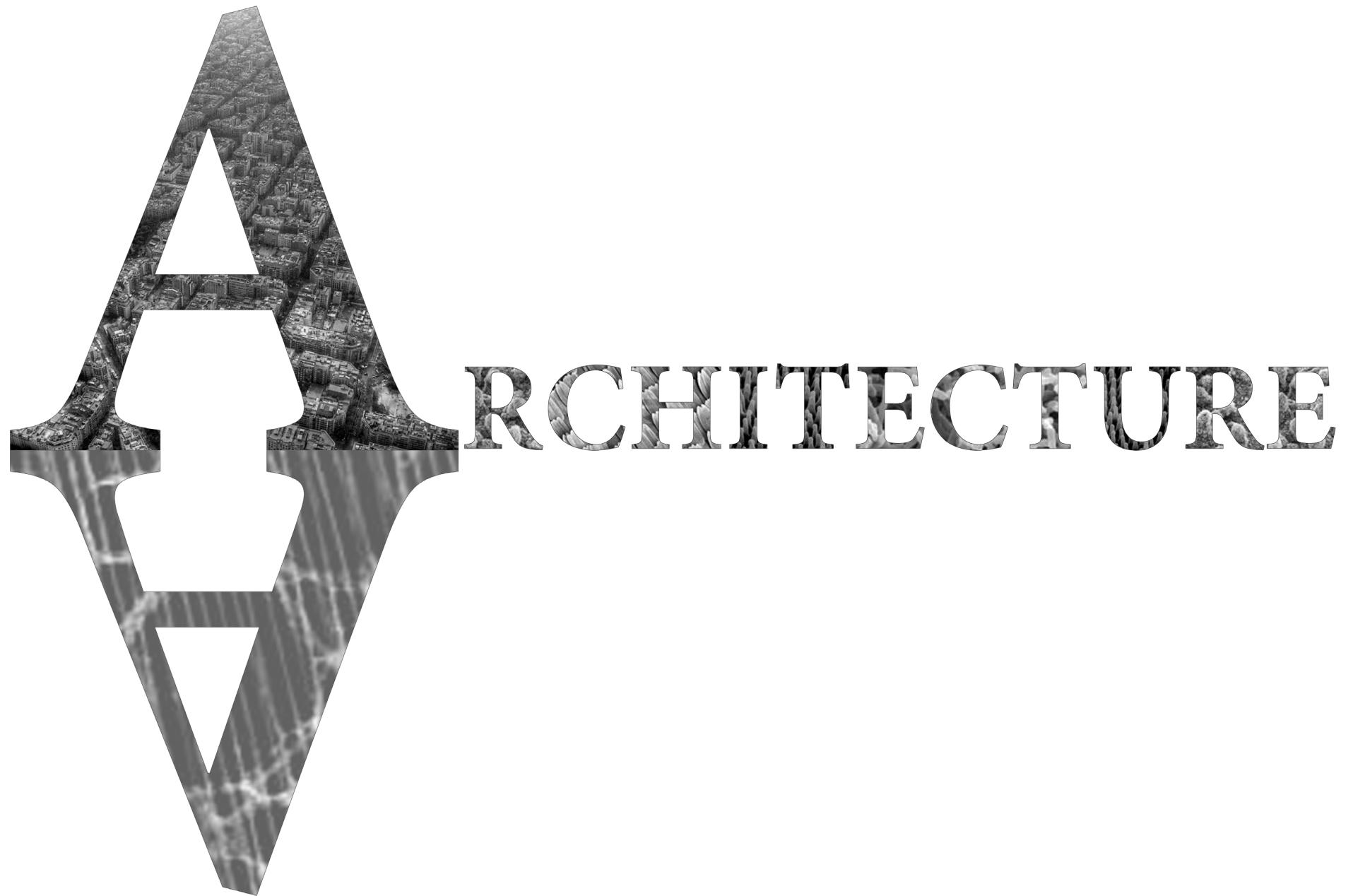
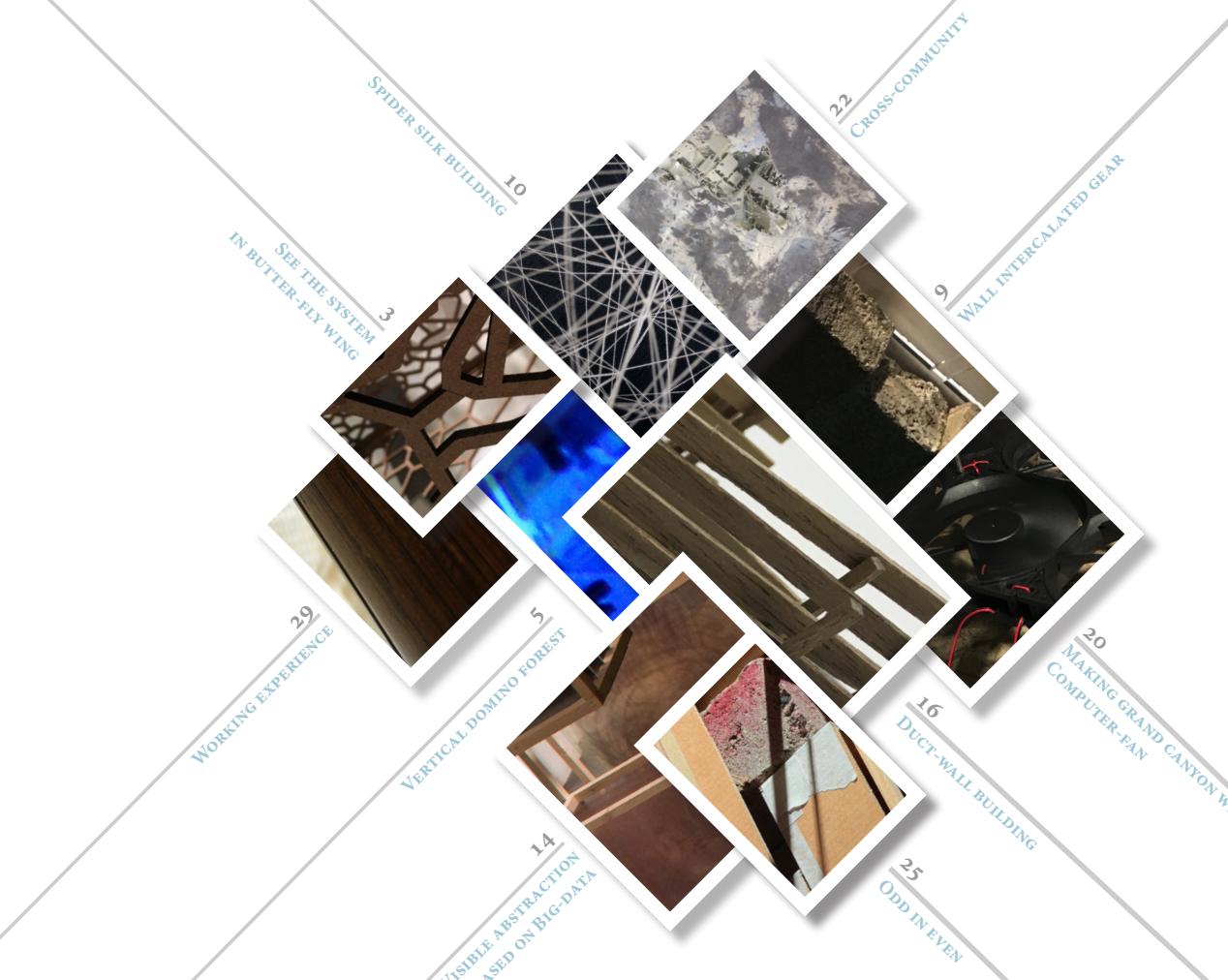


ARCHITECTURE

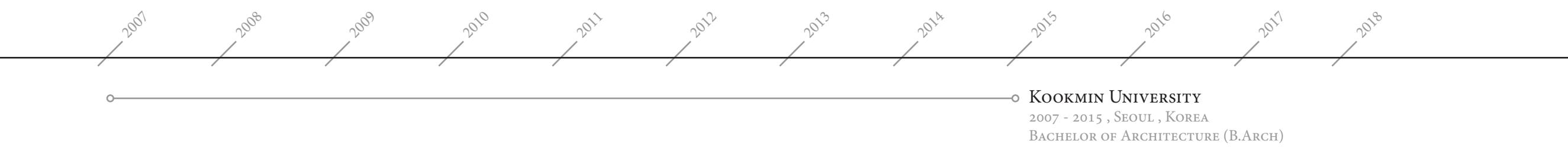
The word "ARCHITECTURE" is displayed in a large, bold, sans-serif font. The letter "A" is unique, featuring a grayscale aerial photograph of a dense urban cityscape where the buildings and streets form the outline of the letter. The remaining letters "RCHITECTURE" are filled with a dark, grainy texture that resembles a close-up of a city's architectural details or a textured material.

PORTFOLIO
SELECTED WORK 2013 - 2018
JUNHO CHOI





/EDUCATION



JUNHO CHOI

E-mail: m.akijunho@gmail.com
Portfolio : issuu.com/junhochoi68
Linkedin : <https://www.linkedin.com/in/makijunho/>

A five-year Bachelor in Architecture graduate from Kookmin University in Seoul, Korea. I have experiences in executing well-developed academic projects and intern experiences in 3D modeling and planning at several architecture firms as well as in commercial interior design projects like working on Burberry Flag Shop with a major interior design firm. I am interested in designing well-balanced sustainable buildings as solving architectural issues by fusing theories and applications from other academic fields like electrical engineering or advanced material engineering.

/EMPLOYMENT

— ELEGANCE INTERIOR
JAN - FEB (1 MON), 2008, SEOUL, KOREA
DESIGN TEAM ASSISTANT
RENOVATION INTERIOR DESIGN FOR HYATT HOTEL SUITE ROOMS.
UNDERSTANDING A MANUFACTURING PROCESS IN INTERIOR DESIGN.
DEVELOPING ENGLISH COMMUNICATION SKILLS WITH WORKING WITH PARTNERS ABROAD.

— GANSAM ARCHITECTS & PARTNERS
STUDENT INTERNSHIP
AUG - SEP (2 MON), 2013, SEOUL, KOREA.
WORKING ON CONSTRUCTION SITES.
MANAGING ARCHITECTURAL AUTHENTICATION PROCESS.
DEVELOPING COMMUNICATION SKILLS WITH CLIENTS.
ENHANCING PRESENTATION SKILL .

— TOM BROCK ARCHITECT
STUDENT INTERNSHIP
JUN - AUG (3 MON), 2017, CHICAGO, USA.
WORKING ON CAF (CHICAGO ARHCITECTURE FOUNDATION) PROJECT : BETWEEN STATES
MAKING GARDEN DESIGN IN MONTESSORI

— CRE-ID INTERIOR DESIGN
MAR - NOV , 2015, SEOUL, KOREA
DRAWING OUT EXECUTION PLANS.
ACQUIRING FABRICATION METHOD OF ALUMINUM PLATE, WOOD AND STAINLESS.

/PREFERENCES

THOMAS E. BROCK
STUDIO ASSOCIATE PROFESSOR, MASTER OF ARCHITECTURE
2ND YEAR COORDINATOR.
F. 312.567.5820 / E. BROCK@IIT.EDU
WWW.THOMASBROCK.COM

PENG DU
VISITING ASSISTANT PROFESSOR 3RD YEAR COORDINATOR.
CHINA OFFICE DIRECTOR, CTBUH
P. 312.283.5646 / E. PDU@CTBUH.ORG / WWW.CTBUH.ORG

ANTONY WOOD
RESEARCH PROFESSOR OF TALL BUILDING, EXECUTIVE DIRECTOR OF CTBUH
F. 312.567.5820 / E. WOOD@IIT.EDU

/HONORS

GRADUATION WITH HONORS / 2015, KOOKMIN UNIVERSITY, SEOUL, KOREA

SPECIAL PRIZE / 2013, BUCHEON CITY PARK DESIGN COMPETITION, BUCHEON, KOREA

ADMISSION FROM IIT WITH SCHOLARSHIP / 2016, ILLINOIS INSTITUTE OF TECHNOLOGY

BEST IN SHOW M.ARCH 2 / 2017, ILLINOIS INSTITUTE OF TECHNOLOGY

BROTHERS FINFER SCHOLARSHIP / 2017, BROTHER FINFER SCHOLARSHIP FOUNDATION IN IIT

/EXHIBITION & PUBLICATION

E. ARTWORK SHOW / 2008, SHELTER GROUP PROJECT.

P. TRANS CULTURATION / 2009, PARTICIPATED IN PUBLICATION OF THE OFFICIAL BOOK OF KOOKMIN UNIVERSITY ARCHITECTURE EXPO.

P. BA DISSERTATION / 2014, INTEGRATIVE ARCHITECTURE.

E. ARTWORK SHOW / 2015, GROUP WORK ON A THEME OF BIG DATA TITLED AS COLLABORATIVE PROJECT AT BROOM GALLERY.

E. BETWEEN STATES / 2017, ARCHITECTURE BIENNALE EXHIBITION AT CAF BUILDING LOGAN SQUARE SECTION : PROPOSAL DESIGN

E. OPEN HOUSE SPRING / 2017, EXHIBITION WORK RELATED TO END OF YEAR PROJECT

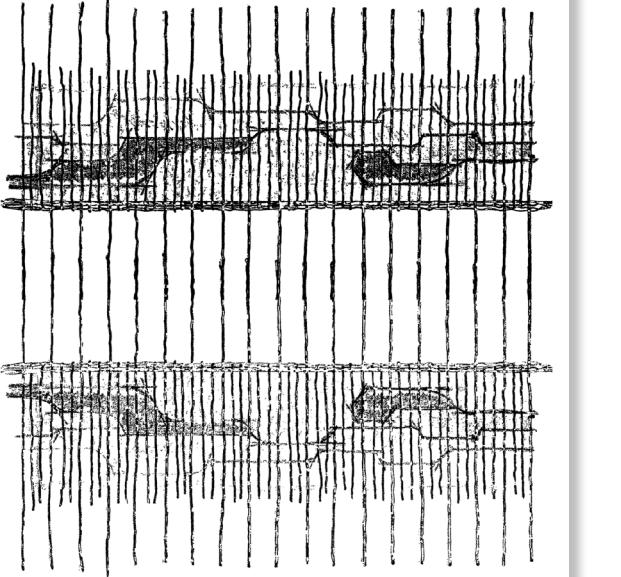
/SKILLS

RHINO	<div style="width: 80%;"></div>	AUTOCAD	<div style="width: 80%;"></div>
3D PRINTING	<div style="width: 70%;"></div>	PHOTOSHOP	<div style="width: 70%;"></div>
GRASSHOPPER	<div style="width: 70%;"></div>	INDESIGN	<div style="width: 70%;"></div>
RHINO V-RAY	<div style="width: 70%;"></div>	ILLUSTRATOR	<div style="width: 70%;"></div>
ARDUINO	<div style="width: 70%;"></div>	REVIT	<div style="width: 70%;"></div>
3D MAX	<div style="width: 70%;"></div>	MS OFFICE	<div style="width: 70%;"></div>
SKETCH UP	<div style="width: 70%;"></div>	QGIS	<div style="width: 70%;"></div>

CLOUD MARKET AT BRONZEVILLE

GRADUATE ARCHITECTURE GROUP PROJECT [2017]

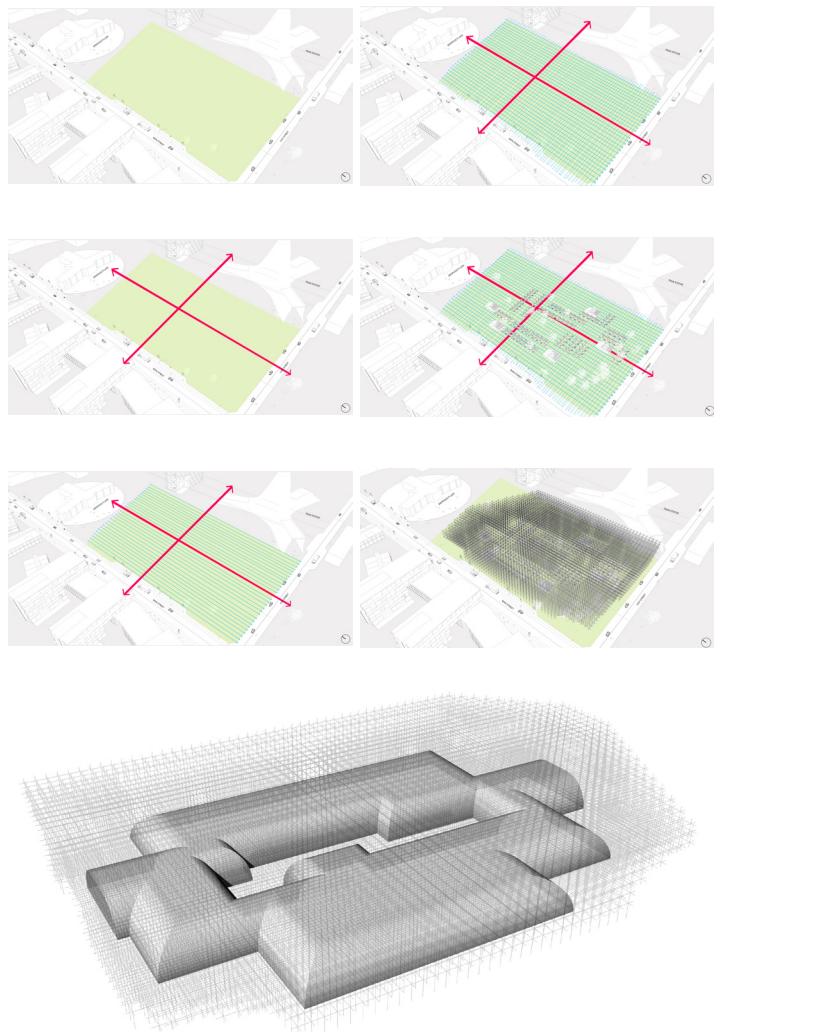
NAME — JUNHO CHOI, LUIS, HENRY
ILLINOIS INSTITUTE OF TECHNOLOGY — M.ARCH 2ND YEAR ACADEMIC
PROJECT
SUPERVISOR — THOMAS BROCK
FUNCTION — URBAN MARKET
PERIOD — 5 MONTHS - FROM JAN. 2017 TO MAY. 2017



