

[避让与顽抗]
Evade & Revolt

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University of Southern California

[避让与顽抗]

Evade & Revolt

It is the age of mixture of inspiration and frustration. We are living in these epoch of unprecedented opportunities of construction. With these opportunities of urban development, there is incalculable damage to the ancient or traditional Chinese constructions. As a result, many cities which located in different areas in China become similar. I finished my bachelor degree of architecture in my hometown in Chengdu (a well-known leisure city in China) and it is called "the land of abundance" in ancient times. In 2010, the local government in Chengdu put forward an idea: building Chengdu into a "garden city" caused a strong reaction and a large-scale discussion in architect's field. Not only the architects, almost all the Chengdu citizens outlined a beautiful vision to the future of this garden city. However, this concept was rarely mentioned a year later. As the matter of fact, the city continues to expand without a professional plan, and the knocking and dust from the building sites continues to torture the local people. The construction fields just like the scars of the city, tearing it apart. Especially the program of viaduct that covers the entire city, which caused a serious problem that many places in the city lost the vast blue sky in spite of the architects' opposition. I saw the architects' inability in this throes era, but there are many still many architects sticking to their dreams and fantasy. [Evade & Revolt], these two words, just like Tai chi, are generally opposite and make up for each other's attitude and emotion and have become the attitude in my pursuit as an architect.





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1#[Vertical Park]

"grow towards sky"

Personal work 2012.6

It becomes more and more costly for parks to exist in the dense, populated areas. The pomp of Centre Parks is no longer as glorious as it used to be. Most of the parks will be narrowed down in the cities. So how to design the parks to suit the contemporary urban needs becomes vital. I think vertical developments is the ideal way to create parks in future. In this case, parks can survive where life loses its flavor because of population boom.

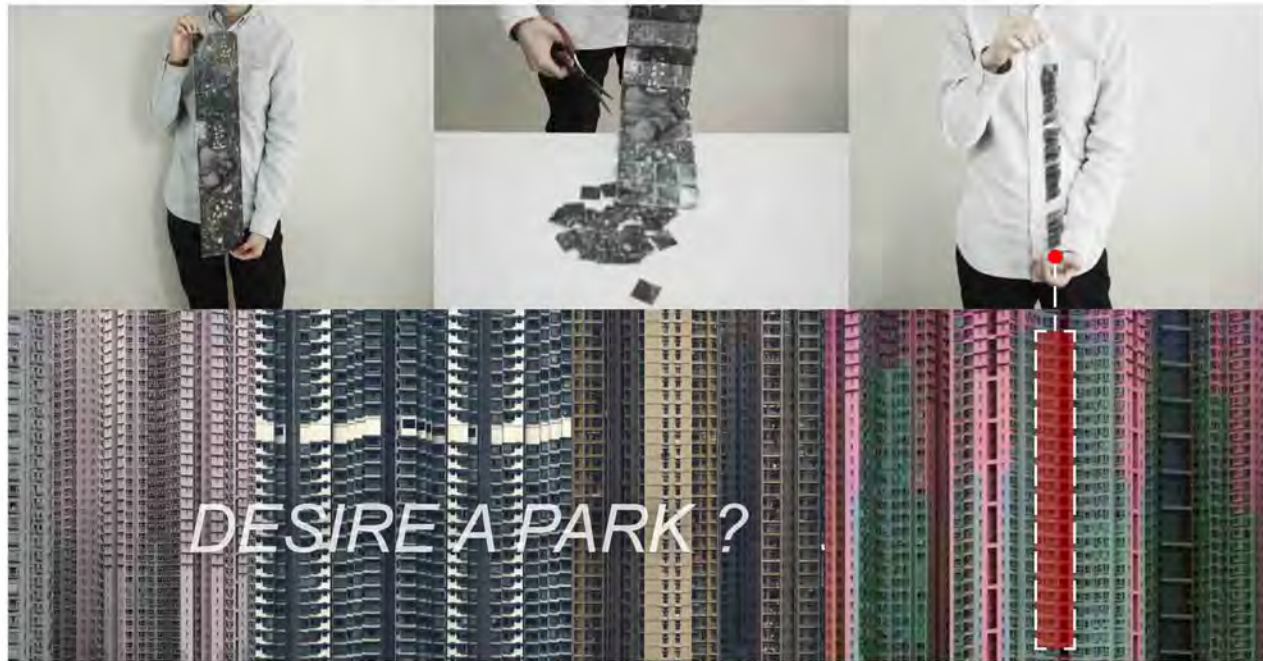
equation

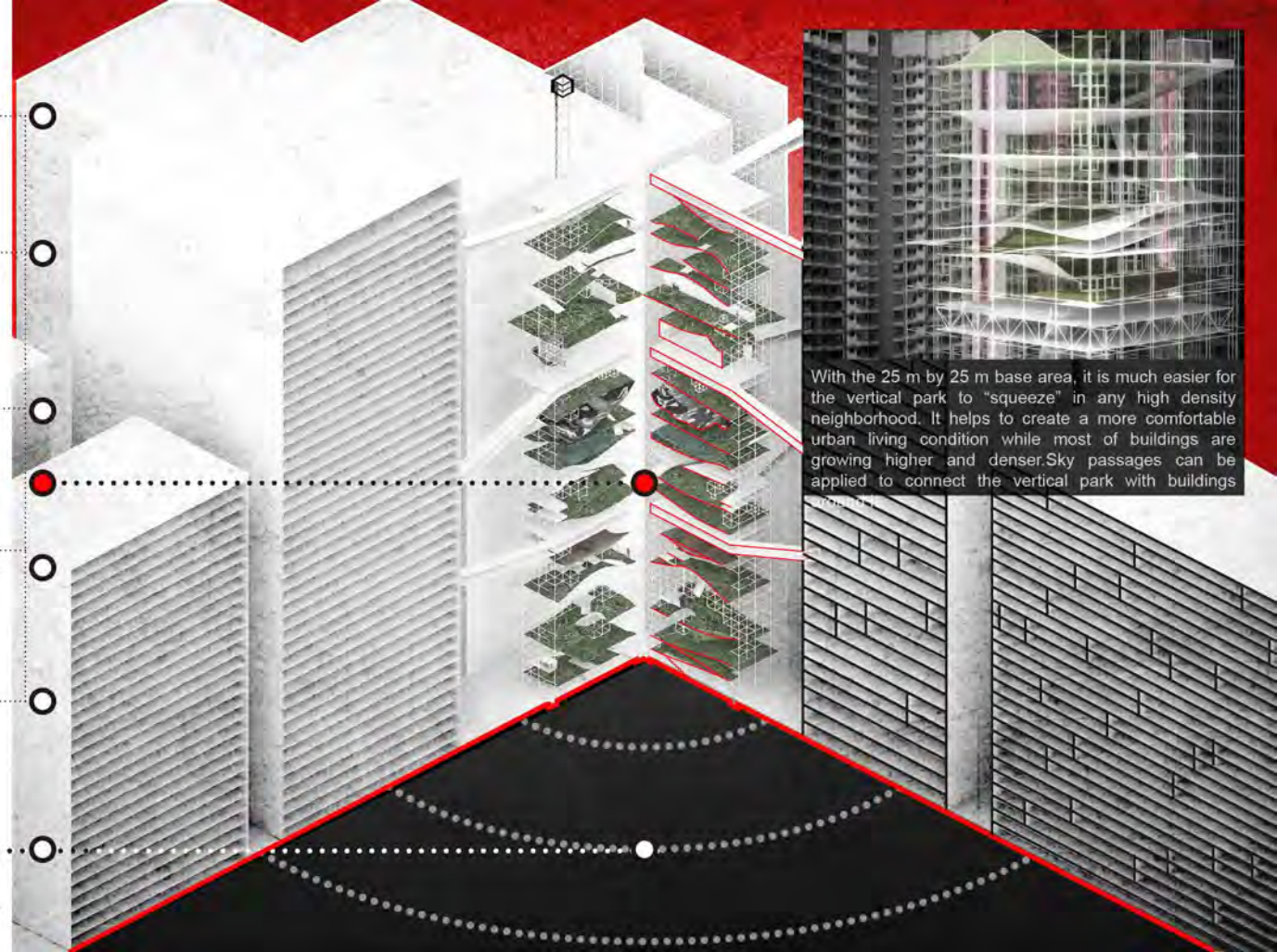
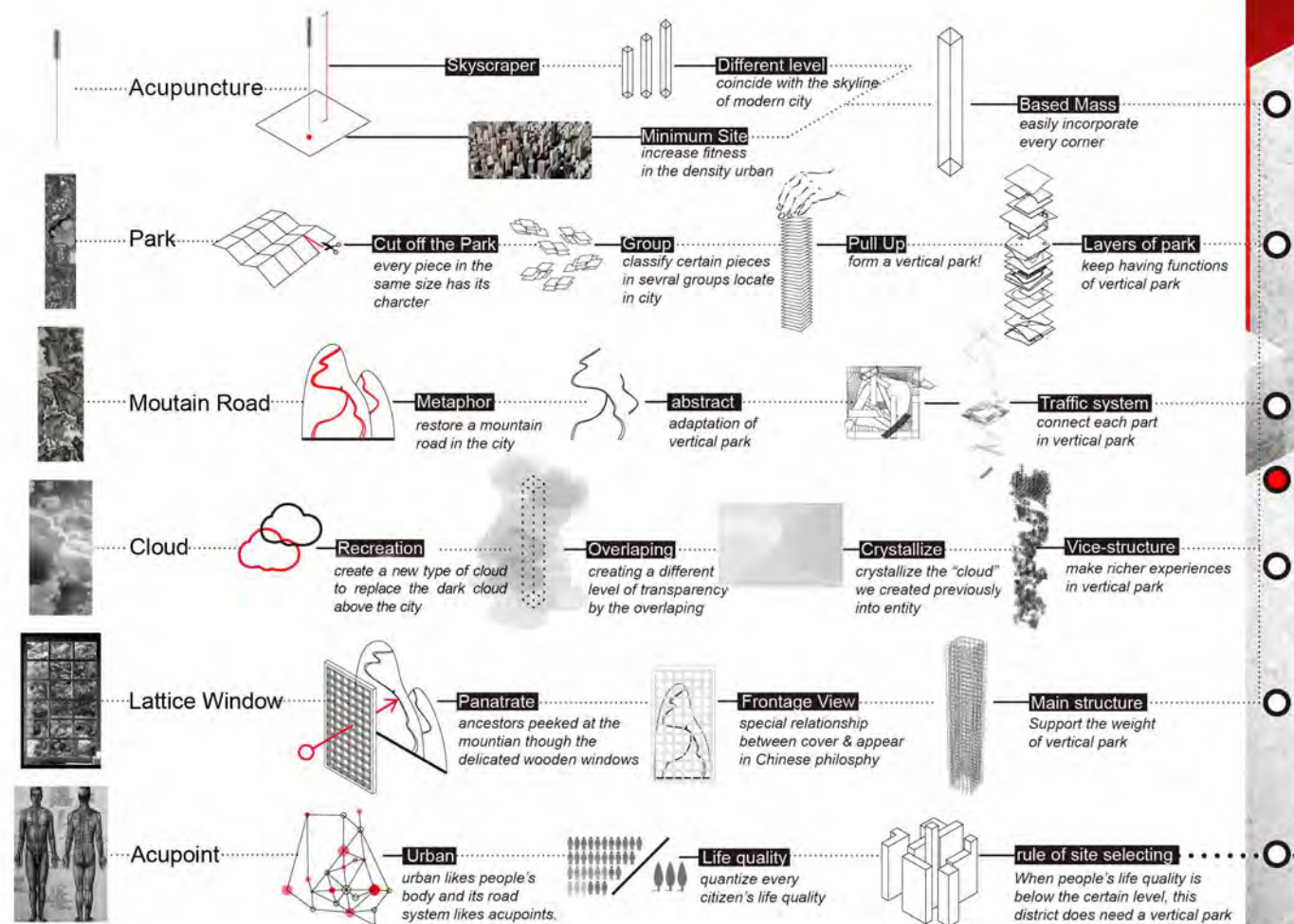
$$= \blacksquare \times 1000$$

