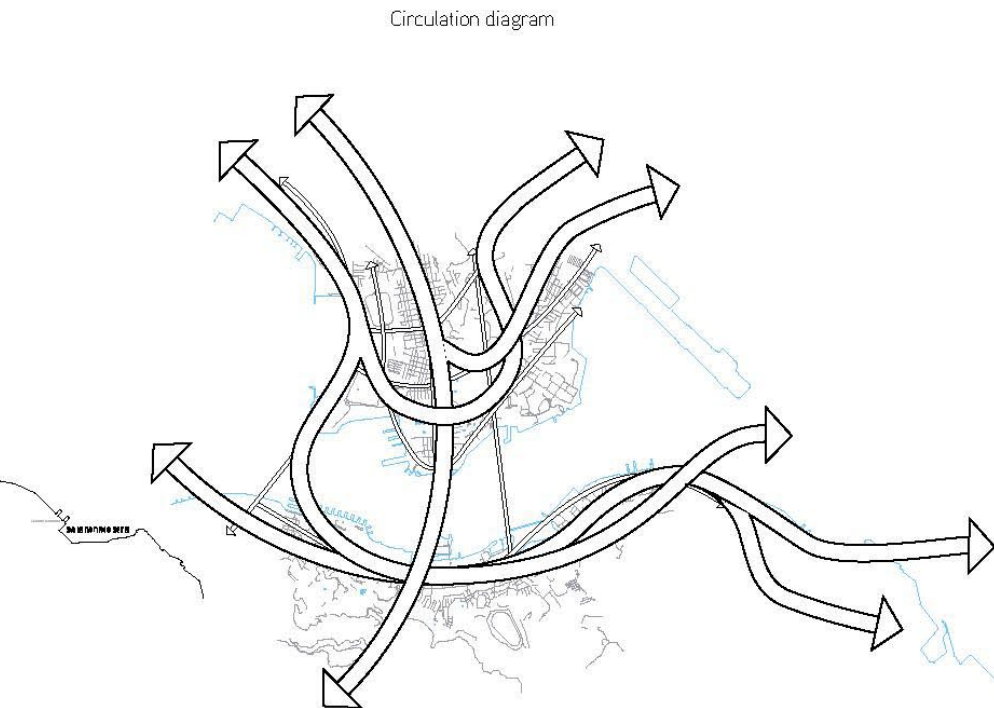
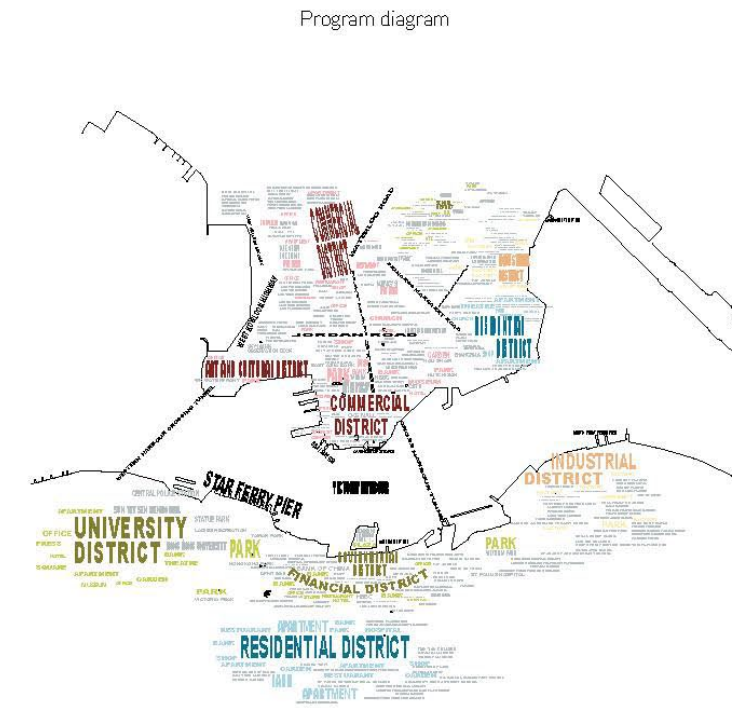


Undergraduate Thesis

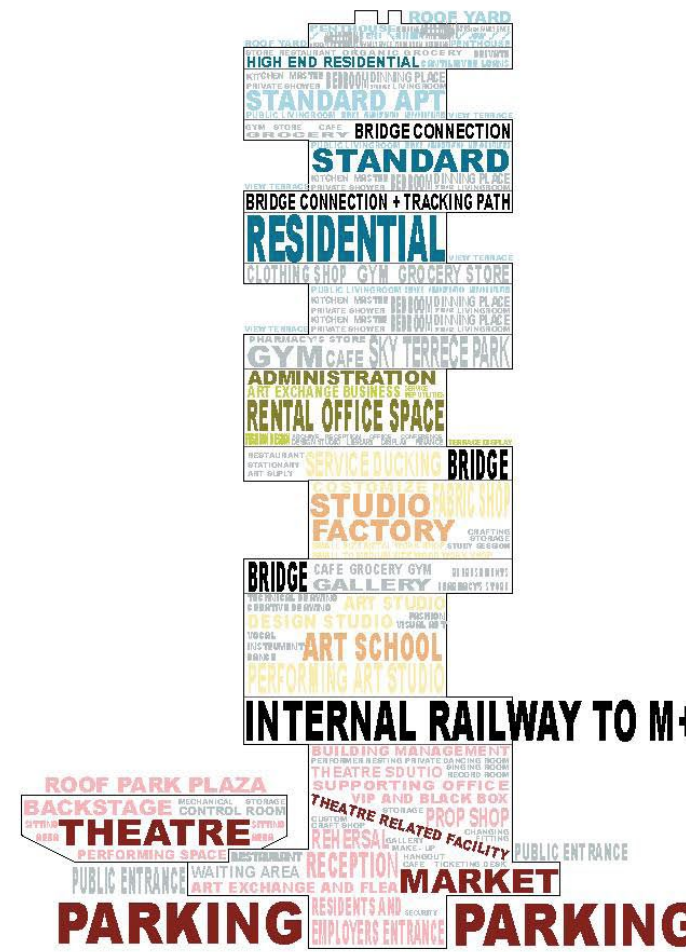
In a dense urban condition, a mixed-use building should not accentuate the formal presence of the building itself, but the environment that supports people's various activities. The form disappears as people circulate within the space. In other word, the building becomes city-like. To design such a building, I have analyzed urban conditions and methods that can inform and be paralleled in the architecture. The following are seven scale subjects that are engaged in this study:

- Topography – City – District – Building
- Programmatic Unit – Program Cluster – Room

