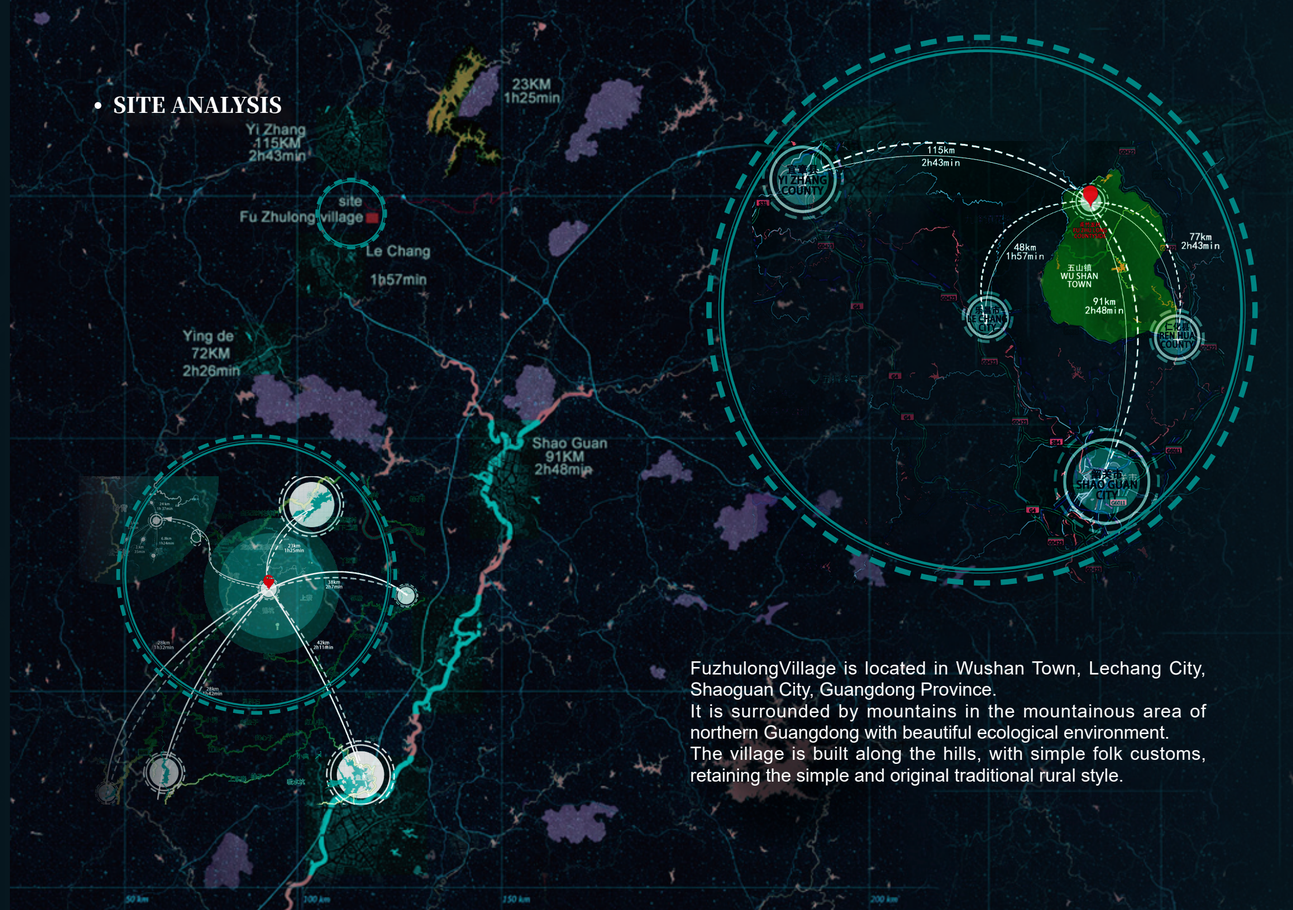
‘Hollow’ Village

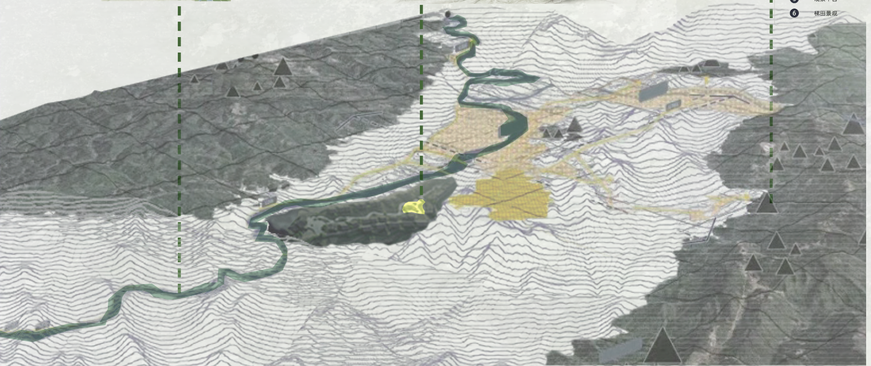
• SITE ANALYSIS

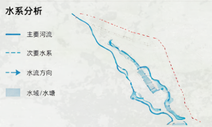


FuzhulongVillage is located in Wushan Town, Lechang City, Shaoguan City, Guangdong Province.
It is surrounded by mountains in the mountainous area of northern Guangdong with beautiful ecological environment.
The village is built along the hills, with simple folk customs, retaining the simple and original traditional rural style.

- Geographic coordinates: Surrounded by mountains
  Fuzhulong Village is located in Wushan Town, Lechang City, Shaoguan City, Guangdong Province, nestled among the mountains of northern Guangdong's hilly region, boasting excellent natural surroundings.
- It is located in a remote area and can only be accessed via a winding village road. This isolation has prevented excessive development, allowing it to retain more of its original natural and cultural features.













现状照片


梯田景观


河流与建筑


中心水塘

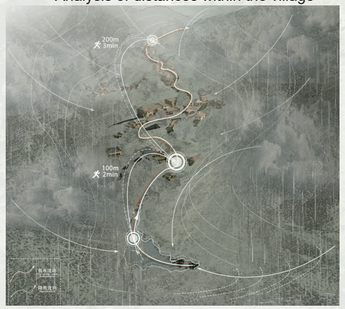

沿河步道


入口广场


观景平台



Analysis of distances within the village



Fuzhulong Village is located in Wushan Town, Lechang City, Shaoguan, Guangdong. It is nestled in the deep mountains of northern Guangdong, with superior natural scenery.

The residential buildings are typical Hakka rammed earth tile houses, built along the mountains, retaining the original ancient village architectural style.

