

Hogan Translated, Location: Round Rock, Arizona, Model: Ken Ferris

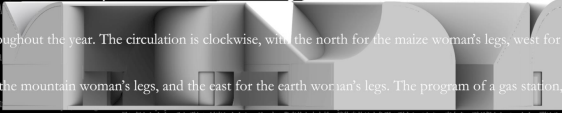
Este projeto é uma tentativa de compreender a tradição, não apenas como uma expressão linguística, mas como uma interface entre os meios

This project is an attempt to understand translation, not only as a linguistic conversion, but as an interface between the disparate and

seemingly incompatible mediums of language and space, all while embracing the things lost and gained in process.

This project attempts to mistranslate the Navajo Hogan, a sacred hexagonal wood log structure. It is a structure that attempts to

become a circle, but is limited by the linear nature of its material. Its entrance always faces the rising sun, facilitating varying eastern



entrances throughout the year. The circulation is clockwise, with the north for the maize woman's legs, west for the water woman's legs,

the south for the mountain woman's legs, and the east for the earth woman's legs. The program of a gas station, convenience store,

communal kitchen, workshops, and food collection are facilitated here for the community of Round Rock. They each correspond to

the representative directions within the hogan. The structure itself takes on the shape of the hexagon, with the eastern facing side kept

open. Each arm contains a different roof section, overlapping in the center to create a roof. This project attempts to understand

mistranslation in architecture, as spaces created by converging languages.

LES School, Location: New York, USA, Model: Ken Ferris

This project is a school centered on the education of earth and planetary studies, with an emphasis on physics and

gravitational sciences. The design of this school was based on the idea of a hand wrapping around an object, fingers

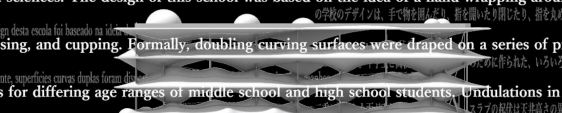
opening, closing, and cupping. Formally, doubling curving surfaces were draped on a series of programmed spheres

varying sizes for differing age ranges of middle school and high school students. Undulations in slabs create areas of

each slab creates an above and below condition that produces varying levels of privacy and exposure to light. Public

programs on the lower floors and roof are available to the surrounding community of the Lower East Side of New

York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.



Ken Hata Ferris Selected Works

Bronx Housing, Location: The Bronx, USA, Model: Ken Ferris and Juliana Yang

This project is suspended between a river and a community garden; by lifting the main volumes off the ground plane with long concrete

extrusions, the void becomes a device for integrating the river, street, and garden. At the same time, a major highway, which runs along the

back of the site, requires a less fragile posture in order to harbor an interior that can be quiet. The rear facade, therefore, is lined with

housing, the circulation cores are floored with tiles. The units are all floor through, with winter gardens facing west to the Harlem River. The

regularity of the structural grid, with its alternating pattern of 10 to 25 feet spans, affords the possibility for a variety of layout combinations,

from studios to three bedrooms. In this way, a simple grid finds room for closets, nooks, and niches alongside a large, open central space.



Amagansett Community Center, Location: The Hamptons, USA, Model by Ken Ferris

The project begins as two walls weaving together, held together by a calibrated balance of forces. Eight circles of varying radii

determine continuous lines of tangential loops, forming a helical composition that encapsulates disparate in-between spaces

that facilitate community and beach-going activities. Wind and water are responsible for sculpting the topography of this

ocean-side terrain. Yet, the proposal seeks to freeze a range of these capricious curves of sand as walls in a new architectural

ridgeline. Like a beach fence eroded by sand and time, these two walls become a subject of their environment, both supporting

and seeking support from the dune. The architecture unites the boundary of land and ocean, dune and beach. This architecture

facilitates a series of programs ranging from a lifeguard observation space, shared outdoor shower, gender-neutral bathrooms,

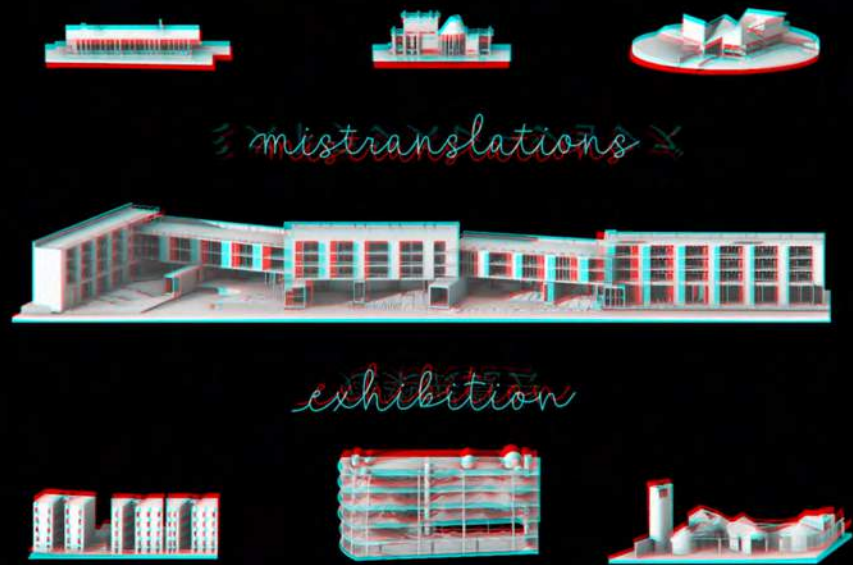




Projects:

<i>Title:</i>	<i>Type:</i>	<i>Personal/ Academic:</i>	<i>Collaborator:</i>	<i>Professor:</i>
Mistranslations _____	Exhibition _____	Personal (S.23) _____	Alex Vicente _____	
Hogan, Translated _____	C-Store _____	Academic (S.24) _____		Chris Cornelius (Adv VI)
Greenhouse 45 _____	Greenhouse _____	Academic (F.24) _____		Phillipe Rahm (Adv V)
School of Gravity _____	School _____	Academic (S.22) _____		Amina Blacksher (Core II)
On Water _____	Housing _____	Academic (F.23) _____	Juliana Yang _____	Hilary Sample (Core III)
In Dune _____	Comm. Center _____	Academic (S.23) _____		Robert Marino (Adv IV)

Translation is not limited to the conversion of one language into another. It is a diffusion between mediums, dependent on a hierarchical synthesis of concepts between ambiguous yet demarcated layers. The act of adapting information is an intrinsically imperfect operation: a simultaneous interpretation, where conscious and unconscious decisions influence output. Ideas are often complex and convoluted, with constituents inevitably added or subtracted in the process. Similar to translators, architects interpret concepts to drawings that will eventually make buildings. Converting two-dimensional representation into three-dimensional space inevitably produces errors in translation which accumulate regardless of an author's cognizance. In drawing the two simple lines

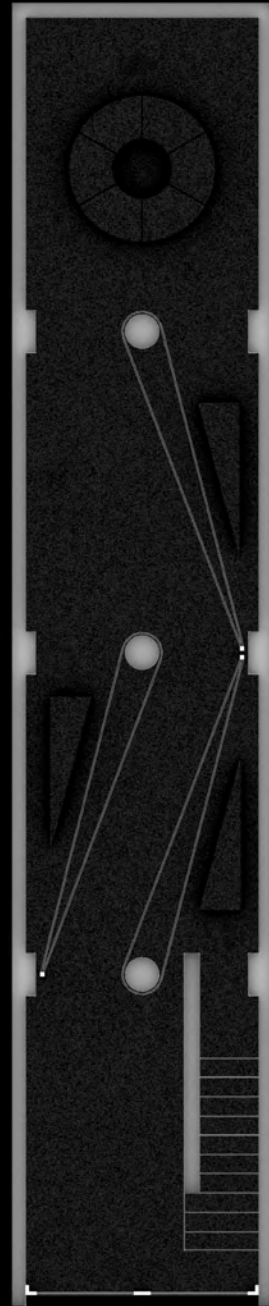


of a wall in an architectural drawing labor, material, and money will be necessitated in three-dimensional space. Mistranslations transpire as imprints of abraded graphite funnel from paper to screen, self-assembling into agglomerations of quadratic pixels, returning from the cybernetic to composites of timber, stone, and metal. As the cyclical pathways from the analog and digital become well-traversed, the resulting bumps and bruises create transmission losses that remain vestiges of space. Built mistranslations assume the form of a language that can be comprehended outside of semantics. These ambiguous translational intersections between rhetoric, representation, and reality were investigated in this exhibition.

Title: Mistranslations _____ *Type:* Exhibition _____ *Personal/Academic:* Personal _____ *Collaborator:* Alexandre Vicente _____ *Professor:* _____







Nibonbashi Gallery Exhibition Plan





Towards Entrance



Double Height Space



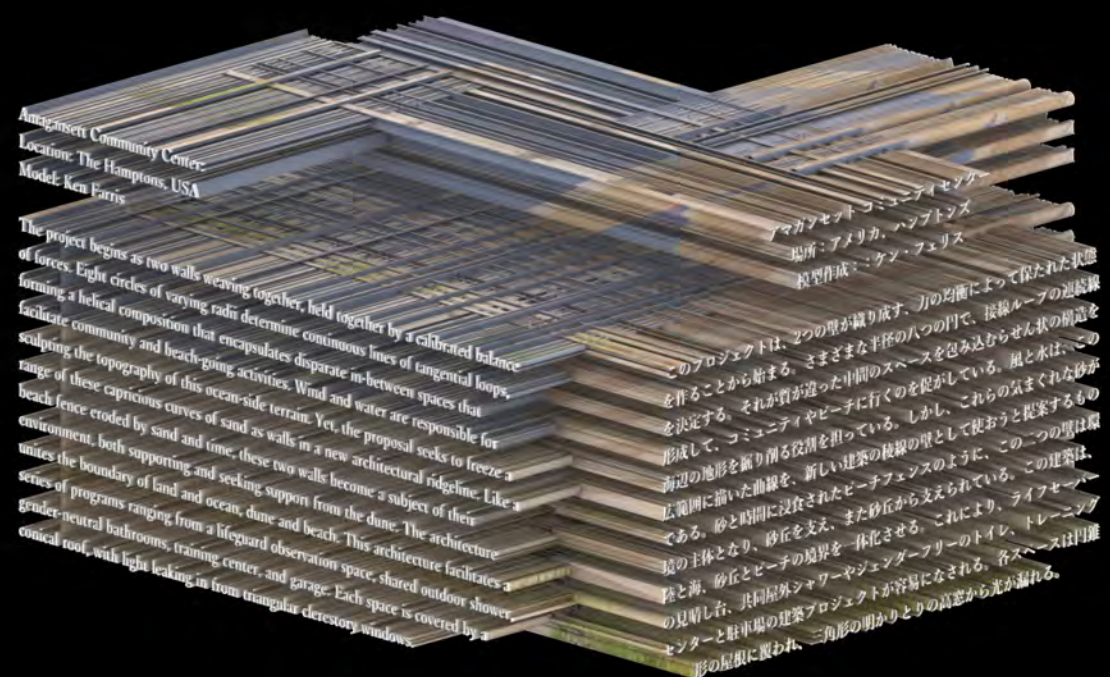
Bronx Housing
 Location: The Bronx, USA
 Model: Ken Farris and Juliana Yang

This project is suspended between a river and a community garden, by lifting the main volumes off the ground plane with low, concrete extrusions, the void becomes a device for integrating the river, street, and garden. At the same time, a major highway, which runs along the back of the site, requires a less fragile posture in order to harbor an interior that can be quiet. The rear facade, therefore, is lined with deep-planted balconies. There are no corridors in the building, instead, there are an abundance of elevators and staircases, which serve the two adjacent units at every level. Vertical neighbors, therefore, interact at a smaller-than-building scale. Bringing some landscape up into the housing, the circulation cores are floored with tiles. The units are all floor through, with winter gardens facing west to the Harlem River. The regularity of the structural grid, from studios to three bedrooms. In this way, a simple grid finds room for closets, nooks, and niches alongside a large, open central space.

ブロンクスの集合住宅
 場所：アメリカ、ブロンクス
 模型作成：ケン・フェリス、ジュリア・ヤング

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を低いコンクリートの張り出しにより地面から立ち上げることで、その空間が川、道路、ガーデンを一体化させるデバイスになる。同時に、敷地の裏側には主要道路が走っているため、静かな室内を確保するためには、より強靱な構造が必要である。そのため、背面側には深い植栽のバルコニーが並んでいる。建物内には廊下がなく、その代わりにエレベーターと階段がたくさんあり、隣接する二つの住居ユニットに各階でつながっている。したがって、共用の回廊はタイムリリーな空間になっている。住居ユニットは床続きのワンフロアで、西のハレム川に面しウィンドウ・ガーデンがある。40フィート（約12メートル）から25フィート（約7.6メートル）まで、さまざまな間取りの重み合いの規則性は、スタジオから3ベッドルームまで、さまざまな間取りの重み合いの可能性がある。このように、シンプルな構造によって、広く開放的な中央の空間と同様に、クローゼット、ヌークやニッチといった狭小なスペースが生まれ出される。

Mistranslation by Extruded Form



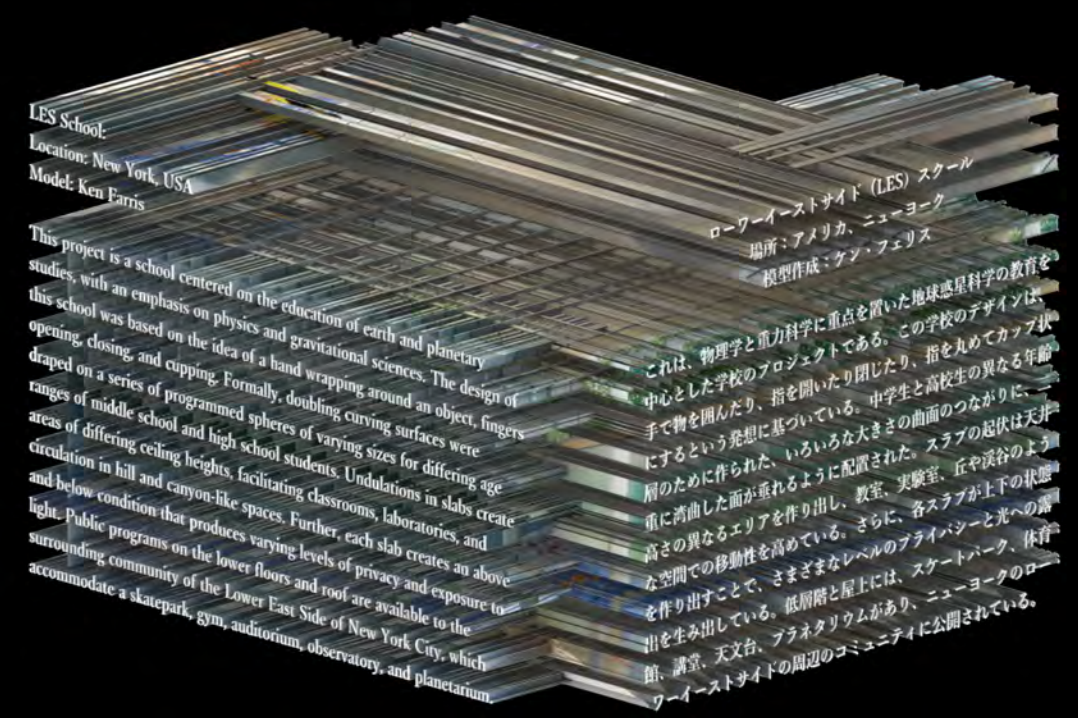
Amegastri Community Center
 Location: The Hamptons, USA
 Model: Ken Farris

The project begins as two walls weaving together, held together by a calibrated balance of forces. Eight circles of varying radii determine continuous lines of tangential loops, forming a helical composition that encapsulates disparate in-between spaces that facilitate community and beach-going activities. Wind and water are responsible for sculpting the topography of this ocean-side terrain. Yet, the proposal seeks to freeze a range of these capricious curves of sand as walls in a new architectural ridgeline. Like a beach fence eroded by sand and time, these two walls become a subject of their environment, both supporting and seeking support from the dune. The architecture unites the boundary of land and ocean, dune and beach. This architecture facilitates a series of programs ranging from a lifeguard observation space, shared outdoor shower, gender-neutral bathrooms, training center, and garage. Each space is covered by a conical roof, with light leaking in from triangular clerestory windows.

アメガストリコミュニティセンター
 場所：アメリカ、ハマプトンズ
 模型作成：ケン・フェリス

このプロジェクトは、2つの壁が織り成す、力の均衡によって保たれた状態から始まる。さまざまな半径の八つの円が、接線ループの連続線を作ることで、それが交差した中間のスペースを包み込むらせん状の構造を形成して、コミュニティやビーチに行くのを促している。風と水は、この海辺の地形を彫り開く役割を担っている。しかし、これらの気まぐれな砂の広範囲に描いた曲線を、新しい建築の稜線の壁として使おうと提案するものである。砂と時間によって浸食されたビーチフェンスのように、この建築は、砂と海、砂丘とビーチの境界を一体化させる。これにより、ライフセーバーの見守り台、共同屋外シャワー・ラウンジ、トレーニングセンター、中央のV字センターと駐車場の建築プロジェクトが容易になされる。各スペースは円錐形の屋根に覆われ、三角形の明かり通りの高さから光が漏れる。

English, Japanese, Portuguese Overlapped

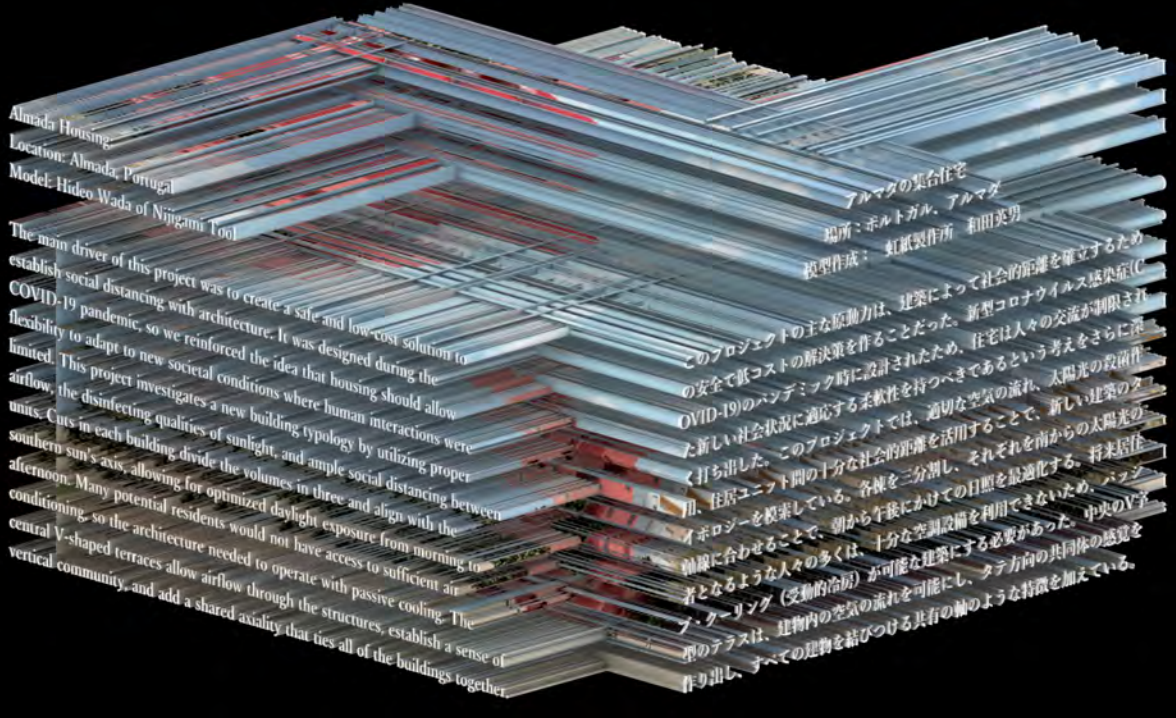


LES School
 Location: New York, USA
 Model: Ken Farris

This project is a school centered on the education of earth and planetary studies, with an emphasis on physics and gravitational sciences. The design of this school was based on the idea of a hand wrapping around an object, fingers opening, closing, and cupping. Formally, doubling curving surfaces were draped on a series of programmed spheres of varying sizes for differing age ranges of middle school and high school students. Undulations in slabs create areas of differing ceiling heights, facilitating classrooms, laboratories, and circulation in hill and canyon-like spaces. Further, each slab creates an above and below condition that produces varying levels of privacy and exposure to light. Public programs on the lower floors and roof are available to the surrounding community of the Lower East Side of New York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.

ローウイーストサイド (LES) スクール
 場所：アメリカ、ニューヨーク
 模型作成：ケン・フェリス

これは、物理学と重力科学に重点を置いた地球惑星科学の教育を中心とした学校のプロジェクトである。この学校のデザインは、手で物を握んだり、指を開いたり閉じたり、指を丸めてカップ状にするという発想に基づいている。中学生と高校生の異なる年齢層のために作られた、いろいろな大きさの曲面のつながりに、二重に湾曲した面が重なるように配置された。スラブの起伏は天井の高さの異なるエリアを作り出し、教室、実験室、丘や峡谷のような空間での移動性を高めている。さらに、各スラブが上下の状態を作り出すことで、さまざまなレベルのプライバシーと光への露出を生み出している。低層階と屋上には、スケートパーク、体育館、講堂、天文台、プラネタリウムがあり、ニューヨークのローウイーストサイドの周辺のコミュニティに公開されている。



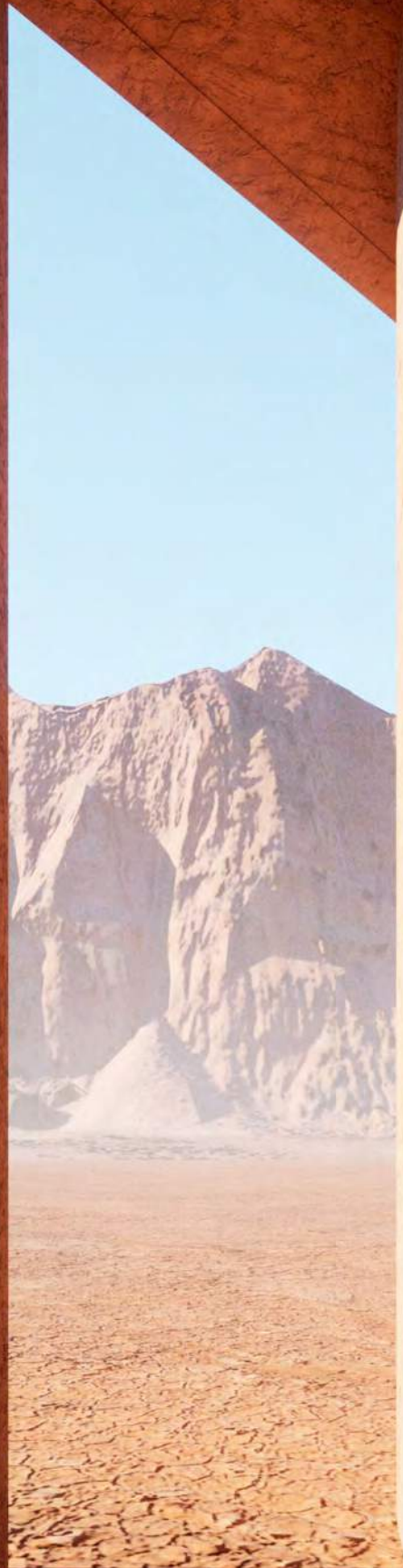
Almada Housing
 Location: Almada, Portugal
 Model: Hideo Wada of Nijizami Tool

The main driver of this project was to create a safe and low-cost solution to establish social distancing with architecture. It was designed during the COVID-19 pandemic, so we reinforced the idea that housing should allow flexibility to adapt to new societal conditions where human interactions were limited. This project investigates a new building typology by utilizing proper airflow, the disinfecting qualities of sunlight, and ample social distancing between units. Cuts in each building divide the volumes in three and align with the southern sun's axis, allowing for optimized daylight exposure from morning to afternoon. Many potential residents would not have access to sufficient air conditioning, so the architecture needed to operate with passive cooling. The central V-shaped terraces allow airflow through the structures, establish a sense of vertical community, and add a shared axiality that ties all of the buildings together.

アルマダの集合住宅
 場所：ポルトガル、アルマダ
 模型作成：虹紙製作所 和田英男

このプロジェクトの主な原動力は、建築によって社会的距離を確立するための安全で低コストの解決策を作ることだった。新型コロナウイルス感染症(COVID-19)のパンデミック時に設計されたため、住宅は人々の交流をさらに制限した新しい社会状況に適応する柔軟性を持つべきであるという考えをさらに深く打ち出した。このプロジェクトでは、適切な空気の流れ、太陽光の殺菌作用、住居ユニット間の十分な社会的距離を確保すること、新しい建築のタイプロジーを提案している。各棟を三分割し、それを南からの太陽光の照射に合わせることで、朝から午後にかけての日照を最適化する。パッシブ冷却に合わせることで、朝から午後にかけての日照を最適化するため、パッシブ冷却による人々の多くは、十分な空調設備を利用できないため、中央のV字テラス（受動的冷房）が可能な建築にする必要があった。中央のV字テラスは、建物内の空気の流れを可能にし、タワー方向の共同体の感覚を作り出し、すべての建物を結びつける共有の軸のような特徴を加えている。





Hogan Translated, Location: Round Rock, Arizona, Model: Ken Farris

Este projeto é uma tentativa de compreender a tradução, não apenas como uma conversão linguística, mas como uma interface entre os meios

This project is an attempt to understand translation, not only as a linguistic conversion, but as an interface between the disparate and disparate e aparentemente incompatíveis da linguagem e do espaço, ao mesmo tempo que abraça as crises perdidas e ganhas no processo.

ホーガン翻訳、場所:アリゾナ州ラウンドロック、モデル:ケン・ファリス

seemingly incompatible mediums of language and space, all while embracing the things lost and gained in process.

Este projeto tenta traduzir erroneamente o Navajo Hogan, uma estrutura sagrada de madeira hexagonal. É uma estrutura que tenta se tornar um

このプロジェクトは、翻訳を言語変換としてだけでなく、異なる言語と言語の間のインターフェースとして理解する試みです。言語と空間という見難くない媒体が、その過程で失

This project attempts to mistranslate the Navajo Hogan, a sacred hexagonal wood log structure. It is a structure that attempts to

círculo, mas é limitada pela natureza linear do seu material. A sua entrada está sempre voltada para o sol nascente, facilitando diversas entradas

become a circle, but is limited by the linear nature of its material. Its entrance always faces the rising sun, facilitating varying eastern

nascente ao longo do ano.

entrances throughout the year. The circulation is clockwise, with the north for the maize woman's legs, west for the water woman's legs,

água, o sul para as pernas da

the south for the mountain woman's legs, and the east for the earth woman's legs. The program of a gas station, convenience store,

conveniência, cozinha comu

communal kitchen, workshops, and water collection are facilitated here for the community of Round Rock. They each correspond to

as direções representativas dentro do hogan. A própria estrutura assume a forma de um hexágono, mantendo-se o lado oriental aberto. Cada braço

que contém uma seção de telhado diferente, sobreposta no centro para criar um telhado. Este projeto tenta compreender os erros de tradução na

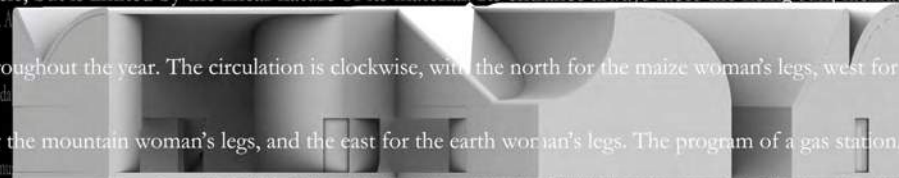
the representative directions within the hogan. The structure itself takes on the shape of the hexagon, with the eastern facing side kept

contém uma seção de telhado diferente, sobreposta no centro para criar um telhado. Este projeto tenta compreender os erros de tradução na

open. Each arm contains a different roof section, overlapping in the center to create a roof. This project attempts to understand

arquitectura, como espaços criados por linguagens convergentes.

mistranslation in architecture, as spaces created by converging languages.



