胡奇轩 HU Qixuan

住在边缘 LIVING ON THE EDGE 泰上村外来务工租客的临时住房和避难所

Temporary housing and shelter for the work-ing migrant population of Zhaishang Village

项目关注厦门外来打工租户,在高密置城中村寨上村面临转迁的背景 下。接过城市贫民居住权缺失与多方利益交互现象。项目以社会正义 的哲学作为理论研究出发点,主张政府业重视权力关系和资源配置。 减少对社会关系网络破坏,实现社会正义。同时项目以表配此临时 安置住房的表现形式,解构原有极质结构。给予人们最大化的自我 资源调配、生存技能学习以及共同社会参与作为解决手段和反映现 象的馀符。

The project focuses on Xiamen's migrant tenants, exploring their lack of housing rights and the interaction of multiple interests amid the demolition of Zhai Shang Village. It uses social justice as a theoretical foundation, advocating for government attention to power dynamics and resource allocation to minimize social network disruption. The project proposes assembled temporary housing, deconstructing boarding house structures to empower tenants in resource deployment, survival skill learning, and social participation.

导师 TUTOR: 陈文捷, Samuel Peen 环境设计 ENVIRONMENT DESIGN









ICI 中華協計版 DEGREE SHOW

Temporary housing and shelter for the working migrant population of Zhaishang Village

