

The Dual Home:

Creating spaces for living and
work in Ahmedabad

Panthazin Aung

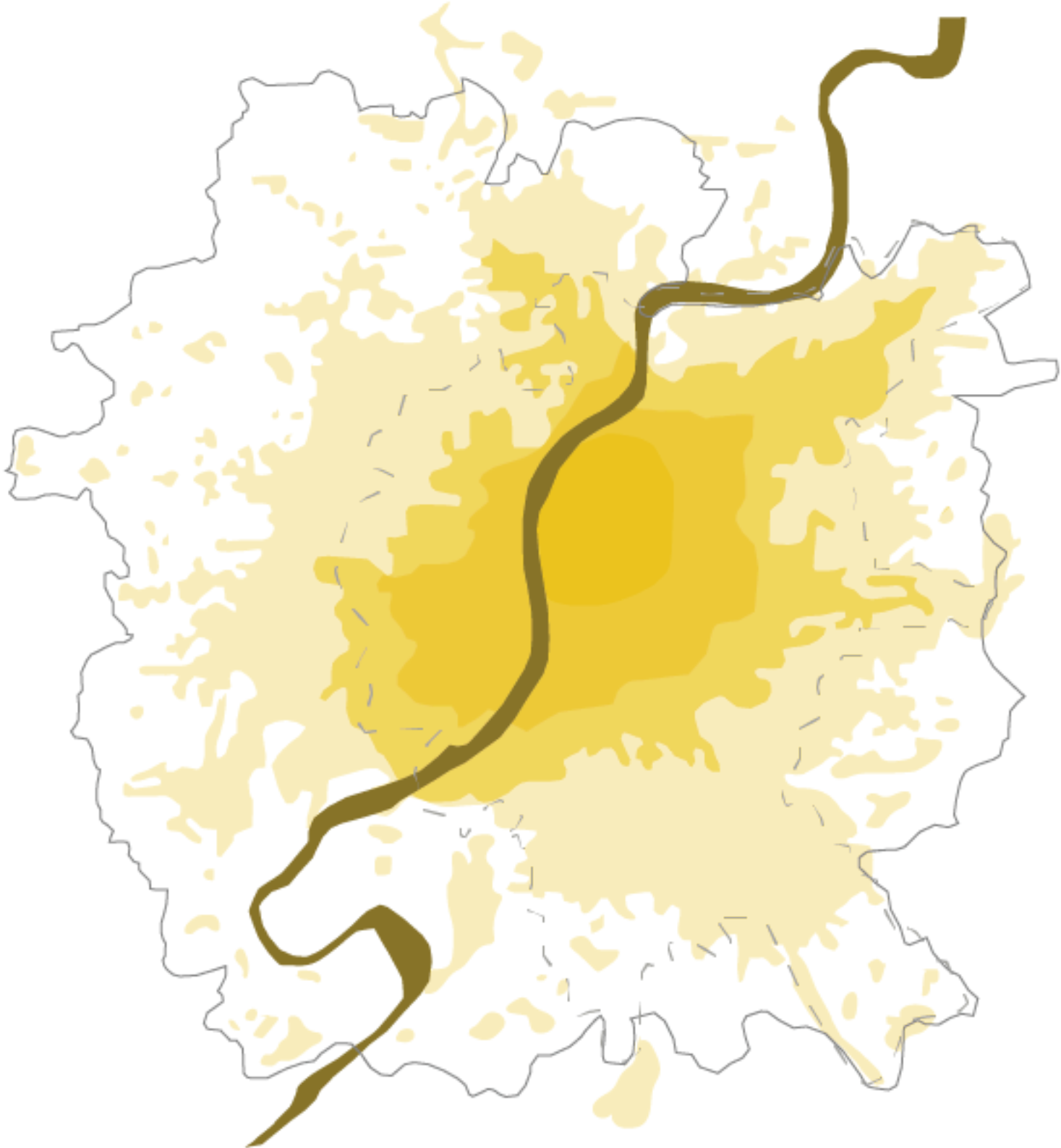
Global Housing



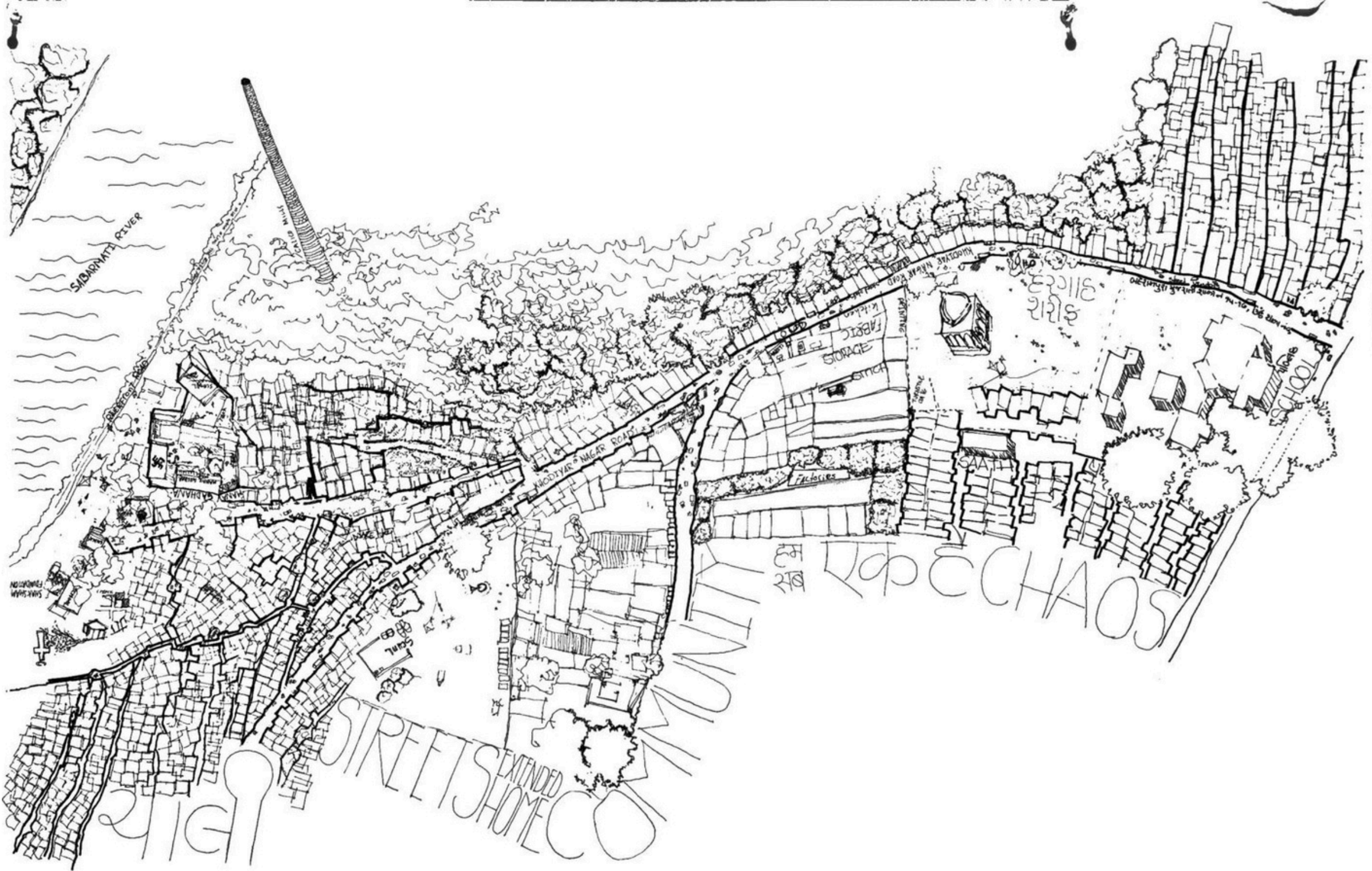
INDIA



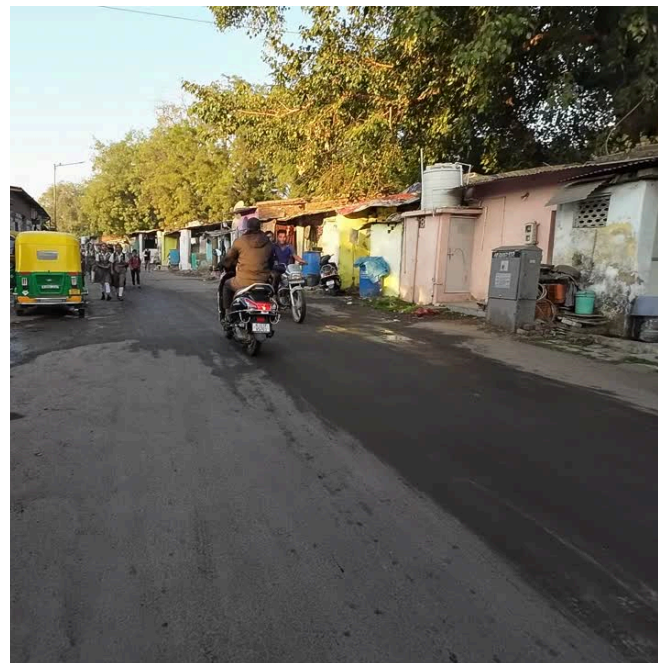
AHMEDABAD



CALICO MILLS



CALICO MILLS



PROBLEM



"I do everything in this room, eat, work and have guest over"



PROBLEM

A hand-drawn list of activities enclosed in a decorative black border. The activities are written in black ink, with some words in yellow. The list includes: Clearing, tutoring, family time, Salon, eating, convenience store, Sewing, Bike making, Talking, laughing, sleeping, laundry, vegetable peeling, Sitting, broom making, washing, Studying, Showering, arts, kite making, vendors, playing, and cooking.

