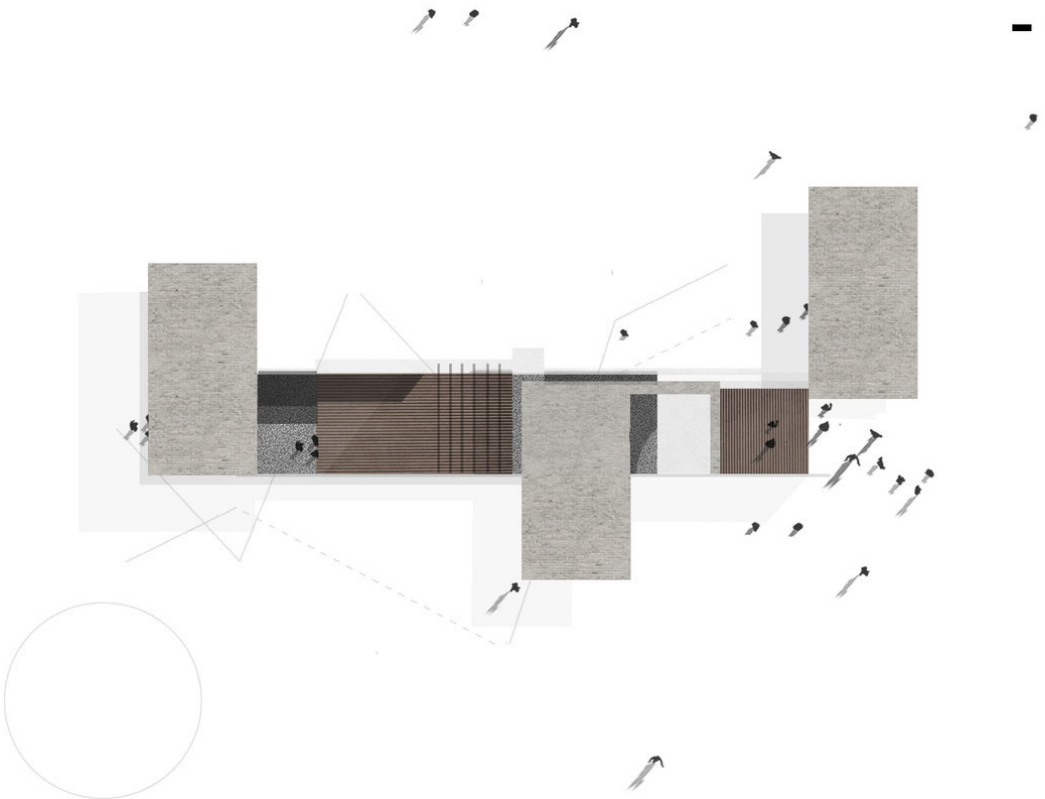
A R C H I T E C T U R E

WORK SAMPLE



Fang (Frank) Sun
Bachelor of Science at University of Virginia (2019 - 23)
Master of Architecture at University of Pennsylvania (2024-27)

Content

FANG **SUN**

PROFILE

- Fang (Frank) Sun graduated with a Bachelor of Science in Architecture degree from the University of Virginia, distinguished by an insatiable enthusiasm for the intersection of **architecture**, **artificial intelligence**, and **digital fabrication**.
- After completing a rigorous four-year program and gaining a year of practical work experience, he has immersed himself in creating innovative solutions through advanced robotics and digital fabrication techniques. With a minor in **computer science**, his studies have included in-depth explorations of AI and adaptive modeling.
- Frank's current work focuses on advanced **3D printing technologies**, incorporating motion recognition with vision-assisted error detection to monitor printing, identify errors, and enhance precision. His research integrates **robotics** and **computational analysis** to optimize design workflows and improve material efficiency.
- Now pursuing his Master of Architecture degree at the University of Pennsylvania in his first year, he continues to blend technical expertise, creative vision, and innovation to advance **digital fabrication** and **design**.

EXPERIENCE in *ARCHITECTURE*

Project Assistant | Roboticplus.AI (Shanghai) Co., Ltd
May 2024 - Aug 2024 *Shanghai, China*

- Programmed robotic arm movements for intelligent construction and assisted in developing CNC routers with C++ and Java
- Designed two outdoor installations for the Jindi Office Building project and formulated models for robotic arm 3D printing with Rhinoceros and C++
- Helped Assemble 185 components printed by the robotic arm on site, created progress diagrams, charts and videos for the presentation to clients

Full-time Designer | STUDIOS Architecture
Jul 2023 - May 2024 *Washington, D.C.*

- Modeled the existing 3-story parking garage in D.C. with Revit and designed 6 parametric ceiling and facade options with Dynamo
- Assisted with interior design and rendering for *Institute of International Finance (IIF)* with Enscape; created various furniture layouts and material choices in Revit for 50% Design Development (DD) presentation
- Working on model fixation for *Bond Bread Redevelopment at Howard University* under Design Development (DD) phase, concentrated on remodeling all staircases and podiums, redesigning entries, conducting canopy and roof drain studies

Design Intern | STUDIOS Architecture
Dec 2022 - Jan 2023 *Washington, D.C.*

- Modeled physical building and site models for 2 ongoing health institution projects with 3D printing and lasering cutting machines
- Created 6 Grasshopper script tests to present the proof of concept of automatic plan generator and parking space formation

Teaching Assistant | UVA (School of Architecture)
Sept 2022 - Dec 2022 *Charlottesville, VA*

- Worked as TA in ARCH 1010 course, *Lessons of the Lawn*, for 20 undergraduate-level students; provided lectures about Chinese religion and architecture history
- Led discussion sessions; provided feedback and grading on weekly assignments about architectural history and theory

CONTACT

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Philadelphia, PA, 19104
portfolio.fangfranksun.com/work.pdf
linkedin.com/in/fangfranksun

EDUCATION

Bachelor of Science in Architecture
University of Virginia
Aug 2019 - May 2023

Master of Architecture
University of Pennsylvania
Aug 2024 - May 2027 (expected)

DESIGN SKILLS

4+ Years of Experience
Rhinoceros
Grassshopper
Revit
AutoCAD
Adobe Photoshop
Adobe Illustrator
Adobe InDesign
Enscape

2+ Years of Experience
Sketchup
Lumion
Vray
ArcGIS

1+ Years of Experience
Keyshot
ArchiCAD
Dynamo
Maya

LANGUAGES

English | Native
Chinese | Native
Spanish | Intermidiate

HOBBIES

Chess | US National Master
Tennis | Chinese L2 Athlete
Biking
Cooking
Photography
Rubiks Cube

CERTIFICATE

- National Council of Architectural Registration Boards (NCARB)
- LEED AP Building Design + Construction (LEED AP BD+C)

Design Intern | Perkins&Will

May 2022 - Aug 2022 *Washington, D.C.*

- Benchmarked *UVA Gilmer Hall and Chemistry Building Renovation* projects; purged central and site BIM models and created new Revit templates
- Designed the loading dock and back entrance for *Omega Building & Key West Building in Rockville* and produced rendering images with Photoshop and Enscape
- Proposed 8 logo-inspired iterations of parametric shelf for *Perkins&Will DC office* with Rhino, Grasshopper and Dynamo

Design Intern | HDR Inc.

Dec 2021 - Jan 2022 *Arlington, VA*

- Drew analysis diagrams and recreated unit models for a children's hospital with AutoCAD, Rhino, Revit and Photoshop
- Designed 10 parametric façade iterations for a project under Schematic Design (SD) with Rhino, Grasshopper, Revit and Dynamo; conducted solar and radiation analysis
- Created 2 Grasshopper plugins (via Python) for HDR employees to conveniently generate solids only using curves in Rhino

Teaching Assistant | UVA (School of Architecture)

Sept 2021 - May 2022 *Charlottesville, VA*

- Worked as TA in PLAC 4010 and 6010 courses, *Neighborhood Planning Studios*, for 16 graduate-level students; provided feedback and grading for modeling coursework
- Conducted weekly workshops on ArcGIS, Rhino and Illustrator skill development; organized meetings with local architecture firms
- Provided 2 lectures about Chinese Gardens design in related to modern urban studies; assigned written assignments; led discussions and provided feedback

Research Assistant | AZL Architects

Jan 2021 - Mar 2021 *Nanjing, China*

- Created 7 iterations of entrance design for *Lei House* (a traditional Chinese townhouse) renovation project with Rhino and AutoCAD
- Refined rendered plans and sections for *Ruralation Museum Hotel* (a hot spring resort hotel) for media publication with AutoCAD, Photoshop, and Lumion
- Digitalized and documented the hand drawings of sections and plans for *China International Practical Exhibition of Architecture No.4 House* with AutoCAD and linked with Revit model for detailed model fixation

Design Intern | MAD Architects

Jul 2020 - Dec 2020 *Beijing, China*

- Helped draw the circulation plan and sections; produced rendering images for level 2 exterior space of Jiaxing Civic Center
- Produced rendered drawings for the public courtyard and urban context and proposed 3 gallery iterations for Pingtan Art Museum
- Improved the UI design of firm's website (http://www.i-mad.com); utilized the rendering image as the project background and created a sidebar for project listing

Design Intern | Tongji Architectural Design Group

Feb 2020 - May 2020 *Shanghai, China*

- Helped develop the level 1 gallery space of *Pinghe Secondary School in Suzhou* and drew the plans and perspective sections of the building to present to the clients
- Drew processing diagrams for *Tongji University Creative Research Institute* with AutoCAD and created 3 iterations for its north façade with SketchUp and Illustrator
- Executed aerial documentation through drone photography for the concept design project; acquired up-to-date data for the mapping process; helped concept rendering using Lumion, Enscape and Photoshop

EXPERIENCE in *COMPUTER SCIENCE*

Java Developer Intern | Alibaba Group Holding Limited

Jun 2021 - Sept 2021 *Hangzhou, China*

- Co-established the online Internet of Things (IoT) system for Xi'niu's On-demand Production Factory, enhanced efficiency by 21% for the embroidery production line
- Co-developed an automated customer management system for Xi'niu Factory to improve managing efficiency, allowing workers to remotely create printing samples and ship to the factory using Alibaba cloud services
- Reprogrammed label printers and embroidery machines with Java and ZPL to allow remote operations and launched it with new WebUI

Lark Frontend Technical Intern | ByteDance Ltd.

Mar 2021 - Jun 2021 *Shanghai, China*

- Provided debug and customization services for users of Lark Open Platform (workplace apps developer), led internal monthly SaaS meetings among customers and developers
- Fixed Lark compatibility issues such as plugin conflicts and mobile responsiveness issues, and reviewed a part of Lark 4.0 updates before it was launched.
- Co-initiated Lark Knowledge Base and used Java & Python to encode and categorize previous solutions, provided references for new hired employees

System Test Design Assistant | Apple Inc.

Apr 2017 - Oct 2018 *Shanghai, China*

- Solved 10 issues in macOS 10.14, including 3 severe security alerts with privacy and message missing; conducted issue reports
- Helped design test cases covering functional and non-functional aspects, including localization and Internationalization, integration and regression (MacOS 10.13.8)
- Collected and provided feedback on the user experience of the iOS 11 Application Program Interface, created comprehensive documentation for internal team reviews

EXPERIENCE in *LEADERSHIP*

CEO & Founder | Hummer Education

Apr 2019 - Now *Shanghai, China (Hybrid)*

- Established a 2-person studio and personally instructed high-school students for chess playing every weekend and held regular chess tournaments
- Independently created and published over 400 chess training videos on various media platforms, including Bilibili, TikTok, and YouTube. Spearheaded the online promotion of chess education, garnering a following of over 150,000 enthusiasts
- Established a 12-member company, primarily overseeing various online platforms, including video editing, market operations, and educational services
- Devised chess-playing website and WeChat mini-program with Node.js and React, widely used for online tournaments and training in China since late 2022

Initiator & Leader | Aparkers (Smart Parking Development)

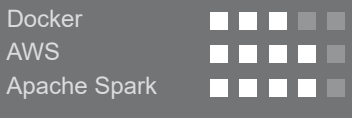
Oct 2016 - Mar 2018 *Beijing, China (Hybrid)*

- Led a project team of 8 to identify the causes of parking problems in Shanghai
- Designed a parking garage demo to model and devise more efficient parking layouts using Rhinoceros and AutoCAD, employed algorithms using Java and agent-based models to visualize optimized parking routes
- Developed and installed signal detection devices in existing parking lots to assess real-time location for vehicles, aiming to achieve indoor guidance without GPS
- Created a mobile application providing both outdoor and indoor parking guidance and launched it in AppStore and Google Play
- Received the patent (201721325329.0); the project was later acquired by ETCP, a leading company in intelligent parking in China

PROGRAM SKILLS

Program Languages

Cloud-Based Technology



RELEVANT COURSES (ARCHITECTURE)

- Architecture History (I & II)
- Foundation Studios (I - VII)
- Modeling Visualization
- Architecture Theory / Tectonics
- Structural Design
- Historical Preservation

RELEVANT COURSES (COMPUTER SCIENCE)

- Software Development Methods
- Discrete Mathematics
- Program and Data Representation
- Cybersecurity
- Machine Learning

RESEARCH EXPERIENCE

Independent Researcher | UVA (School of Architecture)

Jan 2023 - June 2023 *Charlottesville, VA*

- Supervised by Dr. Ehsan Baharlou, developed *Drive Easy*, an innovative solution designed to improve drivers' parking experience
- Identified potential parking constraints and used agent-based modeling to simulate viable parking solutions
- Applied graph theory and generative sorting algorithms to assign the optimal spot for vehicles to reduce time spending
- Integrated AR assistance in a test vehicle and successfully simulated network-independent navigation controlled by IoT devices only in the garage

Research Intern | College of William and Mary (Lens Lab)

Nov 2021 - Jun 2022 *Williamsburg, VA (Hybrid)*

- Supervised by Dr. Gang Zhou, helped develop a covert channel attack which leaks user data by encoding and transmitting them through smart bulb's infrared emission
- Analyzed power usage pattern of the bulb instead of monitoring the infrared emission
- Helped design a power-auditing system and a CNN model which identifies the smart bulb's leakage of private data

PROJECTS in *ARCHITECTURE* (SELECTED)

Howard University - Bond Bread Redevelopment

Jan 2024 - Apr 2024

- Building design, master planning, interior design, working drawing production, physical model production (STUDIOS Architecture)

Institute of International Finance (IIF)

Sept 2023 - Dec 2023

- Rhino and Revit file remodel, Interior design, interior rendering, program analysis, material selection (STUDIOS Architecture)

899 North Capitol Street

Jul 2023 - Sept 2023

- Interior design, ceiling and facade redesign, construction drawing production, physical drawing production (STUDIOS Architecture)

Pingtan Art Museum

Jul 2020 - Sept 2020

- Concept design, program analysis, working drawing production (MAD Architects)

Jindi Office Building Installations

June 2020 - Aug 2020

- Concept design and model, working drawing production, exterior rendering, robotic arm programming (Roboticplus.AI)

PROJECTS in *COMPUTER SCIENCE* (SELECTED)

Chess Alpha Pro

Apr 2022 - Sept 2022

- A chess reinforcement learning by AlphaGo Zero methods. *[Python, Keras, Machine Learning]* (Collaboration)

Chess Lc0 Engine (Leela Chess Zero)

Oct 2019 - Feb 2020

- A chess AI following the same type of techniques as AlphaZero using Stockfish's position representation and move generation. *[Python, C++]* (Collaboration)

FELLOWSHIP & AWARDS

2022 Perkins&Will Summer Internship Design Competition

- Designed an ergonomic chair, finished modeling, drawing, and rendering within a day
- Won the second prize among all participating interns and delivered a presentation

2022 Yongxin Gucheng Bridge Design Competition

- Designed a bridge for both vehicles and pedestrians to ease local traffic pressure, incorporating local climatic and cultural elements
- Received honorable mention from the competition committee

2020 Roboticplus Meng-Xi Innovative Design Fellowship

- Used research funds to design and improve a new 3D printer which is able to print high-strength TPU and nylon, and produced a machine prototype within four weeks
- Integrated the machine into cloud service to address the conflict of control by multiple devices simultaneously; enhanced the printer's capability to print objects with higher slope values by about 18% without support

