



SHUCHANG DONG

PORTFOLIO OF ARCHITECTURE

Applying for Master of City Planning in UPenn
Selected works 2015-2017



CURRICULUM VITAE

SHUCHANG DONG

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EDUCATION

- 2013 Zhejiang University, Hangzhou, China
Bachelor of Architecture
to date
- 2016 Lund University, Lund, Sweden
Master of Architecture
Aug.-Dec.
Student exchange program
- 2013 Zhumadian High School, Zhumadian, China
High School Diploma

INVOLVEMENT

- 2017 Member of the Architectural Society of China Student's Affairs Committee (SAC-ASC)
- 2016 Leader of the Etiquette Team of Zhejiang University League Committee
- 2015 Core member of Photography Department of Qiushi Tide
Member of Gemdale Club
- 2014 Member of the Student Union of Zhejiang University (ZJUSU)

HONORS & AWARDS

- 2016 First-Class Da BeiNong Scholarship
Scholarship for Outstanding Students
- 2015 Second-Class KIN LONG Scholarship by KIN LONG Company
Outstanding student leaders of Zhejiang University
Scholarship for Merits
Scholarship for Outstanding Students
- 2014 Scholarship for Merits
Scholarship for Outstanding Students

WORK EXPERIENCE

- 2017 DnA_Design and Architecture, Beijing, China
Architectural Intern
- 2017 XD Architects, Beijing, China
Architectural Intern
- 2016 Zhumadian Architecture Prospecting and Designing Institute
Zhumadian, China
Architectural Intern

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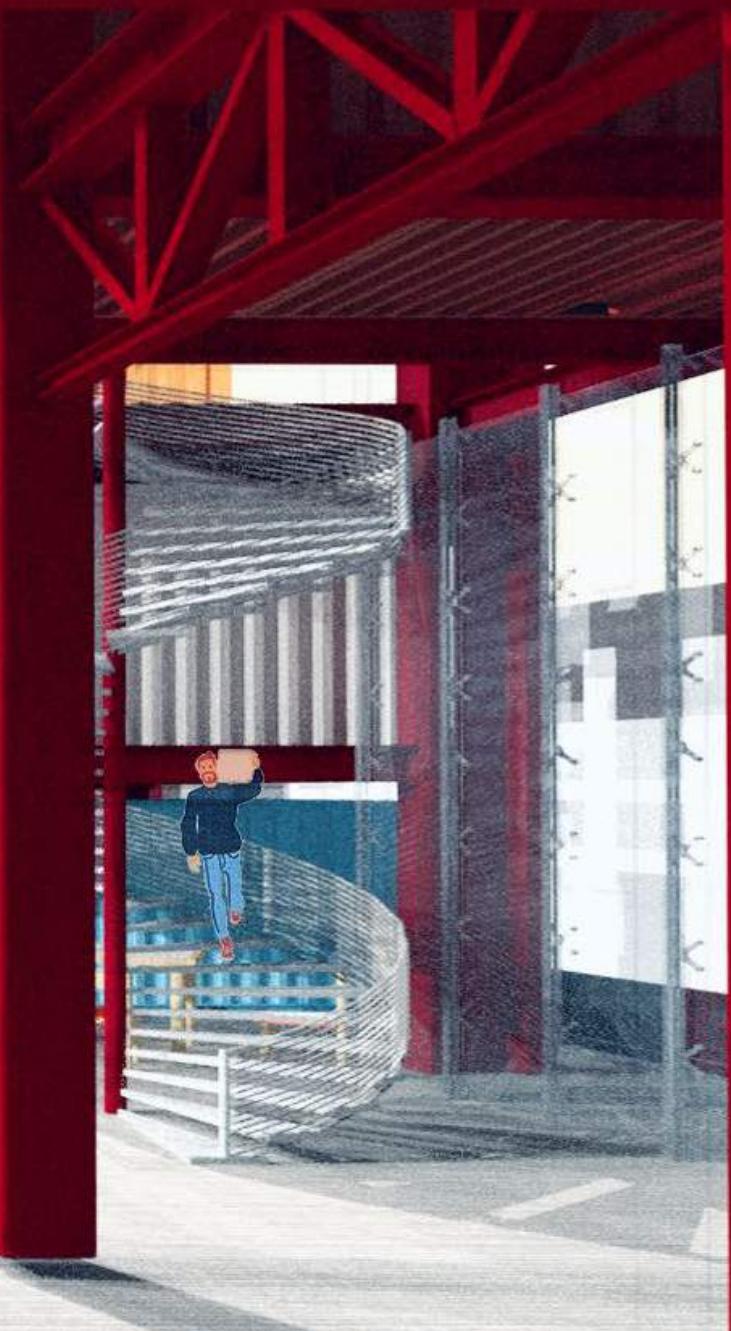
Future work space design

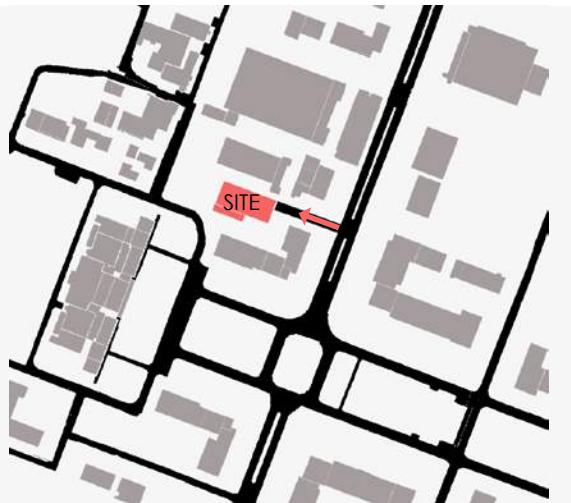
43 ADDITIONAL WORKS

VOYAGE

11/2015-1/2016, 8-week studio work
Mentor: Yue Wu Group work
Individual rework

This is a reconstruction project which transformed a structural lab located in Yuquan Campus of Zhejiang University into a student start-up center. This project is named after "Voyage" in hopes of that this place would be a ship which contains the dream of the young entrepreneurs and set their sail.





Built in the 1950s, the No.6 teaching building has been one of the historical buildings in Yuquan Campus today. The pigeon-like hip stone is one mark for the architecture built in 1950s.



Built in the 1980s, the Yuquan library is the land mark of Yuquan Campus. The library was taken as a masterpiece of the architecture in Yuquan.

The No.5 teaching building is another historical building built in the 1950s in Yuquan Campus.

The No.3 teaching building, built in 1955, is the biggest teaching building in Yuquan. The symmetrical brickwork facade is a remarkable feature of the buildings in that period.

Built in 2012, the Zhiqian building takes into account the surrounding environment and the rental of architectural groups.

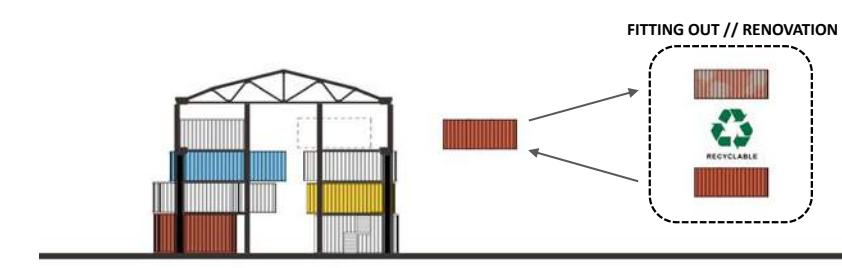
Badminton Gym Center.

Run Run Shaw Stadium, a comprehensive sports center for students.

Zhejiang University, one of the universities that have the highest entrepreneurial rate in China, offering numerous start-up platforms and incubators for student entrepreneurs.

Yuquan Campus where the science and engineering faculty locates, is the most historical campus of Zhejiang University. In the central part of the campus stand a group of buildings that are originally built in the 1950s. The structural lab locates in the right part of the central area. However due to the removal of the College of Architecture and Civil engineering, this lab becomes unused gradually.

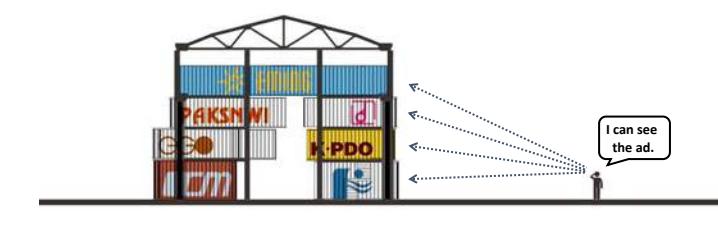
To introduce a place to help the students get start, I transformed this structural lab into a bright, colorful start-up center, which is distinguished from its historical surroundings. It represents for the young and courage. I hope it will be a ship containing the dream of the young entrepreneurs and sailing to the distance.



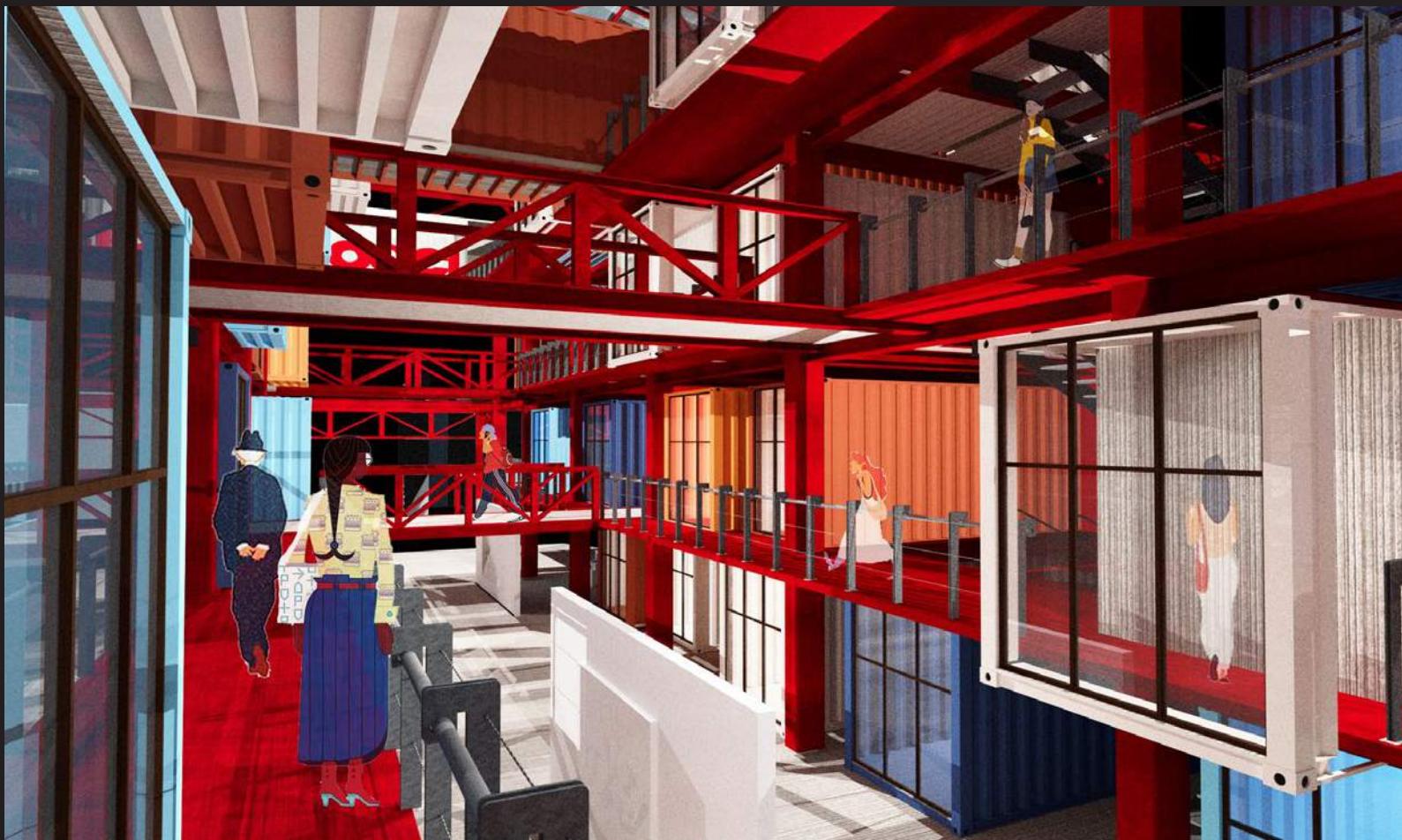
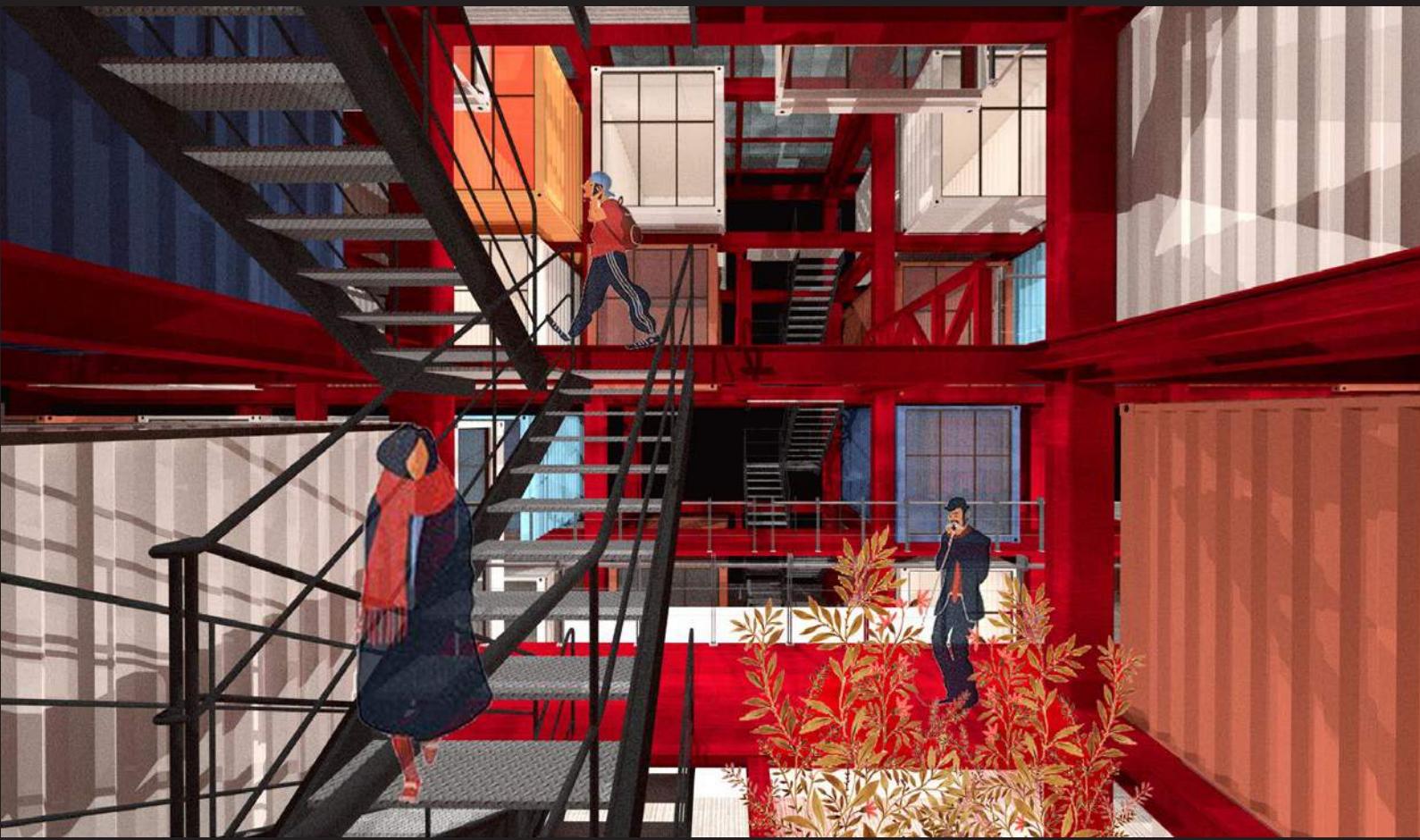
Removable & Recycling Containers



