# Inclusive interiorities

A focus on women; towards more inclusive designs

# 1.Background

Women & Mumbai

### 2.Research

Patterns Indian modulor Case study

# 3. Managerial concept

### 4. Design

Urban level Building level Unit level

# 1. Background

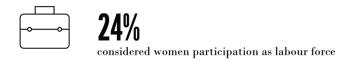
Women & Mumbai





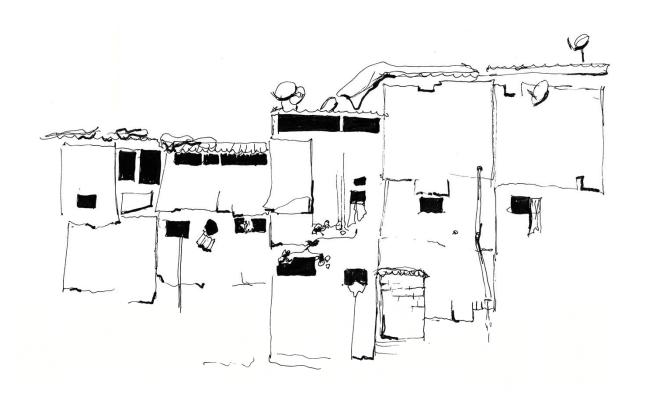
### Comparison of sex ratio – 2010s

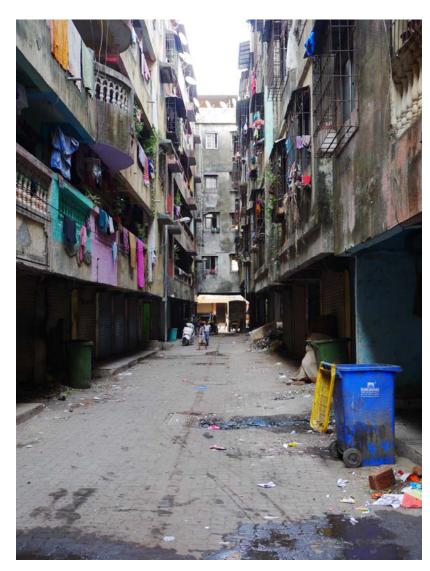












'Lack of infrastructure restricts the access but also **actively prevents people from participating** in shaping the future of the city'

(Phadke et al. 2011)

'In Mumbai, a crowd is in average composed of 28% of women only'

(Ranade, 2007)



'Even though slum women want private spaces, they also wish to access public space for fun and when offered opportunities to do so, grab them with both hands'

'Various slum redevelopment schemes may offer even **fewer opportunities** for women to have fun'

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Problem(s) statement

The lack of access to proper **sanitary** facilities, **education** and **public space**, together with societal constructs, undermine the role and status of women in India, and Nalasopara in particular.

Currently, women are undermined, under-represented and are not socioeconomically independent. Their **living environment is unhealthy,** dangerous and not prone to sustainable development.

The current slum redevelopment schemes are **restricting women's**participation in public life.

Research question(s)

How can design **empower** women, give them more **freedom** and allow them to **participate** in the public realm?

What are the potentials of a **gender sensitive design**?



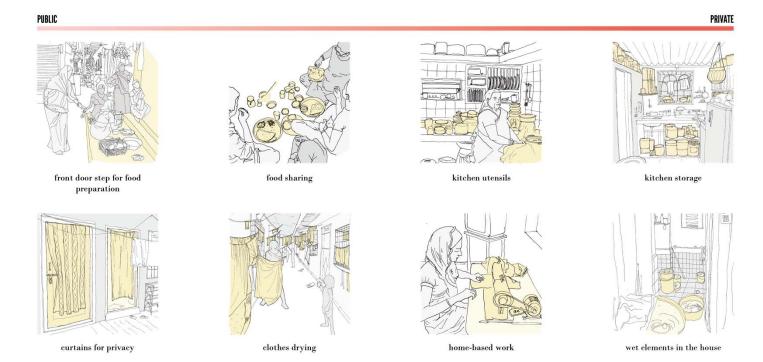


# ACCESS TO PUBLIC SPACE

safety comfort privacy

# 2. Research

Patterns



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HOME

COMMUNAL SPACE



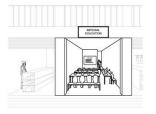
the informal corner



licensed location



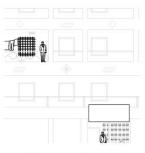
women work at home



education as an investment



production and consumption are never far from one another



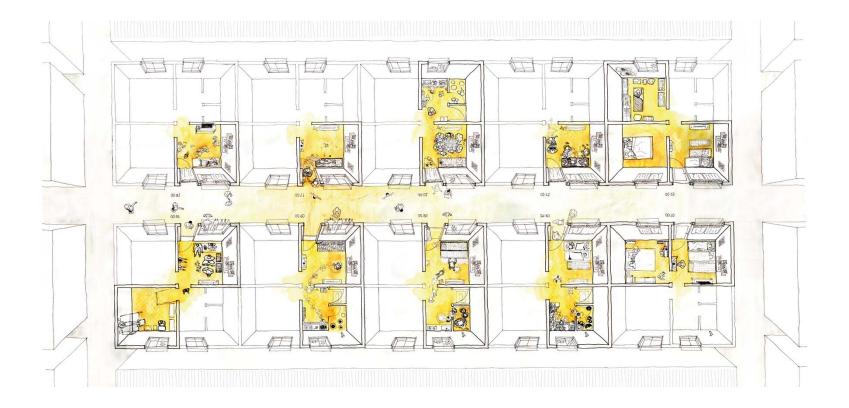
intimate working and living



commercial extensions



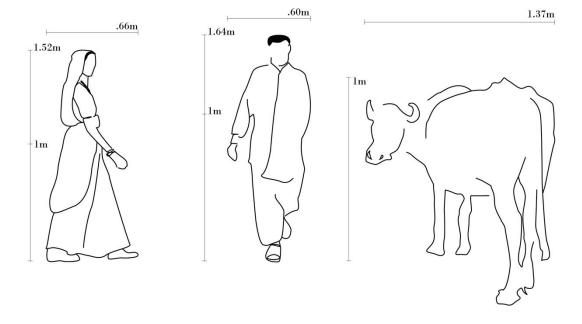
space is scarce - thus always used for income generation



# 2. Research

Indian modulor

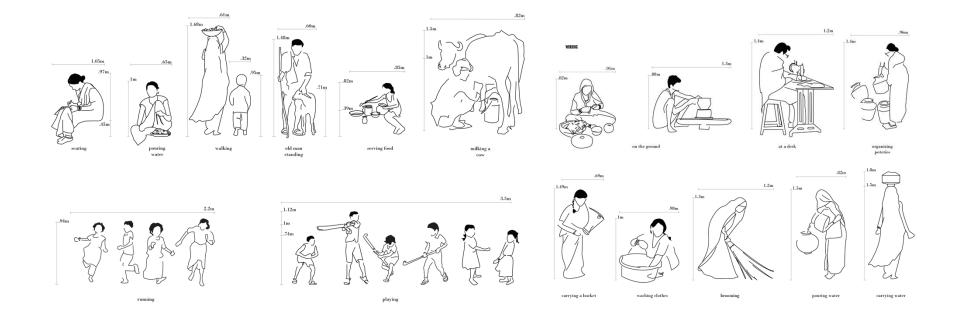
### Indian 'Modulor'



### HEIGHT

india	netherlands		
WOMEN	MEN	WOMEN	MEN
1.52m	1.64m	1.68m	1.81m

source: http://www.imperial.ac.uk/news/173634/dutch-latvian-women-tallest-world-according/



# 2. Research

Case studies



World UK Science Cities Global development Football Tech Business Environment Obituaries

