



MEMORY LAB

Archives Museum of Personal Memory

Personal memories are undeveloped negatives, waiting to be revealed.

Born in the steel jungle of Canary Wharf, Memory Lab is a vibrant archive and memory incubator that facilitates the interplay between personal and collective narratives.

The project integrates exhibition, storage, and artist workshops through artist collection and public donations, generating archival content on a continuous basis, combined with a logistical structure at the centre of the space that allows memories to be manifested, shared, and renewed.

The space is a flexible, evolving organic system that serves as both an exhibition container and a memory generator.

Ruiyang Teng

CONTENTS

I

Contexts

II

The cores

III

Design Strategy

IV

Proposal

V

Visualisation

I



CONTEXTS



TRACES

OF CANARY WHARF'S HISTORY



- SITE
- HISTORIC LANDS
- OFFICE BUILDINGS
- CANARY WHARF
- RIVER THAMES
- GREENFIELD



①

②

DE-HISTORICISING CANARY WHARF

This de-historicisation has made Canary Wharf a “memory vacuum” and made it difficult for those who work and live here to develop a deep sense of cultural belonging.

Whether it is possible to reshape the cultural identity of the site and how to tap into the memory is my concern.

① Docklands Museum:

The only space that directly displays the history of the docks, but is less interactive with the everyday community.

② Crossrail Roof Garden:

Inspired by the historical context of Canary Wharf, but weakly connected to the community.

FROM THE ABSENCE OF MEMORY



● 1802-1980s

The Forgotten Past:

Industrial trade

● 1980s to present

Now:

Financial office

Highly mobile work communities with a weak sense of identity, where individual and collective memories are difficult to sink in.

Wharf
life



Proportion Of Population



- Office population
- Resident population

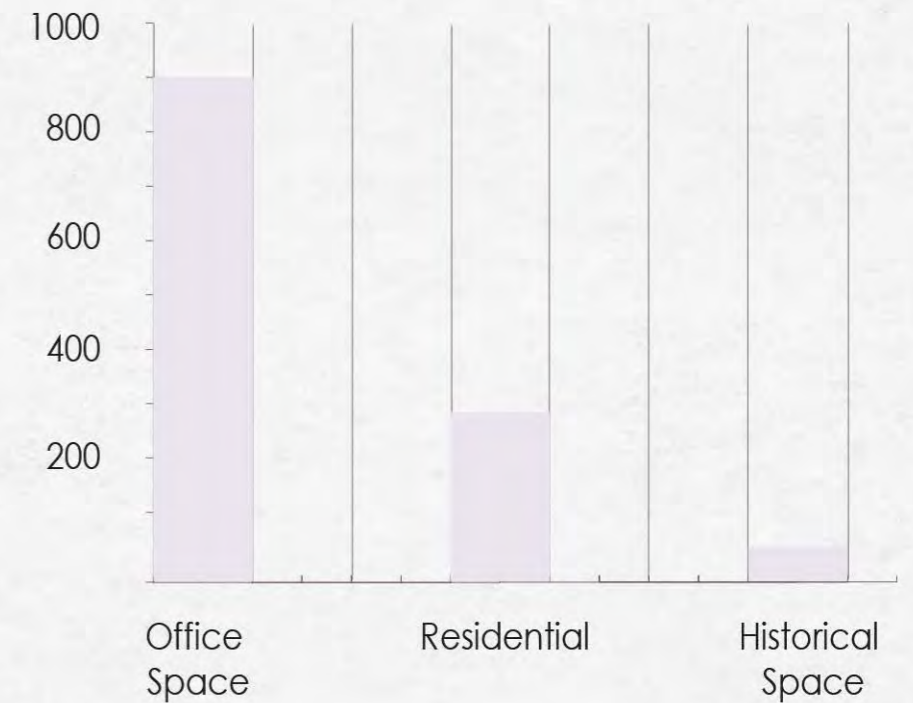
Space Type



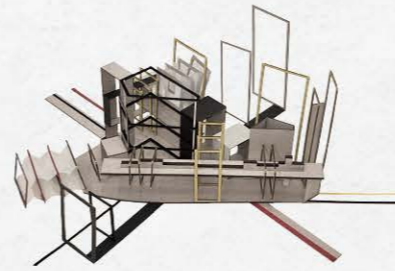
- Office
- Shopping & Leisure
- Culture & Entertainment

Building Coverage

10,000 square feet



II

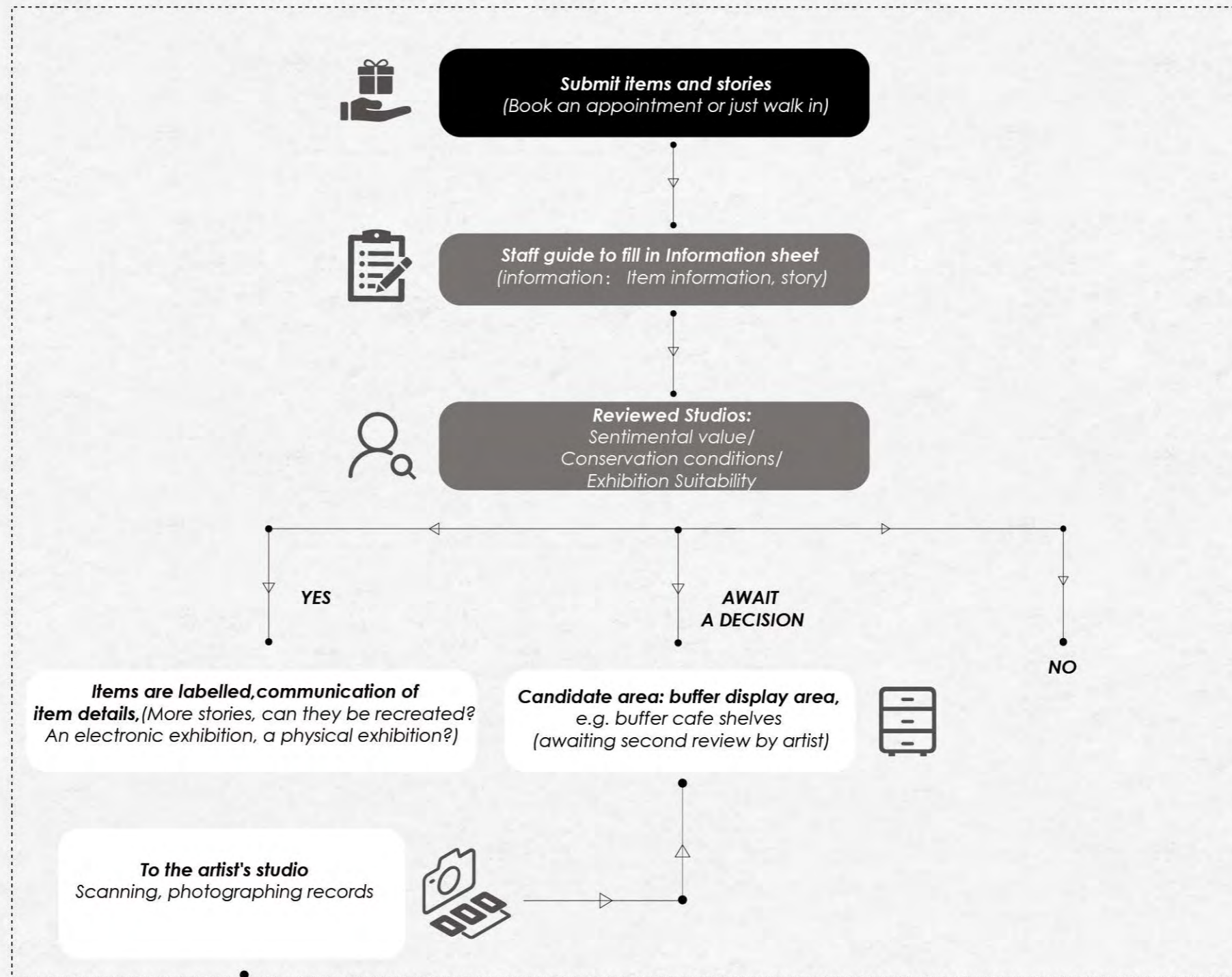


THE CORES

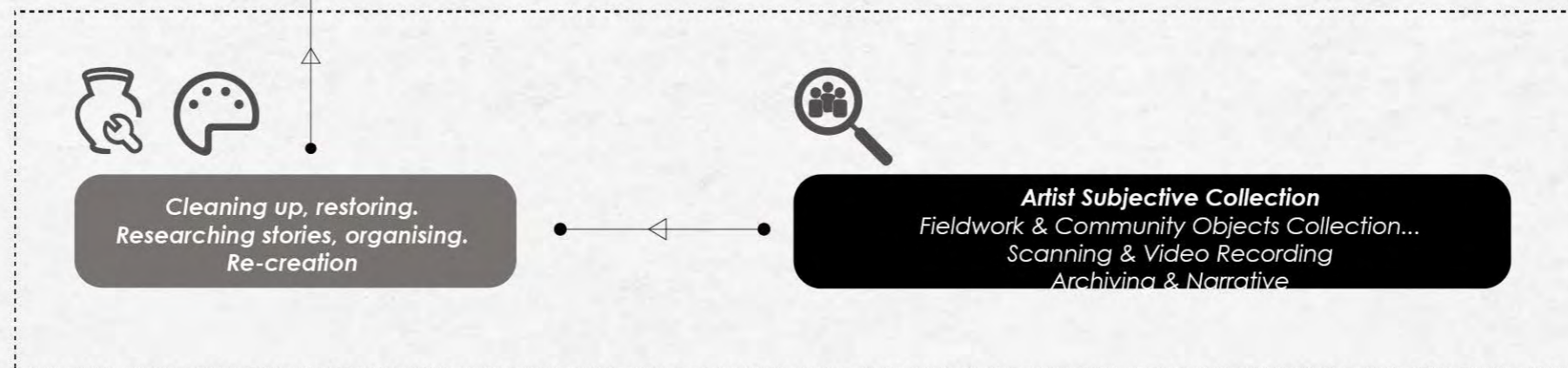
Structure × Participation

SPACE OPERATIONS PROCESS

DONATION ACCEPTANCE PROCESS



ARTISTS COLLECTING ARCHIVES



COMPRESSION ARTIFACTS

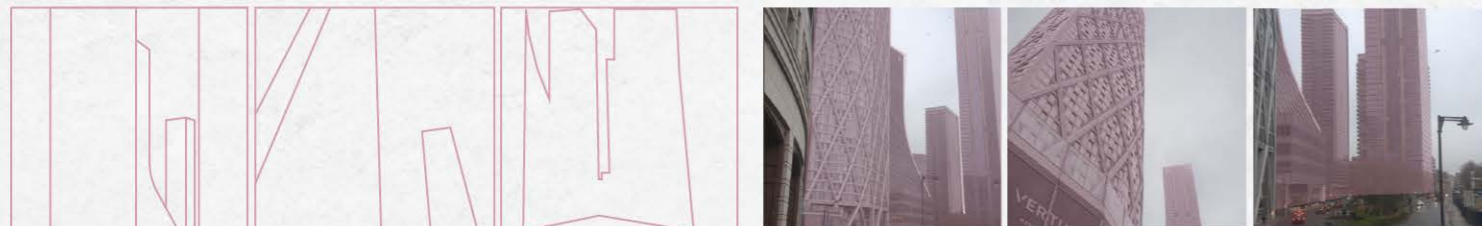
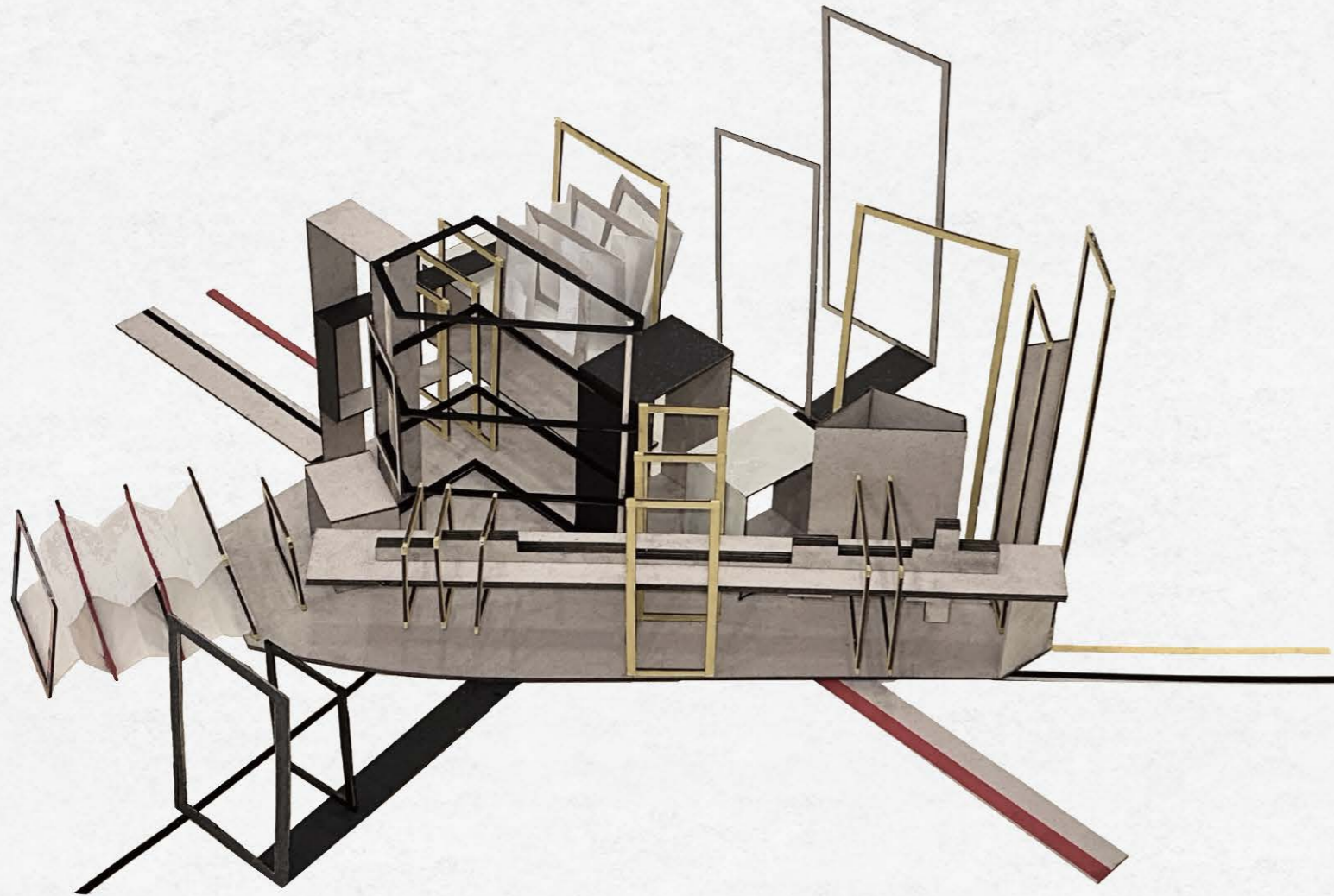
CORES

I simulate the constant perception of spatial fragments as one walks around the core: information is constantly obscured and collaged.

The core, like a 'point of attraction', naturally becomes the central hub of perception.



This got me thinking: Since the human visual experience is always centred around this "core", could this "core" also take on an actual functional role in real space?