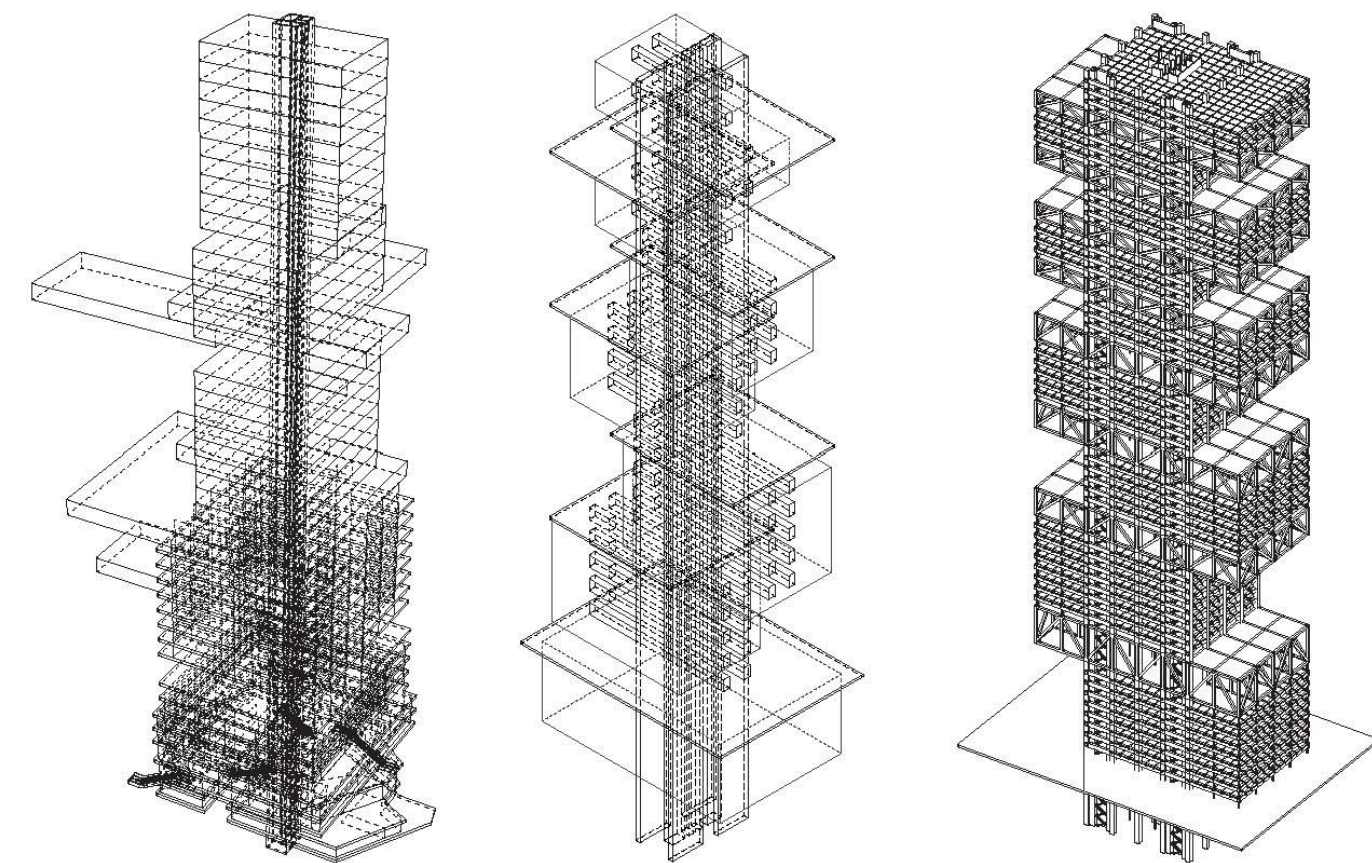
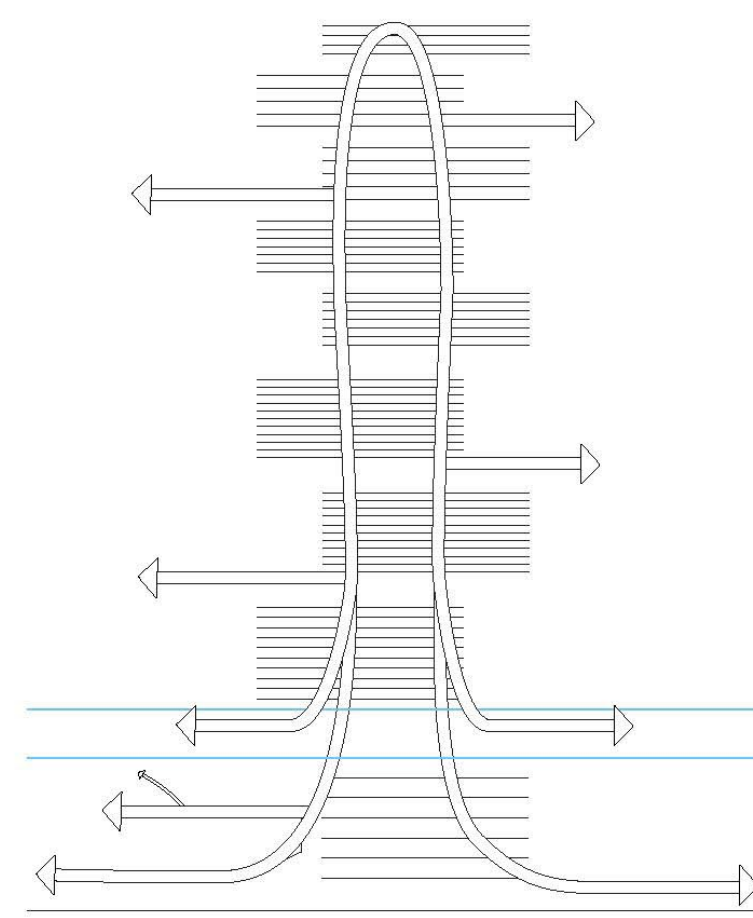
There is a comparable relationship between any two scale subjects, which is the relationship between context (larger scale) and occupant (smaller scale). There are three major aspects to this relationship: the property of occupant; the topology; the circulation. While the organization has algorithmically determined, the design of space is established according to the architects' knowledge and judgment.



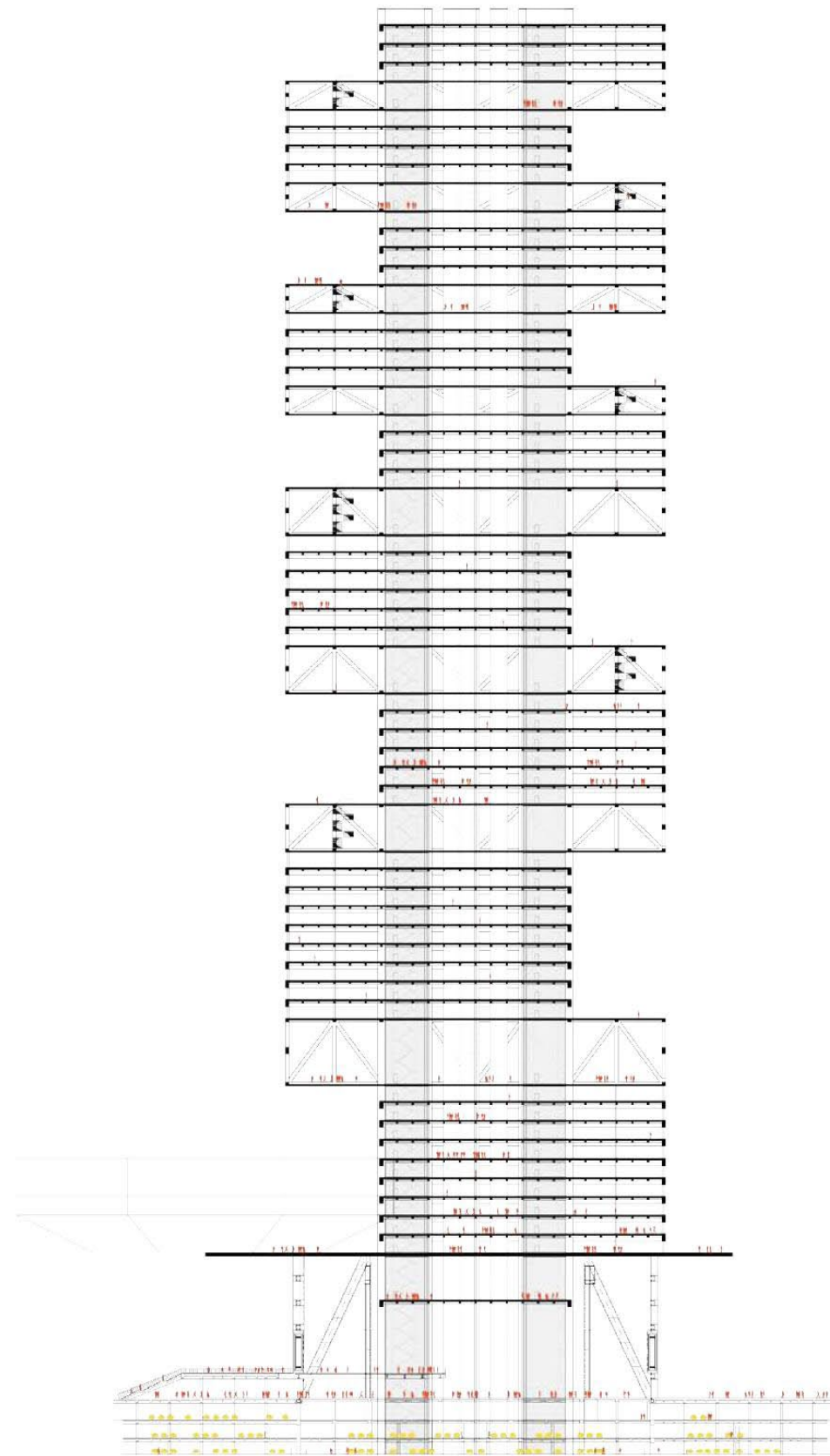
Hong Kong



Theatre complex



Context Occupation
 Topograph - - - - - City
 City - - - - - Building
 Building - - - - - Room
 Building - - - - - Room
 Room - - - - - Furniture