01. ZHAI SHANG VILLAGE - A COMMUNITY FACING DEMOLI-TION

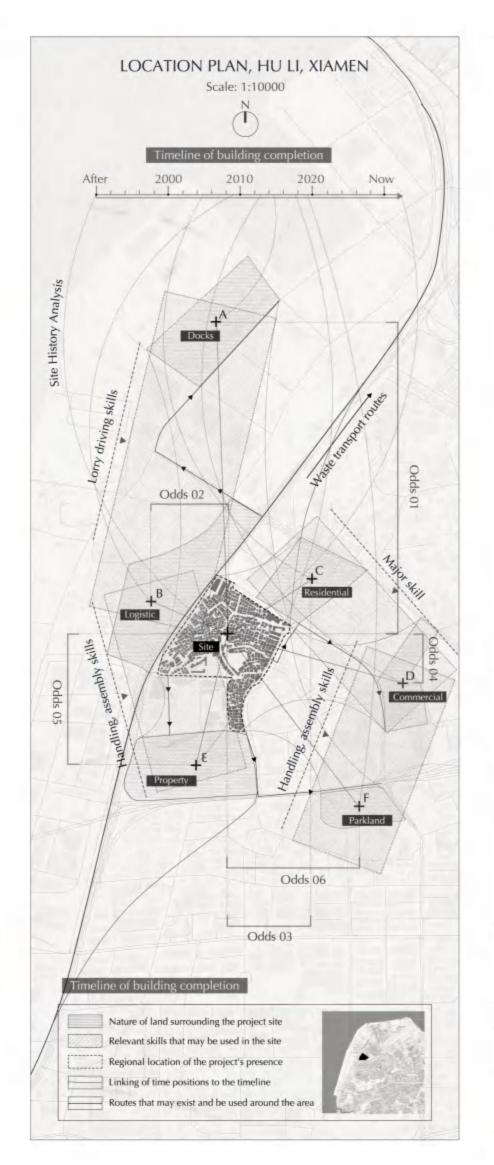


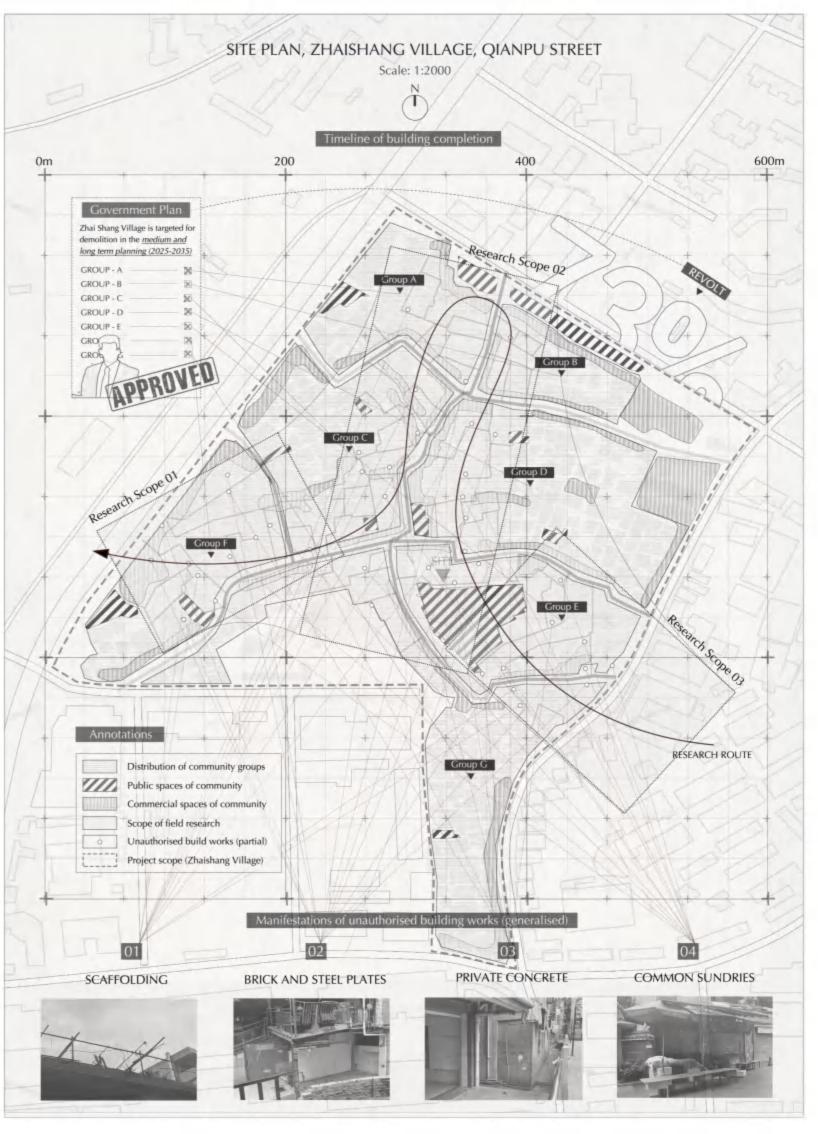
Urban Threshold Phenomenon:

The village of Zhai Shang has the largest foreign population group and is in a state of wandering between demolition and non-demolition, this is due to a large number of demolition costs, population resettlement costs and other reasons. The conflicts caused by this come from the worries of the government and the opposition of the tenants of the foreign population, and the unstable state is difficult to destroy.

The growing number of warning signs and public building violations in the neighbourhood seem like a silent struggle between two groups.

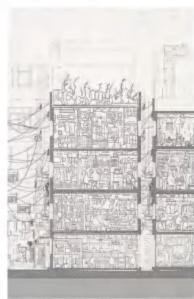
The project proposes a strategy of "increase"-"decrease"-"keep" in an attempt to break this state of limbo, while arguing that in the face of the government's resolution to demolish, tenants have the right to raise the issue of unfairness. It is also argued that in the face of the government's demolition resolution, tenants have the right to protest against injustice and the government has the right to collect and pay for the site. Based on this model, the project, through the excavation and deepening of the public illegal structures, proposes appropriate answers to ease the phenomenon of demolition and re location in Zhai Shang Village, and gives both parties a chance to express their views.





Temporary housing and shelter for the working migrant population of Zhaishang Village

02. RESEARCH - SOCIAL JUSTICE PHILOSOPHICAL CATEGORIES AND EVENTS TO EXPLORE



Self-illustration

The analysis of this phenomenon is that the demolition and relocation of Zhai Shang Village, which is in a state of disarray due to the interference and influence of rapid urbanisation, has resulted in a large number of migrant tenants losing their low-cost accommodation, which the project believes is due to the fact that migrant tenants have lost the right to live in a socially and morally acceptable way due to their social status and their status as a tenant.