PUBLICATIONS

- Sun, F. (2023). Zhouzhuang, Suzhou: The Change of Residential Space in Jiangnan Water Ancient Towns due to the Continuously Rising Commercialization. Journal of Planning Education and Research (in press)
- Sun, F. (2023). “Metabolism Tragedy” – The Deconstruction of Nakagin Tower. Journal of Architectural Education (under peer review)
- Sun, F. (2023). How to Modify the Time of Yellow Traffic Lights in order to Improve Traffic Efficiency? International Journal of Mathematics (under peer review)

SERVICES

Thesis Mentor | Howard University Department of Architecture

Oct 2023 - Apr 2024 *Washington D.C.*

- Serve as a dedicated professional mentor for a thesis student throughout both Fall and Spring semesters, providing feedback and actively communicate with the student
- Meet with the assigned student twice a week and check the work progress put on Miro; discuss and annotate iterations for further research
- Participate in each formal thesis review, providing insights during each session for all thesis students; collect notes from all reviewers and share with student

Chess Arbiter Volunteer | The 4th Asian Para Games

Oct 2023 - Oct 2023 *Hangzhou, China (Hybrid)*

- Provided online technical support for game recording and online live broadcasting
- Worked as a B1 category arbiter for fully visually impaired participants, assisted players in moving pieces and ensured fairness and impartiality in each game
- Studied communication languages (Russian, Arabic, Korean, and Malay) from different countries, translated critical tournament information and announcements to facilitate effective communication between players and officials

Career Development Mentor | UVA (School of Architecture)

Jan 2023 - May 2023 *Charlottesville, VA*

- Offered specific career advice for 5 undergraduate students based on their interests
- Provided resources and guidance for finding job opportunities and helped them prepare for job (internship) interviews and review portfolios individually
- Helped organize career fairs and workshops to foster relationships between students and architecture industry professionals

School Tour Volunteer | UVA (School of Architecture)

Aug 2022 - Sept 2022 *Charlottesville, VA*

- Conducted regular tours for external visitors showcasing our school building; provided chances to observe ongoing classes and enjoy students' model works in the FabLab
- Introduced the school's history and culture and addressed any questions from visitors

Exhibition Volunteer | Living Garden: The House of the Future

Sept 2018 - Oct 2018 *Beijing, China*

- Assisted in the coordination of the exhibition by Yansong Ma and MAD Architects
- Collaborated with the event team to design the exhibition layout for four sections, played a key role in the setup to guarantee an engaging experience for attendees
- Led guided tours, offering insights into the design concepts presented by Yansong Ma, enhancing visitors' understanding of the exhibition, and answering inquiries

RESEARCH INTEREST

- Human-Centered Architecture Design
- Resilient and Adaptive Architecture
- Generative Space Design with AI
- Advanced Digital Fabrication and Parametric Design
- Smart Cities and IoT in Urban Design and Development
- AI-Driven Tools Development

ONGOING RESEARCH

- **Generative Design for Architectural Space Planning**

  The project aims to generate various plan layouts automatically by outlining a specific area with different functions in the sketching software, allowing designers to explore more possibilities for concepts in early stages.

- **Motion and Vision-Based Error Detection in 3D Printing**

  This research leverages computer vision, machine learning, and robotics to integrate motion recognition and vision-assisted error detection. Using real-time image processing and AI-driven decision-making, it aims to monitor printing, correct errors, and enhance precision and efficiency in digital fabrication.

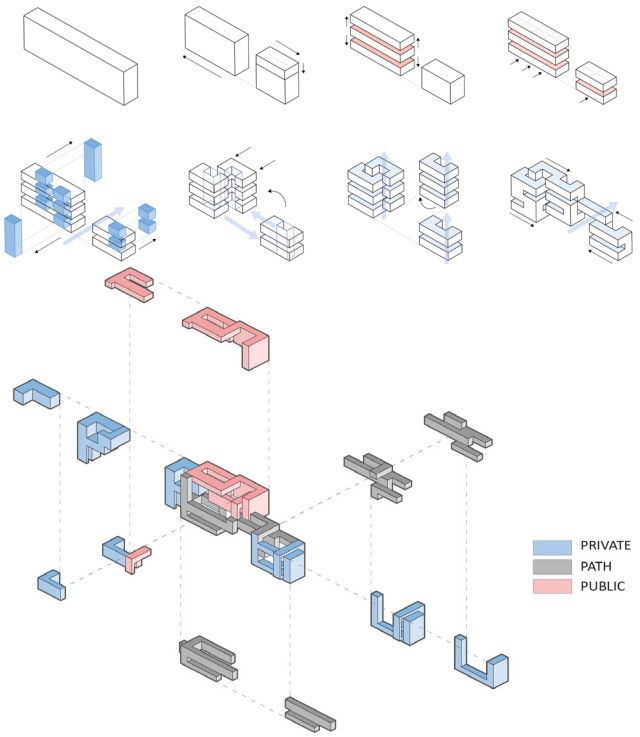
01

Welcome Center for the Columbia University

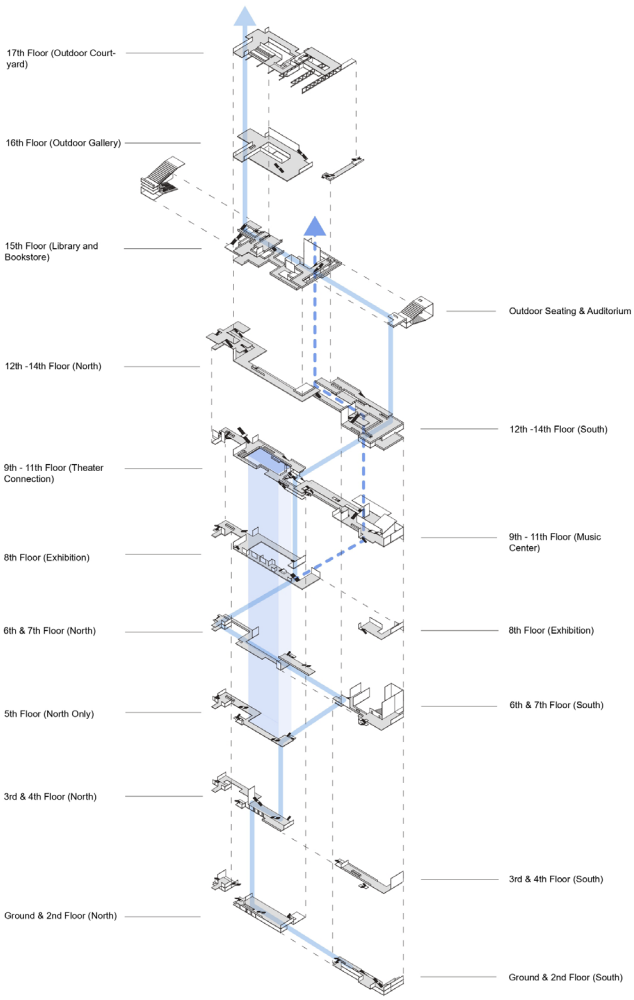
Visioning Climate Resilience and Sustainability in Densed Urban

