

PORTFOLIO | XIN JING

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Major In Architecture In Chang'an University



Preface

Architecture goes with much potential ; in turn makes itself a motivator to its surroundings ; Interface is the carrier of this motivating process ; It is the border zone, the in-between shared by architecture and other systems, where the transmission of signs translates virtualities into potential effects . Like the picture beside, the undulant surface of desert which is formed by interaction between sands and air flow can still recall people’ sense of wind even it is invisible.

This portfolio contains the thinking and design of work of Xin Jing.

Content

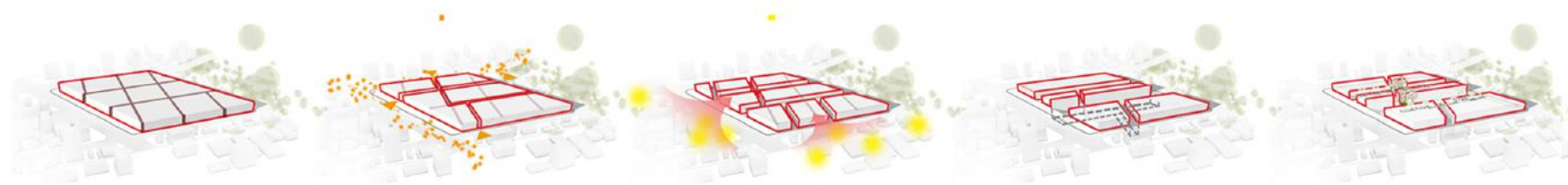
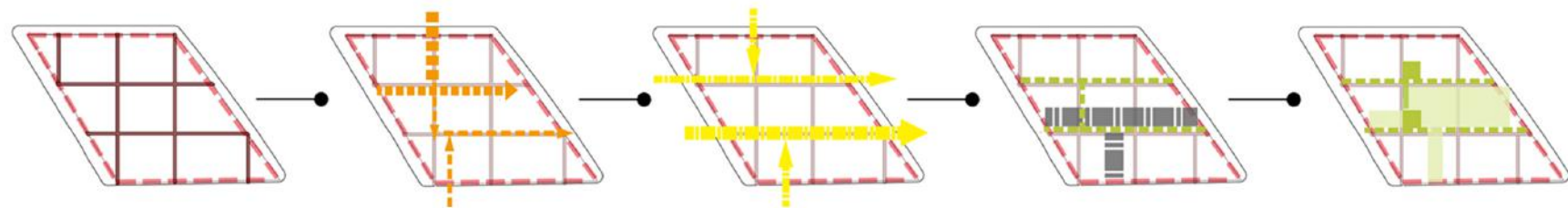
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	Gymnasium	
	Green Single Residential Building	
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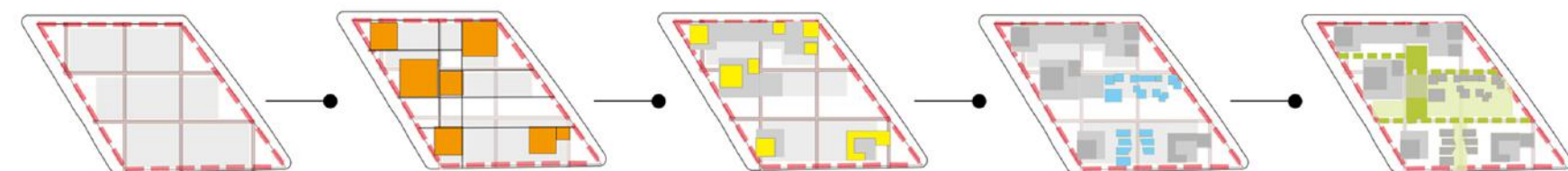




