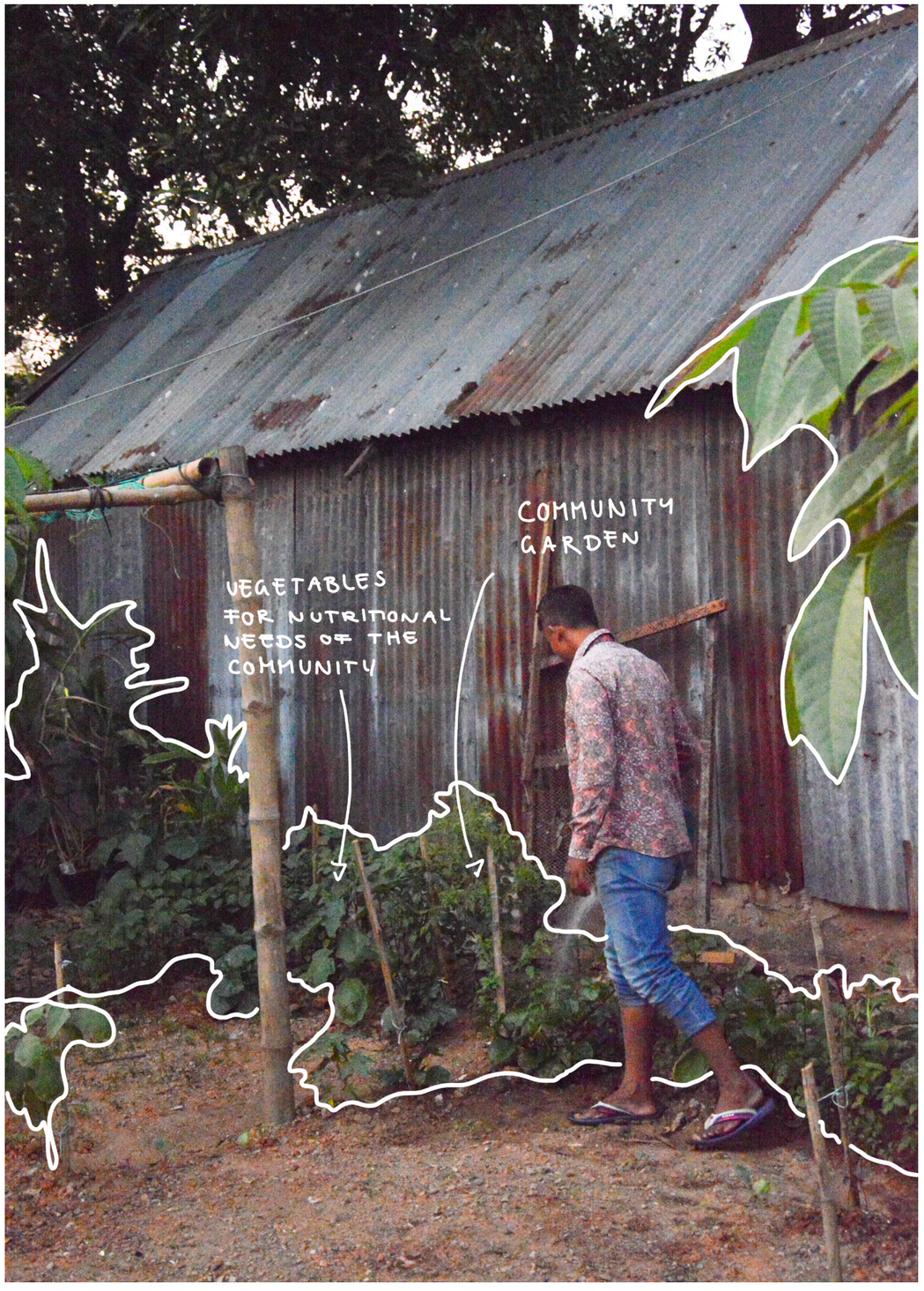
bamboo plantation



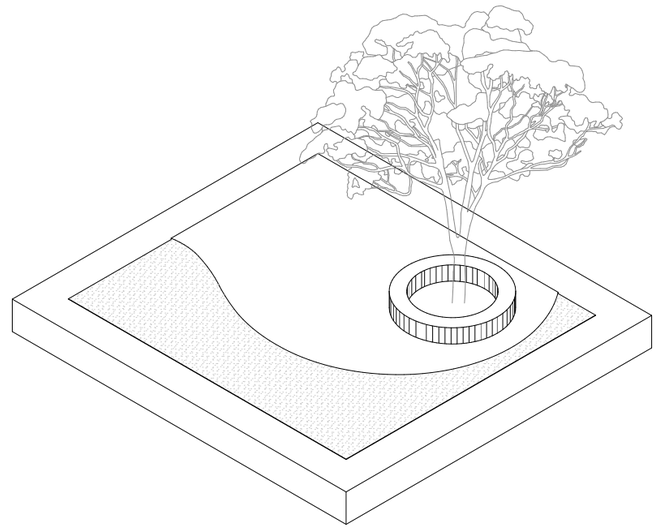


community garden


GARDENS FENCED OFF
HOME GARDENING

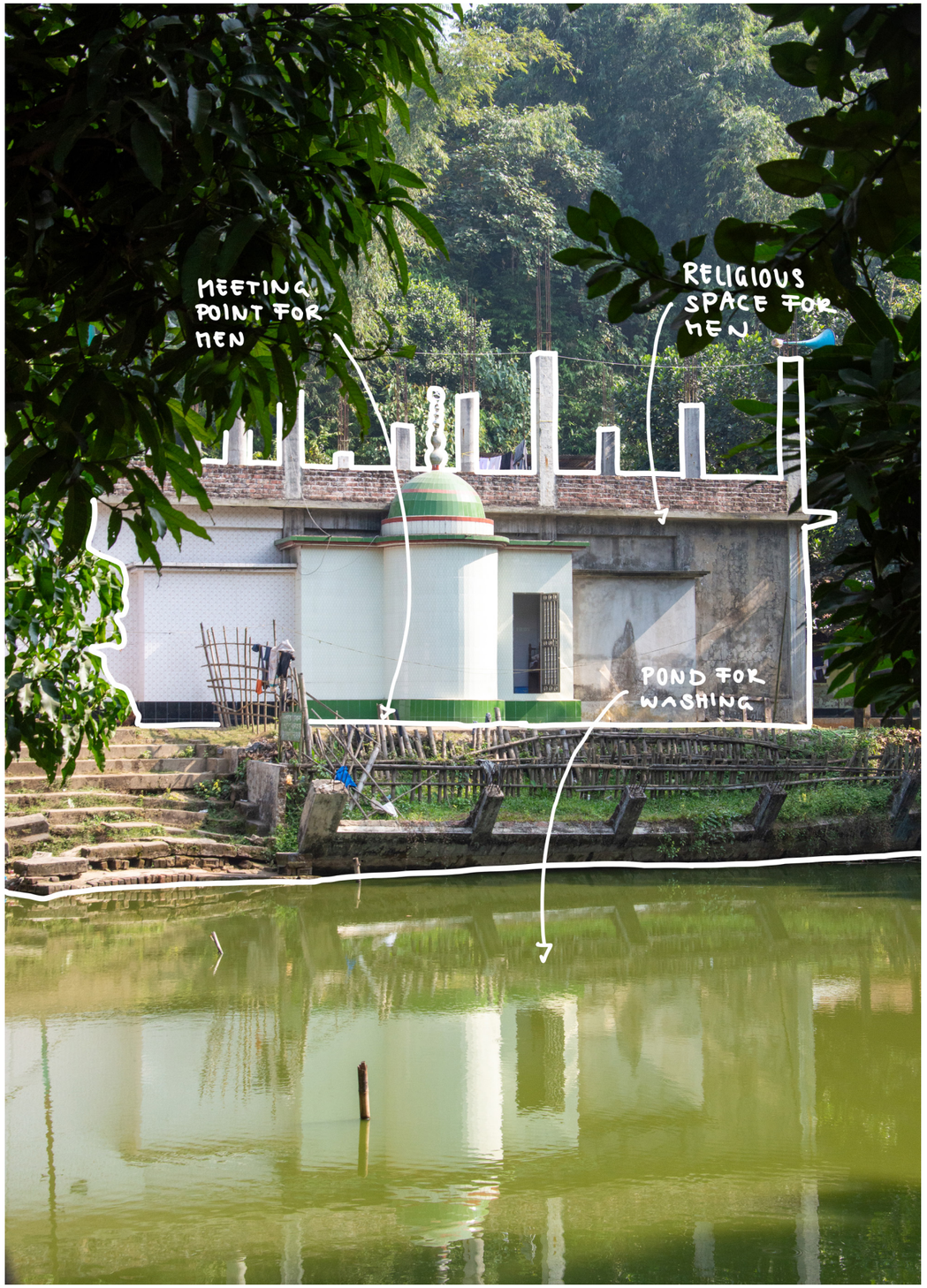

COMMUNITY GARDEN
VEGETABLES FOR NUTRITIONAL NEEDS OF THE COMMUNITY





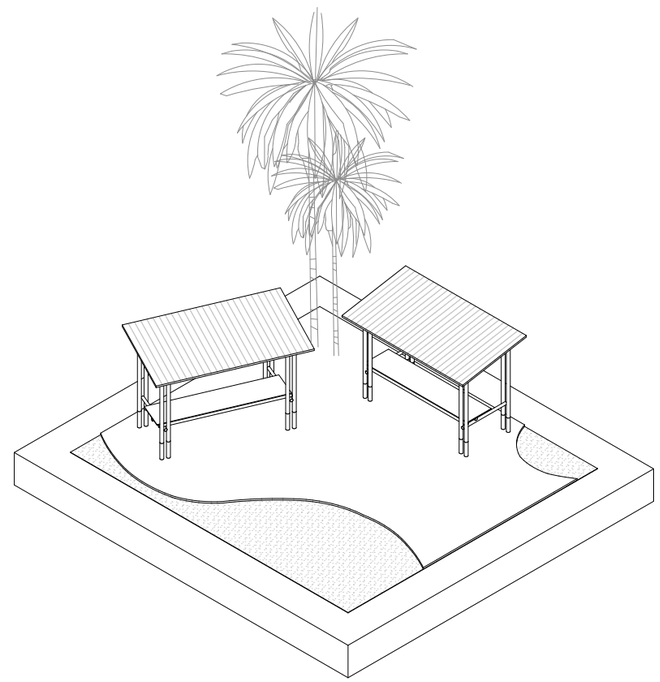
meeting point


MEN GATHERING
ON THE STREET


MEETING
POINT FOR
MEN
RELIGIOUS
SPACE FOR
MEN
POND FOR
WASHING





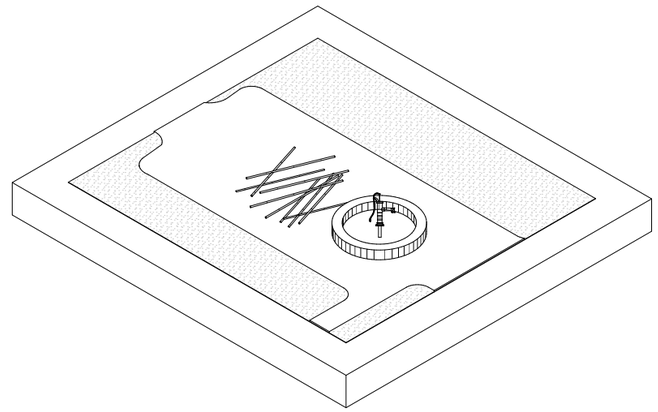


marekt square


STAGE FOR
CELEBRATION
OPEN SPACE
FOR SPORTS
AND CELEBRATION

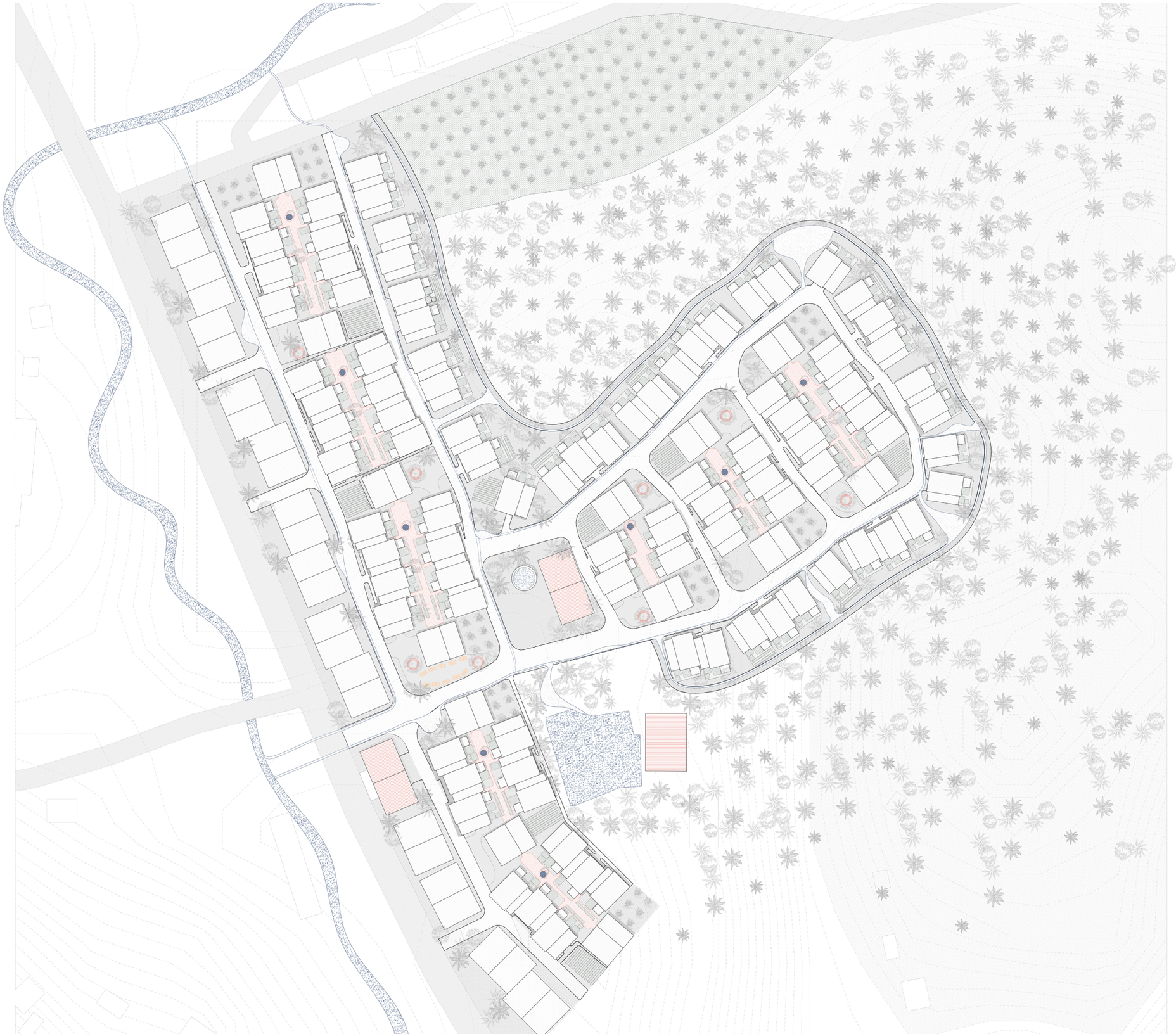






tube well /
courtyard







bamboo plantation