Individual Work, Fall 2021

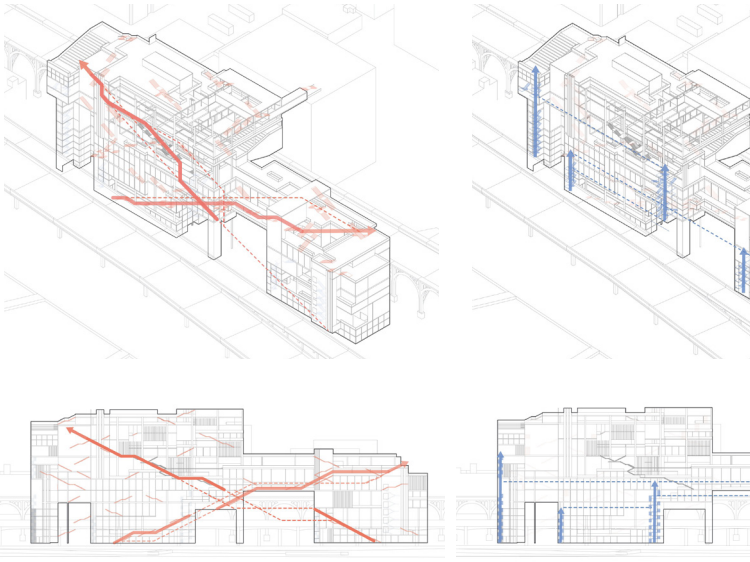
Instructor: Peter Waldman



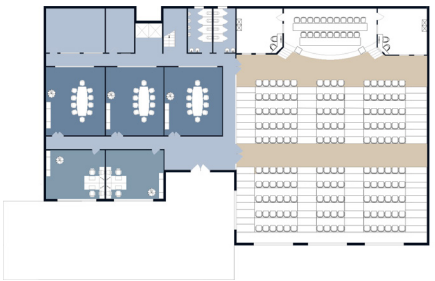
Form Analysis Diagrams



Exploded Axonometric Diagram

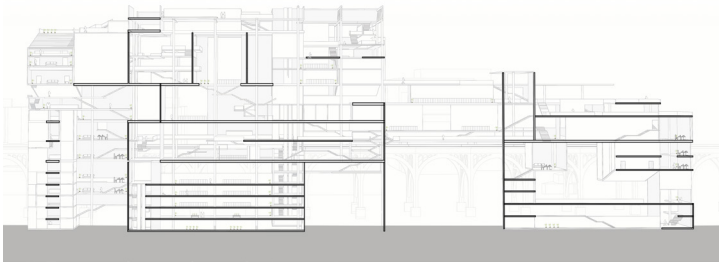


Circulation Analysis D

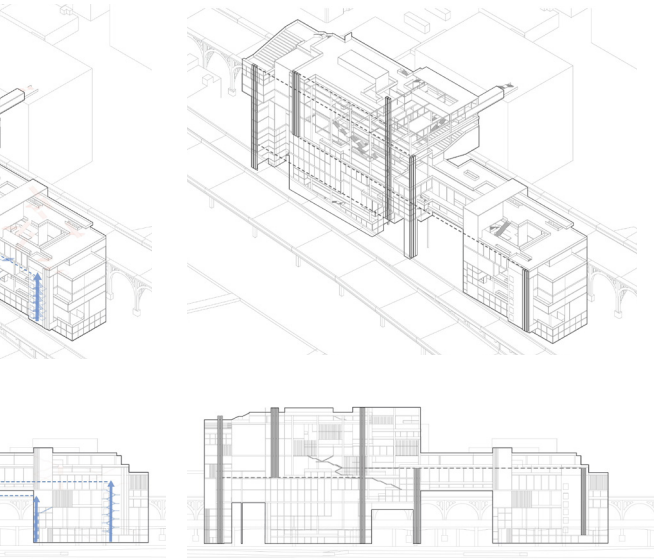


Details Plans for Aditorium, L

Master Plans for Level

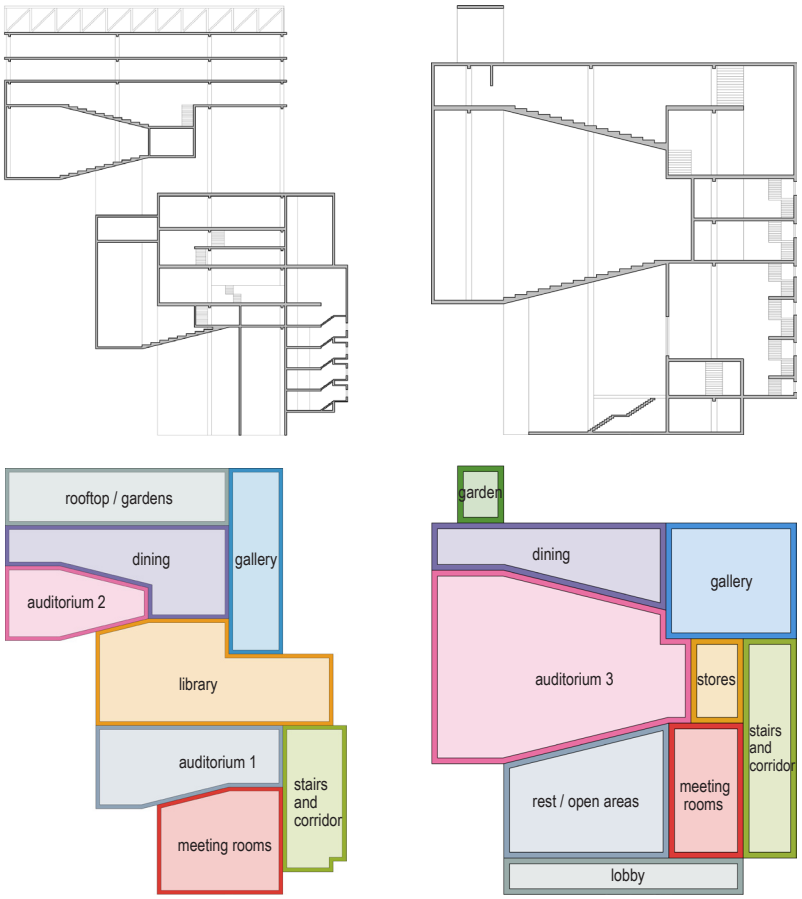


Long Sections

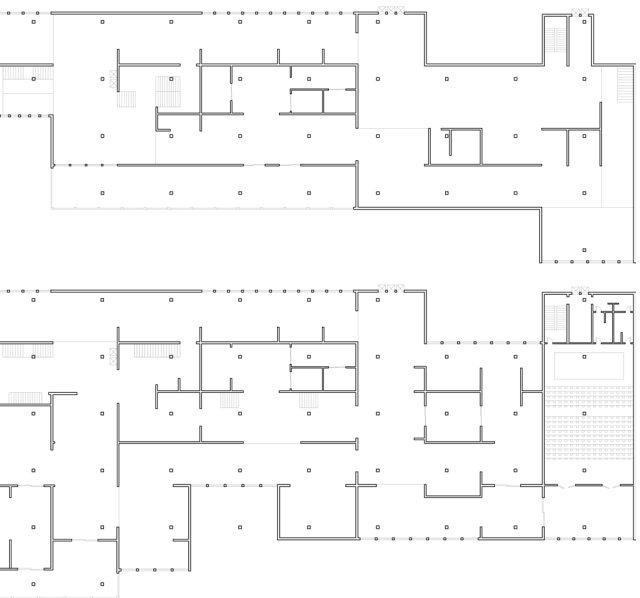


Diagrams

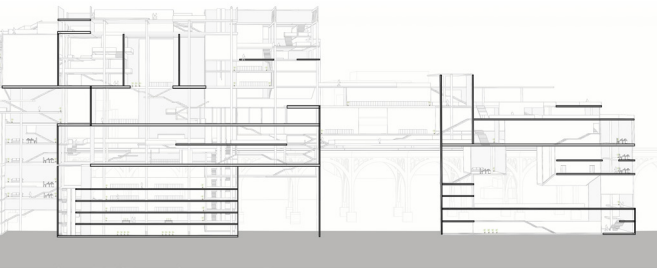
ibrary and Dining

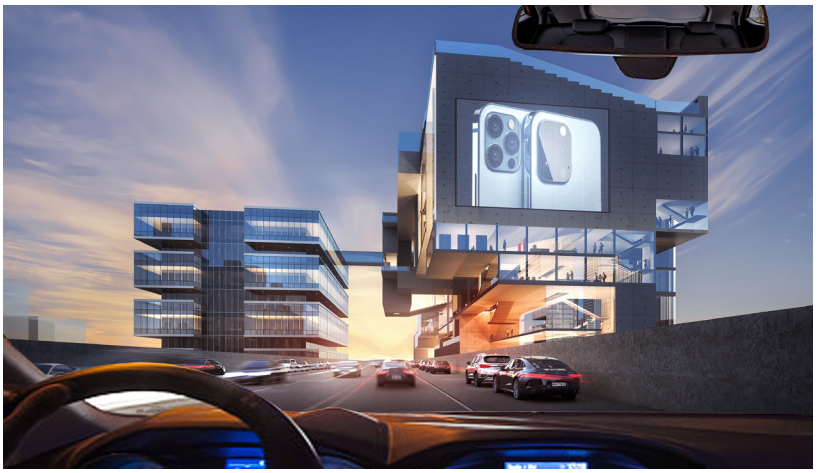


Short Sections and Function Analysis Diagrams



12 and 6





Renders

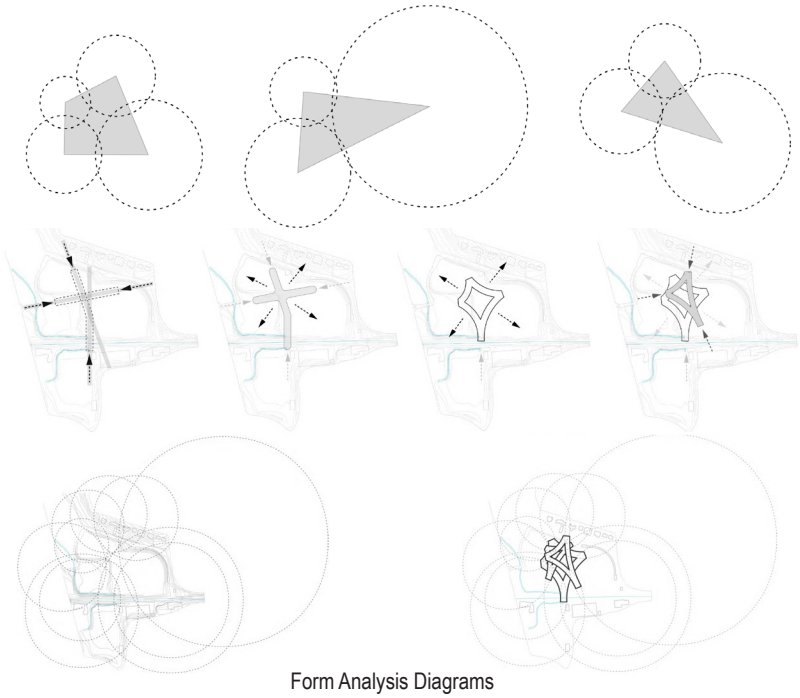
02

"Reborn": A Mixed-Use Building for the UVa Community

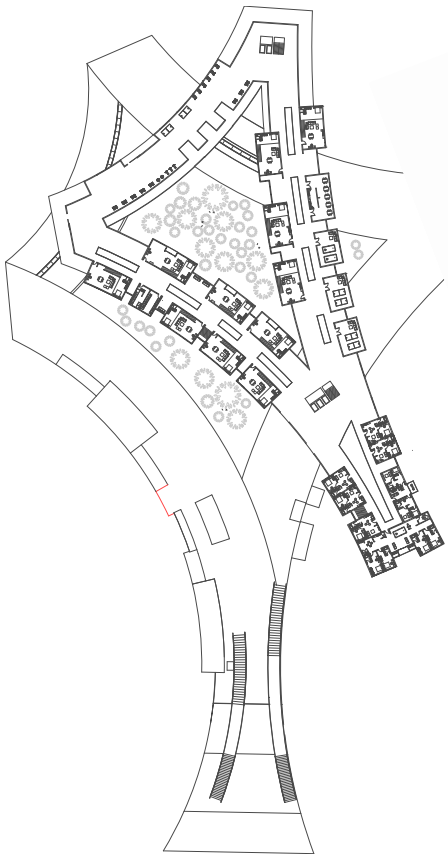
Experimenting Architectural Intervention in Spatial Separation

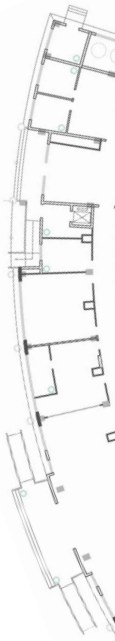
Individual Work, Spring 2022

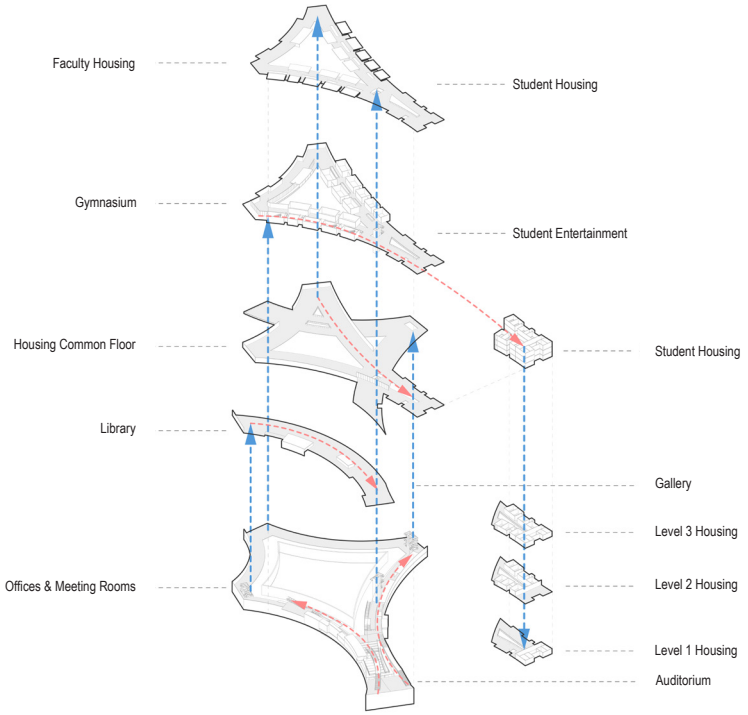
Instructor: Schaeffer Somers



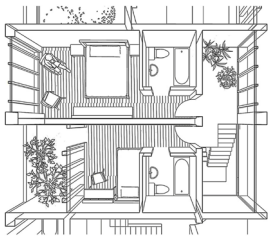
Form Analysis Diagrams



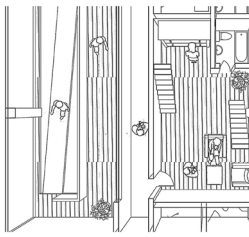




Exploded Axonometric Diagram



Type 1



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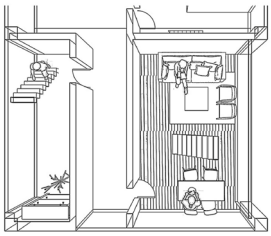

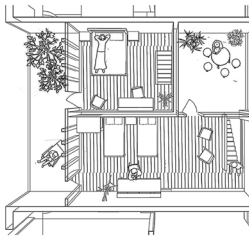

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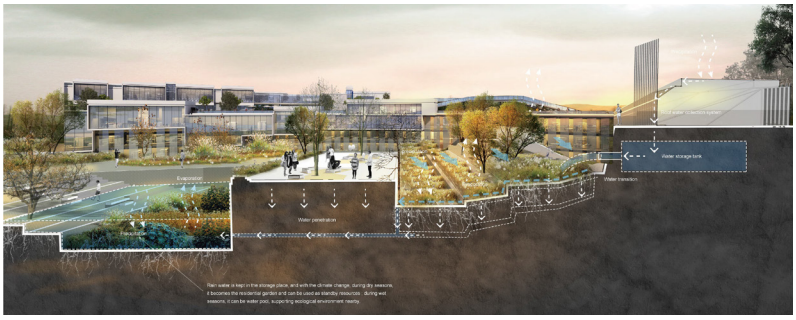
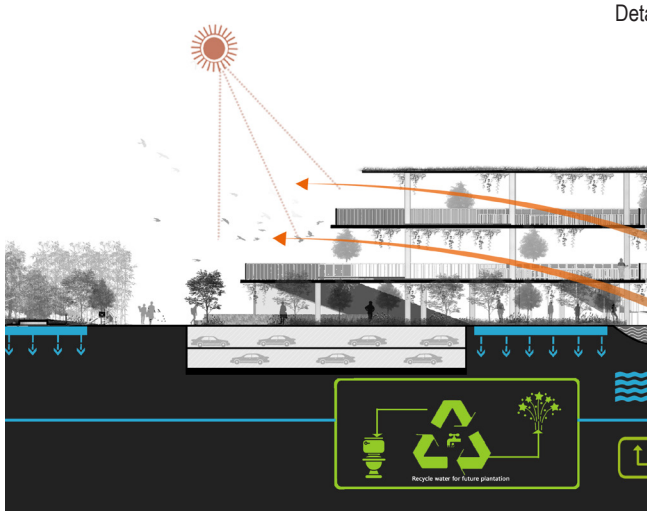
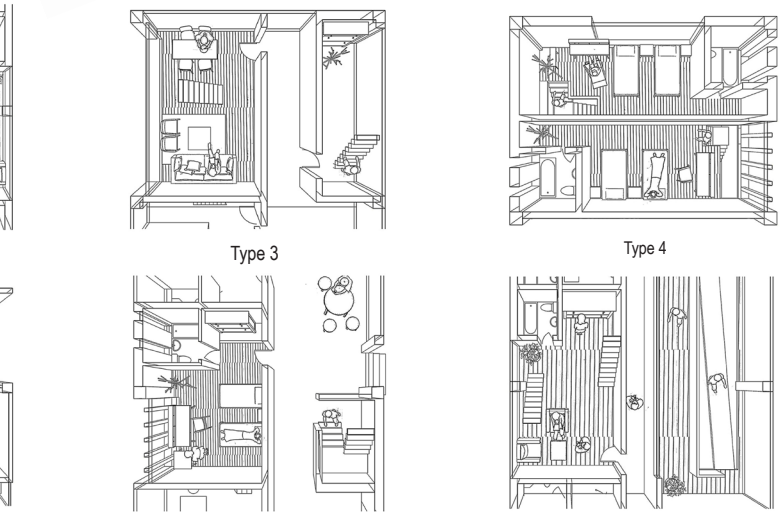