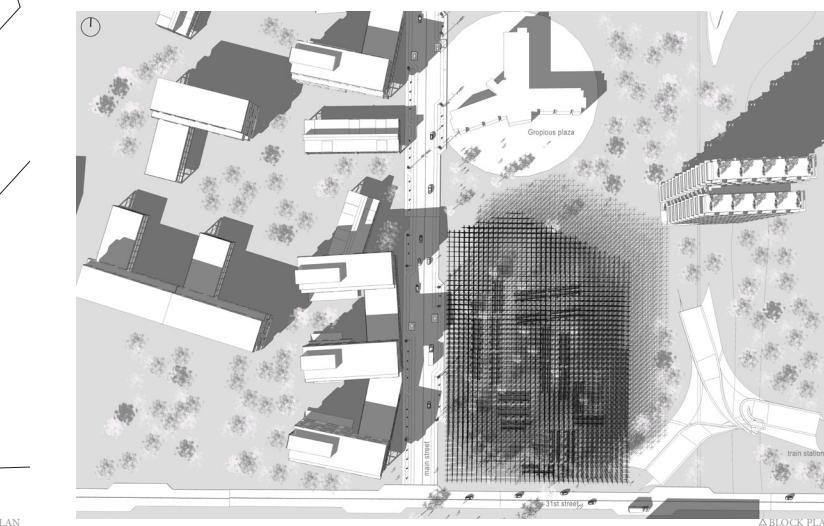
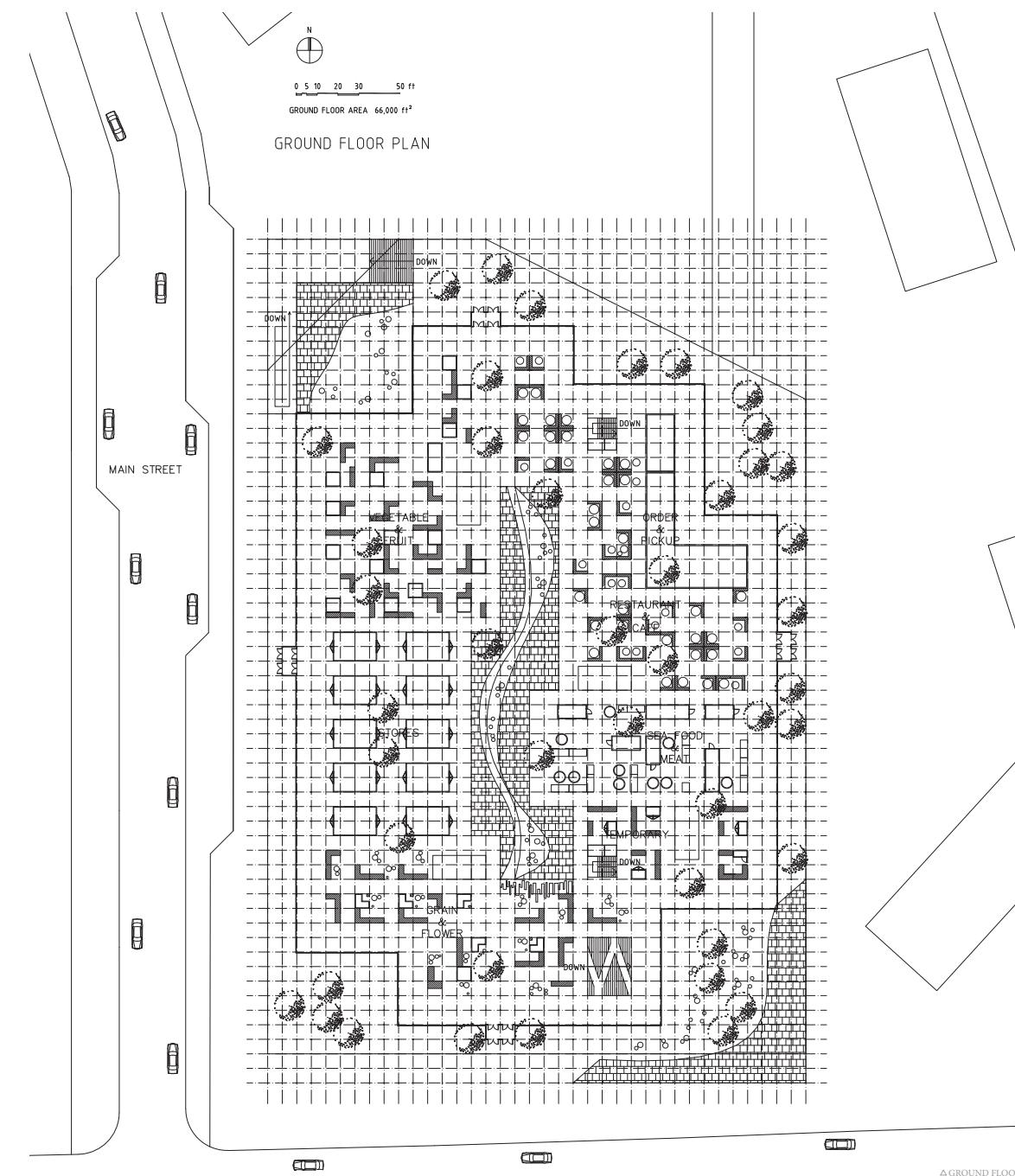
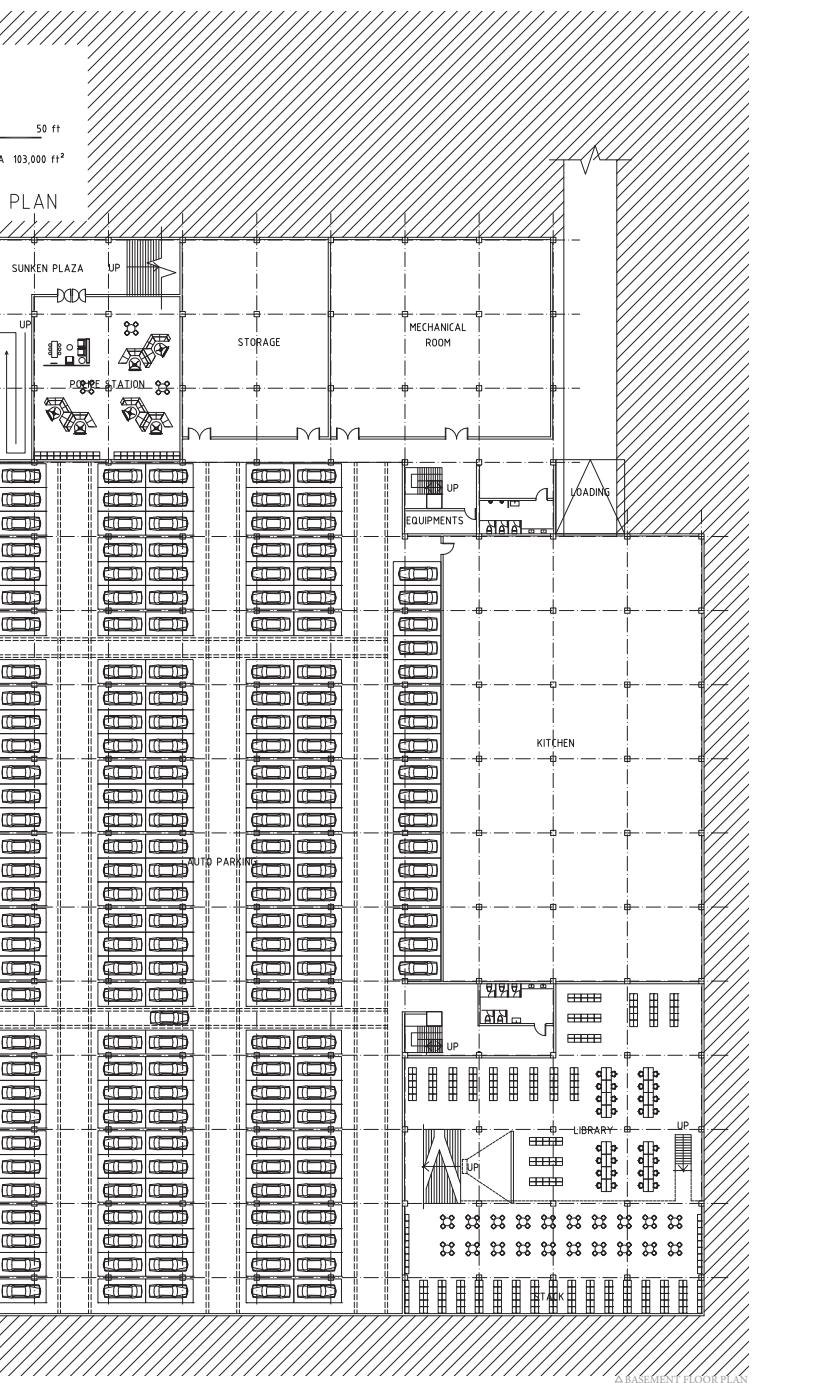
THE CLOUD MARKET & PUBLIC LIBRARY AIMS TO CREATE AN HYBRID BUILDING COMBINING BOTH THE MOTION AND COLOR OF A MARKET AND A PLACE OF GATHERING KNOWLEDGE AND FOCUS OF A LIBRARY. THE PROJECT IS LOCATED ON THE SOUTH OF THE NEIGHBORHOOD AND IS A NATURAL CONNECTOR BETWEEN 31ST STREET AND GROPIUS PLAZA IN THE NORTH. IT ALSO CONNECTS THE TRAIN STATIONS WITH THE COMMERCIAL AREA ON THE WEST OF THE NEIGHBORHOOD. SINCE IS THE FIRST BUILDING THAT VISITORS SEE FROM THE SOUTH SIDE OF THE NEIGHBORHOOD THE PROJECT AIMS TO ACHIEVE CERTAIN TRANSPARENCY AND POROSITY SO THE MARKET CAN BECOME A PORTAL FROM NORTH TO SOUTH AND EAST TO WEST.

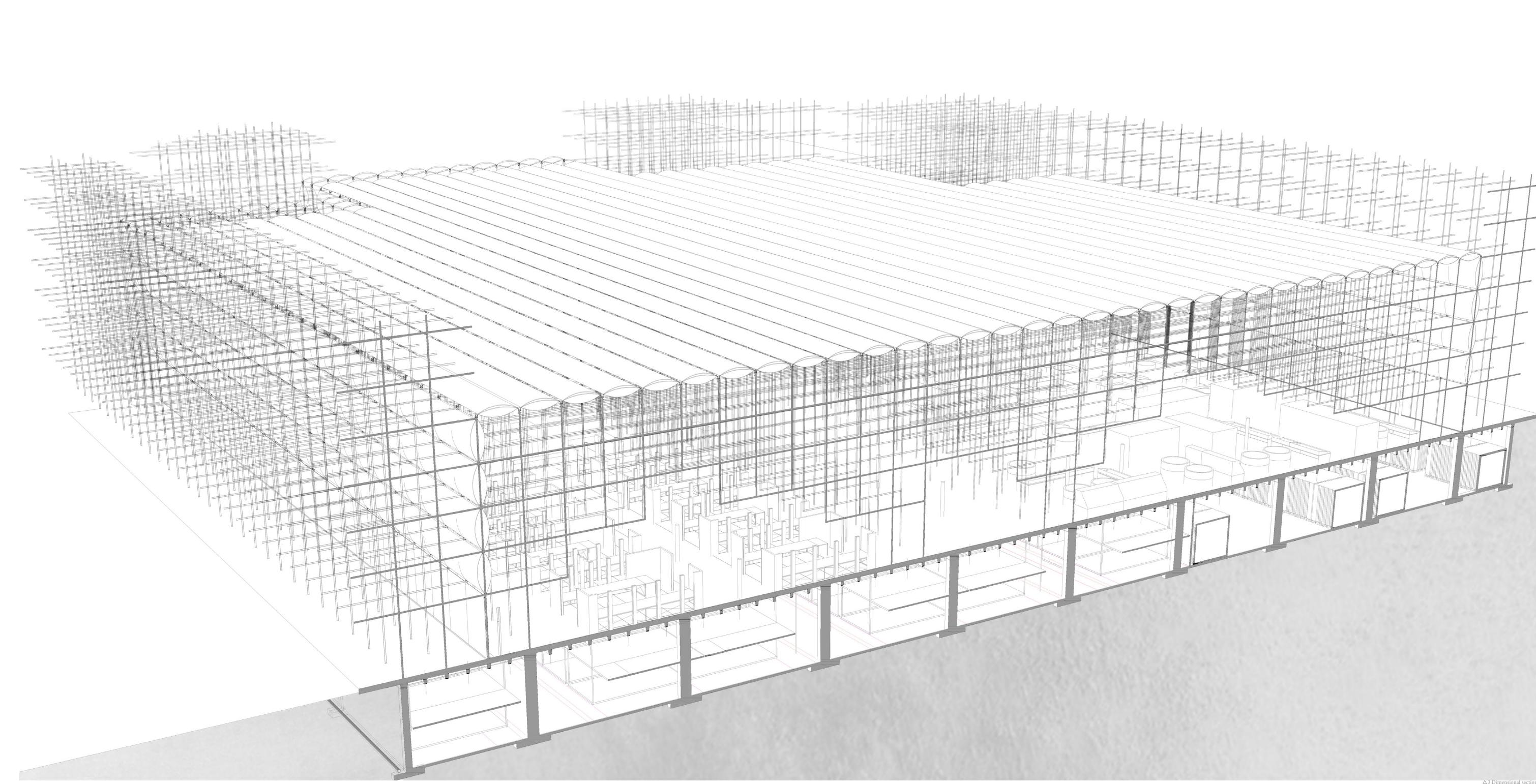


DESIGN STRATEGY AND PLAN

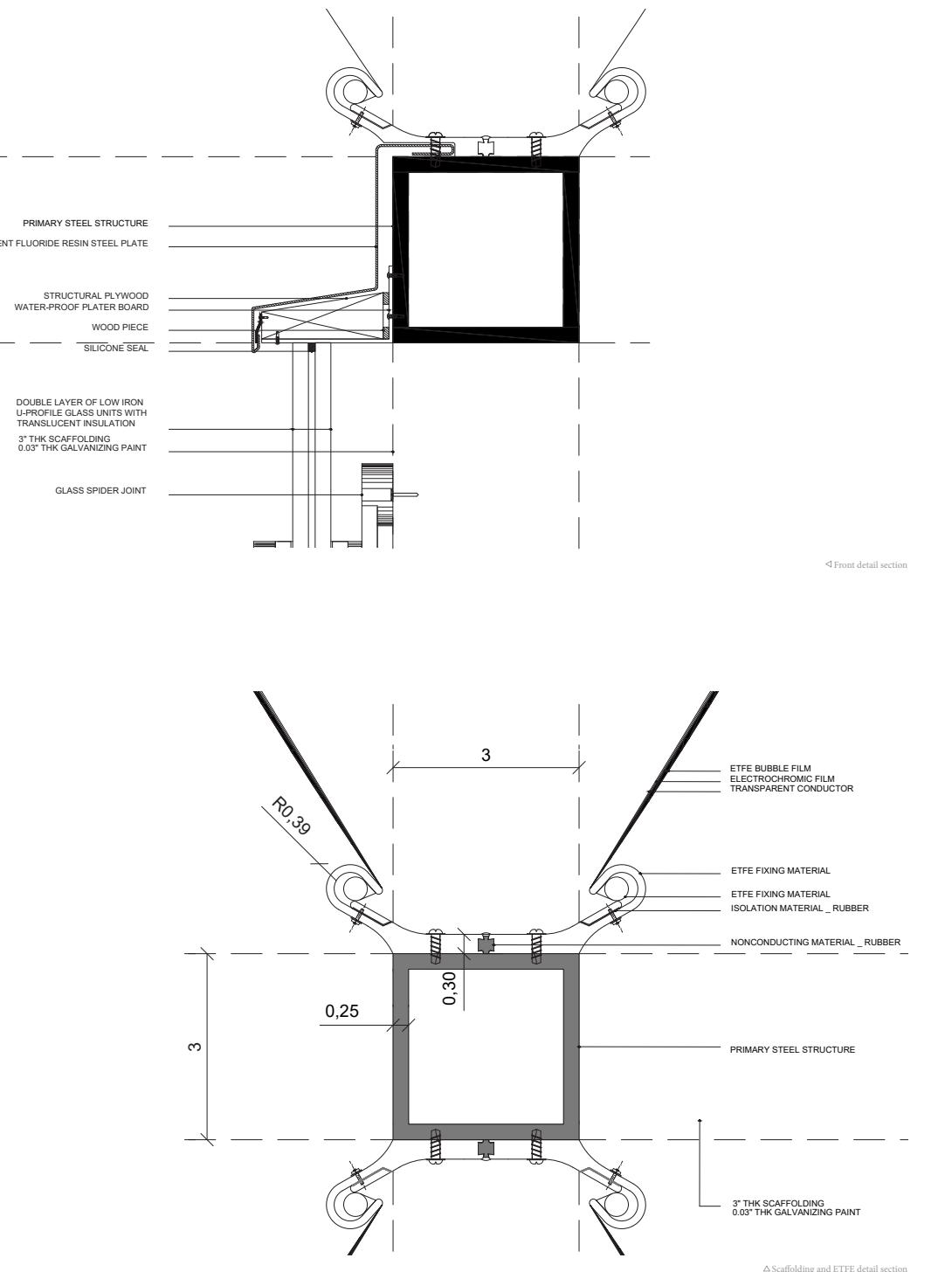


THE CLOUD MARKET AT BRONZEVILLE AIMS TO BECOME A PORTAL BETWEEN THE FOUR SIDES OF THE SITE. THE BUILDING MIMICS THE FORM OF A POROUS SPONGE/ CLOUD, AN ELEMENT OF TRANSPARENCY WHERE PEOPLE CAN COMMUTE TO EVERY PART OF THE NEIGHBORHOOD. THE ETFE FAÇADE WITH THE 3"X3" STEEL STRUCTURAL MODULE ALLOWS A FLUID CIRCULATION AS THE MARKETPLACE SUGGESTS AND THE LANDSCAPE DESIGN IS A CONTINUITY OF THE SAME EXTERIOR OF GROPIUS PLAZA AND MAIN STREET, GIVING THE USERS THE SENSATION OF BEING UNDER AN OPEN PAVILION AND NATURAL FOREST. THE LIBRARY IS LOCATED IN THE BASEMENT ON THE SOUTH SIDE OF THE PROJECT.