### Resilient cities Cities

### Slum-free cities? How the women of Ahmedabad led a housing revolution

Cities is supported by About this content

Carlin Carr in Ahmedabad

Thu 14 Apr 2016 11.43 BST





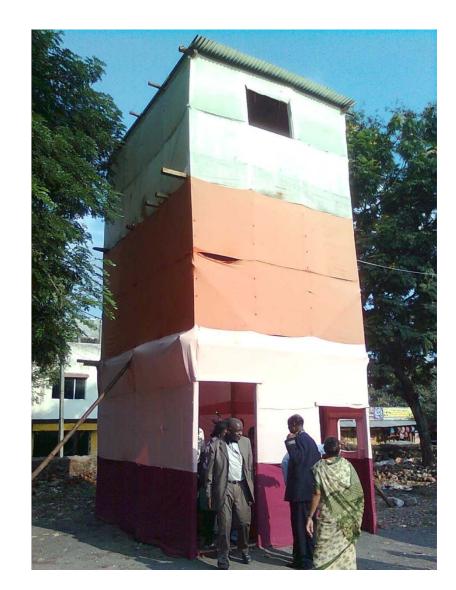




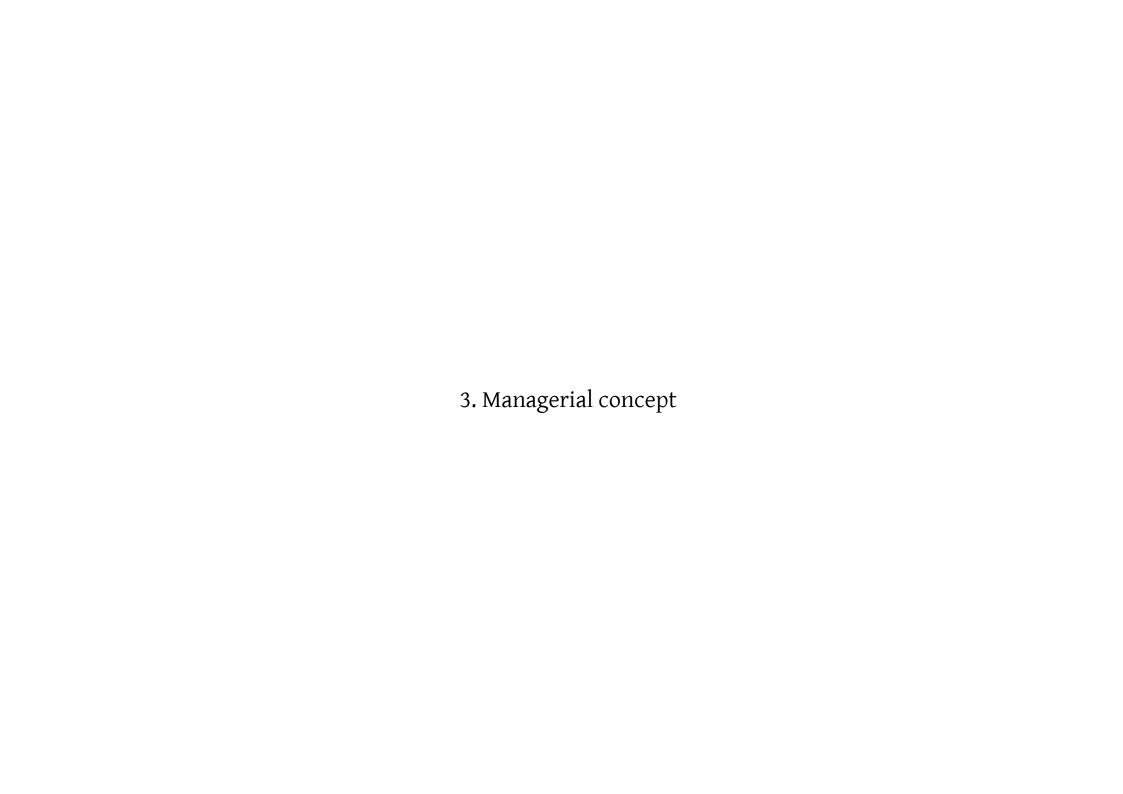
▲ Ahmedabad has the second largest slum population in the state of Gujarat. Photograph: Raquel Maria Carbonell

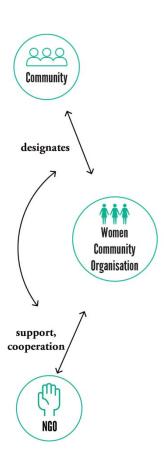
Mother Theresa Nagar, Pune SPARC, Mahila Milan

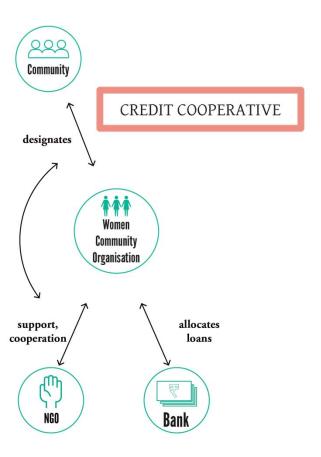
"One of the good things about Mother Teresa Nagar [...] is **freedom of girls to move around in the community, and participate** in celebration of major festivals."

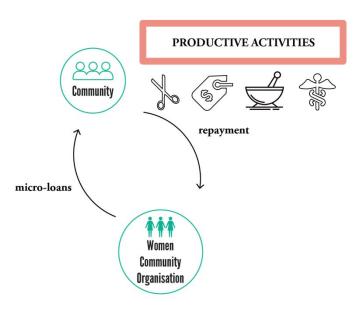


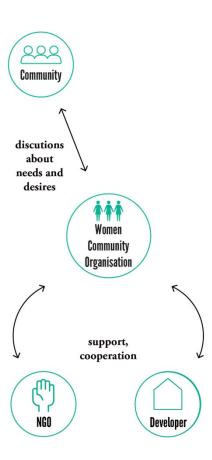
Insitu Slum Rehabilitation Project under BSUP (Basic Services for Urban Poor), JNNURM, Yerawada, Pune













