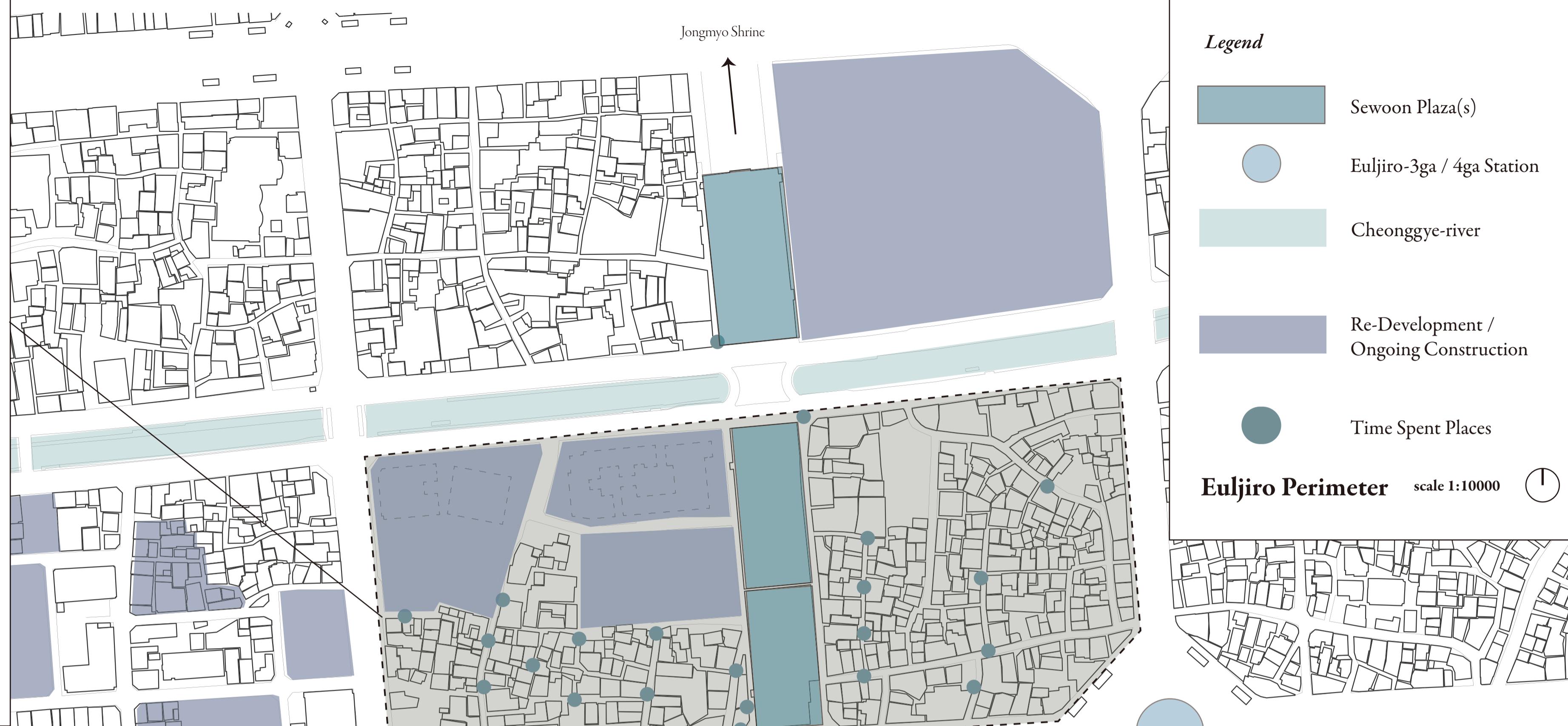
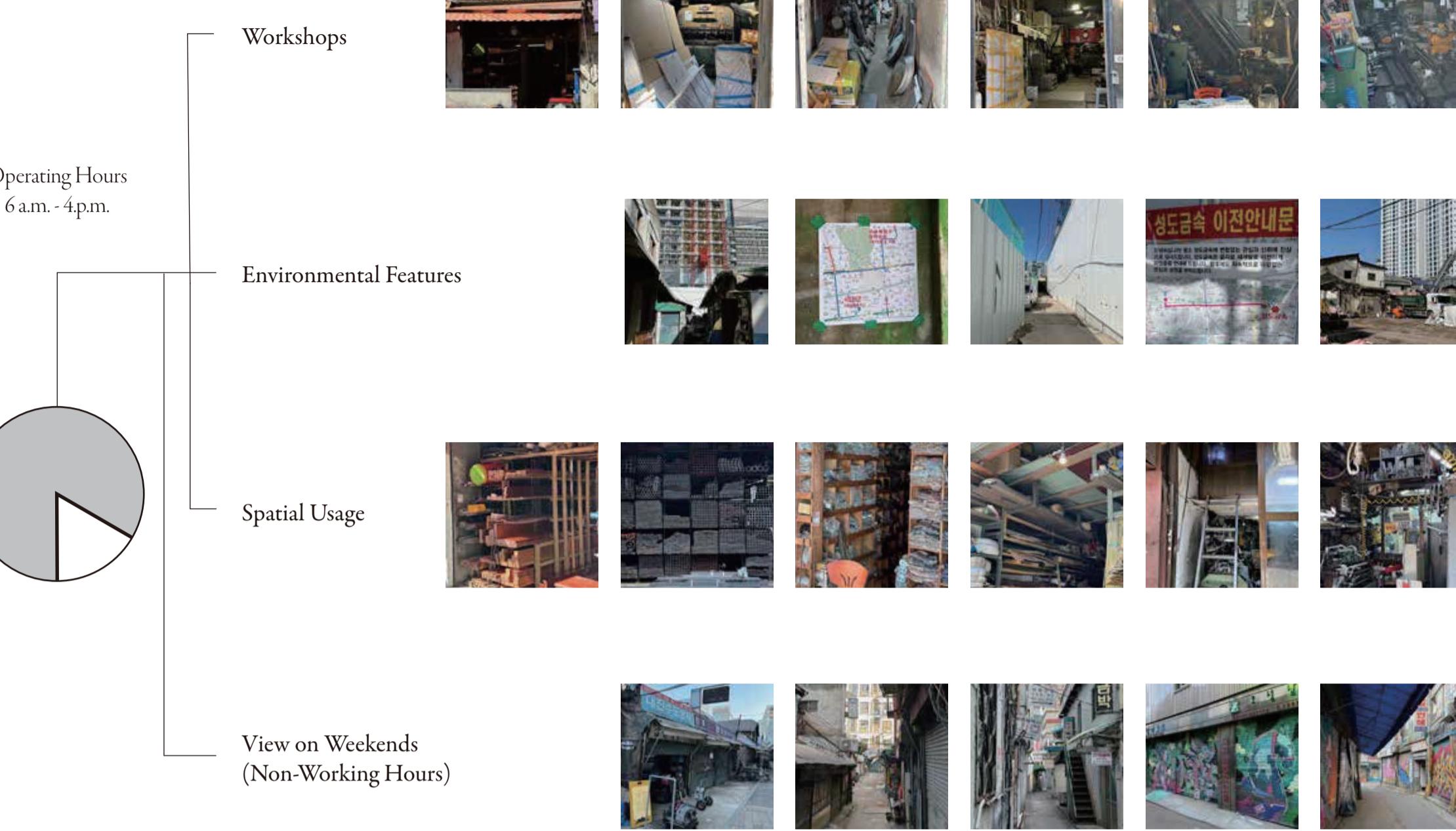


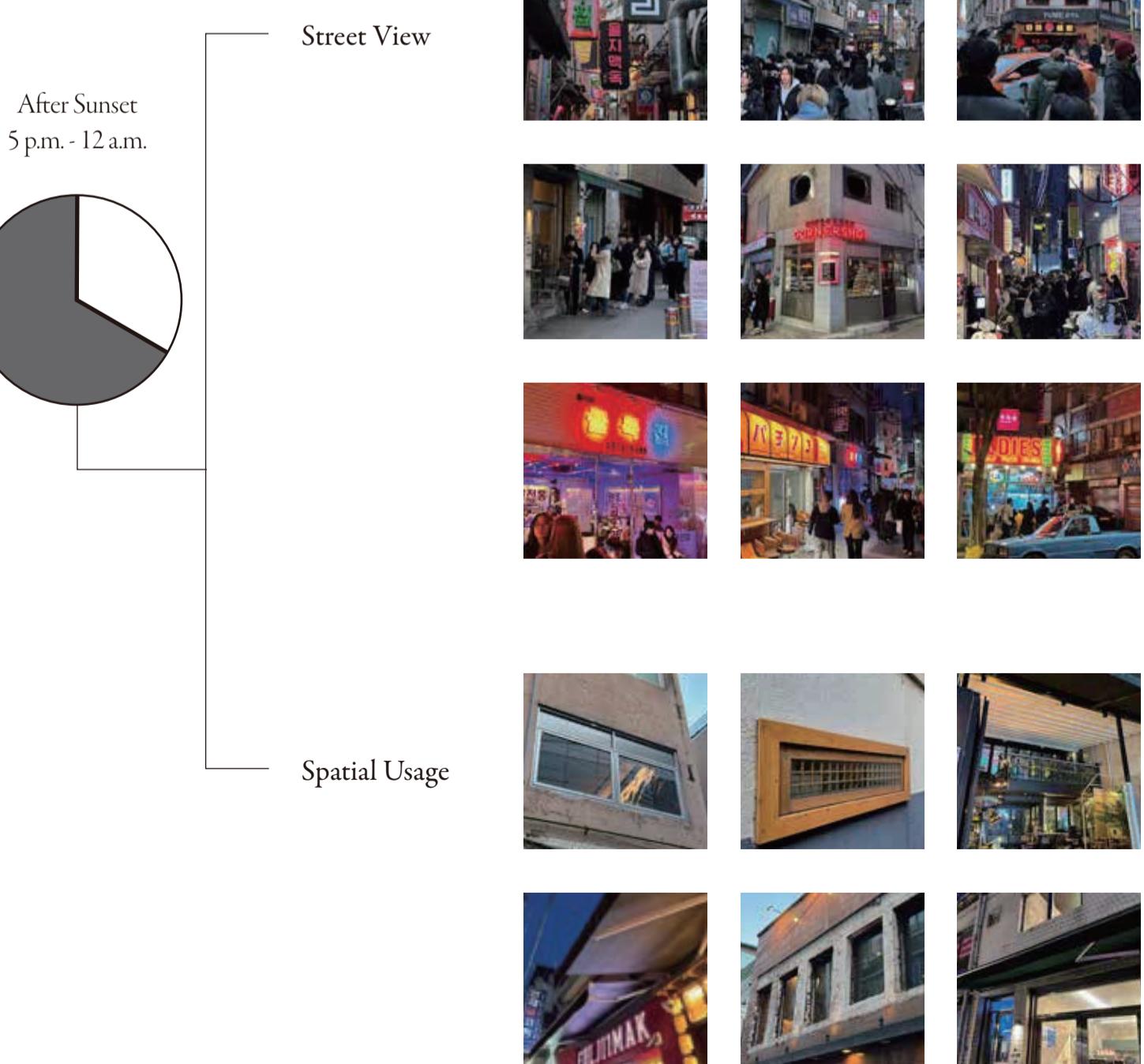
## (Time) Threshold

2024 SS  
Yonsei University  
Architectural Design Studio  
Studio-X Unit 4  
Si Young YU

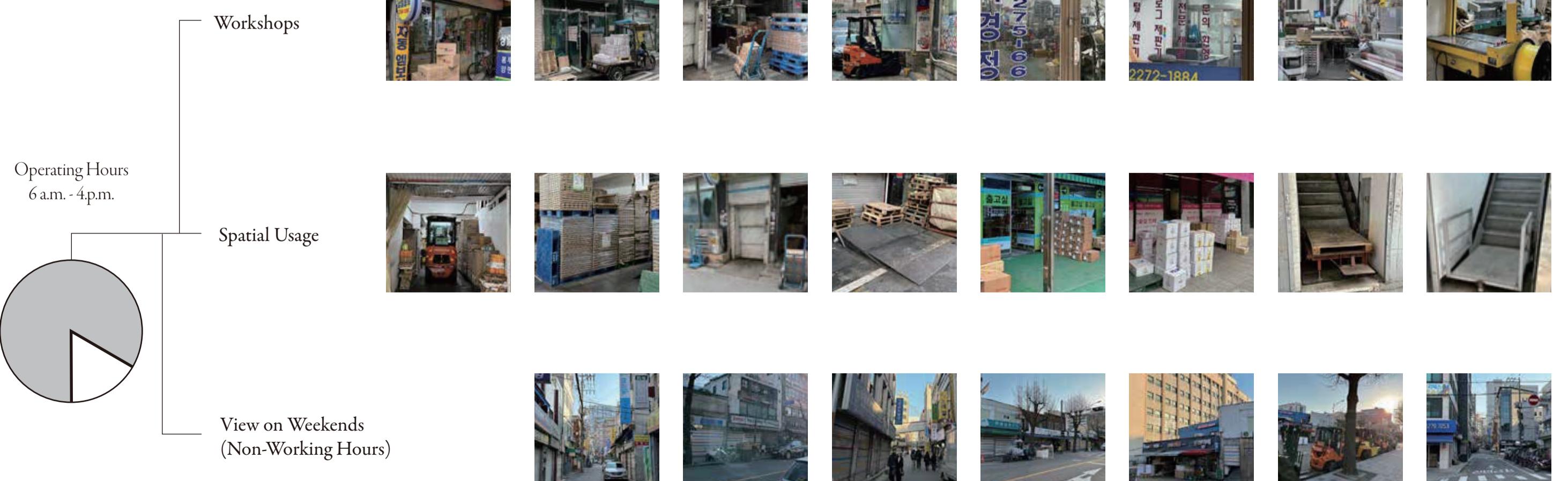
### Euljiro Metal Workshops

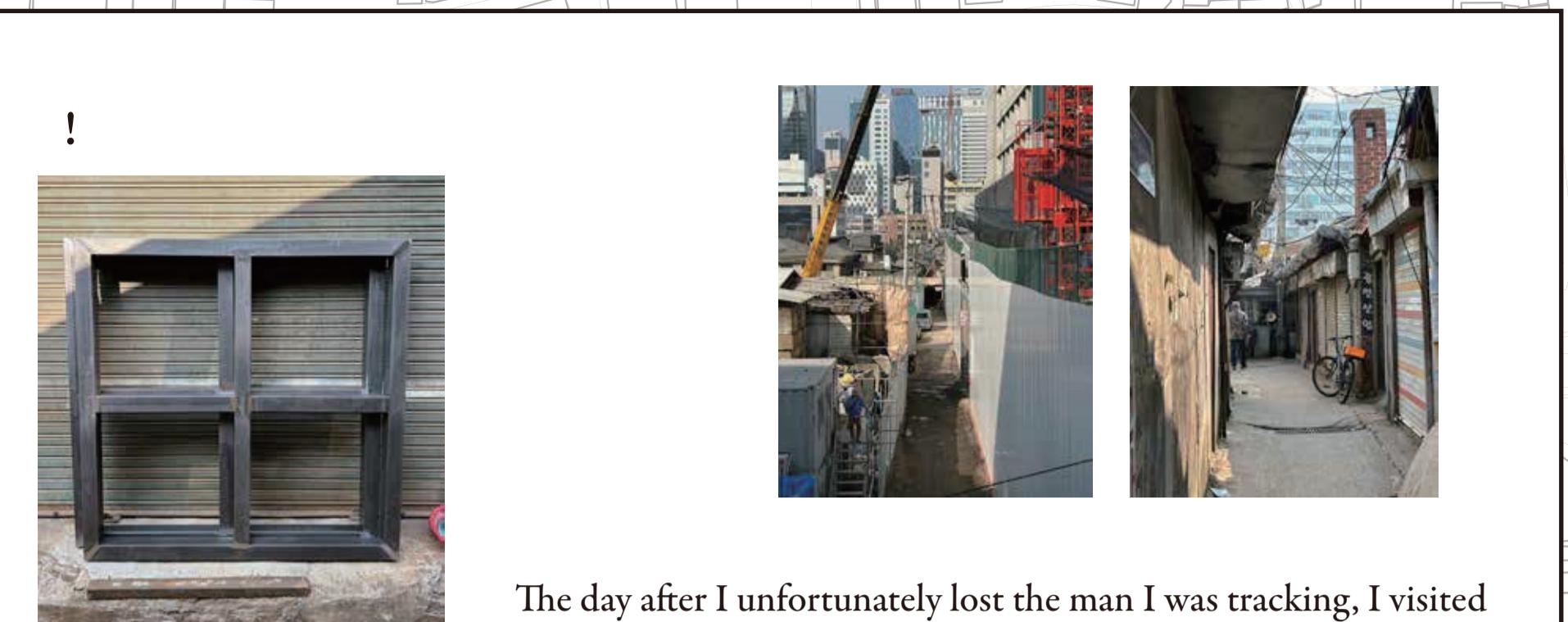


### Euljiro the HYPE



### Euljiro Printing Workshops





By the way, the rough assumption that may be there is a correlation or collaboration between lighting industry and metal workshop turns out to be a false one. The reason that man went inside lighting shops was merely to check out if everything is fine, because they were close friends having regular get-together.