The project argues that in this context, migrant tenants are culturally, economically and politically excluded, and that their sense of social justice and identity needs to be re-examined, i.e. that the power structures and modes of knowledge production in the process of urbanisation have led to the marginalisation of migrant tenants. The project argues that urban planning from the government's perspective should focus on power relations and resource allocation, and that marginalised groups need to find a place in urban culture by participating autonomously in complex urban spaces and by constructing 'identities' and 'stories'. A place in urban culture

THRESHOLD PHENOMENON - DEMOLITION AND RE-LOCATION OF ZHAI SHANG VILLAGE

Due to the interference and impact of rapid urbanization, the issue of demolition in Chaishang Village, which is in a chaotic state, ultimately resulted in a large number of migrant workers losing their affordable housing. The project believes that due to their social status and tenant identity, migrant worker tenants have lost their right to housing at the social moral level.



Viewing demolition as an opportunity for urban expansion and economic growth and using it to advance socio-economic goals.





COLONY 2



Seeing demolition as an opportunity to gain access to land and investment, from which there are significant economic

CORPORATIONS



often benefiting financially from compensation provided by governments and developers.

OWNERS



MIGRANT **TENANTS**

Migrant tenants, who often face precarious housing and economic hardship due to inadequate rights and other issues. are the obvious victims.



User Profile of Migrant Worker Tenants (Research)



for Male erly living in a

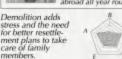
future health and cost of living, and feelings of injustice and helplessness about high rents.



Reaction to the











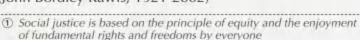
A: Affordability, B: Employment Proximity, C: Health Facility Access

STAGE-01

PHILOSOPHY OF SOCIAL JUSTICE



(John Bordley Rawls, 1921-2002)



(Nancy Fraser, 1947-)

Recognition and participation are key to achieving comprehensive social justice

JUSTICE IN PLANNING



STAGE-1.5

(Ram Koohass, 1944-)

2 "Difference principle"



(Jürgen Habermas, 1929-) ----- Explanation of the rationality

Citizens should reach consensus through rational discussion and use this consensus as a basis for political decision-making

STAGE-02

SOCIAL JUSTICE AND URBANISATION

(David Harvey, 1935-)

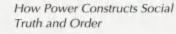
Urbanisation triggers shifts in the social fabric that exacerbate inequality.

"Social Justice and the City"



(Michel Foucault, 1926-1984)





Cities produce surplus goods and absorb excess capital and labor, helping stabilize capitalism.

VIEWPOINTS

STAGE-2.5



(Karl Heinrich Marx, 1818-1883)

Property development in cities and investment in high-yield areas often comes at the expense of low-income neighbourhoods



Power structures and modes of knowledge production in the urbanisation process lead to social control and marginalisation of the migrant population.

THE CREATION OF MARGINALISATION

STAGE-03

IDENTIFICATION OF MARGINALISED GROUPS

In the process of urbanisation, migrant workers face economic, political and cultural exclusion, and their sense of social justice and identity needs to be revisited.



(Henri Lefebvre, 1901-1991)

The capitalist profit-seeking of urban space has led to the alienation of social relations and the alienation of urban dwellers.



(Zygmunt Bauman, 1925-2017)

Individuals face uncertainty in their relationship with the environment

INFLUENCE

(Jane Jacobs, 1916-2006)

Cities are complex and diverse. In urban planning, it's crucial to involve residents and create multifunctional urban spaces.

STAGE-04

CITIES FOR SOCIAL JUSTICE

Urban planning should focus on social justice, equity and transparency in power relations and resource allocation



(Mike Davis, 1946-2022)

Focus on housing, health and work for marginalised groups



(Richard Sennett, 1943-)

"The Culture of the New Capitalism"

To build their own "story" in the city so that outsiders can find a place in the city's culture.