- Site
- Route
- Field of view

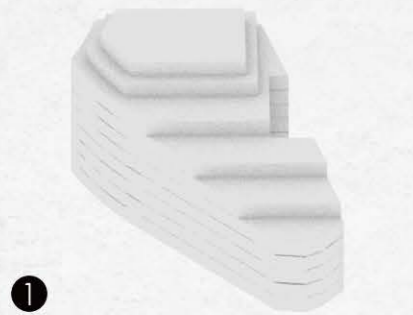
III



DESIGN STRATEGY



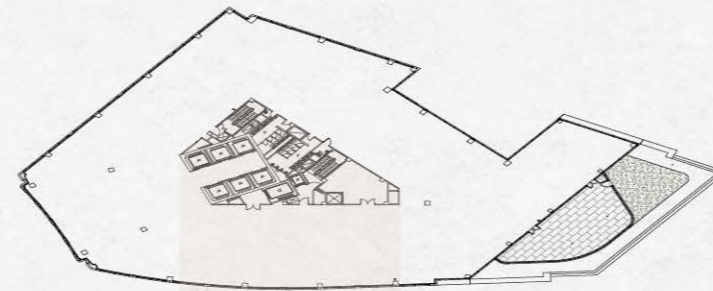
CORE: FUNCTIONAL HUBS



Axonometric view

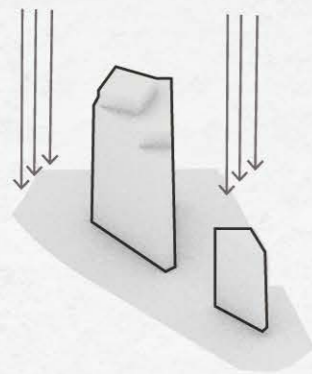


Front view

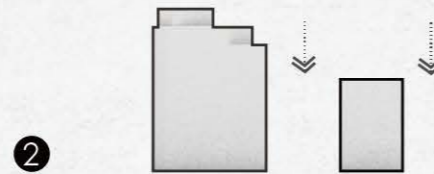


Collection Center

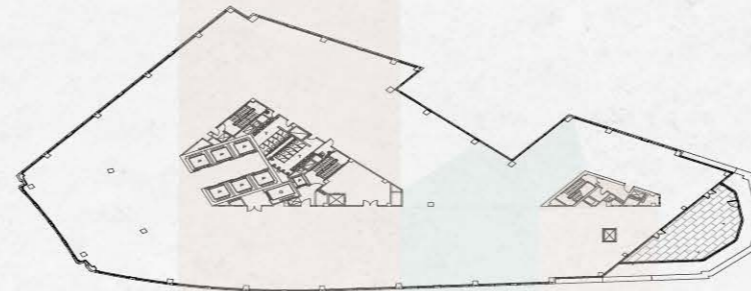
Staff Office + Transport of goods



Original two cores

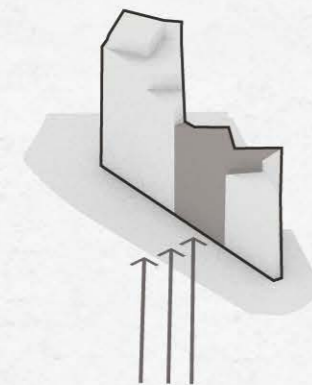


Original two cores



Exchange Platform

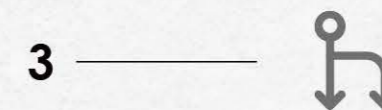
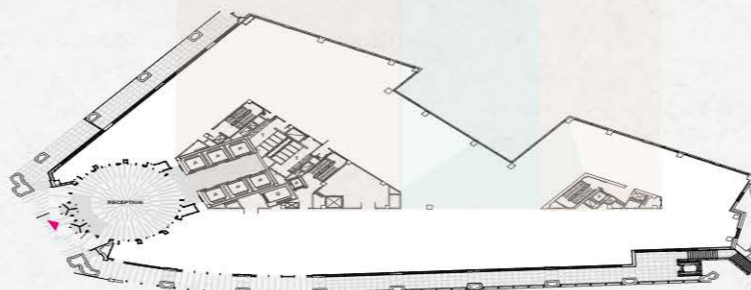
Café Buffer + Donation Area



Elevated, connecting two cores.



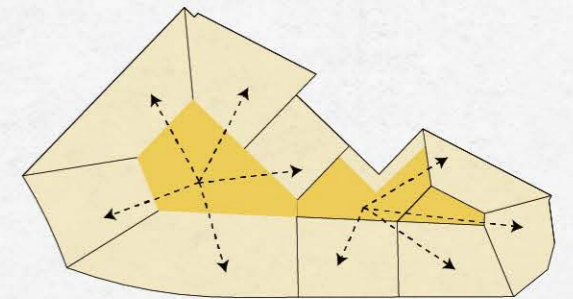
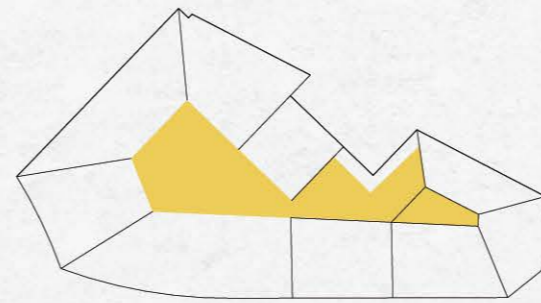
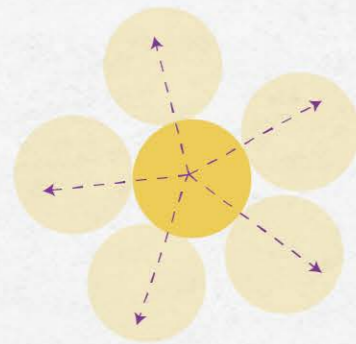
Elevated, connecting two cores.



Dispatch Hub

DISPATCH HUB

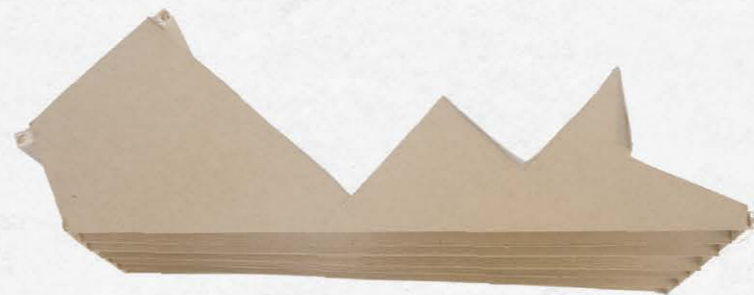
After the initial recording and categorisation in the core area, these memories can be divided and entered into different exhibition spaces.



MODEL



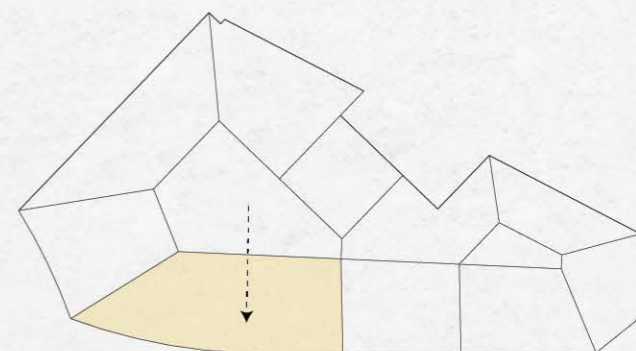
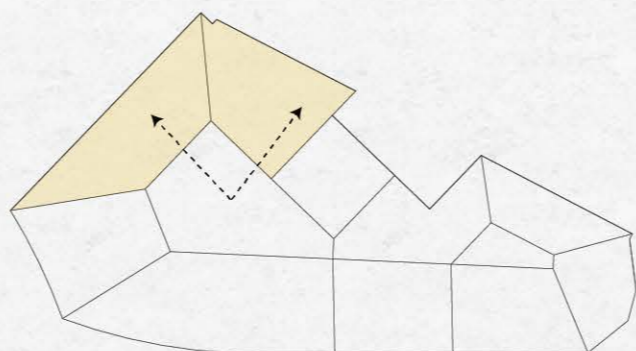
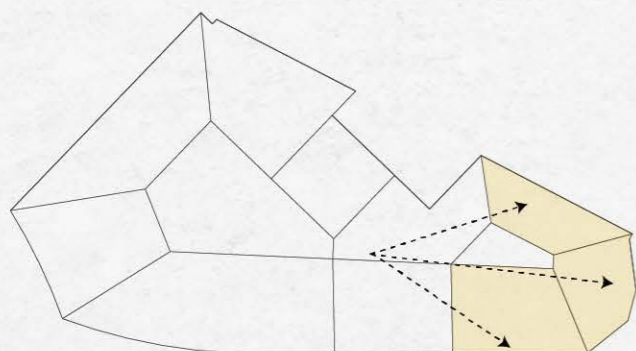
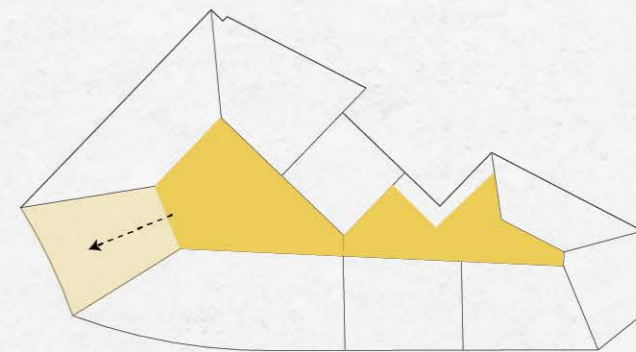
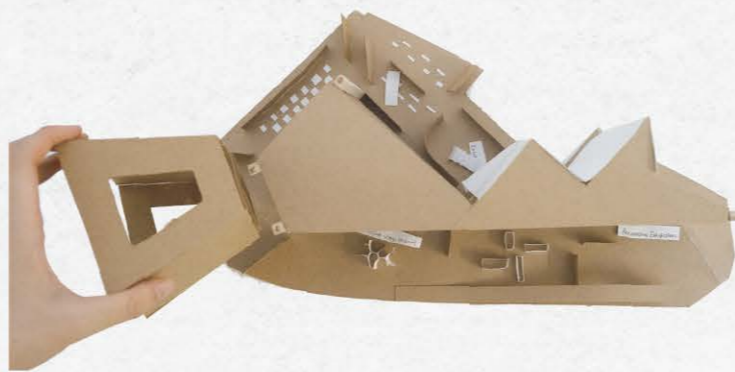
Original Plan



The two cores of connection



Plugin box grown from the core



IV



PROPOSAL

ARCHIVE TYPE



2 SOUND

- Event sound
- Creative Voice
- Personal remark
- Environmental Voices

3 IMAGE

- Digital Traces
- Still images

4 ITEM

- living goods
- Souvenir items
- Digital Goods
- Handicrafts

1 TEXT

- Private writing
- Digital texts

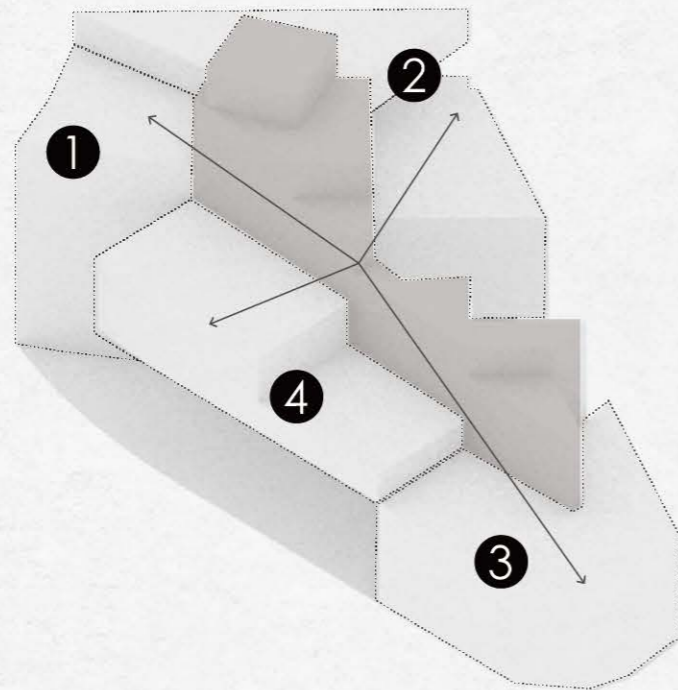
ARCHIVE TYPE



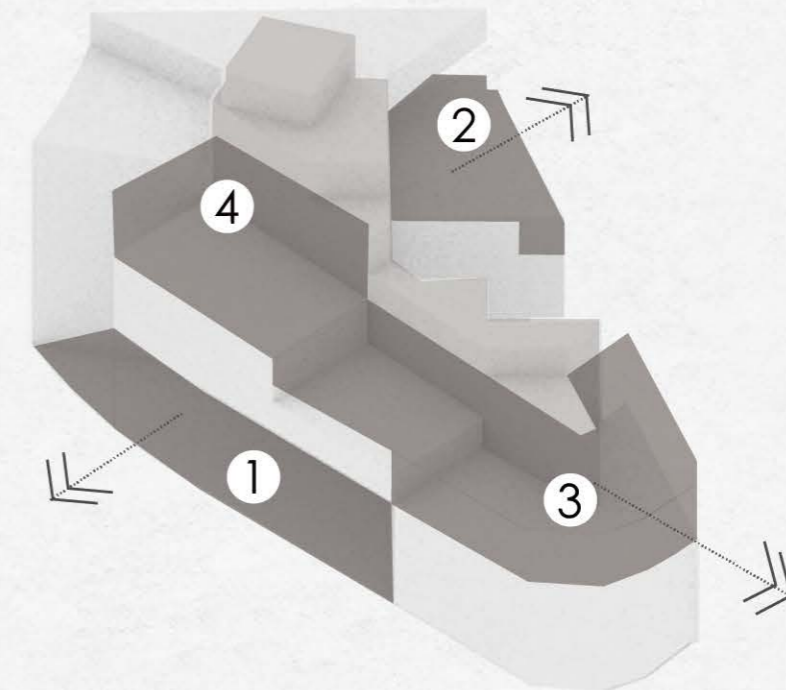
CHARACTERISTICS OF THE SPACE: GROWTH

As the archive continues to expand, the principle of outward growth from the core axis has led to an increase in the number of archival 'boxes'.

More box space can be used as artist studios not open to the public along with archival storage areas, and exhibits in the storage areas can be periodically replaced with exhibits in the exhibition areas.



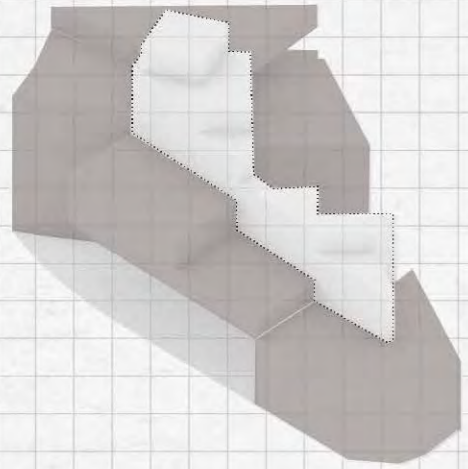
- ① Object archive exhibit
- ② Text archive exhibit
- ③ Sound archive exhibit
- ④ Image archive exhibit



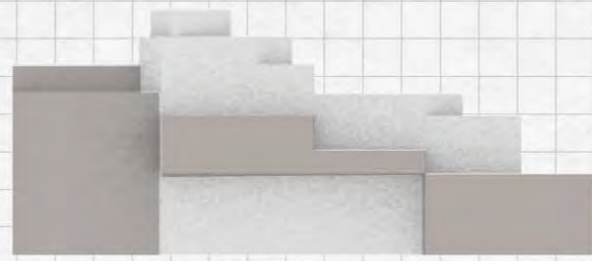
- ① Item studio & storage
- ② Text studio & storage
- ③ Sound studio & storage
- ④ Image studio & storage

MOVEMENT

Axonomic view

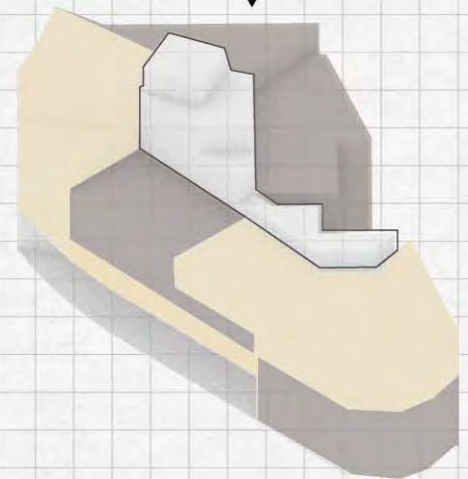
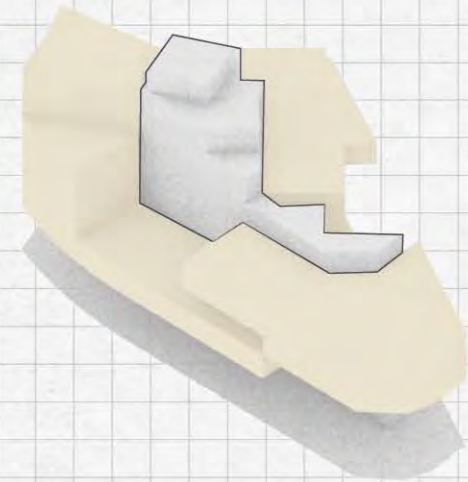


Front view

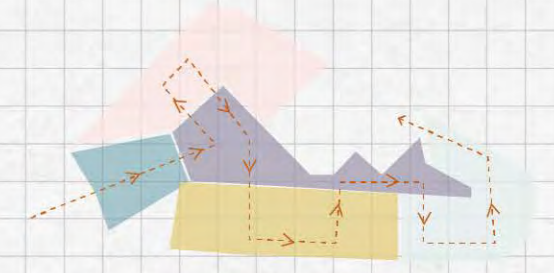
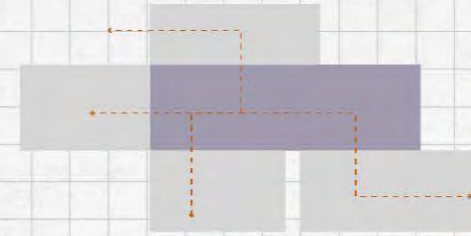


+

+



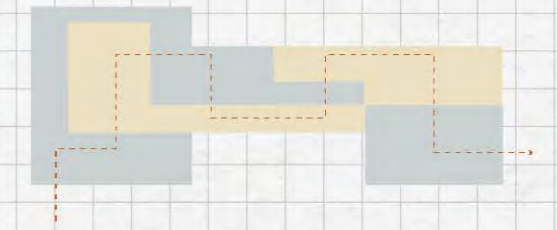
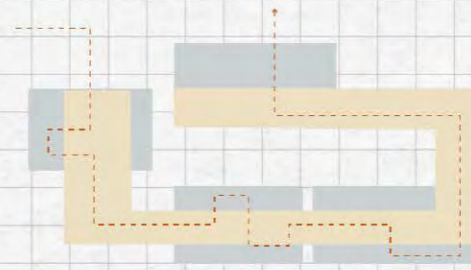
Core & Plugin Archive Box



top view

Visitors can navigate paths in tandem with the core space.