02

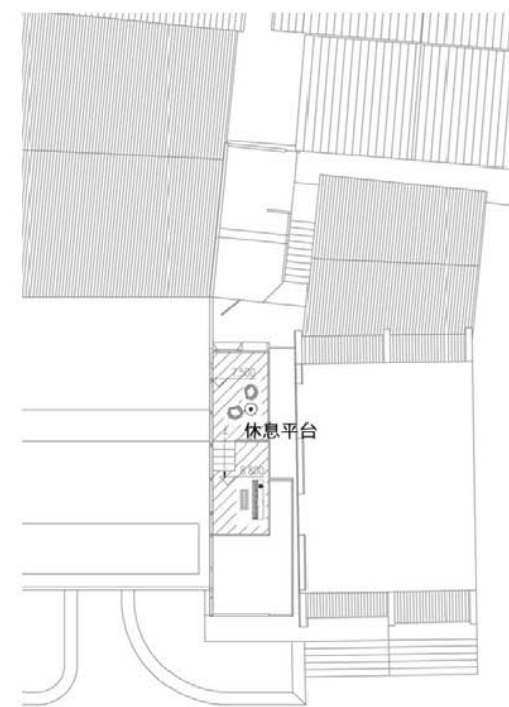
Wuhan Compact House

visiting program

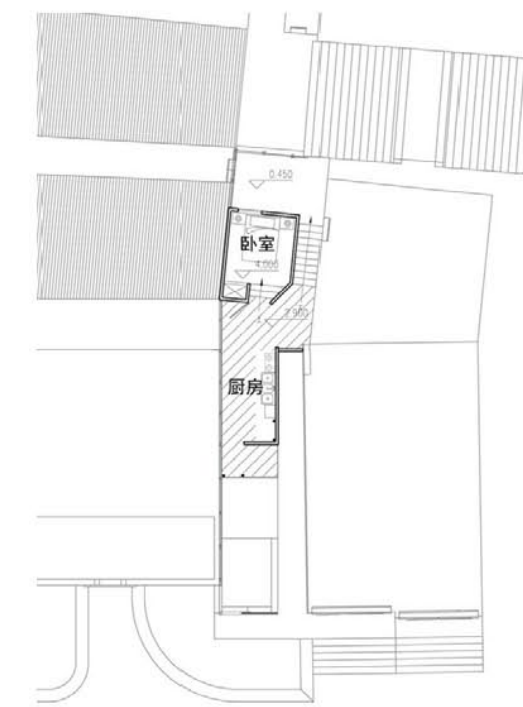
The project is to design a small residential apartment based on group research of current Wuhan central riverside area.

In stead of searching for a suitable location for a single house, the already dense but still growing population with lower incomes raises a more interesting question. Is there a compromise in between even only for temporary period?

The solution here is to use the usual apartment plan as vertical section, and slide the apartment into narrow dead end corner.