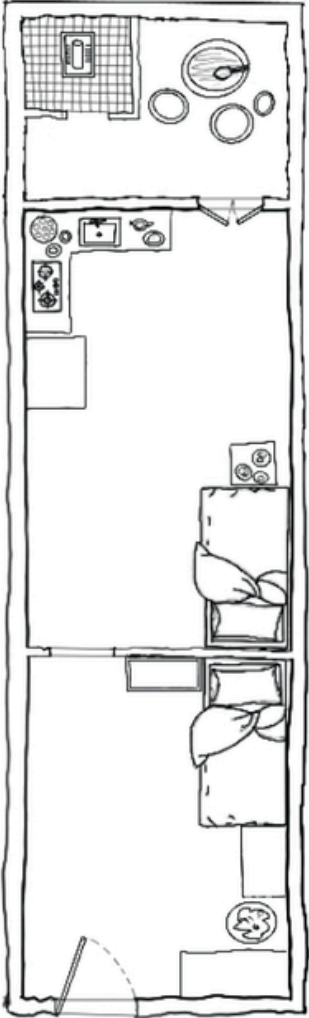
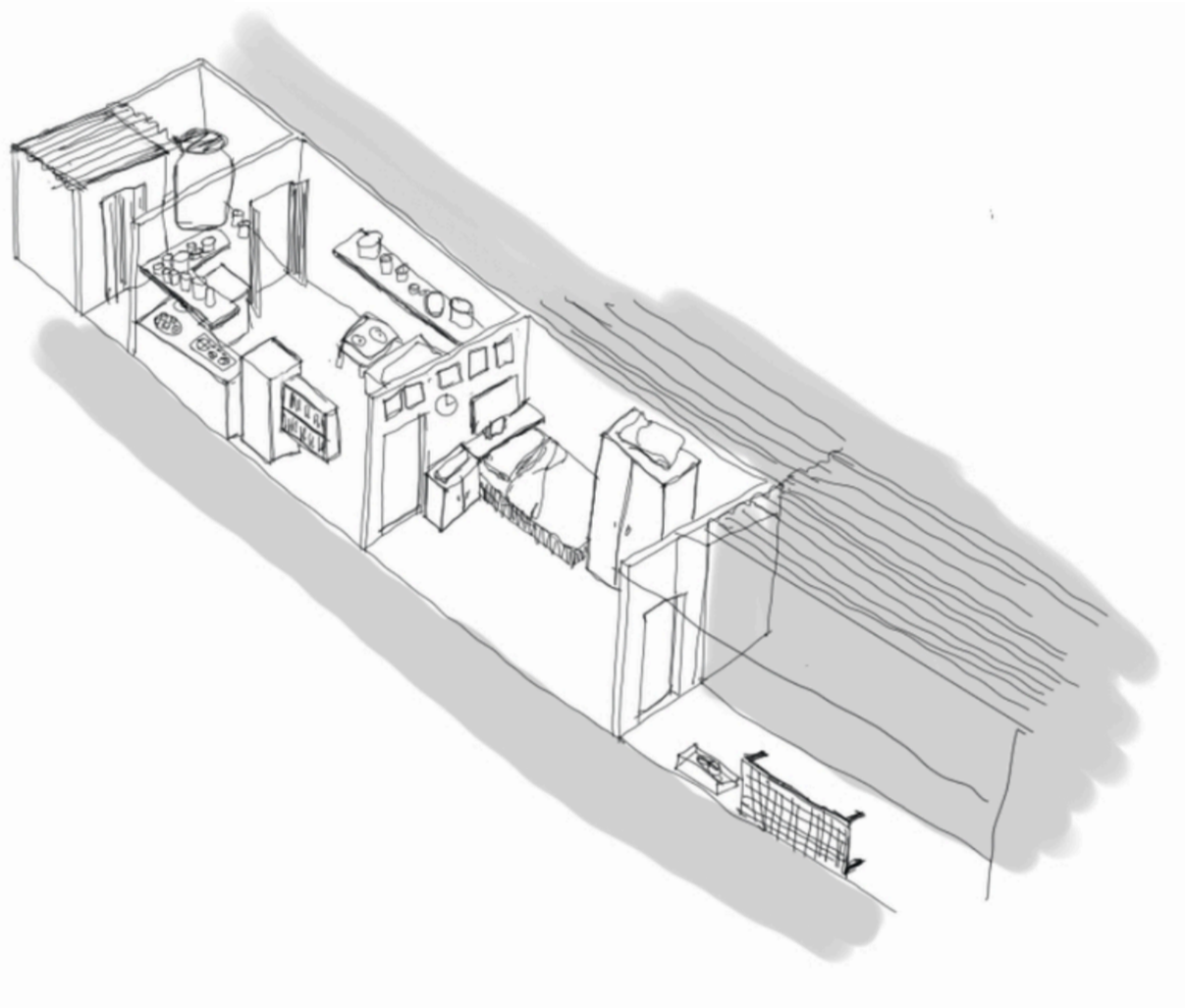
Clearing tutoring family time Salon
eating convenience store Sewing
Bike making Talking
laughing sleeping laundry vegetable peeling Sitting
broom making washing Studying
Showering arts kite making
vendors playing cooking

RESEARCH QUESTION

“How can a low-cost housing design create a spatial mediate between domestic life and home-based work, allowing for flexible spatial use to balance economic productivity with domestic privacy and social life?”



Day and Night



Floorplan



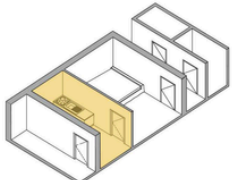




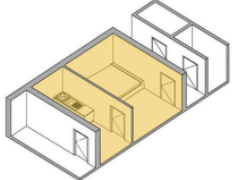




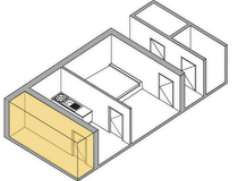




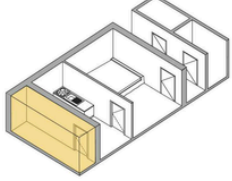




Day

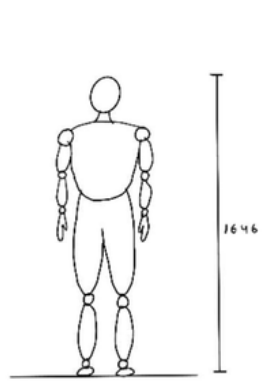


Night

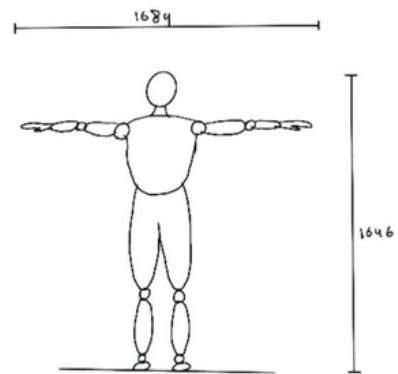
Home Based Matrix

WORK	HOME BASED	PEOPLE (one man job or more)	PRIVATE/PUBLIC	M2 REQUIRED	WHERE CAN IT BE PLACED	VEHICLE REQUIRED	POLLUTION (NOISE, WASTE)
<p>Kite making</p> 	Mostly home based	 <p>Mostly done alone (Potential for shared spaces)</p>	 <p>Private</p>	<p>0,5 m2</p> <p>Equipment: Sticks, Plastic, Glue, small table or floor Storage: Yes, for the raw materials and product</p>	 <p>It can be placed anywhere, it does not need direct contact with the street or natural light</p>	<p>Not for the production, but needed for the delivery of the raw materials and sending out the finished products</p>	<p>Material scraps</p> 
<p>Sewing</p> 	Home based	 <p>Mostly done alone or with two persons (Potential for shared spaces)</p>	 <p>Private</p>	<p>0,9 m2</p> <p>Equipment: Sewing machine, material, table Storage: Yes for material and products</p>	 <p>It can be placed anywhere, it does not need direct contact</p>	<p>Not for the production, but needed for the delivery of the raw materials and sending out the finished products</p>	<p>Material scraps</p> 
<p>Stores</p> 	Both	 <p>Mostly done alone or with two persons</p>	 <p>Semi private/ Public</p>	<p>3 m2</p> <p>Equipment: Stock, table Storage: Yes, for the products</p>	 <p>Needs to be directly along the street</p>	<p>Needed for the delivery of products</p>	<p>Noise, Waste</p> 
<p>Education</p> 	No	 <p>Class full of students</p>	 <p>Public</p>	<p>12 m2</p> <p>Equipment: Chalkboard, Tables Storage: not necessarily needed, can be small</p>	 <p>Needs to be directly along the street</p>	<p>Not needed</p>	<p>Noise</p> 

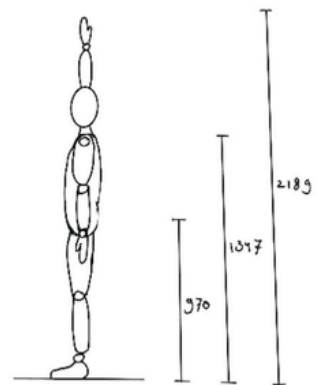
Home Based Neufert



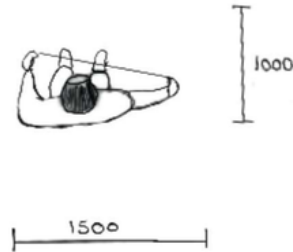
STANDING



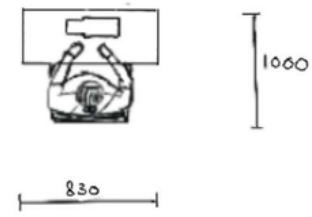
SPAN WIDTH



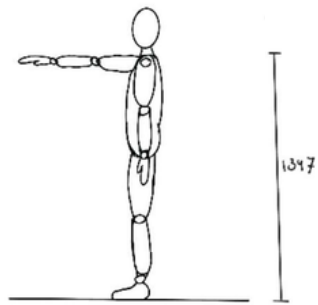
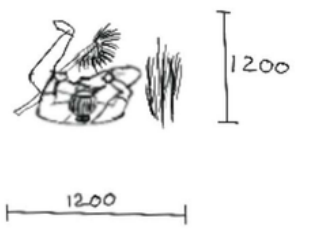
VERTICAL UPWARDS ARM REACH



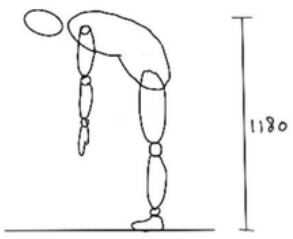
SPINNING



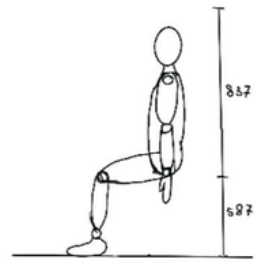
SEWING



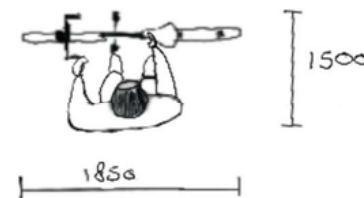
FORWARD ARM REACH



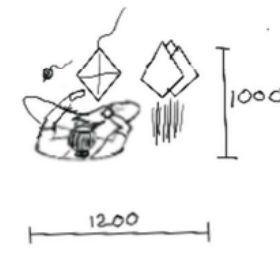
BOWED DOWN



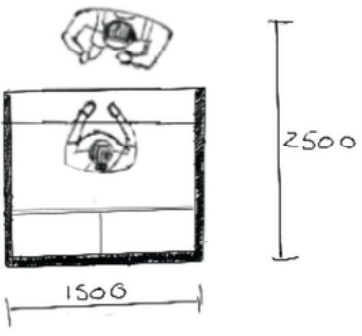
SITTING



BICYCLE REPAIR



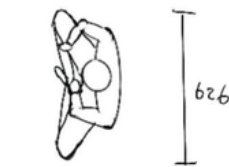
KITE MAKING



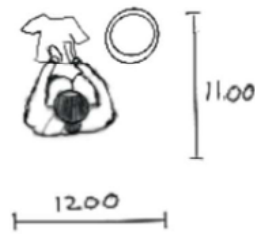
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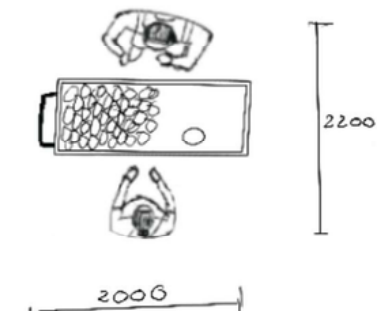
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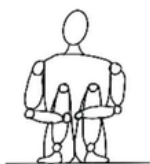
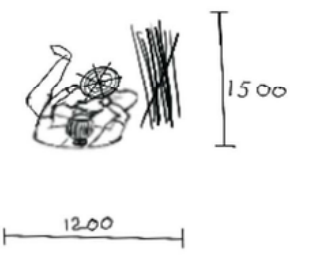
CROSSED LEGGED



