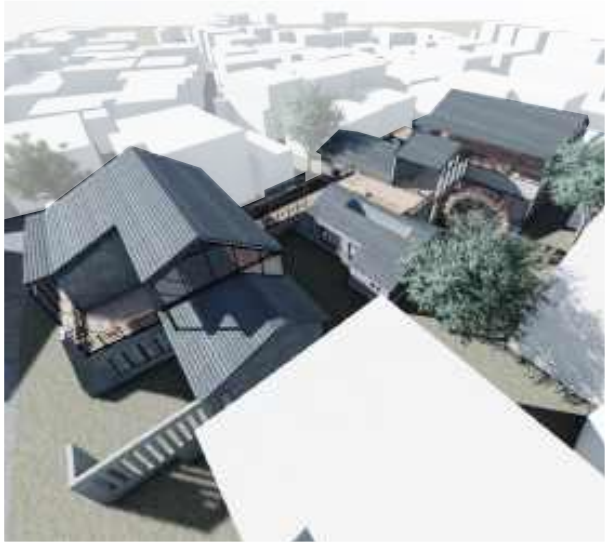


PORTFOLIO 2024

YUE LIANG

Architectural Designer
LEED GA | M.ARCH in USC

Yue Liang

yliang00@usc.edu
+1 (213) 4148102
Date of Borth: 1996-08-16
Los Angeles, CA

EDUCATION BACKGROUND

08/2020-05/2022
University of Southern California (USC)
School: Architecture Major: Architecture
Degree: Master of Architecture

09/2015-09/2020
Hebei University of Technology (HEBUT)
School: Architecture & Art Design Major: Architecture
Degree: Bachelor of Architecture GPA: 3.63/4.0

RESEARCH EXPERIENCE

01/2019
Published design work on gooood.cn
Tianjin, China

04-06/2018
Analysis and Research on Small-sized Pre-fabricated Components' Module Design, Building and Related Questions Based on BIM Technology—Undergraduate Innovation and Entrepreneurship Program

04/2017-04/2018
Actual Sate Investigation and Updated Strategy Research on Traditional Cultural Resource-Based Villages in Hebei Province—Undergraduate Innovation and Entrepreneurship Program

07/2017
Building Survey in Daliangjiang Village, Jingxing County, Hebei Province

PAPER EXPERIENCE

06/2019
Research on the Investigation and Update Strategy of Traditional Cultural Villages in Hebei Province ——A Case of Daliangjiang Village in Jingxing County, published in Urbanism and Architecture magazine, ISSN 1673-0232, CN 23-1528/TU, 2019,16(6)

PROFESSIONAL EXPERIENCE

03/2023 - NOW
Design Professional 1, O'Donnell Dannwolf & Partners Architects

07/2022 - 01/2023
Assistant Architect, Clive WIlkinson Architects

03/2022
Intern, NBBJ Los Angeles

05-08/2021
Summer Trainee, AEDAS Beijing
01/2020
Intern, AECOM Beijing

EXTRACURRICULAR ACTIVITIES

07-08/2018
Member of "Moving Gallery" Workshop, an exhibit cooperated between FEI Gallery and Mapping Workshop

09/2015-Present
Member of BIM Architecture Association, HEBUT

HONORS AND AWARD

06/2019
the Third Prize of the 9th National Green Architecture Design Competition

09/2018
the Second Prize, the 8th China National College Student "Innovation, Originality and Entrepreneurship" Challenge, Hebei University of Technology

01/2018
Finalist, the Best Popularity Award, Architects in Mission Competition 2017 (AIM) design competition for the south wuxiang mountain in Nanjing Lishui

09/2016-09/2017
Two times' Third Scholarship, HEBUT

09/2018-09/2019
Two times' Second Scholarship, HEBUT

PROFESSIONAL SOFTWARE MASTERY

Photoshop, Illustrator, InDesign, AutoCAD, SketchUp, Rhino, Revit, Enscape, Vray, Lumion

PASSIONS

Drawing, Photography, Reading

Website

Portfolio: https://yliang00.myportfolio.com/work

Linkedin: https://www.linkedin.com/in/yue-liang-875a05208/

Licenses and Certifications

LEED Green Associate #0000000098518739

CONTENTS

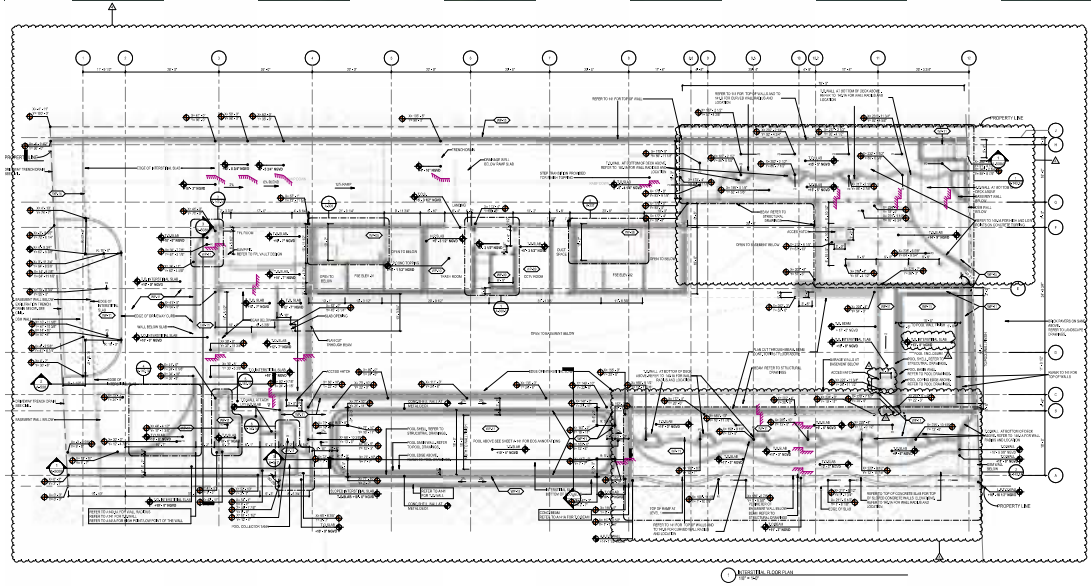
Selected Works 2020-2024

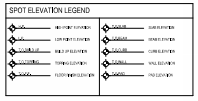
01

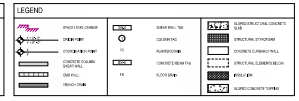
HILLCREST SURFSIDE

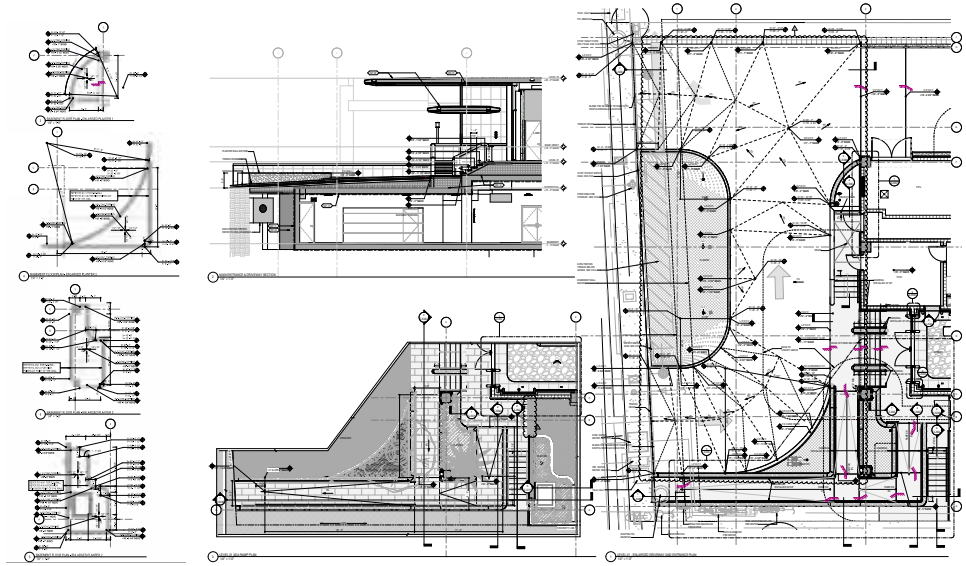
Date: 2024
Title: Design Professional 1
Firm: ODP Architects
Location: Miami, FL
Supervisor: Carlos Echeverria, Niyati Panchal
Phase: CD, CA

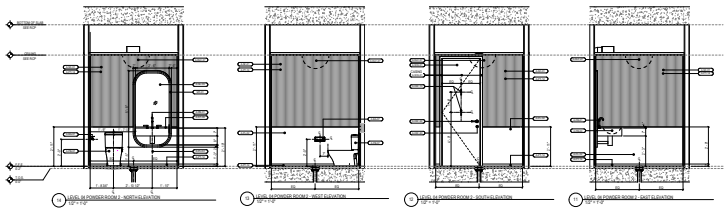
Responsibilities: RCPs, Edge of Slab Drawings

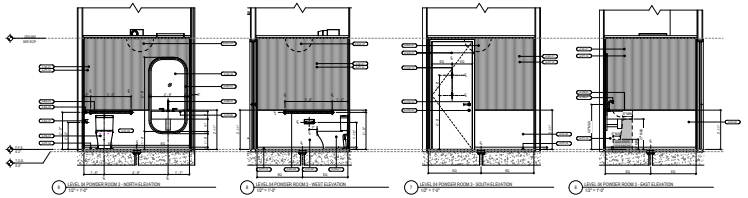


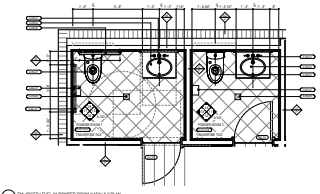


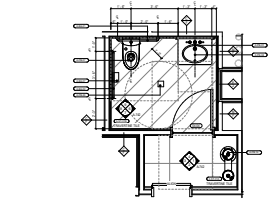


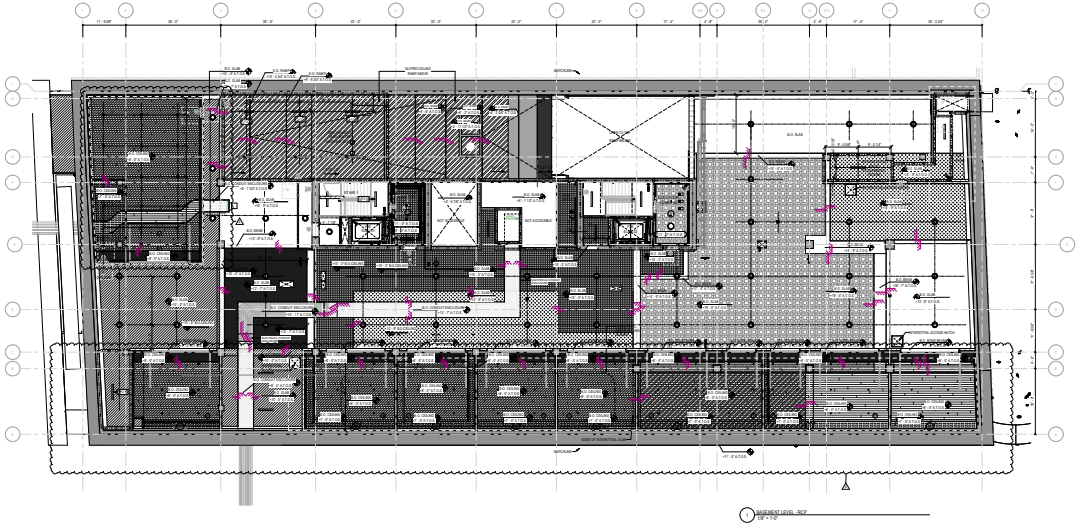


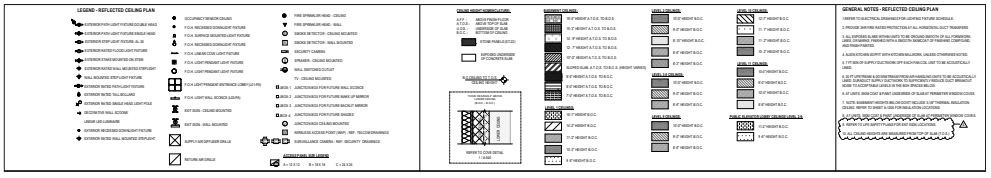


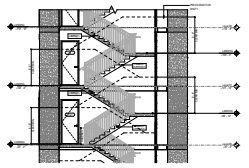


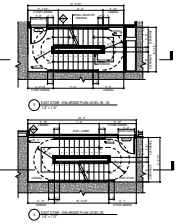


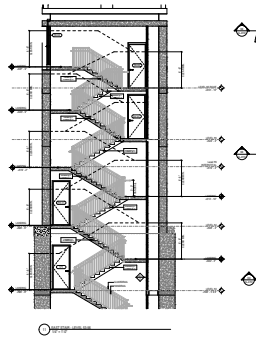


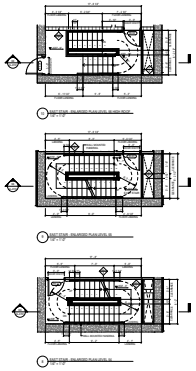


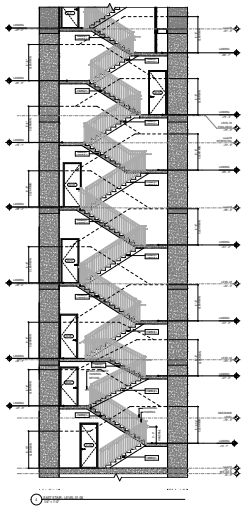


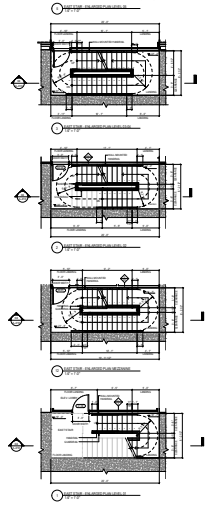












02

NEW POLICE HEADQUARTERS

Date: 2023-2024
Title: Design Professional 1
Firm: ODP Architects
Location: Hollywood, FL
Supervisor: Carlos Echeverria, Marbella Raposo
Phase: CD

Responsibilities: RCPs, Sections, Elevations, Enlarged Floor Plans, Bathroom Code Compliance, Door/Window Schedule, Door/Window Detail, ACM detail, Glazing Detail, Lighting Installation Detail, Coordination with MEP

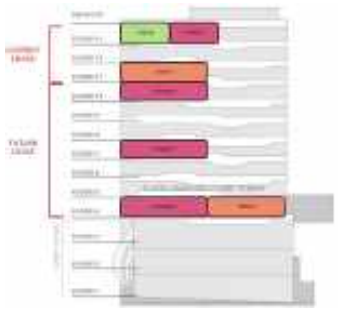
This project is NDA protected.