# 4. Design

Urban level

### Concept



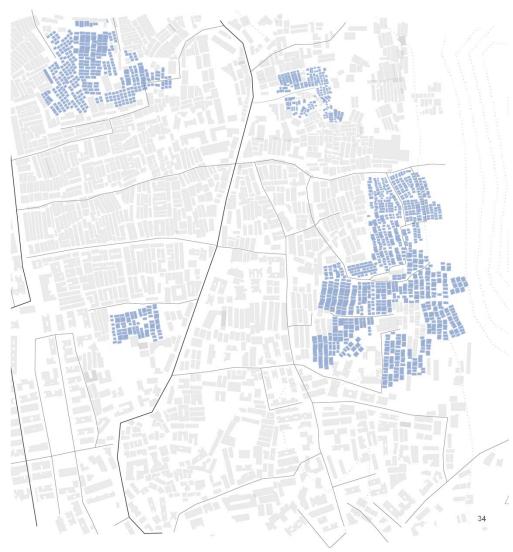
# Nalasopara



# Nalasopara

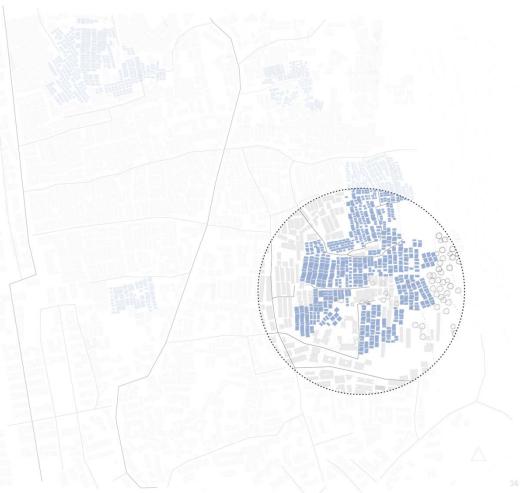
### Baithi Chawls





# Functions













# Urban axis



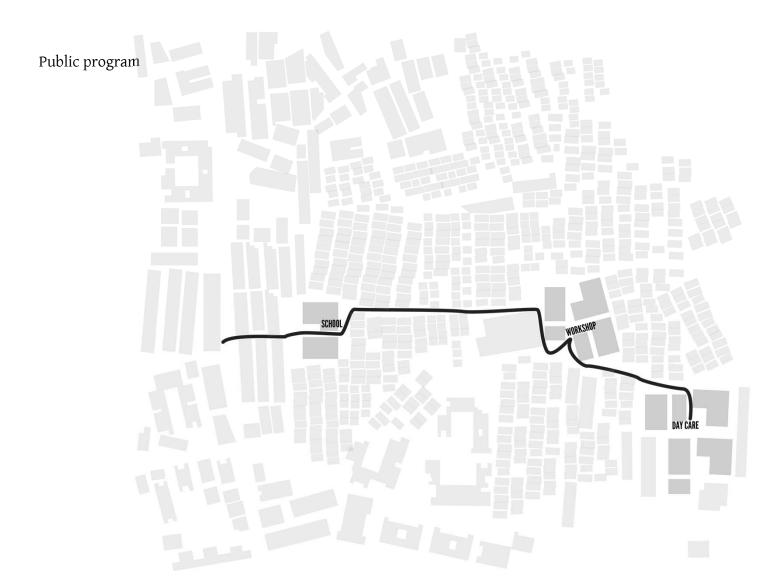
## Public





## Communal





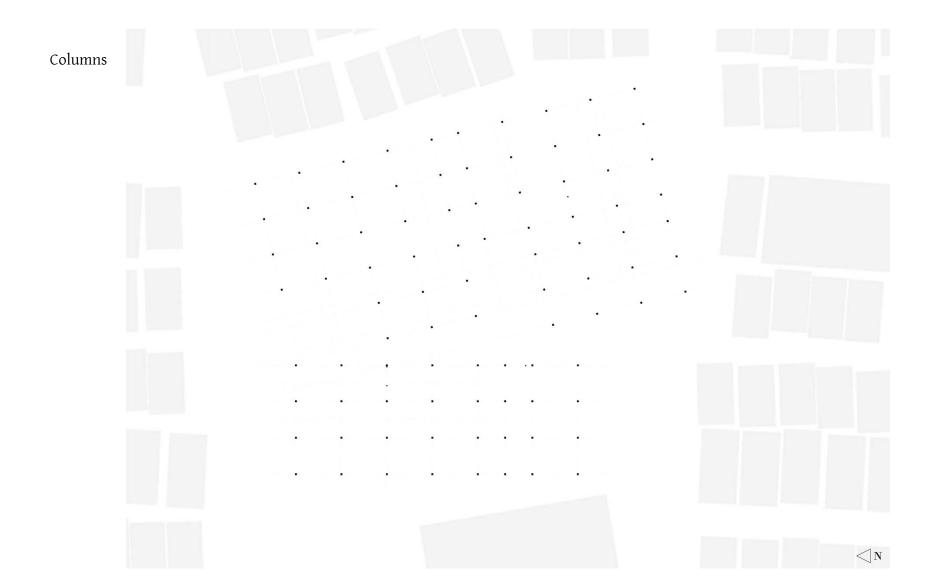


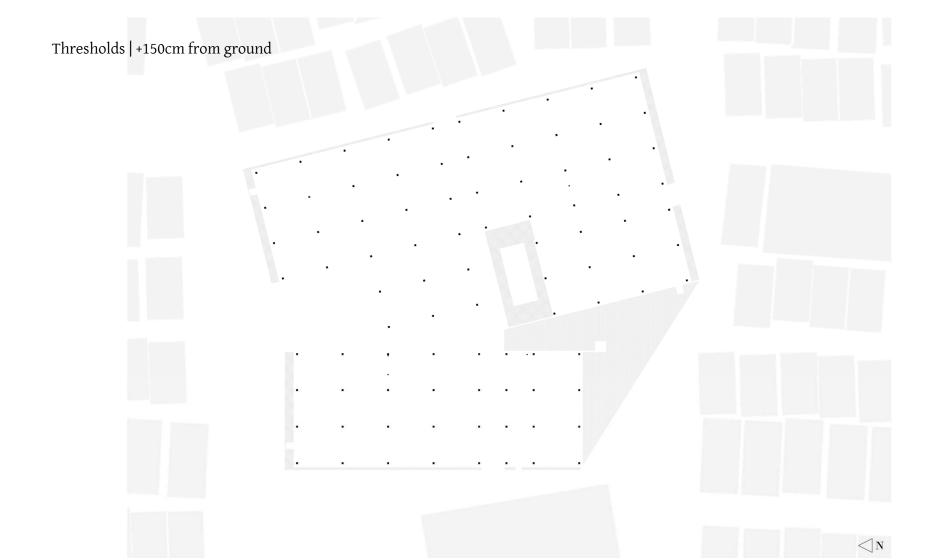


## 4. Design

Building level