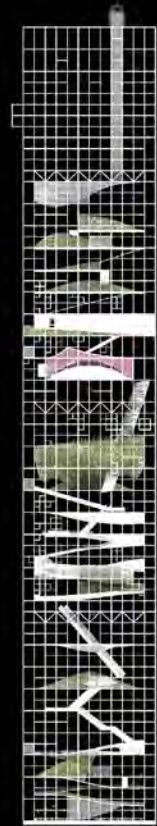
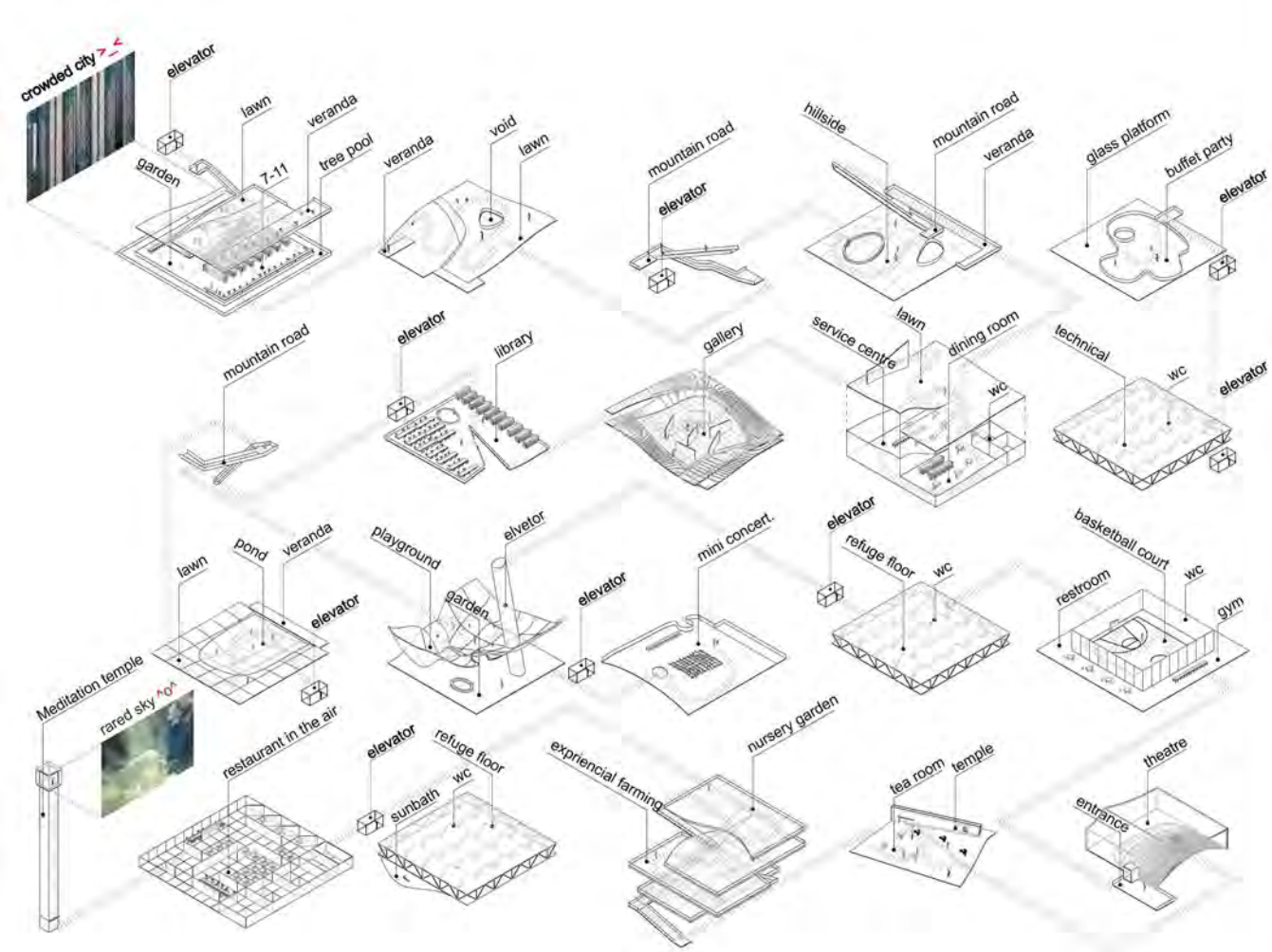
inequation

$$< \odot \times 1000$$

The conventional park as we all know covers a large floor area. It covers a large service space but can only serve the surrounding residents. On the contrary, vertical park covers a larger space through the application of vertical stack. Although the radius of service of the park is not so great actually it can serve more people as they are scattered city corners.



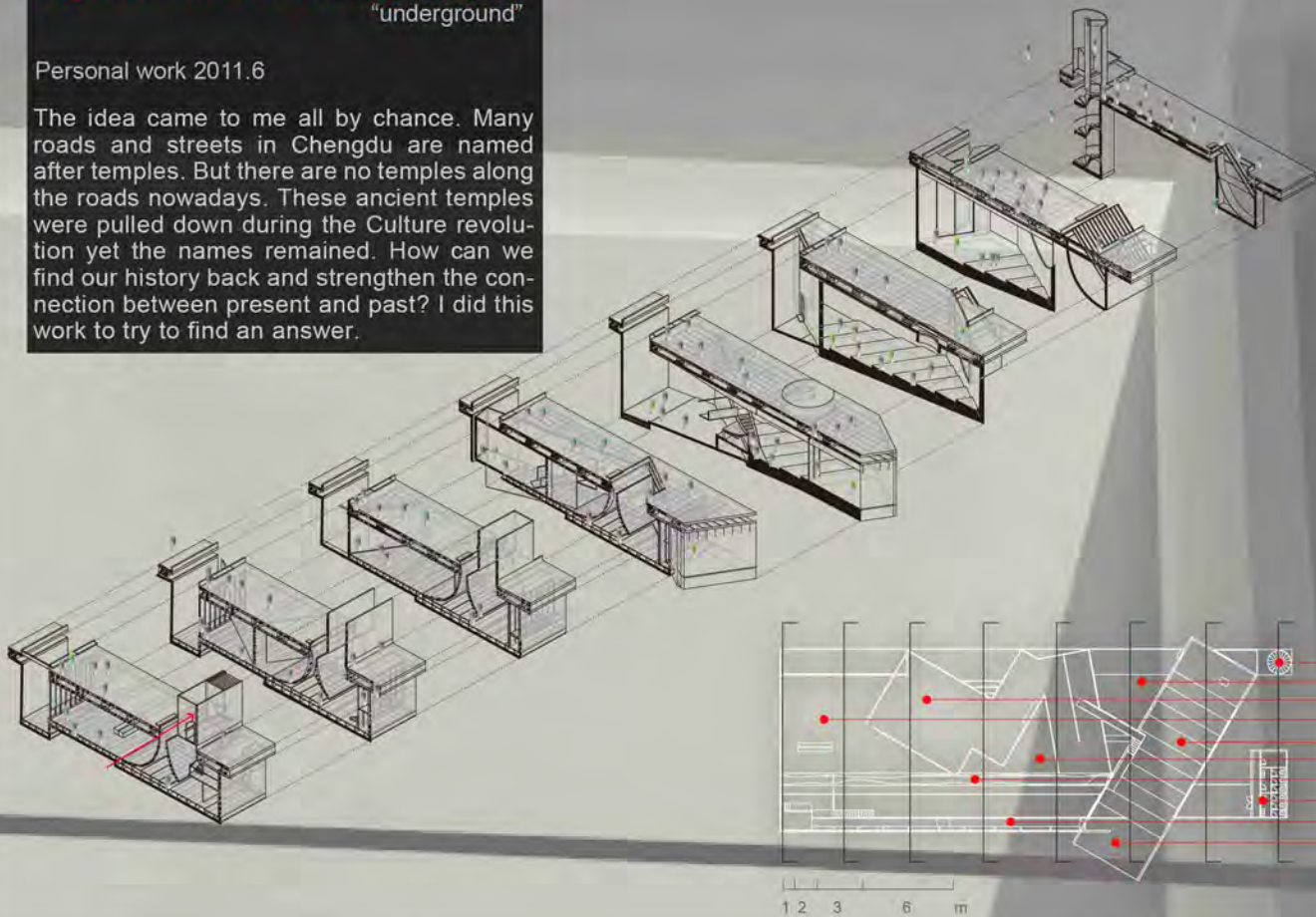




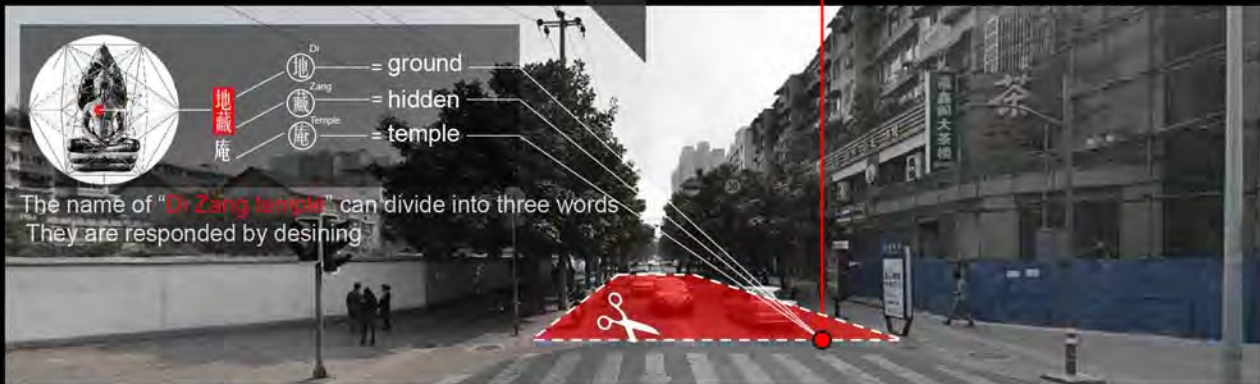
2#[Revolution of Dizang Temple] "underground"

Personal work 2011.6

The idea came to me all by chance. Many roads and streets in Chengdu are named after temples. But there are no temples along the roads nowadays. These ancient temples were pulled down during the Culture revolution yet the names remained. How can we find our history back and strengthen the connection between present and past? I did this work to try to find an answer.