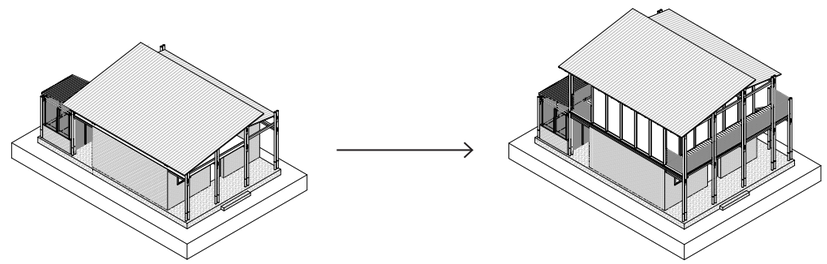
bamboo plantation

building in phases with contractor
train specialists









bamboo plantation

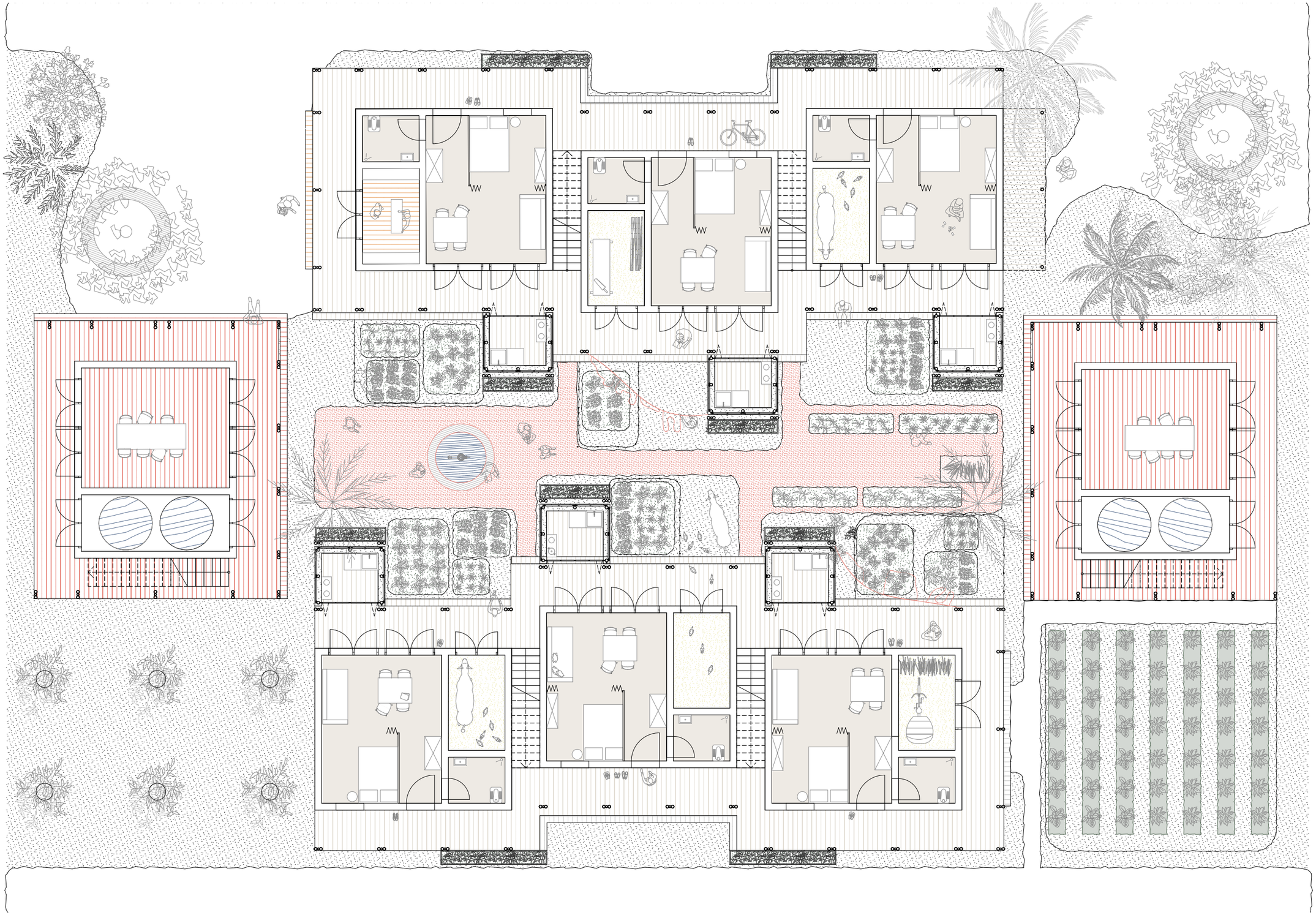
building in phases with contractor
train specialists

independent extension

design

cluster
unit



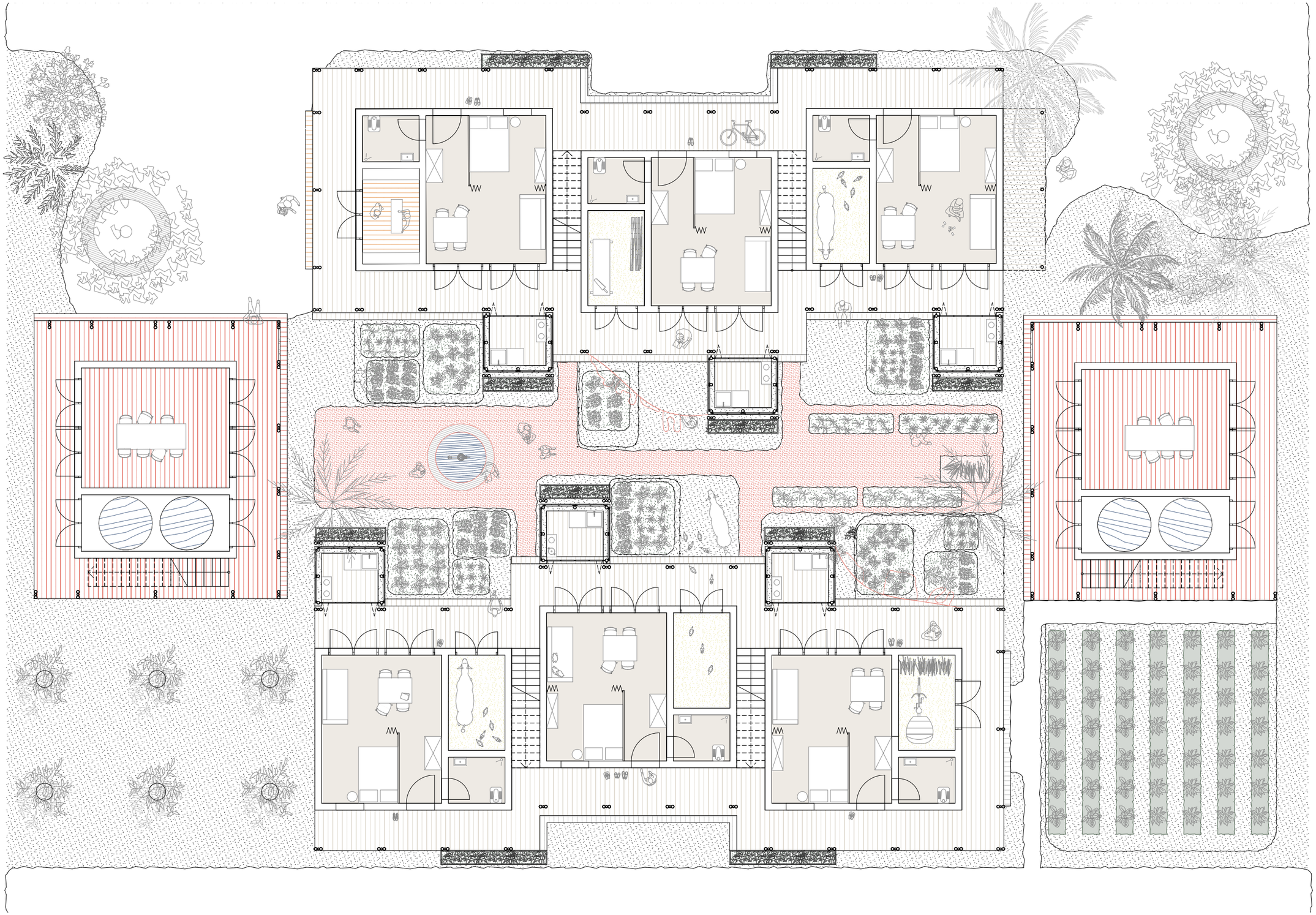


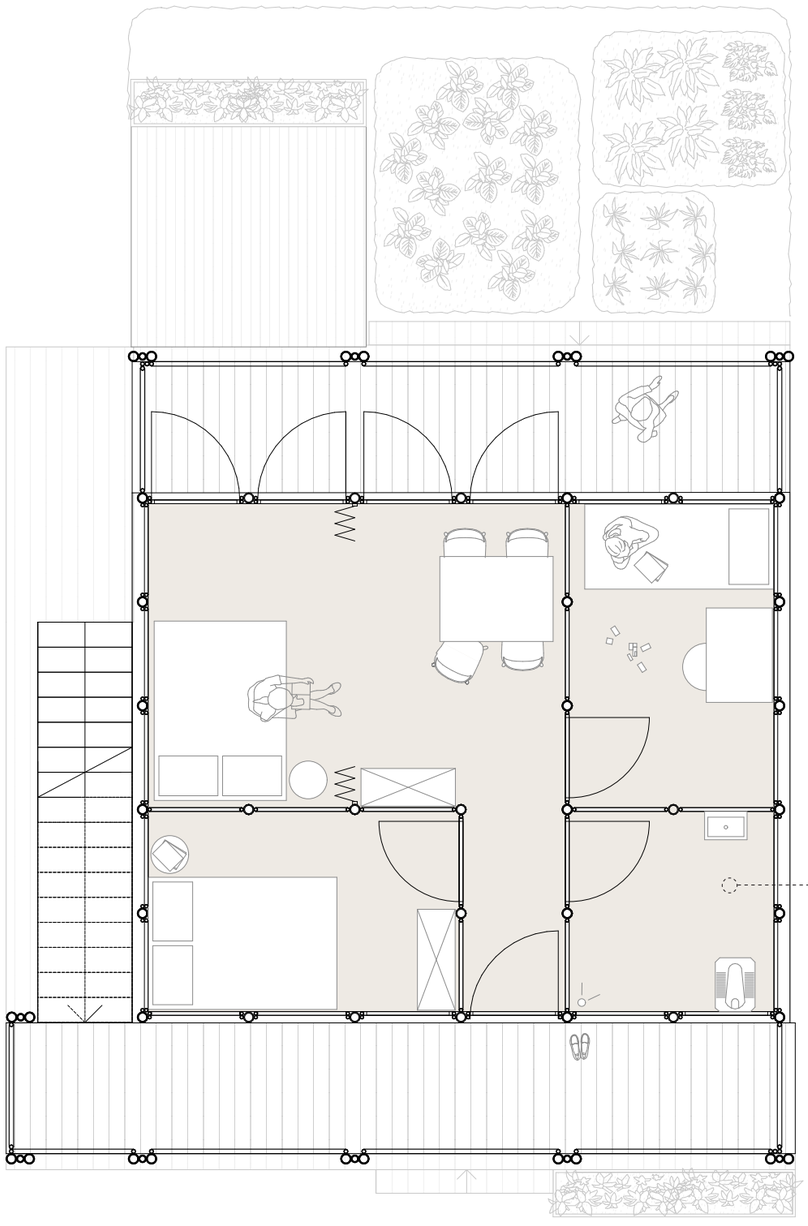



WOMEN COOKING ON LOW STOOL
OPEN FIRE STOVE

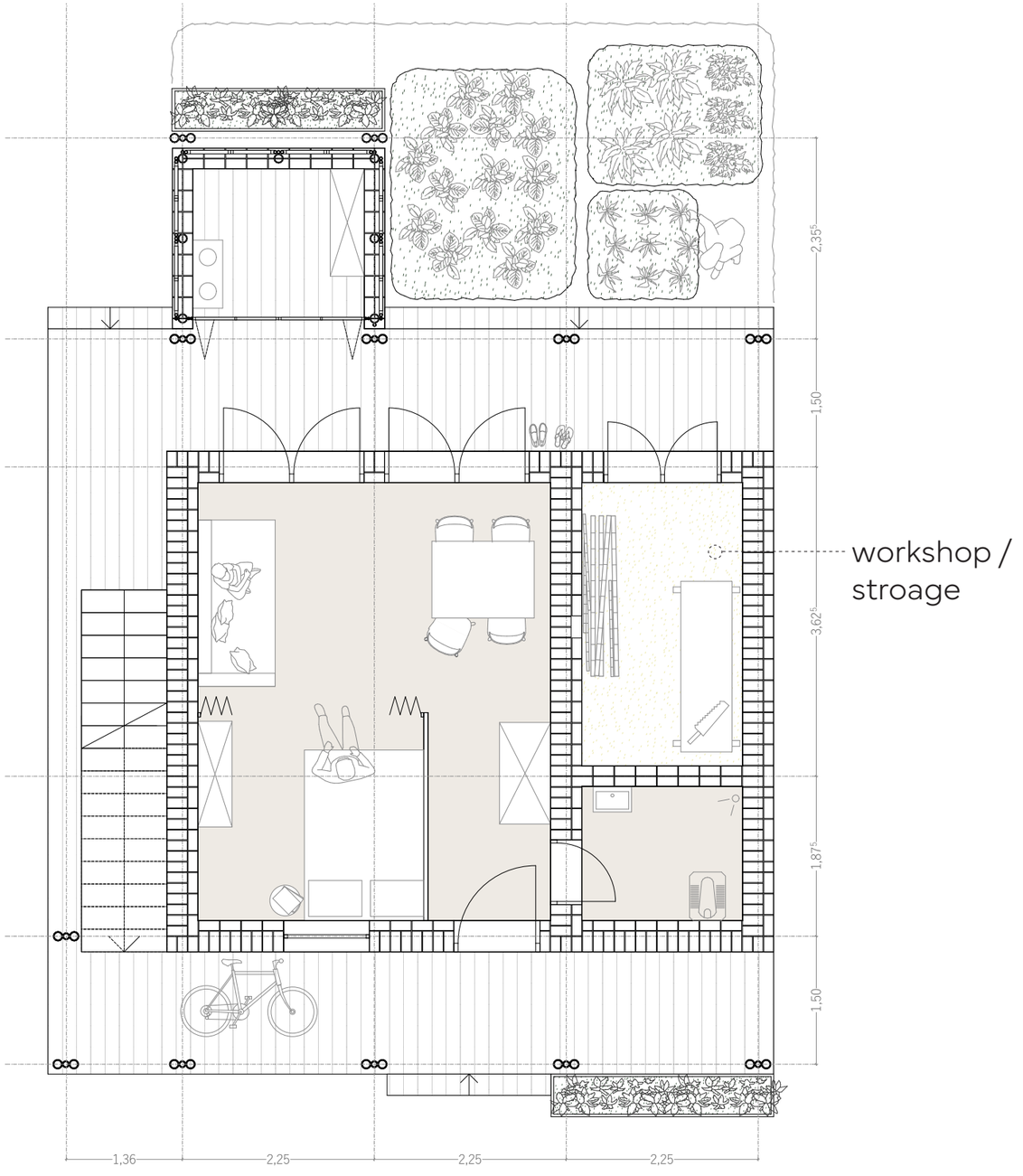

THE HIGHT IS VERY CONVENIENT TO STORE COOKING
WE NEED SPACE FOR STORING STICKS FOR COOKING
A SEPERATE KITCHEN IS GOOD FOR NOT HAVING THE SMOKE IN THE HOUSE
WE ARE USED TO COOK WHILE SITTING