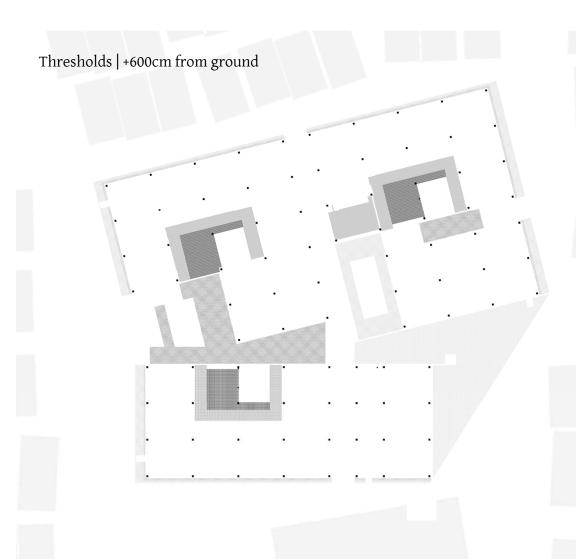




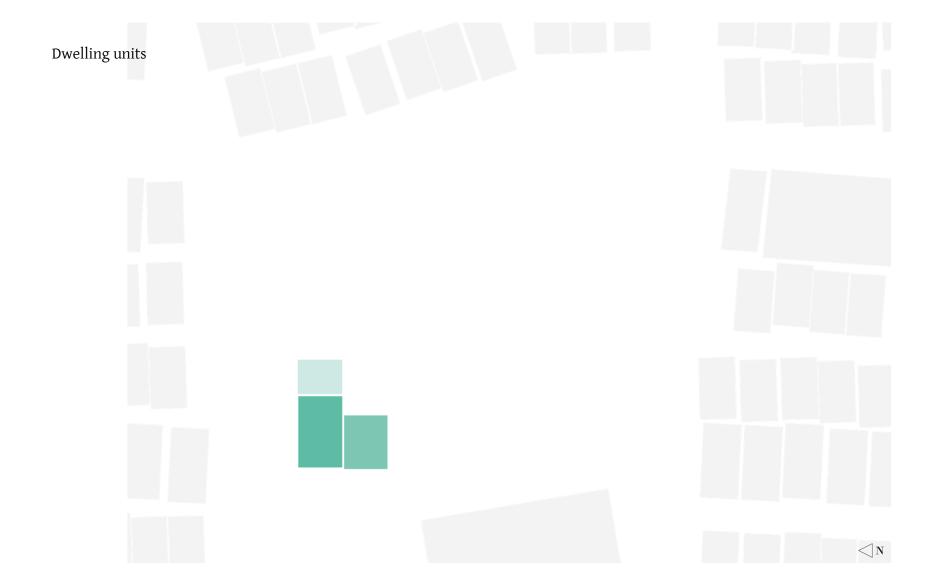


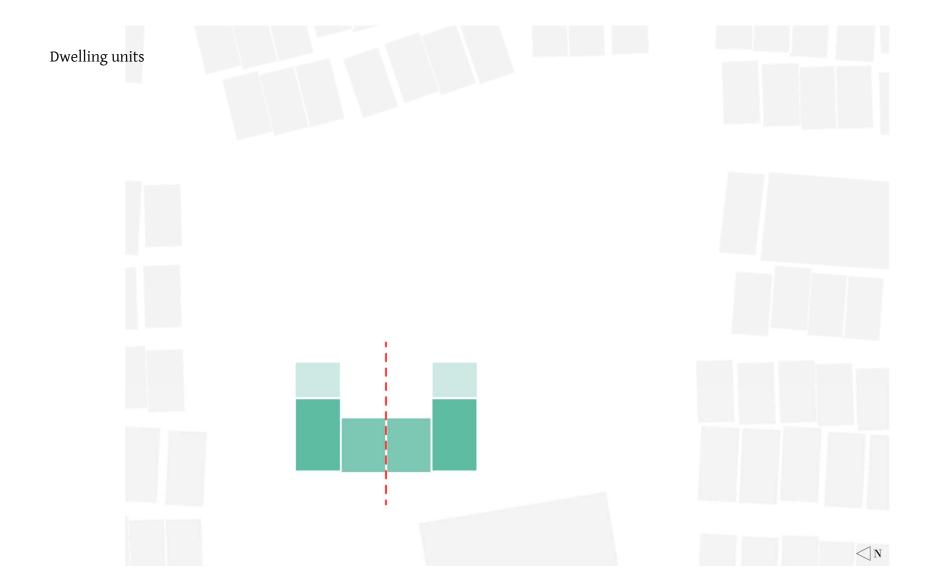


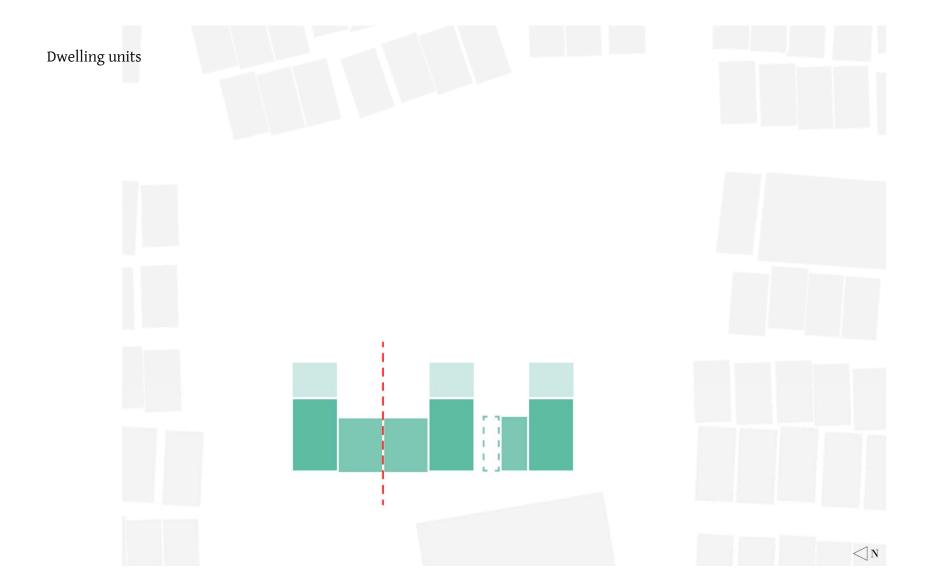


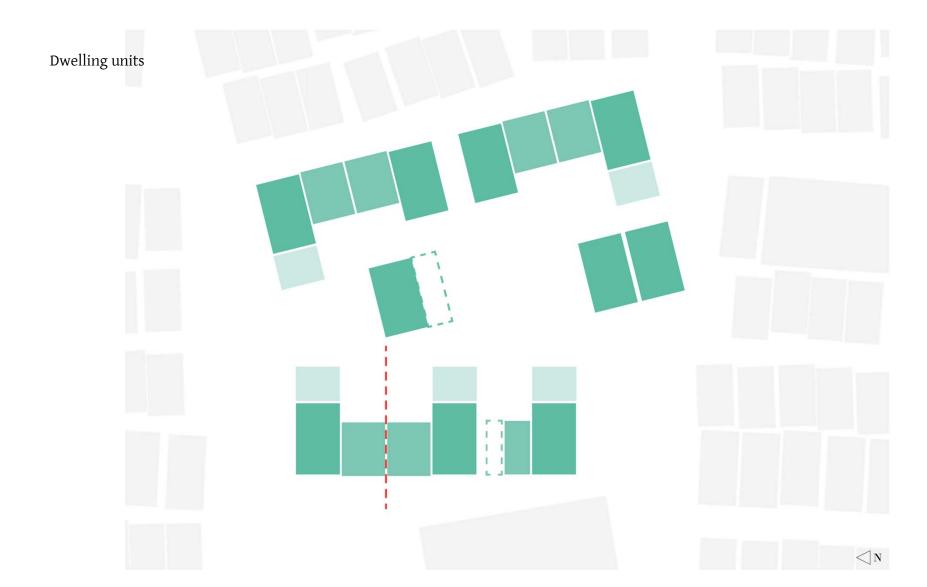










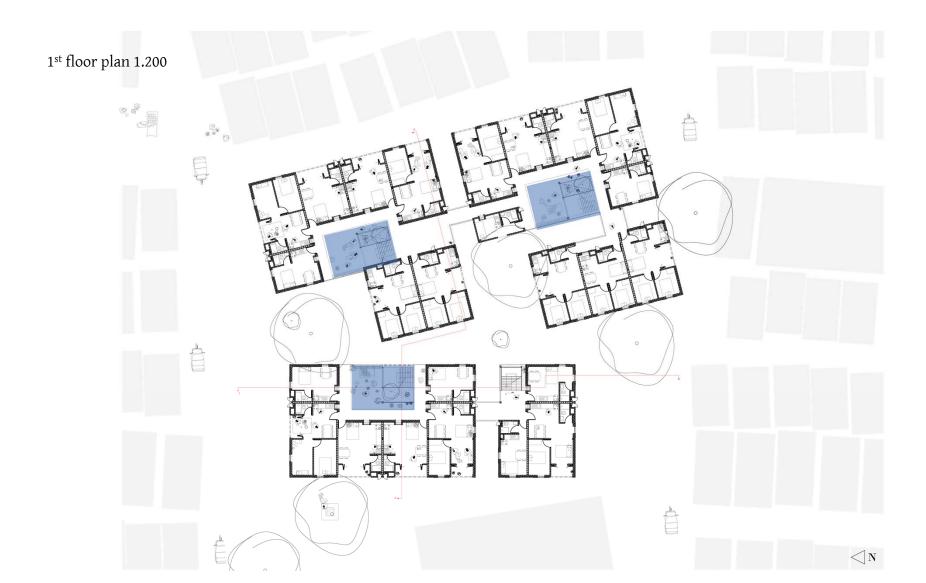






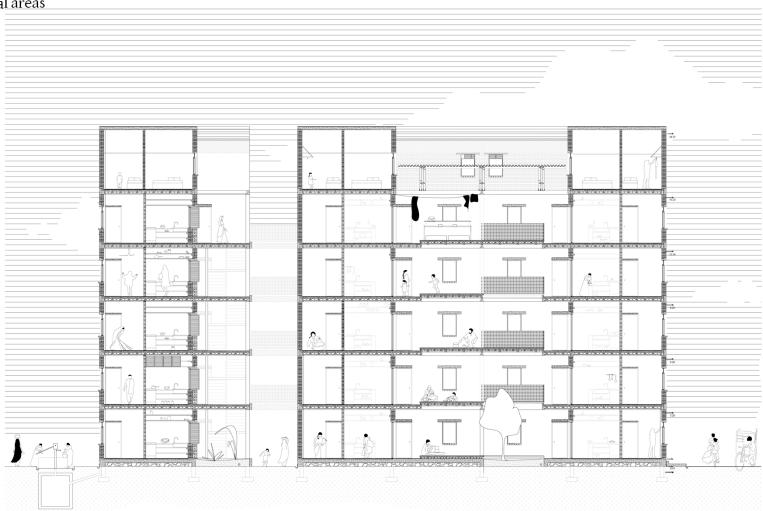




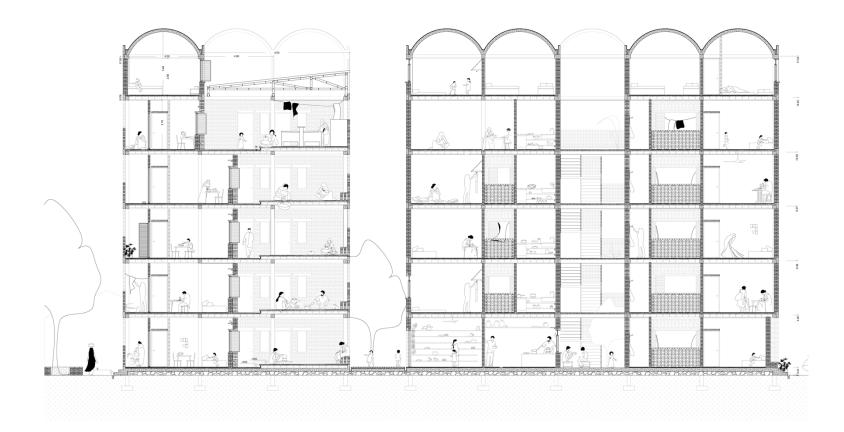




### Communal areas

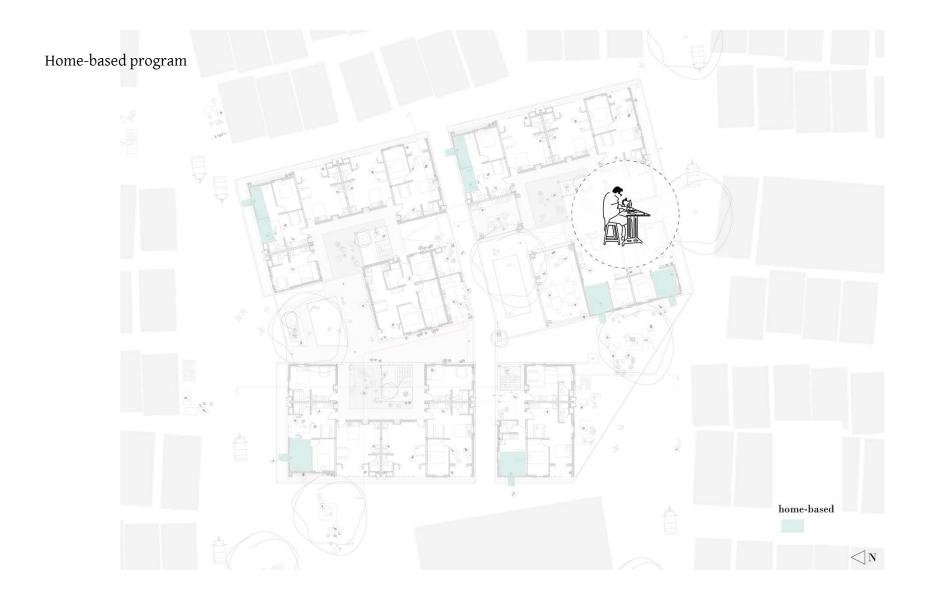