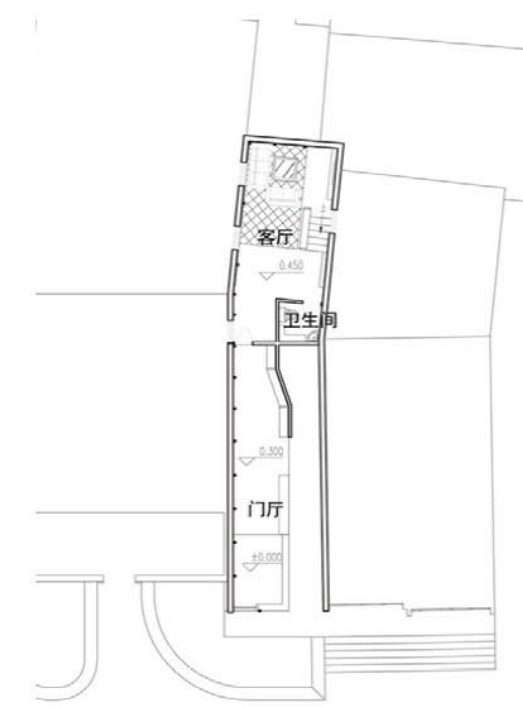
3rd floor 1m



2nd floor 1m



site plan 3m



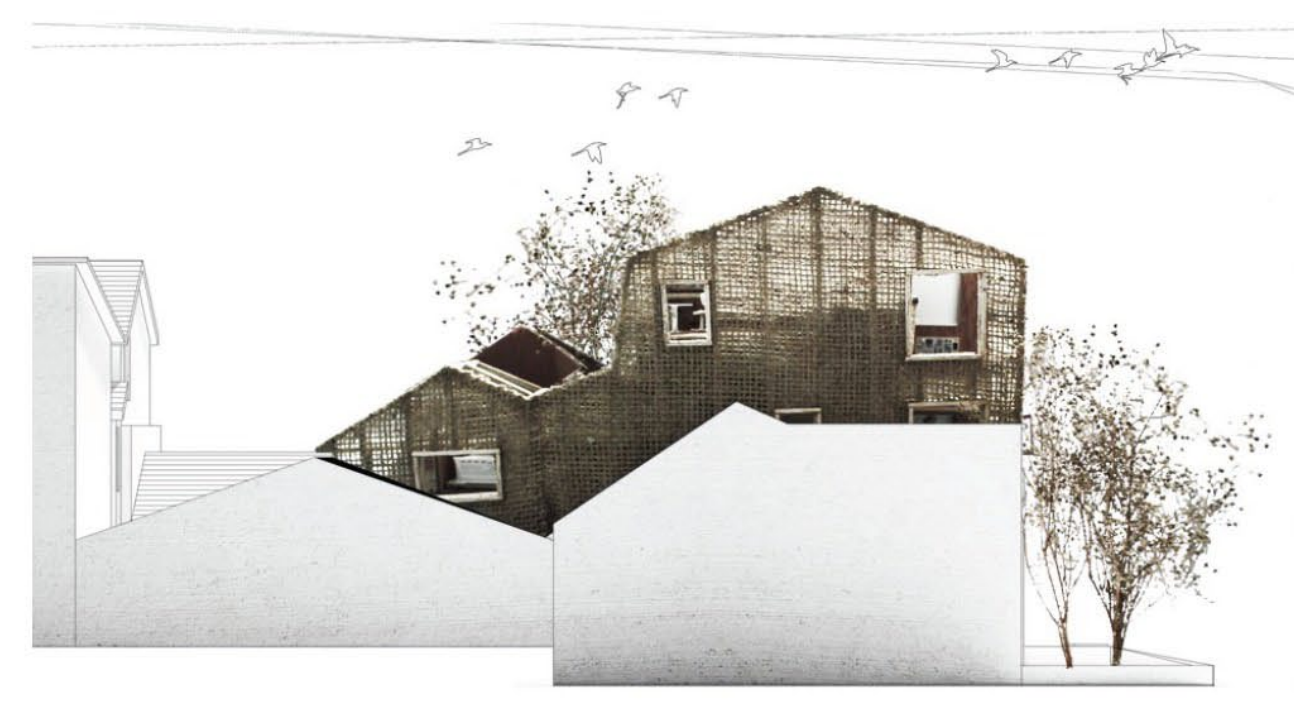
ground floor 1m



model section



section



west elevation



south elevation

Event Space for Wenhua School of Architecture

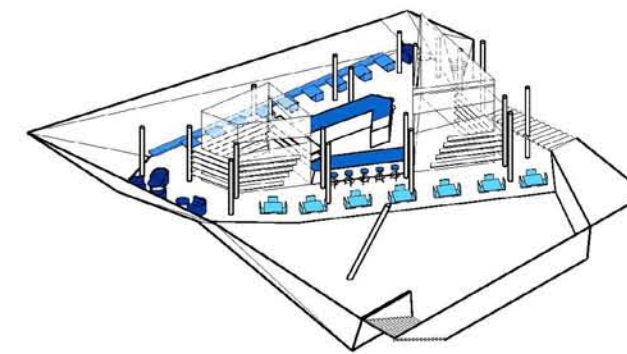
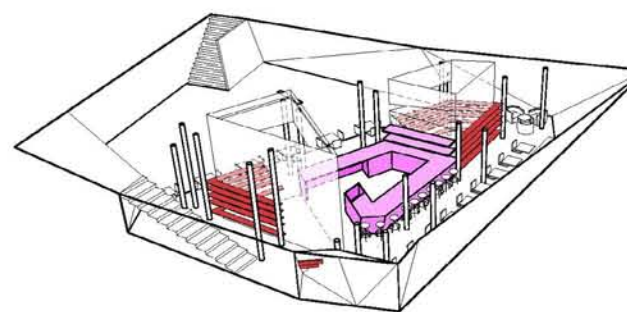
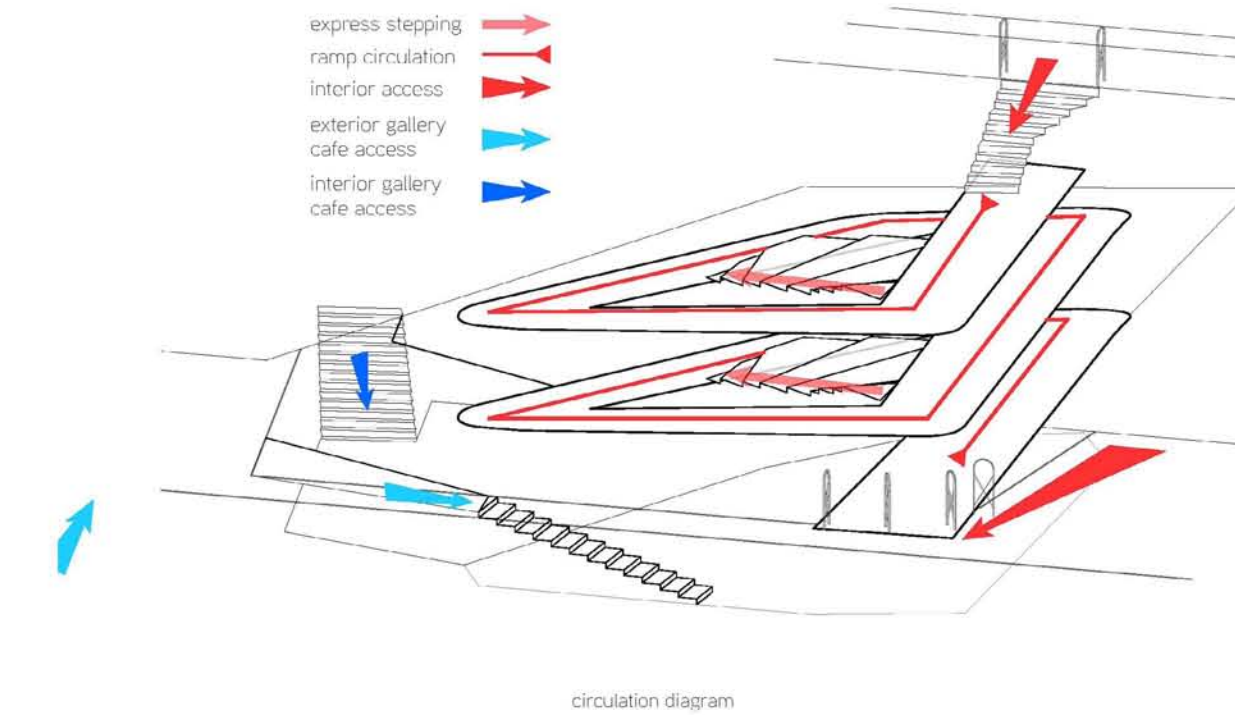
Founded by a HUST alumnus who keeps a passion in architecture, the future WENHUA School of Architecture and Urban Design is sited on a current old factory. A renovation will soon take place, bringing a mixed-use building, meaning a hub for design major students and faculties, perhaps visitors with an interest in design. As both a symbol and commentary on the conditions of the new school, the making of a new facility has the potential to literally embody the fundamental principles of HUST architecture and urban planning department: NEWNESS; UNIQUENESS; INTEREST; LOGIC. It is the optimistic contention of the design that the building will provide revolution to the current teaching methods in China. The project is to design a studio for architecture, art and urban design students.

The initial ideas for the entire factory renovation were proposed by each of the 12 students. The group of two were assigned an area for detailed concept design. Our part consisted of a library, a sunken plaza and a cafe.

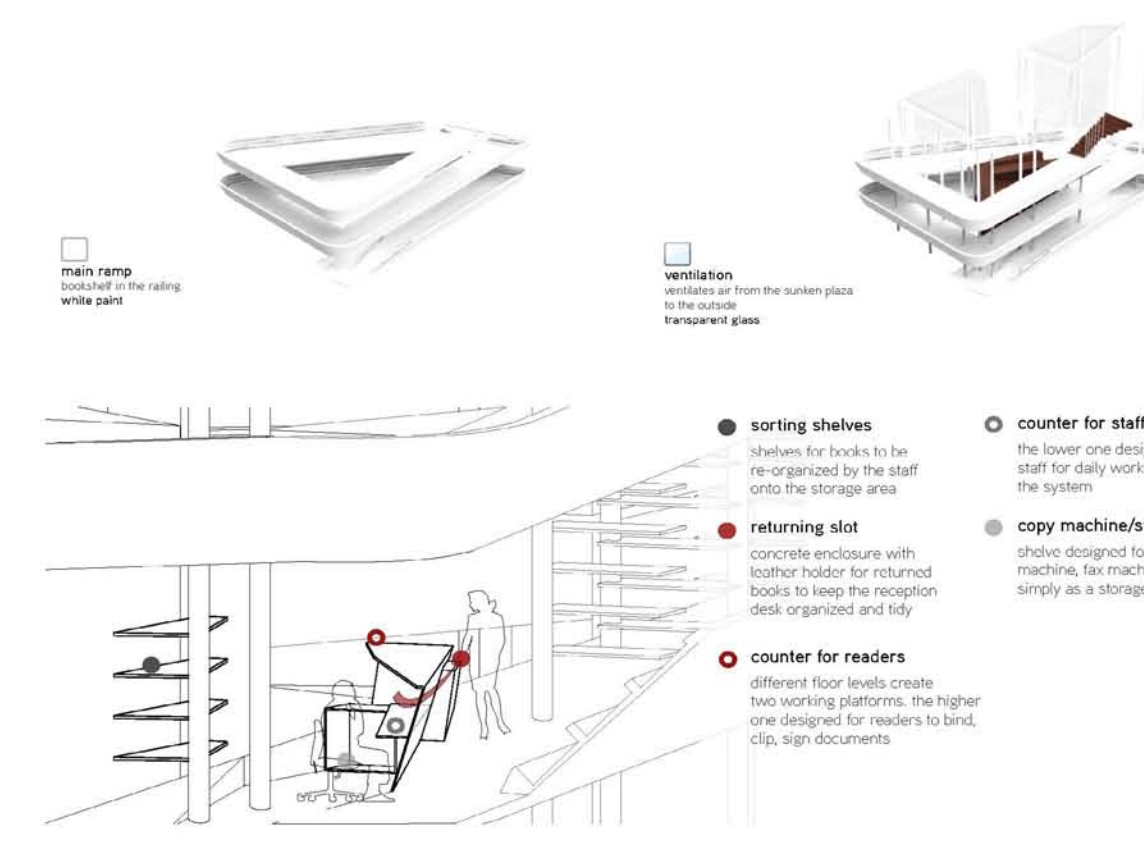
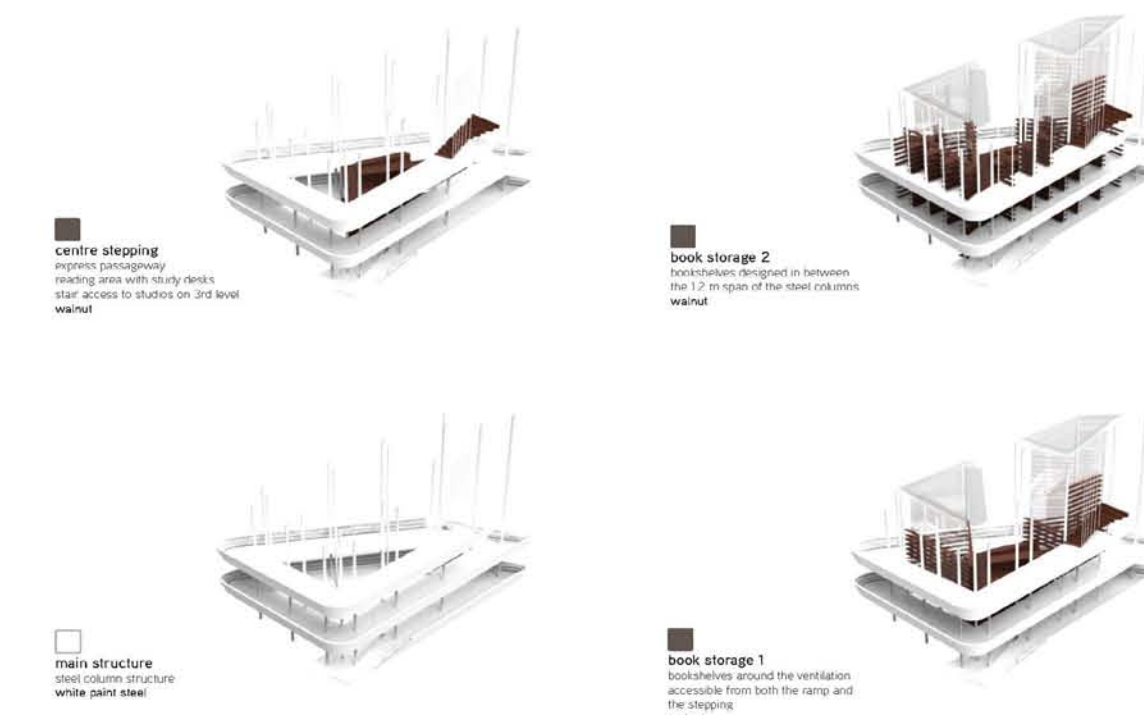
RAMP