(Stuart Hall, 1932-2014) "Cultural Identity and Diaspora"

Identity is constantly constructed through difference and dialogue

STAGE-05

itive interaction

WAYS TO RECONSTRUCT THE LIVES OF MIGRANT TENANTS

Cheap, spontaneous culture to become more inclusive and harmonious

Maintaining social networks and environments to the extent possible Equal and multiple compromises, pos-

Society should provide friendly assistance to

help them construct their own identity

cheaper living

conditions

Research and theory/opinion derivation process

Temporary housing and shelter for the working migrant population of Zhaishang Village

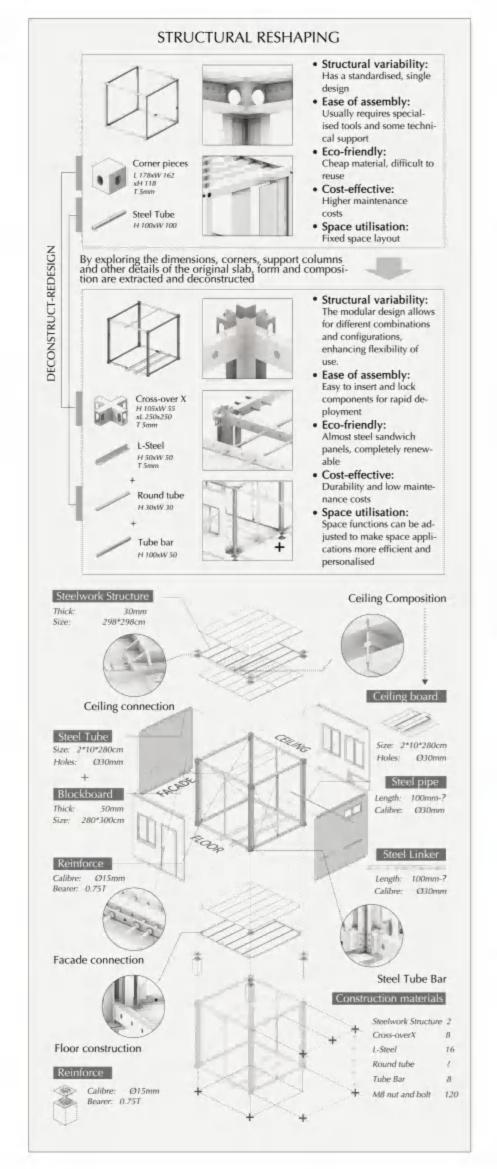
03. TRANSFORMATION OF MORE SUITABLE UNIT-SITE ELEMENTS AND CONSTRUCTION OF MOD-ULES

The project takes the birth and exacerbation of illegal structures in the area as the core of its research, exploring the social tensions in the process of urbanisation and the right to housing of marginalised groups. Illegal buildings not only reflect residents' adaptation and resistance to the oppressive urban environment, but also map the tension between current urban planning and the needs of the underclass. In these spontaneously formed spaces, residents demonstrate their desire for control over their living environment and their pursuit of autonomy.

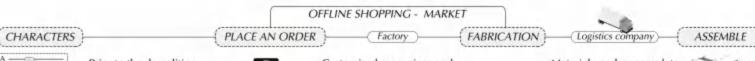
The project begins with an in-depth analysis of the context, structural characteristics and functions of illegal structures in the community, as a basis for rethinking how to transform these informal structures into legal, safe and quality-of-life living spaces. Through a detailed investigation of these illegal structures, the proposal uncovers a profound need for personalised and affordable living spaces.

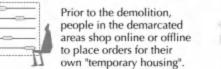
Proposals that are premised on giving people dignity should consider the adaptability and understanding of the site.





CUSTOMISING THE WHOLE PROCESS







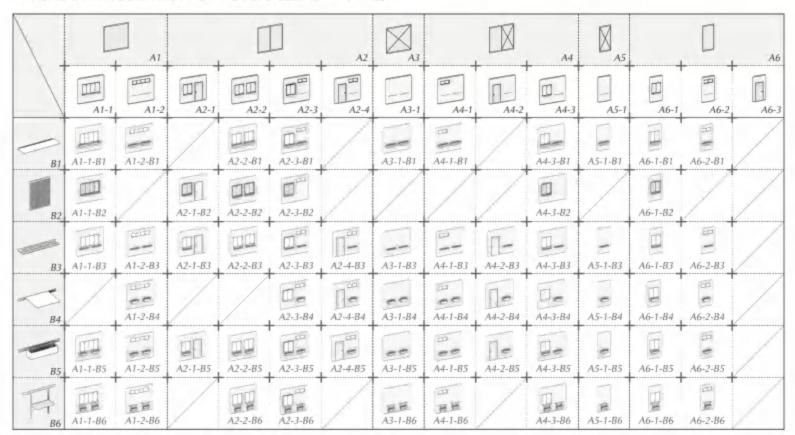
Customised room sizes and furnishings are selected according to the structure of the family, as well as their needs and budget.