Title:

Hogan, Translated

Type:

C-Store

Personal/ Academic:

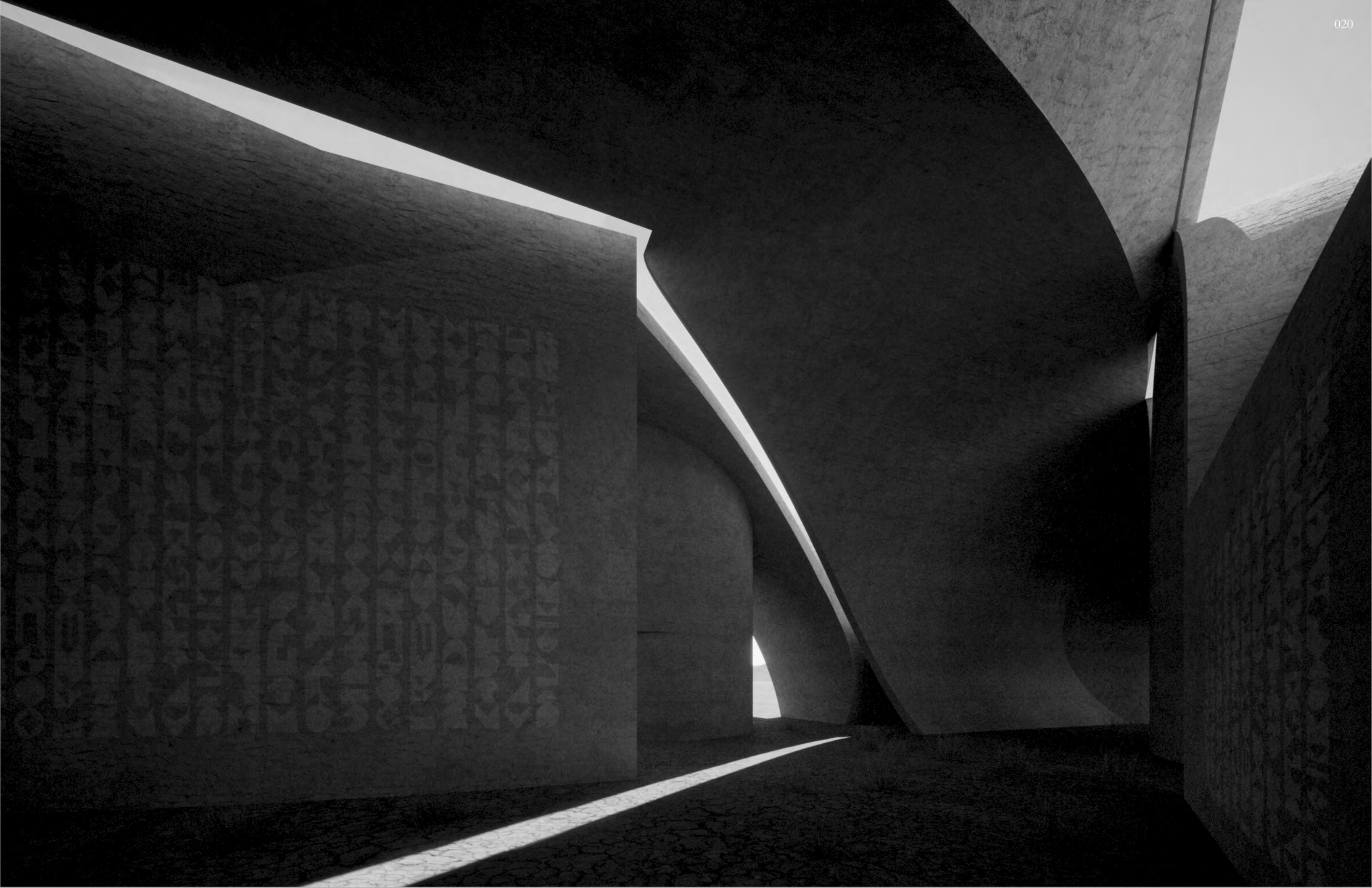
Academic (S.24)

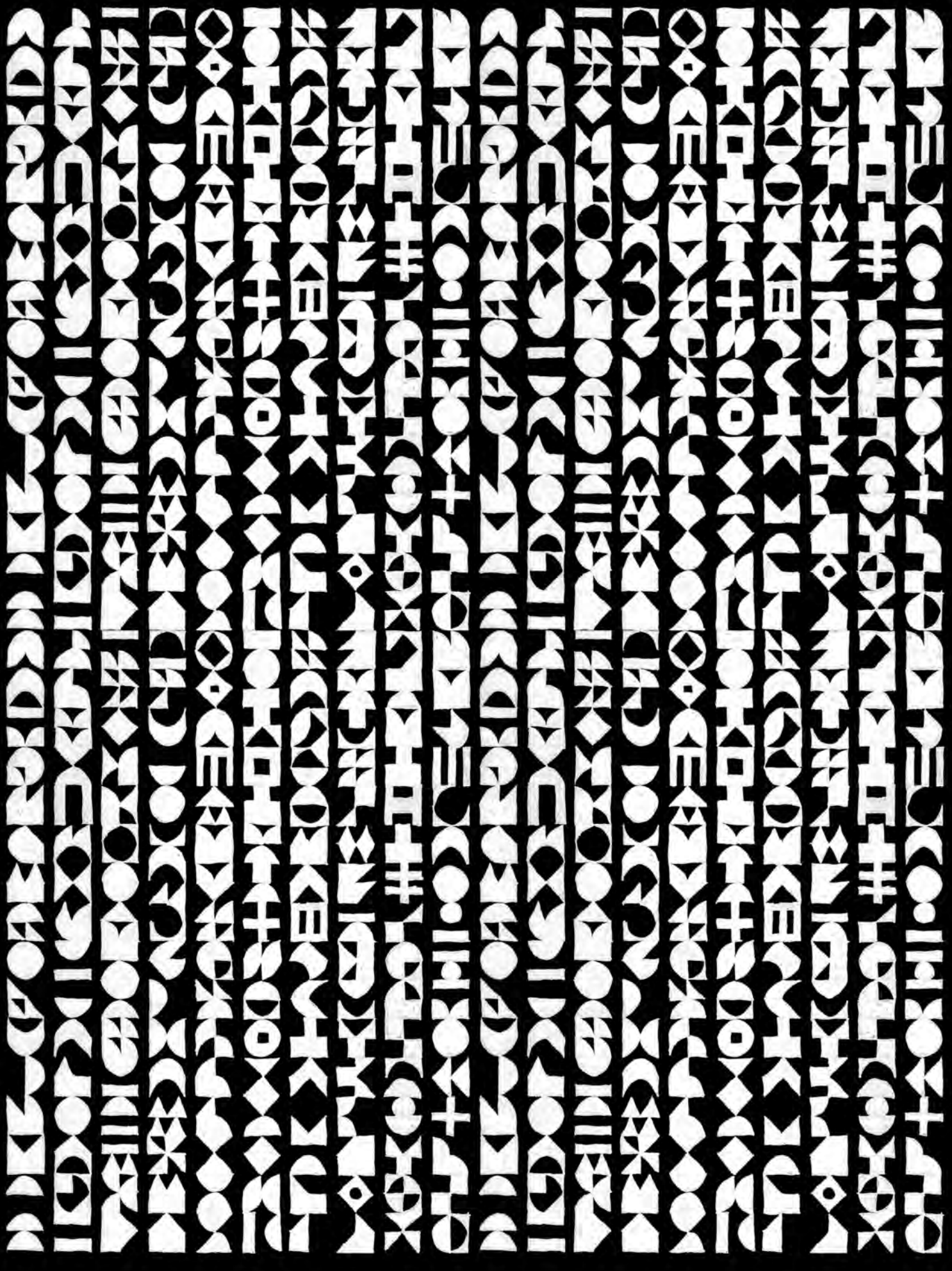
Collaborator:

Chris Cornelius (Adv VI)

Professor:

Chris Cornelius (Adv VI)





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892

A	B	C	D	E
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P	Q	R	S	T
U	V	W	X	Y

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Handwritten Chinese characters: 山 水 山 水 山 水

Handwritten Chinese characters: 山 水 山 水 山 水

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HOT ROCKS

E2
 R5
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 C15
 C6
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R16 V1 R4 C2 R3 R2 C3 R19 VS R17 L1 C17 R18 R20 R21
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 R11
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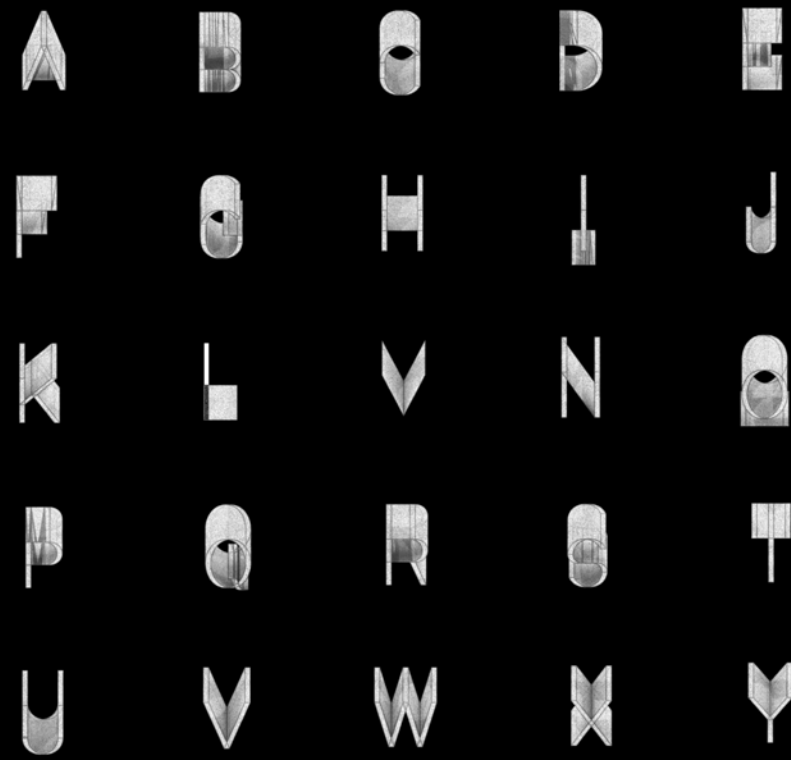
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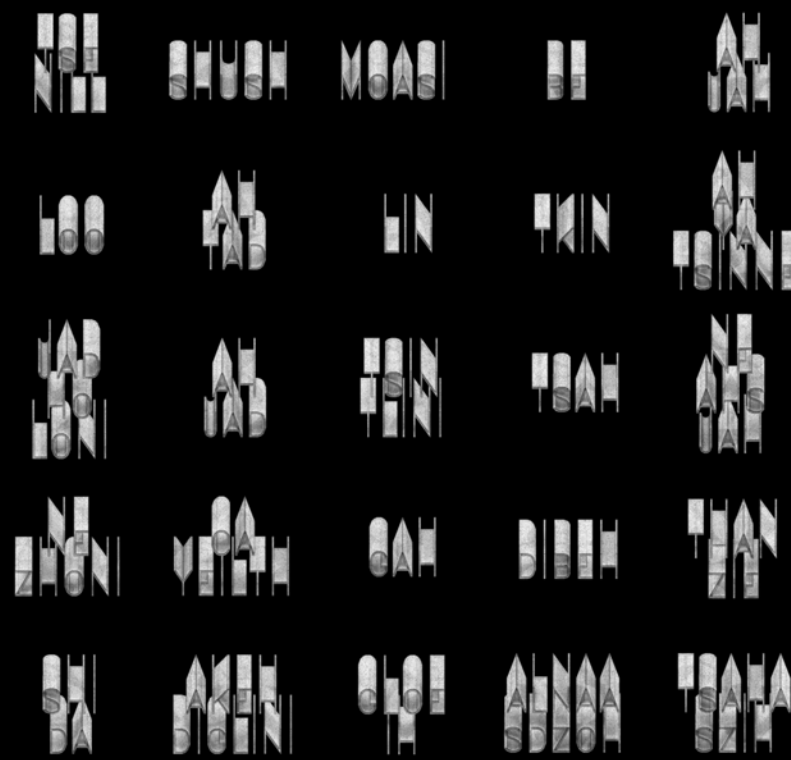
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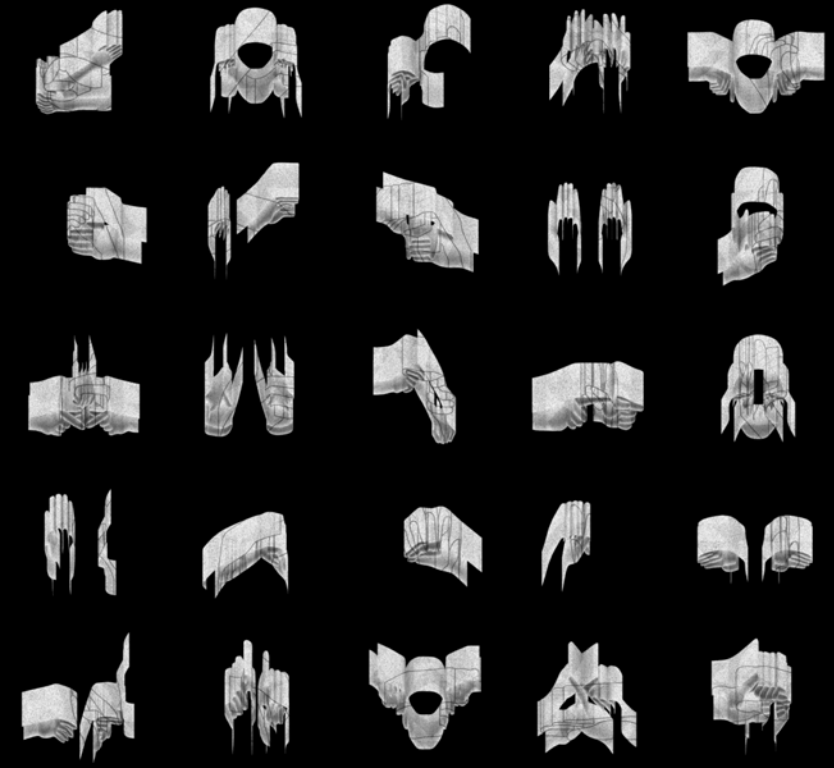
English Alphabet



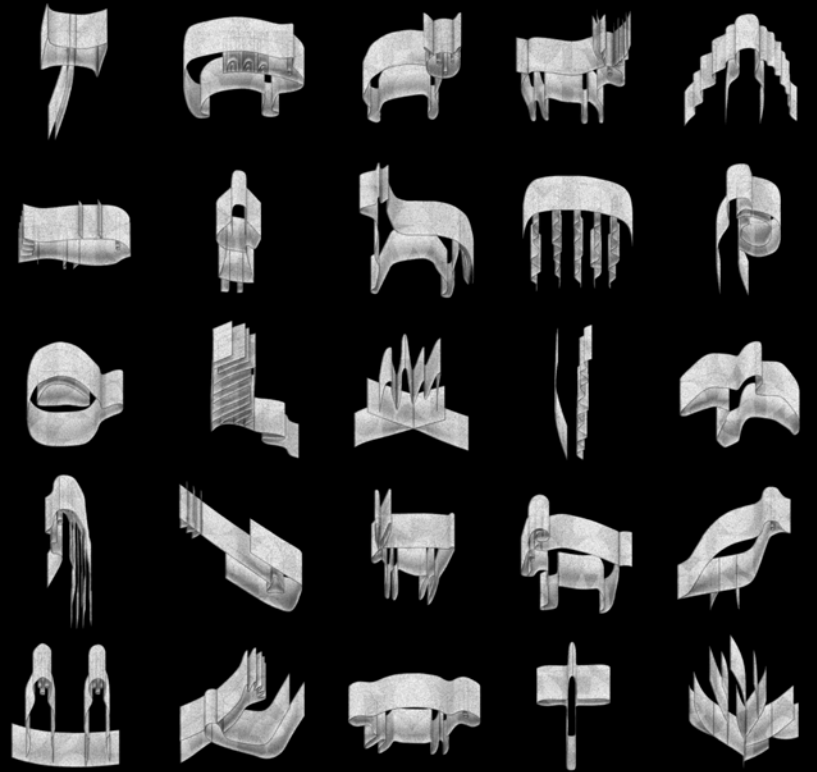
Navajo Code

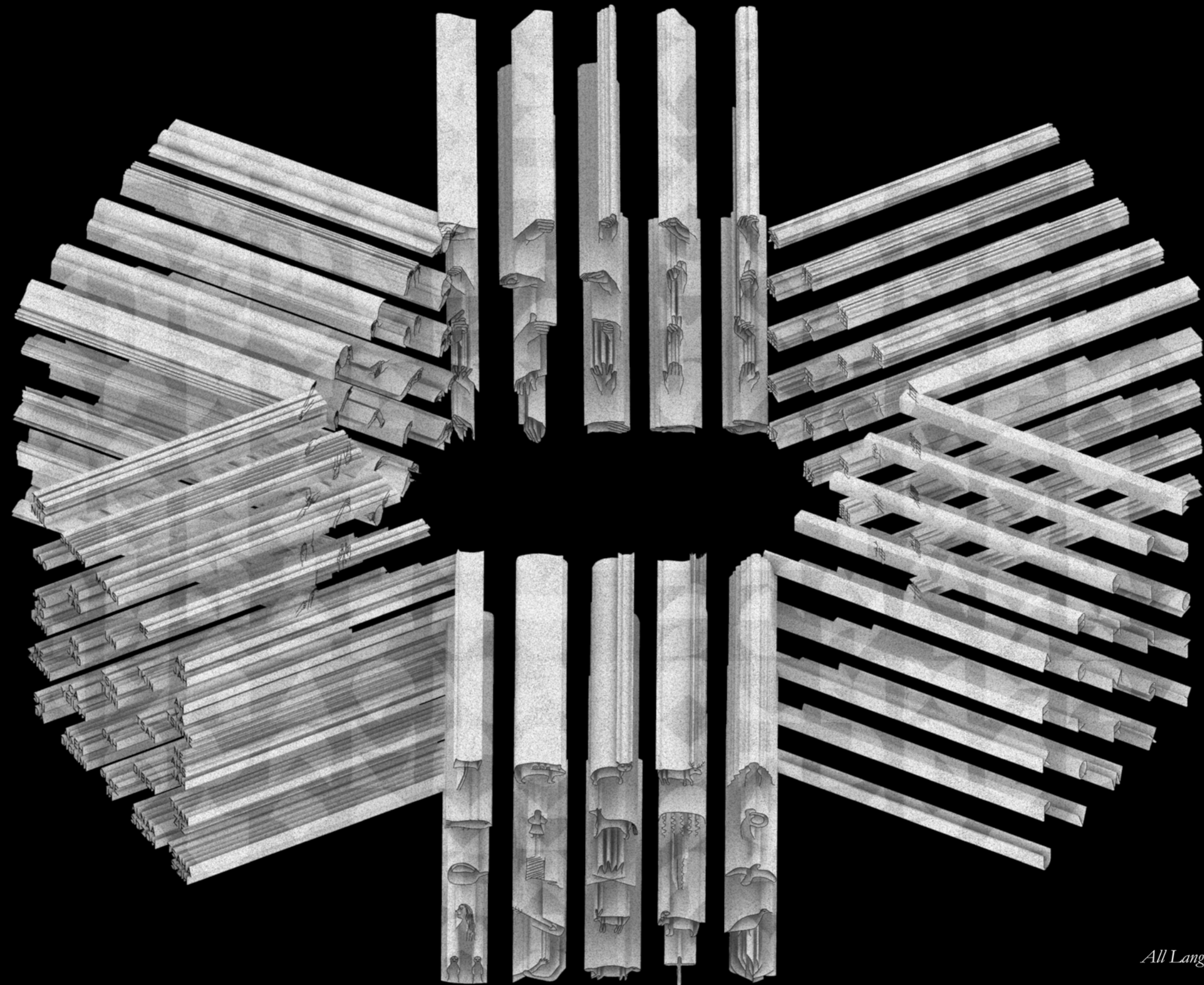


Indigenous Sign Language



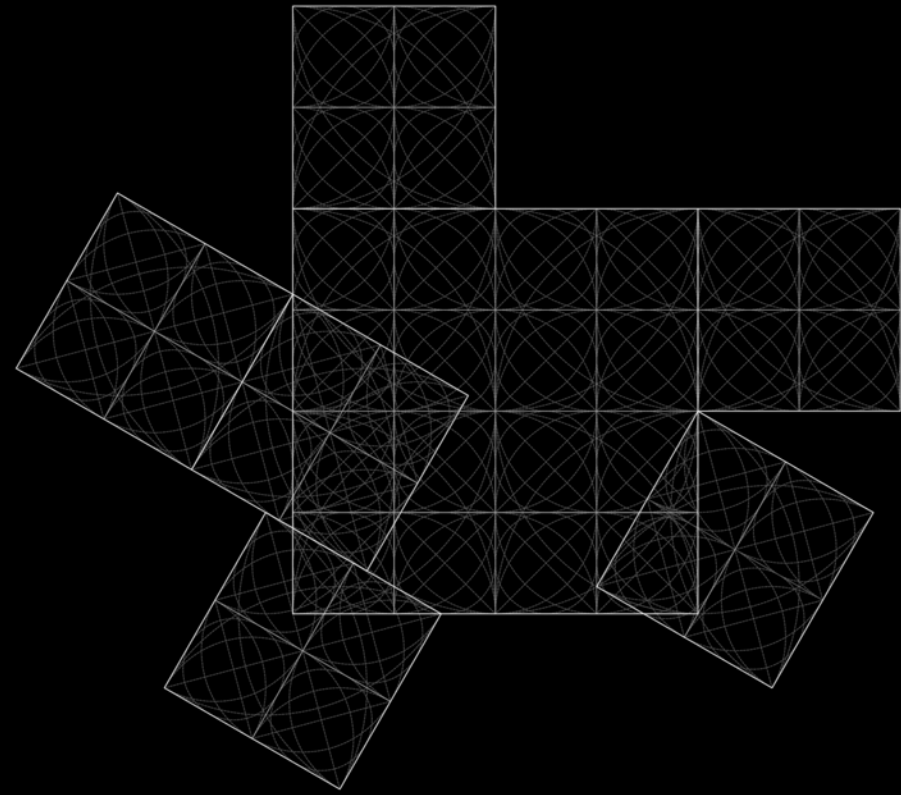
Pictographs



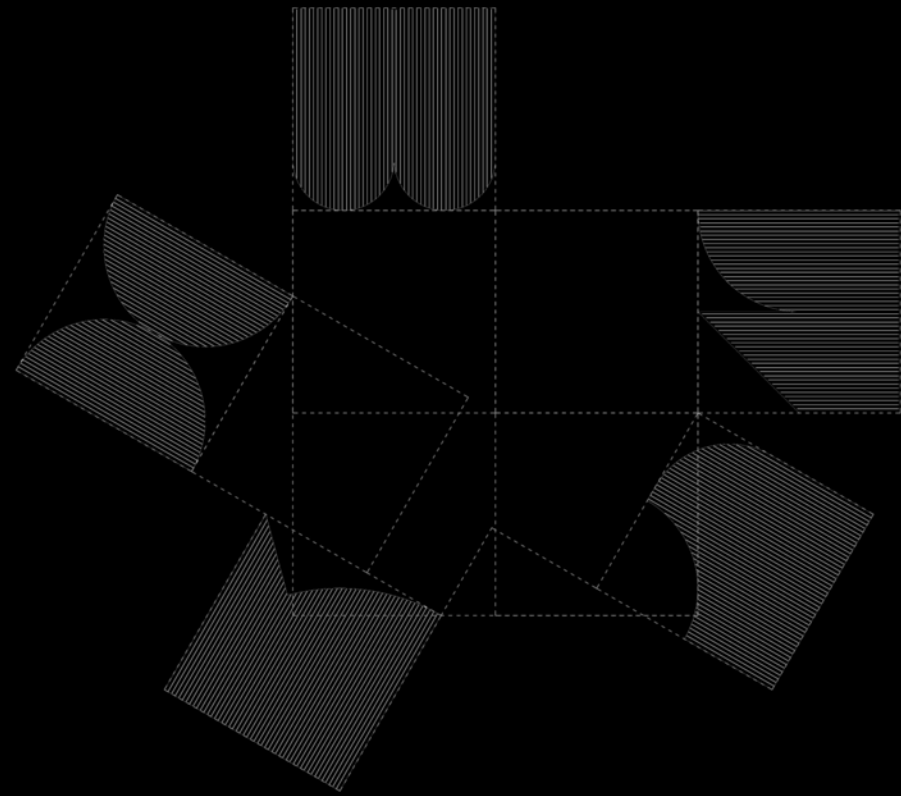


All Languages Intersecting, All at Once

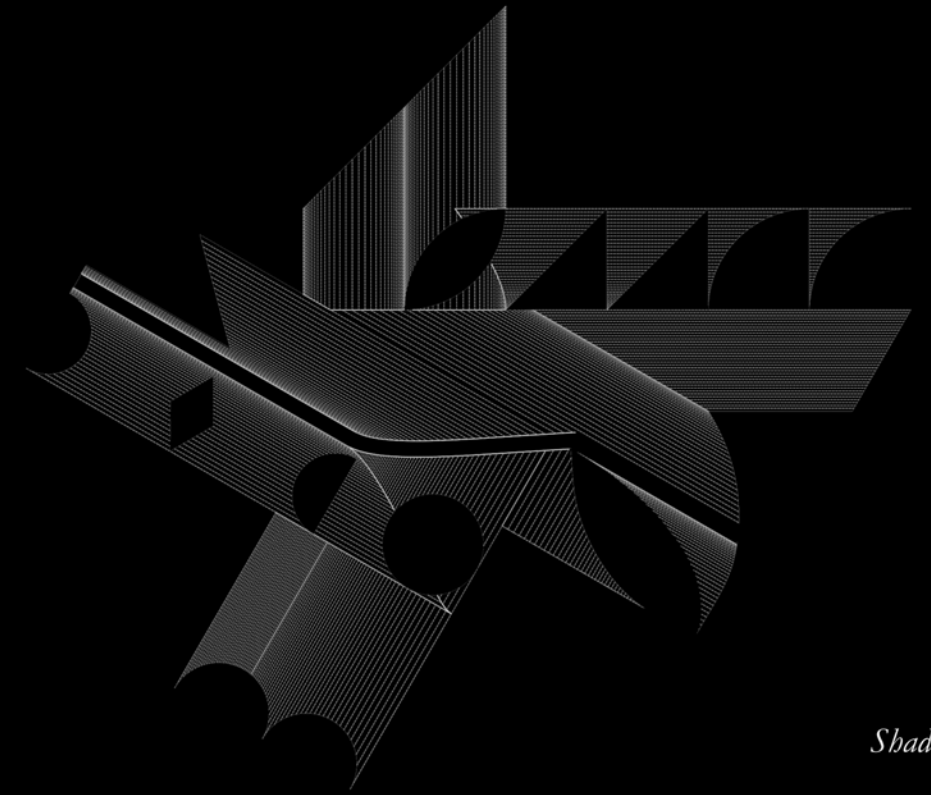




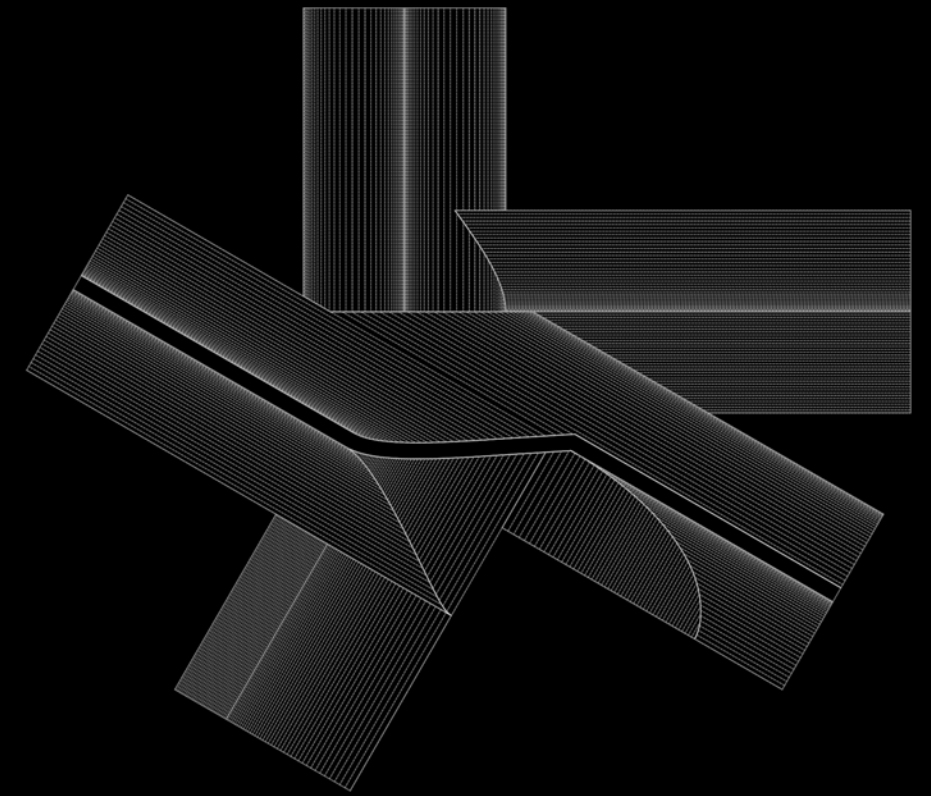
Symbol Grid



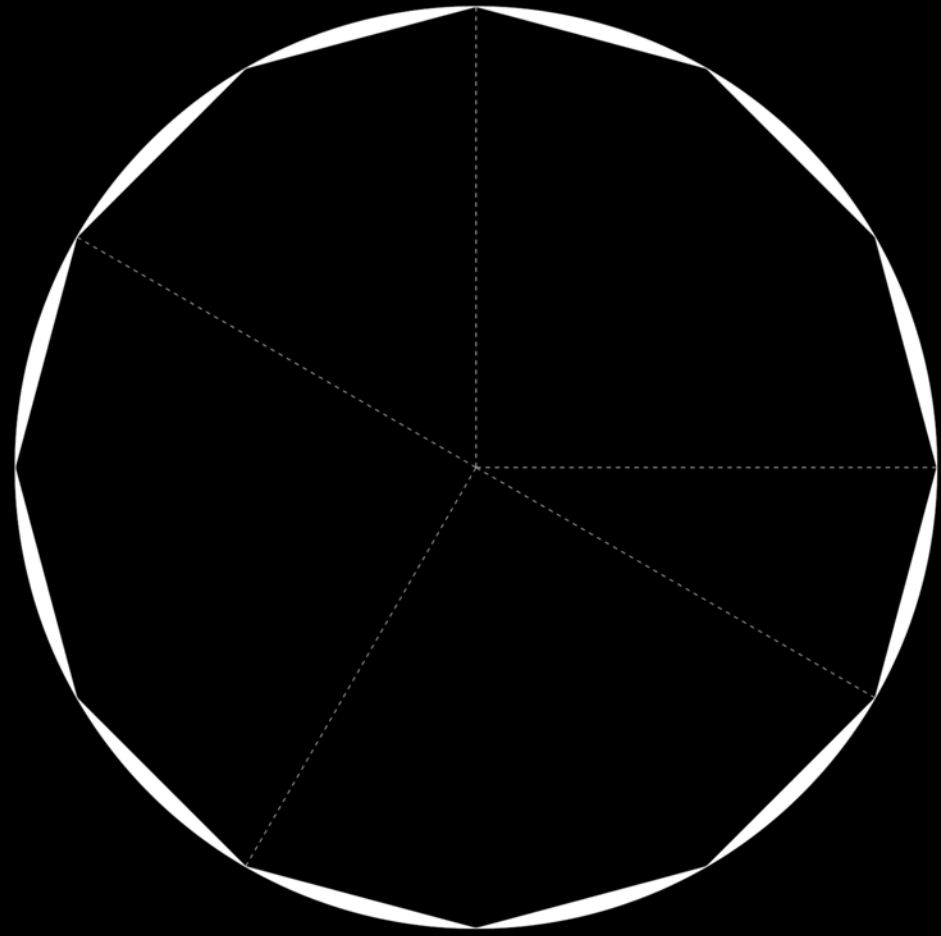
Extruded Sections



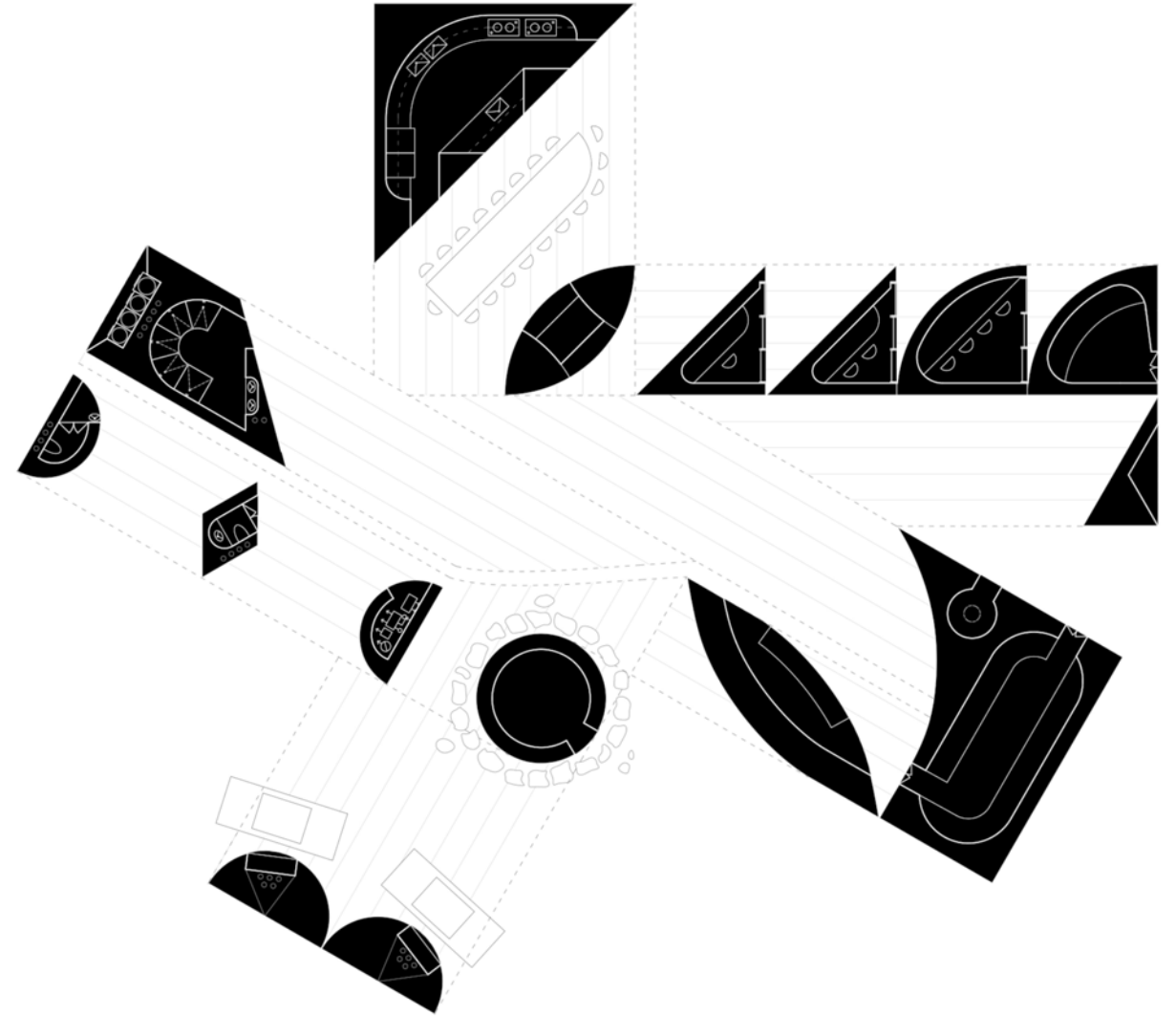
Shadowed Space



Roof Form



Line within Circle: Abstracted Hogan



C-Store Plan: Kitchen, Gas Station, Showers, Offices, also included

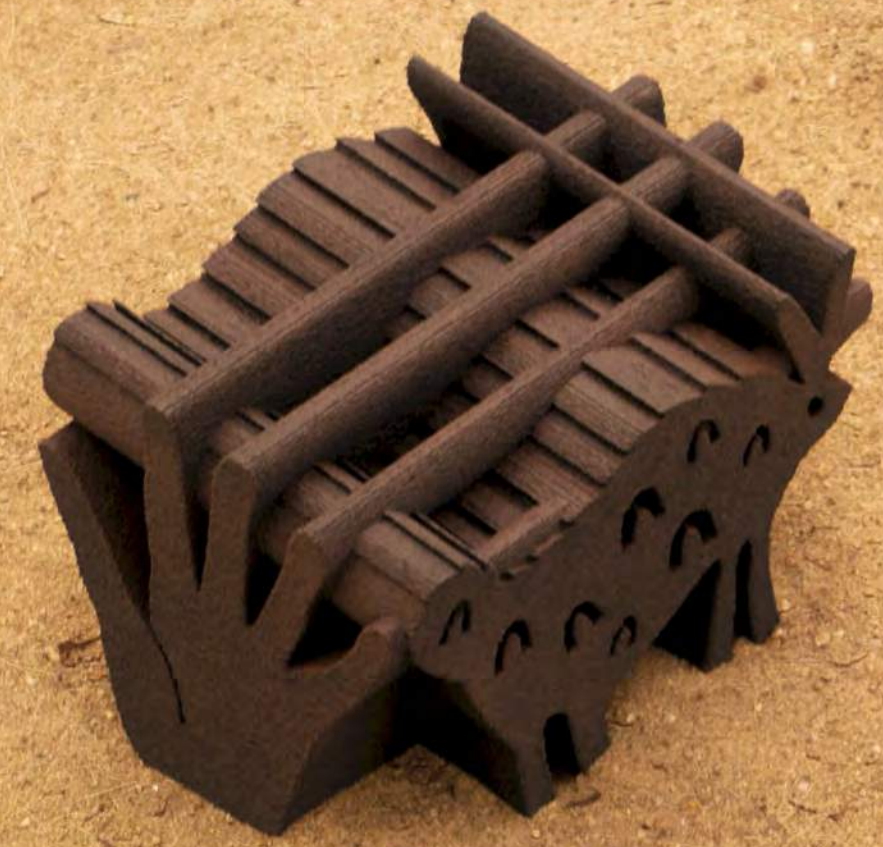


Model embedded in Earth





Roof in Landscape



Sign Language and Pictograph Overlap





Greenhouse 45, Localização: Harlem, EUA, Maquete: Ken Farris

Greenhouse 45, Location: Harlem, USA, Model: Ken Farris

A portaria de granito e aço na West 119th Street foi construída durante o surto de cólera da década de 1920, atendendo a uma necessidade de acesso a

建築家: ケン・ファリス, モデル: ケン・ファリス

The granite and steel gatehouse on West 119th Street was built during the cholera outbreak of the 1920s, fulfilling a need for access to clean water in the island of Manhattan. O programa de estufas, desenvolvido no contexto de preservação de plantas em uma emergência climática,

西119番街にある石造りの守衛所は、1920年代のコレラの流行中に建てられ、島へのアクセスの必要性を満たしていました。

generates an alternative definition of value on land that has, over time, accrued monetary and historic worth. My adaptive re-use project at this site retains much of the existing building material, and strategically re-oriens the structure to prioritize plants and their solar radiation needs. O triângulo retângulo oferece dois efeitos significativos: primeiro, densifica a área disponível do pequeno terreno olhando para cima, e segundo, a longa hipotenusa maximiza a luz solar do sul para o interior escuro.