In the making of a vertical independent system
A system to merge human activities into functionally one dimensional circulation facility.

With the variegated human activities based on its verticality, the event space breaks down the rigid paradigm of the building's existing horizontally, connecting the isolated teach/study events happening on the horizontal levels, thus rebuilding the overall environment to a well-welded interaction integration.



- bar/preparation**
the heart and center of the open cafe inserted in between the ventilation chimneys
large area of counter space ensures the variety of food provided the preparation of food is transparent, realizing the openness needed large storage space below the surface / build-in sink
- display**
built-in shelving around the ventilation chimneys display books and magazines for customers
the sculpture triangular niche for display event posters and promotion booklets is located at the end of the civilian entrance
- interaction/activity**
right next to the sunken plaza / exhibition room, more interactive compared to other seating zones
customers can enjoy the display while having a coffee and a conversation
- meal/study**
located at the back of the coffee house, away from the event vibes designed for formal meetings, also providing sufficient seatings for the purpose of study if the library is full
- drinks/quick grab**
the seatings around the bar are designed for customers looking for a quick snack and drink to go
- lounge/reading**
the lounge sofas in the corners provides relaxing leisure reading space also suitable for informal talks and gatherings



library management operation



library entrance



sunken plaza and cafe seating

04
Black Gate One Head-
quarter

///byn studio internship

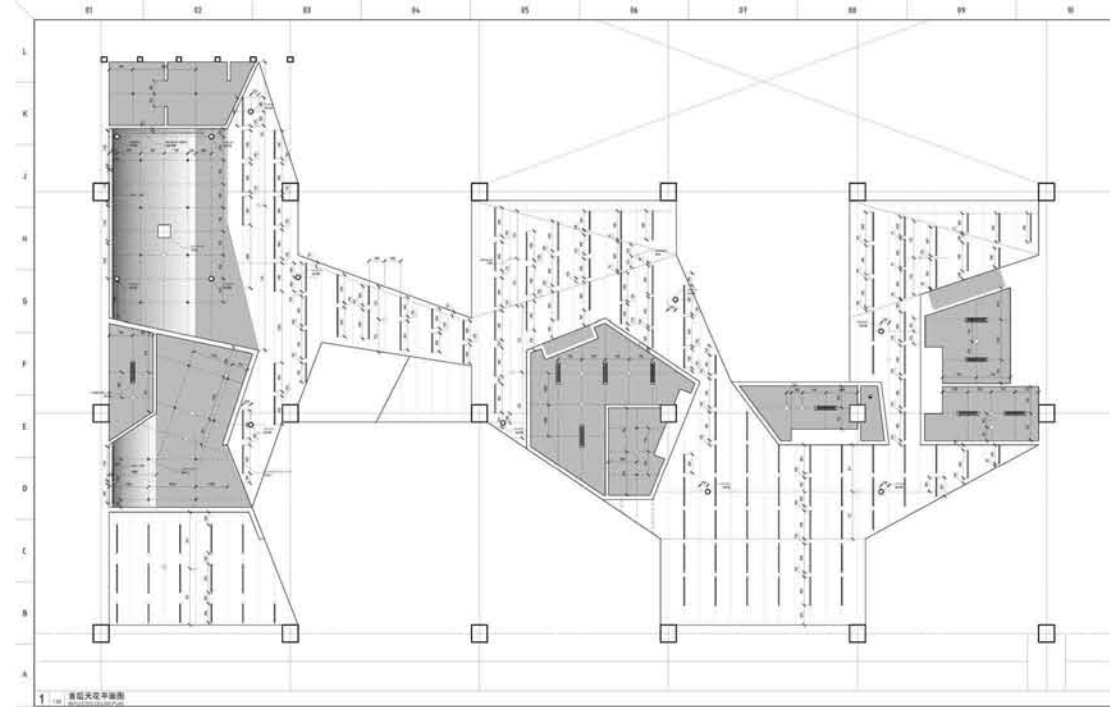
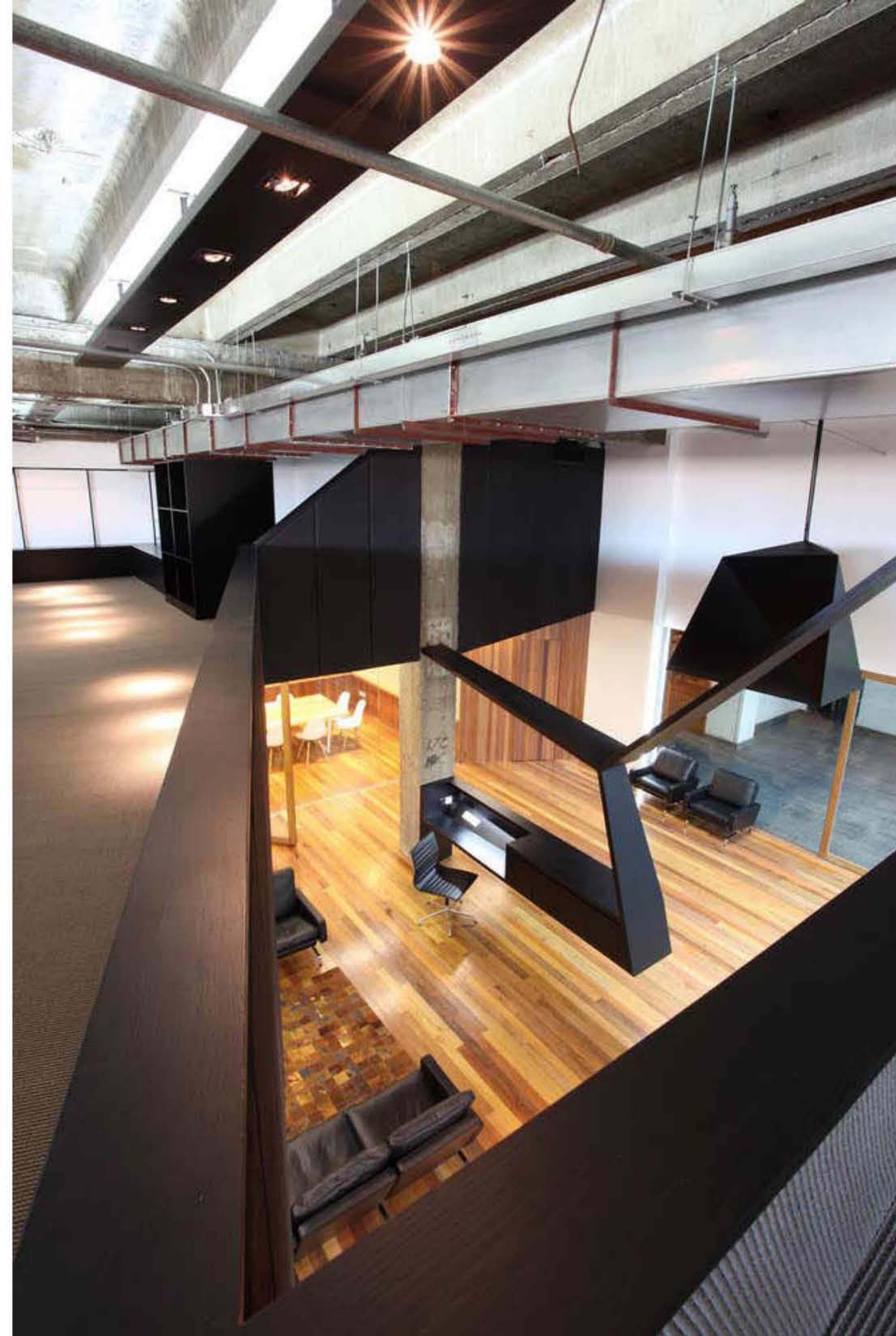
The original space was a bare industrial space in Shanghai downtown converted into a commercial building. Our unit has a floor area of 500m² and a clear height of 6m what gave us the opportunity to build a mezzanine and add an extra 250m². The program had to incorporate the central offices and showroom of a local high-end fashion brand. We decided to use the mezzanine as showroom and keep the ground floor for office use. The geometry of the mezzanine that is winding through the original structure shapes the distribution of programs underneath. My tasks are as following:

