
XUDONG WANG

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WORKS

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bourne

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RESUME

简历

Professional Experience	Nov 2017-Juan 2018	Student Intern in Atelier XUK, Shanghai, China Project: Zhangjiabang Park Service Centre Shanghai, China (Helped with Design Development, Digital Model Making) Project: Luxiangyuan Property Roof Expansion Shanghai, China (Helped with Documentation, Digital Model Making)
	July 2017-Sept 2017	Student Intern in GOA Design Office, Shanghai, China Project: Low Carbon Commercial Property Kunshan, Jiangsu, China (Helped with Site Analysis, Concept Design, Design Development, Physical Model Making) Project: Entrance Landscape Renovation in Wanke Office Park Shanghai, China (Helped with Site Analysis, Design Development, Physical Model Making)
Education		The University of Melbourne, VIC, Australia July 2018-Present Master of Architecture Program, Faculty of Architecture, Building and Planning
		Tongji University, Shanghai, China Sept 2013-Jun 2018 Bachelor of Architecture Program, College of Architecture and Urban Sept 2012-Jun 2013
Professional Skills	2D Graphic 3D Modeling Visualization	Photoshop advanced Illustrator advanced InDesign advanced AutoCAD advanced SketchUp advanced Grasshopper intermediate Revit intermediate Rhino advanced V-ray advanced) Lumion intermediate
Researches & Awards	May. 2017 2016 - 2017 July. 2016 Mar. 2016 2013 - 2014 2012 - 2013	Bond Factory Renovation Design Competition, Shanghai, 1st Prize College of Innovation and lean start-up, Shanghai, P.R. China National Scholarship Ministry of Education of the People's Republic of China, P.R. China The Efficiency Fluctuation of Photovoltaic Equipment Project Leader: Prof. Chen Juan Urban Research and Renewal in Oldfun Area, Shanghai Project Leader: Prof. Shao Yong, Niu Xinyi Excellent College Student Scholarship, 1st Prize Tongji University, Shanghai, P.R. China Excellent College Student Scholarship, 3rd Prize Tongji University, Shanghai, P.R. China

工作经验	Nov 2017-Juan 2018	上海旭可建筑设计有限公司 - 实习生 项目：张家浜楔形绿地休闲服务中心设计 地点：上海 内容：方案设计，电子模型建模 项目：露香园 B1-1 屋顶加建项目设计 地点：上海 内容：施工图绘制
	July 2017-Sept 2017	上海 GOA 建筑设计有限公司 - 实习生 项目：昆山低碳公园 E-01 商业用房项目方案设计 地点：江苏昆山 内容：方案设计，汇报文本编排 项目：万科办公园区入口景观改造方案设计 地点：上海 内容：方案设计，模型制作
教育经历	July 2018-Present	墨尔本大学 建筑学研究生 墨尔本设计学院
	Sept 2013-Jun 2018 Sept 2012-Jun 2013	同济大学 建筑学学士，建筑与城市规划学院 产品设计专业，设计创意学院
职业技能	2D Graphic 3D Modeling Visualization	Photoshop advanced Illustrator advanced InDesign advanced AutoCAD advanced SketchUp advanced Grasshopper intermediate Revit intermediate Rhino advanced V-ray advanced) Lumion intermediate
研究与奖项	May. 2017 2016 - 2017 July. 2016 Mar. 2016 2013 - 2014 2012 - 2013	五角场双创综合体设计竞赛一等奖 上海五角场创新创业学院 国家奖学金 中华人民共和国教育部 太阳能电板效率与降尘覆盖实验 指导老师：陈镌 上海市 1933 老厂房地区城市更新研究 指导老师：邵涌，钮心毅 优秀学生奖学金一等奖 上海市同济大学 优秀学生奖学金三等奖 上海市同济大学

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01 Community Bridgehead

--Regional Library Design
8-week Studio Work, Spring 2016
Individual work

This is a studio after an urban planning work. The Old Millfun area has been involved in cultural industry upgrading. Residents are losing their communal spaces due to this gentrification process. However, local people are still trying to maintain their social activities in these spaces. By inserting the *resident-artist complex* which has multiple functions, we try to help local residents regain these spaces and coexist with the cultural industry.



01 社区桥头堡

-- 虹口区社区图书馆设计
8周, 2016年春季学期
个人作业

这是一个紧接着虹口区城市设计课程的建筑设计课程。上海虹口 1933 老厂房地区正处于艺术产业升级的过程中。由于其伴随的绅士化过程, 当地居民正在逐渐失去他们往日的社区公共空间。可是, 这些居民仍然努力地在这些被占用的空间中进行他们以往的社区活动。在这一设计中, 我们试图在这一社区置入各种有着不同功能的居民 - 艺术家综合体, 以此帮助当地居民重新获得他们的公共空间, 并且与当地的艺术产业共存。



Insert Resident-artist Complex into the Residential Area

A Resident-artist Complex

For converging a communal way for local residents and the ever-developing cultural industry. Artist studios and community facilities are combined with each other as resident-artist complex.

By inserting these complexes into the Old Millfun area, the government provides young artists and residents with free facilities. Those art-resident complexes would provide studio rooms, medical units, community centres in the meantime.

The library by the river is seen as the most important complex with its structural location in between residential area and cultural and artistic centre.

居民 - 艺术家综合体

为了帮助当地居民与当地艺术产业相互共存，我们将年轻艺术工作者的工作室与社区服务设施结合起来，形成大大小小的各种综合体。

通过将这些综合体置入各个社区之中。当地政府一方面为当地居民提供了社区活动室、社区医疗室等等各种社区公共设

施，另一方也为年轻的艺术工作者提供了低价的工作空间。

其中，规划中的社区图书馆是它们之中最为重要的设施，它正位于文化艺术中心与里弄居住区的交界处。

设计策略

1. 生活的内街

在与辽宁路平行的位置设置穿越基地内部的内街，两边设置社区活动室，开放阅读区等社区公共服务设施。

2. 抬升的河畔步道

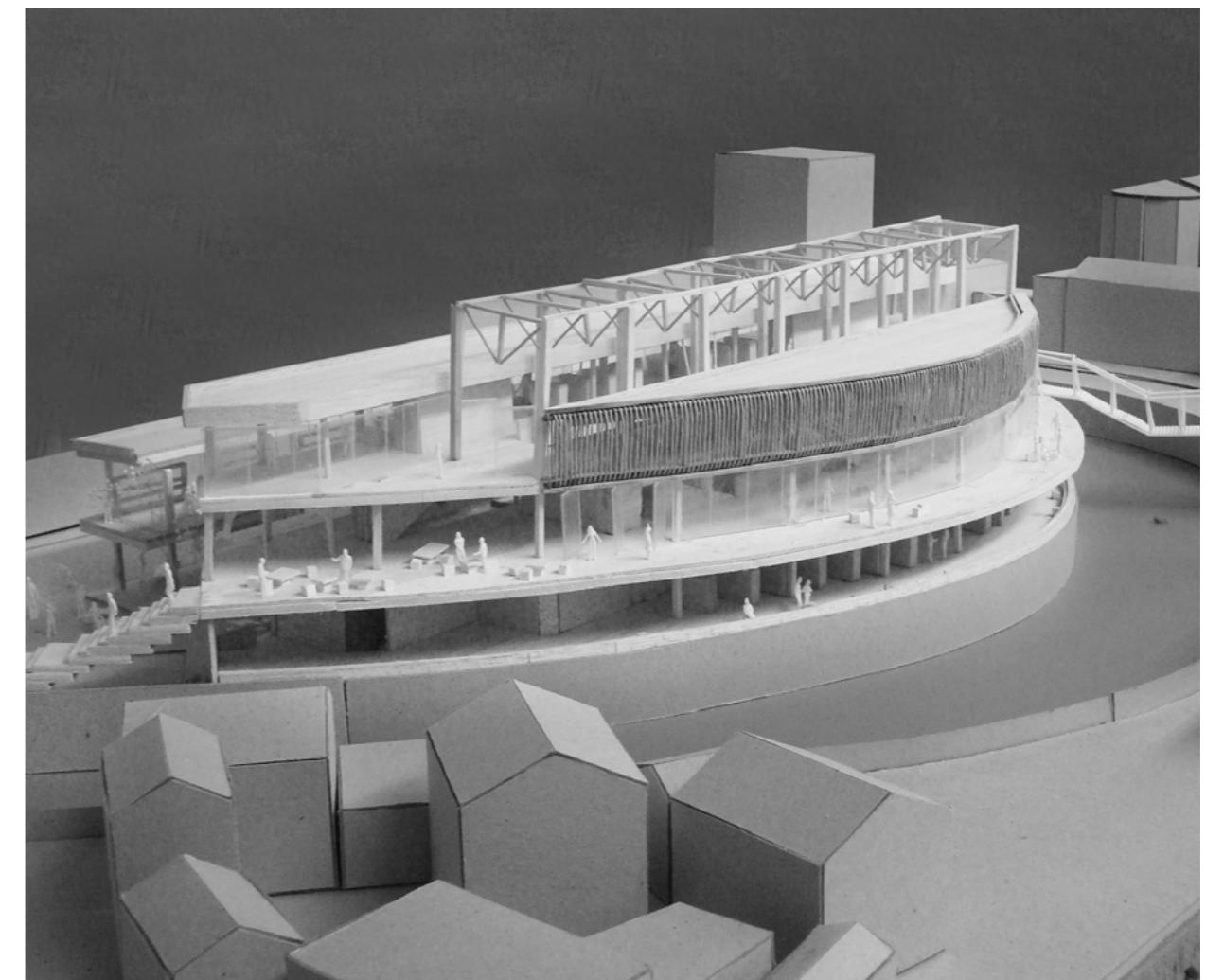
从辽宁路向河边，地面标高逐渐抬升至防洪墙顶部，将沙泾河畔原本被防洪墙阻挡的风景开放给居民。

3. 渐变的公共性

顺着抬升的地面标高，从辽宁路向河边，建筑内部从社区的功能逐渐过渡到城市性的功能和城市空间，最后连接到河对岸的1933老厂房艺术中心。

4. 交织的流线

不同的流线将不同的区域交织起来，同时向建筑外部延伸，以社区步行道的形式延伸到周边的公共空间中。

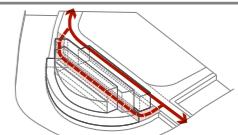


Physical Model: Library as Multifunctional Community Centre

Strategies

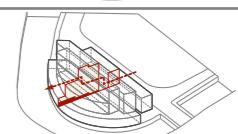
01 A New Inner Street

An inner street paralleled with Liaoning road is set across the site and it is surrounded by open reading areas and community activity rooms.



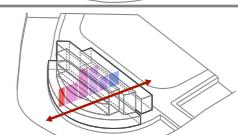
02 Terraces above the Flood Wall

The ground is reformed into three terraces raised gradually and thus gives the whole site a better view to the river and surrounding areas.