### Communal areas











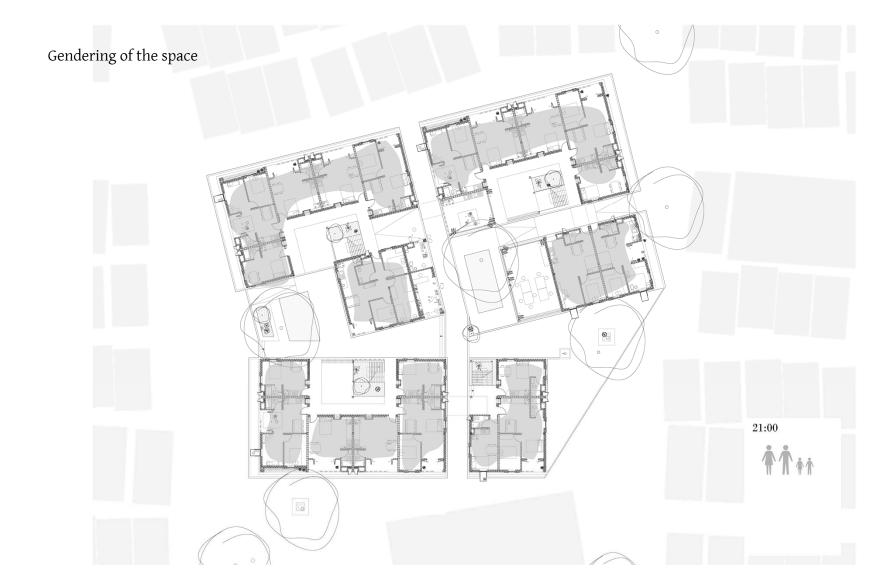












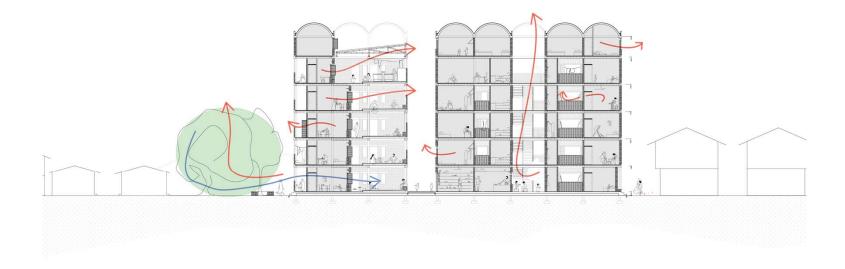
## Water management



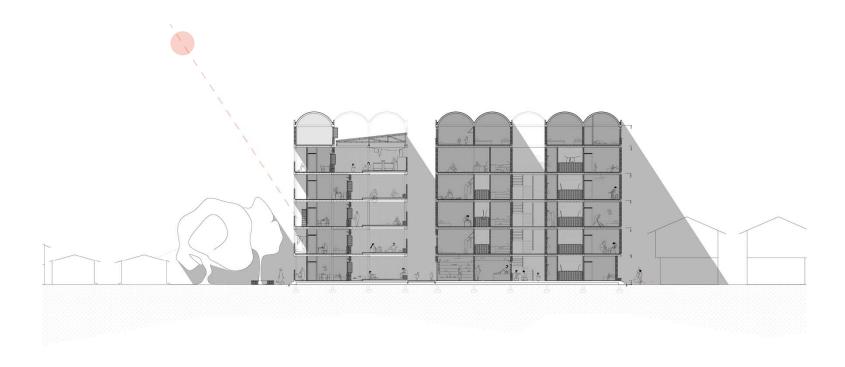
## Climate section

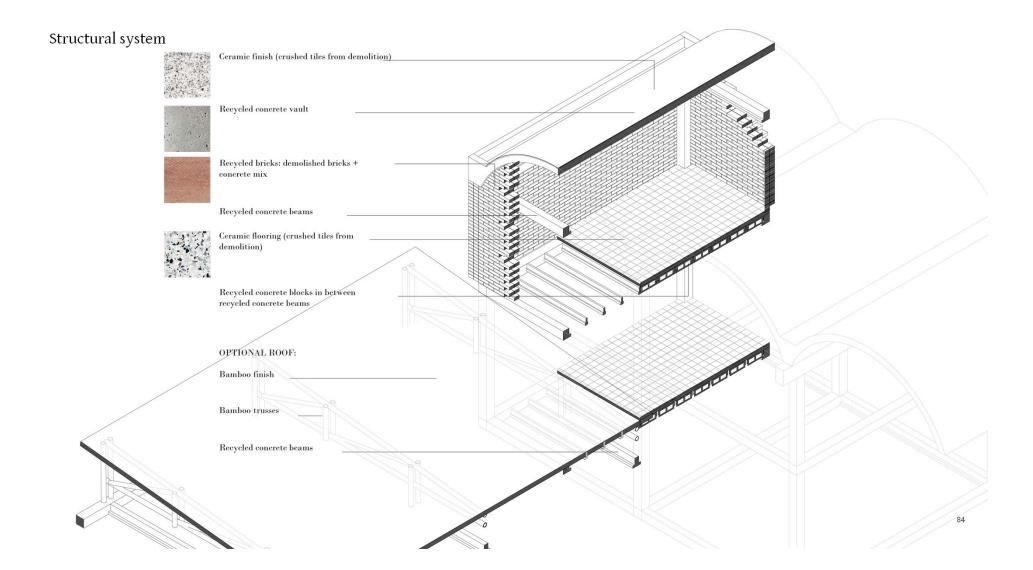


#### Climate section

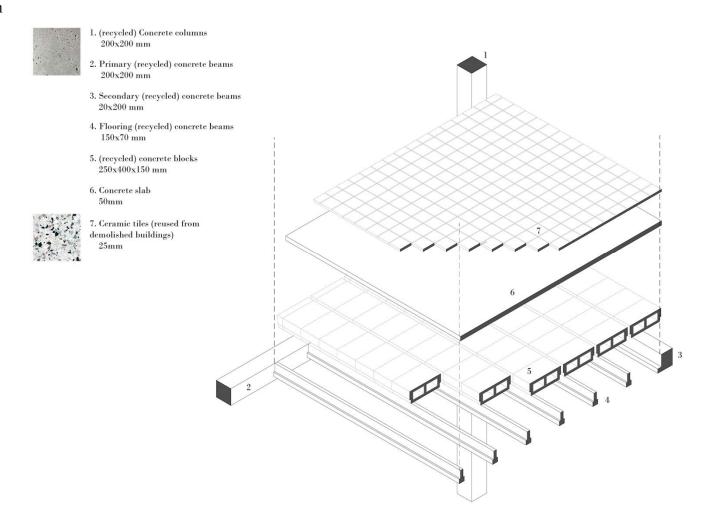


## Shade



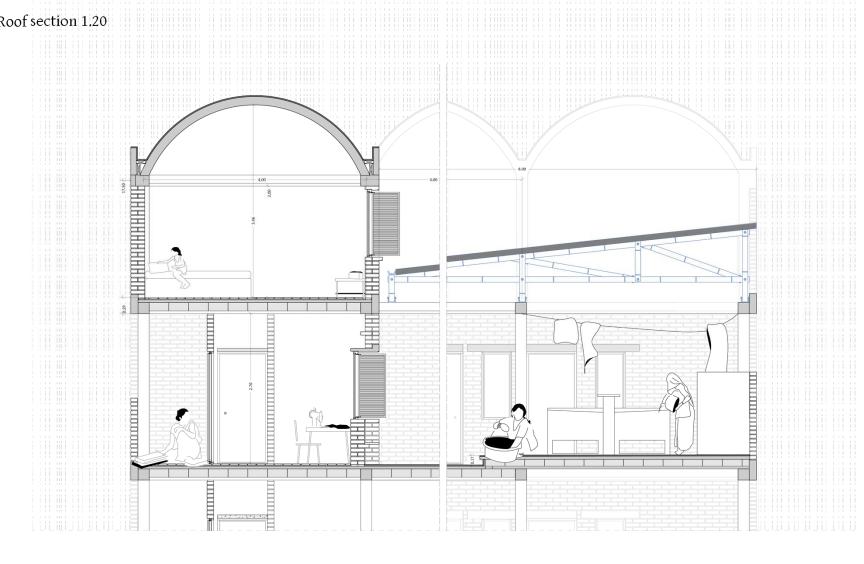


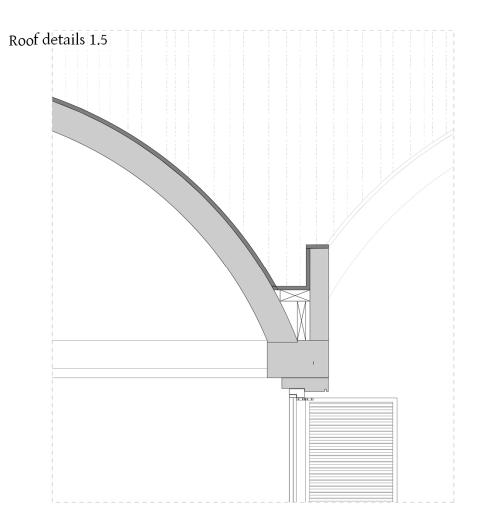