According to an old map published during the period of the Republic of China, I researched streets where corresponding temples existed in history and picked out the Hong miaozi Street as the site of this project. A famous Dizang temple was located there in history. In Buddhism, Dizang temple is build for worshiping Dizang Bodhisattva. In Chinese, "Dizang" has a meaning of "underground" and "connection".

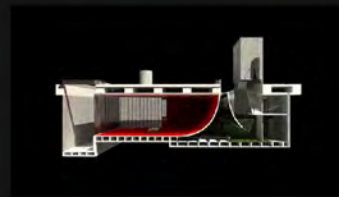
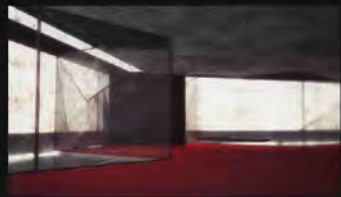
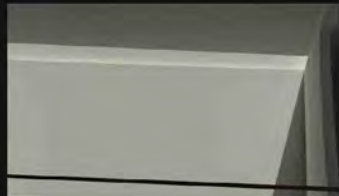


Di = ground
Zang = hidden
Temple = temple

The name of "Di Zang temple" can divide into three words
They are responded by desining

Pavilion, Entrance
Staircase
yard
Meditation
Meditation
Peyer room
Storage
Buddhism Hall
Toilet
ramp
rest room



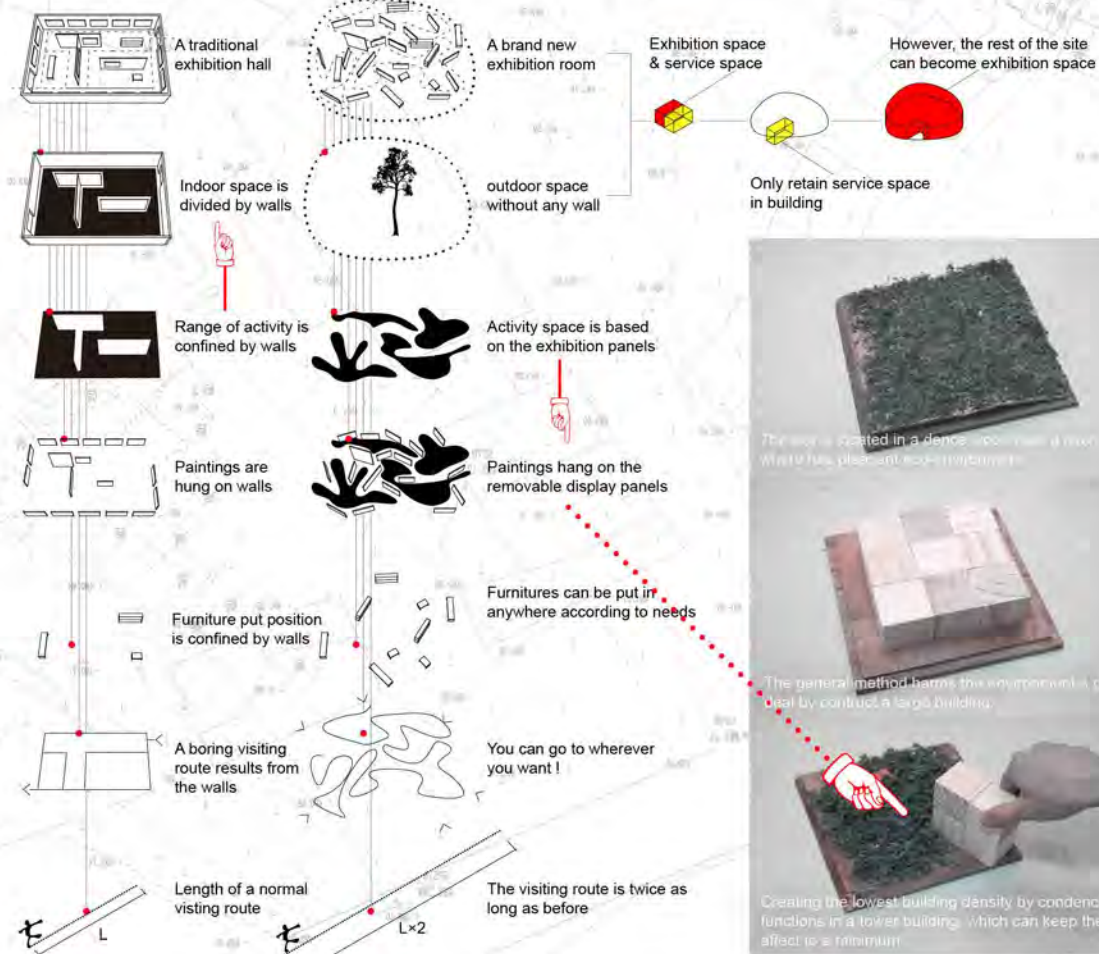


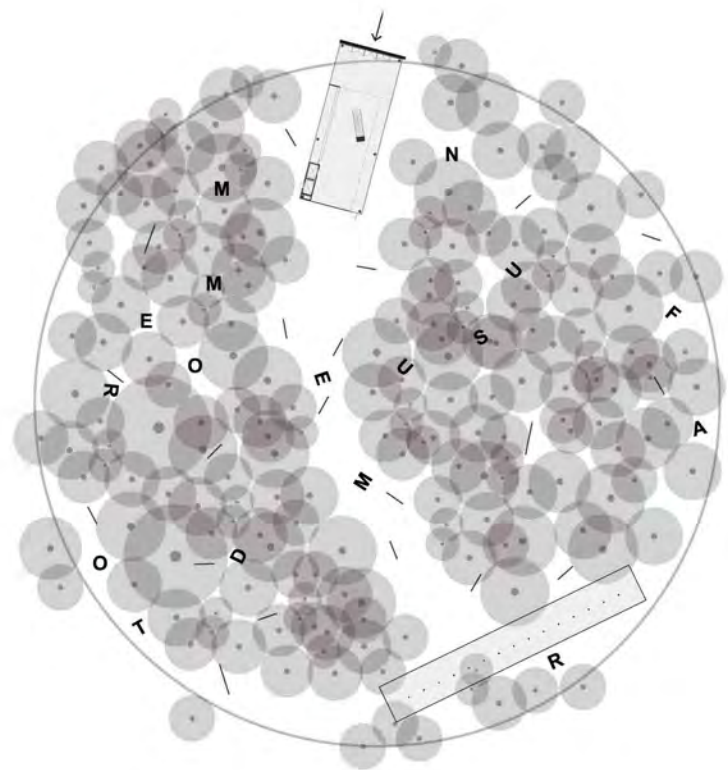
3# [Forest MOMA]

"empty"

Personal work

This project was provided by a famous local printer who focus on the south-west Chinese Shanshui painting, the client not only need working spaces but also need exhibition spaces. To compress the necessary spaces that art gallery need into an area-saving tower, I tried to create flexible layout and circulation system. At the same time, the forest on the site became an exhibition hall, an auditorium and a tea house. And the forest became the most homogeneous background for a gallery.





first floor plan



Tower



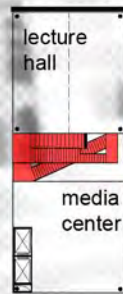
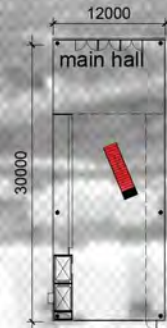
pavilion



Exhibition
penal

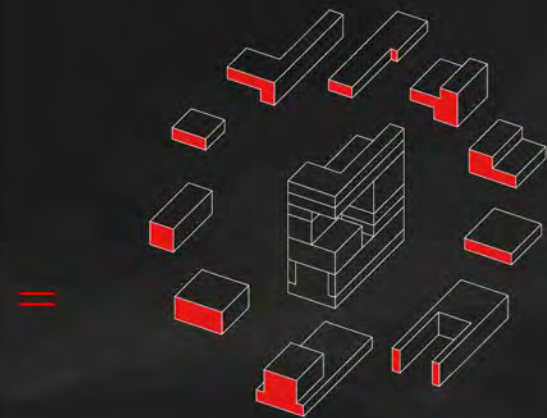
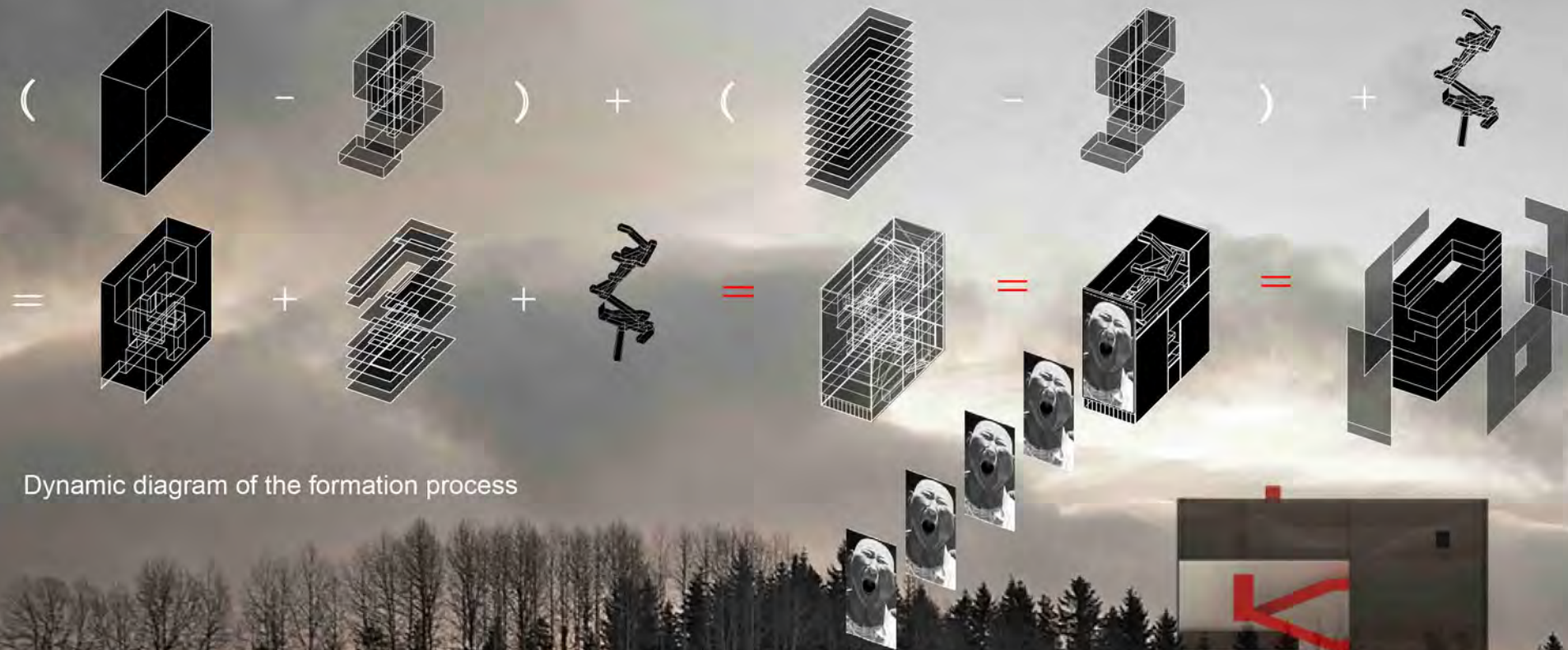


