

KB
CAN BE!

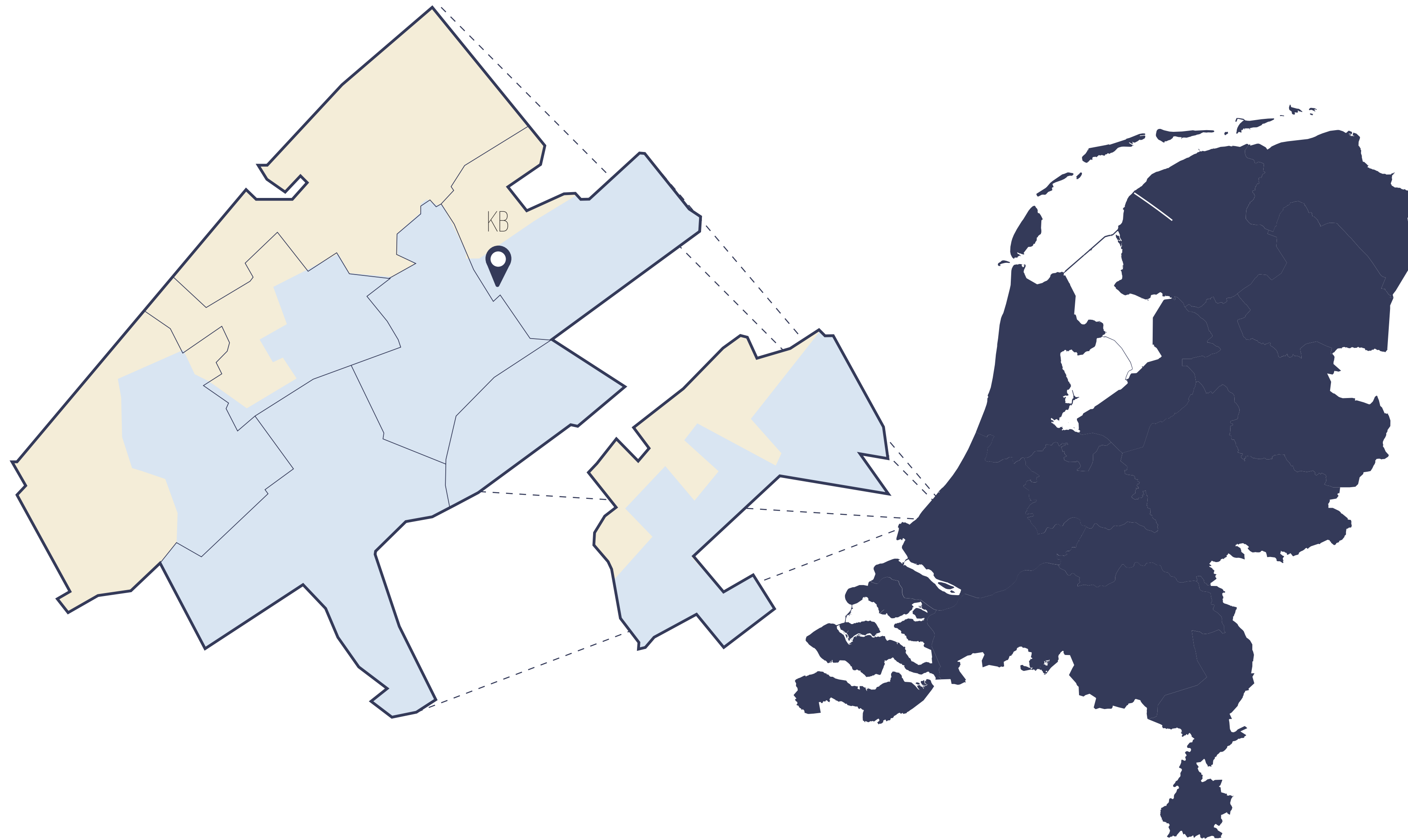
KB, CAN BE
16.01.2026

P5 Ava de Haan

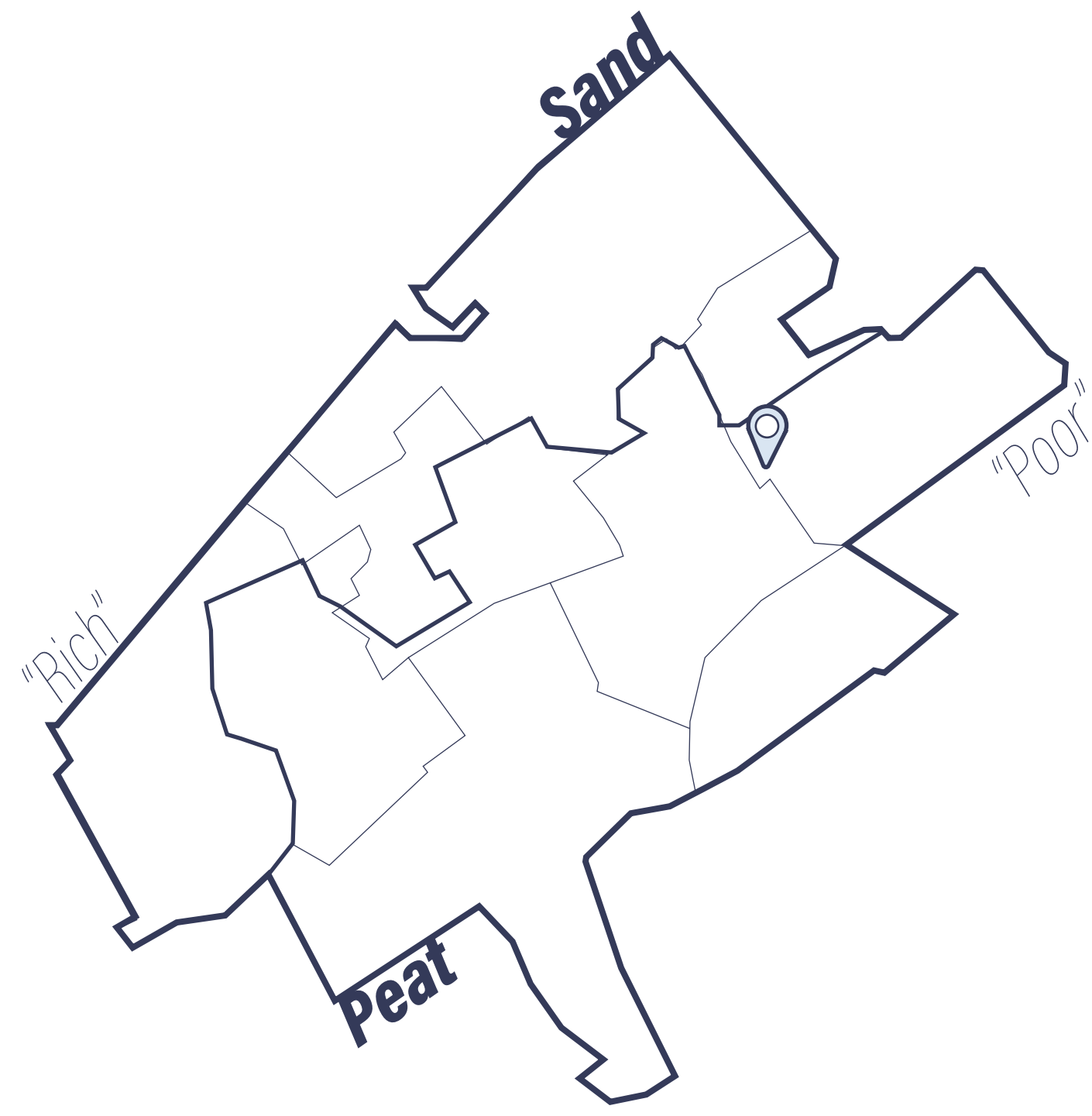


the KB

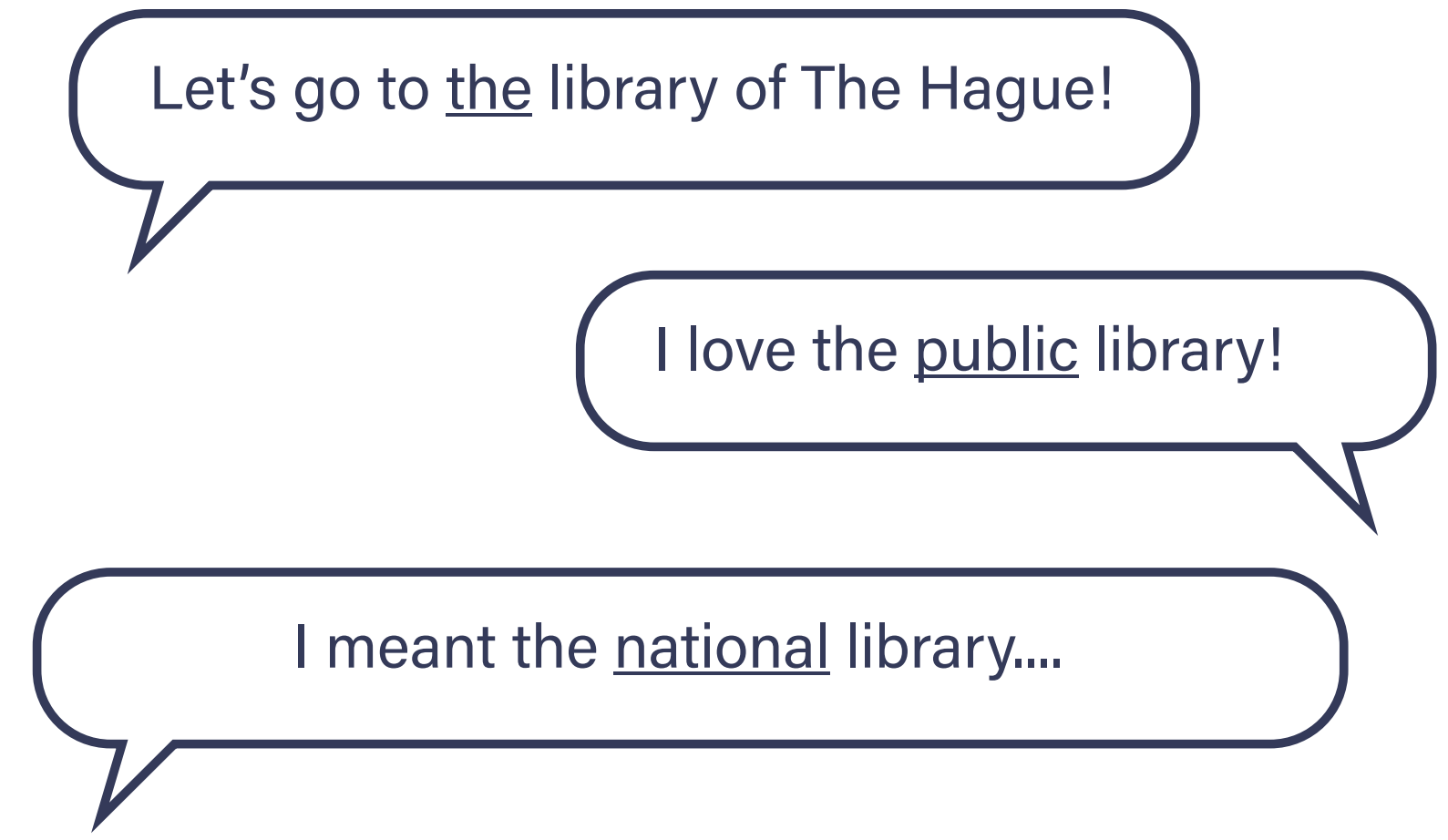
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the Hague



location in The Hague



KB as a UFO in The Hague

possibilities?



Image: KB-Beeldmateriaal

the past 1980 / archive

5 / 132

infrastructure!