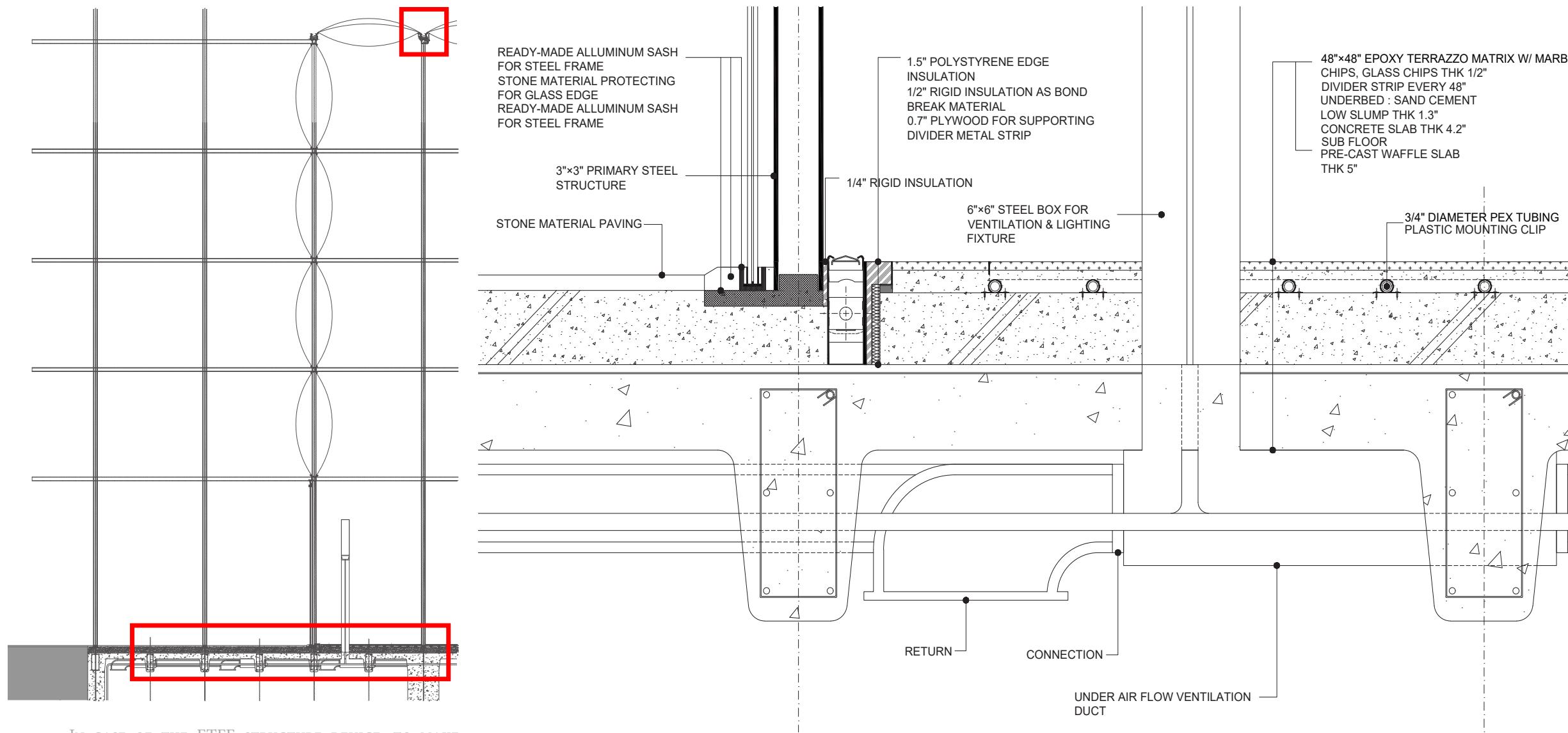




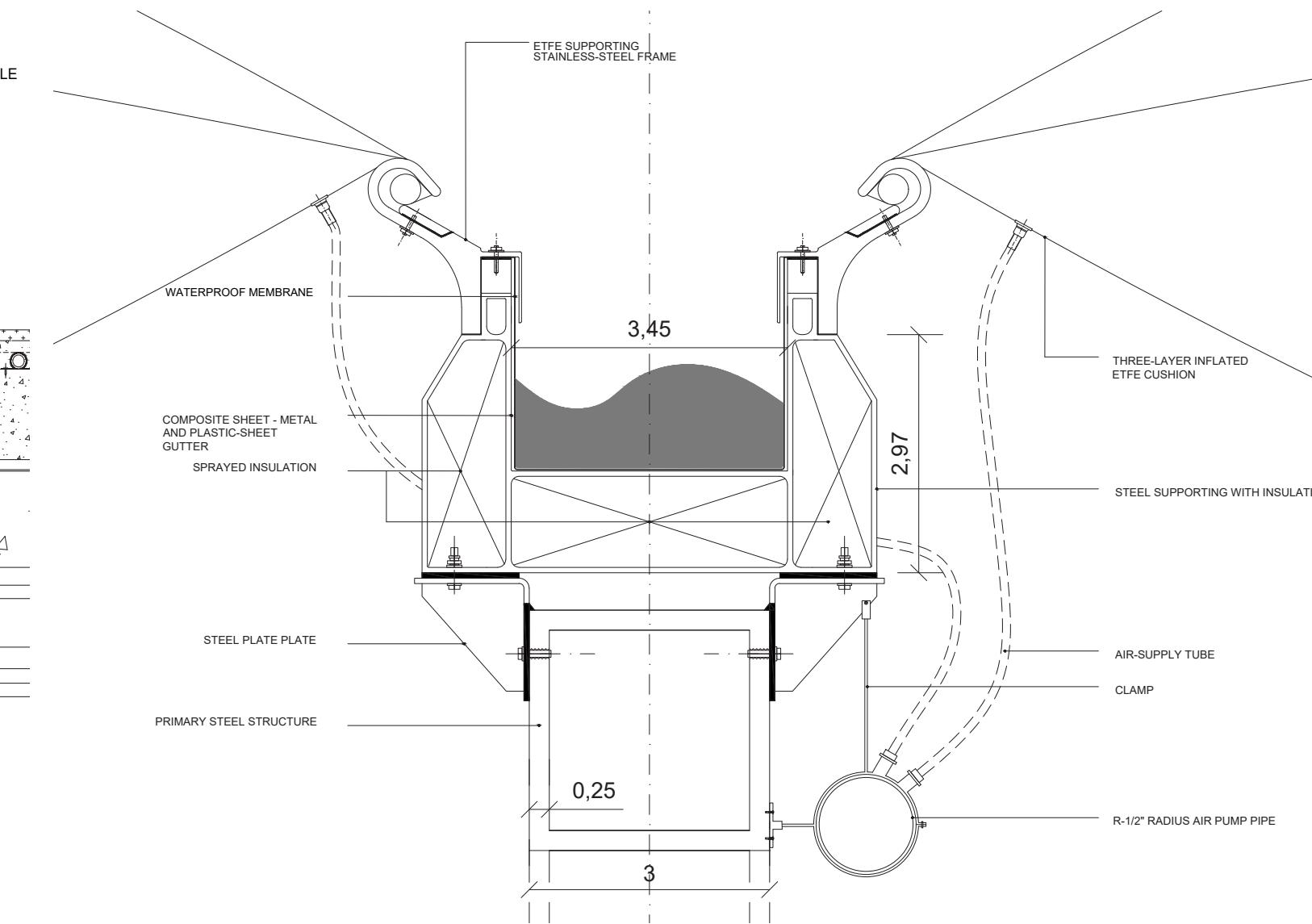
△ 3 Dimensional section drawing



scanning and TFFE detail

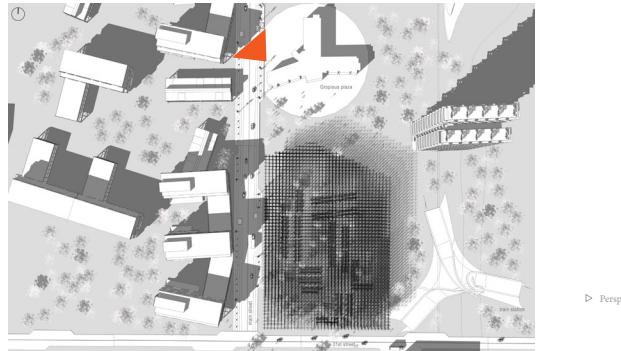


IN CASE OF THE ETFE STRUCTURE DEVICE, TO MAKE MINIMIZE, WE SHOULD MAKE OPTIMAL SHAPE FOR THE 3 BY 3 INCHES SCAFFOLDING. ALSO, IN TERMS OF THE WATER GUTTER, WE CUSTOMALLY MAKE STRUCTURE FOR GUTTER ON THE ROOF. BECAUSE TRIBUTARY AREA IS HUGE SO ROOF DIVIDES 4 PART, AND WE COULD BE MAKE SMALL SIZE FOR THE GUTTER.



Floor detail section

Floor detail section



▷

Perspective view

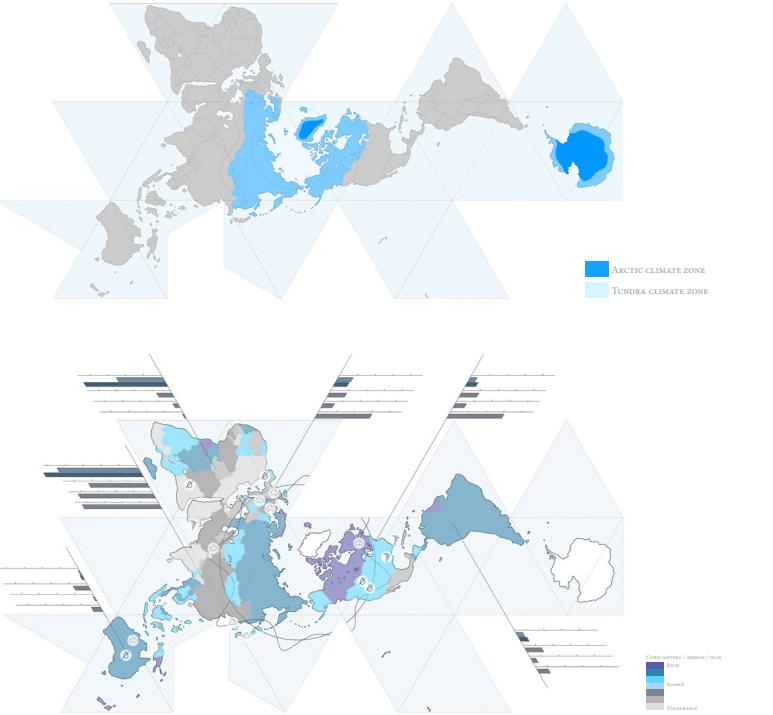


URBAN BRIDGE GENERATING ICESHEET

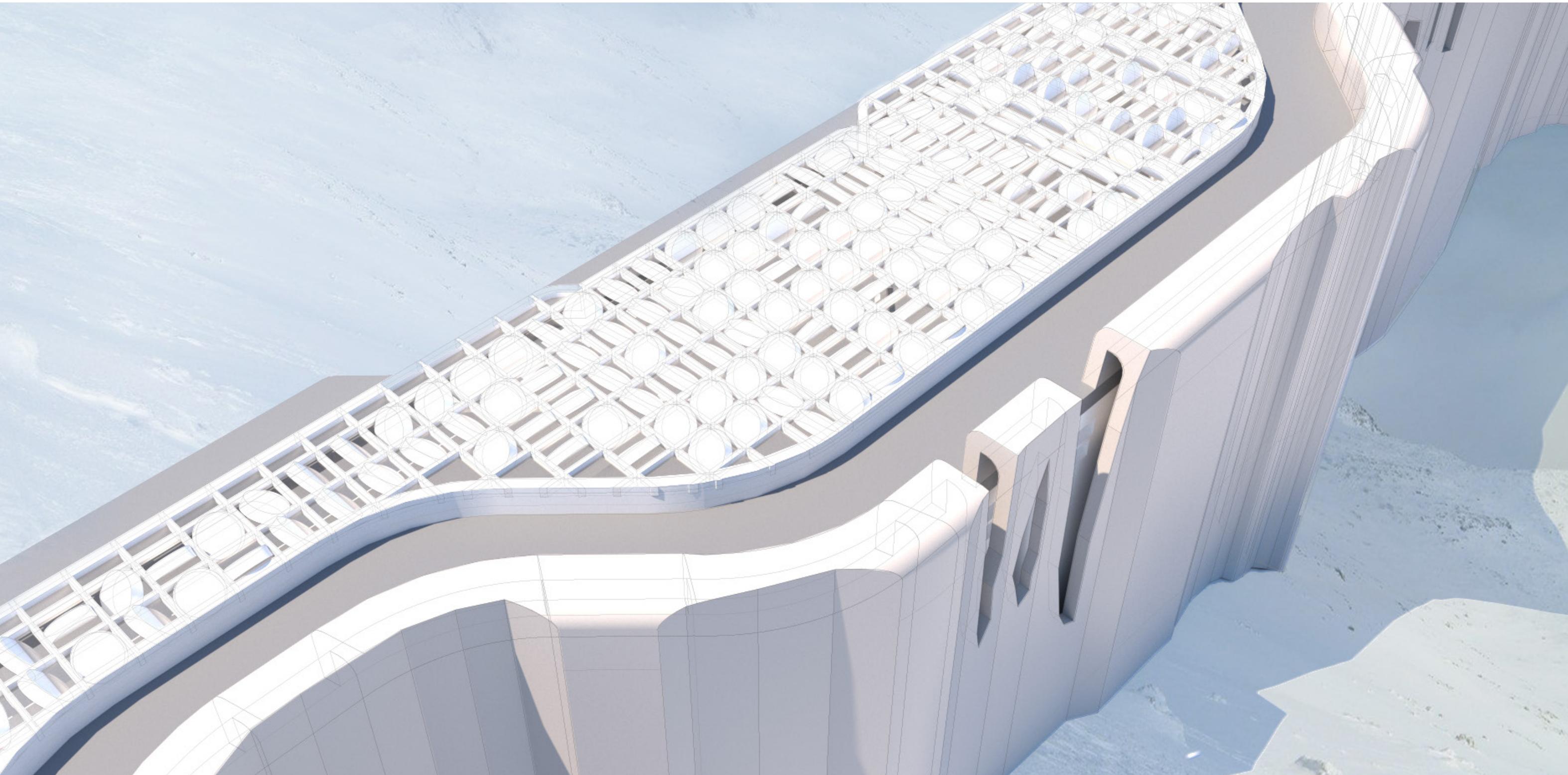
GRADUATE ARCHITECTURE GROUP PROJECT [2017]

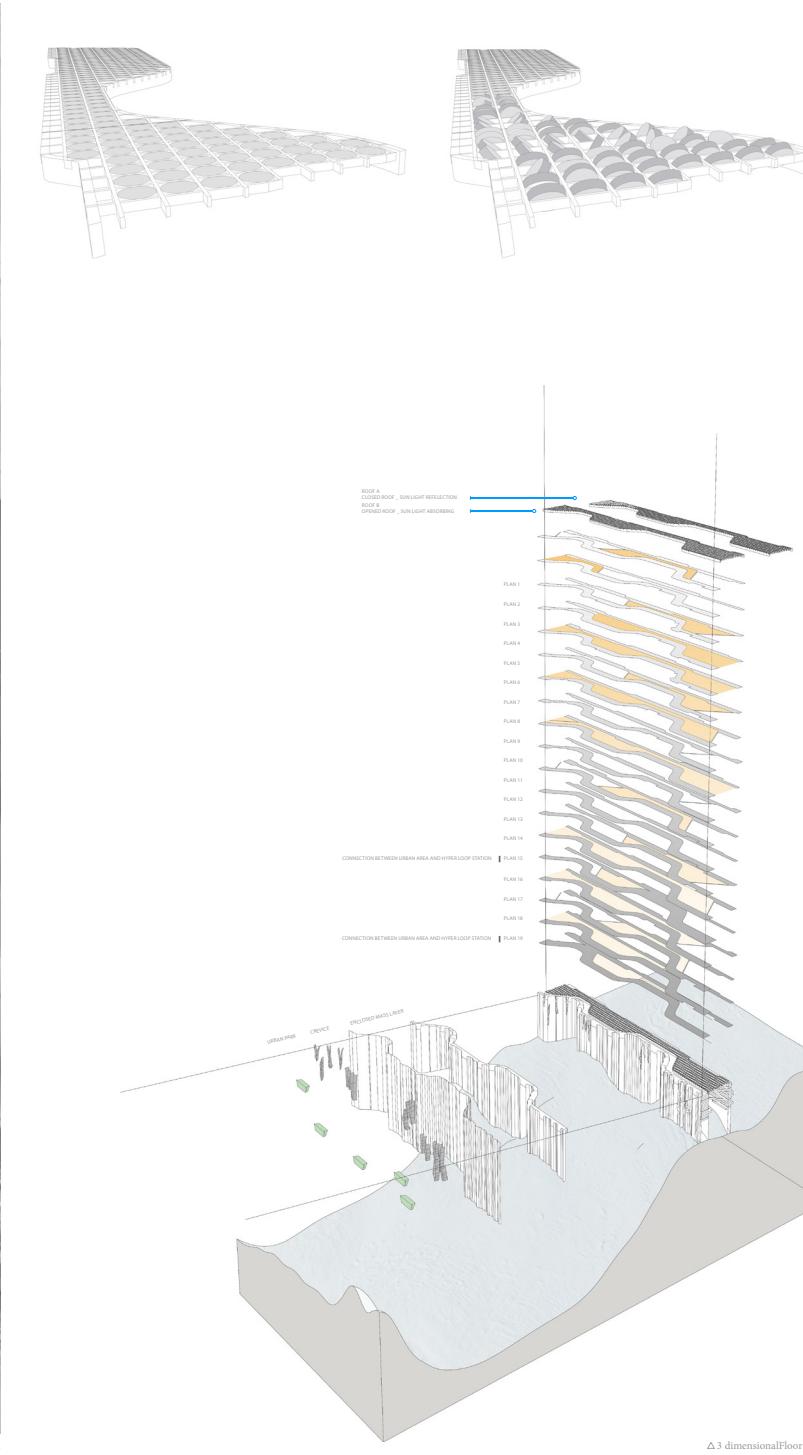
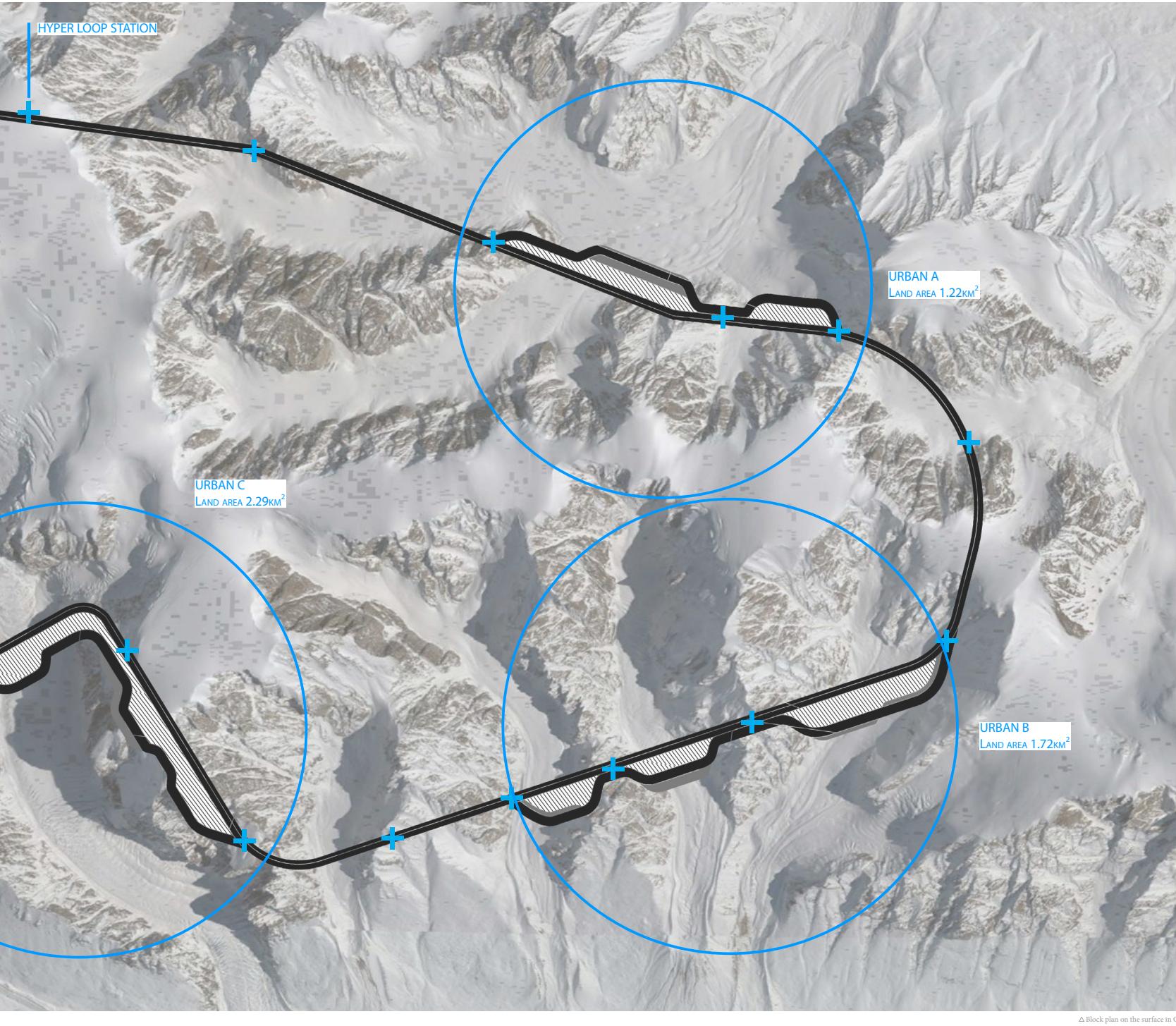
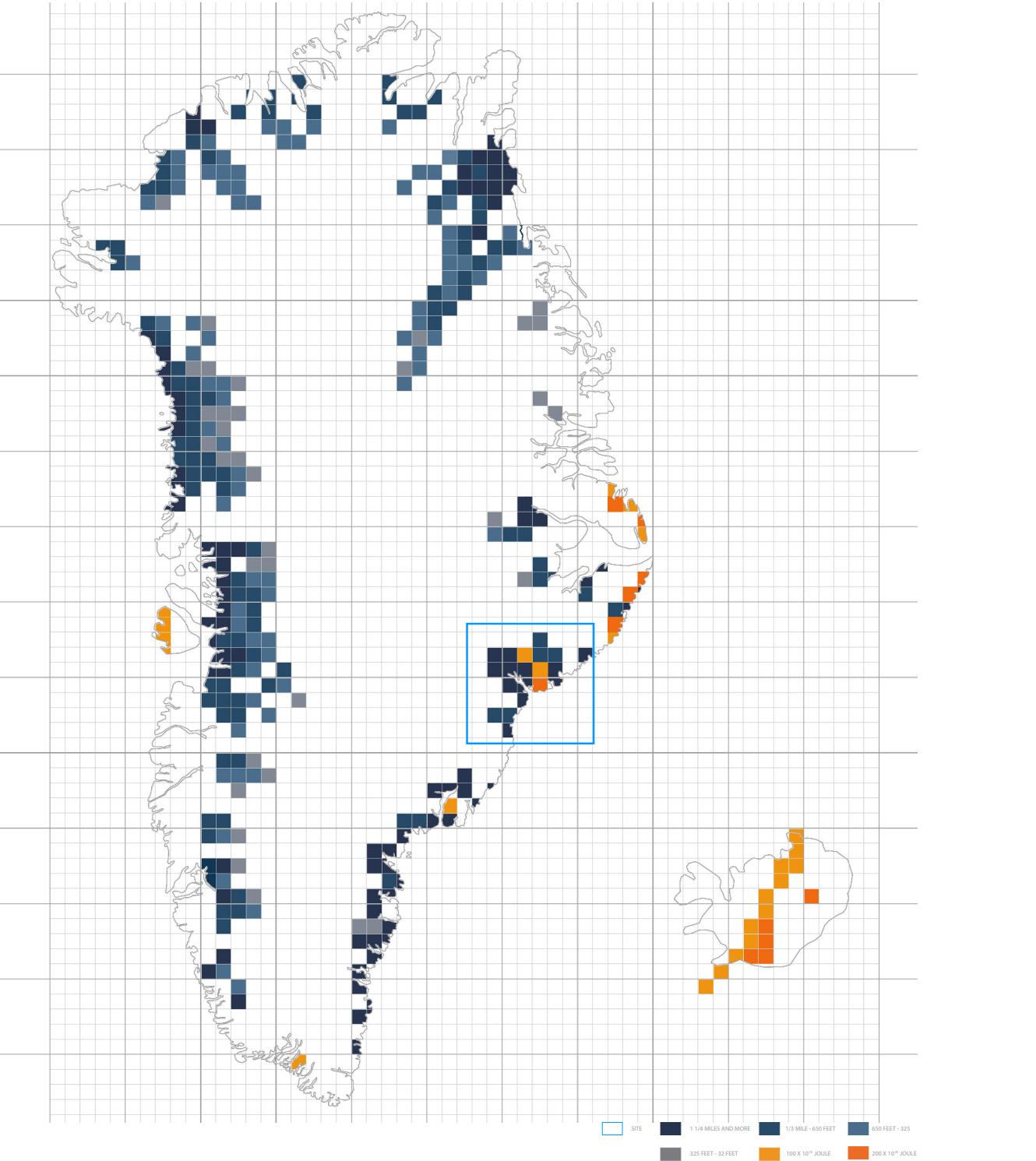
NAME — JUNHO CHOI, YEONJUNG NAM
ILLINOIS INSTITUTE OF TECHNOLOGY — M.ARCH 3RD YEAR ACADEMIC
PROJECT