Design

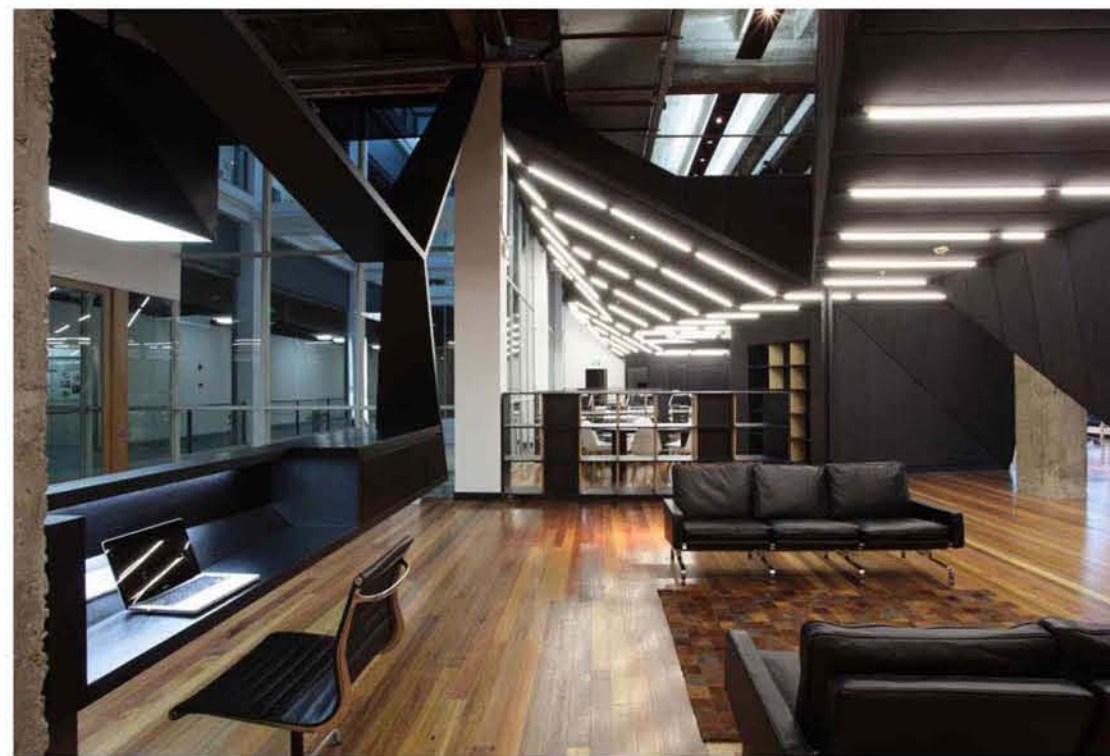
- site visiting
- client fashion brand research
- furniture design research
- architectural drawing amendments
- code research
- design related text translation

Management

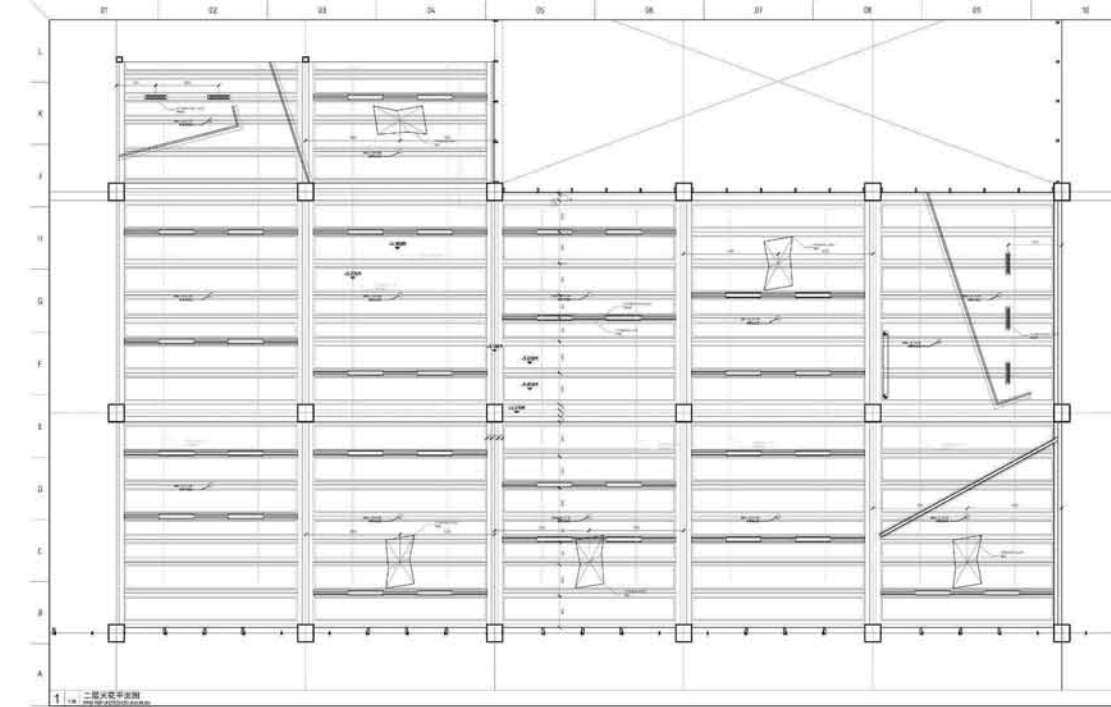
- client / contractor contact
- FF&E company research
- FF&E price report chart
- draft budget amendments report