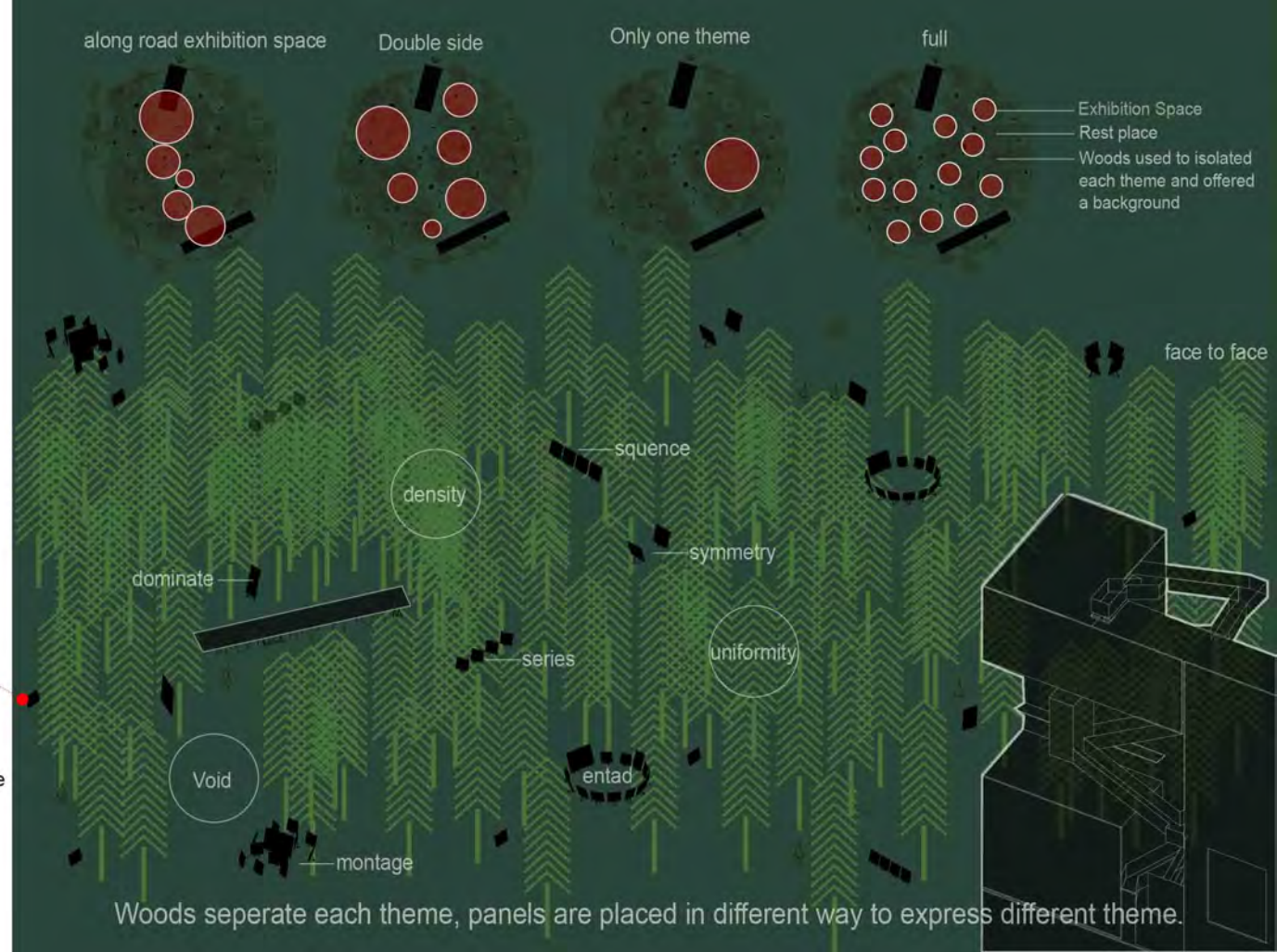
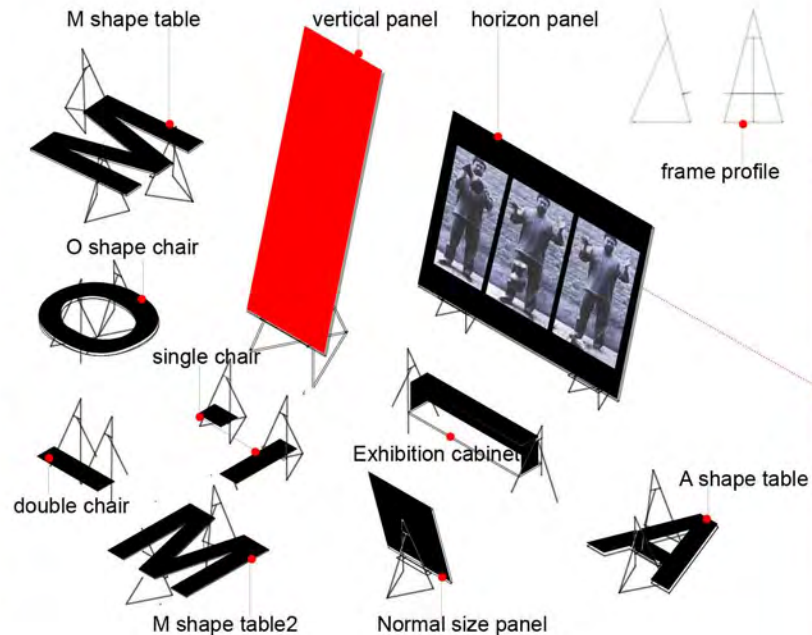
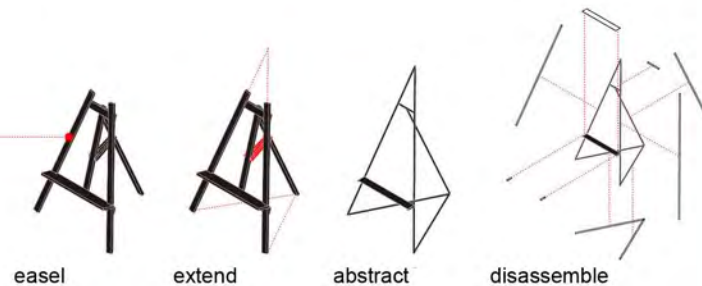
Furniture



gazebo









General design strategy

- One huge volume
- Unnecessary connection
- Waste of energy and cost



Improved design strategy

- Roads combine small single volumes
- Clear destination
- More open areas for public



Interior spaces

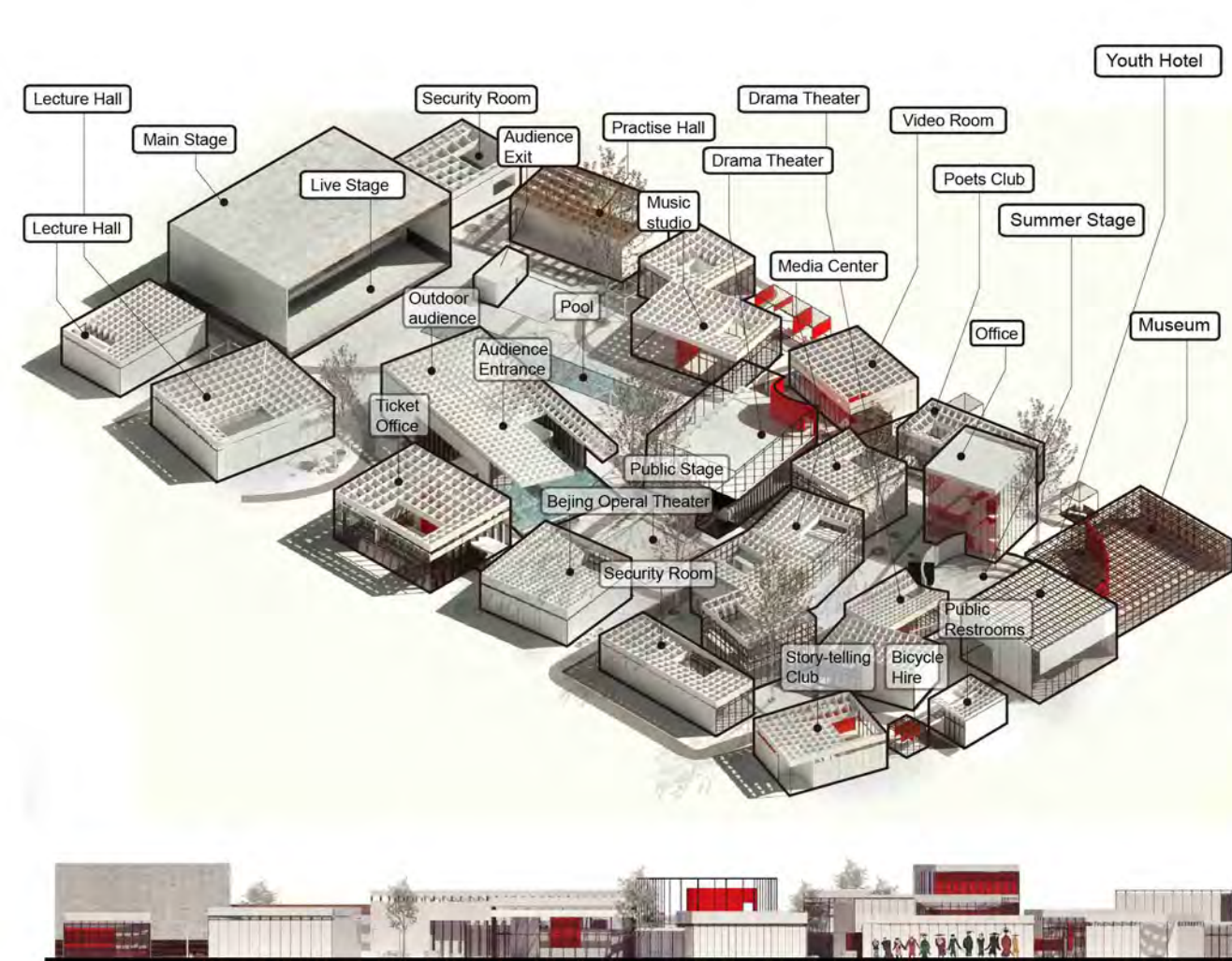
- Simple shape
- Separate from each other
- Support different kinds dramas



Exterior spaces

- Large open area
- Rich experience
- Return to public





People's Theater can provide space for many different types of drama, such as Beijing opera, Ballet, Chinese story-telling, stage play and ect. Since all functional spaces are dispersed, these types of drama won't influence each other. They can even coexist here harmoniously. Meanwhile, not only positive shape but also negative shape can provide plenty of different experience. So that the theater is able to attract more people.