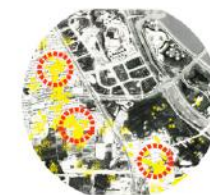
## Concept Generation Process



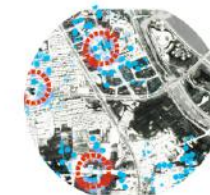
## Building Generation Process



Location Of Site



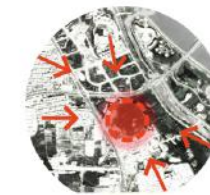
Residets



Alien Presence



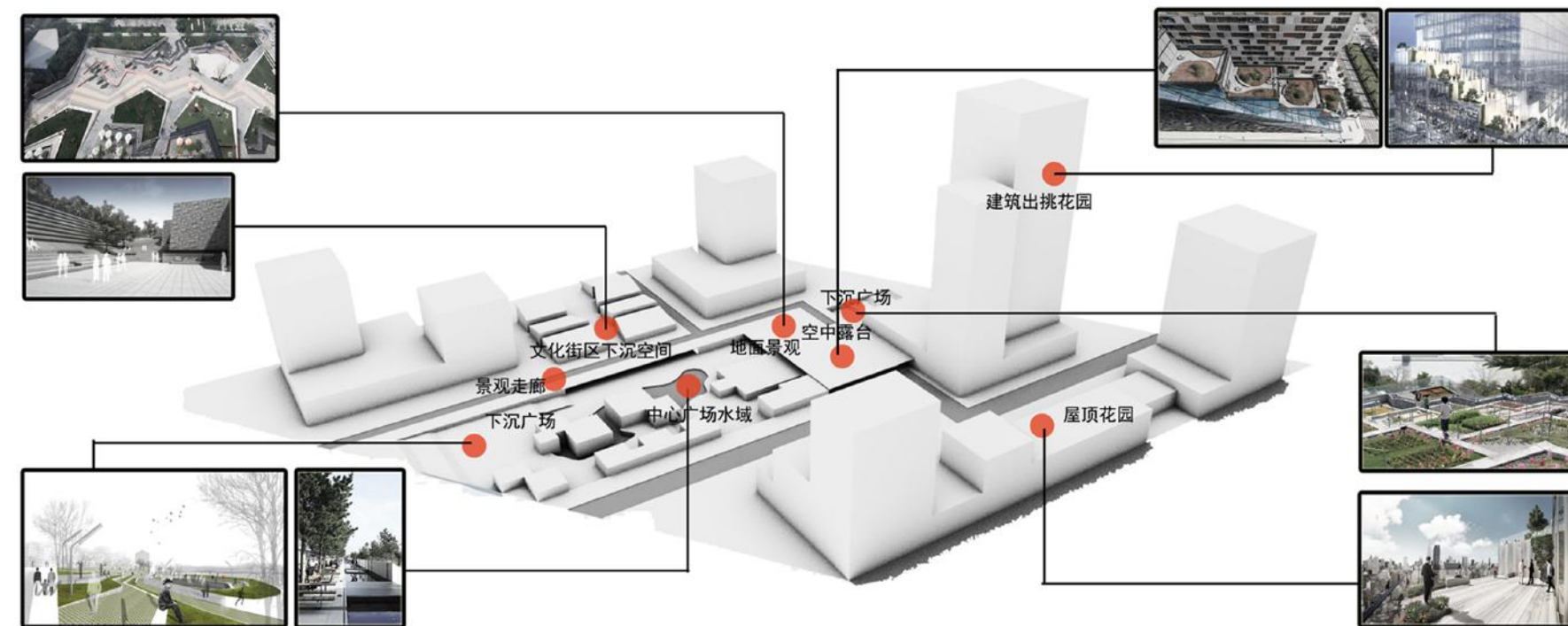
Industrial Park Visitor



Base Stream Of People

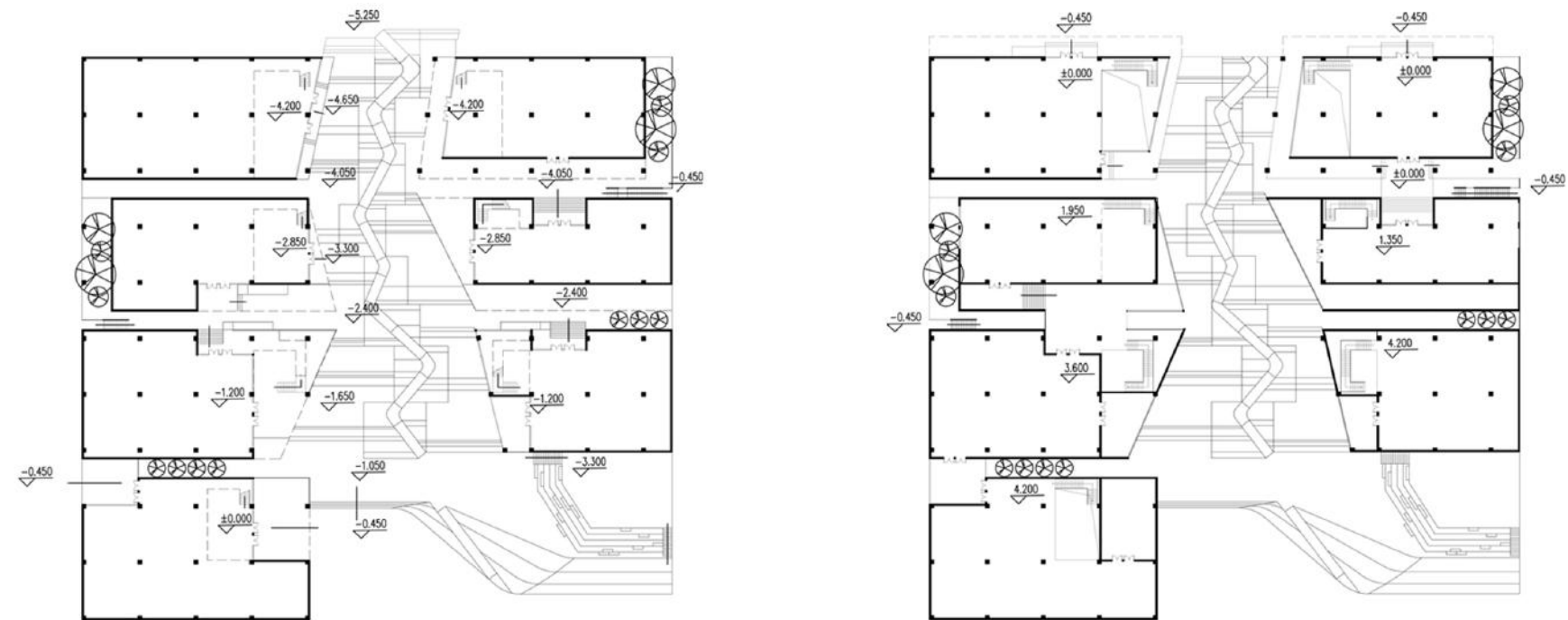
## Architecture Intent

## Space Time Distribution Map Around The Site

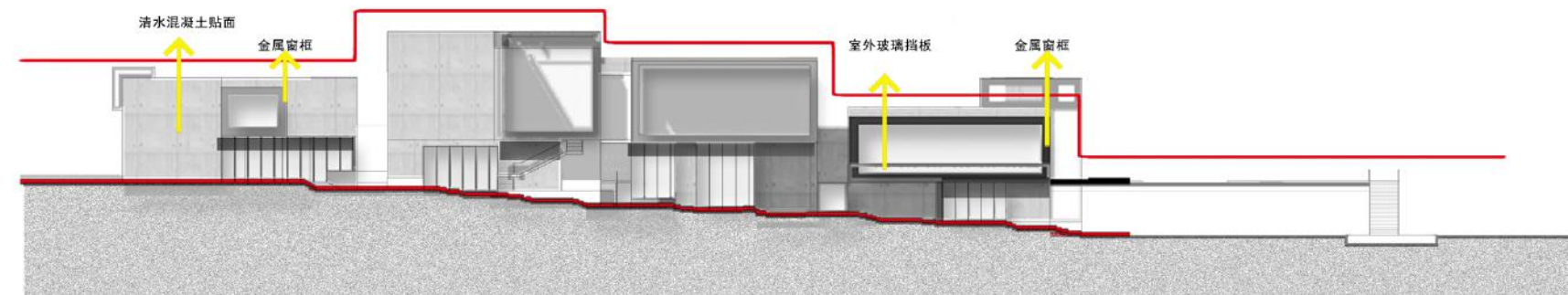




The First & Second Plan Of Cultural Area



The Elevation Of Cultural Street



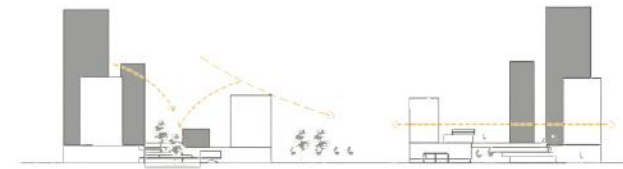
Cultural Buildings



Stream Of The People

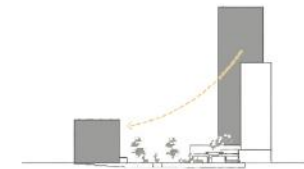


Block Analysis



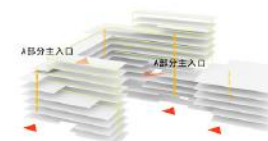
Distance

Hight

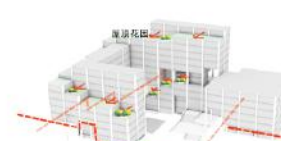


Sight

Apartment



Traffic System



Landscape Analysis



Sight

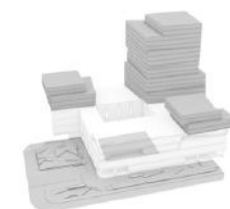


Sunsight

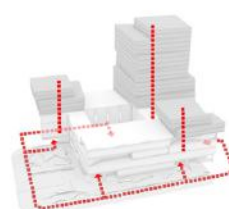


Wind

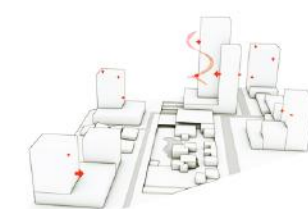
Hotel



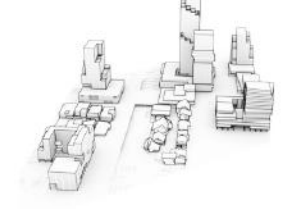
Block Analysis



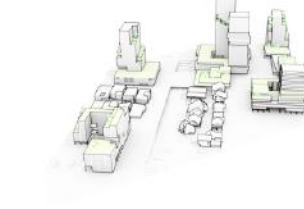
Traffic Node



Block

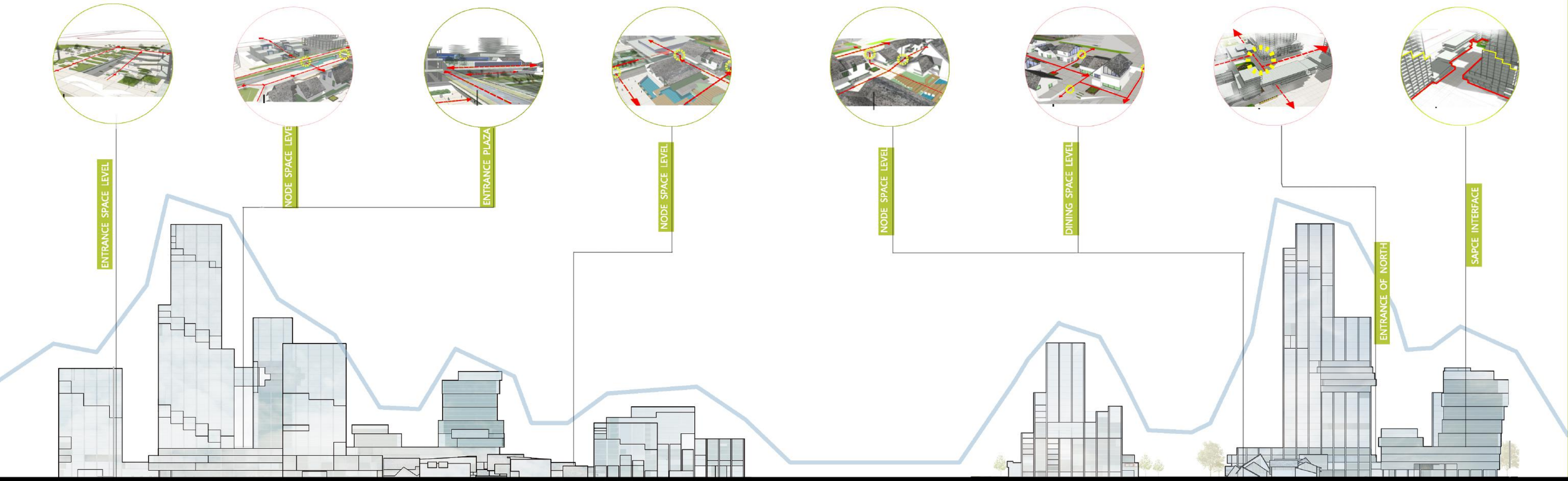


Sculpt



Landscape

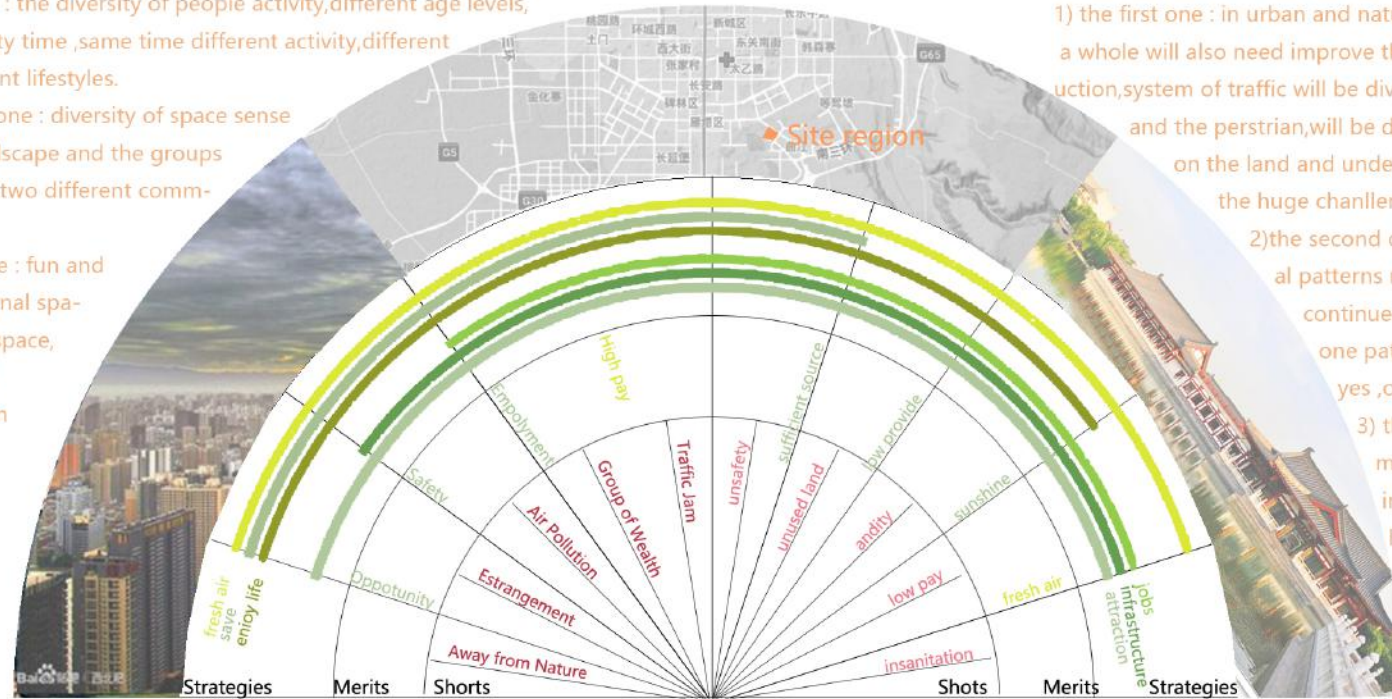