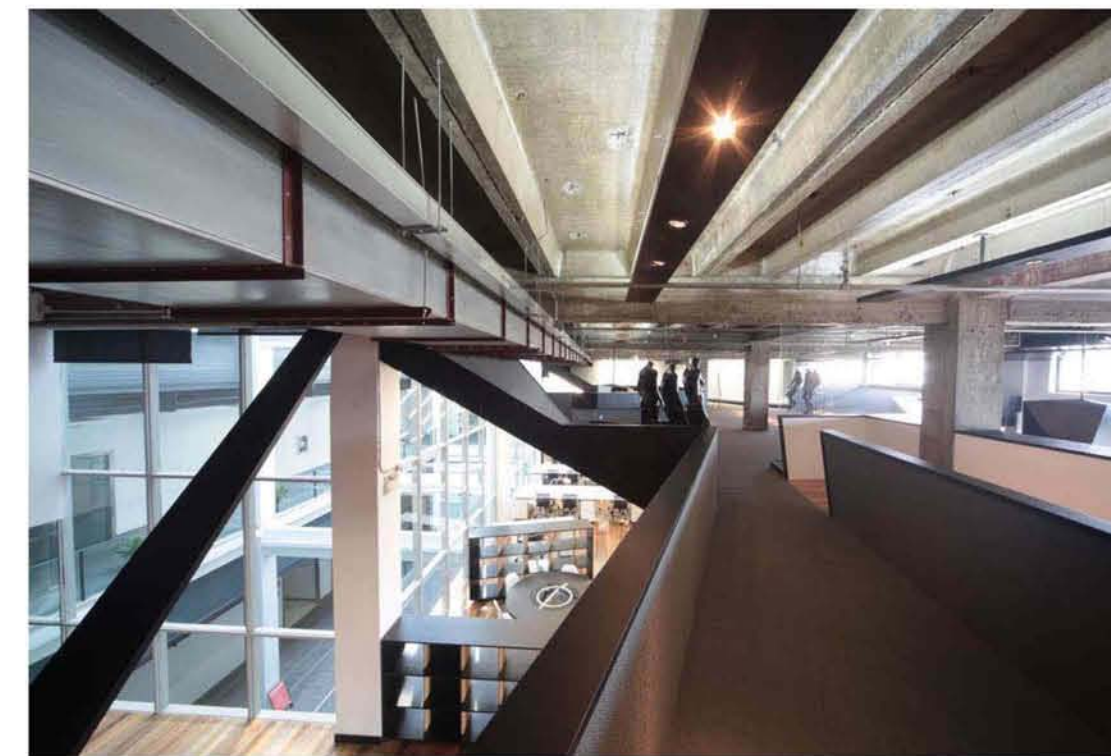
1st floor
reflected ceiling plan
lightings & fixtures



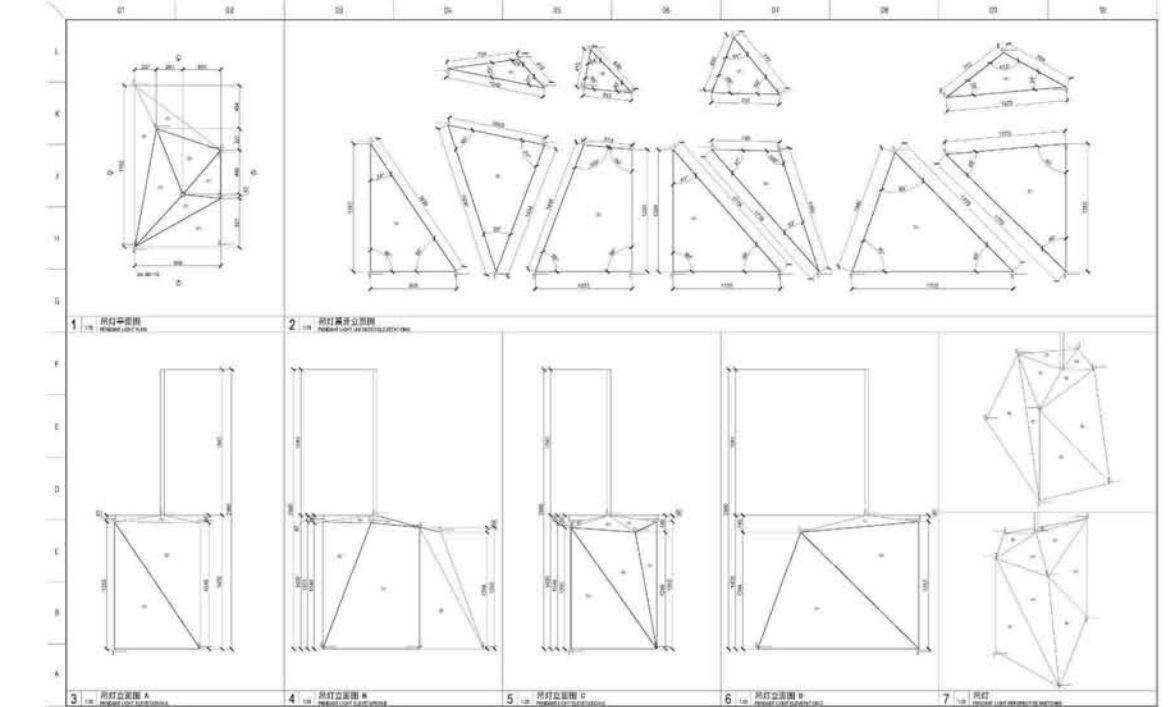
main floor
reception



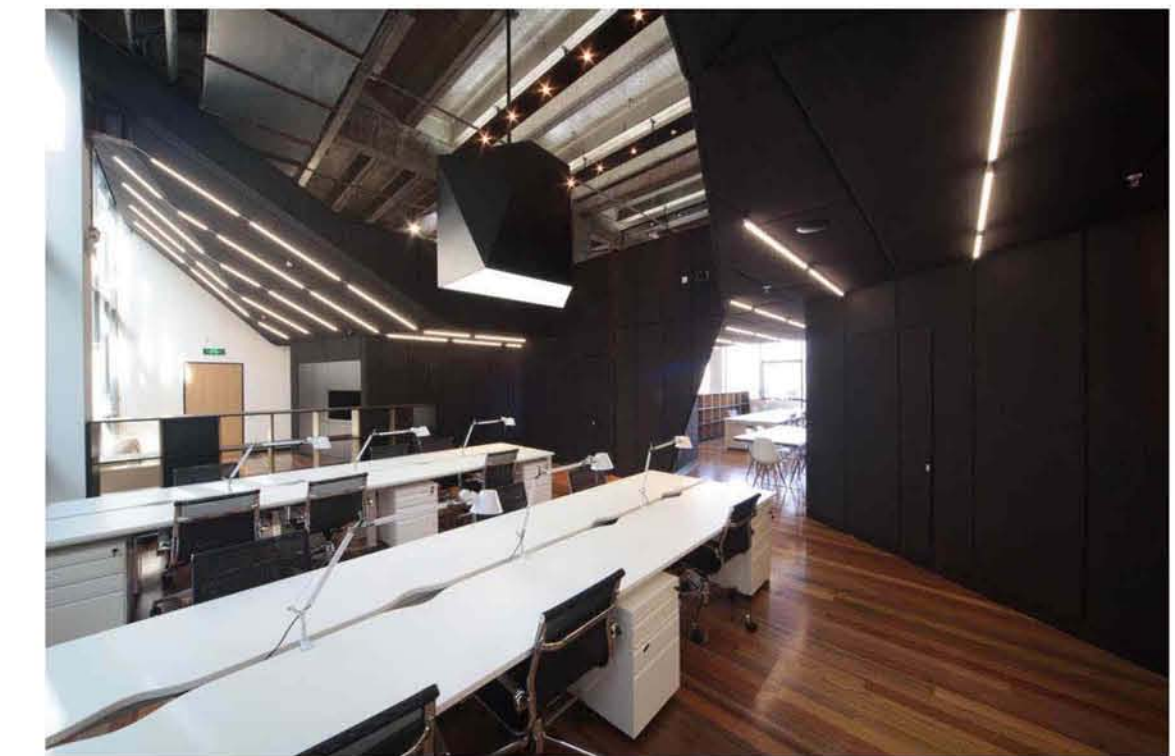
2nd floor
reflected ceiling plan
lightings & fixtures



mezzanine
catwalk



ceiling lamp
schedule



major lighting
fixtures

05

Ordos Xi Yuan Day Care

///byn studio internship

Ordos as new rising city in inner Mongolia is expanding rapidly. Local government called for education building designs to compromise the increasing new Grasslands are the image and main identity of inner Mongolia, the traditions and the future are shaped within them. The grasslands are an infinite space where nature and life interweave. Grasslands are soft, wavy, rounded, textured, colourful, natural, brown, green, but amongst everything infinite.

Our building grows from the soil of the inner Mongolian grasslands, into a curvy endless loop. The architecture dialogues with the city bringing back the nature to it. The building gets shaped by the winds and the water rounding its edges as if it always had been part of the soil of the inner Mongolian grasslands.