forgotten main entrance

on the fringe of
the city

Image: Bezuidenhout.nl

the past 1980 / context

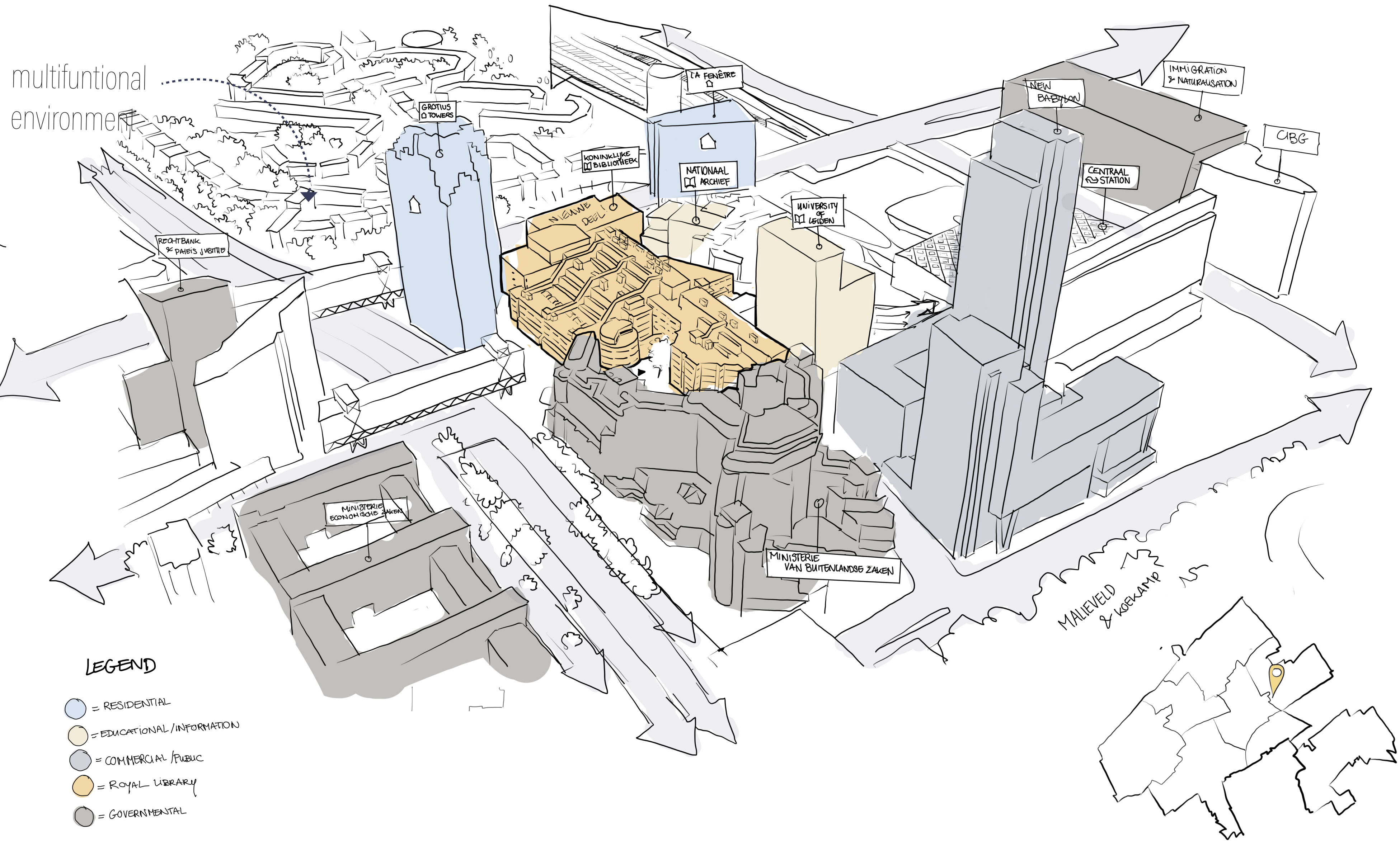
urbanly dense
environment



at the heart of
the city

Image: Google Earth

current / context



entrance adjustment

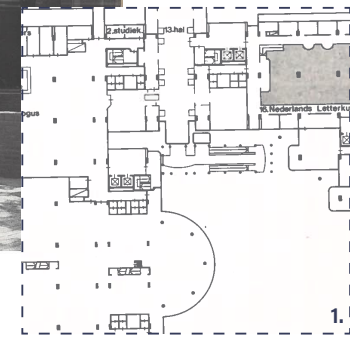
De Koninklijke
Bibliotheek



Routing to entrance



Entrance