WASHING CLOTHES



STREET VENDOR

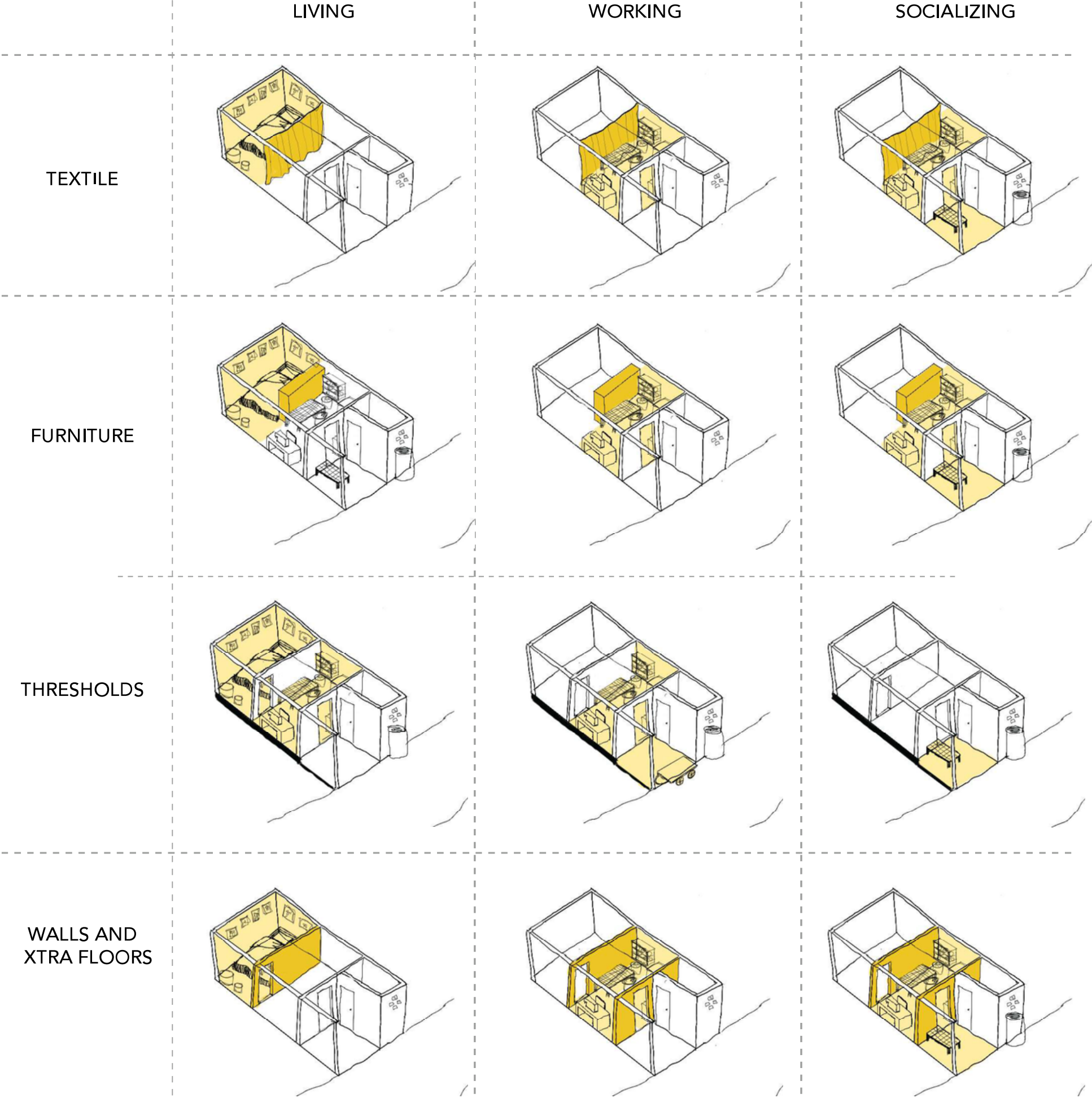


CURLED UP



SQUATTED

Privacy is Layered



Pollutions



Day



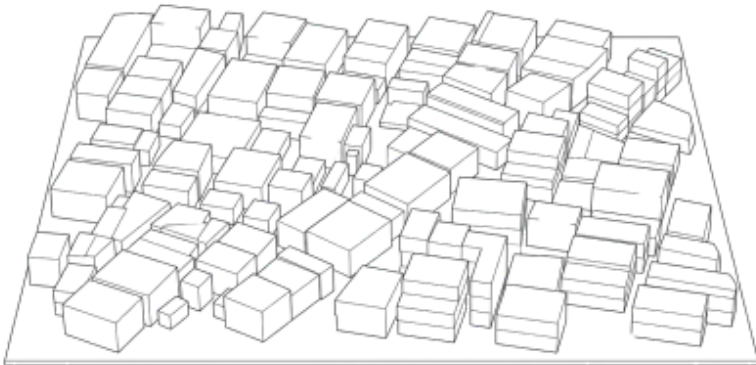
Night



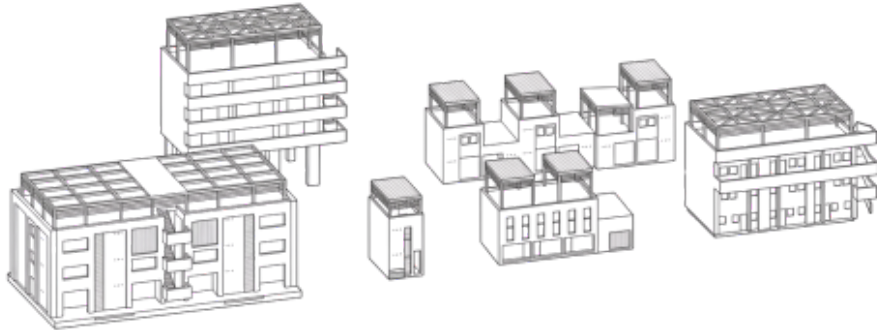
Dwelling-District-Neighbourhood



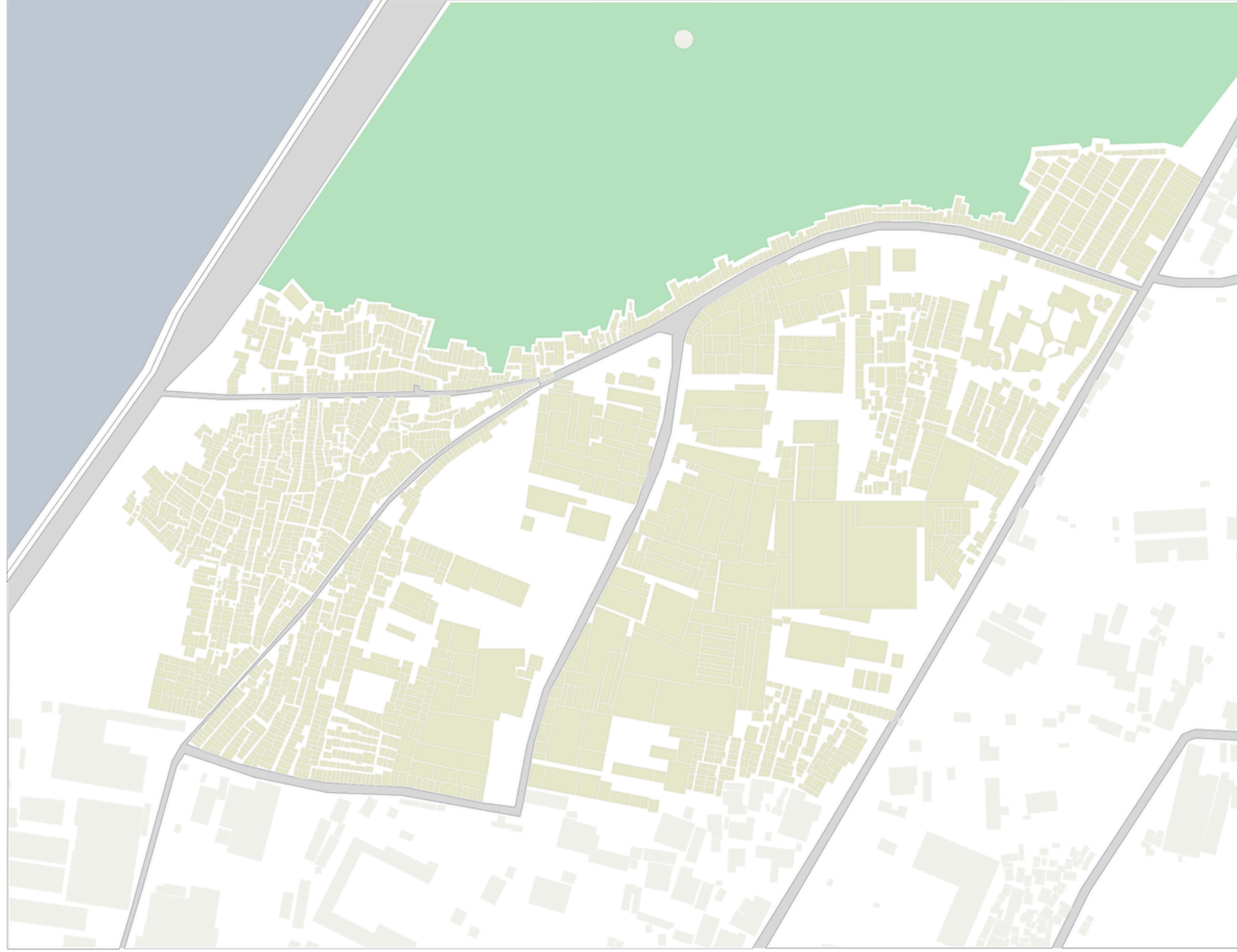
Neighbourhood

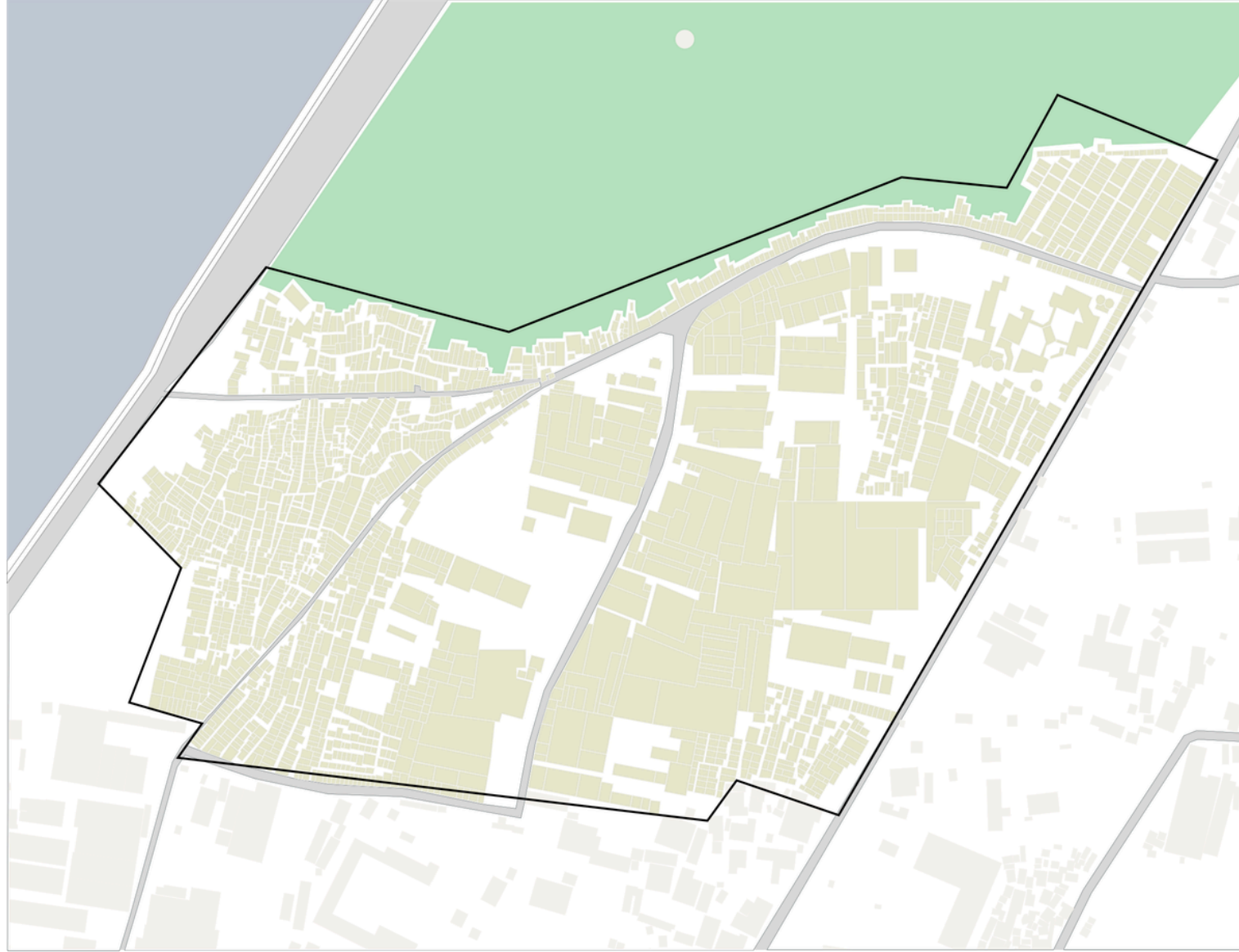


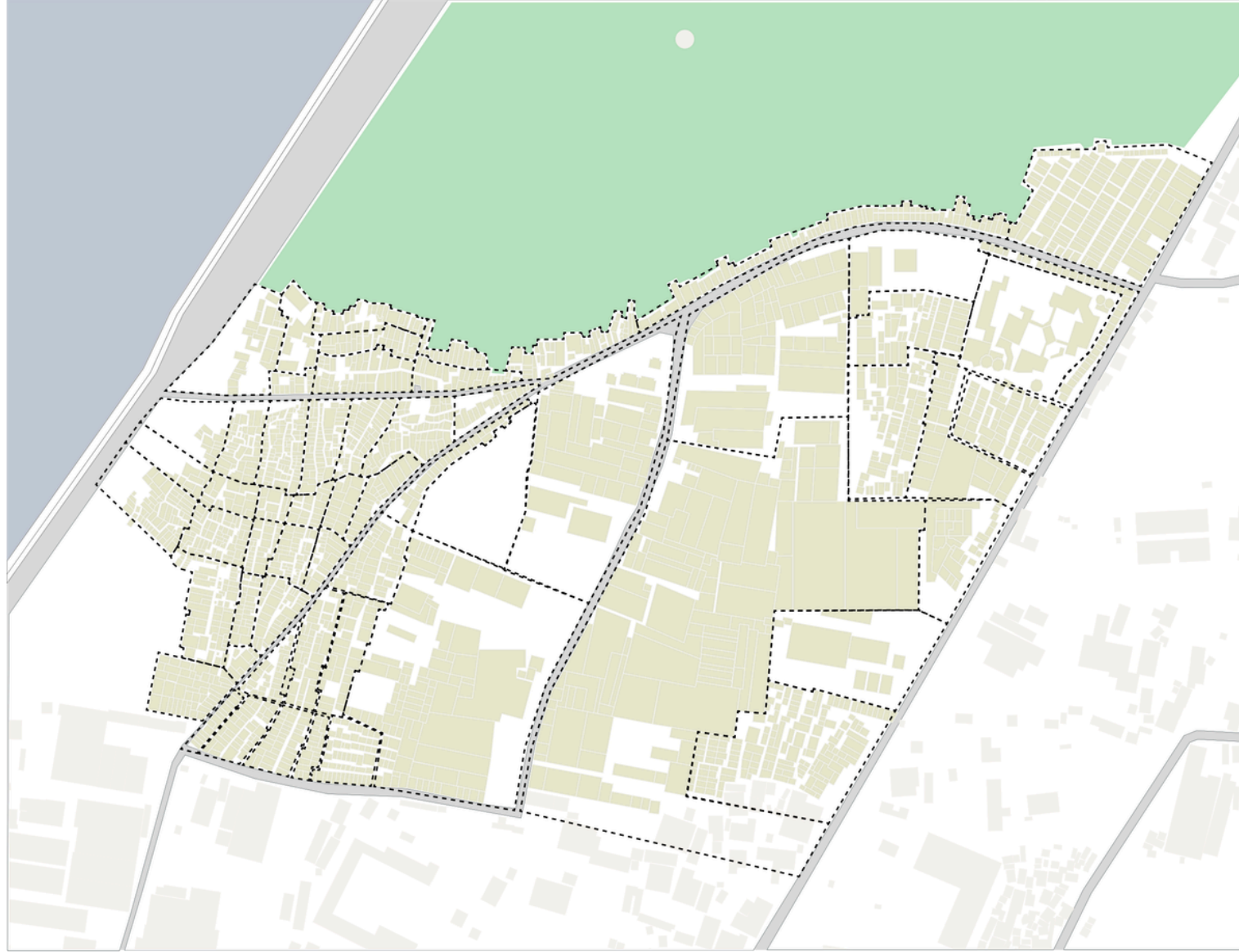
District