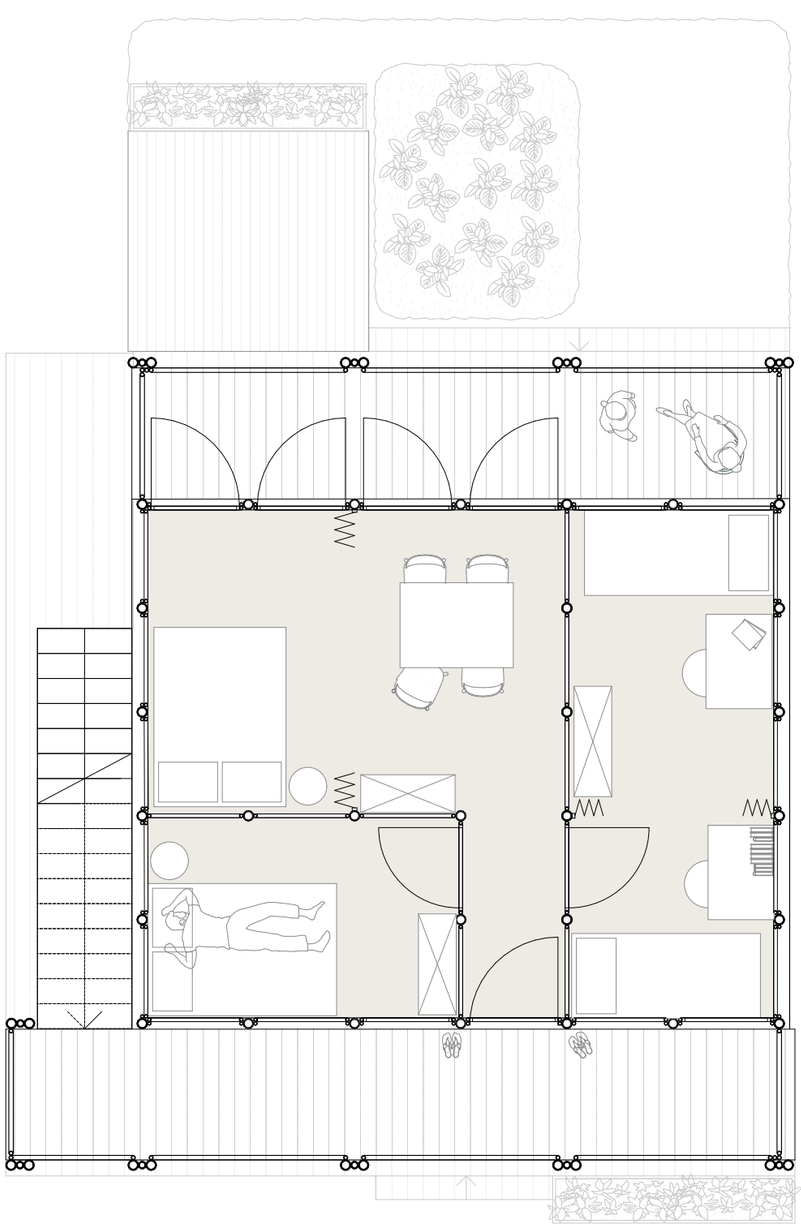


first floor

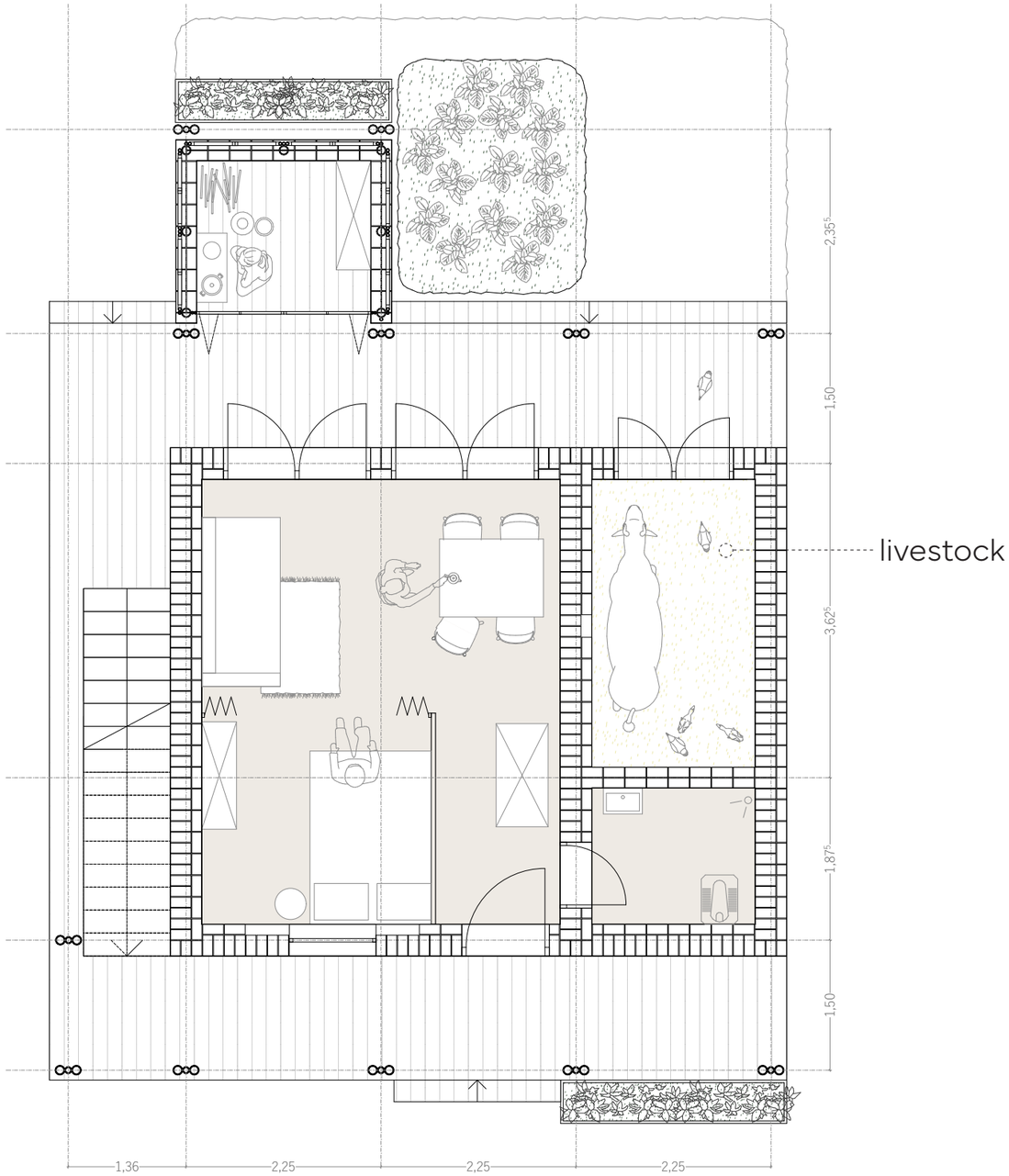


ground floor

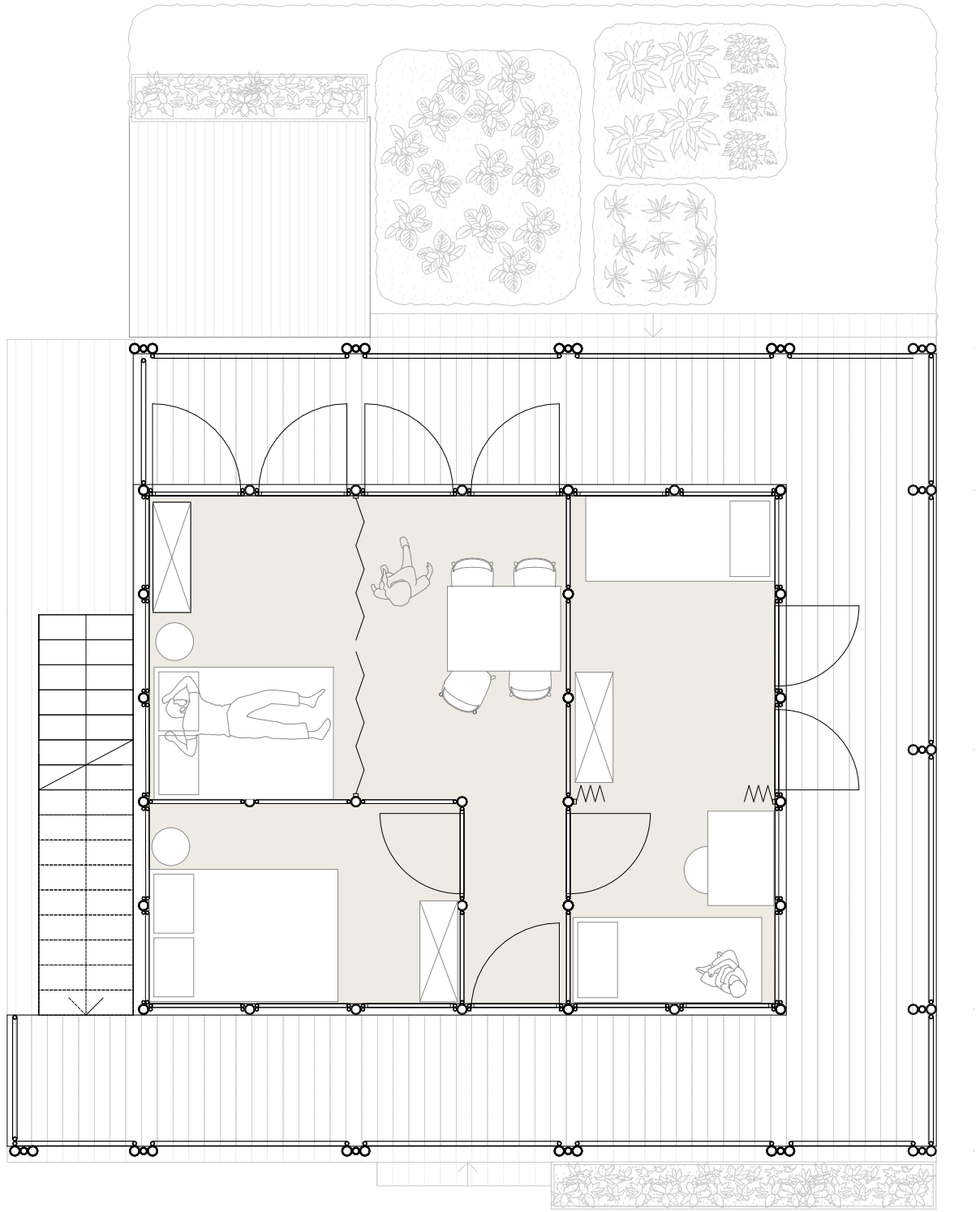




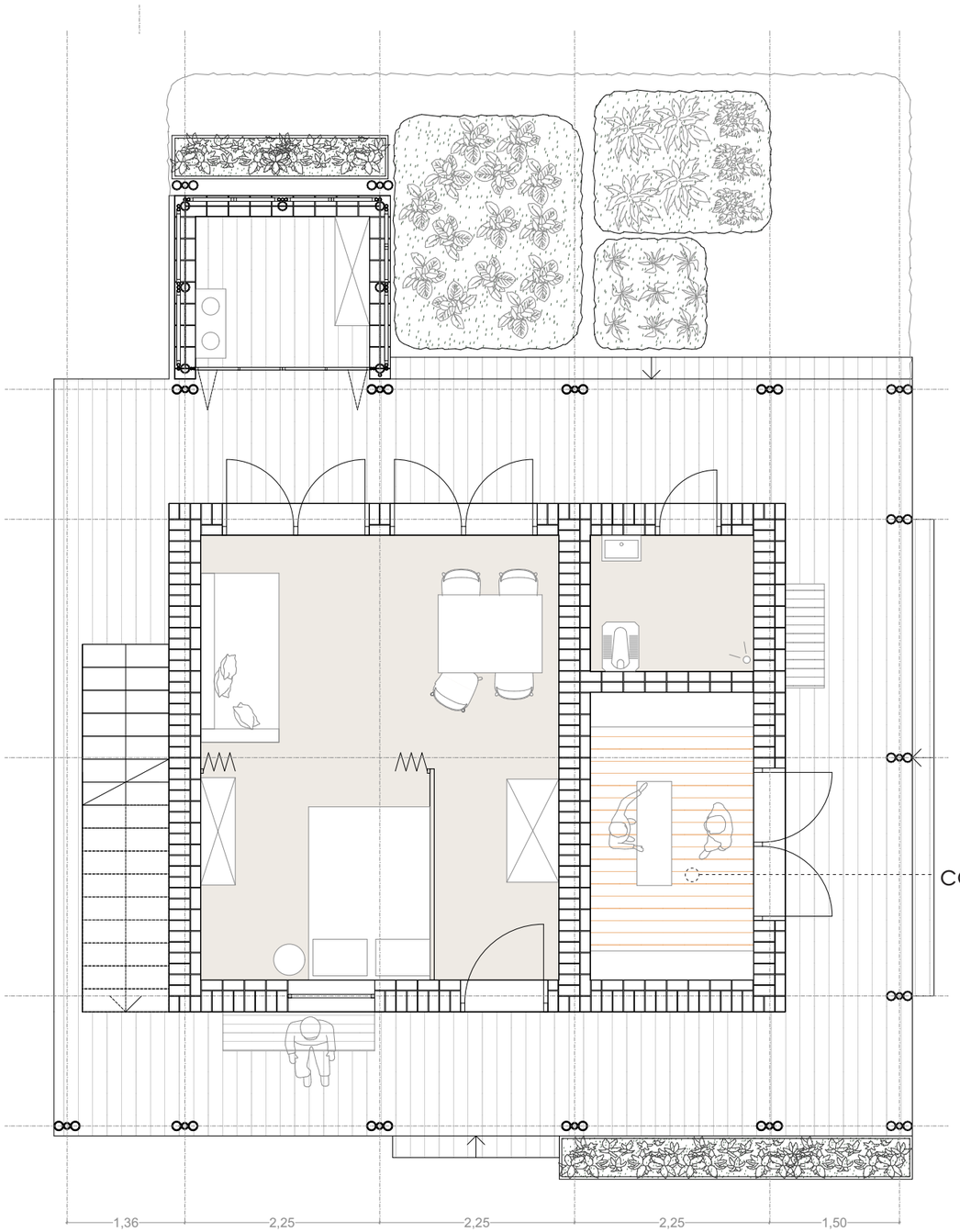
first floor



ground floor



first floor

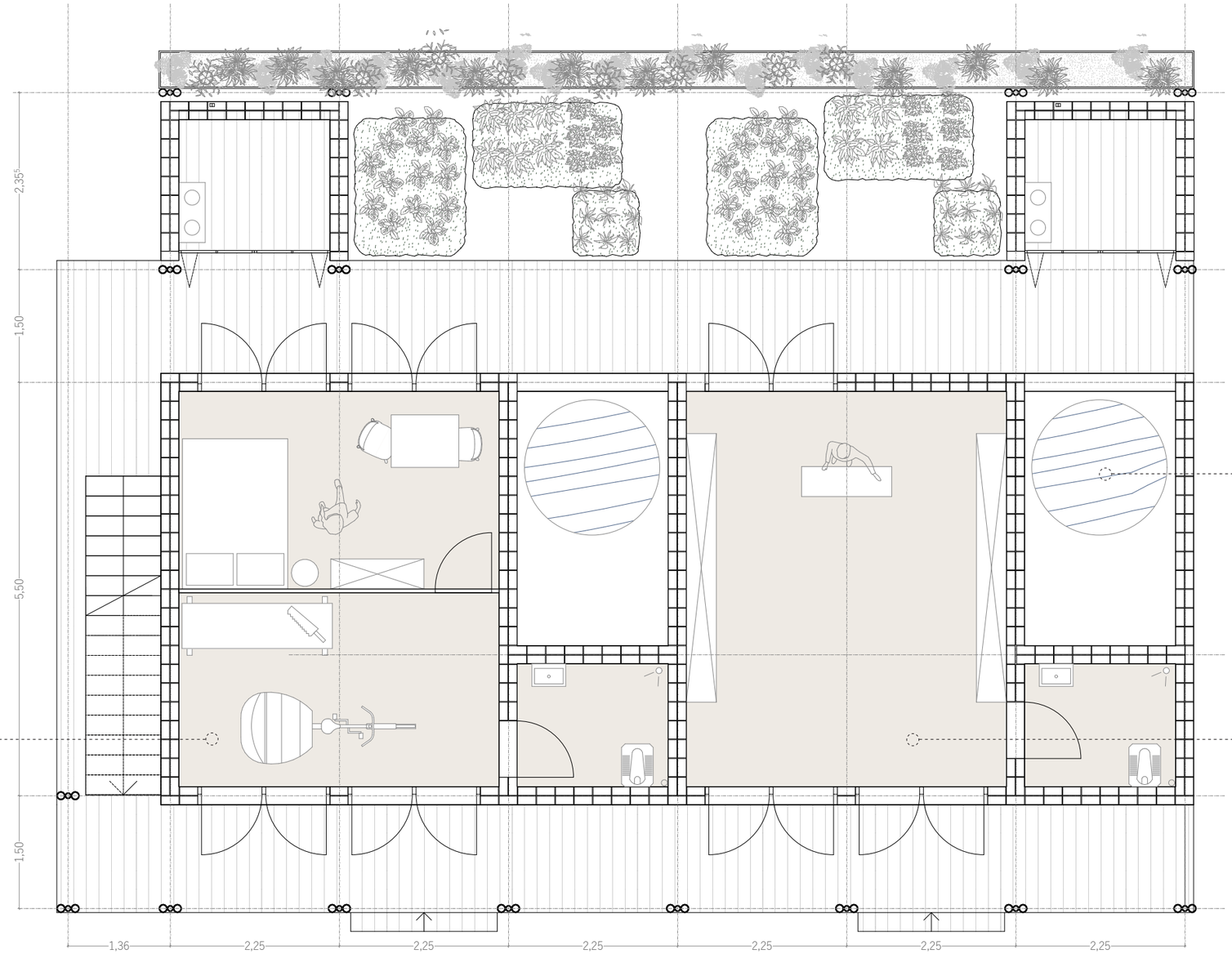


ground floor


SHOP ON SITE
INBETWEEN
DWELLINGS


BREAD
STALL

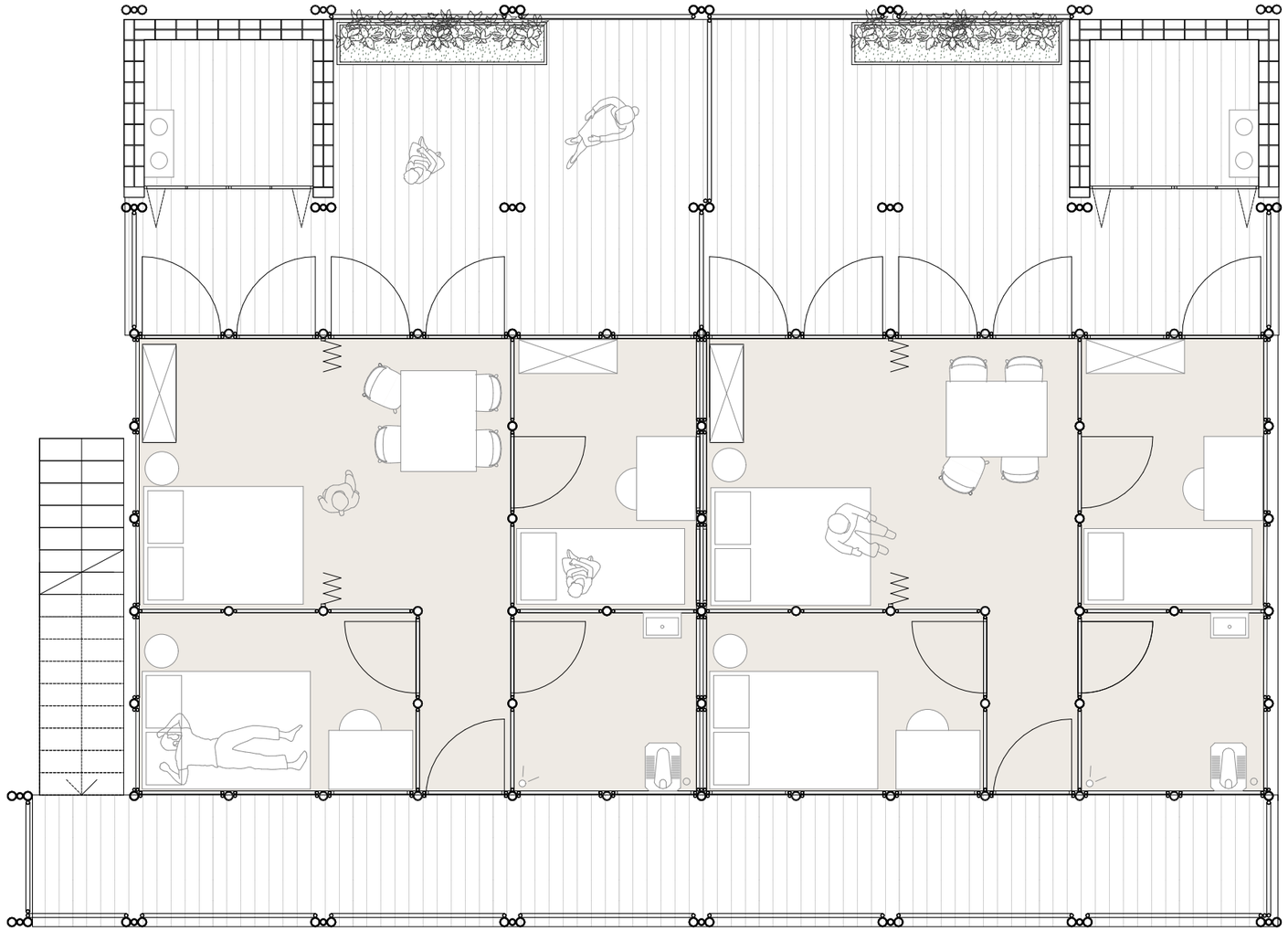




ground floor


মাওঃ ক্বারী আব্বুল হোসেন
কাজী ভিলা -৪৭-
লাক্কাতুরা বাজার, সিলেট,
মোবাঃ- ০১৭১২-১৩০৯০২-

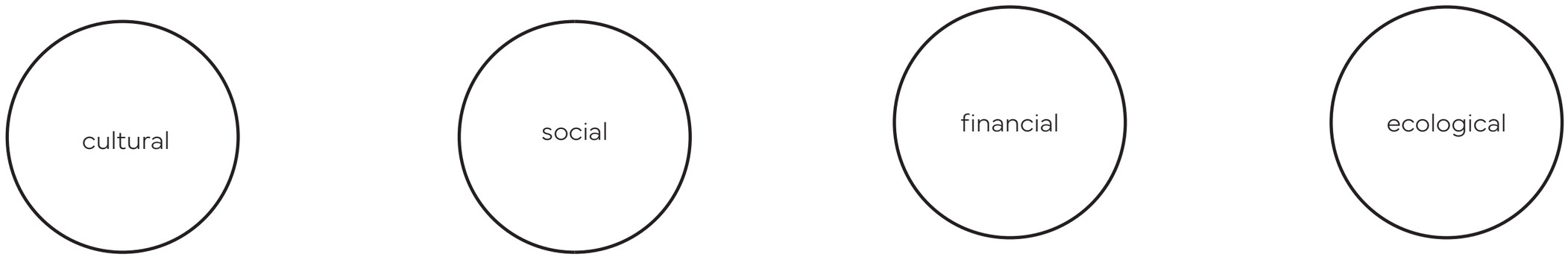

সালমান টেইলার্স
লেডিস এন্ড জেন্টস
এখানে সুতা, বক্রম, টেইলারিং সামগ্রী পাওয়া যায়।
সালমান টেইলার্স
লেডিস এন্ড জেন্টস
এখানে সুতা, বক্রম, টেইলারিং সামগ্রী ও
টেইলারিং মেশিনের পার্টস পাওয়া যায়।
প্রোঃ ওলিউর রহমান
মোবাঃ ০১৭৬০-৬১০৭৩৪, ০১৭৮৬-৯২৭৮৬৫
লাক্কাতুর মুসলিম লাইন, মসজিদ রোড, সিলেট।



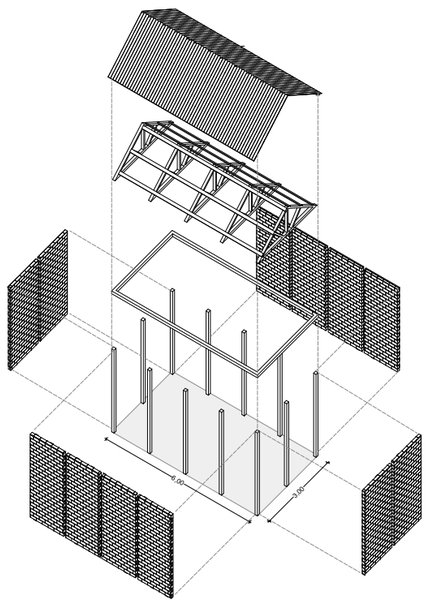
first floor

design

building technology

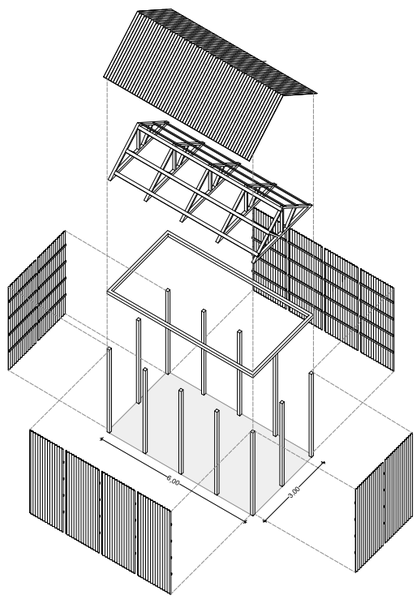

cultural
