

土楼基因分析

THE GENES OF TULOOU

——土楼保护与可持续性发展思考

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Tulou, Genes, Preservation, Development

INTRODUCTION

Tulou is a unique type of Chinese rural dwelling which carries its social background, history and the local culture contexts. It's an important architecture GenBank, in which a lot of valuable genes can be abstracted for our contemporary architecture design.



TU10U -----

What we can **find?**

What we can **learn**-----

What we can **do !**

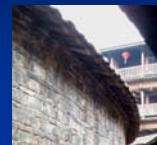
1 GENES OF SOCIAL CULTURE

社会文化方面的基因分析



2 GENES OF PHYSICAL MORPHOLOGY

物质形态方面的基因分析



3. LEARN AND PRACTICE

学习\实验



4.A PROJECT DESIGN 案例

-----a hotel design



1 GENES OF SOCIAL CULTURE

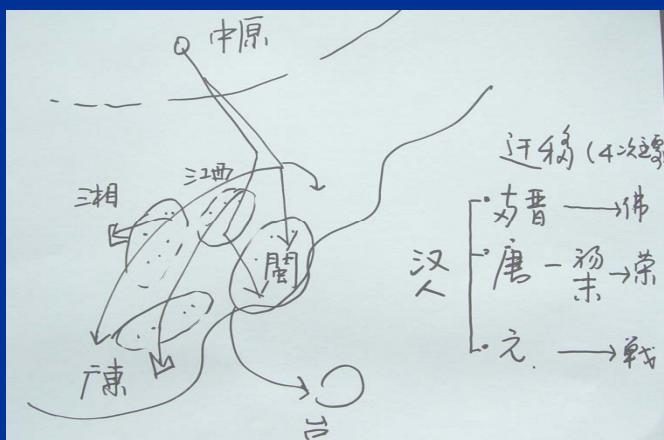
社会文化方面的基因分析

Tulou was recording the society, the history and the culture of the time. It's a good interpretation of the relationship between Chinese and Nature. It also embodies the typical oriental philosophy.