## Planning Target

- 1) the first one : the diversity of people activity,different age levels, different activity time ,same time different activity,different families,different lifestyles.
- 2) the second one : diversity of space sense change of landscape and the groups of living styles.two different community groups.
- 3) the third one : fun and healthy.personnal space and public space, rest space and communication space.



## Existing Prblms

- 1) the first one : in urban and nature land ,development as a whole will also need improve the relevant system constrction,system of traffic will be divided into the cars traffic and the perstrian,will be divided into the system of on the land and under the land,this is wil be the huge chanllenge.
- 2)the second one : traditional residenti al patterns need to be resesrched and continued..but the new one pattern need to try it .may be yes ,or no.
- 3) the new community groups maybe become the most interesting patterns.peop- le fun and health.

## Functional Analysis



Cultural Area



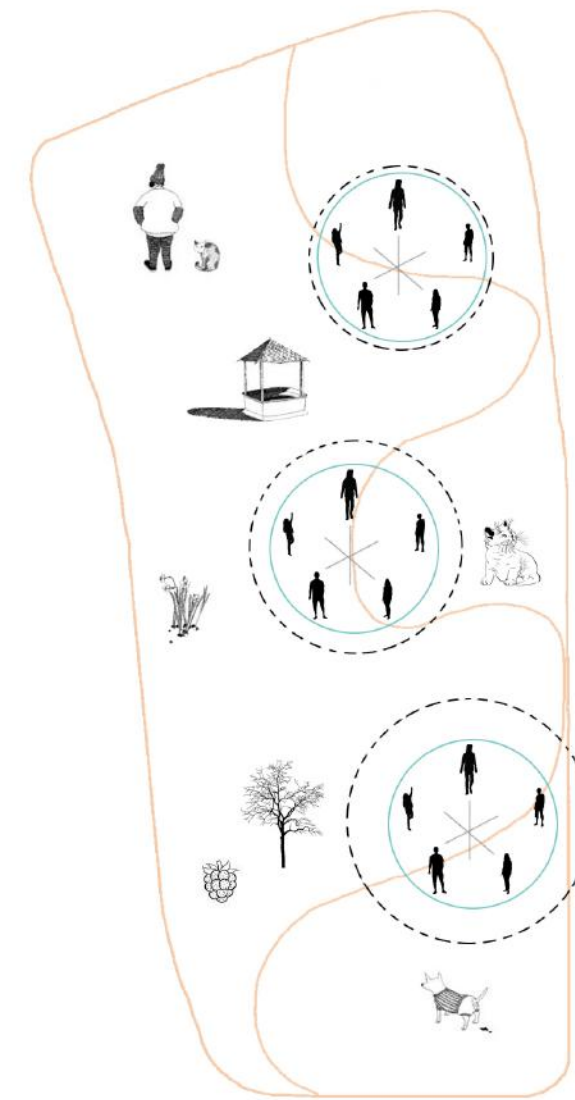
Residential Area



Environmen Type

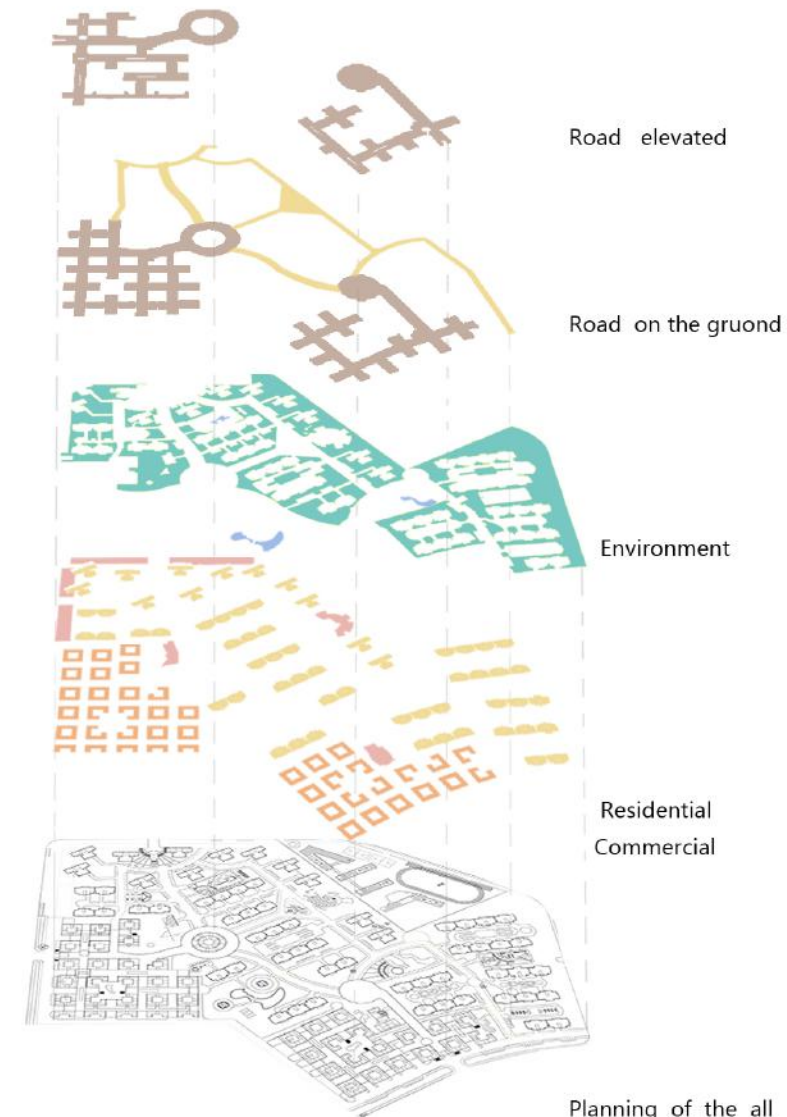


Way for Connection



Among the housing cluster,outside space penetrates indoor space,and in this way various people here able feel their naturallifes,and communicate with each other.