## Floor system

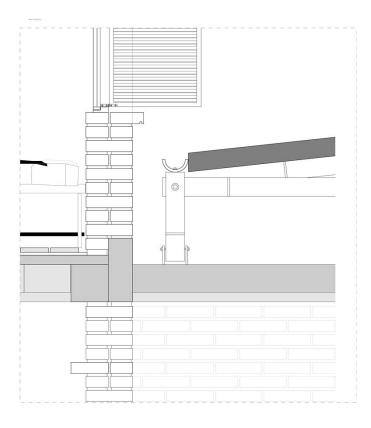


# ection 1.20 Roof section 1.20

# Roof section 1.20





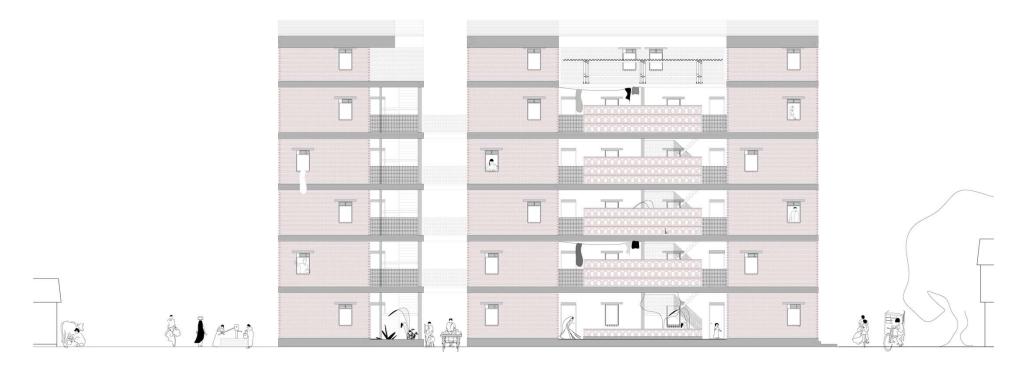


#### City facade



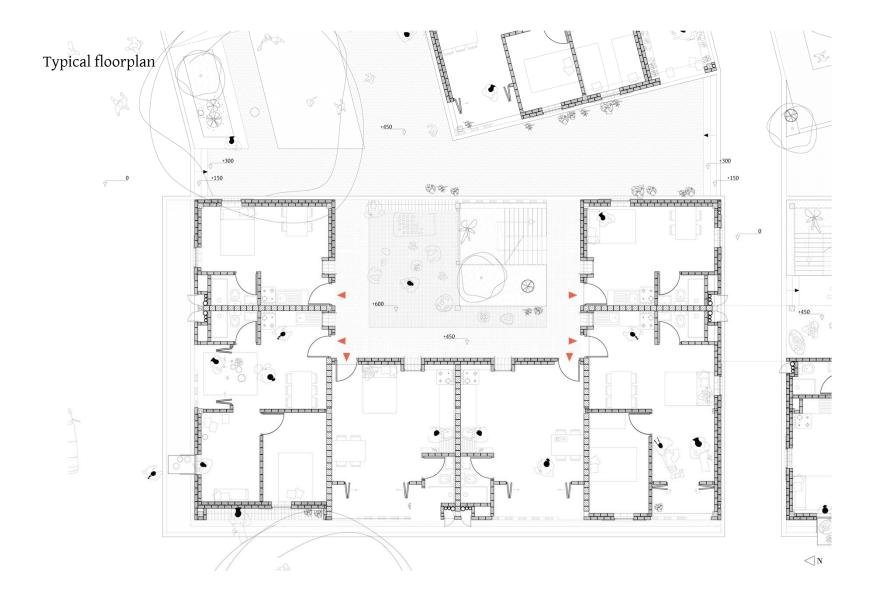


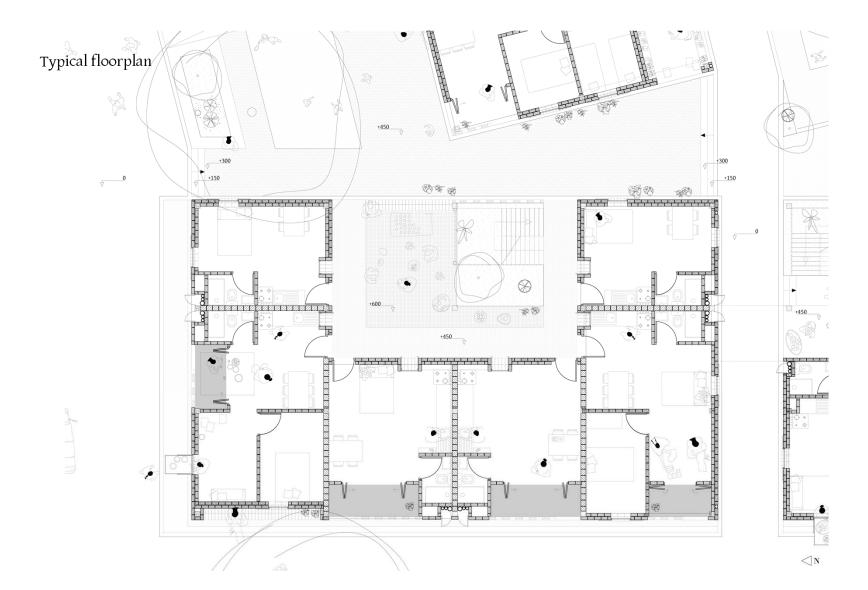
## Interior facade

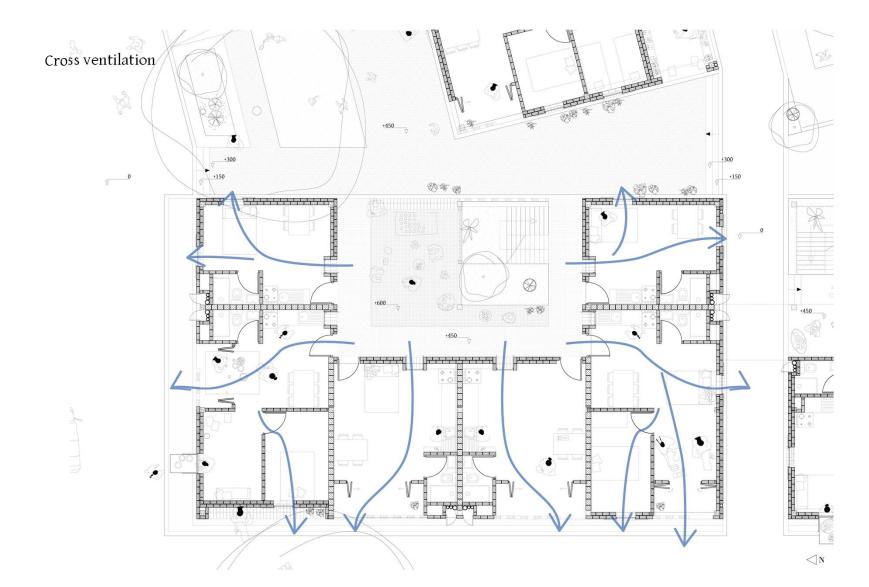


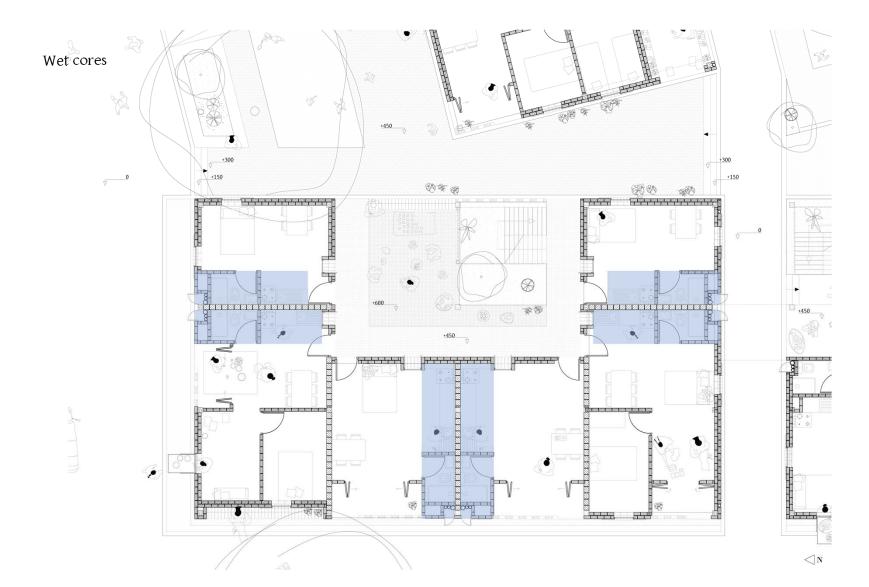
# 4. Design

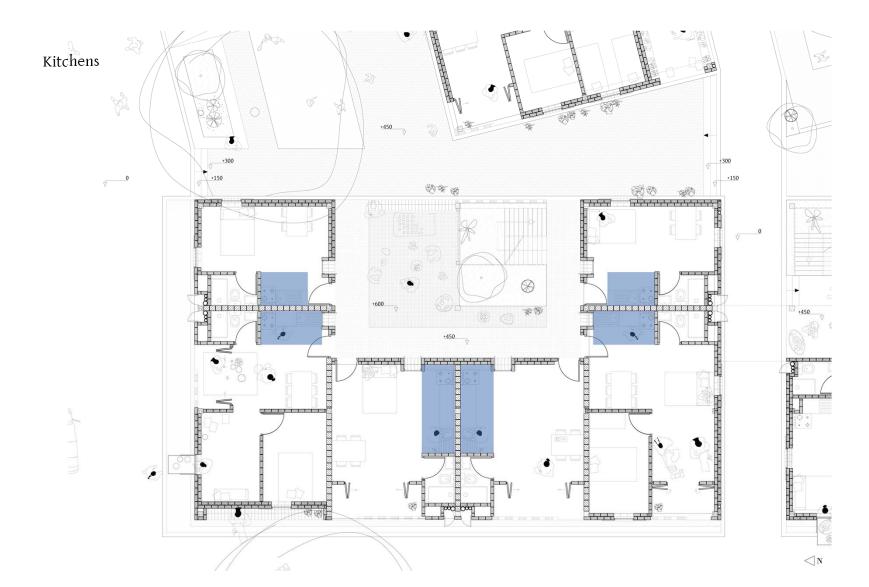
Unit level