Long Section with Designed Water Storag and Reuse System

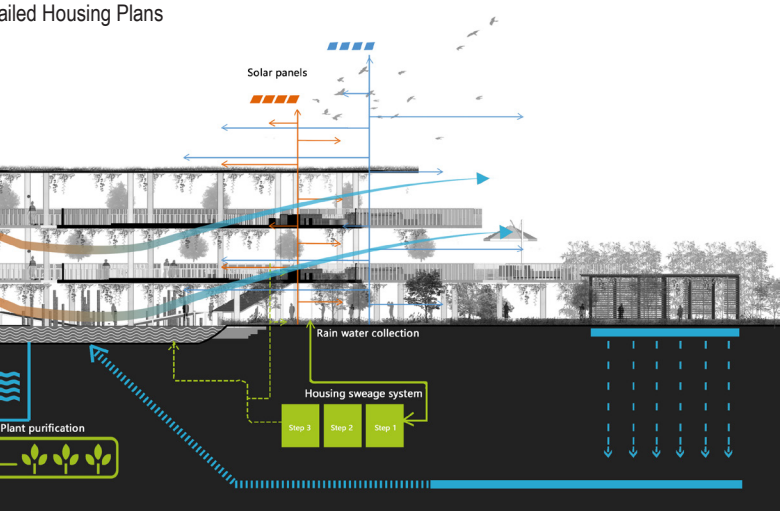


Elevation

Master Plans



ailed Housing Plans



n with Ecology Enalysis

Renders

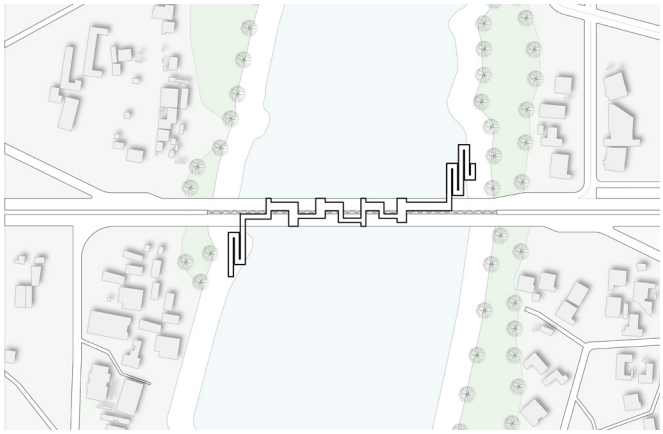
03

A Renovated Bridge in an Old Water Town

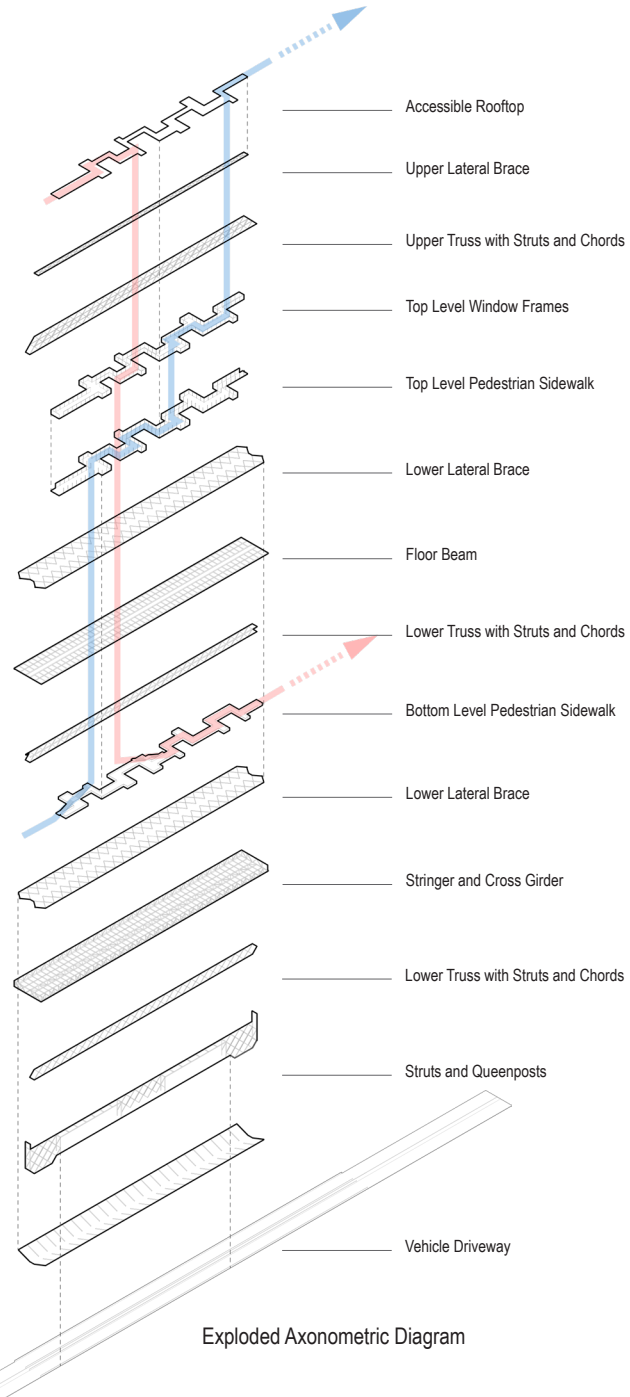
Bridging Humans and Vehicles

Individual Work, Fall 2022

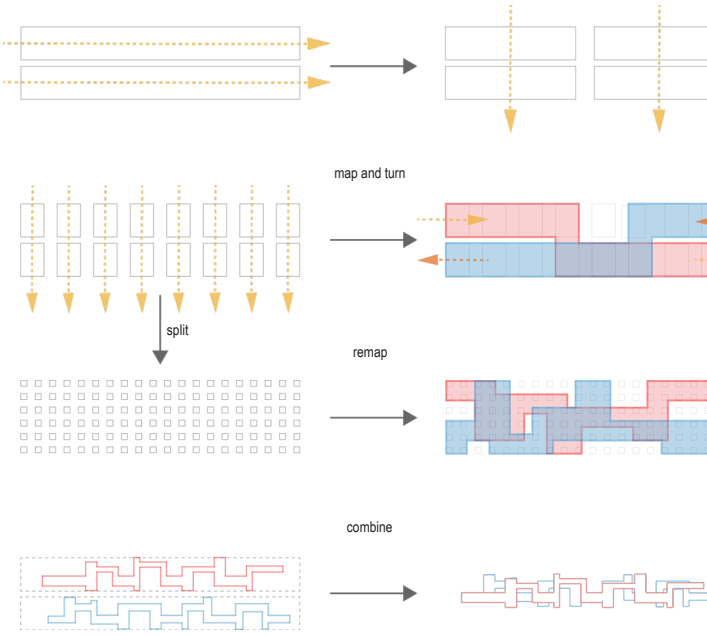
Instructor: Lifeng Lin



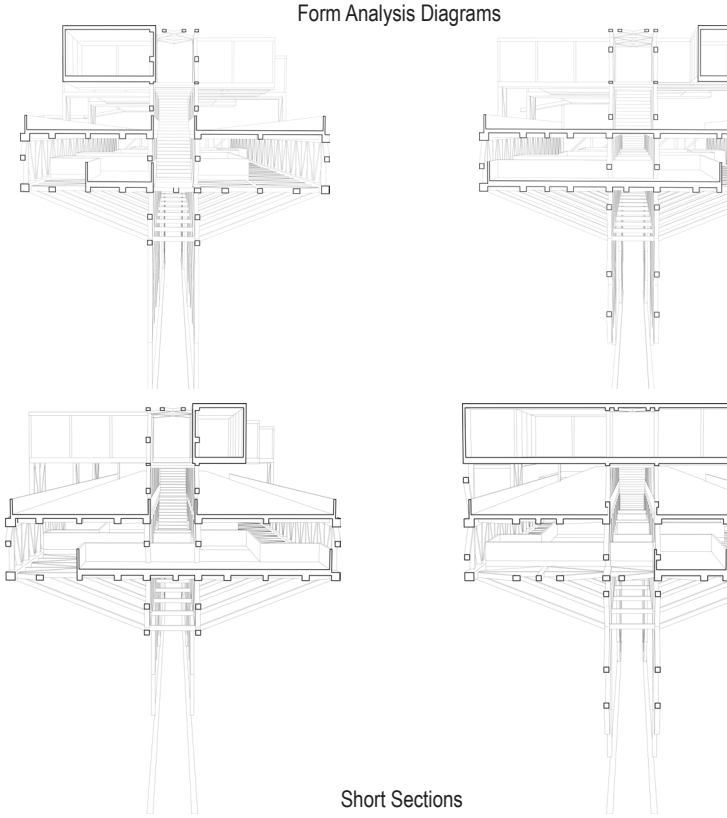
Site Diagram



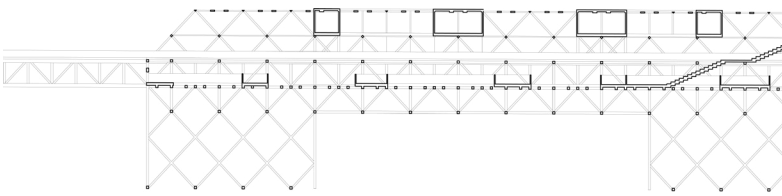
Exploded Axonometric Diagram



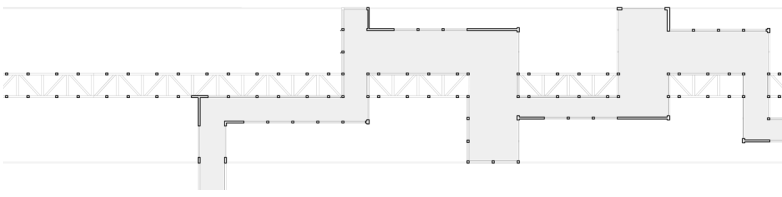
Form Analysis Diagrams



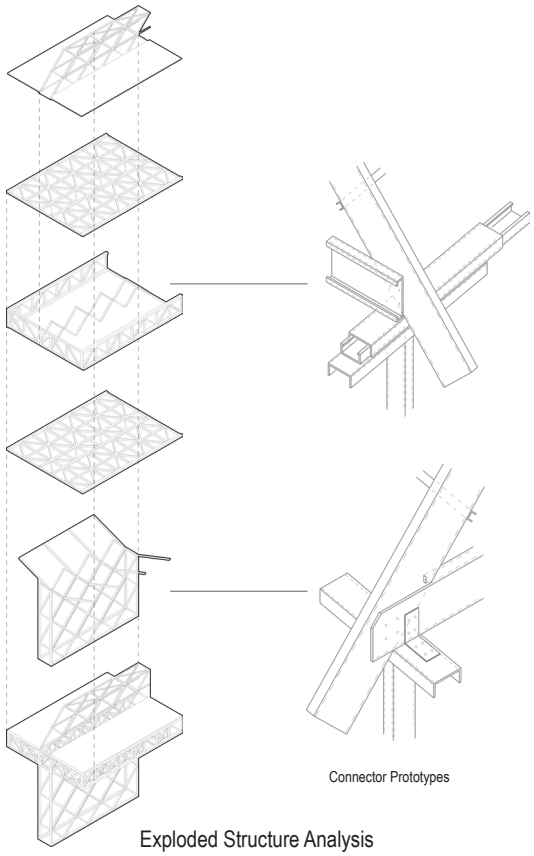
Short Sections



Linear

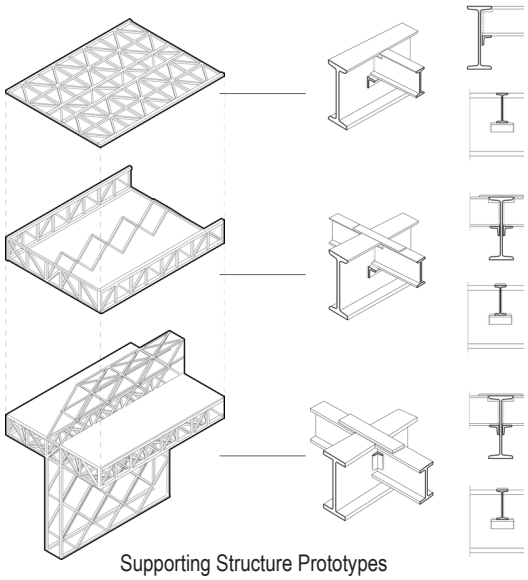


Upper Sidewalk L

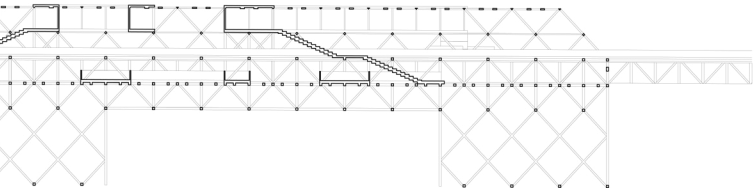


Connector Prototypes

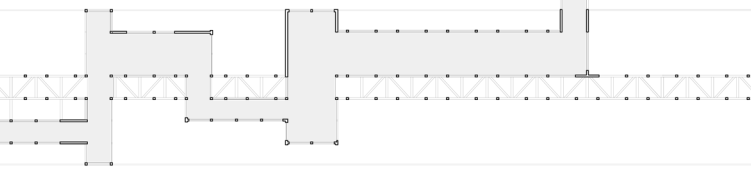
Exploded Structure Analysis



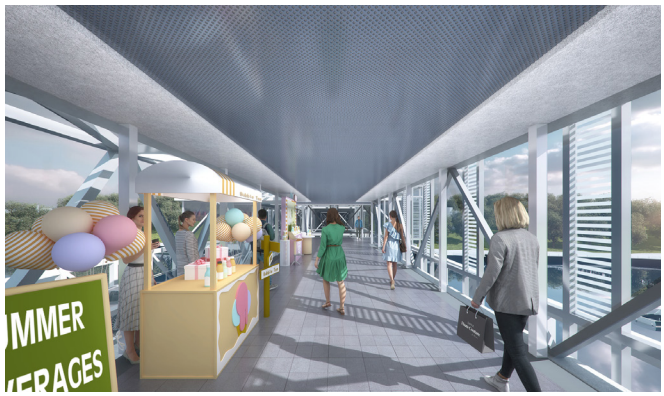
Supporting Structure Prototypes



Section



Level Master Plan



Renders

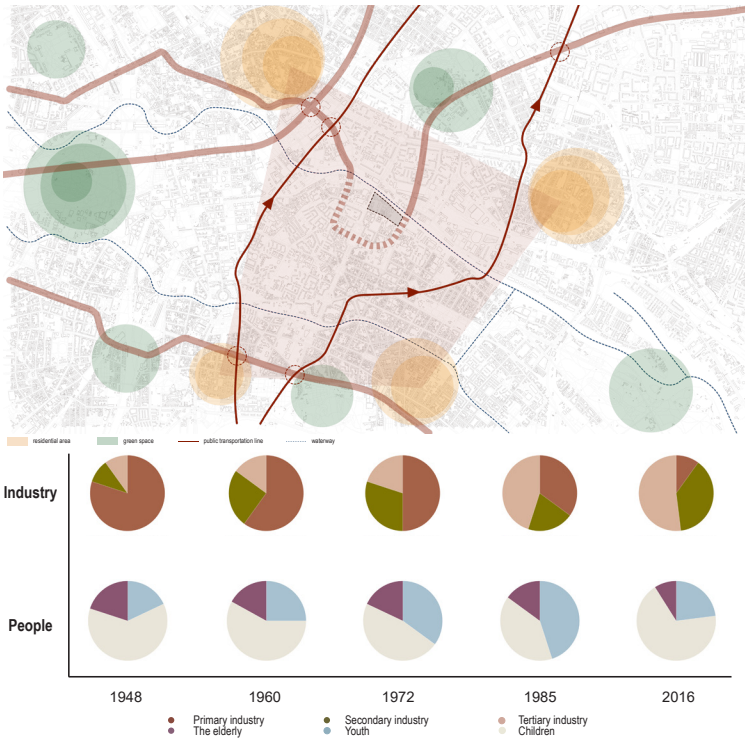
04

An Aggregable Collective for Industrial Settlement

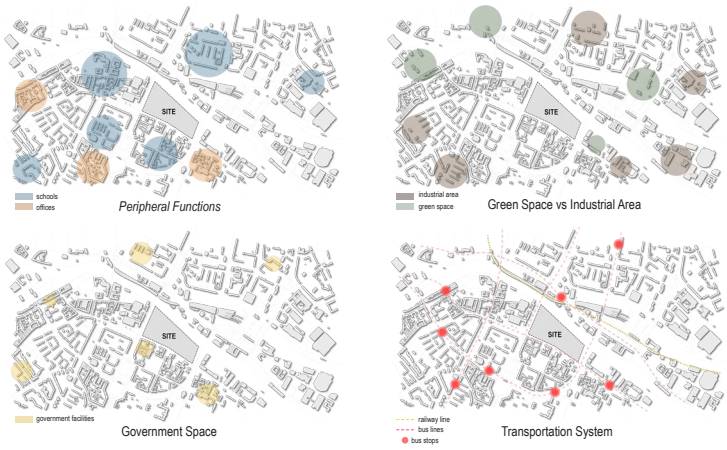
Exploring Architectural Growth with Discrete Design

Individual Work, Fall 2022

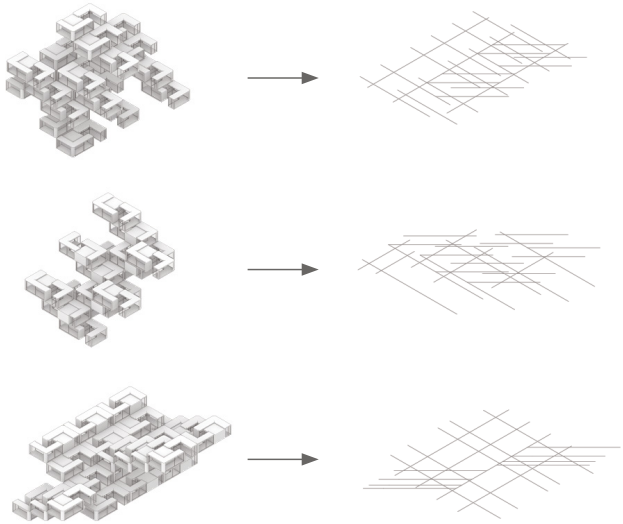
Instructor: Meizi Li



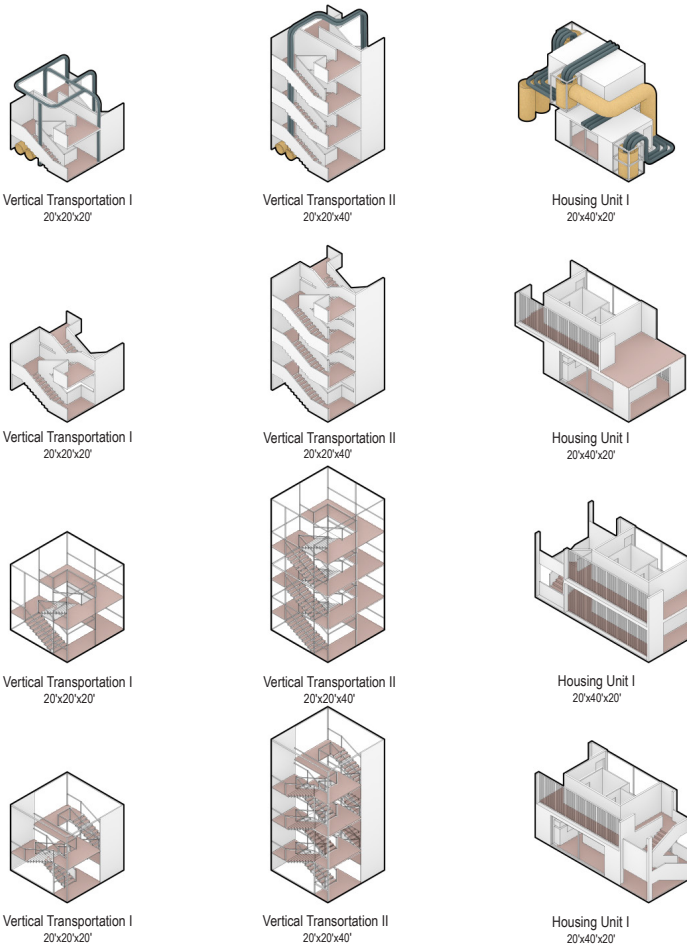
Site Research and Analysis



Urban Facilities Analysis

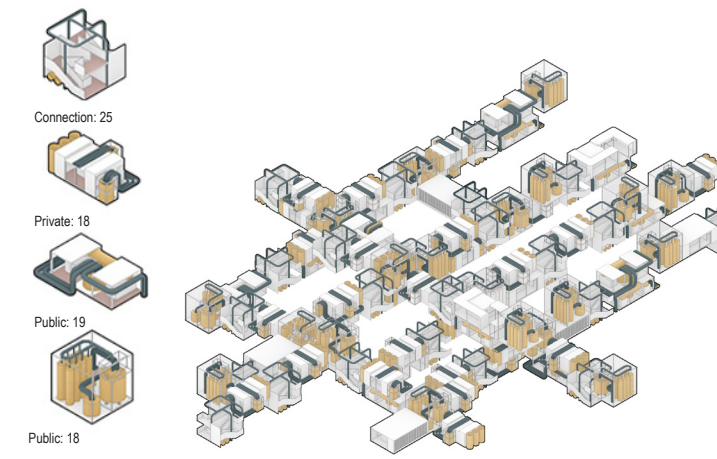


Spatial Arrangement Generated by Lines

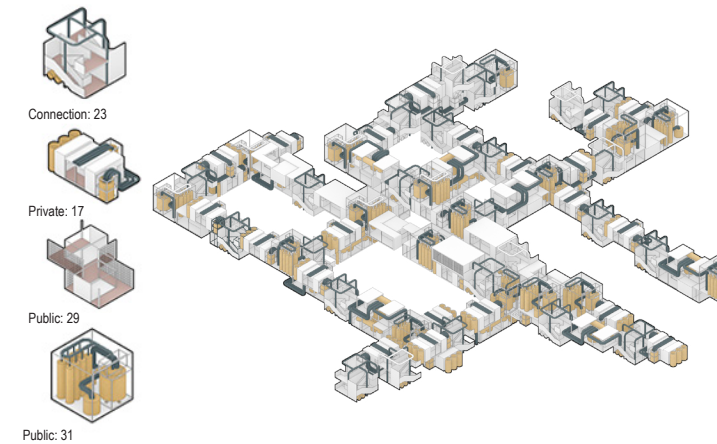


Roo

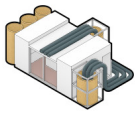
Assembly 1 (100 units)