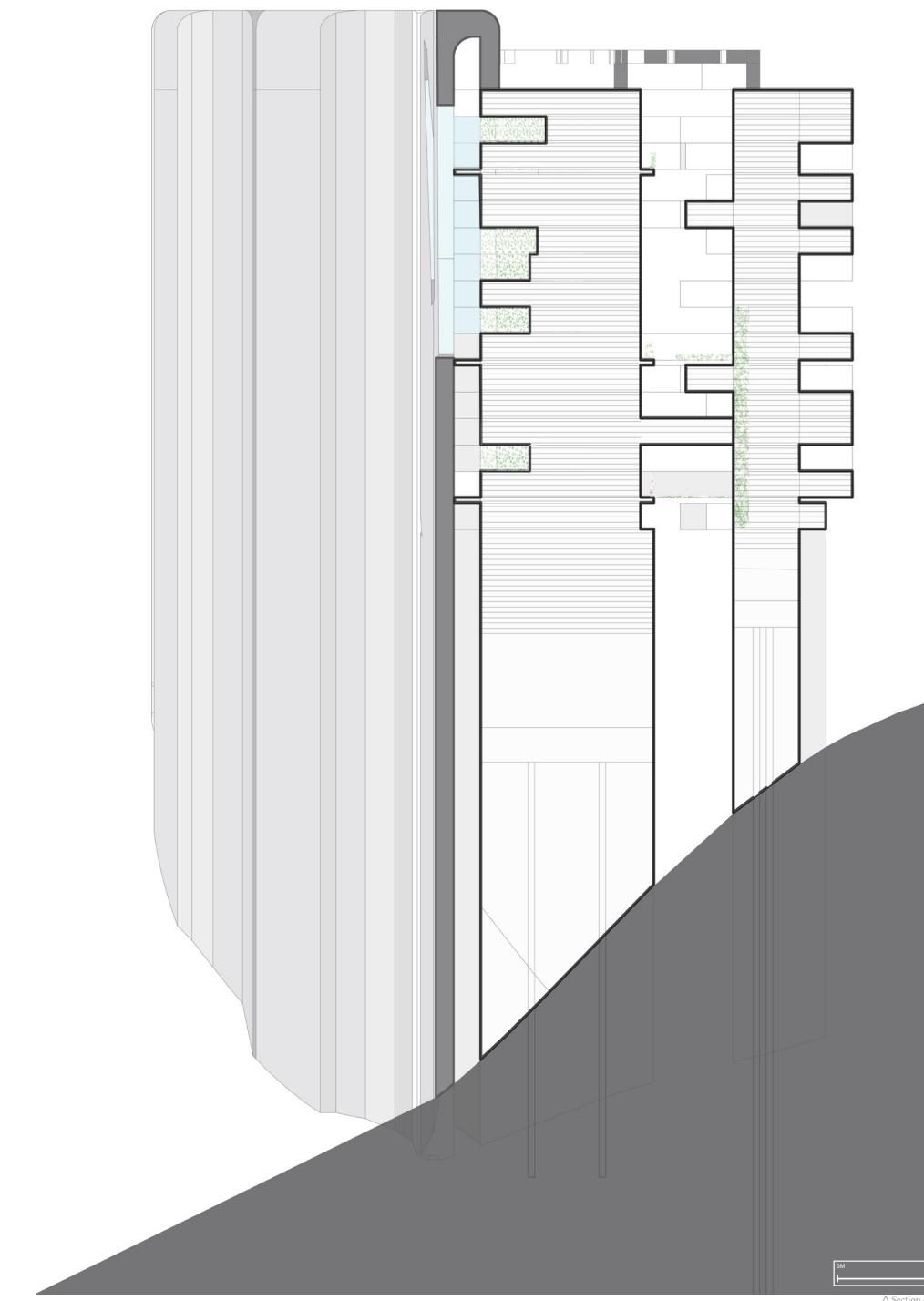
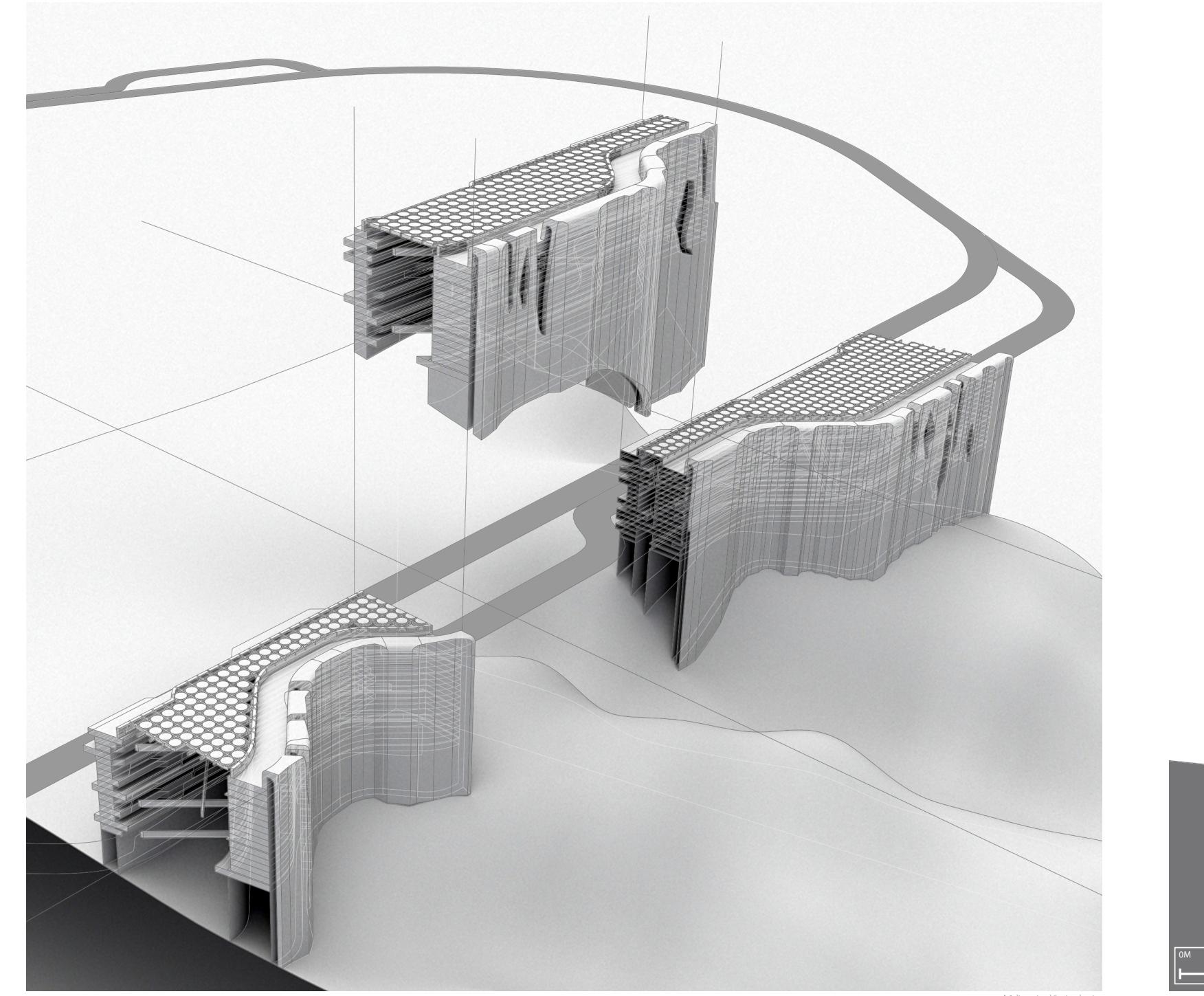
SUPERVISOR — PENG DU
FUNCTION — URBAN HABITAT
PERIOD — 5 MONTHS - FROM AUG. 2017 TO DEC. 2017



THE WORLD FACED THE COMPLEX PATTERNS REPRESENTING THE NATURAL ENVIRONMENT WERE COLLAPSED, CLIMATE IS CHANGING AT A RATE EXCEEDING MOST SCIENTIFIC FORECASTS; ARCTIC SEA-ICE IS DISAPPEARING AT A STUNNING RATE, OCEANS WARMING, AIR POLLUTION AND CLIMATE CHANGE WERE CAUGHT IN A SELF- BOOSTING LOOP. GLOBAL WARMING WAS BECOMING IRREVERSIBLE AND WORSE. LEVELS IN ARCTIC AND ANTARCTICA RAISED TO AN UNPRECEDENTED NUMBER IN 4 MILLION YEARS. THE PROBLEM WITH HUMAN-INDUCED CLIMATE CHANGE IS THAT IT IS OCCURRING AT A MUCH FASTER THAN NATURAL CLIMATE. THEREFORE, WE GRASPED THE URGE TO TAKE ACTION. OUR VISION FOR URBAN BRIDGE: REGENERATING ICE SHEET IS TO CREATE INDEPENDENT URBAN HABITATS IN GREENLAND THAT INCLUDE TECHNICAL FUNCTIONS TO SLOW DOWN ICE MELTING.



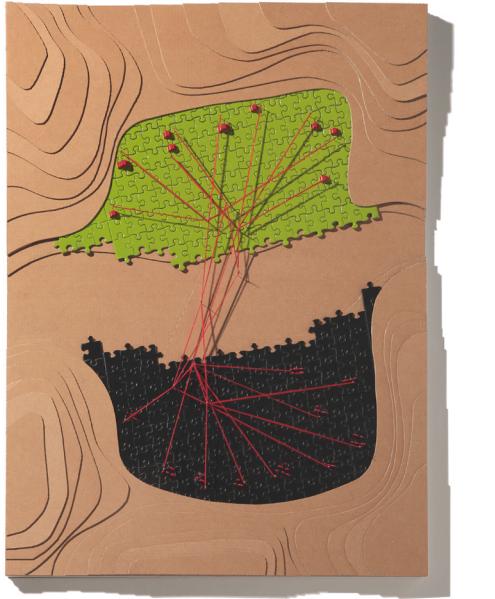




VERTICAL DOMINO FOREST CITY FARM BUILDING

CITY PARADIGM PROJECT[2014]

NAME — JUNHO CHOI
B.ARCH FINAL ACADEMIC PROJECT
SUPERVISOR — YOON GYOO JANG
LOCATION — GWANAK-GU, SEOUL, KOREA
PERIOD — 6 MONTHS - FROM FEB. 2014 TO SEP. 2014



△ Model size : 350 * 500
Material : puzzle, red thread, pin, and card board
Ordinary paradigm between city and suburb

▷ A City Forest building Left, a model figure and
right, a model figure depicted in Rhino

This project is proposed to transform the fundamental paradigm held by existing countries, cities, and surrounding environments. The primary production sectors provided by existing cities, roads, and farms are linked with simple linear elements, causing substantial costs and a number of inefficient aspects. To resolve this issue, I took a scenario approach for an architect to provide alternatives.

With these three scenarios, I narrowed the scope of the project to create a building that acts as a link between urban and rural areas. Accordingly, I took into consideration elements such as farm building, connecting system, module, environment, and expanding effect and tried to compress them into a single architectural structure.