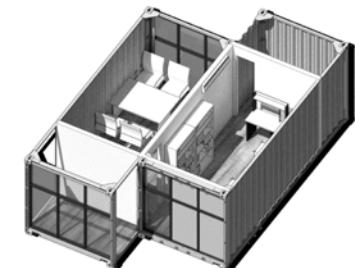
Personalized customization offices



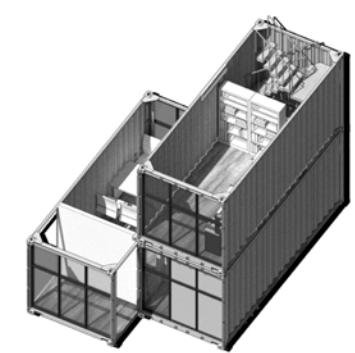
Ads-wall facade which drawing attention



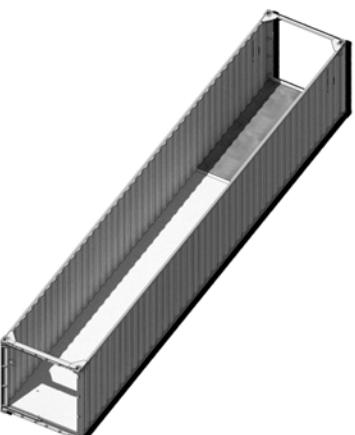
20' Container Office for 2-3 members group with one office and one bed.



Double 20' Container Office for 5-6 members group with an office, a meeting room and a bedroom.

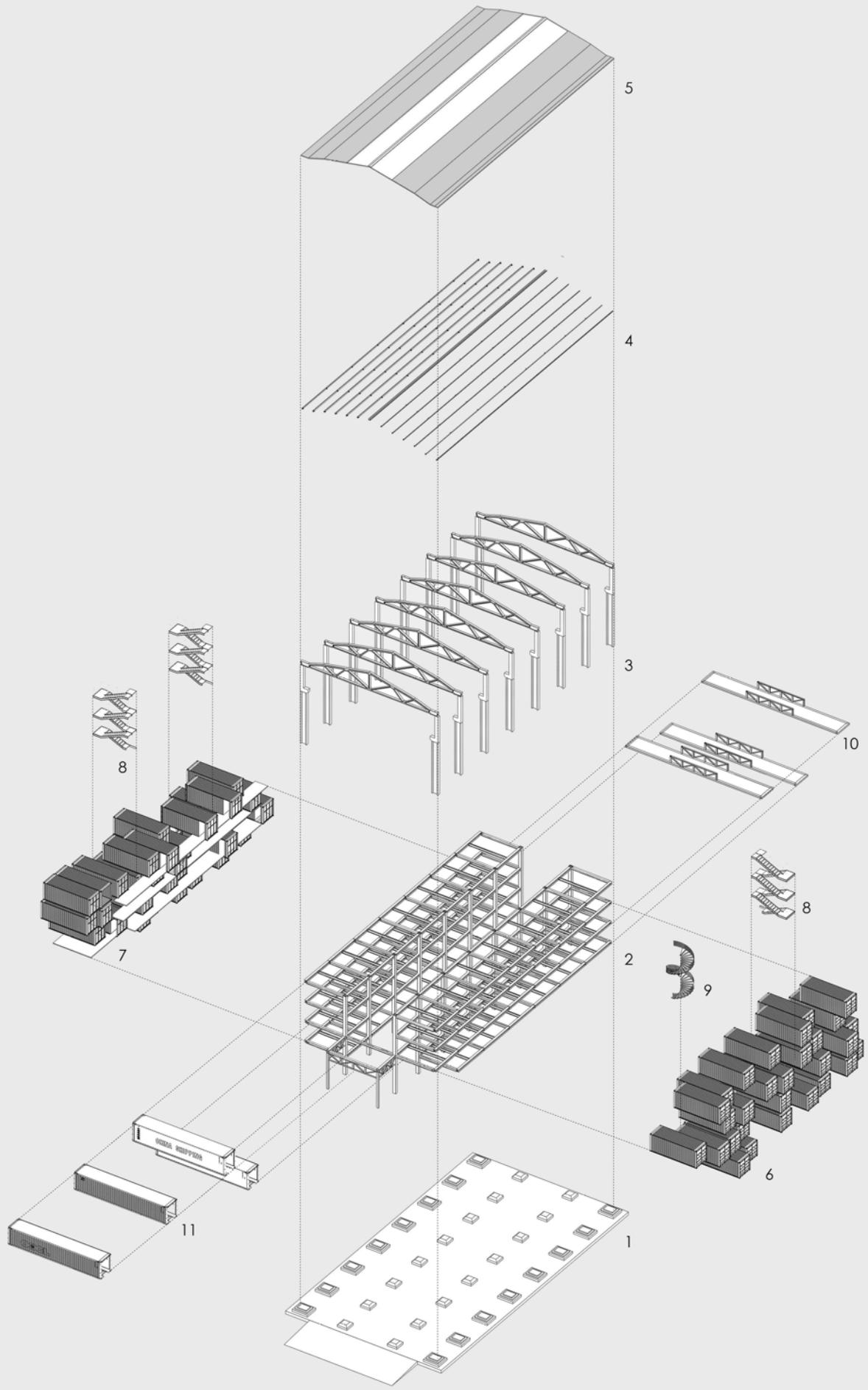


Trinal 20' Container Office for 5-6 members group with two offices, a meeting room and inner stairs.

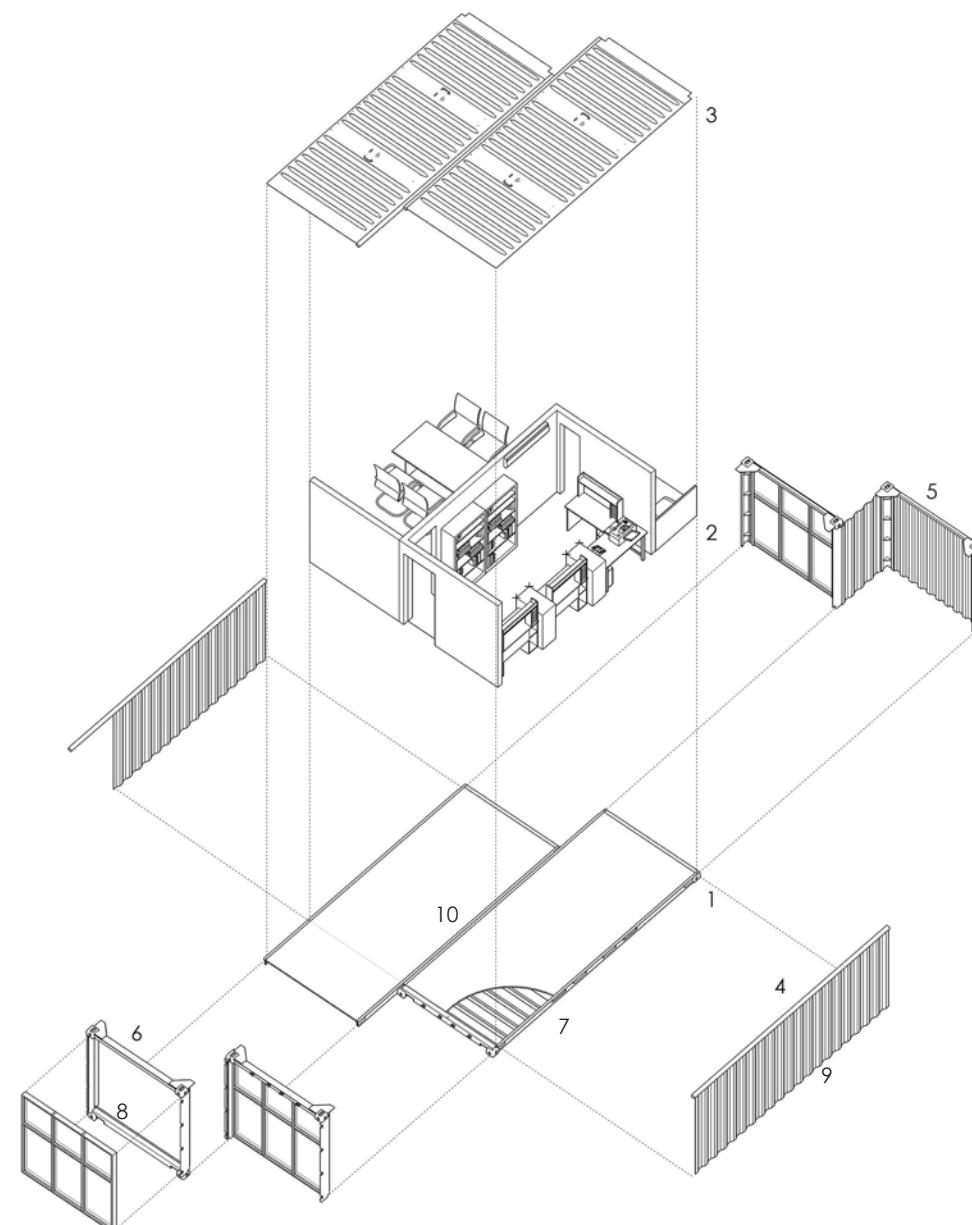


40' Container corridor linking the two sides.