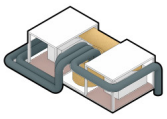
Assembly 3 (100 units)



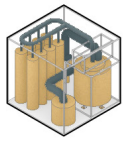
As



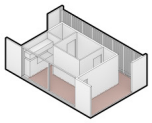
Housing Unit II
20'x30'x10'



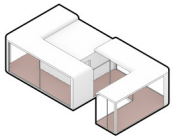
Electrical Room
20'x40'x10'



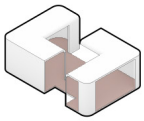
Mechanical Room
20'x20'x20'



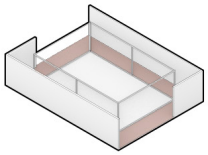
Housing Unit II
20'x30'x10'



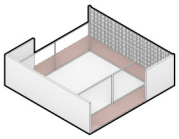
Electrical Room
20'x40'x10'



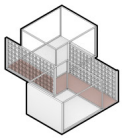
Exhibition Space
20'x30'x10'



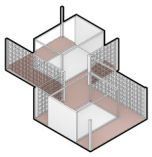
Lab
30'x40'x10'



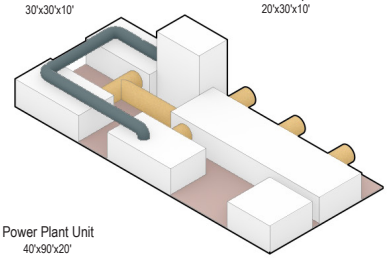
Discussion Room
30'x30'x10'



Exhibition Space
20'x30'x10'



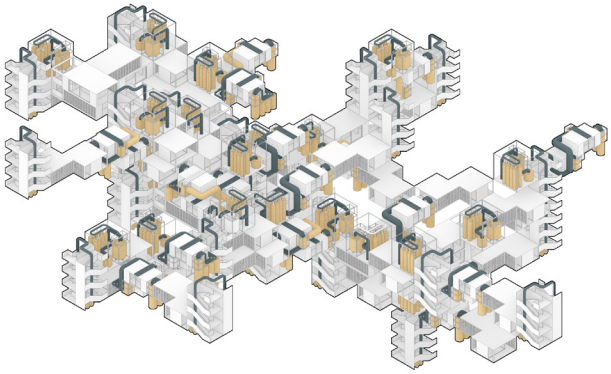
Lab
30'x40'x10'



Power Plant Unit
40'x90'x20'

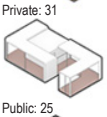
m Prototype Analysis

Assembly 2 (100 units)



Connection: 22

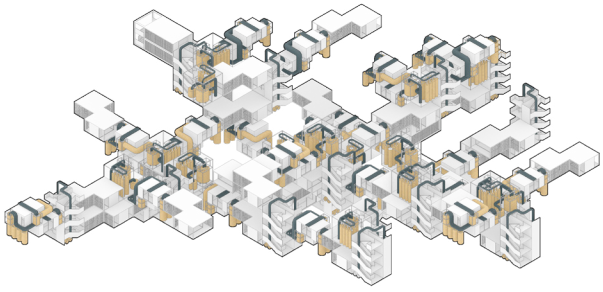
Private: 31



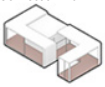
Public: 25

Public: 22

Assembly 4 (100 units)

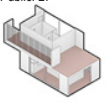


Connection: 16



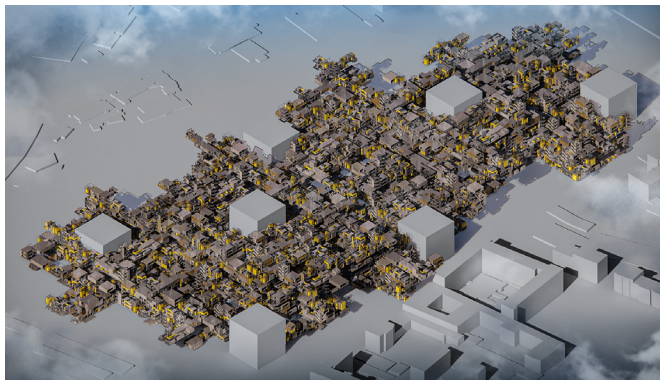
Public: 23

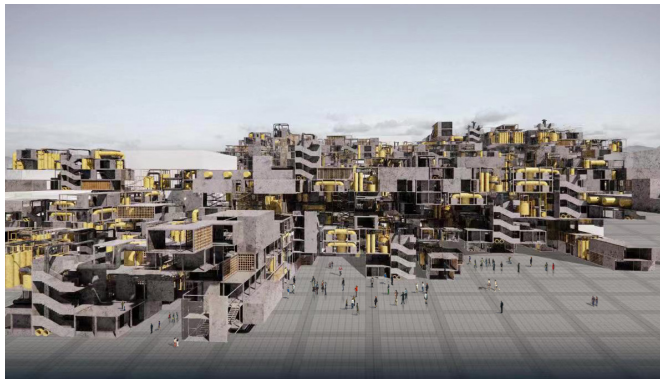
Public: 27



Private: 34

ssembly Options





Renders

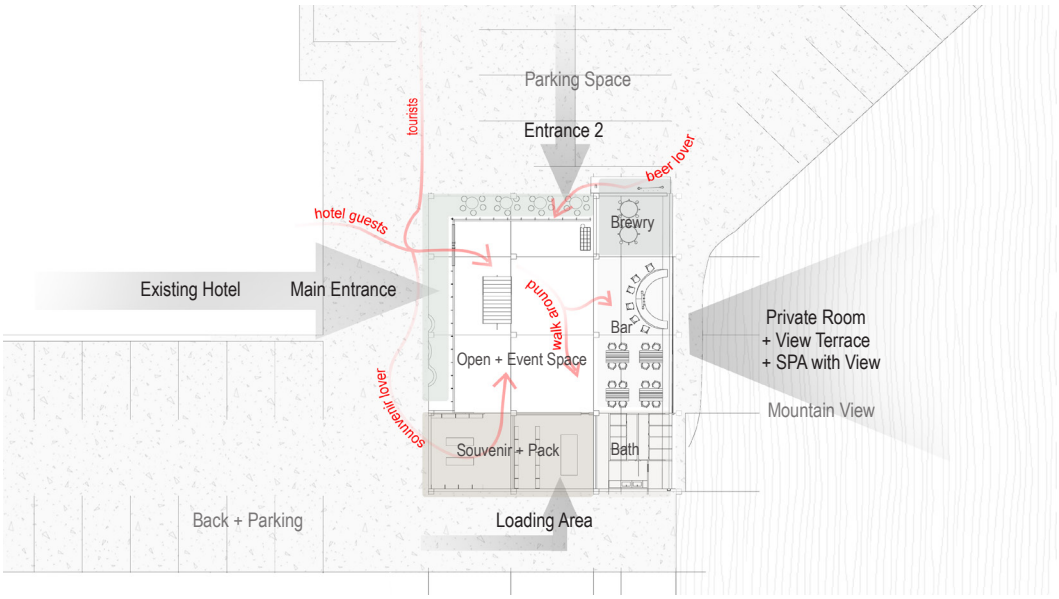
05

Arctic Brewscape

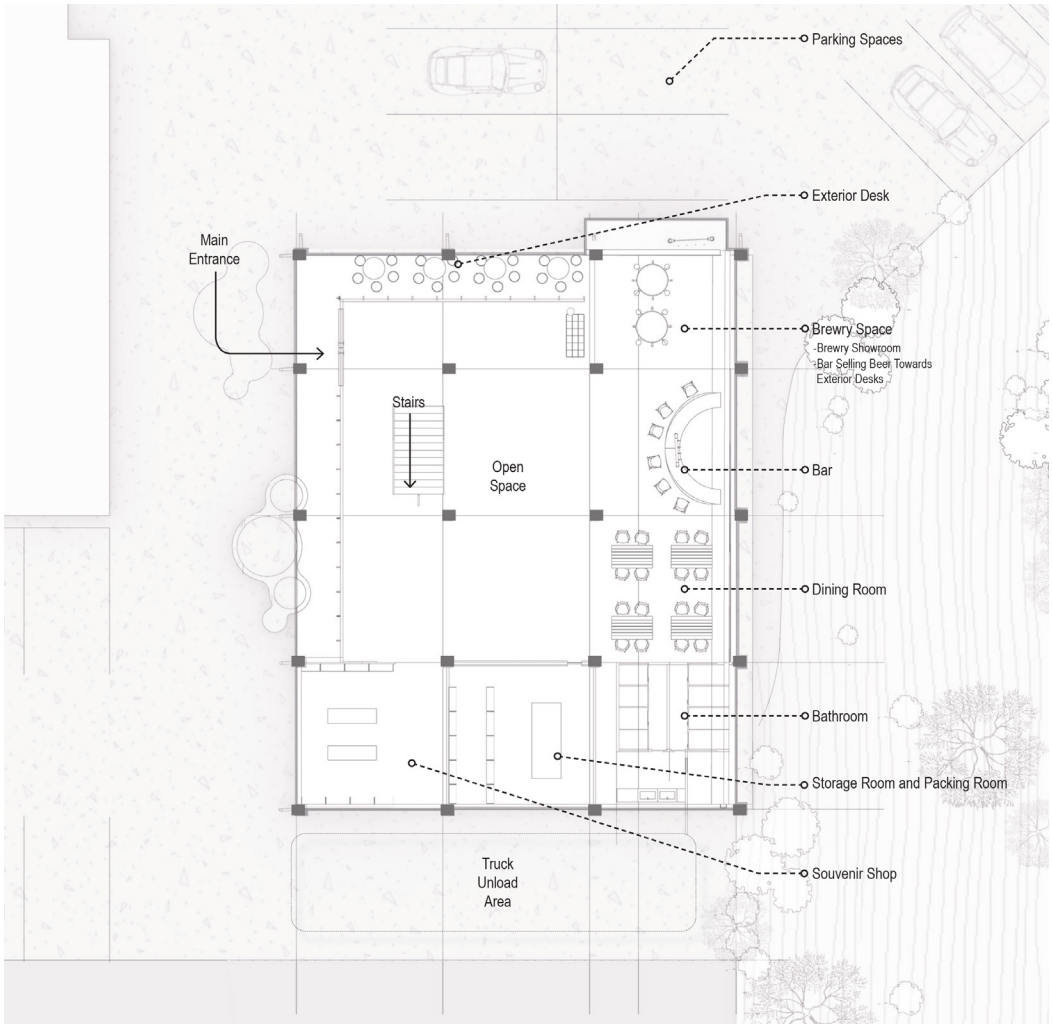
A Beer Spa with Harmonious Fusion of Iceland's Culture and Modern Amenities

Individual Work (Buildner International Architecture Competition)