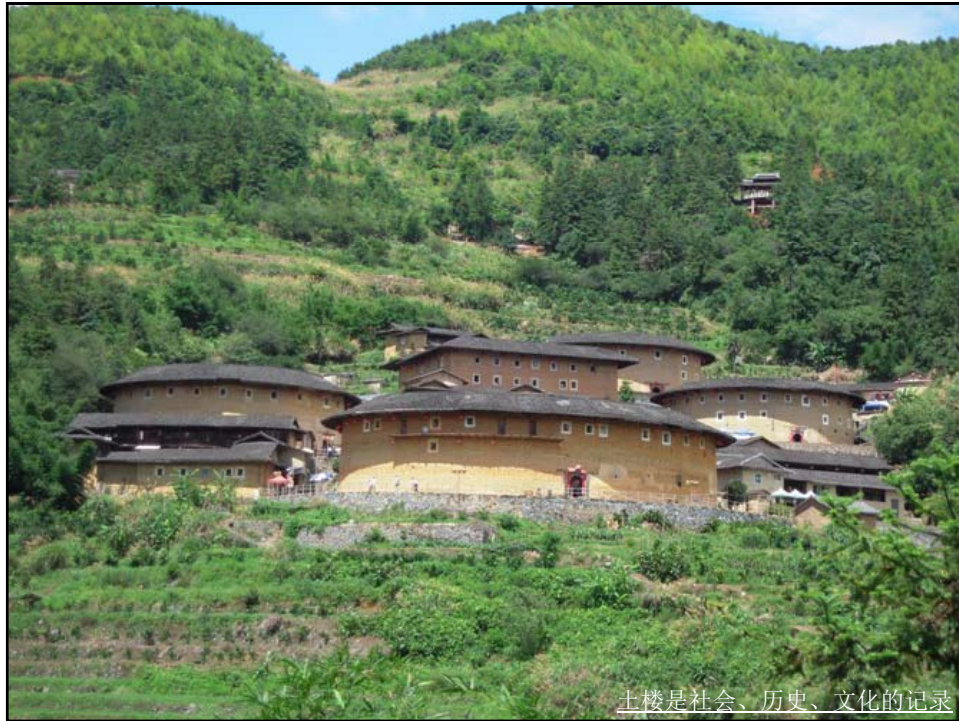


1) Record of society, history and culture

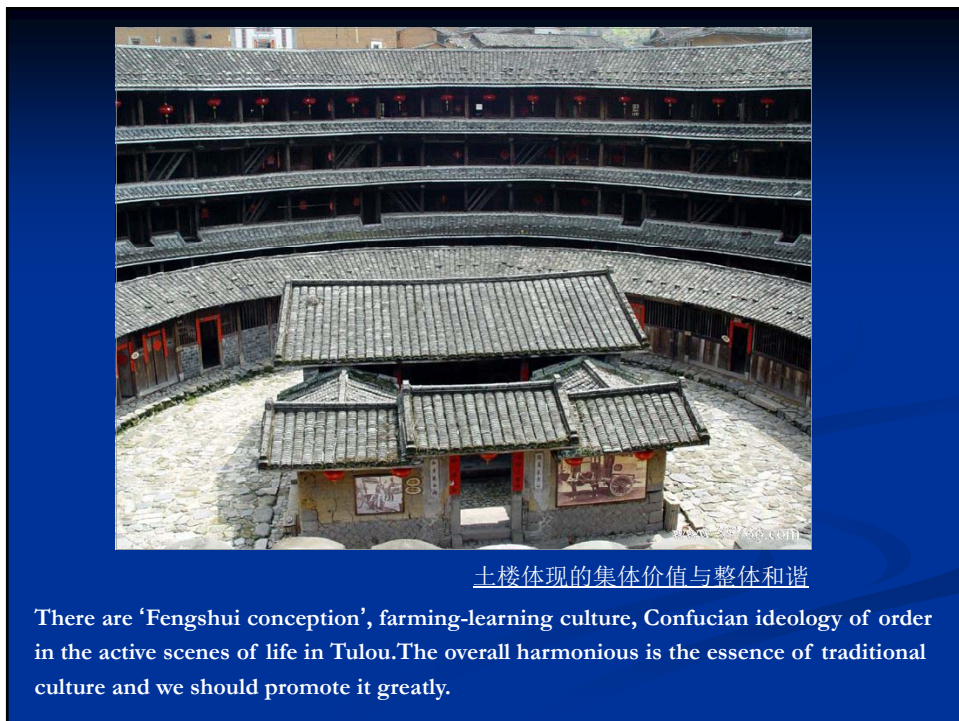
A Tulou is usually occupied by one large family clan of several generations. Families band together to risk and defense, living in the Tulou building which is the effective stronghold.