Entrance now

Entrance addition & removal

Original entrance



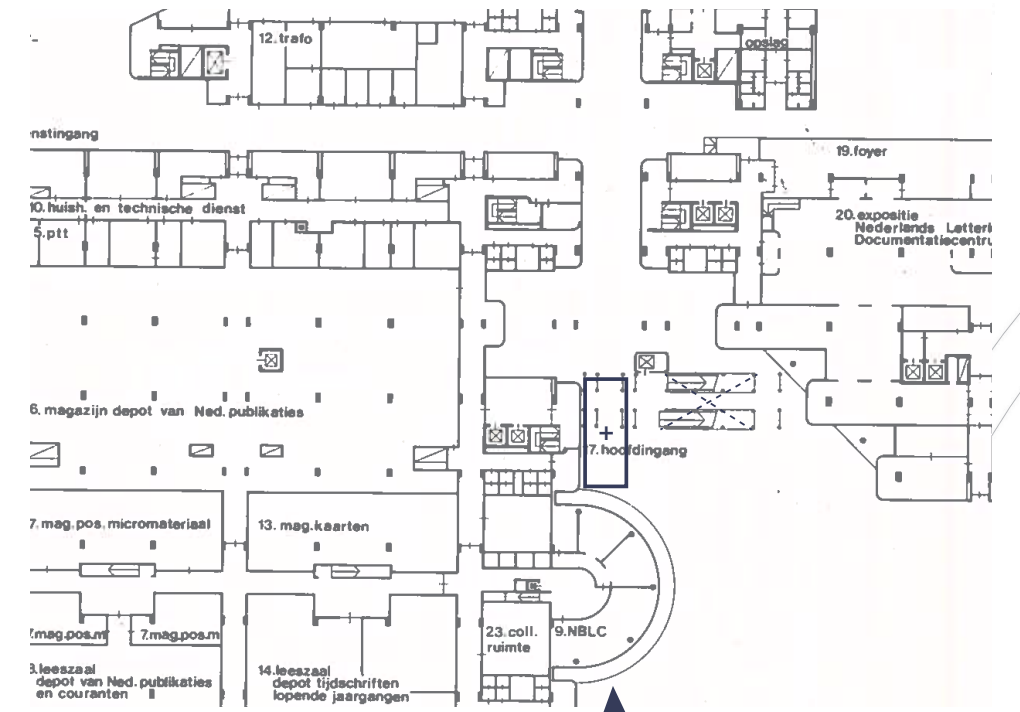
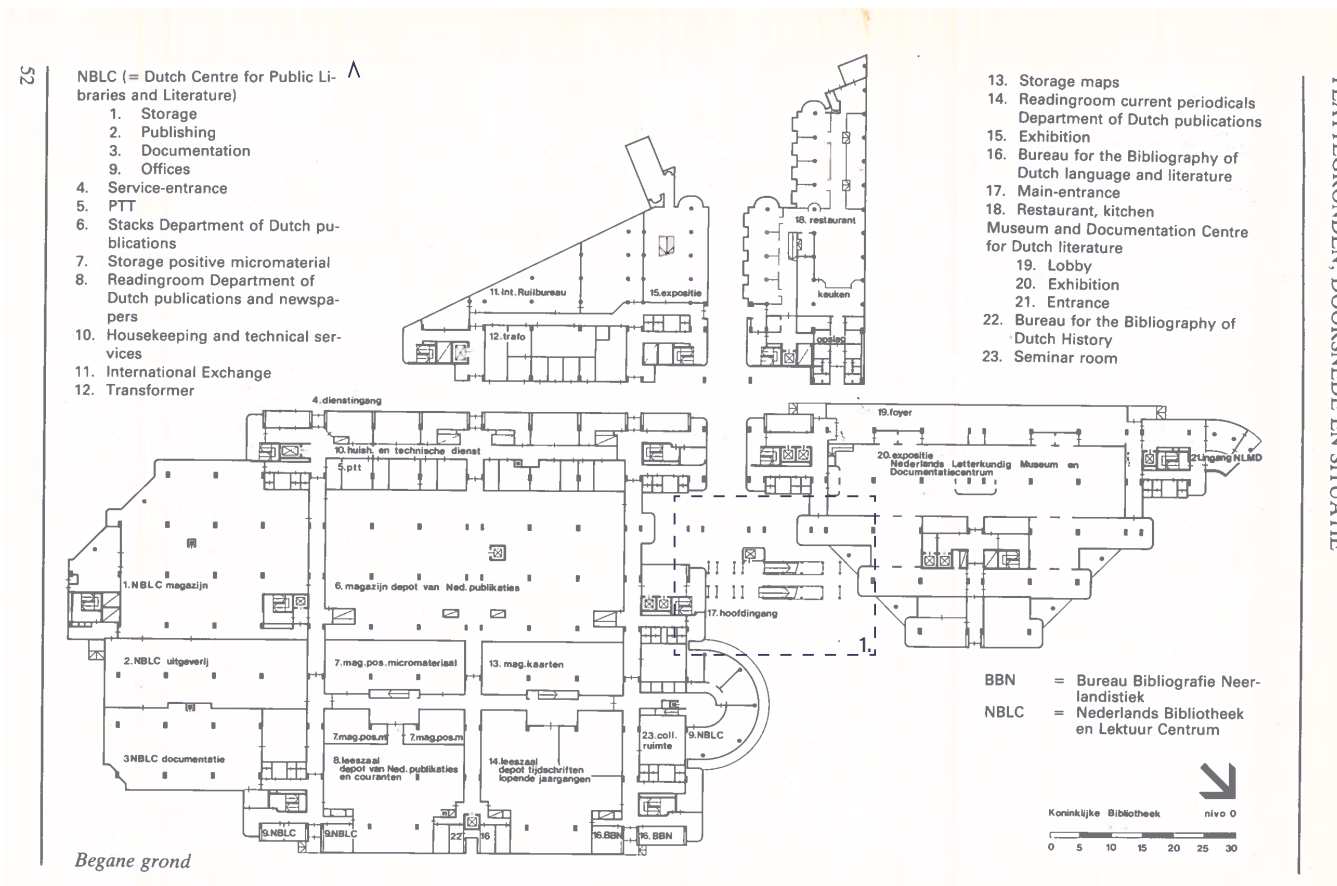
Addition



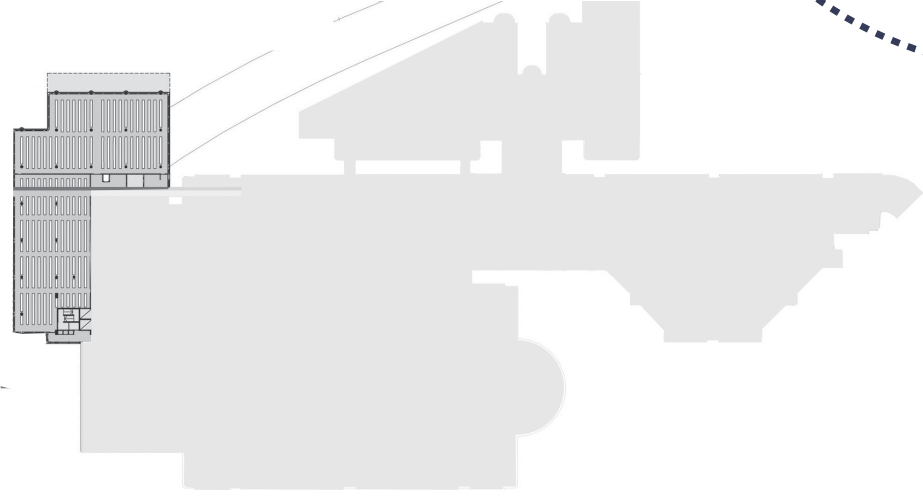
Facade piece



added archive



Addition and entrance



Added archive

little change over time

Dark & closed off!



Image: site visit



Image: Google maps

Uniform & dense!