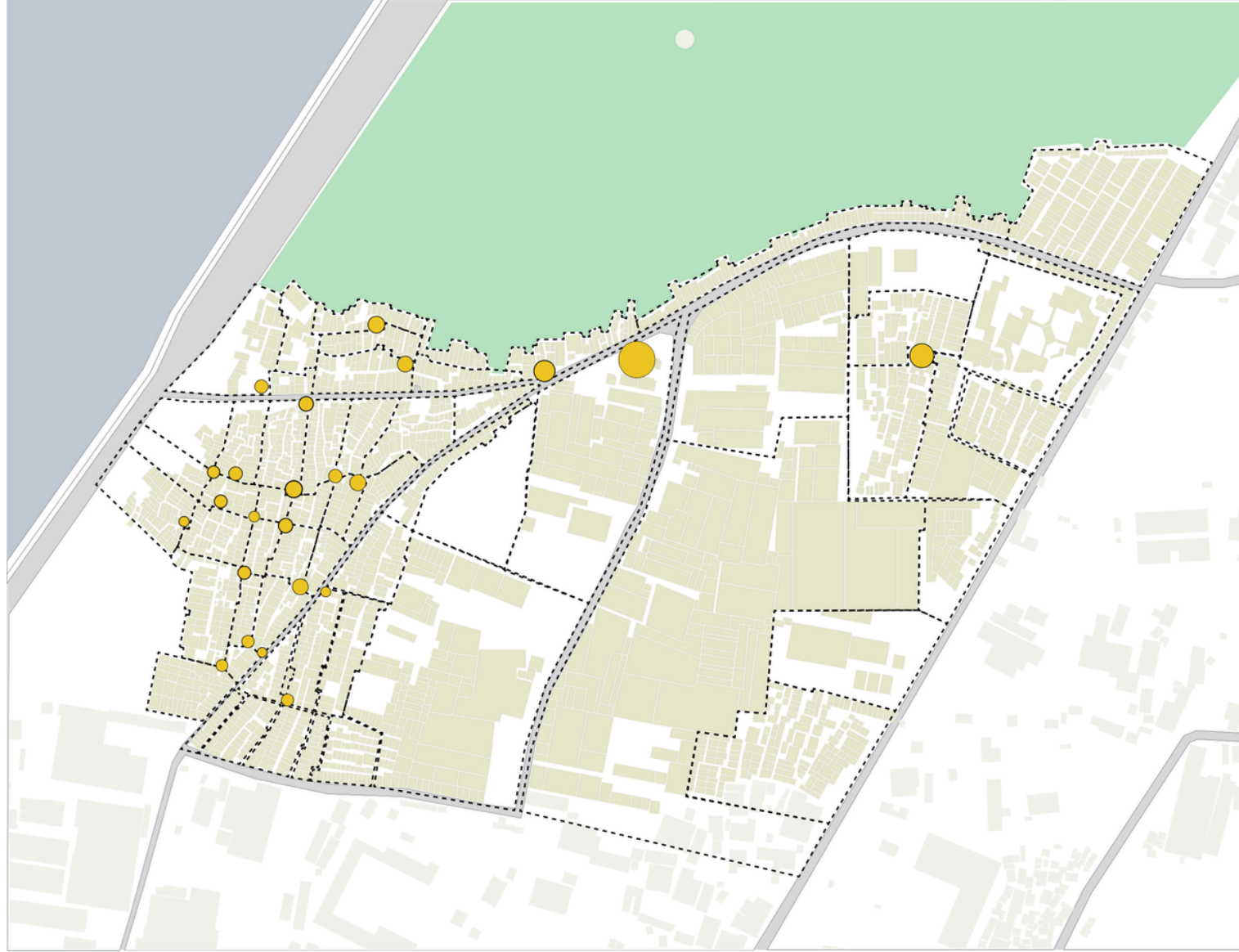


Dwelling

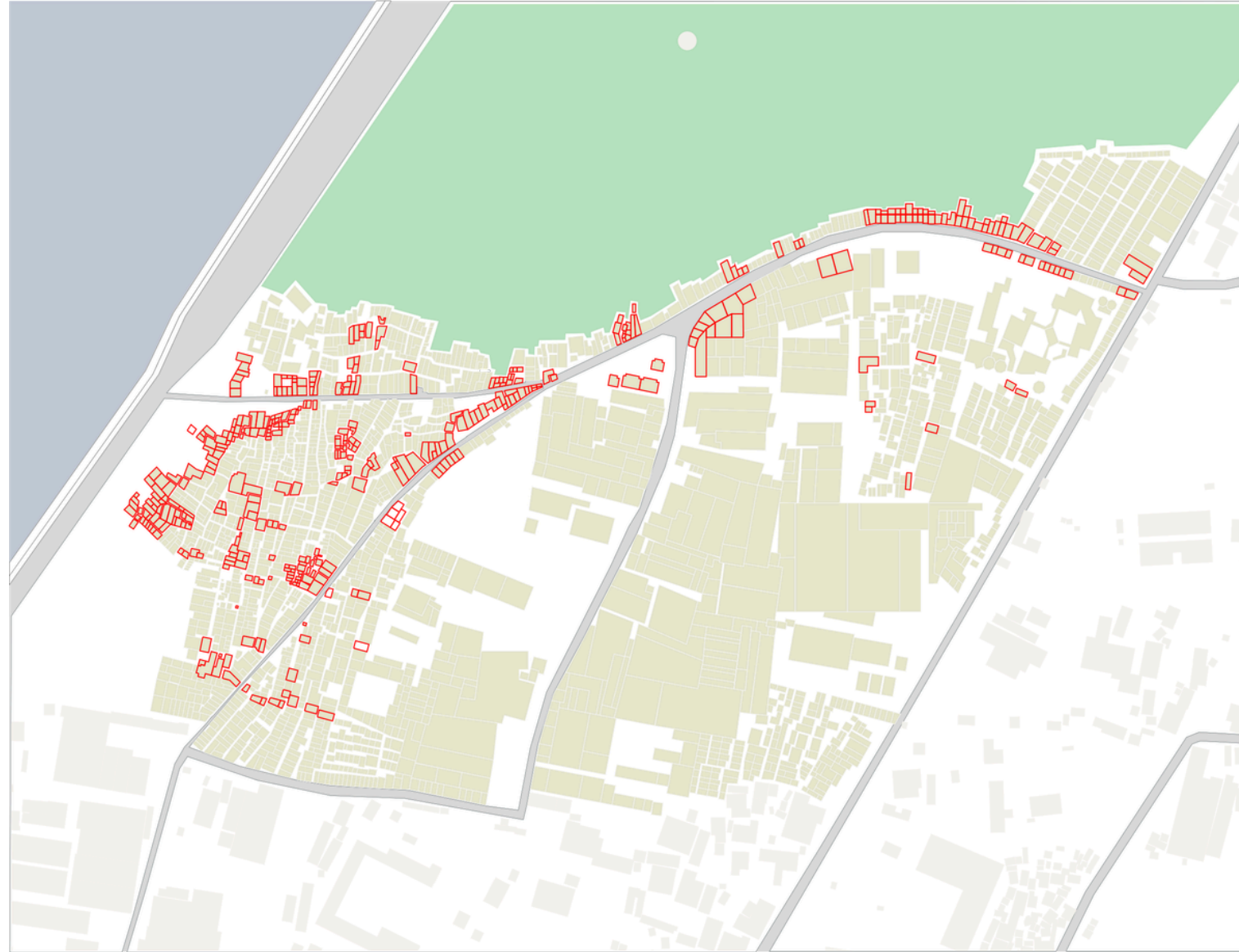




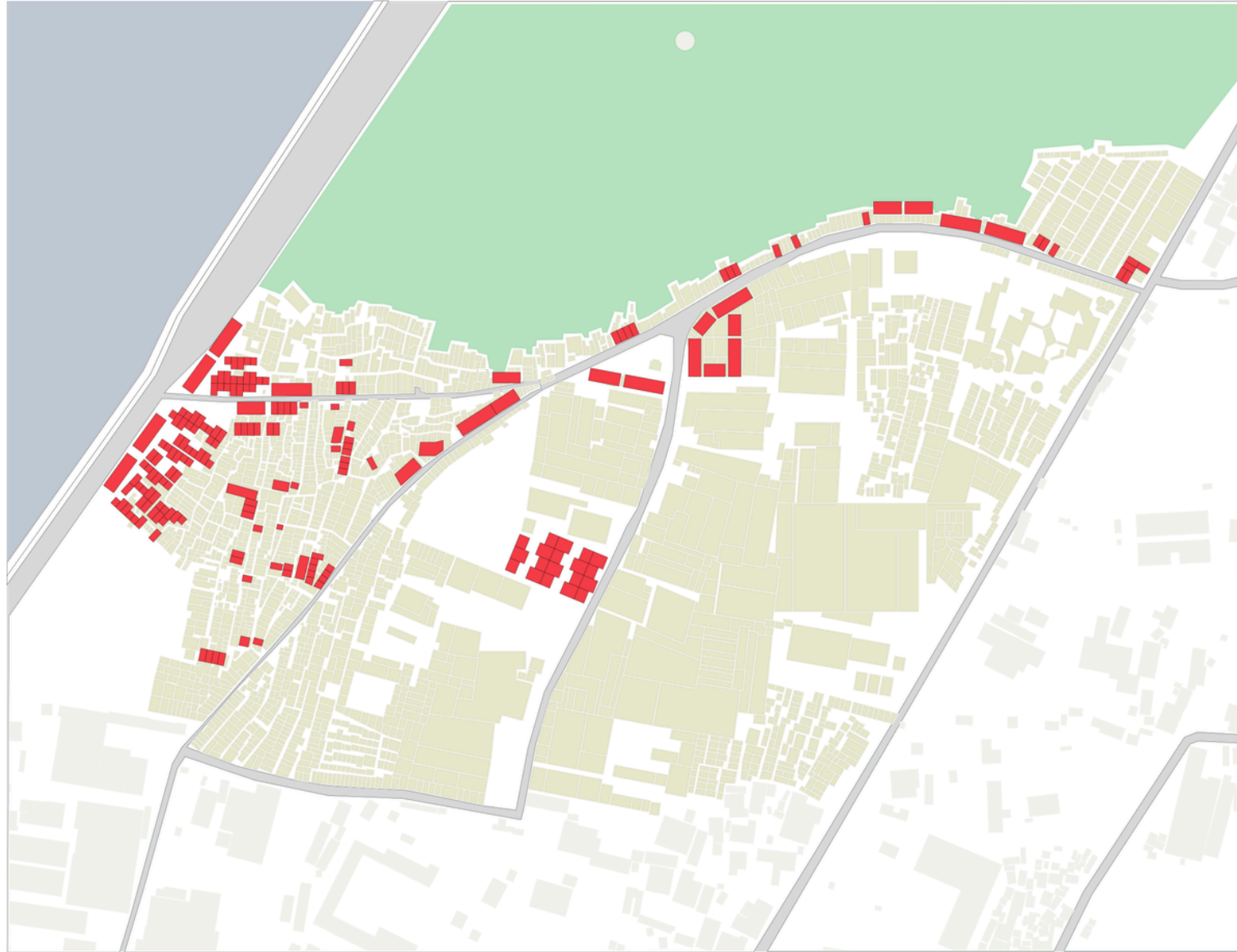












CATALOGUE

RENEWAL

REDEVELOPMENT

IMPROVEMENT

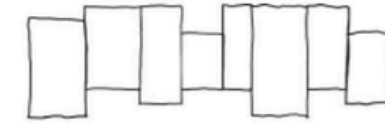
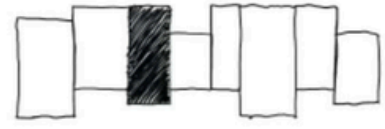
INFILL

BLOCK

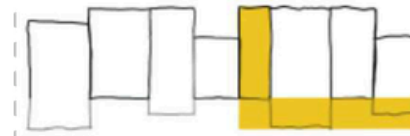
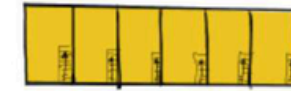
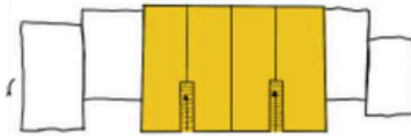
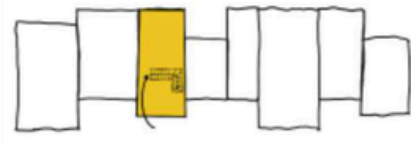