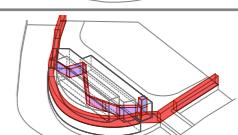
03 Sequential Commonality

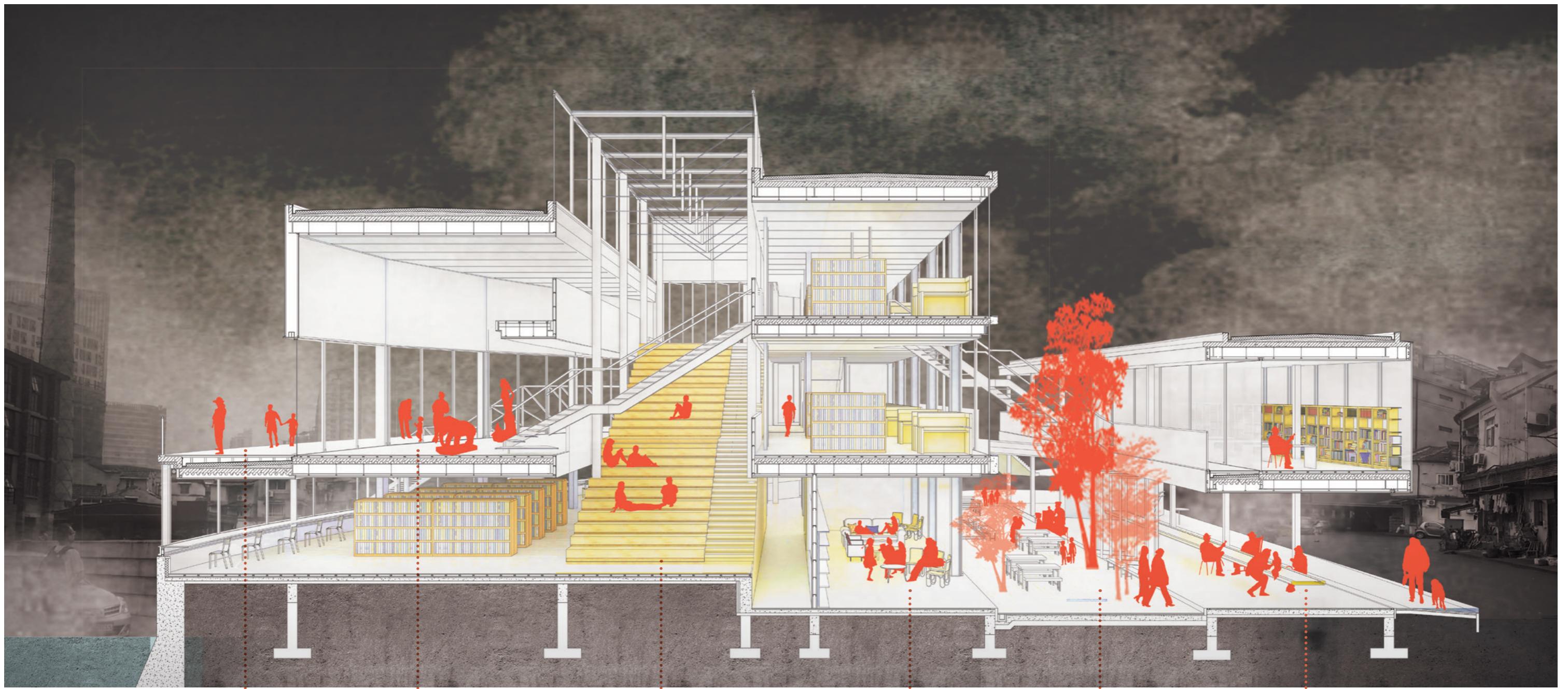
Different function areas are sequenced according to their degree of publicity. Function areas for residents are placed near the residential block, while those for public are closed to the cultural and artistic centre.



04 Woven Circulation

With the strategy to help local residents regain their common space and participate in public activities, multiple moving lines will weave all function areas closely and even extend to the city.





Transverse Section

Public

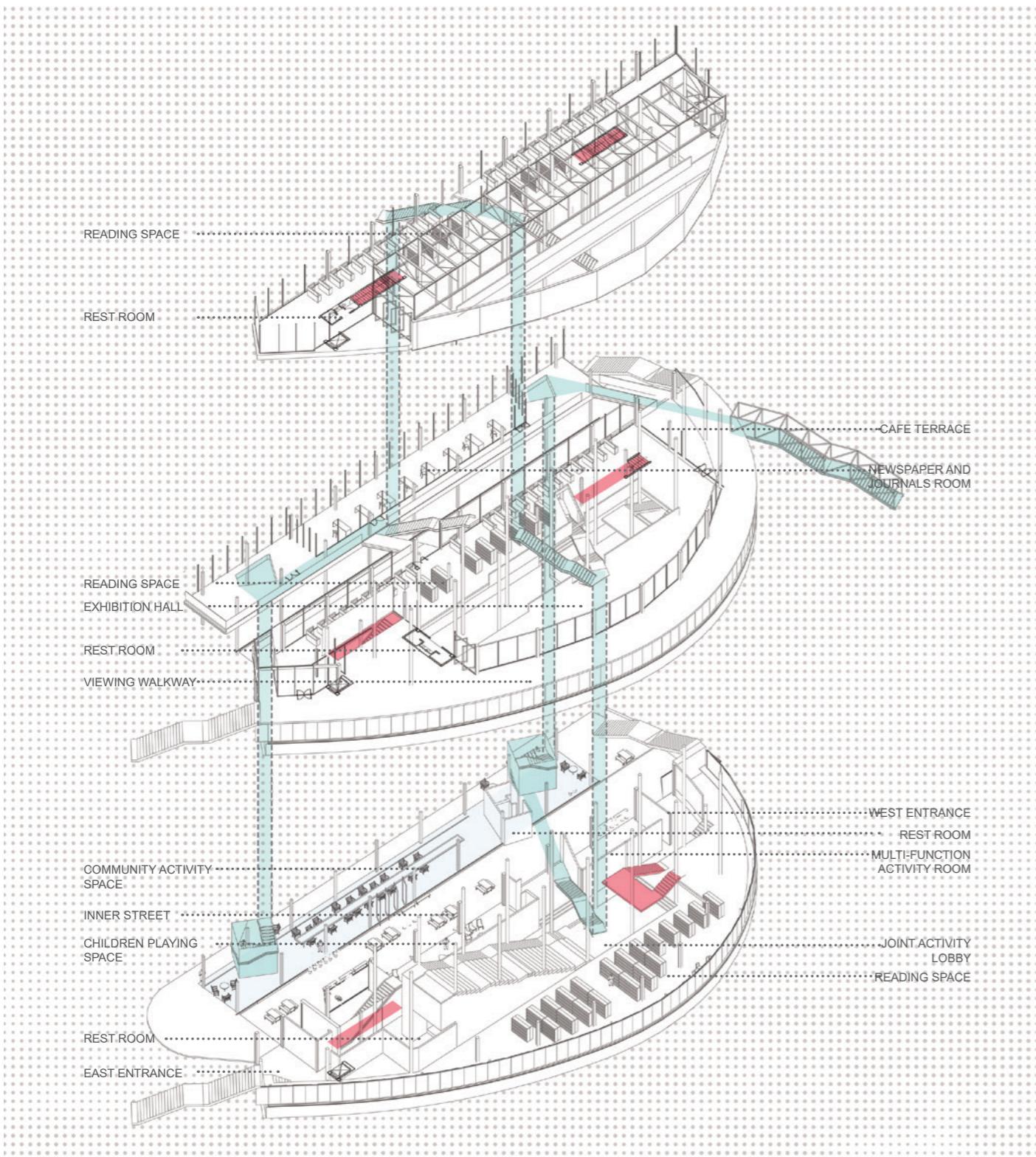
Communal



A Mixture of Functions

For providing local residents with more communal spaces and opportunities to participate in public activities, the whole building is integrated with a series of functions including the library, the exhibition hall, activity rooms and so on. Since the site is in between the residential area and city artistic centre, these function areas are sequenced precisely for users from the city and the community.

为了给当地居民提供不同的公共设施，整个建筑整合了一系列的功能，包括社区活动室、开放阅读区、城市艺术展厅、河边步道等等。由于基地处于里弄社区与城市级艺术中心之间，这些不同的功能在基地中被按照顺序排列，形成从社区公共空间到城市公共空间的渐变。