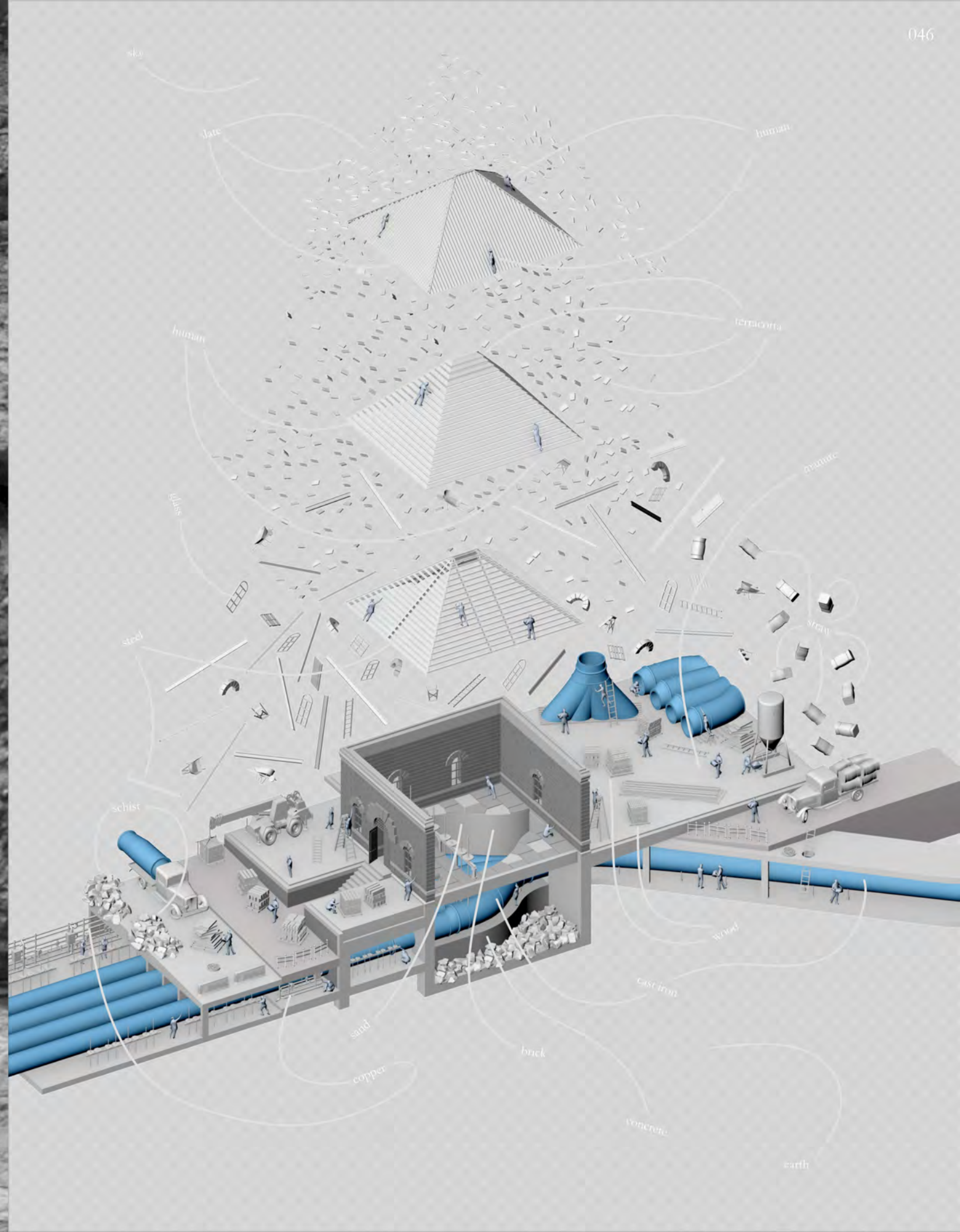


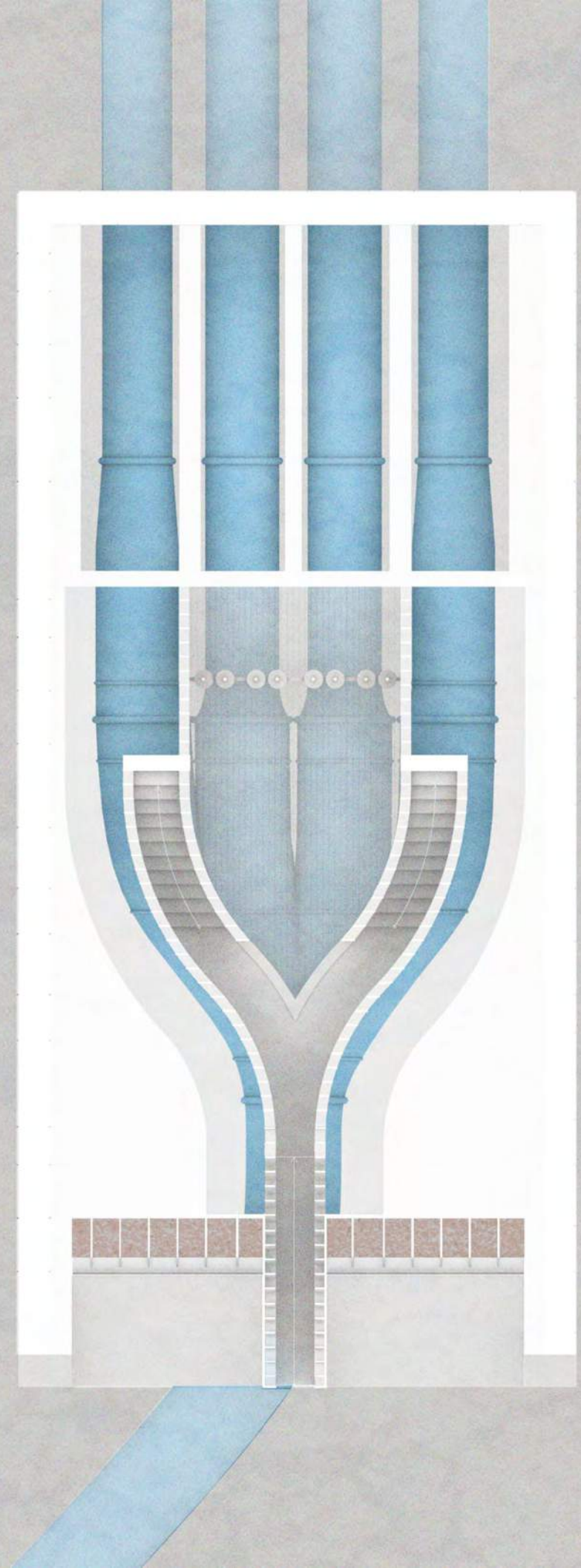
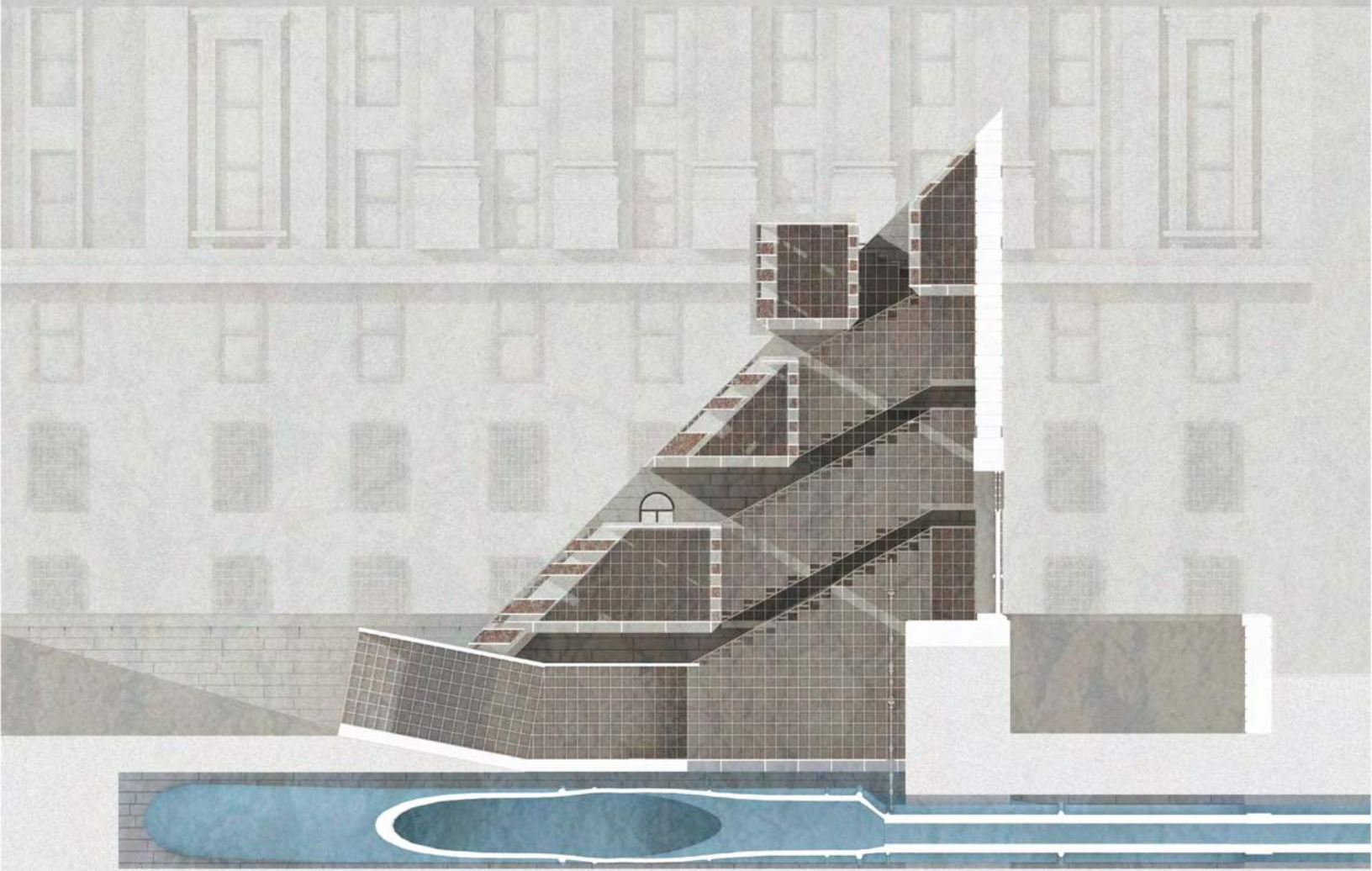
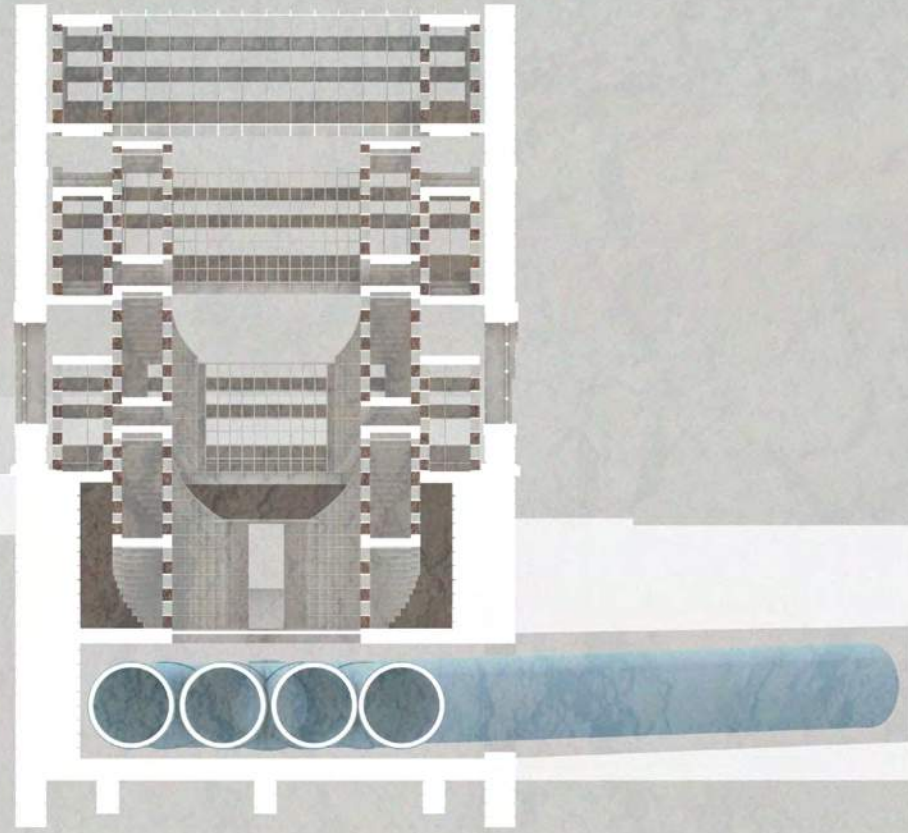
while the native New York plants grow along the south wall. In the summers, the highest point of the structure receives over 12 hours of sunlight per day, supporting arctic plants especially. The triangle building is an altered memory of the rectangle with a pitched roof, an old emblem of the city's modernization of infrastructure and interest in engineering hygienic water.

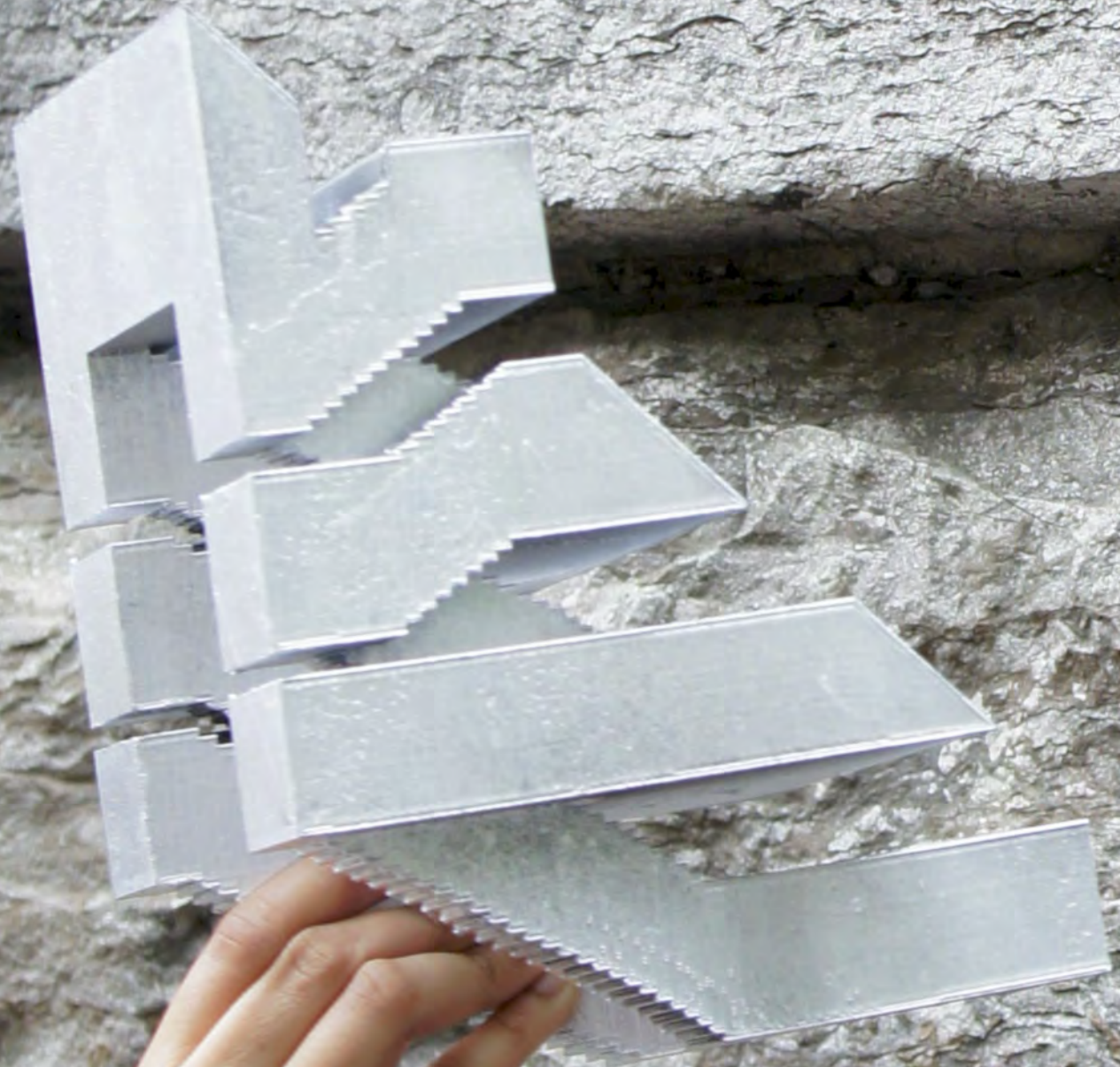
enquanto as plantas nativas de Nova York crescem ao longo da parede sul. No verão, o ponto mais alto da estrutura recebe mais de 12 horas de luz solar por dia, apoiando especialmente as plantas árticas. O edifício triangular é uma memória alterada do retângulo com um telhado inclinado, um antigo emblema da modernização da infraestrutura da cidade e do interesse na engenharia de água higiênica.

embem da modernização da infraestrutura da cidade e do interesse na engenharia de água higiênica.

Title:	Type:	Personal/ Academic:	Collaborator:	Professor:
Greenhouse 45	Greenhouse	Academic (F.24)		Phillipe Rahm (Adv V)









moss campion
plant height range: 3 - 15 cm
root depth range: 5 - 10 cm



dwarf willow
plant height range: 5 - 60 cm
root depth range: 10 - 50 cm



purple mountain saxifrage
plant height range: 8 - 15 cm
root depth range: 8 - 10 cm



tundra rose
plant height range: 5 - 20 cm
root depth range: 5 - 10 cm



arctic moss
plant height range: 1 - 5 cm
root depth range: 0 cm

9 cm
8 cm
7 cm
6 cm
5 cm
4 cm
3 cm
2 cm
1 cm



pasque flower
plant height range: 5 - 15 cm
root depth range: 5 - 10 cm



arctic crocus
plant height range: 5 - 15 cm
root depth range: 5 - 10 cm



snow gentian
plant height range: 5 - 20 cm
root depth range: 5 - 10 cm



reindeer moss
plant height range: 1 - 10 cm
root depth range: 0 cm

11 cm
10 cm
9 cm
8 cm
7 cm
6 cm
5 cm
4 cm
3 cm
2 cm
1 cm



saskatoon berry
plant height range: 30 - 200 cm
root depth range: 30 - 60 cm



arctic poppy
plant height range: 5 - 20 cm
root depth range: 5 - 10 cm



mountain avens
plant height range: 5 - 20 cm
root depth range: 5 - 10 cm



arctic willow
plant height range: 15 - 60 cm
root depth range: 15 - 30 cm

17 cm
16 cm
15 cm
14 cm
13 cm
12 cm
11 cm
10 cm
9 cm
8 cm
7 cm
6 cm
5 cm
4 cm
3 cm
2 cm
1 cm



labrador tea shrub
plant height range: 30 - 100 cm
root depth range: 15 - 30 cm



arctic lupine
plant height range: 5 - 30 cm
root depth range: 5 - 15 cm



cottongrass
plant height range: 20 - 60 cm
root depth range: 15 - 30 cm

33 cm
32 cm
31 cm
30 cm
29 cm
28 cm
27 cm
26 cm
25 cm
24 cm
23 cm
22 cm
21 cm
20 cm
19 cm
18 cm
17 cm
16 cm
15 cm
14 cm
13 cm
12 cm
11 cm
10 cm
9 cm
8 cm
7 cm
6 cm
5 cm
4 cm
3 cm
2 cm
1 cm



parsley
plant height range: 15 - 30 cm
root depth range: 15 - 30 cm



strawberry
plant height range: 15 - 30 cm
root depth range: 15 - 30 cm



arugula
plant height range: 20 - 30 cm
root depth range: 15 - 30 cm



lemon balm
plant height range: 30 - 60 cm
root depth range: 30 - 45 cm



celery
plant height range: 30 - 45 cm
root depth range: 30 - 45 cm

24 cm
22 cm
20 cm
18 cm
16 cm
14 cm
12 cm
10 cm
8 cm
6 cm
4 cm
2 cm



beet
plant height range: 20 - 40 cm
root depth range: 15 - 30 cm



kohlrabi
plant height range: 30 - 60 cm
root depth range: 15 - 30 cm



sweet potato
plant height range: 15 - 30 cm
root depth range: 30 - 45 cm



hot pepper
plant height range: 15 - 30 cm
root depth range: 30 - 45 cm



squash
plant height range: 30 - 100 cm
root depth range: 30 - 45 cm

32 cm
30 cm
28 cm
26 cm
24 cm
22 cm
20 cm
18 cm
16 cm
14 cm
12 cm
10 cm
8 cm
6 cm
4 cm
2 cm



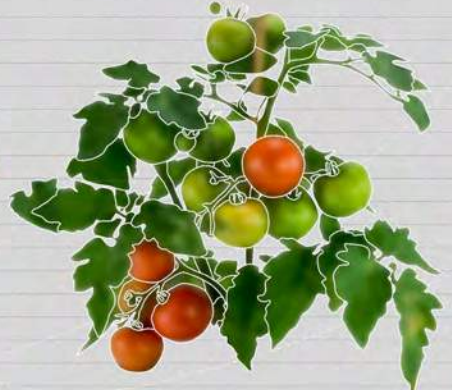
green bean
plant height range: 30 - 60 cm
root depth range: 30 - 45 cm



blackberry
plant height range: 1 - 2 m
root depth range: 45 - 60 cm



okra
plant height range: 1 - 2 m
root depth range: 45 - 60 cm

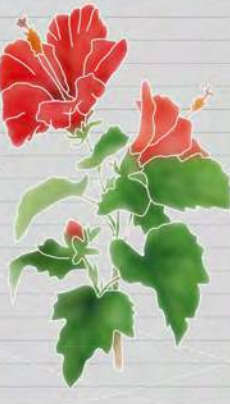


tomato
plant height range: 1 - 2 m
root depth range: 30 - 45 cm

36 cm
34 cm
32 cm
30 cm
28 cm
26 cm
24 cm
22 cm
20 cm
18 cm
16 cm
14 cm
12 cm
10 cm
8 cm
6 cm
4 cm
2 cm



amaranth
plant height range: 1 - 2.5 m
root depth range: 30 - 45 cm



hibiscus
plant height range: 1 - 3 m
root depth range: 30 - 45 cm



hydrangea
plant height range: 1 - 2 m
root depth range: 30 - 45 cm

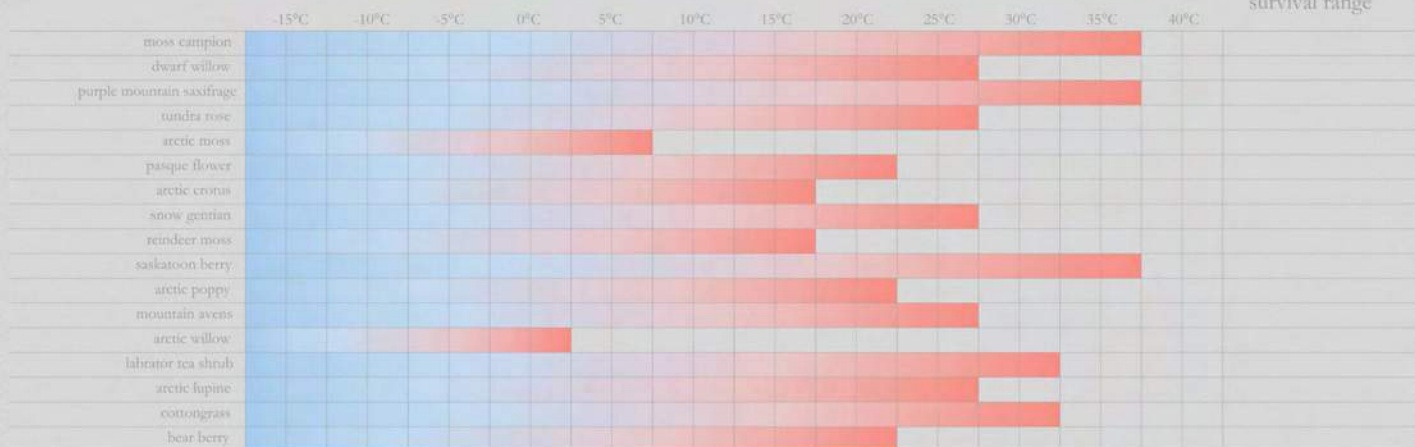


corn
plant height range: 1.2 - 5.0 m
root depth range: 60 - 90 cm

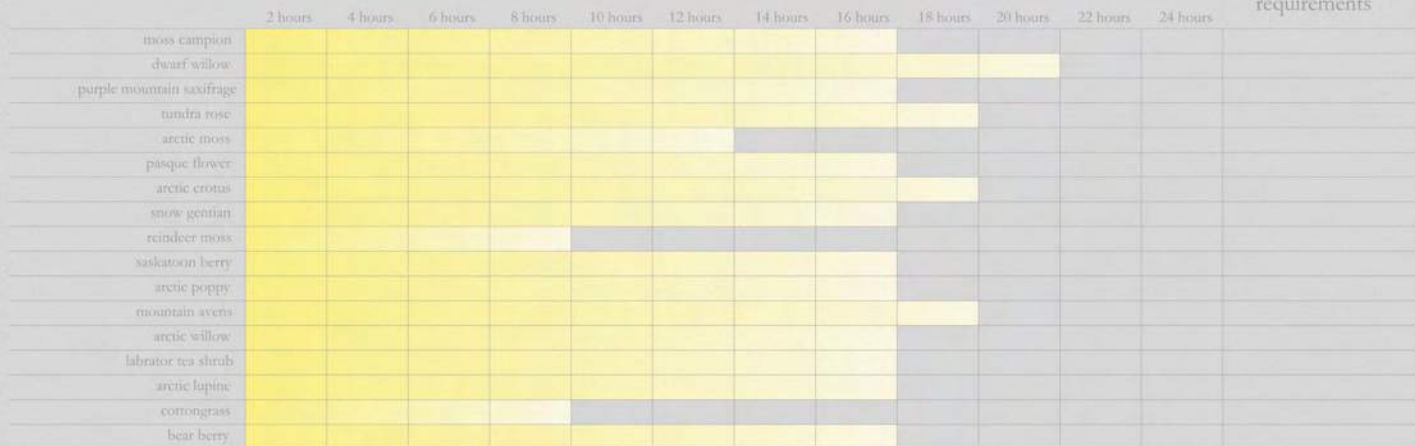
48 cm
46 cm
44 cm
42 cm
40 cm
38 cm
36 cm
34 cm
32 cm
30 cm
28 cm
26 cm
24 cm
22 cm
20 cm
18 cm
16 cm
14 cm
12 cm
10 cm
8 cm
6 cm
4 cm
2 cm