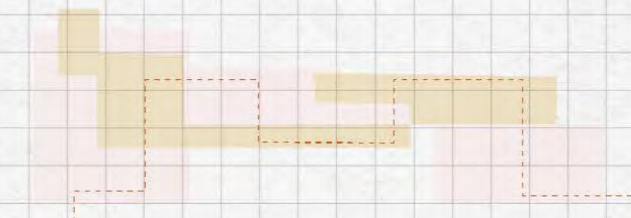
Bridge Space & Plugin Archive Box



top view

front view

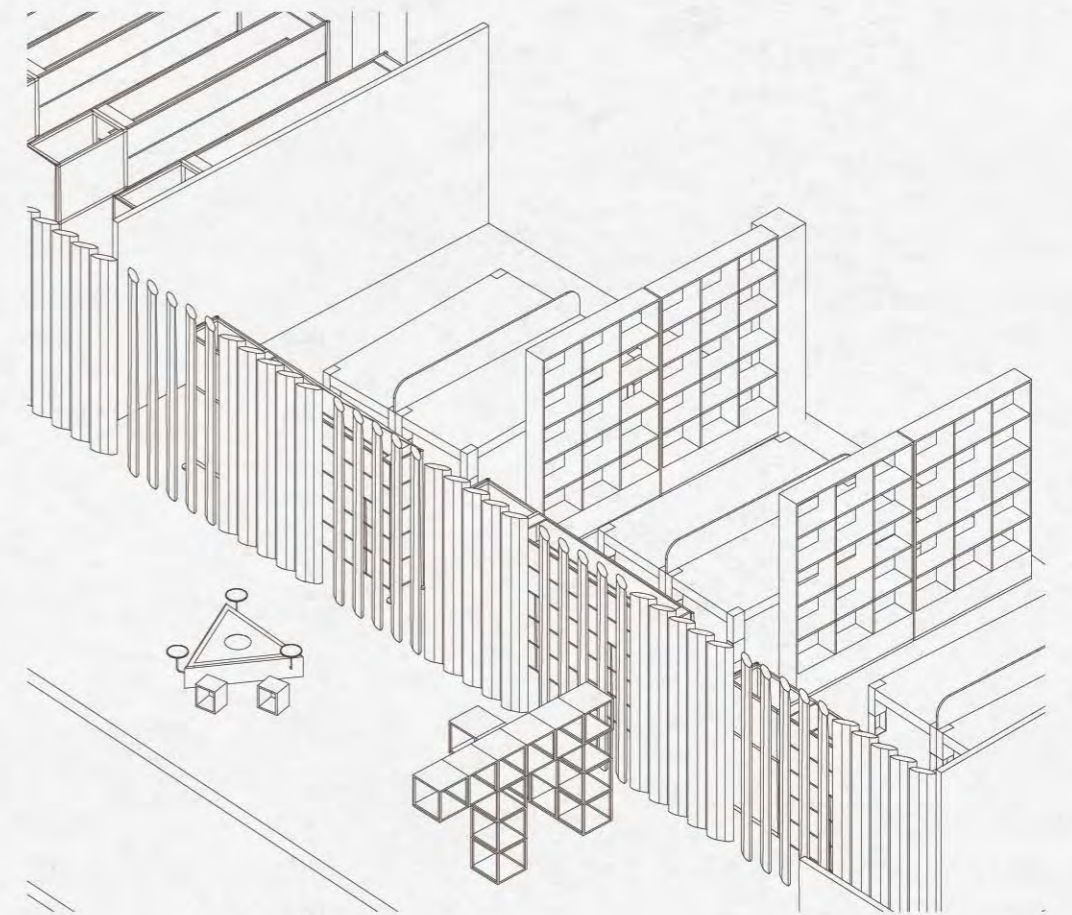
The route guides the viewer through the different archive spaces, creating a unique archival journey.



Combination : front view

Circulation

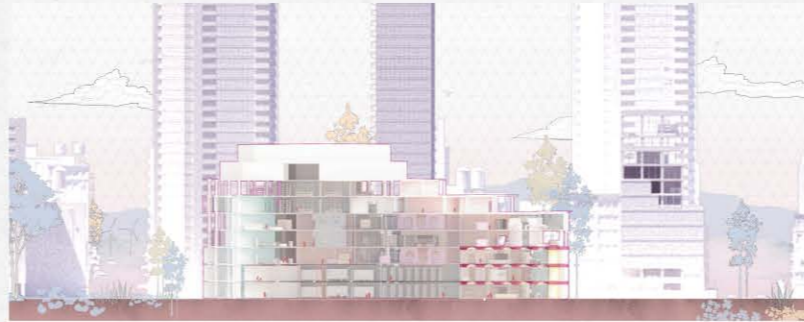
Due to the inaccessibility of the artist's studio, I released a circular path around the core, which the user is free to explore, but also on a path that prevents backtracking.



CIRCULATION



V

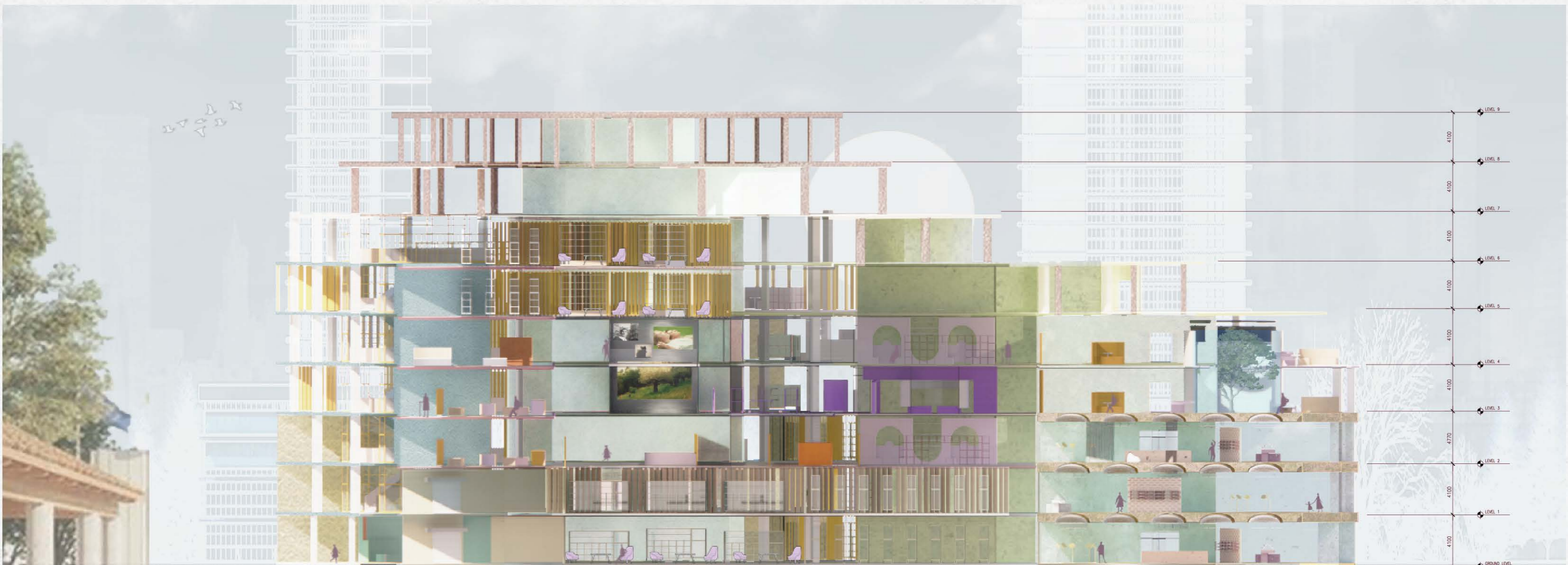
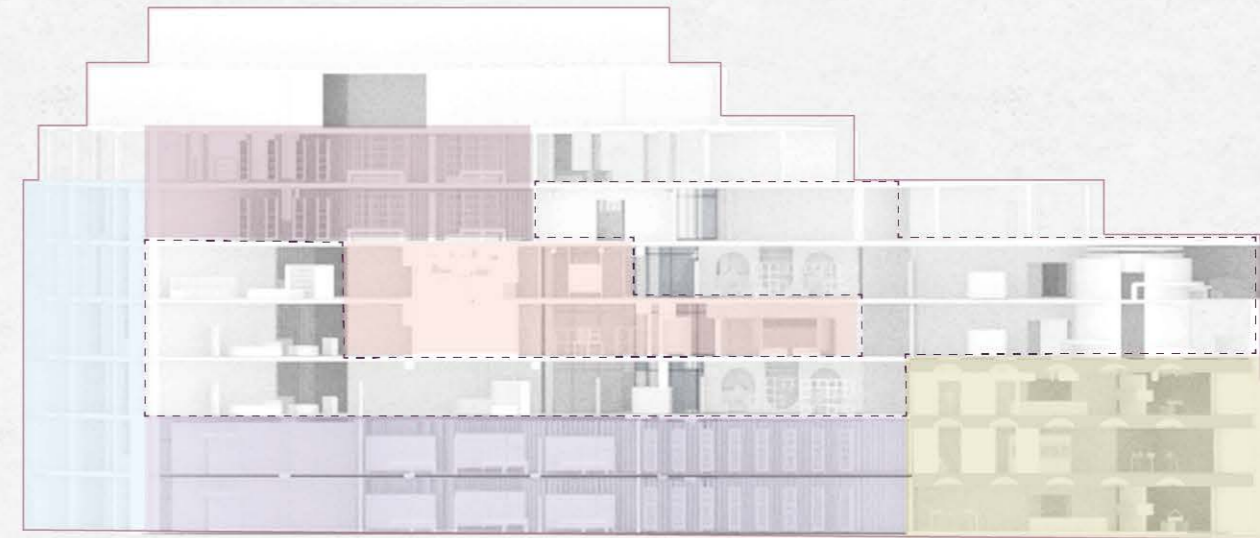


VISUALISATION

SECTION ANALYSIS

FRONT VIEW

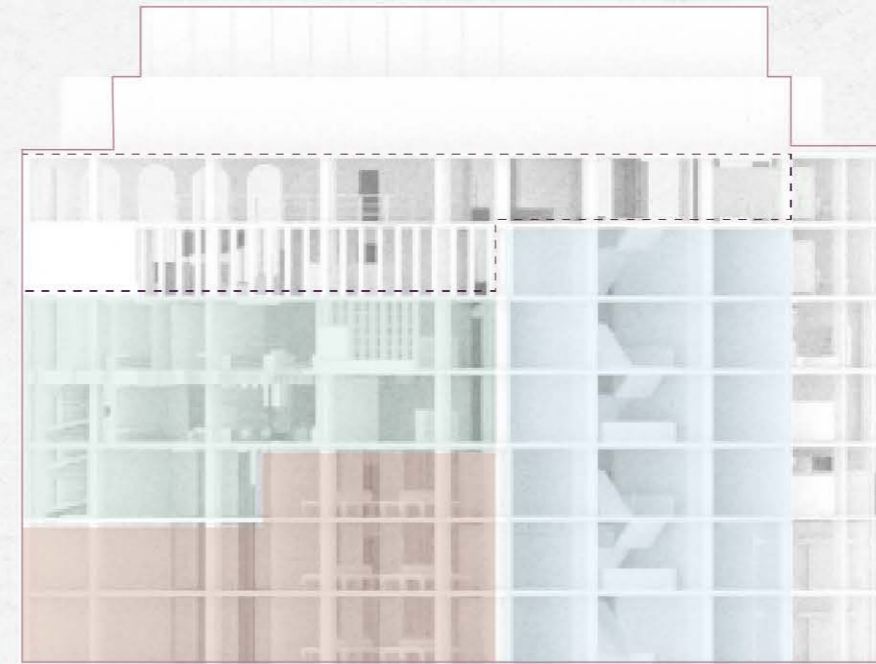
- Object exhibition
- Image exhibition
- Sound exhibition
- Item studio & storage
- Image studio & storage
- Bridge area



SECTION ANALYSIS

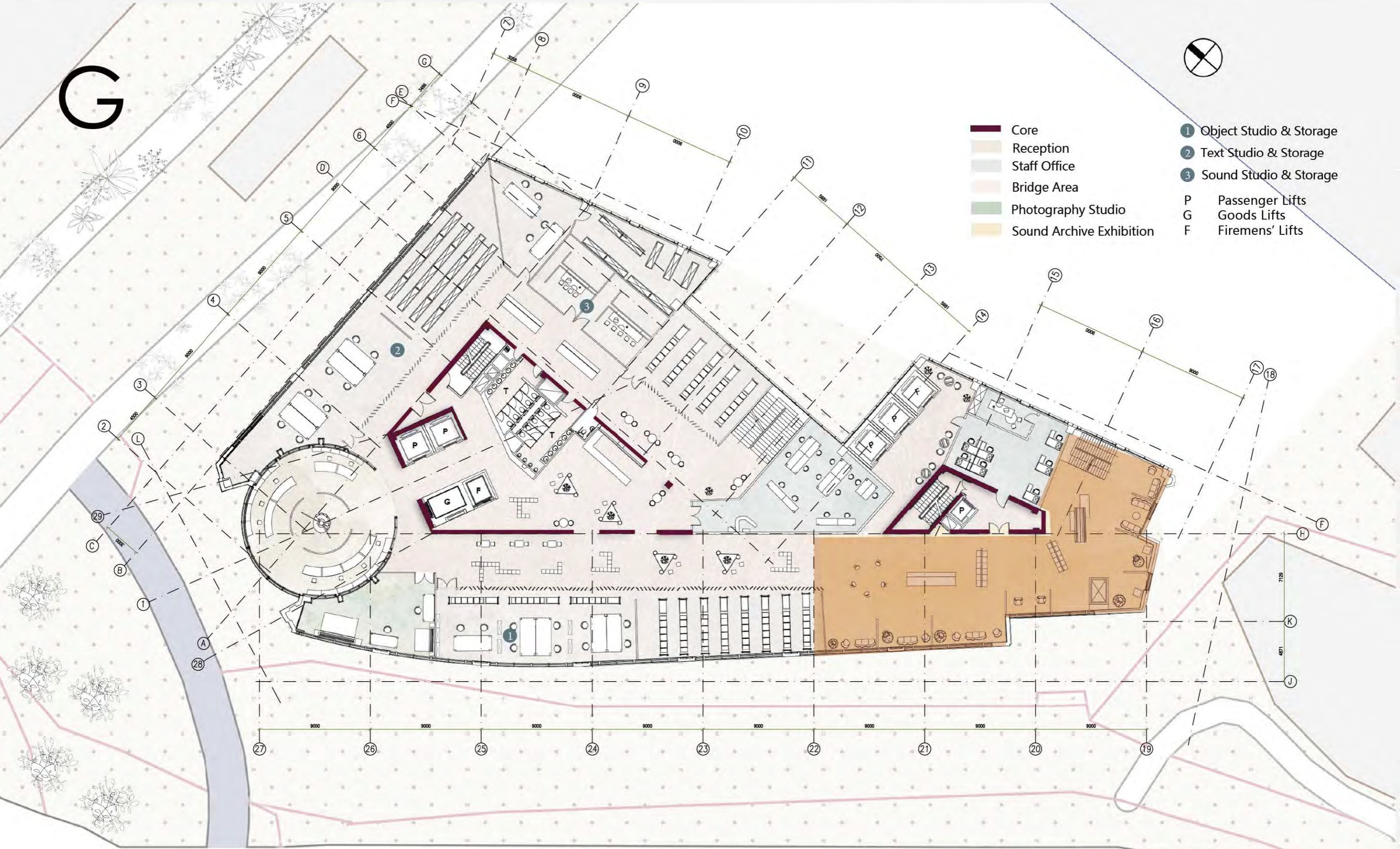
LEFT VIEW

- Text exhibition
- Object exhibition
- Text studio & storage
- Bridge area



SOUND ARCHIVE

G



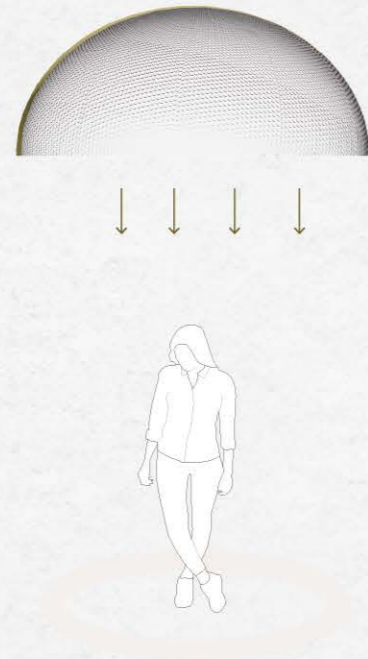
- Core
- Reception
- Staff Office
- Bridge Area
- Photography Studio
- Sound Archive Exhibition

- 1 Object Studio & Storage
- 2 Text Studio & Storage
- 3 Sound Studio & Storage
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts

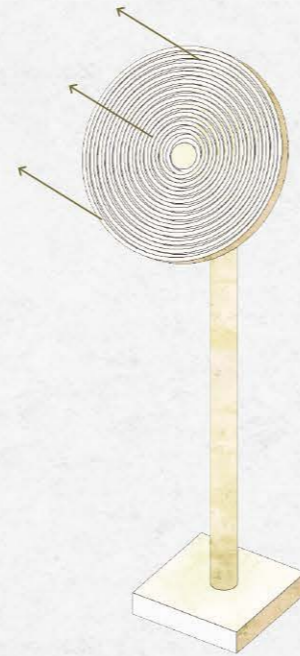


SOUND ARCHIVE

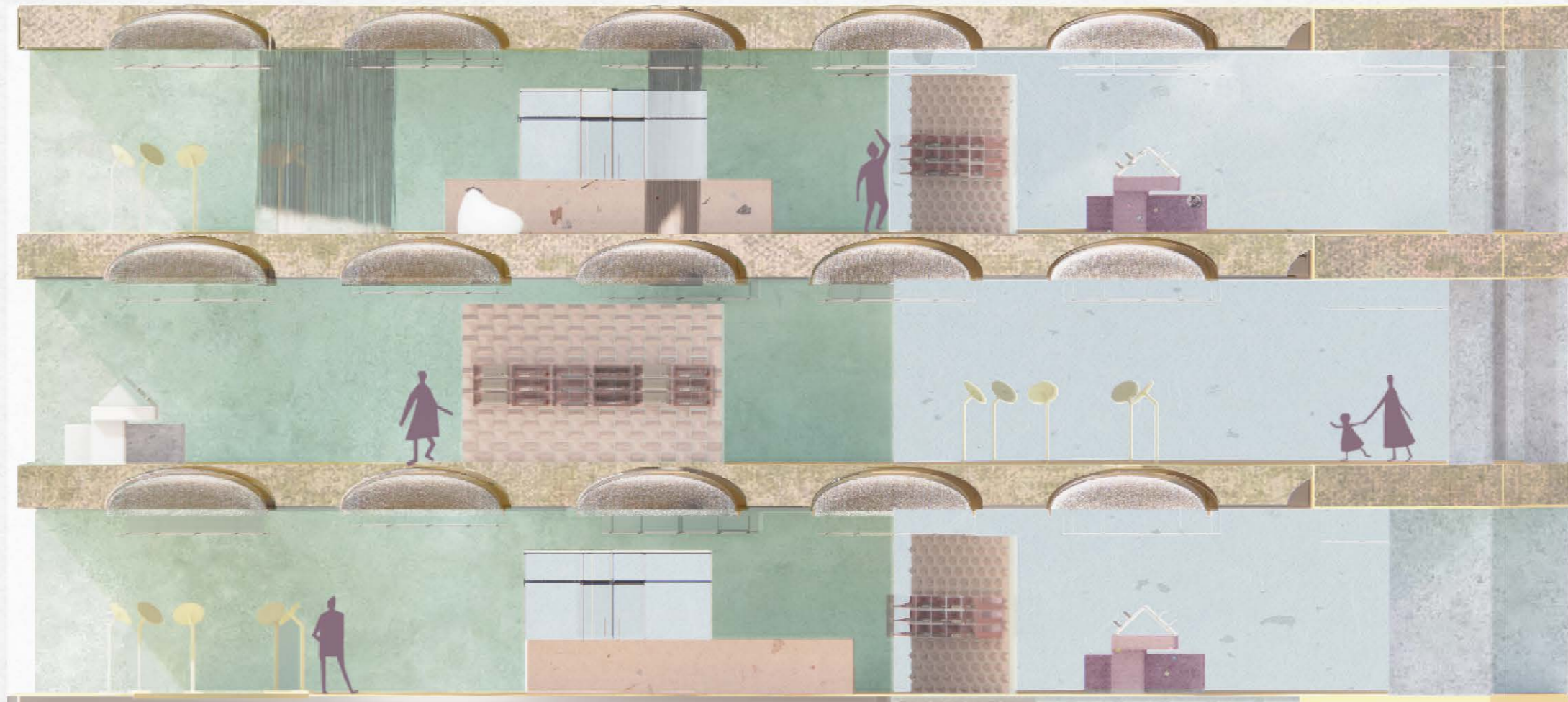
Loudspeakers are embedded in the ceiling, directional sound dome + floor icon reminders are used in the exhibition area to create a private 'just for you' experience, and acoustic panels are used to encapsulate the equipment on the storage wall to ensure that the sound does not leak out.



Semi-circular microphone



Sound device

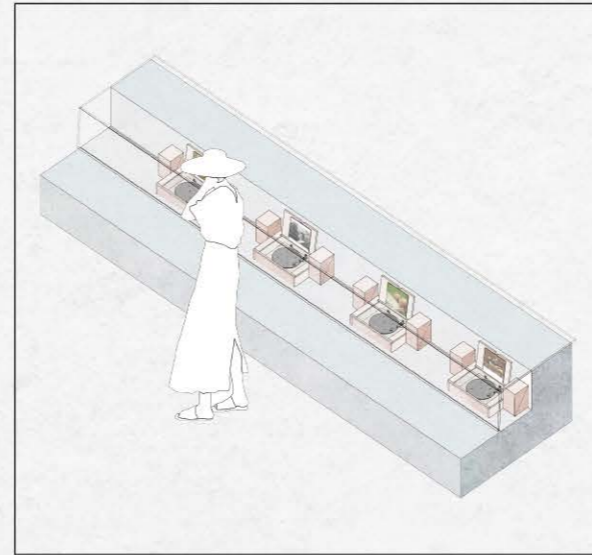


SHOWCASE

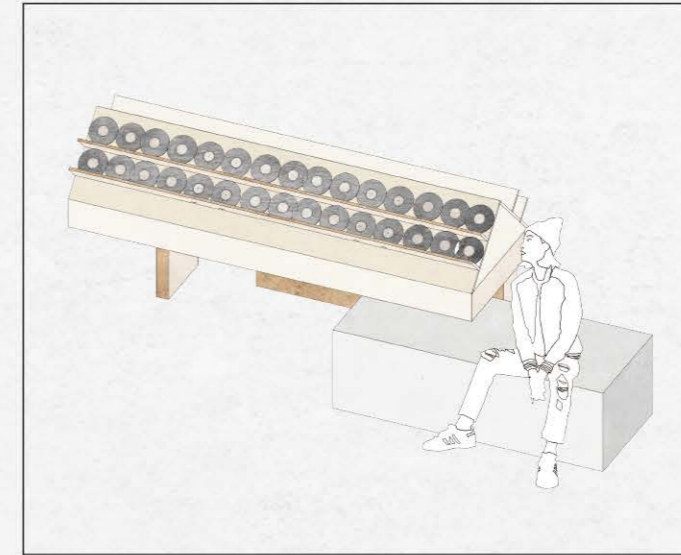
Each type of archive has different characteristics and therefore has its own storage method.



Acoustic cabinet storage

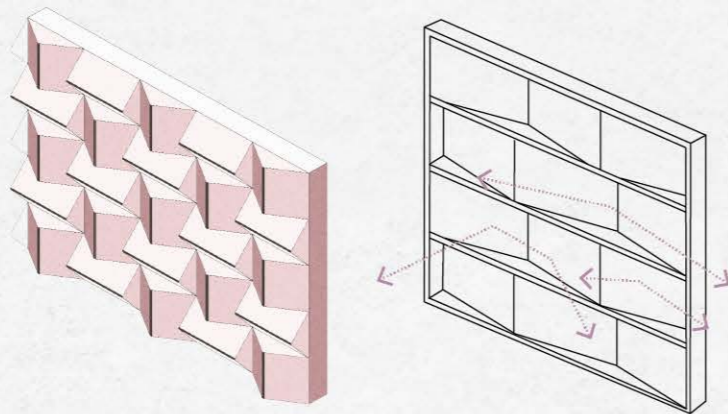


Form 2

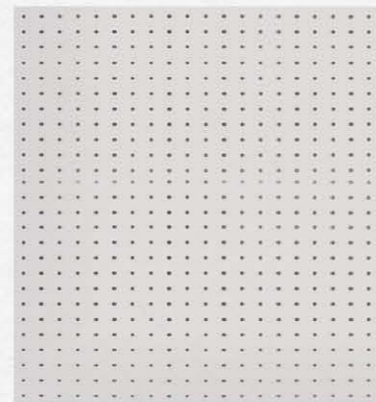


Form 3

MATERIALS



Acoustic panel



Metal perforated sheet



Timber



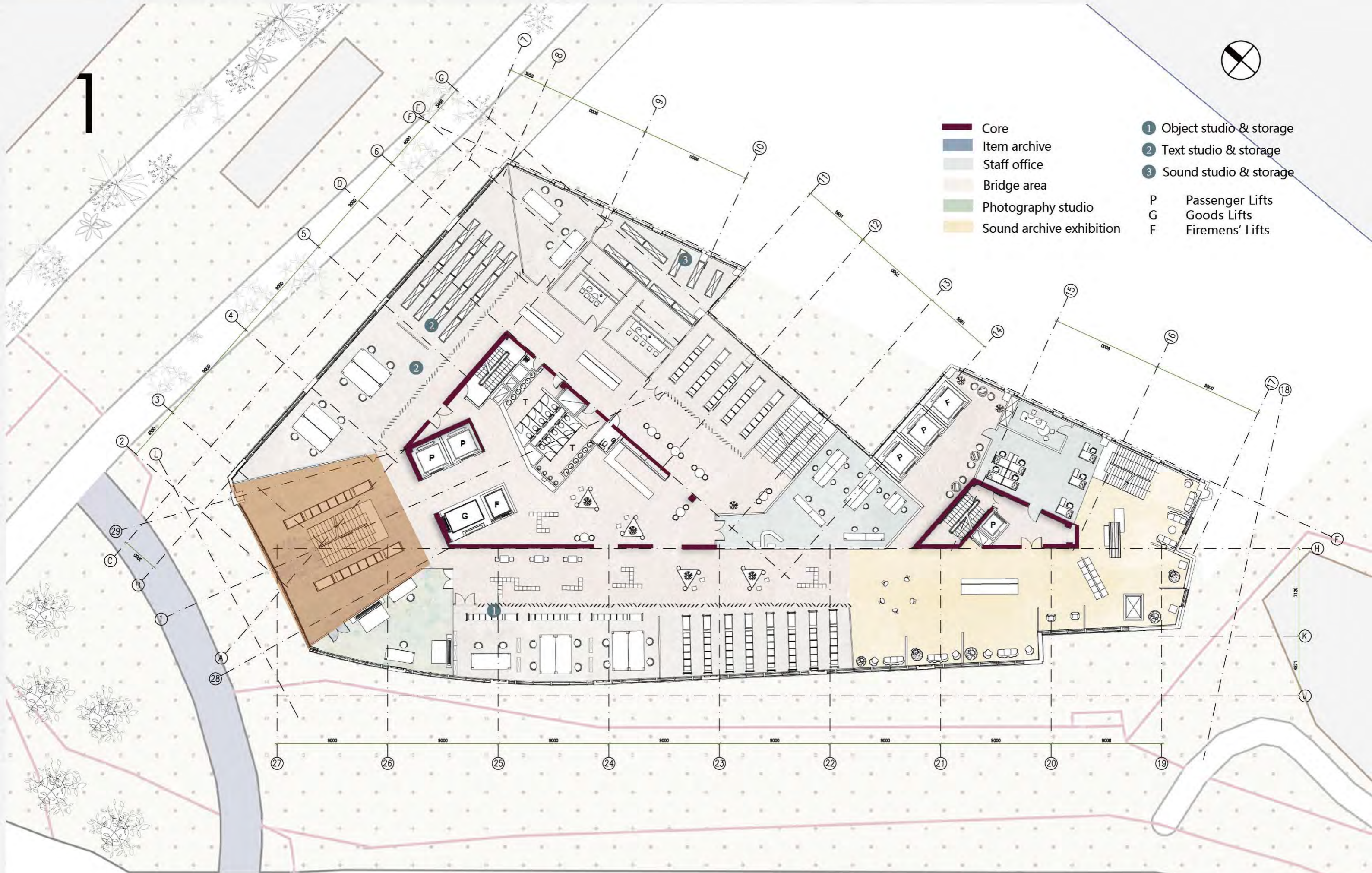
Acoustic mat

ITEM ARCHIVE

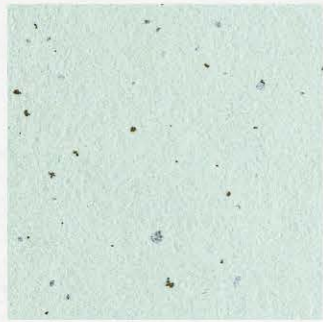
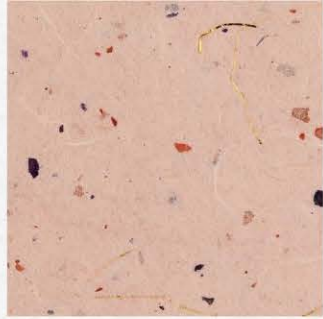
1



- Core
 - Item archive
 - Staff office
 - Bridge area
 - Photography studio
 - Sound archive exhibition
- 1 Object studio & storage
 - 2 Text studio & storage
 - 3 Sound studio & storage
 - P Passenger Lifts
 - G Goods Lifts
 - F Firemen's Lifts