The day after I unfortunately lost the man I was tracking, I visited the area again due to curiosity that how could the metal beams transform into. First I went to the lighting shop he went, and asked where I could find the owner. Lighting shop owner said he is at the 'very old' neighborhood where 'it is just before removal.' I recognized the place and walked to the narrow alley between the giant, noisy construction site. And I actually bumped into one of his team member, and confessed that I actually followed him yesterday. Luckily the team member (who was younger than the owner) answered my question with kindness and showed me the product they made by using the metal beam. It was a iron staple for reinforcement, which was ordered by a company.



A tall man walked his way into a narrow alley ended up at a branch shop of metal workshop. After handing the order sheet, he went a long way to his own shop on the broad street, which was a bearing shop.

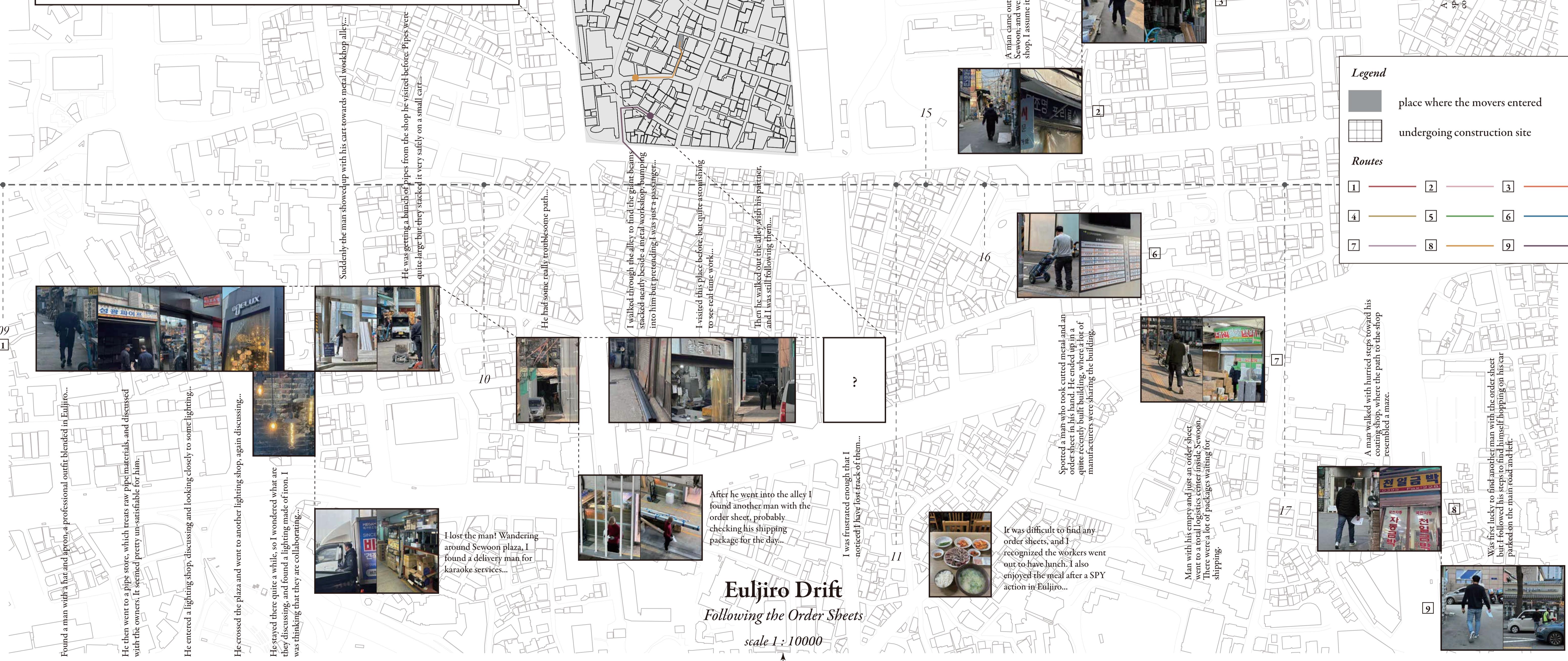


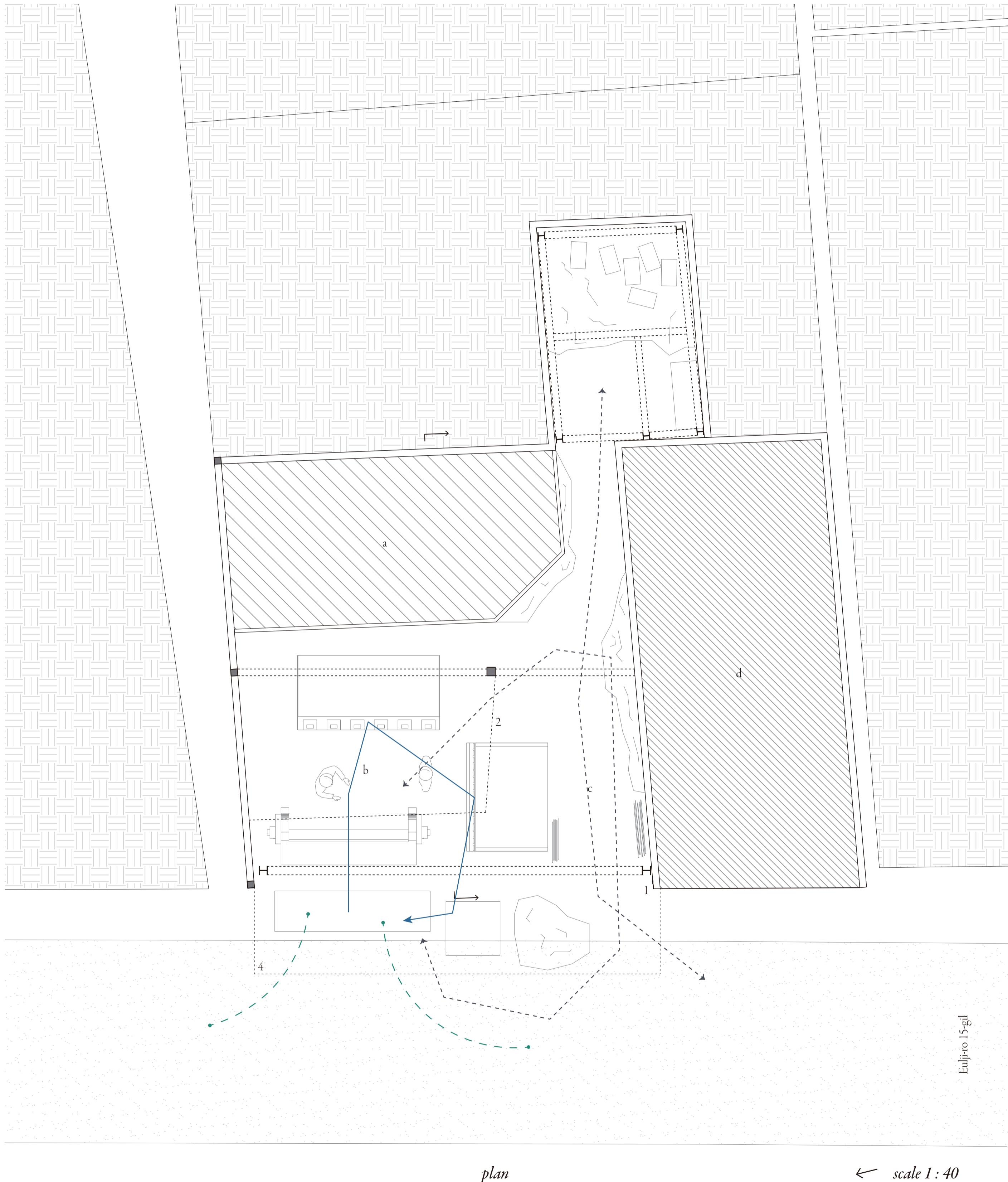
A man went his way to a metal workshop where it sells perforated iron plates...



The next man walked quite fast to his own shop,

| Legend   |                                |
|--|--------------------------------|
| <span style="background-color: #808080; display: inline-block; width: 15px; height: 15px;"></span> | place where the movers entered |
| <span style="border: 1px solid black; display: inline-block; width: 15px; height: 15px;"></span>   | undergoing construction site   |
| Routes   |                                |
| <span style="color: red;">—</span>   | 1 — 2 — 3 —                    |
| <span style="color: yellow;">—</span>  | 4 — 5 — 6 —                    |
| <span style="color: pink;">—</span>  | 7 — 8 — 9 —                    |





#### Space Usage

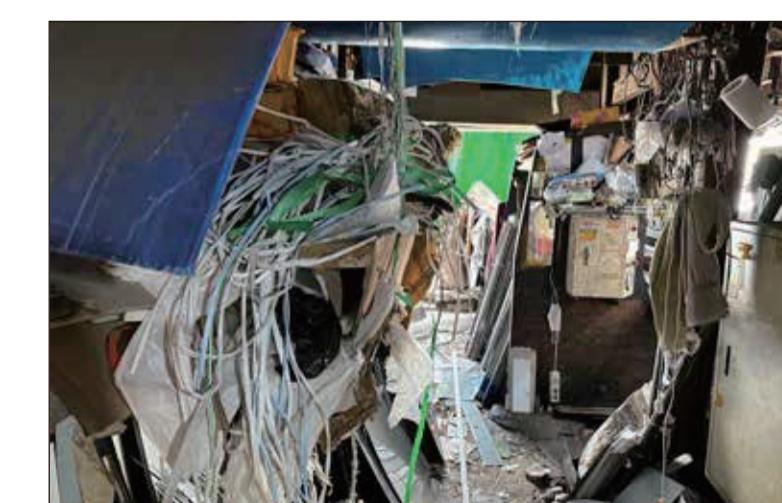
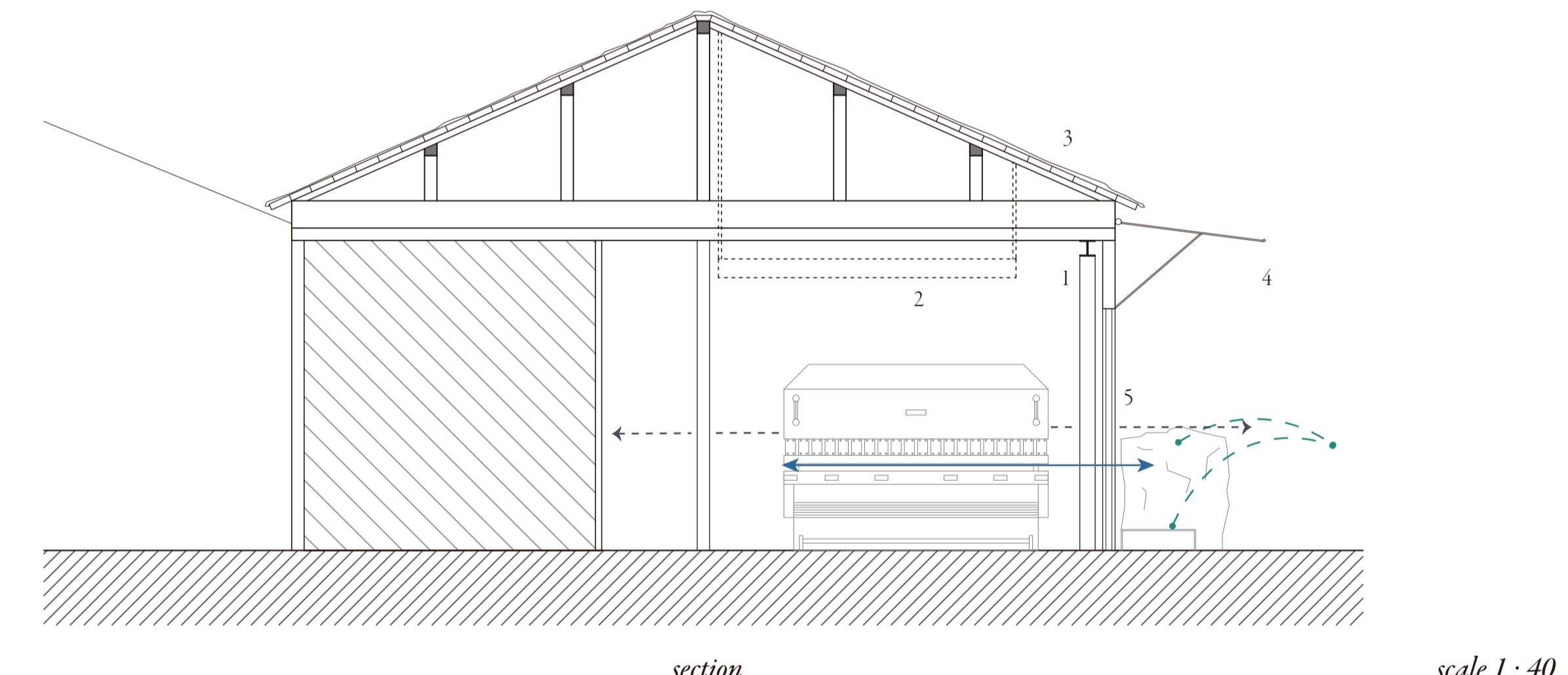
- Blocked area to dump trash or put wasted materials.
- Main workspace to shear metal or press to curve metal.
- Alley full of spare materials or boxes and strings to wrap up products.
- KeumSung sales store, sharing a roof but disconnected by concrete wall.

#### Space Transformation

- Handmade and built H-beams for structural issues.
- Once used via ladder, now unoccupiable Japanese attic.
- Awning due to water leak.
- Canopy for pick-up convenience.
- Steel frame for open/close shutter doors.