- Single Container Office
- Double Container Office
- Trinal Container Office
- Cafe and Retail Shops



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Left:

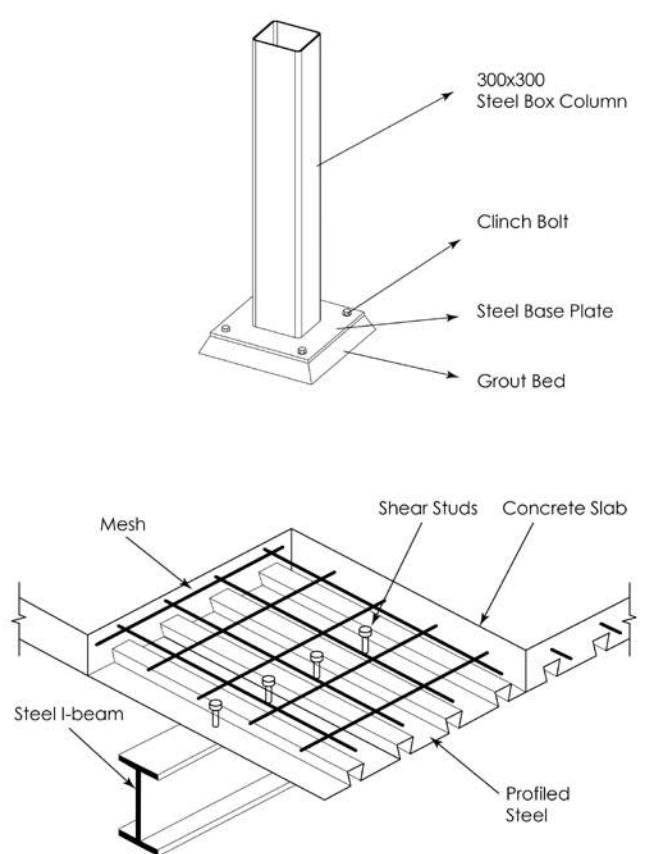
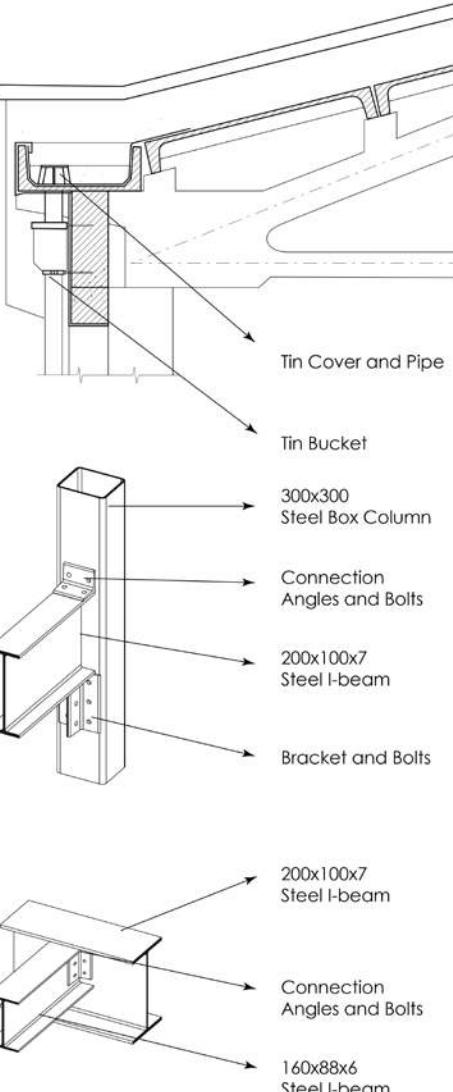
- 1. Reinforced Concrete Foudation
- 2. Newly-built Steel Structure
- 3. Original Structure
- 4. Steel Roof Purline
- 5. Roof Layer
- 6. Container Houses
- 7. Lengthways Corridors
- 8. Steel Stairs
- 9. Spiral Stairs
- 10. Corridors Linking the Two Sides
- 11. 40' Containers Linking the Two Sides

Right:

- 1. Bottom Side Rail
- 2. Partition and Furniture
- 3. Roof Panel
- 4. Top Side Rail
- 5. Endwall Panel
- 6. Rear End Frame
- 7. Cross Member
- 8. Glass Curtain Wall
- 9. Sidewall Panel
- 10. Flooring



Perspective Section



LOST IN SAIL

9/2017 - 10/2017 Competition by ARKXSITE
A site theater on Baleal island, Portugal
5-week Individual Work

The Site Theatre aims to create a new cultural destination and provide a place for open-air performances to enhance the experience within the landscape. The Site Theatre is a place to engage with the land, the sky and the sea, where performers and audience are both participants and observers while the landscape becomes a natural scenic venue.



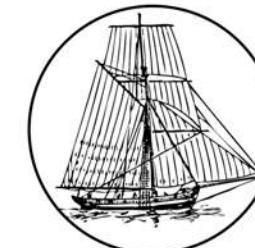


The Baleal Fortress is a significant landmark located within a remarkable place; a powerful natural scenery where the remains of the fortress rise from the landscape and, together with the cliff surfaces eroded by the wind, are notable features within this setting. The wider area is also popular with surfers and body boarders due to its many beaches and suitable waves.

To respect and celebrate the dramatic site, I extracted four basic elements from the surroundings and mixed them in my concept: *lost in sail*.



Waves



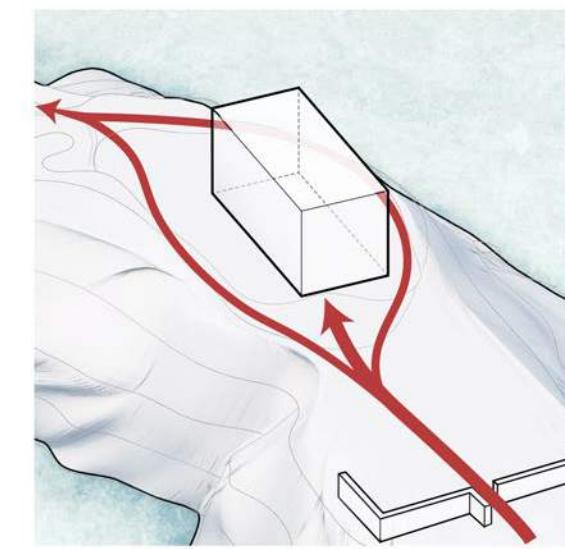
Sail



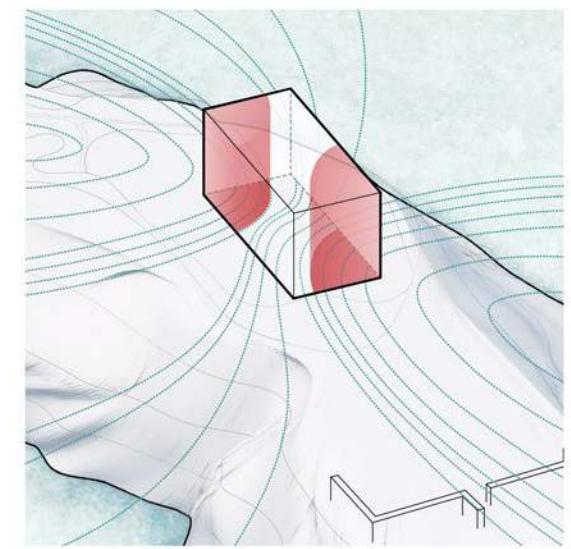
Eroded Rocks



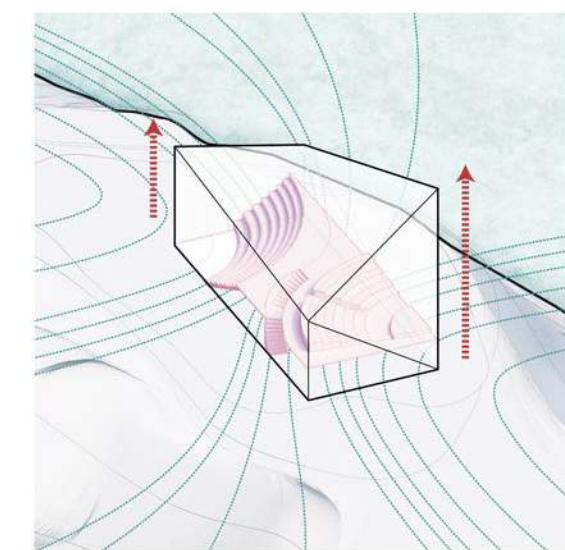
Music



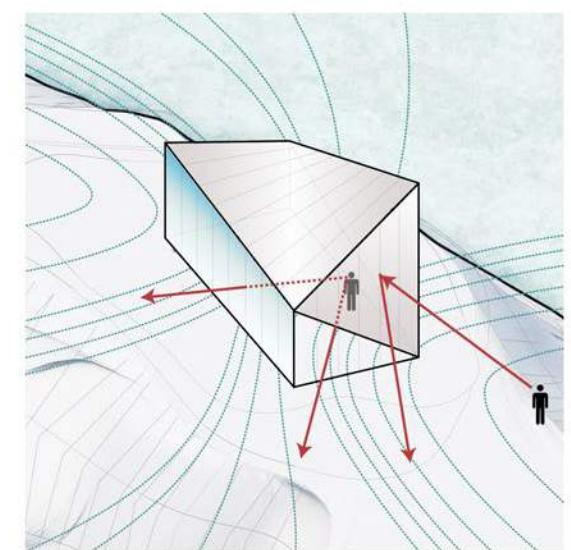
Main entrance and pedestrian road



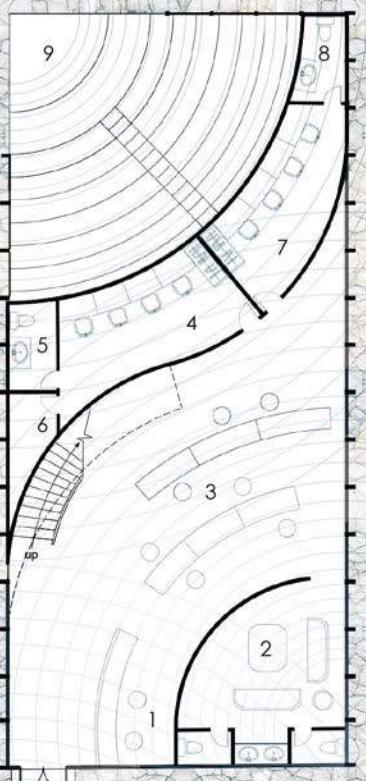
Waves define the inner logic



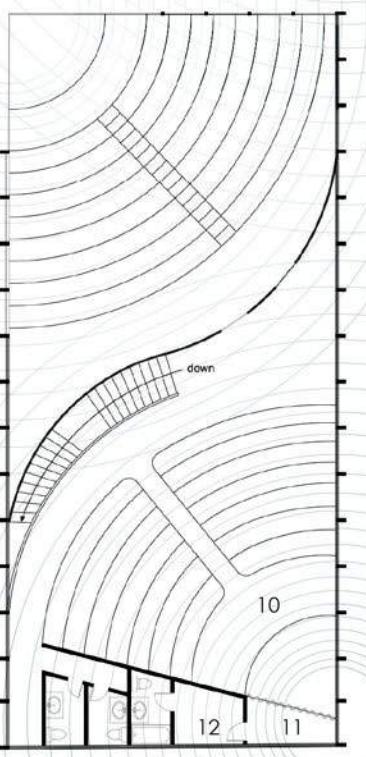
Up rise the two corners due to inner function