03

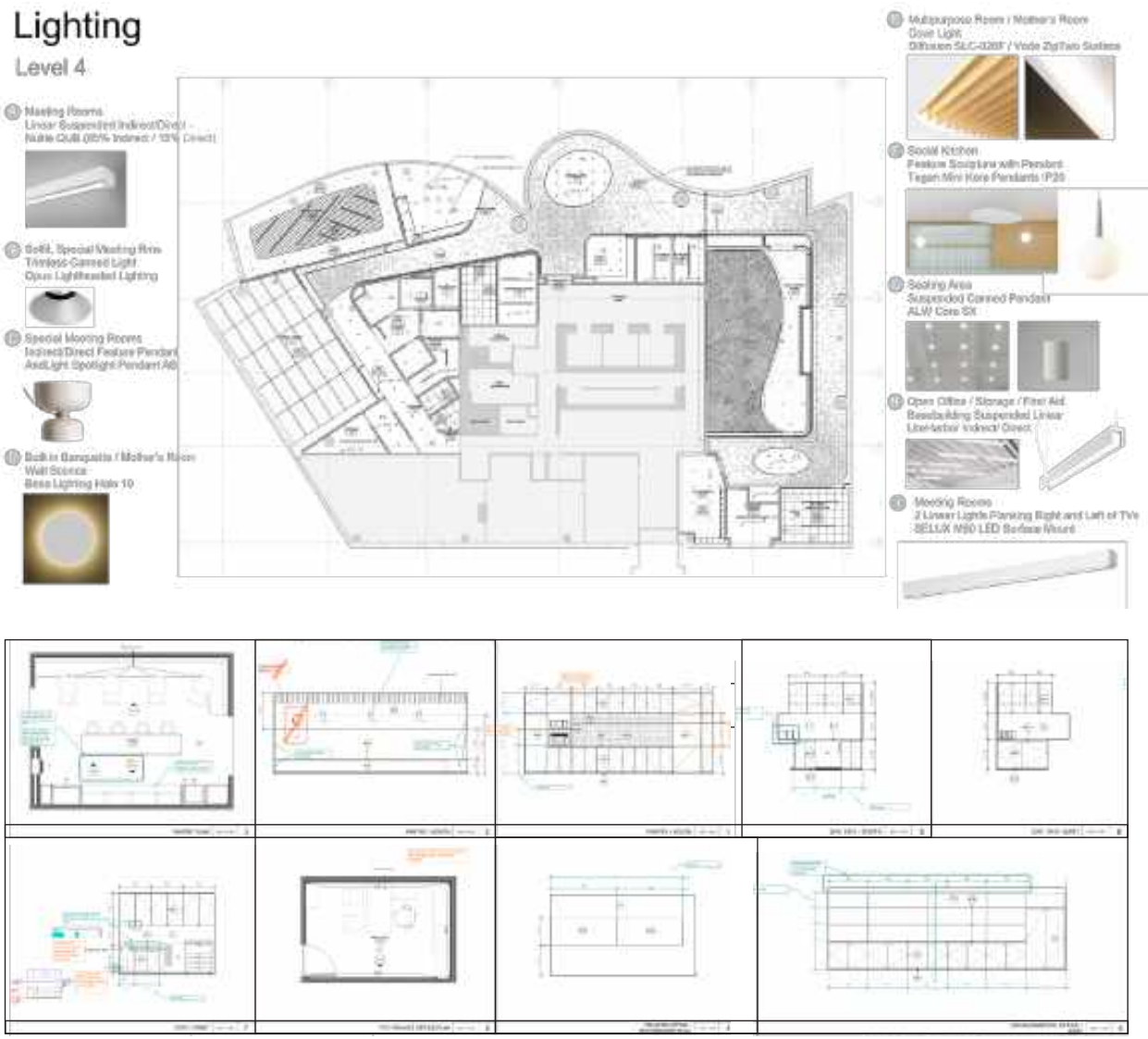
LULULEMON BURRARD

Date: 2022
Title: Assistant Architect
Firm: CWA Architects
Location: Burrard, Vancouver, Canada
Program: Workplace
Area: 90,000 sf
Supervisor: Clive Wilkinson, Caroline Morris
Phase: SD, DD, CD

Responsibilities: Conceptual design, Test fit plans, Revit modeling, Revit drawing sheet set, Renderings, Presentation packages, Lighting Design, Finish selection, Furniture Design, Detail design



CWa World Energy Phase 2 Interior Design



CWa Lululemon Burrard Office Building Interior Design, Vancouver









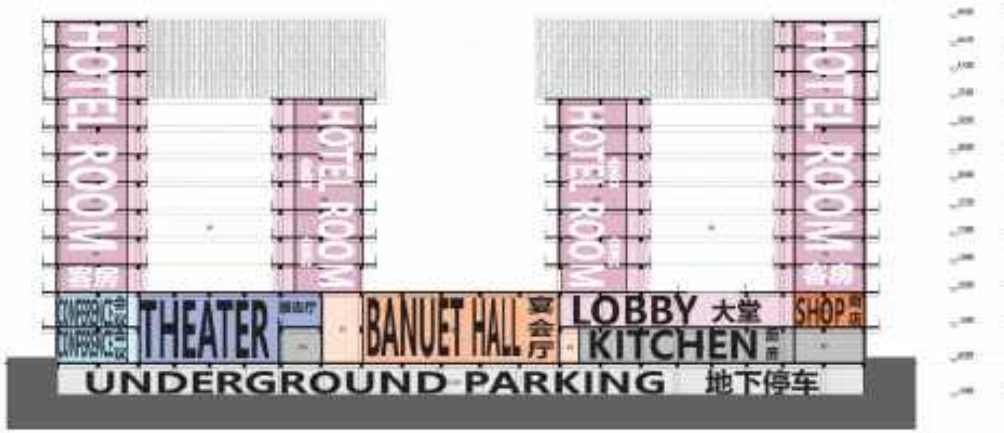

CWa Lululemon Burrard / West 3rd Office Building Interior Design

04

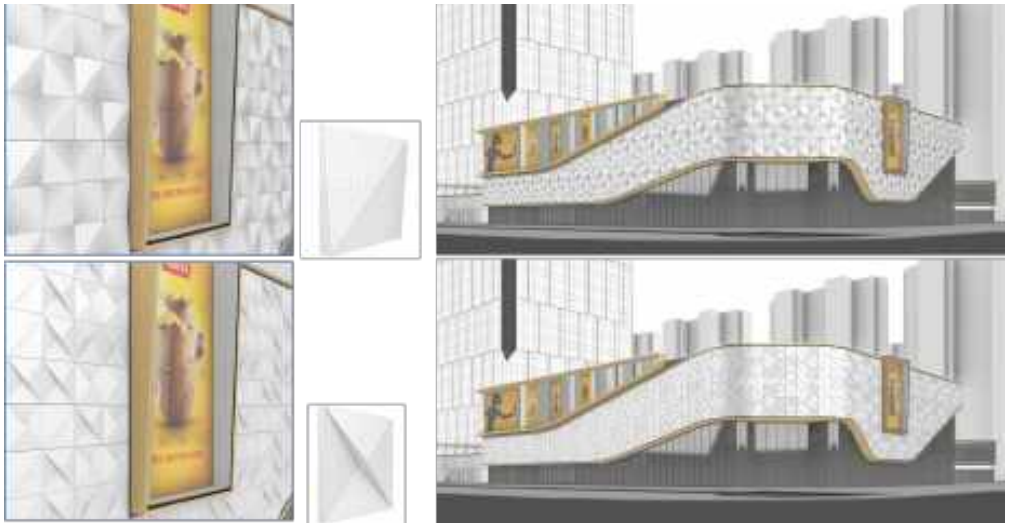
LVDU YUTONG FINANCIAL BUILDING

Date: 2021
Title: Intern
Firm: AEDAS
Location: Beijing, China
Supervisor: Zihuan Lin
Phase: SD, DD

Responsibilities: Conceptual design, Rhino modeling, Rendering, Drawing sheet set, Presentation packages

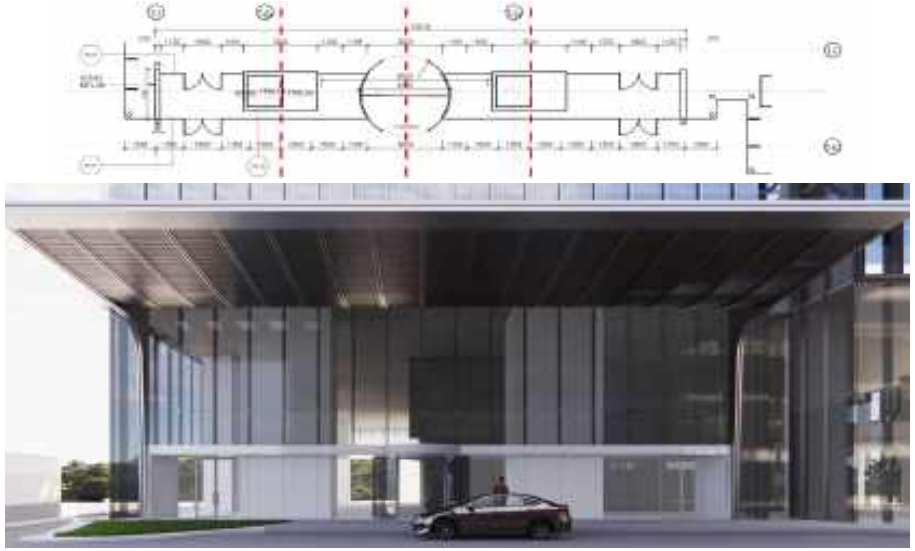


AEDAS Zhuhai Beijing Normal University-Hongkong Baptist University United International College Phase 2 Campus Planning Concept Design

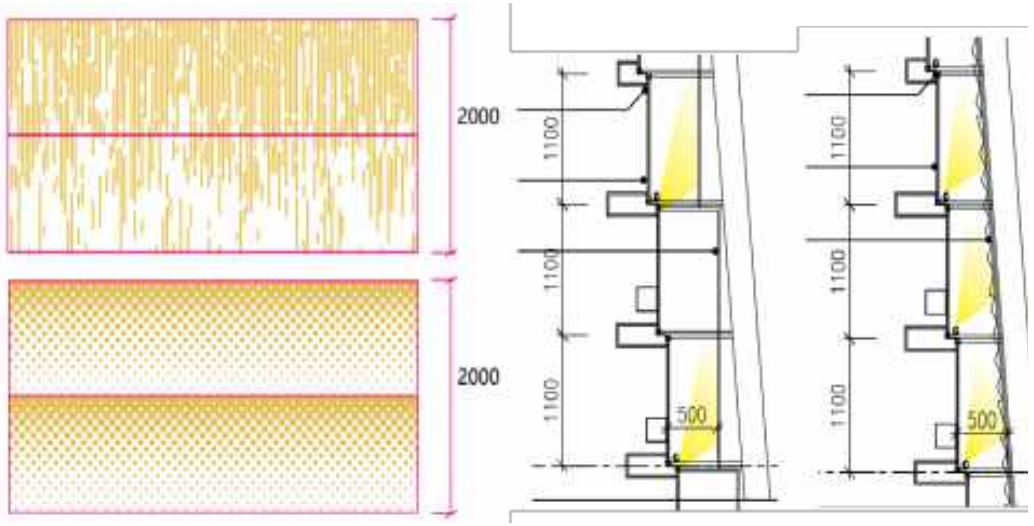


AEDAS Changshu Jinmao Financial Building Project

AEDAS Zhengzhou LVDU Yutong Financial Building Project



AEDAS F-13 Plot Changsha Super High Office Tower Facade Design



AEDAS Zhengzhou LVDU Yutong Financial Building Project——Facade Pattern Design

05

The Game

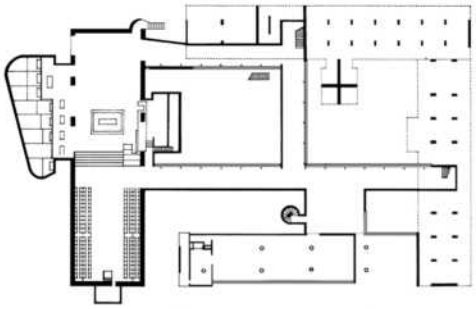
USC International House Design

Location: The USC Village, LA, USA
Adivsor: Wesley Jones
Date: Aug. 2020 - Dec. 2020

The logic of parkour game is "The misuse of architectural elements", this project attempts to find a kind of coordination in the international housing environment and the lively parkour activities. The pursuit of new forms of living experience has become a challenge.

The project is designed to kindle students interest in parkour game and encourage them to be more active. By designing the space according to the logic and circulation characteristics of parkour, international students can experience a more relaxed and interesting living.

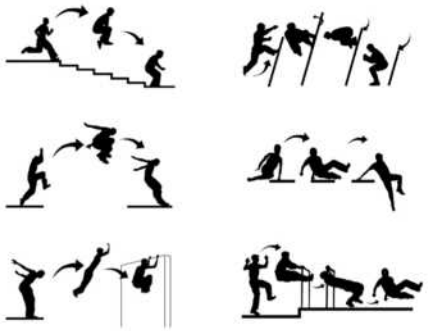
Therefore, this project utilizes corridors, roof terraces and different shapes of public space as a connection between discrete buildings, in order to create a 3-dimensional circulation.