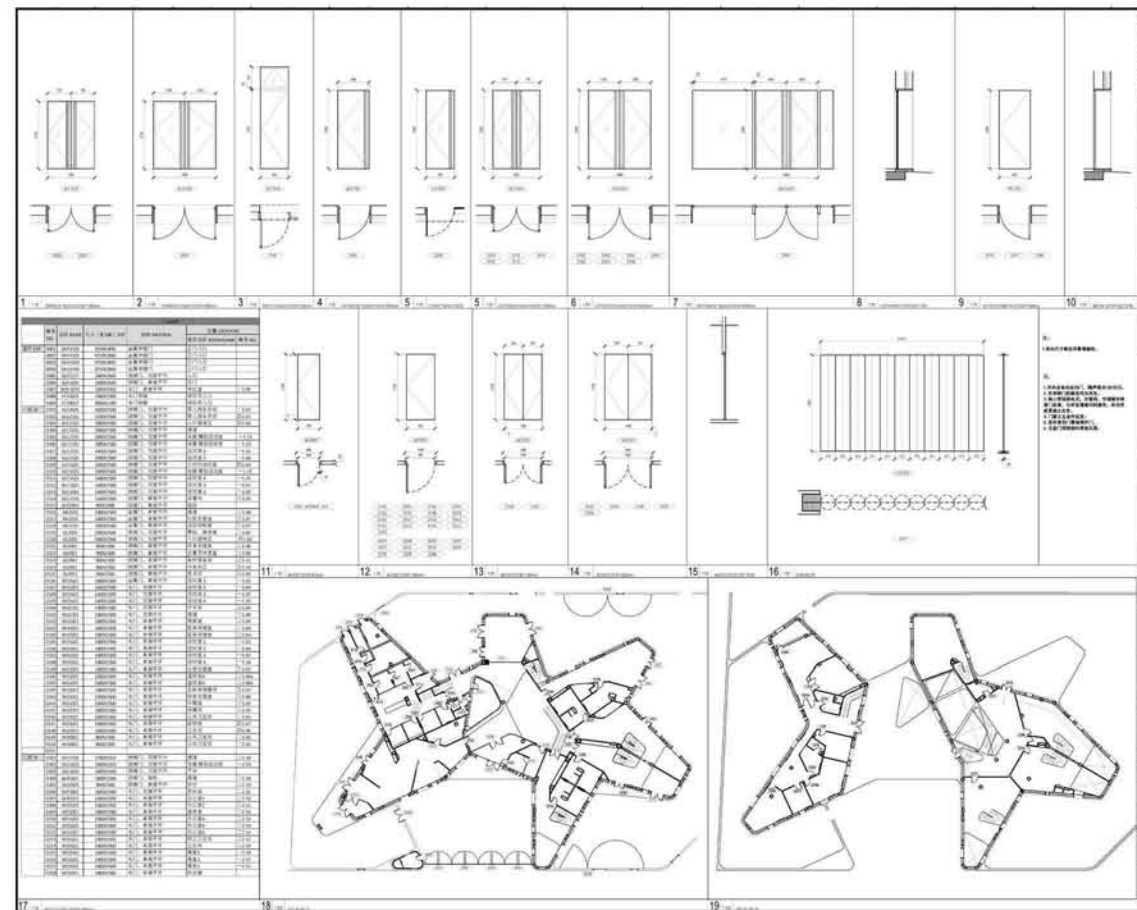
My tasks are as following:

Design

- site visiting
- precedent day care visiting / research
- architectural drawing set template
- draft site master plan
- most window / door schedule
- partial floor / wall detail schedule
- code research
- design related text translation
- playground equipment research

Management

- client / LDI contact
- draft agreement translation
- meeting interpreter
- FF&E company research



door schedule

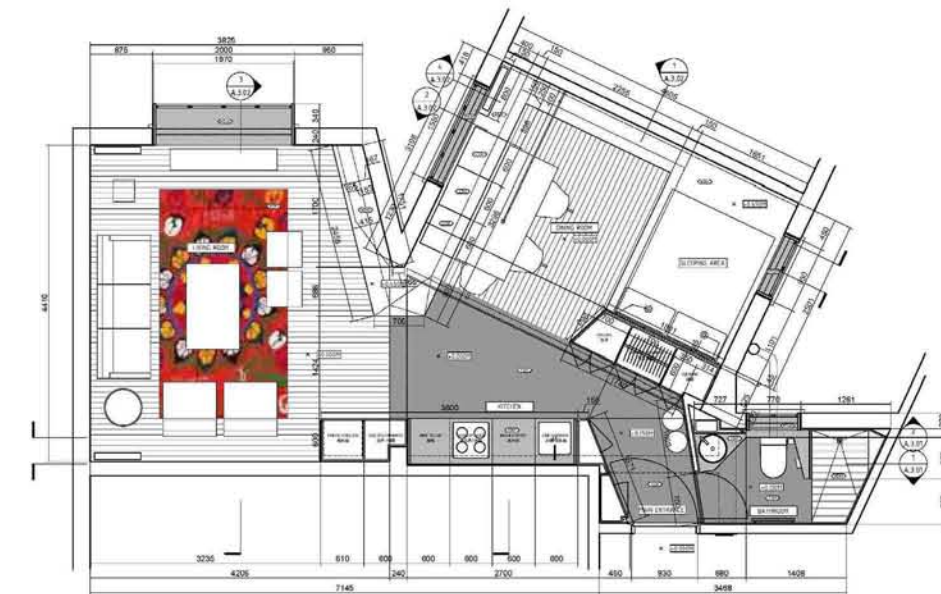
06

Henghan Apartment

///byn studio internship



Living room rendering



Floor plan

AREA	PROVIDER	PRODUCT	PRODUCT MFG	UNIT PRICE (RMB)	UNIT AMOUNT	TOTAL PRICE (RMB)
BATHROOM APPLIANCES & FEATURES	WOODGRABER	Grid floor	#0100000	4,200.00	1	4,200.00
		Over head	#0100000	4,200.00	1	4,200.00
		Wall panel	#0100000	274.00	1	274.00
		Down head set	#0100000	1,167.00	1	1,167.00
KITCHEN APPLIANCES & FEATURES		Cupboard panel	#0100000	3,124.00	1	3,124.00
		Wash wall panel	#0100000	160.00	1	160.00
		Cabinet installed accessories	#0100000	493.00	1	493.00
		Wash wall panel	#0100000	110.00	1	110.00
LIGHTING		Wash wall panel	#0100000	402.00	1	402.00
		Wash wall panel	#0100000	402.00	1	402.00
		Wash wall panel	#0100000	2,420.00	1	2,420.00
		Wash wall panel	#0100000	2,720.00	1	2,720.00
RADIATORS		Wash wall panel	#0100000	1,200.00	1	1,200.00
		Wash wall panel	#0100000	1,200.00	1	1,200.00
TOTAL					150,000.00	
MANAGEMENT					10,000.00	
TOTAL					160,000.00	

FF&E chart section

07

DongFang Hair Salon

///byn studio internship



Working space rendering



Working space photo



Working space photo

Projects

academic
2013 fall - 2014 spring
professor Hilary BRYON
thesis - macro / micro

2013 spring visiting Program
Huazhong University of Science and Technology
professor LIU Xiaohu
wuhan local apartment

2012 spring - 2011 fall
professor Robert HOLTON
roanoke bus terminal
bus stop collage
htm/am culture center
portable dynamic enclosure
temporary permanent

2011 spring - 2010 fall
professor Clive VORSTER
tanzania research shelter
chair "lightness"
college avenue renovation
light photography and object
chapel by lake

2010 summer i - 2010 summer ii
professor Kathryn ALBRIGHT
professor Jim BASSETT
professor Andrew BALSTER
cubic interactive
clifhaus + landscape creation
natural and artificial pattern
color wave

professional
may 2012 - aug 2012
///byn architecture studio
Bittor SANCHEZ-MONASTERIO
Nicolas SALTO DEL GIORGIO
bgo headquarter shanghai
hengshan apartment shanghai
dongfang hair salon shanghai
dongqing kindergarten ordos
xiyuan kindergarten ordos
jingshan kindergarten ordos
museum/unviel ordos

sep 2012 - dec 2012
team director LIU Xiaohu
wenhua school of architecture

Works at Rafael Viñoly Architects

Engaging in all levels of large scale building designs and renovation
Main softwares: Revit, Rhino, Illustrator, Photoshop

Ritz-Carlton Hotel, NYC - Concept, SD

Fasano Hotel, NYC - SD, DD

Football Training and Health Research Center for University of Maryland, MD - Competition, 2nd price

Spruce Street Residential Tower - Philadelphia, PA - SD, DD, CD



Ritz-Carlton Hotel



Research Center for UMD



Spruce Street Residential