## Systems of the Residential Area



Planning of the all



# The Concept From



Quad pattern



Into the courtyard



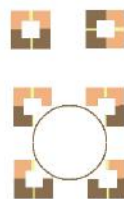
new pattern



LiFang in Tang Dynasty



New change and challenge



The plans on the natural area



## The Elevation Of West Side



## Perspection



Kindergarten



Transit node



Environment



Transit space



Yard node

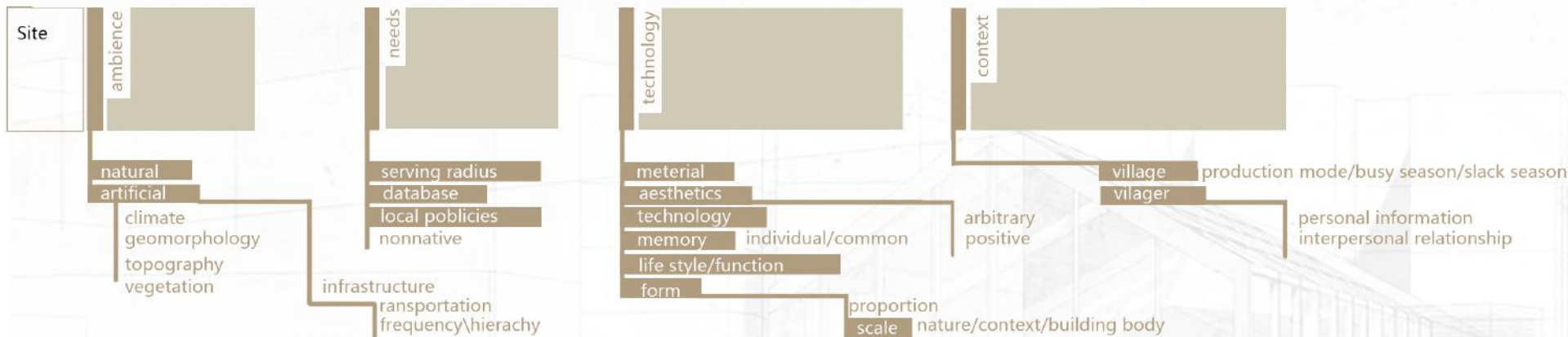


Residential Region Planning



thread : tope-down creative common space

scale of context/scale of body



## Cultural and Creative Industrial Park

Type: Pubilc Building

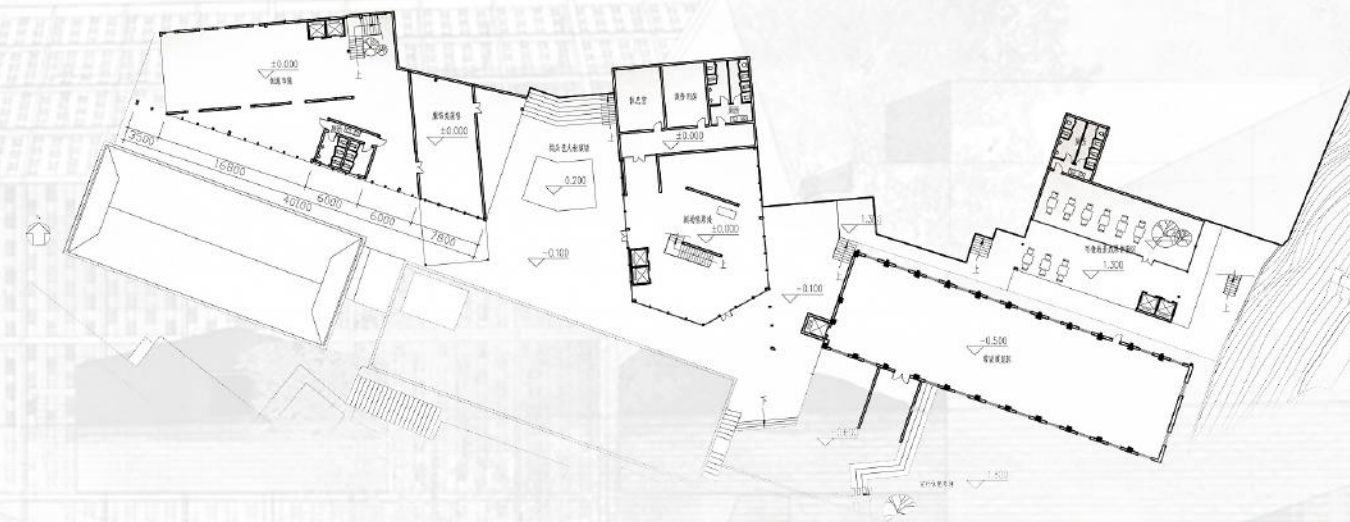
Size: 2300 m<sup>2</sup>

Location : 107°40'E/33°41'N

Chan Ba Region /Xi' an /