temperature survival range

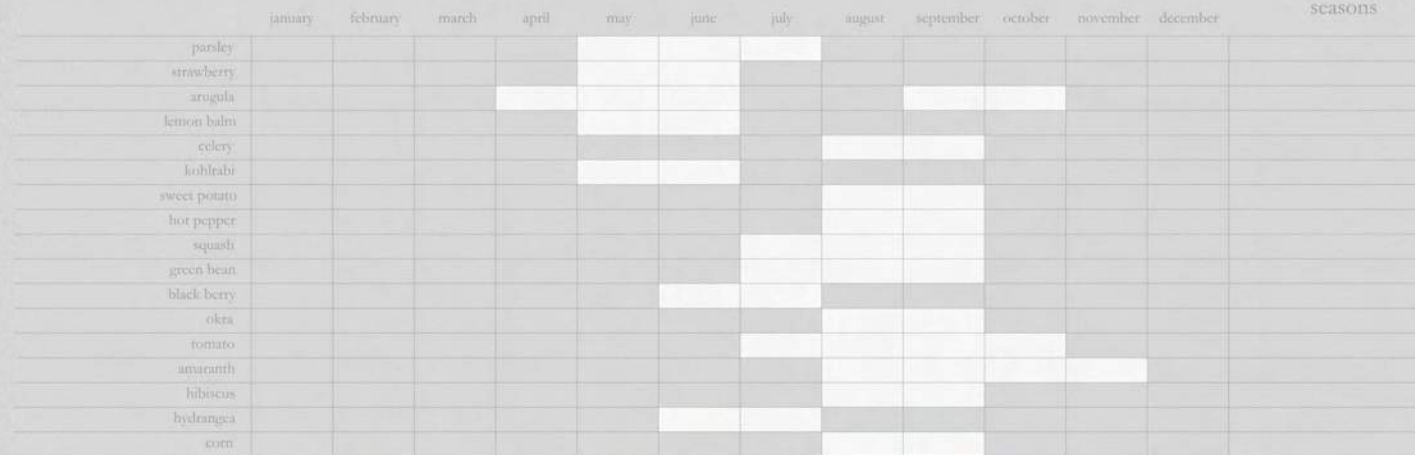
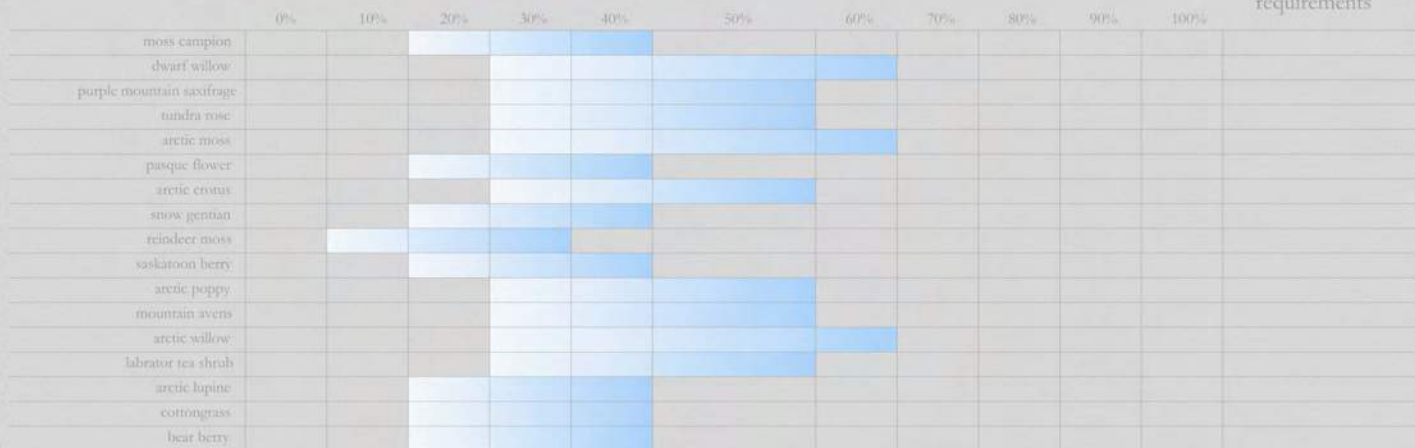


daylighting requirements



note: arctic plants require intense sunlight only during summer months

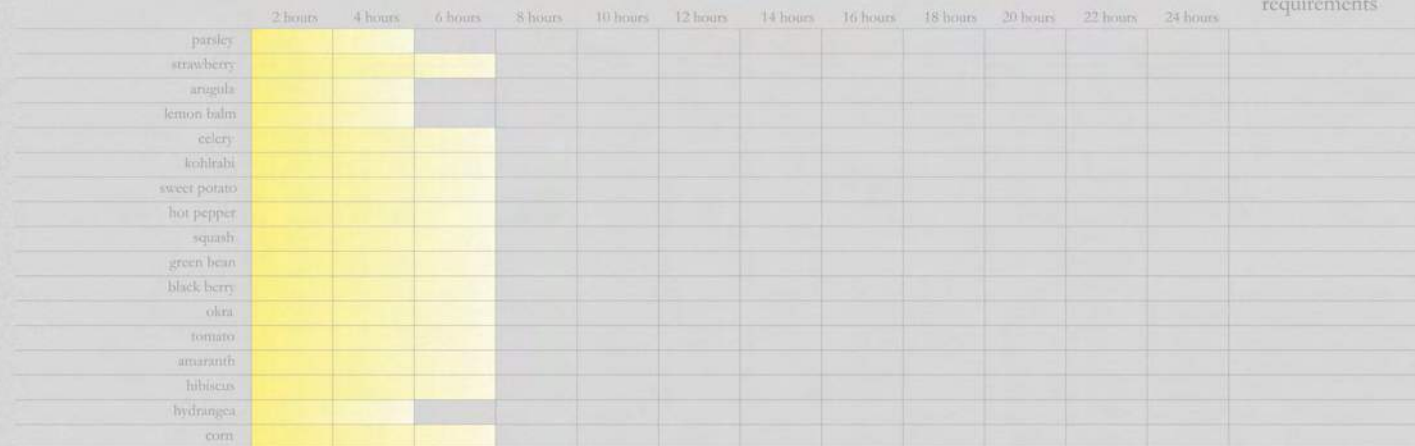
soil moisture requirements



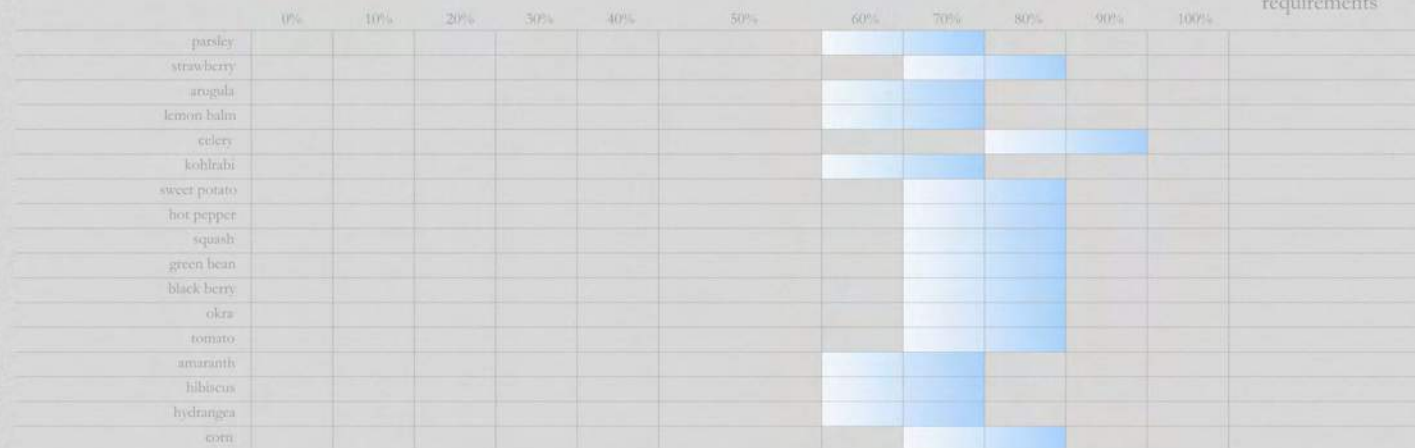
temperature survival range



daylighting requirements



soil moisture requirements

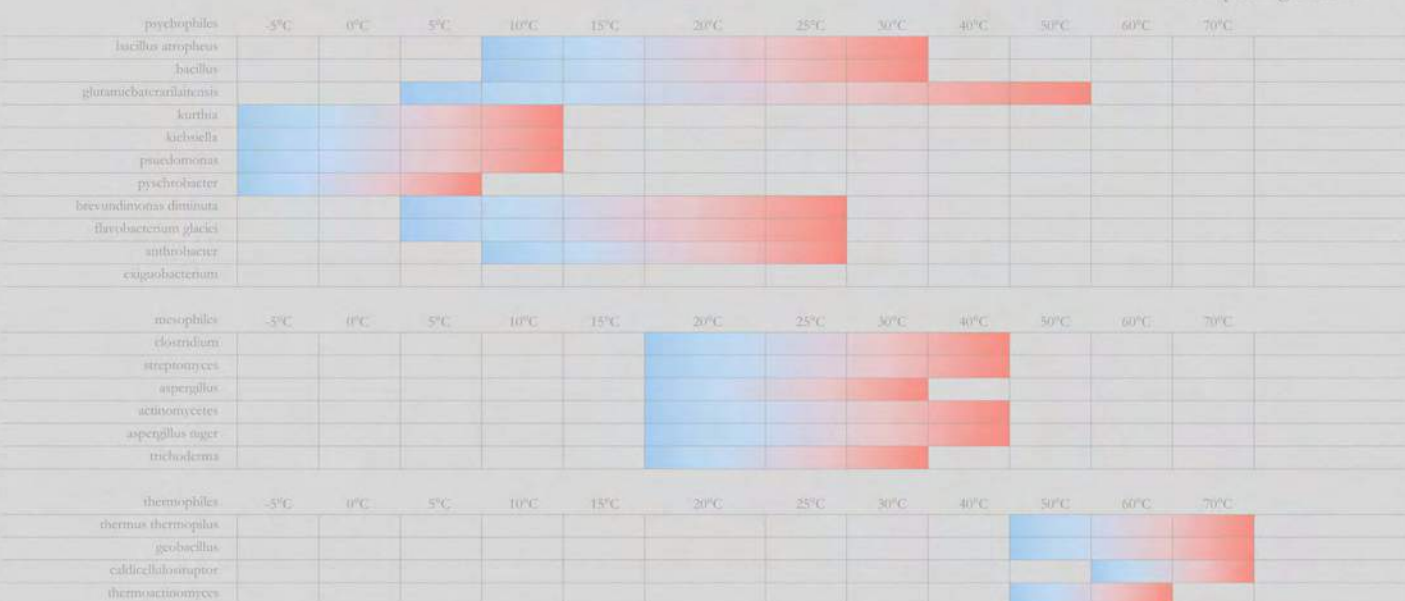
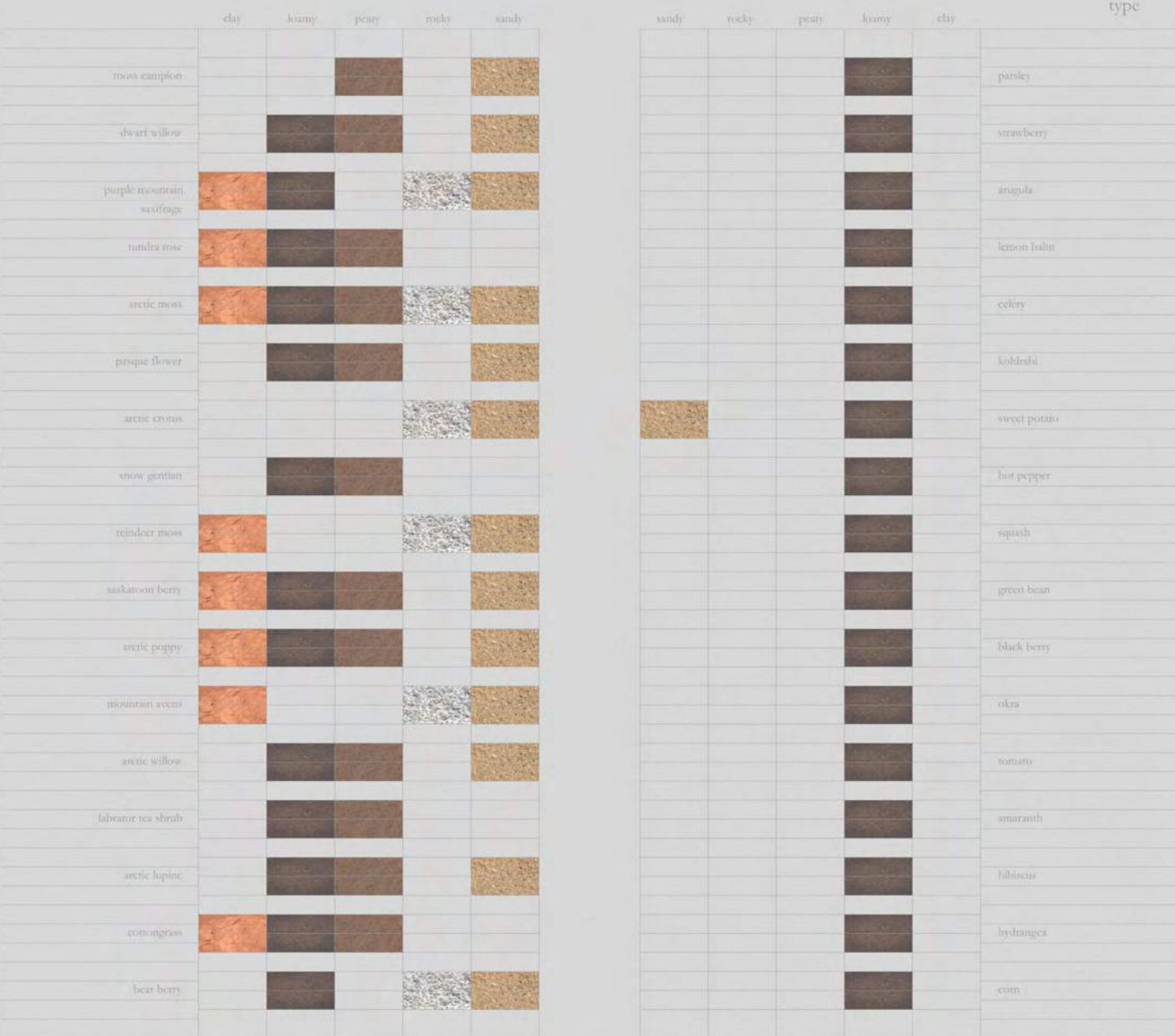
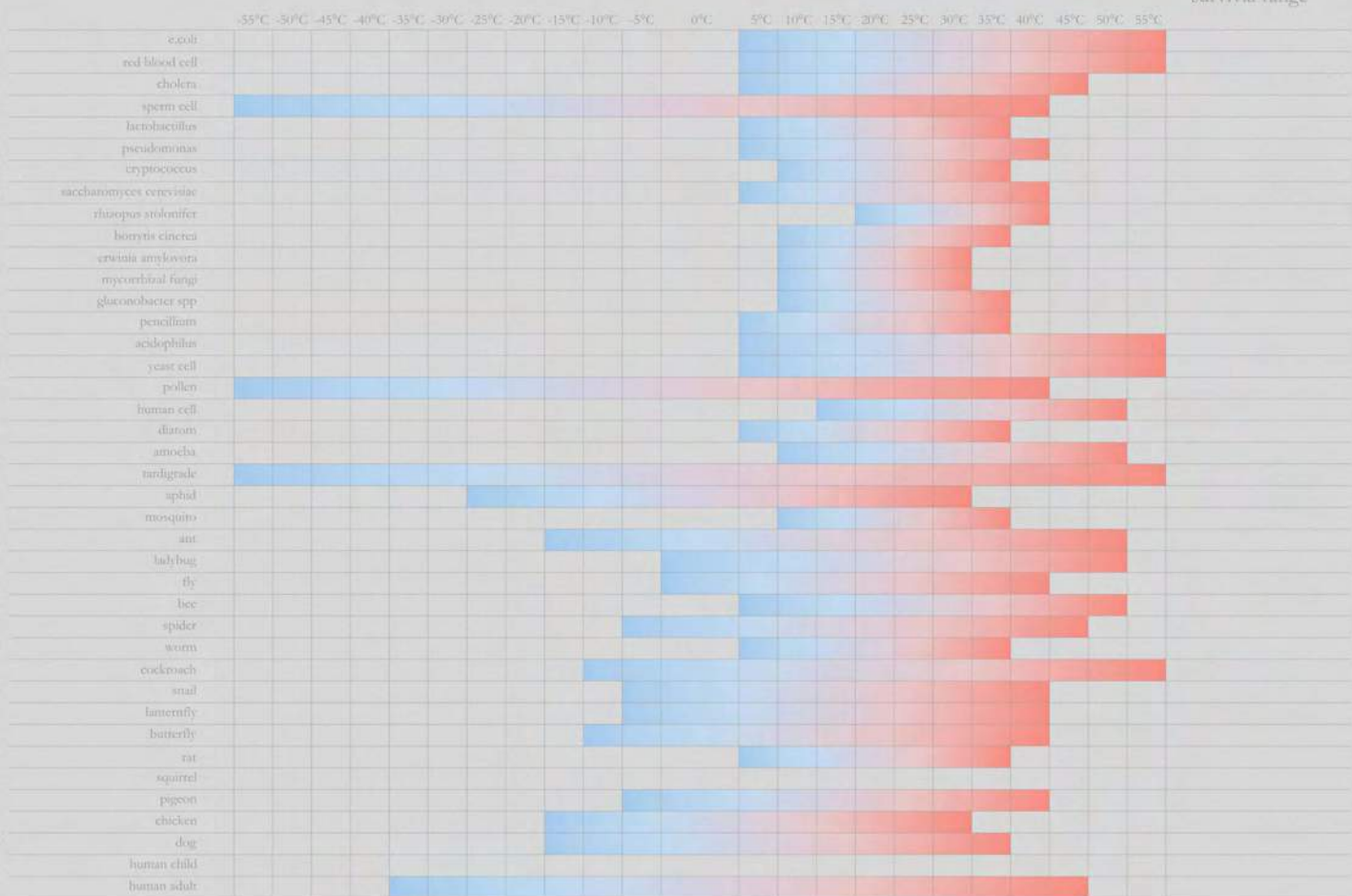
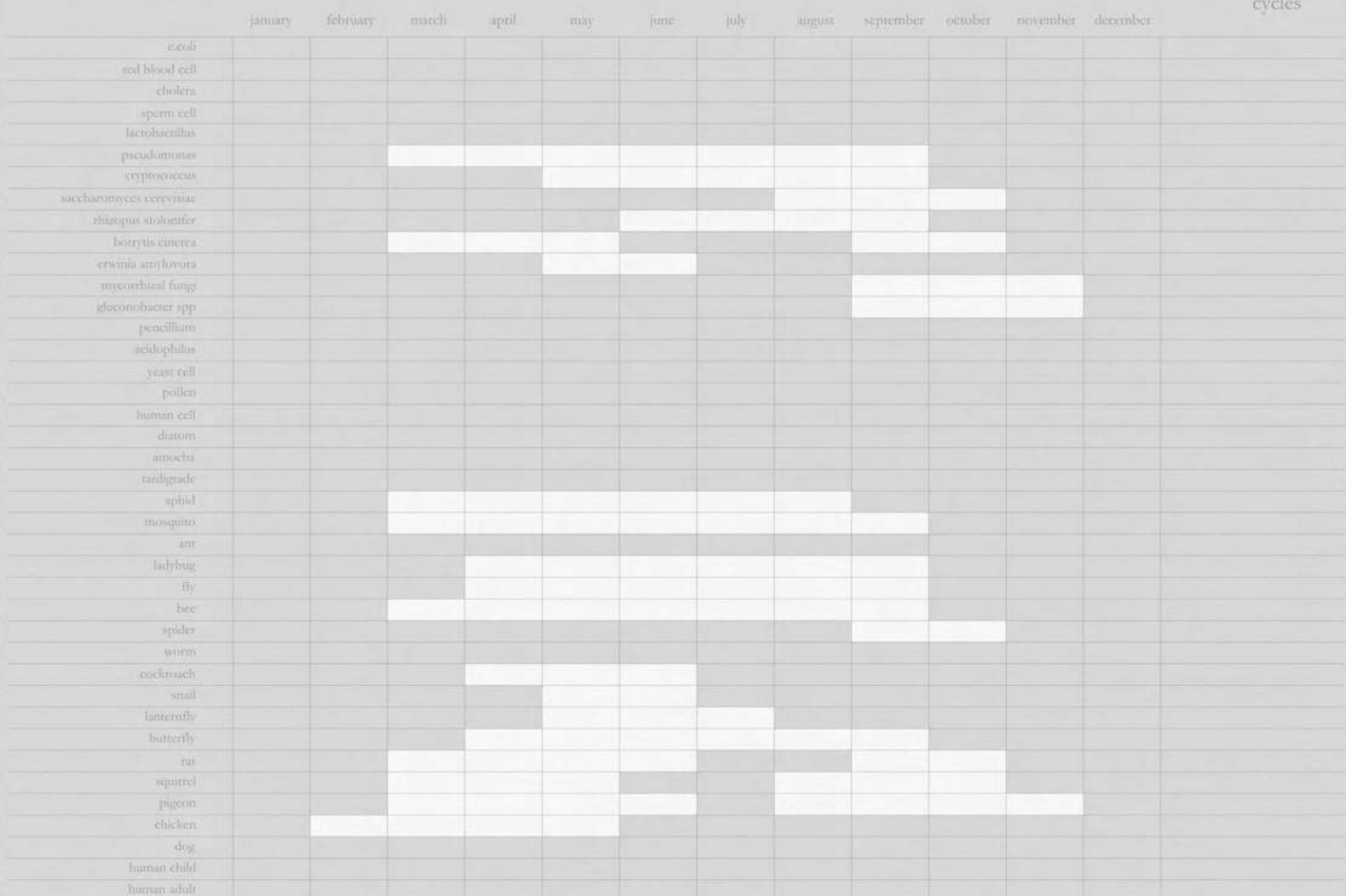






three sisters diagram (macro and micro biodiversity, cyclical and seasonal processes)









LES School, Location: New York, USA, Model: Ken Farris

ローワーイーストサイド (LES) スクール, 場所: アメリカ, ニューヨーク, 模型: ケン・フェリス

Escola LES, Localização: Nova York, EUA, Maqueta: Ken Farris

This project is a school centered on the education of earth and planetary studies, with an emphasis on physics and gravitational sciences. The design of this school was based on the idea of a hand wrapping around an object, fingers

これは、物理学と重力科学に重点を置いた地球惑星科学の教育を中心とした学校のプロジェクトである。こ

Este projeto é uma escola centrada no ensino de estudos terrestres e planetários, com ênfase em física e ciências

gravitacionais. O design desta escola foi baseado na ideia de uma mão envolvendo um objeto, dedos abrindo, fechando, e segurando. Formalmente, dobrando superfícies curvas foram drapeadas em uma série de programadas esferas

の学校のデザインは、手で物を握んだり、指を開いたり閉じたり、指を丸めてカップ状にするという発想に

colocando. Formalmente, superfícies curvas duplas foram drapeadas em uma série de programadas esferas de diferentes tamanhos para criar áreas de diferentes tamanhos para diferentes faixas etárias de alunos. As ondulações nas lajes criam áreas de diferentes alturas de teto, facilitando salas de aula, laboratórios, e circulação em espaços que se assemelham a colinas e cânions.

varying sizes for differing age ranges of middle school and high school students. Undulations in slabs create areas of differing ceiling heights, facilitating classrooms, laboratories, and circulation in hill and canyon-like spaces. Further,

のために作られた、いろいろな大きさの曲面のつながりに、

colocando. Formalmente, superfícies curvas duplas foram drapeadas em uma série de programadas esferas de diferentes tamanhos para criar áreas de diferentes tamanhos para diferentes faixas etárias de alunos. As ondulações nas lajes criam áreas de diferentes alturas de teto, facilitando salas de aula, laboratórios, e circulação em espaços que se assemelham a colinas e cânions.

each slab creates an above and below condition that produces varying levels of privacy and exposure to light. Public programs on the lower floors and roof are available to the surrounding community of the Lower East Side of New York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.

スラブの起伏は天井高さの異なるエリアを作り出し、教室、

variados para diferentes faixas etárias de alunos. As ondulações nas lajes criam áreas de diferentes alturas de teto, facilitando salas de aula, laboratórios, e circulação em espaços que se assemelham a colinas e cânions.

differing ceiling heights, facilitating classrooms, laboratories, and circulation in hill and canyon-like spaces. Further, each slab creates an above and below condition that produces varying levels of privacy and exposure to light. Public programs on the lower floors and roof are available to the surrounding community of the Lower East Side of New York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.

している。さらに、各スラブが上下の状態を作り出すことで

salas de aula, laboratórios e a circulação em espaços que se assemelham a colinas e cânions.

each slab creates an above and below condition that produces varying levels of privacy and exposure to light. Public programs on the lower floors and roof are available to the surrounding community of the Lower East Side of New York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.

さまざまなレベルのプライバシーと光への露出を生み出している。低層階と屋上には、スケートパーク、

cada laje cria uma condição diferente tanto acima como abaixo que produz níveis variados de privacidade e exposição à luz. Programas públicos nos andares inferiores e cobertura estão disponíveis para a comunidade ao redor do Lower East Side of New York City, que acomodam um skatepark, ginásio, auditório, observatório e planetário.

programs on the lower floors and roof are available to the surrounding community of the Lower East Side of New York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.

体育館、講堂、天文台、プラネタリウムがあり、ニューヨークのローワーイーストサイドの周辺のコミュニティに公開されている。

luz. Programas públicos nos andares inferiores e cobertura estão disponíveis para a comunidade ao redor do Lower East Side of New York City, que acomodam um skatepark, ginásio, auditório, observatório e planetário.

York City, which accommodate a skatepark, gym, auditorium, observatory, and planetarium.

ティに公開されている。

Side da cidade de Nova York, que acomoda uma pista de skate, ginásio, auditório, observatório e planetário.



Title:

School of Gravity

Type:

School

Personal/ Academic:

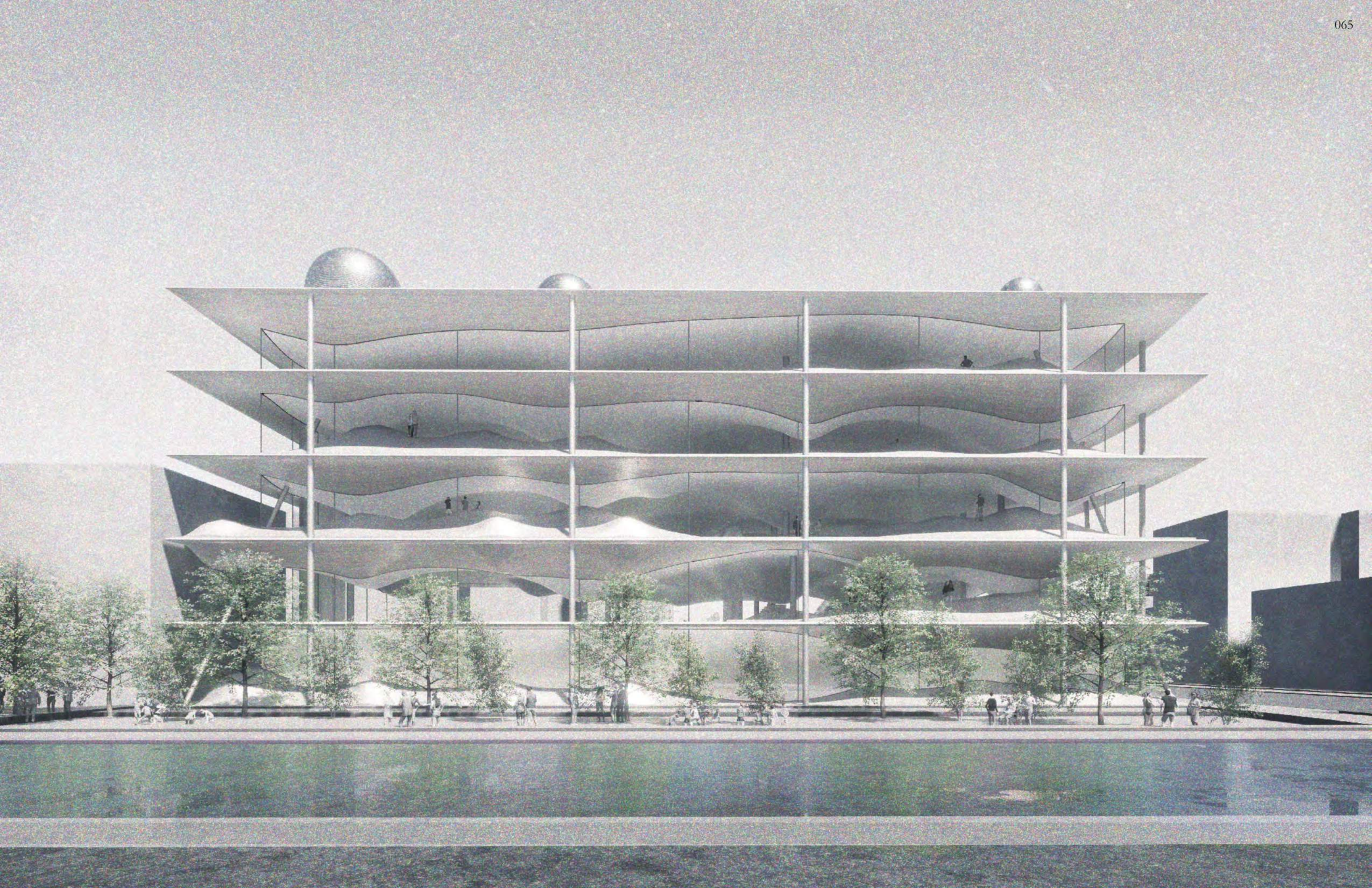
Academic (S.22)

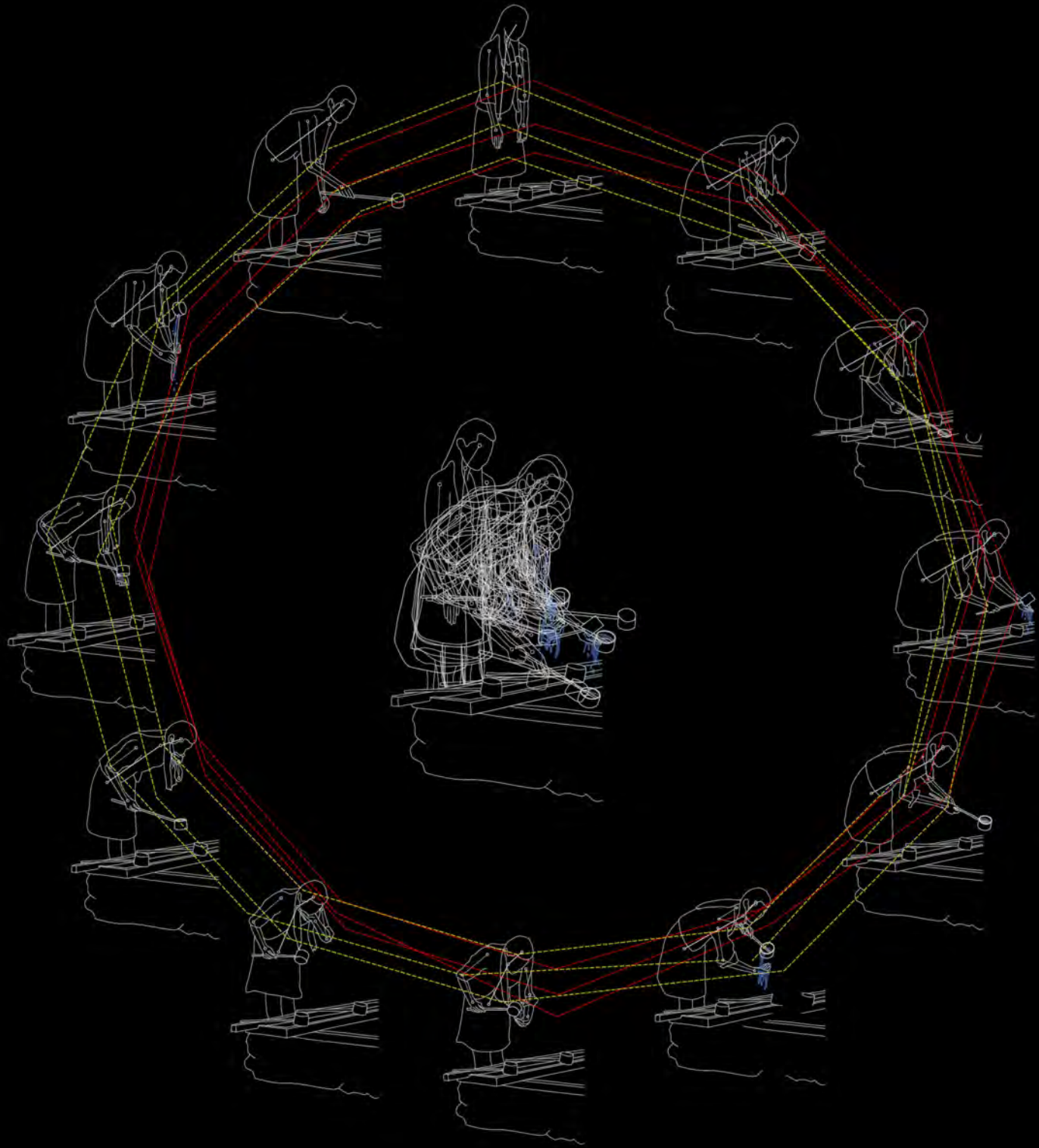
Collaborator:

Amina Blacksher (Core II)

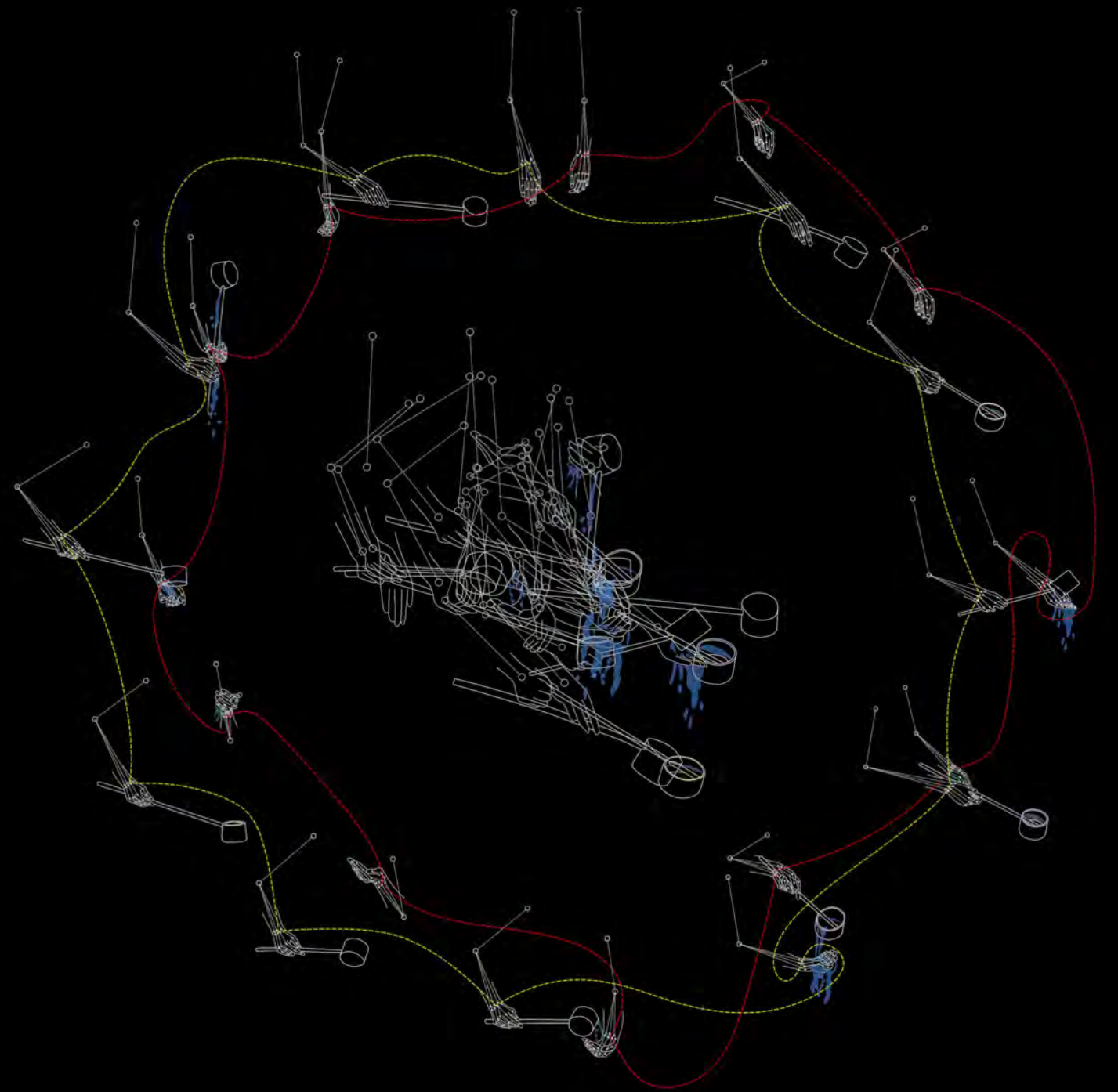
Professor:

Amina Blacksher (Core II)

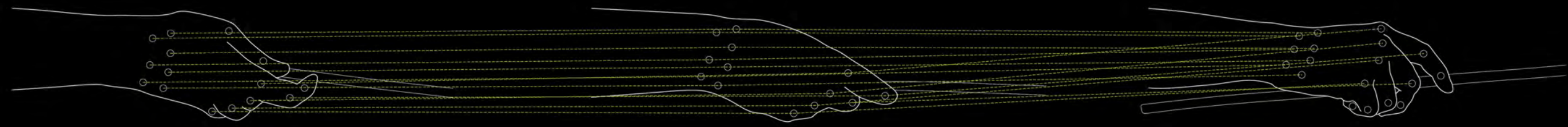
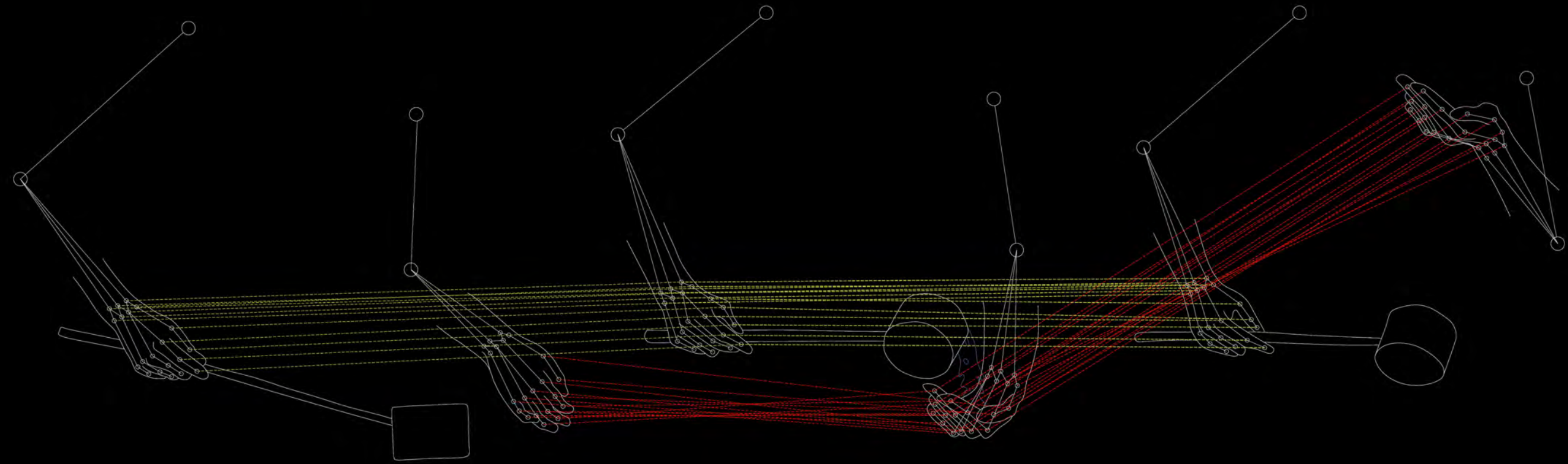
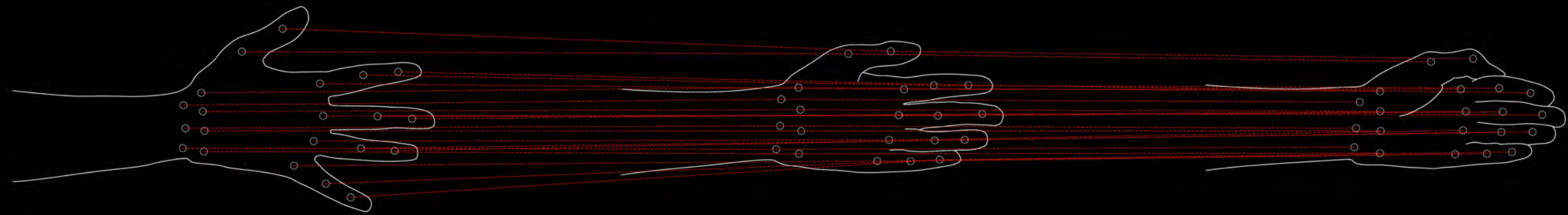




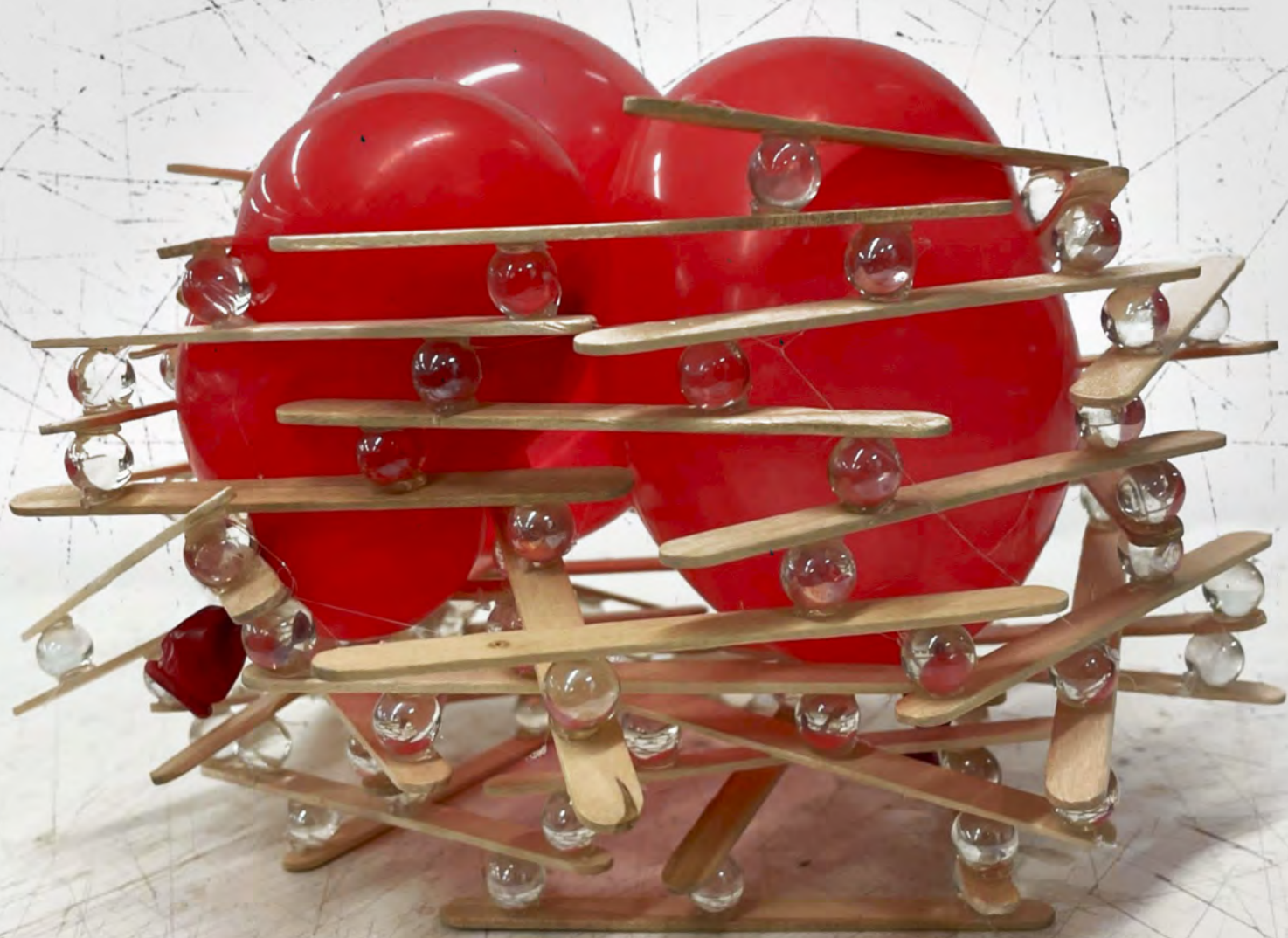
Ritual Purification



Form Generation: Hand as Vessel



Left Hand vs Right Hand Movement



Study Model: Balloon, Marbles



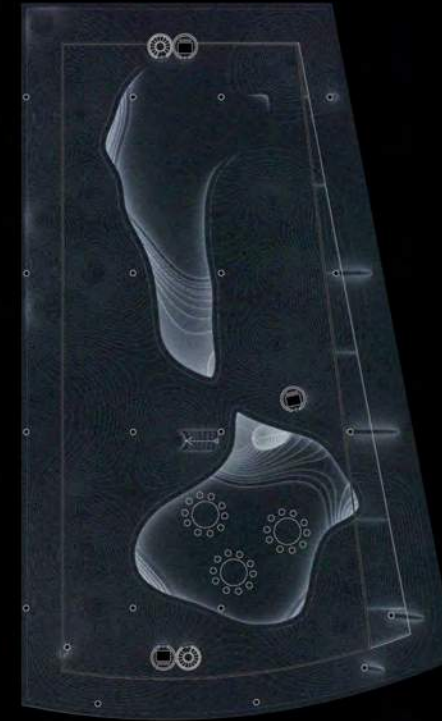
Study Model: Balloon, Rocks



Basement Floor Plan



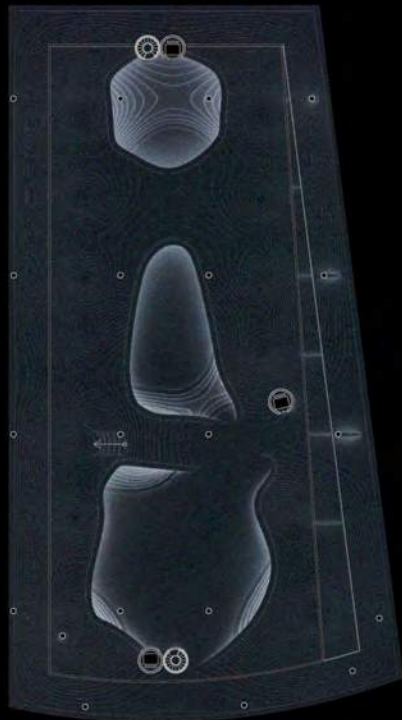
Ground Floor Plan



Third Floor Plan (Above)



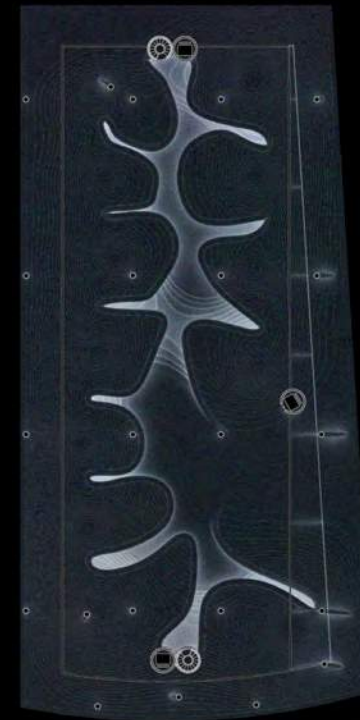
Third Floor Plan (Below)



Second Floor Plan (Above)



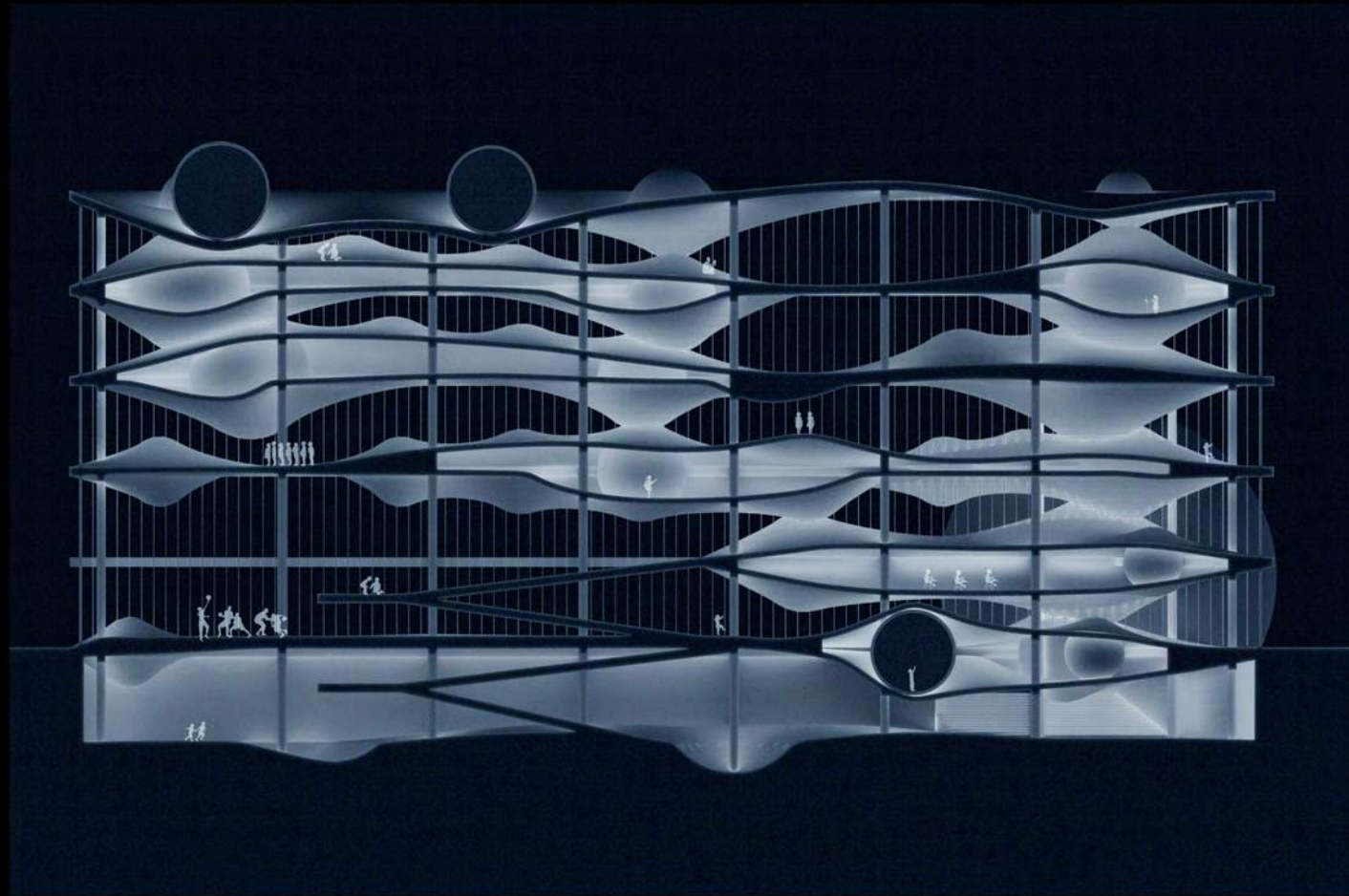
Second Floor Plan (Below)



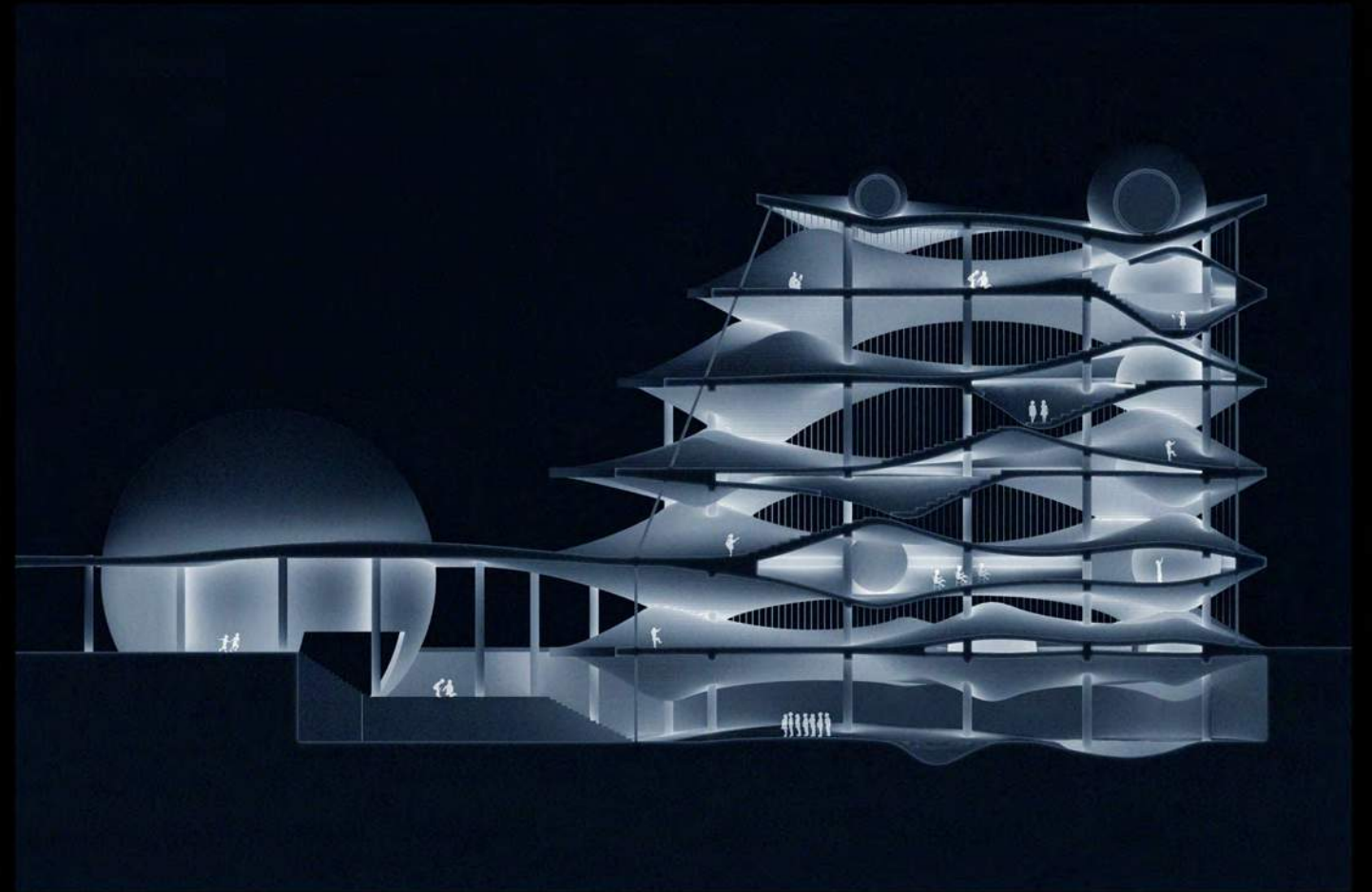
Fourth Floor Plan (Above)



Fourth Floor Plan (Below)