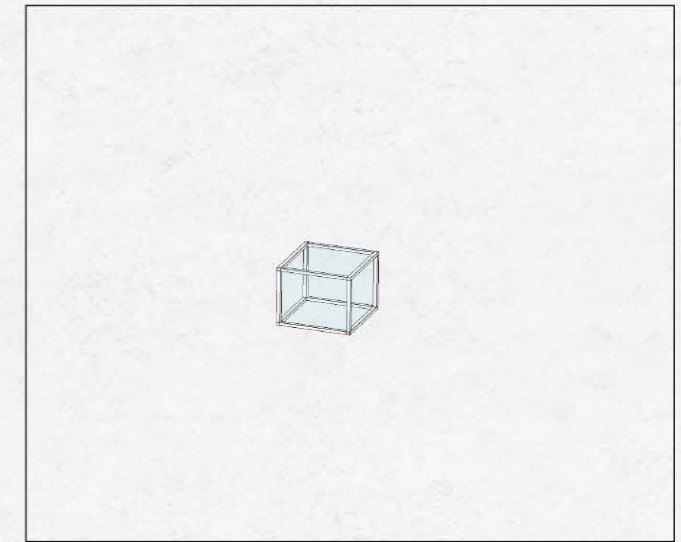




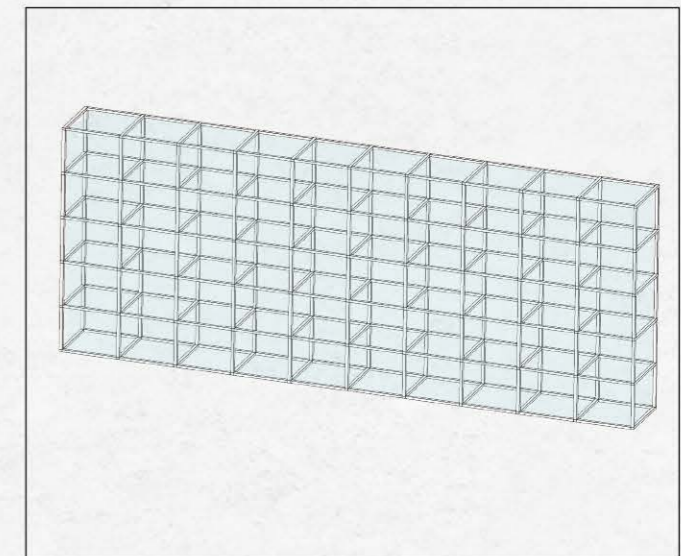
Terrazzo



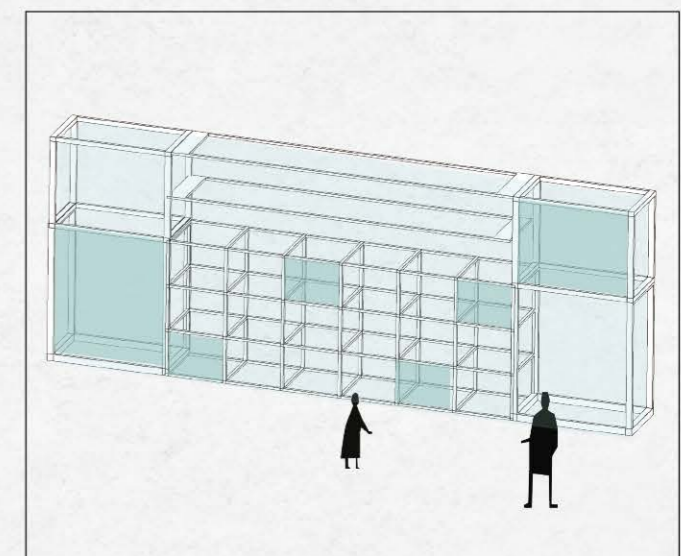
SHOWCASE



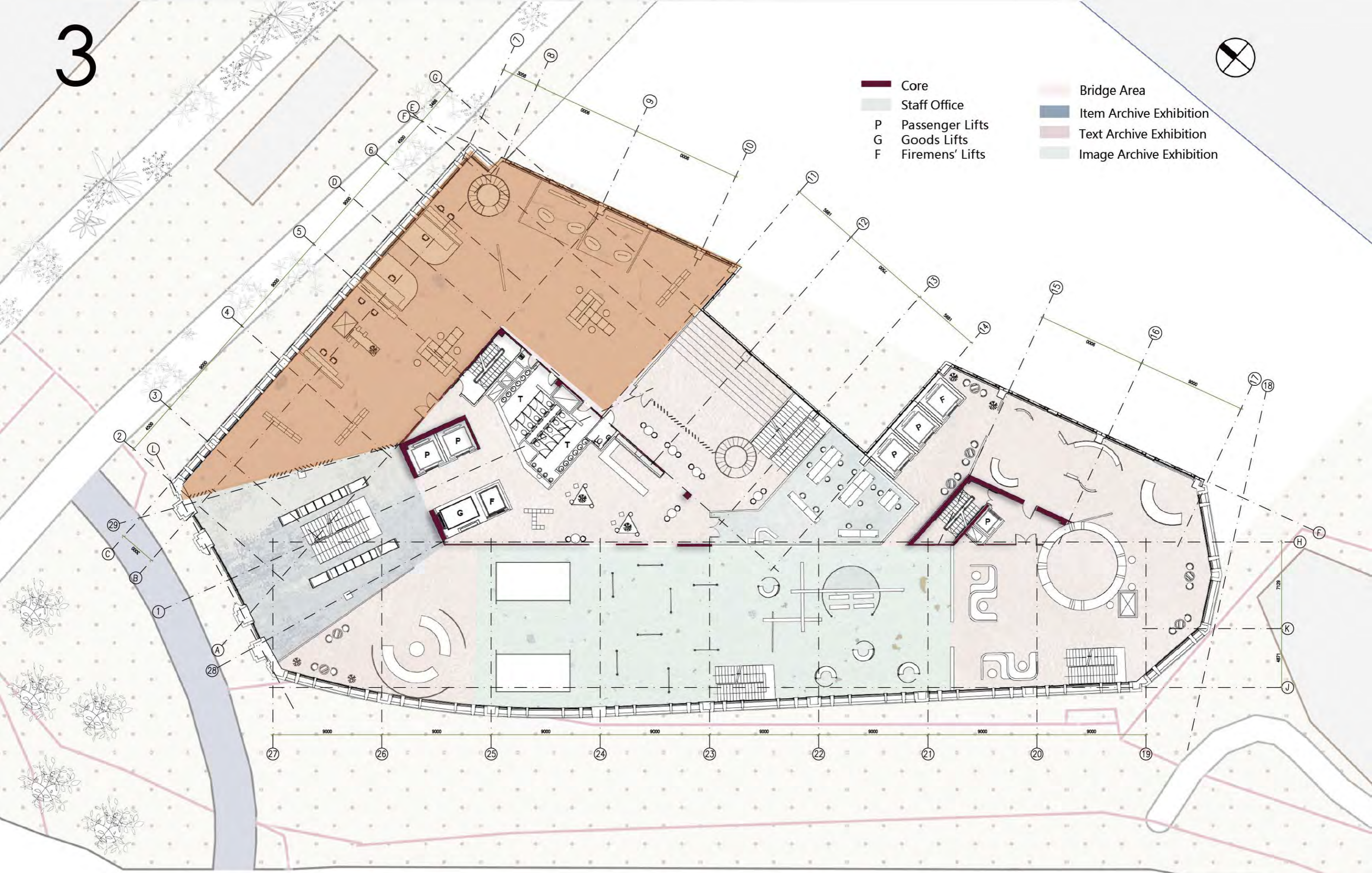
Display stand 500*500*500
Protecting items with glass.



Combination



Resize

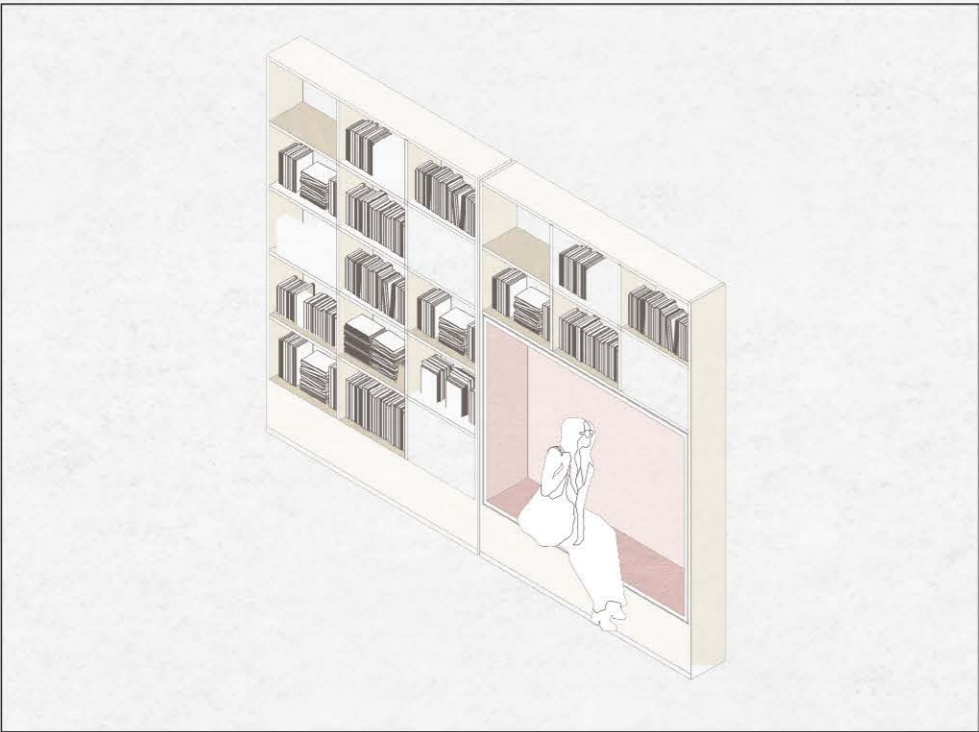


- Core
- Staff Office
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts
- Bridge Area
- Item Archive Exhibition
- Text Archive Exhibition
- Image Archive Exhibition

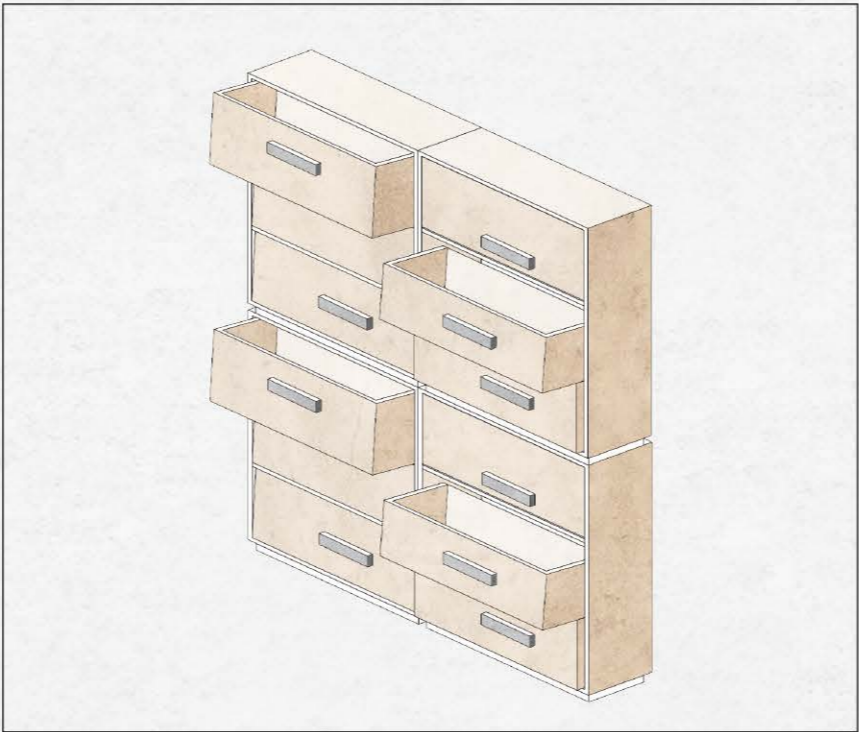




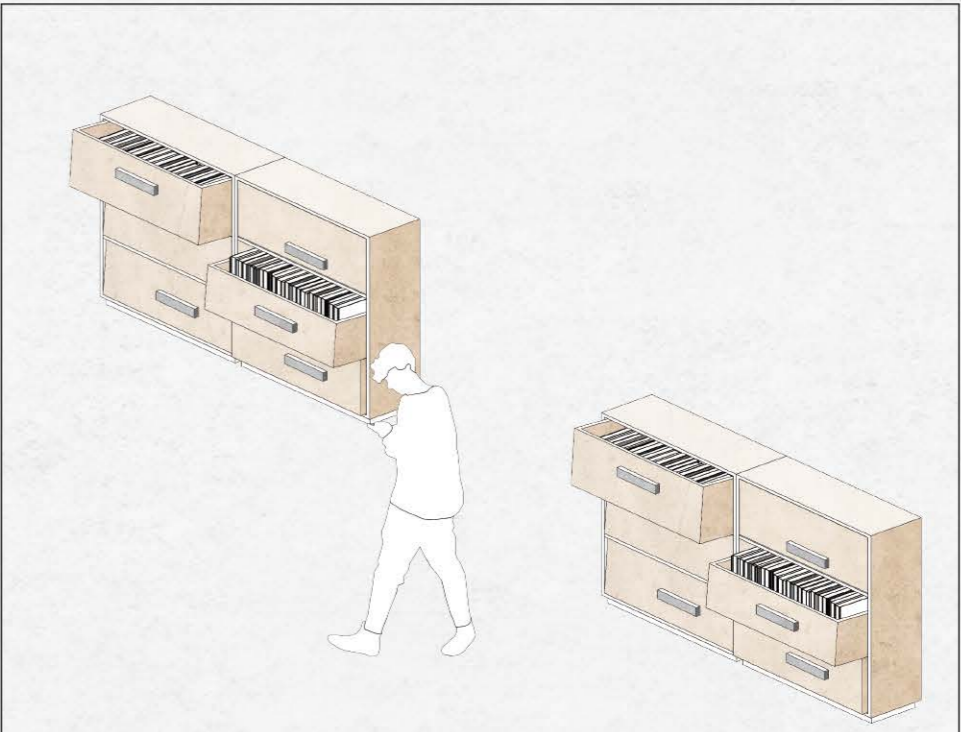
SHOWCASE



Form 1: 'Book type' files



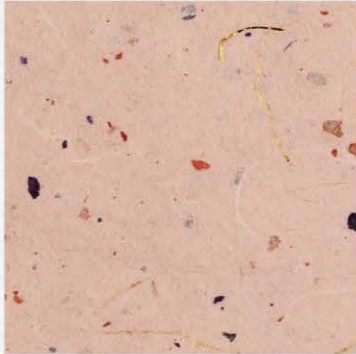
Form 2: Document Type



Form 3: Paper-based files



Timber



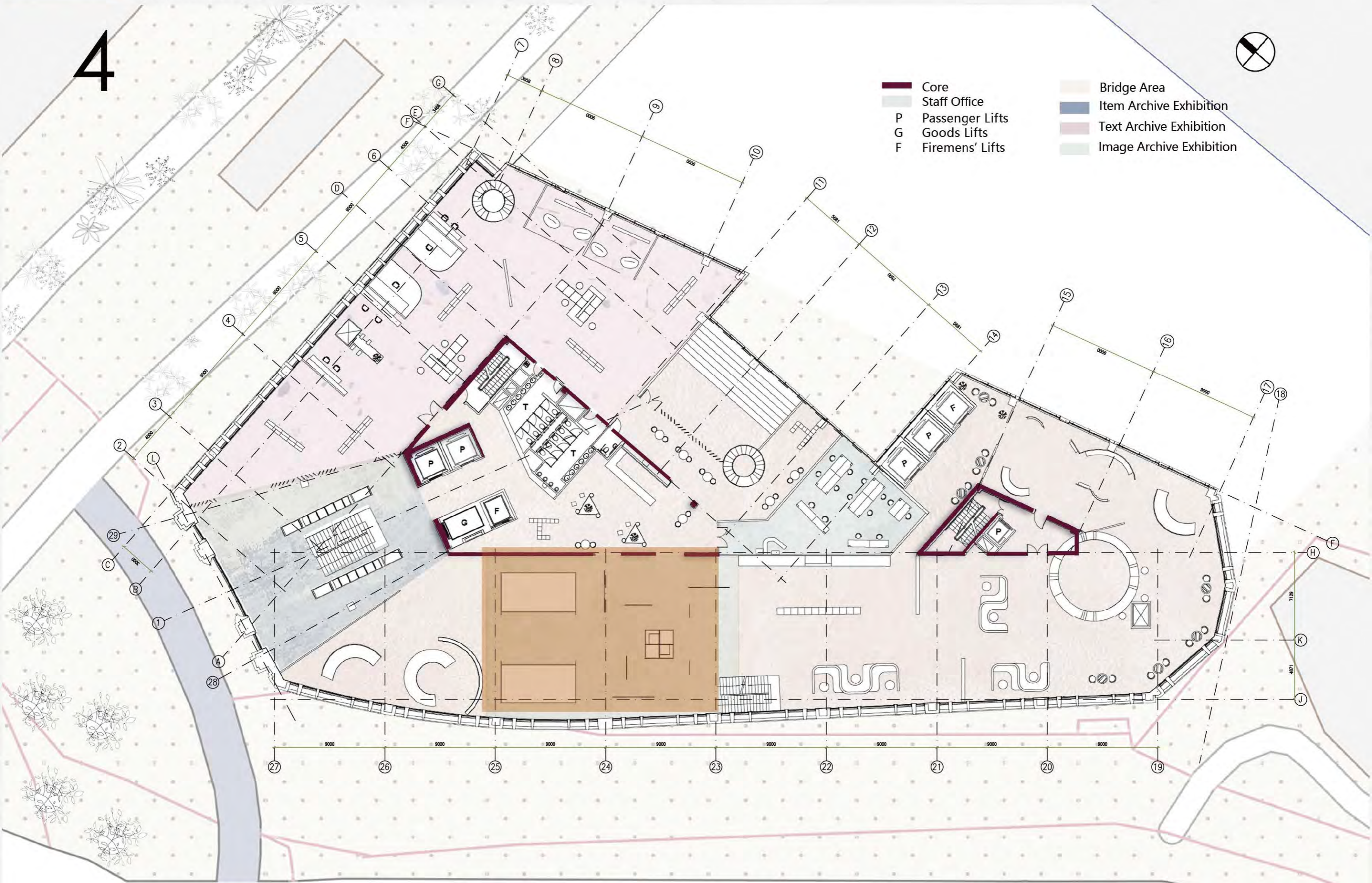
Terrazzo



Electronic display

IMAGE ARCHIVE

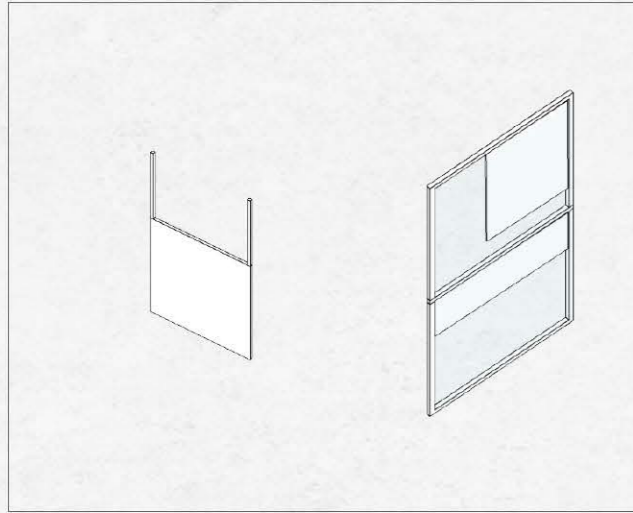
4



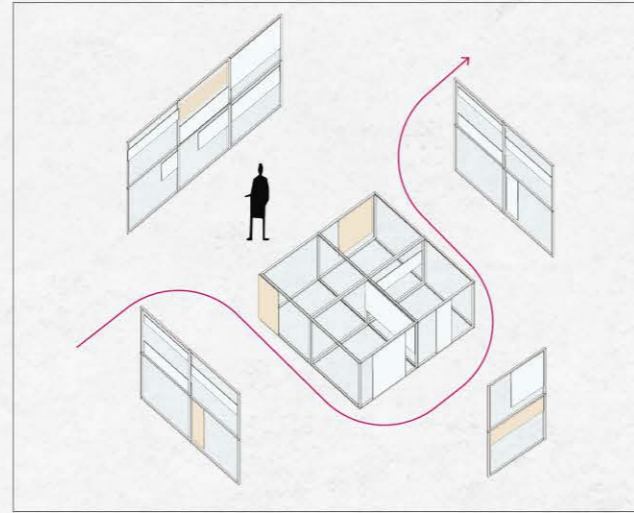
- Core
- Staff Office
- P Passenger Lifts
- G Goods Lifts
- F Firemen's Lifts

- Bridge Area
- Item Archive Exhibition
- Text Archive Exhibition
- Image Archive Exhibition

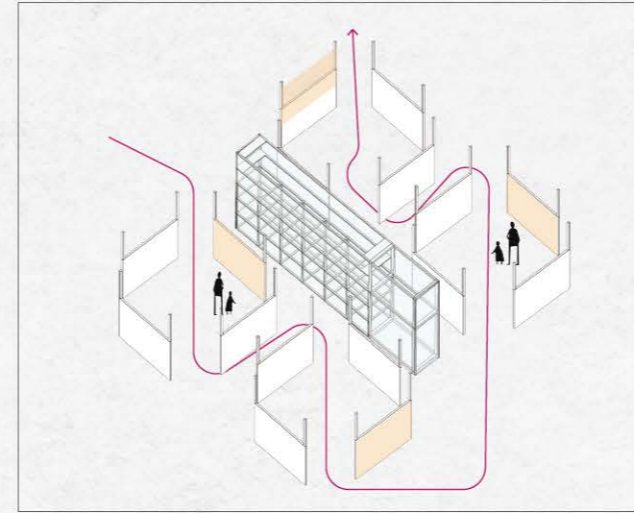
SHOWCASE



Projection Cloths for Digital mages
Photo frames for still images



Form 1: Protecting items with glass.