Province Shan' xi/China

Role: Creator



首层平面图 the first-floor plan

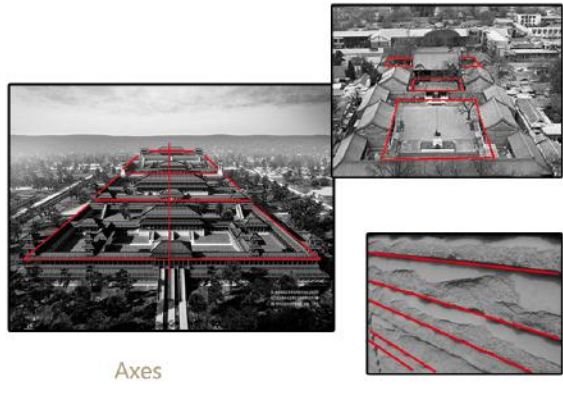


1-1 剖面图 SECTION 1-1



2-2 剖面图 SECTION 2-2



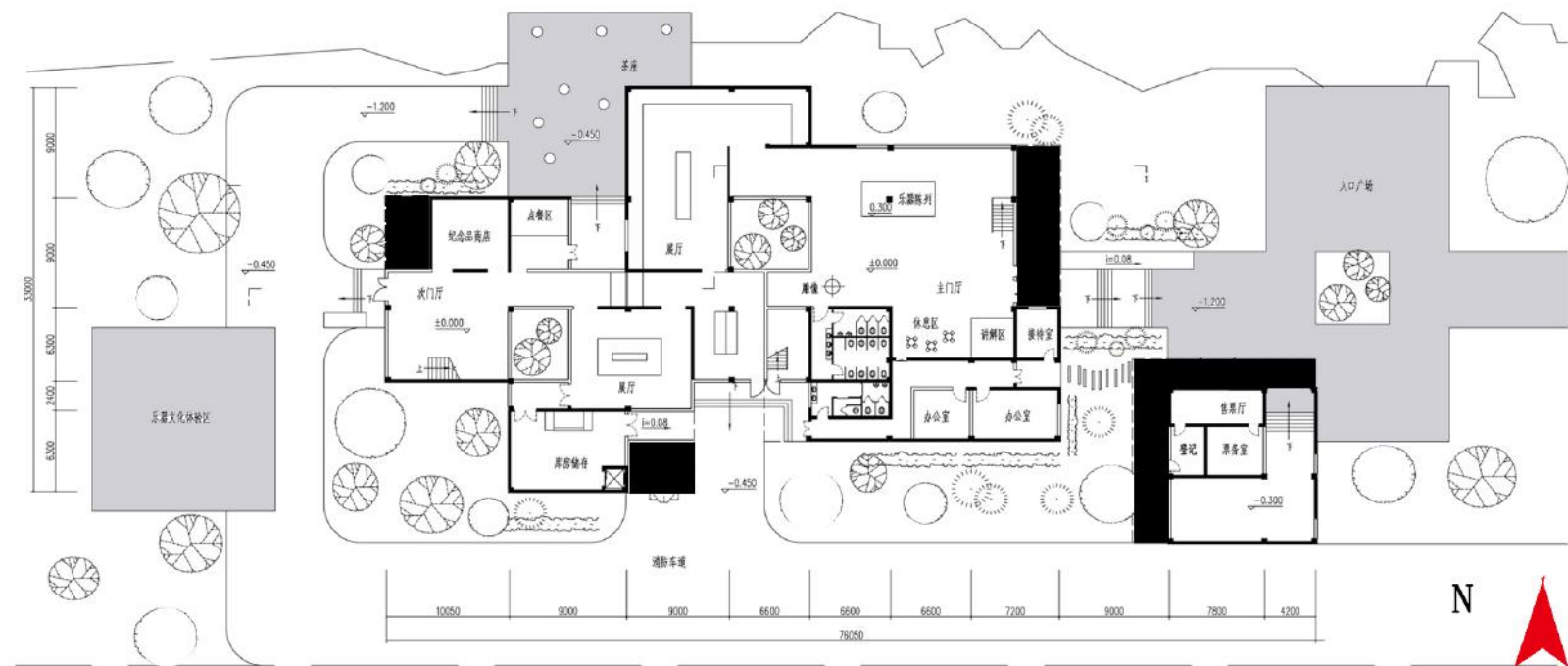


## Museum Design --Han chang' an Cheng

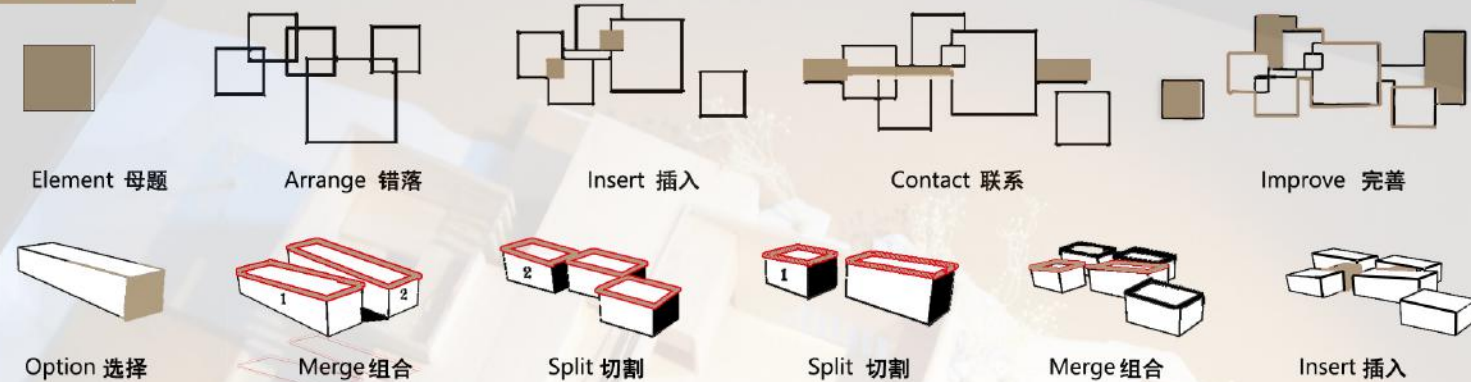
Type : Public Building

Size : 2000 m<sup>2</sup>

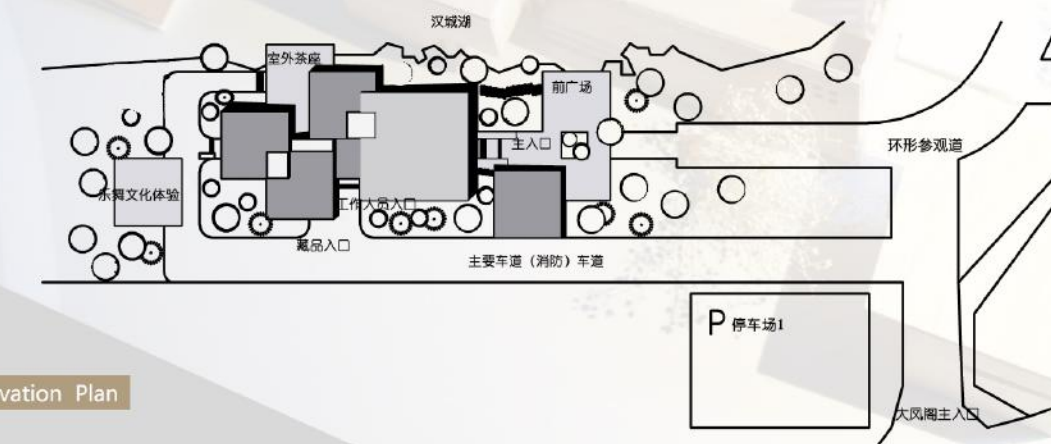
Location : Han Ruins Park In Xi' an



### Process Of Concept



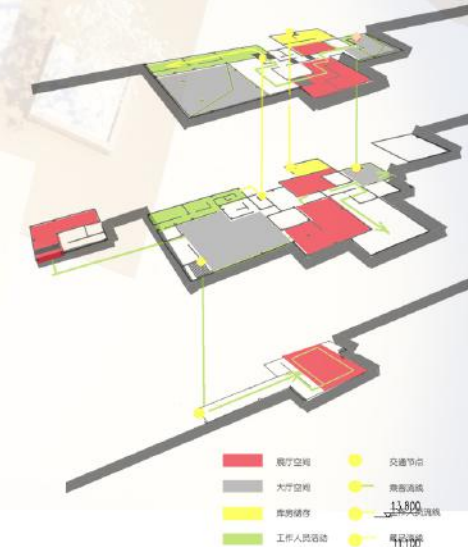
### The Site Plan



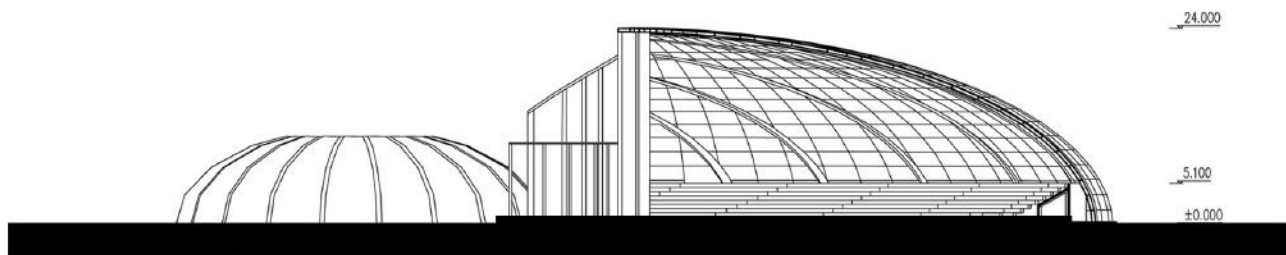
### The Elevation Plan



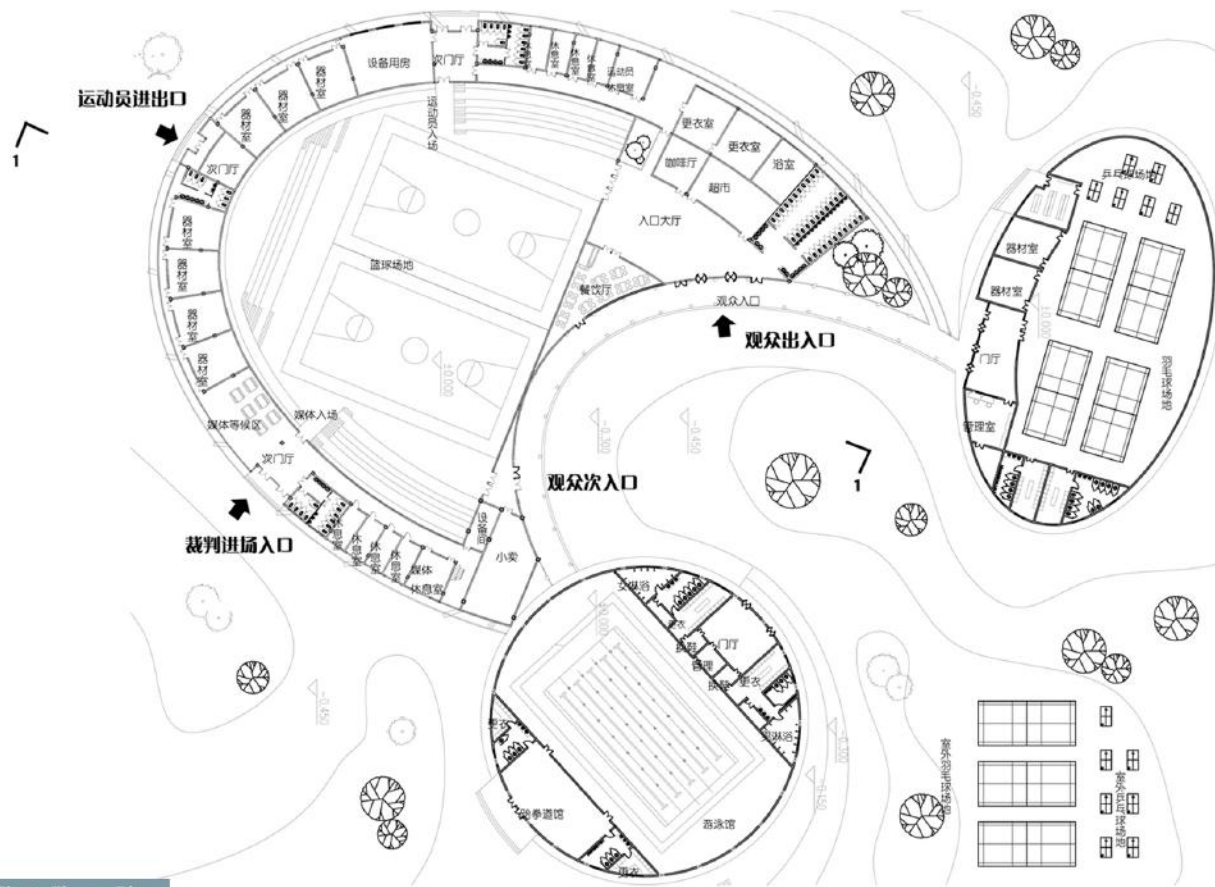
### Traffic And Function Flow







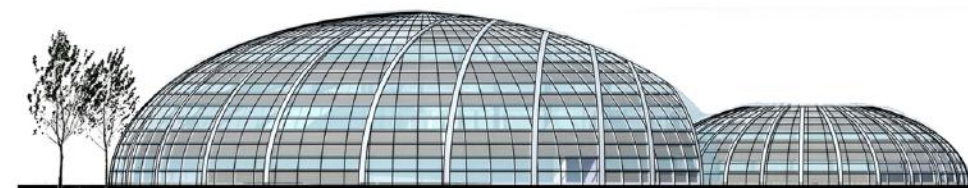
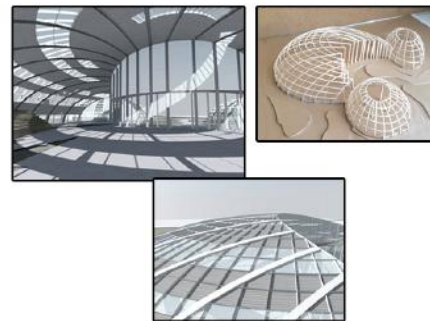
The Section Plan