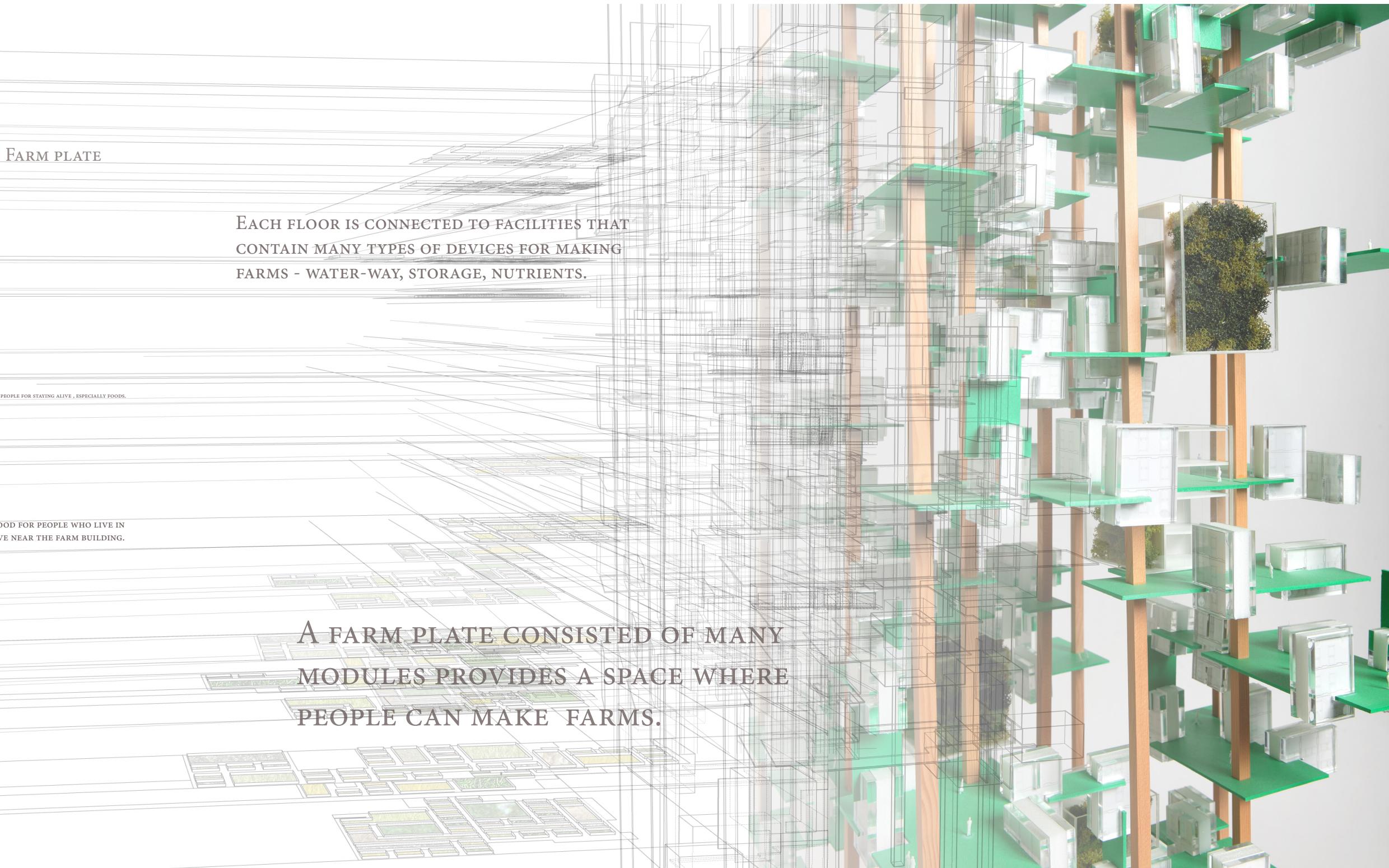
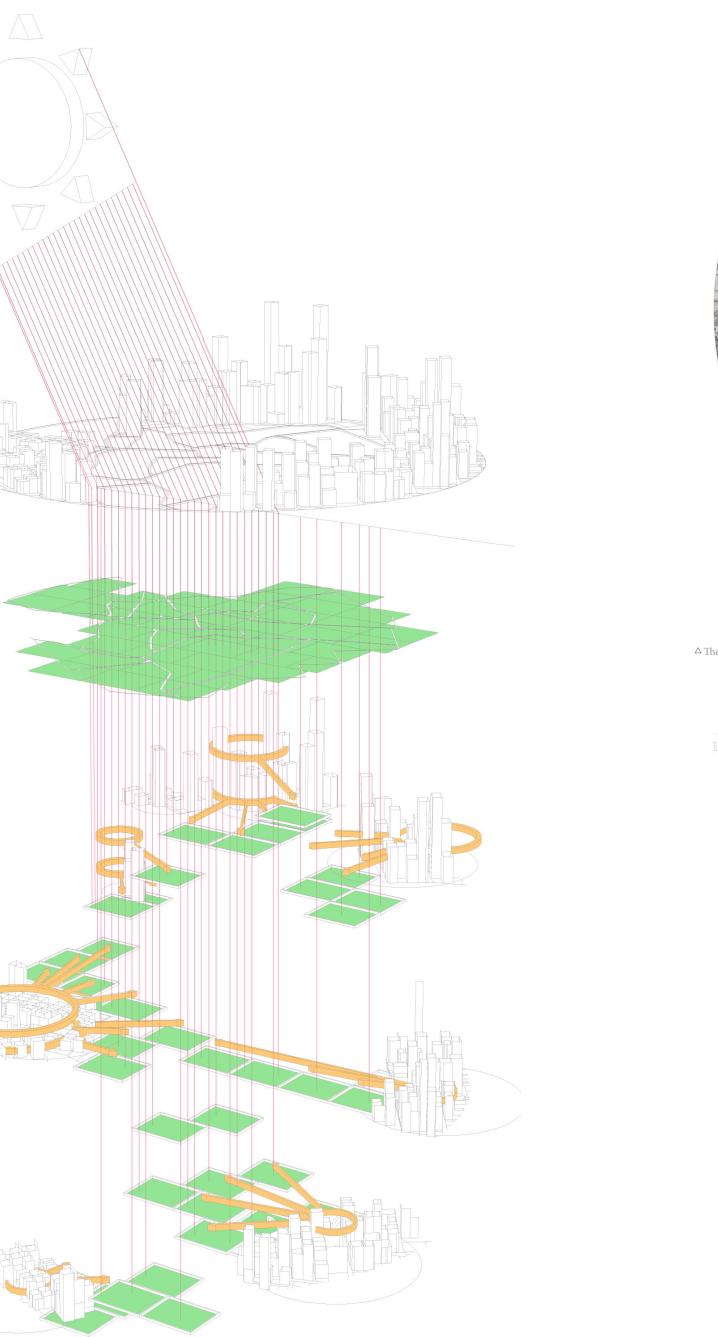


DIAGRAM ABOUT NEW PARADIGM OF THE CITY



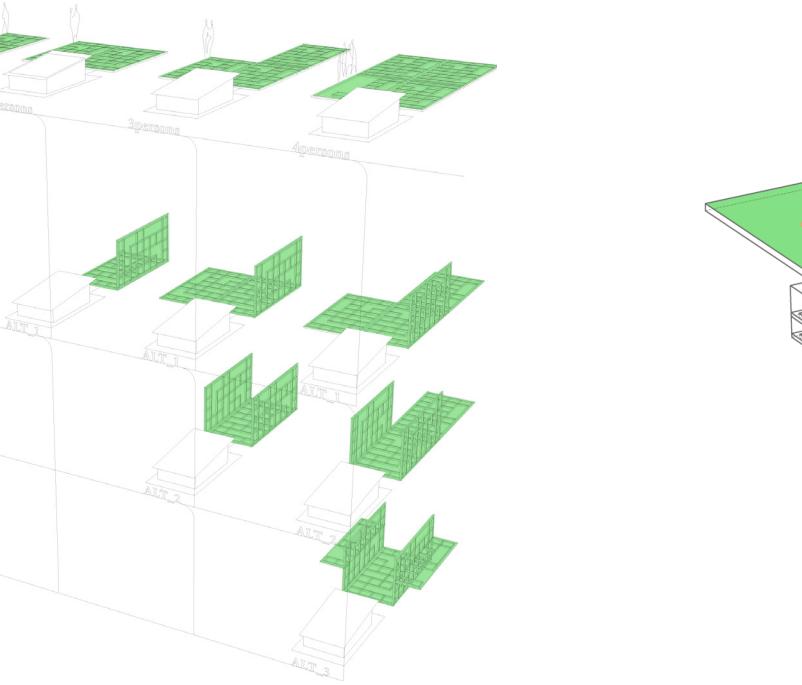
Aspects from undeveloped city to developing city



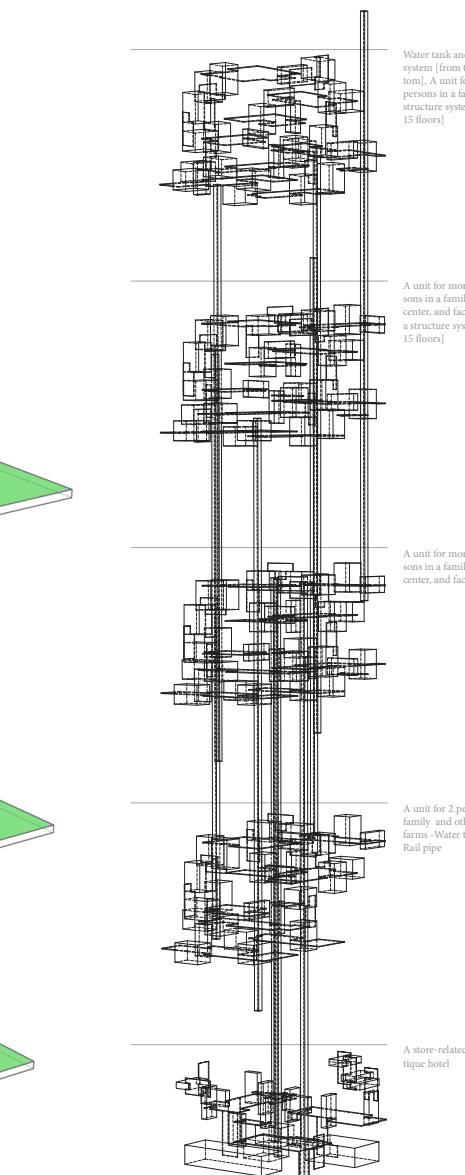
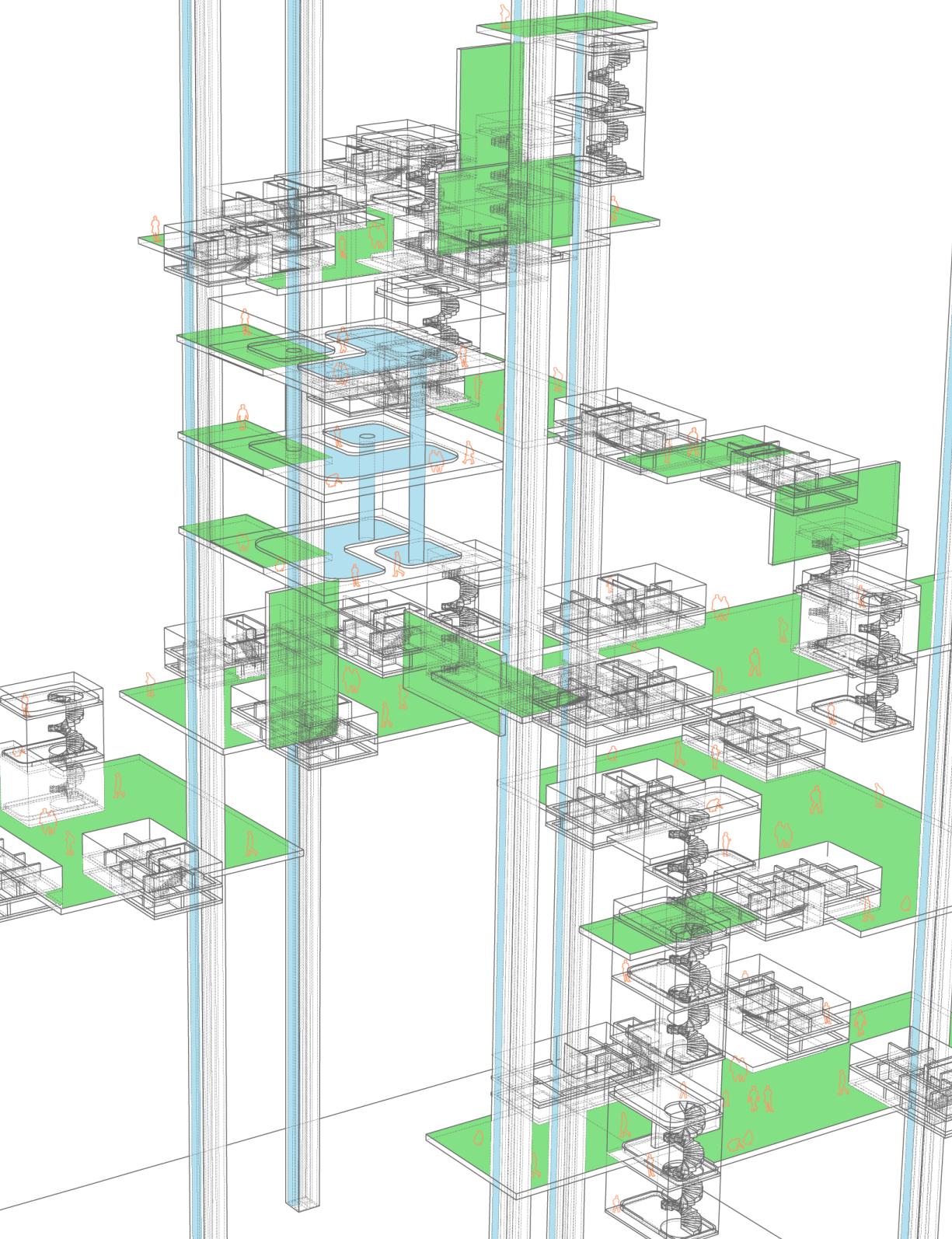
D diagram : Rearranging city and suburb area and Subdividing the green-zone



City and suburb



need specific green zone and provide specific green zone per one person



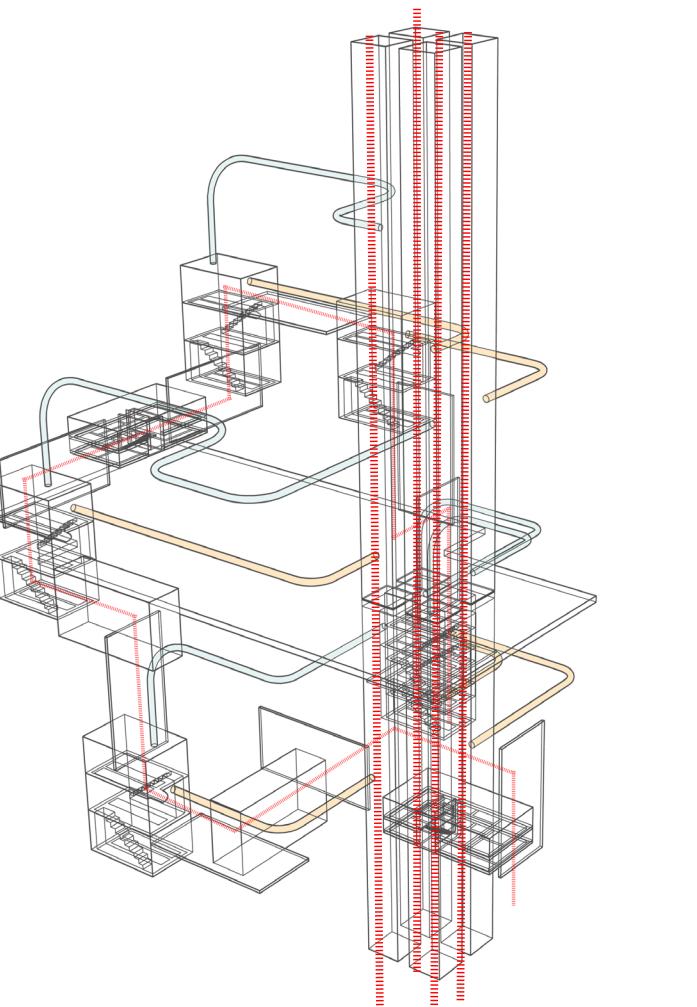
- A detail drawing - units and farms
- Blue line : water way and water tank
- Green line : farm
- Program sequence
- Each floor has different compositions

DRAWING AND DETAIL

UNIT STRUCTURE AND CALCULATING SUN ANALYSIS

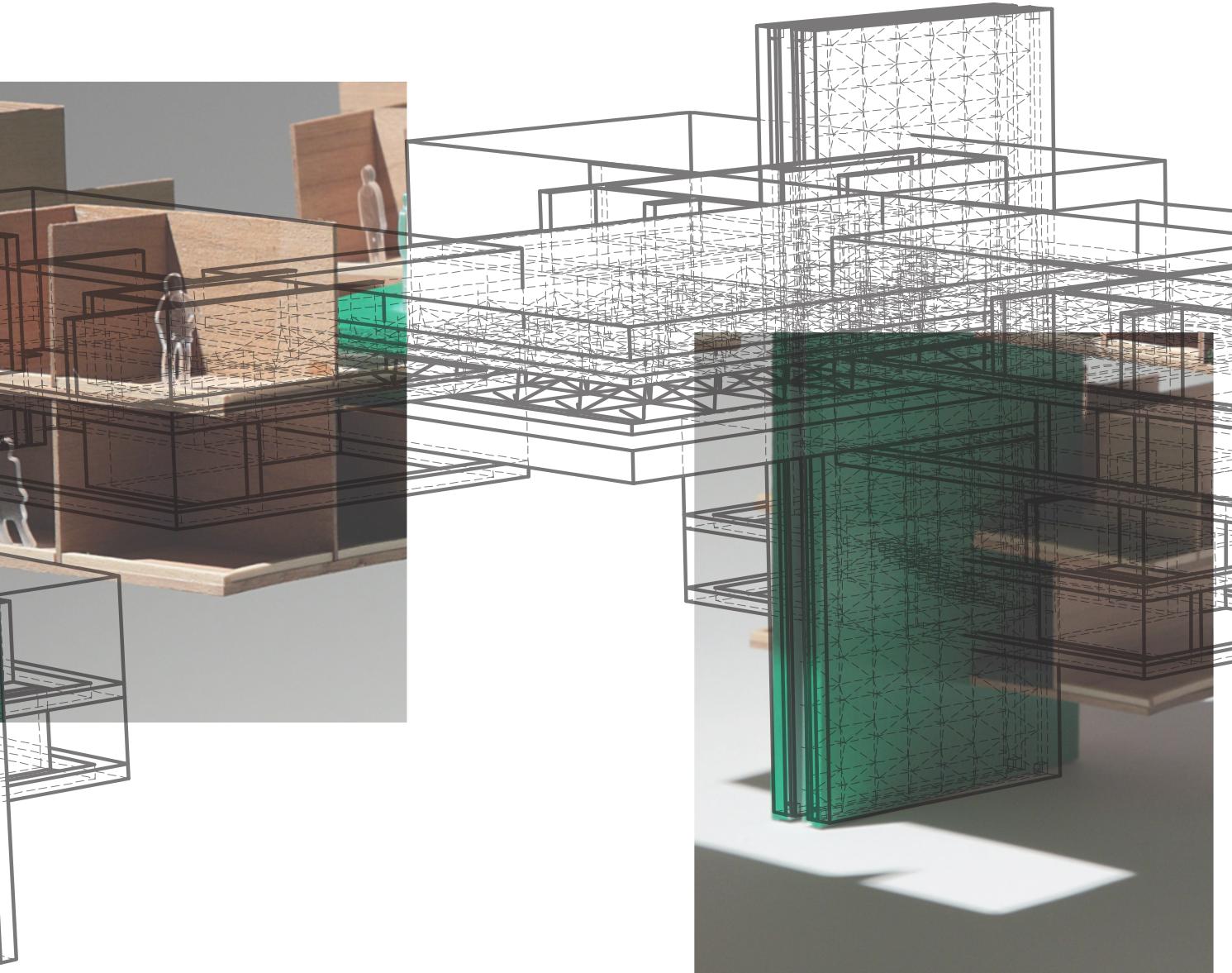
When the arch is used as the basic structural shape, there is a natural open space in the center area. In order to utilize the space, a space was secured to encompass each unit and system of the surrounding elements to induce forming a single community.

The illustration depicts roads between existing rural and urban areas. The routes of transportation for supplying and distributing goods are indicated with red lines. The work uses a simple sense of physical distance to express urban and rural areas linked by routes of transportation.