Form 2

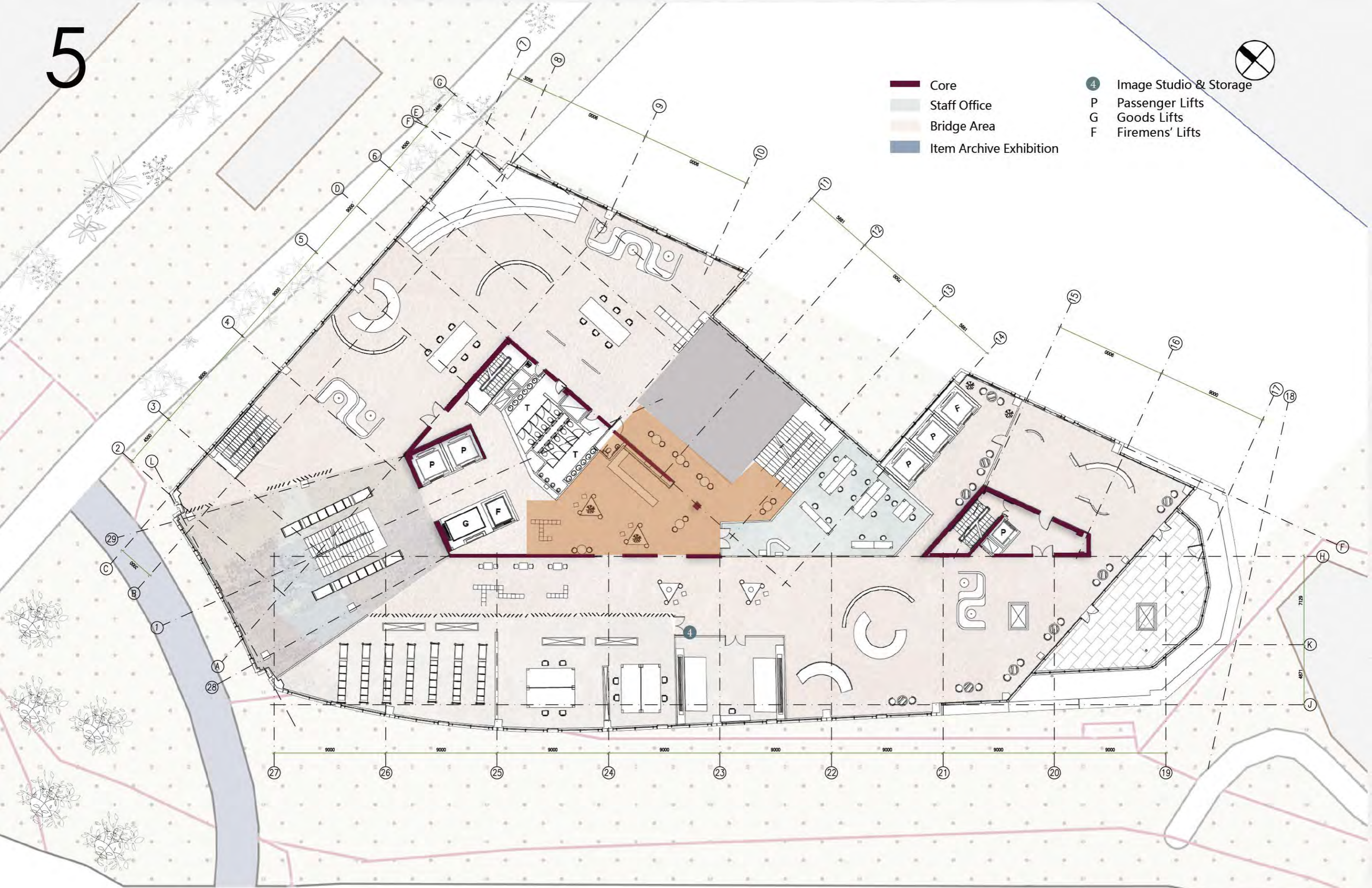


Dot-distributed projection canvas brings dynamic flow.



- Core
- Staff Office
- Bridge Area
- Item Archive Exhibition

- 4 Image Studio & Storage
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts



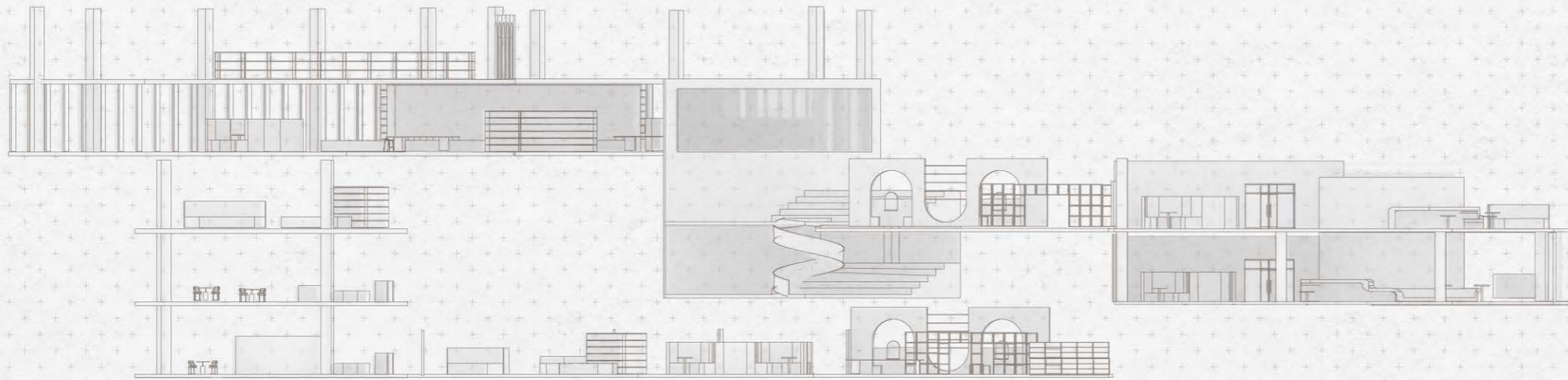
Cafe buffer



BRIDGE AREA

AUXILIARY FUNCTIONAL AREA

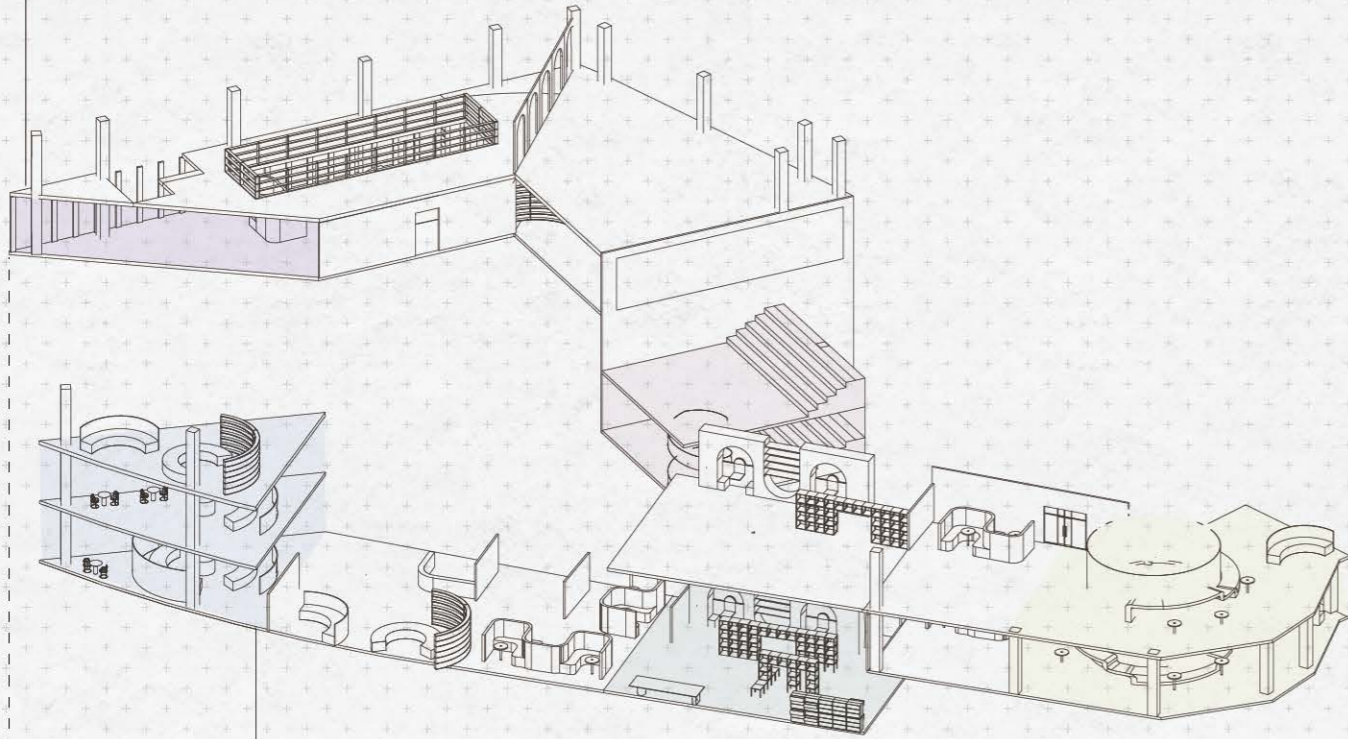
The 'bridge space' is not only a channel to connect functional areas, but also an interactive platform to 'activate the connection between people'. Therefore, I have set up a group of communication zones in which these spaces transform the original 'passive viewing' exhibition into an 'active communication' narrative.



AUXILIARY FUNCTIONAL AREA

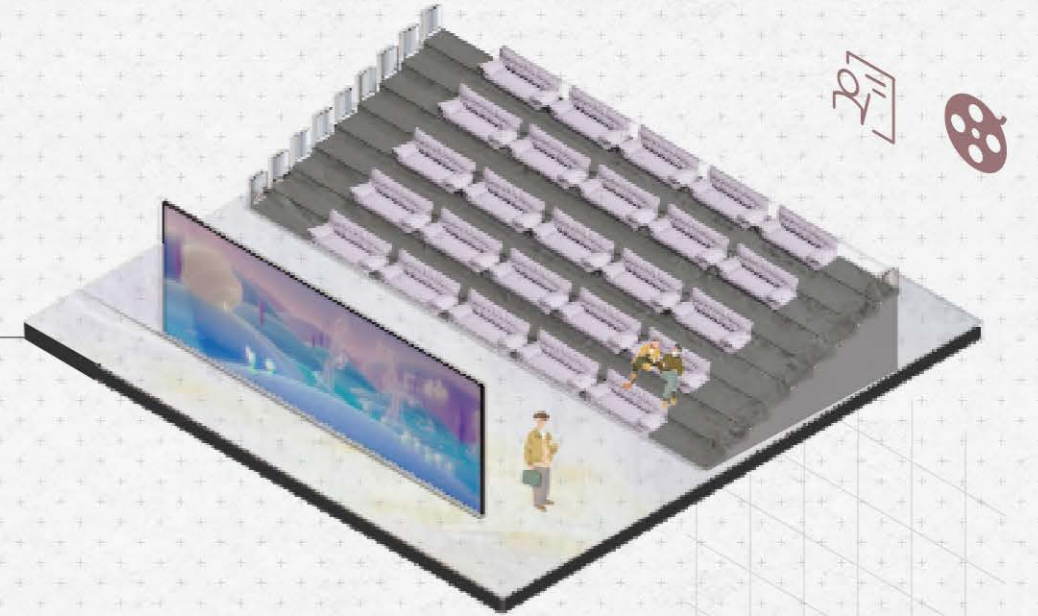
Nodes

Writing Corner



Talking Circle

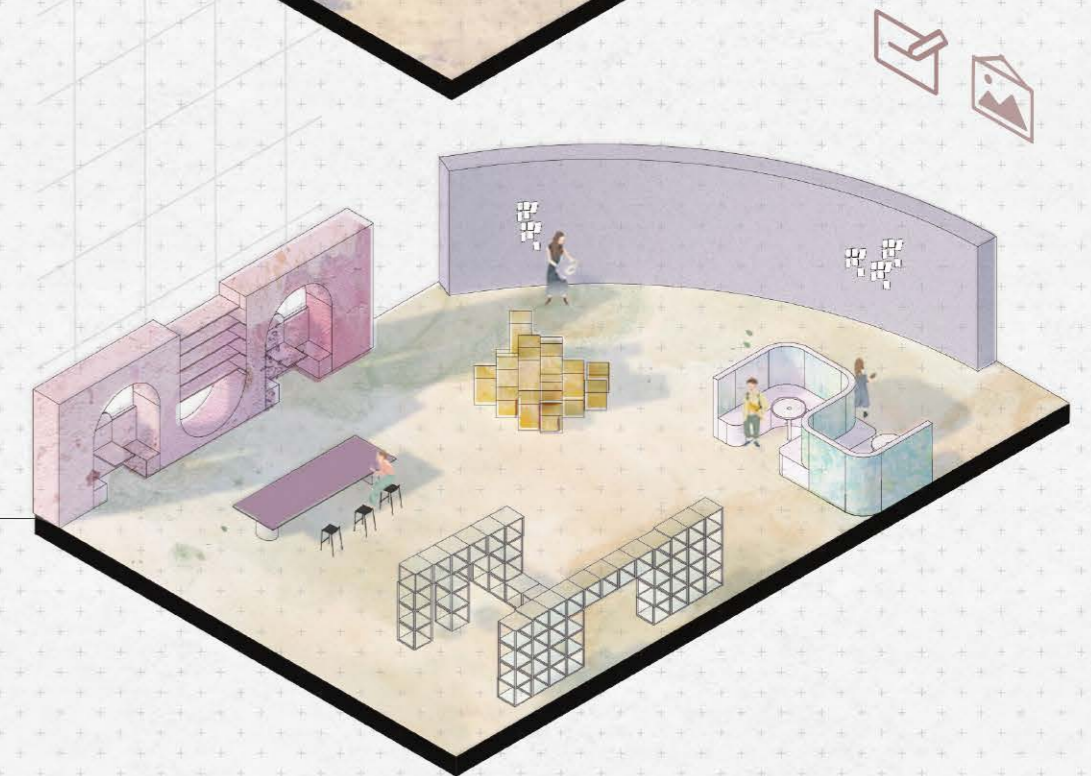
Lecture

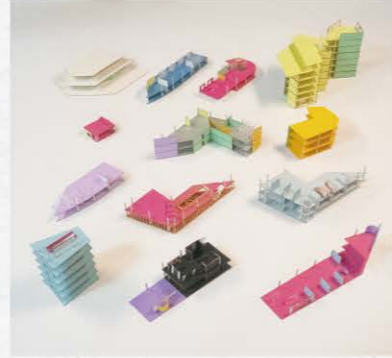


Landscape Pavilion



Memory Weaving Wall





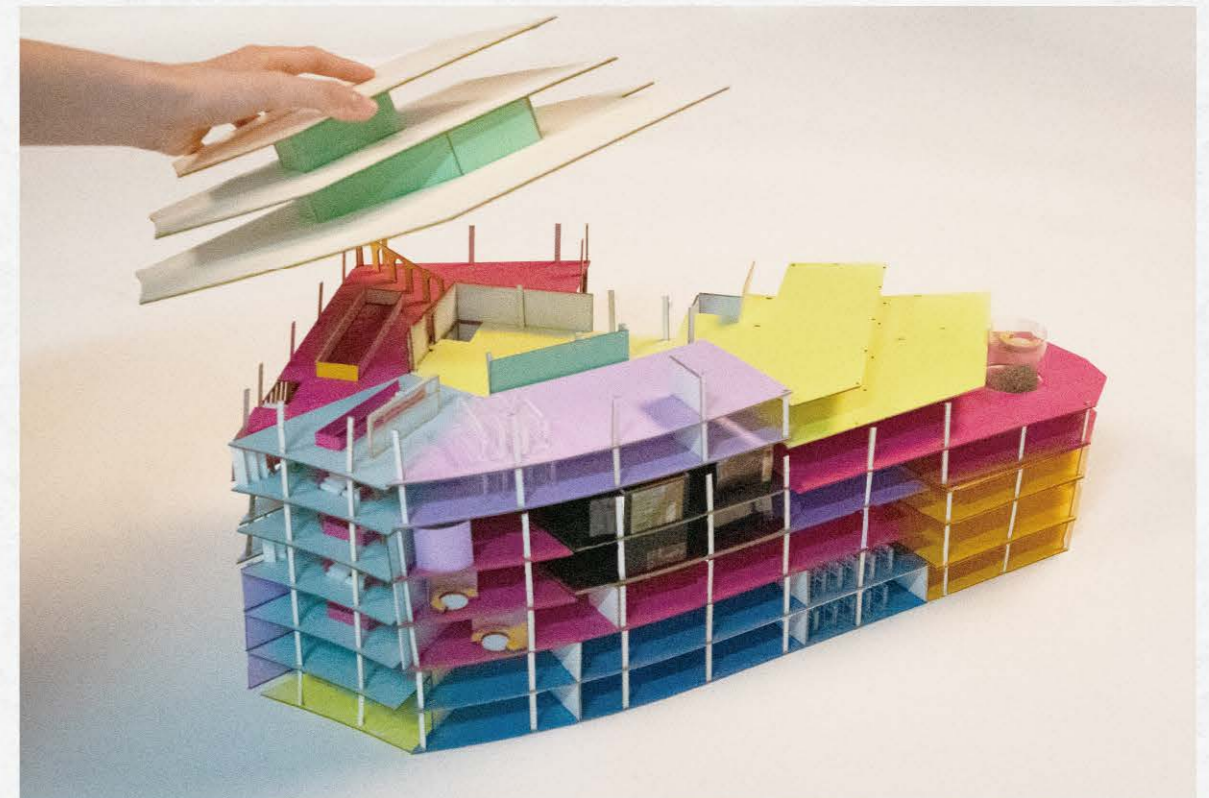
PHYSICAL MODEL



The physical model is constructed in a modular way, consisting of independent spatial units such as archive boxes and artists' studios, which can be freely disassembled, reorganized and collaged like fragments of memory, and together they form a dynamically growing architectural whole.