中原汉人迁移示意图



土楼是社会、历史、文化的记录

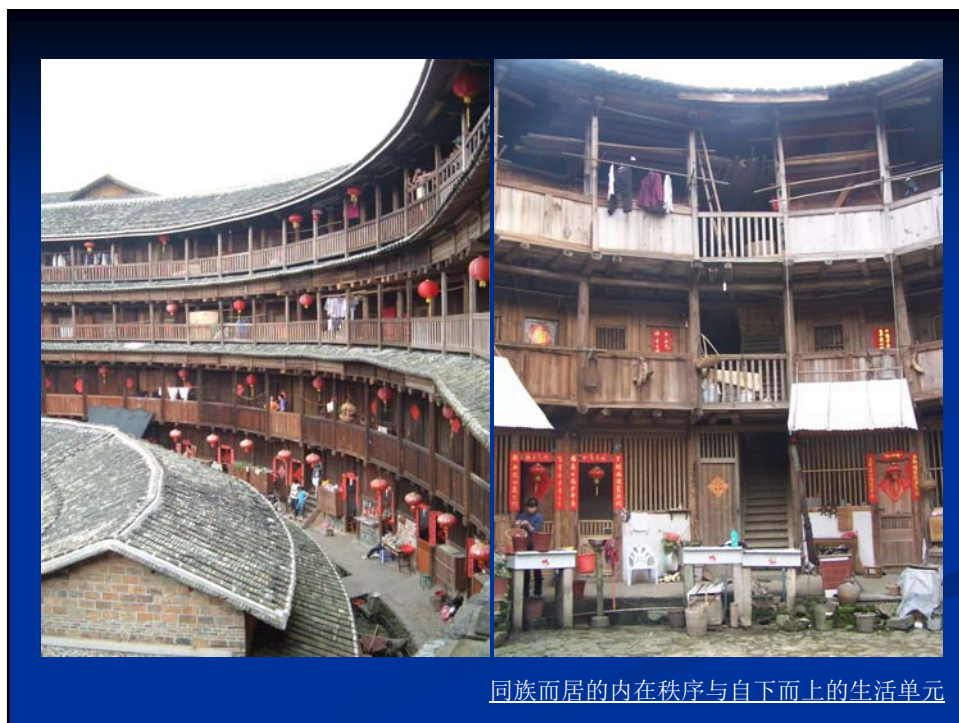


土楼体现的集体价值与整体和谐

There are 'Fengshui conception', farming-learning culture, Confucian ideology of order in the active scenes of life in Tulou. The overall harmonious is the essence of traditional culture and we should promote it greatly.



土楼中宗祠所体现的集体价值



同族而居的内在秩序与自下而上的生活单元



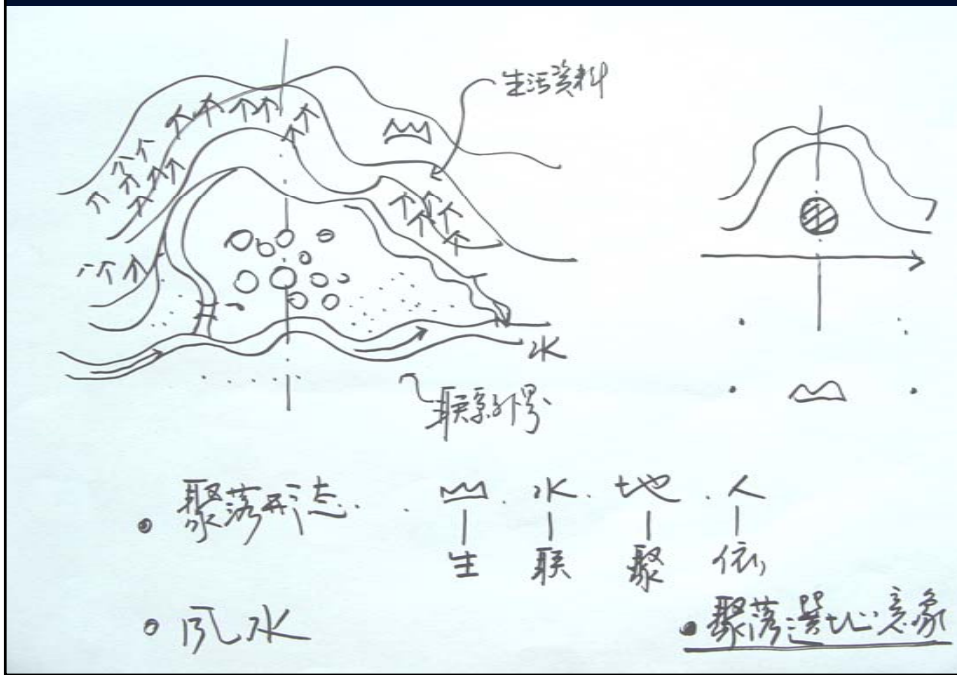
土楼中生活的私密性需加强

2) Adaptable to conditions, Respect of nature

When selecting site of the settlement, natural environment is deeply considered and respected, such as site with water in front and a hill at the back. Thus, Fengshui becomes a pattern language. There is a kind of interdependent relation between the Tulou village and the natural environment.