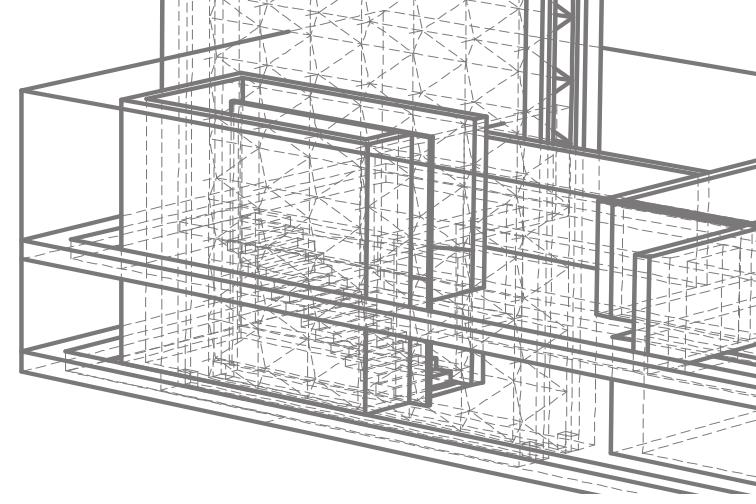
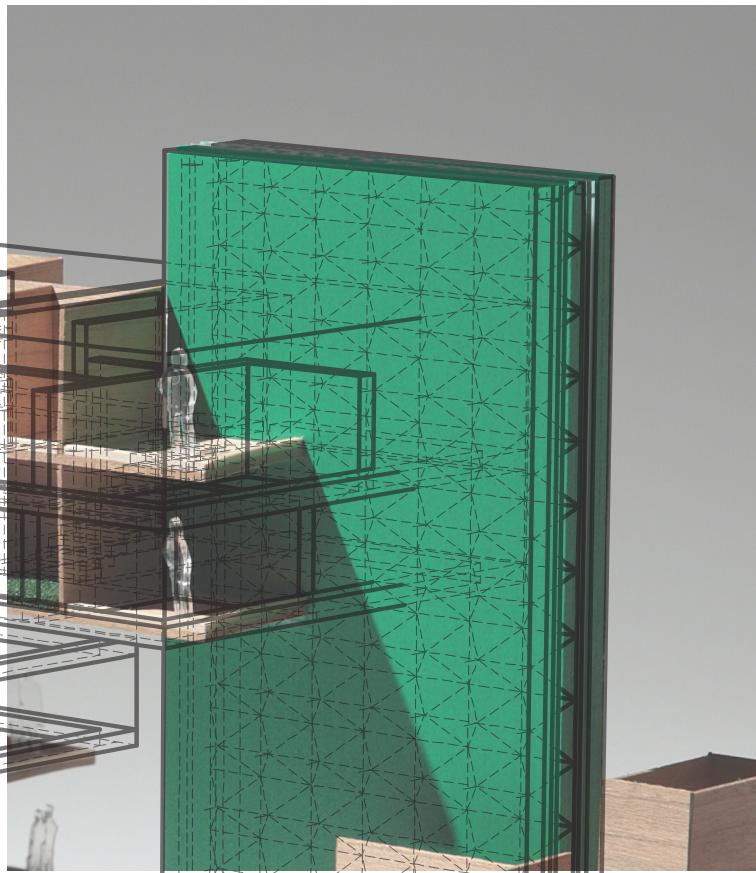


△ Red line : basic principle of structure ; the type of Arch
Blue line : a water way connecting Core to Unit
Yellow line : the passage of food movement ; grain

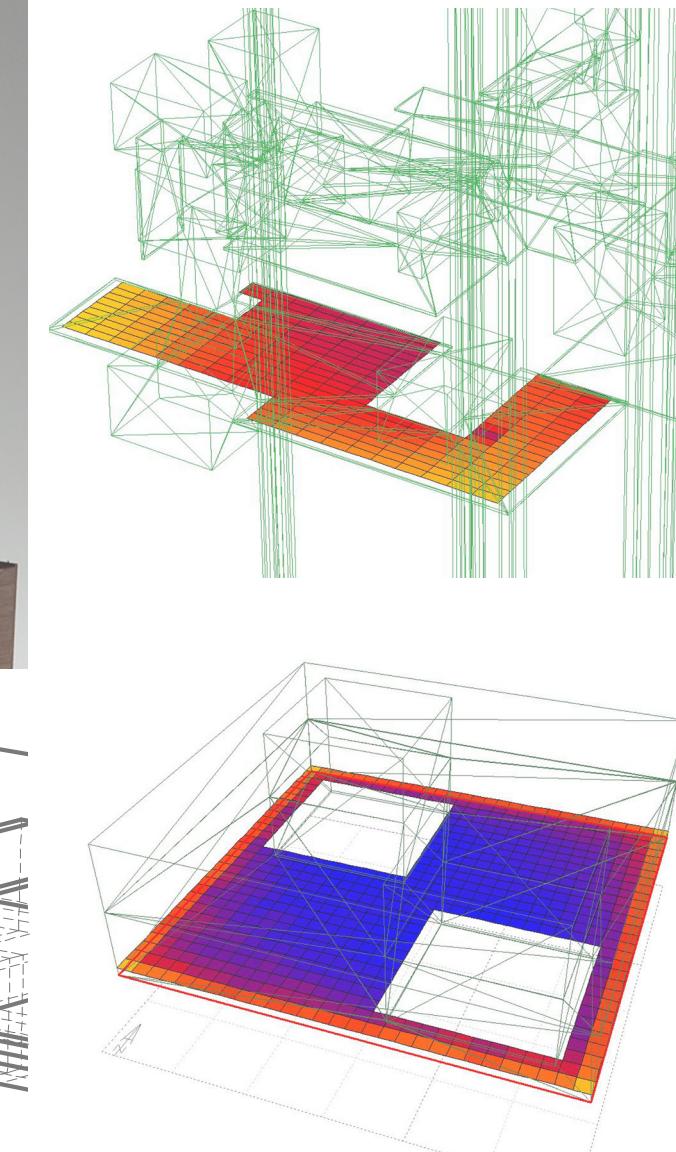
△ A detail unit and main structure drawing



△ A detail unit and main structure drawing



△ Light analysis : comparison between suggested farm building and ordinary farm building / ecological farm



%
68.1
60.1
72.1
54.1
56.1
48.1
40.1
32.1
24.1
16.1
8.1

DUCT + WALL BUILDING

EXPERIMENTAL ARCHITECTURE PROJECT [2013]

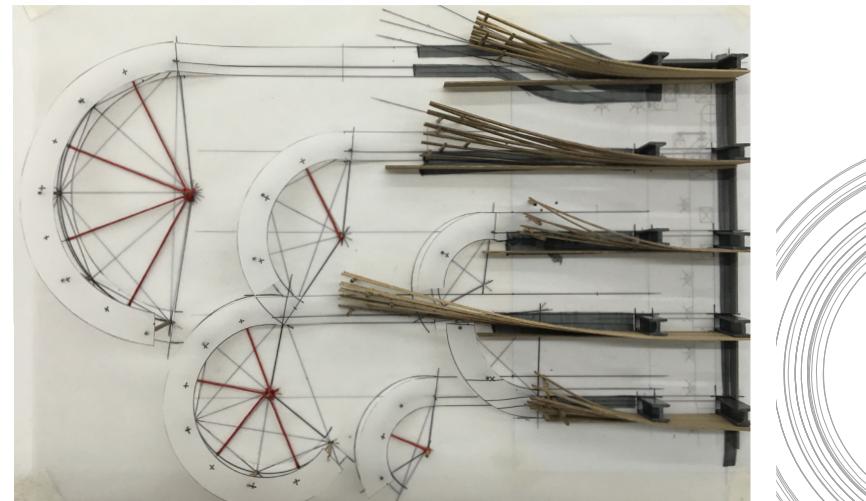
NAME — JUNHO CHOI

KOOKMIN UNIVERSITY OF SEOUL — B.ARCH 3RD YEAR ACADEMIC PROJECT

SUPERVISOR — KI HYUN AHN

FUNCTION — MUSEUM OR HOSPITAL

PERIOD — 3 MONTHS - FROM MAR. 2013 TO MAY. 2013



△ Conceptual art work / Diagram
Model size : A3 size
Material : wood plate, red thread, black pen Oiled paper and plastic figure.

▷ Duct-wall structure Model
Model size : 500 * 800 * 270 mm
Material : paper, acrylic, and white board

THIS IS AN IMPORTANT PROJECT THAT MUST PRECEDE THE INTEGRATION OF FUSION ACADEMICS AND ARCHITECTURE. A SUBSTANTIAL AMOUNT OF RESEARCH WAS REQUIRED ON BUILDING SYSTEMS. AFTER CONDUCTING MULTIPLE SURVEYS ON THE ELEMENTS THAT CONSTITUTE AN ARCHITECTURAL STRUCTURE AS WELL AS ON UNNECESSARY FUNCTIONS, I DECIDED TO CONDUCT THE PROJECT BY COMPLETING A BUILDING WITH ONLY TWO ELEMENTS. BECAUSE THE PROJECT HAD TO BE COMPLETED WITH THE TWO ELEMENTS OF THE BUILDING, THE PREMISES WERE A STRUCTURE THAT REQUIRED STRENGTH AND AN ELEMENT SPECIALIZED FOR FUNCTIONALITY. I CHOSE THE DUCT AND THE WALL FOR THE PROJECT.

TAKING INTO CONSIDERATION THAT THE TWO ELEMENTS ARE ASSOCIATED WITH TWO DIFFERENT ACADEMIC FIELDS UNDER ARCHITECTURE, A COMPLETELY NEW OUTCOME WAS ELICITED IN CHOOSING TWO ELEMENTS THAT ARE EXPERIMENTAL AND NON-CONVERGING IN REGARDS TO PROPOSING THE FIRST FUSION BUILDING, ALLOWING ME TO PROPOSE AN ARCHITECTURAL STRUCTURE CAPABLE OF PERFORMING INNOVATIVE AND SPECIAL FUNCTIONS.

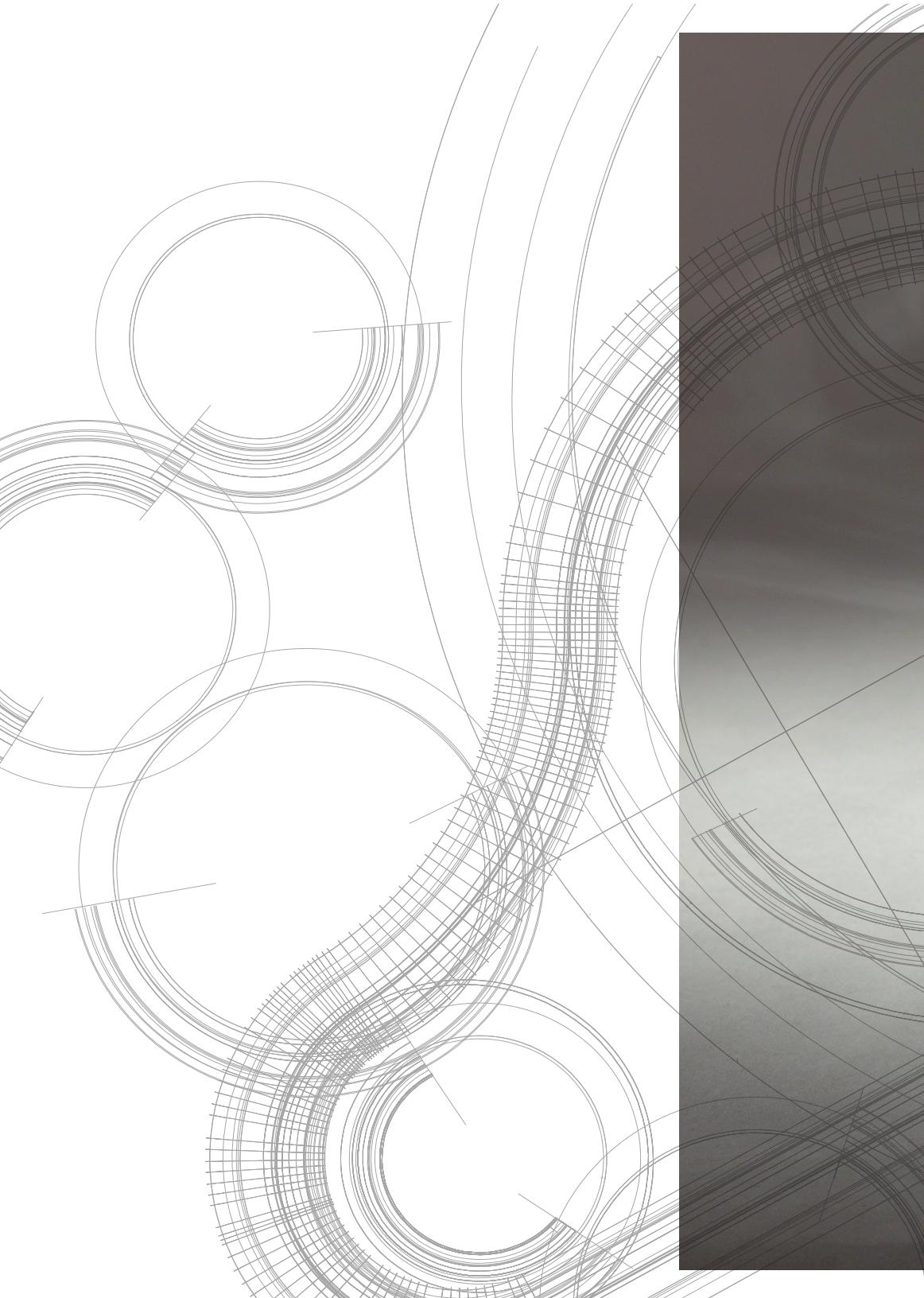
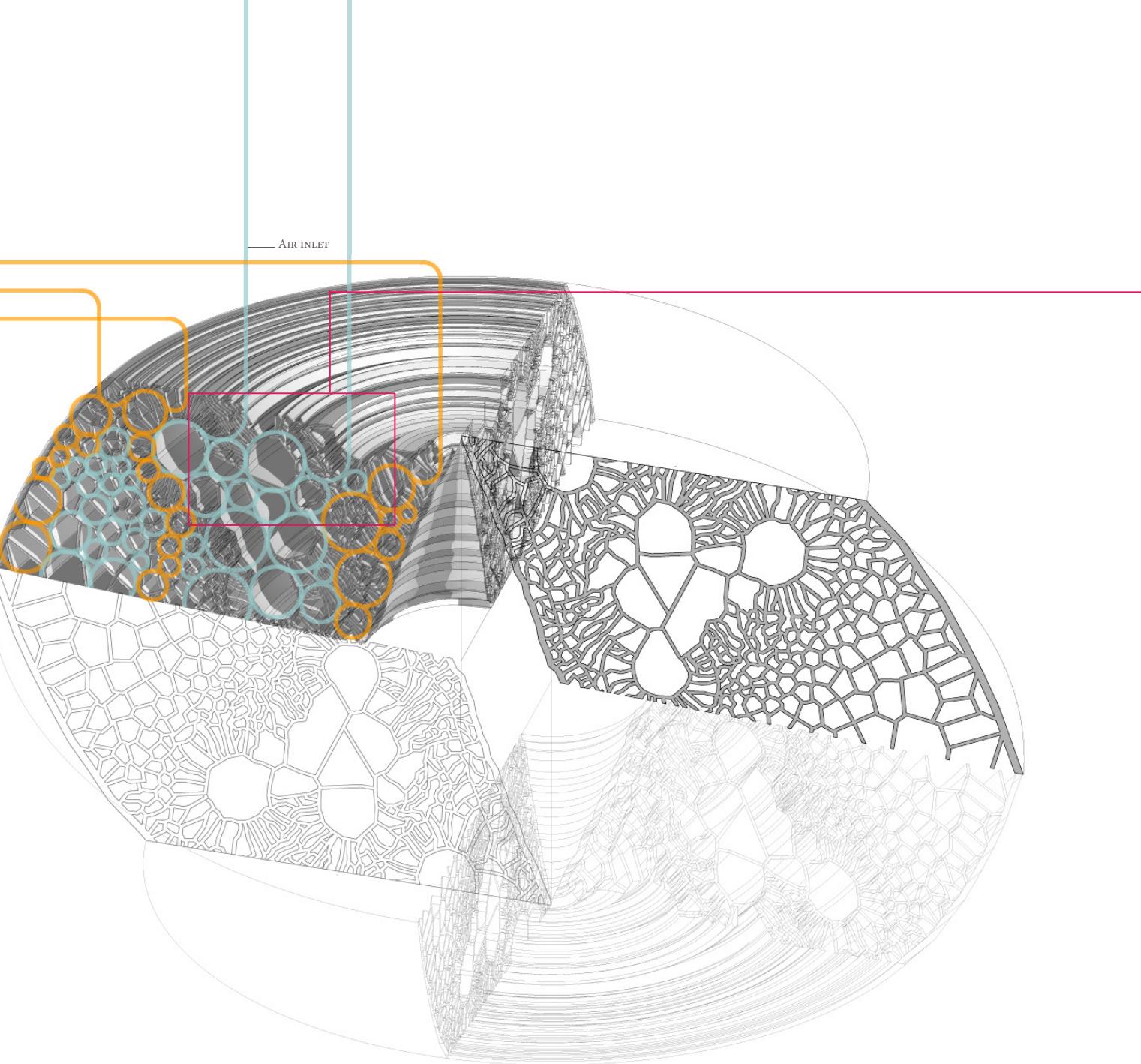
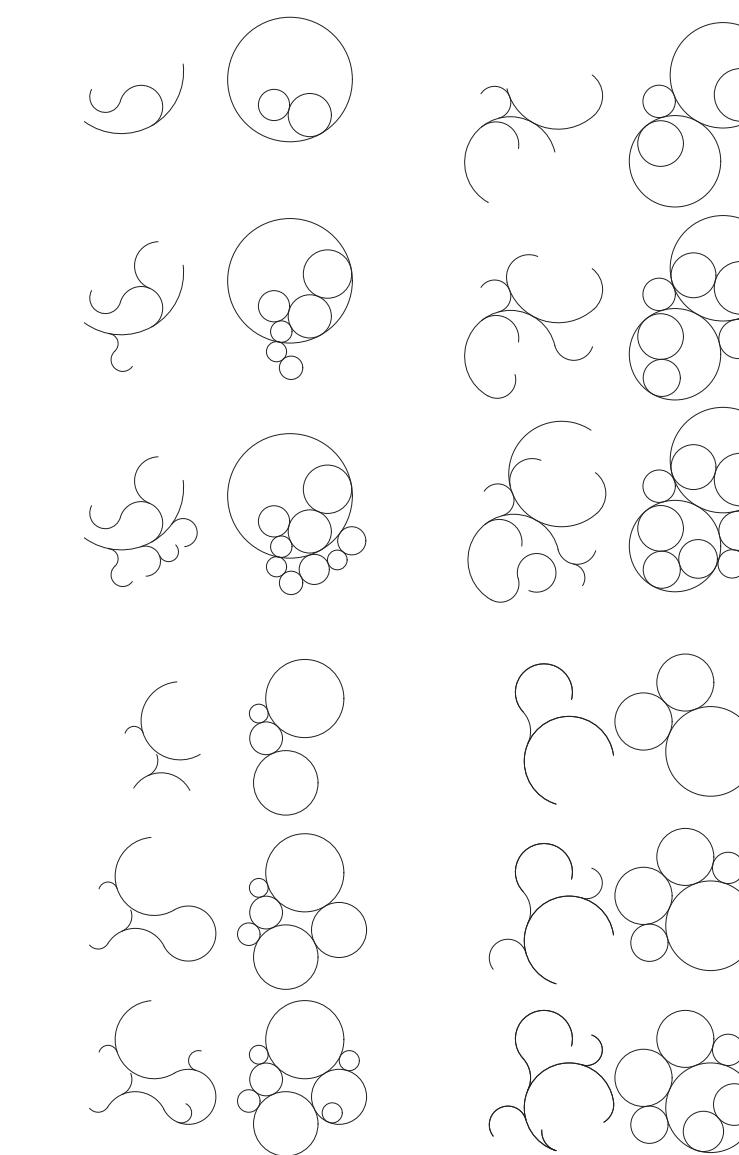
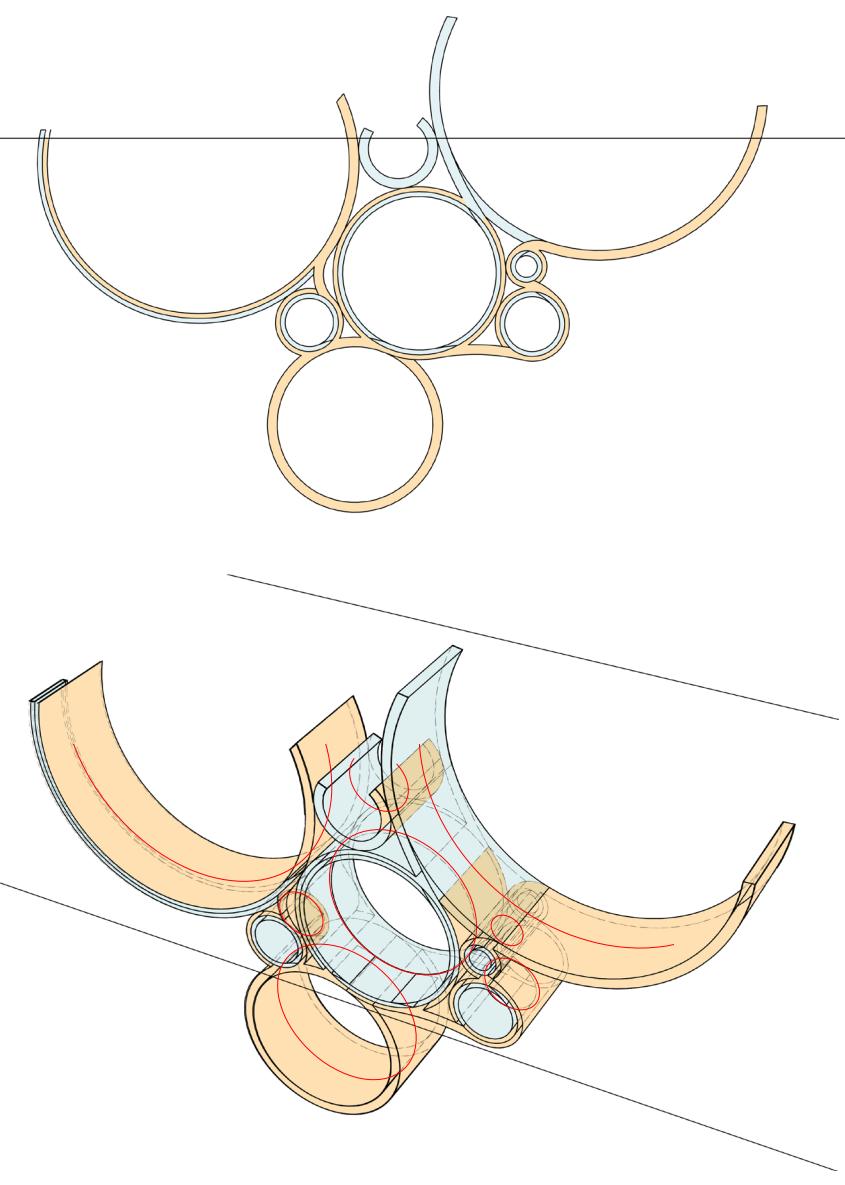