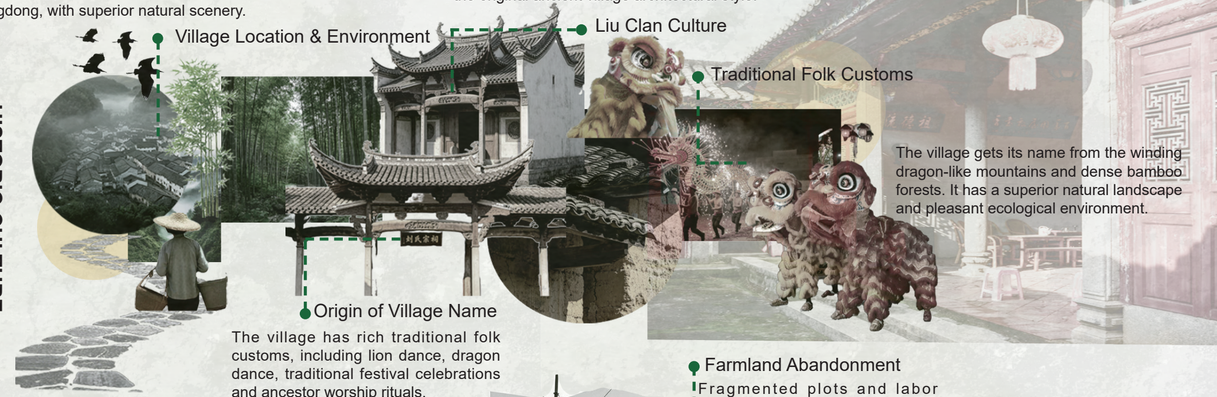
HISTORIC CULTURE

Village Location & Environment

Liu Clan Culture

Traditional Folk Customs

The village gets its name from the winding dragon-like mountains and dense bamboo forests. It has a superior natural landscape and pleasant ecological environment.



Origin of Village Name

The village has rich traditional folk customs, including lion dance, dragon dance, traditional festival celebrations and ancestor worship rituals.

THE REASONS FOR HOLLOWING OUT

Lack of Basic Services

No medical or commercial facilities, making daily life inconvenient.

Farmland Abandonment

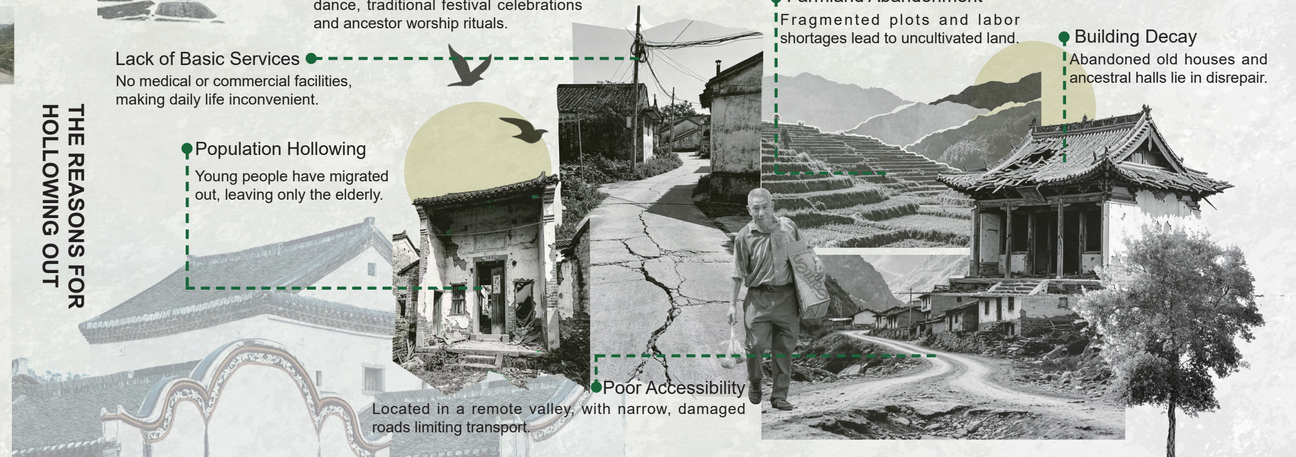
Fragmented plots and labor shortages lead to uncultivated land.

Building Decay

Abandoned old houses and ancestral halls lie in disrepair.

Population Hollowing

Young people have migrated out, leaving only the elderly.



Poor Accessibility

Located in a remote valley, with narrow, damaged roads limiting transport.

THE FORMATION OF COLD SPRINGS

Cold springs are the most distinctive feature of this village. A thorough investigation into the causes and process of their formation reveals that groundwater is squeezed upwards by limestone, resulting in cold springs. These springs are rich in various chemical elements and offer numerous health benefits.



usage

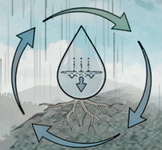
drink

Making tea and cooking delicious food

Take a medicinal bath



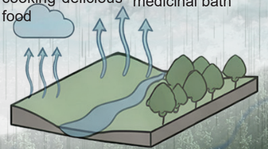
可溶性的石灰岩
Soluble limestone



水循环系统
water circulation system



喀斯特（岩溶）地貌
Karst (limestone) landform



矿物质的地下水
Mineral-rich groundwater

Water source: The main source of replenishment is the abundant local atmospheric precipitation.

