THE FLOATING LAND

Complex Studio
South Chicago
P5 Presentation

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THE FLOATING LAND
In our manifesto, we proposed the "common ground", of which I will not go into many senses, but no matter what we are emphasizing the principle of self-reliance, and at this point, I am more concerned about the person's renew.

As you know, the United States is a punishment country, the prison as an important social functioning system of the United States, however, do not complete their duties. So, I turned to find a more suitable mode of research I have been actively building, I noticed that at this time, it is the halfway house.

In short, halfway house for prisoners to be released, it is a place of transition between prison and home. with restrictions on diet and certain actions, they intend to help people return to education and community.
Professor Philip Zimbardo in one of his experiment, played a warden, students and volunteer play in batches with prisoners and guards inside a school building, and then sought to put a true experiment. We are all beginning to realize his true identity to live in peace, then the long duration of the experiment, after seemingly weeks, they really began substituting the role because the environment, then slowly put everything over, and finally out of control, the occurrence of a tendency to abuse inside the prison. Development to the back, even the warden ---- professors Zimbardo, think abuse is right, there is no sense of time until the student out of college joint complaint was awake, it looks like the experiment concluded environment or people with evil itself will factors exist, once the regulatory powers out of control, it will be hugely magnified.
The Delancey Street Foundation, often simply referred to as Delancey Street, is a nonprofit organization based in San Francisco that provides residential rehabilitation services and vocational training for substance abusers and convicted criminals. It reintegrates its residents into mainstream society by operating various businesses - such as restaurants, catering and moving companies - all of which are wholly managed and run by the residents themselves. The foundation’s methods have been widely praised and have been emulated internationally.
For me, HALFWAY house offer a chance for the re-adaptation of rights, which means that halfway house compare to the prison has a completely different spatial arrangements. How to achieve this transformation in the space, I was more concerned about things.
(125-130 People) Program developed from Delancey Street Foundation

Function & Square Meter

**LIVING**
- 4000 SM
  - Living Units: 2000 SM
  - Corridor: 1450 SM
  - Public Bathroom: 150 SM
  - Outdoor Green: 950 SM
  - Reading: 400 SM
  - Canteen: 400 SM
  - Auditorium: 70 SM
  - Multifunctional Room: 500 SM
  - Health Care: 240 SM
  - Gym: 440 SM
  - Outdoor Green: 70 SM

**Living Services**
- 2000 SM
  - Corridor: 950 SM
  - Cooking Training: 350 SM
  - Kitchen: 750 SM
  - Interpersonal Training: 400 SM
  - Library: 480 SM
  - Clerical Training: 450 SM
  - Offices: 200 SM
  - Reception: 500 SM
  - Health Training: 440 SM

**EDUCATION**
- 7200 SM
  - Mannel Training: 2000 SM

**PUBLIC SERVICES**
- 2250 SM
  - Handcraft Shop: 200 SM
  - Handcraft Shop 2: 220 SM
  - Gallery: 180 SM
  - Station: 200 SM
  - Printshop/Advertising: 180 SM
  - Bookshop: 350 SM
  - Cafe: 270 SM
  - Restaurant: 650 SM
Publicity & Target Users