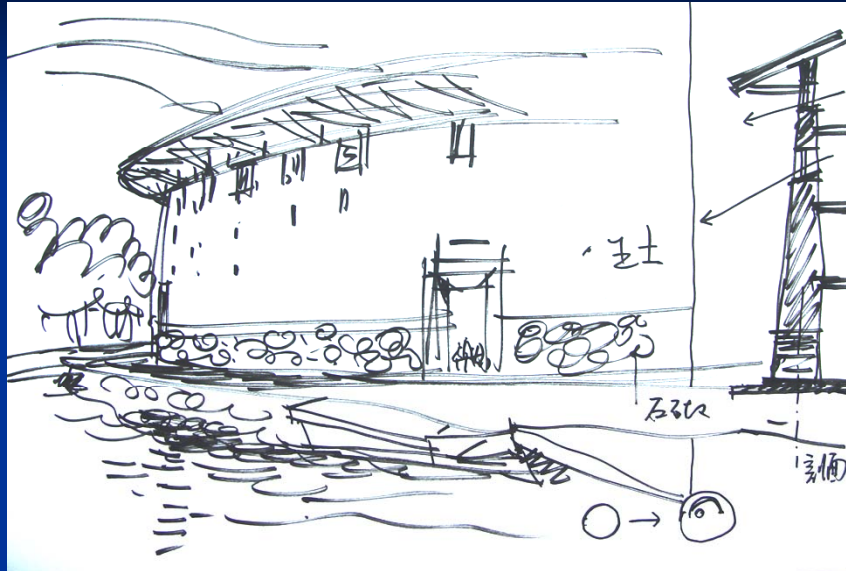
依山傍水尊重自然——选址依据



依山傍水尊重自然



3) Local material, Adaptable technology



就地取材适宜技术

The Hakka made the most use of local resources. They choose adaptable technology to build houses comfortable to live in.



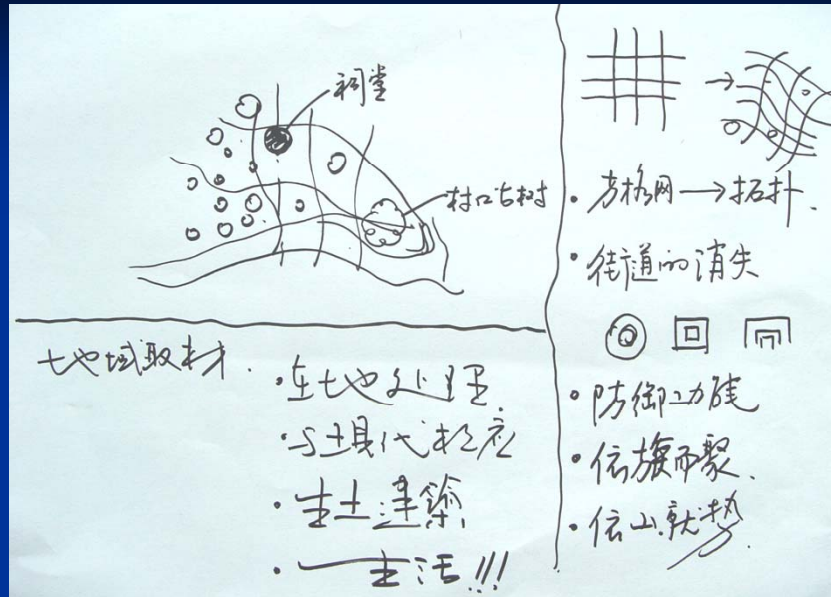
就地取材适宜技术



2 GENES OF PHYSICAL MORPHOLOGY 物质形态方面的基因分析

There are free styles of overall layout of Tulou villages, and also the strict round or square planned in every Tulou building. Characteristic expression in form, space, construction and material comes into a vital Genbank for the regional architecture design of today.

1) Systemic genes of Tulou clusters -----system



土楼聚落的拓扑调整 (自然环境+社会关系)

土楼聚落的拓扑调整与对环境的关注



2) Relations: order

Ground floor plan of Tulou includes circle, square, rectangle, or combination of some. It follows a precise composing principle. The fine order of a Tulou is worth to be inherited to improve today' s architect design language.