disconnection with context

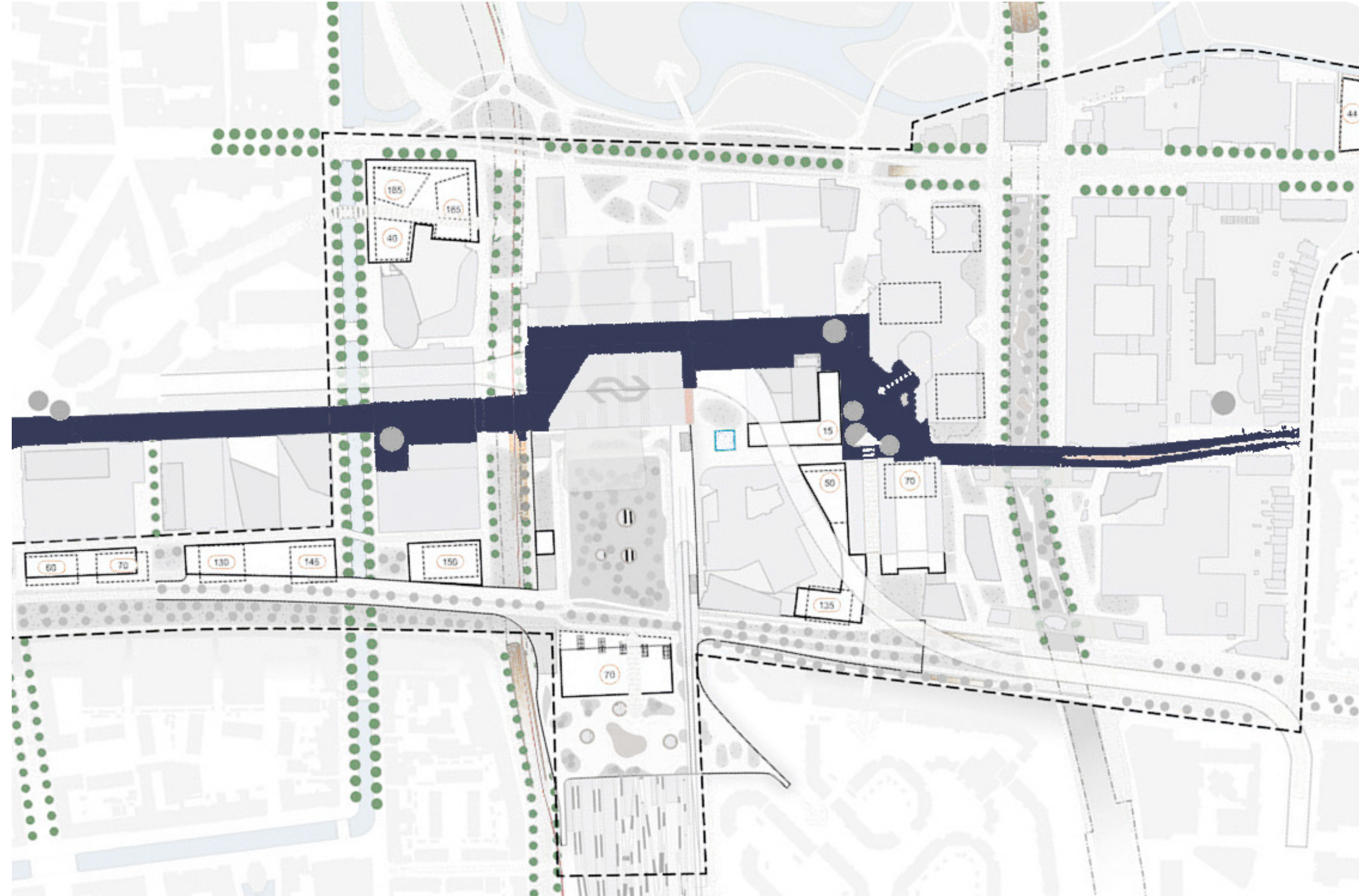


Image: Municipality of the Hague

● Haagse Loper

future design context

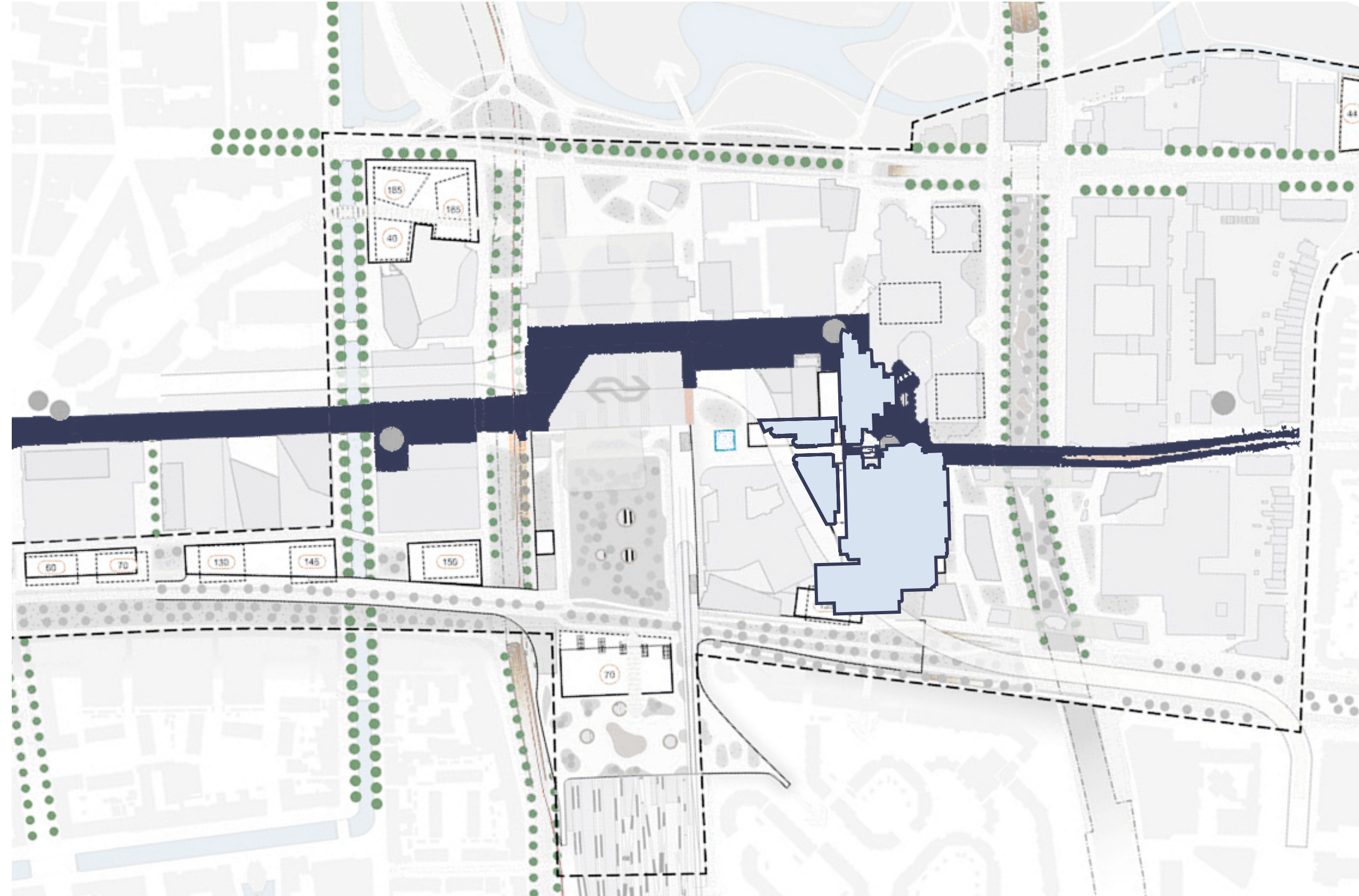
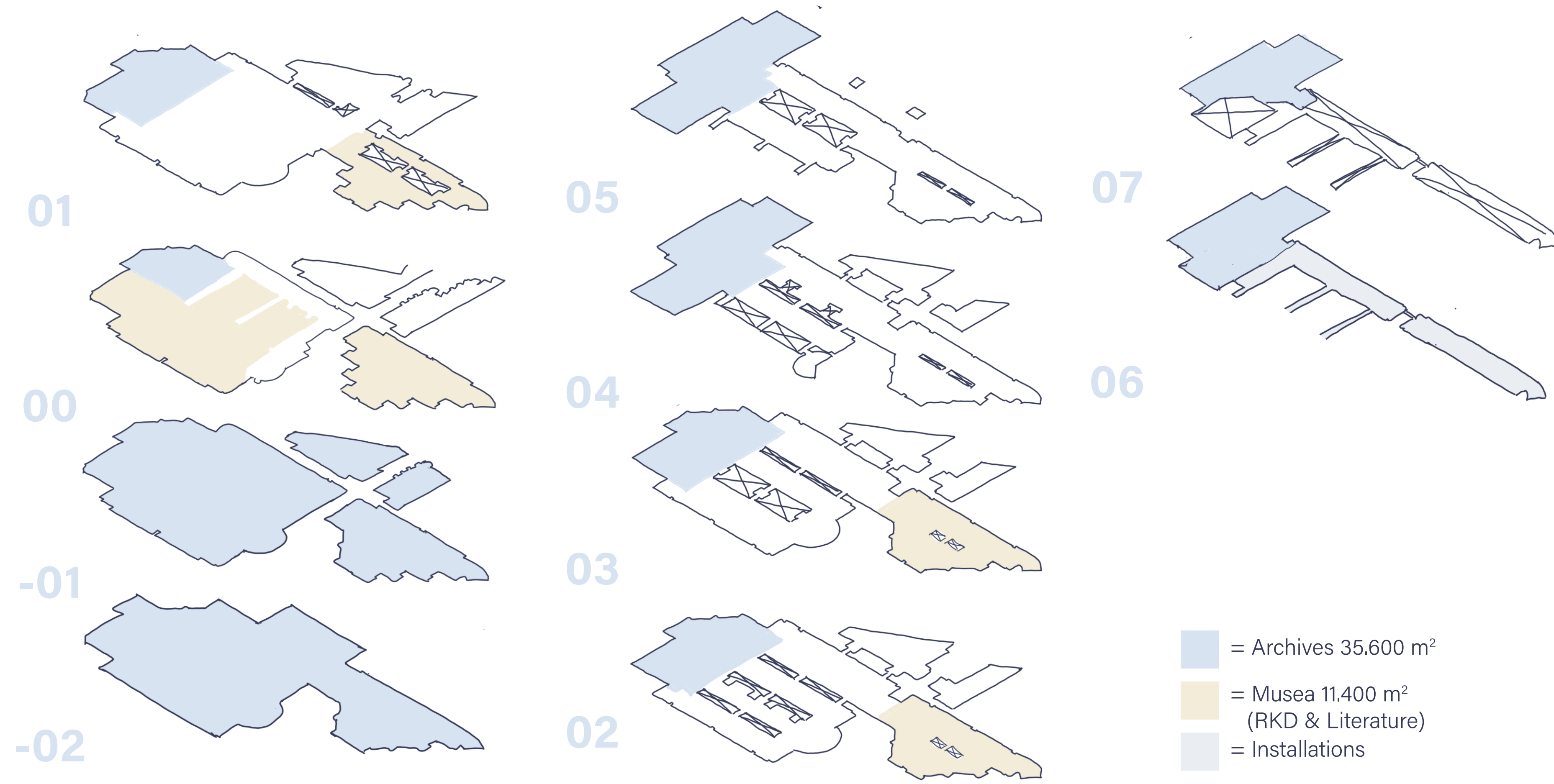