DIAGRAM ABOUT TERMITE HOUSE



MODEL SEQUENCE



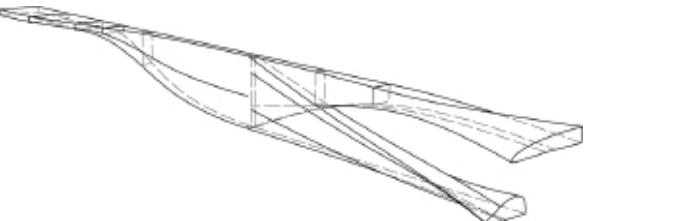
△ Ventilation system of Termite house

△ 3D View - termite ventilation system
Red mark : Inlet area
Blue mark : Exhaust area

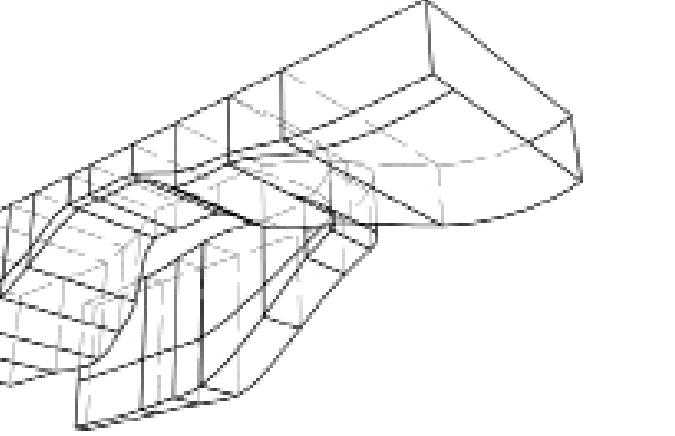
△ ALTS based on the three rules.
Each area depends on the scale of a space so the length of the duct-wall is determined by the size of the space.

DETAIL DRAWING AND MODEL IMAGE

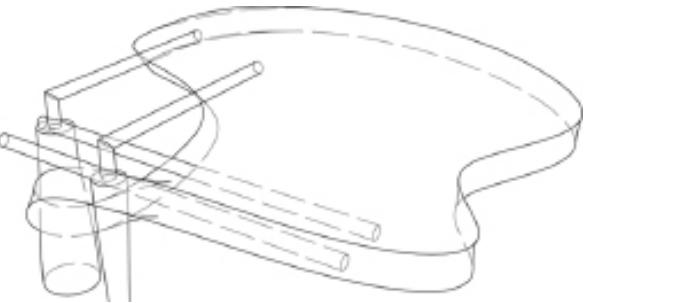
SHAPE OF THE SPACE IS CIRCULAR BECAUSE THE VENTILATION SYSTEM OF THE BUILDING CONNECTS THE WALLS. MAIN DUCT PASSES THROUGH THE MIDDLE OF THE BUILDING AND ALL DUCTS CONNECT TO EACH OTHER. BUT EXHAUSTED PIPES ONLY CONNECT THE WALL TOWARD OUTSIDE. EACH VENTILATION SYSTEM IN THE SPACE ONLY WORKS IN THE SPACE.



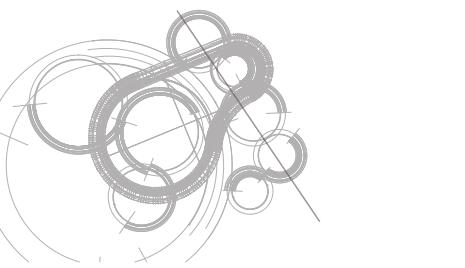
DUCTS MAKE NO HIERARCHICAL LAYER AMONG SLABS.



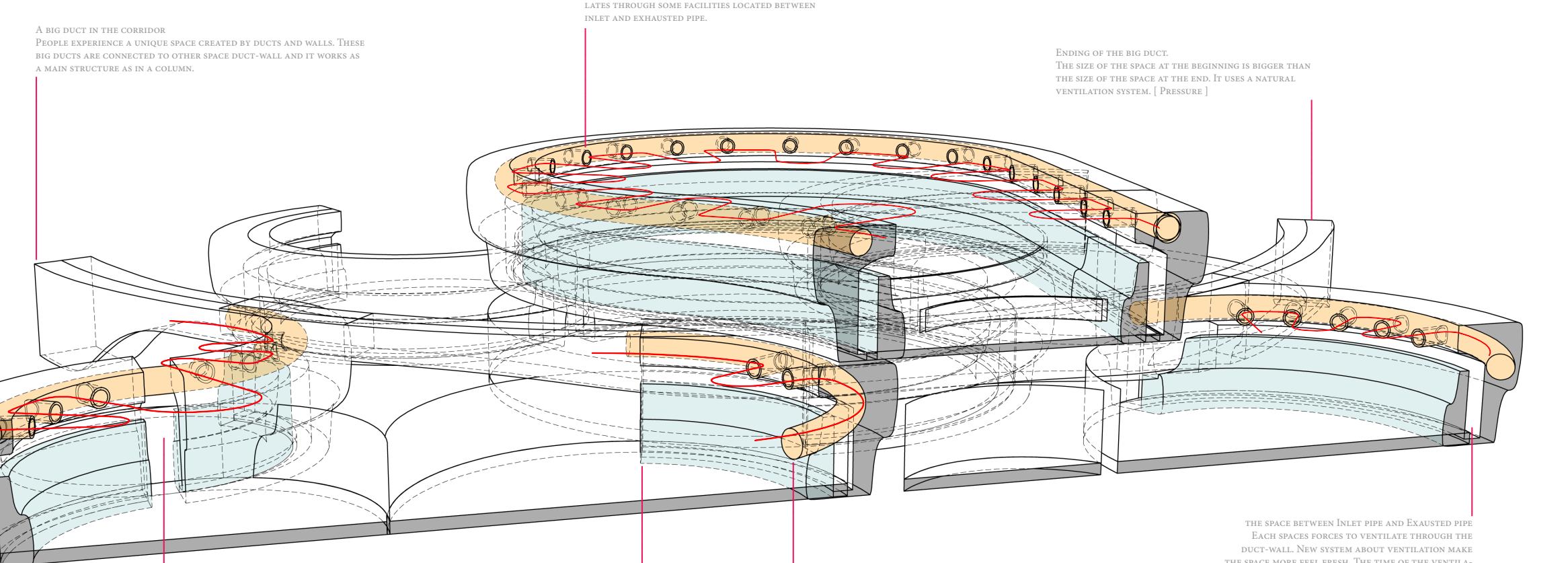
EXPANSION OF A DUCT IS DETERMINED BY THE SPACE AND VENTILATION OF THE BUILDING.



COLLISION POINT BETWEEN THE DUCT AND WALL SHOULD BE CHANGED BY
THE DIFFERENCE OF THE INFLUENCE BETWEEN THEM.
A three rules about making duct-wall structure.

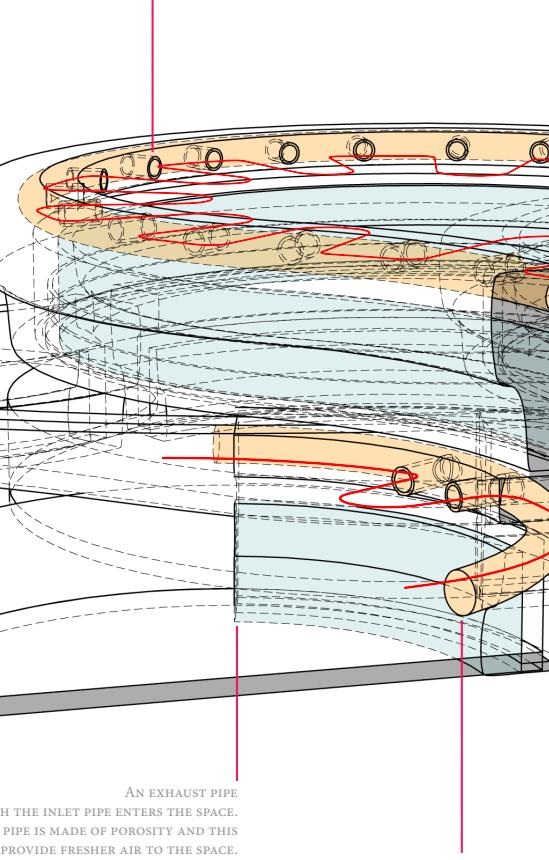


A BIG DUCT IN THE CORRIDOR
PEOPLE EXPERIENCE A UNIQUE SPACE CREATED BY DUCTS AND WALLS. THESE BIG DUCTS ARE CONNECTED TO OTHER SPACE DUCT-WALL AND IT WORKS AS A MAIN STRUCTURE AS IN A COLUMN.



SPACE FOR PASSAGE
SOME SPACE CAN CONNECT TO THE EMPTY SPACE SO DUCTS SHOULD BE DISCONNECTED FROM SOME AREA BUT INLET PIPE UPPER THE SPACE SHOULD CONNECT FOR EFFICIENCY OF VENTILATION.

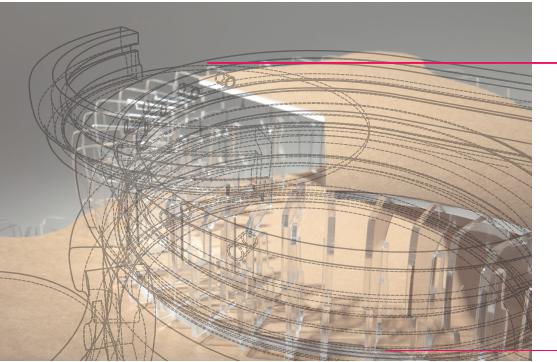
AN OPENING PIPE ON THE SURFACE
AN OPENING PIPE CONNECTS TO THE INLET PIPE AND IT ABSORBS THE AIR IN THE SPACE. THEN THE AIR VENTILATES THROUGH SOME FACILITIES LOCATED BETWEEN INLET AND EXHAUSTED PIPE.



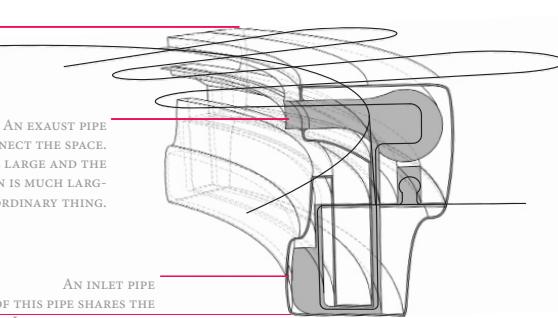
AN EXHAUST PIPE
THE AIR VENTILATED THROUGH THE INLET PIPE ENTERS THE SPACE. THE SURFACE OF THE EXHAUSTED PIPE IS MADE OF POROSITY AND THIS POROSITY CAN PROVIDE FRESHER AIR TO THE SPACE.



AN INLET PIPE
EACH SPACE FORCES TO VENTILATE THROUGH THE DUCT-WALL. A NEW VENTILATION SYSTEM MAKES THE SPACE FRESHER. THE DURATION FOR VENTILATION IS SHORTER THAN THAT OF AN ORDINARY SYSTEM.

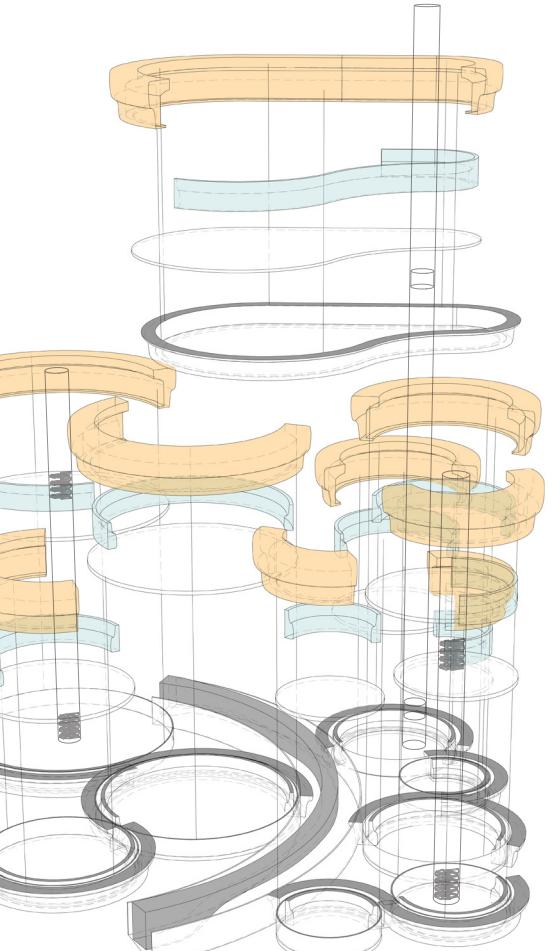


AN EXHAUST PIPE
THE DUCTS DIRECTLY CONNECT THE SPACE. CONTACT SURFACE IS LARGE AND THE QUANTITY OF VENTILATION IS MUCH LARGER THAN ORDINARY THING.



AN INLET PIPE
THE EXTERNAL SURFACE OF THIS PIPE SHARES THE SAME SURFACE OF THE WALL. ITS ABSORPTION ABILITY IS MUCH BIGGER THAN THE EXISTING ONE FOR THE CONTACTED SURFACE IS BIGGER.

△ : Detail section drawing
Red line : Flow line of the air
Grey mark : Space containing circulation system



Blue mark : exhaust pipe
Orange mark : inlet pipe
Grey mark : circulation system

SPIDER SILK BUILDING

BIOMIMETICS + ARCHITECTURE PROJECT [2013]

NAME — JUNHO CHOI
KOOKMIN UNIVERSITY OF SEOUL — B.ARCH 4TH YEAR
ACADEMIC PROJECT
SUPERVISOR — YOON GYOO JANG
LOCATION — UNDER THE BRIDGE
PERIOD — 3 MONTHS - FROM SEP. 2013 TO DEC. 2013