Channel: Rainwater seeps into the ground and circulates deep underground through channels formed by the long-term water erosion of limestone, such as caves and fissures.

Chemical reaction: Groundwater dissolves calcium carbonate in rocks, making the spring water rich in minerals and forming HCO3-Ca type water quality.

Deep impermeable barrier (granite/shale)

Consumption: Helps replenish minerals, regulate the digestive system, and promote metabolism.

Bathtub bath: Carbon dioxide can dilate blood vessels and promote blood circulation. When the bubbles burst, they have a slight massage effect, which is beneficial for the skin and helps to relax the body and mind.

二氧化碳气体
Carbon dioxide gas

铁 Fe

碳酸氢根与钙、镁
Bicarbonate and calcium, magnesium

锶 Sr

硒 Se

偏硅酸
metasilicic acid

Deep groundwater circulation

Calcium carbonate dissolution

在溶洞、裂隙通道进行深部循环
Carrying out deep circulation in caves and fissure channels

石灰岩
limestone

地下水受压向上涌
Groundwater is pushed upwards under pressure.

Blocked upsurge: When mineral-rich groundwater is flowing and encounters deep impermeable rock formations that act as a barrier, the hydraulic head pressure will force it to move upward along vertical fissure channels, eventually spouting out onto the surface at the lower part of Guichulong Village and forming a cold spring.

RARE PLANT-BASED MEDICINAL RESOURCES

Functions: Clears heat, detoxifies, calms liver, improves eyesight.

Wild Chrysanthemum



Functions: Reduces swelling, activates meridines, diuretic.

Chinese Yew



Functions: Clears heat, detoxifies, dispels wind-heat.

Honeysuckle



Functions: Tonifies qi, calms spirit, relieves cough and asthma.

Wild Ganoderma Lucidum



Functions: Clears heat, resolves phlegm, relieves restlessness.

Bamboo



Functions:Strengthens spleen and lung, eliminates dampness, relieves cough.

Five-finger Fig



Functions: Tonifies spleen, improves immunity, nourishes body.

Wild Mushrooms

Abundant natural resources are the most distinctive feature of Fuzhulong Village. The unique cold springs and the rich variety of vegetation and medicinal plants.

Target audience

Starting from the unique industry, analyze the target audience of the industry.



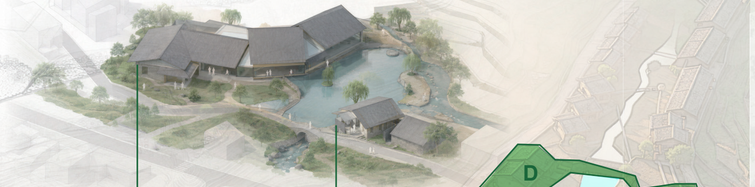
自主返乡创业
Return to one's hometown to start a business independently