social
financial
ecological

cultural



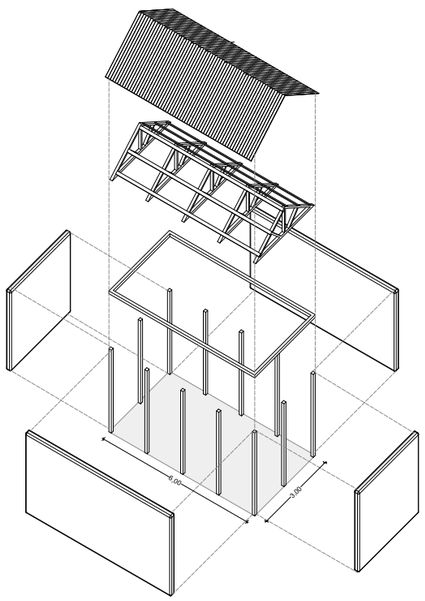
brick

exterior walls



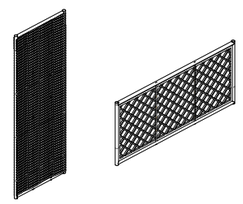
CI - sheets

roof
exterior walls
partition walls



mud

foundation
floor
exterior walls



bamboo

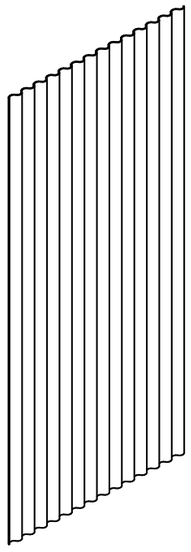
partition walls
fences
details
column

ecological

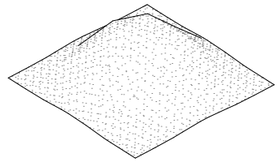
cultural



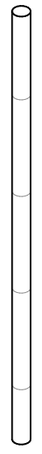
brick



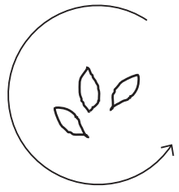
CI - sheets



mud



bamboo

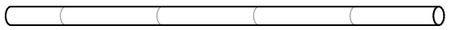


tea waste

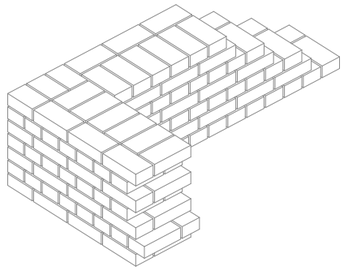
structural



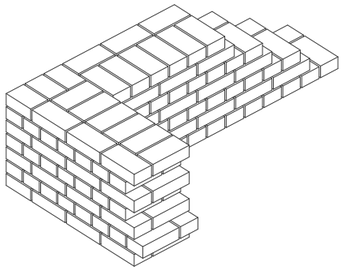
bamboo - column



bamboo - beam



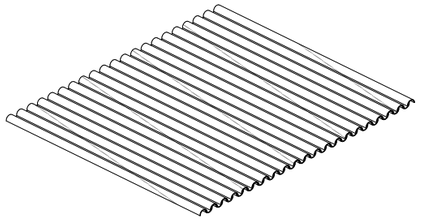
fired brick



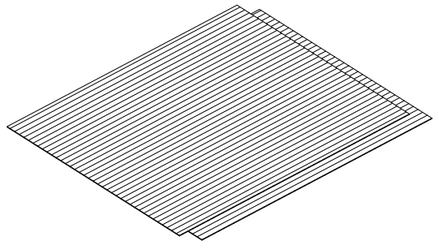
CEB

ecological

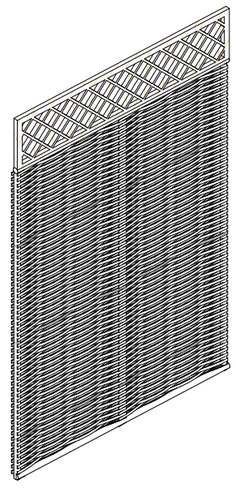
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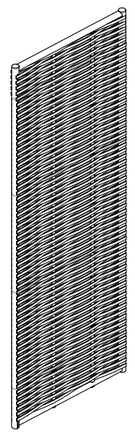
bamboo -roof