Vanishing and reflecting



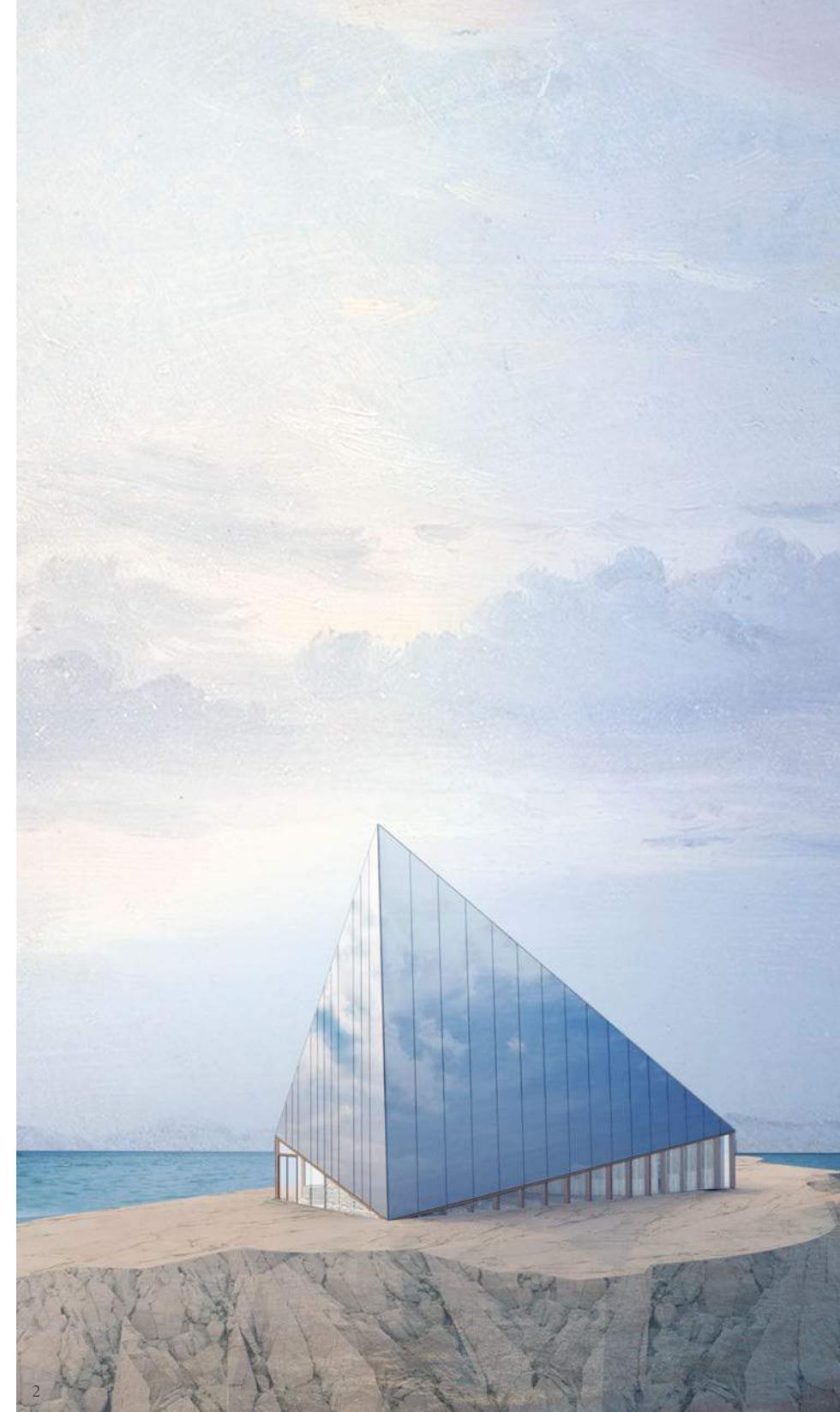
1st Floor Plan

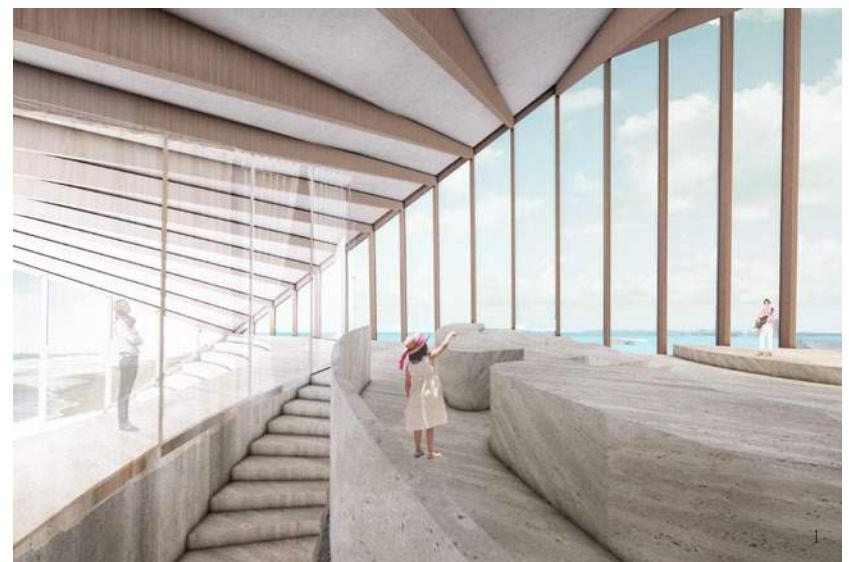


2nd Floor Plan



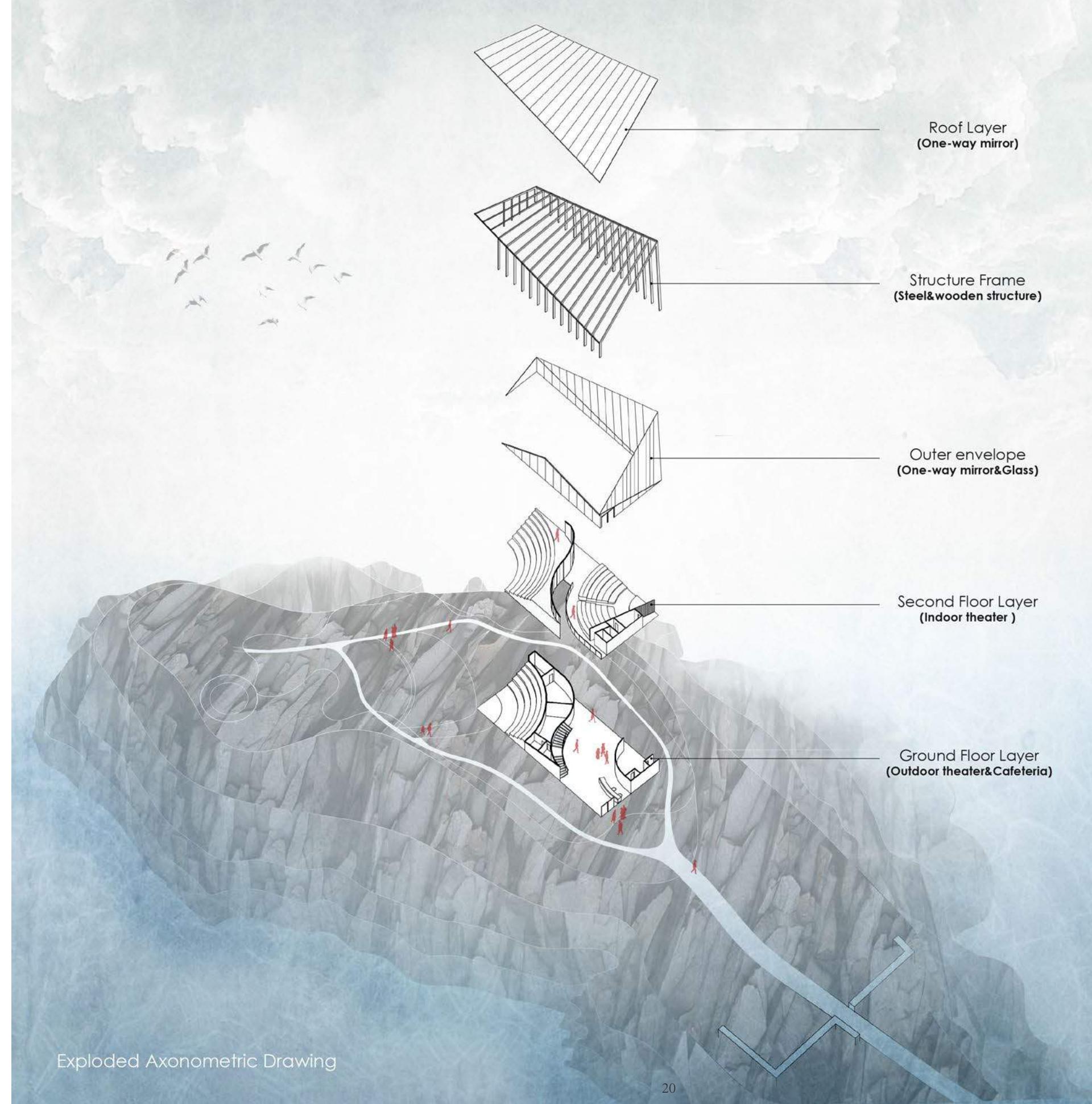
1. The outdoor theater towards the sea
2. The facade of the theater is made of one-way reflecting material





1. Indoor Theater: The facade of the building is made of one-way reflective material, which makes audiences able to enjoy the maximized surrounding coastal views while listening to the music.

2. Theater Entrance: the entrance is connected to the cafe, with glass curtain walls on both sides.





Break Through

3/2016 - 6/2016, Mentor: Yue Wu
This studio is divided into two parts: the first period is field study which requests group work. The second period is concept design which is individual work.

In our site study of this area, Luo's Village is described as narrow, depressive and lack of energy by the locals. What is more, the village is isolated from the outside by the bounding walls. Hoping to breakthrough the current restrictions and physical isolation, I choose the area where lays on the boundary and introduce a stadium to this site to promote communication and help to reduce pressure of the locals.



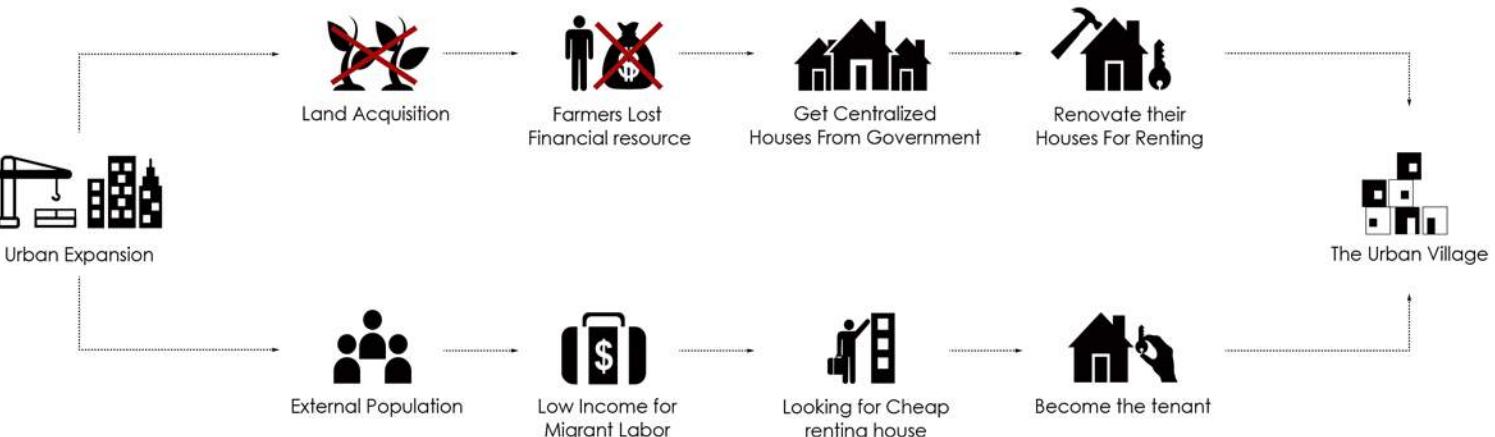
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STAGE ONE : FIELD STUDY

Drawings and photos that are not created by me will be marked ***.

I HISTORICAL EVOLUTION

How does the urban village come into being?



Four important stages of Luo's Village

● 1990
The construction of a unified third floor community.
Sponsor: The Government

● 2000
The local resident started making a living through renting, resulting in the houses were divided into small parts by additional partitions.

● 2009
Due to the new policy on the local farmers, they became more reliant on rental income. Renovation and extension of the original buildings started

● 2015
Demolishing of the self-built additional part of the buildings.
Unifying the facade.
Sponsor: The Government



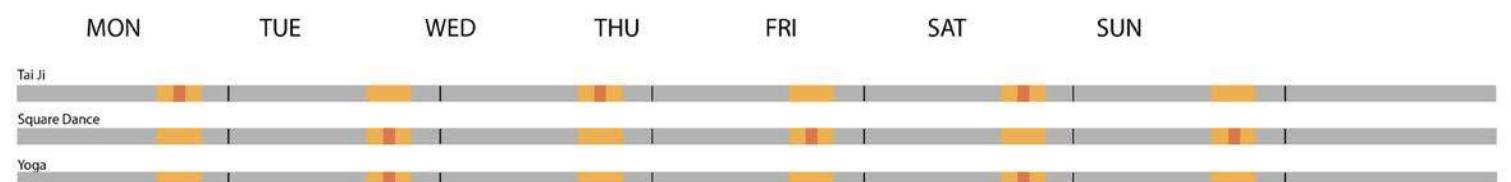
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POPULATION AND LIFE

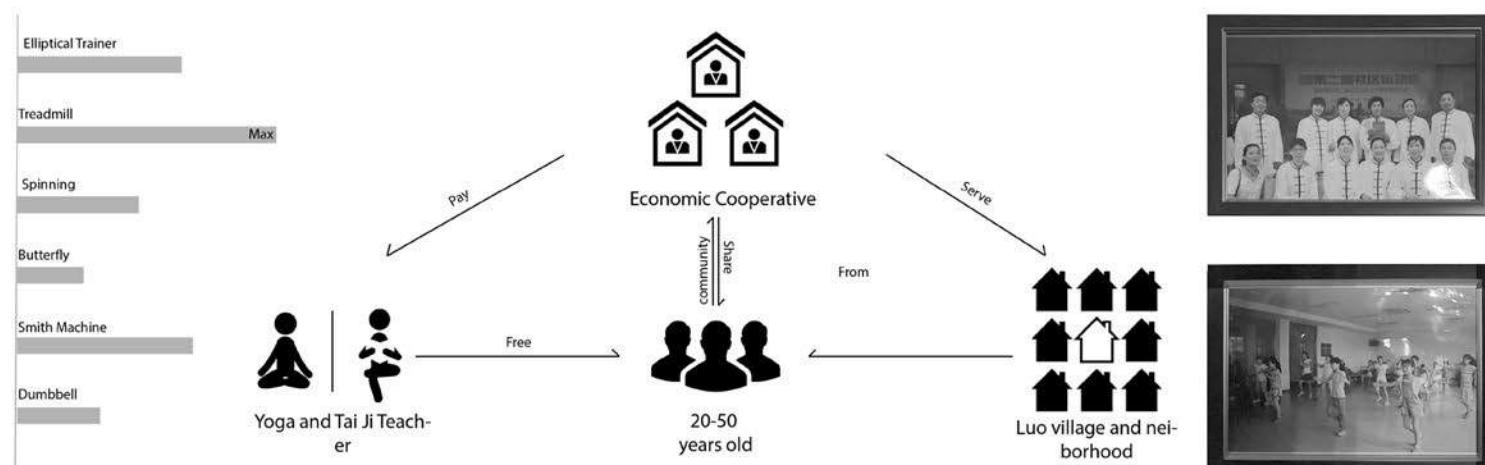


Two main sports activities of the local residents: Rowing the dragon boat & Playing Tai Chi