土楼之间的“间隙”空间



土楼与周边环境的关系



方形土楼的“自律性”及与环境的关系

context

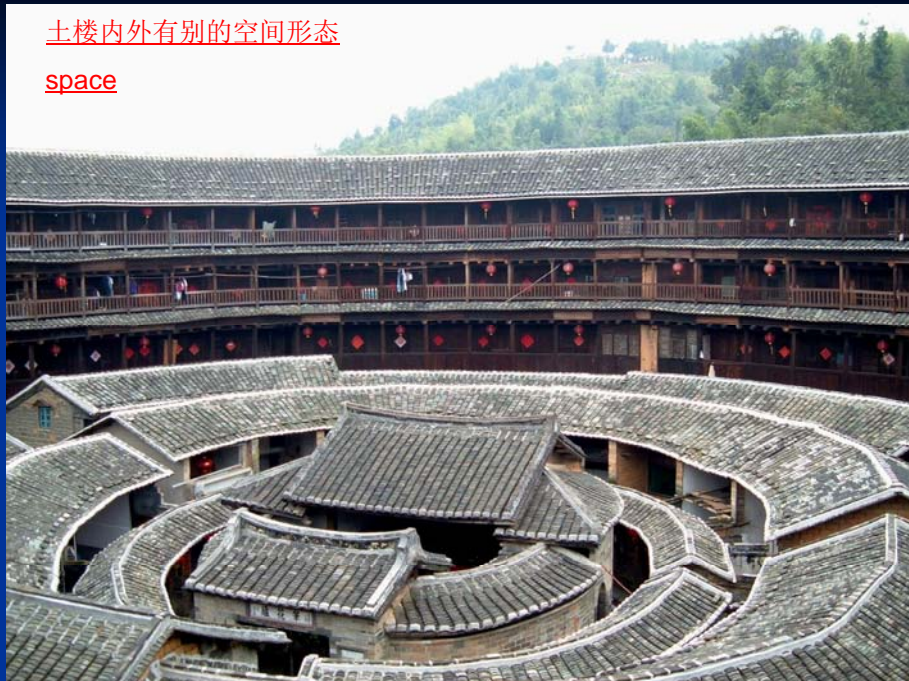
3) Deep Construction:

Self-discipline



土楼内外有别的空间形态

space

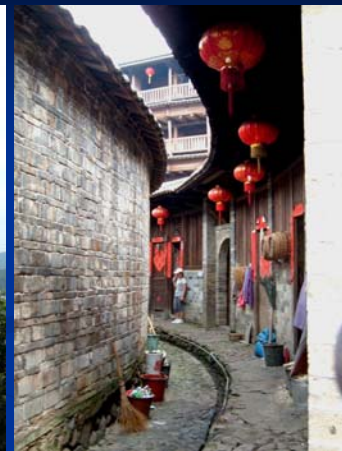




4) Elements: materials\color\form---



圆形土楼开窗少+渐变+挑檐→
体量感与雕塑感



土楼内部的“自律性”

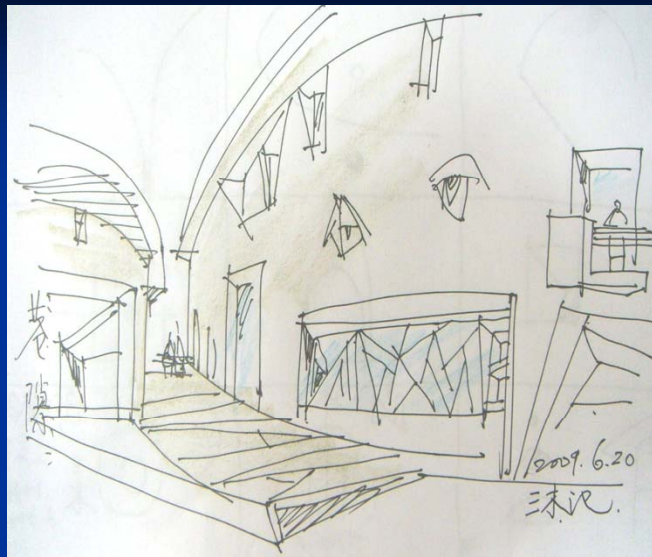
The space in-between the Tulous provides variety of living scenes and is the 'spirit of space' of Tulou. Nowadays, some new elements intervention in the self-enclosed Tulou will help to adapt it to new situation.