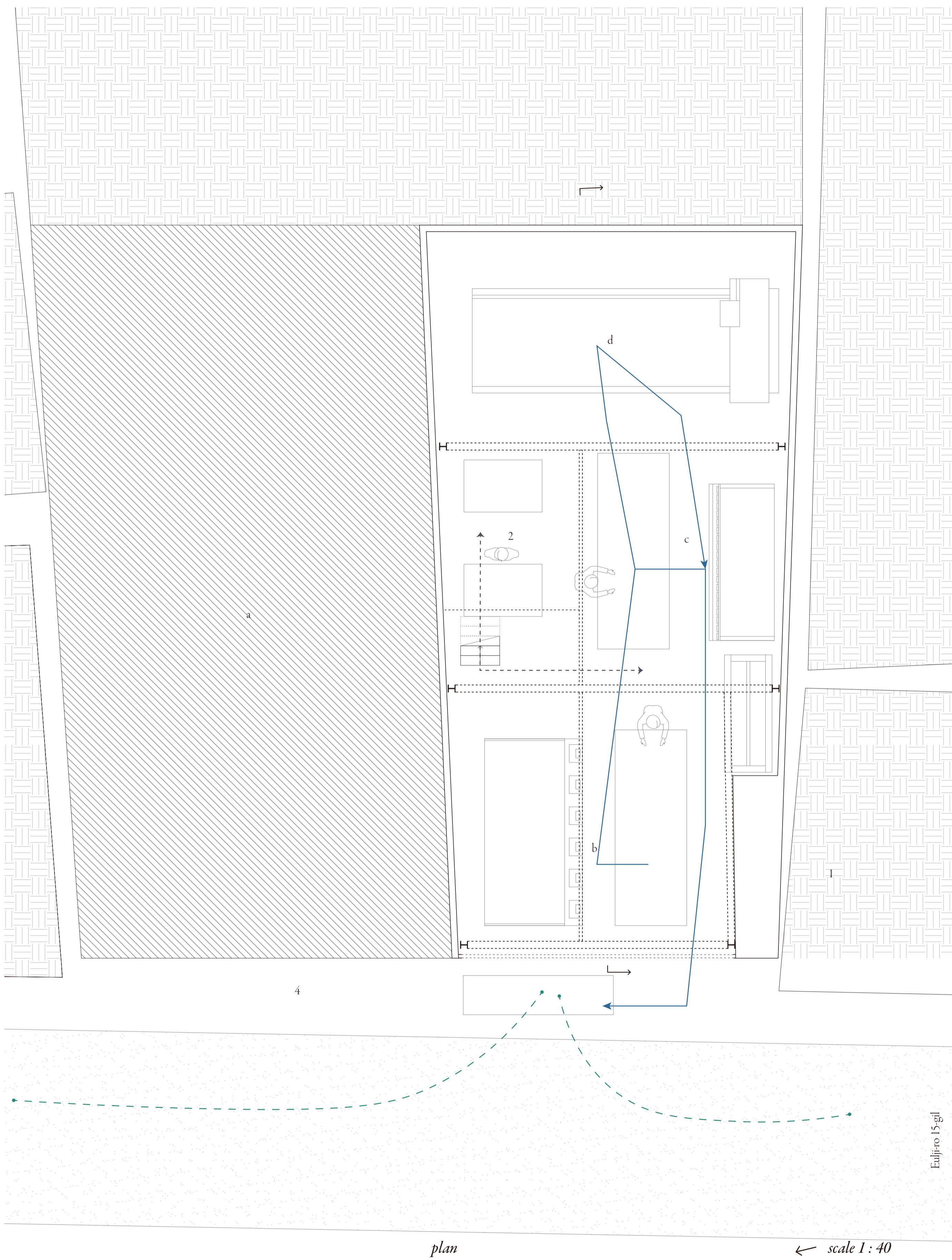
#### Routine Procedure

- People come to the front of the workshop to lay down their materials, normally in rectangular shape, unprocessed.
- Customer and the owner then negotiate about the details of manufacture, like width, length, quantity, radius of curving, etc.
- Most of the time, the primary process is to cut the metal plates into desired dimensions and quantity. The workers slides the metal plate into their working area.
- Next step is to curve the metal. When the plate is too big for one person, workers help each other to hold the plate vertically to the bending machine. When only curving of pieces are necessary, it can be done alone. Occasionally when the customer requires V-cutting, it has to be sent to DaeYoung Ironworks B place which is just a few meters away along the alley, where large CNC cutting machine is.
- After repetitive works are done and the product is ready, the owner takes some pack thread from inside where visitor can't even recognize where it was, and wraps up the merchandise for delivery. Often it is packed in boxes, but mostly just a bundle of metals.
- On the time when customer and owner have made an appointment, customer picks up the merchandise in form of the workshop, where there are small steps for convenience. Some customers are other workshop's owner and some only does the delivery.



## DaeYoung Ironworks A

*40 Years of Ironwork, Now Facing Imminent Redevelopment*



## DaeYoung Ironworks B

40 Years of Ironwork, Now Facing Imminent Redevelopment



### Space Usage

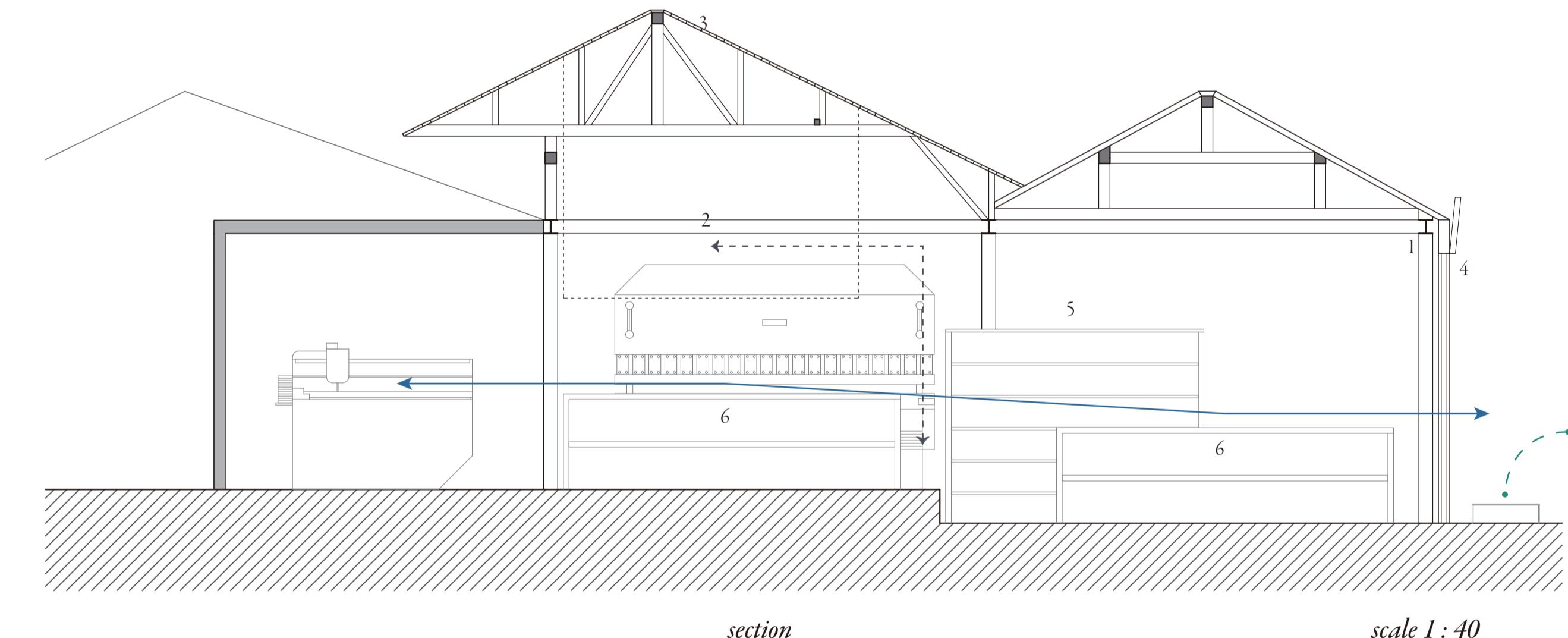
- a. TOMATO A&P store, which not used for awhile.
- b. Main workspace for shearing large metal plates.
- c. Main work space for bending metal plates.
- d. Workspace for V grooving metal plates

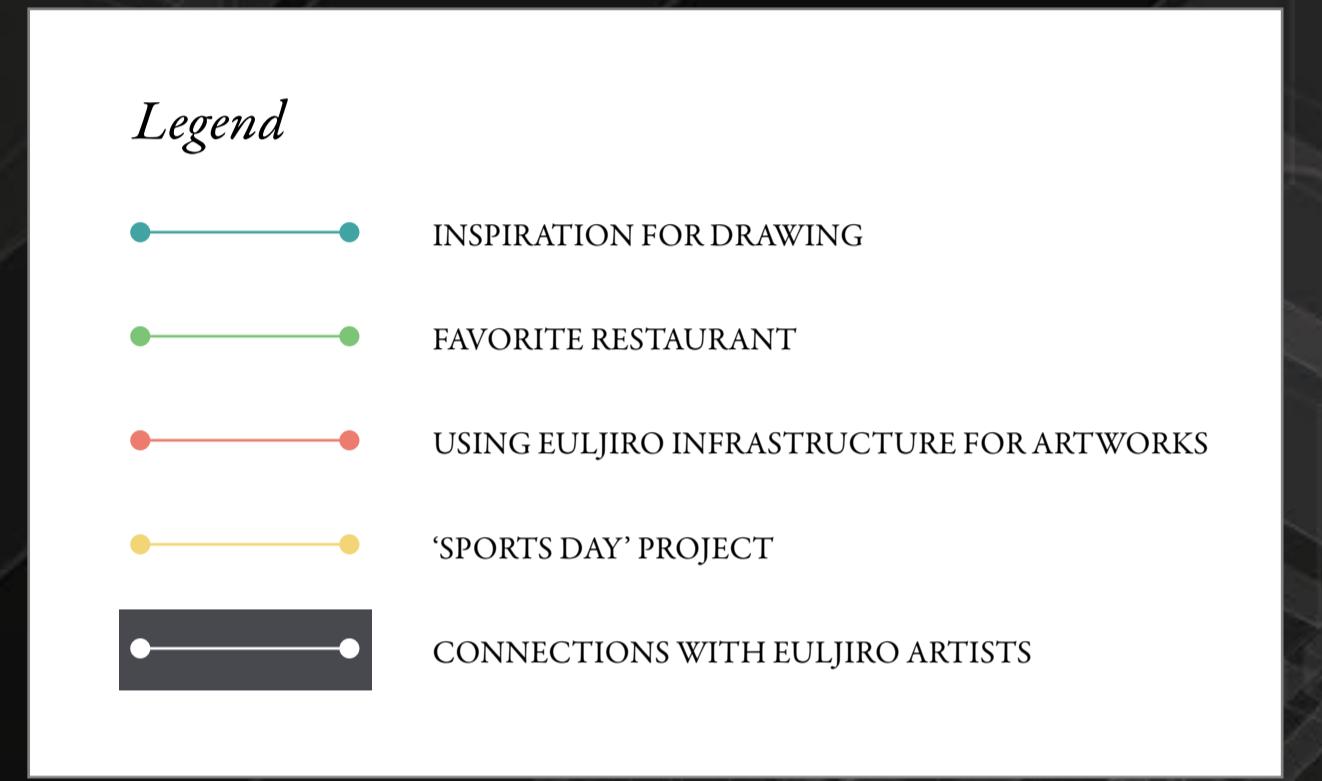
### Space Transformation

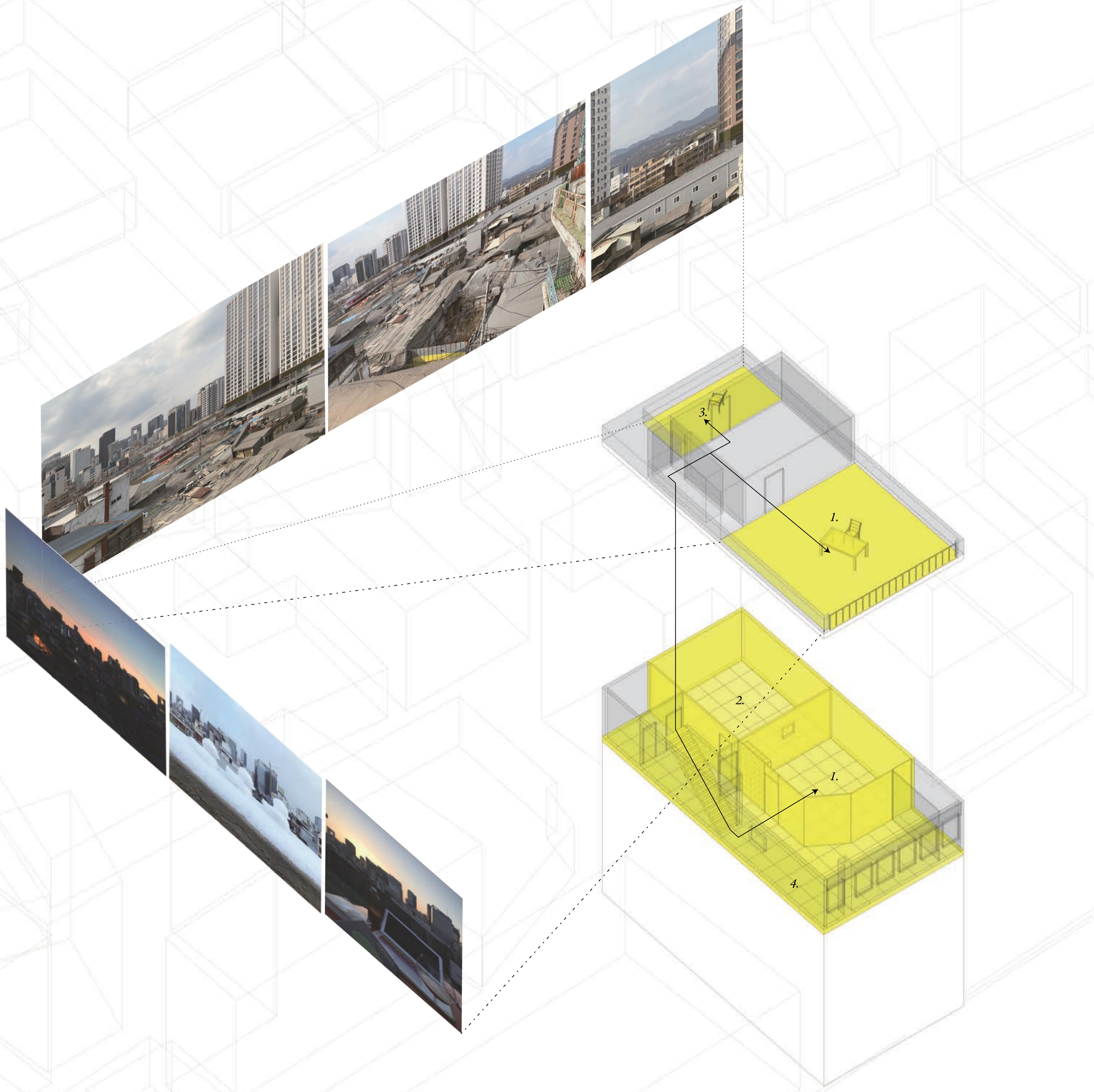
1. Handmade and built H-beams for structural issues.
2. Built office on upper story attached to H-beams frame and connected with steel stair case.
3. Metal awning for space expansion.
4. Steel frame for open/close shutter doors.
5. Handmade iron shelf for stacking pre-ordered materials.
6. Handmade iron table for dealing with large metal plates.

### Routine Procedure

- i. Mostly takes work from DaYoung Ironworks A, but sometimes they independently have their own contraction.
- ii. Working process is similar but there are hand-built metal tables for their convenience. Metal materials follow each table for each steps of manufacture.
- iii. After procedure, the merchandise is placed in front of the workshop, where small steps for delivering convenience.
- iv. On break time or need for document, workers head to built-in office on the second floor, structured between the main frame.