城市休闲放松
Urban leisure and relaxation

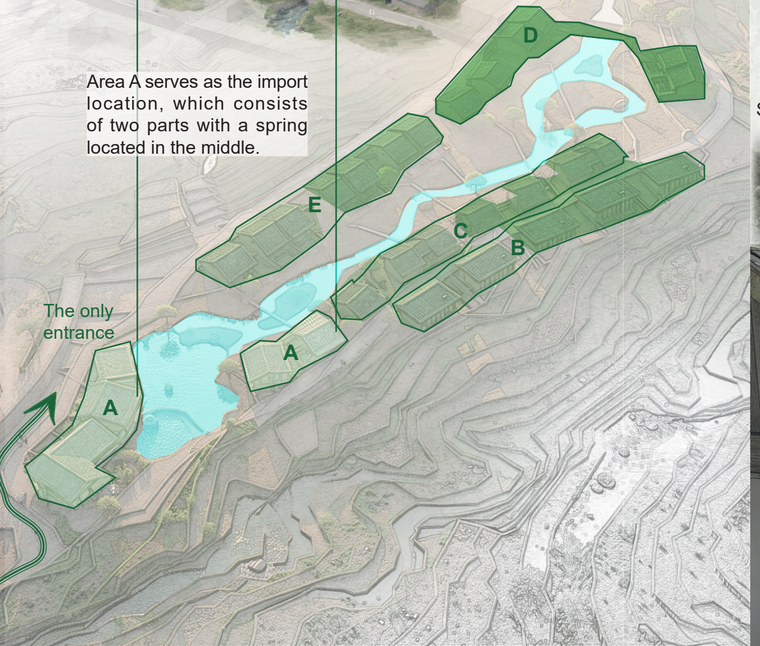
中医药疗愈&冷泉疗愈
Traditional Chinese Medicine Healing & Cold

周边村民体验学习
Local villagers' experience and learning

The area I'm responsible for is A.

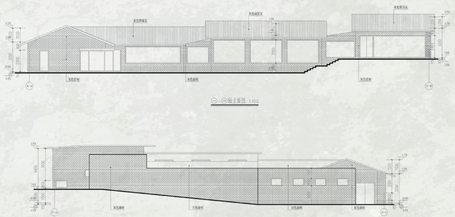


Area A serves as the import location, which consists of two parts with a spring located in the middle.



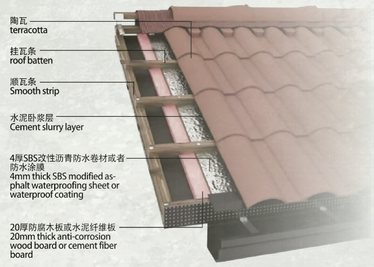
Analysis of Area A

The main part of the drawings for Area A

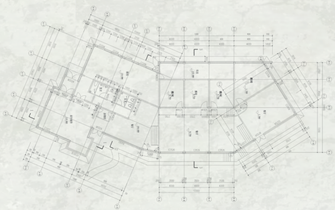


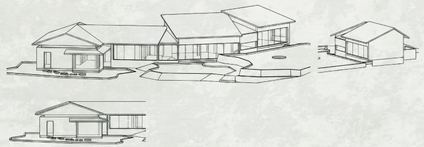
Structure of the old house



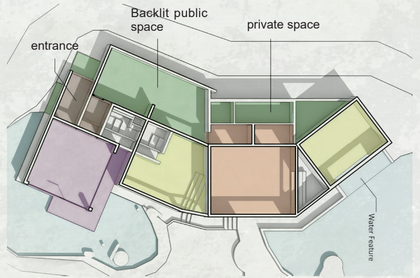


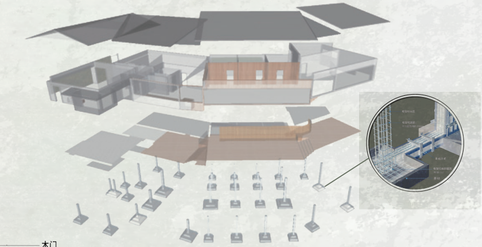
The structure of the roof is designed to be stable and waterproof. After disassembly, it can be reassembled to maintain stability.



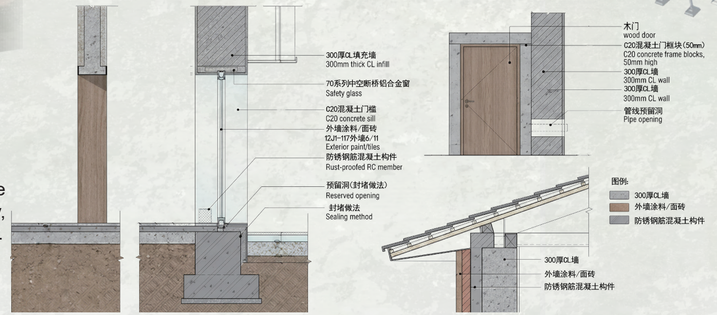


The houses in Area A are composed of a main building and two smaller ones. As you move along from the entrance, the terrain gradually rises.