ROW HOUSE

HOVER

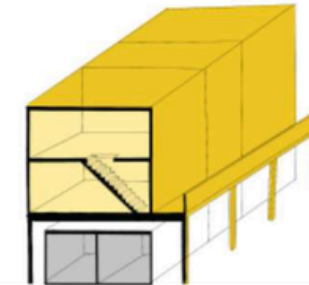
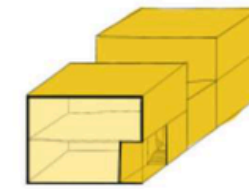
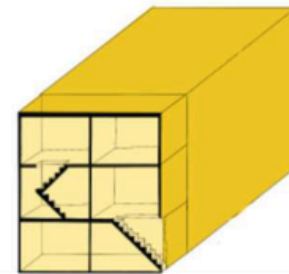
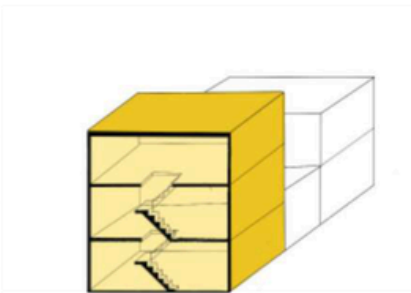
PLAN



CIRCULATION



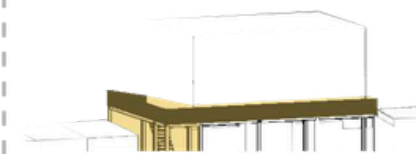
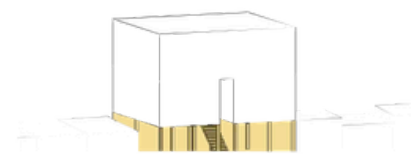
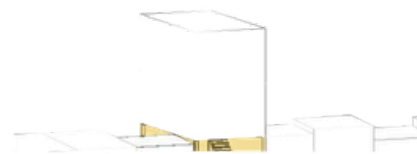
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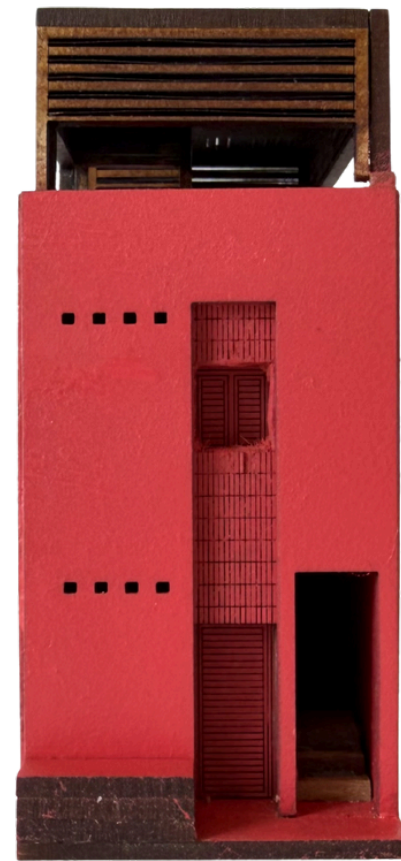