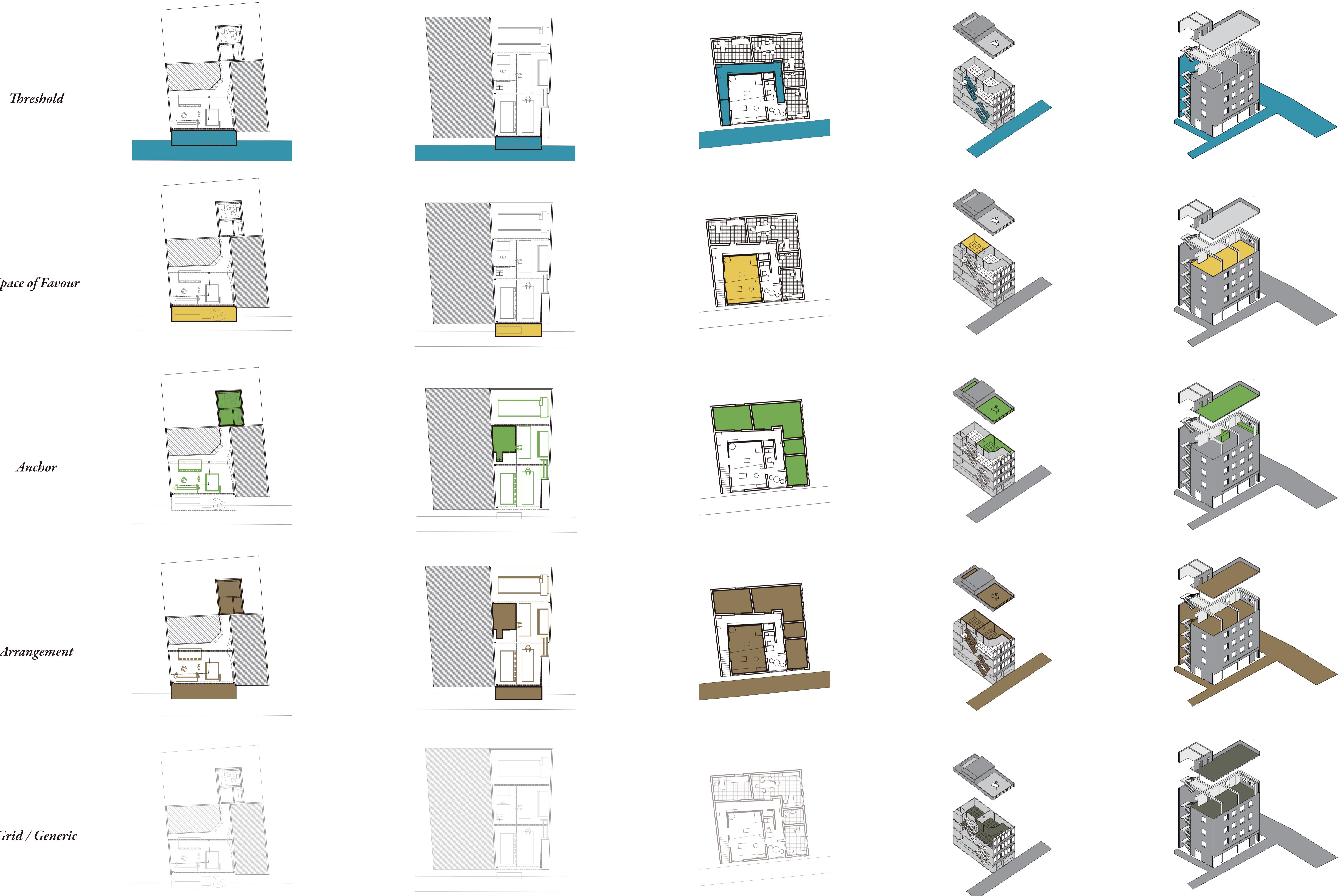




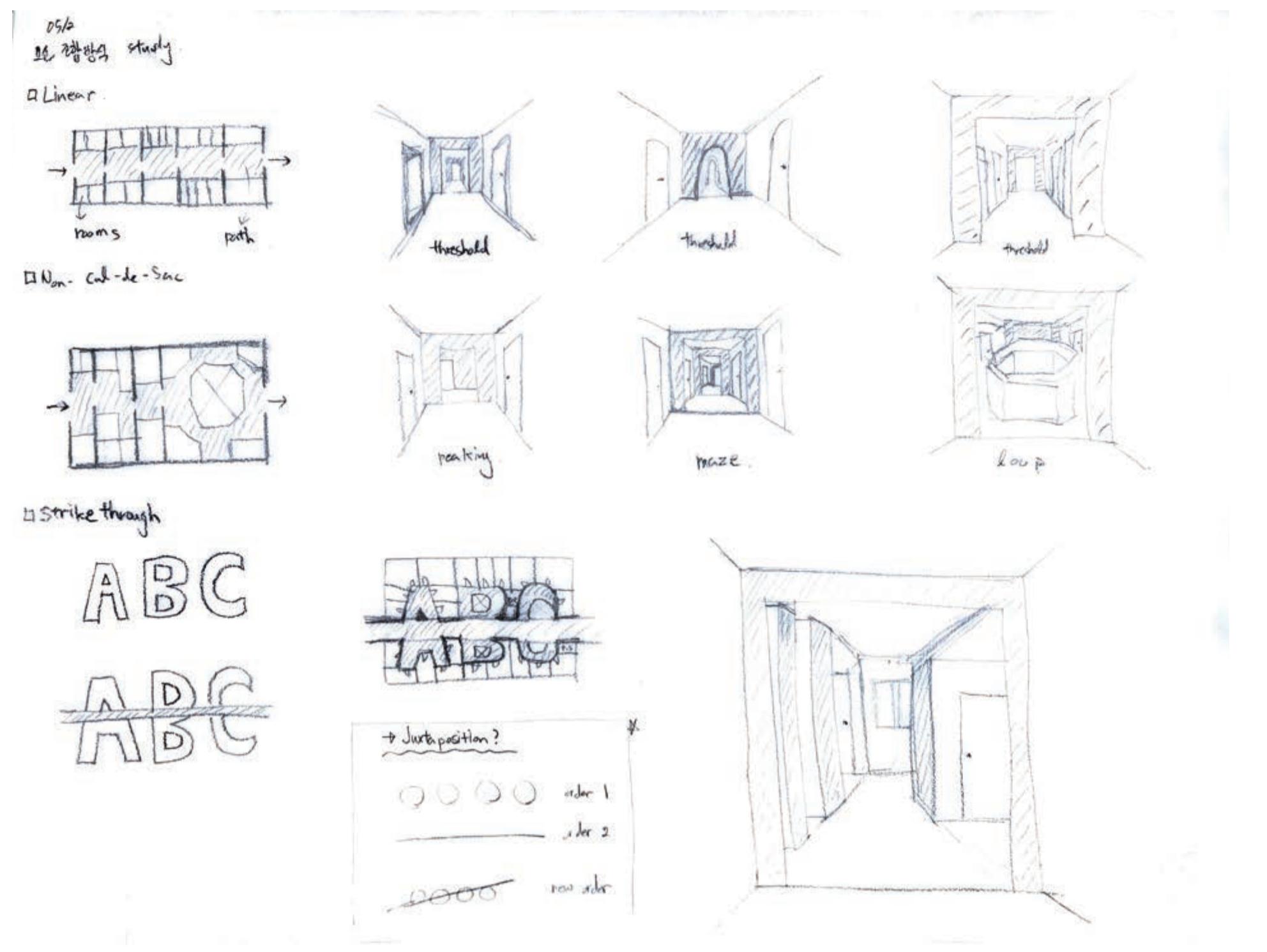


### Legend

- ..... View from the rooftop (Current)
- - - View from the rooftop (Past)
- ↔ Path between rooftop and workshop
- Elements make W. Y. Son's ritual of life
  - 1. Juxtaposition of open rooftop and closed workshop
  - 2. The adjacency of one's own occupied space and another's occupied space
  - 3. Voyeuristic rooftop space
  - 4. Grid for economic efficiency

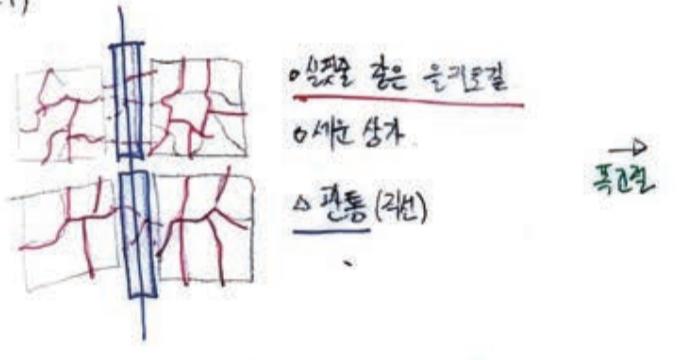






- Joint position은 동반 풋워크 구간 +  
 ③ 복합 풋워크의 order는 무엇인가?  
 ④ 풋워크 order가 복합화는 원인은 무엇인가?

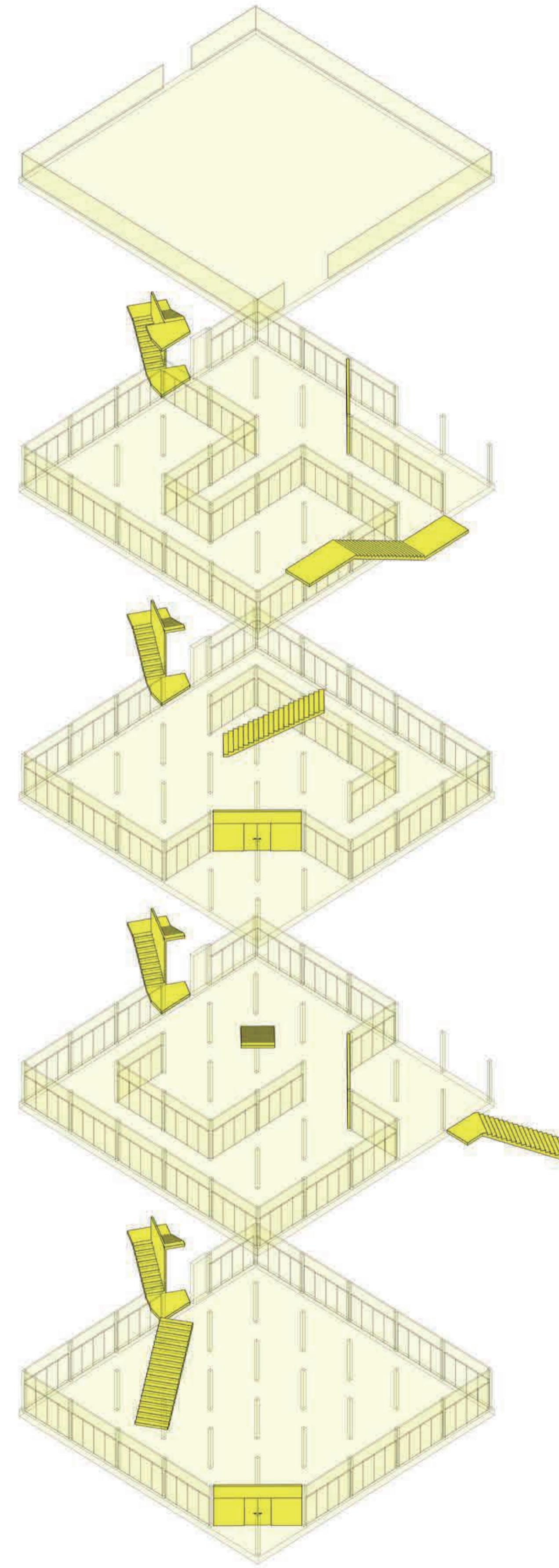
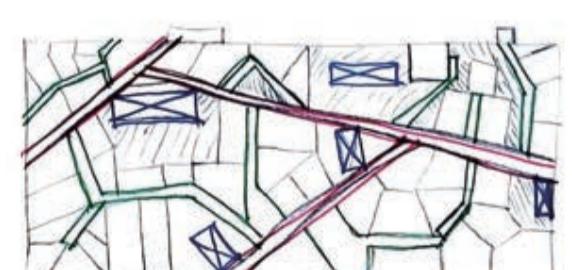
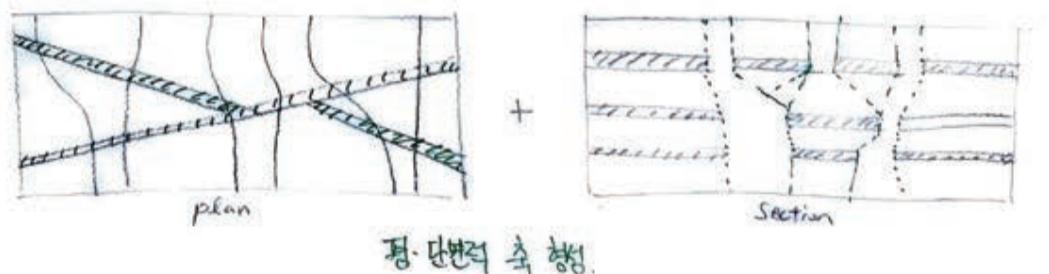
for ① ②  
 '복합 풋워크'는 만들기 편,  
 풋워크에 종합화는 order를 선택함.



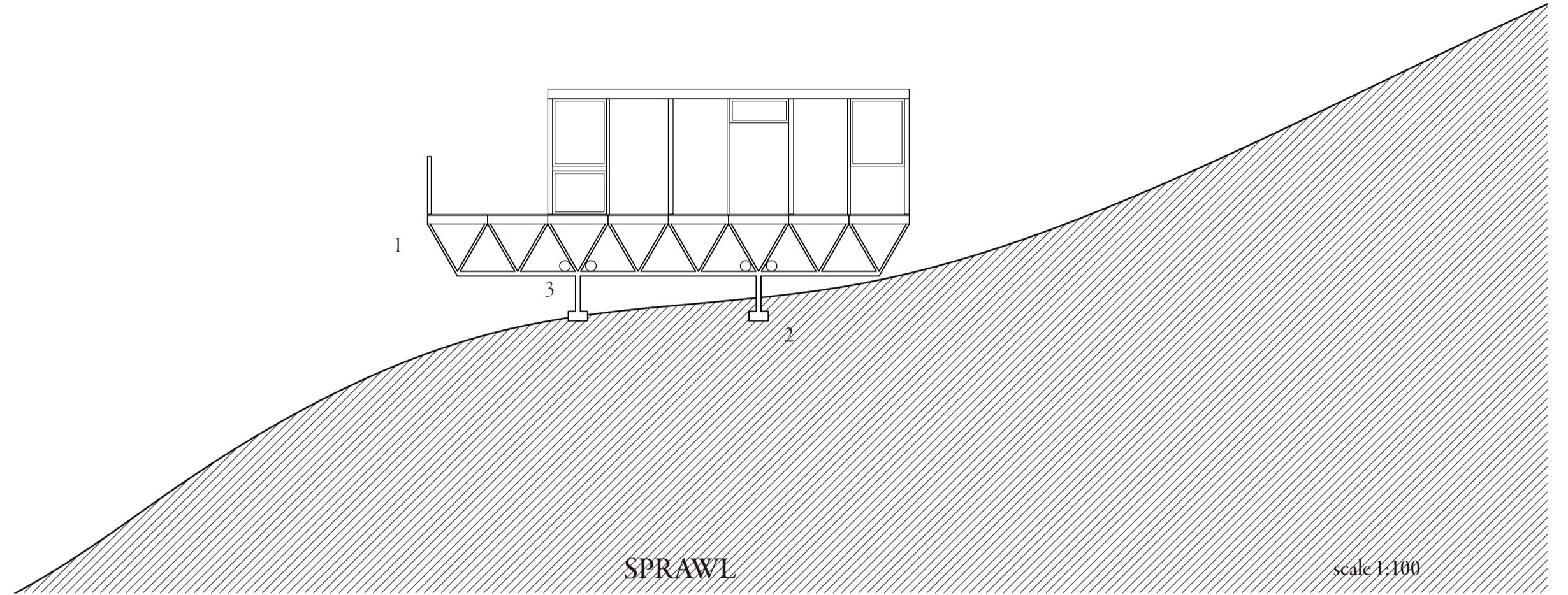
여기서 '복합 풋워크'의 전 예는 scale +이다.

작으로 관통하면 경계를 찾는것이 불편함.