土楼之间的生活“间隙”空间 in-between

3. LEARN AND PRACTICE

学习实验

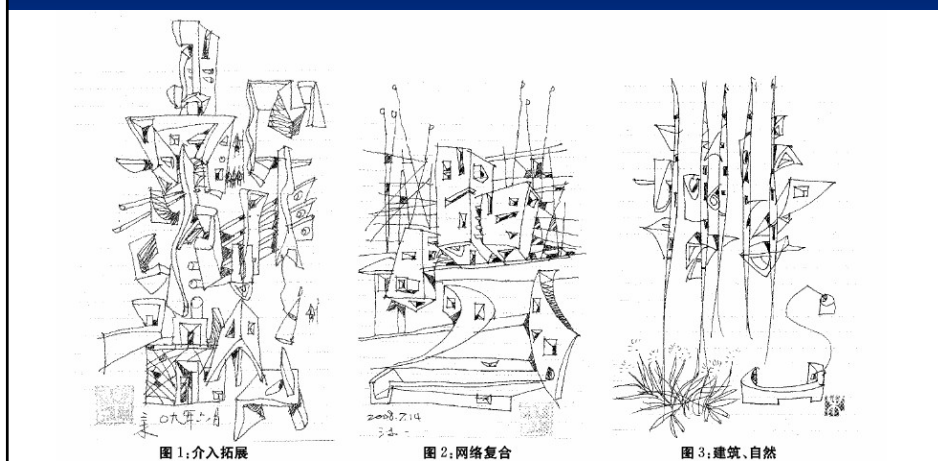


土楼之间的“间隙”的解构与重构

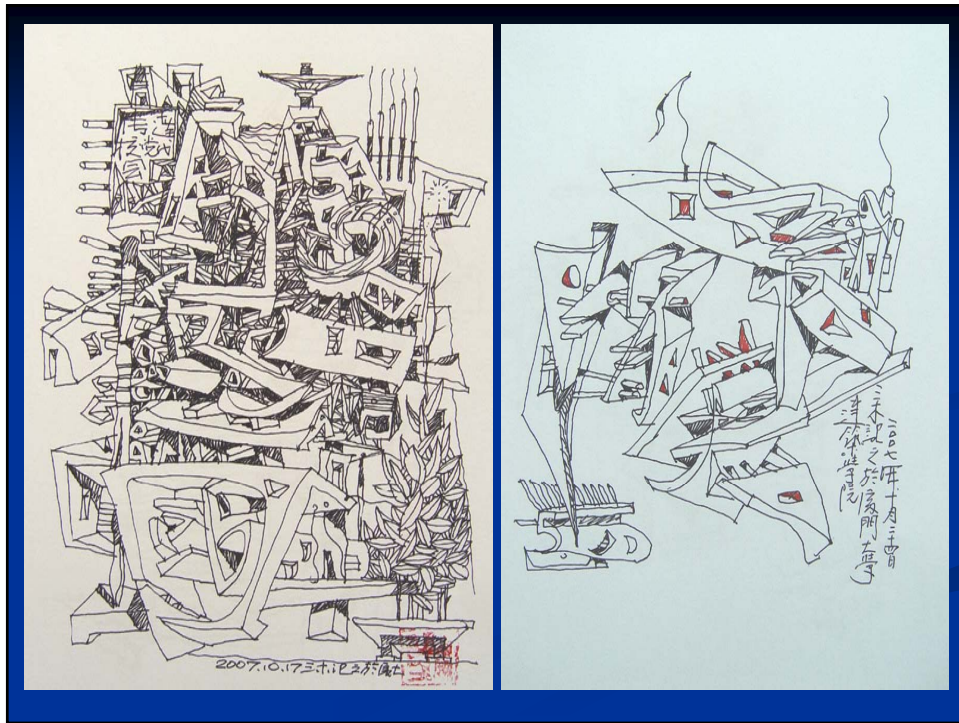


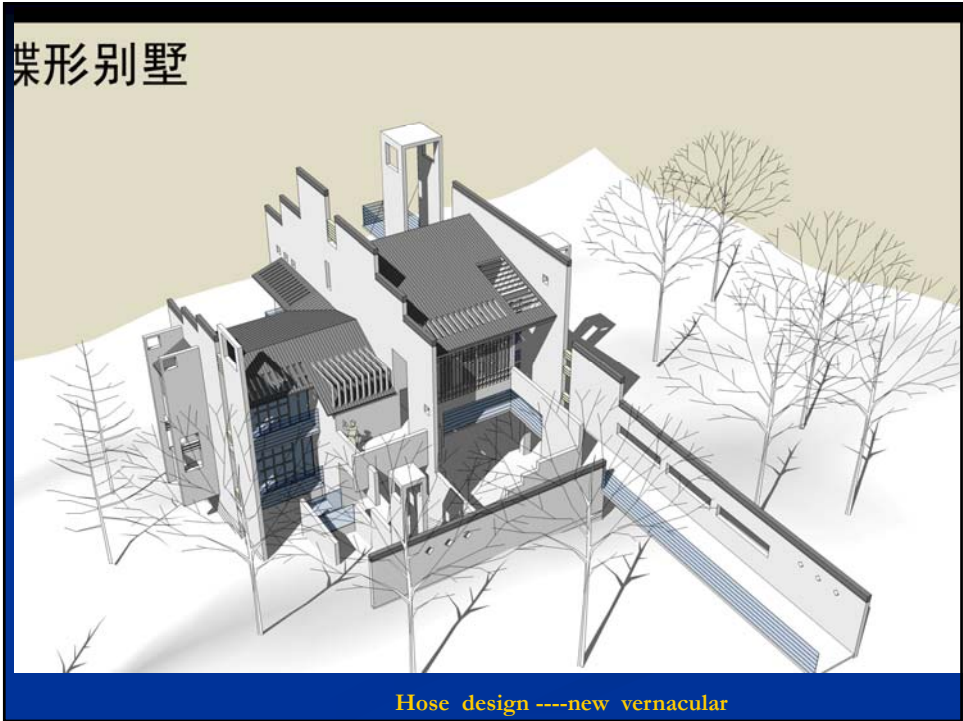
建域图式

——基于城市—建筑的图式研究方法