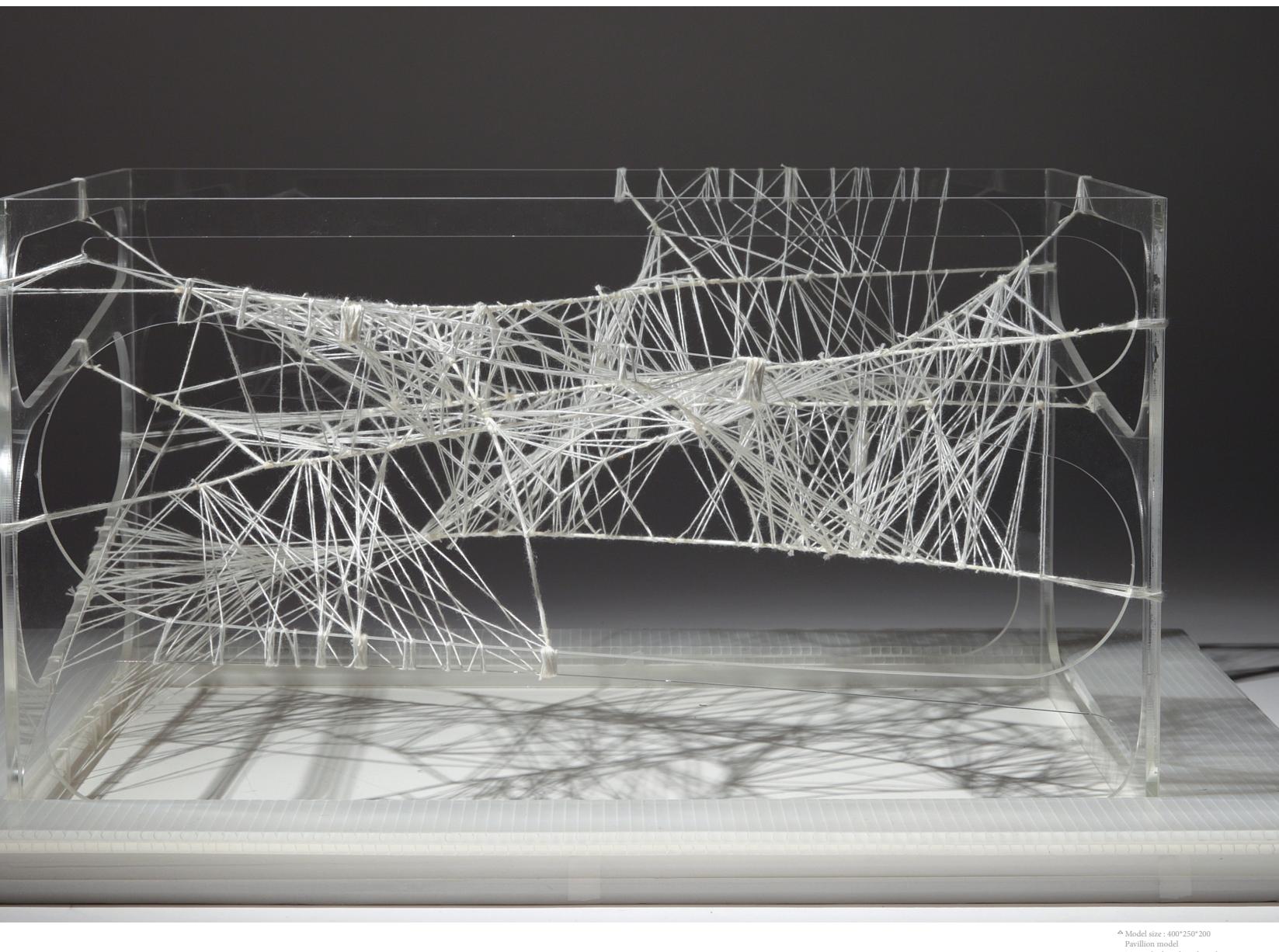
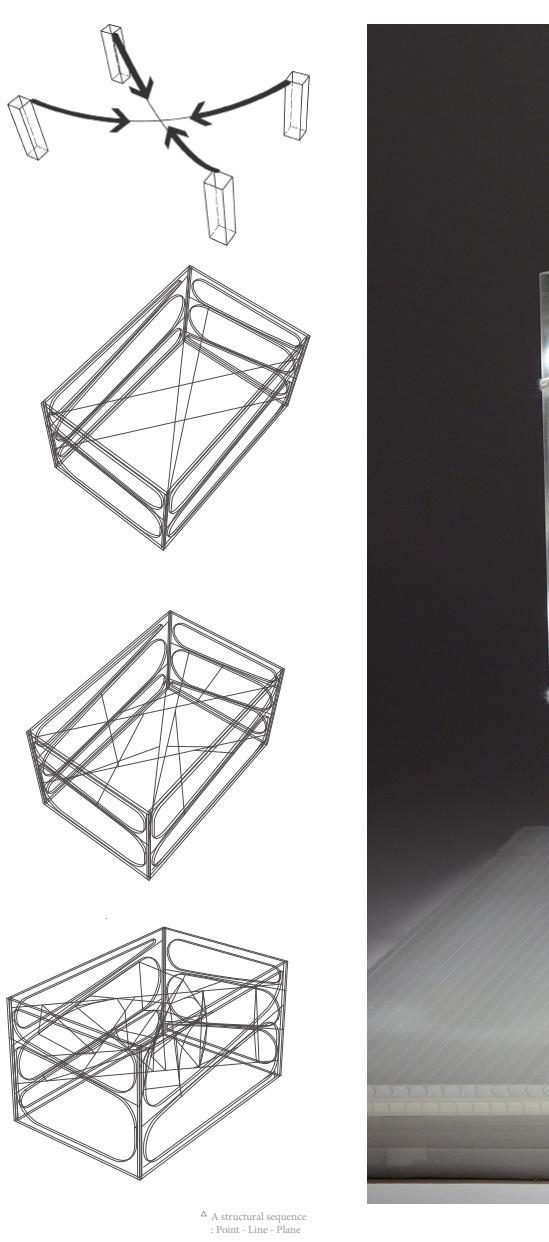
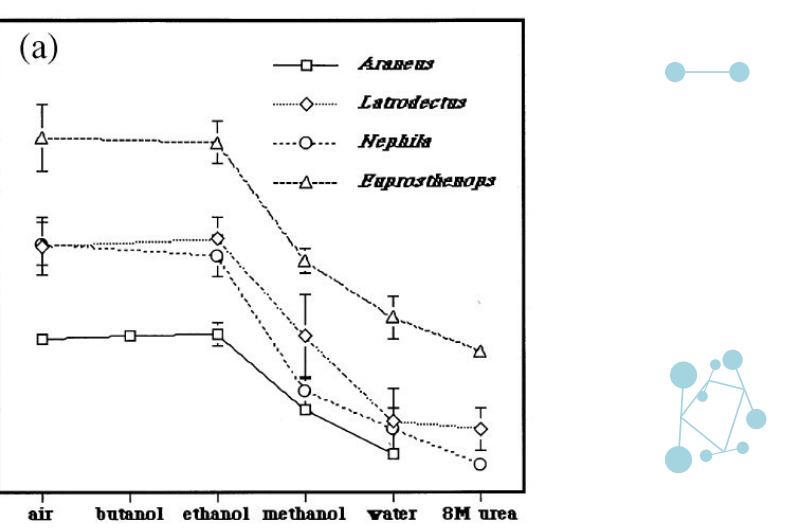
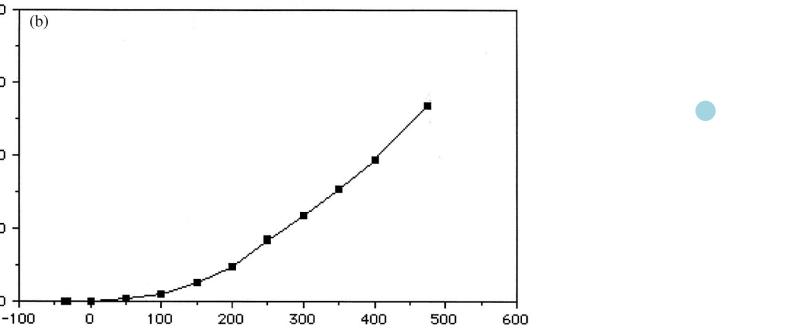
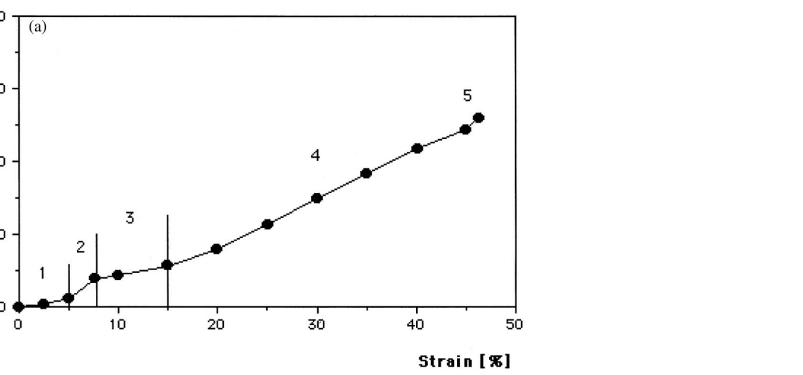
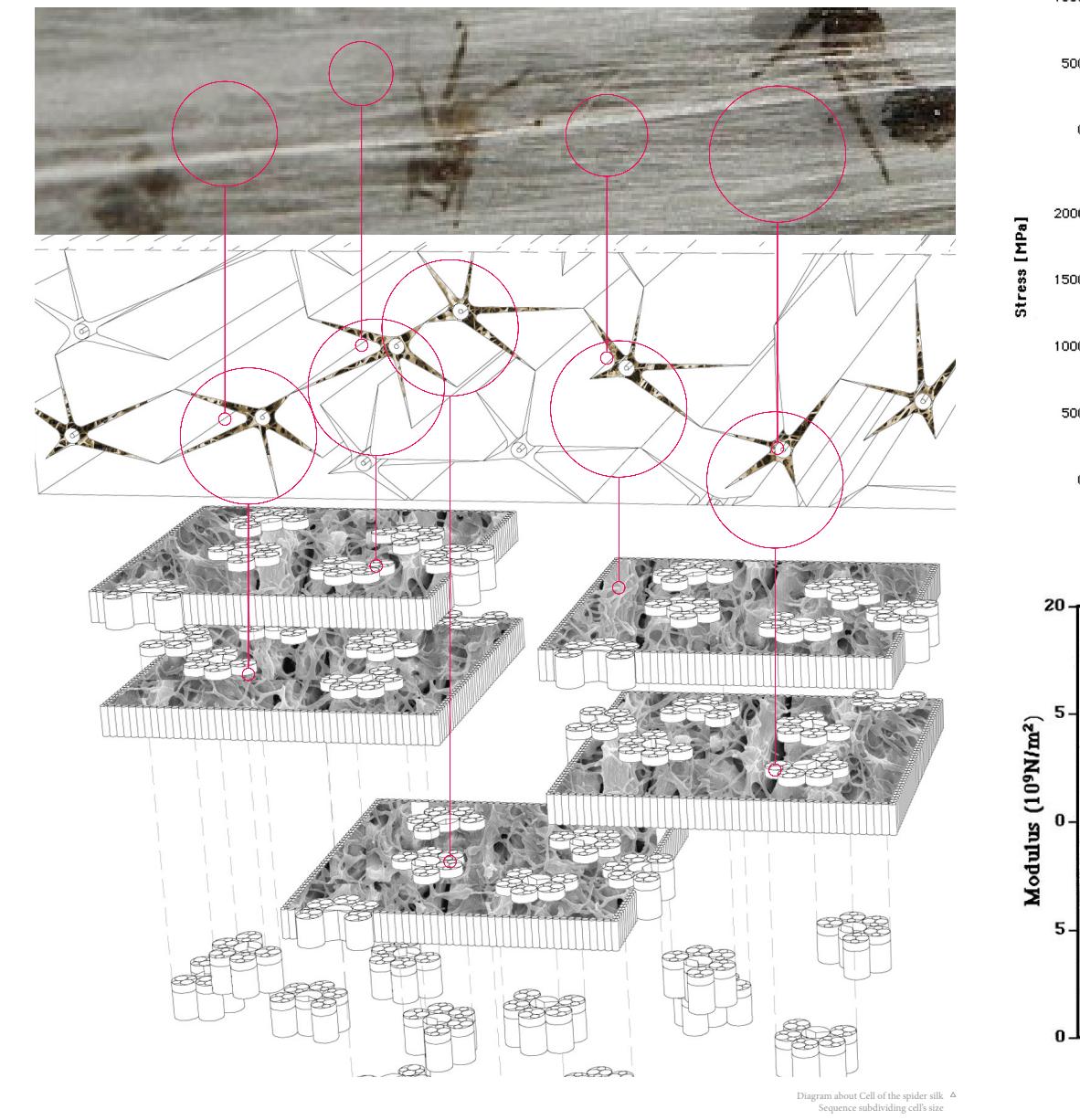


△ Spider web image

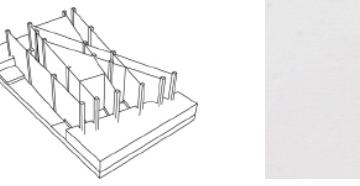
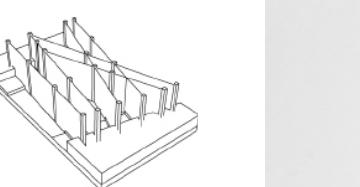
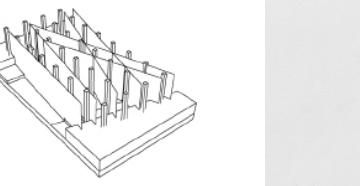
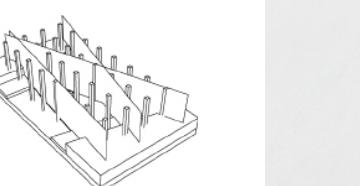
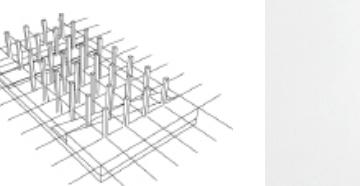
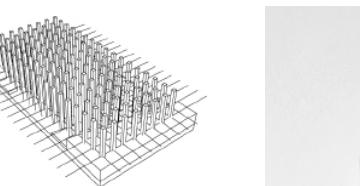
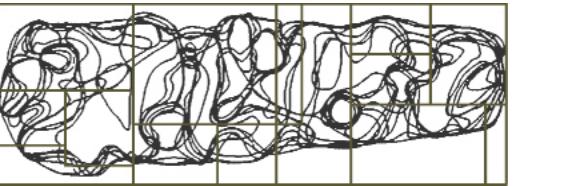
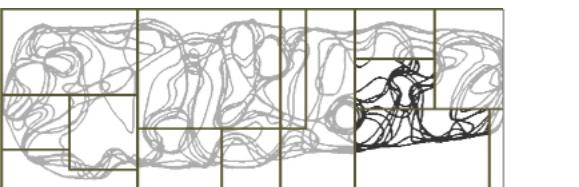
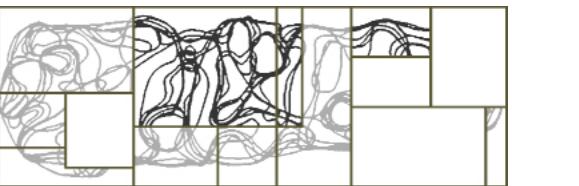
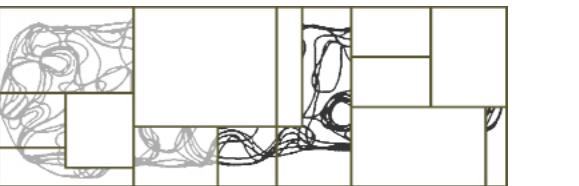
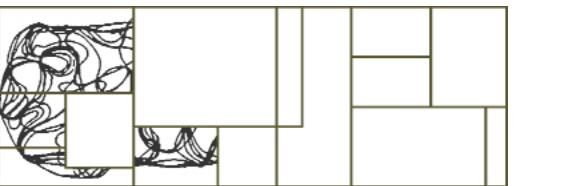
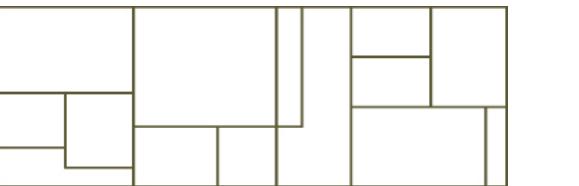
EVERY SHAPE IS CREATED BY ADAPTING TO THE ENVIRONMENT AND IS A RESULT OF THE LAW OF SURVIVAL OF THE FITTEST DESIGNED TO MAXIMIZE ONE'S FUNCTIONALITY. BIOMIMICRY IS IMITATING ONE SYSTEM AND APPLYING IT TO ANOTHER.

I INTEND TO INTEGRATE BIOMIMICRY INTO ARCHITECTURE. I LOOKED FOR A BIOMIMICRY MATERIAL THAT CAN BE BEST UTILIZED IN ARCHITECTURE AND FOUND THE SPIDER WEB SYSTEM. I PERFORMED RESEARCH ON VARIOUS EXPERIMENTAL RESULTS TO IMPLEMENT THE SPIDER WEB SYSTEM AS AN ARCHITECTURAL ELEMENT. I DECIDED TO CONDUCT THIS PROJECT TO PROPOSE A NOVEL METHOD FOR REPLACING BUILDINGS PRIMARILY CONSISTING OF CONVENTIONAL RC STRUCTURES.

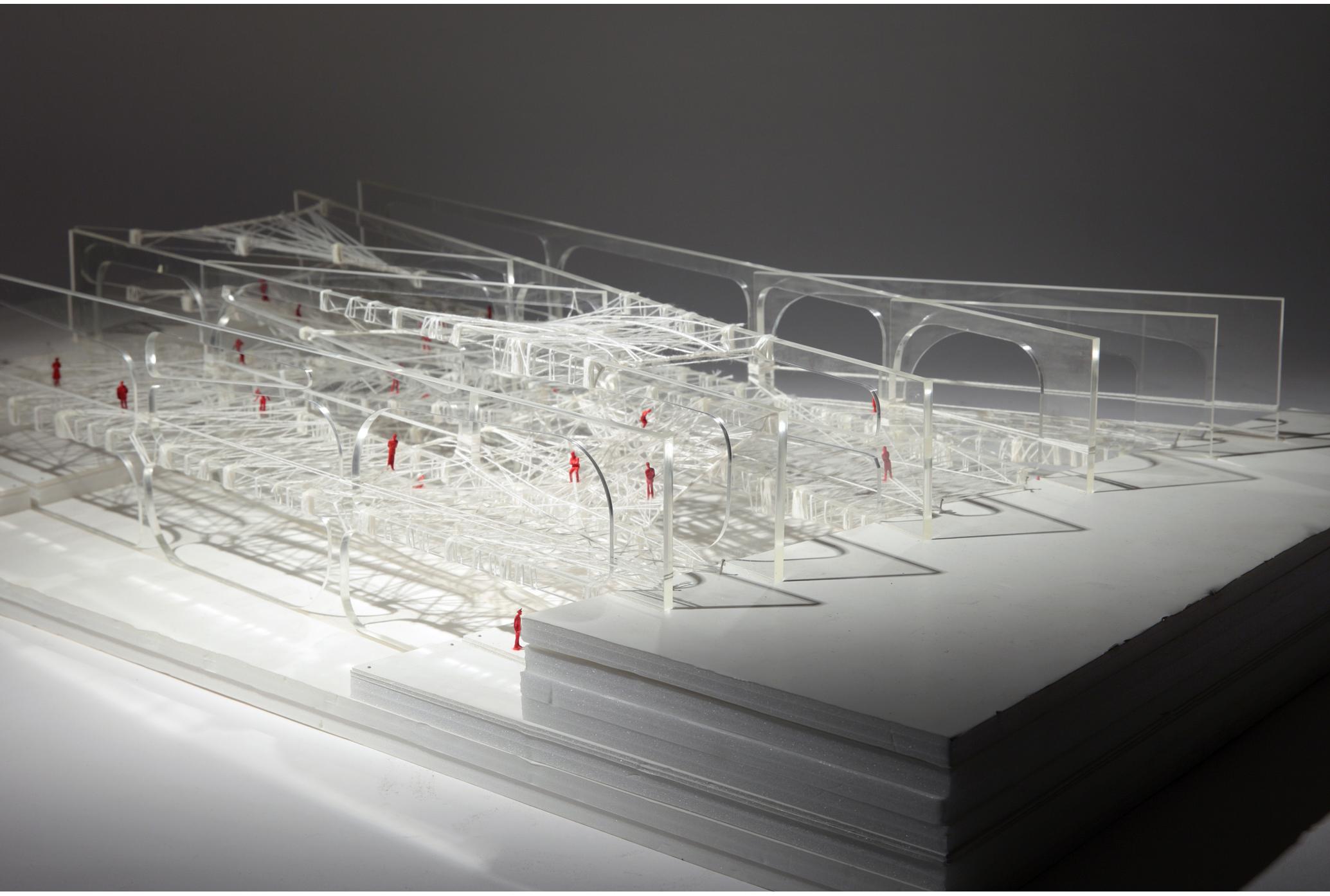




CONCEPTUAL DIAGRAM & STRUCTURE



△ A structural sequence and a decision making on frames



△

Model size : 280 * 500 * 260 mm
Study model : threads, wood and board
Points are based on drawing of structure[left]

△ Model size : 150 * 320 mm
Material : thread, acrylic board, line cap, and human figure