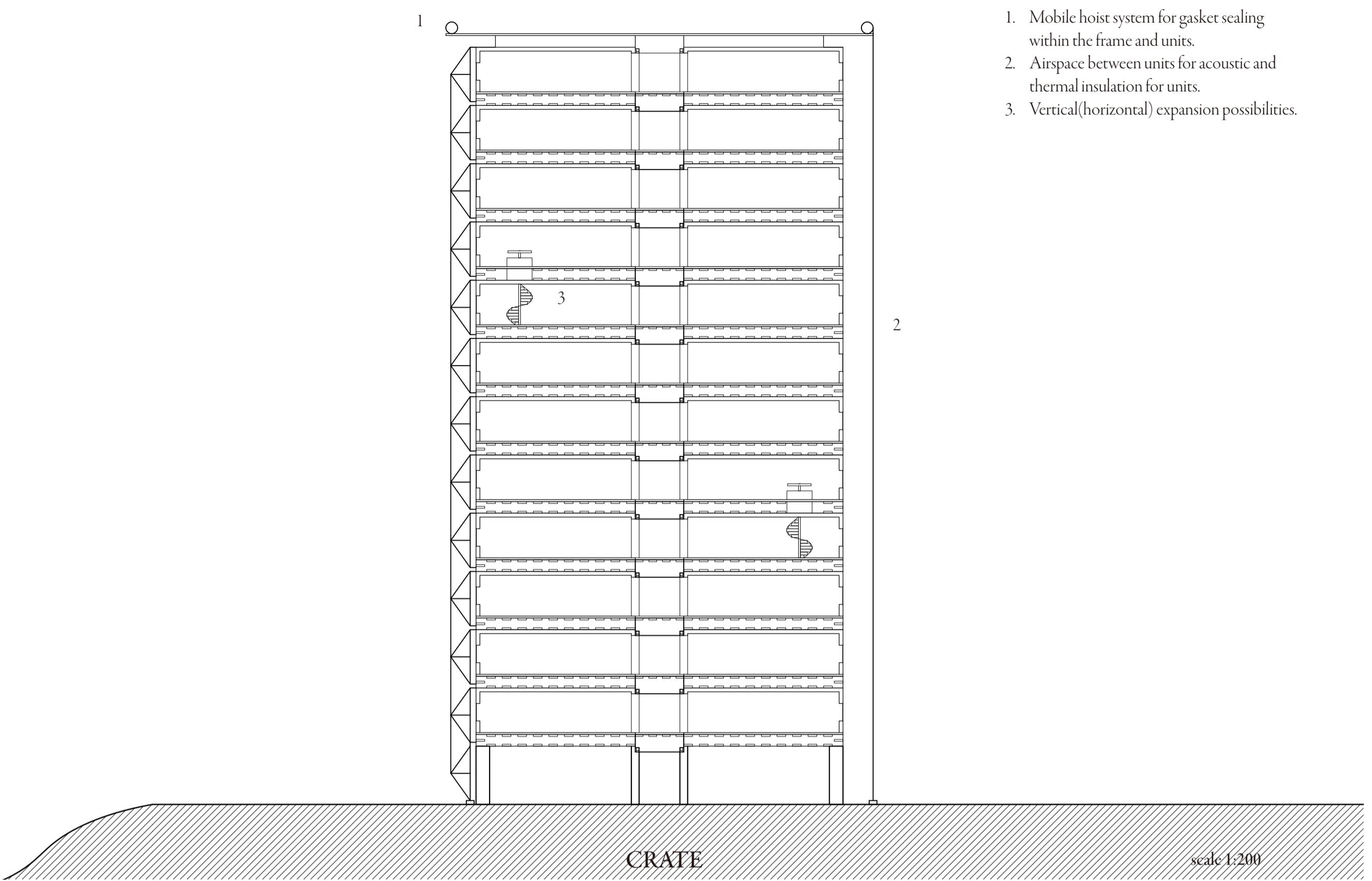
↓ 풋워크



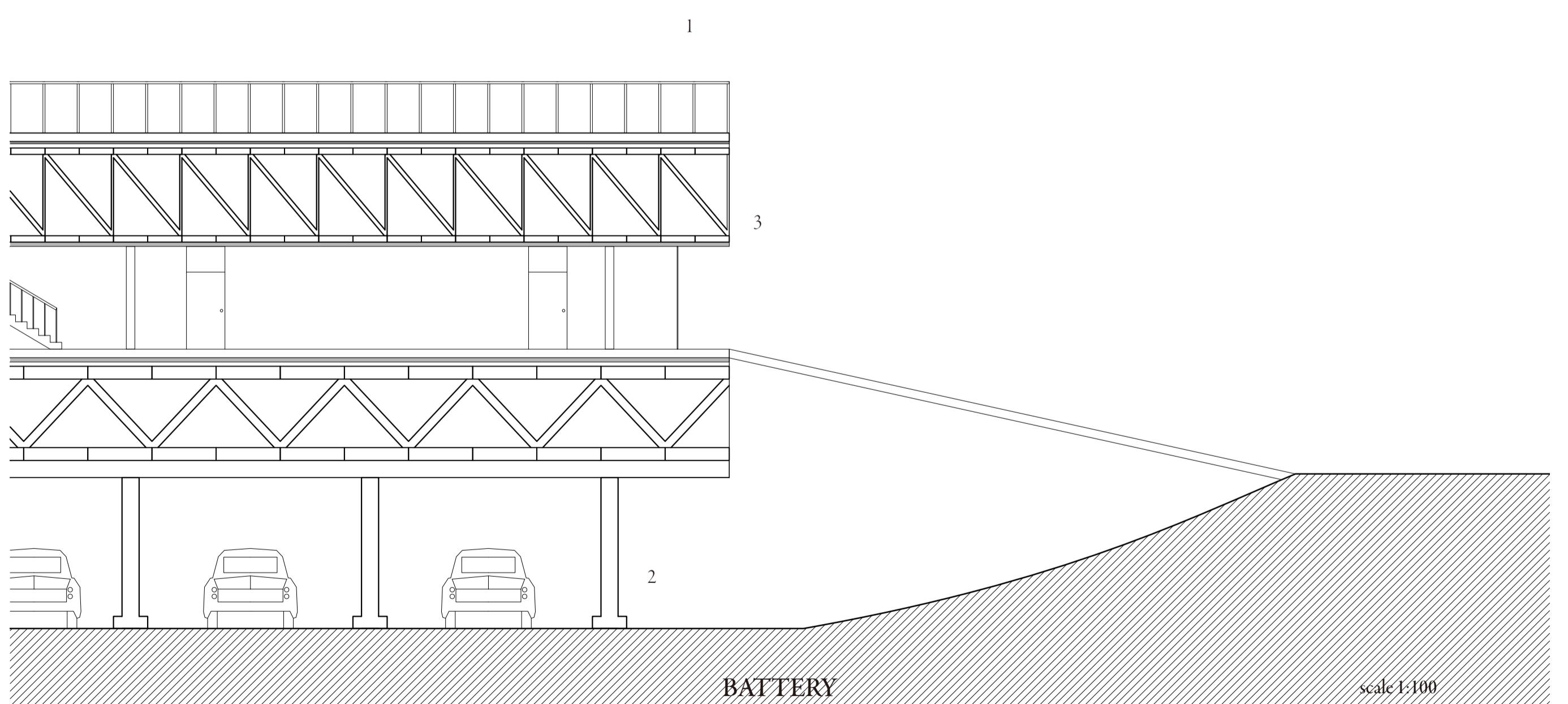
1. Truss structure for versatile site adaptation.  
Additive system with timber-framed prefabricated units.
2. 'Tray' support allow to sit on uneven, waterlogged or subsidence-prone ground.
3. 'Packaged' system for heating power and sewage purification units.



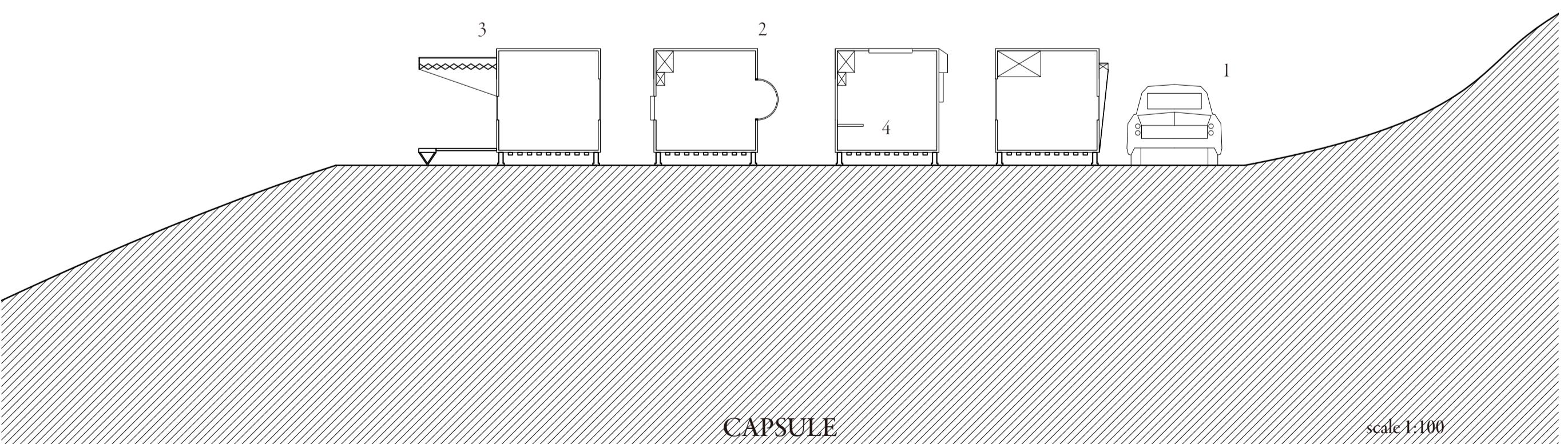
1. Mobile hoist system for gasket sealing within the frame and units.
2. Airspacc between units for acoustic and thermal insulation for units.
3. Vertical(horizontal) expansion possibilities.



1. Roof promenade.
2. Underneath parking.
3. Services
  - A. space grid
  - B. sound isolation
  - C. floor decking
  - D. stairs for road and parking
  - E. living units
  - F. thermal insulation
  - G. weather seal

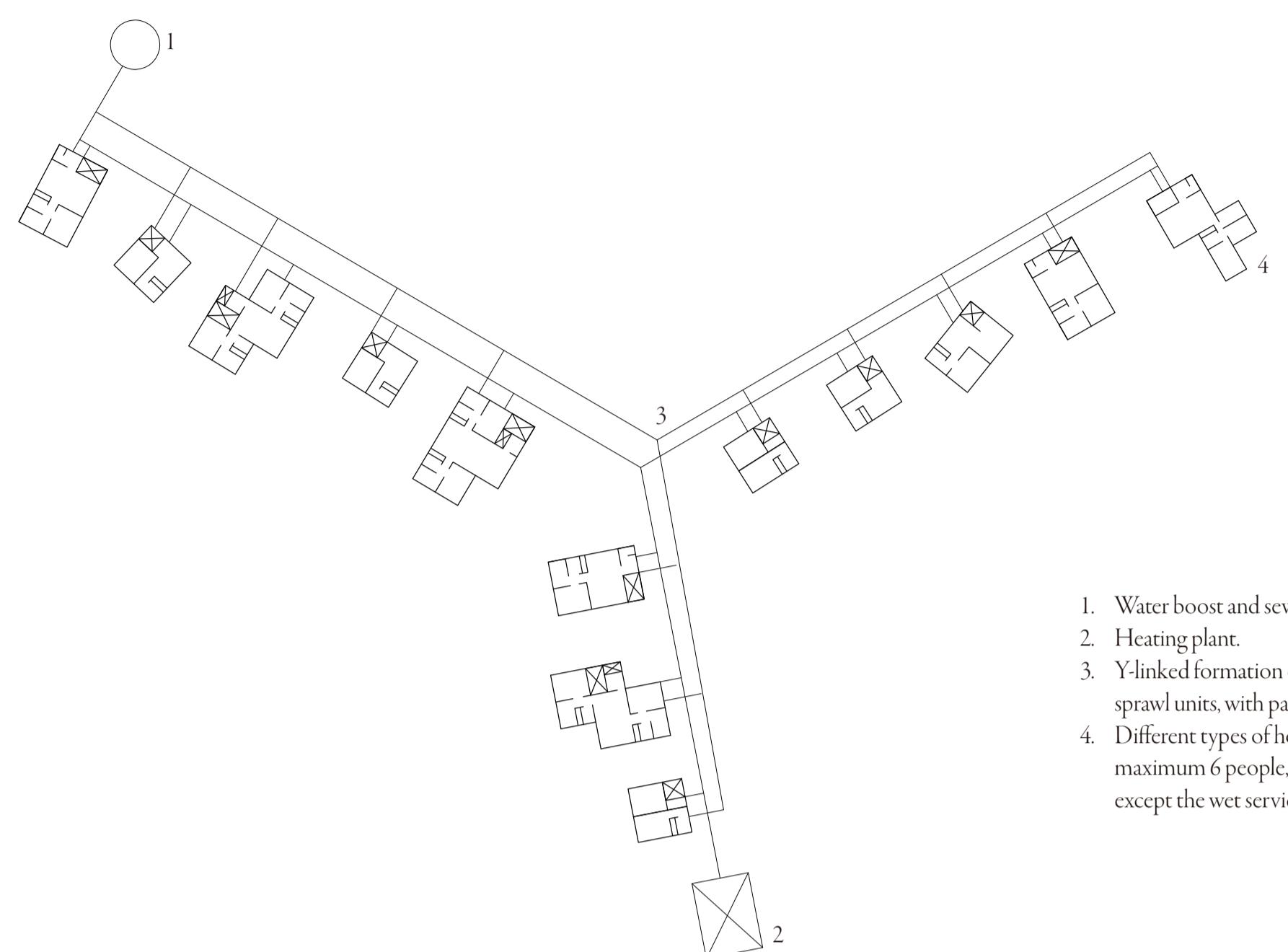


1. Modular single-person targeted units with mobility.
2. Metal frame with fiberglass infill.
3. Expansion of deck spaces using canopy.
4. Adjustable storage, fold-out seats, AC etc.