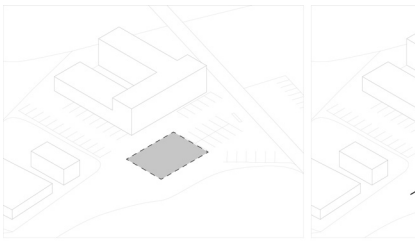
Fall 2023



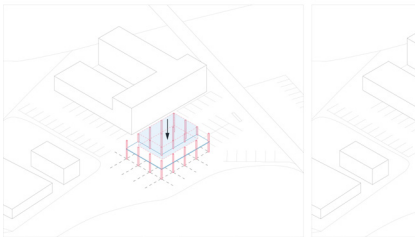
Circulation and Site Pattern Diagram



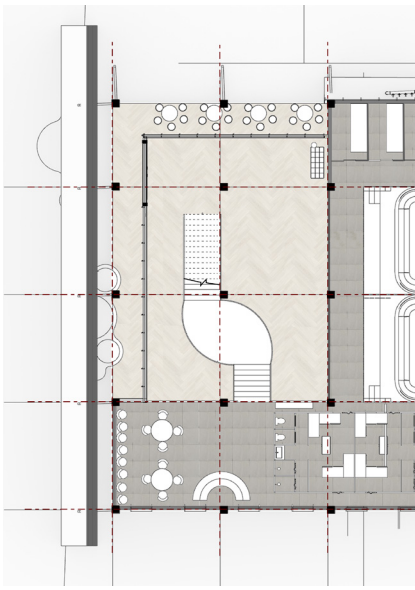
Site Plan



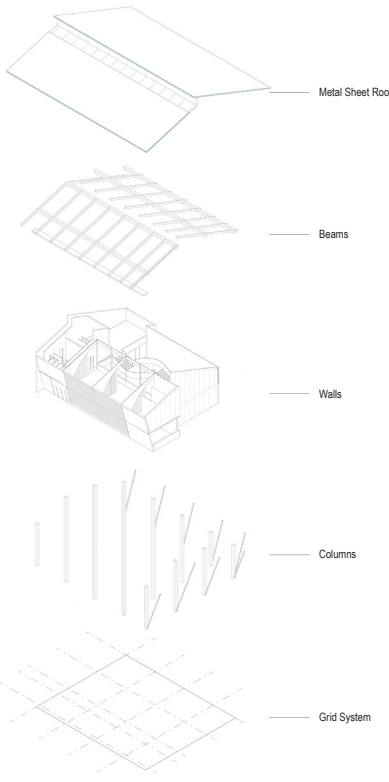
break



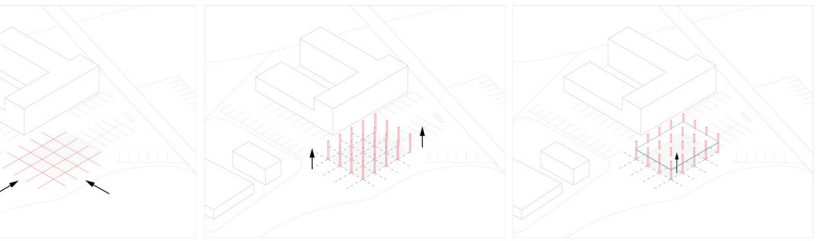
substract



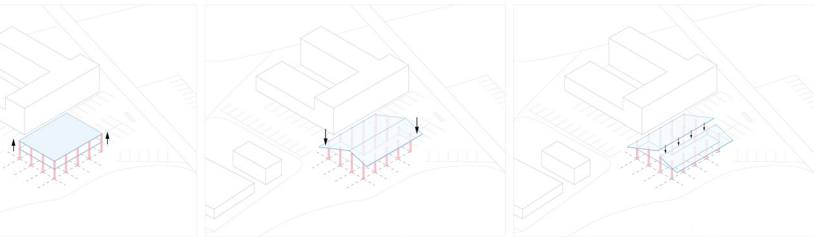
Level 1 Plan



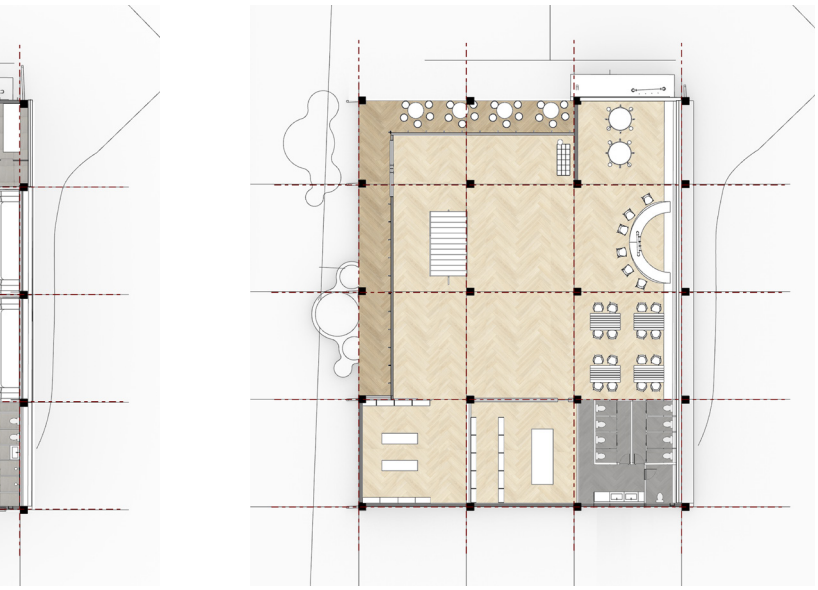
Exploded Structural Diagram



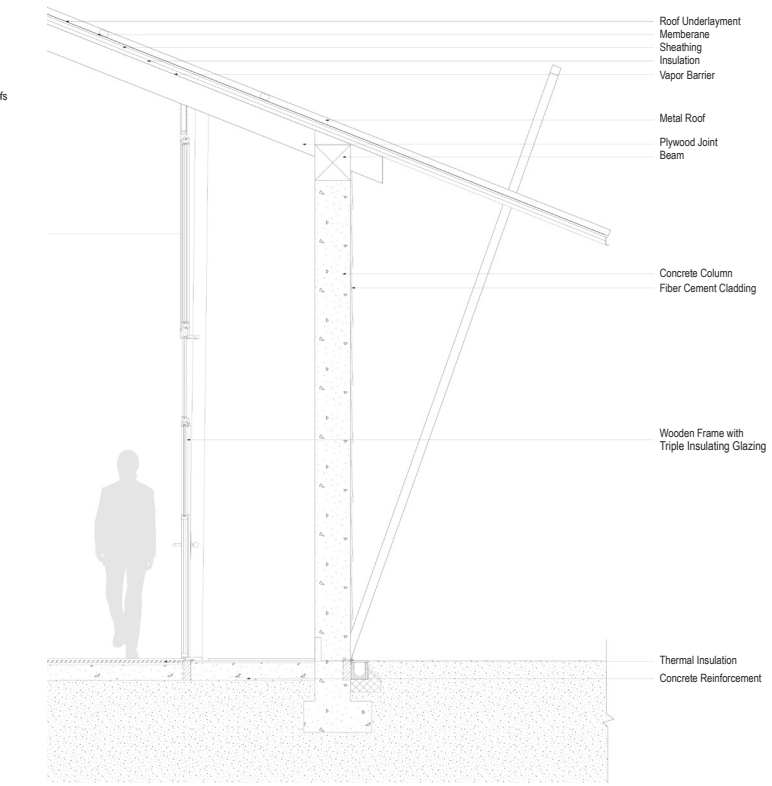
grid pull drag



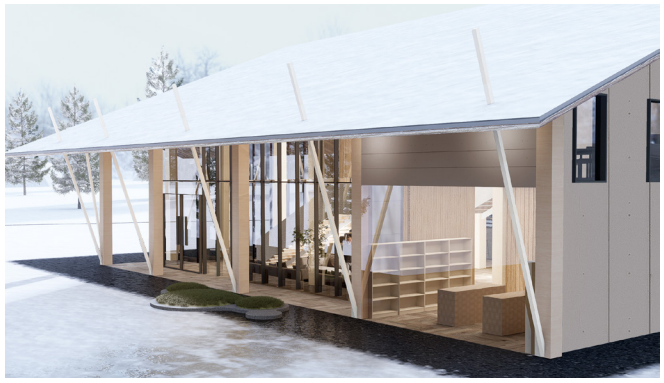
move push split



Level 2 Plan



Wall Section Detail



Renders

06

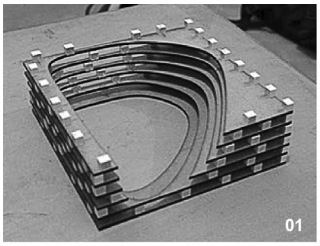
Lightwood House

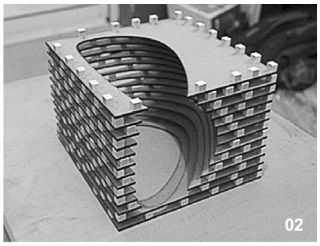
An Entity Construction for Stay and Rest

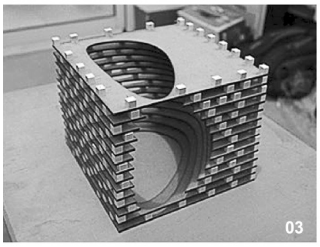
Internship Group Project (*Responsibility: designed and programmed the scripts for model, and assembled the model*)