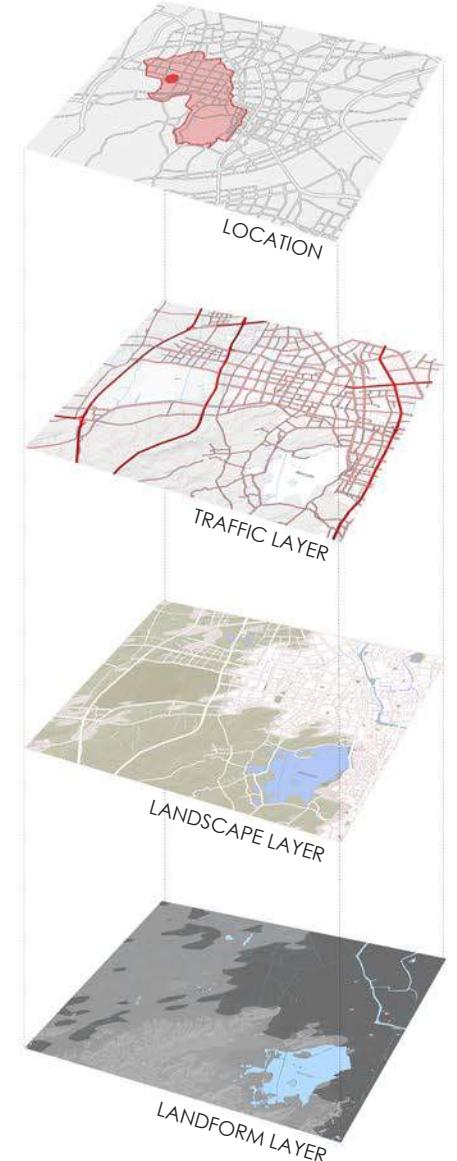
A SURVEY OF THE LOCAL GYM



OPEN TIME : 17:00/winter
18:30/summer
CLOSE TIME : 21:00
CLASS TIME : 18:30-19:30



SITE ANALYSIS

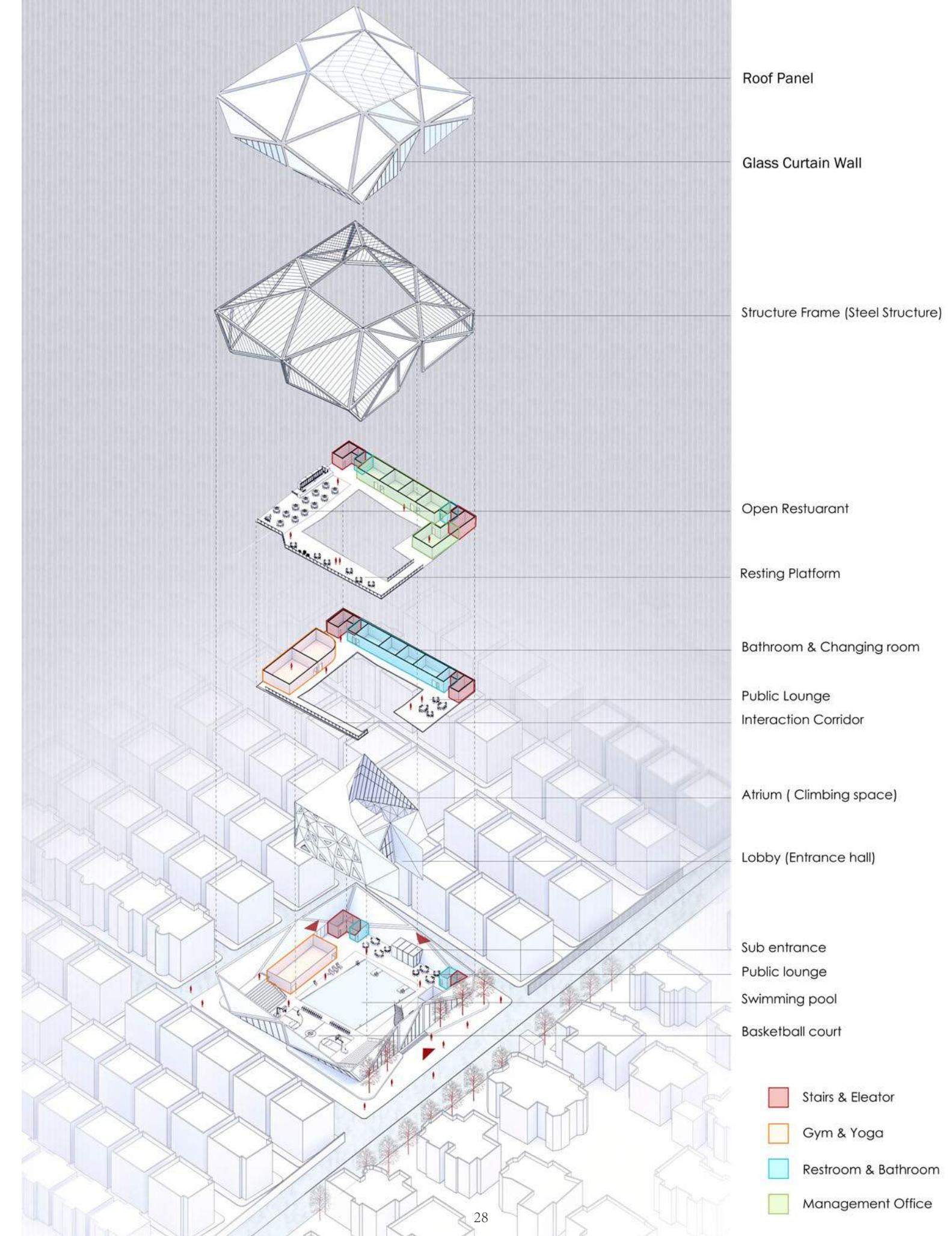
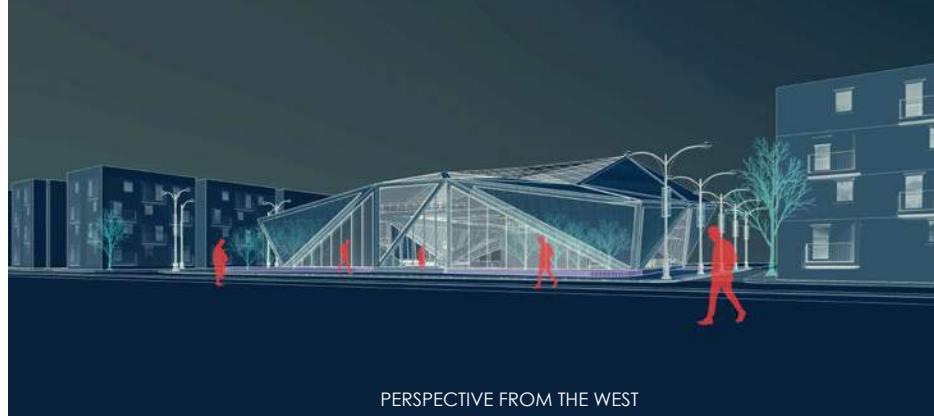
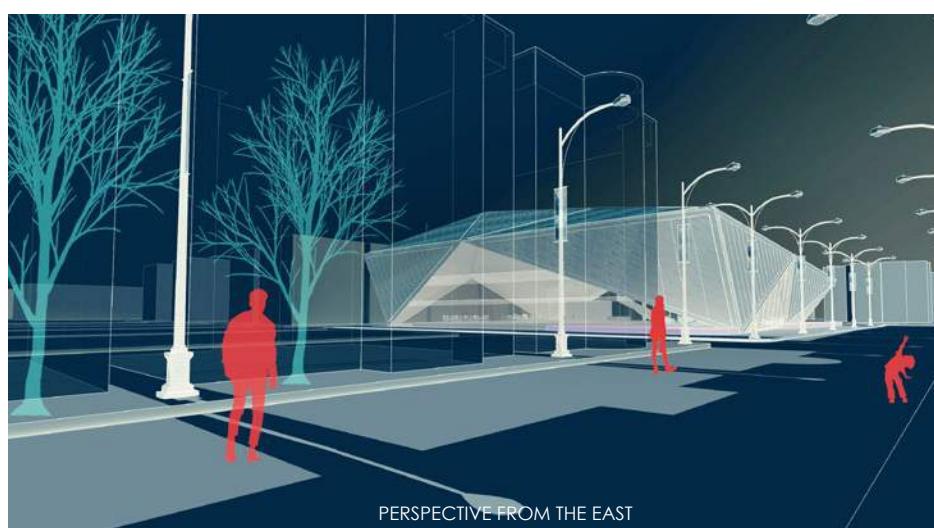
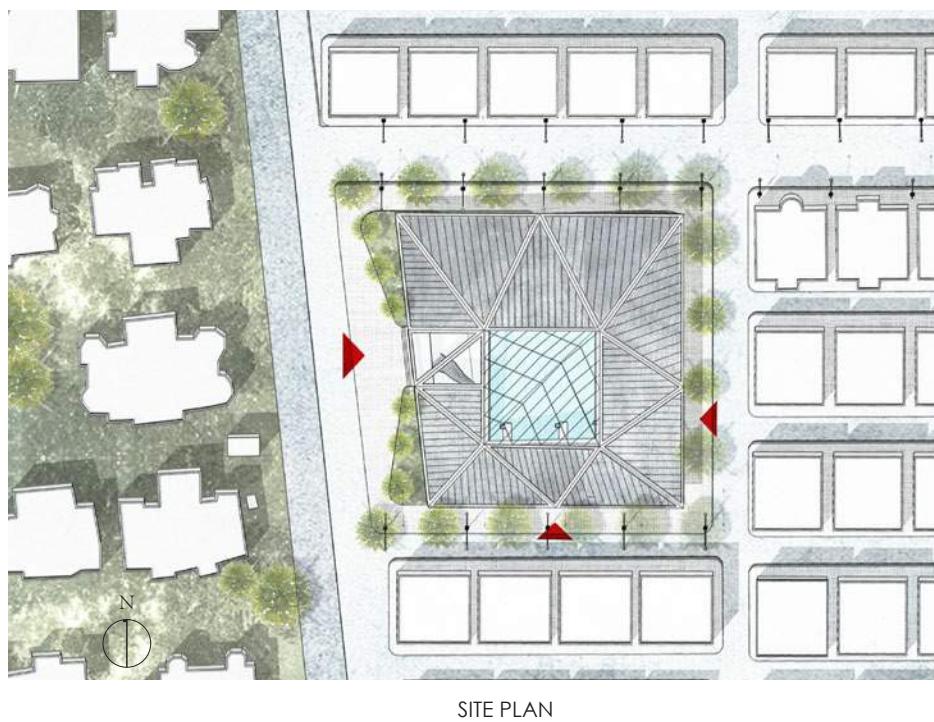
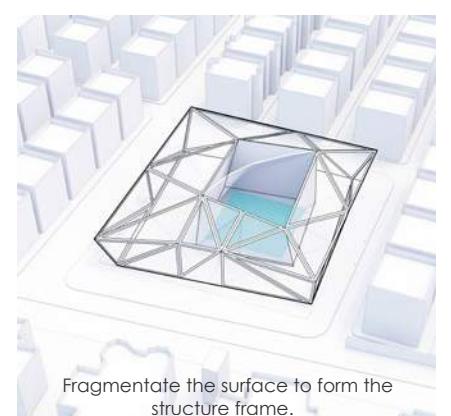
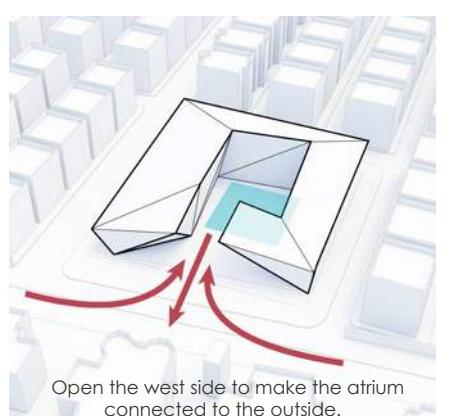
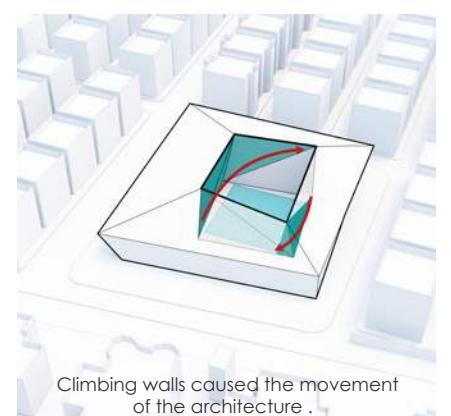
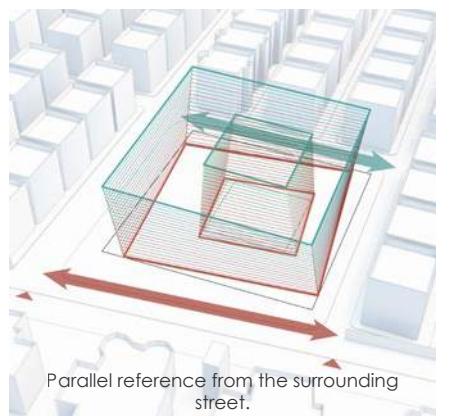


Intervene Area
Bounding Wall



The uniform facade of the buildings.