The wall structures of the two small houses in Area A are constructed with reinforced concrete, serving as the supporting elements. The main building walls in Area A are made of infill walls, with reinforced concrete columns providing support. The infill walls can be modified, but several concrete pillars cannot be moved.

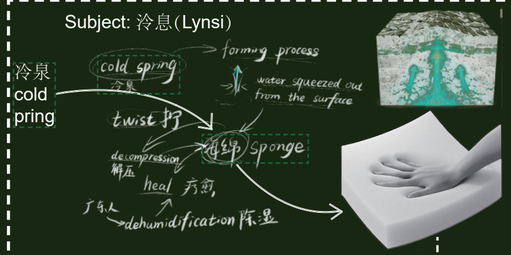


Reinforced concrete columns come in various types,distinguishing between those with different levels of bearing capacity. Areas with strong bearing capacity should not have the walls modified.

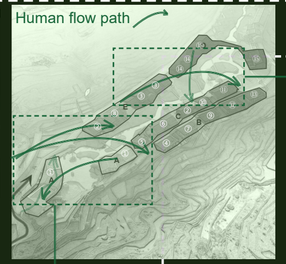
- **DESIGN SKETCH DEVELOPMENT**

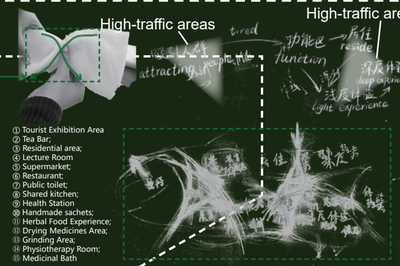
The overall village layout design

Subject: 冷息(Lynsi)

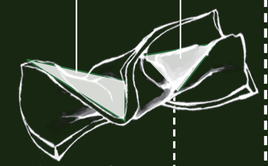


Twist a piece of sponge along the human movement path. The sponge will assume a deformed state, transforming into a textured form with undulations, and forming two closely arranged triangles.

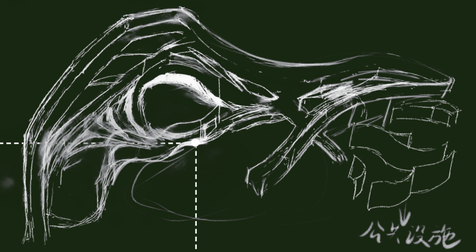




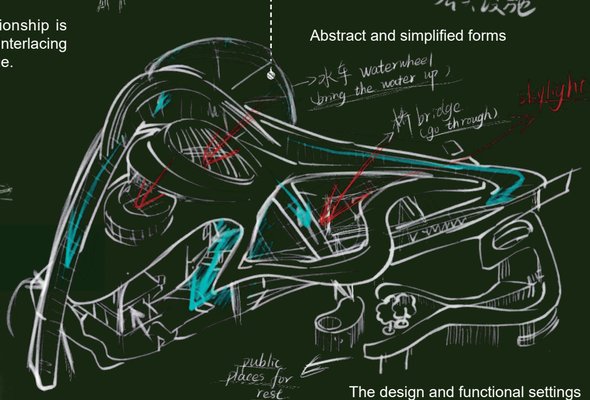
These two dense triangles serve as bridges connecting the areas between each other.



The vegetation serves as the organic framework of the village, while the springs run through the entire village, providing the necessary support for the village.
Extract the form of water flowing downward, combine it with the action structure of picking tea, create an internal structure, abstract the picking tea action, and combine the two to transform into space.