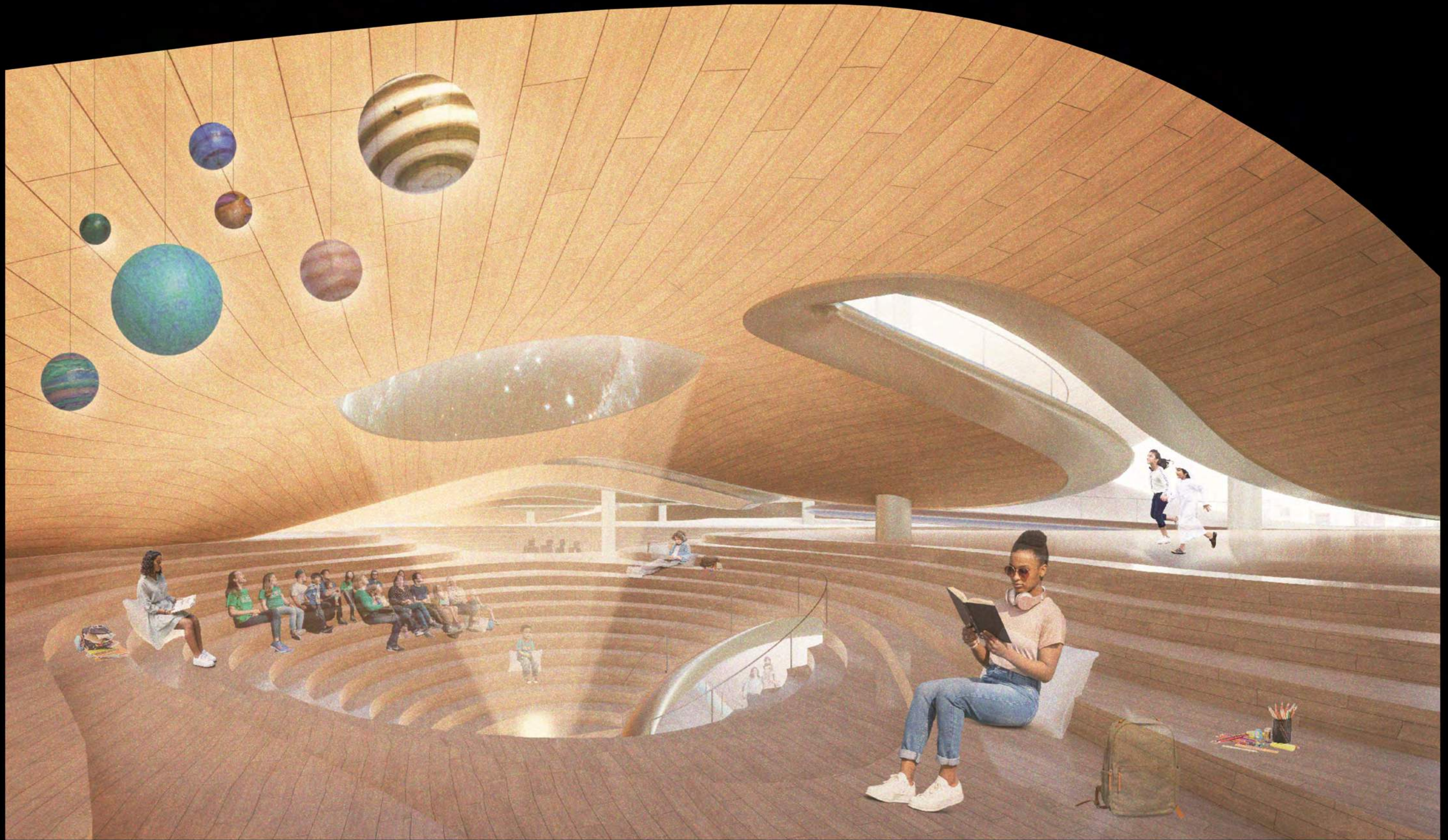
Long Section



Short Section



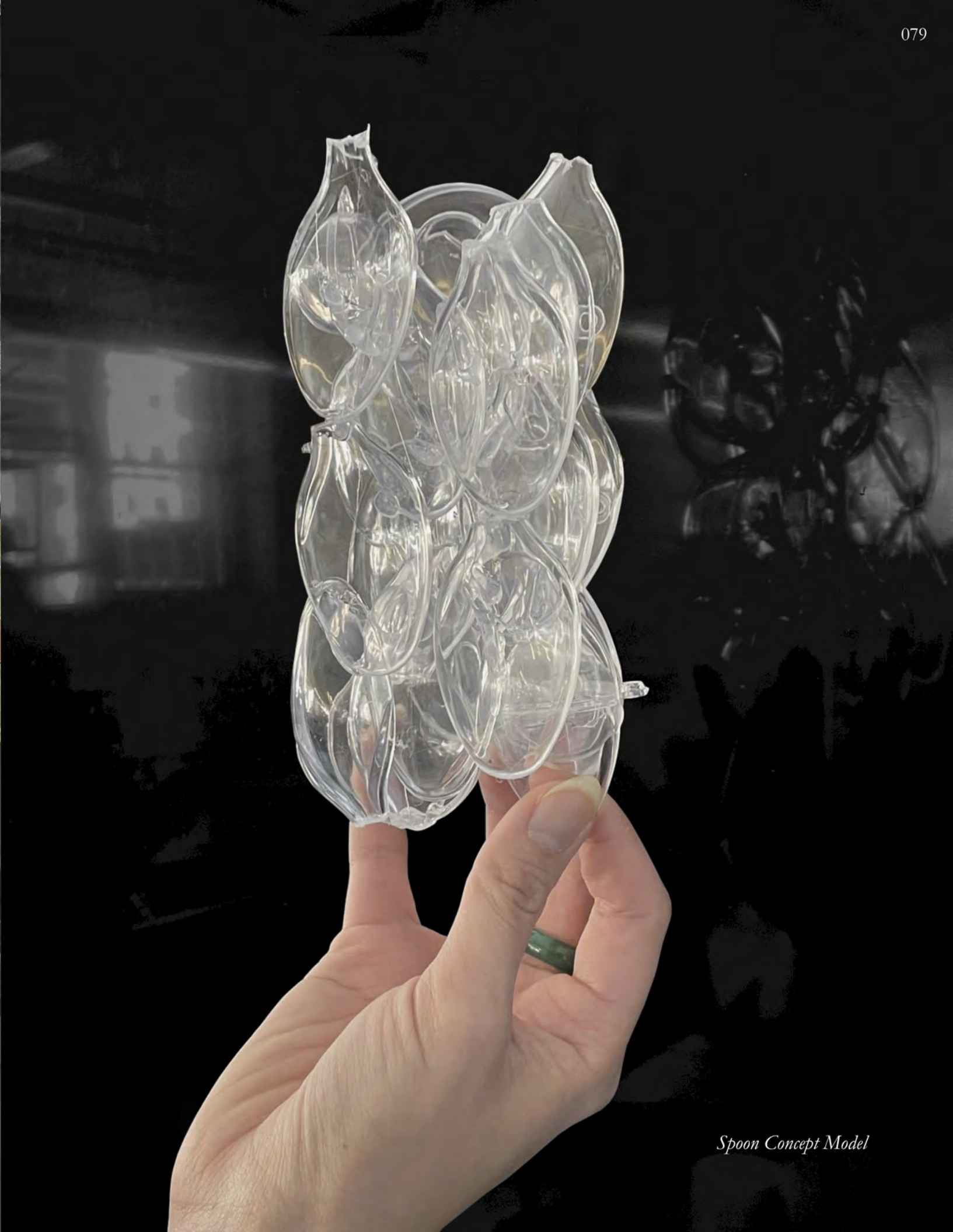
Gymnasium Perspective



Classroom Perspective



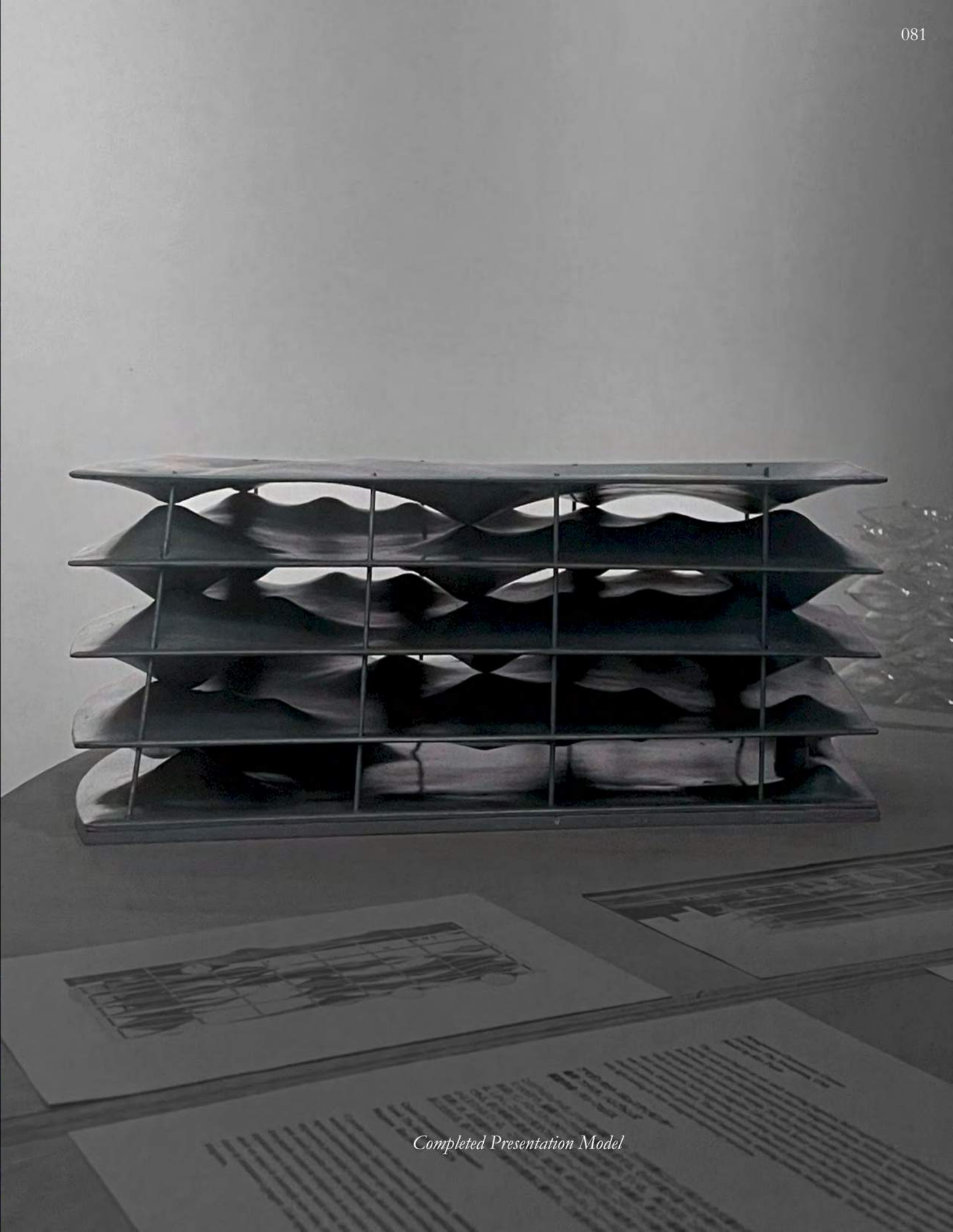
Model Process



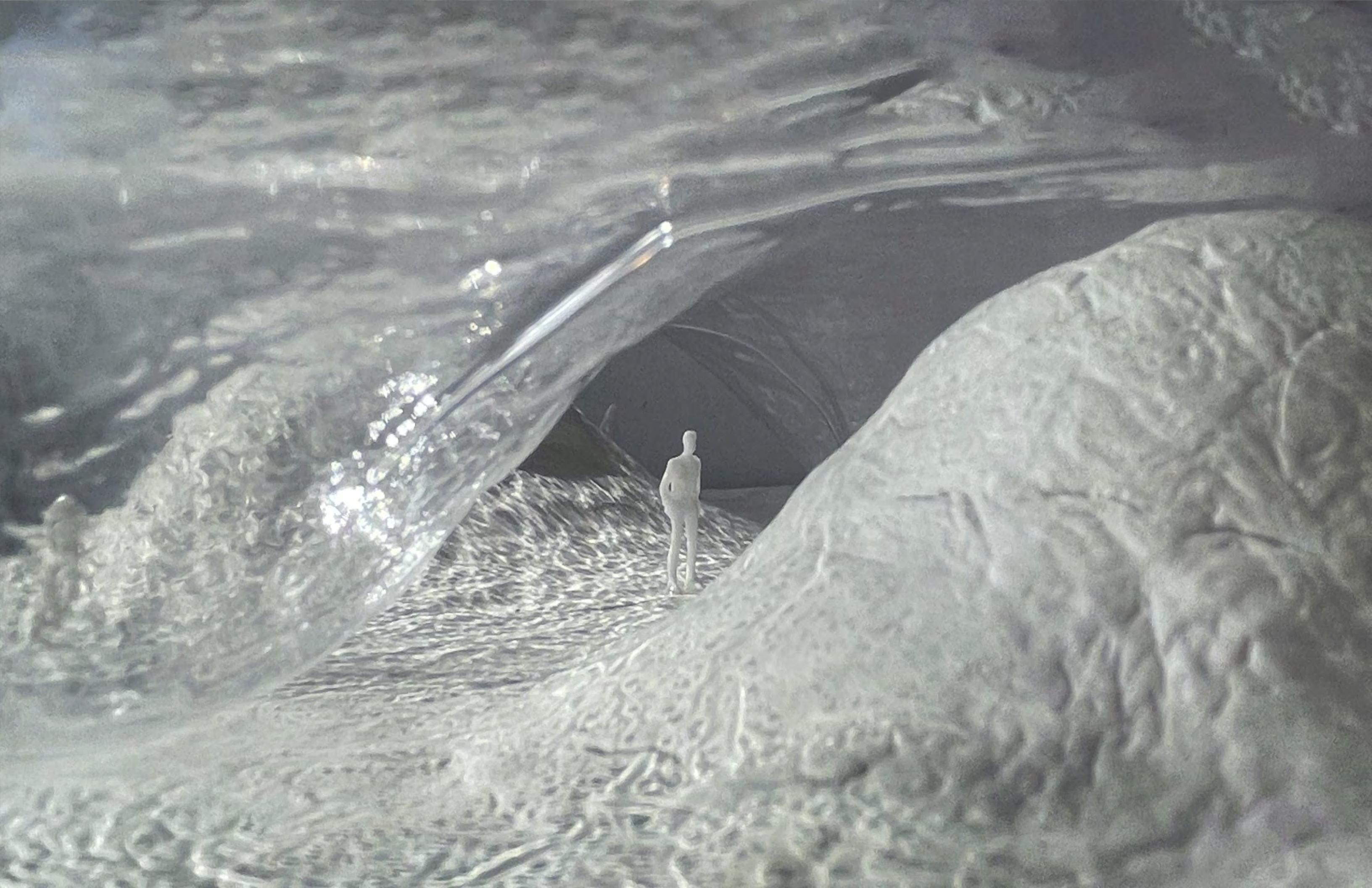
Spoon Concept Model

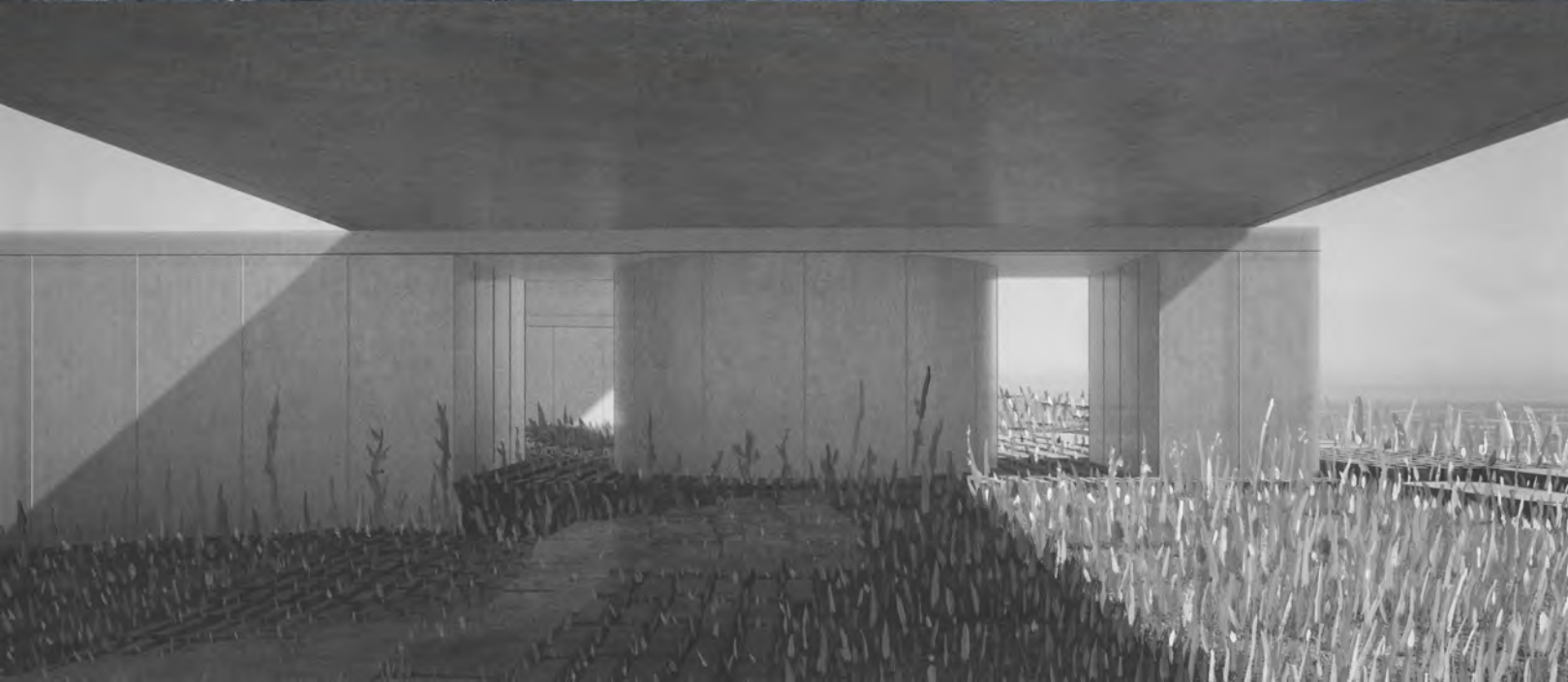
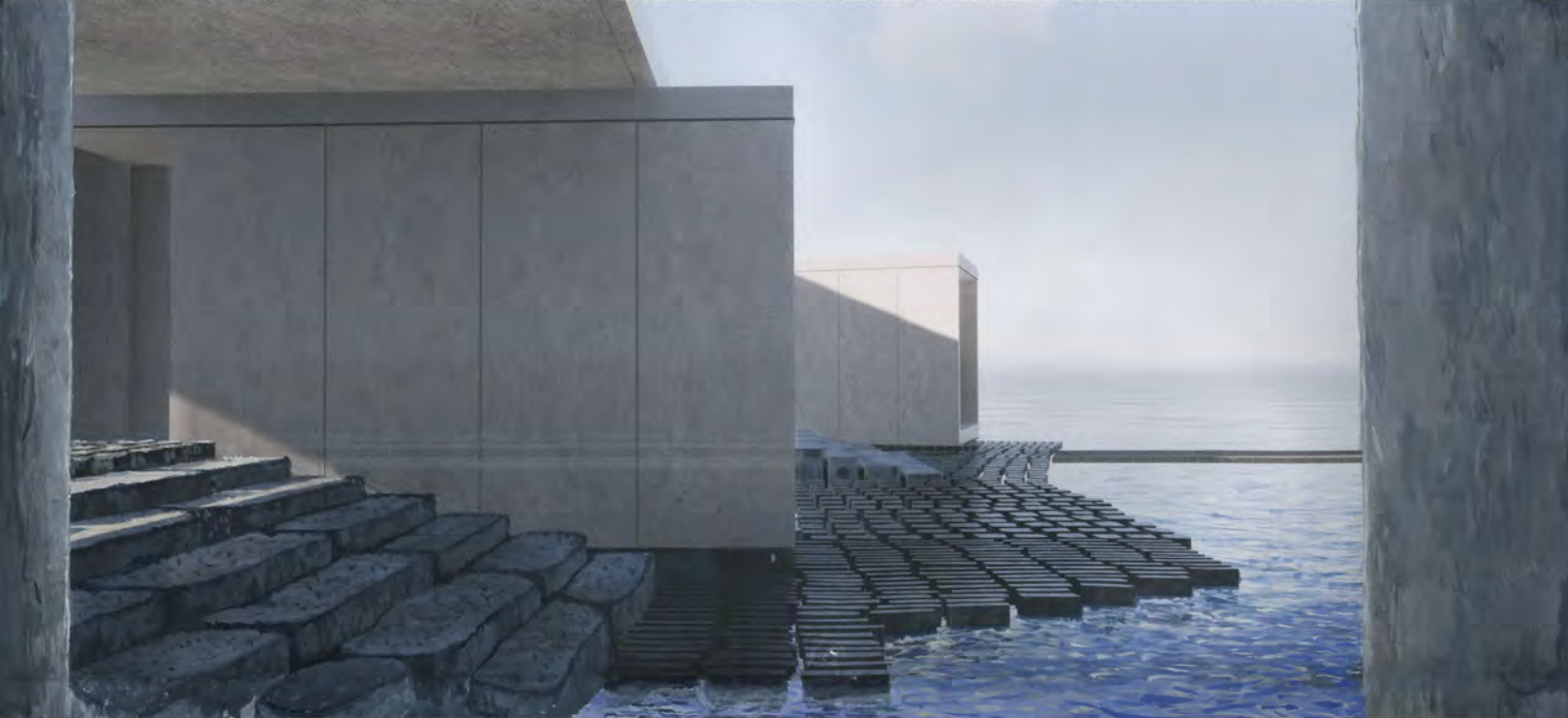
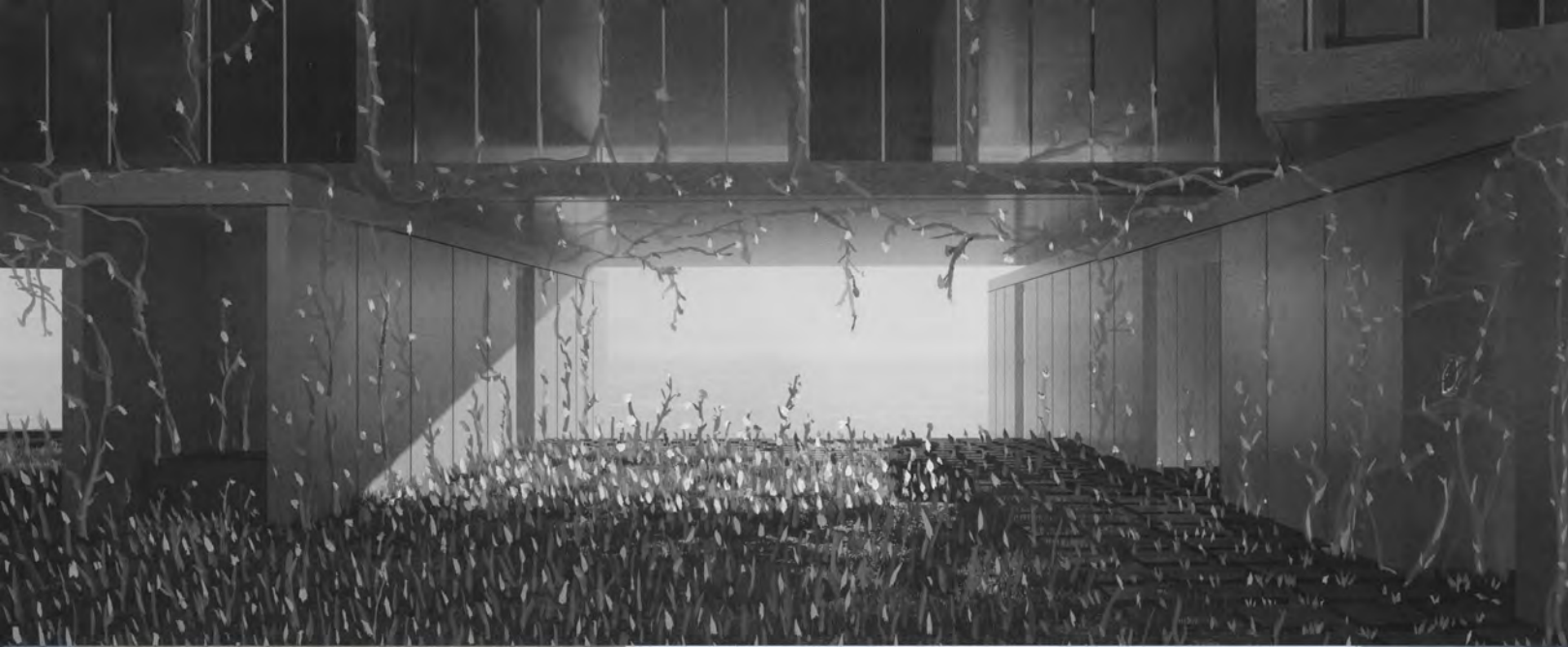


Glass Orb Concept Model



Completed Presentation Model





Bronx Housing, Location: The Bronx, USA, Model: Ken Farris and Juliana Yang

ブロンクスの集合住宅、場所：アメリカ、ブロンクス、模型：ケン・フェリス、ジュリアナ・ヤン

Bronx, Localização: Bronx, EUA, Modelo: Ken Farris e Juliana Yang

This project is suspended between a river and a community garden; by lifting the main volumes off the ground plane with long concrete

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

extrusions, the void becomes a device for integrating the river, street, and garden. At the same time, a major highway, which runs along the

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

back of the site, requires a less fragile posture in order to harbor an interior that can be quiet. The rear facade, therefore, is lined with

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

deep-planted balconies. There are no corridors in the building; instead, there is an abundance of elevator and staircase which serve the

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

two adjacent units at every level. Vertical neighbors, therefore, interact at a smaller-than-building scale. Bringing some landscape up into the

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

housing, the circulation cores are floored with tiles. The units are all floor through, with winter gardens facing west to the Harlem River. The

このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

regularity of the structural grid, with its alternating pattern of 10 to 25 feet spans, affords the possibility for a variety of layout combinations,

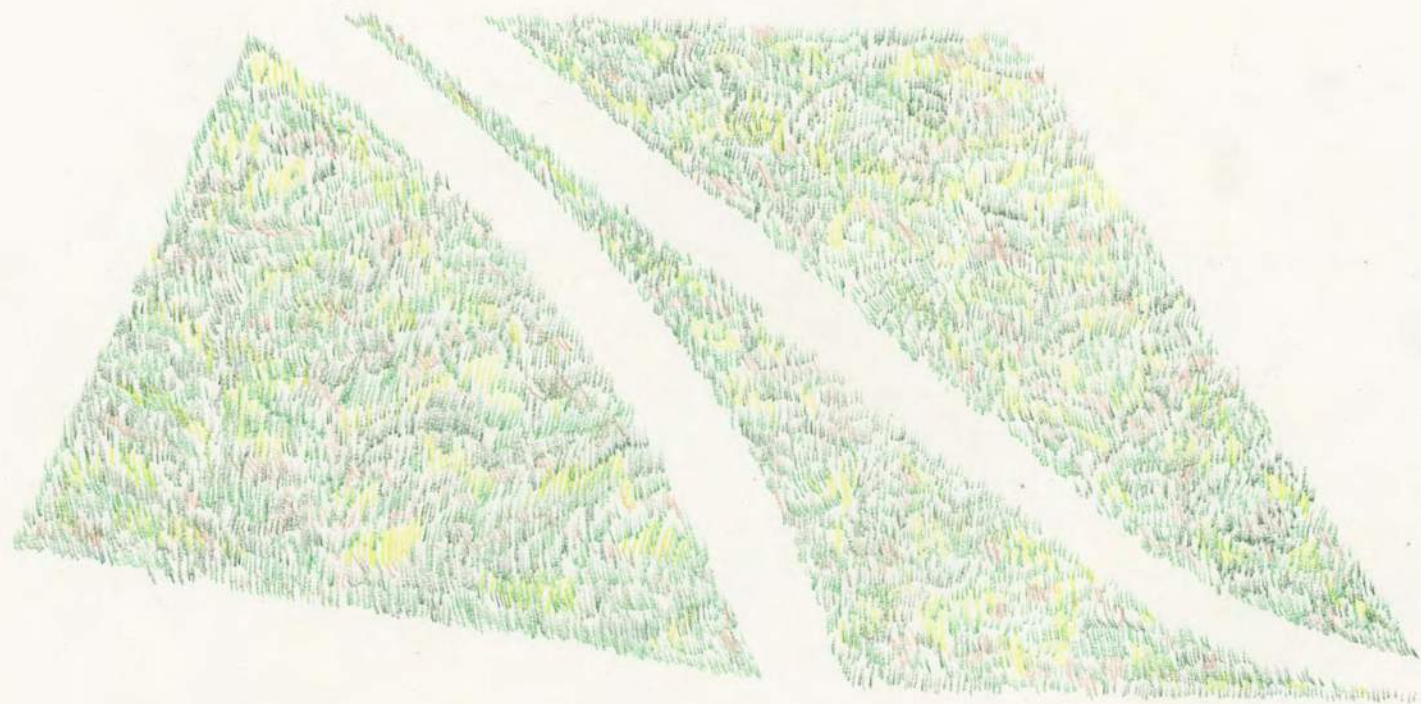
このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

from studios to three bedrooms. In this way, a simple grid finds room for closets, nooks, and niches alongside a large, open central space.

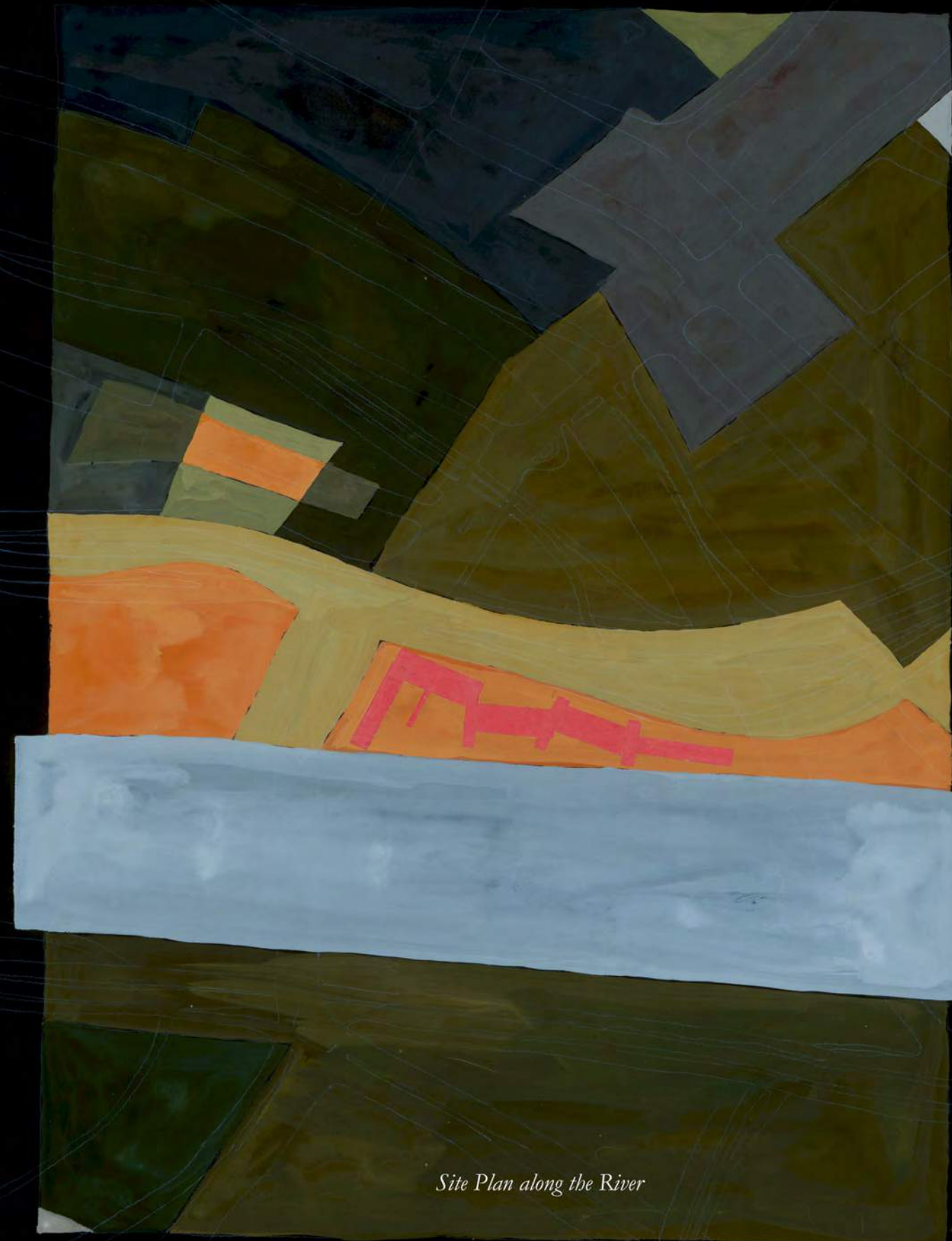
このプロジェクトは、川とコミュニティ・ガーデンの間に位置している。主要な部分を長いコンクリートの張り出しにより地面から立ち上げる

Dessa forma, uma simples grade encontra espaço para armários, recantos e nichos ao lado de um grande espaço central aberto.

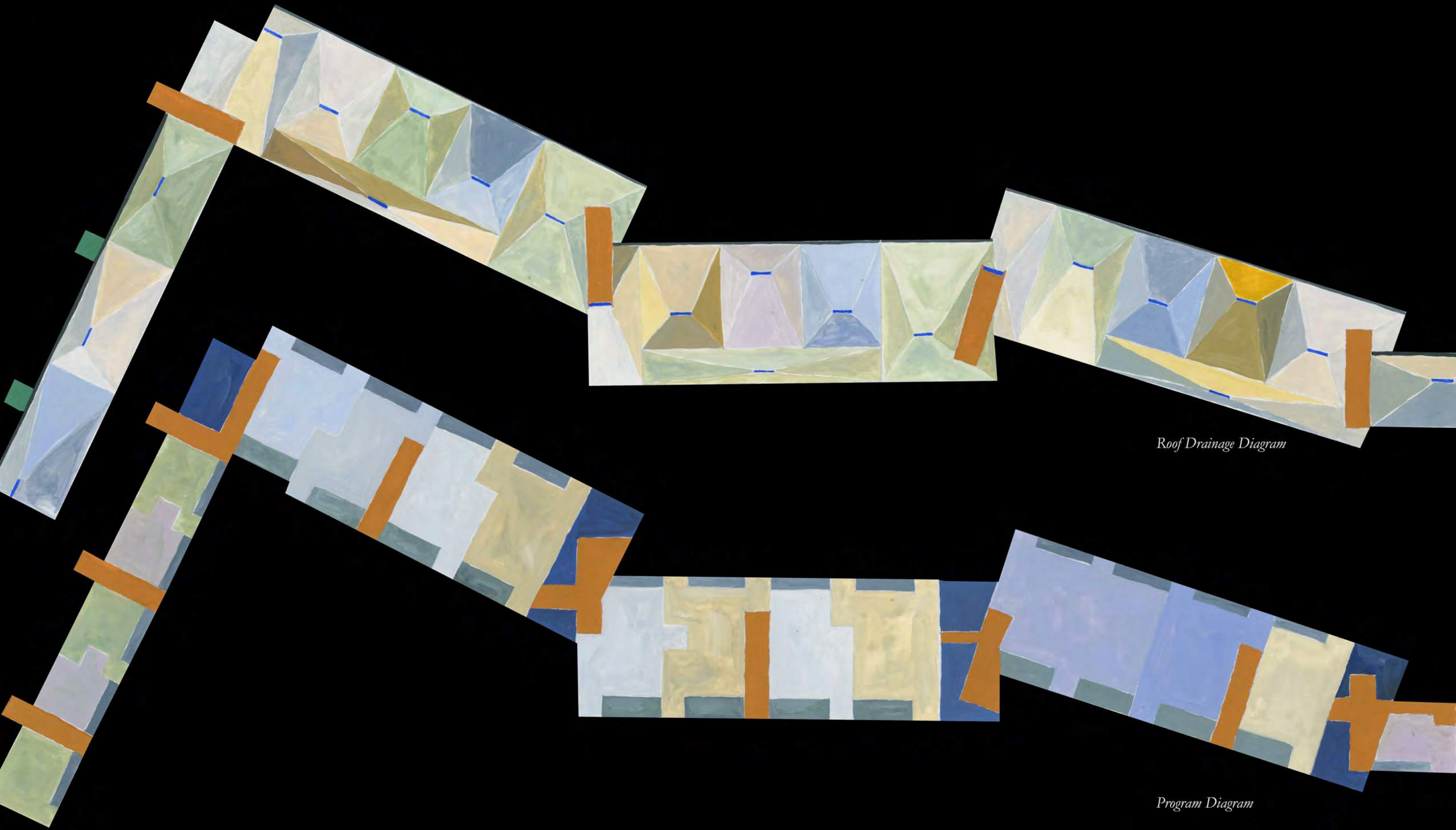
Title: On Water _____ Type: Housing _____ Personal/ Academic: Academic (F.23) _____ Collaborator: Juliana Yang _____ Professor: Hilary Sample (Core III)