MASSING

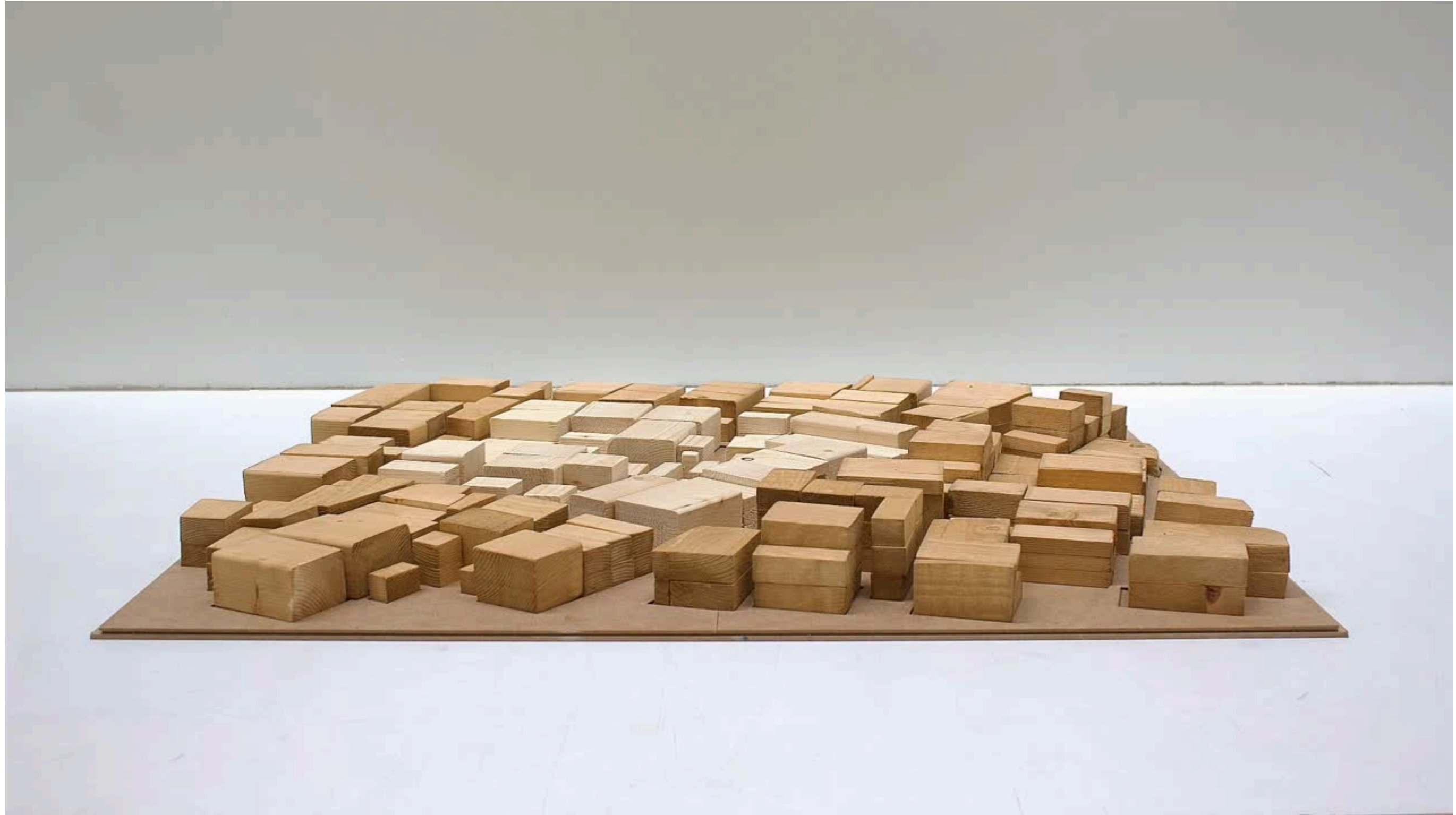


SHARED





Infill



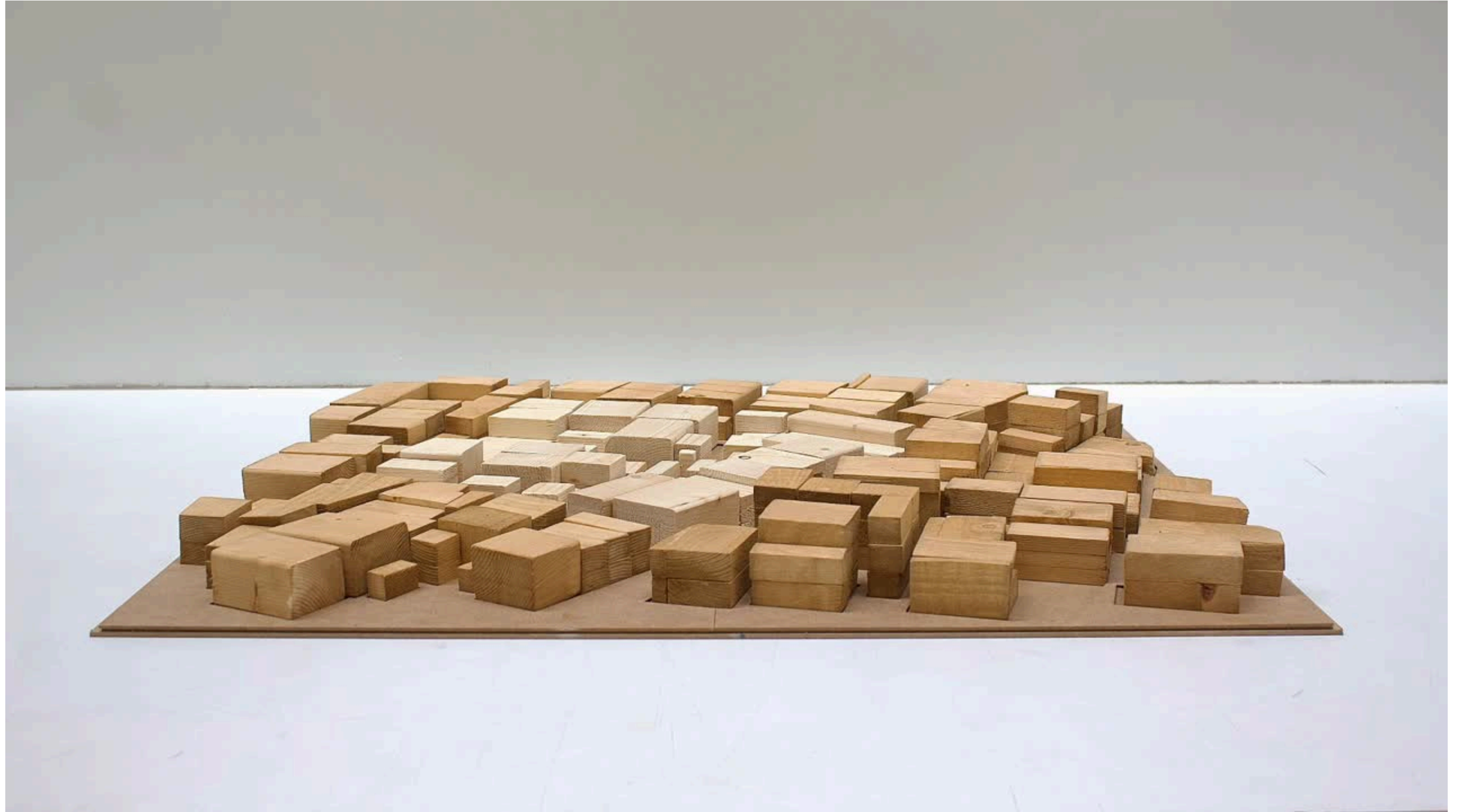


Block A





Block B



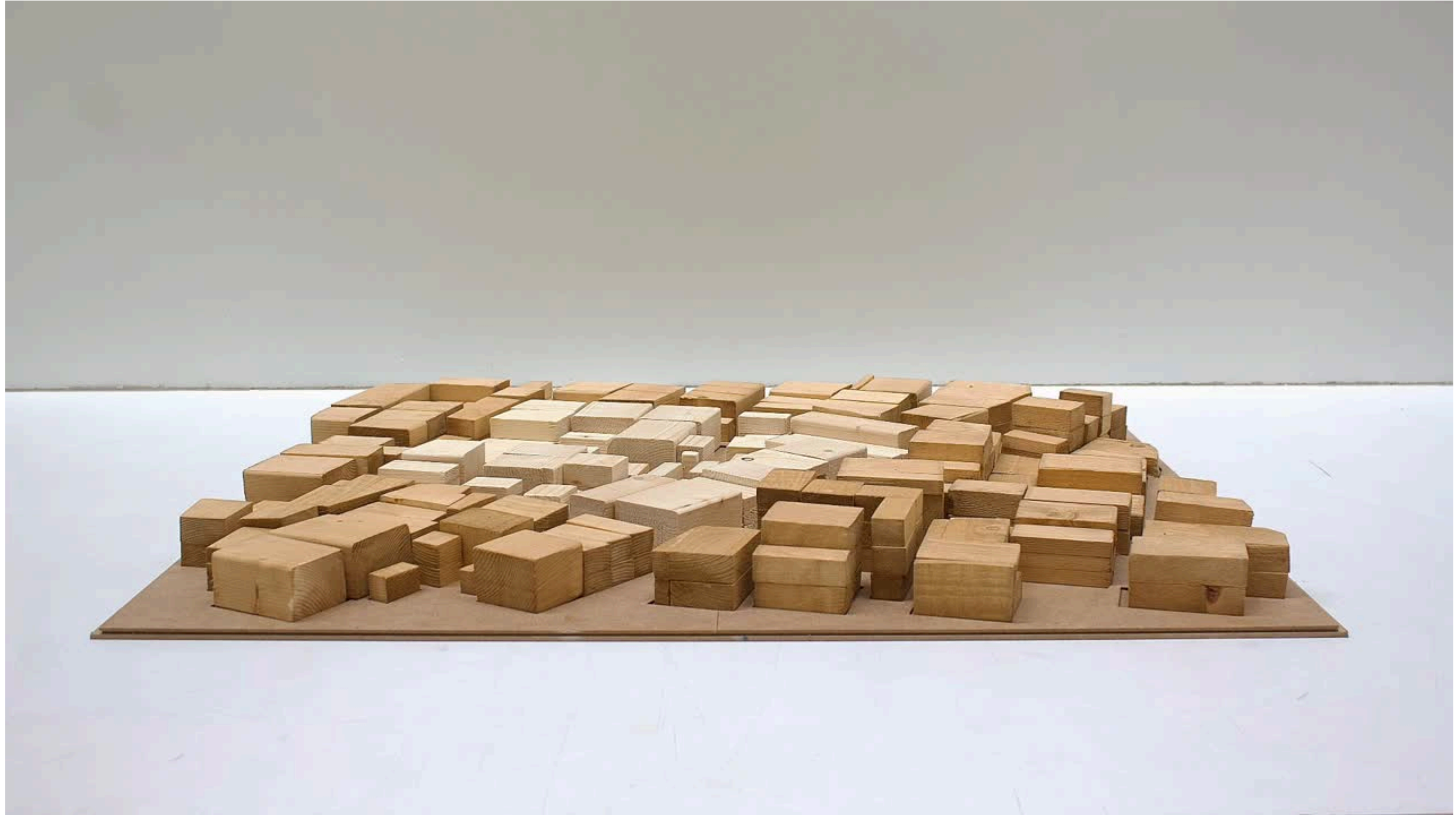