Le Corbusier, La Tourette, 1961

PRECEDENT PLAN
Scale: 1/16"=2'-0"

CONCEPT PLAN DIAGRAM



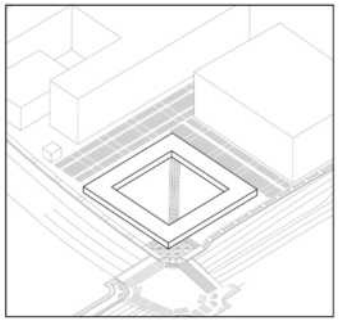
GAME PLAN
Scale: 1"=1'-0"

1. The system will highlight environmental objects that are beneficial to the game, such as pipes, slopes, and accessible doors that turn red as you move.

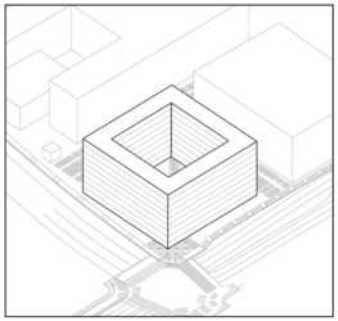
2. Stairs, corridors and rooftops will be used in a wrong way.

3. Use vertical circulation to if there are no roads.

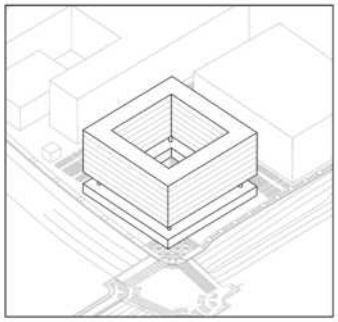
RULES OF THE GAME



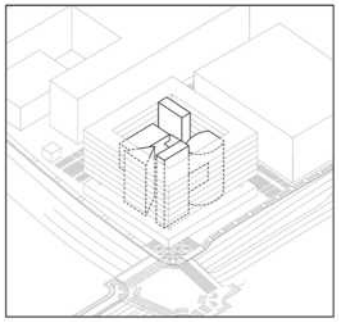
COURTYARD TYPOLOGY
Extracted the shape of the precedent.



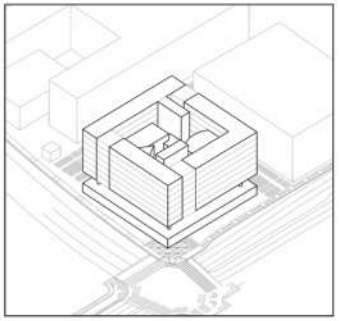
SCALE
Nine stories.



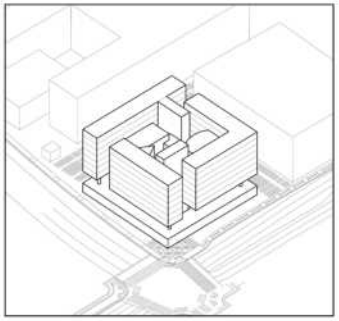
SITE RELATIONSHIPS
Lift and slice building mass to preserve unobstructed views.



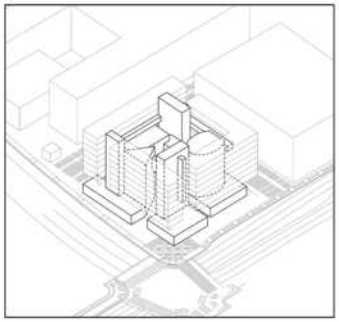
PUBLIC SPACE
Lift and slice building mass to preserve unobstructed views.



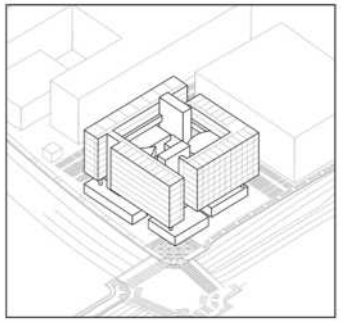
ENVIRONMENTAL CONCERNS
Carve the mass to bring wind and sunshine into the courtyard.



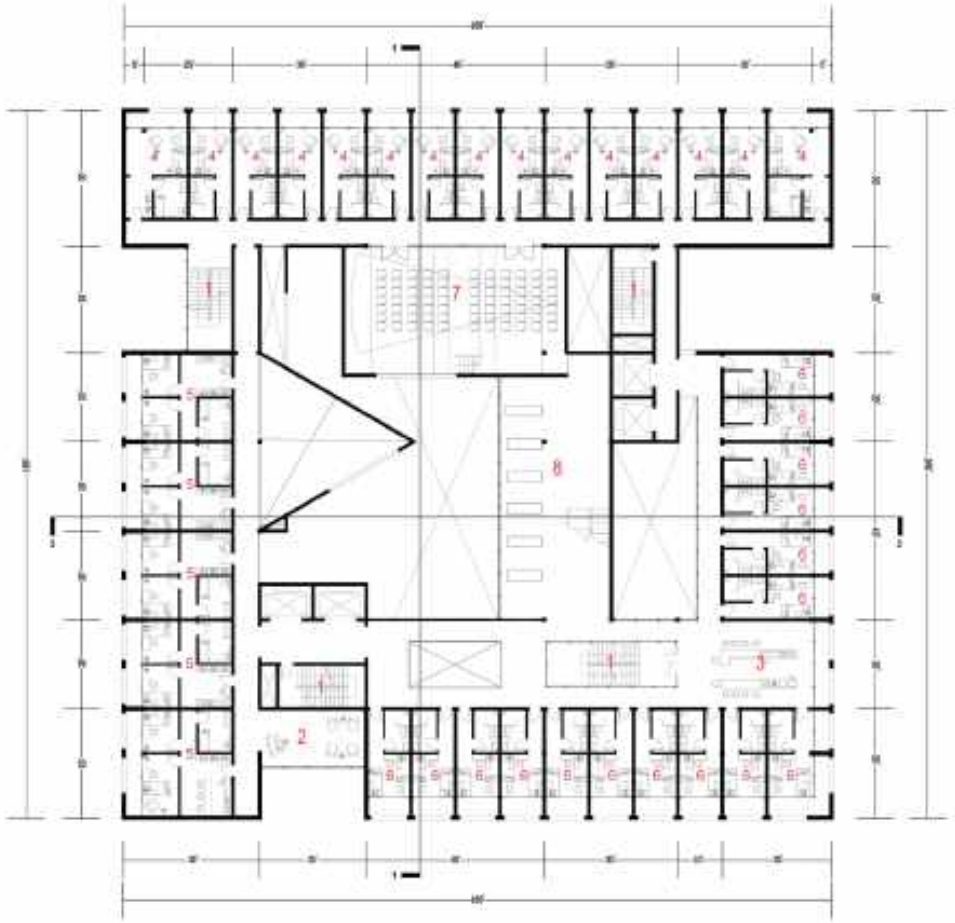
ENVIRONMENTAL CONCERNS
Carve the mass to preserve unobstructed views from the street to the courtyard.



PROGRAM ORGANIZATION
The base and upper floors are both in pinwheel shape, four towers organize the traffic between the base and upper floors.



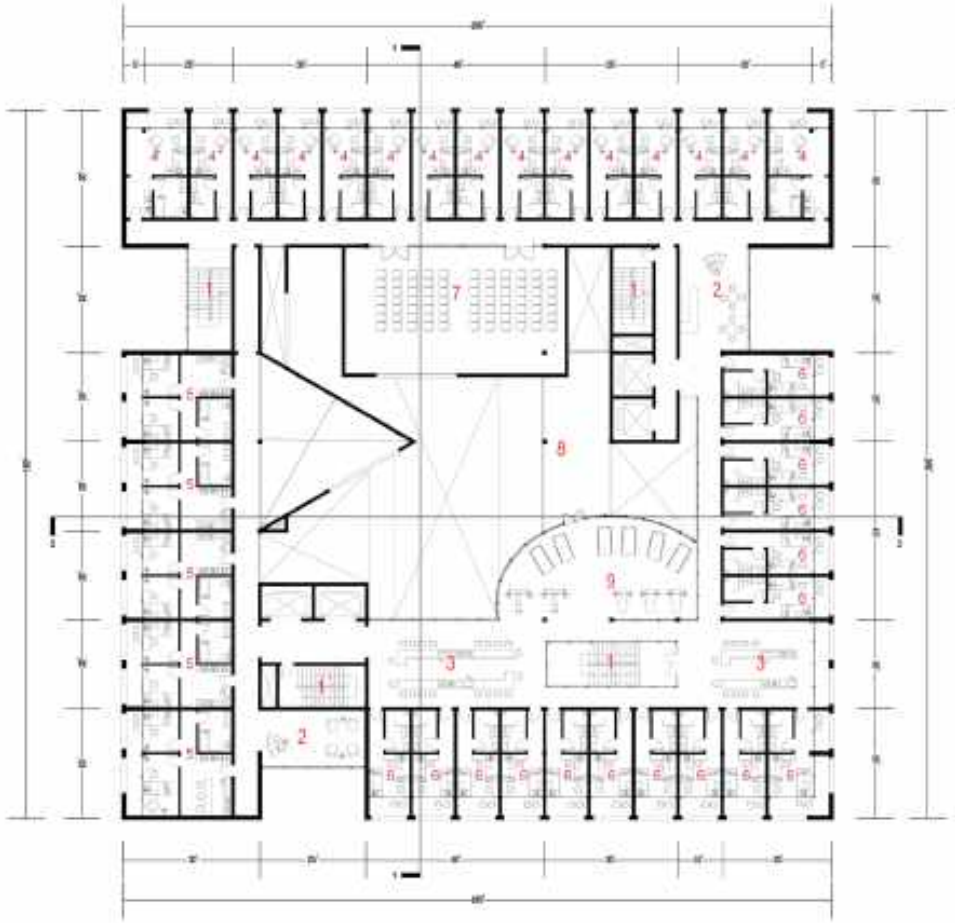
FINAL MASHUP
Combining scale, environmental concerns, site relationships, and open space transformations.



0FT 10FT 30FT 40FT 80FT

FOURTH FLOOR PLAN

1 Stairwell
2 Communal Living Room
3 Communal Kitchen
4 Unit a: Single Occupant
5 Unit b: Double Occupant
6 Unit c: Double Occupant
7 Lecture Hall
8 Multi-function Hall

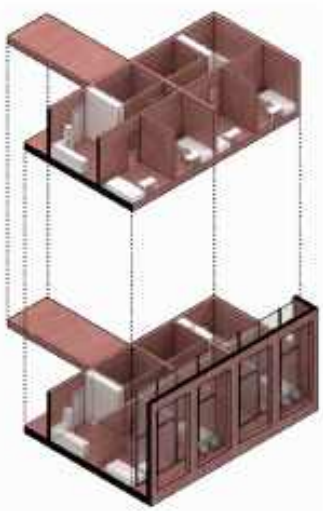


0FT 10FT 30FT 40FT 80FT

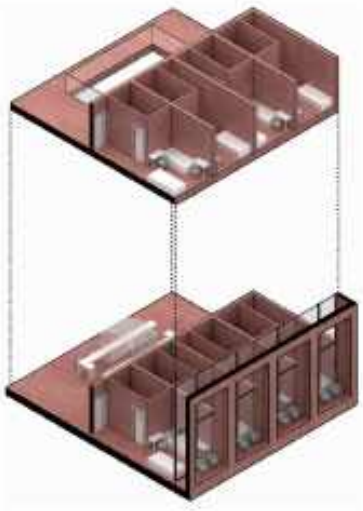
SIXTH FLOOR PLAN

1 Stairwell
2 Communal Living Room
3 Communal Kitchen
4 Unit a: Single Occupant
5 Unit b: Double Occupant
6 Unit c: Double Occupant
7 Lecture Hall
8 Roof Terrace
9 Gym

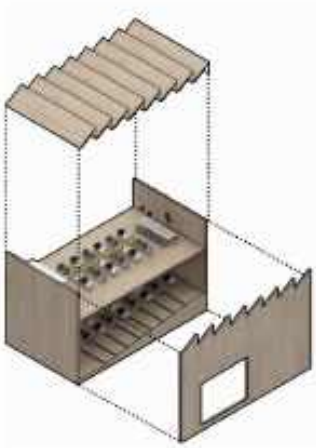
Unit a: Micro-apartment
single occupant



Unit b: Apartment
double occupant

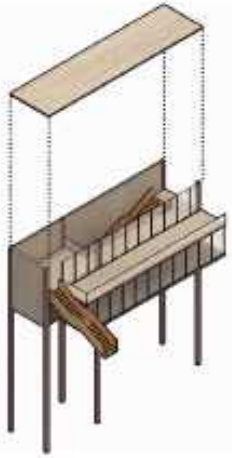


Unit c: Dorm room
double occupant

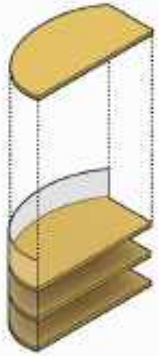


Lecture Hall

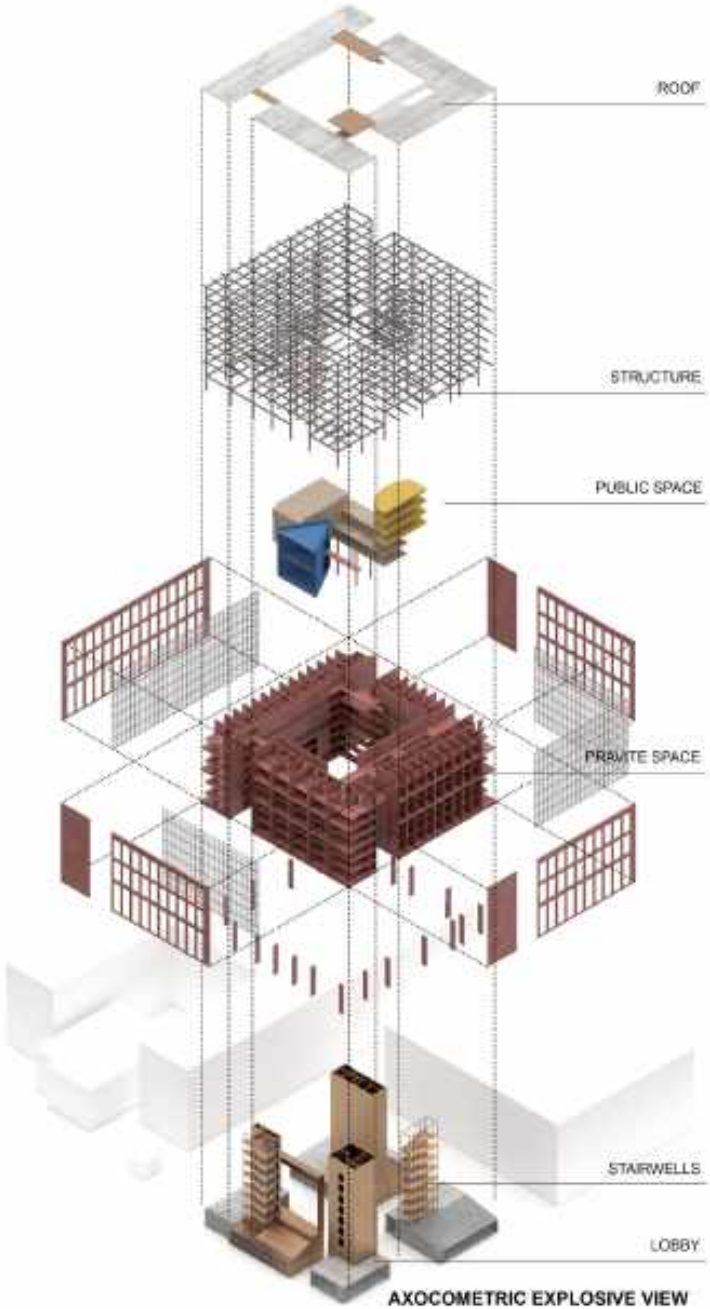
Communal Living Room



Multi-function Hall



Gym



AXOCOMETRIC EXPLOSIVE VIEW


97.0ft
87.0ft
77.0ft
67.0ft
57.0ft
47.0ft
37.0ft
27.0ft
97.0ft
87.0ft
77.0ft
67.0ft
57.0ft
47.0ft
37.0ft
27.0ft