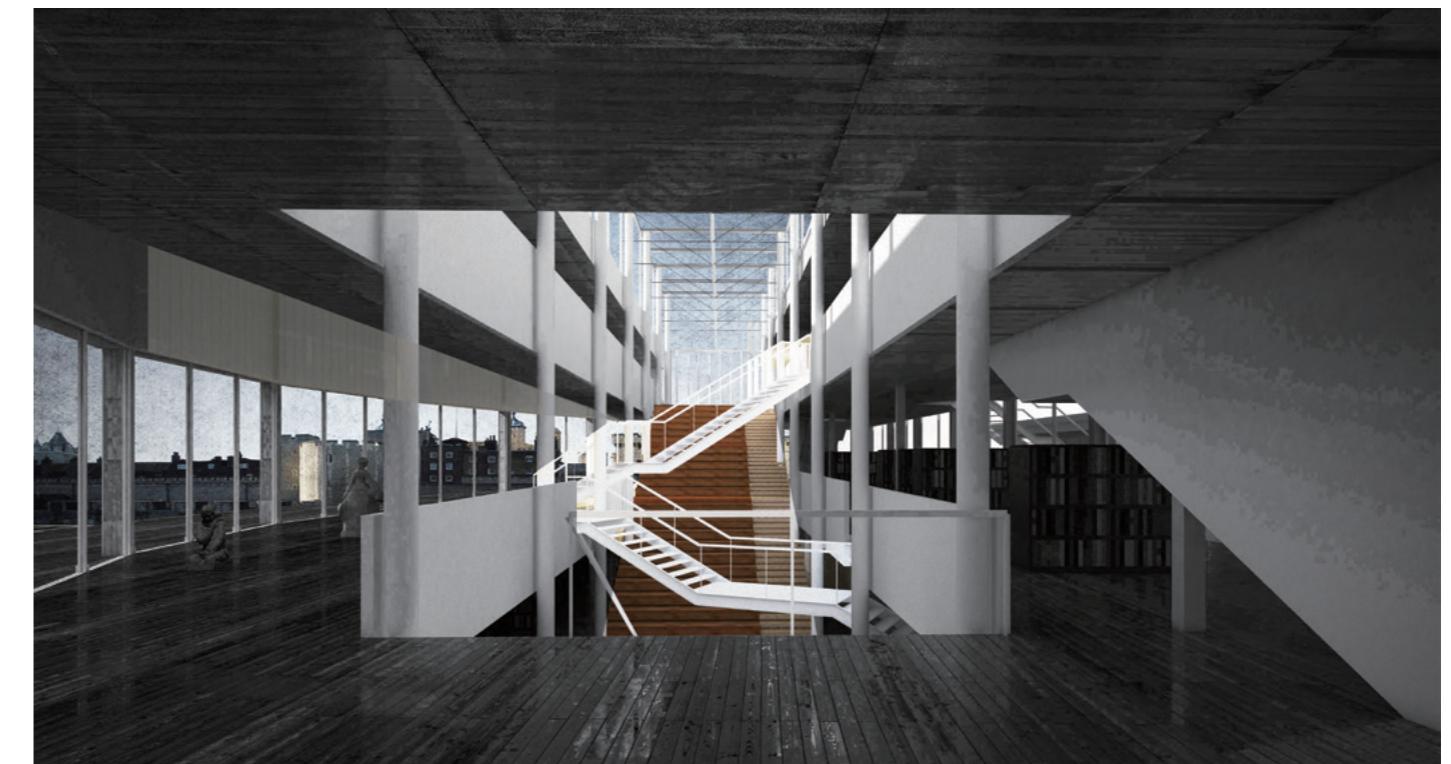


Function Overview Isometric

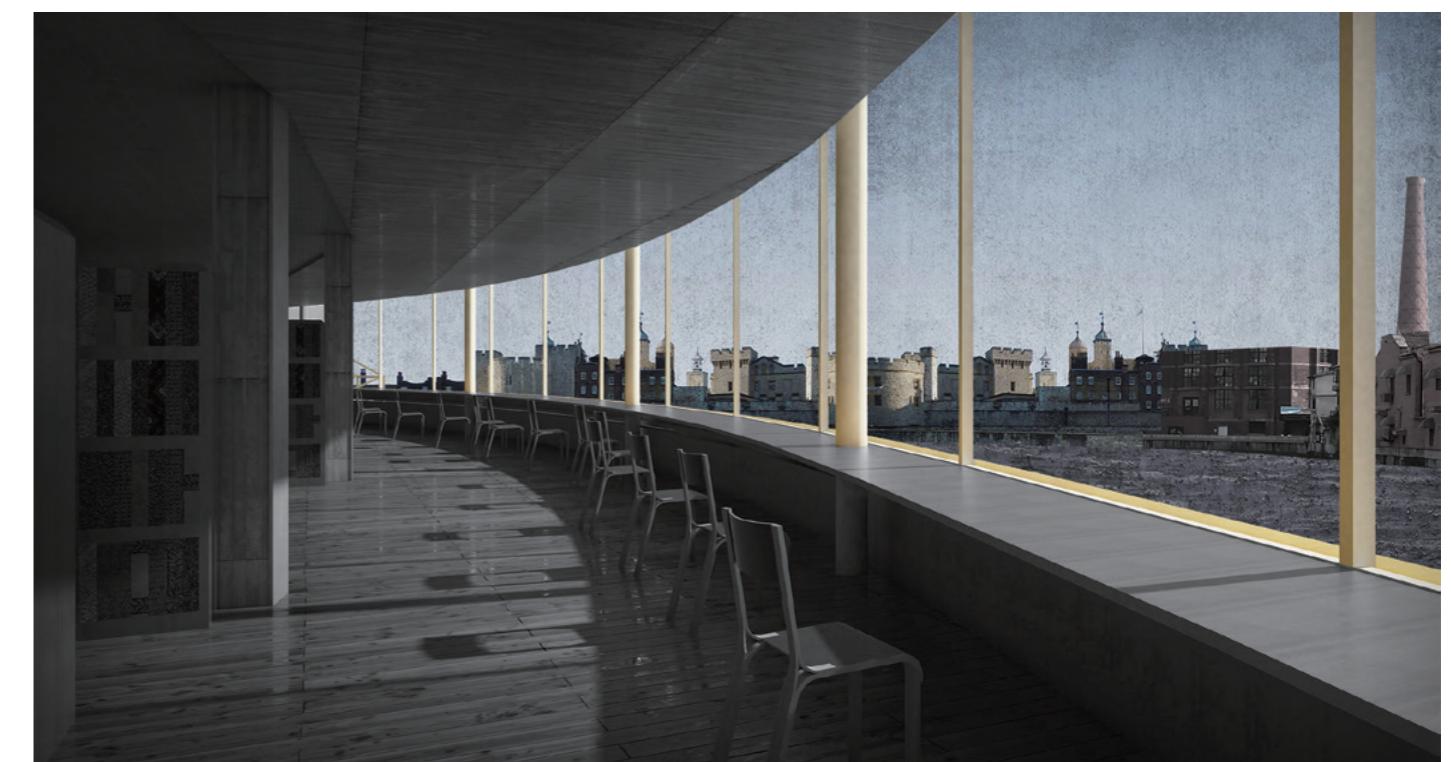
Interacting Circulation

Since the complex is to act as a community and cultural centre rather than a mere library, most spaces are transparent. And in the meantime, spaces for residents and culture industry are bound together by the interweaving circulation to reinforce this feature.

比起纯粹的图书馆，这个综合体更多地承担了社区中心和文化中心的角色，因此其中的大部分空间都是开放空间。同时，给社区居民使用的空间和给文化艺术产业使用的空间被各种流线交织在一起，以增加居民与当地文化产业互动的机会。



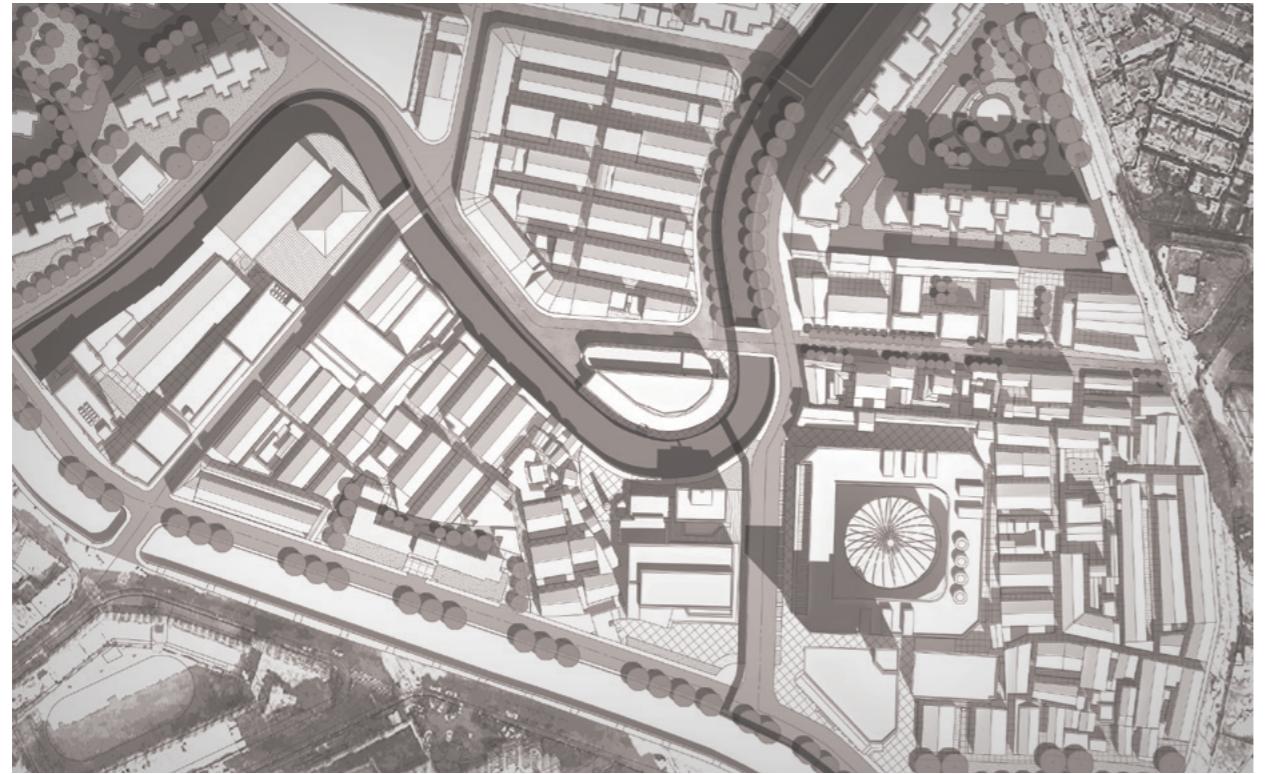
Joint Activity Lobby



Reading Space: Levitating over the River



1: 100 Physical Model, Extended Circulation



Walkways Spread through the Area

Extend to the City

Extended walkways will be integrated with the landscape in this area. Along with other resident-artist complexes, The multifunctional library will help residents regain their communal spaces from gentrification, and turn the local culture industry upgrading process into a way that could coexist with local residents.

走向城市

建筑内部的流线将会向外延伸，与周围的景观和公共空间连接。这个社区图书馆将与周围的居民 - 艺术家综合体一起，帮助当地居民重新参与到往日的公共活动之中，并且以此提供一条当地艺术产业与本地居民共存的道路。





03 **Morpheme Space**

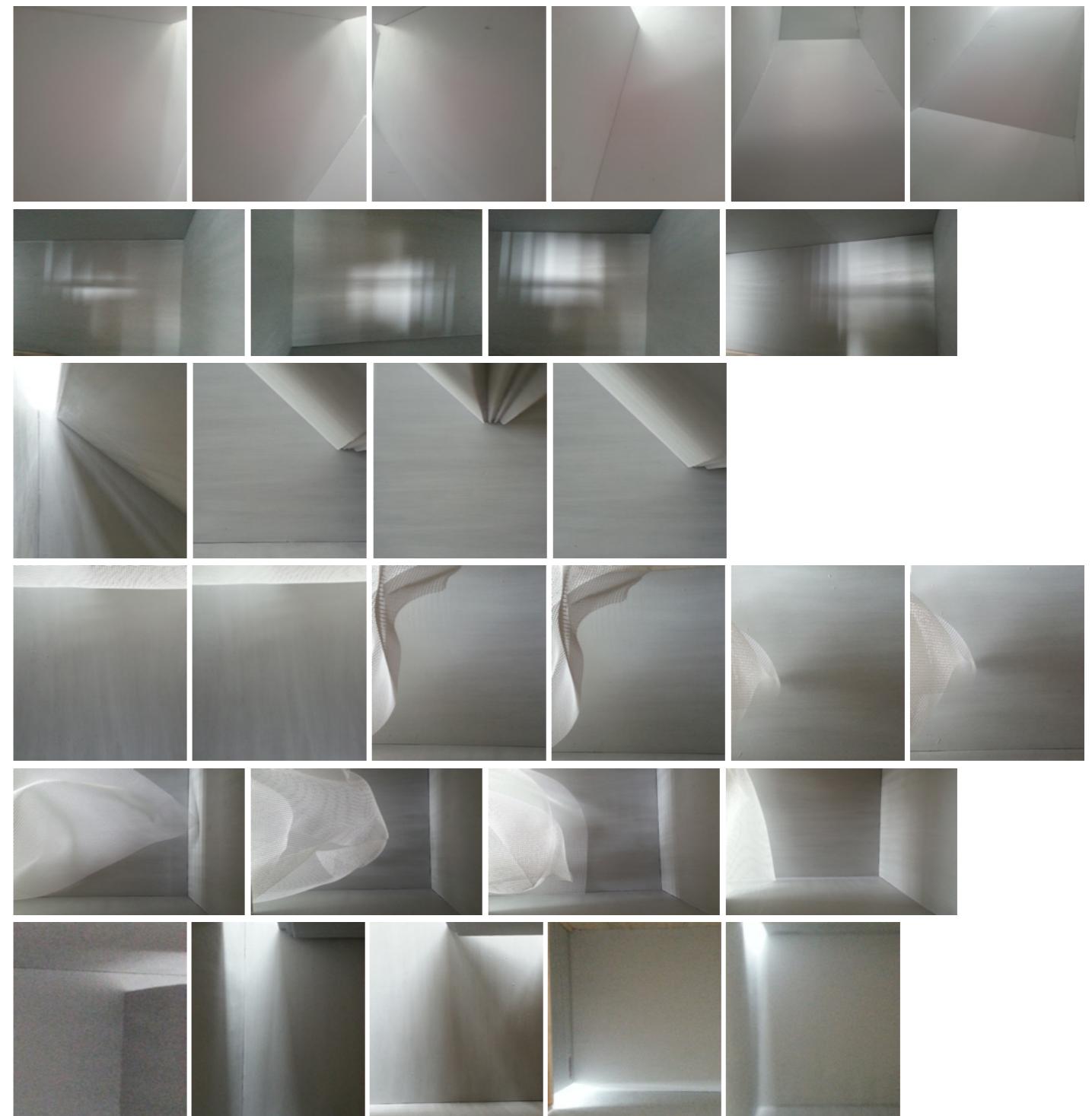
--Experimental Design Studio of Design Approaches
8-week Studio Work, Spring 2017
Individual work

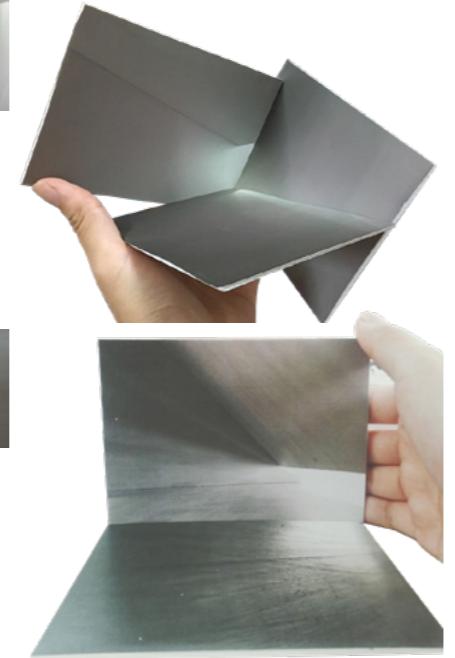
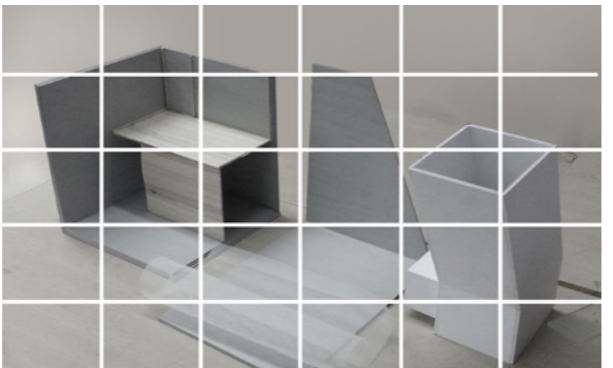
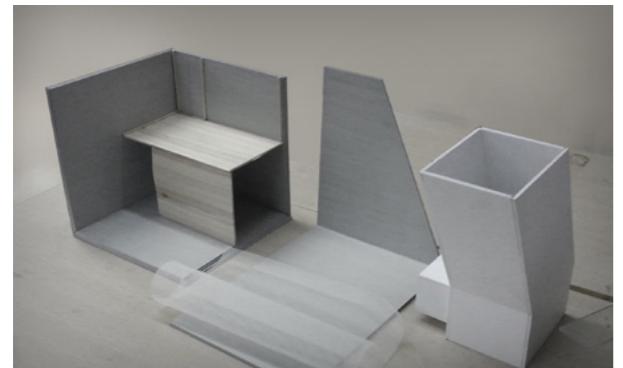
The focus of this experimental studio was to rethink architectural design approaches we learnt during the past years, and develop a new personalized approach. This case shows the attempt to collect the most basic elements of light and shadow, and then collage them into an integrated design.