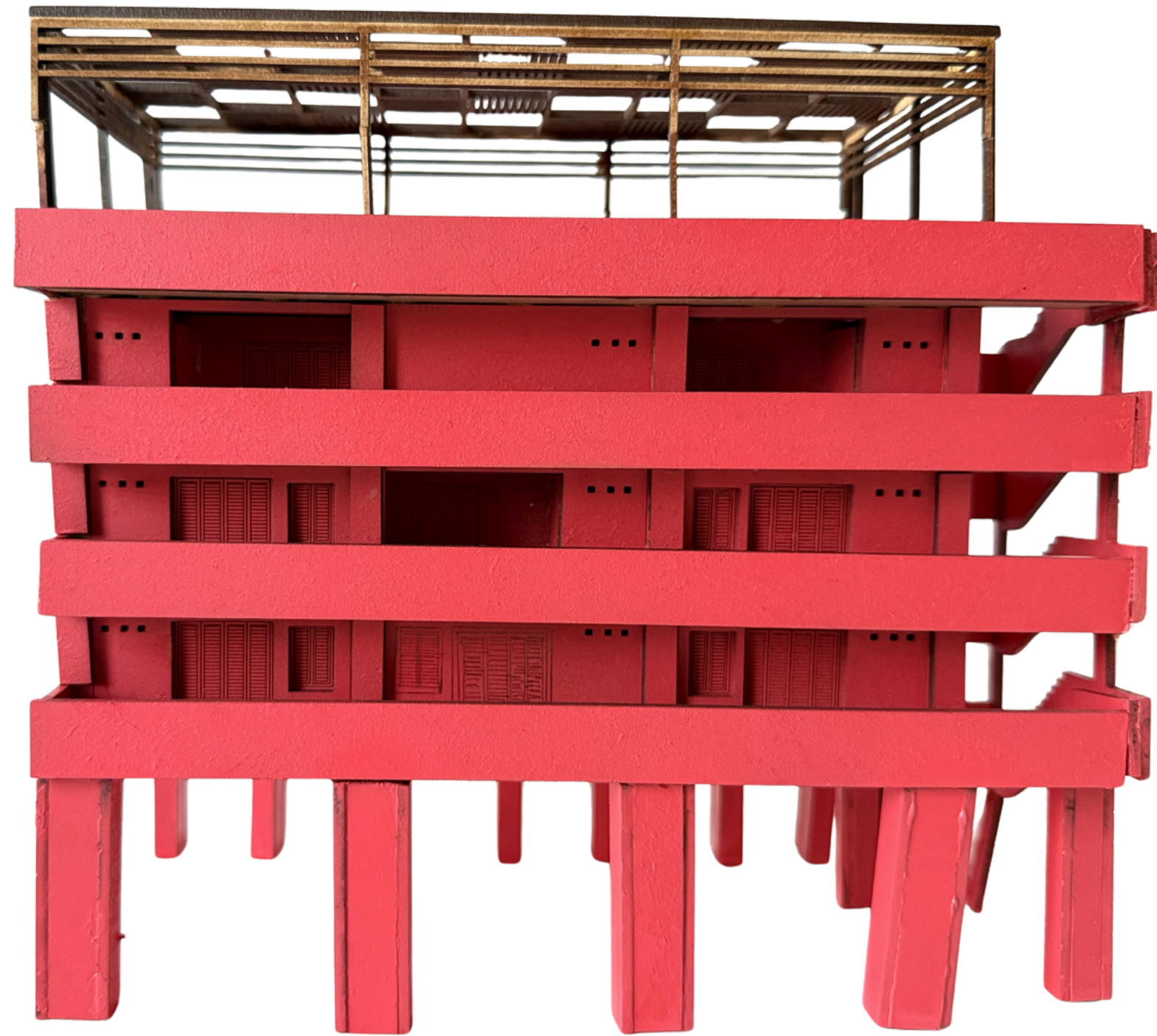
Row House A



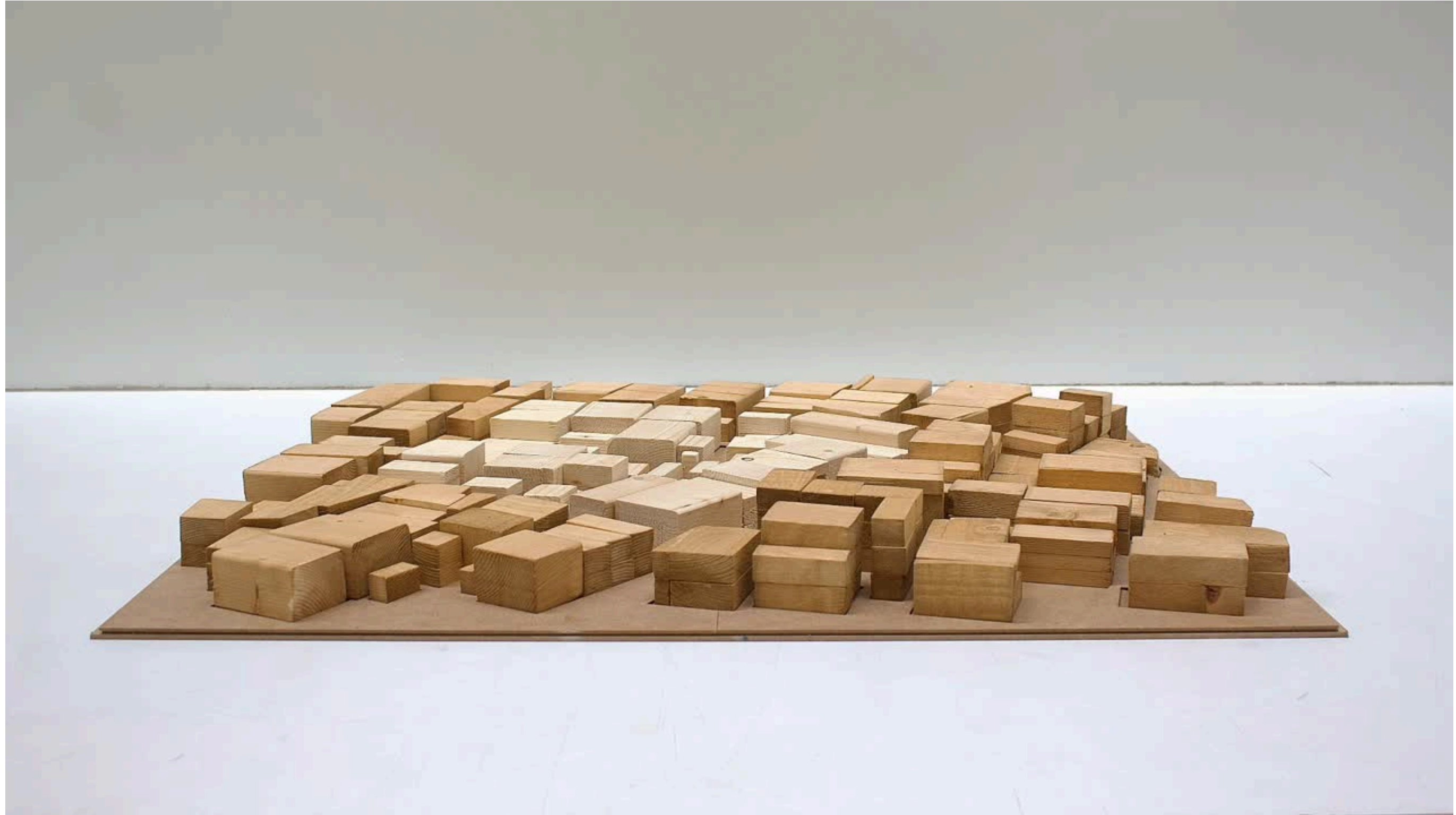


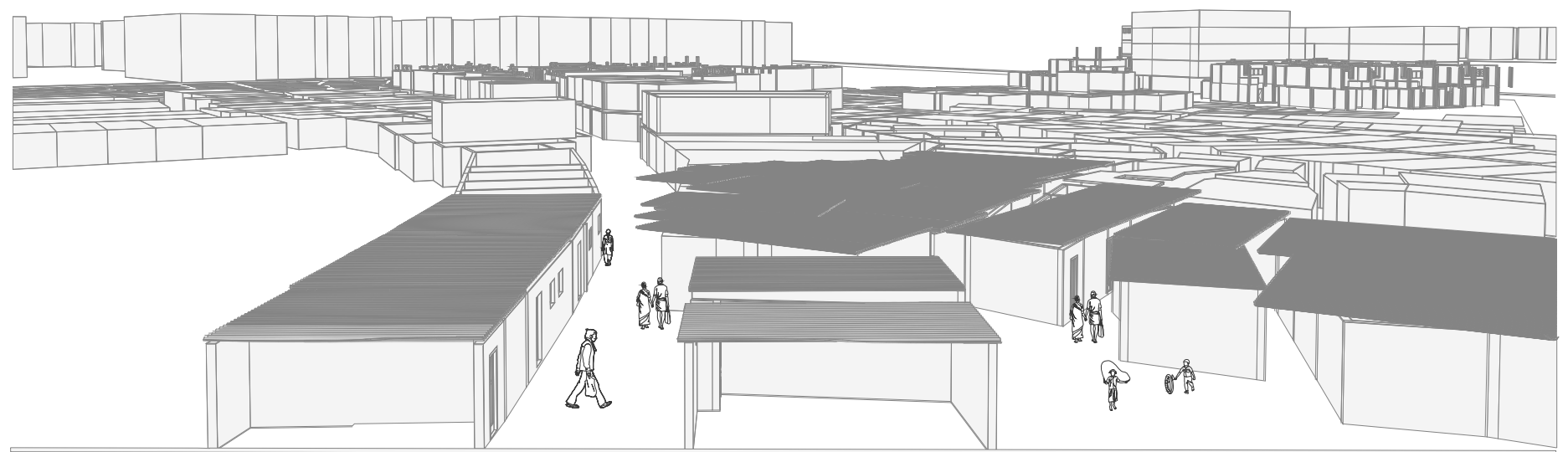
Row House B

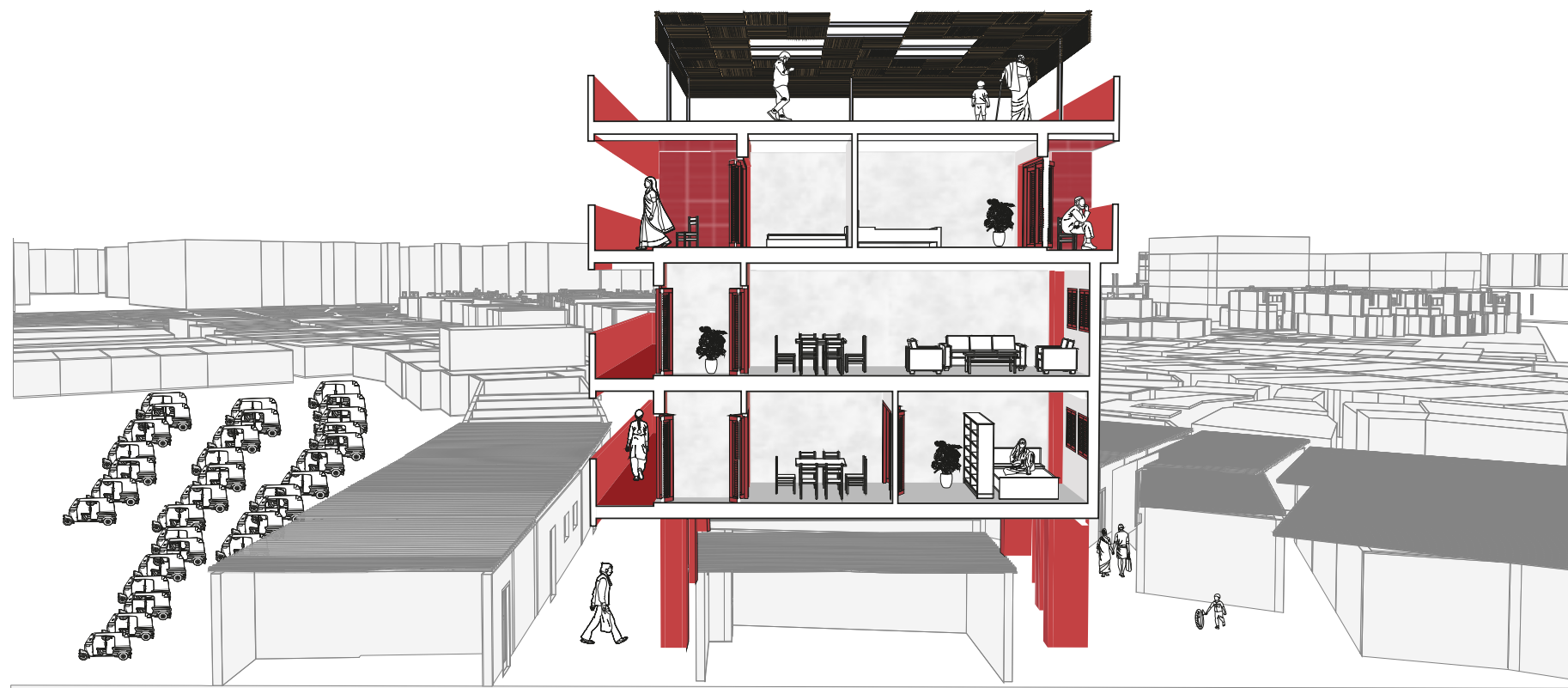




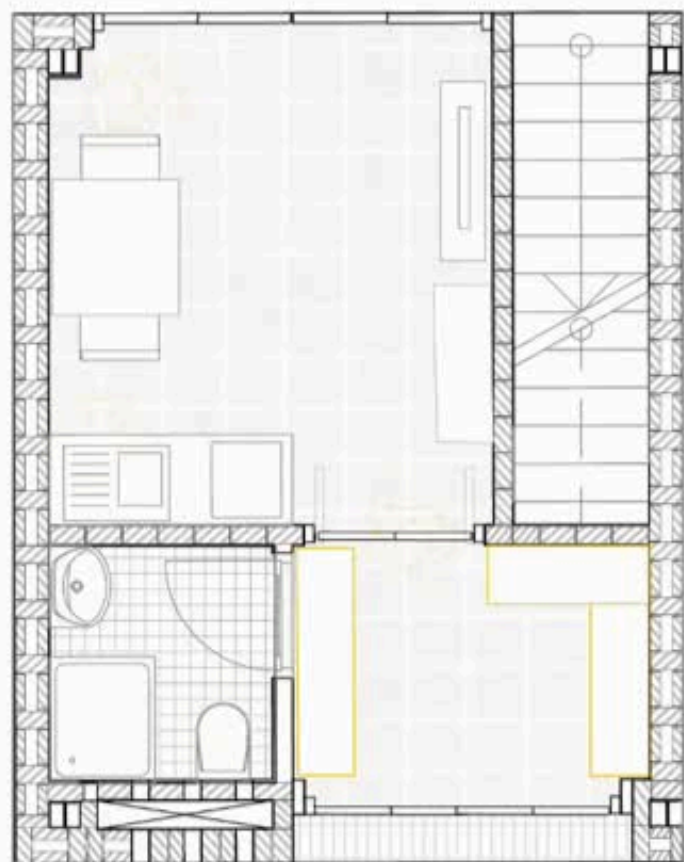