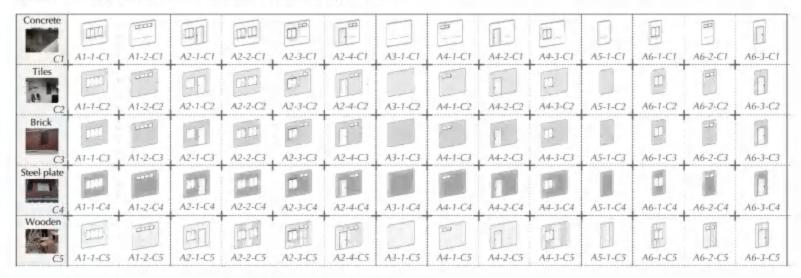
Material vendors complete assembly of base materials and ship to site for pre-assembly and planning pro-



FACADE ARTICULATION OF PUBLIC ELEMENT TYPES



FACADE MATERIAL ELEMENT TYPE - EXTRACTION SITE



Applicants: 1 Person

FUNCTIONAL FURNITURE FOR PRIVATE AND PUBLIC LIFE



Applicants: Temporal

Applicants: 2-3 Person

WASHBASIN
Size: 600*750*750mm
Attributes: Public
Applicants: Temporal

WALL
Size: 350*15*2500mm
Attributes: Private/Public
Applicants: 1-∞ Person

KITCHENS
Size: 1500*600*750mm
Attributes: Public
Applicants: Temporal

Size: 725*200*? mm

Attributes: Private/Public

Applicants: 1-3 Person

ROUND TABLE Size: \$\phi 1500*700mm Attributes: Public Applicants: 5-10 Person TABLE

Size: 750*600*700mm Attributes: Public Applicants: 1 Person

COAT/SHOE RACK

Size: 750*170*1750mm Attributes: Private Applicants: 1-2 Person

Temporary housing and shelter for the working migrant population of Zhaishang Village

04. LIVING ON THE EDGE - CRE-ATING COMMUNITY

We explored strategies to meet the diverse needs of residents through community design, with a particular focus on the process of legalising and functionally transforming illegal structures. These unauthorised structures not only reflect the residents' improvised needs for living space, but also reveal their survival strategies in the face of the pressures of urbanisation.

The design goal is to maintain the foundational role of these structures in the culture of the neighbourhood, while enhancing the safety and comfort of the dwellings. By creating multi-functional public spaces, we facilitate daily interactions between residents and strengthen the ties between neighbours, while providing spatial flexibility and allowing residents to reconfigure spaces according to their collective or individual needs.

In addition, emphasis is placed on residents' right to participate in the design of their living units, allowing them to customise their living environment according to their individual budgets and preferences. This participatory approach enhances residents' sense of belonging to the community and allows each family to customise their home to their lifestyle without sacrificing comfort.

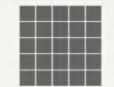
The project aims to create a living environment that both reflects the diversity of its residents and promotes positive emotions and healthy social relationships. This design not only enhances the practicality and aesthetics of living, but more importantly, it reinforces residents' participation and satisfaction in community life, making the community a truly supportive and nurturing platform for its members.



STRUCTURAL RESHAPING



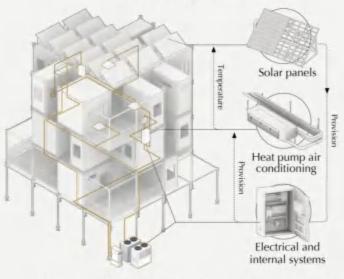




3X3 Small settlements 4X4 Mid settlements (12m*12m) 5 Floors 4 Floors

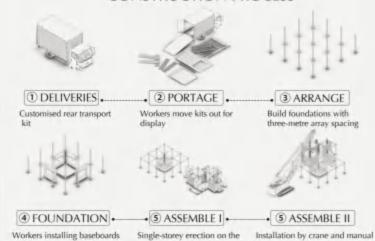
3 Floors

ENERGY SYSTEMS



At the same time, the micro-communities formed after the construction of clusters will be equipped with more public facilities and energy systems ies as an example).