02 **拼贴空间**

-- 马耳山艾东小学扩建工程实验性课程设计
8周, 2017年春季学期
个人作业

这个实验性质的课程设计试图让学生重新思考之前所学的设计策略。并且由此发展出独特的设计方式。这个课程设计从搜集最基本的光影的片段开始，尝试它们之间的不同组合，而后将它们逐渐组合成一个完整的设计。





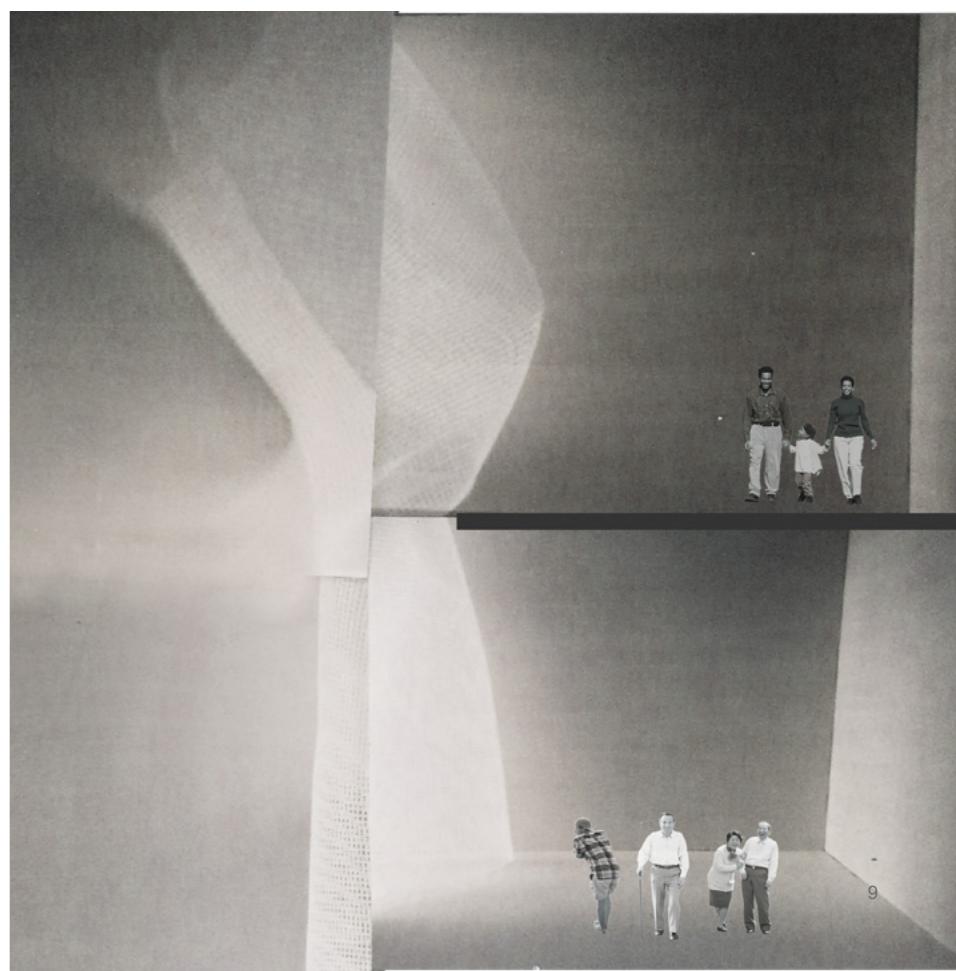
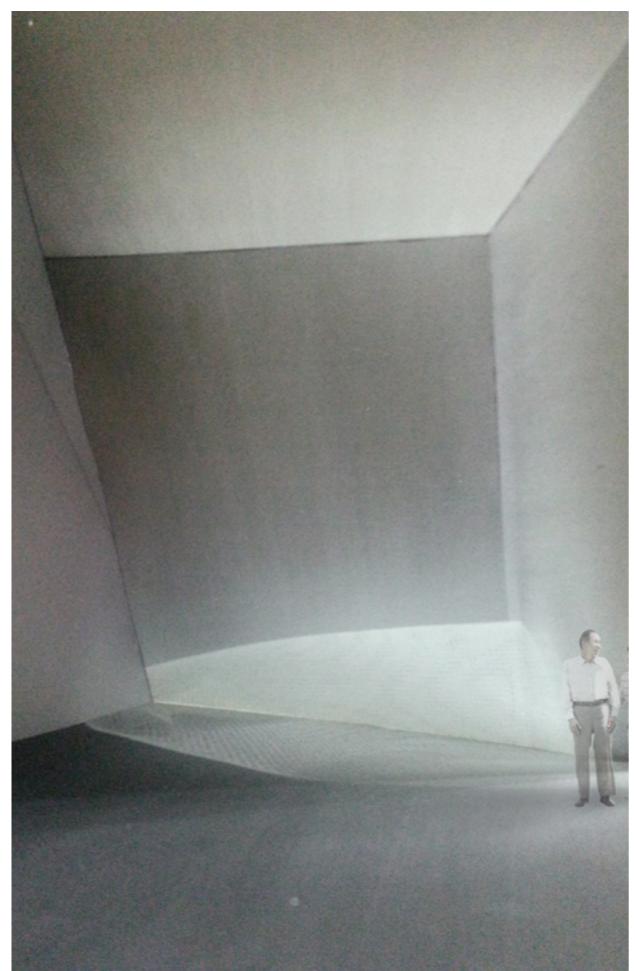
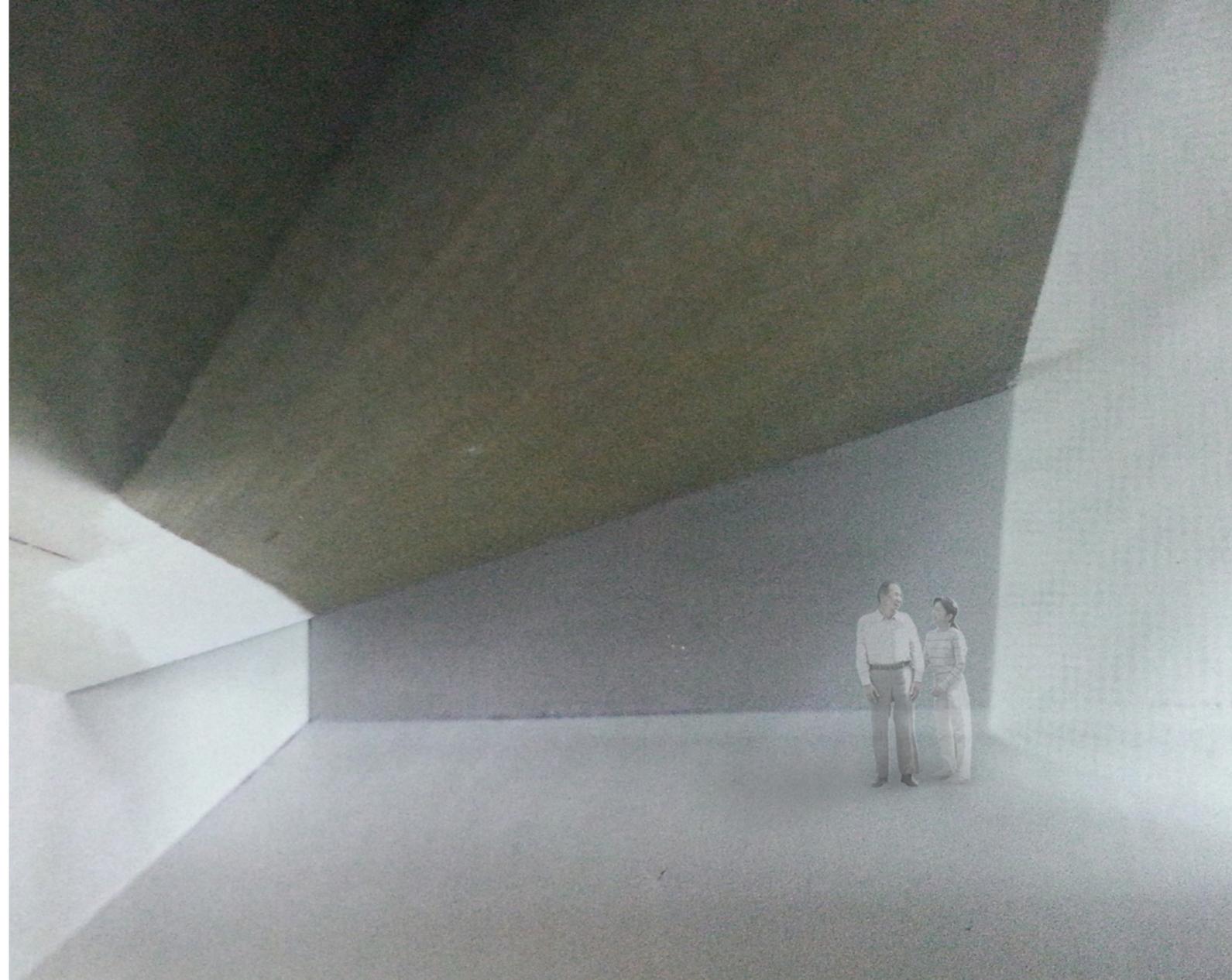
Model - Morpheme - Space

As a contrast of the approaches students have learnt, this experimental design starts by collecting basic elements of a space:

1. A series of models are built as light collectors.
2. Cameras will be stretched into models and captured details under various light conditions, which will return hundreds of results as basic morphemes.
3. Morpheme pictures are made into cards spliced with each other not merely in 2D but 3D and thus produce multitudinous possibilities. Here some results will be totally unrealisable.