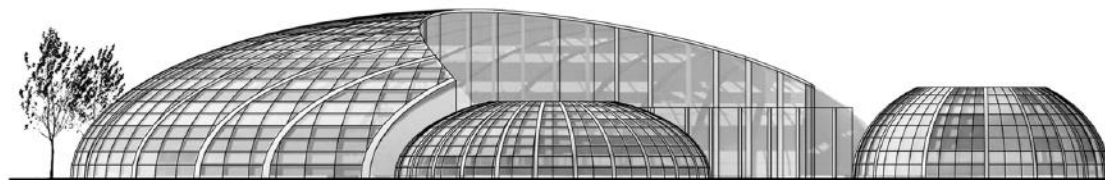
The First Floor Plan

## Gymnasium Design

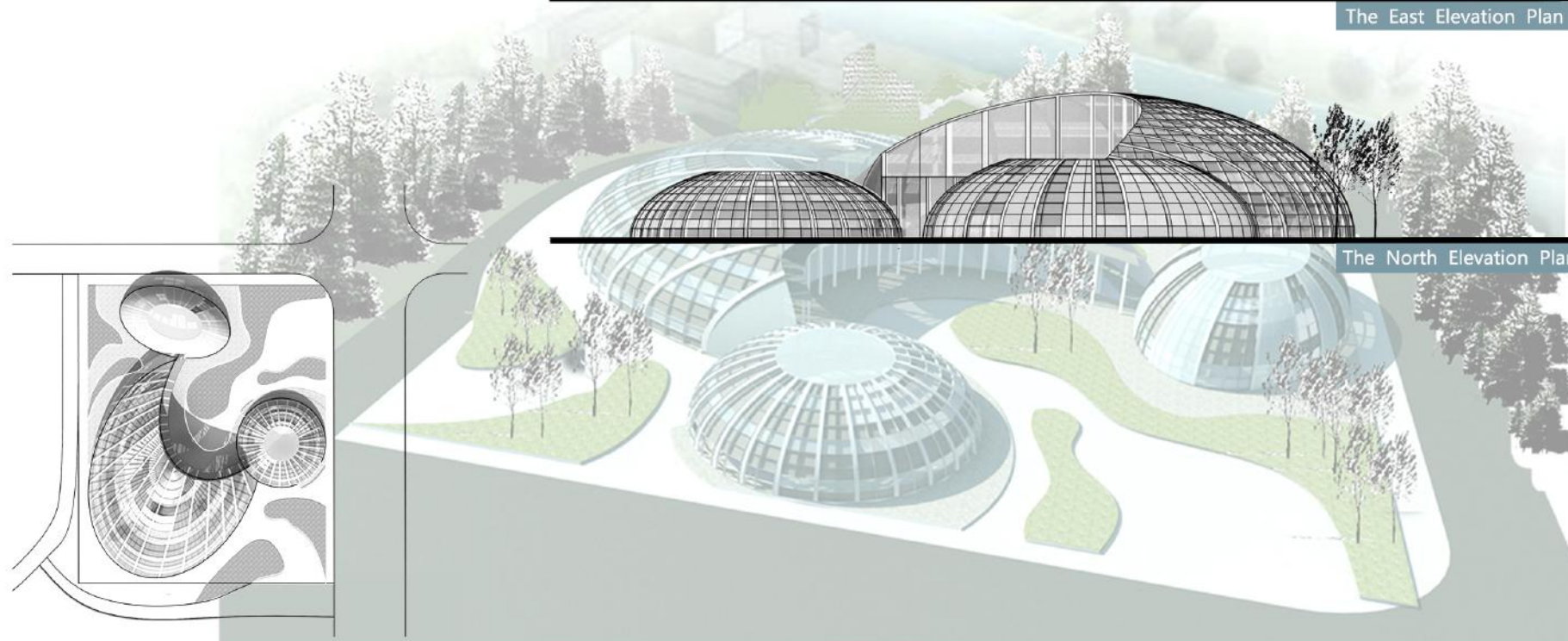
In Chang'an University



The South Elevation Plan

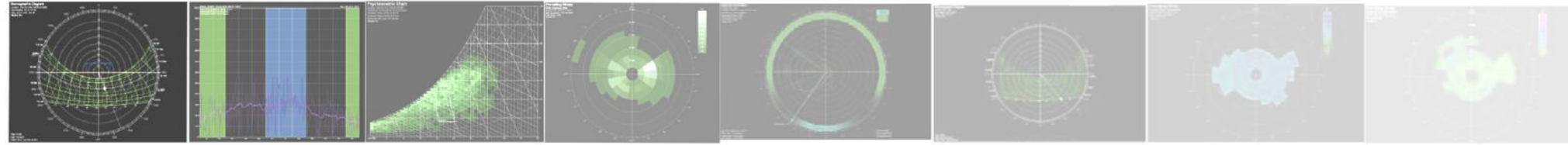


The East Elevation Plan

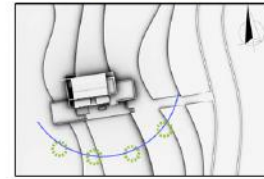


The North Elevation Plan





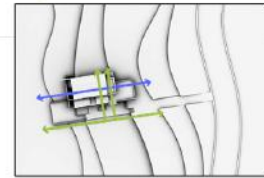
Planning Strategy In Site



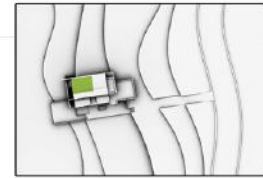
Layout And Orientation



Environment And Placement



Natural Air Conditioning



Cover Soil Building



Wind Environment In Summer



Warm Environment In Winter



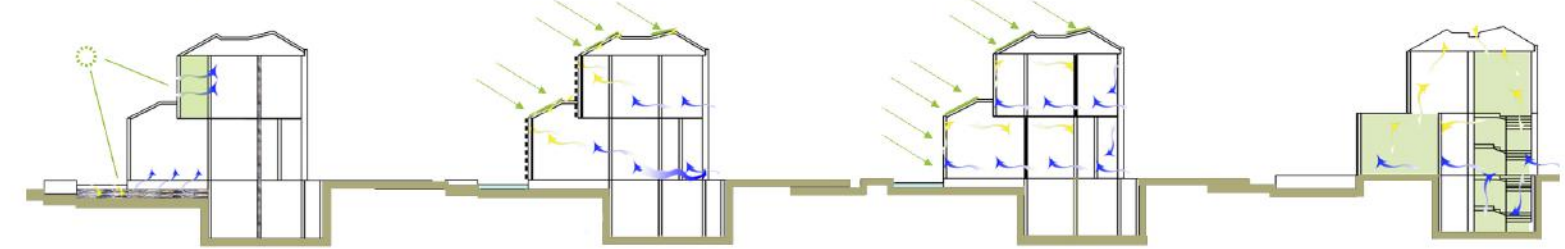