5# [Color Gui'an] 2013

---Attempt to "color"

Team work 2013.9

position: as an intern designer response
for basic work

This is an internship program. This project aims at planing color in Gui'an new district This experience was very special for an architect like me. As an intern student, I am responsible for underground design. In spite of this, color concept always inspires me. Because I see that only colors can bring life to the fast,newly-built yet low-qualified cities. I can do nothing about it. But colors can.

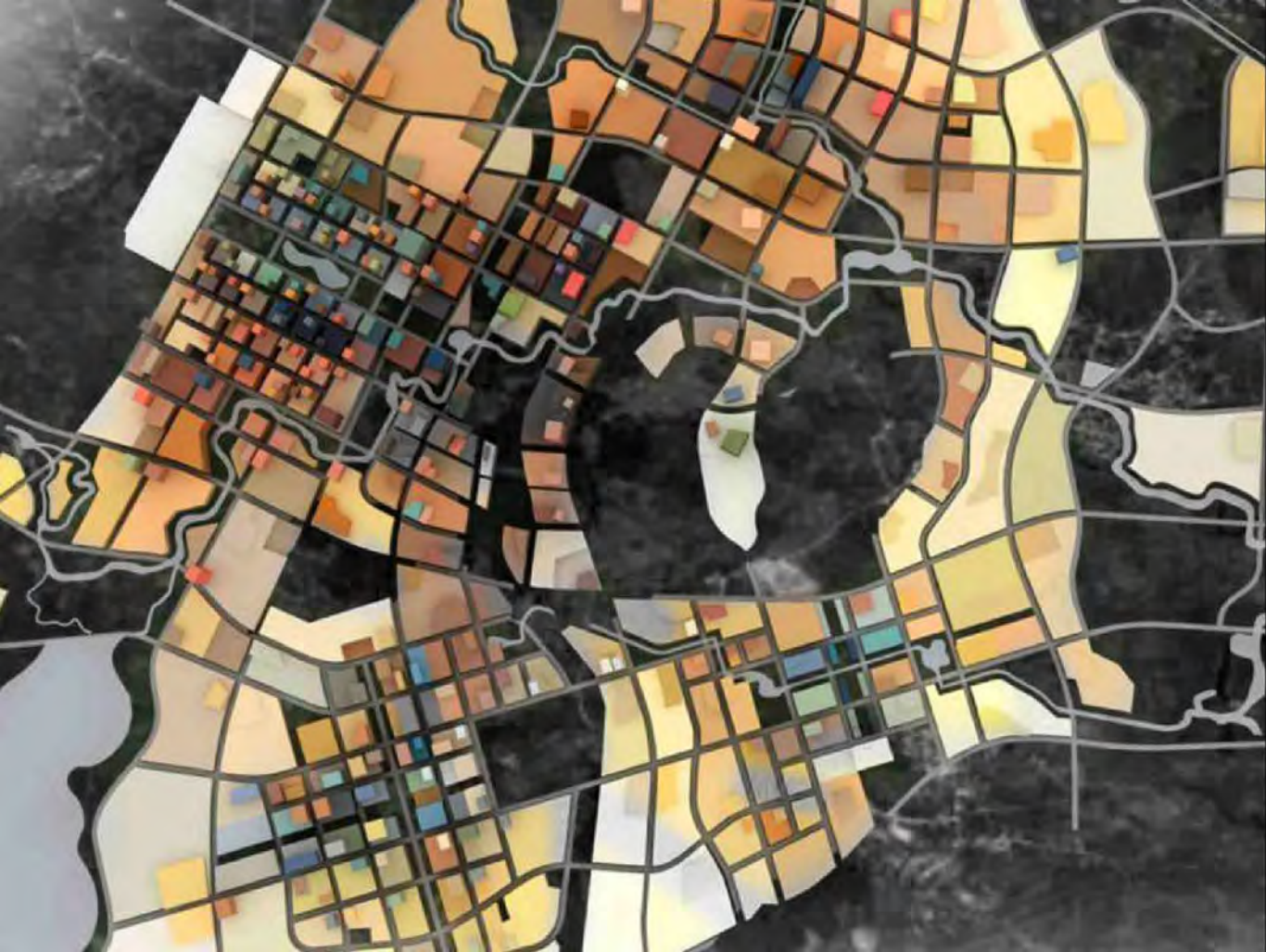
Extract the color from the nature in Gui'an, like landscape, sky, water, sand, stone, and wood and so on.



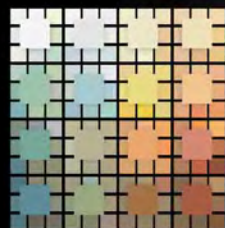
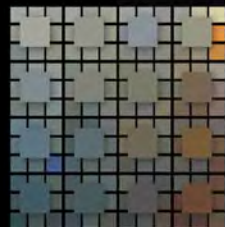


We built the color atlas database of every sample area by field research first. Then, we derived the color atlas of overall environment. It's a really huge effort to quantize the colors into color cards for the first time, but also very interesting. Everyone's care, patience and creativity have been reflected through the whole progress.

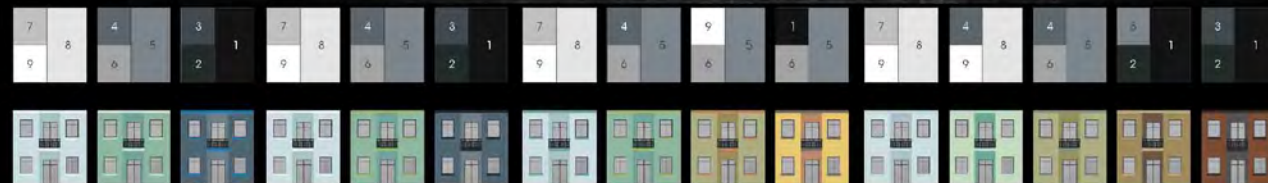




The result of the deducing wall surface's colors



Value and hue of wall surface's colors



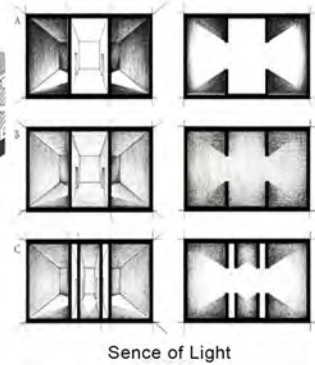
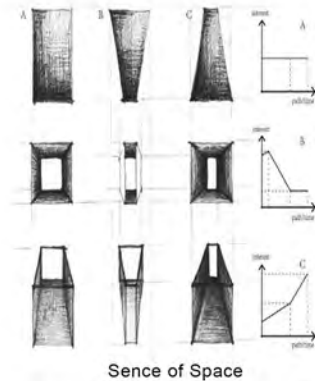
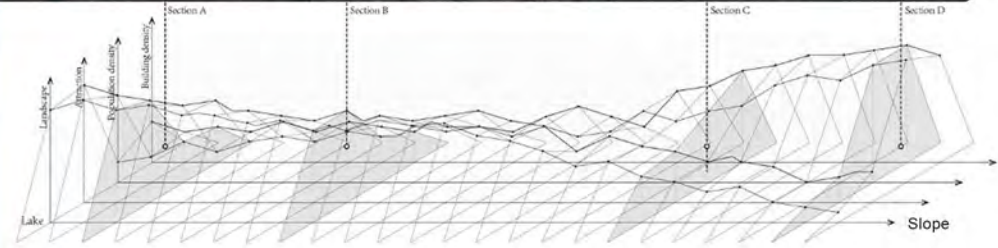
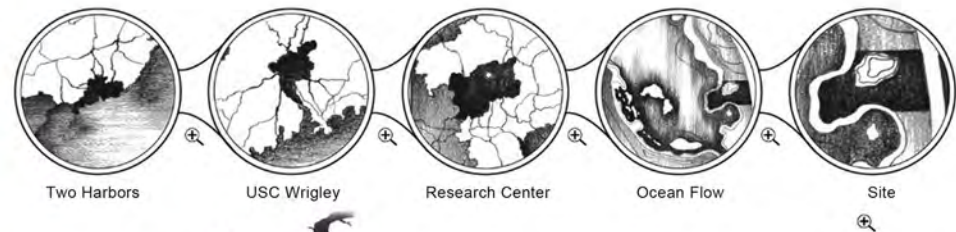
6# [Marine Research Center]

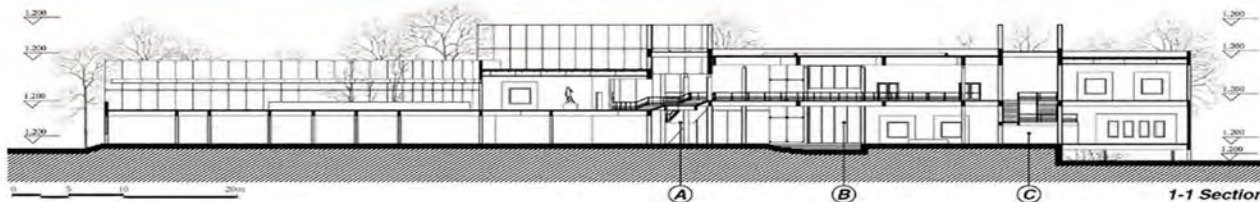
“Rhythm of Light”

Personal work 2015.9



The design goal of this research center is to create a special experience for the visitors. When they explore the building from east to west, the spaces becomes narrower gradually. And the spaces expand again at the end of the trip circulation. Opening to the ocean not only provide a great view but also introduce the nature light into the building.