与以往的课程设计不同，比起场地策略，这个实验性的课程以空间的最小片段作为设计的开始：

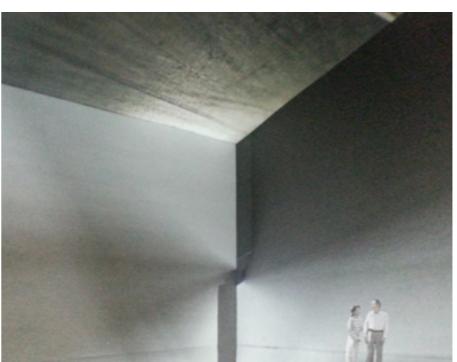
1. 制作一系列的模型，其内部有着不同的光影效果。
2. 将照相机镜头伸进这些模型，并且在不同的光照条件下对局部进行拍摄，以此得到几十张不同的细部和片段。
3. 将这些空间片段制作成卡片，相互之间拼接组合。不同的拼接组合与不同的拼接方式，将会形成千变万化的空间意象，其中有些特殊的空间意象几乎是无法被建造的。



From Composite Imagines to Models

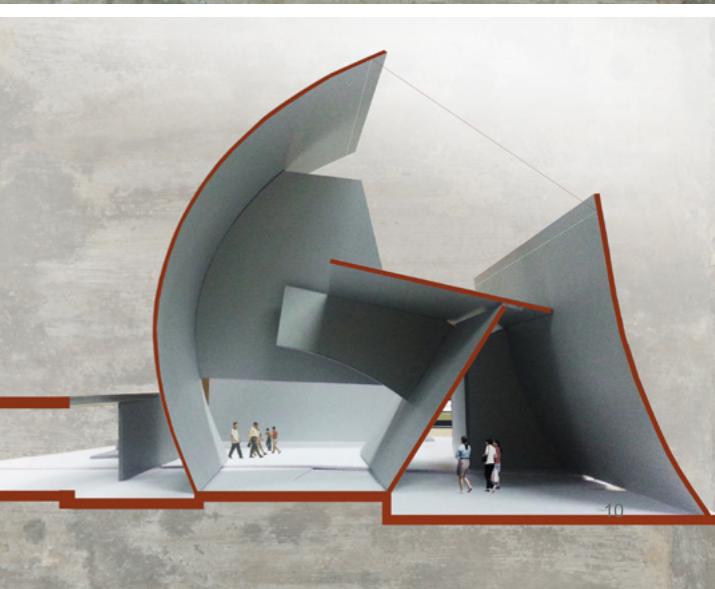
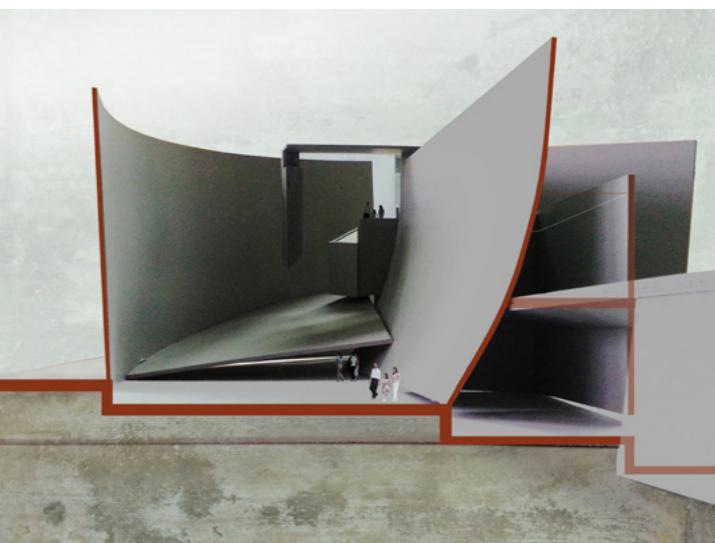
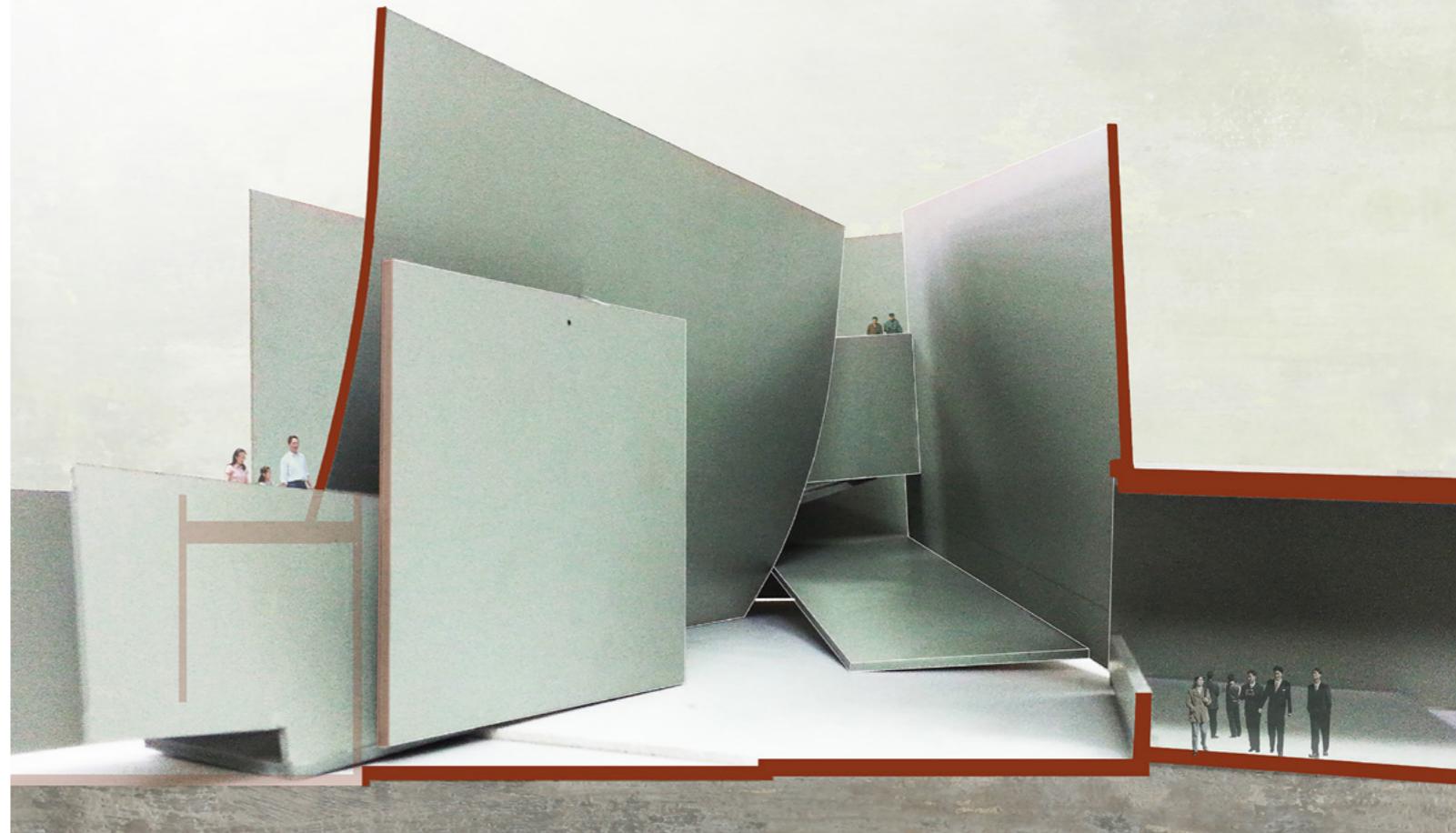
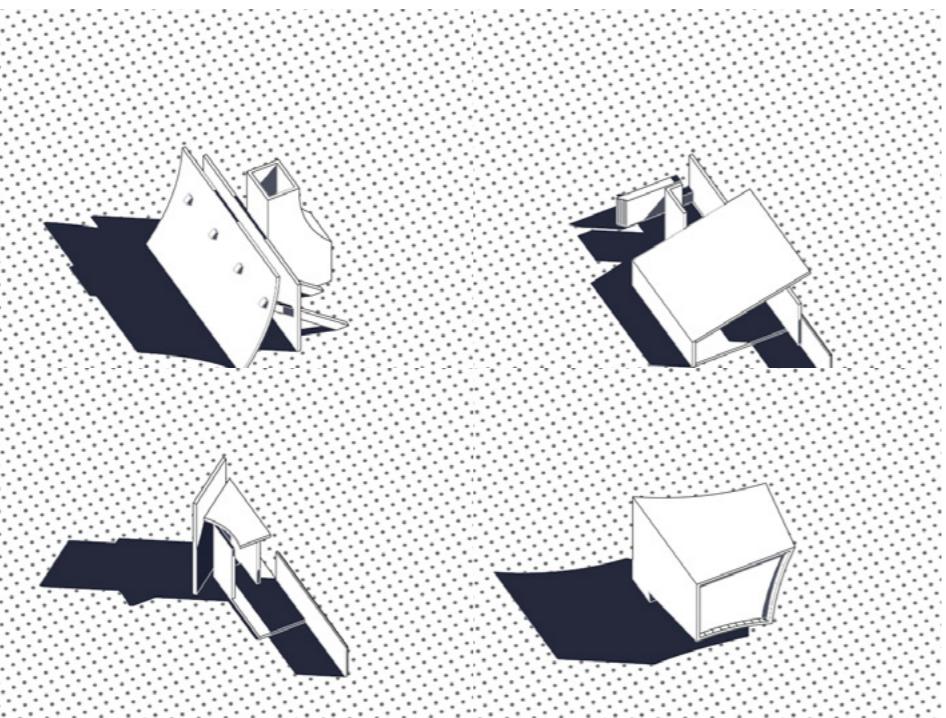
Composite spatial imagines are translated into models for further study. According to their spatial characteristics, spaces will be endowed with functions such as entrances, gardens, study rooms and so on.

前面得到的空间意象都被制作成了相应的模型，以供进一步的研究。根据这些空间意象的氛围，它们被赋予了不同的功能，比如入口、书房、中庭等等。



Those spaces will be structured together and developed into completed buildings including dormitories, libraries and theatres.

而后，这些不同功能被组合在一起，成为完整的建筑，比如宿舍、图书馆、报告厅。



Return to the Environment

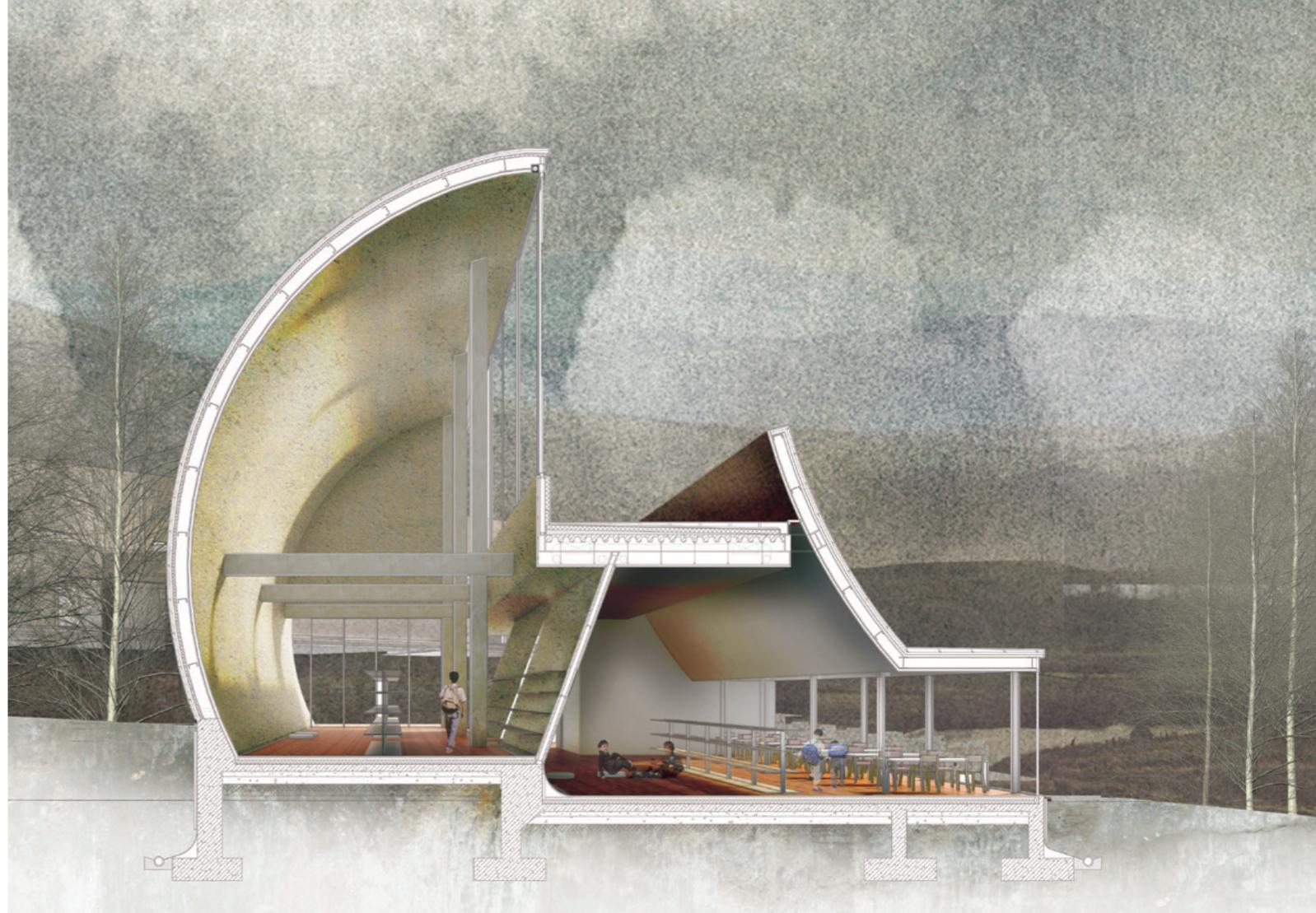
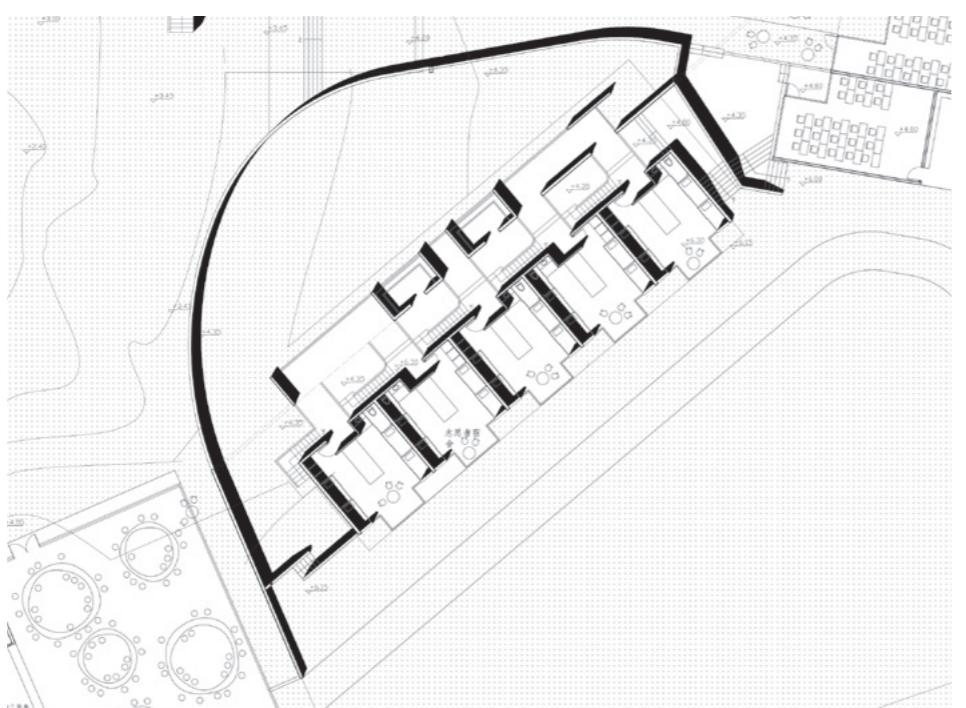
During the final phase of this approach, composited buildings will stay flexible enough so that they can embed themselves into the topography and interact with the environment.