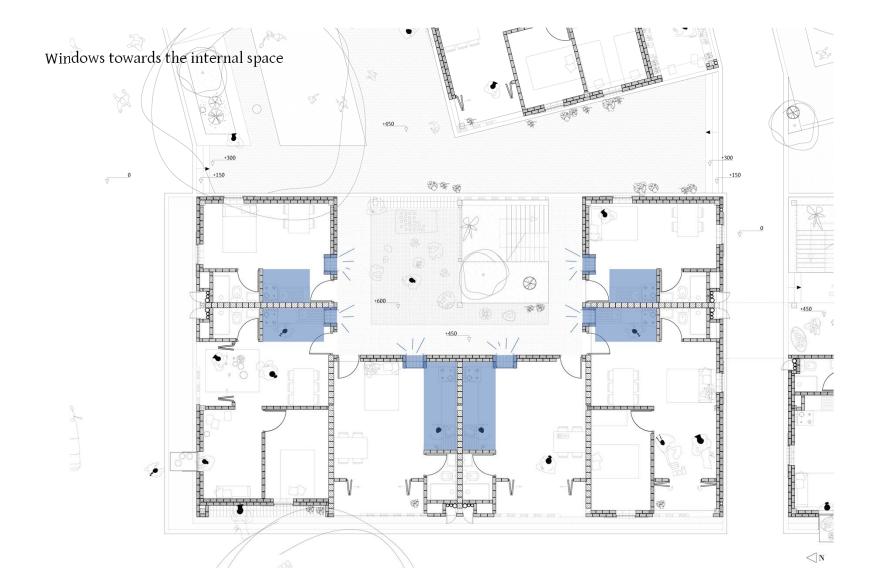




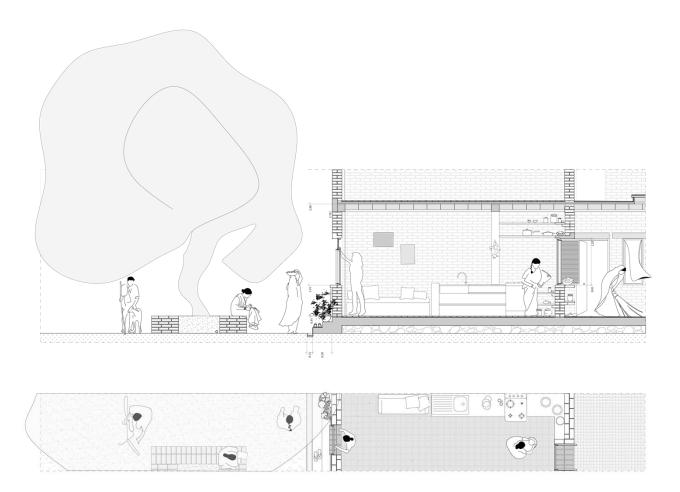




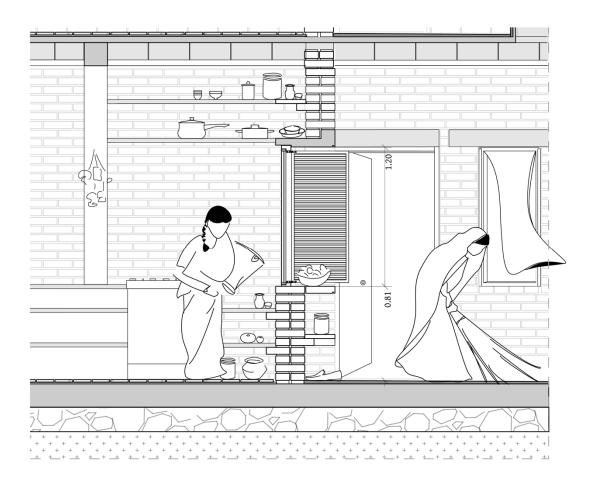


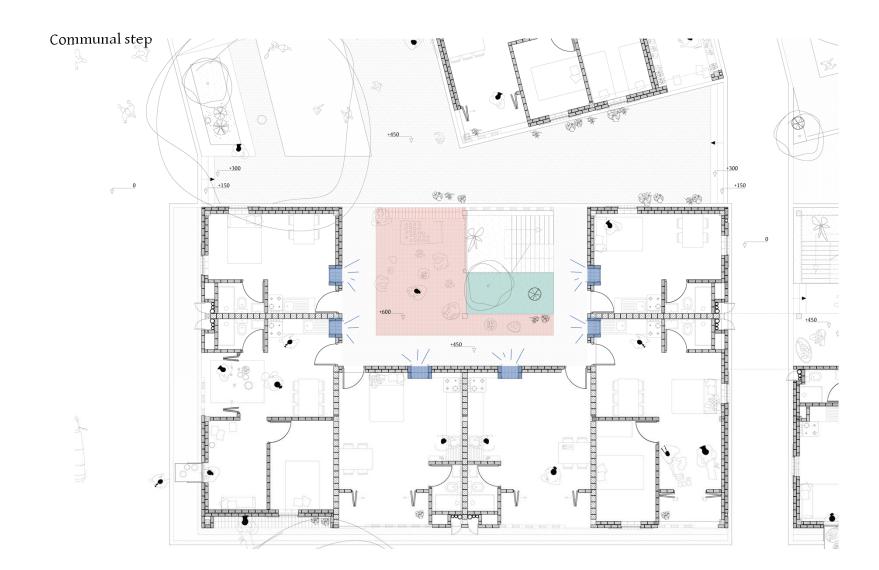


## Window details

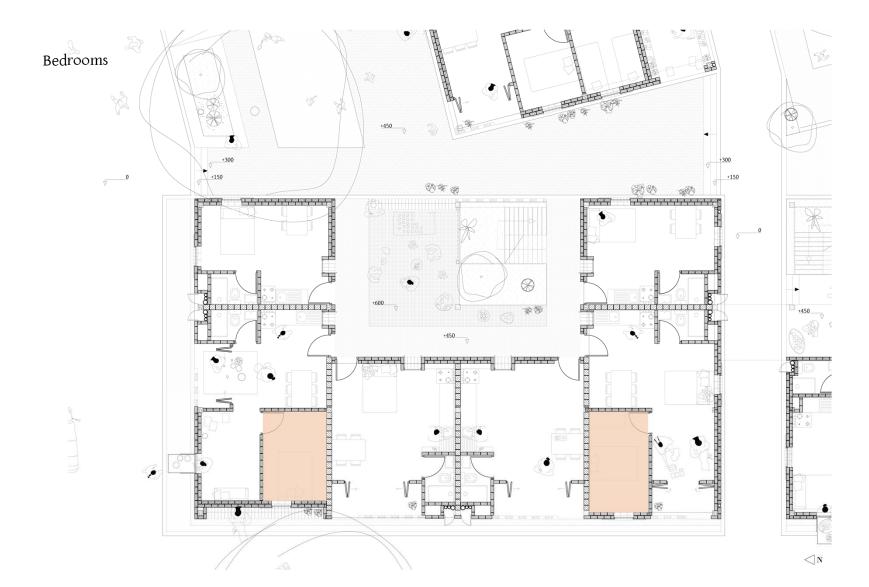


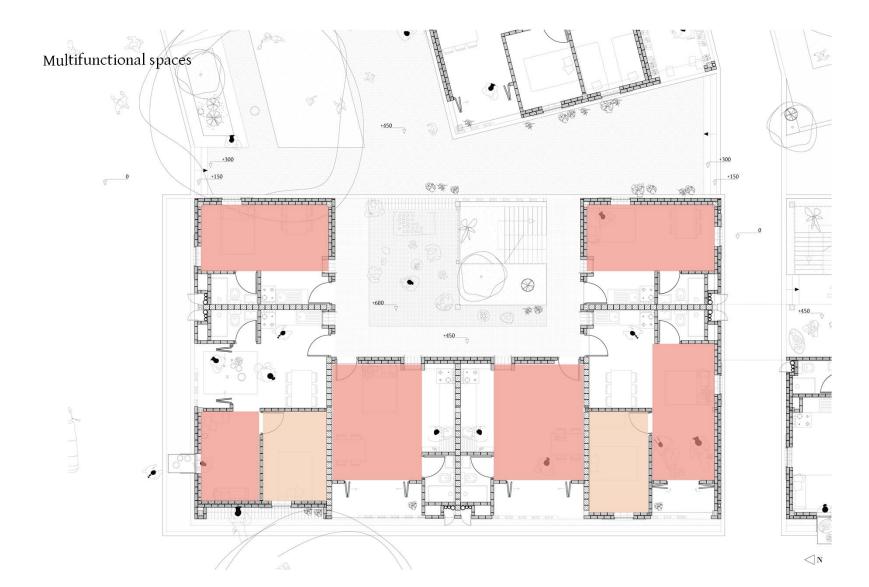
### Kitchen window detail

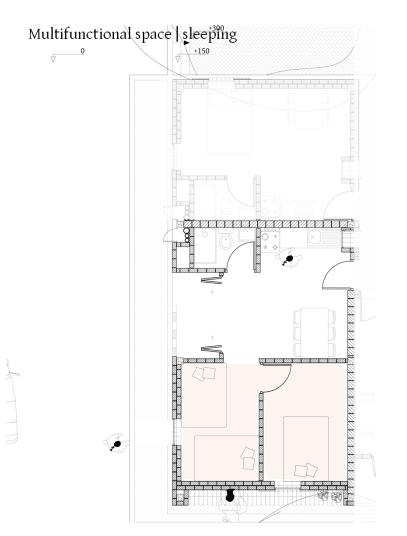




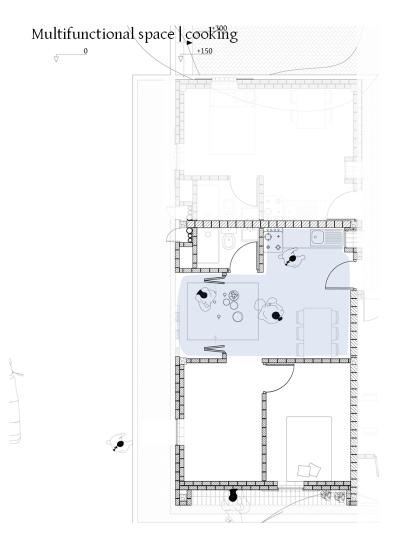




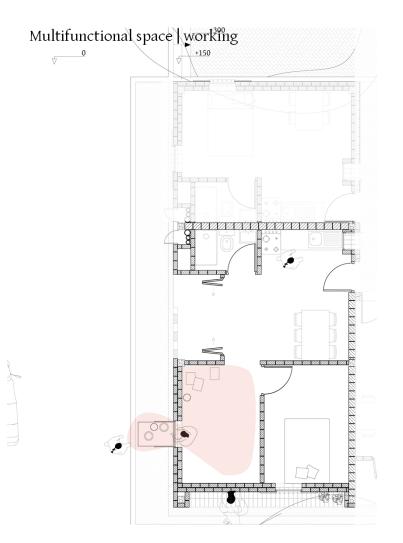