The GIF animation shows the process of these modules "growing out of the core", which not only expresses the flexibility and expandability of the structure, but also symbolizes the rhythm of memory accumulating, manifesting and updating in this space.

Here, the building is no longer a fixed container, but a memory generator that can be continuously collaged and filled.





Core



Object Archive Exhibition



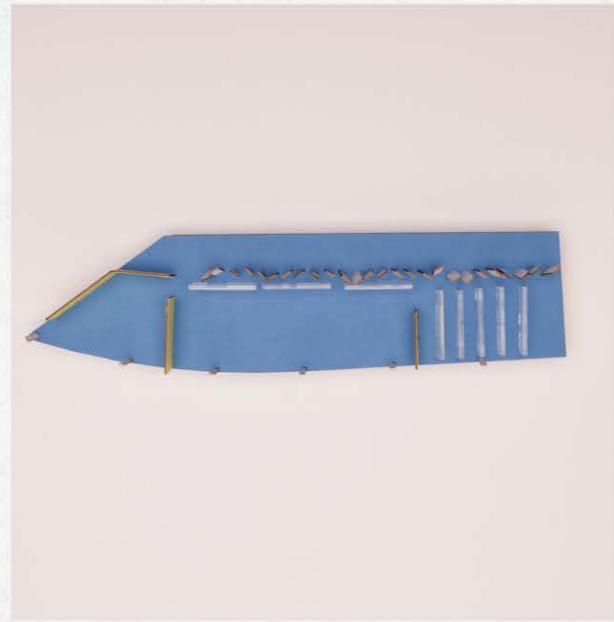
Sound Archive Exhibition



Image Archive Exhibition



Text Archive Exhibition



Object Artist Studio



Sound & Text Artist Studio



Image Artist Studio



Communication Zone 1



Communication Zone 2

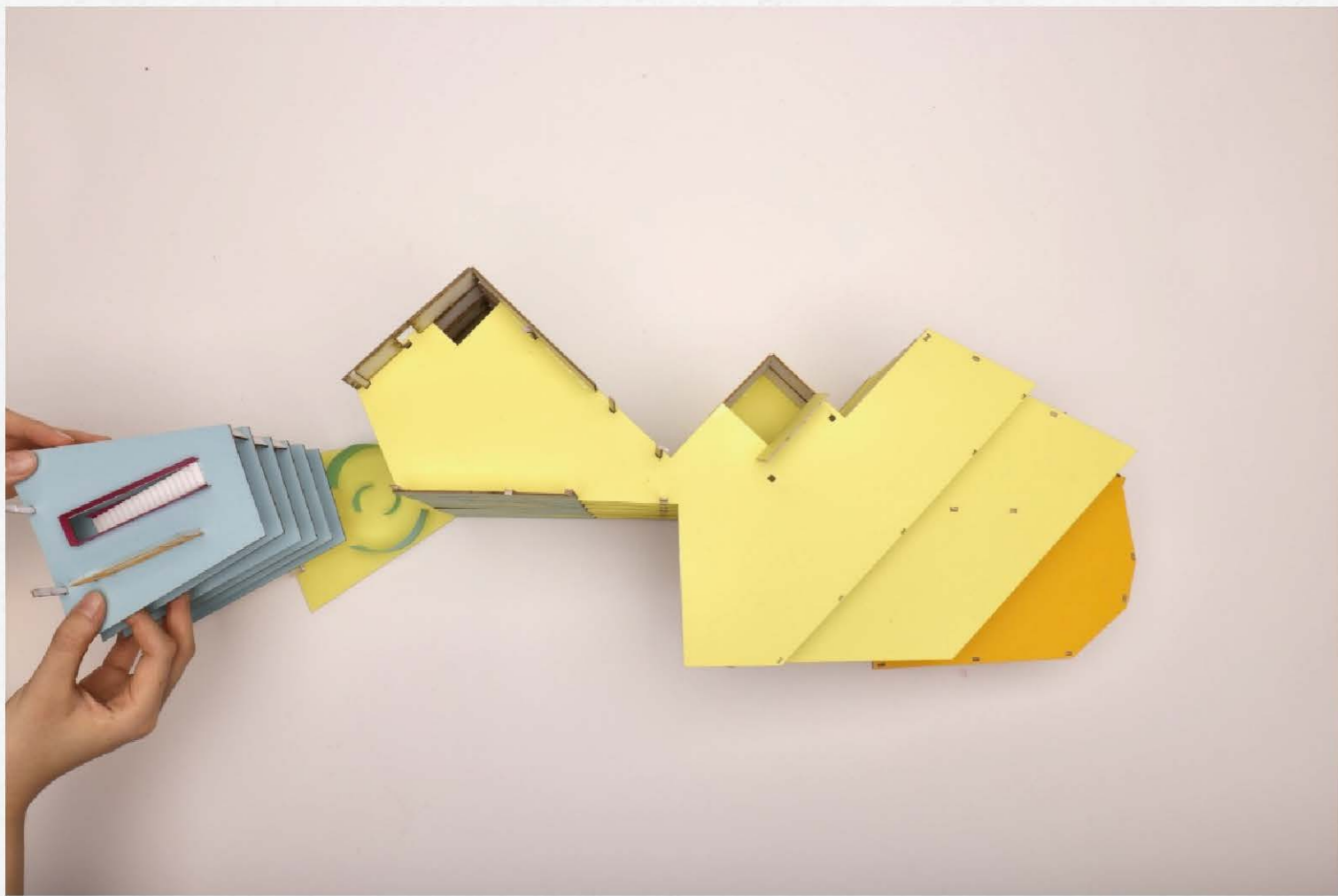


Communication Zone 3



Communication Zone 4



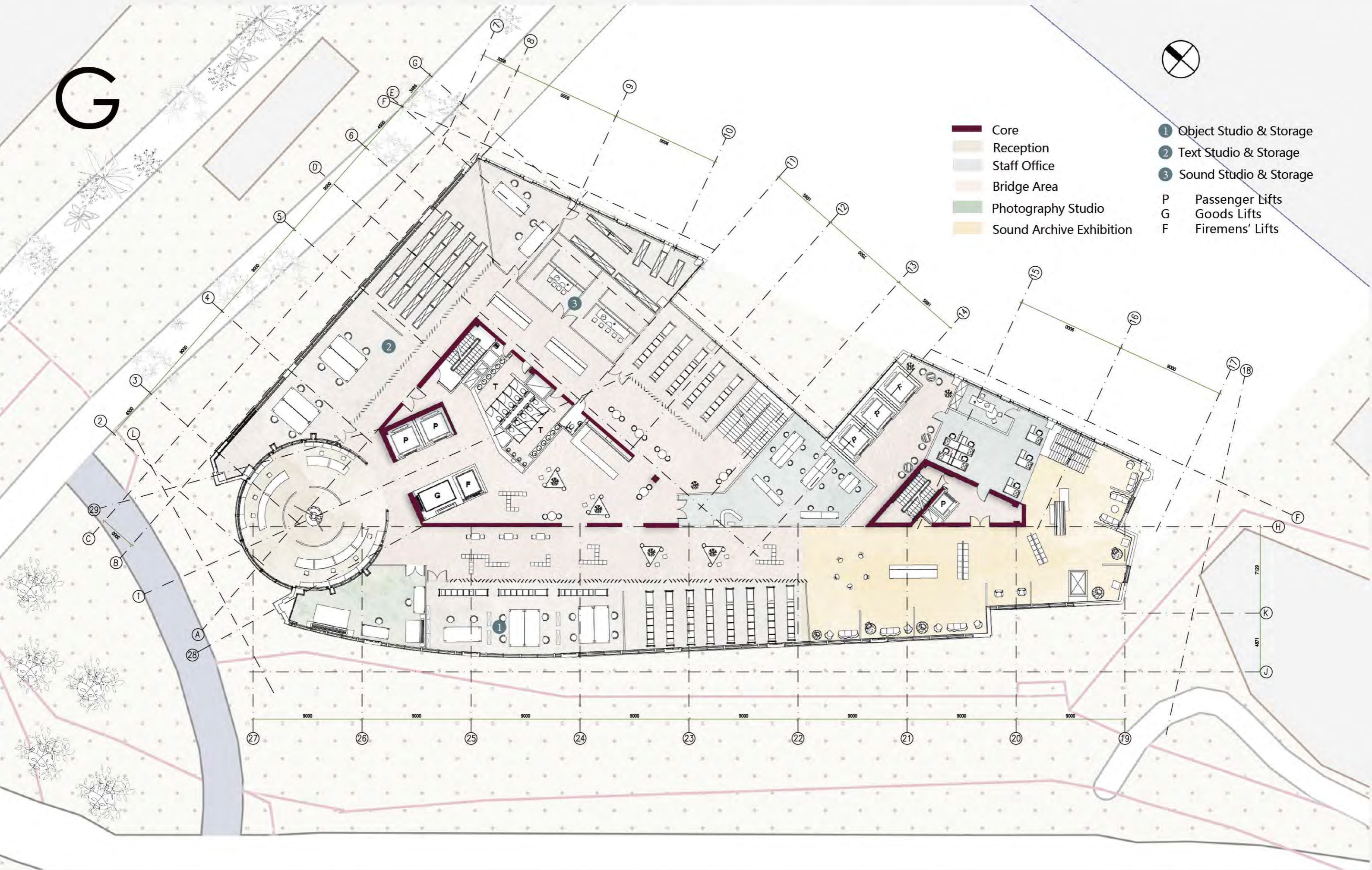


PLANS

G



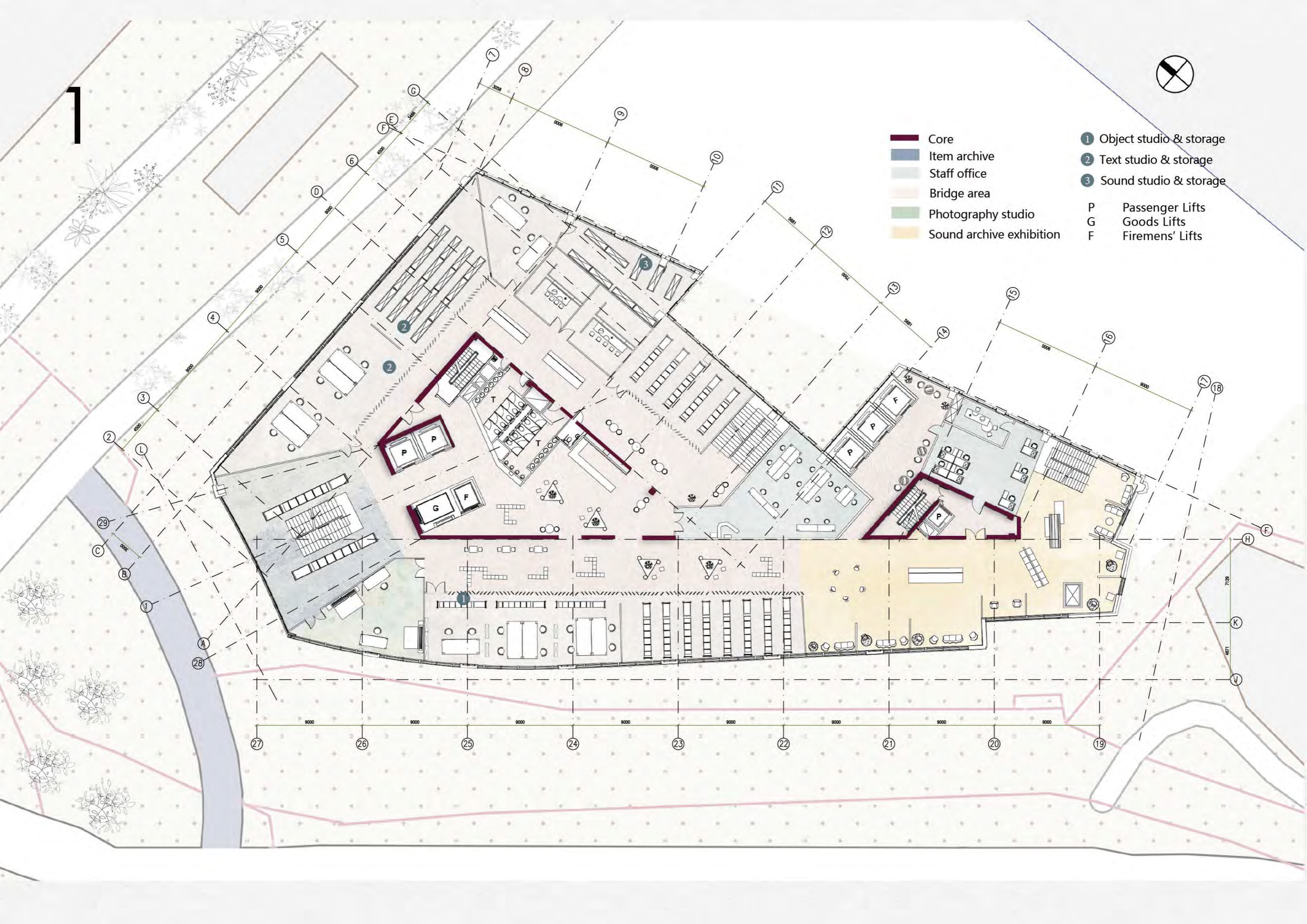
- Core
- Reception
- Staff Office
- Bridge Area
- Photography Studio
- Sound Archive Exhibition
- 1 Object Studio & Storage
- 2 Text Studio & Storage
- 3 Sound Studio & Storage
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts



1

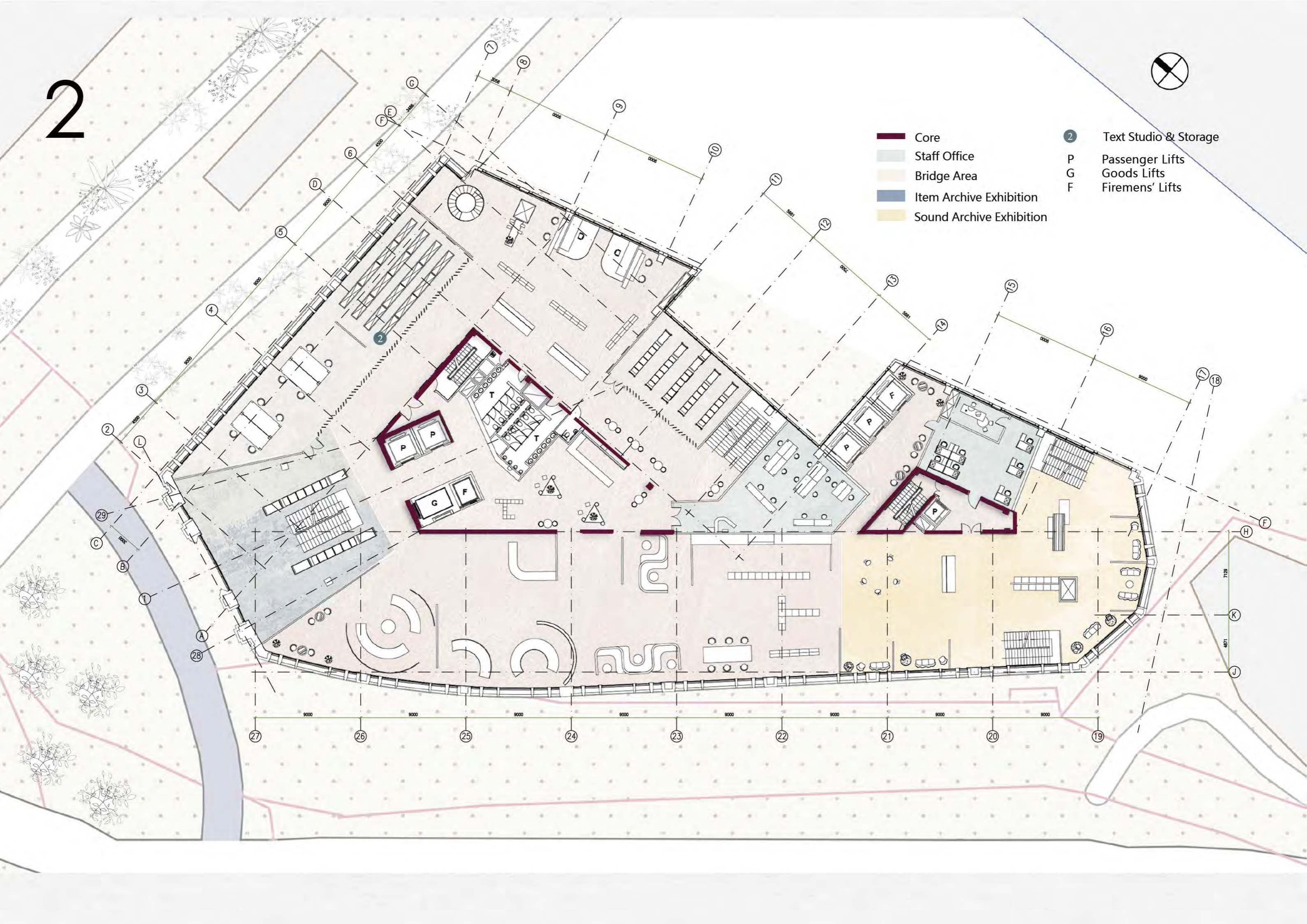


- Core
- Item archive
- Staff office
- Bridge area
- Photography studio
- Sound archive exhibition
- 1 Object studio & storage
- 2 Text studio & storage
- 3 Sound studio & storage
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts