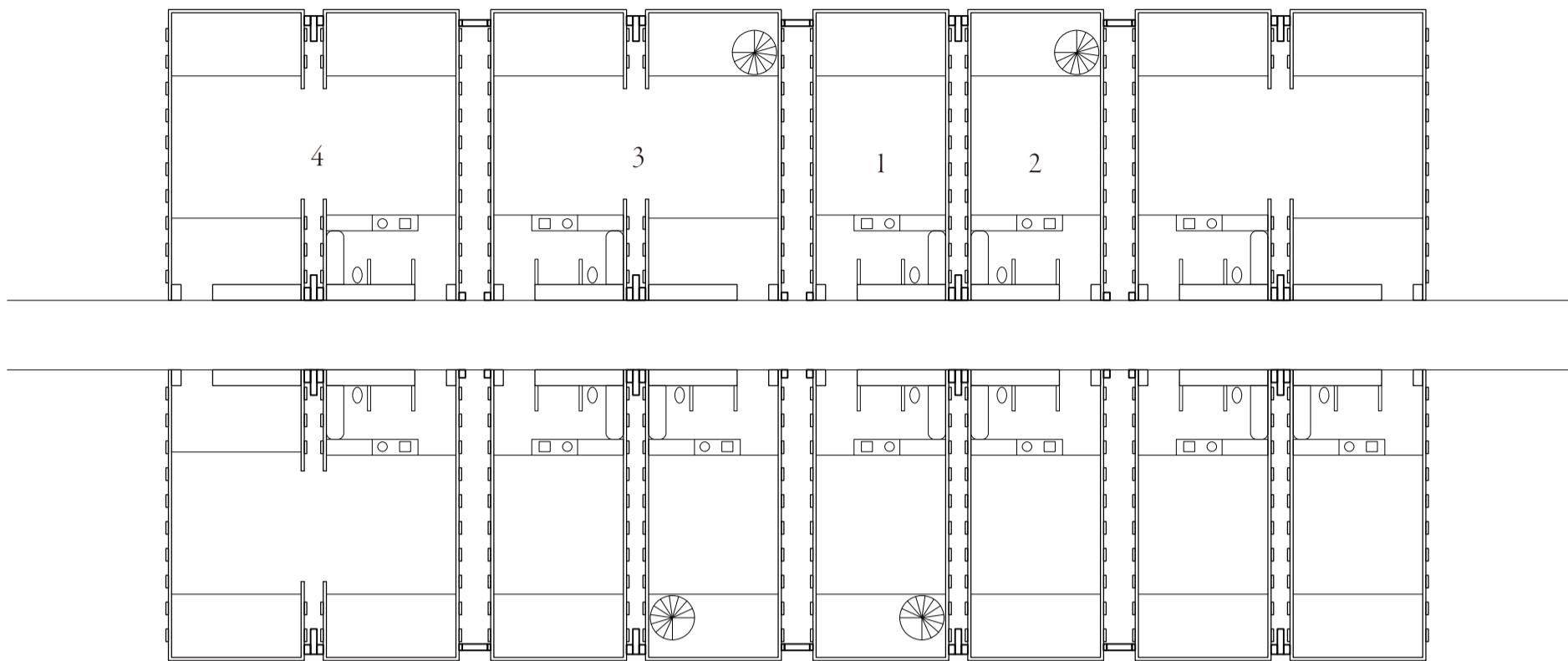
## Sections of Housing Types

*From Potteries Thinkbelt by Cedric Price, 1966*



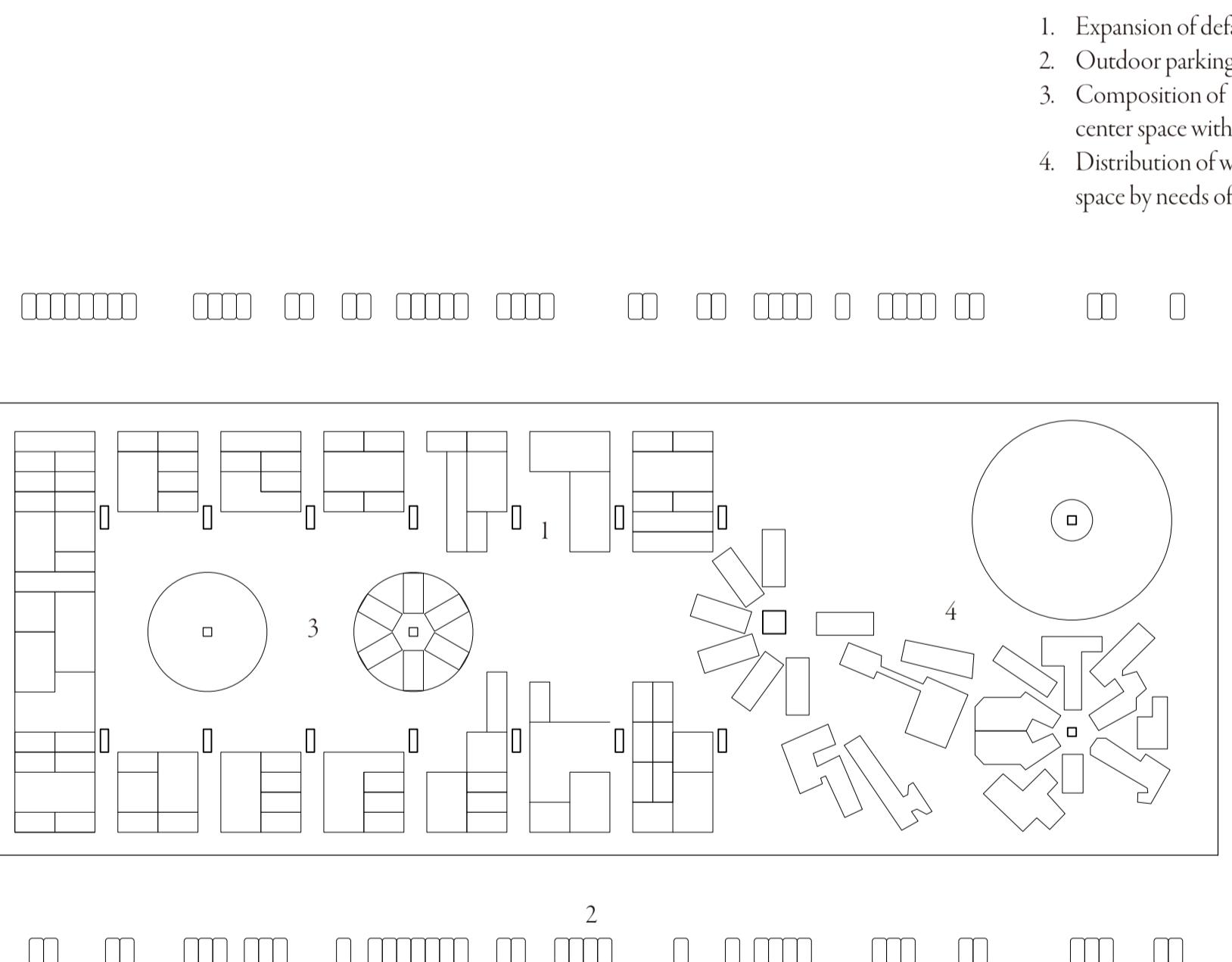
SPRAWL

scale 1:500



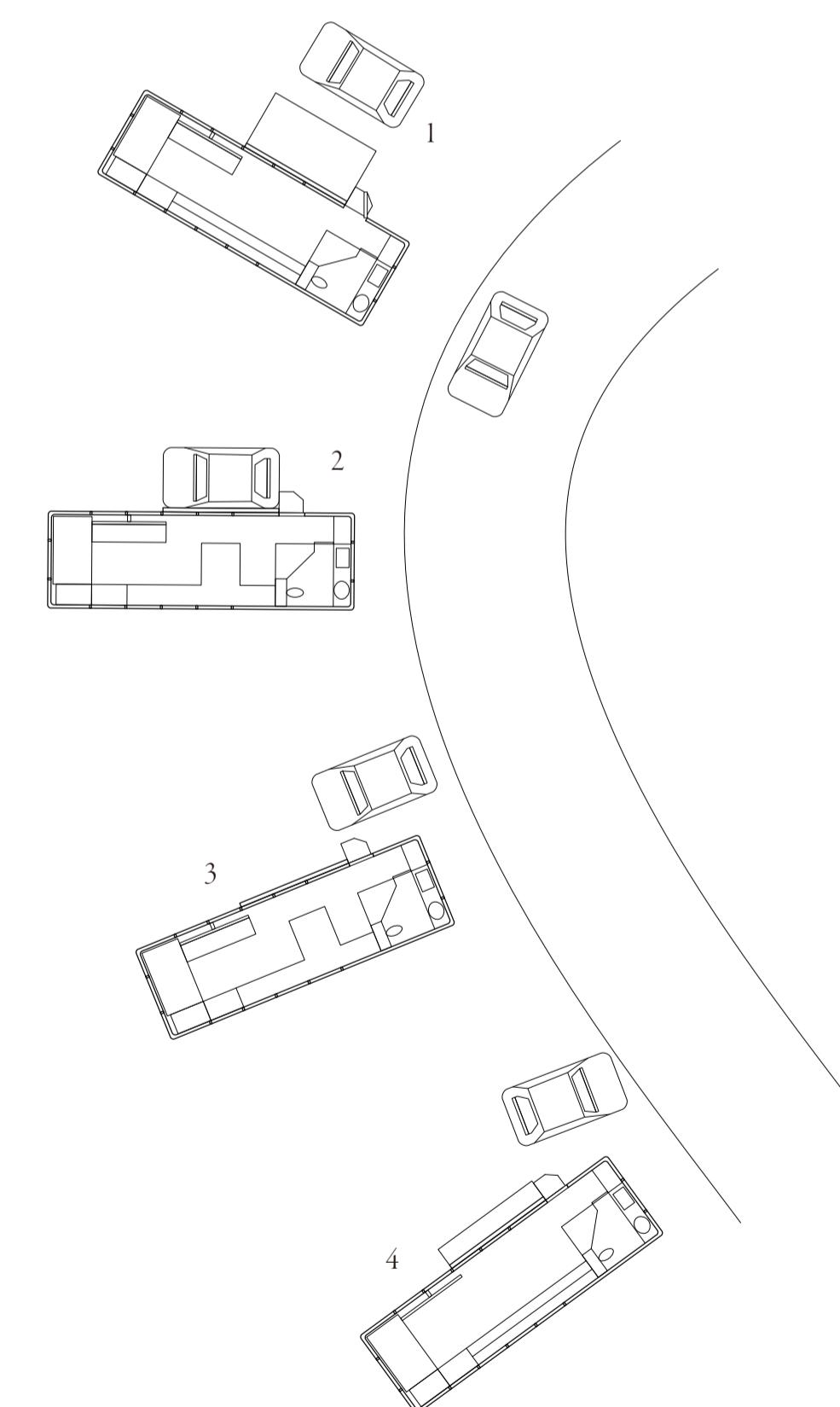
CRATE

scale 1:200



BATTERY

scale 1:1000

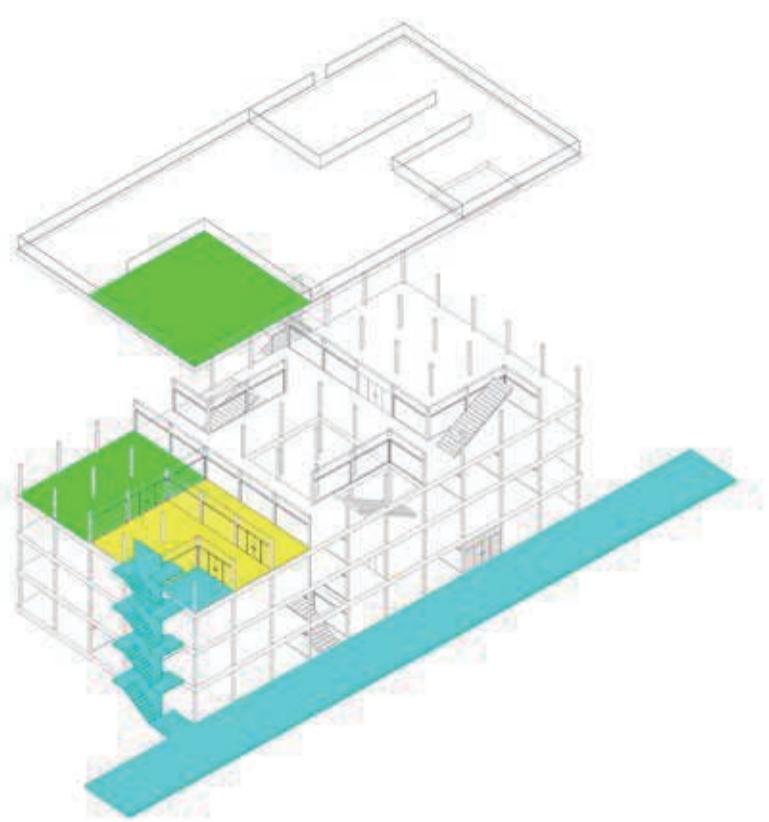


CAPSULE

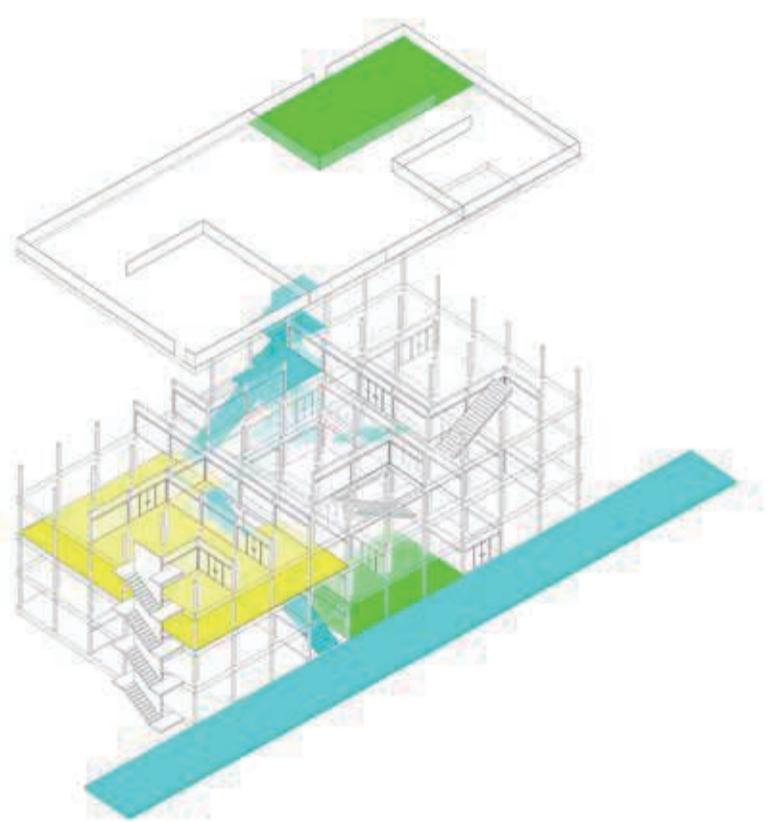
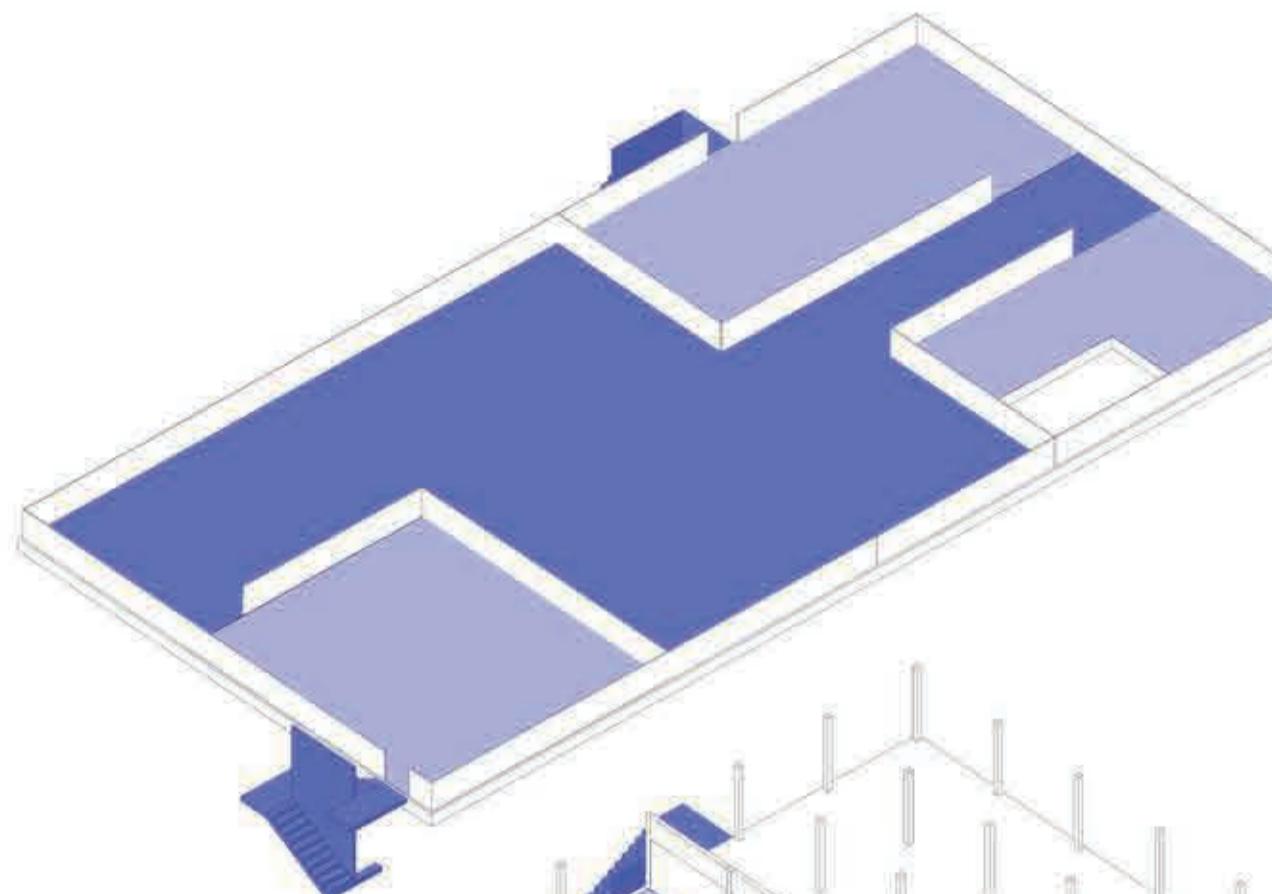
scale 1:200

## Plans of Housing Types

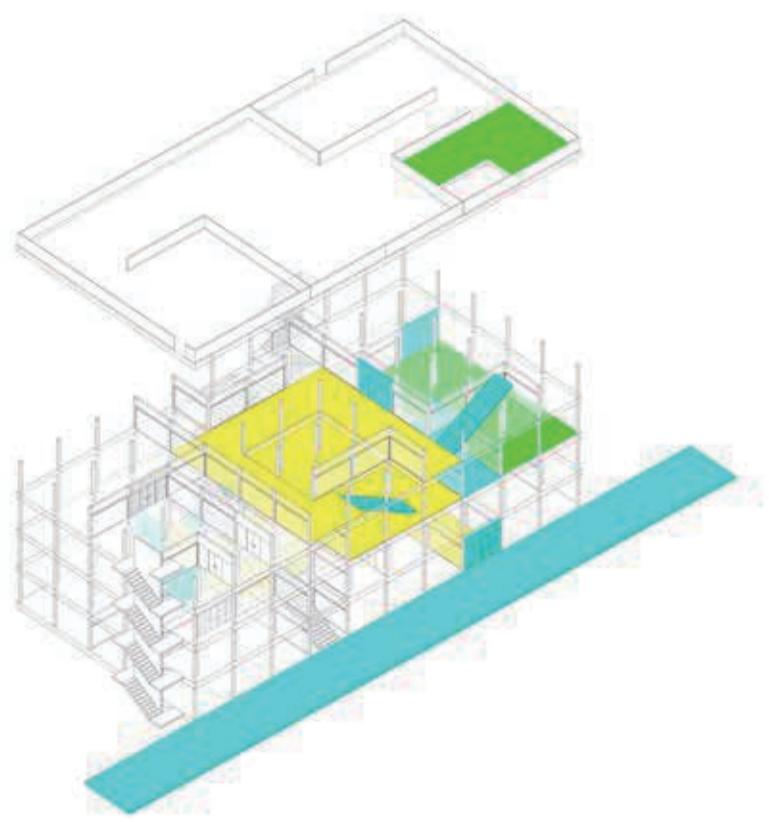
*From Potteries Thinkbelt by Cedric Price, 1966*