Pespection Indoors And Outdoors



## Green Single Family Residential Design

Site	Type	: Single Residential Building
	Location	: Mountain Qinlin In Xi' an
	Signal	: Green Architecture

About Energy Conservation



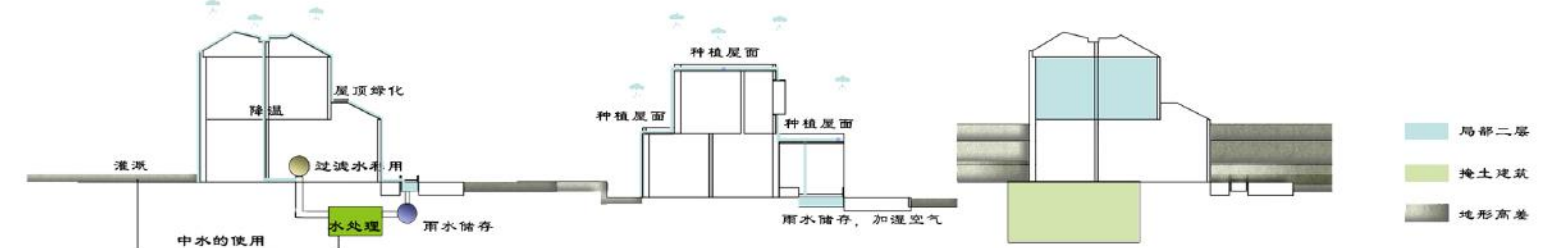
Design Of The Damping Area

Summer Day

Winter Day

Stack Effect

About Water Conservation



Rainwater' s Collection And Utilization

Cover Soil Building

About Sun Shading System



West Elevation



South Elevation

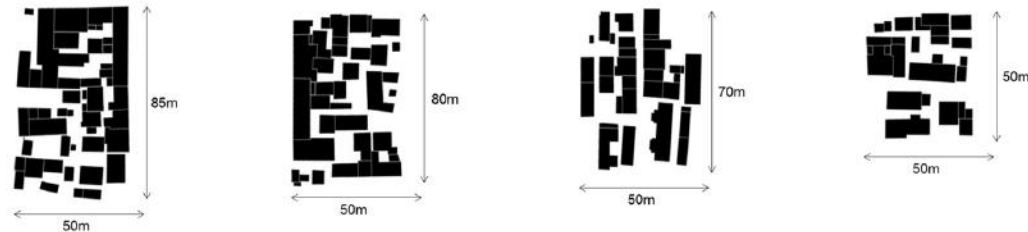


East Elevation

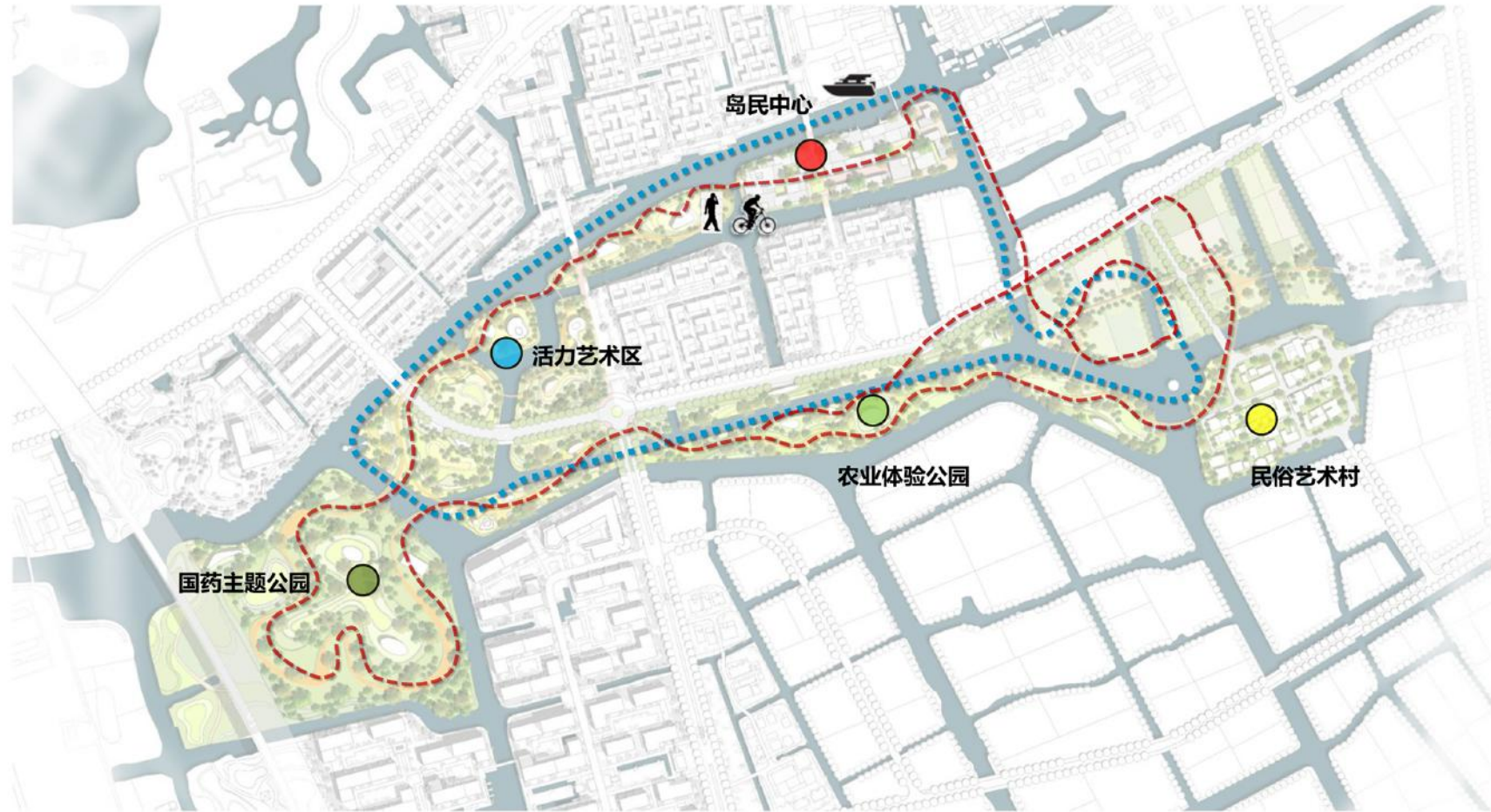
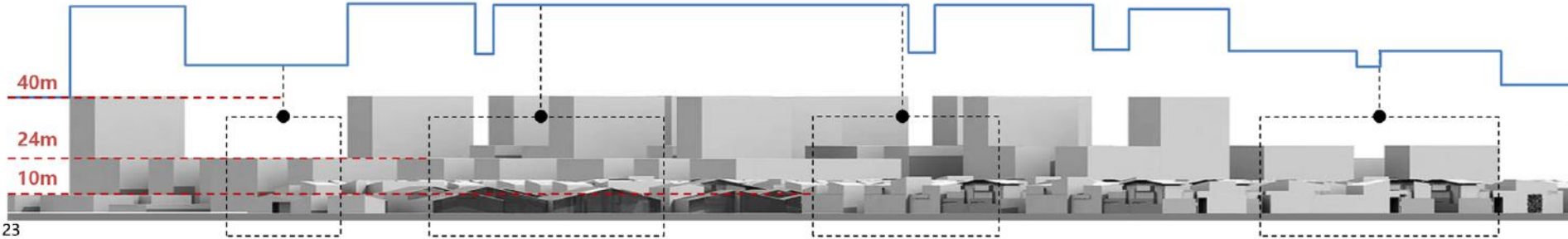