1-1 SECTION

EXTERIOR BIRDS EYE VIEW


COMMUNAL LIVING ROOM


MULTI-FUNCTION HALL


ROOF TERRACE


CORRIDOR

06

Activate Rooftop

Med-Hive Design

Location: The USC Village, LA, USA
Adivsor: Patrick Tighe
Date: Jan. 2021 - May. 2021

The scheme of our project is envisioned as a stack of cubes on a grid. By stepping up from the street level and reaching a peak.neight of just 75 feet , the building wil integrate gently into the scale of its surroundings, which includes a low density and small scale dimensions of the neighboring residential area. This building can be characterized by its compatibility with the district and architecture affordability.

The ground plane is lifted to maximize the landscape. The rooftop serves as public open gardens and amphitheaters. The exhibition gallery is located on the floating volumn above the ground, with transparent glazing on the north and south sides in order to provide visual access of the surrounding city. The gallery allows for flexible venues that can be used for a variety of functions. The floating transparent volume gives the building an iconic presence.

SITE LOCATION - CRENSHAW DISTRICT, L.A.

Site area - 76,734.7 sf

The site is located at the intersection of Metro's under-construction North to South 8.5-mile light rail Crenshaw/LAX Transit Project and the in-service east to west Expo Line.

ABOUT CRENSHAW NEIGHBOURHOOD

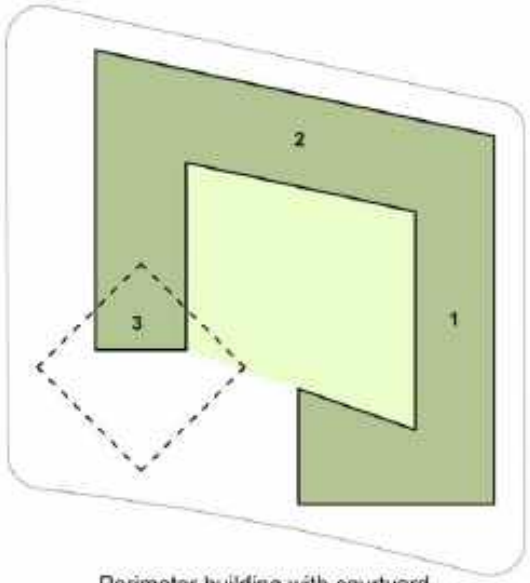
There are approximately 7,100 people currently living in 2,700 households located within a half-mile of the station area. These households reside in a mix of owner-occupied homes (47% of total households) and rentals (53% of households). The rate of owner-occupied homes is substantially higher in the station area than the percentage in the City of Los Angeles as a whole (38% of owneroccupied units), pointing to the stability of the immediate surrounding area.

A low-scale generally single-family home neighborhood lies to the west of Site A with two-story apartments surrounded by generously landscaped front and side yard setbacks immediately across Victoria Avenue adjacent to Site A.

A combination of light industrial uses along the Expo Line corridor surrounded by single- and multi-family residential uses lie to the east of Site B. Immediately to the south along Crenshaw Boulevard are sidewalk-oriented retail and office buildings as well as a large development site, the approximate 6.5-acre District Square project. While specific plans and the program for this project are still being reformulated, the developer of this project has most recently proposed large retail uses along with residential rental units.

THE IMMEDIATE CONTEXT - LAND USE

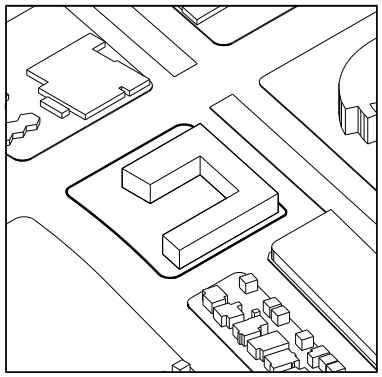
A low-scale generally single-family home neighborhood lies to the west of Site A. A combination of light industrial uses along the Expo Line corridor surrounded by single- and multi-family residential uses lie to the east of Site B. Immediately to the south along Crenshaw Boulevard are sidewalk-oriented retail and office buildings as well as a large development site, the approximate 6.5-acre District Square project.



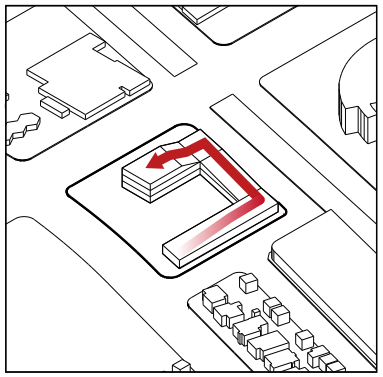
Perimeter building with courtyard

Ascending form

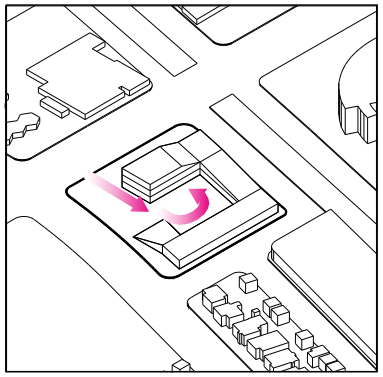
All programs are placed along the **periphery** of the site and the open space is utilized as a **courtyard**.
A **habitable green roof** is created to **maximize open space** available to the community;
thus attempting to create a **pedestrian-friendly design**.



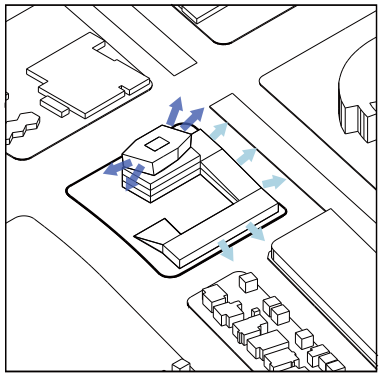
CREATING PRIVACY
The U shape typology address the challenge of creating privacy on open field.



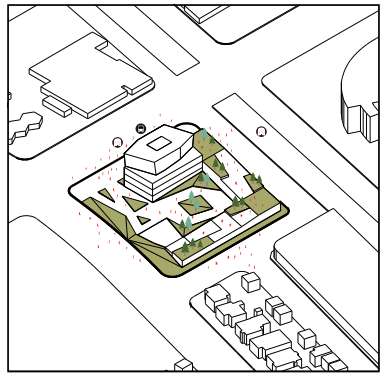
FOLLOWING TYPOGRAPHY
Let the roof step up from the street level and reach the top of the building, creating a pedestrian friendly design.



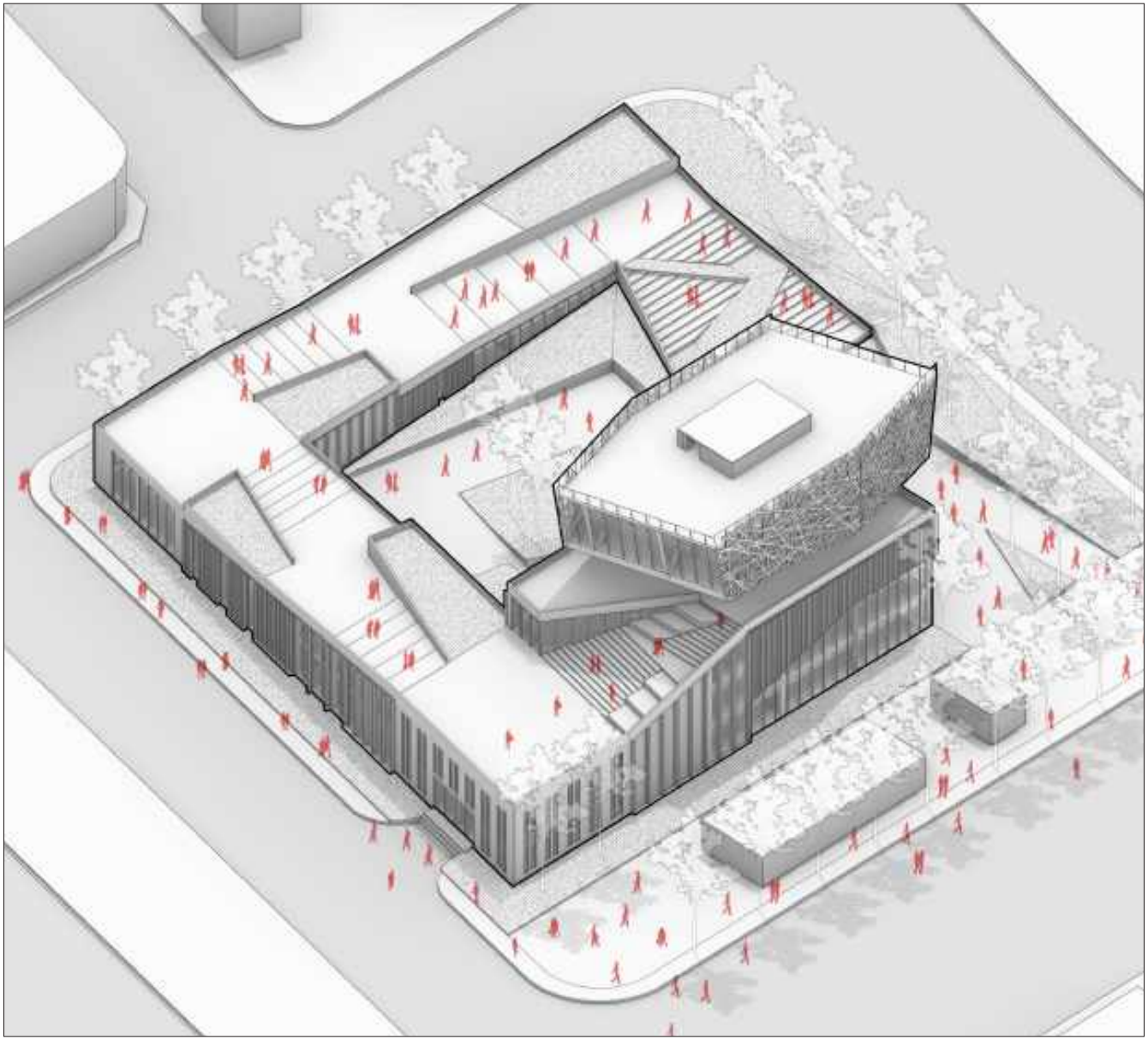
RELATIONSHIP WITH METRO STATION
Carve the building to show the welcome gesture for people coming from the metro station.