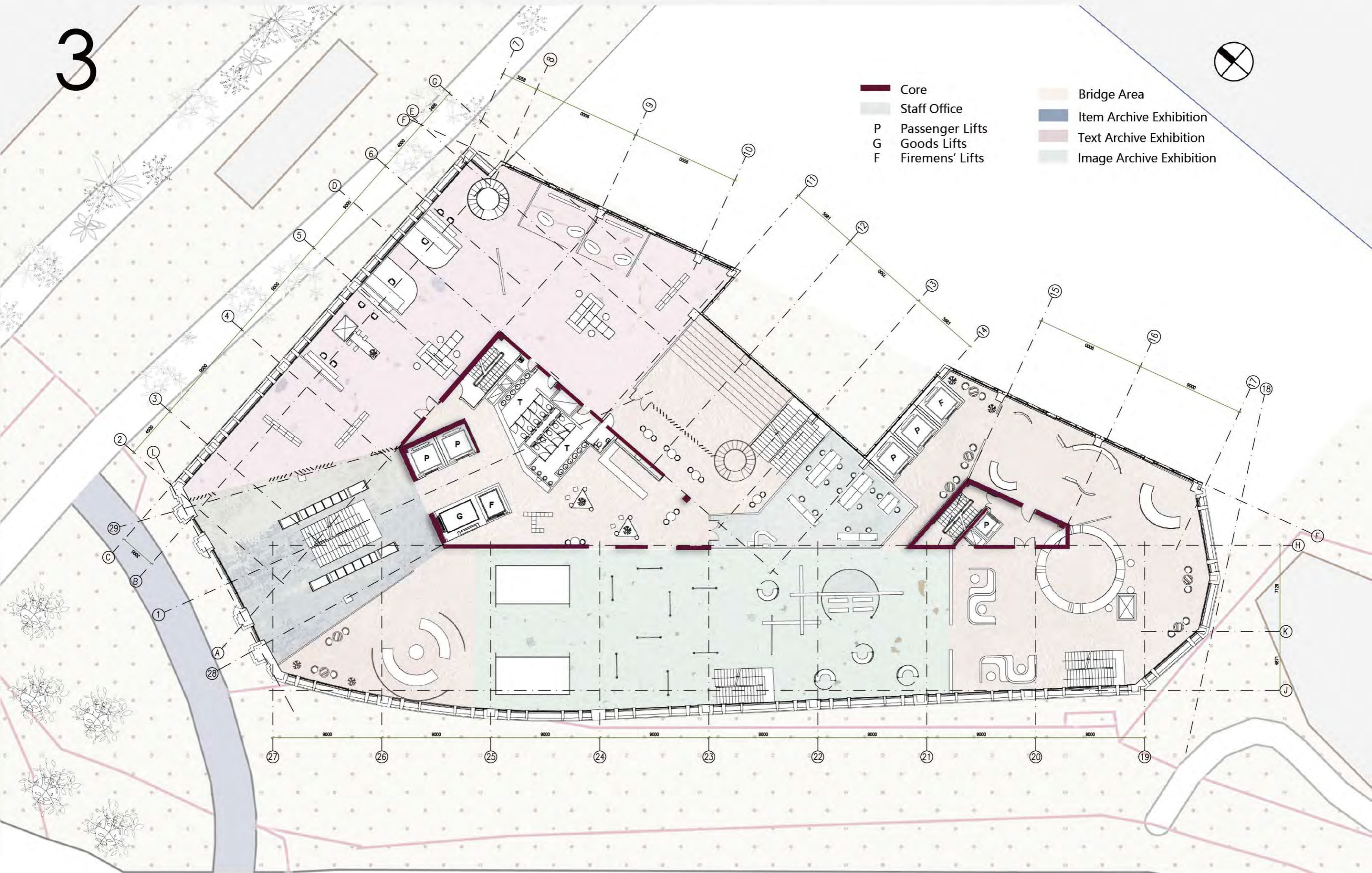


- Core
- Staff Office
- Bridge Area
- Item Archive Exhibition
- Sound Archive Exhibition
- 2 Text Studio & Storage
- P Passenger Lifts
- G Goods Lifts
- F Firemen's Lifts



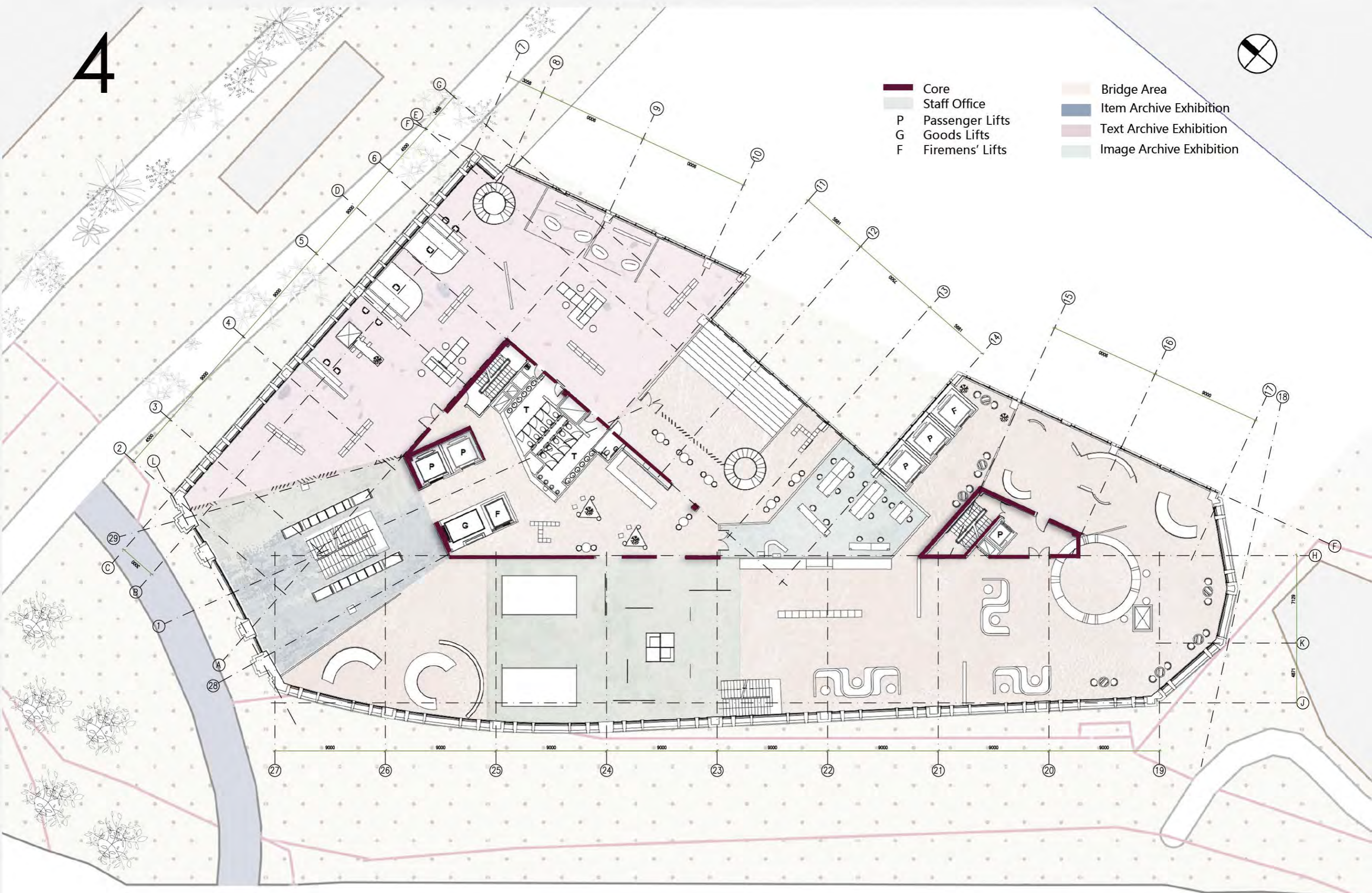


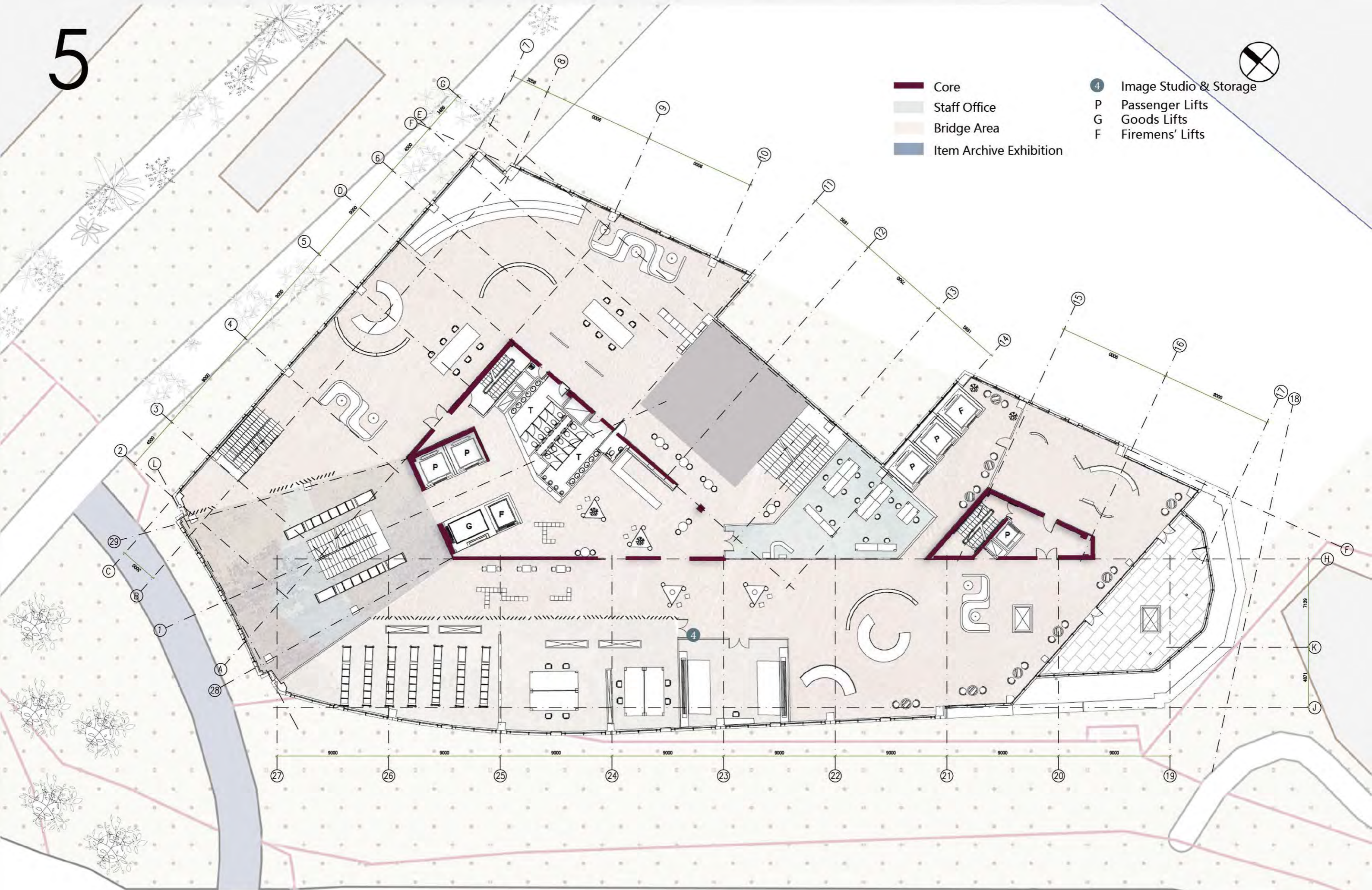
- Core
- Staff Office
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts
- Bridge Area
- Item Archive Exhibition
- Text Archive Exhibition
- Image Archive Exhibition





- Core
- Staff Office
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts
- Bridge Area
- Item Archive Exhibition
- Text Archive Exhibition
- Image Archive Exhibition



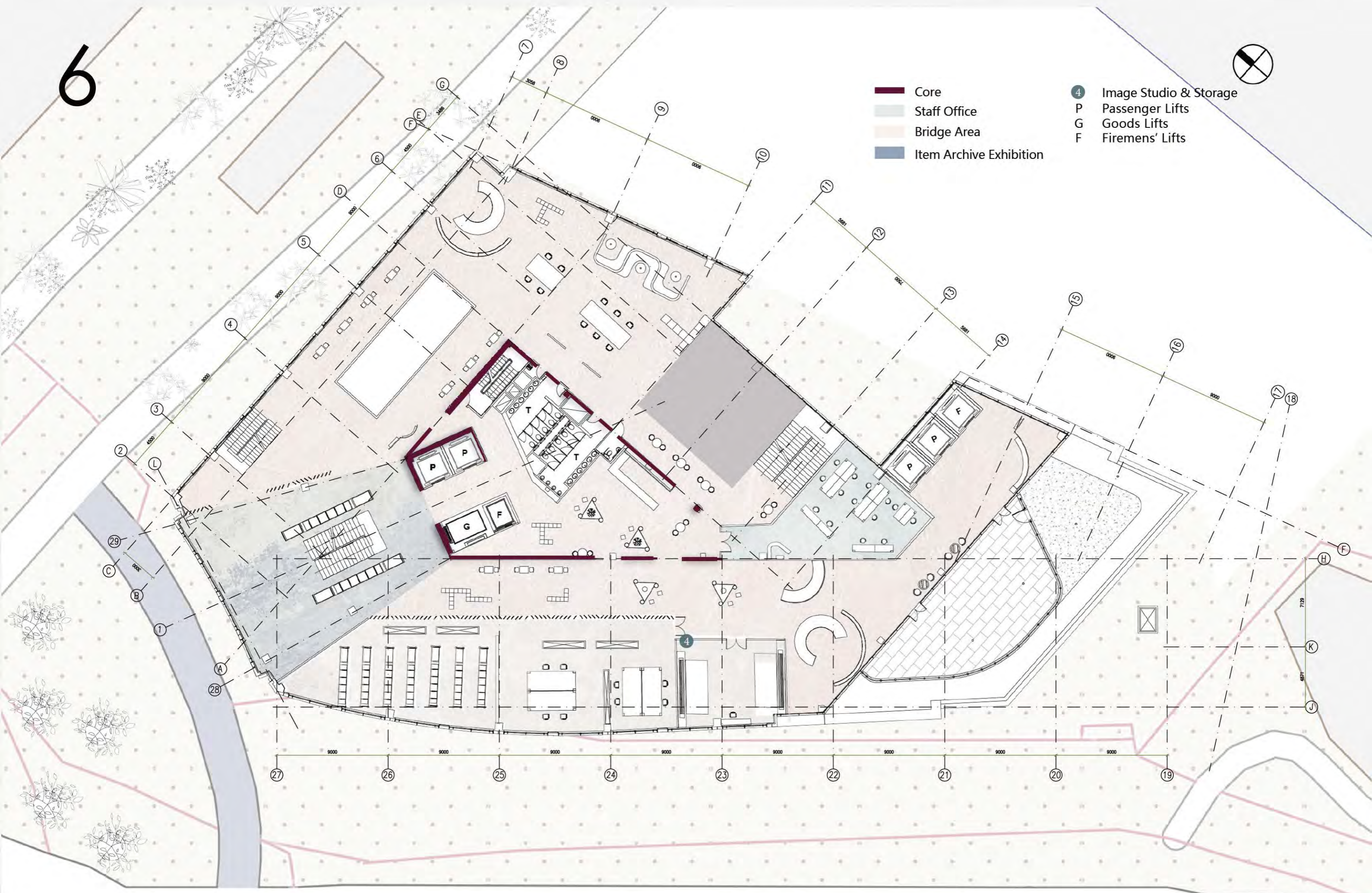


- Core
- Staff Office
- Bridge Area
- Item Archive Exhibition

- 4 Image Studio & Storage
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts



- Core
- Staff Office
- Bridge Area
- Item Archive Exhibition
- 4 Image Studio & Storage
- P Passenger Lifts
- G Goods Lifts
- F Firemens' Lifts





END