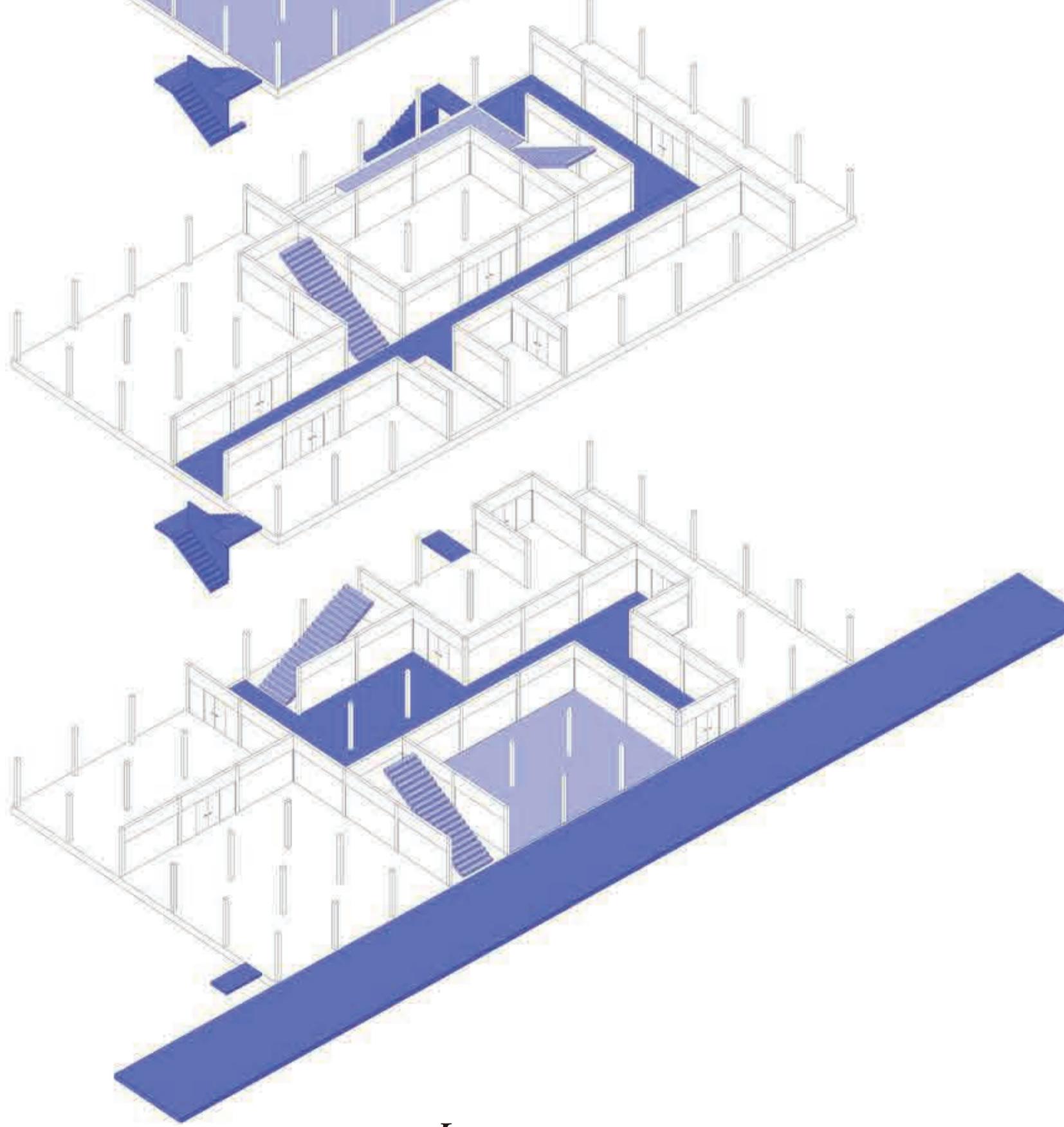
Ritual 1



Ritual 2



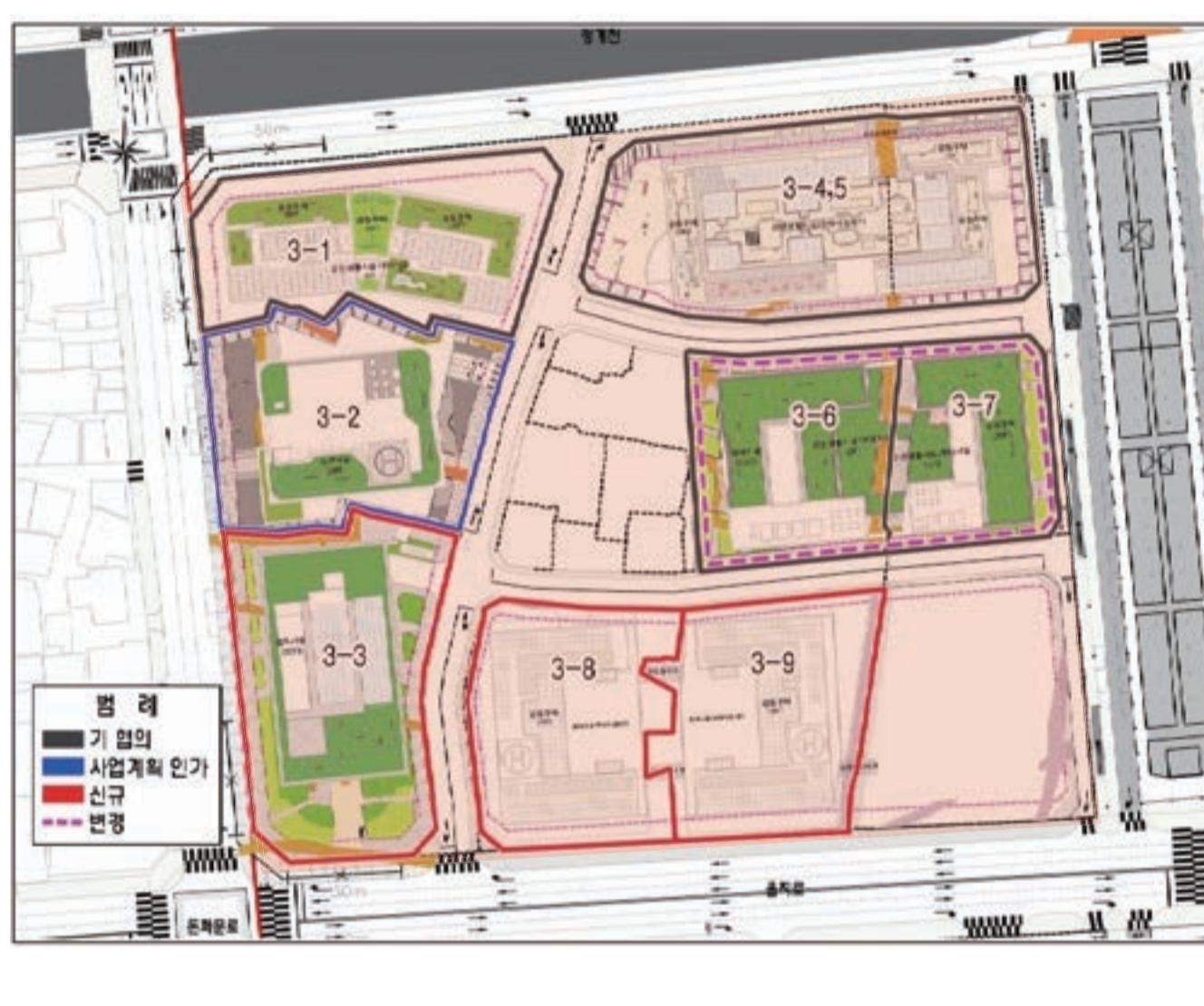
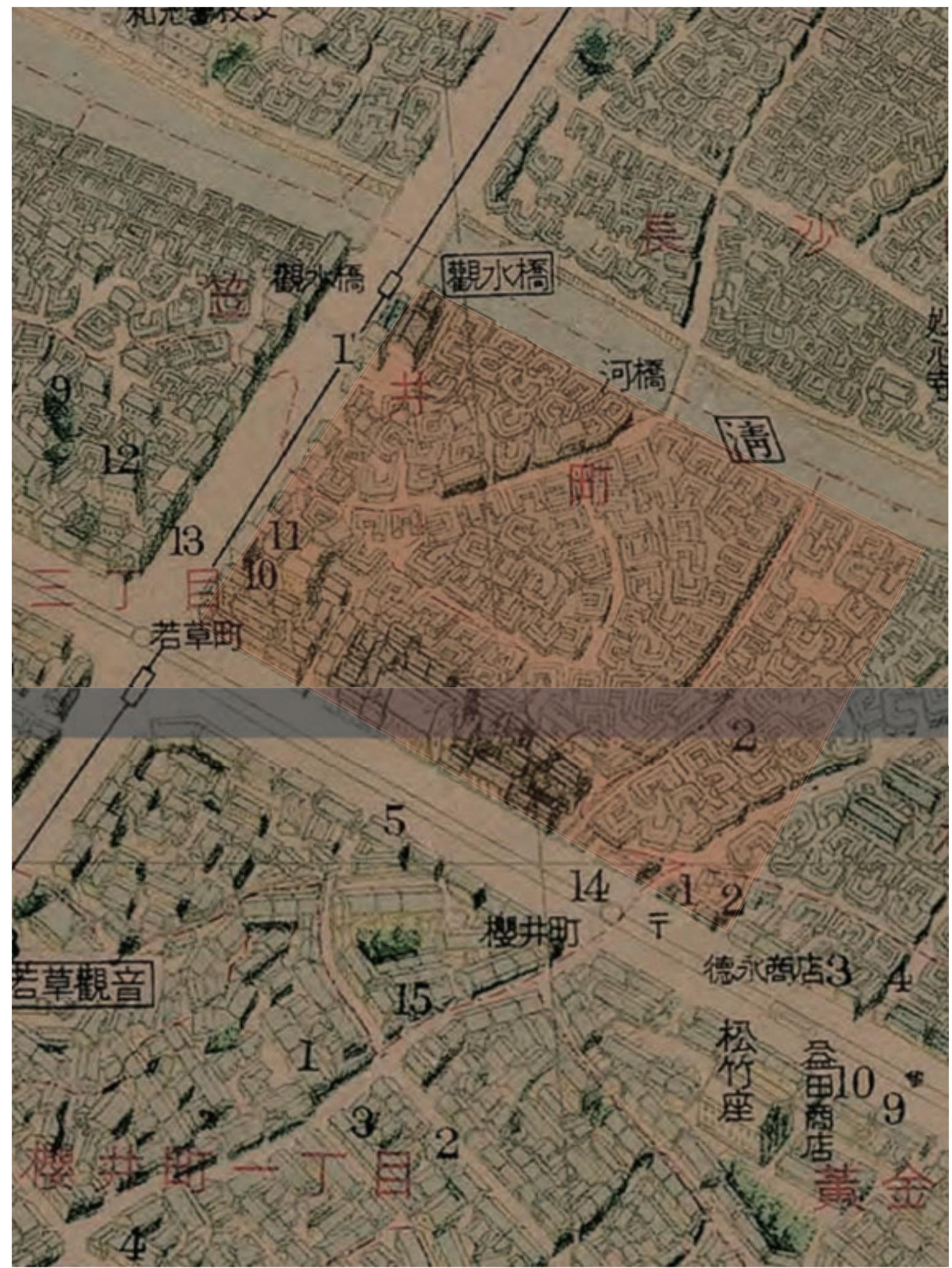
Ritual 3



Loop

*Legend*

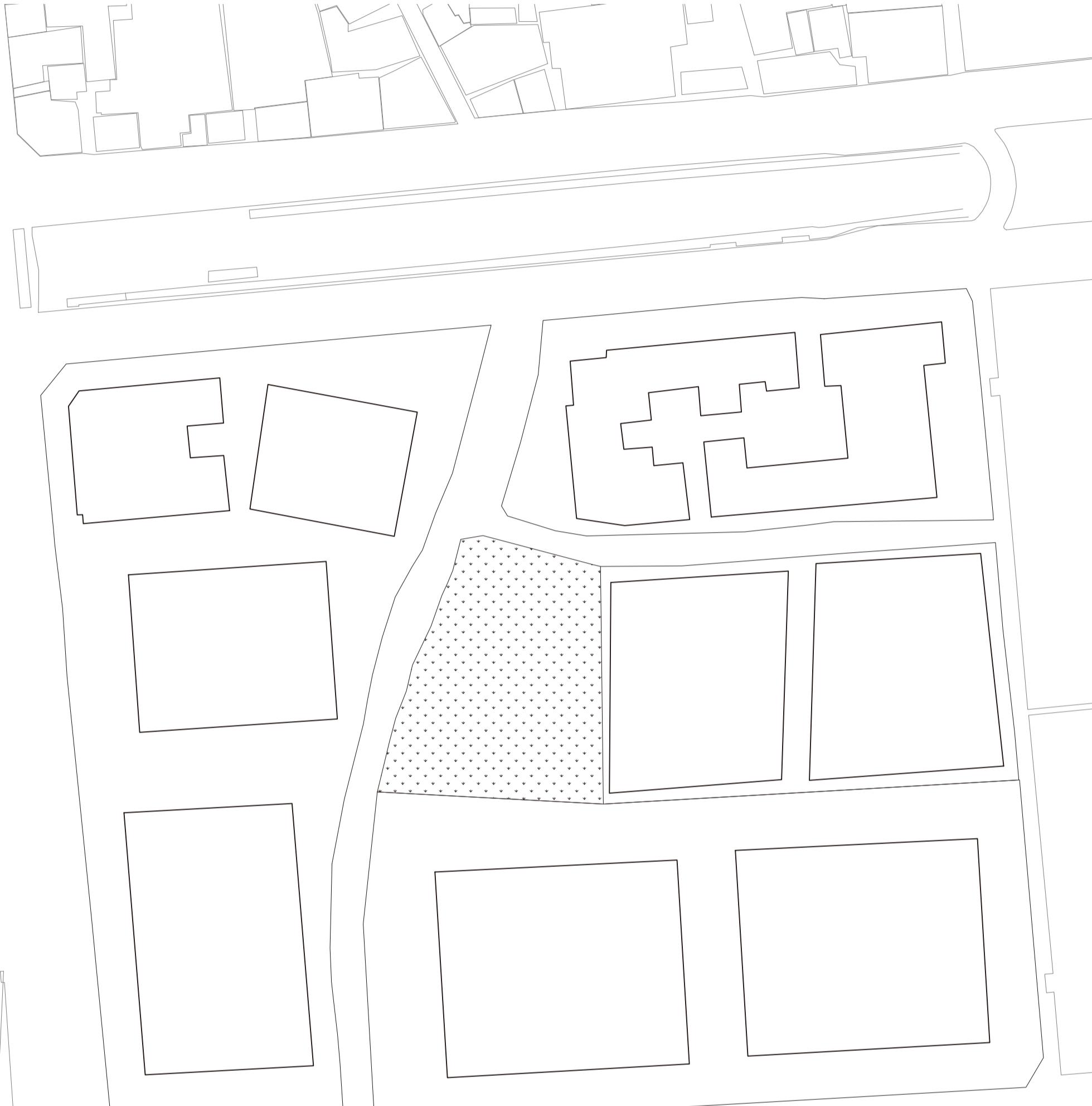
- Thresholds
- Space of Favour
- Anchor
- Individual Rituals
- Circulation



█ W.Y.Son's Place  
 Demolition Scheduled  
 Demolition Completed  
 Currently Working  
 Ongoing Construction