Image: Municipality of the Hague

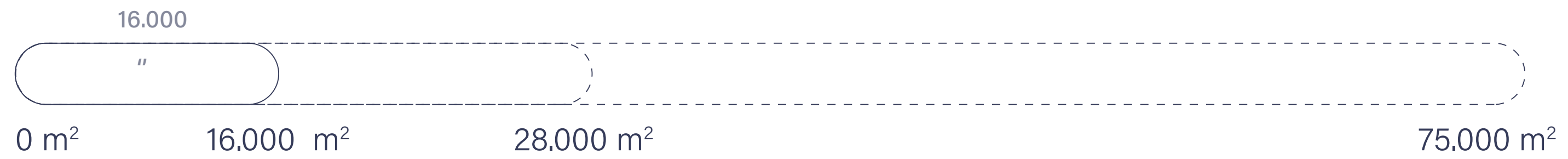
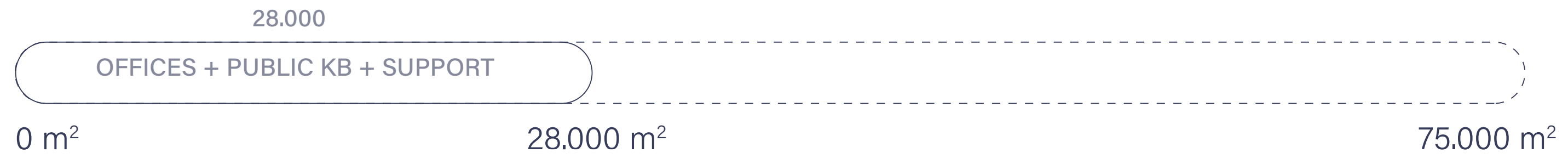
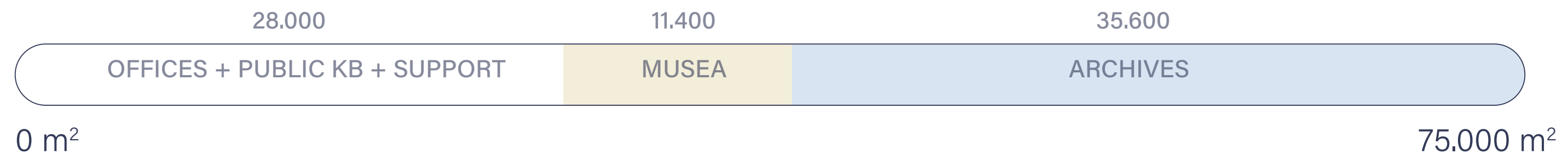
○ The KB