Different stages of the released inmates

Beginner
Not Well Trained yet
Well Trained

Private

Public

Public

Living Service

LIVING

Public

Public

EDUCATION

PUBLIC SERVICES

Public

Public

Public
Security Level = Height
According to social relationship, architectural scale and the area of vegetation, the new urban stripe could be divided into three grades: the relation between humans, the relationship between human and natural and the research of the natural. Due to the ‘halfway house’ is more based on the renewal between the human beings, I decided to position the site as a transitional space of the community, in the meantime, as a part of the urban area.
Starting from the internal area of the community, the building height within the urban band gradually increased, in the meantime, the architectural scale and the area of the landscape and farming area also enlarge gradually.
Expanding the scope of the site, there is the edge of the urban area and even barren community area, which causes a slit of the entire community space. In the planning of the community, we set relative urban farming land. Also by setting wetlands, we hope that it could create sustainable development and ecological balance within the community.
Locating in the edge and interface between the barren area and boundaries of the community, urban farming land is convenient for management and operation, while also forms a natural and vibrant interface of the entire wetland park.
The water area of the wetland has been divided into several areas according to the shape of the barren area, to ensure the accessibility sense of hierarchy of the wetland park.
The urban area within the site is consist of new buildings and existing buildings, the design is trying to achieve penetration from urban area to the community, and accelerate the regional integration.
Based on our urban design strategy, tram lines are constituted as a major public transportation within the site. Motor vehicle lanes’ appropriate detour enables pedestrian path become the main connection between the wetland park and community in the central of the site.
From the view of architectural section, the general site buildings are 12M height residential villas. Based on the concept of using ‘layers’ to separate the people living here, the architectural height of the design is more than 16m after layer superposition. This makes the scale of the building too tall, compared to the community, and the difficulty of communication also increases as the layer gradually increases.

Therefore, after the rethinking the combination of ‘layers’, I realized that due to differences in functions and no demand of daylight, the education part of the program could be placed underground, while the residents in the community could truly ‘walk inside’. No matter from up to down or from down to up, close communications could be preserved.
There are two ways of communication. One is through height difference and courtyard to create sight communications possibilities. The other one is serving and being served—— when the residents from the community using the public function of the ground floor, the lodgers in this building who are well trained and inmates released from the prison could serve them.
Keeping developing the concept of “layers”, combining vertical connections and the design of courtyards, this design tried to create an atmosphere of surrounding which is a relationship of mutual existence and supervision. For the community residents, the lodgers in these buildings are surrounded by the ordinary residents and also observing the community residents.
On the specific site division design, I chose the intersection area between the urban band’s boundary and communities’ unit boundary. Apart from the respect and complement to the site context, the aim of minimizing the architectural scale is to strengthen the existence of this architecture through a complete architectural outline. This is extremely important. Apart from the landmark sense of the tram station, the change of people in this building should and need to be observed by more people.
The site is divided into four directions by pedestrian path and tram route. These four directions have different properties which have offered the basis for public function arrangement.
The design close to the park is arranged leisure and quiet functions. Through serving here, the lodgers pick up more interpersonal capabilities. More service functions like printing, advertising and so on are arranged close to the internal side of the community, which is suitable for clerical training for the lodgers. The function between the sports area and community is set as handmade products shops, which has a very good connection with the commercial street.
The barren area surrounding the site has given me the inspiration in how to design a homogeneous space without chaos. Since the width of each building are around 6m to 9m, so I decided to use 3, 6, 9 as the basic mode to design public area. And the random based on the mode is continued in the court yard space.
Though connecting the architecture to the surrounding roads in the context, the distribution of different functions are preliminarily determined.
Although the two axes are not orthogonal, my design has chosen to emphasis the space along the community axis. This is because in the position the public area, I always have a inclination to the community. Though the contrast between the axis, the community recognition of the whole public space with be emphasized.
The same homogeneous space not only exist in the plan, also appeared in the facade. Based on the establishment of public space, the sunken plaza in generated by extending from ground to down, residential living service space is created from ground to up. The intersection of the up and down space has increased the possibilities of sight communications.
With a complete form, the residential layer connects from up to down. The concrete cores have both the function of transportation between up and down and structural support. Between the public space in the ground floor and sunken plaza, the court yard of the residential layer is generated.
Distributed throughout the whole site, the architectural farming vegetation combining with the roof makes the design a risen ground. In addition to fitting in the site in a milder way, this also expressed a position as a transitional building. The lodgers here are all ‘people not yet there’.
From the main truss to the concrete.
From the secondary truss to the main one
From the hang unit to the secondary structure

The transmission of power
Theory: 1. In biological concrete, the magnesium phosphate makes the concrete slightly acidic. 2. The parameters used in making the biological concrete are adjusted for the desired level of porosity and surface roughness to encourage colonization.

Advantages: 1. Act as a substrate for vertical gardens that is simple 2. Low maintenance and requires little or no attention. 3. Growths on the panels can act as insulating material and a thermal regulator.
Uh......
I just want to say
Thank you all.