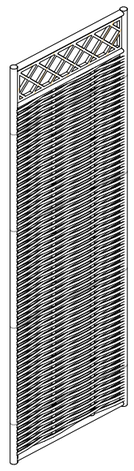
bamboo mat



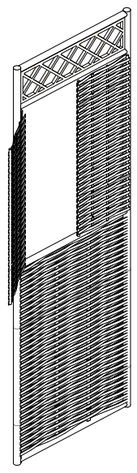
bamboo panel
double door + VG



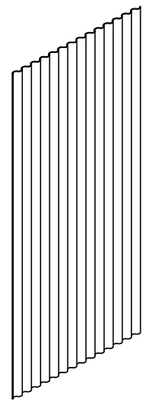
bamboo panel
closed



bamboo panel
closed + VG

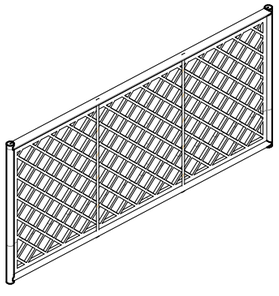


bamboo panel
window + VG

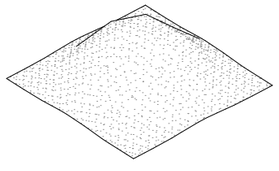


reused
CI - sheets

finish



bamboo - railing



earth/ lime plaster

financial

ecological

>50km

>40km

>70km

clay/silt/sand

lime

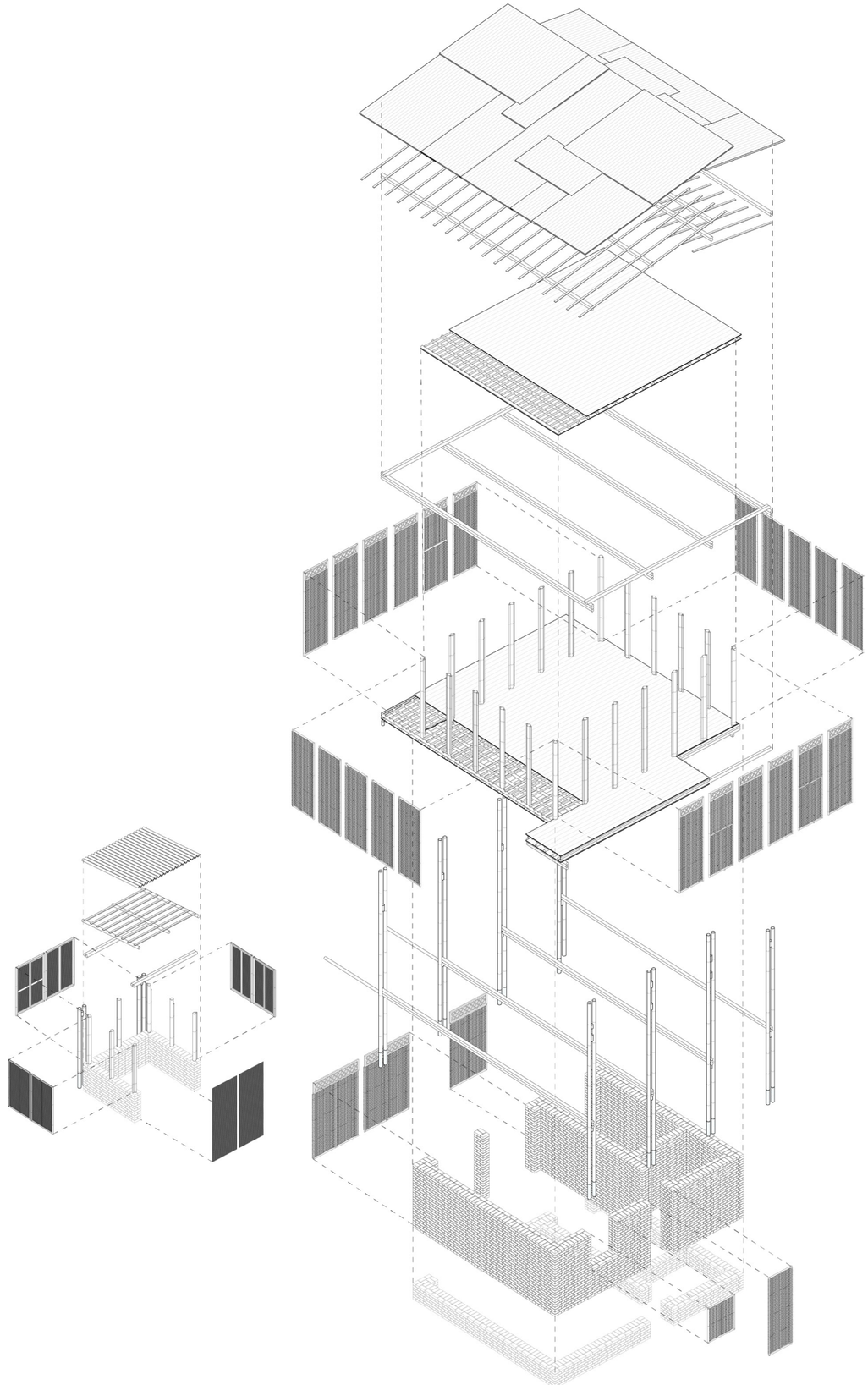