最后一步是将这些建筑放入基地中。但在这一过程中，建筑的形态、内部布局等等会根据基地环境以及马耳山的地形进行不小的调整，以保证建筑最终能与环境紧密结合。

Ground Floor Plan and Transverse Section: Library and Exhibition Hall



Ground Floor Plan and Transverse Section: Dormitory for Students





03 **Farming Forest**

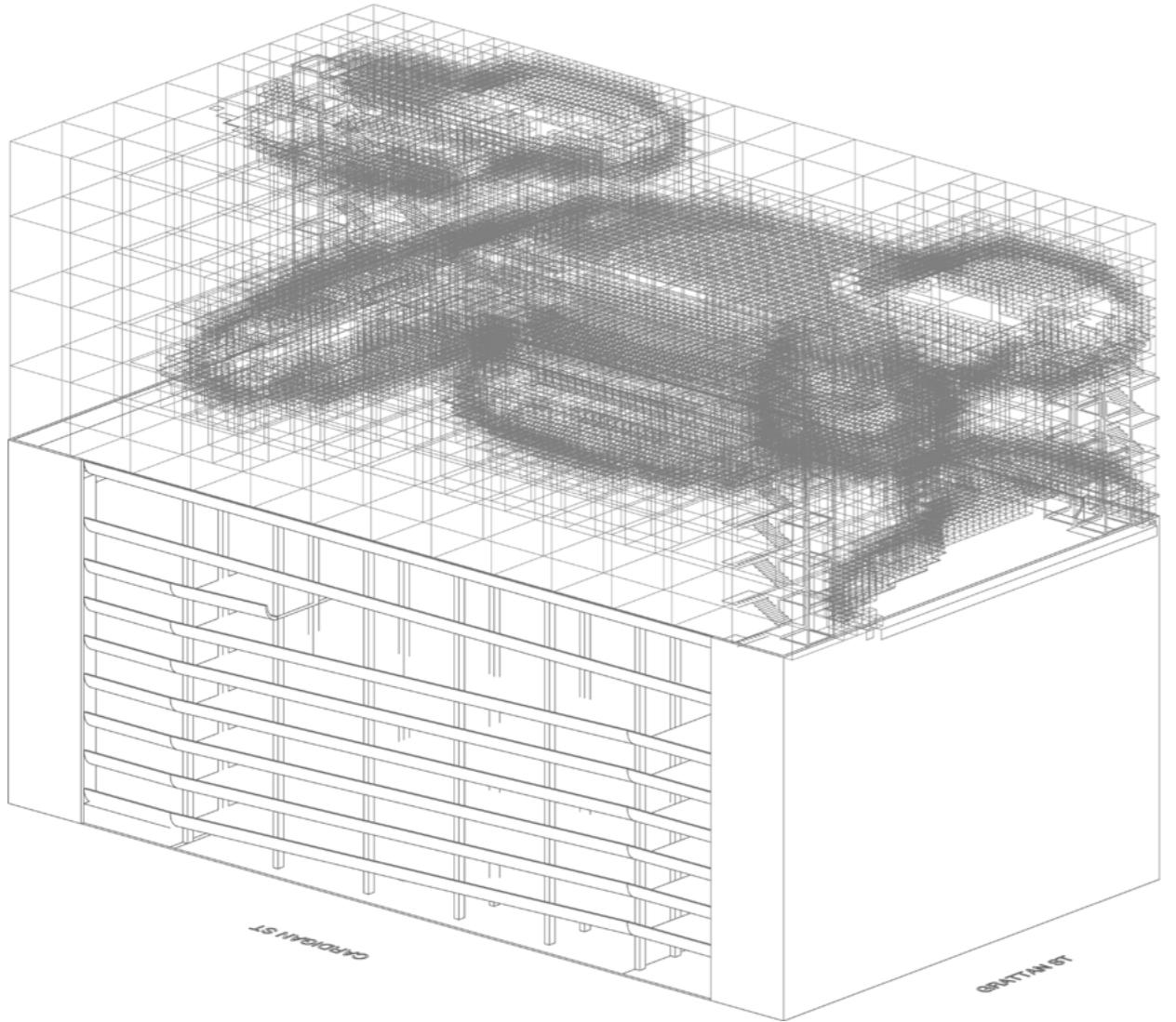
--Melbourne Urban Farming Research Centre
12-week Studio Work, October 2018
Individual Work

This parametric design studio is basically focused on maximizing the utilization of the roofs of existing buildings. Owing to the advance of sunlight and rainwater on those roofs, urban farming became the theme of this proposal, and this expansion project will provide an urban farming research and education centre for the Melbourne Innovation District project.

03 **农业森林**

-- 墨尔本城市农业研究中心课程设计
12周, 2018年秋季学期
个人作业

墨尔本有着大量的地上车库，这个参数化设计课程则试图利用这些车库的屋顶空间。由于屋顶良好的雨水与光照条件，城市屋顶农业成为了这一设计探索的主题。因此这一屋顶加建项目将被设定为墨尔本的城市垂直农业研究中心，使用参数化工具对其结构和空间进行设计。



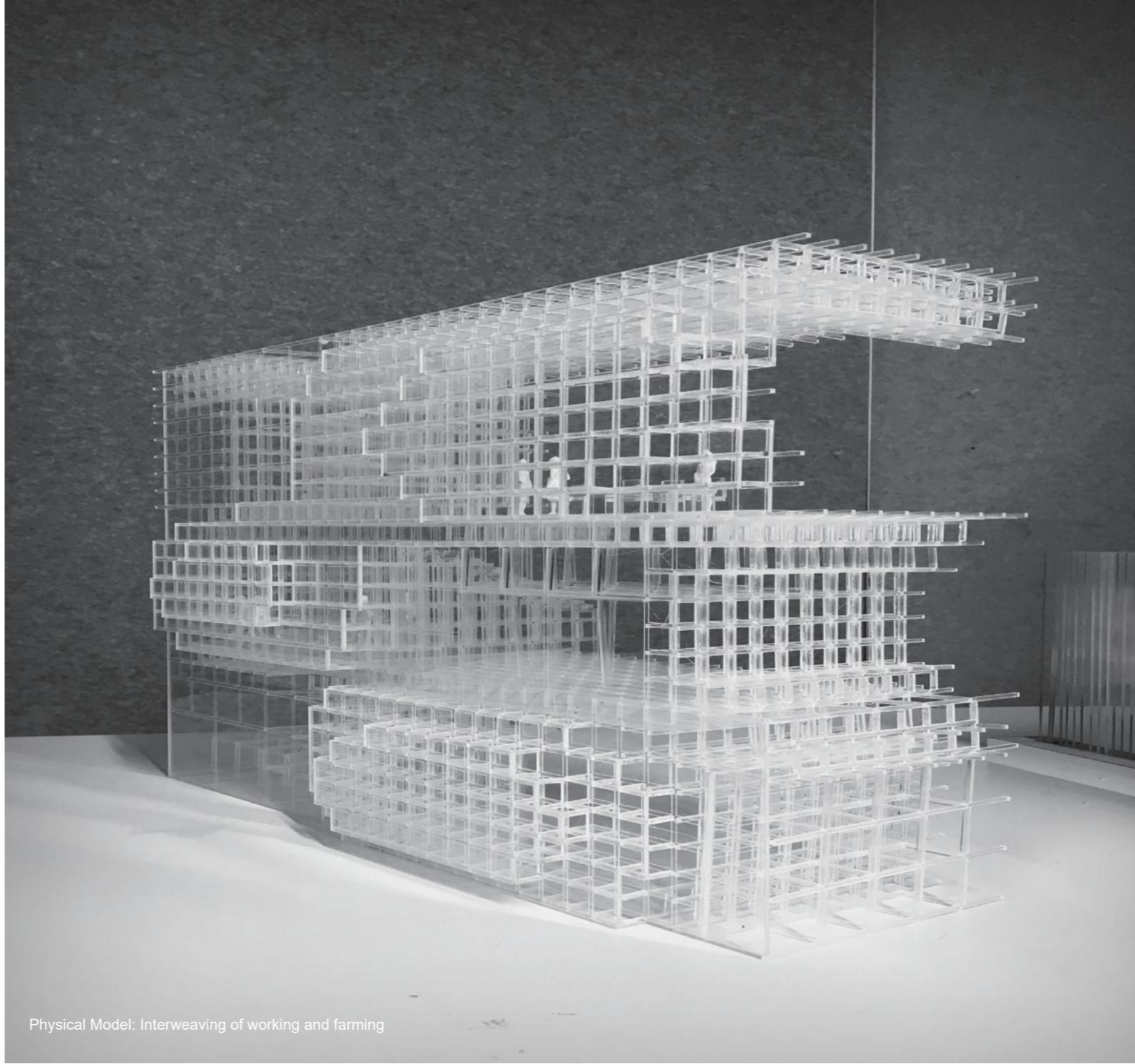
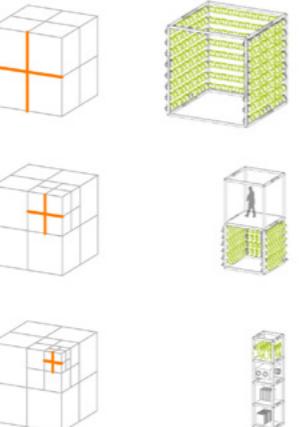
Floating Volumes

For maximizing the sunlight for crops, Urban farming areas are around the periphery and thus enclose office areas which act as volumes floating within the greenery. Position and shapes of those office volumes are generated according to an iteration of Ladybug sunlight analysis.

