

SEMESTER 3 -PORTFOLIO

SUPER FUTURES PLATFORM

XIAOJING ZHANG

THE PRAGMATISM OF VERTICALLY STACKING

1sq meter vertical architecture

19th June, 2054

Context of **current** (SUPER substructure) **society**

The vertical buildings support a huge super substructure.
The people who live in the superstructure have power to monitor and control the whole world.
The humans and the land of the bottom world have never been free..



Humans & Land

Land is a crucial resource for human survival, humans depend on land for subsistence, and can develop strong symbolic attachments to it.

Humans derive a sense of belonging from land, connection to the land is an important part of their **identity and culture**.

Access to land can determine "survival and wealth," including complex power relationships.



Housing Crisis & Survival Crisis

One of the uses of land is to provide people to build homes.

As populations migrate, grow and urbanization, there is a real problem in many cities: urban densification, which leads to land scarcity and increased land prices. But despite this dense housing stock, there are still many people who do not have the ability to buy a property, even lose their identities in this homogeneous grid.

New housing policy issued -25th Mar,2053

The Government has declared that every citizen has the right to purchase land.



Home & Identity



The column, whose symbol that has been used for long and for various reasons from power to identity will be the element guiding my world. Through history, in the past, columns were not only architectural structures, but also had political narratives. In modern and contemporary society, columns are just structural medium. In the future, it may combine structural and personal narratives, through which everyone can express their identity.





Trajan's column is not only monumental but can also be used as a minimal space.



Assumptions for the use of 1 sqm of land & vertical space



brick



concrete



steel construction



paint



stone & wood

The 1sqm-architectures can be built taller and have more floors to meet the needs of different home organizations.

They can be built in a variety of shapes and materials.

Standard 1 (sqm) house for single person



Ground Floor
Living room



1st Floor
Kitchen



2nd Floor
Bathroom



3rd Floor
Bedroom



Section plan A



Section plan B

Architecture Facade



Upgrade 1 (sqm) house for family



Section plan



7th Floor
Master bedroom

6th Floor
Children bedroom

5th Floor
Children bedroom

4th Floor
Bathroom

3rd Floor
Kitchen

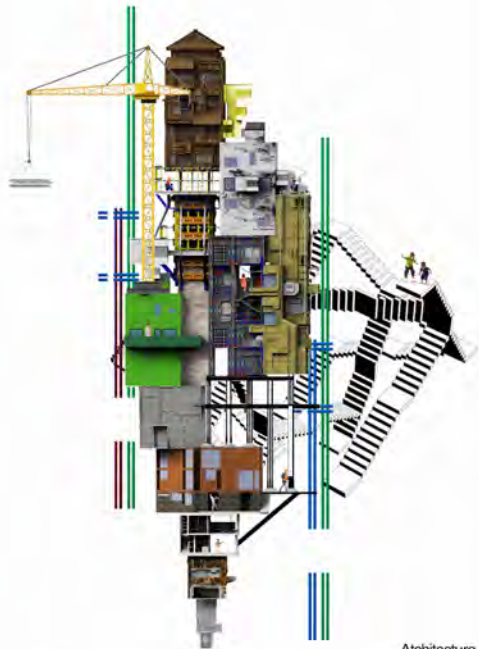
2nd Floor
Dining room

1st Floor
Living room

Ground Floor
Porch



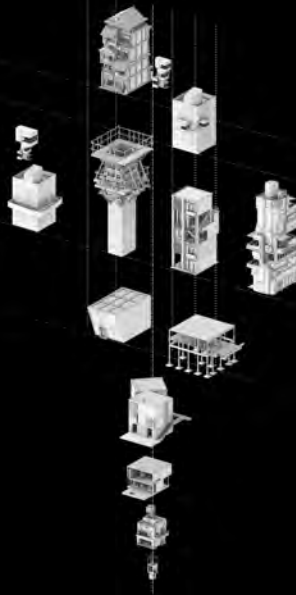
Upgrade 1 (sqm) house for people who have land ownership together



Architecture Facade



Architecture Facade



Exploded drawing-14 buildings



Final Brief

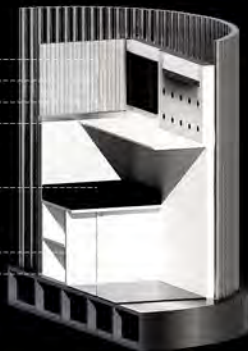


Window
Television
Pegboard
Folding desk*2

Cushion

Sofa&Cabinet

Stool



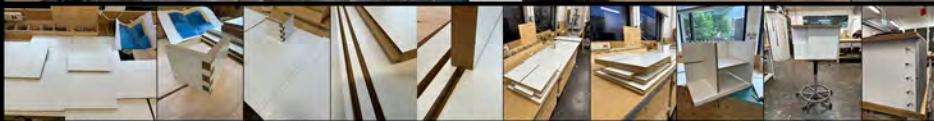
Platform



interior space



sofa/cabinet



pattern of column



pegboard&
paint test



Model-making process

INTERIOR DESIGN.RCA

XIAOJING ZHANG