tea byproduct

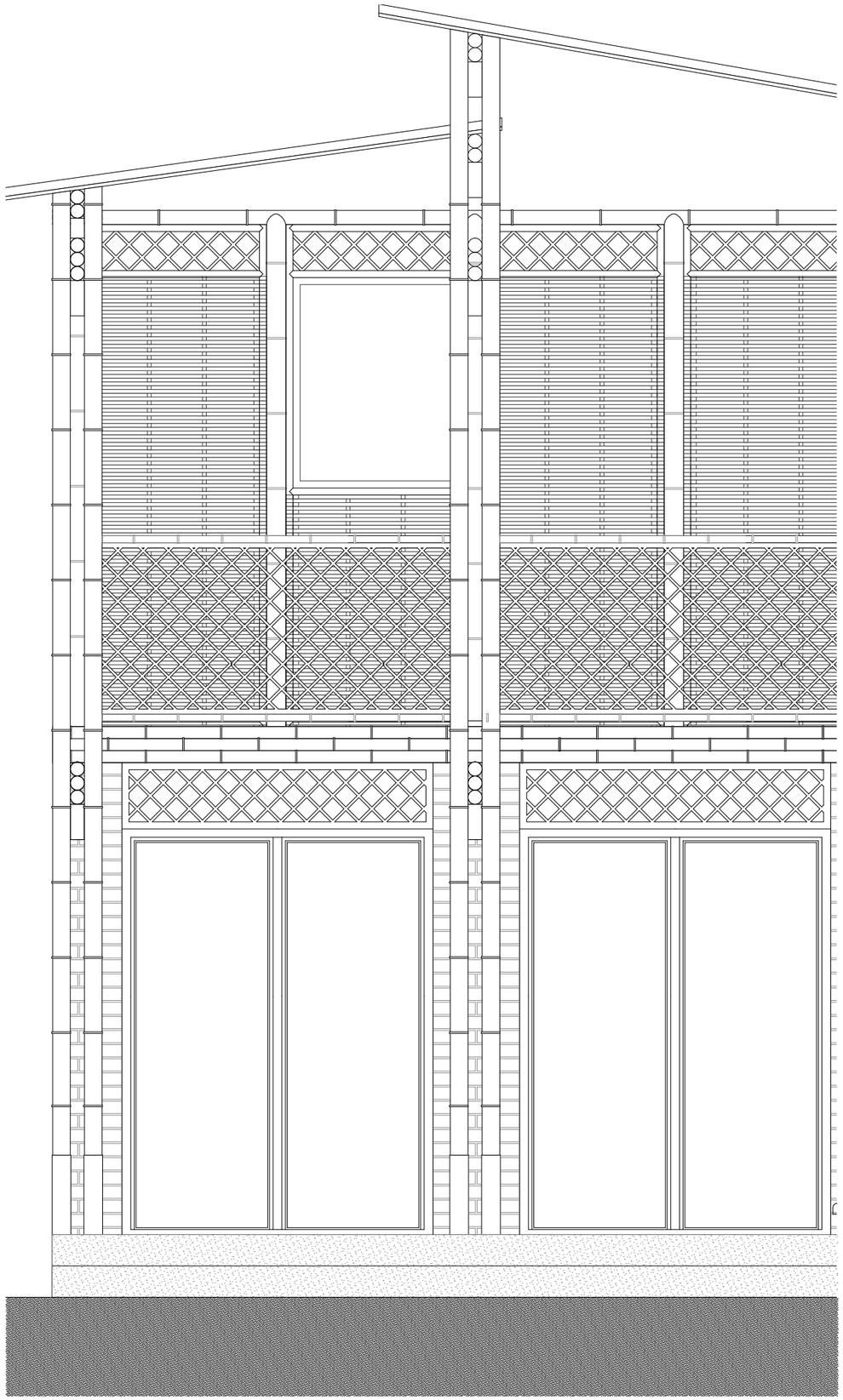
CI - sheets

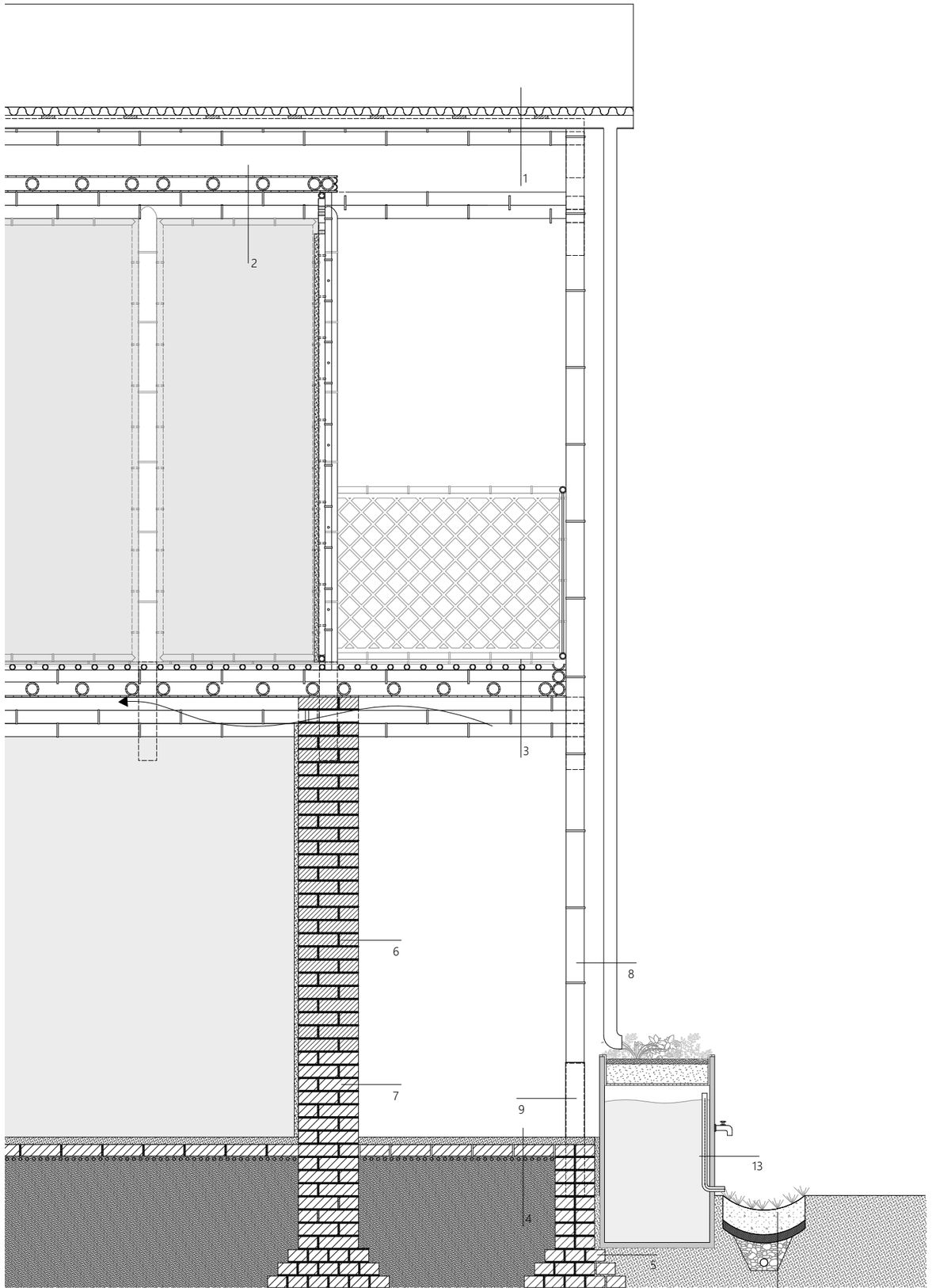
fired brick

import

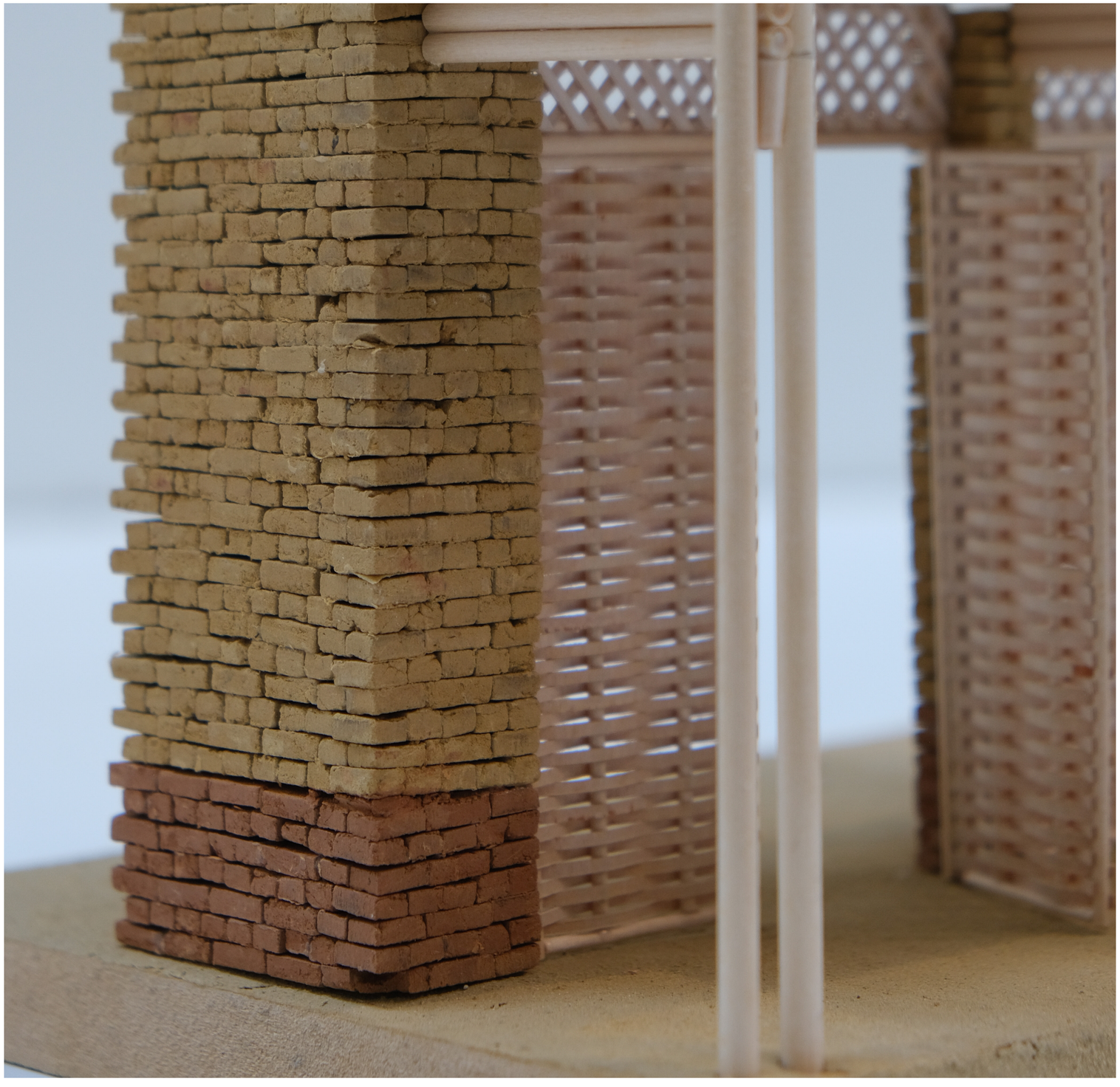
on site



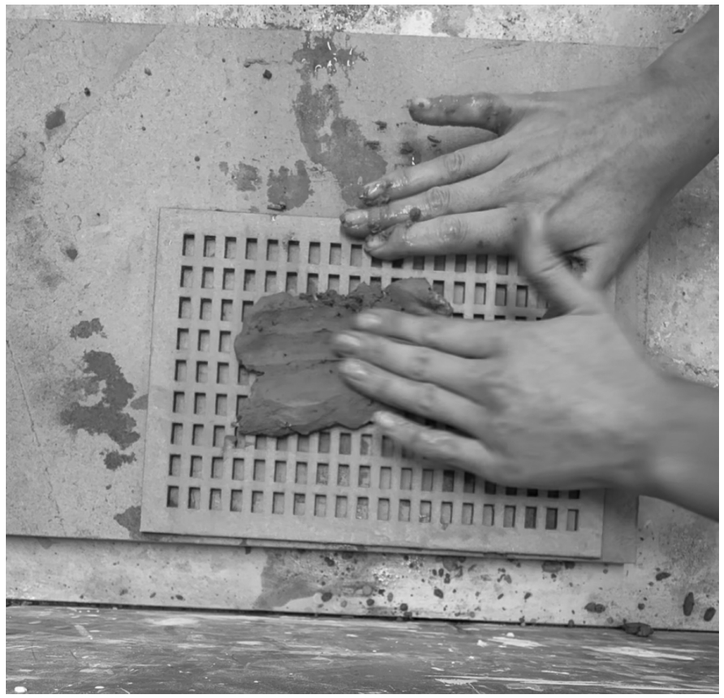


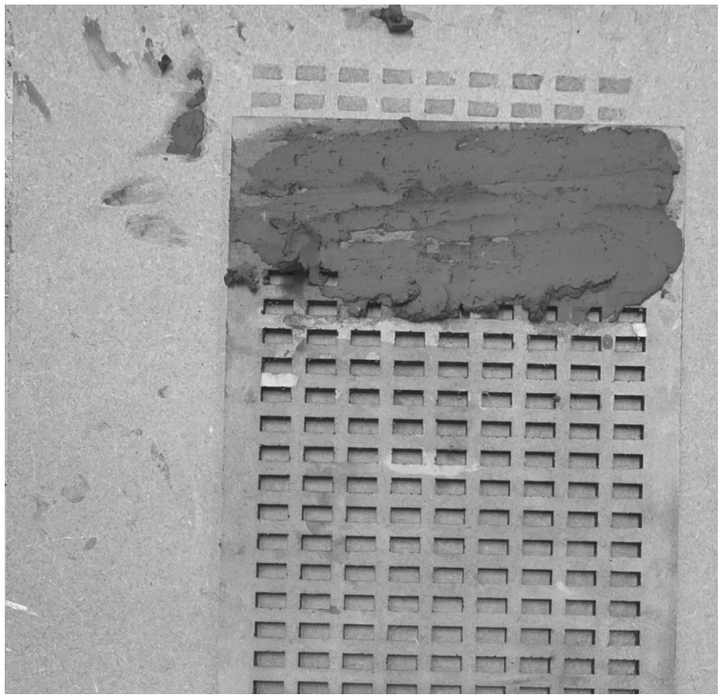

1
2
3
6
8
7
9
13
4
5
14

physical model




clay
sand
water
mold



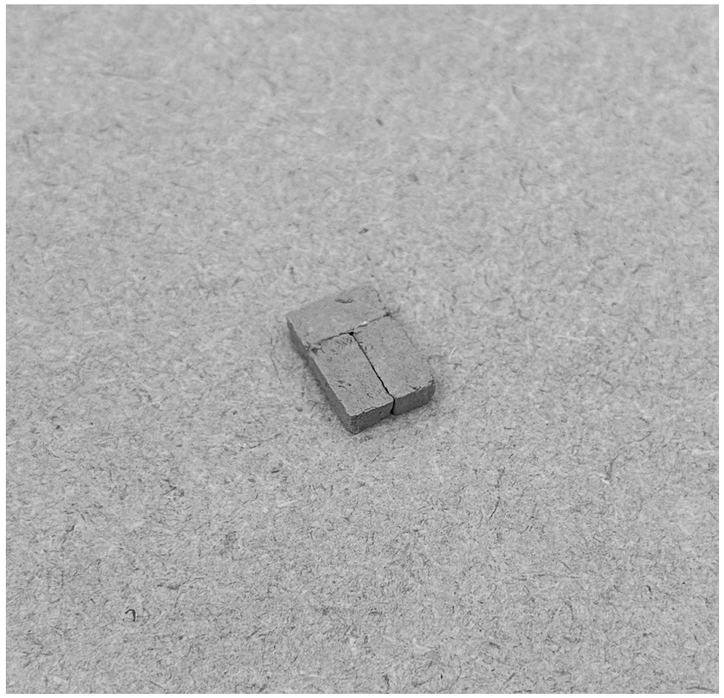


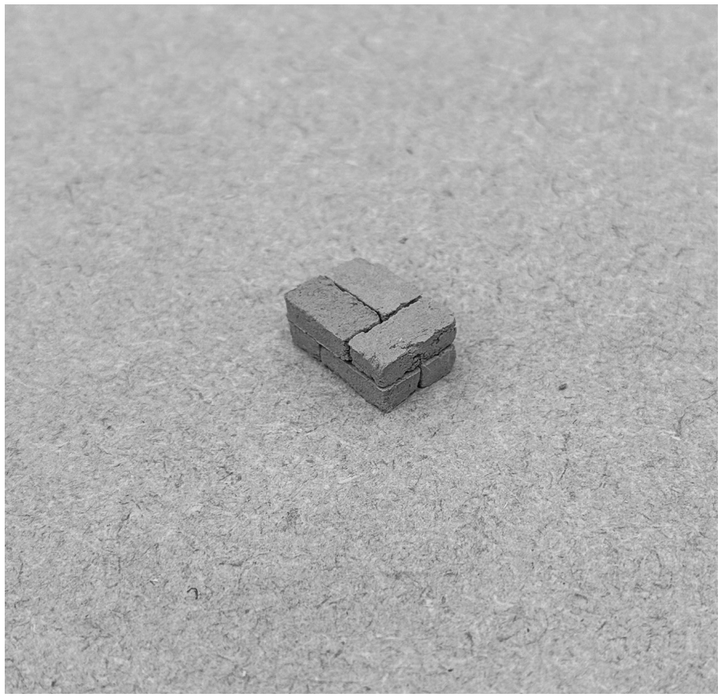


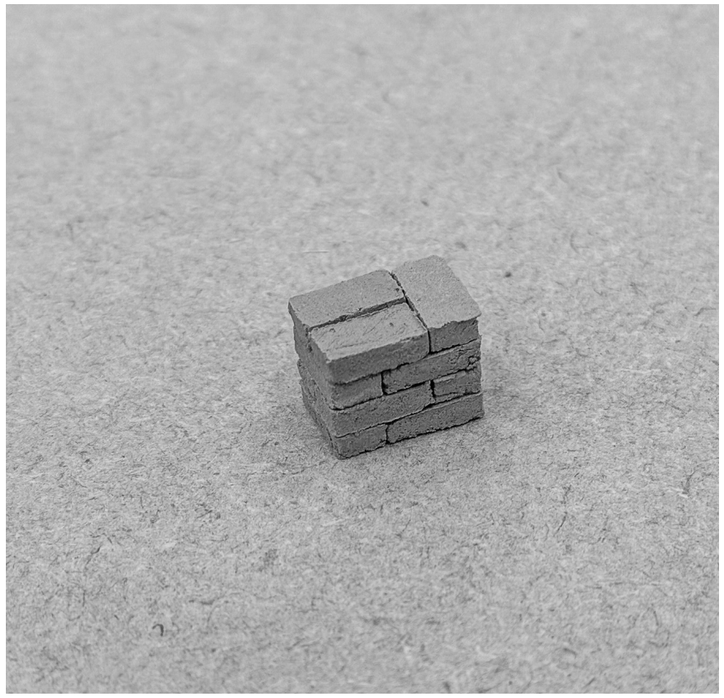


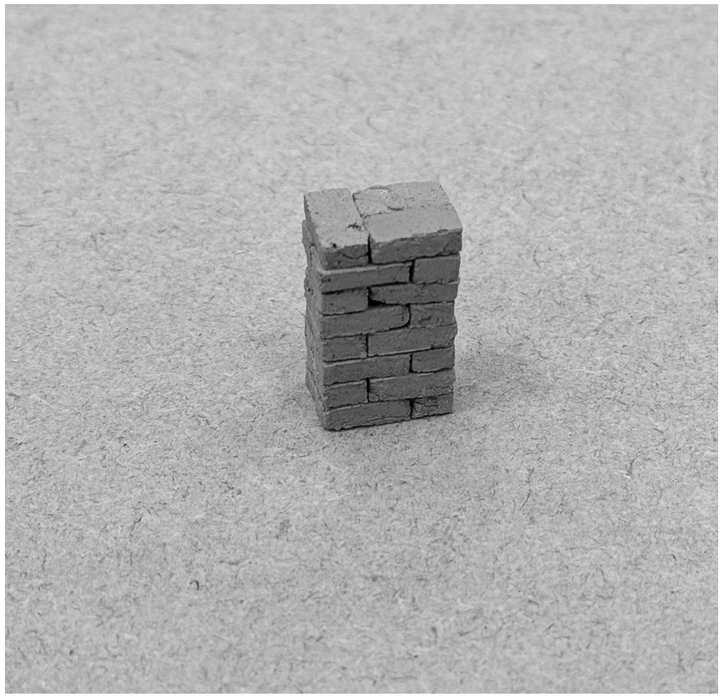