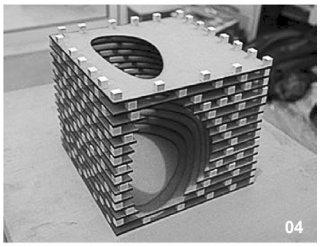
Summer 2021

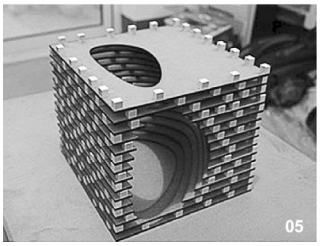
Instructor: Hua Wu, Lei Zhang

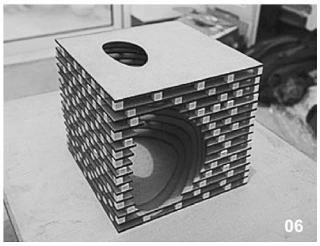




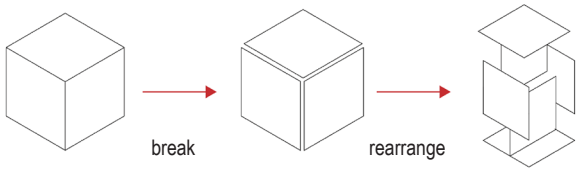


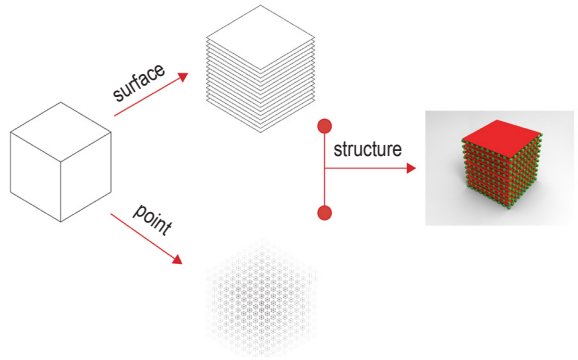


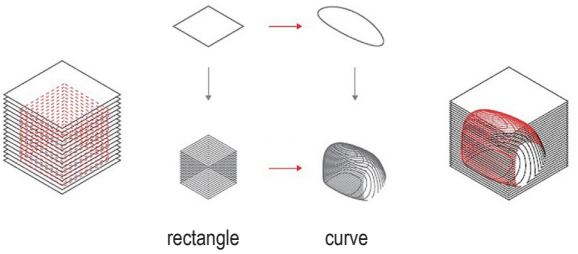


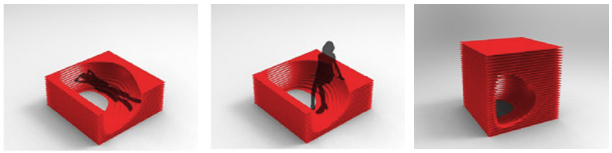


Small-Scale Model Photos

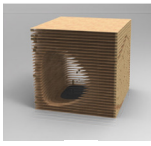


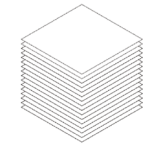


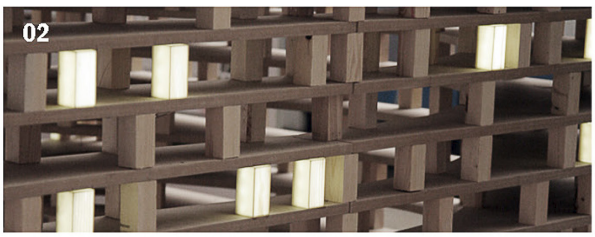


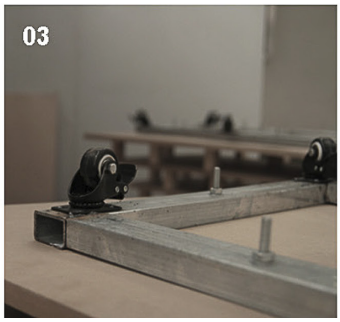


Form Analysis

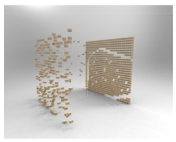


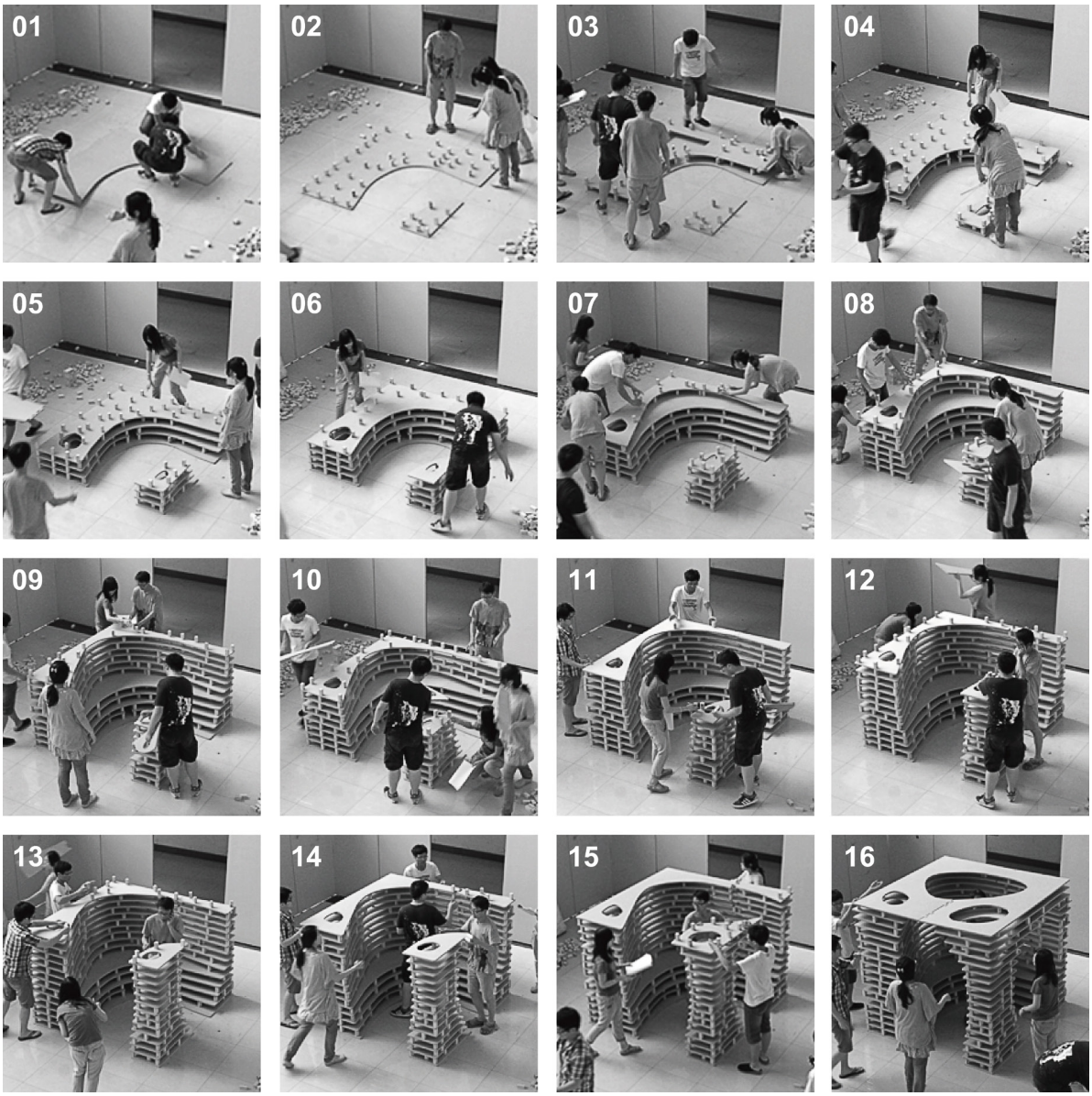




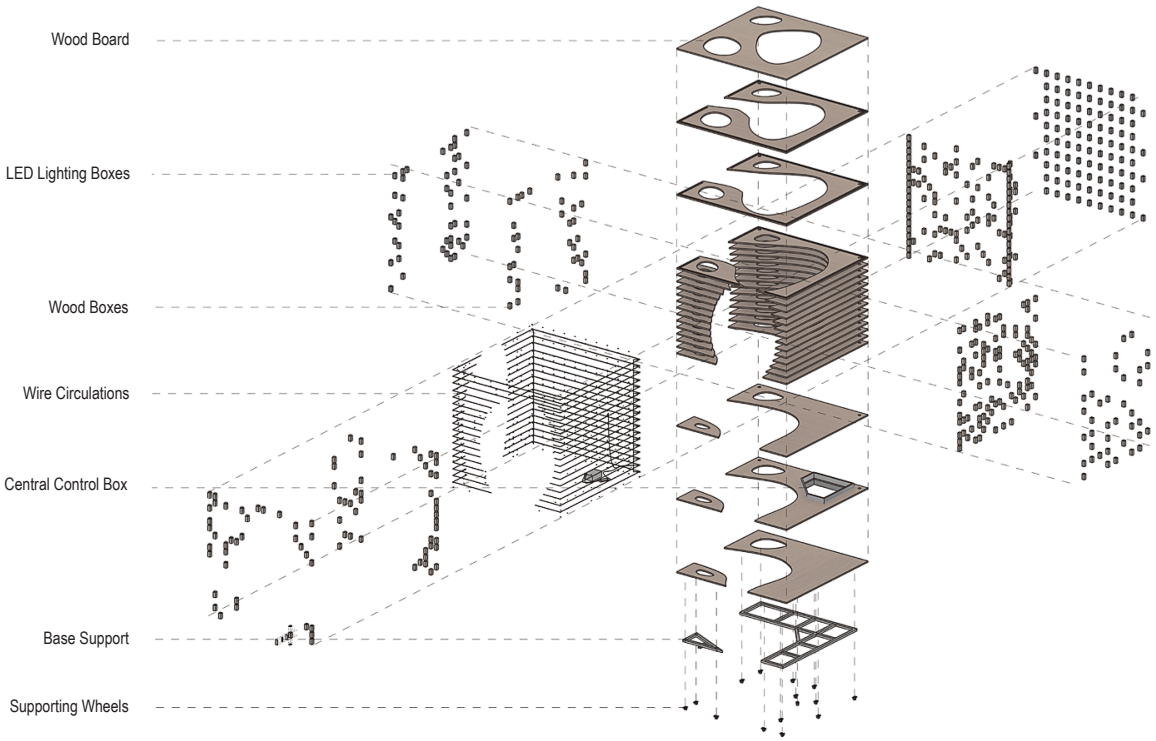


Full-Scale Model Photos





Processing Photos



Exploded Axonometric Diagram

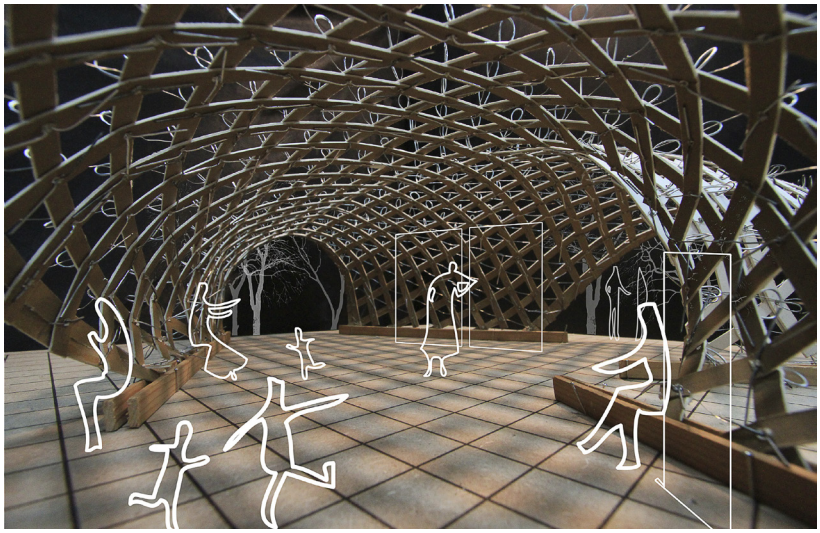
07

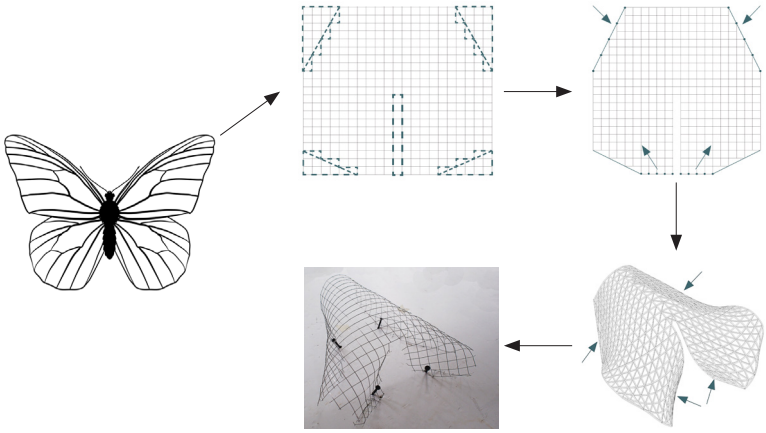
Leisure Pavilion

A Parametric Design Test for Light and Tangible Material

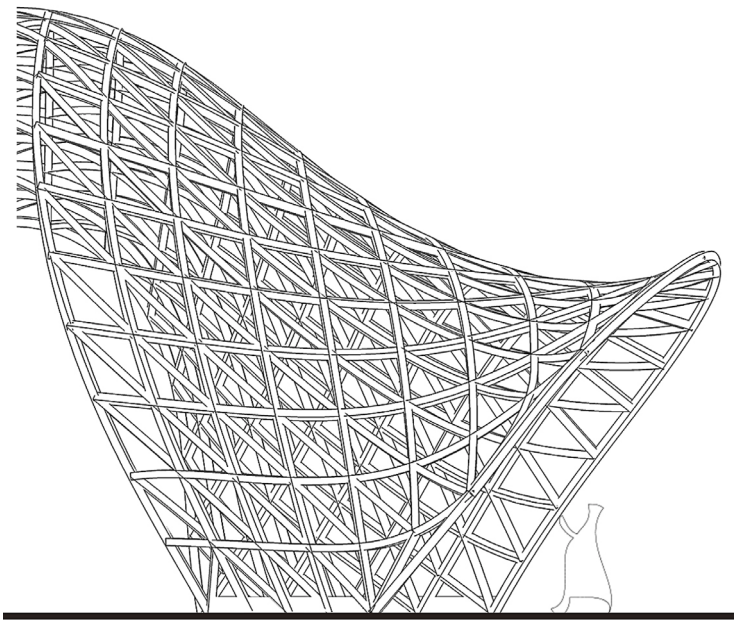
Individual Work, Summer 2020

Instructor: Li Chen, Niya Jones



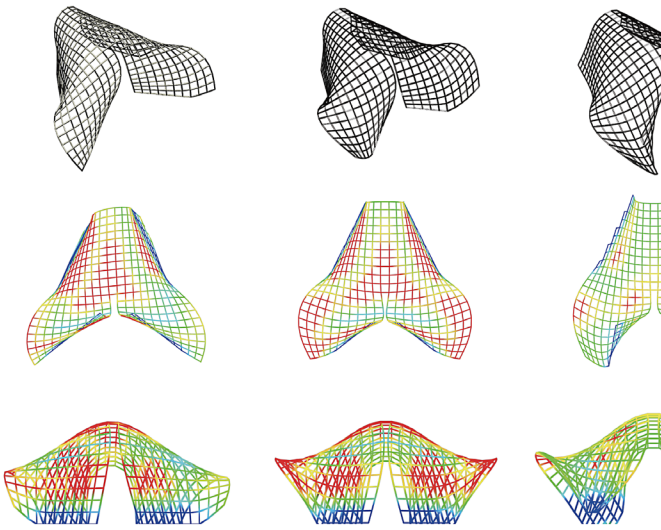


Form Analysis



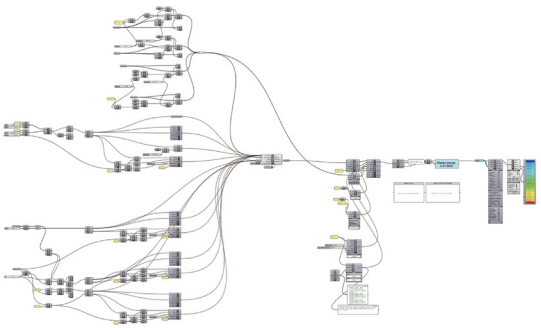
Zoom in Elevation

Mechanical Analysis 1



Form 1 Form 2 Form

Grasshopper Scripts



Display Le

<1cm

1-2cm

Fitness: Disp

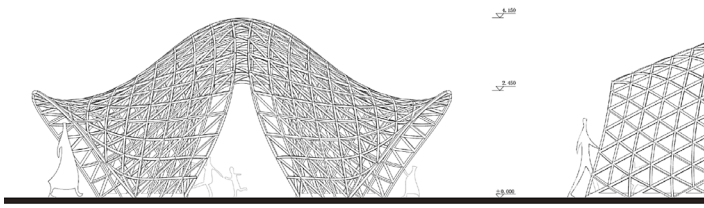
Loads: Grav

Support Poi

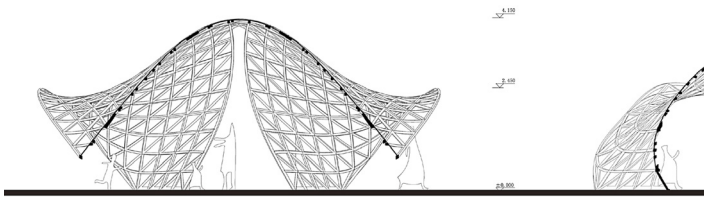
Material Sele

Beam Cross

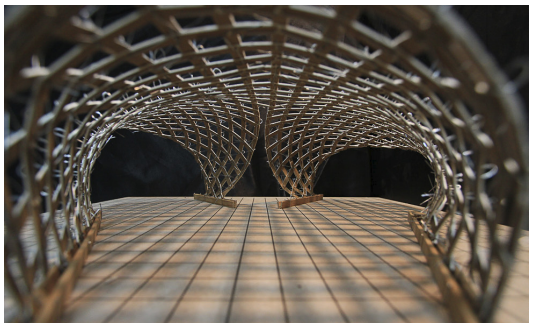
Bracing Cro



North Elevation

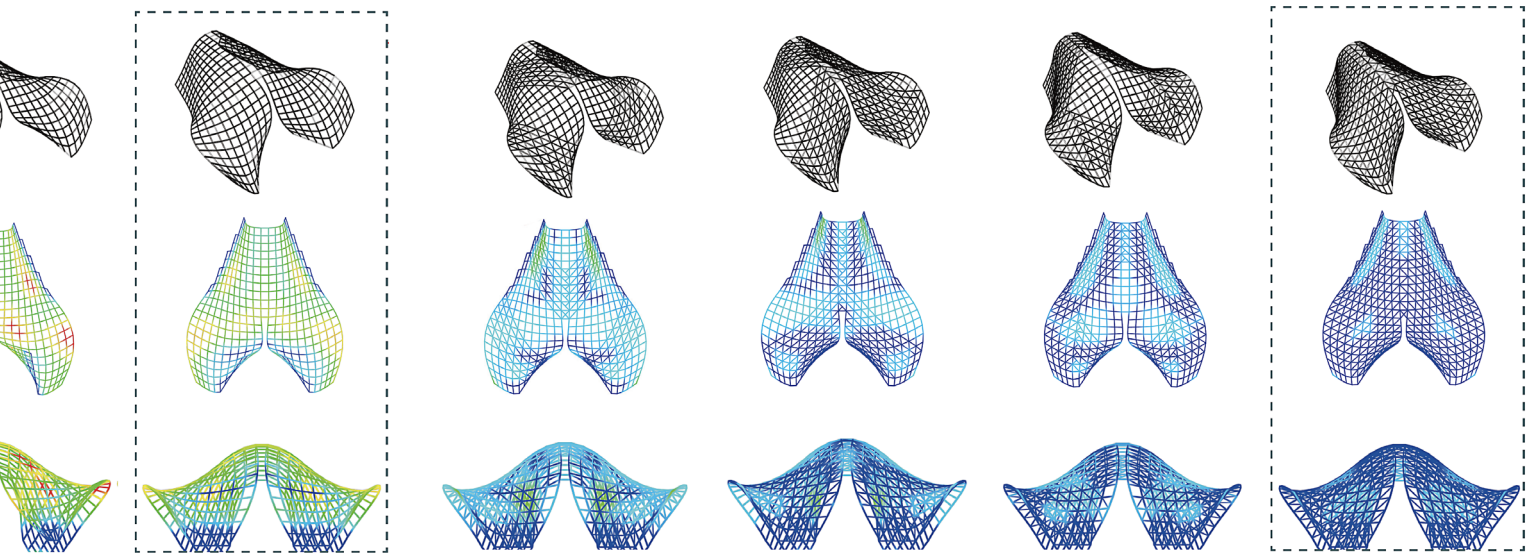


North Section



Zoom in Photos

Mechanical Analysis 2



n 3 | Form 4 | Form 1 | Form 2 | Form 3 | Form 4

egend

n 2-3cm >4cm

m 3-4cm

placement (cm)

ity & Line= 1KN/m

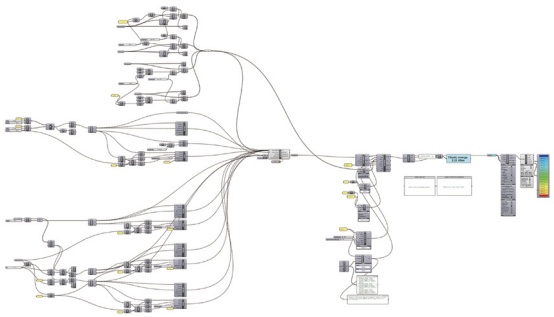
nts: 4 Choosen Lines around with 5,5,5,5 points.

ection: Wood E:1050 [kN/cm2]

Section: Square 5*6cm

ss Section: Square 5*4cm

Grasshopper Scripts



Display Legend

<1cm 2-3cm >4cm

1-2cm 3-4cm

Fitness: Displacement (cm)

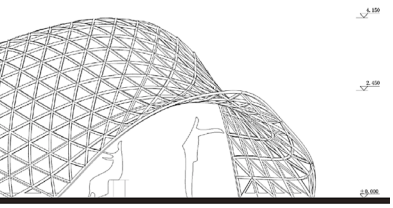
Loads: Gravity & Line= 1KN/m

Support Points: 4 Choosen Lines around with 5,5,5,5 points.

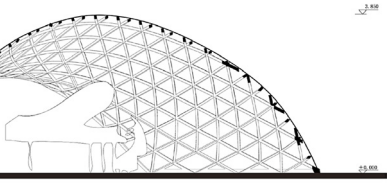
Material Selection: Wood E:1050 [kN/cm2]

Beam Cross Section: Square 5*6cm

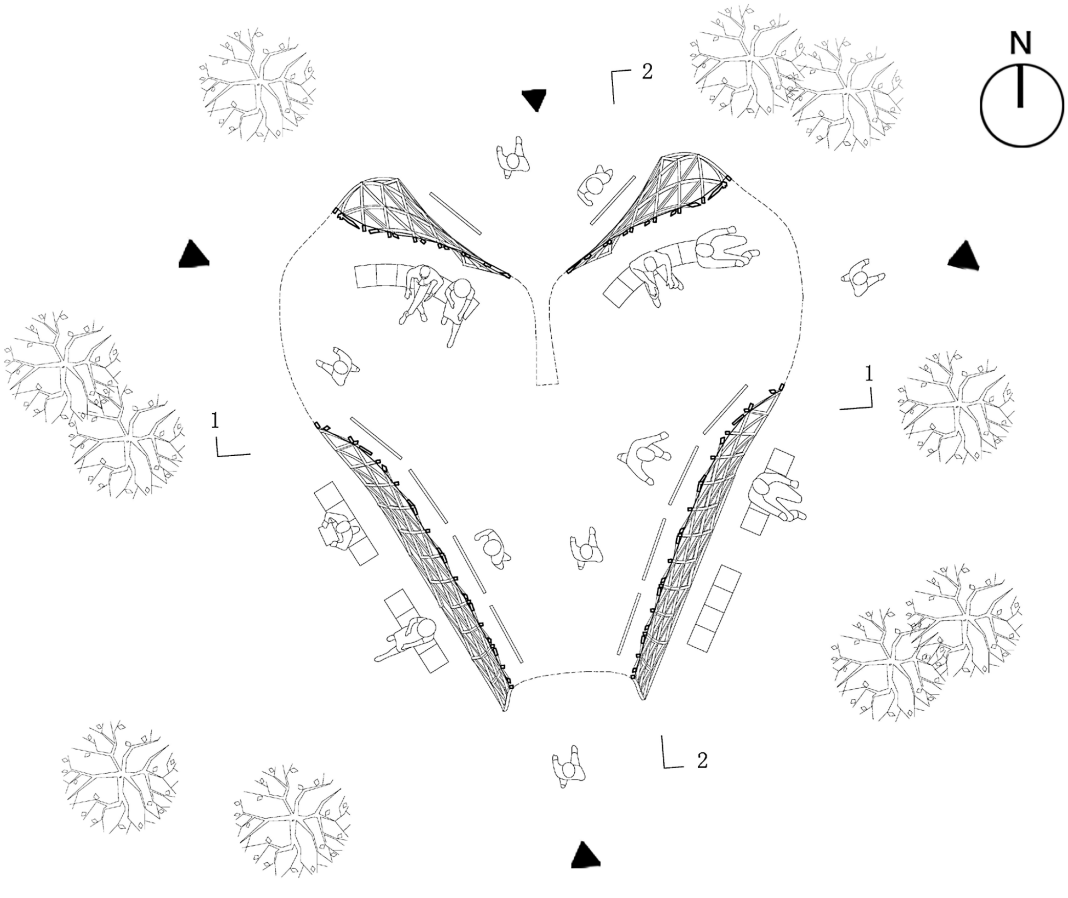
Bracing Cross Section: Square 5*4cm



East Elevation



West Section



Plans

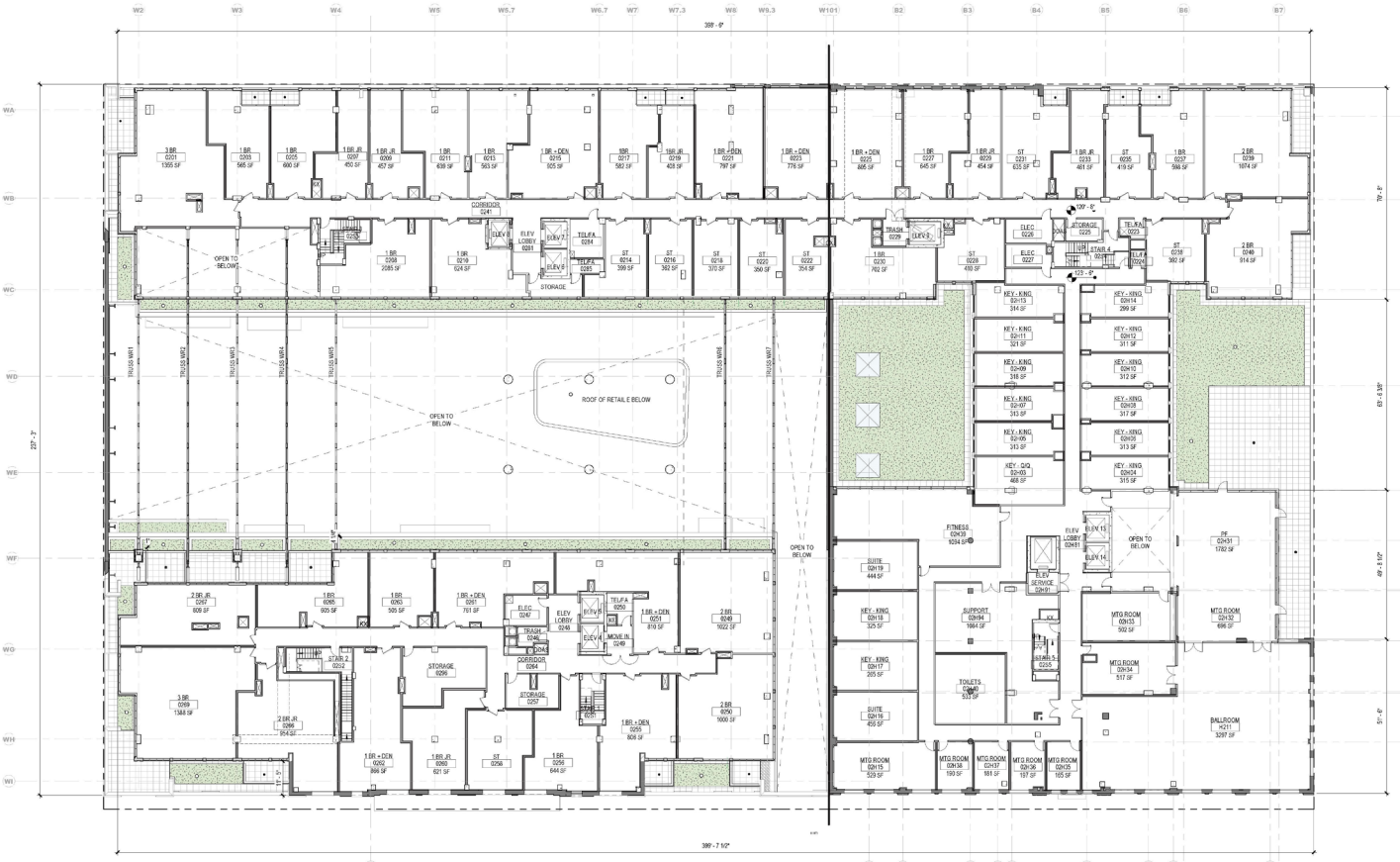
08

Professional Work (Selected)