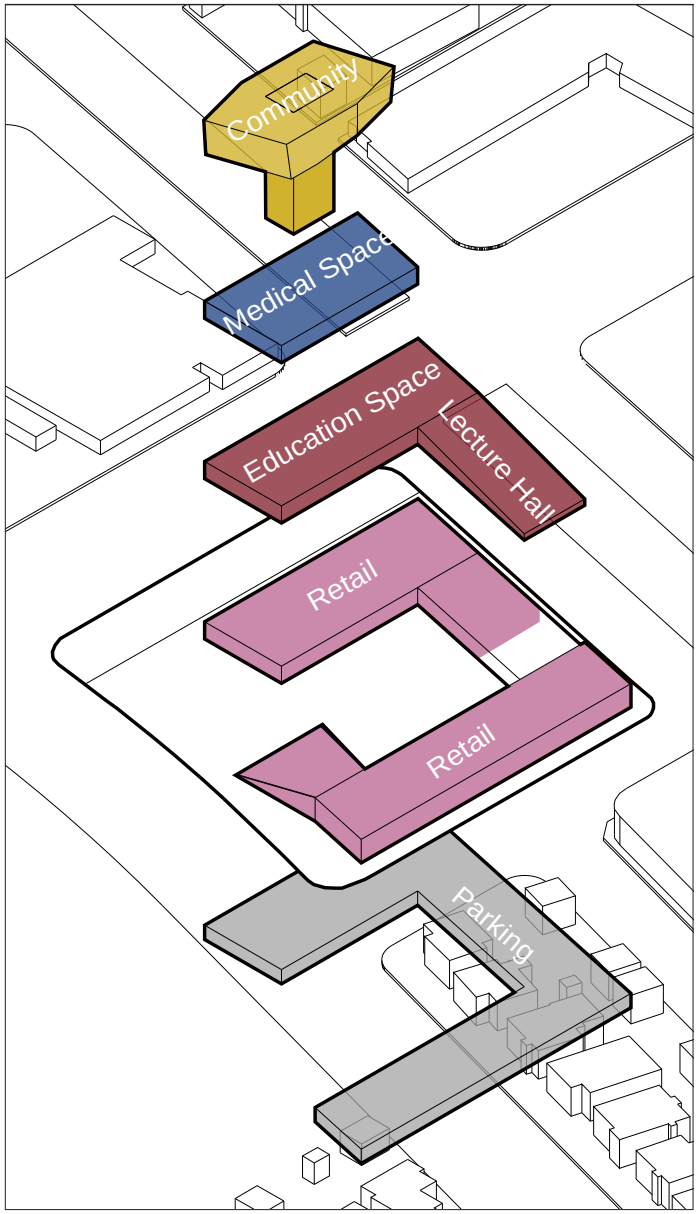


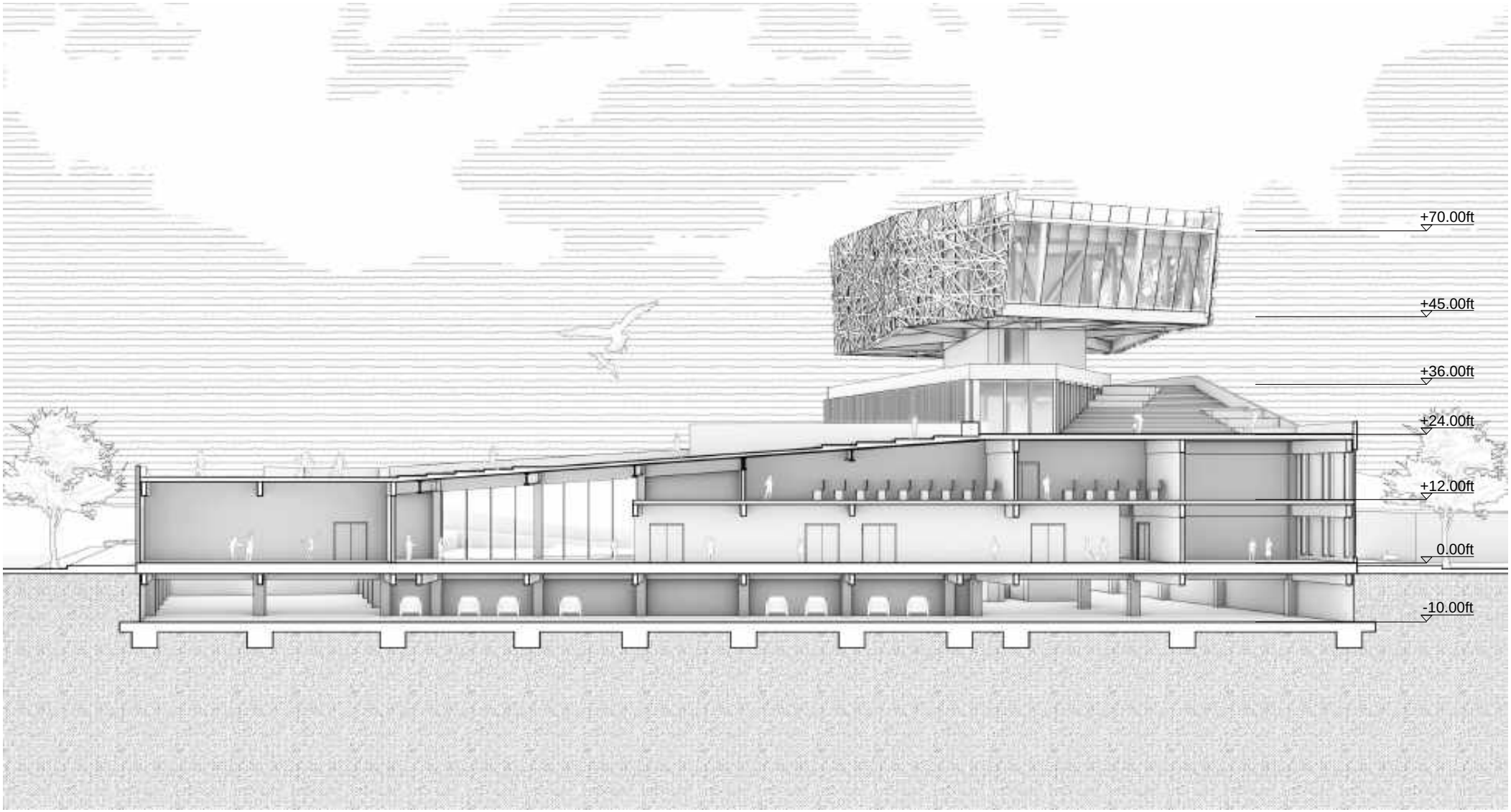
OPTIMIZING VIEW
Providing optimized view towards the street and open landscape from all rooms.

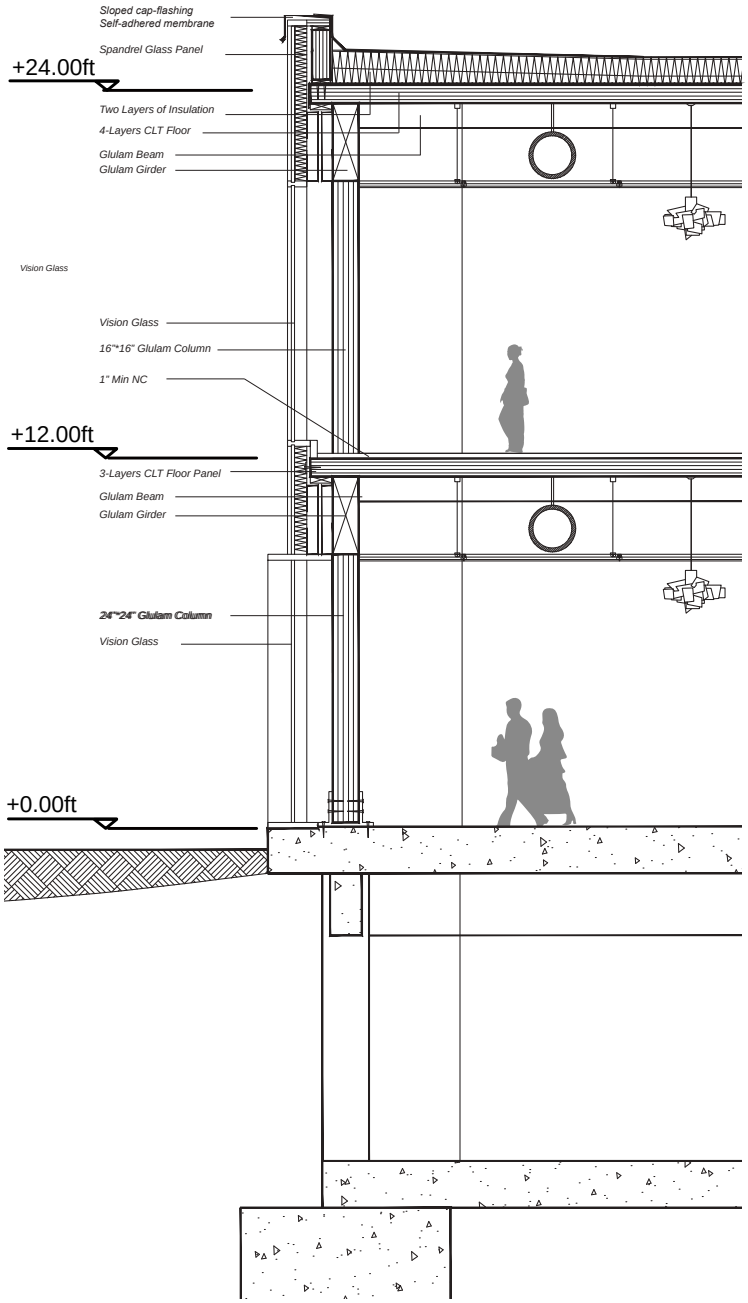


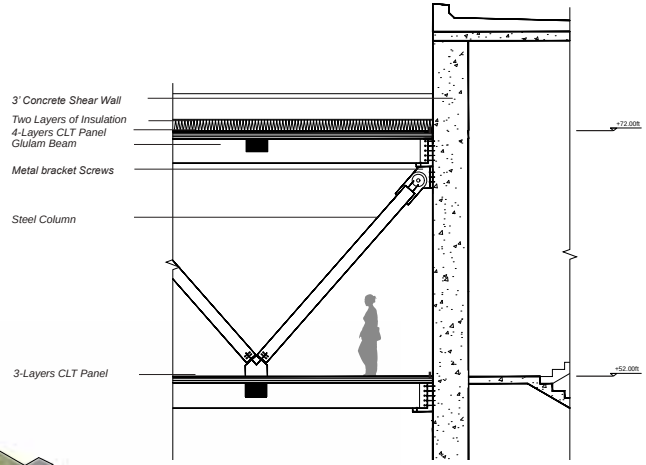
LANDSCAPE
Create a multi-level landscape., roof garden and the green courtyard in the heart of the building.

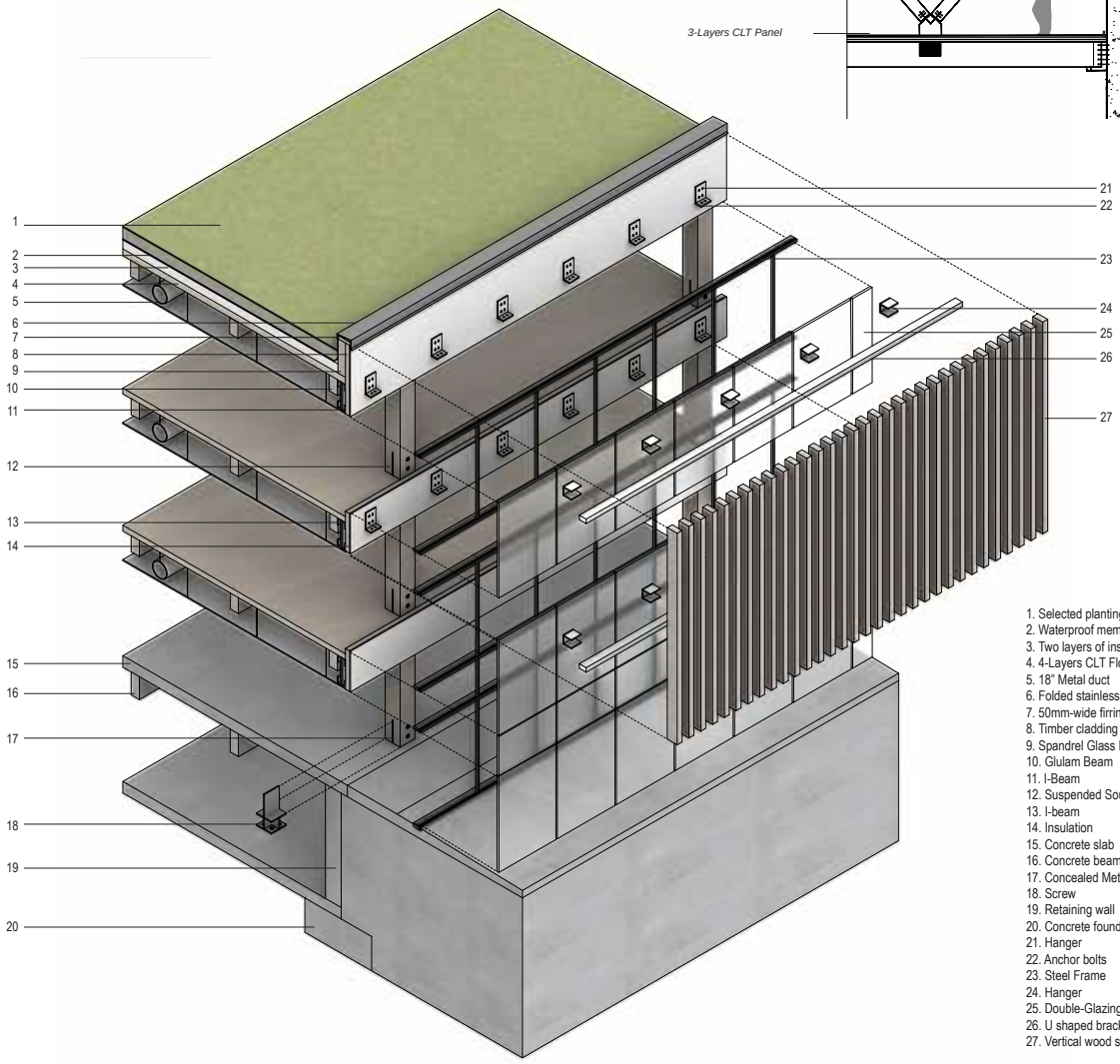



Community
Medical Space
Education Space
Lecture Hall
Retail
Retail
Parking


+70.00ft
+45.00ft
+36.00ft
+24.00ft
+12.00ft
0.00ft
-10.00ft







1. Selected planting on Bauder Total Green Roof system
2. Waterproof membrane
3. Two layers of insulation
4. 4-Layers CLT Floor Panel
5. 18" Metal duct
6. Folded stainless steel capping
7. 50mm-wide firrings on 50mm studs
8. Timber cladding
9. Spandrel Glass Panel or Non-combustible Cladding
10. Glulam Beam
11. I-Beam
12. Suspended SoundBreak XP Gypsum Board
13. I-beam
14. Insulation
15. Concrete slab
16. Concrete beam
17. Concealed Metal Plate
18. Screw
19. Retaining wall
20. Concrete foundation
21. Hanger
22. Anchor bolts
23. Steel Frame
24. Hanger
25. Double-Glazing glass
26. U shaped brackets
27. Vertical wood slat facade

07

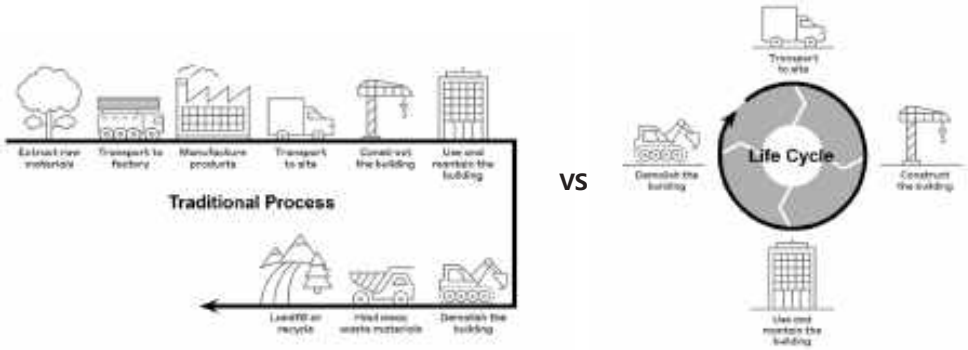
Curvature from Orthogonal

Thesis Project: Critical Computation

Location: Dongtan Bird Nature Reserve, Shanghai
Advisor: Lisa Little
Date: Jan. 2022- May. 2022
Individual Work

'Discreteness' is a notion that comes from the sciences, referring to what is individual and separate. It is the opposite of the continuous. Discreteness is not only the redefinition of units by science and technology, but also the redefinition of construction supply chain economically in the changing world. In the future, the building tends to be Discrete, that is, the building will exist as aggregation of sustainable modular. The construction process relies on more detailed modules, high level of mechanized prefabrication and assembly. Therefore, architecture is more of a high-resolution assemblage of discrete objects, rather than an organic whole.