STAGE TWO: CONCEPT DESIGN





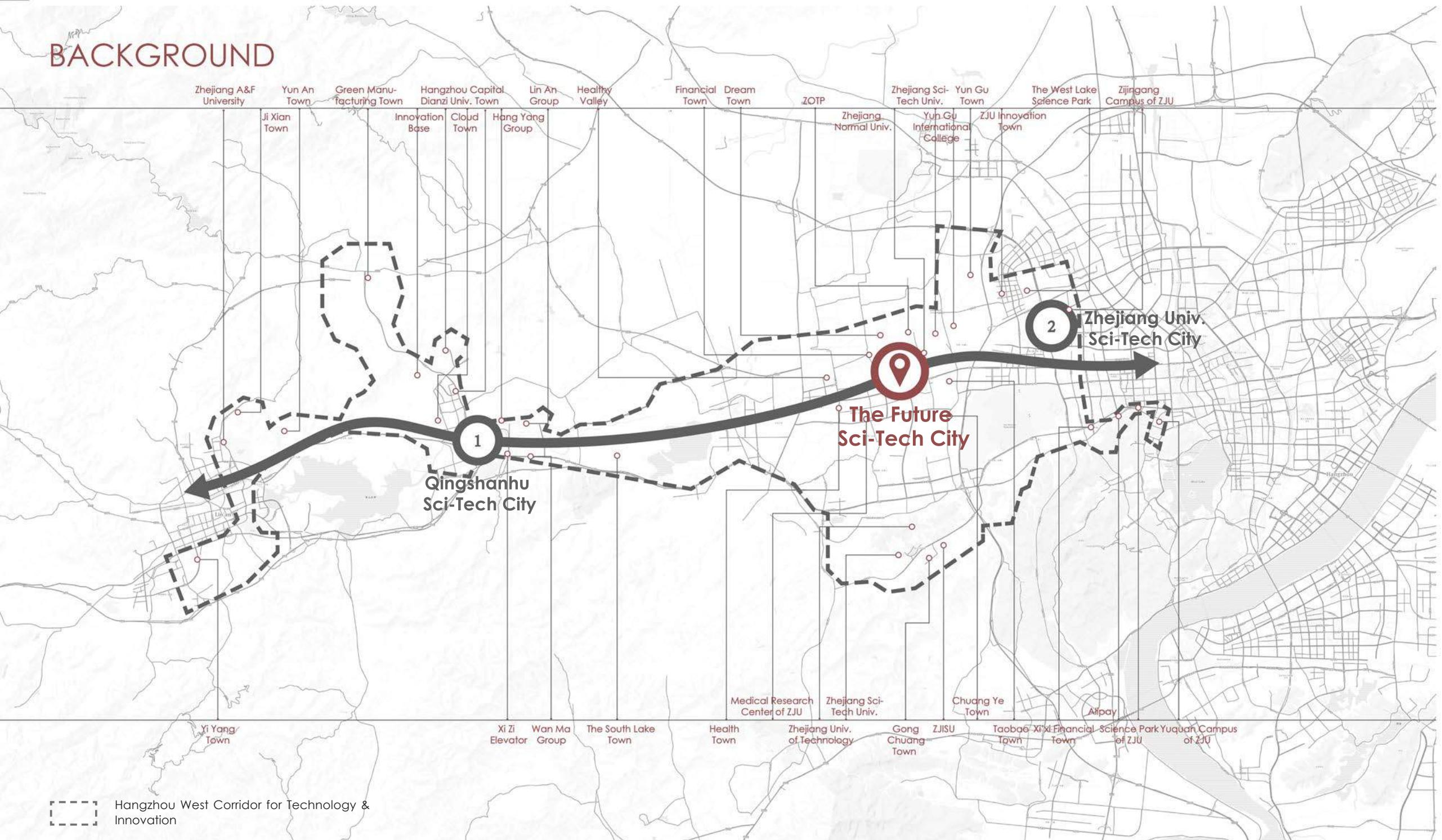
LUCID CITY

3/2017 - 6/2017 Joint Studio with Cornell University
 Group Members: Shuchang Dong (group leader)\Sukruti Gupta\Manisha Rayaprolu\Lulu Liang\Xiaoyu Yang
 Mentor : Yue Wu, Ying Hua

The imagination of future cities has been a most abundant source of fantasy for human kinds. Nowadays, we find ourselves in such a fast-paced era where every microscopic detail is subject to evolution at unexpected rates: the 'Internet Plus' (Industry 4.0) has altered people's way of consumption and living. What will the urban space in Hangzhou evolve? How will the working mode and lifestyle be like? This project is our response.

Drawings not produced by me will be marked **.

BACKGROUND



Hangzhou is one of the most vibrant metropolises in China. Thanks to the success of a group of innovative companies headed by Alibaba and the constructive influence of a series of profound global events like G20 that are happening there, the city is on the track to play a leading role in the evolution of Chinese cities. The site chosen for this studio locates in the so-called "the Future Sci-Tech City", which is a central part of the "West Corridor for Technology & Innovation". There is a high expectation on realizing the tremendous potential of the site.

Hangzhou West Corridor for Technology & Innovation, part of the overall urban planning structure for Future-science Area of Hangzhou City is located in the western part of Hangzhou. Along the corridor, there are a number of universities and research institutes, where talents gather together and create endless innovative ideas. Meanwhile, a range of high-tech enterprises, special towns, innovative financial institutions and start-ups, such as Alibaba, Zhejiang Overseas High-level Talents Innovation Park and "The Dream Town" are rooting in this place. Abundant talents and enterprises clusters are about to turn Hangzhou West Corridor for Technology & Innovation into a promising incubator for scientific and technological innovation.

SCHEDULE

STAGE ONE

Feb. 27
Pre-field study to the site.
Case study & Literature review on the topic of famous Sci-Tech Park.
(Group work)

Mar. 10
Field trip to Alibaba & the Dream Town.
Raise proposal on the working mode and space features of future work space.
(Group work)

Mar. 31
Concept poster design to show what character each individual values most in the future work space.
(See details on the title page)
(Individual work)

STAGE TWO

Apr. 3
The team from Cornell University come to Hangzhou. Field study to the Zhejiang Overseas Talent Park.
Select one concept poster in each group for further discussing and development. (Group work)

Apr. 7
Raise up complete plan for the site.
Make concept models.
Task for Cornell Team: strategy design and sustainability analysis.
Task for ZJU Team: Urban planning and design according to the concept and the background.
(Group work)

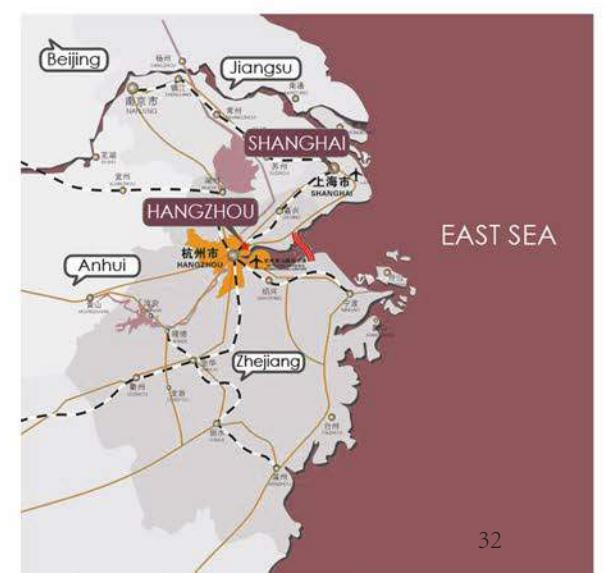
May. 6
The ZJU team come to Ithaca.
Seven-day workshop to further develop the