Eastern Light gallery



Patio Perspective



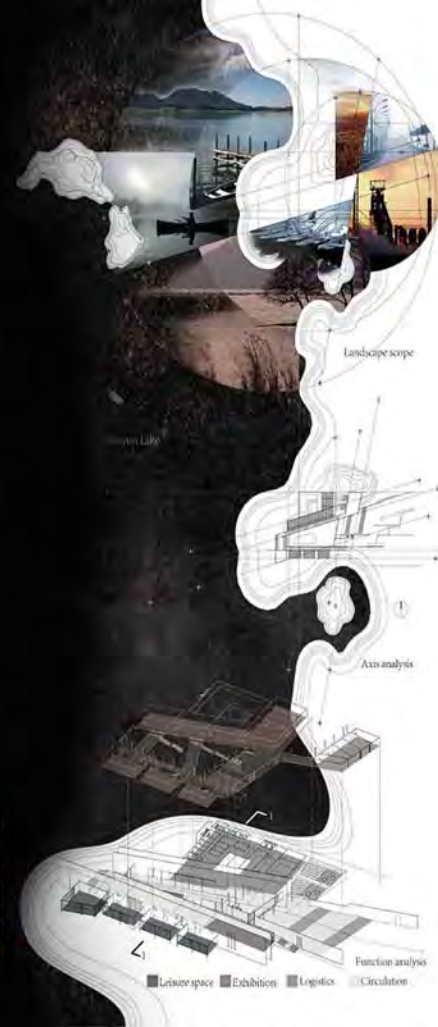
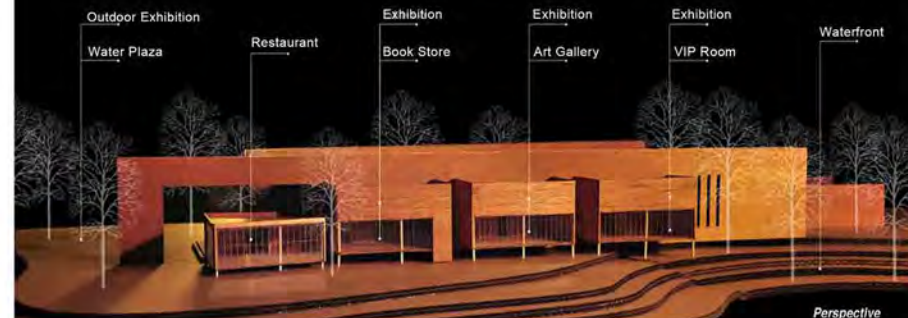
Western Light gallery



Outdoor lecture hall

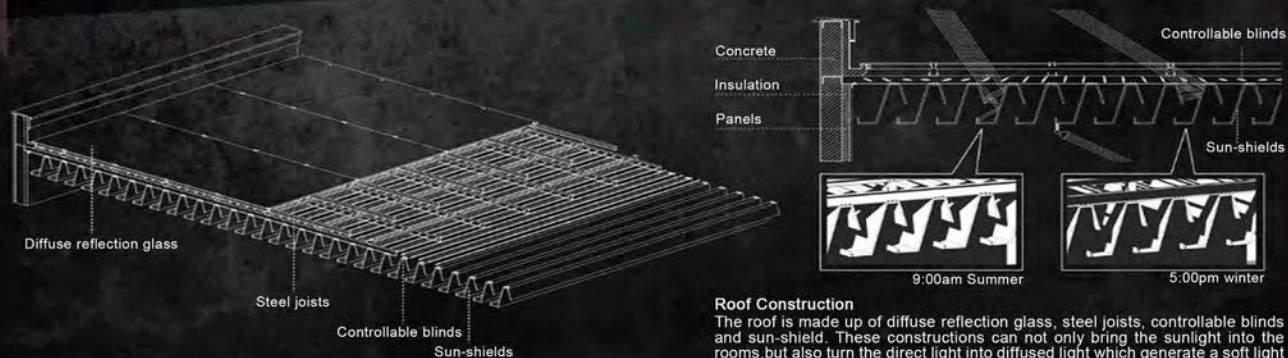
Public Space

The principle of public space design is to create a bright and comfortable space for the visitors to enjoy the exhibition and communication with each other. Some Local transitional elements are brought into the design and combine with specific functions.



Natural Light

Unlike most museums which exhibition spaces are enclosed and use artificial lighting. I tried to use nature lighting on display area in this project and transferred the exhibition spaces become "sunshine containers". So that visitors can not only enjoy the items on display but also experience the spaces shaped by sunlight.



Roof Construction

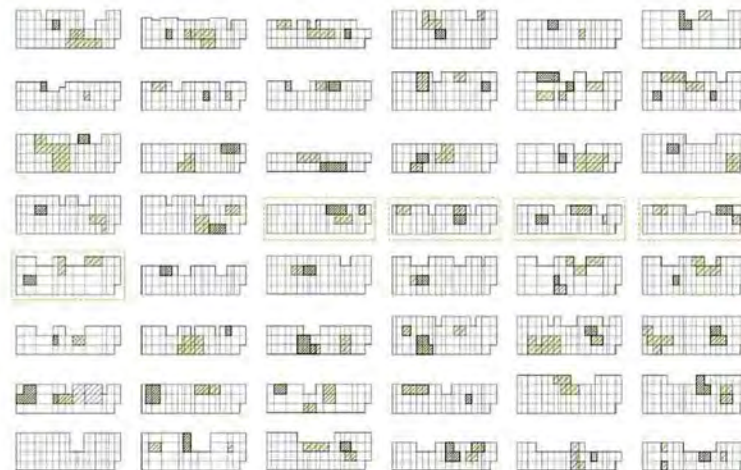
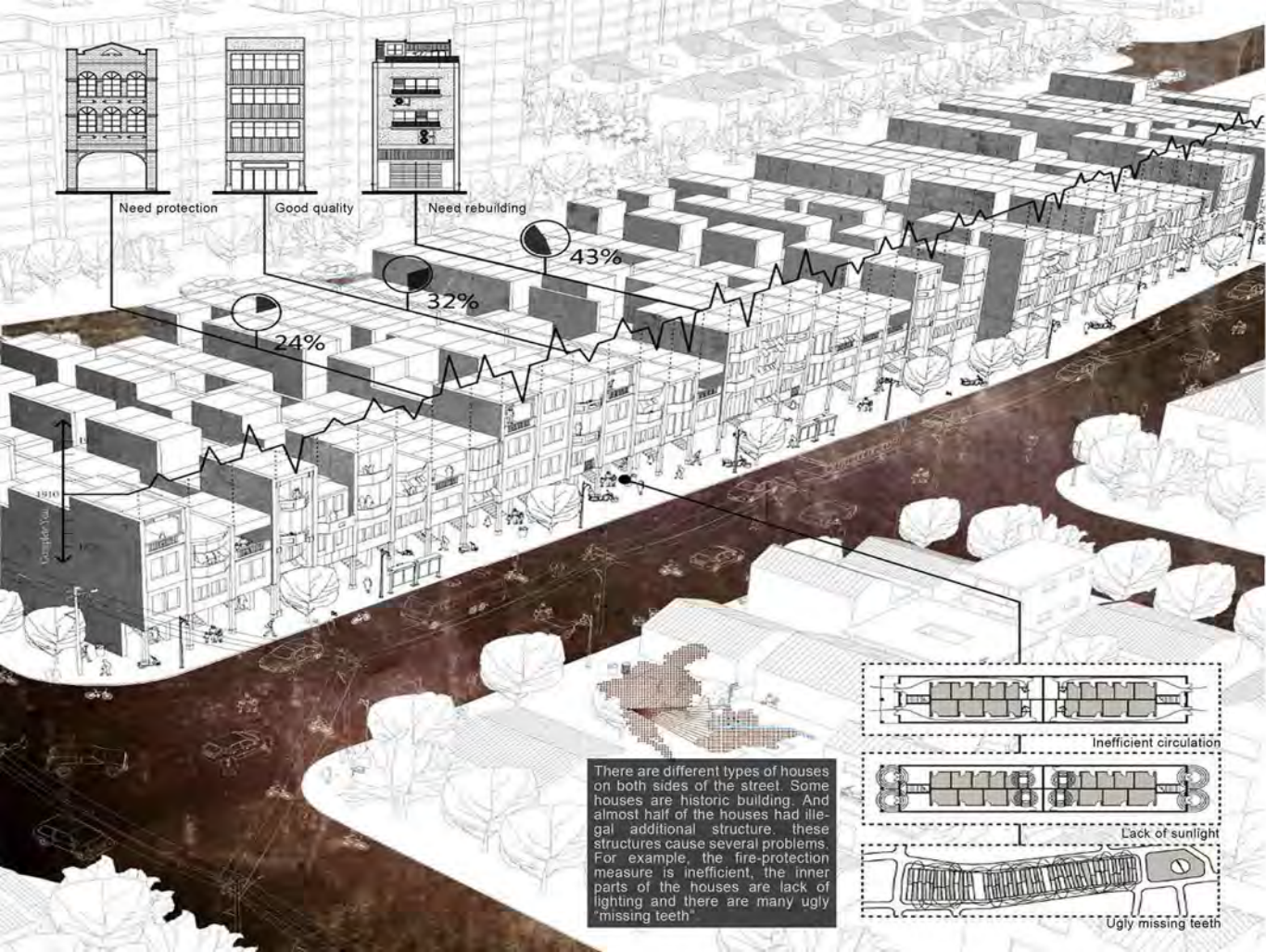
The roof is made up of diffuse reflection glass, steel joists, controllable blinds and sun-shield. These constructions can not only bring the sunlight into the rooms but also turn the direct light into diffused light which generate a soft light environment. The blinds are controlled automatically according to the solar orientation and season to meet the needs of exhibition illumination.

7# [Apartment for Low-incoming]

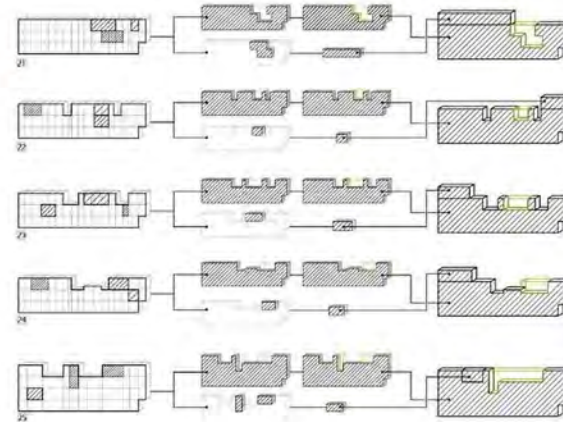
"Replacement"

Personal work 2016.2

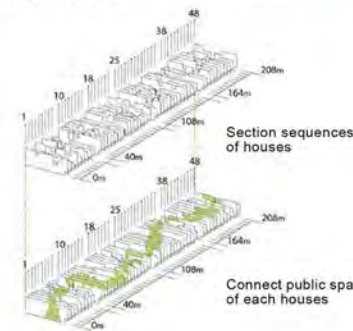




According to the site research, the spaces which the owners are willing to replace with public spaces have been marked.



Testing models



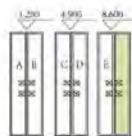
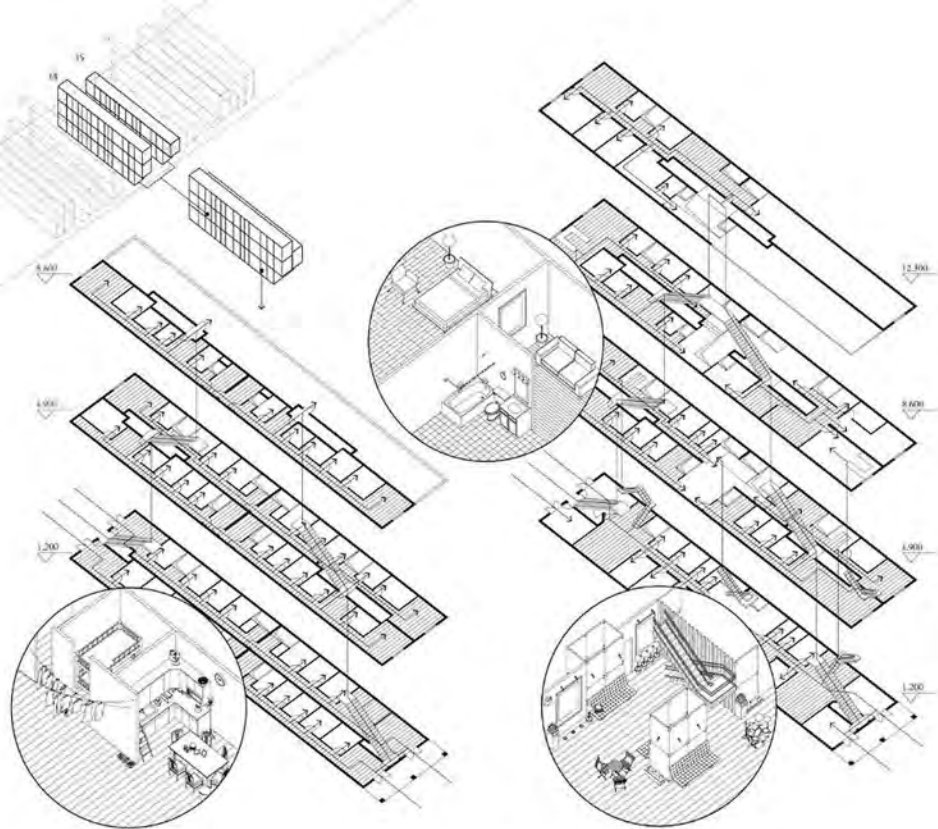
Reconstruction

The replacements of each house is stringed as a public band which is also a "landscape band" and a "communication band" for all residents here. On the other hand, in order to compensate for the cut-off space of each house, addition top floors are created as well.