Discrete building systems have primarily been used to realize orthogonal form. This thesis investigates how computation and component design can be deployed to achieve curvilinear form. By comparing components, materials, and system aggregation in three precedents, the thesis strives to redefine the curve through the aggregation of a set of components designed and tested specifically for non-orthogonal building elements. These elements are then combined into a prototype for a specific site and program.

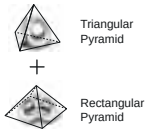
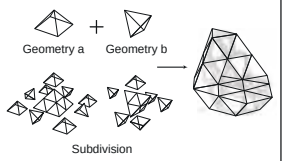
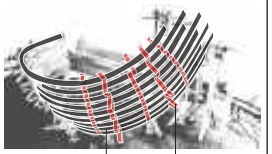
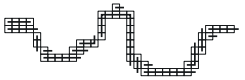
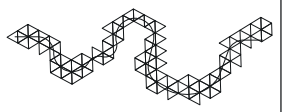


HOW CAN COMPUTATION BE DEPLOYED
TO CONTROL NON-ORTHOGONAL FORM
FOR DISCRETE BUILDING STRATEGIES?

Most examples of discrete projects are inherently orthogonal.

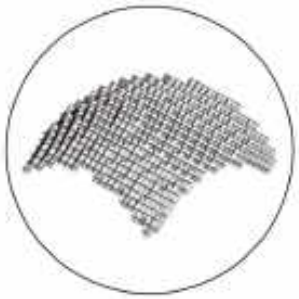
HOW CAN COMPUTATION BE DEPLOYED
TO CONTROL NON-ORTHOGONAL FORM
FOR DISCRETE BUILDING STRATEGIES?

RESEARCH- PRECEDENT ANALYSIS

Precedent	 STEAMPUNK Architect: Gilles Retsin Architecture Type: Museum	 ROPOLOGY Architect: Soomeen Hahm Design Type: Furniture	 SUNCHEON ART PLATFORM Architect: Soomeen Hahm Design Type: Pavilion
Material	Assembled Timber	Plastic Rope	Steam Bent Hardwood
Type of Unit	Volumetric Unit	Volumetric Unit	Planar Unit
Unit		 Triangular Pyramid + Rectangular Pyramid	
Aggregation		 Geometry a + Geometry b, Subdivision	 Steam Bent Hardwood, Steel Clamp
Discreteness			
Fabrication	Automation	Automation	Human Labor Fabrication

METHODOLOGY

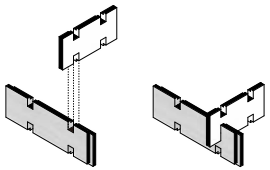
Voxelization
of Spatial Units

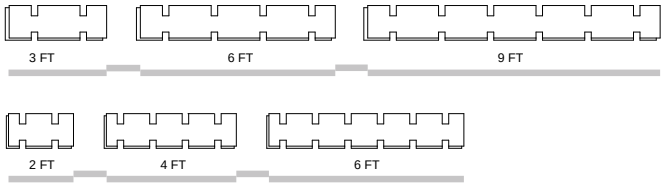


6 Basic Prototypes

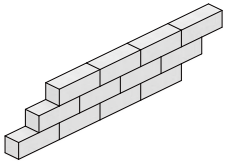
Proposal

MODULARITY

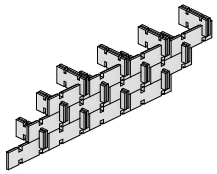




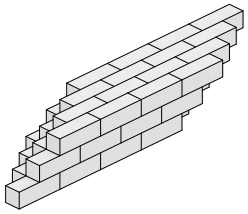
SPATIAL UNITS



Grid



Aggregation



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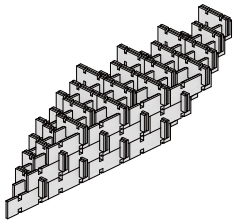
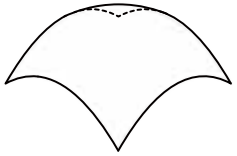
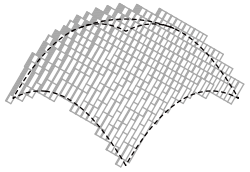


Aggregation

PROTOTYPE



Vault



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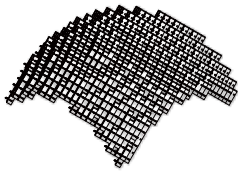
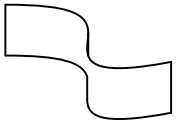
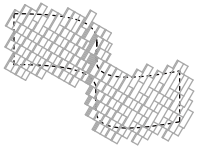


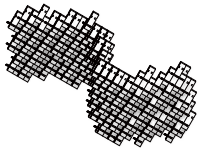
Geometry Aggregation



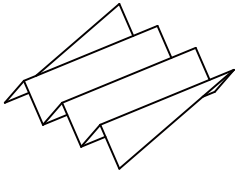
Wall



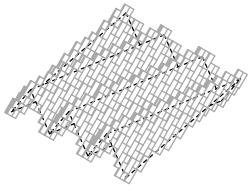
Grid



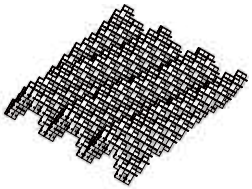
Geometry Aggregation



Folded Plate



Grid



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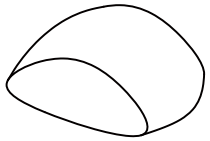
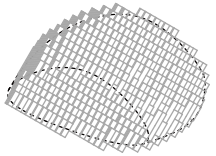
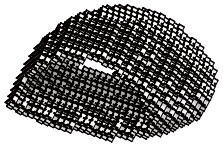


Shell



Grid



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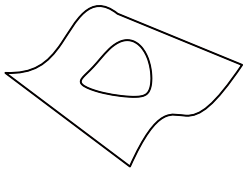
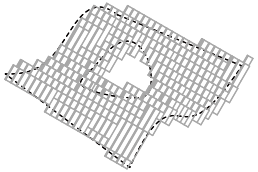
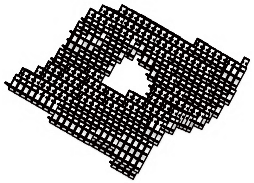


Opening



Grid



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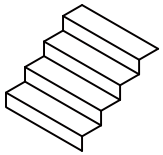
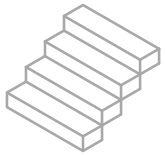


Stairs



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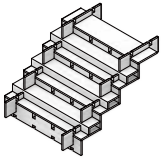
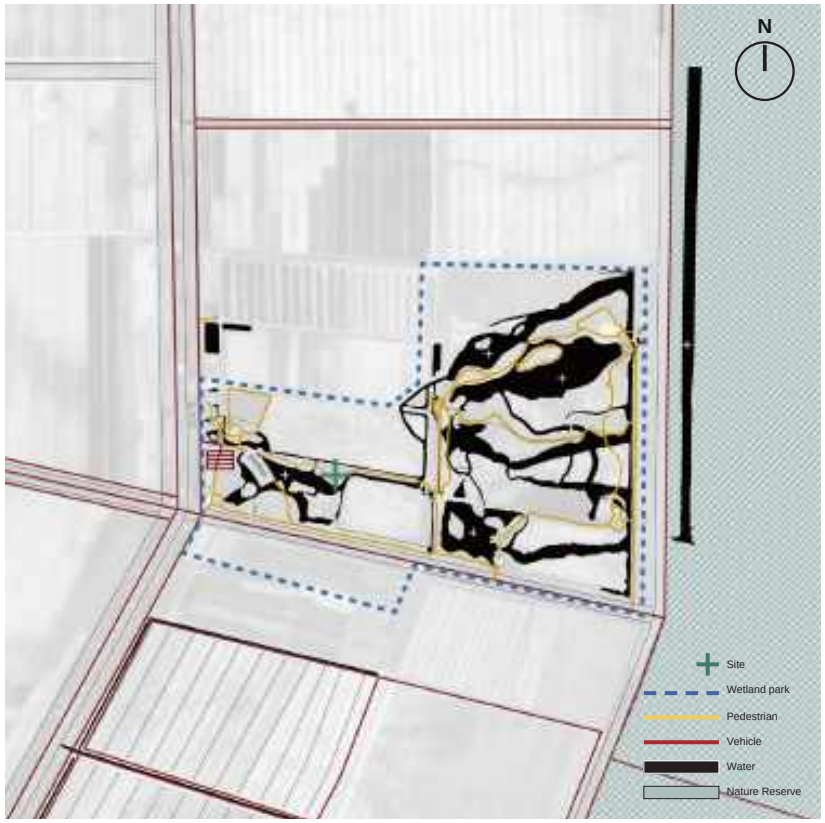
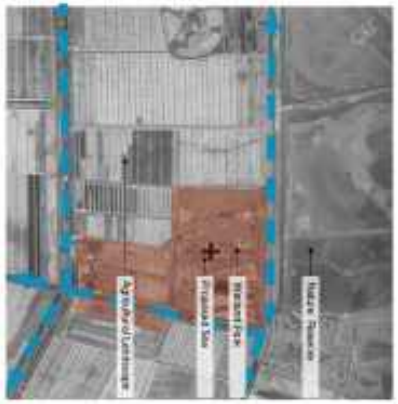
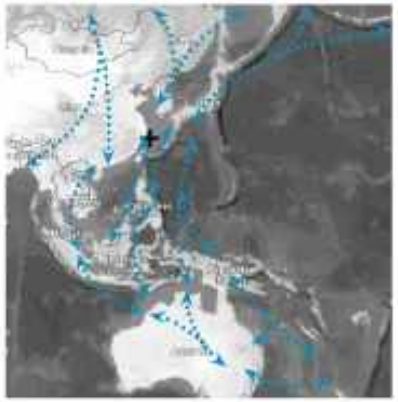


Geometry Aggregation

SITE AND PROGRAM

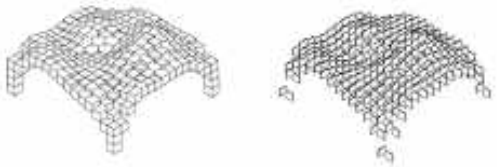




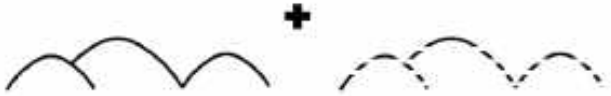


SITE: Dongtan Bird Nature Reserve, Chongming Island, Shanghai, China
A bird observatory structure focusing on aquatic bird research, ecological exhibition and science education.