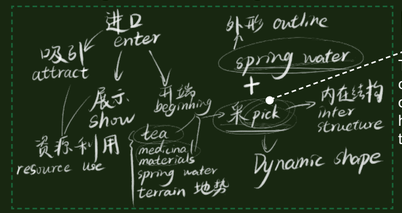


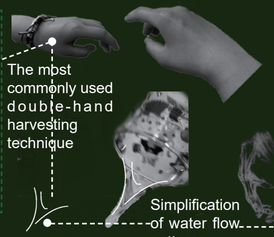
Abstract and simplified forms



The design and functional settings

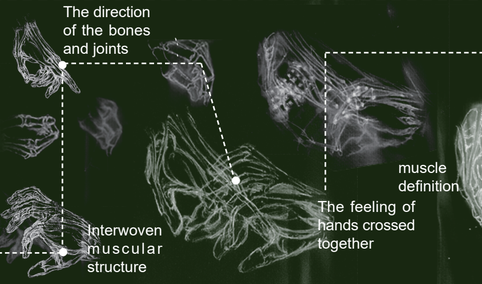
Sketching and reasoning for Area A





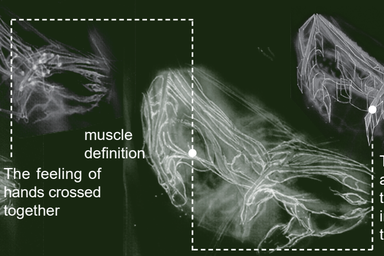
The most commonly used double-hand harvesting technique

Simplification of water flow patterns



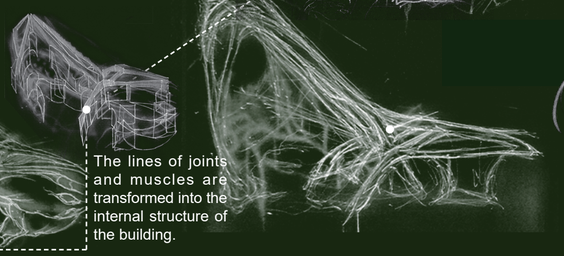
The direction of the bones and joints

Interwoven muscular structure



The feeling of hands crossed together

muscle definition



The lines of joints and muscles are transformed into the internal structure of the building.

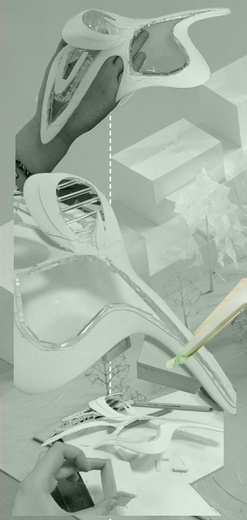
The interlacing relationship is transformed into the interlacing relationship of a bridge.