*Current*



*Planned*

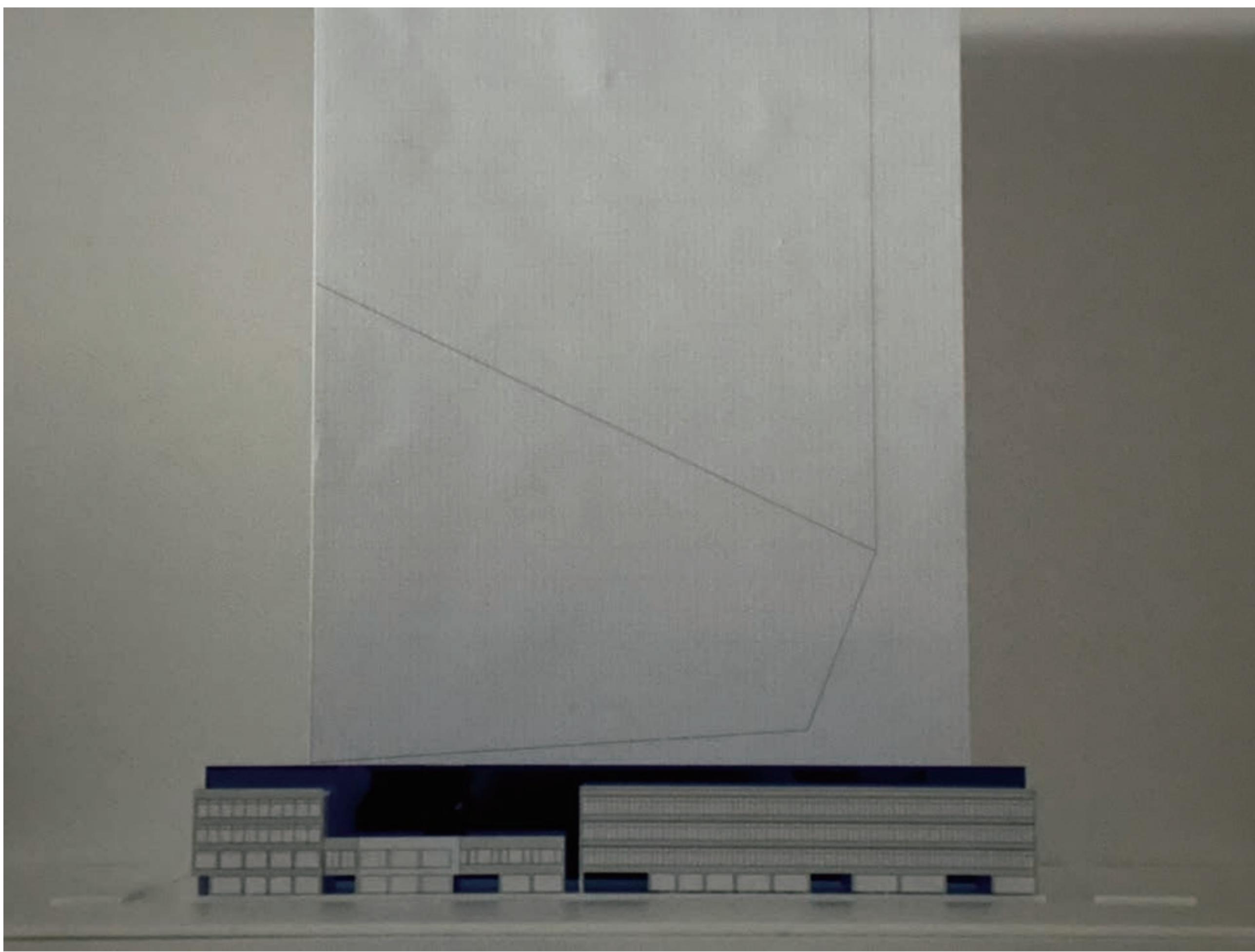


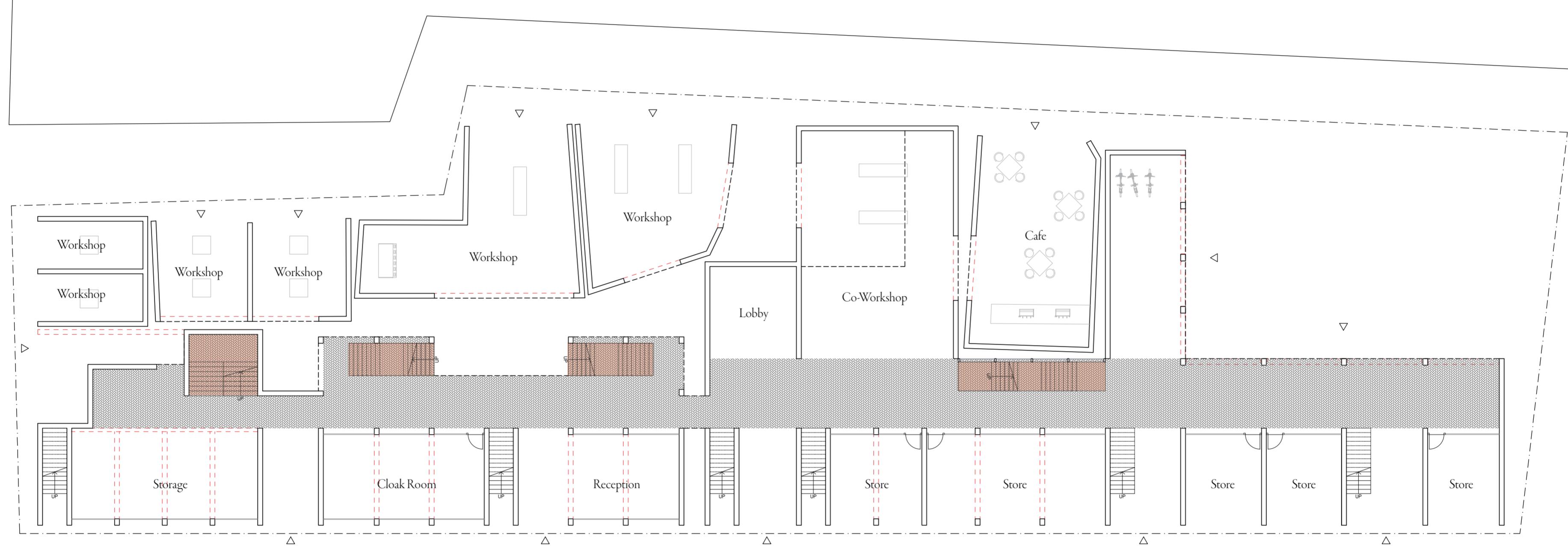
*Proposal*

***Site Proposal***

N

scale 1:1000 @ A1





Threshold



Modified

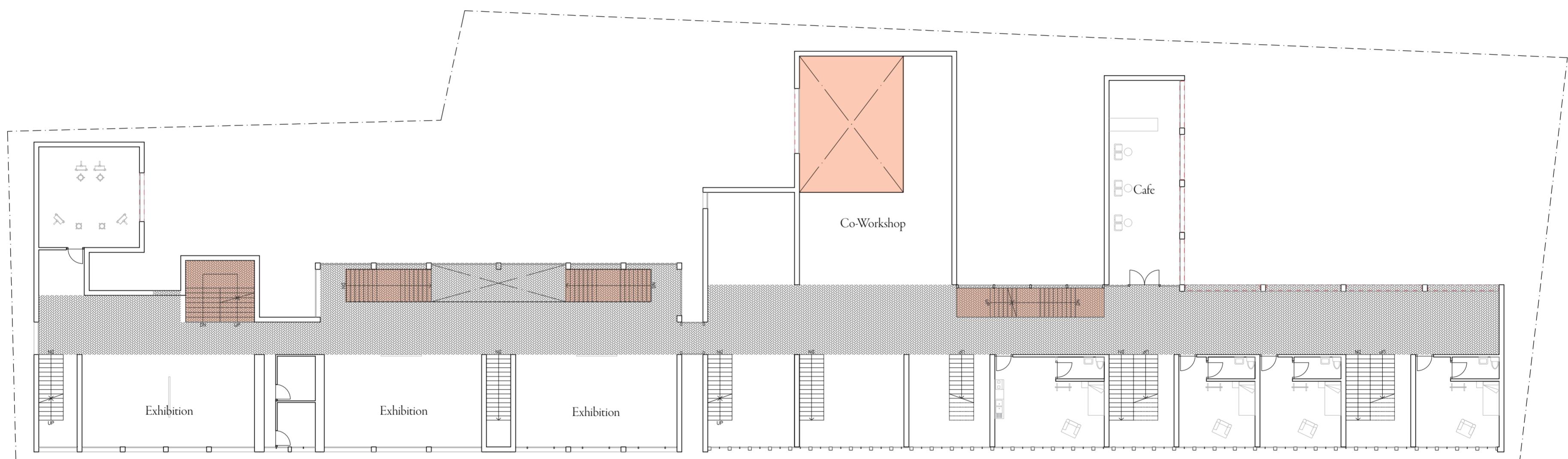


Proposed

N

scale 1:200 @ A2

*G.L. PLAN*



Threshold

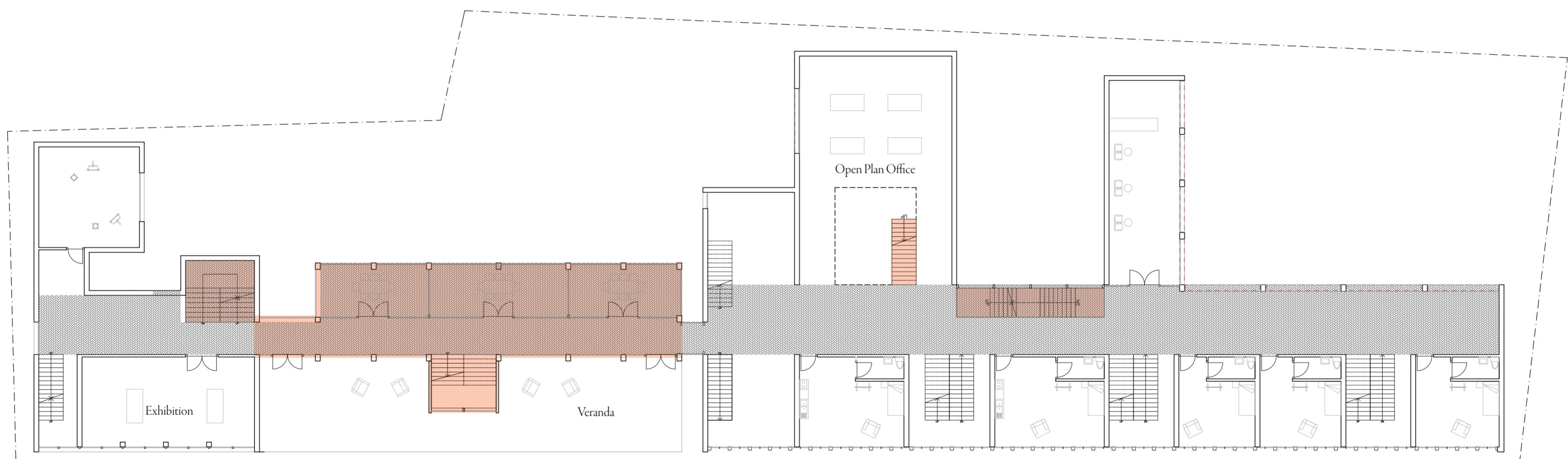
Modified

Proposed

N

scale 1:200 @ A2

**2F PLAN**



Threshold



Modified

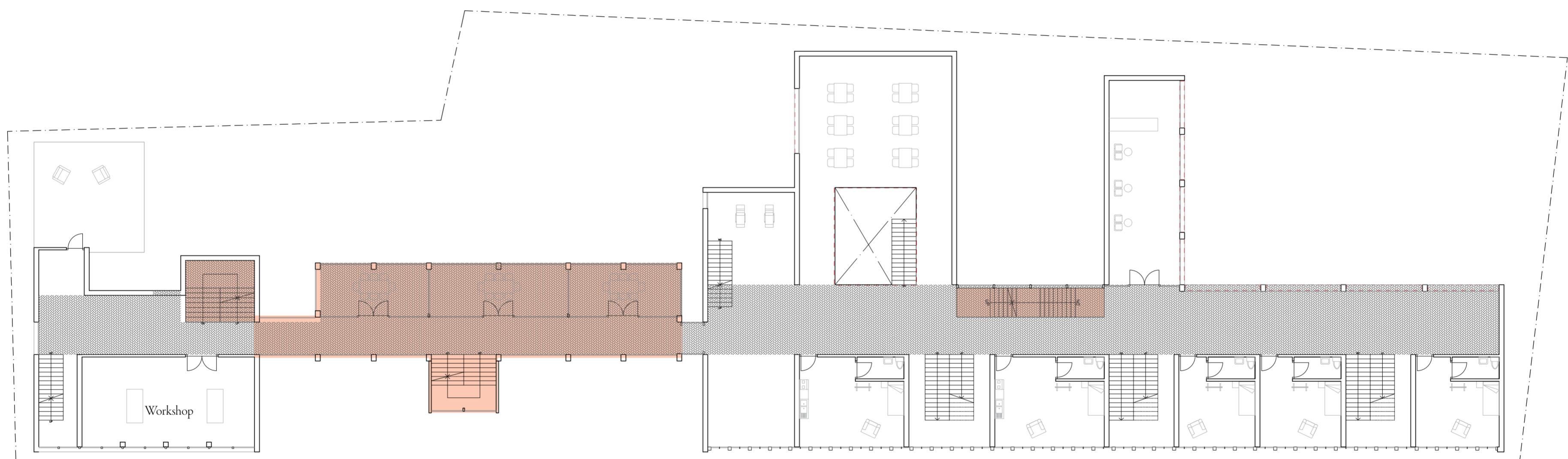


Proposed

N

scale 1:200 @ A2

**3F PLAN**



Threshold



Modified

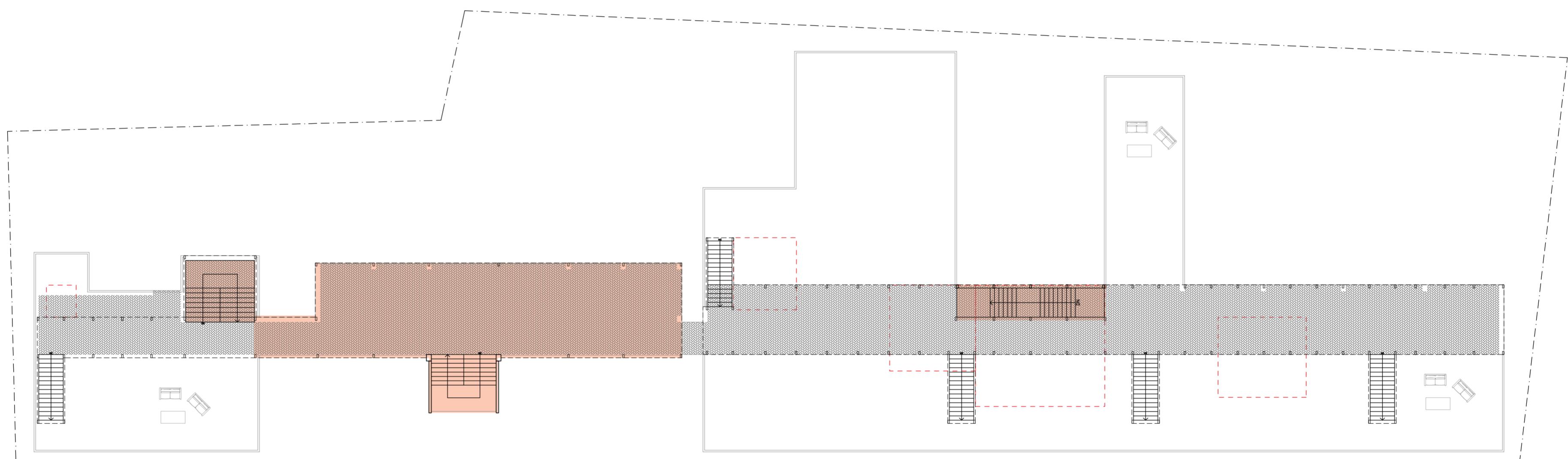


Proposed

N  
↑

scale 1:200 @ A2

**4F PLAN**



Threshold



Modified



Proposed

N

scale 1:200 @ A2

*RF PLAN*