CONSTRUCTION PROCESS



STRUCTURAL RESHAPING

fixing according to the structure

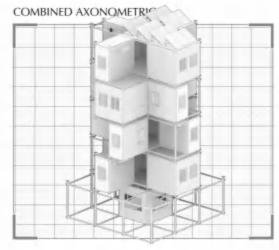
exterior of the foundation

and facades



In such a community, people live in their own customised spaces, and their own influence on the space affects their neighbours, as they participate in and shape the community together. The space on the ground floor is equipped with the use of public space, which serves as a transition between the private realm and the outer space, and also draws in the distance between people in and out of the community, just as it did originally.

3X3 SMALL SETTLEMENTS 1 FLOOR: Water bars, small food stalls, etc. 2-5 FLOOR: Small community- (4-8 Person) 3*3 SPACE TYPE (UNFINISHED): 2-5F-T3

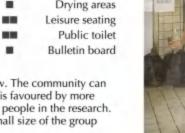


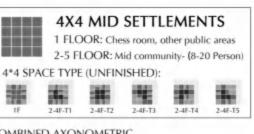
3*3 EXTERIOR AREA ON 1FLOOR



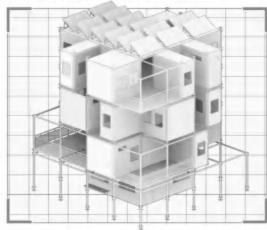
Drying areas Leisure seating Public toilet Bulletin board

For the 3*3 micro-cluster view. The community can host about 4-8 people, which is favoured by more young people and a few older people in the research. The fast-paced lifestyle and small size of the group shapes a light and simple life.





COMBINED AXONOMETRIC

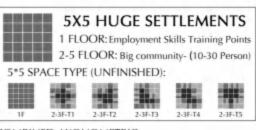


Drying areas Leisure seating Public toilet Bulletin board Public planting

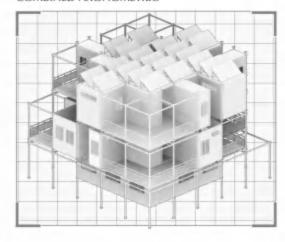
4*4 EXTERIOR AREA ON 1FLOOR

For a 4×4 neighbourhood, it can host 8-20 people. Medium communities are friendly to any age group, while having a comfortable social range as well as being able to host most indoor social events





COMBINED AXONOMETRIC



5*5 EXTERIOR AREA ON 1FLOOR



Parking spaces Drying areas Leisure seating Public toilet Public pavilions Bulletin board Public planting

For the 5*5 community, which can accommodate 10-30 people, the warmth and bustling atmosphere of the research was received with love from the middle-aged and elderly, perpetuating the sense of commu-



Temporary housing and shelter for the working migrant population of Zhaishang Village

05. CREATION OF COMMUNITY **GROUPS**

The design is placed in Zhai Shang Park in Zhai Shang Village, where the layout of the temporary facilities is arranged according to the surrounding village texture. Zhai Shang Park still maintains its original functions and social spaces, and serves as a transition between the new community and the old one.

The new community maintains the compactness of the original community, the elements of the community depend on people's understanding and perception of the community, and the atmosphere and shaping of the community depend on people's co-creation. In such an environment, the role of the designer is that of a facilitator rather than a designer.

In a 6-monthly turnover environment, the community is allowed to create the spatial composition it once had, the learning of life skills is routine, and businesses are spontaneously formed as part of their learning practices.