Site Garden Plan



Site Plan along the River



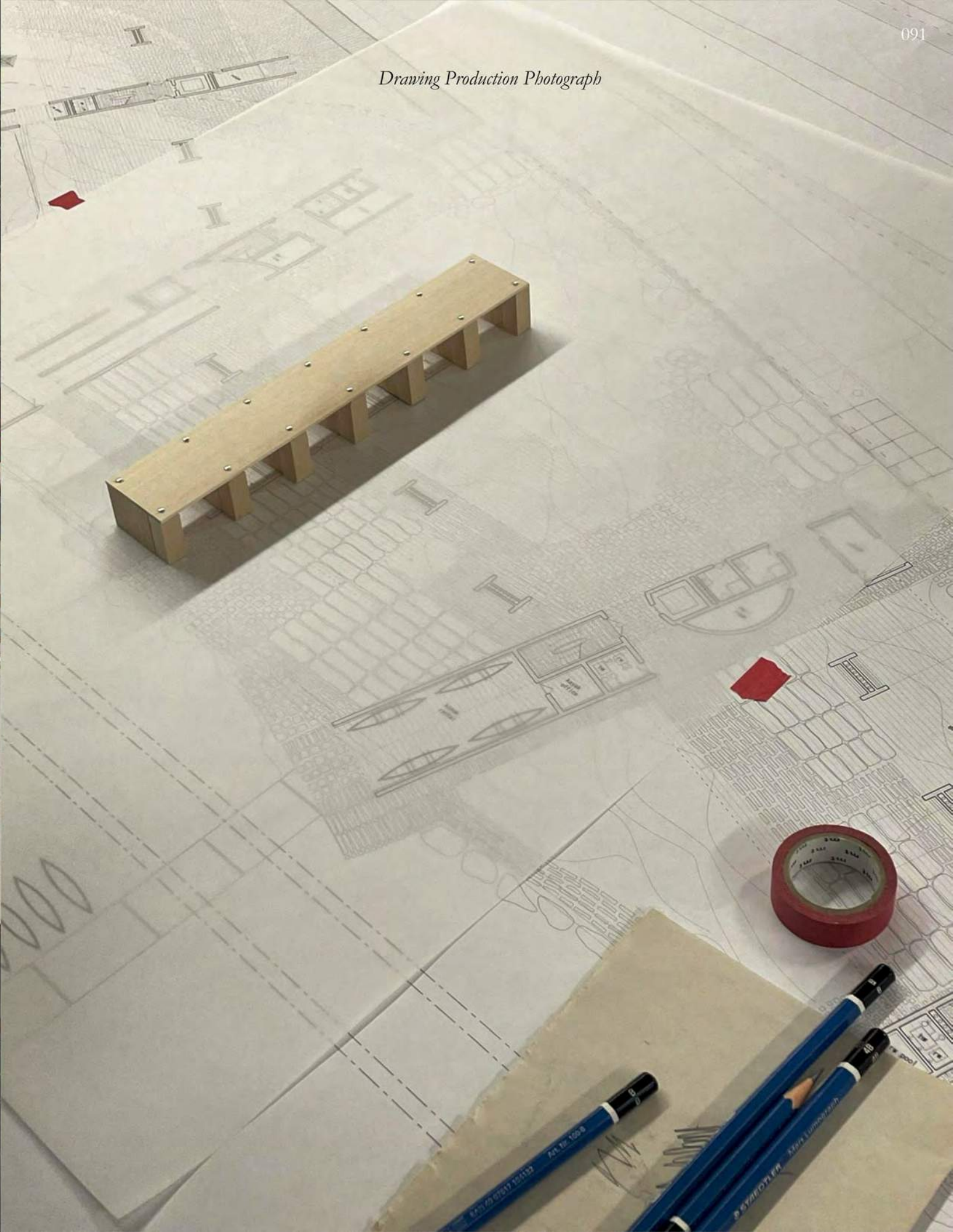
Roof Drainage Diagram

Program Diagram

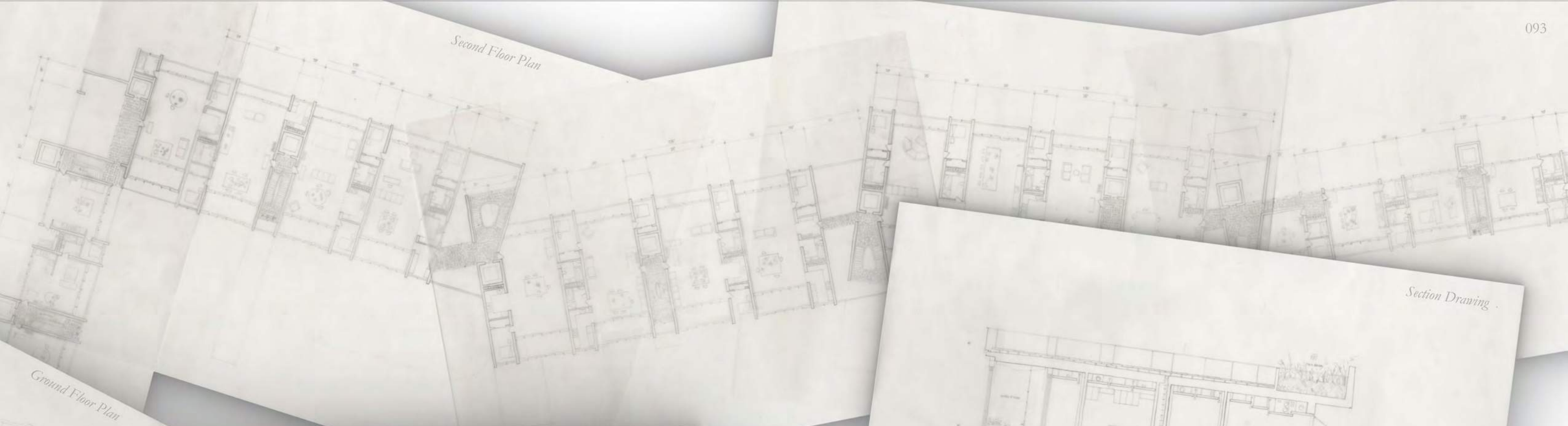
Model Production Photograph



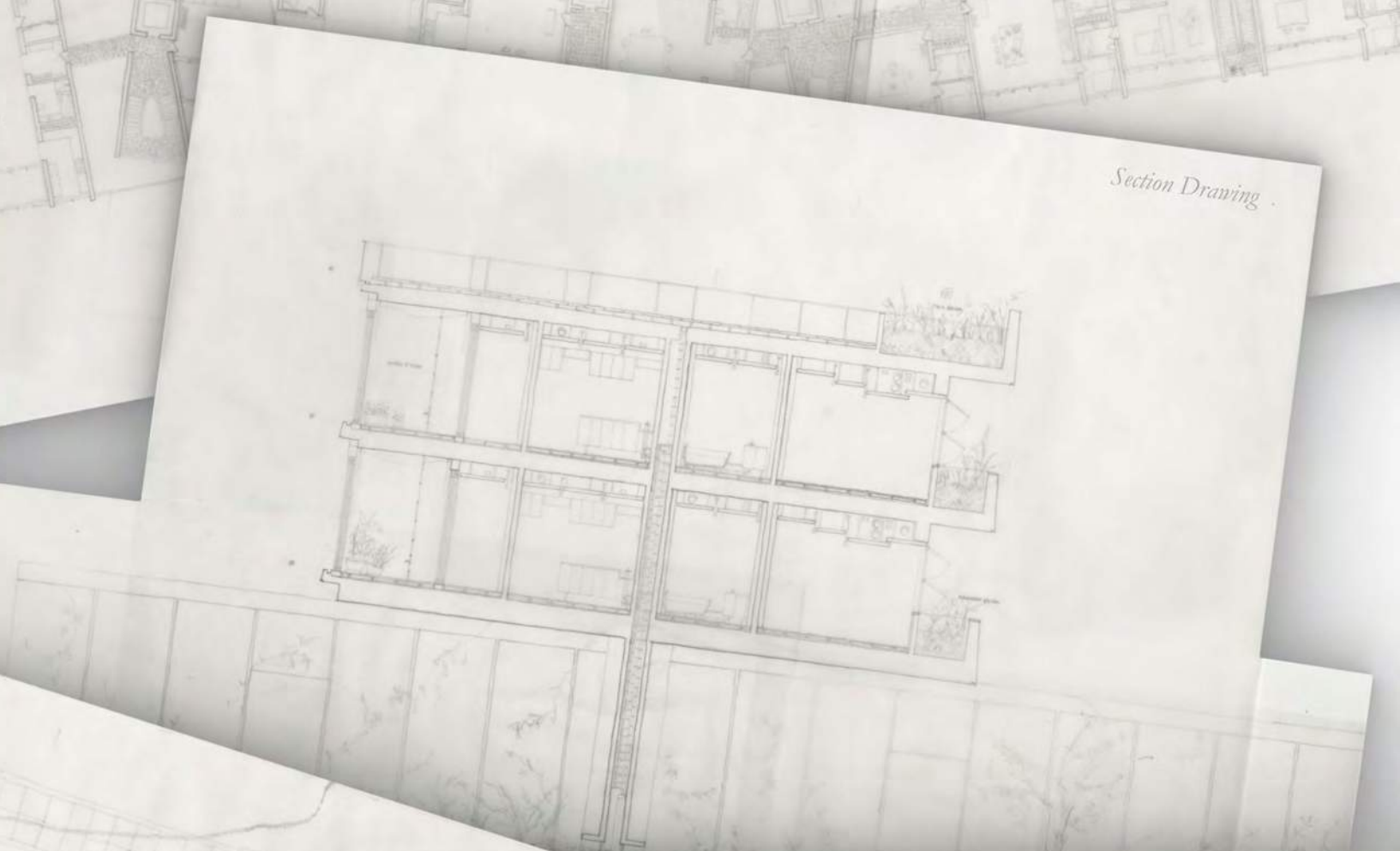
Drawing Production Photograph



Second Floor Plan

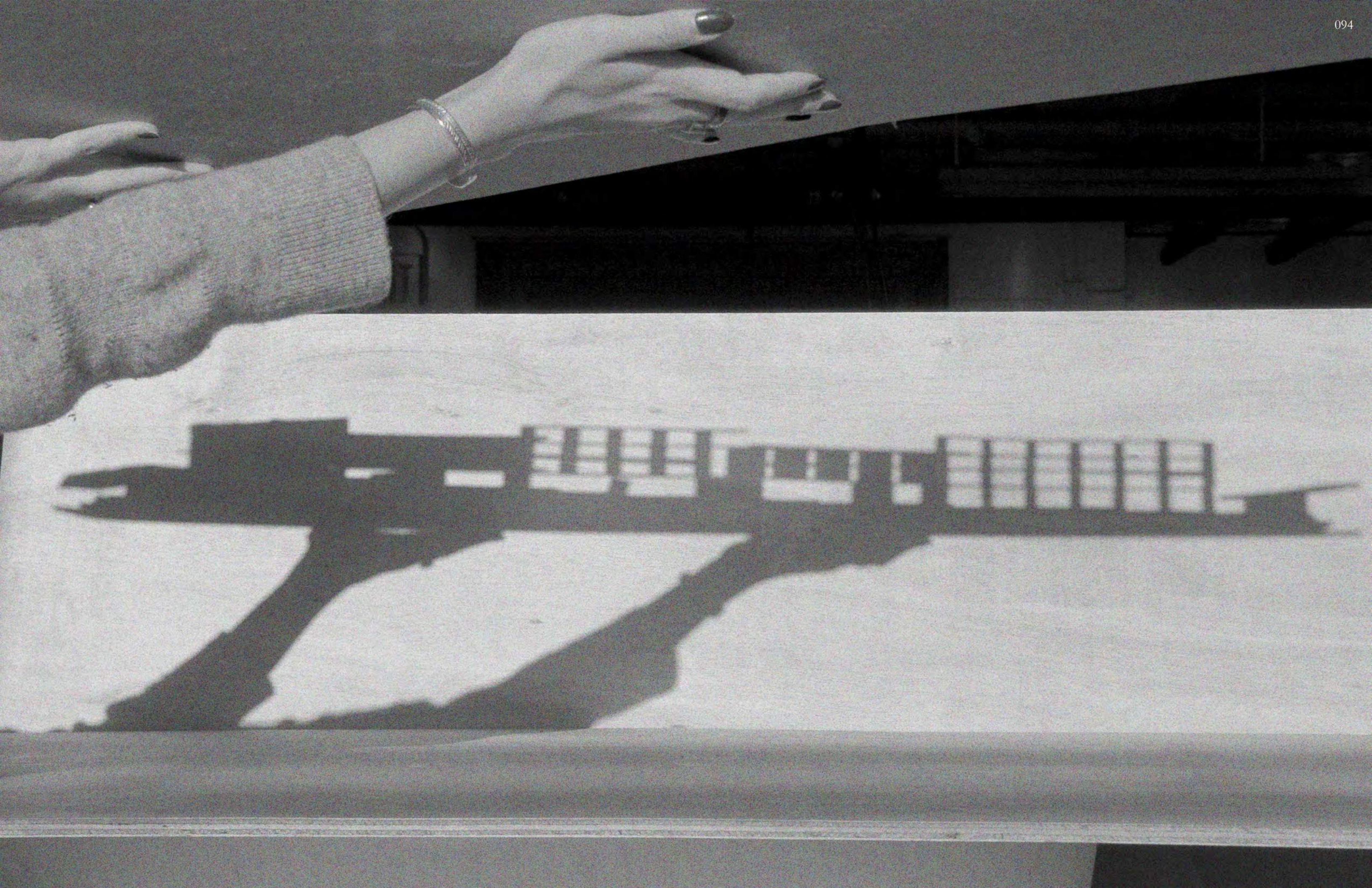


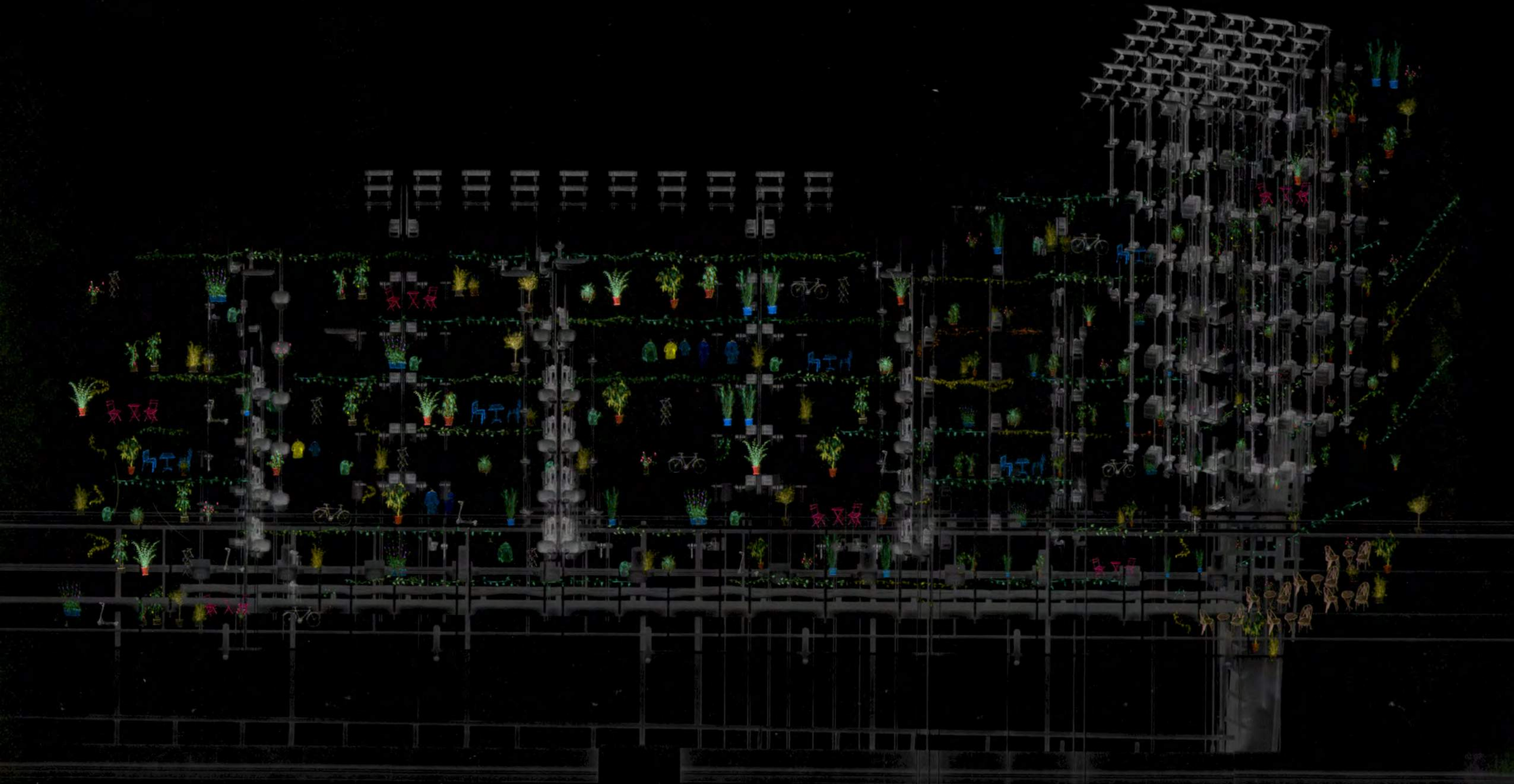
Section Drawing



Ground Floor Plan















Amagansett Community Center, Location: The Hamptons, USA, Model by Ken Farris

アマガンセットコミュニティセンター, 場所: アメリカ, ハンプトンズ, 模型: ケン・フェリス

Centro Comunitário Amagansett, Localização: The Hamptons, EUA, Maquete: Ken Farris

The project begins as two walls weaving together, held together by a calibrated balance of forces. Eight circles of varying radii determine continuous lines of tangential loops, forming a helical composition that encapsulates disparate in-between spaces

このプロジェクトは、2つの壁が織り成す、力の均衡によって限られた状態を作ることから始まる。さまざまな半径の八つの円で、接線ループの連続線を決定する。それが貫き通った中間のスペースを包み込ませる状態の構成を形成して、コミュニティ

that facilitate community and beach-going activities. Wind and water are responsible for sculpting the topography of this ocean-side terrain. Yet the proposal seeks to freeze a range of these capricious curves of sand as walls in a new architectural

ridgeline. Like a beach fence eroded by sand and time, these two walls become a subject of their environment, both supporting and seeking support from the dune. The architecture unites the boundary of land and ocean, dune and beach. This architecture

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beira-mar. No entanto, a proposta busca congelar uma variedade dessas curvas caprichosas da areia em paredes em uma nova arquitetura de crista. Como uma cerca de praia erodida pela areia e pelo tempo, essas duas paredes tornam-se cúmplices da sua própria condição, tanto apoiando quanto buscando apoio da duna. A arquitetura une a fronteira entre terra e mar, duna e praia. Essa arquitetura facilita uma série de programas que vão desde um espaço de observação salva-vidas, chuveiro compartilhado, casas de banho neutras em termos de gênero, centro de treinamento e garagem. Cada espaço é coberto por uma cobertura cônica, com luz vazando de janelas triangulares.

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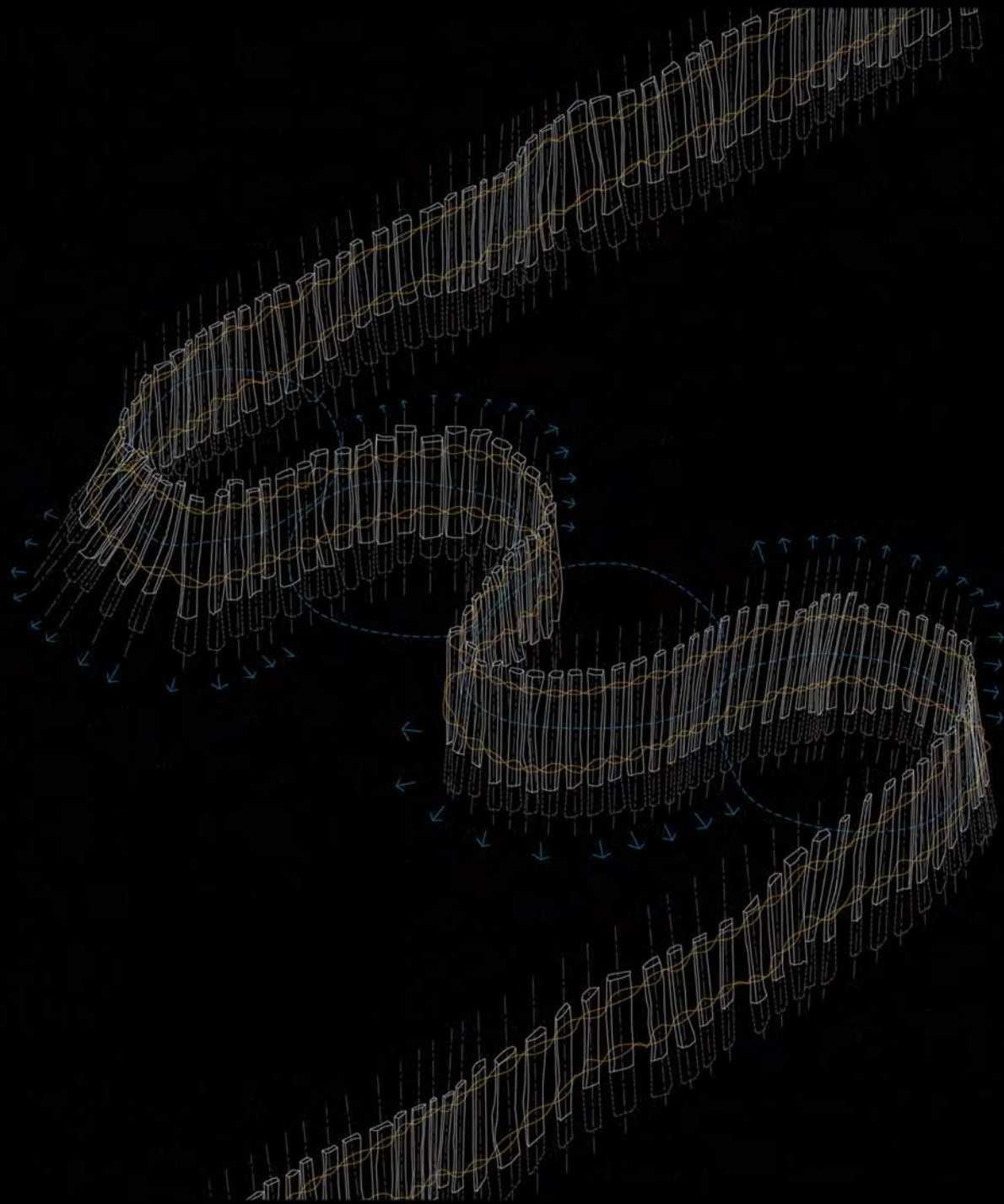
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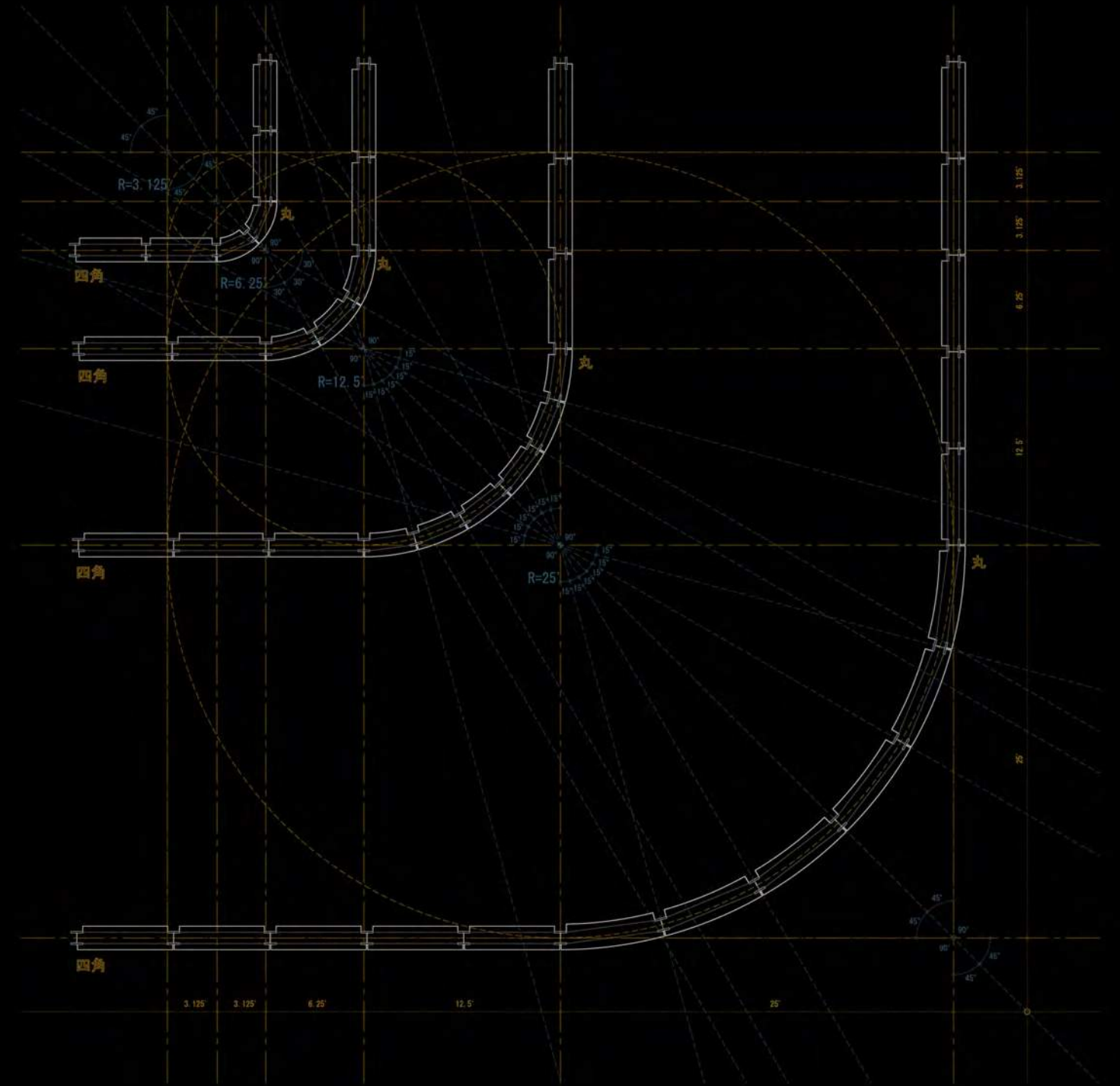
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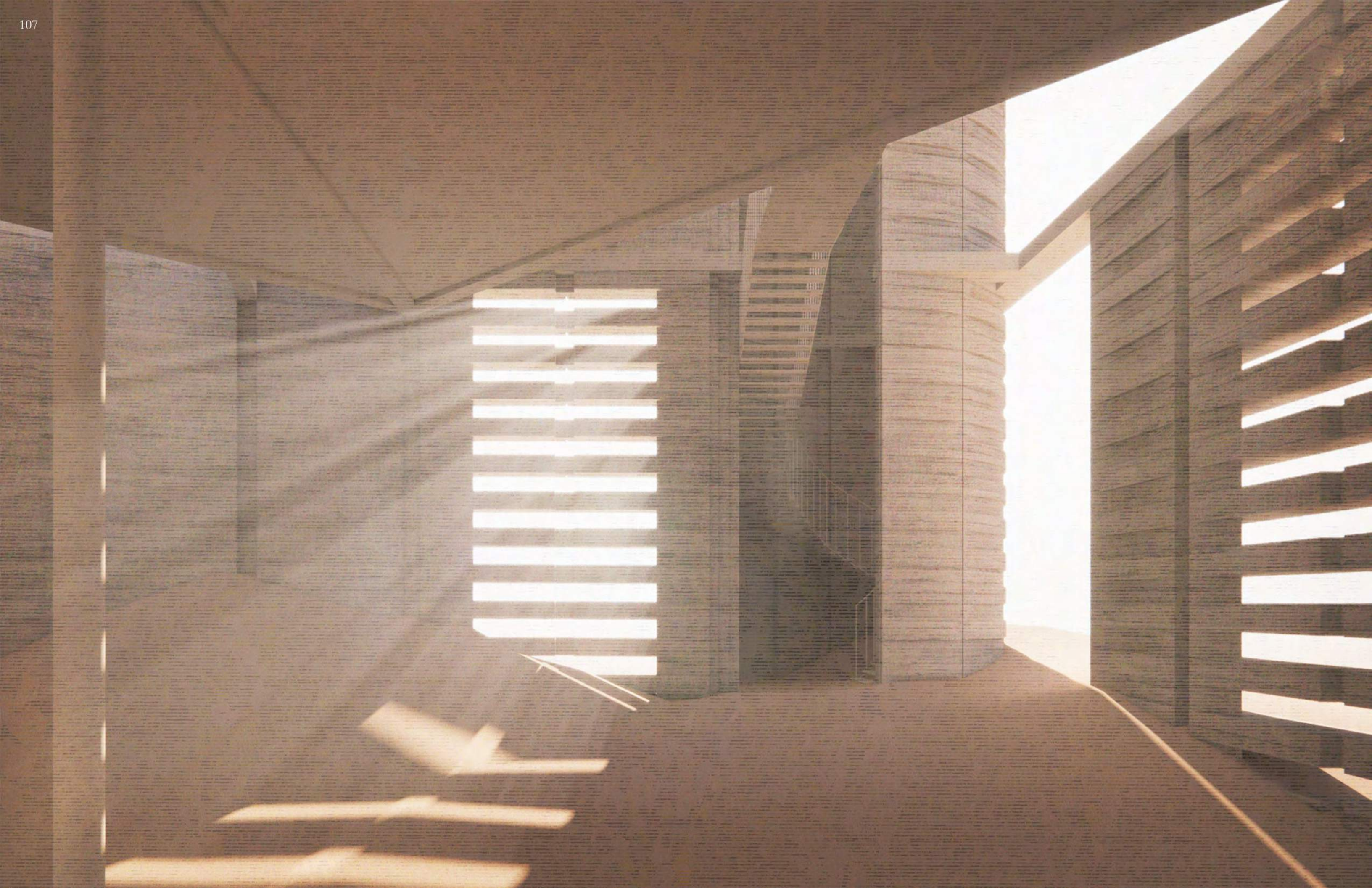
<i>Title:</i>	<i>Type:</i>	<i>Personal/ Academic:</i>	<i>Collaborator:</i>	<i>Professor:</i>
In Dune _____	Comm. Center _____	Academic (S.23) _____	_____	Robert Marino (Adv IV)