CONCEPT



RECYCLED WOOD



SELF SUPPORTED VAULT-SCAPE STRUCTURE

Public

EXHIBITION GALLERY

CAFE

CENTER SHOP

EDUCATION

LIBRARY

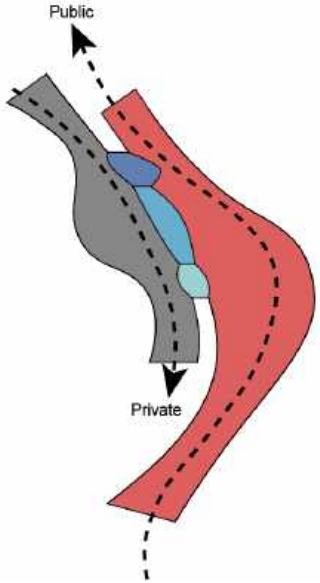
TUTORIAL ROOM

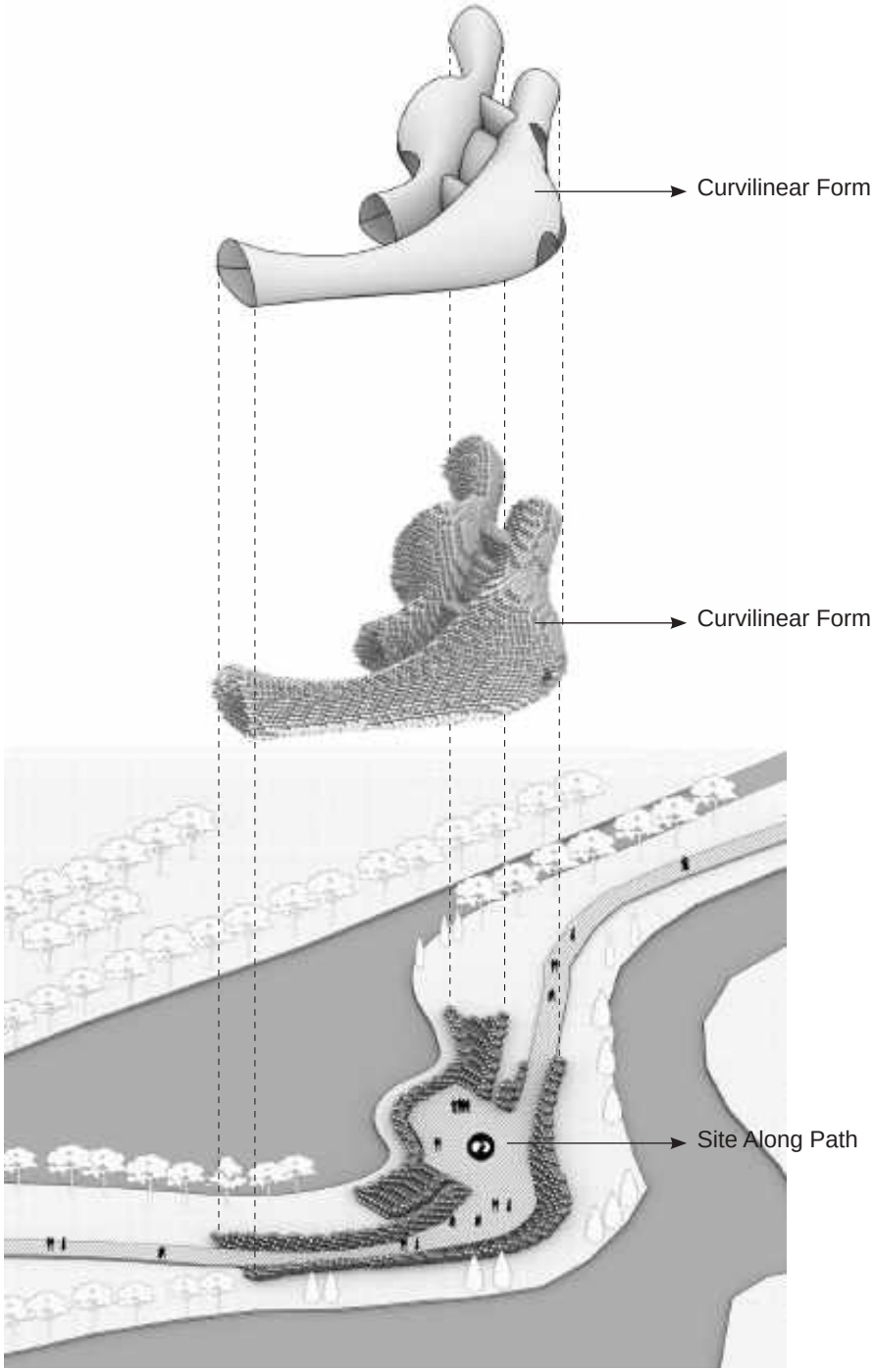
RESEARCH

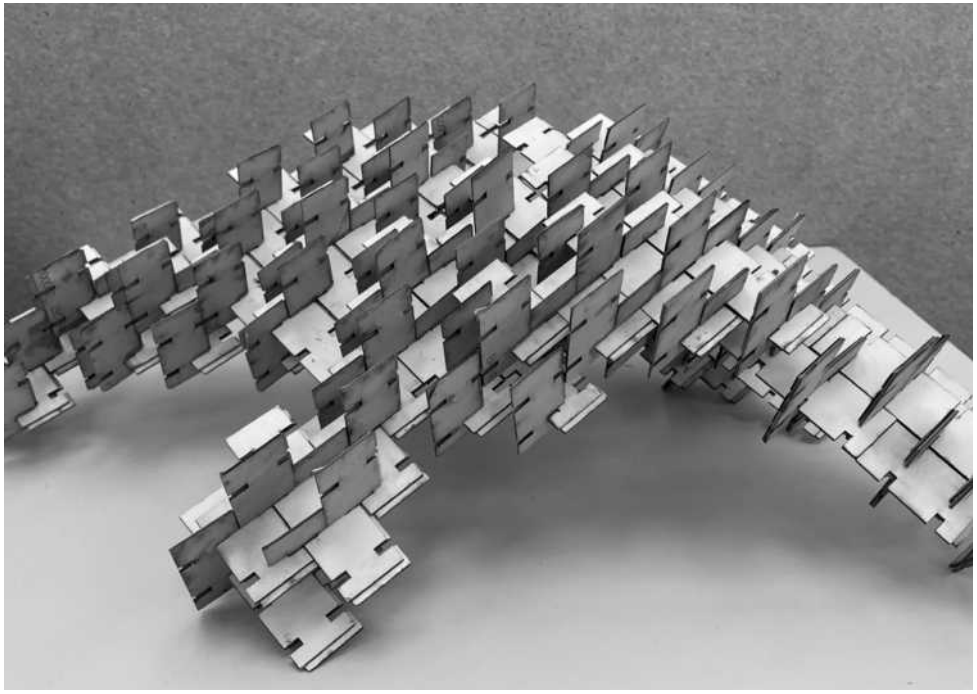
LAB

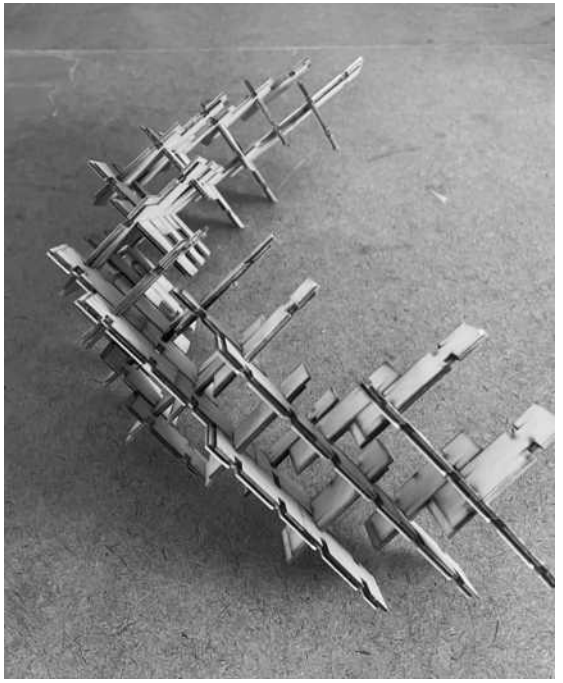
STAFF OFFICE

Private




Curvilinear Form
Curvilinear Form
Site Along Path





08

Continue Village Memory

Vacation Rentals Design in Lishui

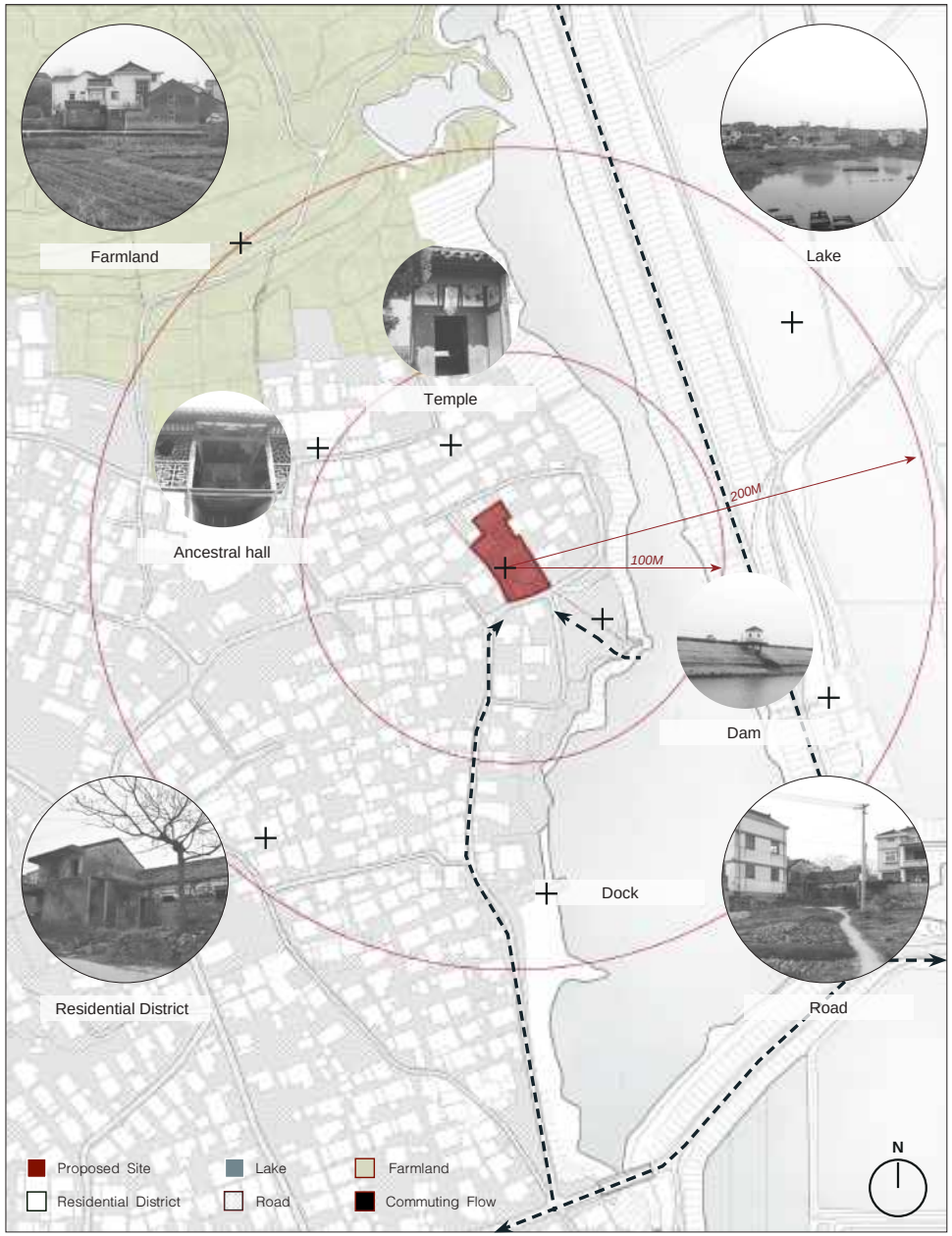
Location: Lishui, Nanjing, China
Adivsor: Xu Liang
Date: Sep. 2017- Jan. 2018

The site is located in a small fishing village at the foot of Wuxiang mountain in Lishui, Nanjing. Many old houses with local decorations in the village are idle and dilapidated, and modernism houses are newly built around the village, which destroys the characteristics of the original village houses. In recent years, the village has started to develop tourism with the help of the government. We hope to retain the simple features of the old village and attract tourists by transforming the abandoned houses into vacation rental houses.

Under the premise of not destroying the existing house, carrying out necessary maintenance on the structure and wall, we attempt to intervene in this place in a humble way and create new space vertically.

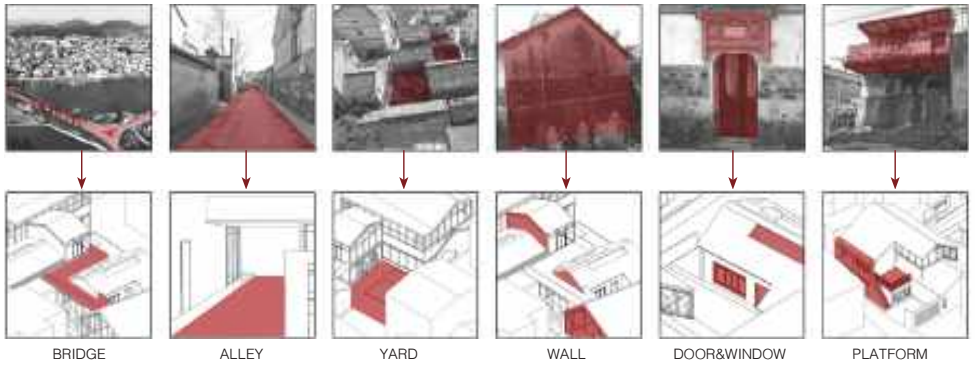
SITE CULTURE ANALYSIS

The site is located in a small fishing village at the foot of Wuxiang mountain in Lishui, Nanjing. The village has a history of hundreds of years.



SITE ELEMENT EXTRACTION

We extracted and preserved the traditional architectural elements of the village, and inherited the cultural context of the site.



We will reinforce and frame the original building with a new structural system, and then connect the adjacent buildings by different corridors. We will keep the original doors and windows as part of the new building. At the same time, the direction of the corridor points to the direction of the lake, which has a strong guidance.

The building and corridor naturally divide the site into three different courtyards, which can cooperate with the corridor to produce different use scenarios. The courtyards and corridors bring two levels of sightseeing experience, that is to return the vast lake view to the bottom of the eye. This project is the rebirth of the old building.

CONCEPT ANALYSIS

GROUND FLOOR PLAN

ROOF TERRACE

ACTIVITY ROOM

SECTION A-A

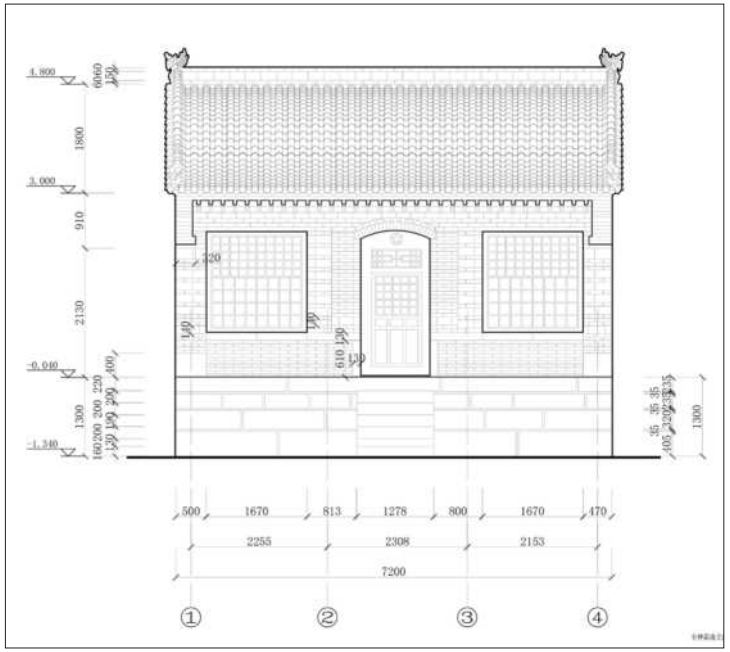
09

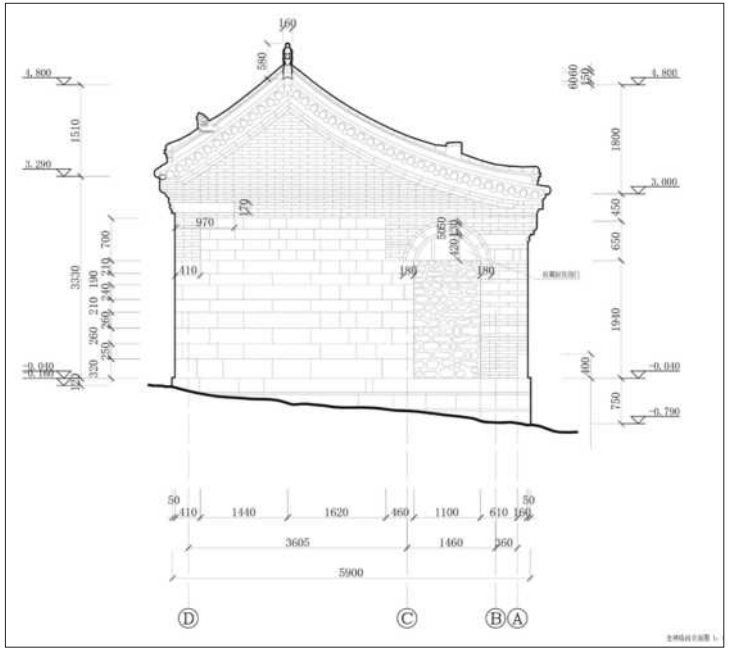
Other Works

Ancient Building Surveying and Other Paintings

Date: 2016- 2019
Individual Work

The training in painting since childhood has given me the edge in expressing precisely the space and structure in architecture study. the site. During my college life, I still kept the habit of painting. I like to express the world I live in with brushes and colors.