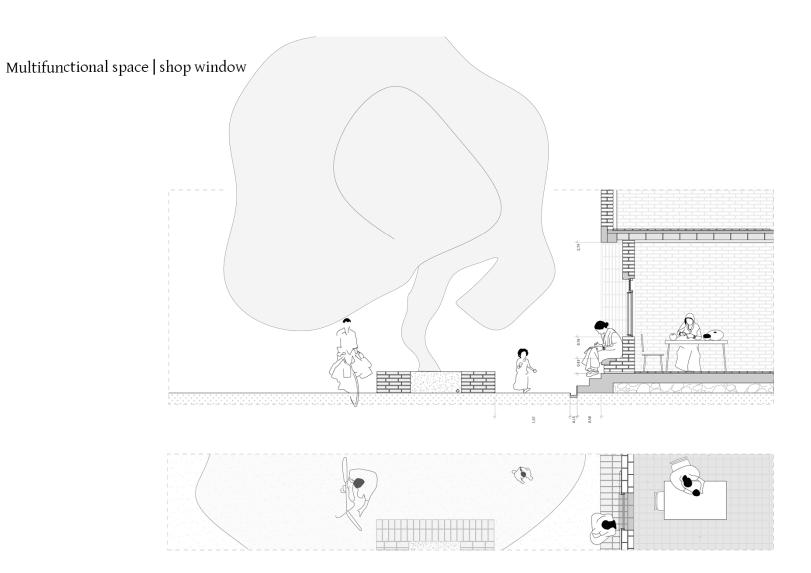


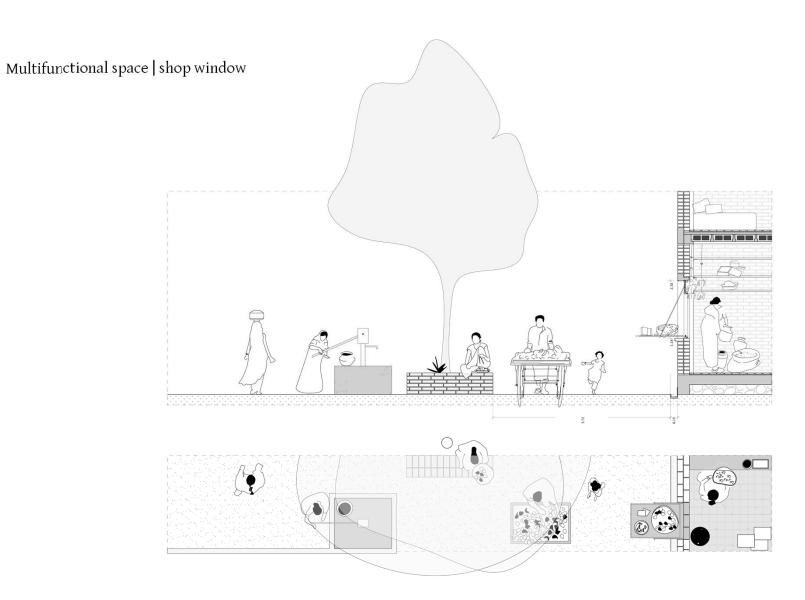














## Location 1 111



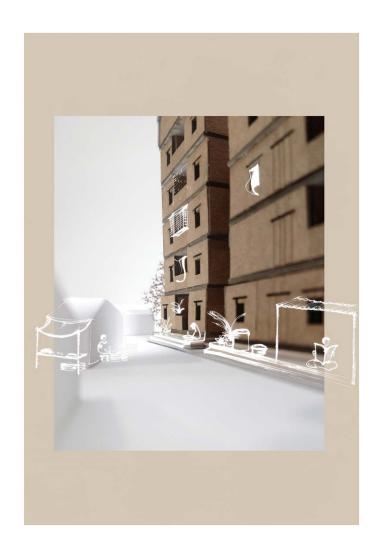














"As we collectively produce cities, so we collectively produce ourselves... [if] we accept that 'society is made and imagined', then we can also believe that it can be 'remade and reimagined'"

David Harvey (2000)



Thank you 121