Site model - white dotted line shows Walled City Park





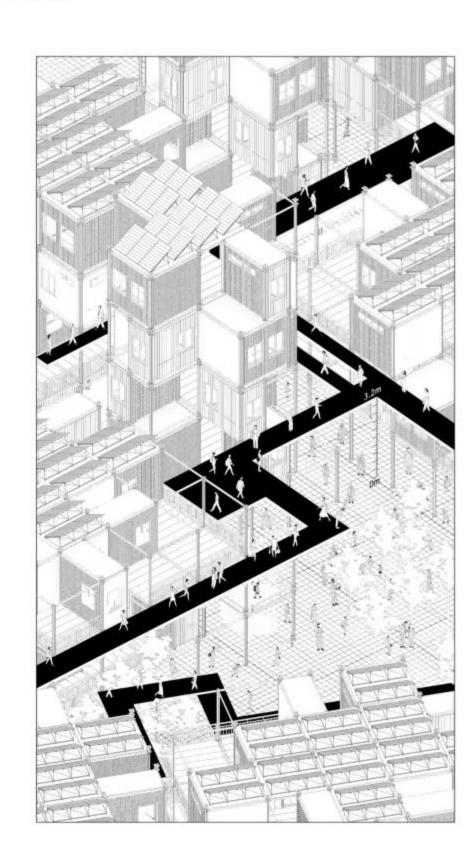




Temporary housing and shelter for the working migrant population of Zhaishang Village

06. BIRD'S EYE VIEW OF THE AREA AND PHYSICAL MODELLING

- 1- The aerial gallery walkway becomes an important component in connecting community happenings, the walkway connects the distance between buildings and the open relationship between the private space upstairs and the public space downstairs. The form of the staircase depends on the position of the rotating staircases between the buildings and the relationship with the central plaza.
- 2 A 1:20 physical handmade model of the project, which represents the project's progression over time and shows the flow of the project as it is being built in the early or middle stages, as well as the connectivity of the project's internal and external layouts. The scale of the model better illustrates the enclosing relationship between interior and exterior spaces a blurring of the boundaries between the public, various and private spheres.
- 3- The 1:5 model of the project, using the original building materials as an alternative display, can better represent the original building materials feel, accurate calculation of the location of punched holes, in the process of assembling to feel the design of a more realistic and solid.