About Urban Region Planning --Heng Mian Street

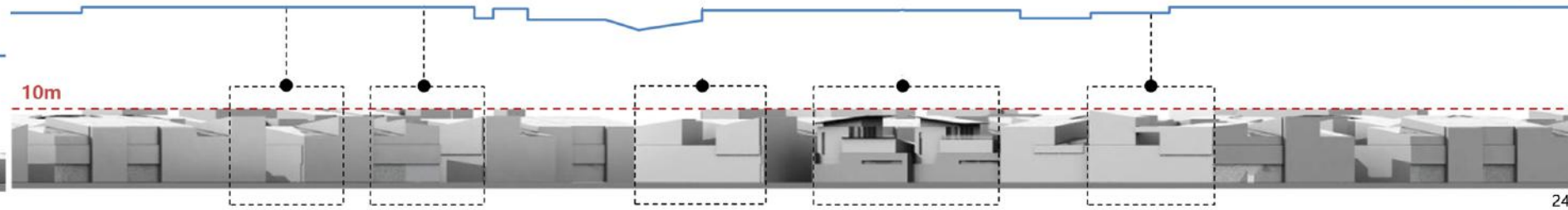
Ancient City Texture



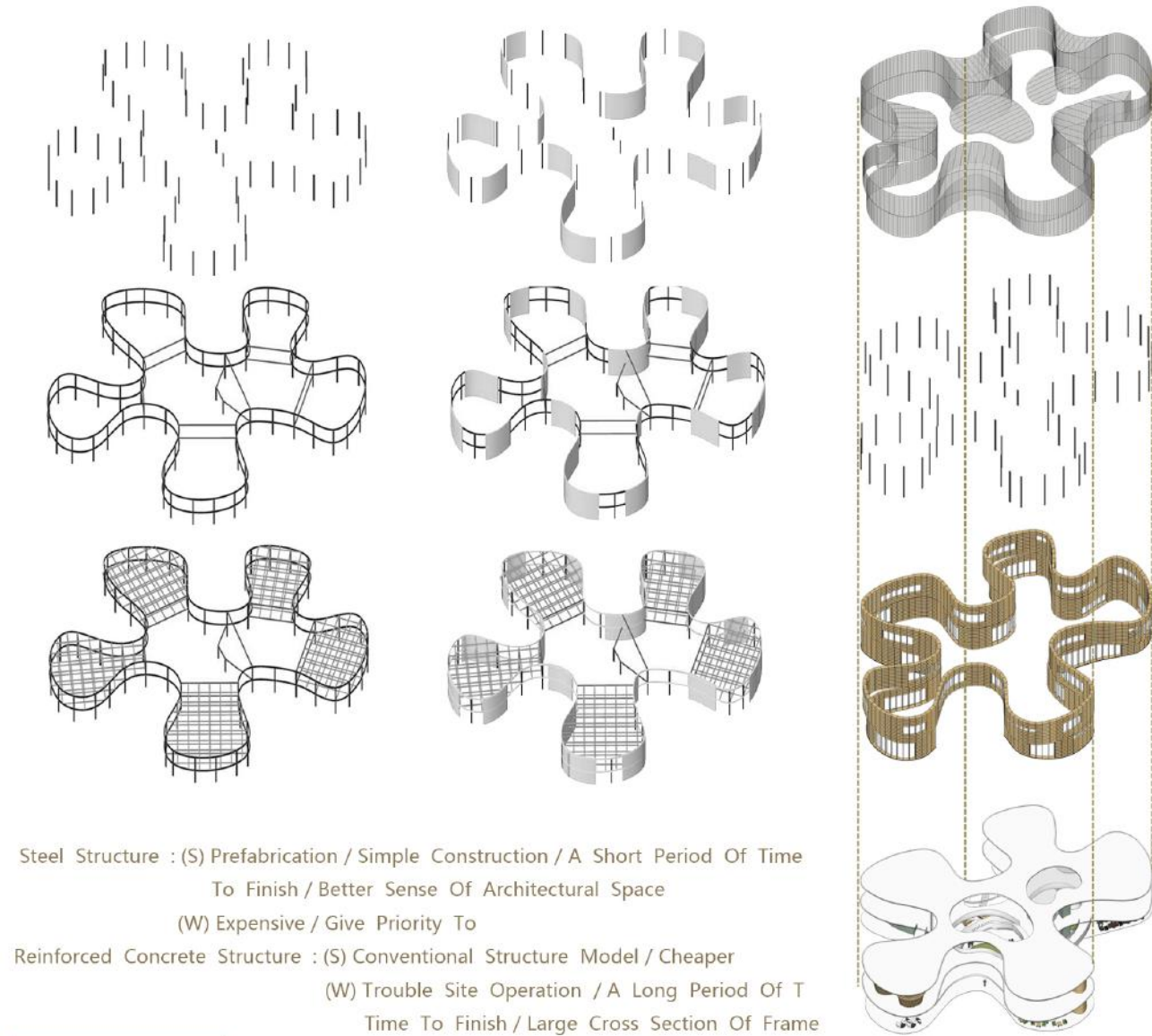
Environment Texture



Planning Intepretation

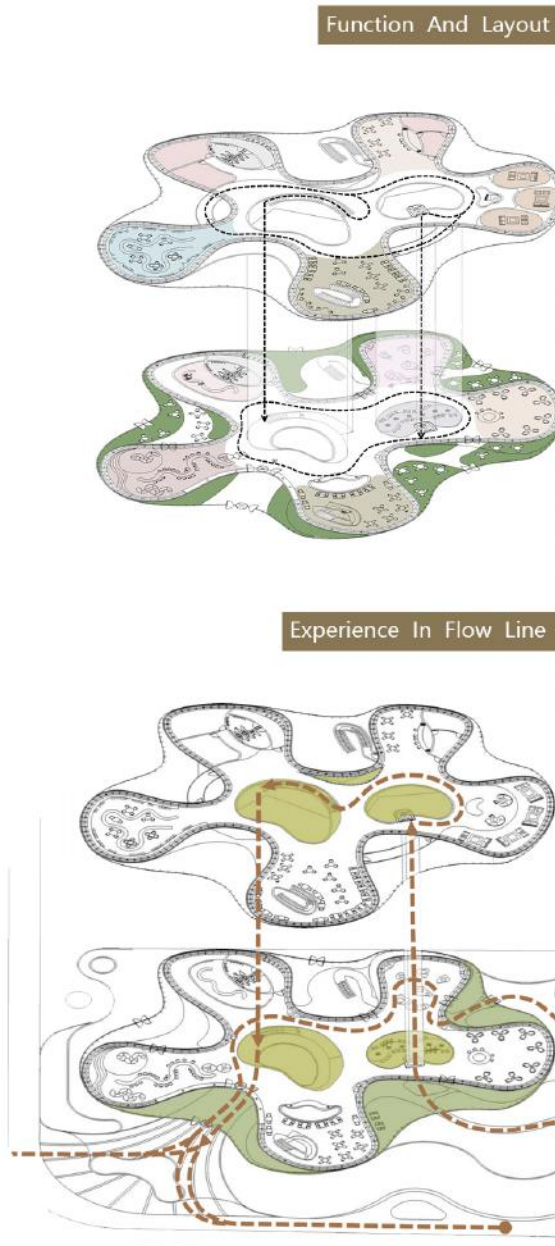






Steel Structure : (S) Prefabrication / Simple Construction / A Short Period Of Time To Finish / Better Sense Of Architectural Space  
 (W) Expensive / Give Priority To  
 Reinforced Concrete Structure : (S) Conventional Structure Model / Cheaper  
 (W) Trouble Site Operation / A Long Period Of Time To Finish / Large Cross Section Of Frame Beam / Poor Architectural Sense Of The Effect

Structure Selection



Function And Layout

Experience In Flow Line

## The Concept Program Of The Golden Expreience Center

Type : Public Building  
 Size : 3000 m<sup>2</sup>  
 Role :Joining Designer