● Haagse Loper

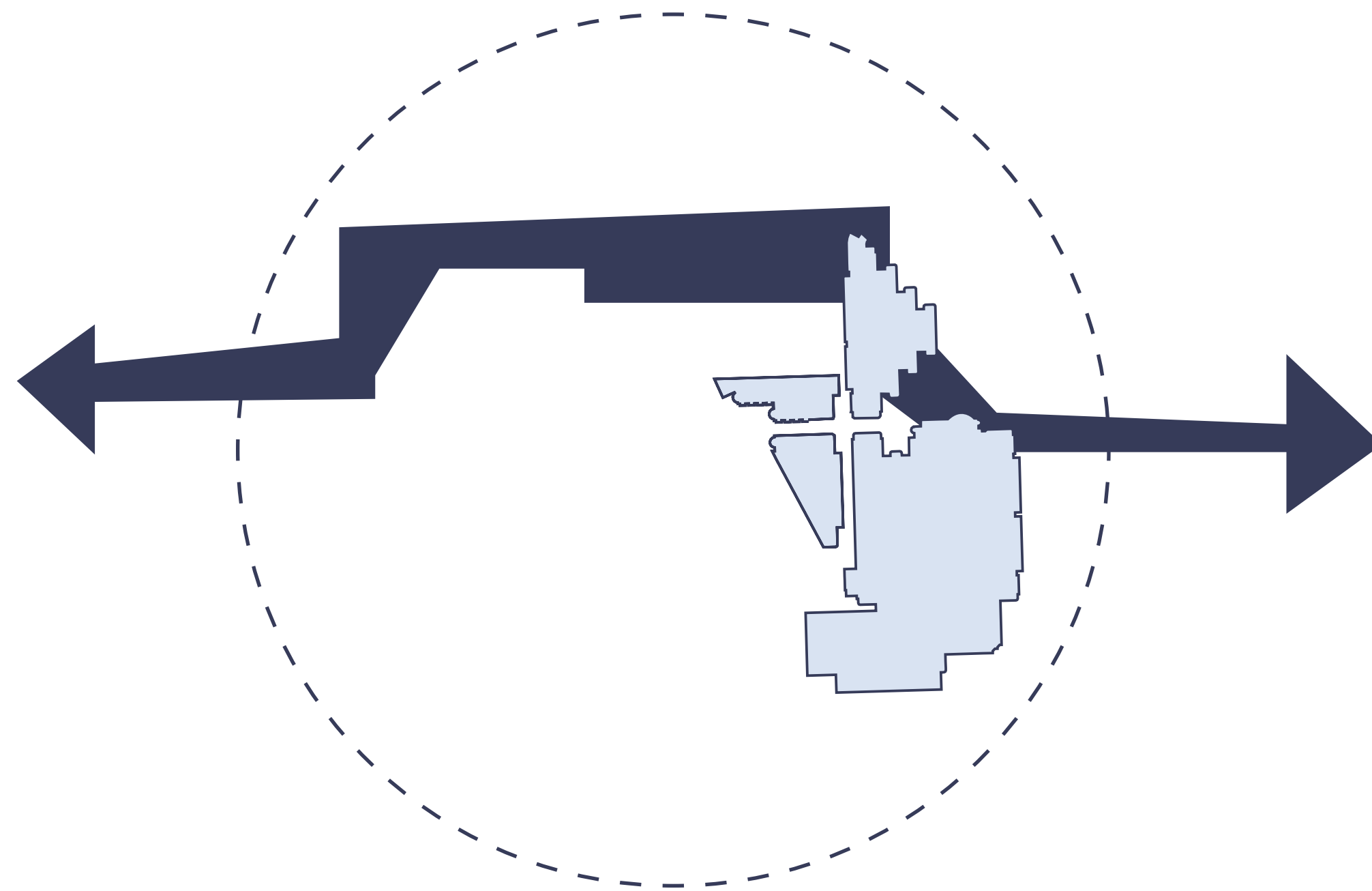
future design context



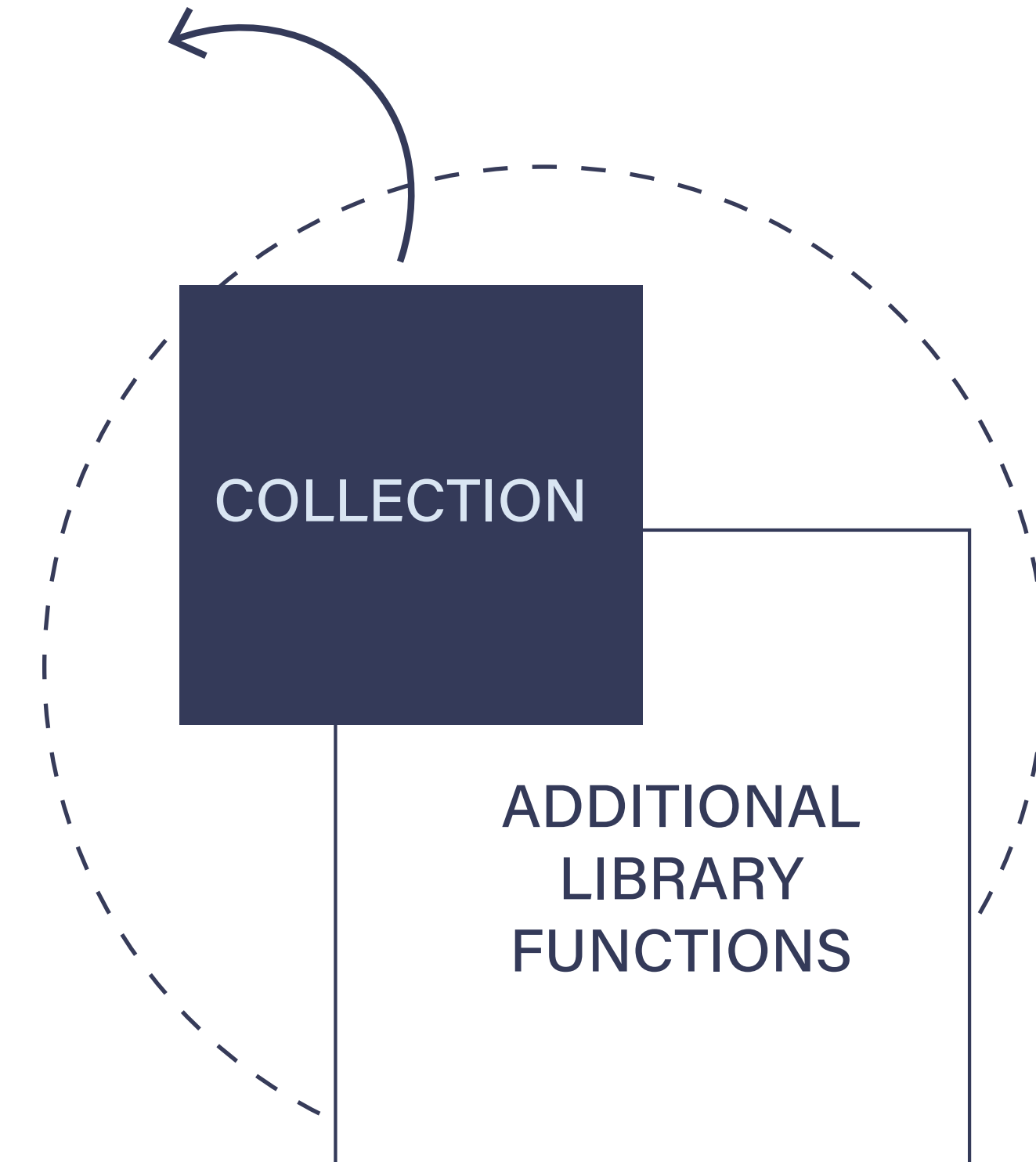
program decrease



program decrease

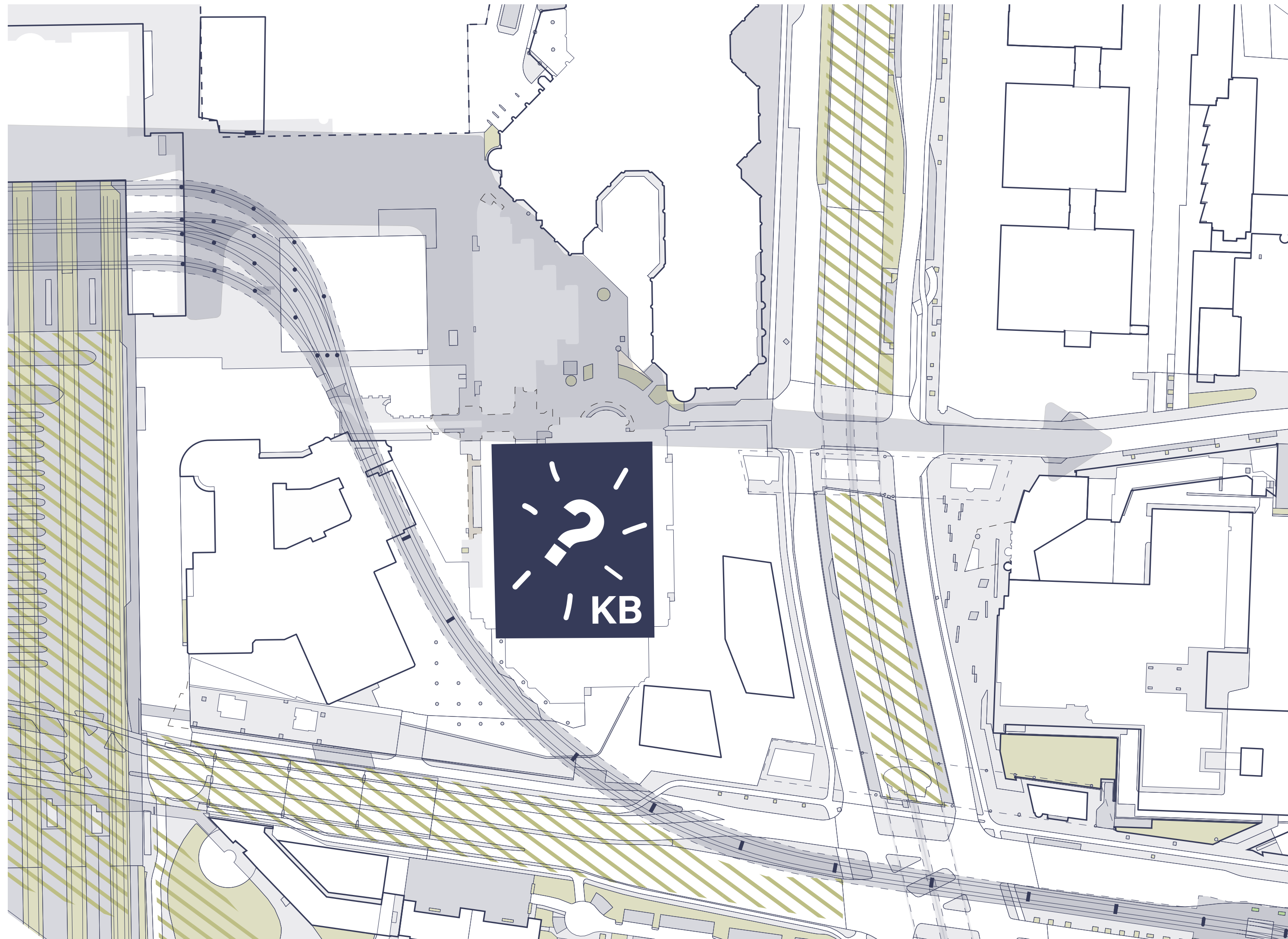


A changing **context**
introducing the Haagse Loper



the leaving **main function**
moving the repository off-site

clear need for redesign



current redesign proposal



sustainable development?