Facade

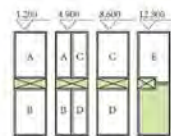
In order to follow the context and show respect to the surrounding environment, the additional construction will follow the form of the original facade.





Reconstruction

The limited width of each bay which is shared by several families not only creates the narrowness of living area and lack outdoor space, but also the lack of sunlight and natural wind. All these imperfections lead to the unhealthy lifestyle and poor communication between neighbors.



Transformation

By replacing the space between adjacent households, the circulation distance was reduced 50%. At the same time, the indoor lighting and ventilation are both better optimized. The increased public space will also stimulate more communication between neighbors and strengthen their relationship.



3 Patios, 37% Public space



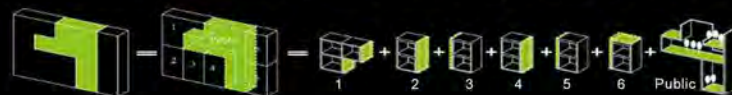
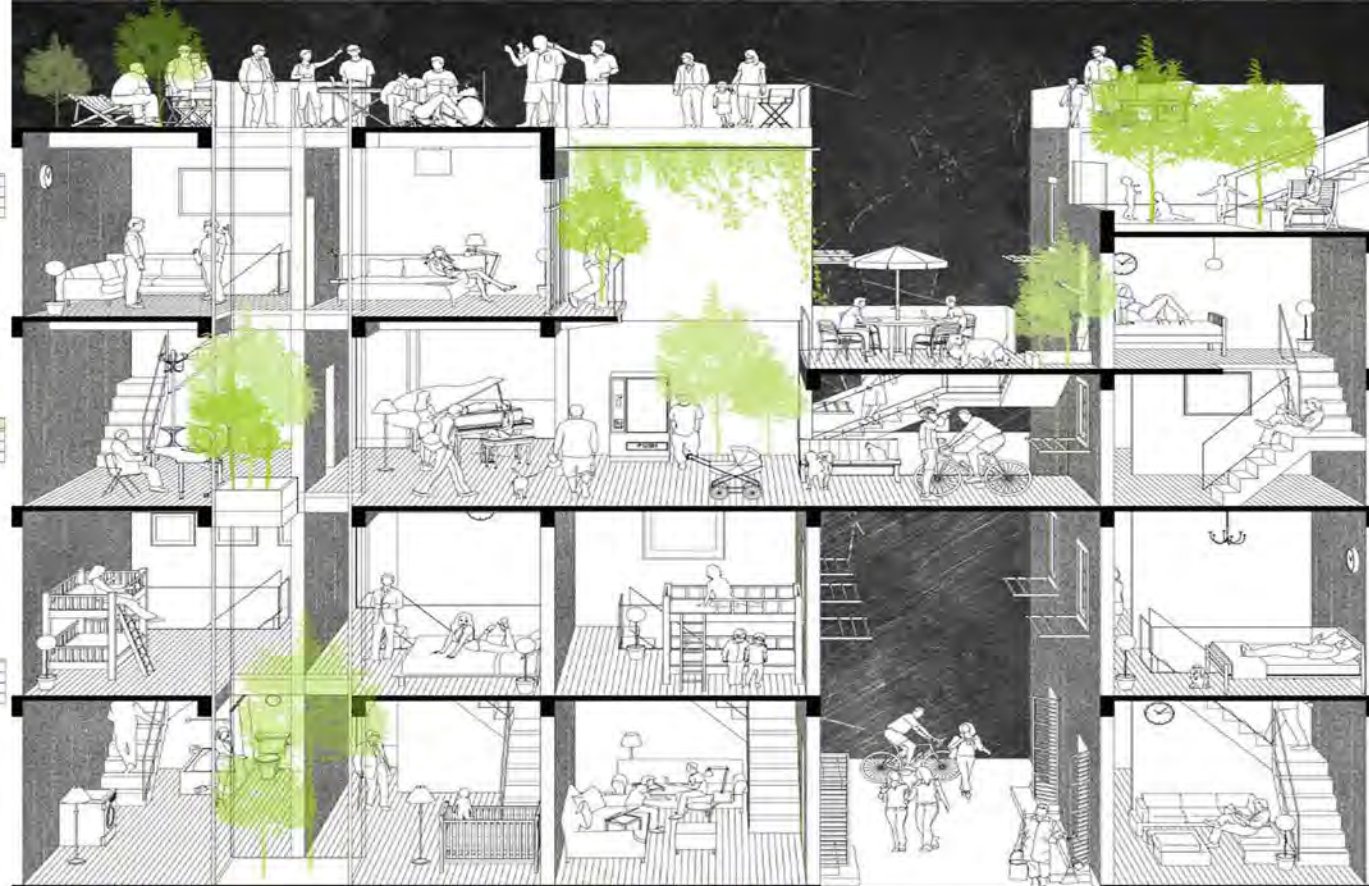
2 Patios, 38% Public space



3 Patios, 32% Public space



3 Patios, 35% Public space



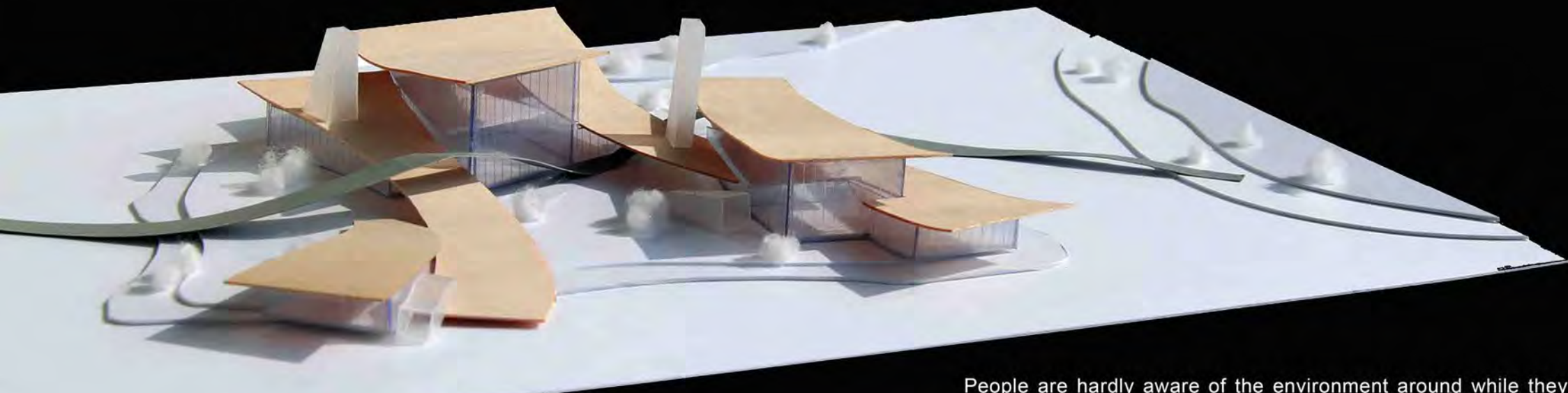
Section of living

The sections show the people's new life in the old community after its reconstruction.

8# [Wetland Pavilion Facility]

"Nature captures"

Personal work 2016.7



People are hardly aware of the environment around while they are actually included. In this design, I try to stimulates people to do introspection through paying attention to the astonishing nature. to reach this goal, I put "captures" in the pavilion to work this out.

CONCEPTS:

People often stay in the space that full of various natural elements (ex sky, water, plants).

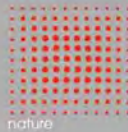


But we never live with single element in a space.

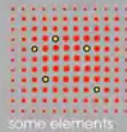


In that case, we can have more detailed observation and reflection of the nature.

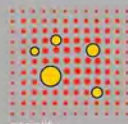
So in the pavilion, we design some special space which can catch single element filtering others.



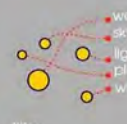
nature



some elements



amplify

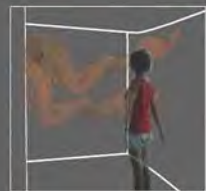


filter



To make people think more about nature.

CATCH WIND



perspective



plan



section

Different roof cause hot imbalance causes different roof, and the formation of the air.

The site and the captures



The site is a plashy island in the lake with a special scenery. On the site, we design to put on some "captures". Those "captures" work as such: isolate those "elements" respectively which enables visitors to concentrate.

CATCH WATER



plan



section



perspective

CATCH UP



section



plan



perspective

The floor was covered by the mirror to make a feeling of walking in the sky.