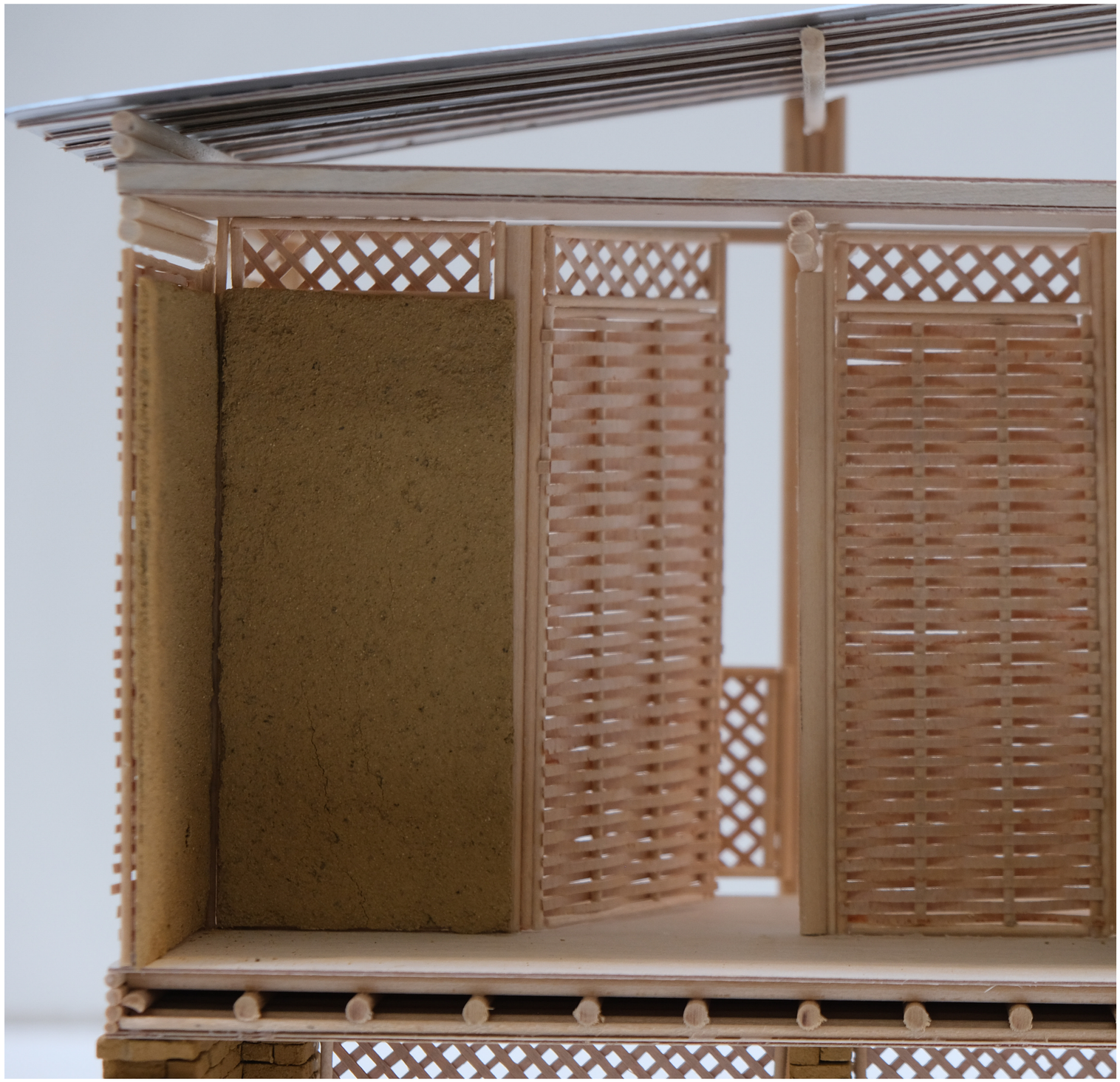








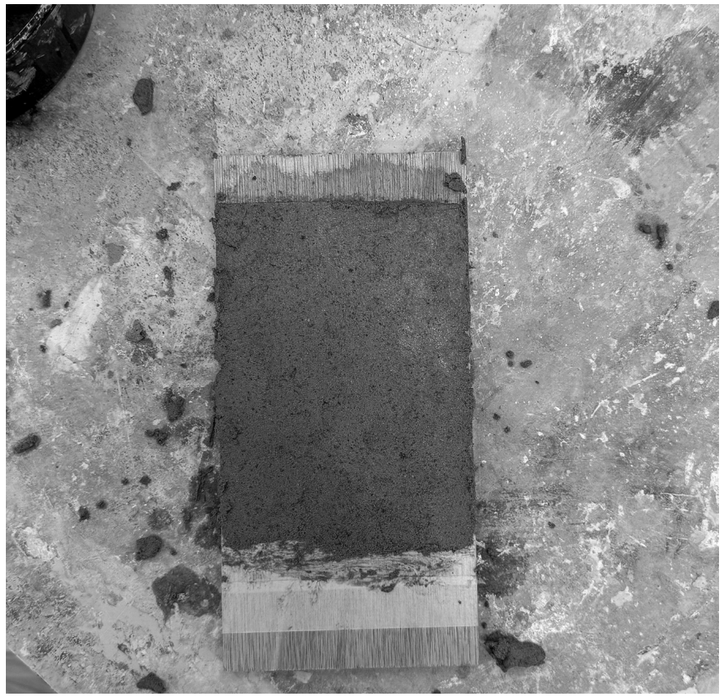


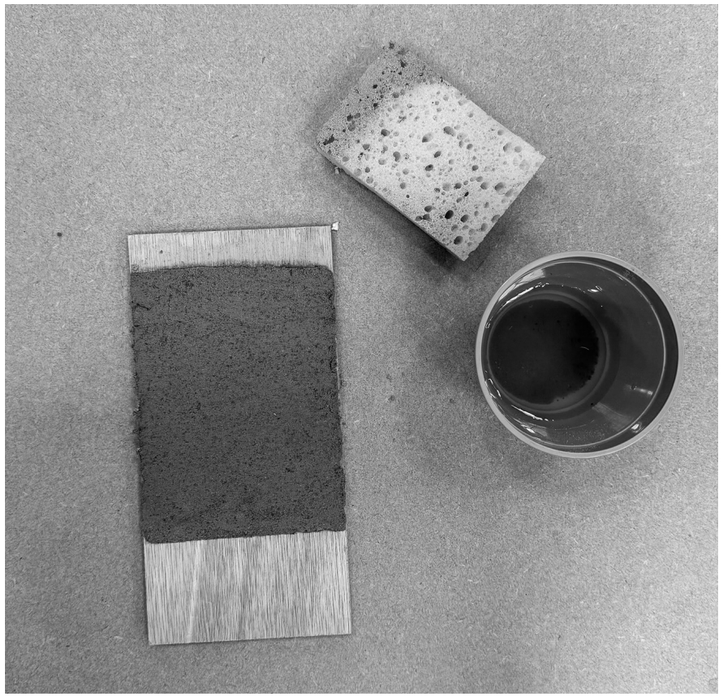



clay
sand
tea
water

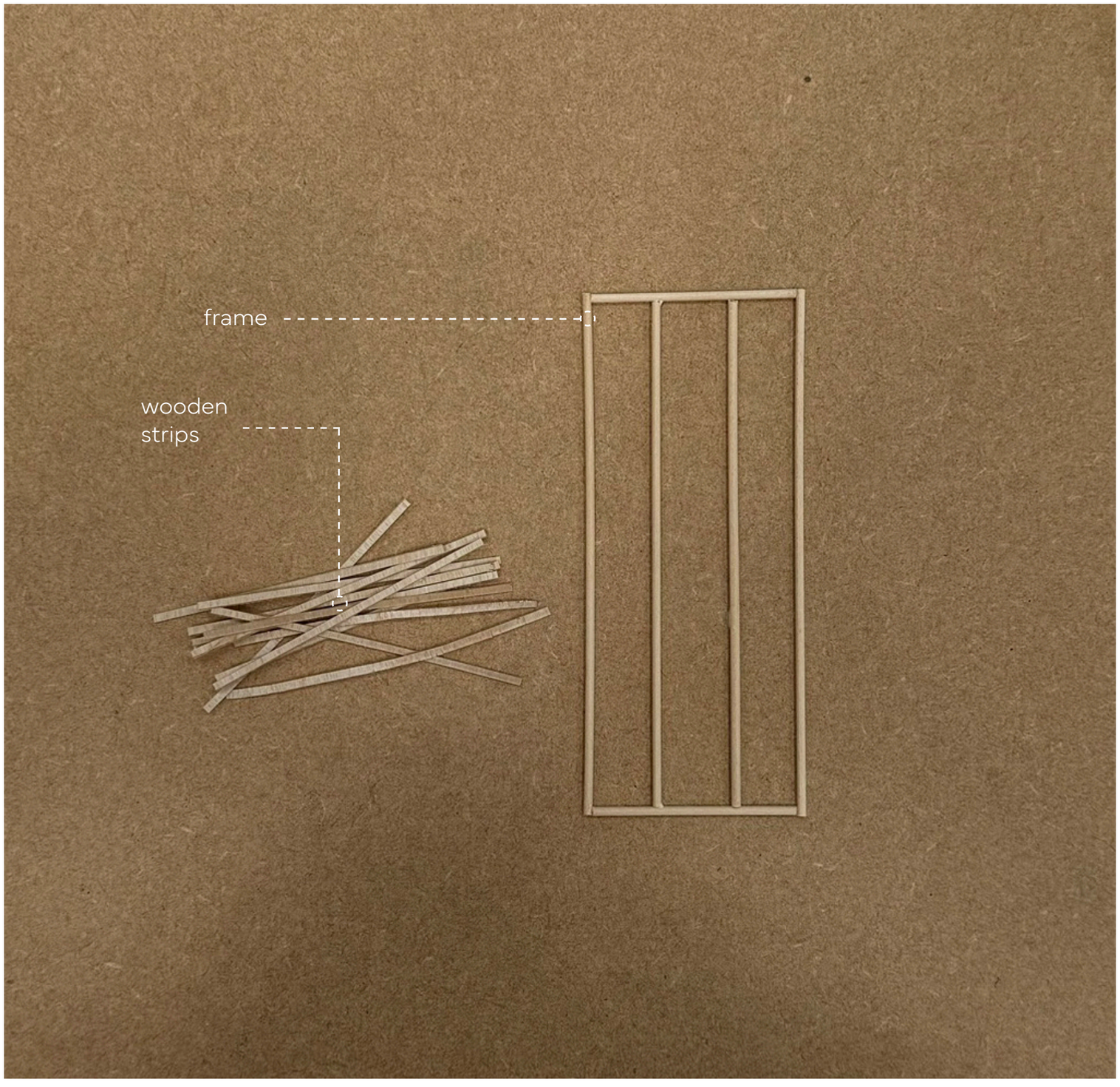


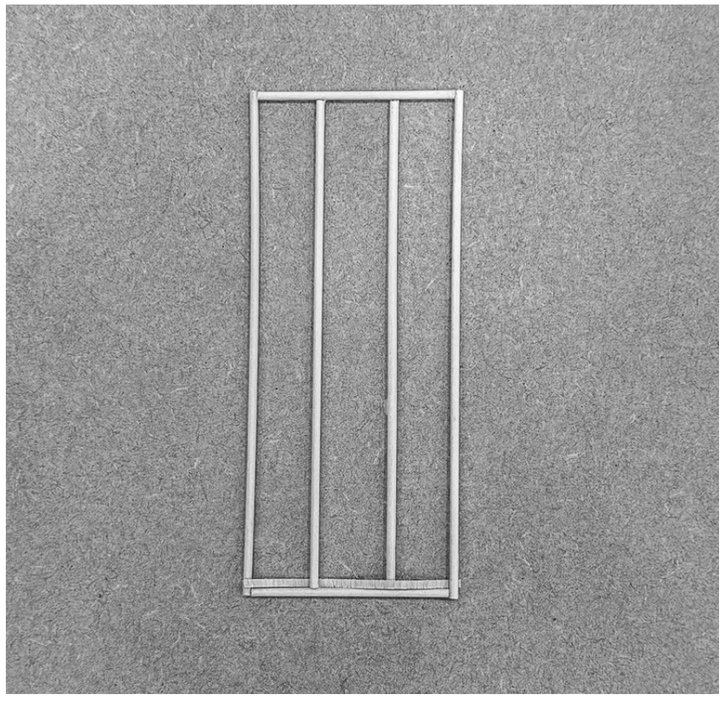


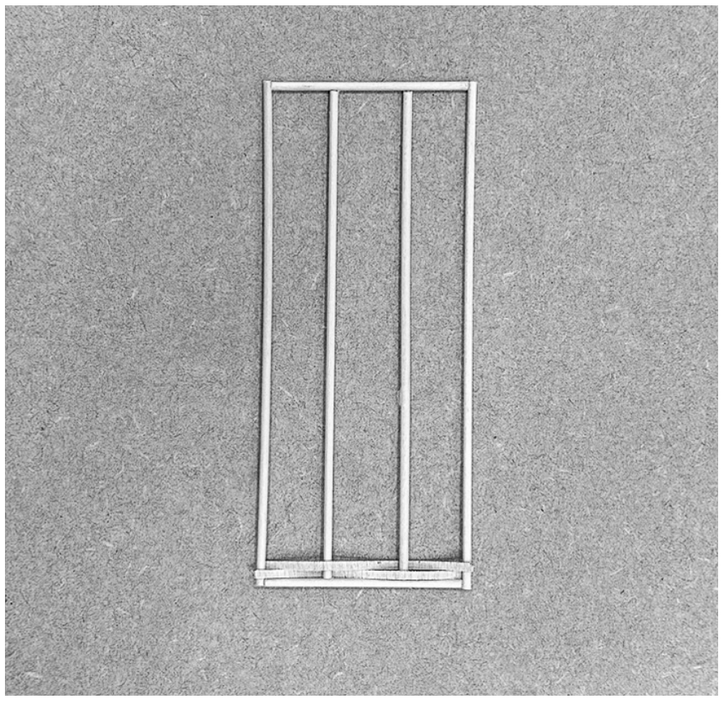


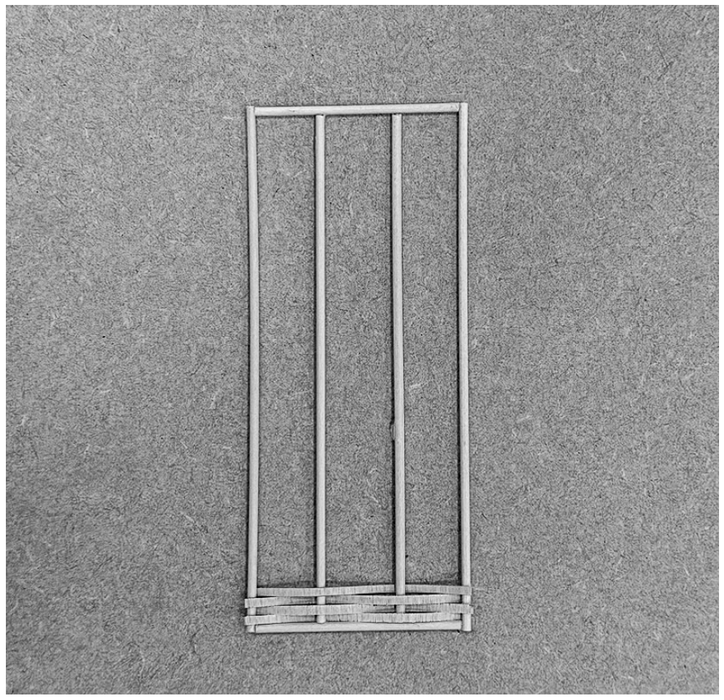


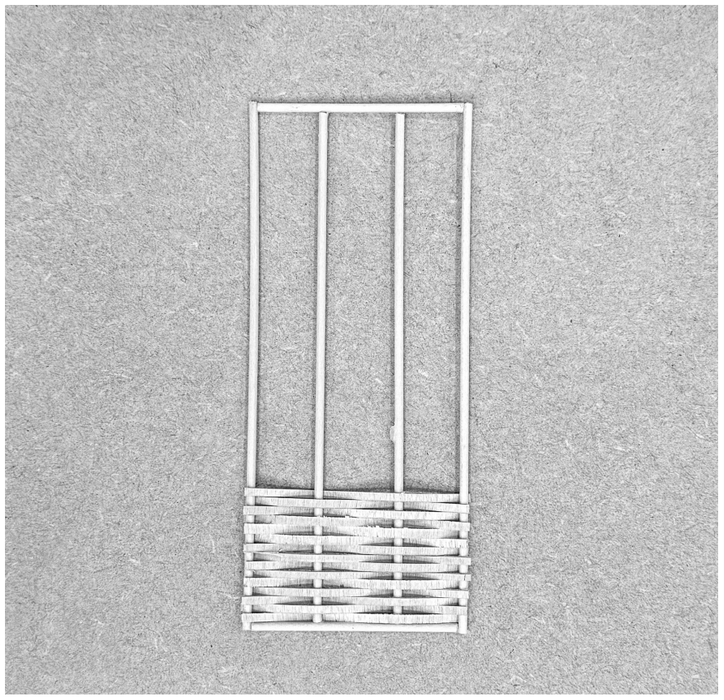



frame
wooden
strips





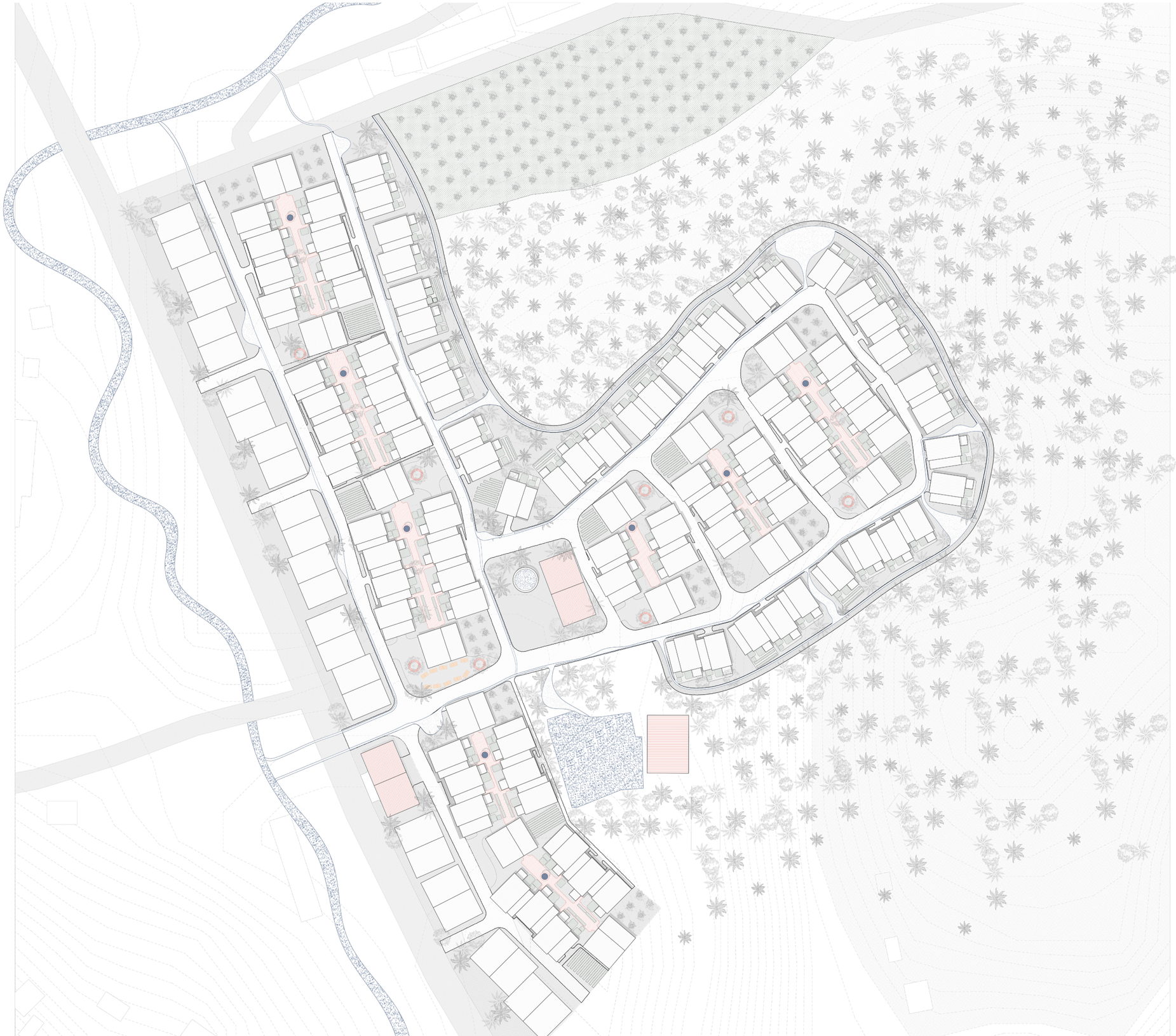


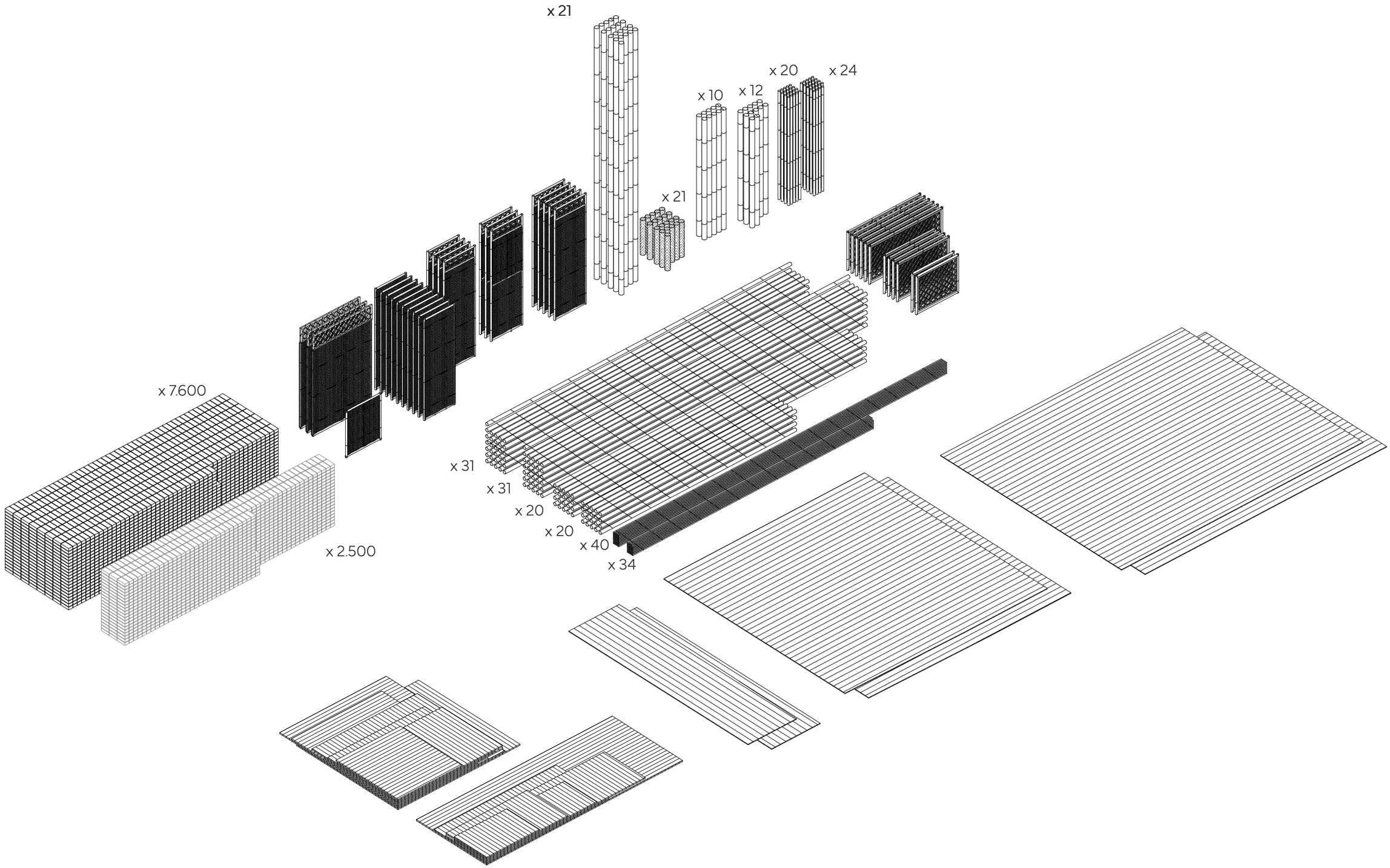



thank you!