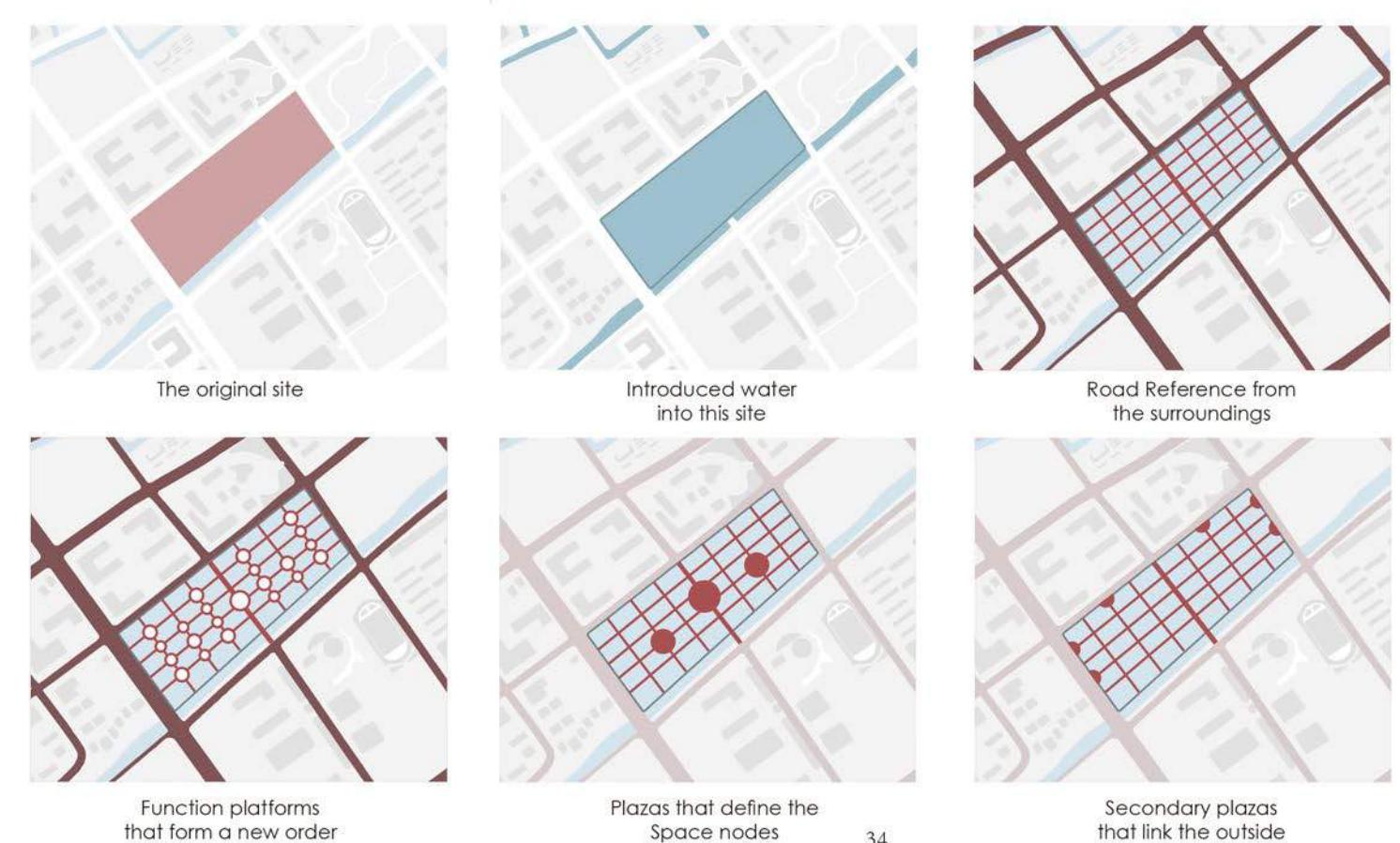
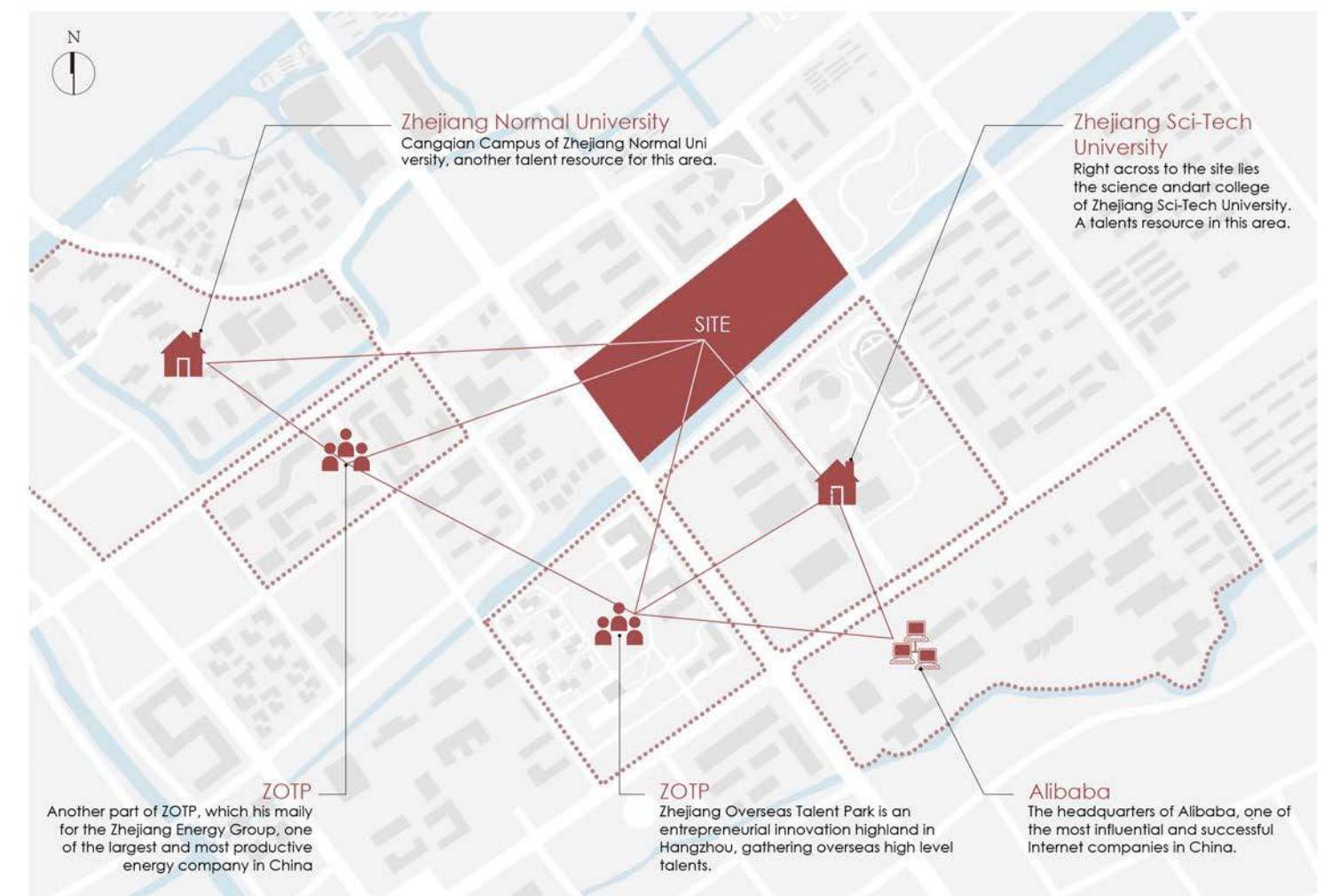
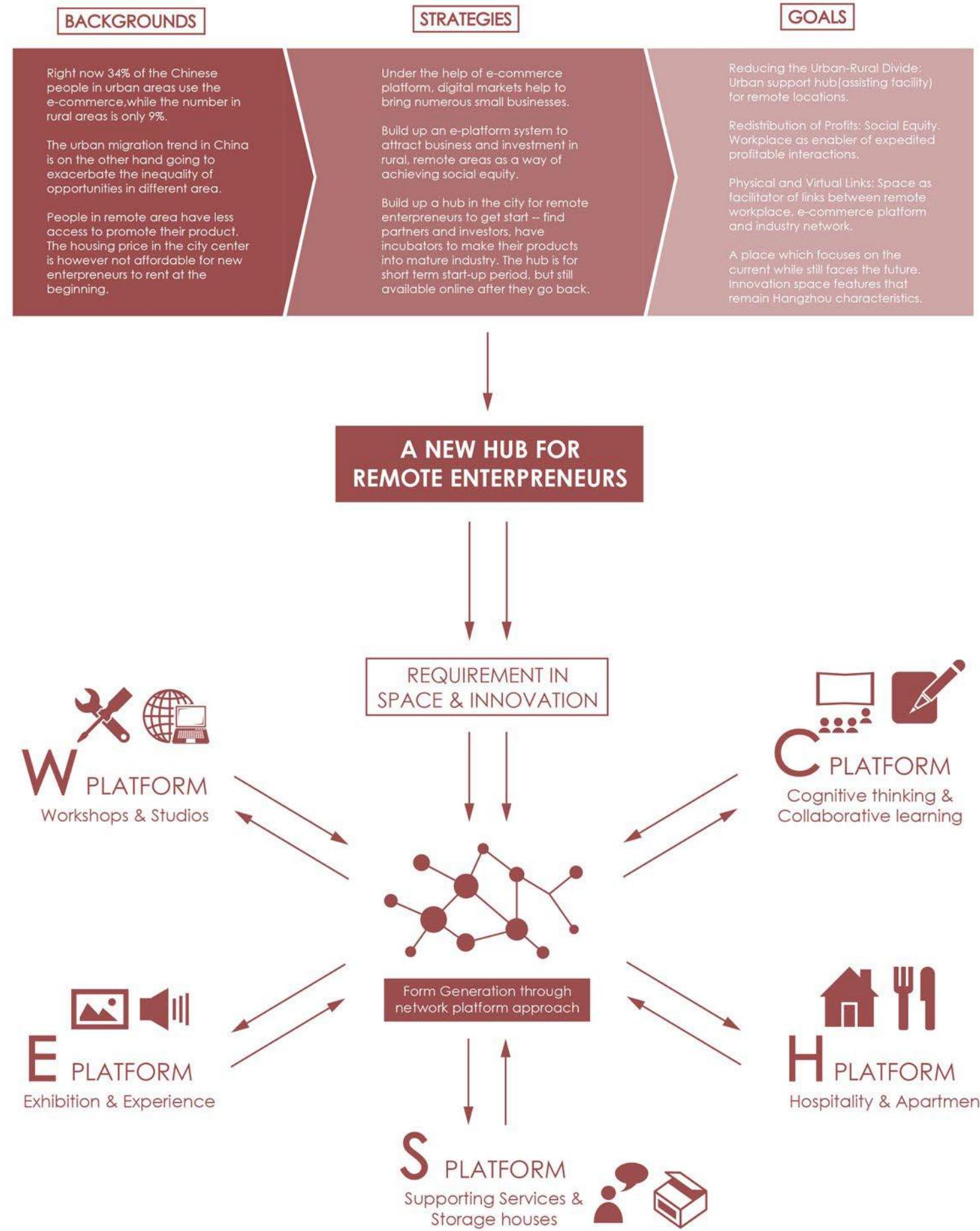
May. 16
Midterm Review @Cornell University.

STAGE THREE

May. 31
After back to China, the ZJU team will take several seminars to discuss the problems raised in the midterm review and make modification on the design correspondingly.
Complete drawings and models.

Jun. 23
Final Review @Zhejiang University





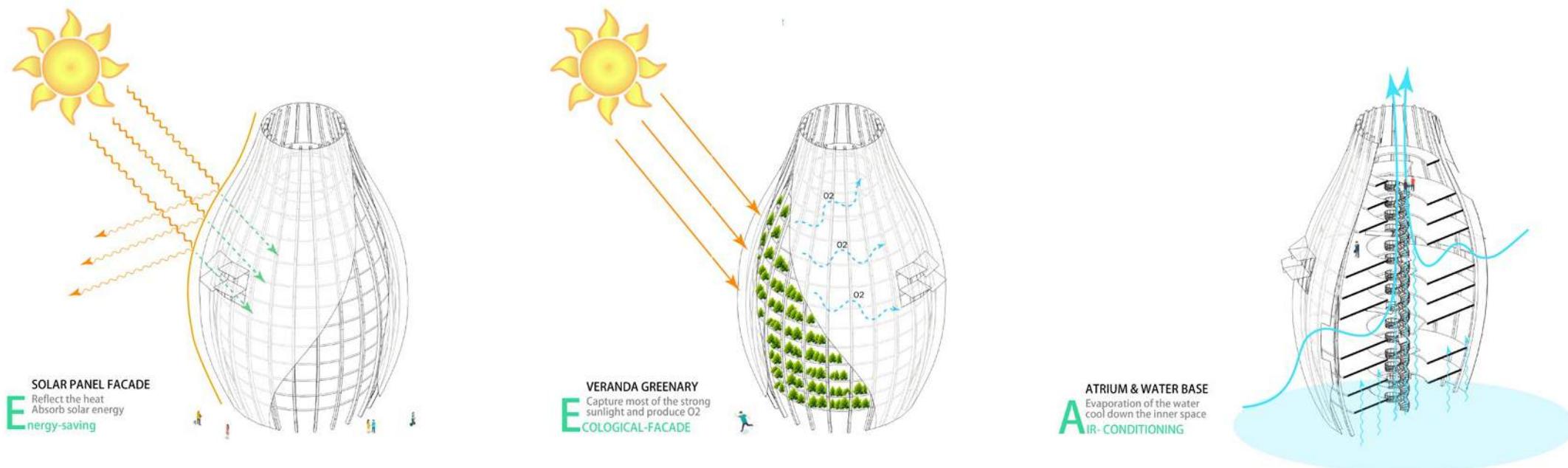
CONCEPT DESIGN

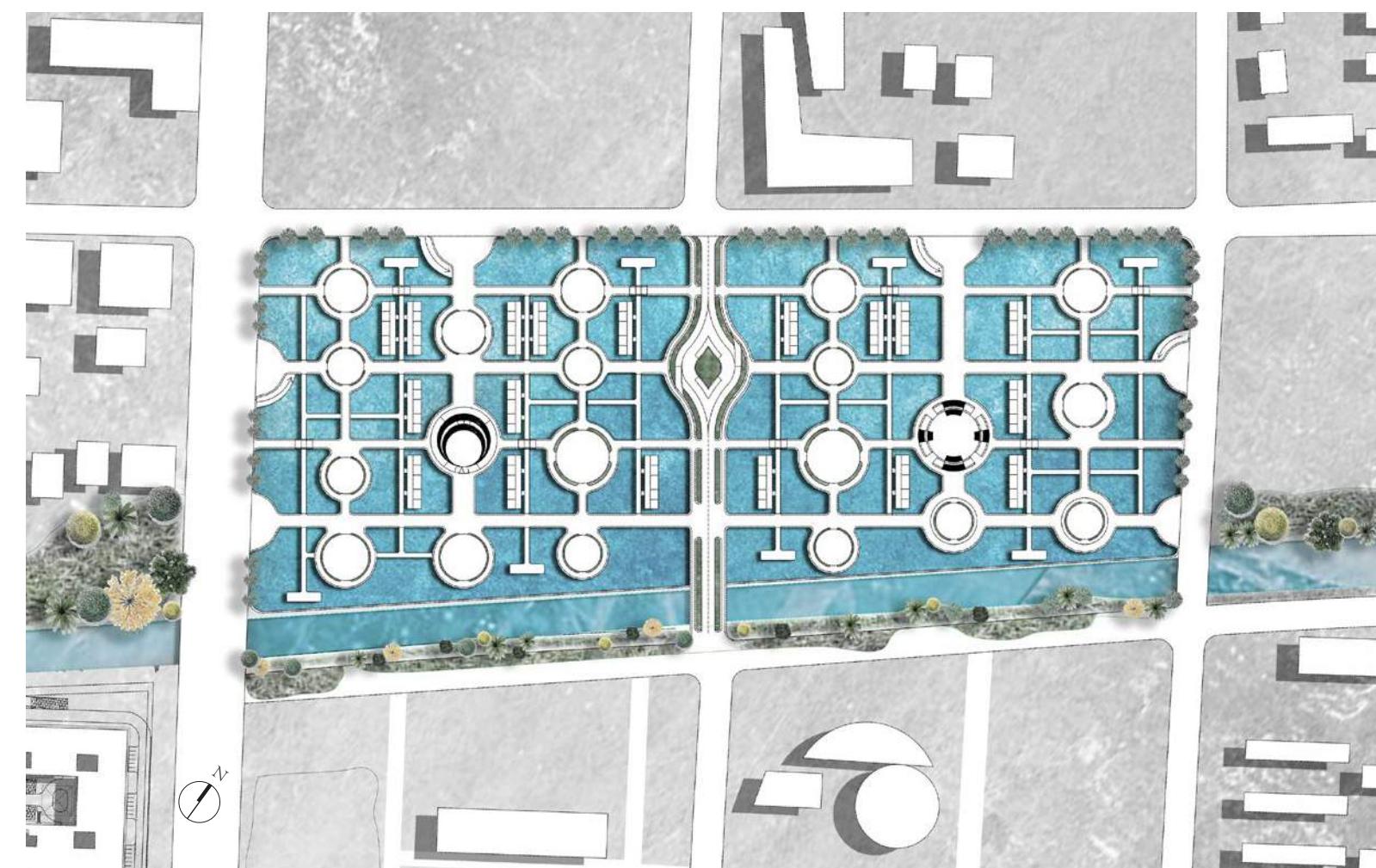


"The person who I miss is somewhere beyond the water."