CATCH PLANT



perspective



section



plan

CATCH LIGHT



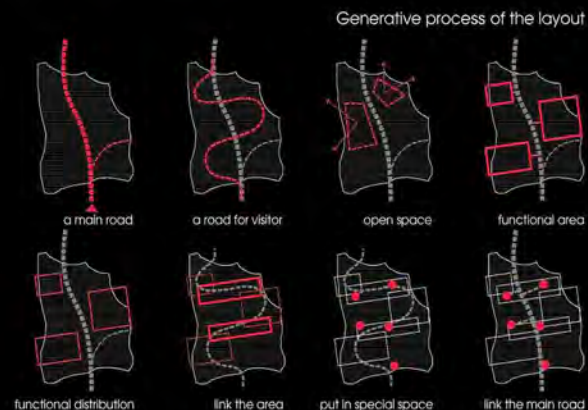
perspective



section



plan



Southeast Elevation

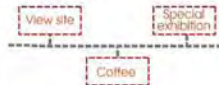


Northeast Elevation

- 1 conference hall
- 2 conference room
- 3 office
- 4 equipment room
- 5 exhibition
- 6 coffee
- 7 entrance hall

Two circulation for two groups of people

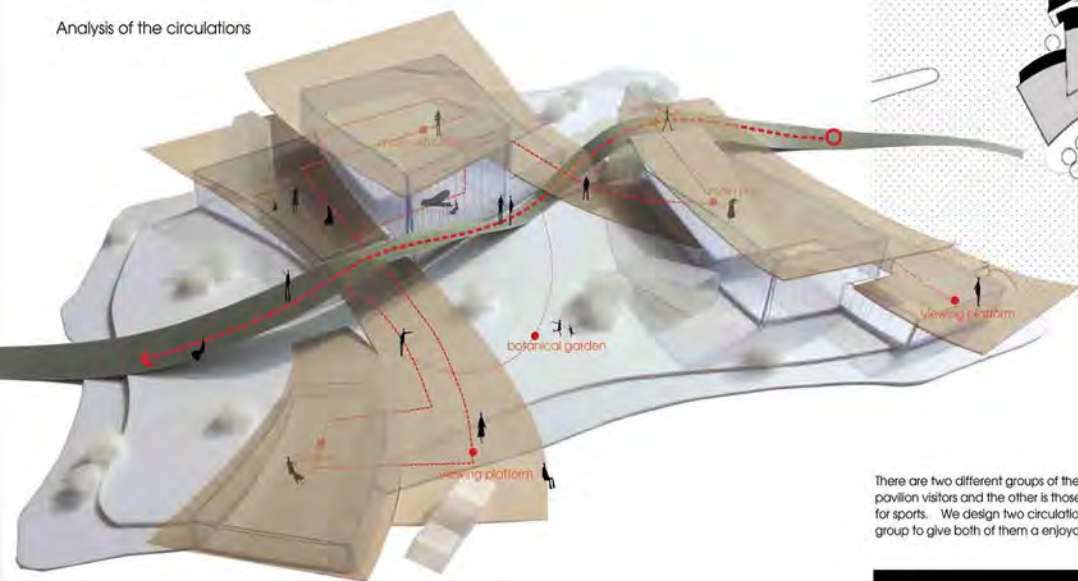
People who come for sports:
Because they are familiar of the part, the circulation is direct and elective.



People who come for exhibitions:
Because they'd like to see the exhibition, the circulation is continuous and indicative.



Analysis of the circulations

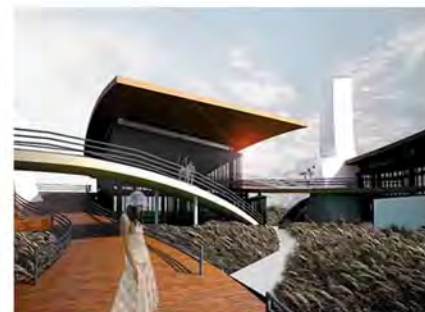
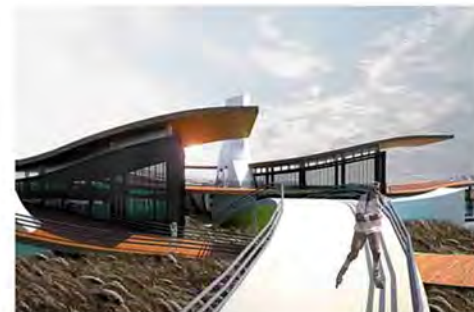
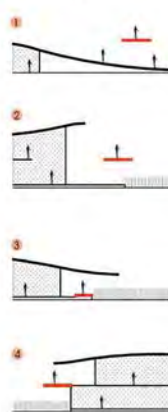


There are two different groups of the people, one is the pavilion visitors and the other is those come to the park for sports. We design two circulations for the different group to give both of them a enjoyable travel.

Site plan

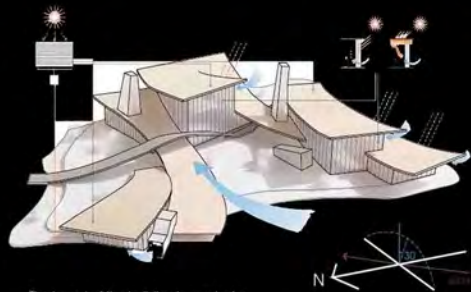


I design mutative sections to create different visual angle which will bring visitors to special feeling of the wetland.



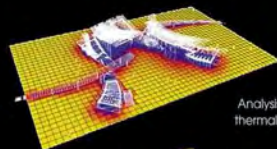
Section A-A



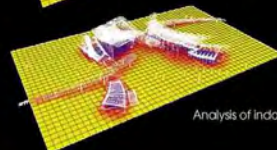


The layout of the building is conducive to the ventilation and lighting. In sunny Hangzhou, a large exhibition hall roof is a continuous and effective part of the solar energy absorption, and also can collect rainwater. Shutter can make the light softer.

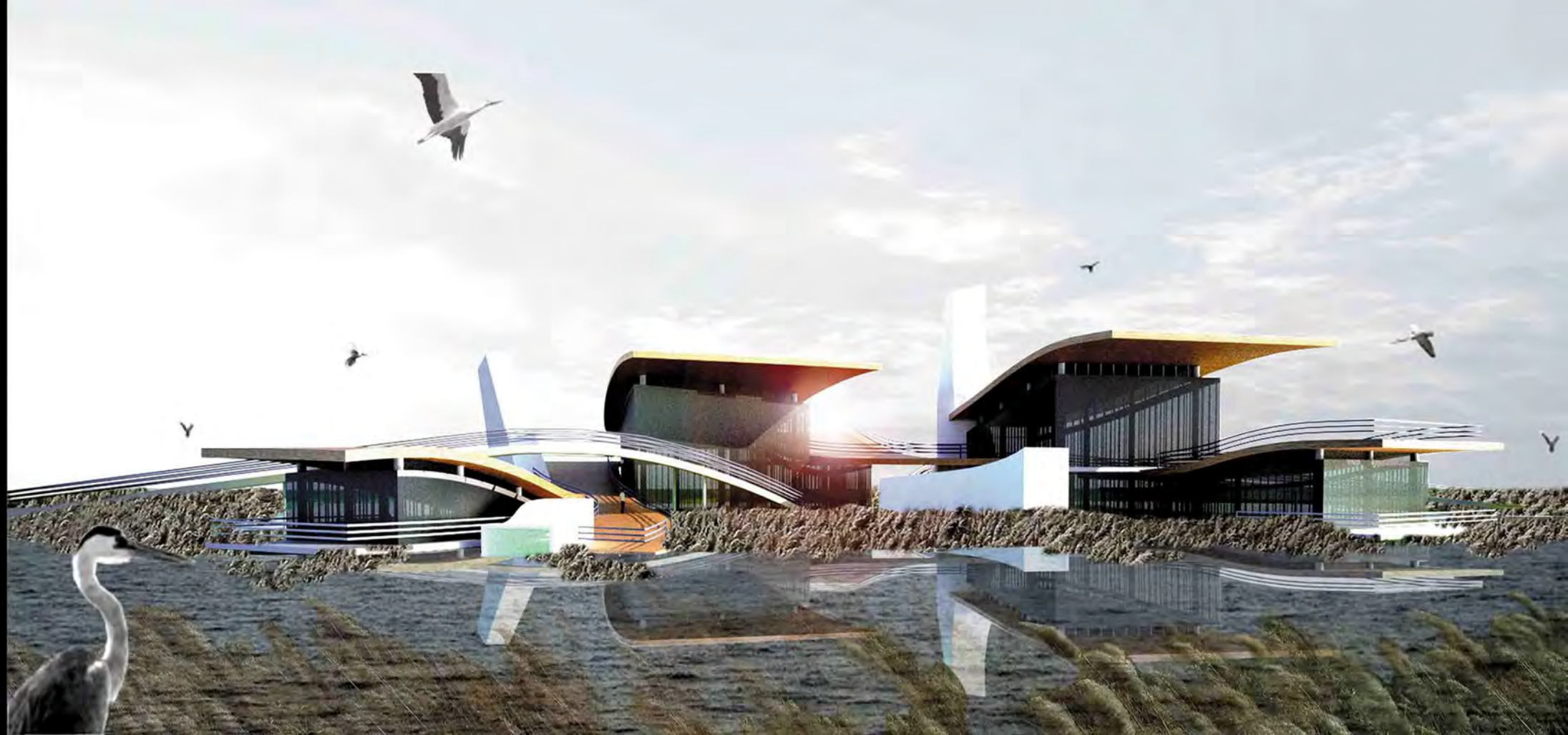
Different sun situation at different times in the summer



Analysis of indoor thermal radiation



Analysis of indoor lighting



OTHER WORKS



Lecture Poster
Personal work



Restaurant Design
Personal work



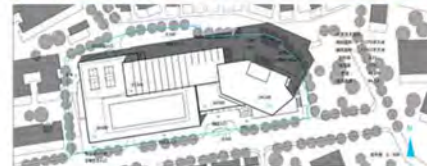
Community Center
Personal work



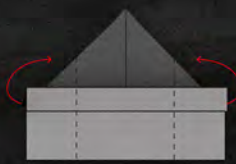
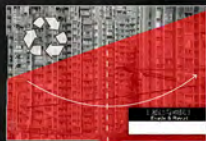
Low-rise Apartments
Personal work



Theater Design
Personal work



High-rise Building
Personal work



All the photographs in this portfolio comes from my photogrph serie {Evade & Resist} 2012, Chengdu

At the begining, there's a pure idea With ideal thinking/
then/ You go through a lot of obstacles as Long March/
Every time, someone wants to destory you deny you/
You must be able to be indomitable/
Furthermore/ you should keep your original ideal Puri-
ty/ without any depletion even more strangethen them! /
This is an excellent ARCHITECT/

Weinan Zhu

Address:
1326 W 29th Street
apt.03
Mobile:
323-528-1351
Email:
weinanzh@usc.edu

Education

Chengdu University of technology, Chengdu, China,
Bachelor's Degree of Engineering in architecture
Authorized Rhino Training Center, Tsinghua University, Beijing,
University of Southern California School of Architecture, LA
Graduate Degree of Architecture

2009-2014

2012

2015-2017

Honors

School Scholarship / Outstanding Volunteer of Chengdu Biennale
advanced student Award
advanced student Award / Honor Member of School Volunteer Association

2010-2011

2011-2012

2013-2014

Prize

2nd prize, bidding of Tibetan Airline office building project
Candidate of National Environment Art Design Competition
Final list, National green architecture design

2012

2012

2013

Work Experience

Intern designer, Chengdu Pandora Studio,
Intern designer, Sichuan Architecture design institute,
Intern architect, Zhejiang Huazhou International Design Company
Assistant architect, Chengdu Architen Design Firm.
Architectural designer, K+R Design Inc.

2010.6-2010.8

2011.6-2012.8

2013.6-2014.3

2014.7-2015.2

2017.10-Now

Special Experience

Found my personal design studio [Wise Factory], as founder
Hold a lecture in CDUT about how to combine all softwares we need in design process
Be a volunteer in Chengdu Biennale
Research country color situation in Shengsi islands, China



2012

2013

2010

2011

Computer skills

Rhino, Grasshopper, Adobe creative suite (Photoshop, Illustrate, Indesign), coreldraw, Auto CAD,
3Dsmax, Ecotect, Sketchup, Revite, Dynamo, V-ray, Office(Word, Excel, PowerPoint)