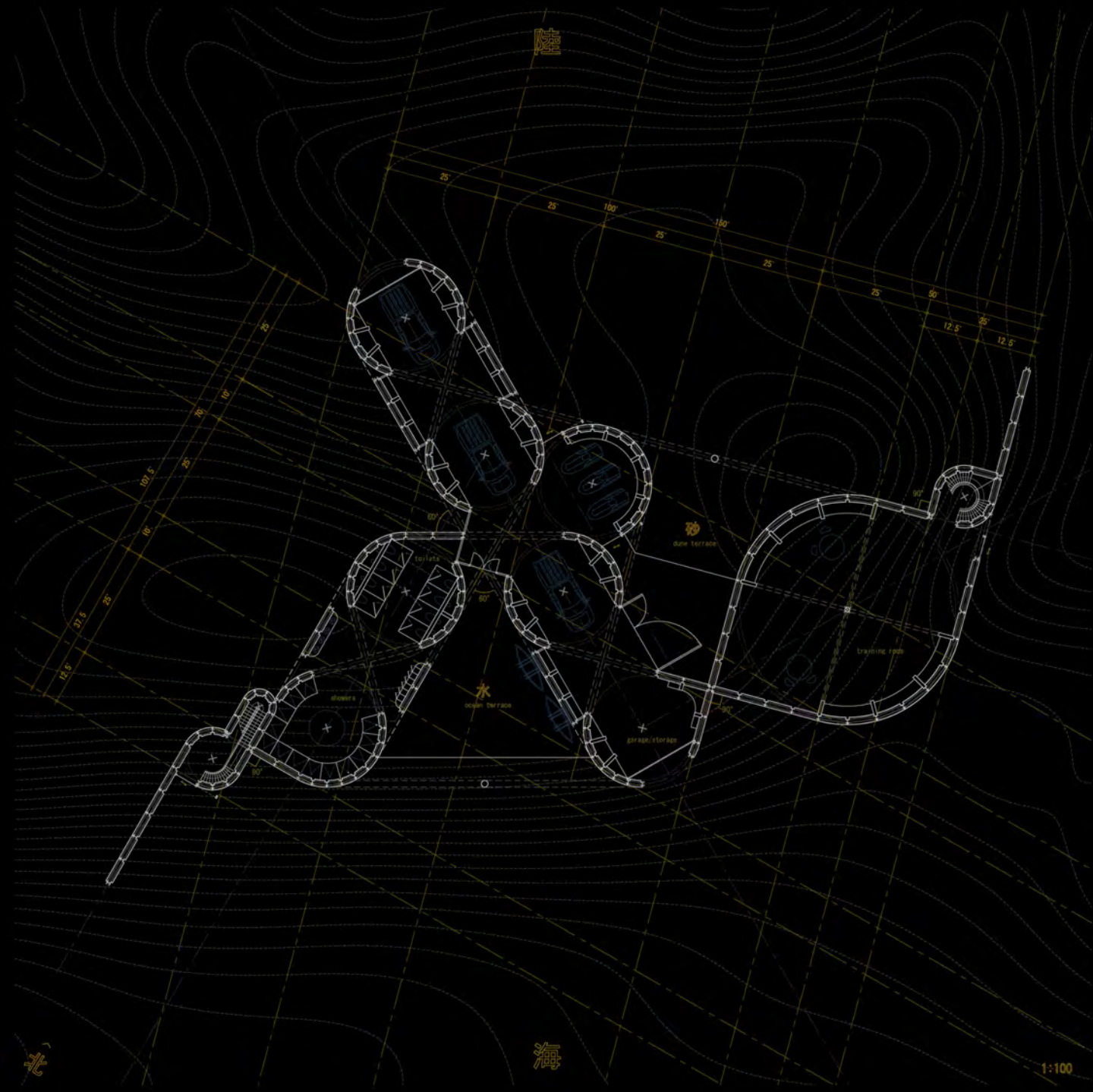


Dune Fence Diagram

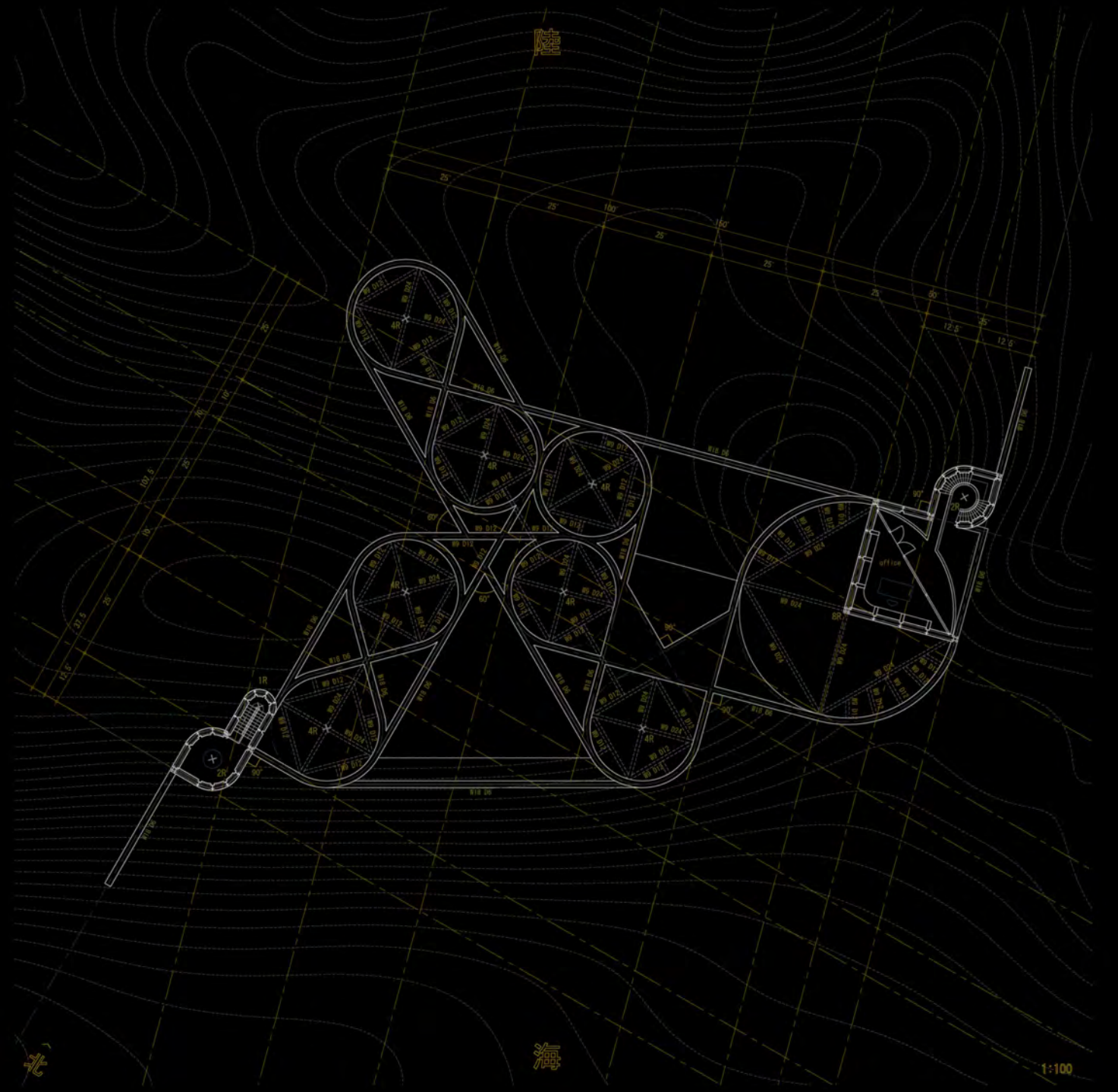


Wall Type Diagram

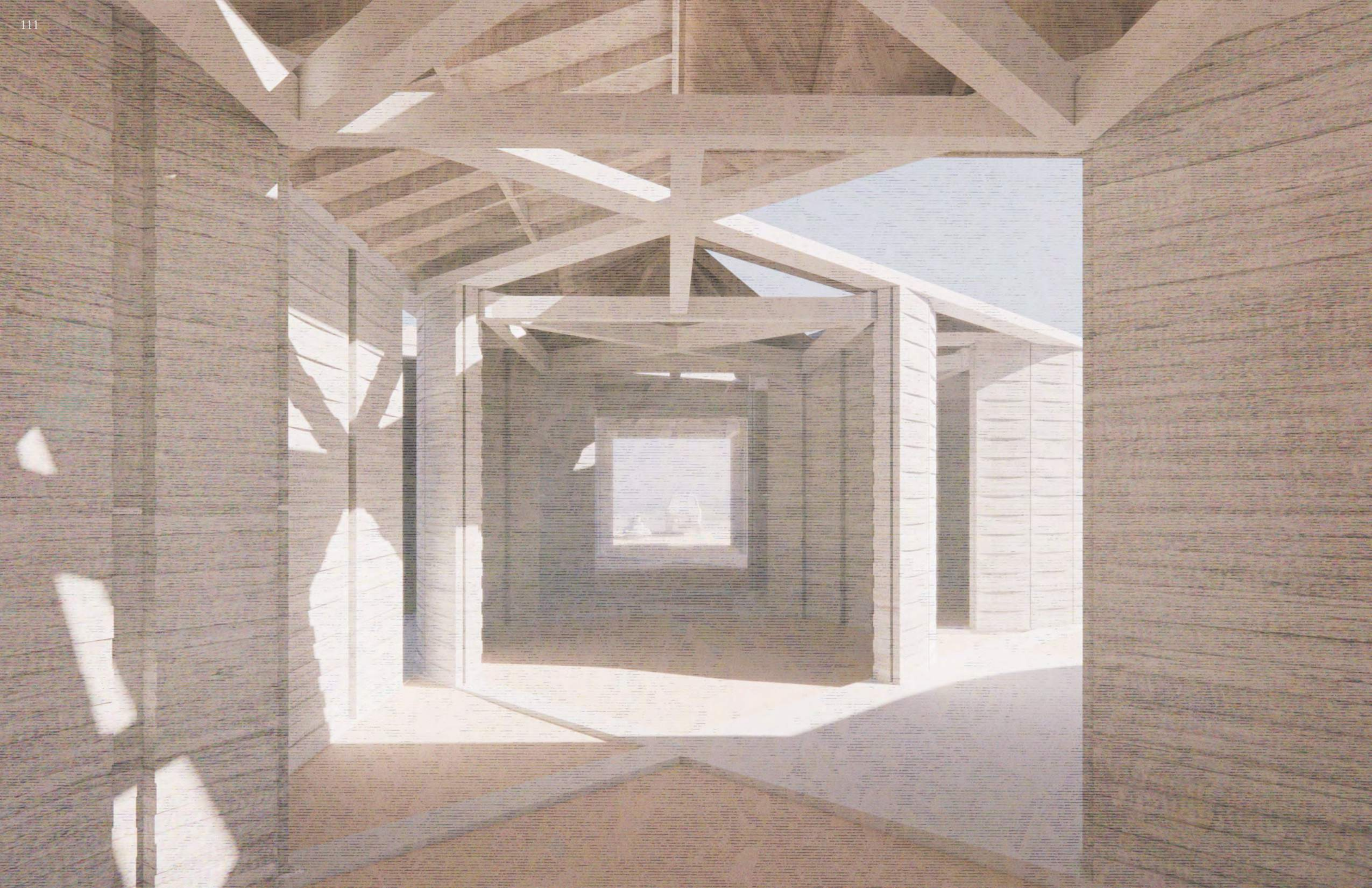


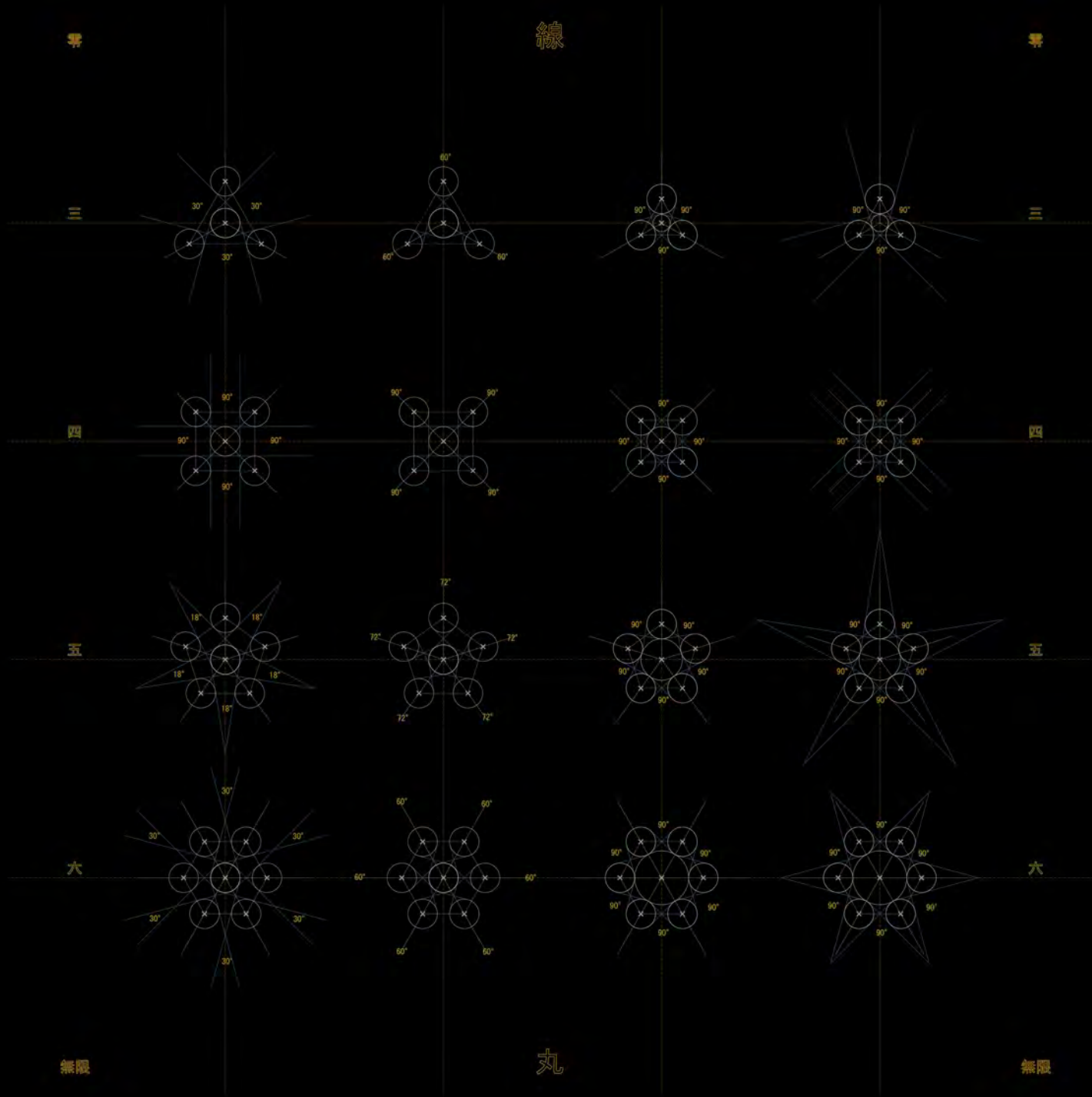


Ground Floor Plan

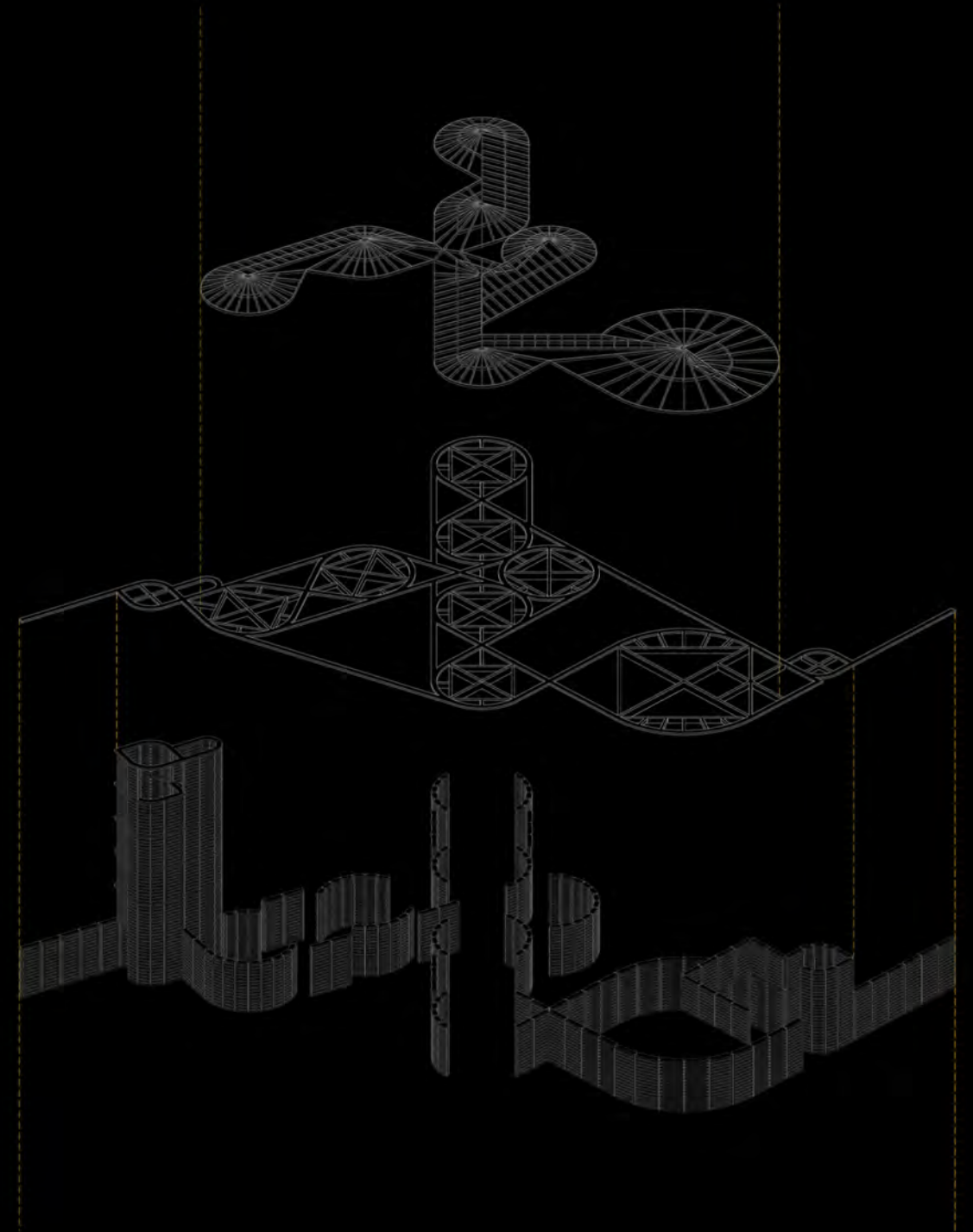


Second Floor Plan

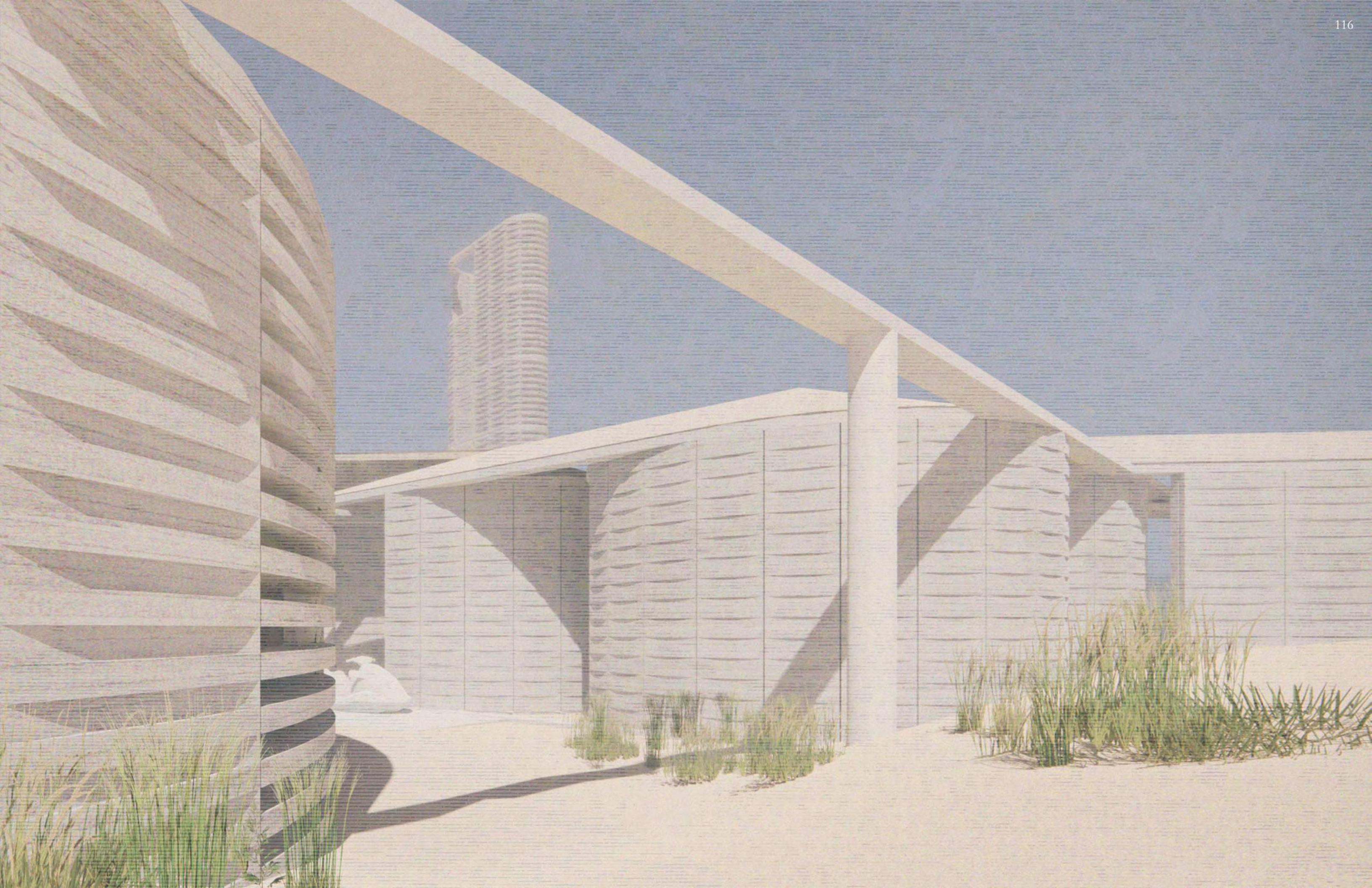




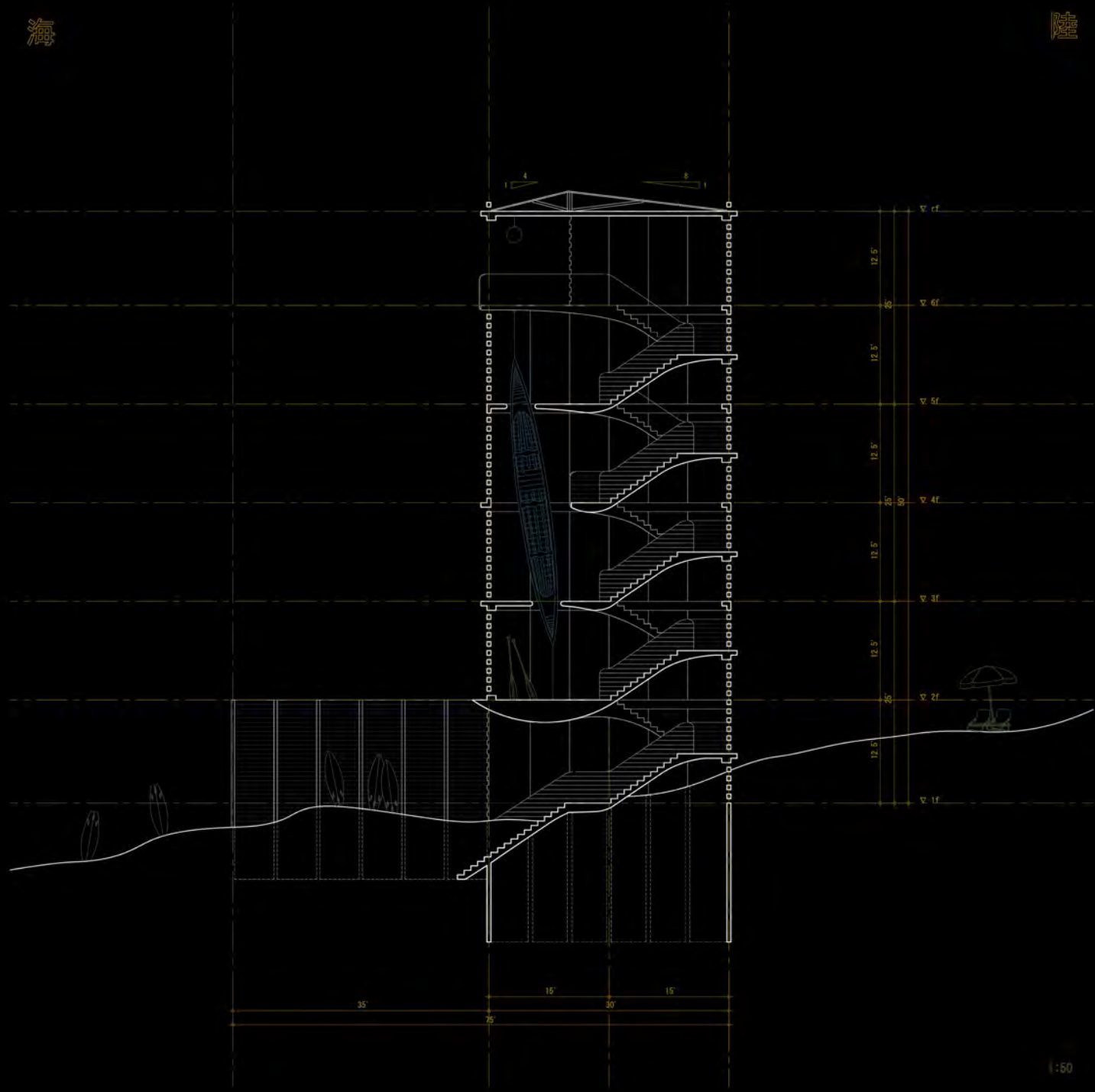
Circle Tangency Diagram



Structural Axonometric Drawing

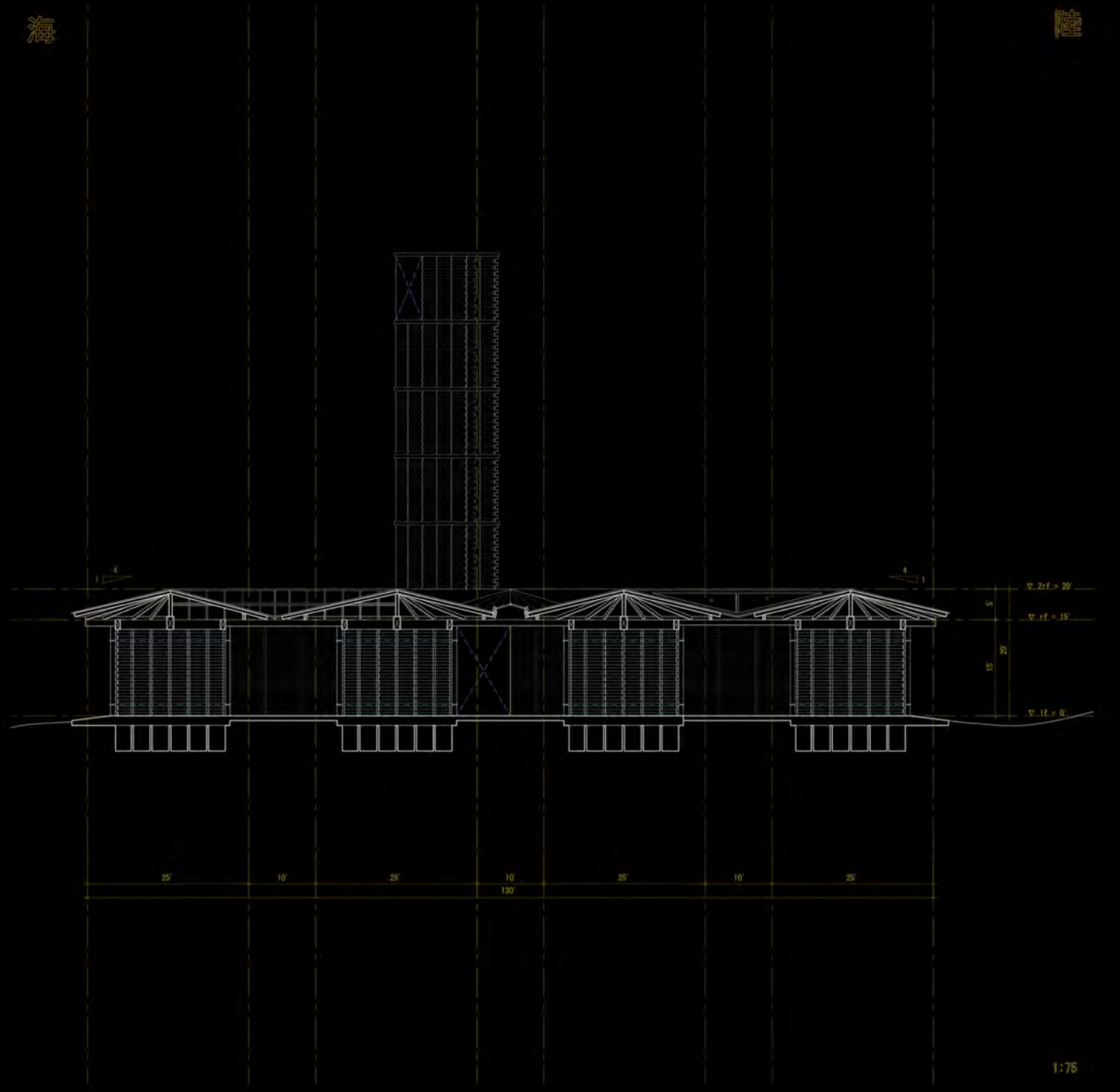


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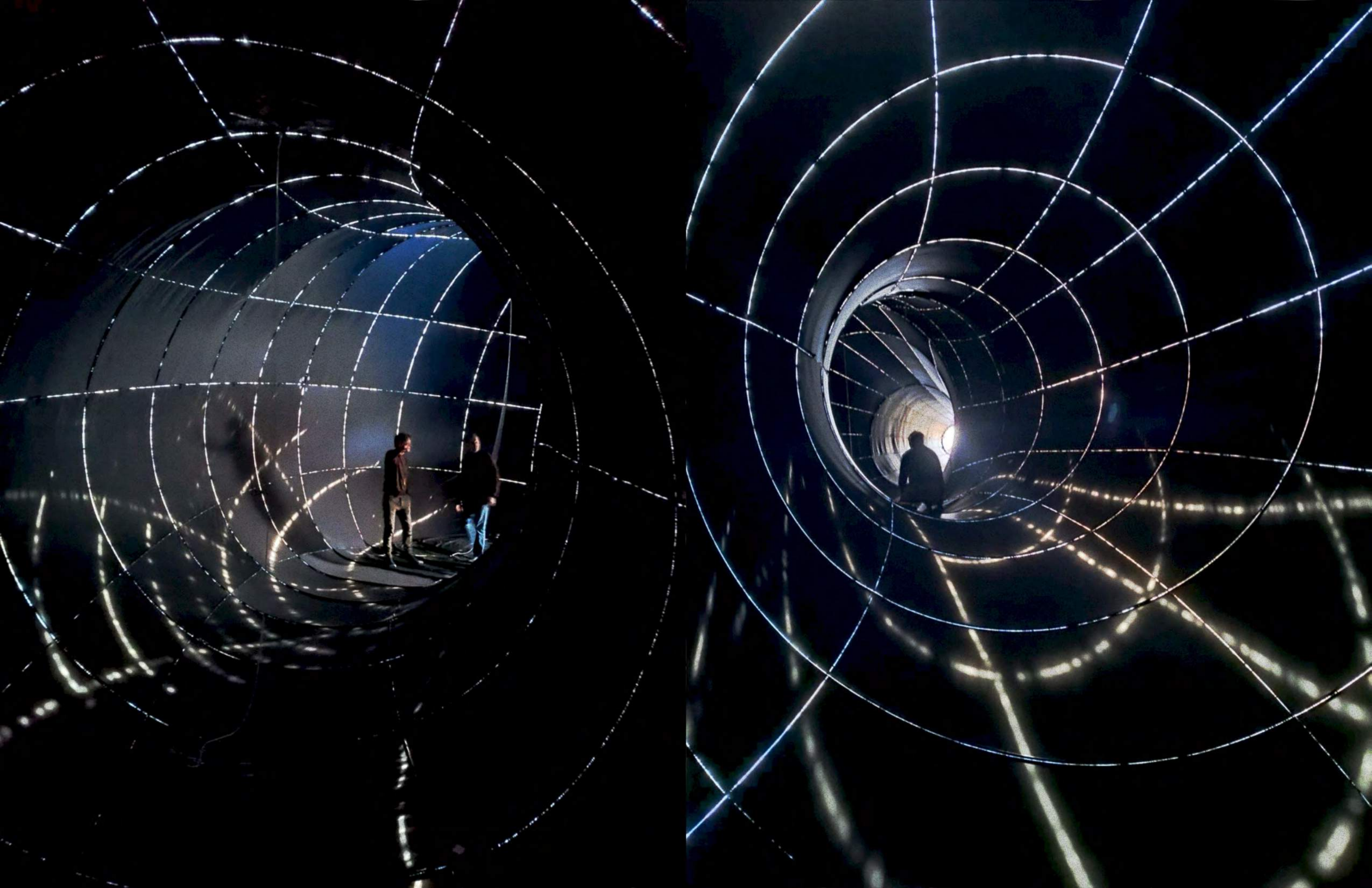
Lifeguard Tower Section

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Garage Section







TO BE CONTINUED