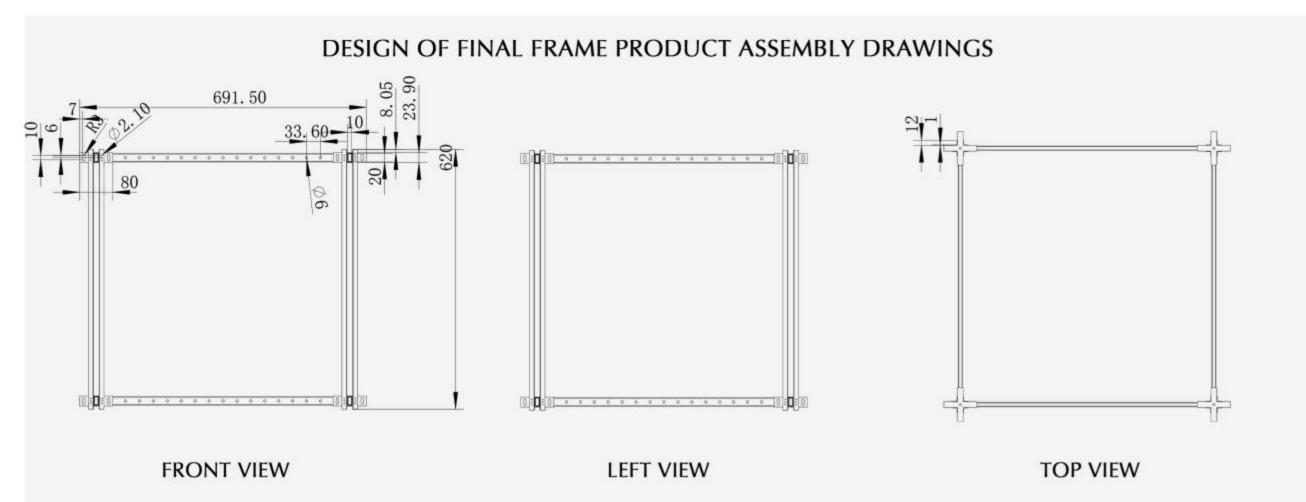


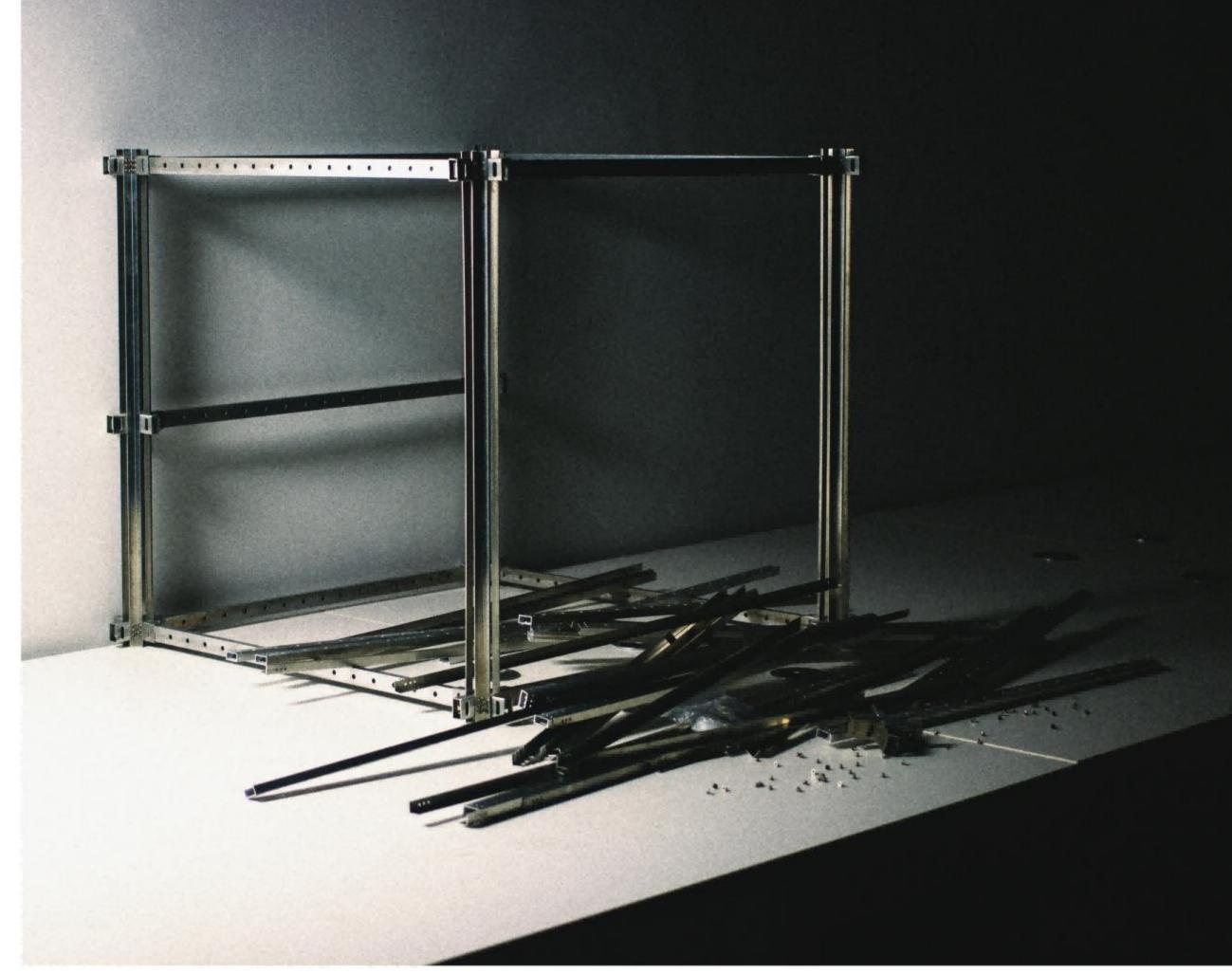


Model name: 4*4 miniature community physical model Scale: 1:20 Use of technology: 3D printing, spray paint, glue stick, plate cutting, circuit control









Model name: Module assembly display Scale: 1:5 Using technology: CNC cutting, hand welding, mechanical skinning, metal cutting, nibbling and punching, screws Material: aluminium, stainless steel Size: 62cm*62cm

Model Intent: To show the details of the original design and the way of assembly, to show the feasibility and stability to the audience.