Research method----Pan-architecture sketch(schema)





Materials associated with expression of the regional

材料工艺性关联性表达的地域性

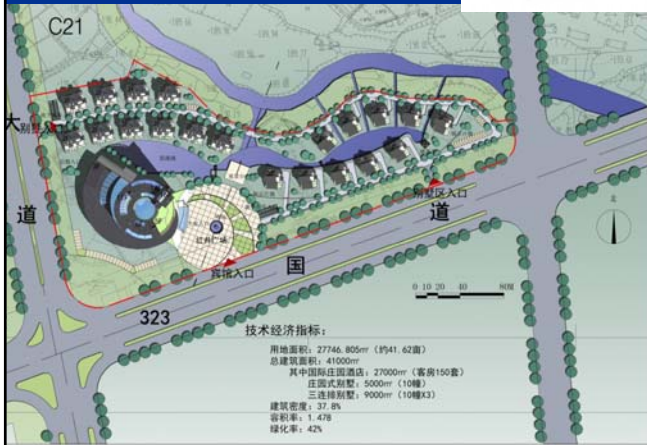
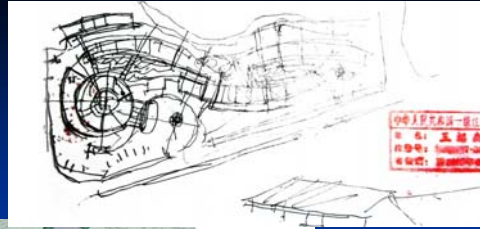


“出砖入石”材料原理的联想引用 材料组合工艺分析
图6-40 对闽南材料及工艺应用分析 (资料来源:作者手绘2010、6)