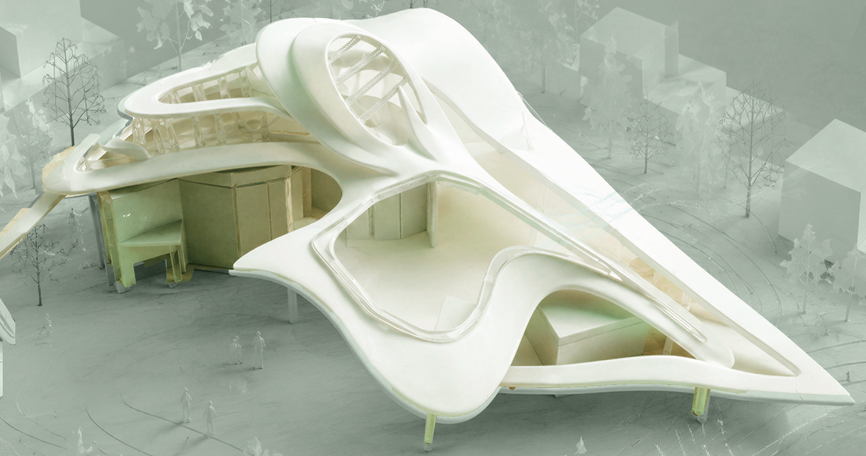
- **DRAWING MODEL**

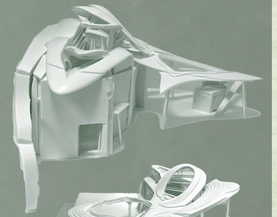
solid model

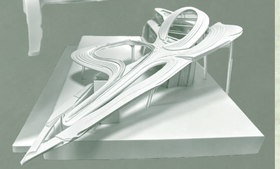


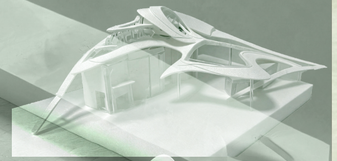


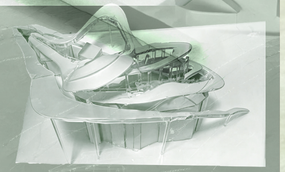












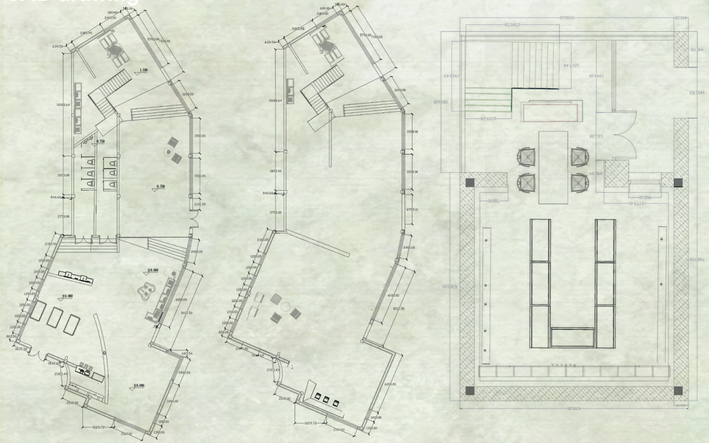
Entity models from different perspectives

SITE STRATEGY

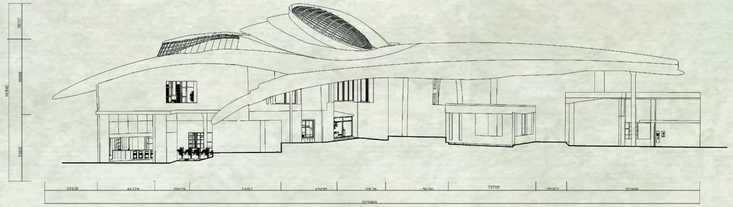
- MINIMAL GROUND IMPACT
- FOLLOW NATURAL TOPOGRAPHY
- PRESERVE EXISTING VEGETATION
- ENHANCE WATER COLLECTION



CAD drawing



floor plan







elevation

effect picture















• GROUP CONTRIBUTION

- As the team leader, I drive the progress of the entire project.
- Provide the analysis drawings of the original building in the early stage;
- Merge all the PPTs from each project presentation.
- Analyze the terrain, population, cold spring water, and distances within the village of Fuzhulong Village, and prepare an analysis chart.
- Drive the entire team to come up with the plan and advance the design of the entire village;
- During the middle stage of the project, draw a draft map of the entire village.
- Finally, consolidate all the designs made by everyone and produce the final drawings.

• REFERENCES

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- https://www.xiaohongshu.com/explore/68b974c2000000001d01b936?xsec_token=ABUUqNGy1v8pU90pa62sCgfBtzT0g0lf8uzCcrTnK24ec=&xsec_source=pc_like
- https://www.xiaohongshu.com/explore/689dbdfc000000001c006eb2?xsec_token=ABSwI_PQuHVaGOKmVf8NLOQTgG1DHBeNWEDXgbeqbRWVU=&xsec_source=pc_like
- https://www.xiaohongshu.com/explore/6444c5250000000013031fea?xsec_token=ABeKZyo8BenUNL2x-TK6UHs90KKFPcBgl31zIm16_7SMU=&xsec_source=pc_like
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THANKS