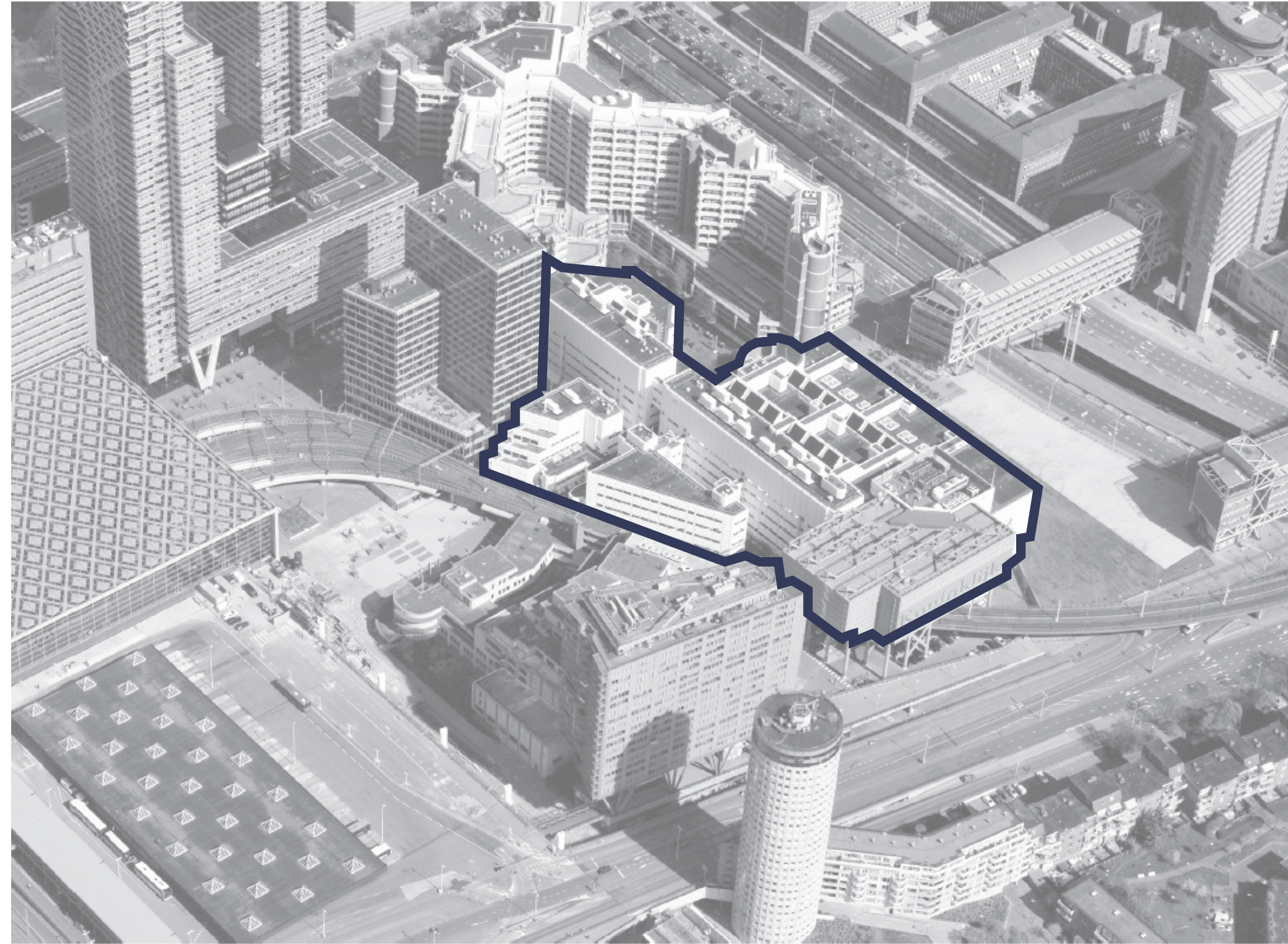


Image: Google Maps



design challenge / heritage

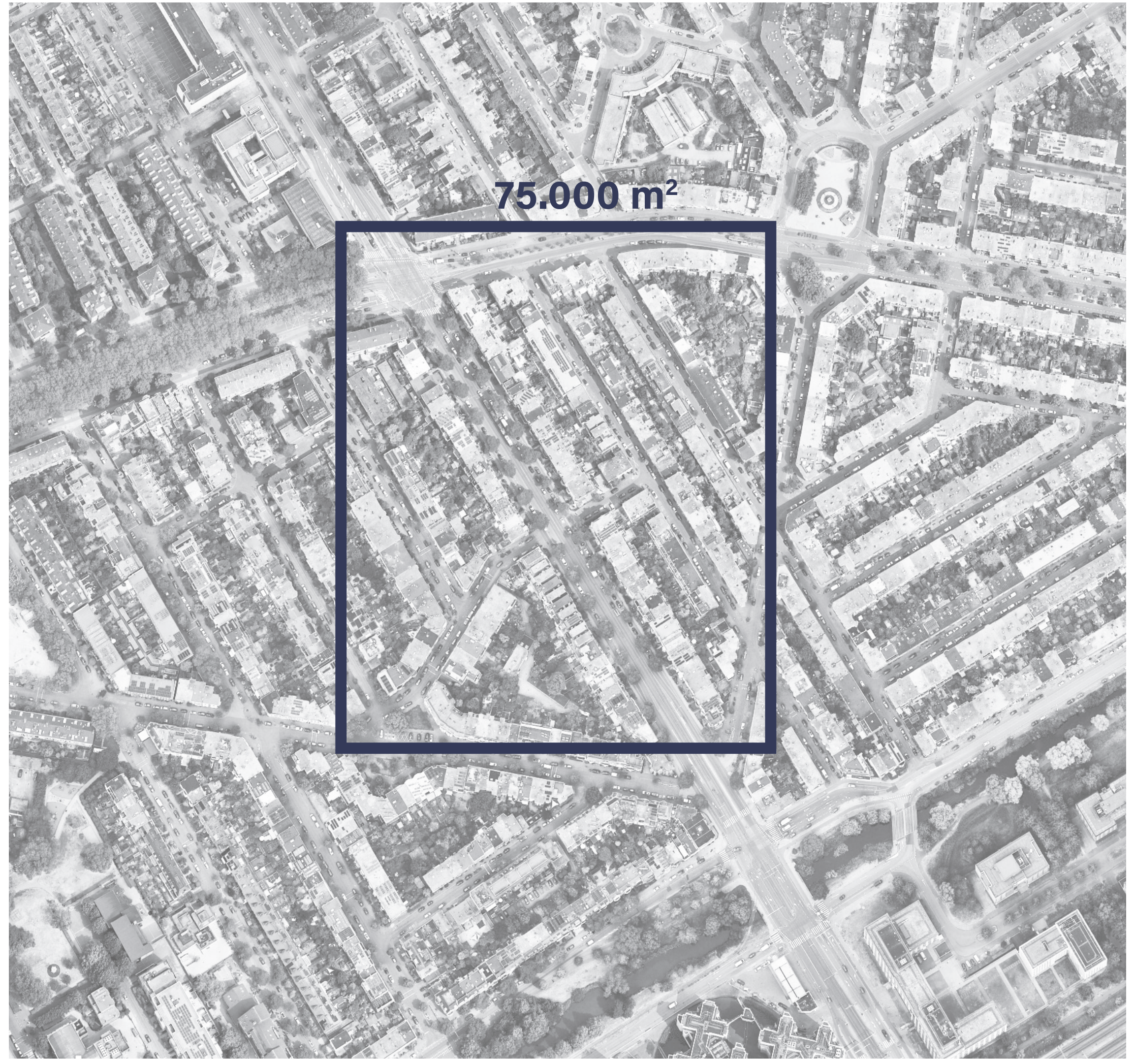
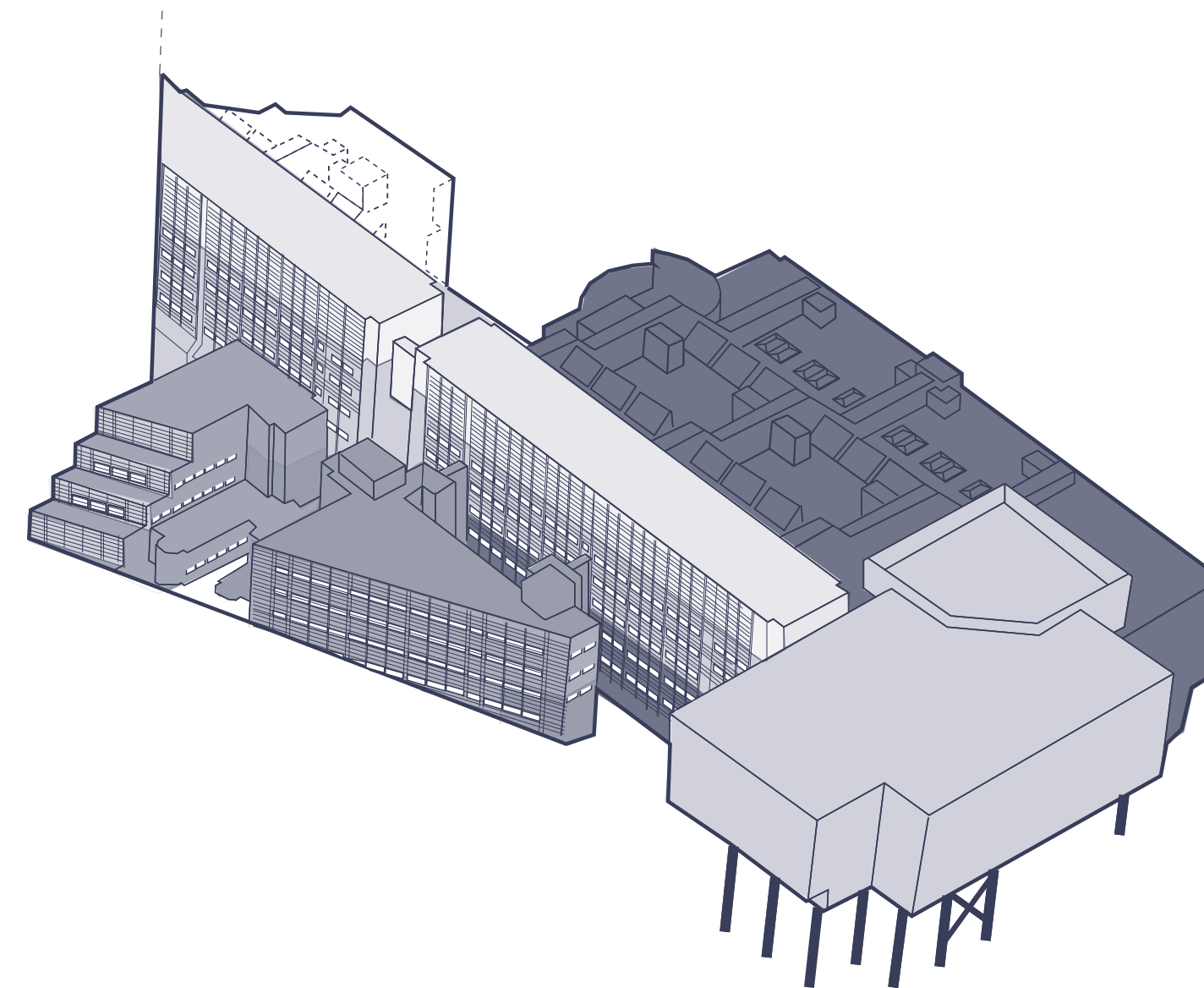