appendix

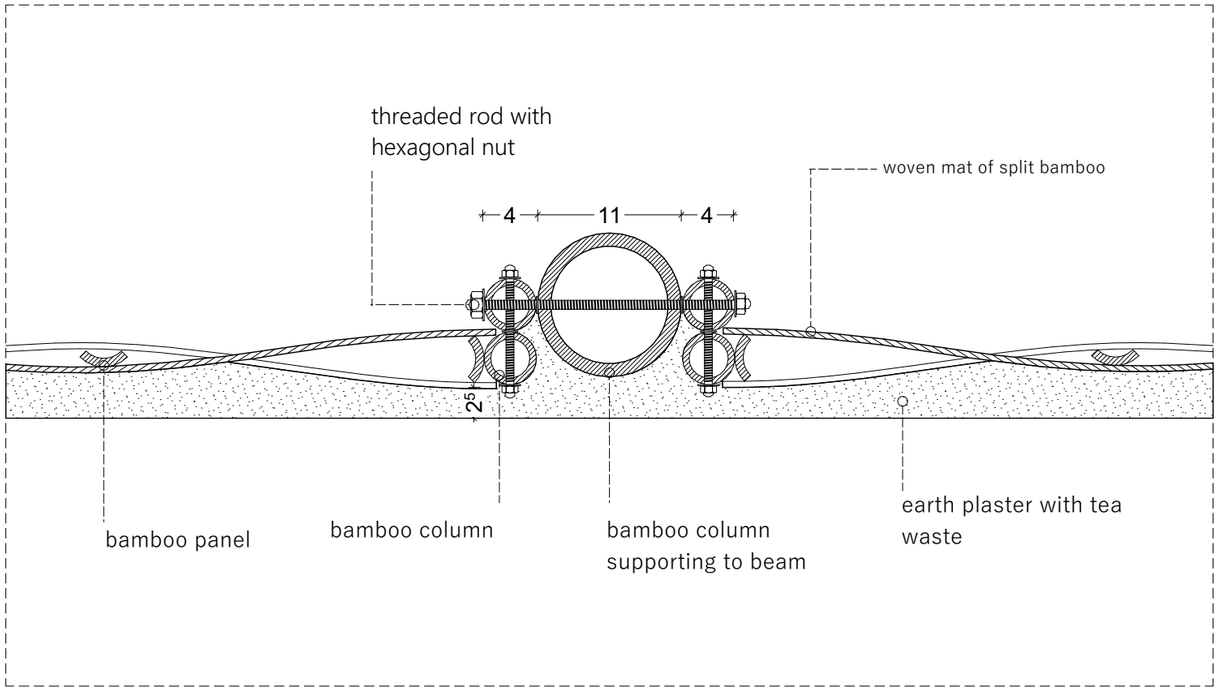
financial

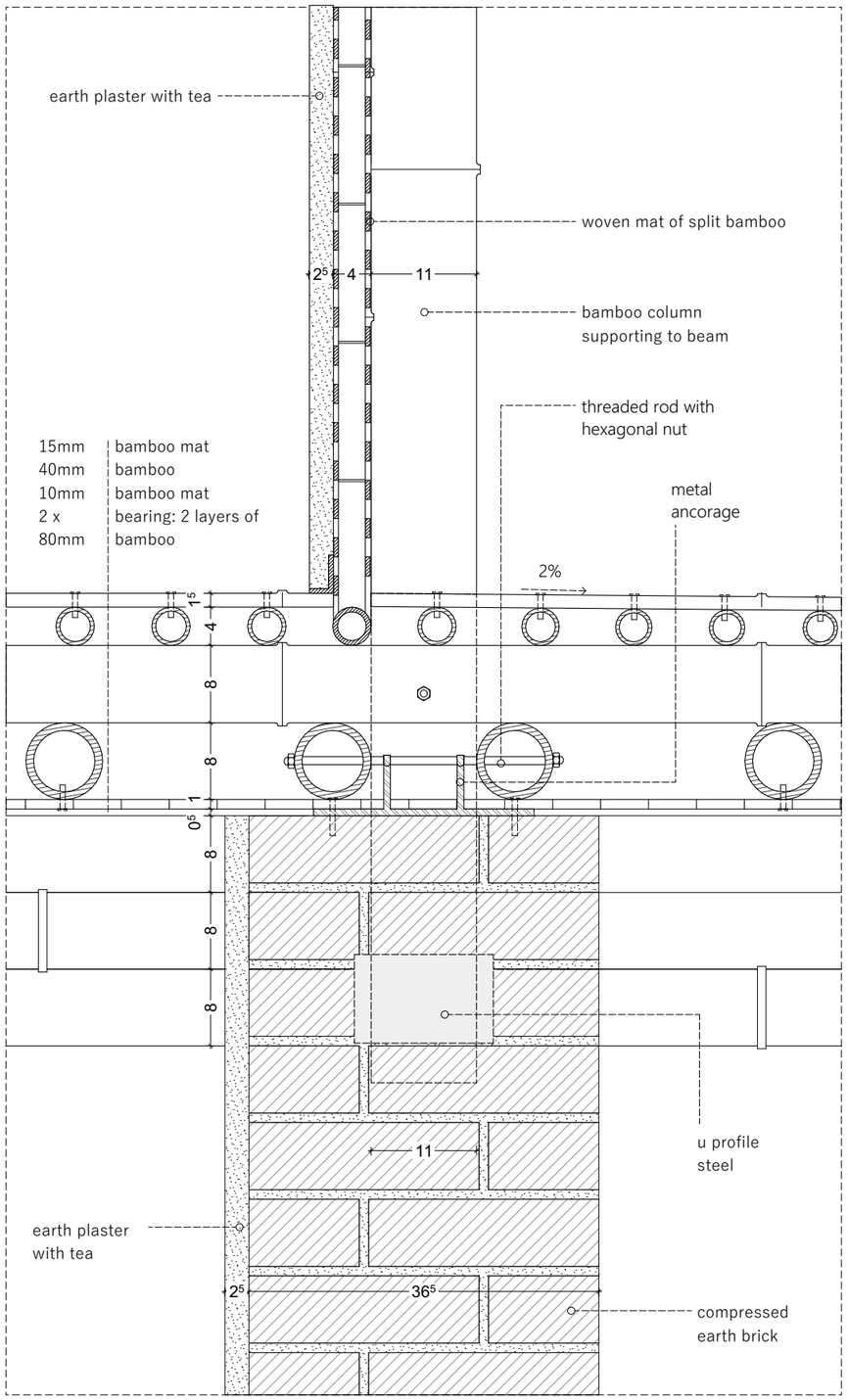


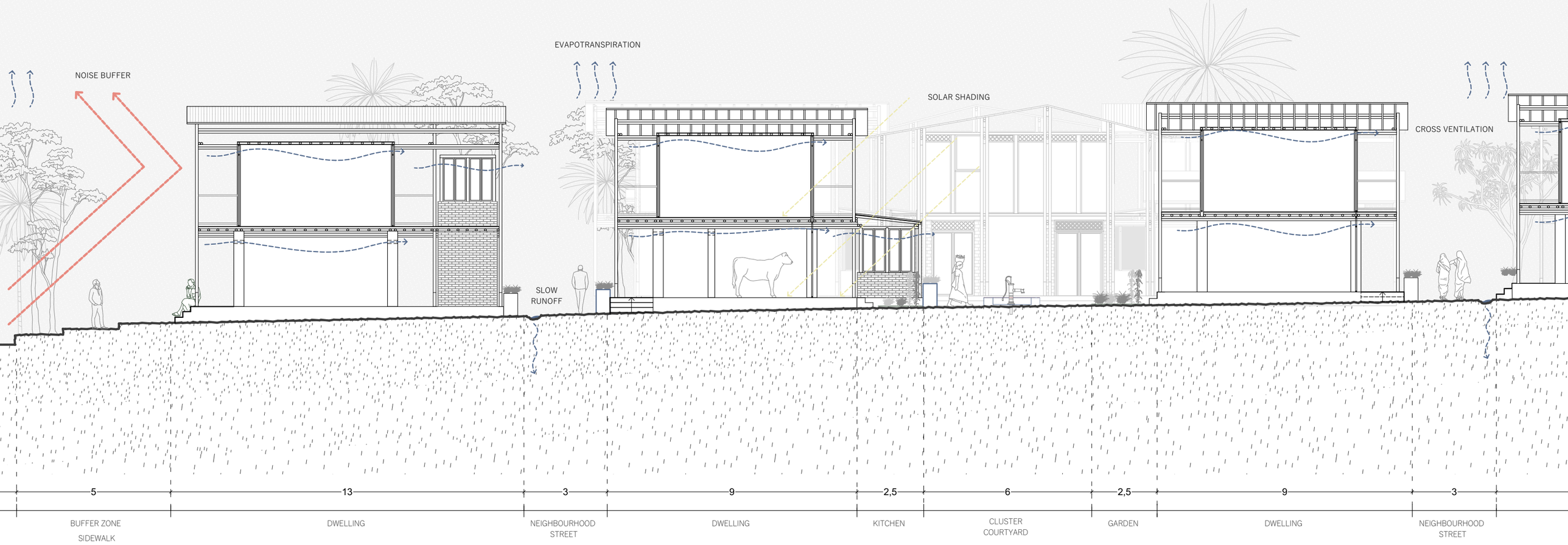

x 21
x 21
x 10
x 12
x 20
x 24
x 7.600
x 2.500
x 31
x 31
x 20
x 20
x 40
x 34

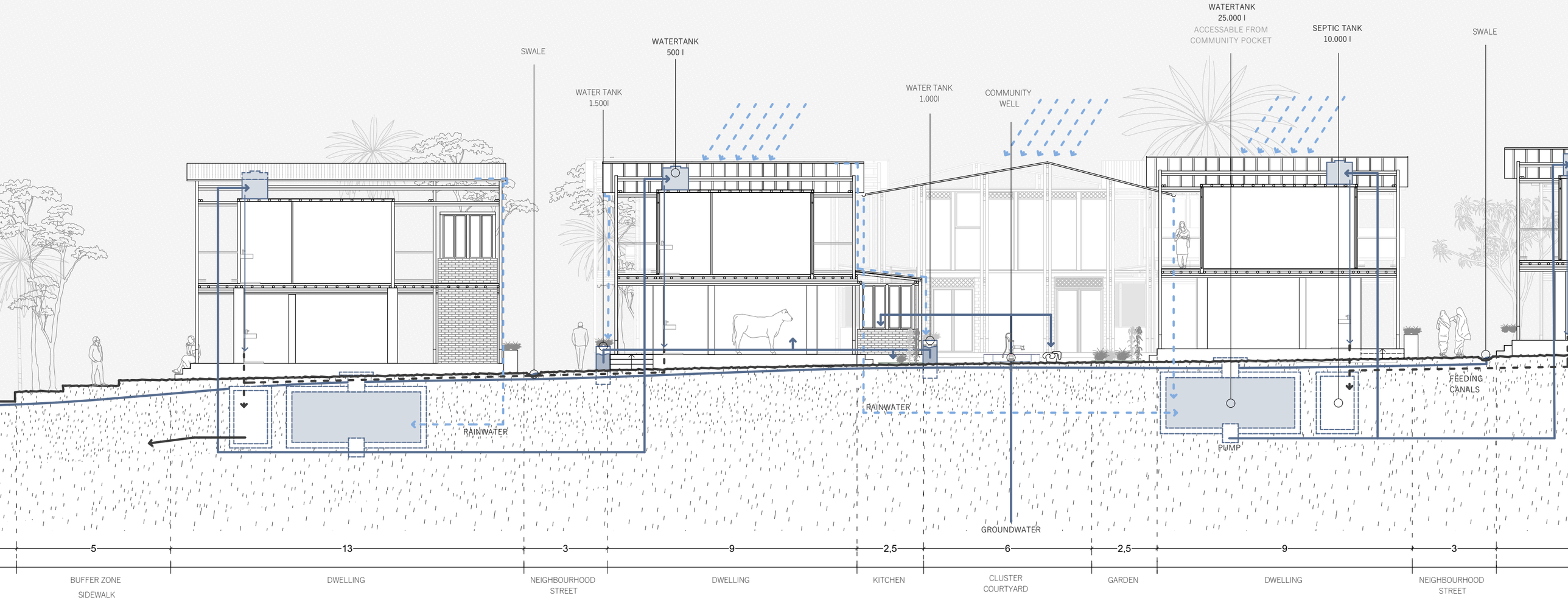
ecological

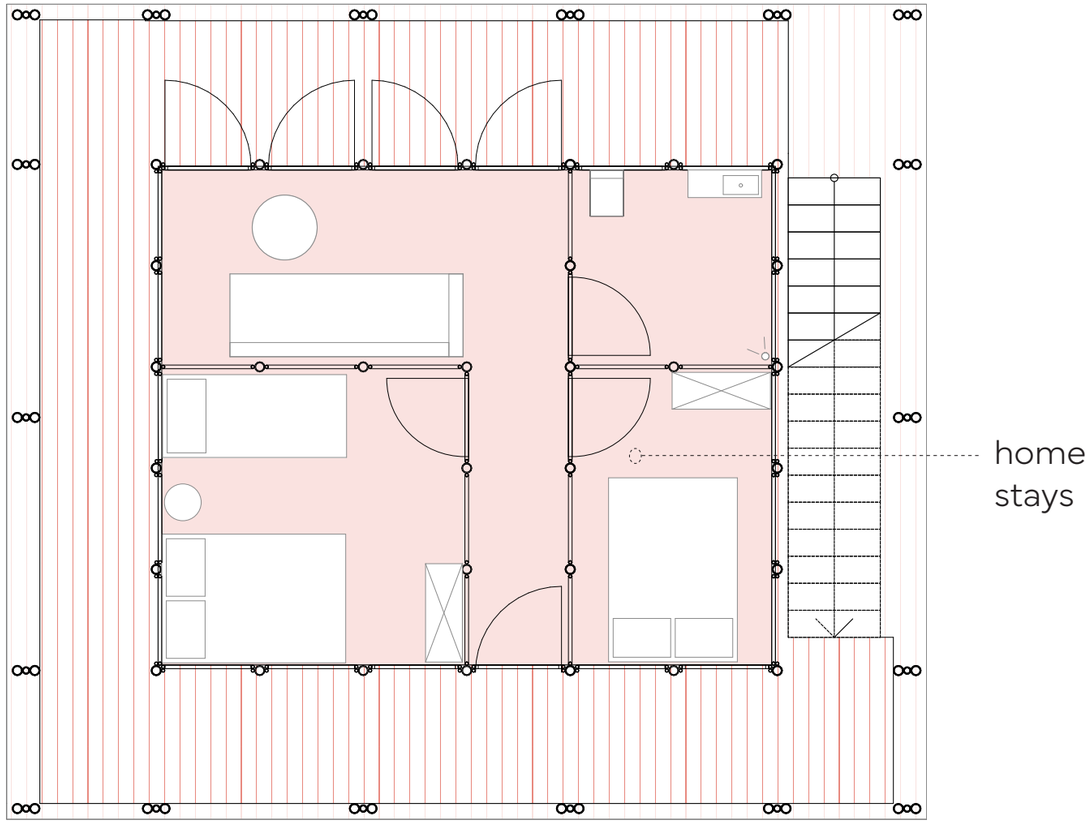
social

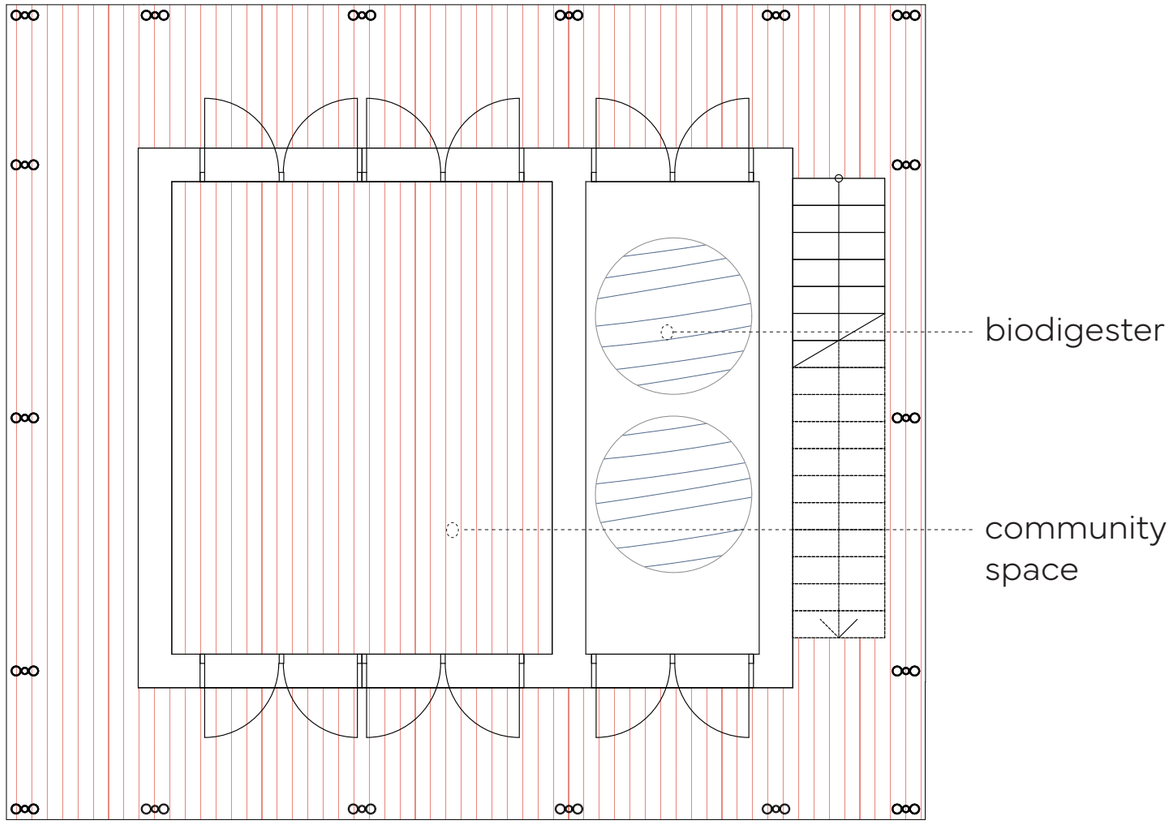



earth plaster with tea
woven mat of split bamboo
2.5
4
11
bamboo column supporting to beam
threaded rod with hexagonal nut
15mm bamboo mat
40mm bamboo
10mm bamboo mat
2 x 80mm bearing: 2 layers of bamboo
metal ancorage
2%
1.5
4
8
8
0.5
1
8
8
8
11
u profile steel
earth plaster with tea
2.5
36.5
compressed earth brick


NOISE BUFFER
EVAPOTRANSPIRATION
SOLAR SHADING
CROSS VENTILATION
SLOW
RUNOFF
5
13
3
9
2,5
6
2,5
9
3
BUFFER ZONE
SIDEWALK
DWELLING
NEIGHBOURHOOD
STREET
DWELLING
KITCHEN
CLUSTER
COURTYARD
GARDEN
DWELLING
NEIGHBOURHOOD
STREET


SWALE
WATERTANK
500 l
WATER TANK
1.500l
WATER TANK
1.000l
COMMUNITY
WELL
WATERTANK
25.000 l
ACCESSABLE FROM
COMMUNITY POCKET
SEPTIC TANK
10.000 l
SWALE
RAINWATER
RAINWATER
PUMP
FEEDING
CANALS
GROUNDWATER
5
13
3
9
2,5
6
2,5
9
3
BUFFER ZONE
SIDEWALK
DWELLING
NEIGHBOURHOOD
STREET
DWELLING
KITCHEN
CLUSTER
COURTYARD
GARDEN
DWELLING
NEIGHBOURHOOD
STREET


home
stays


biodigester
community
space