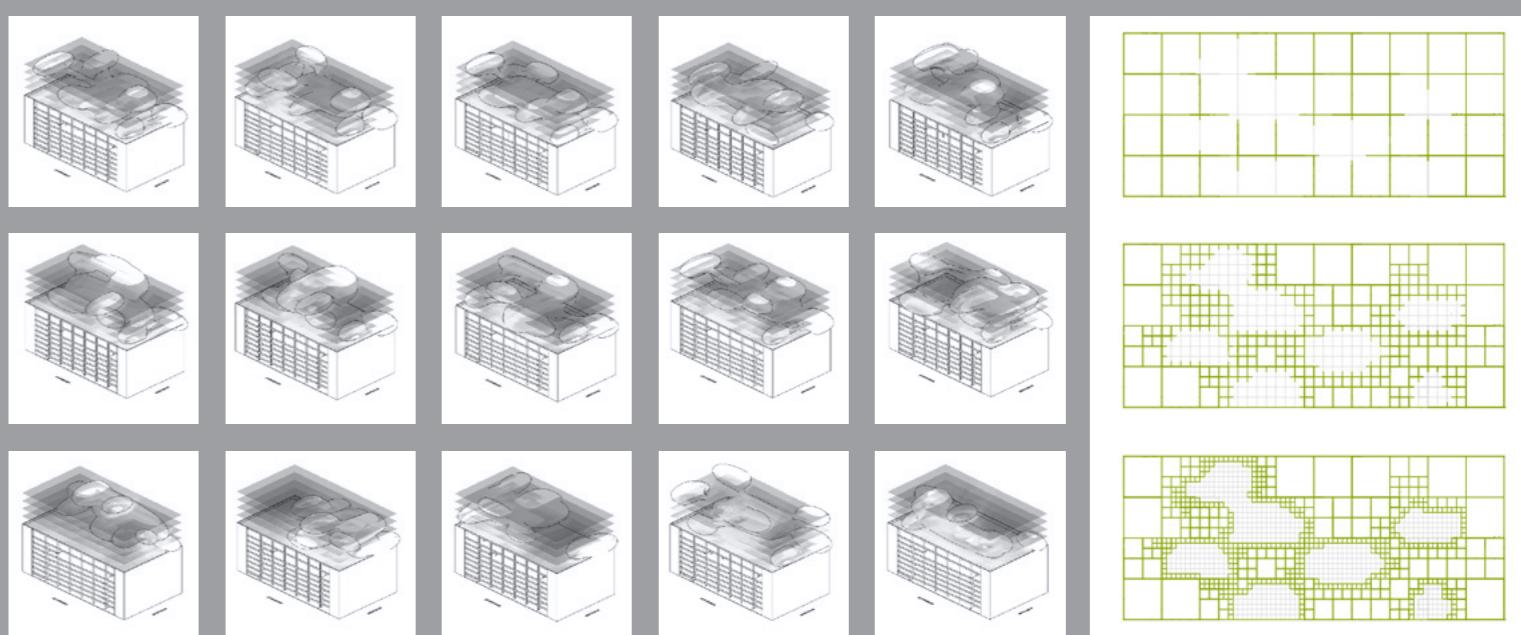
Since CLT is required to be the structure of the entire expansion part, the organic configuration is defined by the density of those linear structure elements rather than the exact shape.

为了使垂直种植的作物获得尽可能多的光照，种植区域被布置在加建部分的顶部和四周，因此办公区得以被垂直绿植所环绕。同时，办公区各个部分的大小形态和摆放位置，都在Ladybug中进行了计算和调整，以保证不同区域的光照环境尽量均匀和稳定。

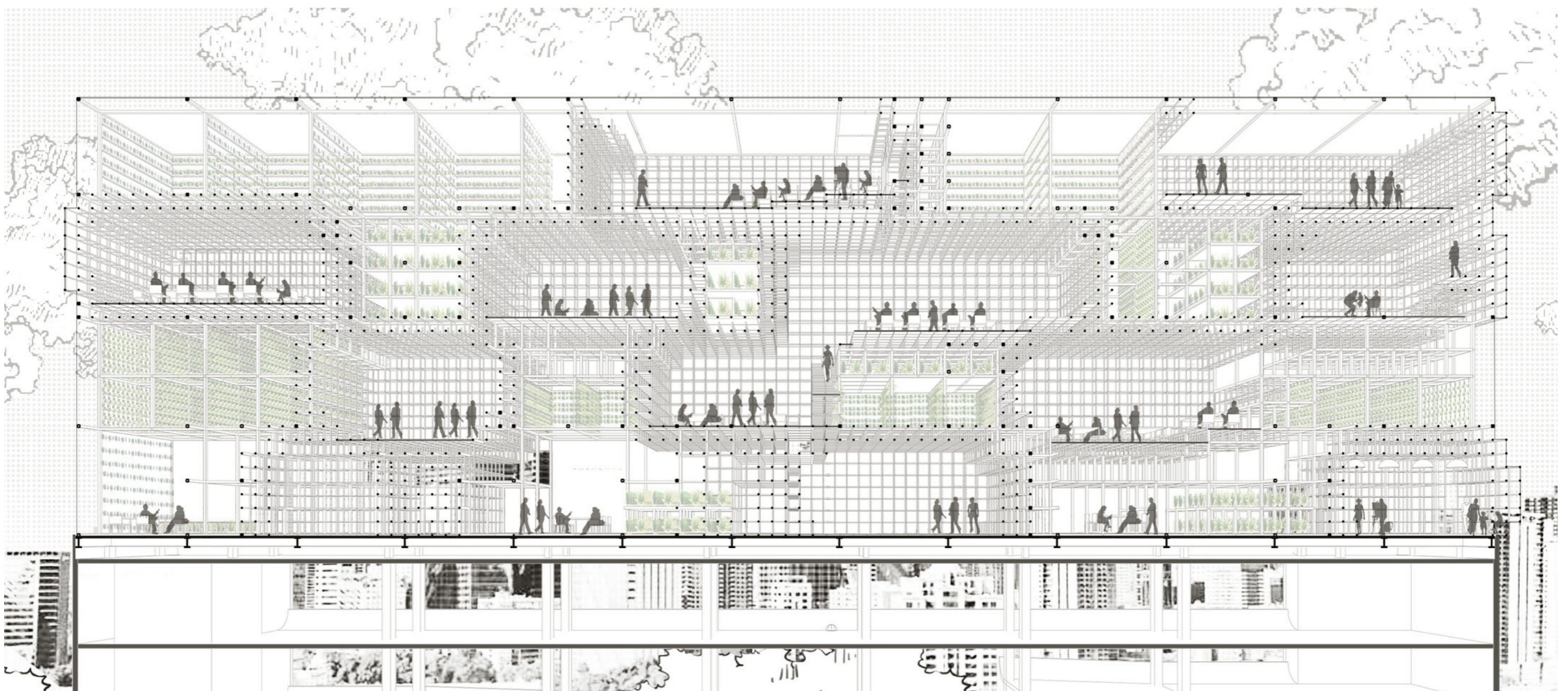
这一项目要求使用小型正交交合木料（CLT）作为加建部分的结构材料。因此所有的设计方案都成为了小结构单元的组合。在这一方案中，根据种植、办公等不同的功能要求，加建部分的结构被从大到小分为了不同的单元。从外部垂直种植的4m*4m体量单元，逐渐过度到内部办公家具的50cm*50cm的体量单元，并且以这些小单元作为办公区与种植区的分隔。



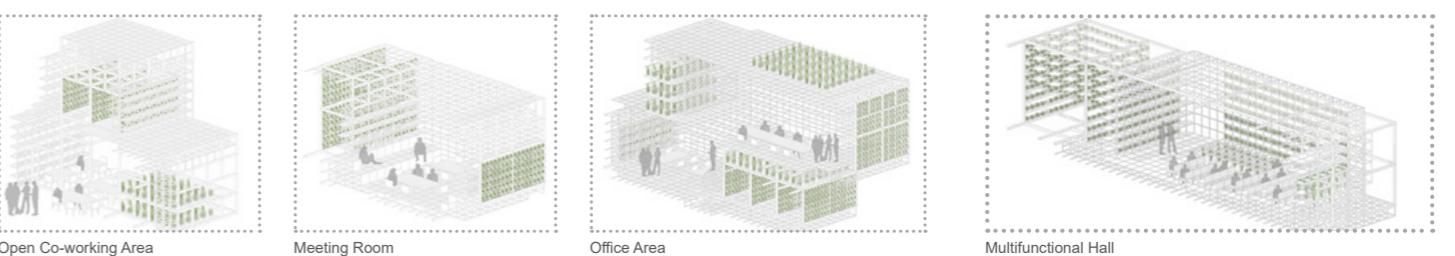
Physical Model: Interweaving of working and farming



Sunlight analysis for different configuration methods



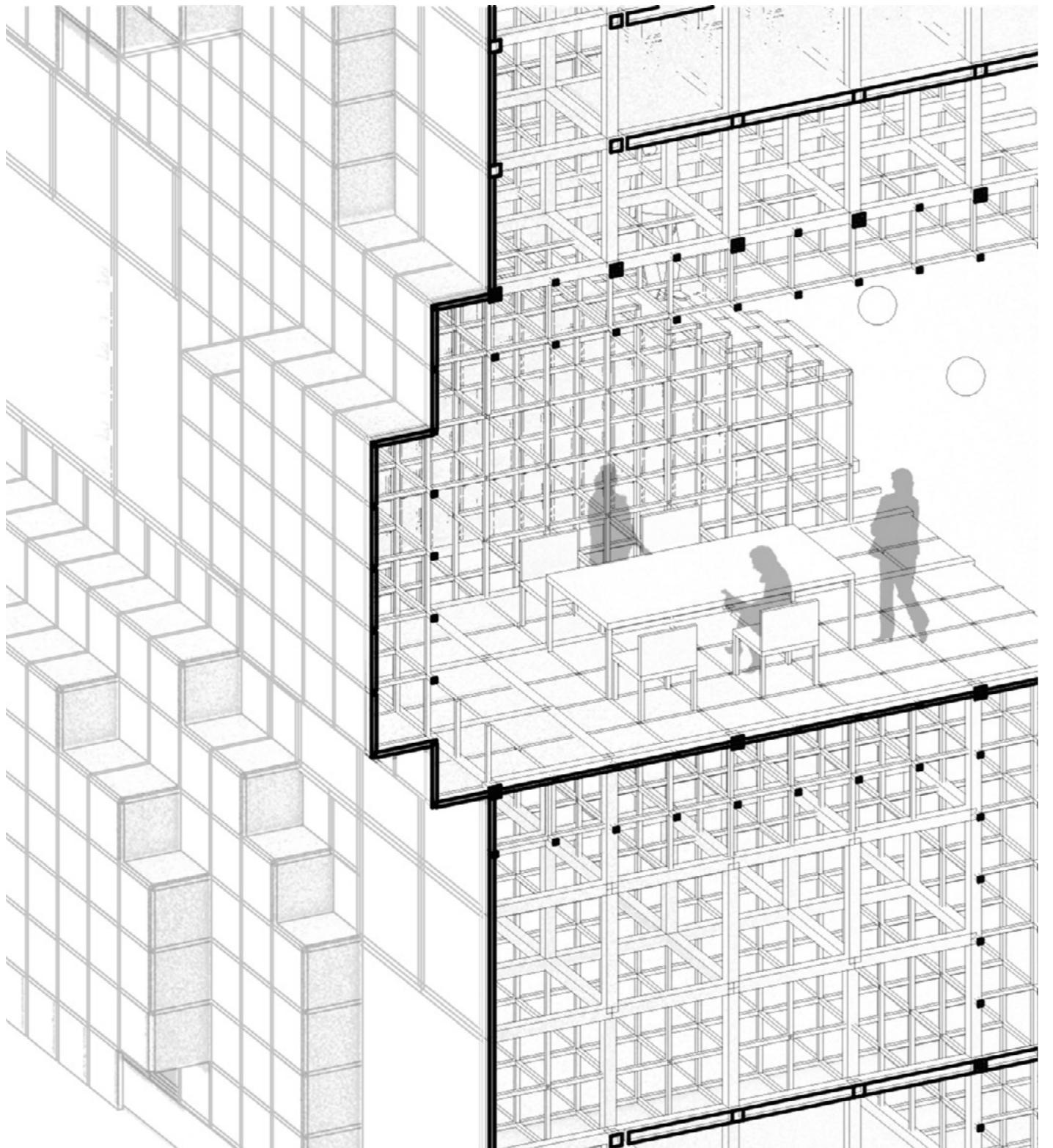
Transverse Section



A Mixture in the Terrarium

Floating within the mass urban farming terrarium, office volumes would accommodate different functions including collaboration space, private offices, educational hall and urban farming research centre for the Melbourne Innovation District project. All of them are integrated with the urban farming area.