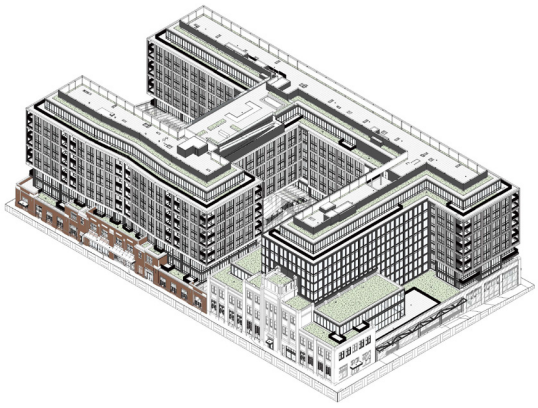
Work Samples Developed While Employed Full-Time (STUDIOS Architecture) Post-Graduation

Responsibilty: fixed models, drew completed plans for typical levels,drew sections, rendered images, created wall and window studies; created concept studies, created analysis diagrams and sections, rendered images

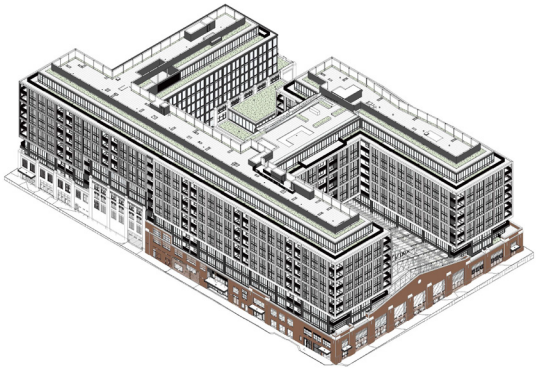
Summer 2023 - Summer 2024



Overall Plan for Level 2

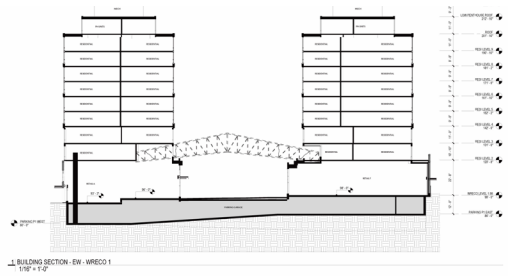


AXON - NORTHEAST CORNER

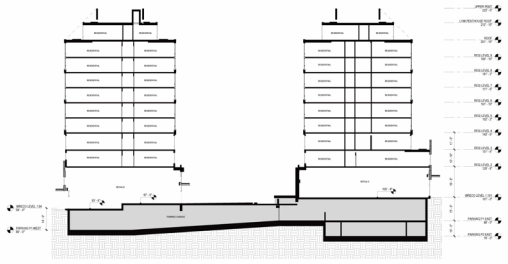


AXON - SOUTHWEST CORNER

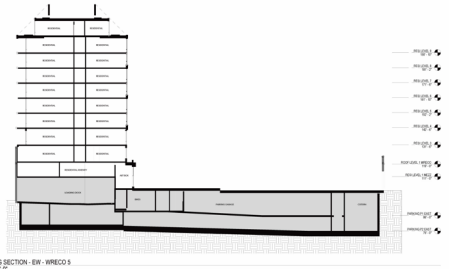
Axonometric View



1 BUILDING SECTION - EW - WRECO 1
1/16" = 1'-0"

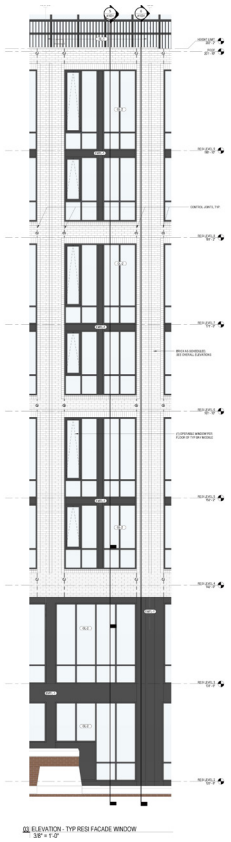


2 BUILDING SECTION - EW - WRECO 2
1/16" = 1'-0"



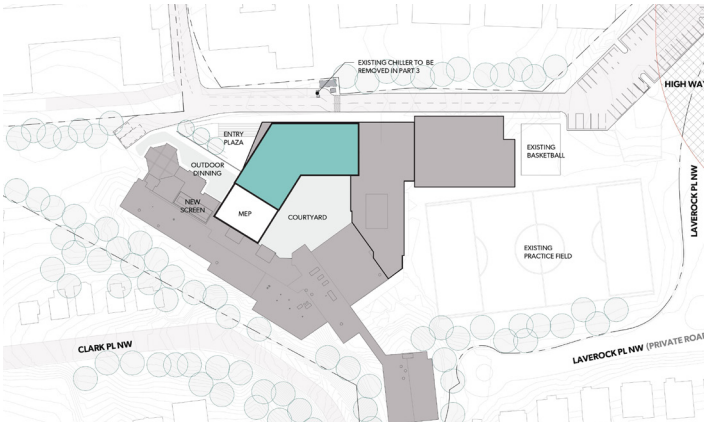
5 BUILDING SECTION - EW - WRECO 5
1/16" = 1'-0"

Building Sections

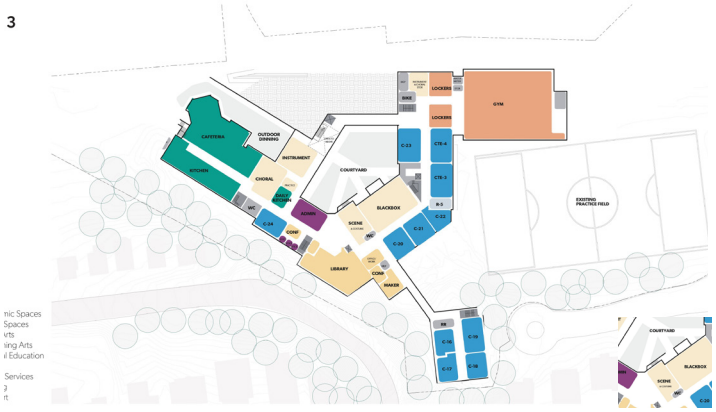


03 ELEVATION - TYP RESI FACADE WINDOW
3/8" = 1'-0"

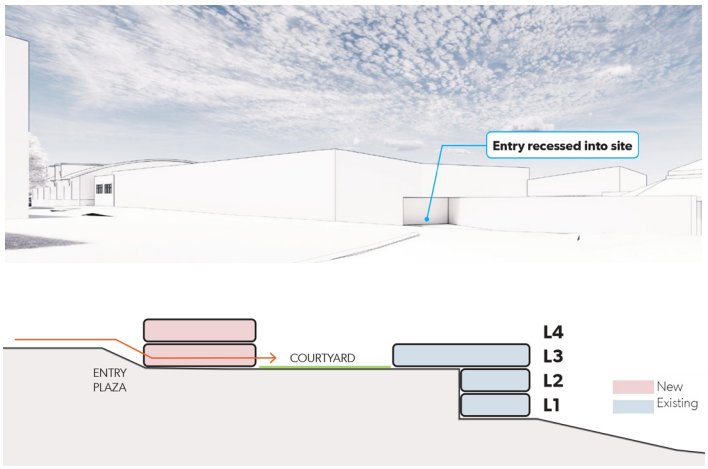
Elevation (Window Type)



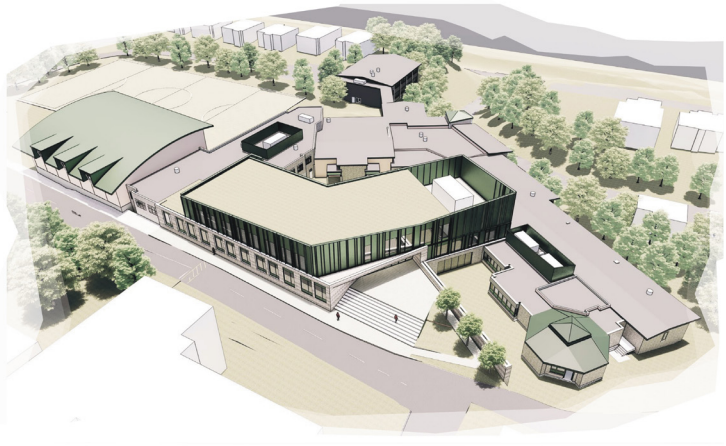
Site Plan



Planning Development



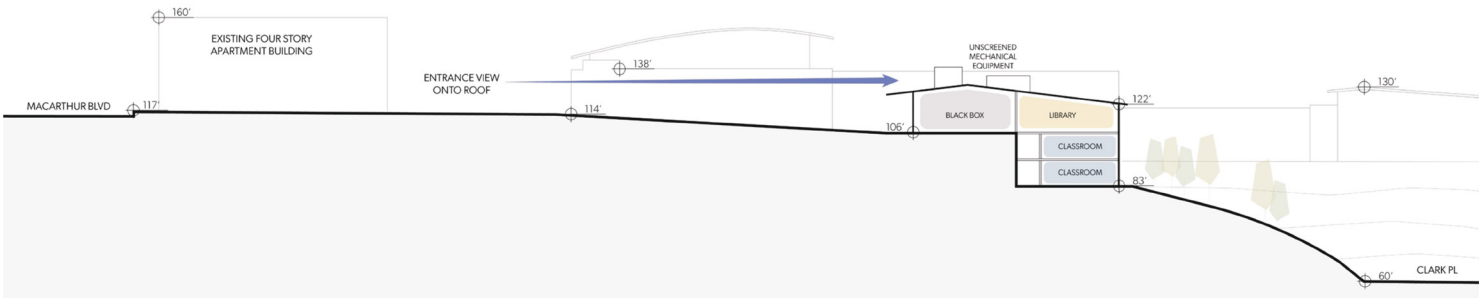
Massing Development Diagram (SD Phase)



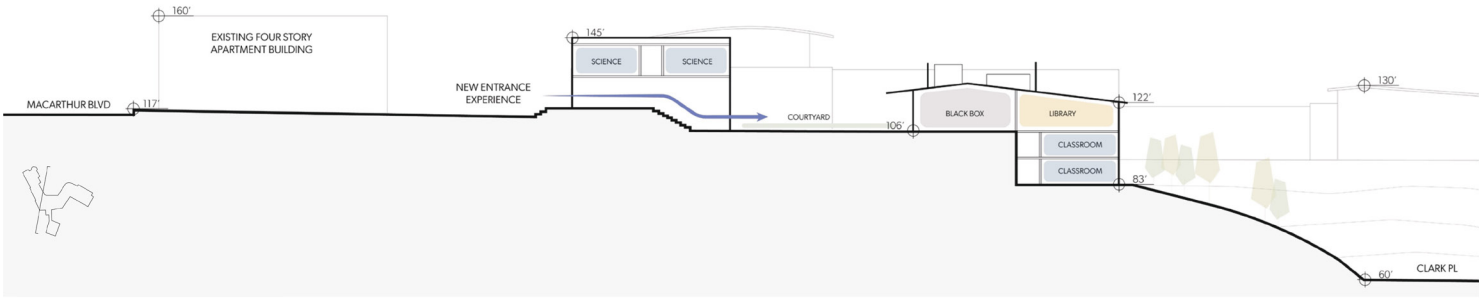
Massing Development Rendering (SD Phase)

Existing Rendering

SD Development Rendering



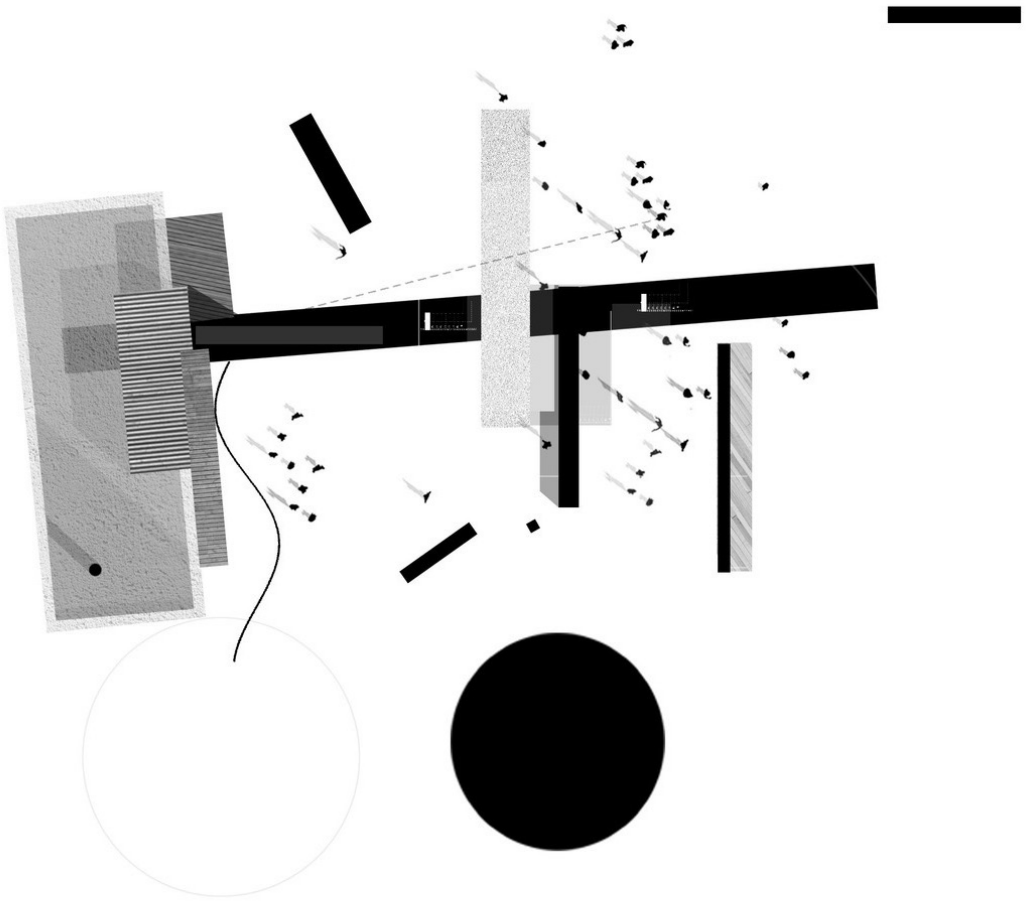
Existing Section



Proposed Section

Fang (Frank) Sun

Selected Works from 2019-2024



Complete High-Resolution Portfolio