Hover



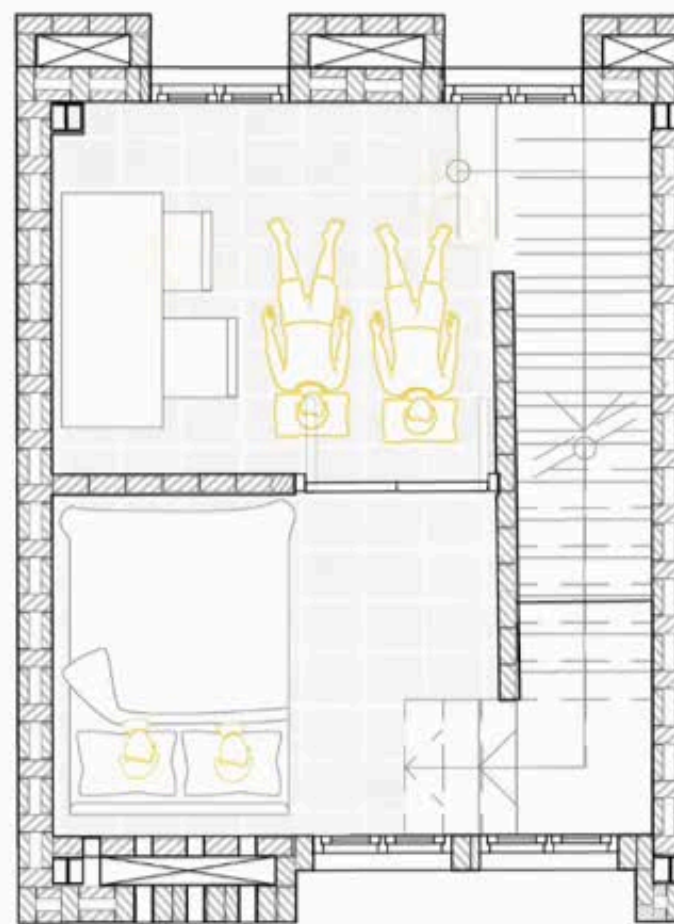




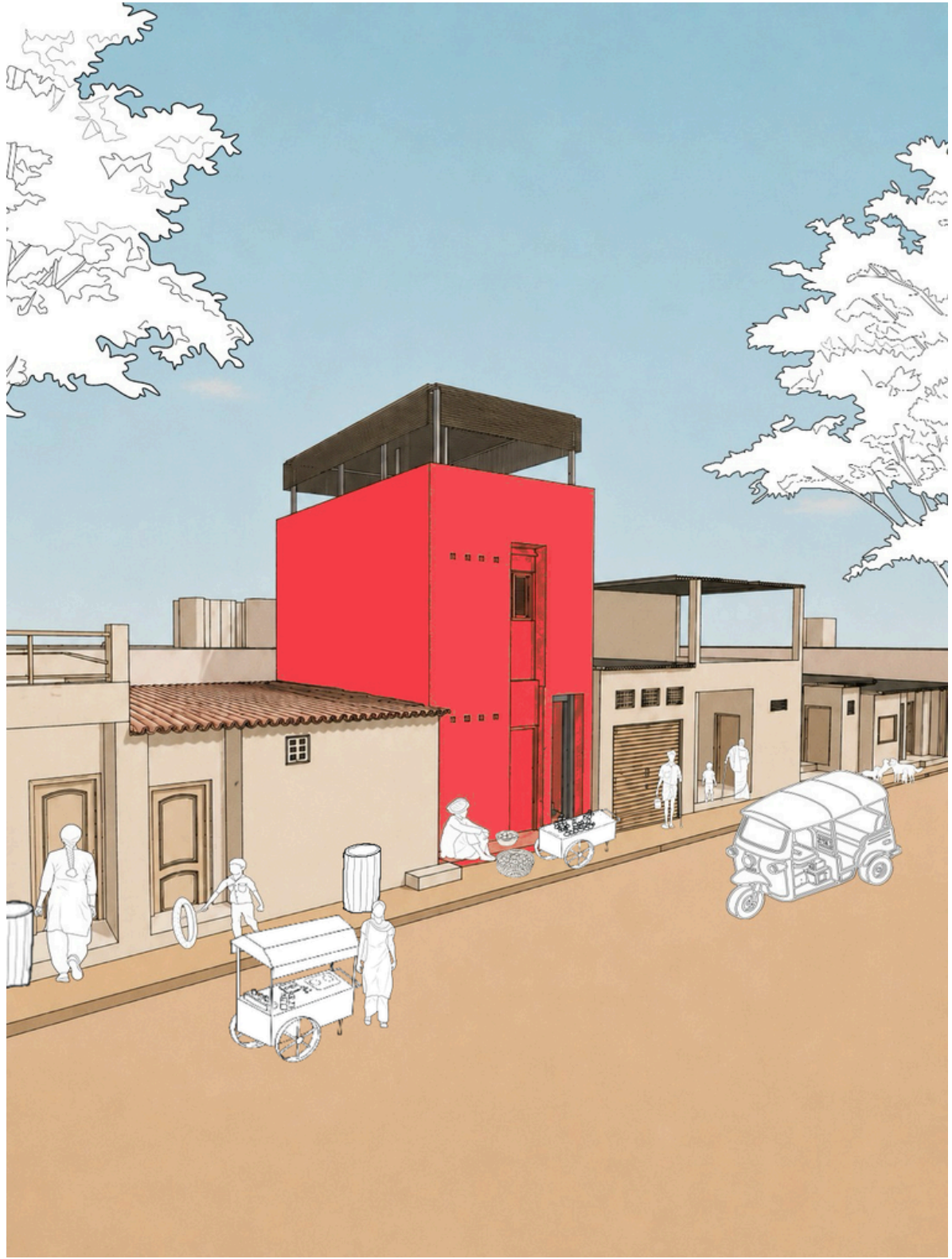




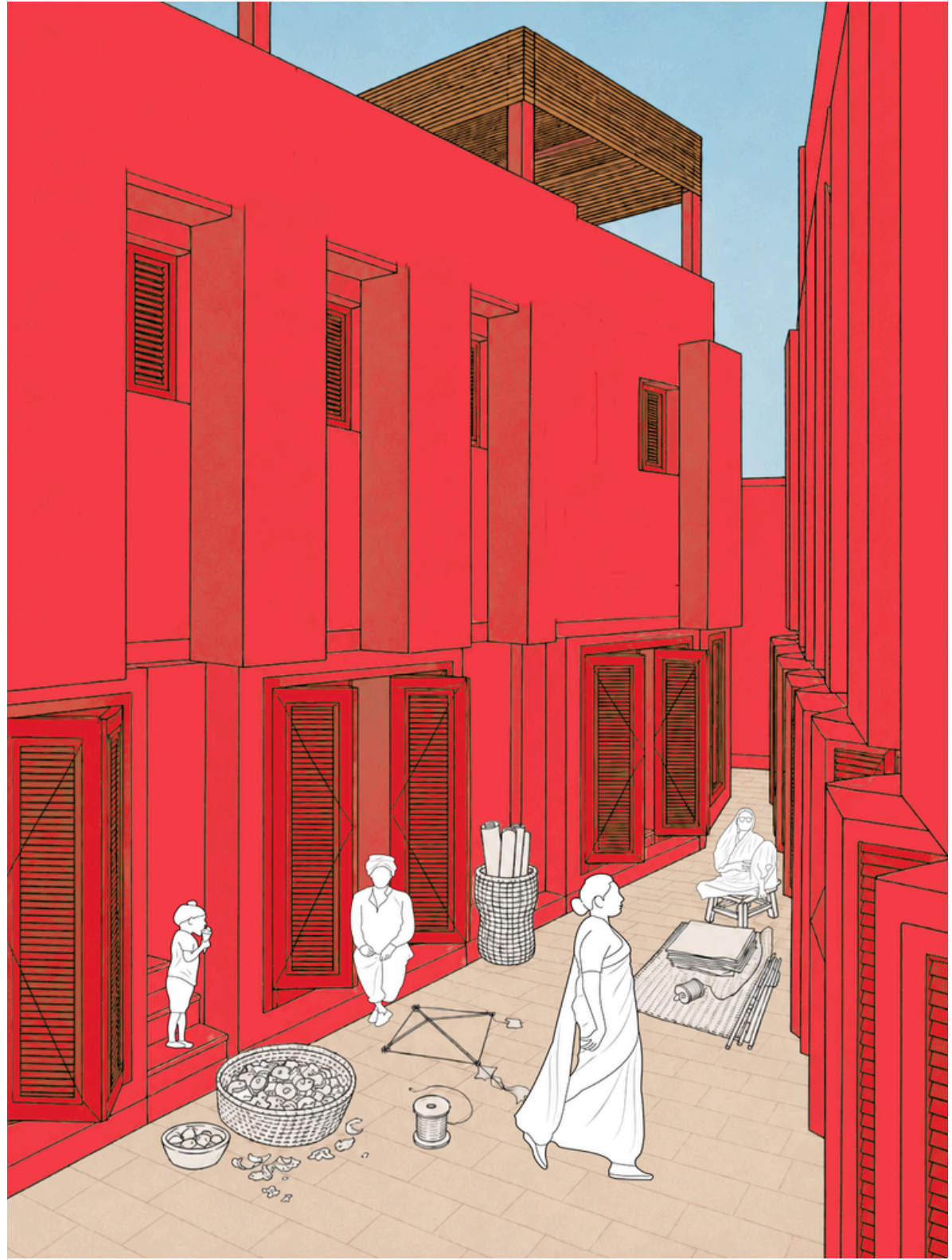
Ground Floor



First Floor







THE DUAL HOME