大大小小的办公空间被垂直种植区所围绕。根据这些办公空间的体量和位置，它们被赋予开放办公、会议室、研究室、报告厅等等不同的功能。同时在它们内部，人们可以与部分垂直绿植紧密互动。



Section Isometric: Office without solid partition

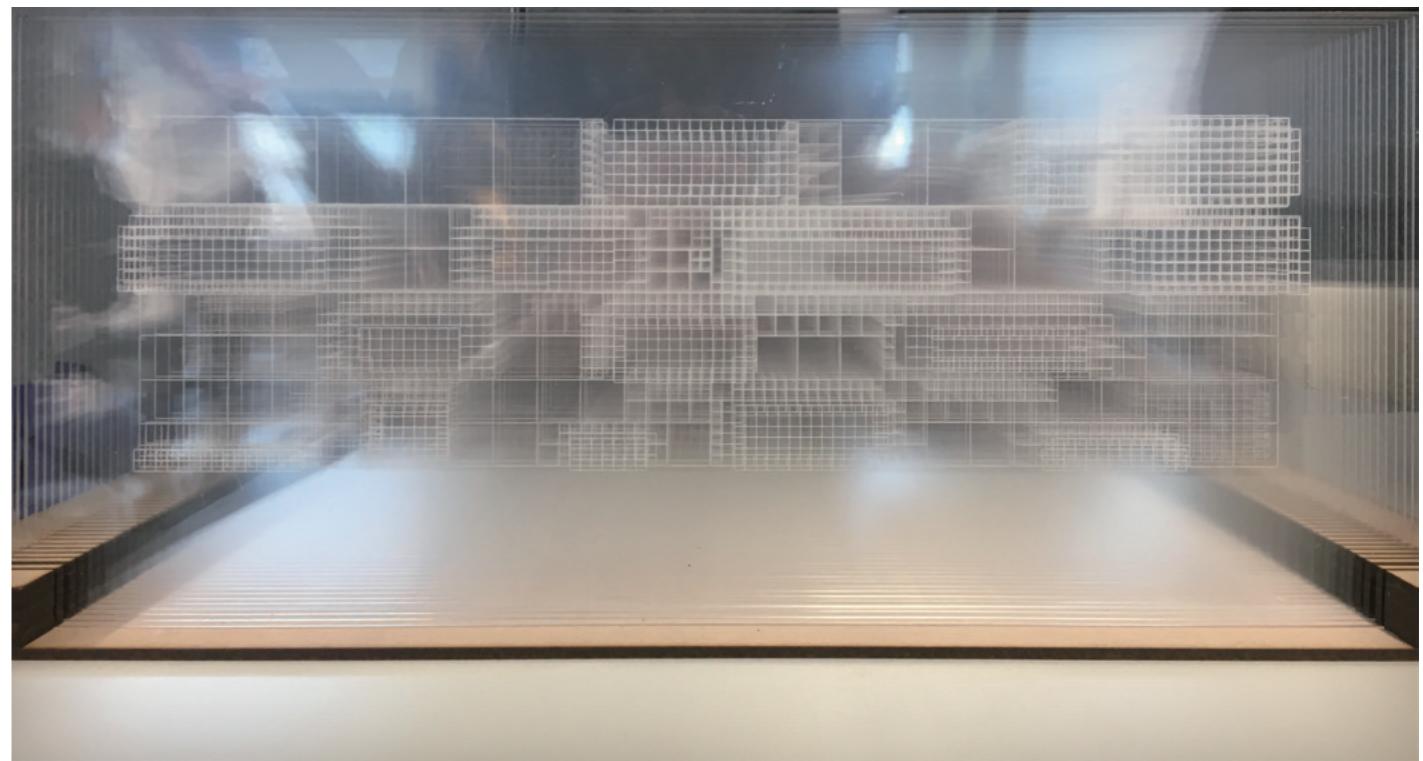
Blurring Boundaries

Generated by density rather than solid partitions, the entire building is of a semi-transparent atmosphere and thus blend the boundary between farming and working, interior and exterior.

由于整个研究中心是由结构单元的大小和密度所划分的，而不是墙壁，建筑内部的空间得以呈现出一种半透明，内与外、种植与办公相互渗透的氛围。

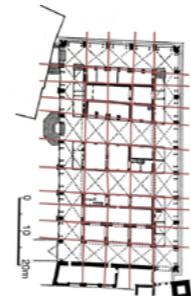
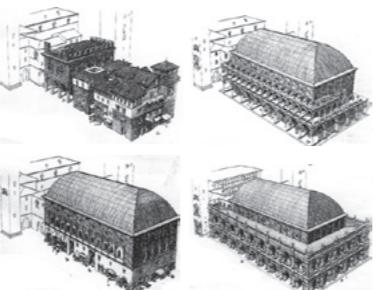
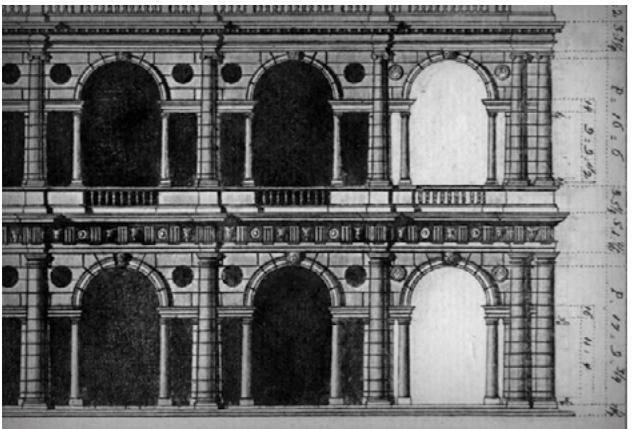


Co-working Space

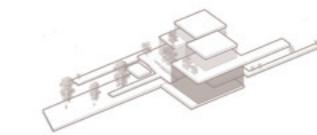


Physical Model: A Semi-Transparent Atmosphere

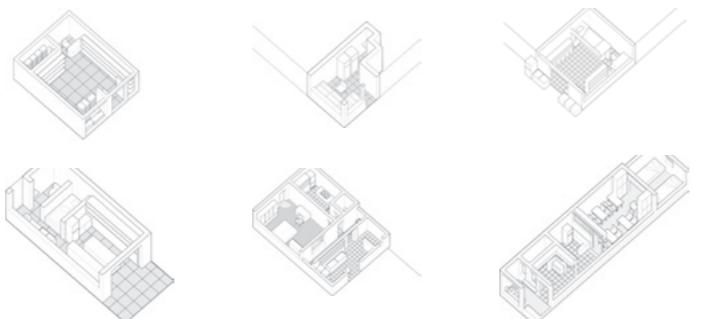
OTHER WORKS & STUDIO RESEARCHES



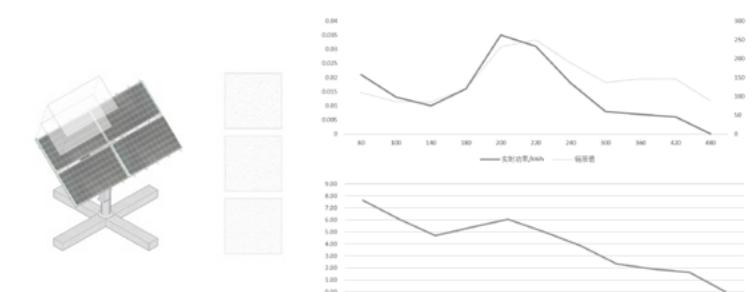
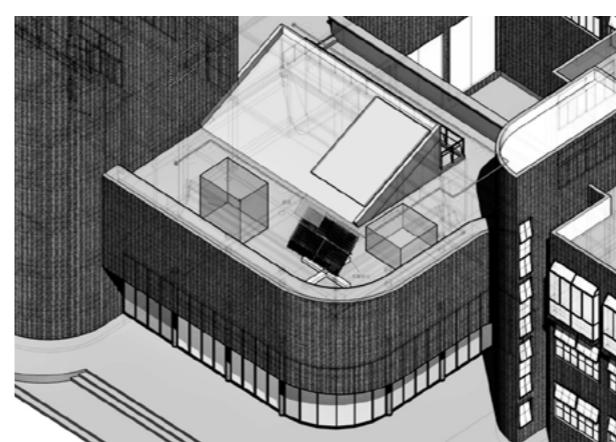
Studio Research on the History of Vicenza Basilica and Palladian Motive
Tutor: Prof. Wang Kai
Partner: Huang Shuyi



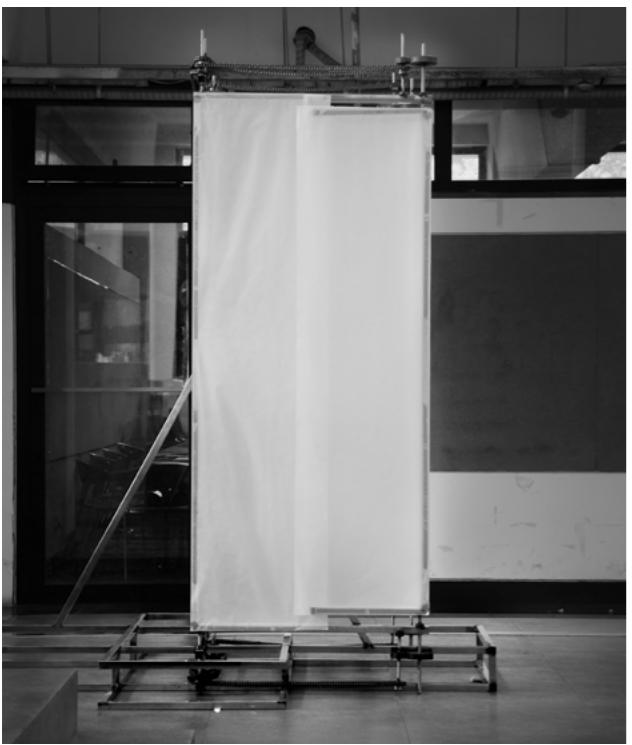
Layer Stage: the Proposal of Factory Renovation in Wujiao Area
Tutor: Prof. Fan Beilei
Partner: Huang Shuyi, Yao Ganjie, Zhang Wanlin



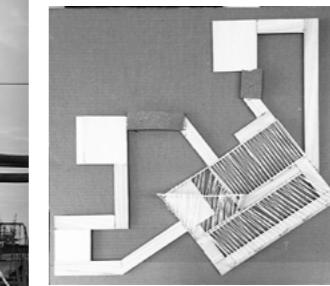
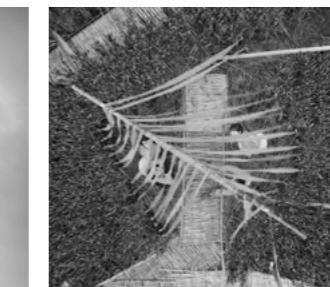
Survey of the Spatial Utilization of Residential Commercial Shops
Tutor: Prof. Wang Fangji
Partner: Chen Li, Feng Tian



Efficiency Fluctuation of Photovoltaic Equipment Influenced by Dust Fall
Tutor: Prof. Chen Juan
Partner: Chen Li, Lu Haofei, Zhu Yu, Zhang Wanlin, Zhou Yuxi



Experimental Installation: Not Door
Tutor: Prof. Wang Kai
Partner: Lu Yinin, Wang Zhaoyi, Zhang Wanlin



Maze in the Field: Traditional Fiesta after Harvest in Chongmin Island
Tutor: Prof. Dong Nannan
Partner: Gao Yuchen, Zhou Yuxi