Strait Minority Cultural Exchange Center-----Fujian
海峡两岸少数民族文化交流中心

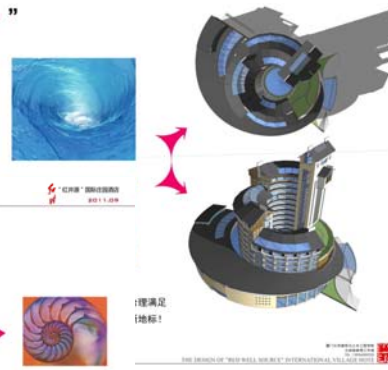


4.A PROJECT DESIGN 案例
-----a hotel design



THE DESIGN OF "RED WELL SOURCE" INTERNATIONAL VILLAGE HOTEL

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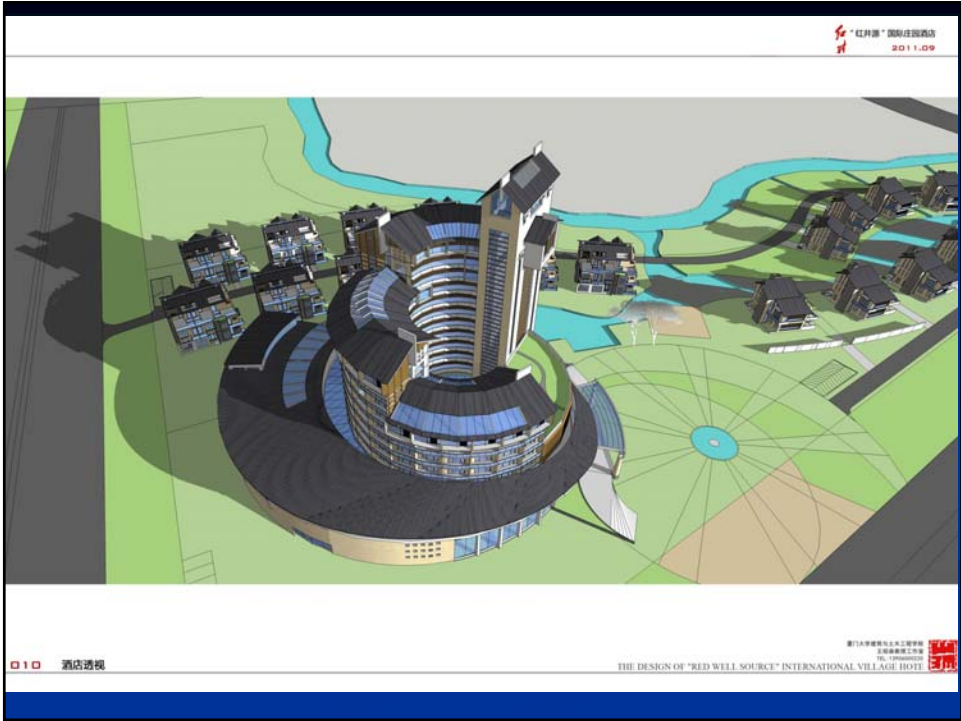
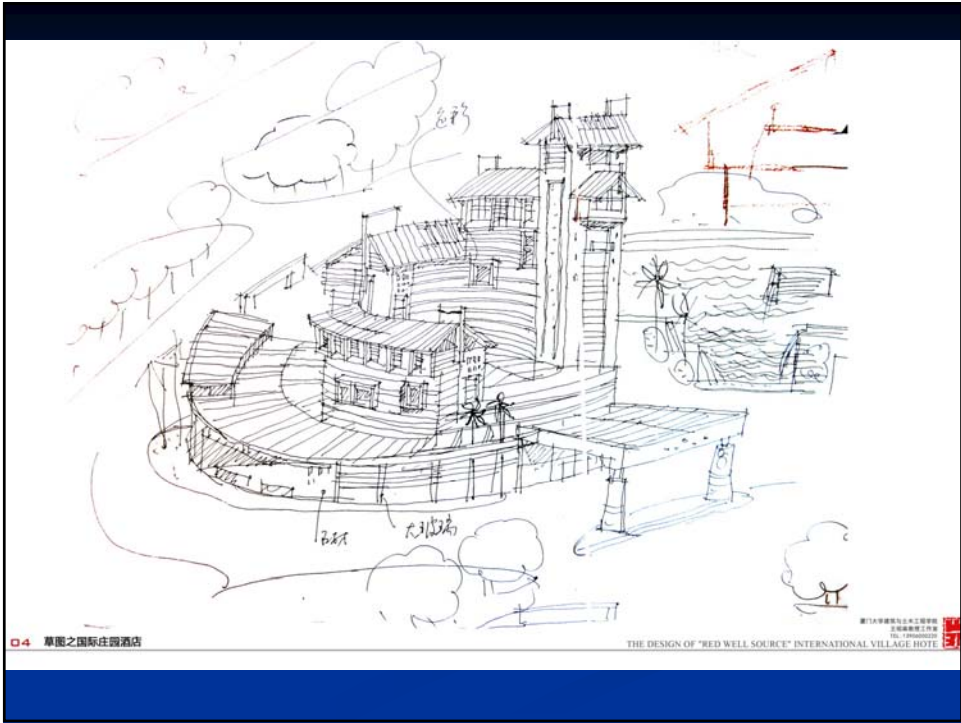


构思分析 —— “源”



瑞金作为红色故都，是长征的起点，亦是赣江之源，设计以“源”的概念作为创作的手法。酒店作为整个基地之“源”，其可射出一条水系连接原有水系的同时，亦构成整个基地的景观骨架，奠定了项目小桥流水人家、假日休闲的感情基调。

构思分析二 THE DESIGN OF "RED WELL SOURCE" INTERNATIONAL VILLAGE HOTEL







5 CONCLUSIONS

结束语

和谐精神-----harmonious spirit
整体系统-----overall system
转基因-----new intervention
可持续-----sustainable development

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Thank you!
谢谢大家!