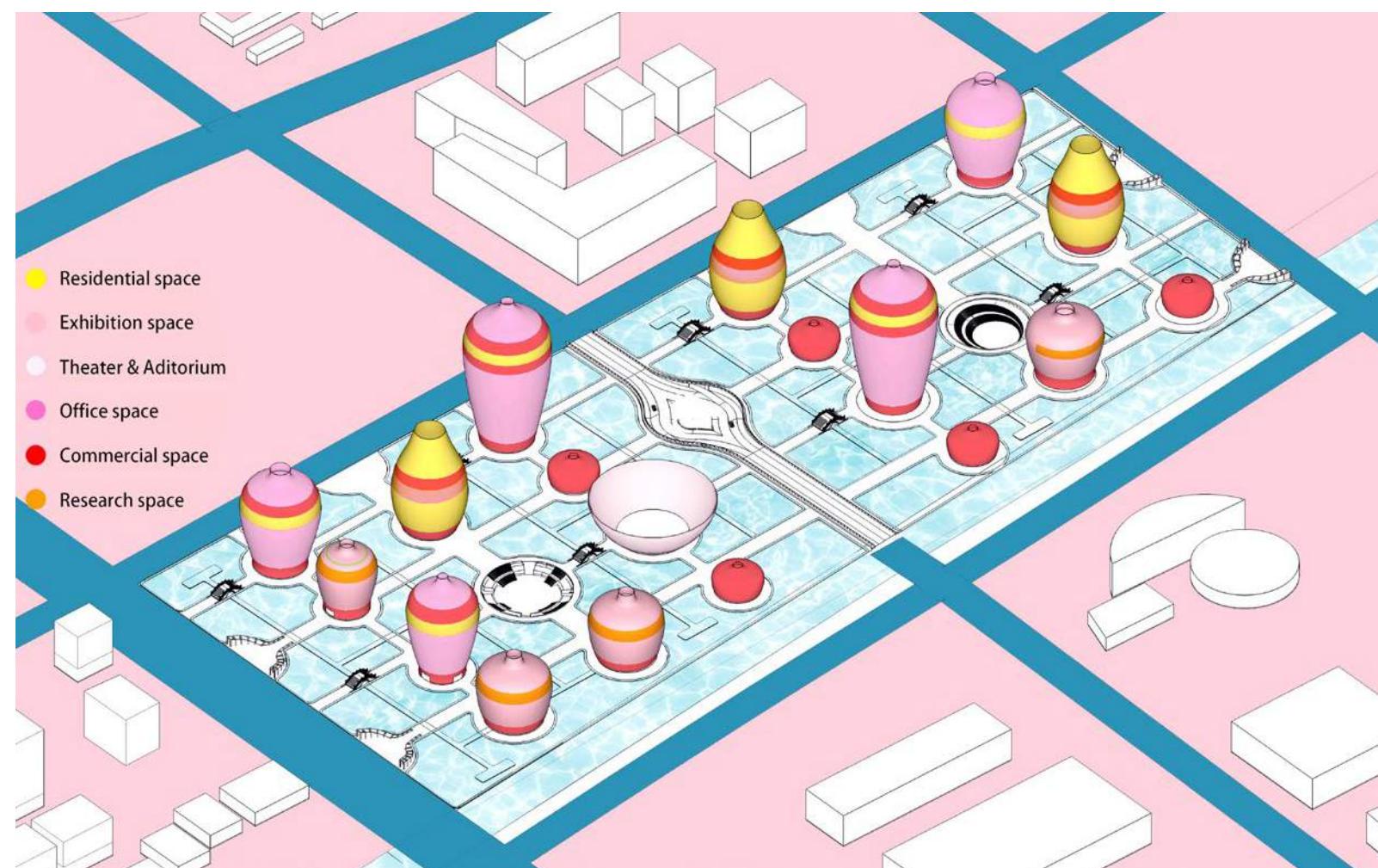
This is an old Chinese poem that sings for dreaming lover. Similarly, this park is also an idealization work place for people living in the suburb of Hangzhou. To them, this is a dream place where unequity and social filters are removed, only inspiration and collaboration remain. This place should be distinguished from its surroundings.

Celadon, one of the most famous name cards of Zhejiang, is a kind of common vessel used in almost every household in Hangzhou. We choose it as our design icon in hope of retaining its physical qualities meanwhile making this area presenting a romantic Hangzhou style.

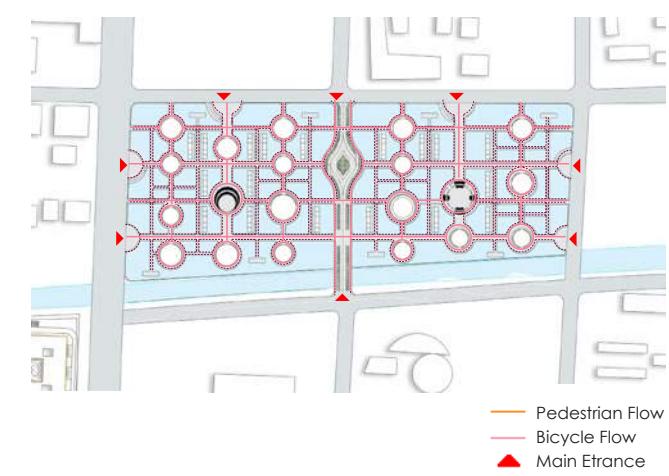
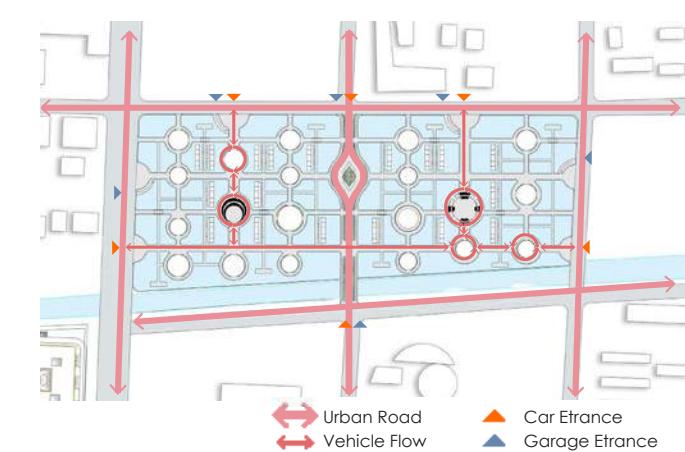


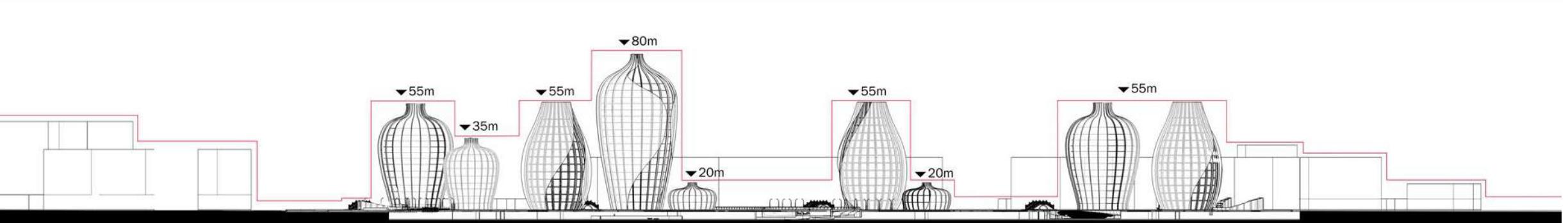


SITE PLAN



BASEMENT FLOOR PLAN

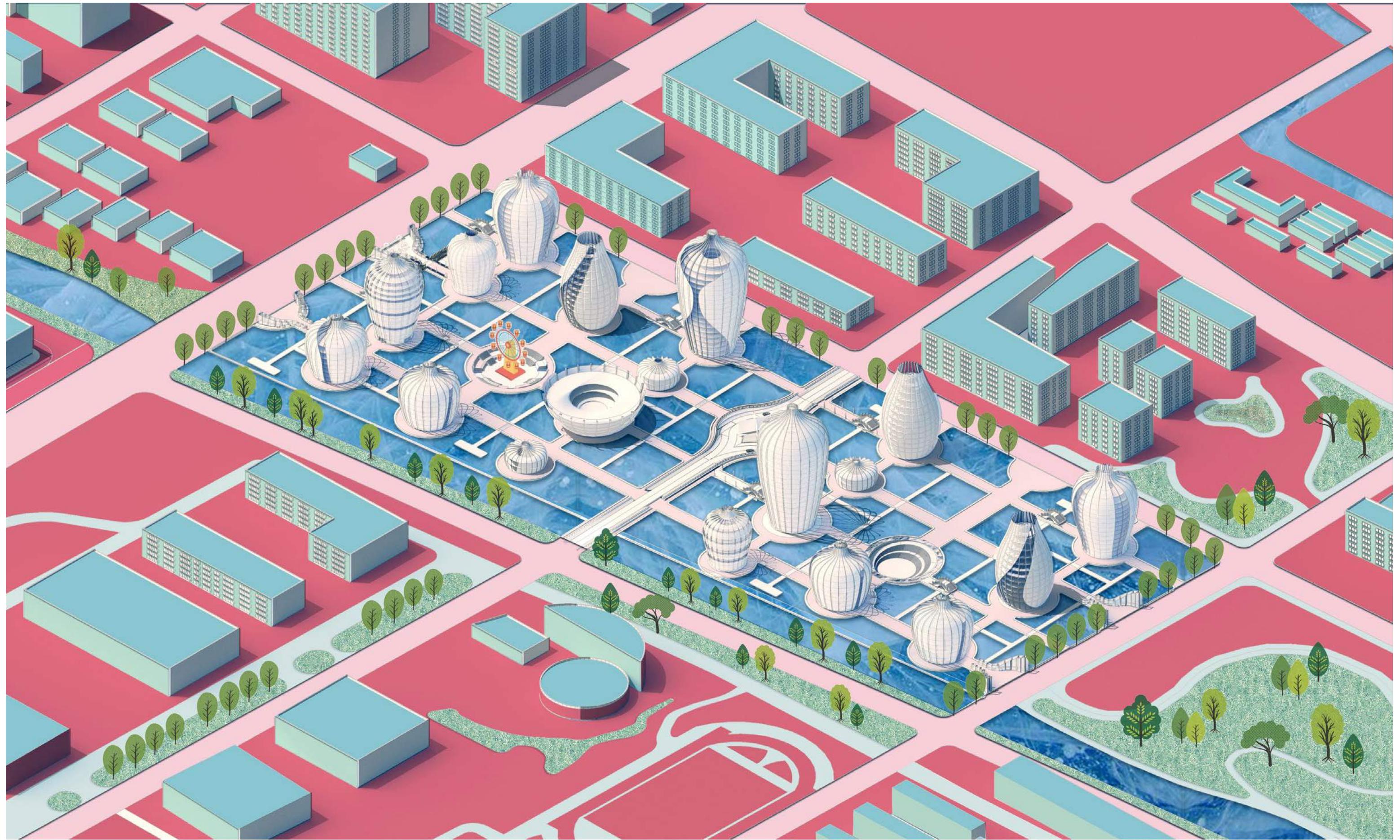




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3
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4

Renderings

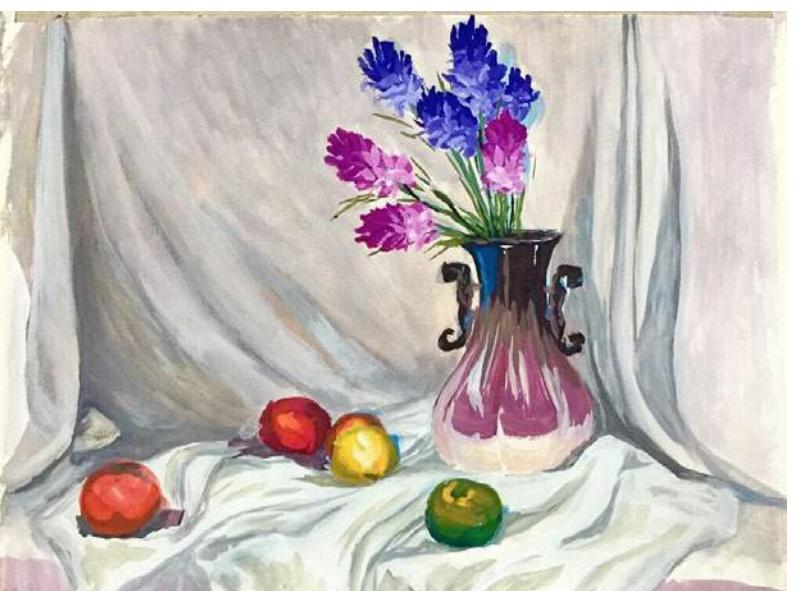
1. Amusement Plaza
2. Entrance Plaza
3. Boating in the Park
4. Floating Shops Along the Street



ADDITIONAL WORKS



Watercolour Painting 2014



Opaque Watercolour Painting 2015



Wooden Model for Chinese Traditional Pavilion 2015



Pen-and-ink Sketch 2015



Pen-and-ink Sketch 2016

THANK YOU.