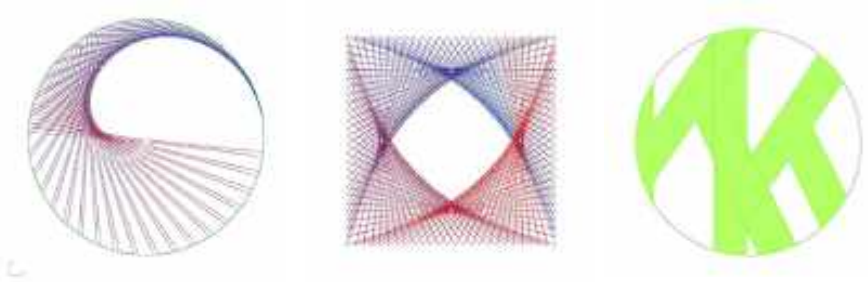


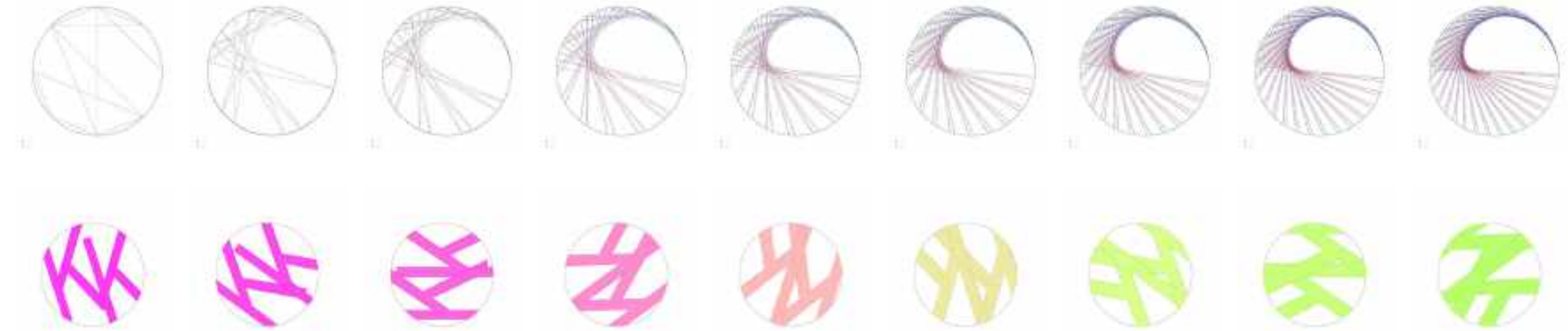


DRAWINGS IN ANCIENT BUILDING SURVEYING

PAINTINGS

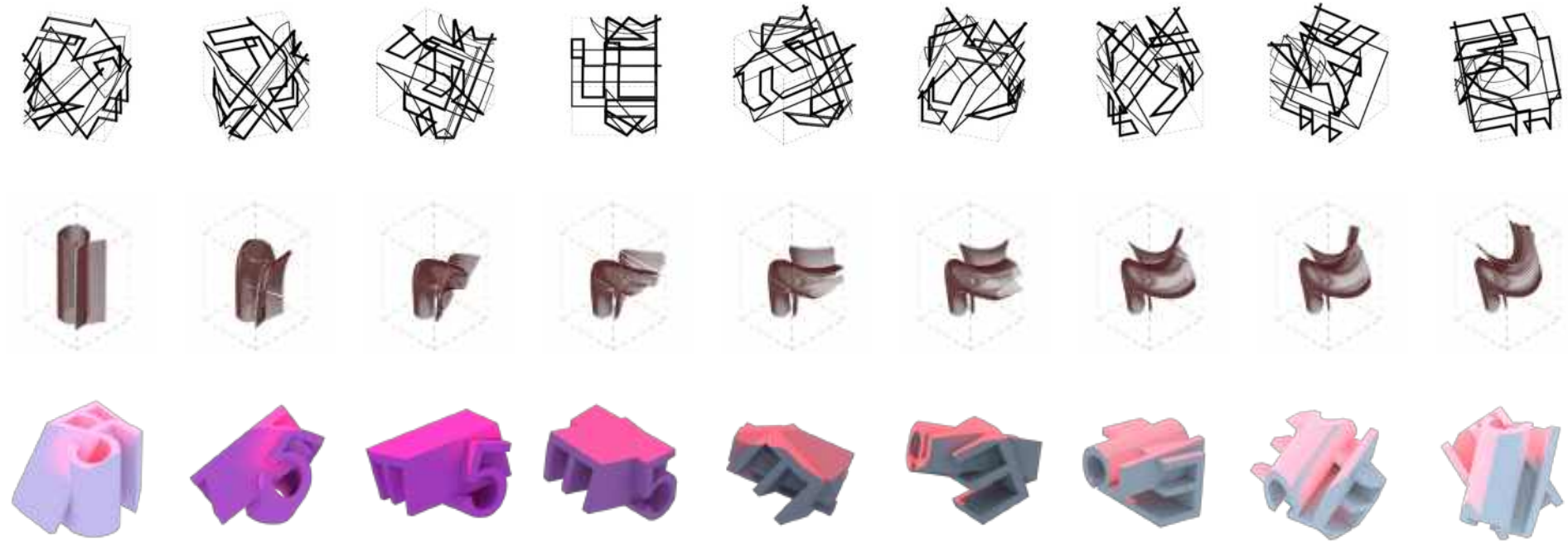
PAINTINGS



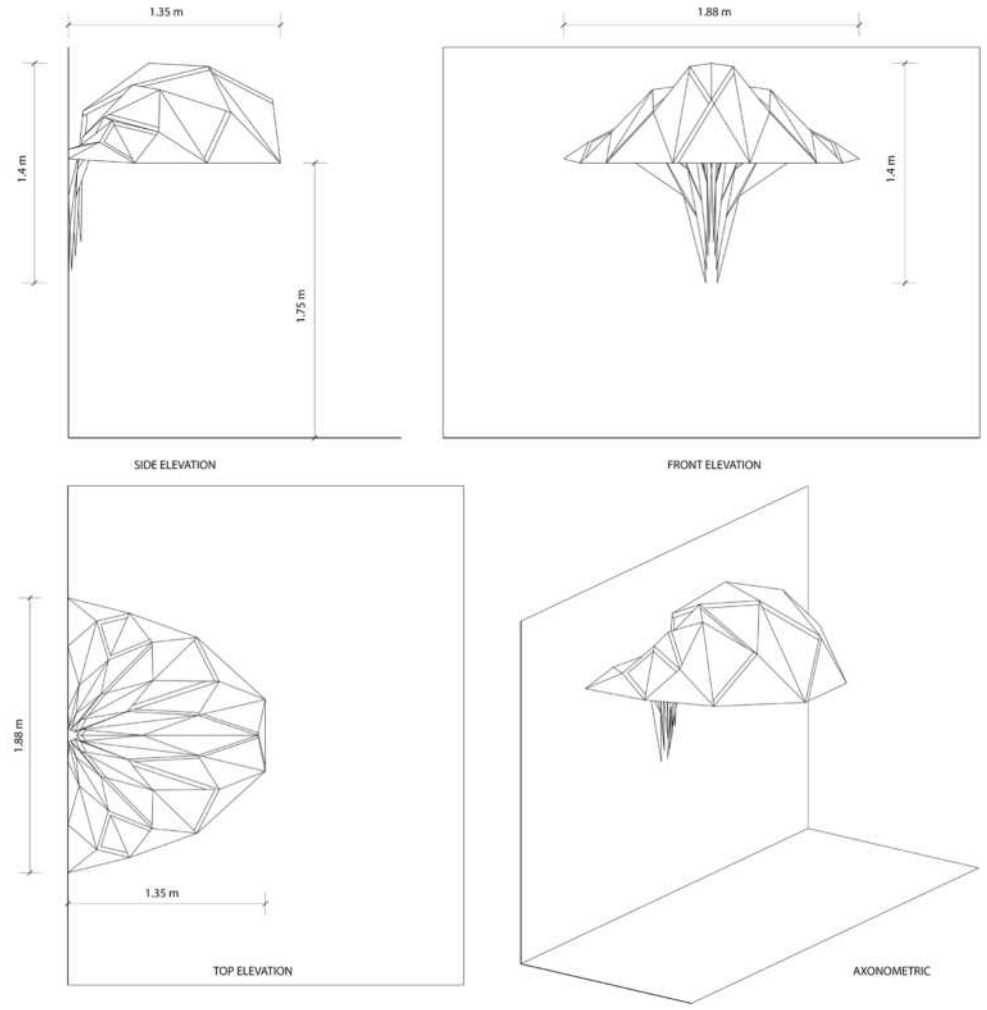


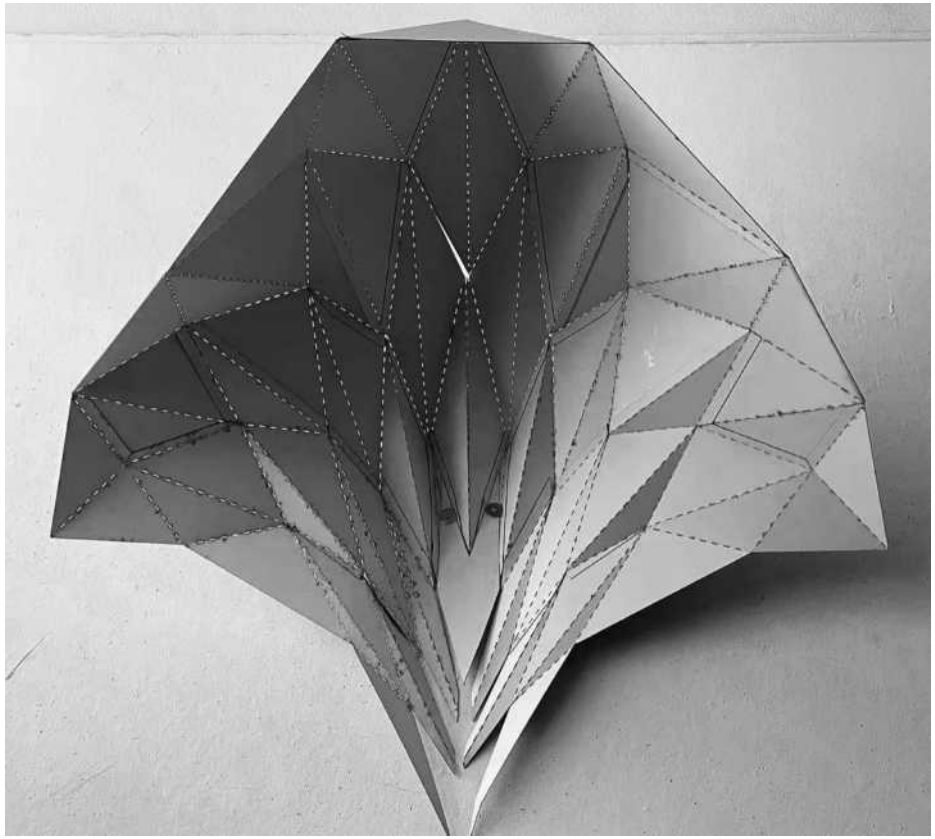
ANIMATION PROJECT

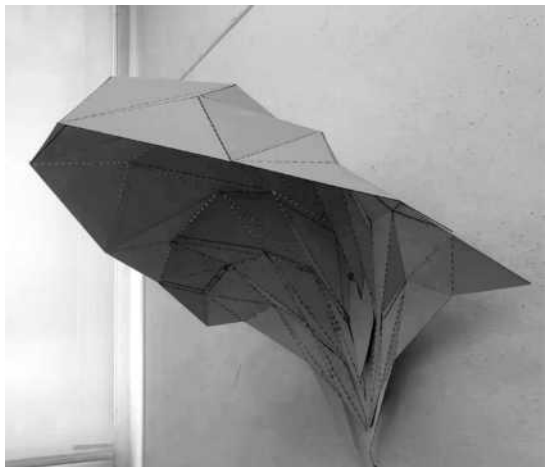
This project focuses on the development of critical and technical skills for production of rigorous formal and graphic documentation. Project 1 focuses on constructing simple transformation in Grasshopper by using points, lines and figures. Project 2 focuses on 3D transformations. Each part will contain modeling, representation, and animation components.

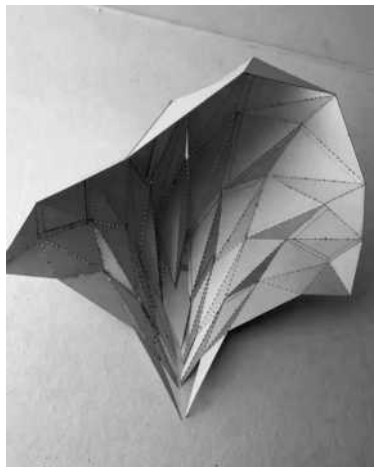


ANIMATION PROJECT









CANTILEVER LAMP DESIGN

The design strategy was inspired by origami which is the practice of paper folding. The design of the cantilever lamp comes from an abstract ginkgo leaf shape. The final design provides an umbrella-shaped stay space that can be shaded and illuminated. By using grasshopper to control degree of bending, we chose the 4th as our cantilevered lamp design outline.

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