Image: Google Earth

impact of design

KB } nationale bibliotheek

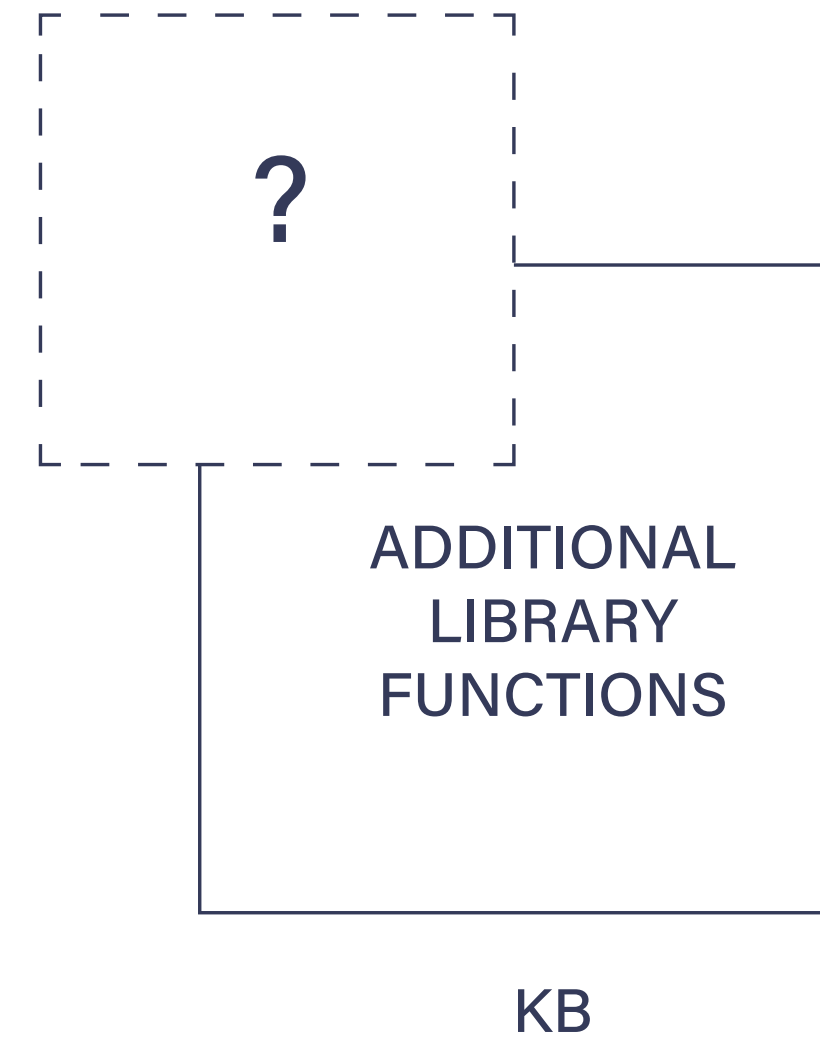
The **redefining** of the KB
researching the program



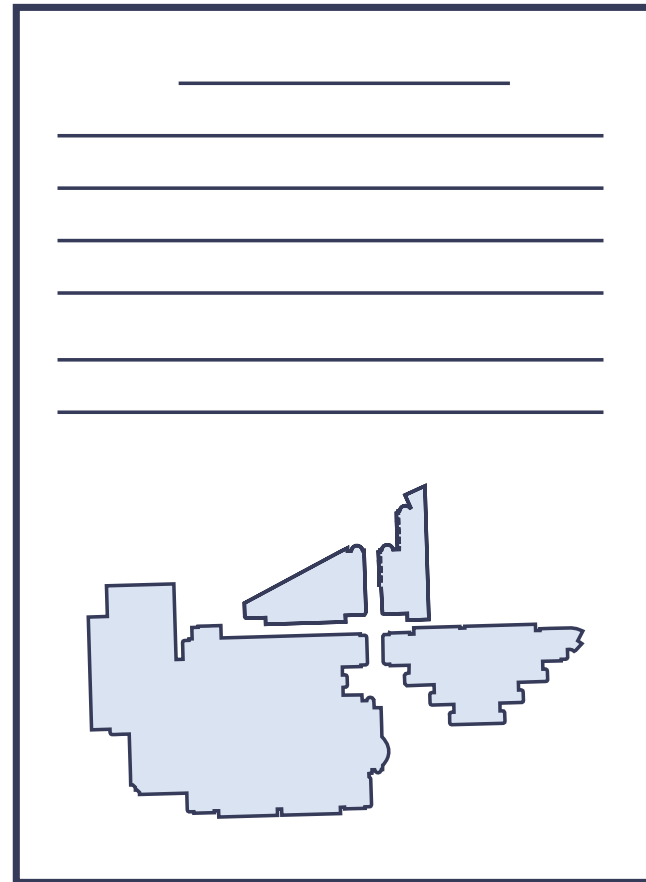
The **redesigning** of the KB
on the Prins Willem-Alexanderhof 5 in the Hague

KB } nationale
bibliotheek

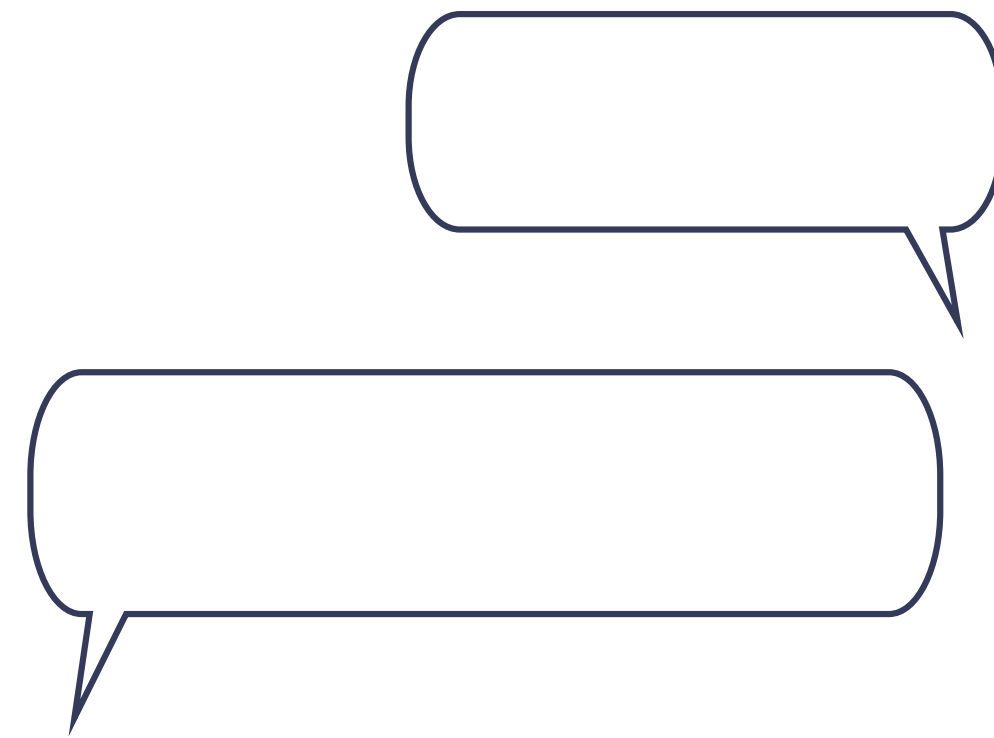
The **redefining** of the KB
researching the program



what is a library without books?



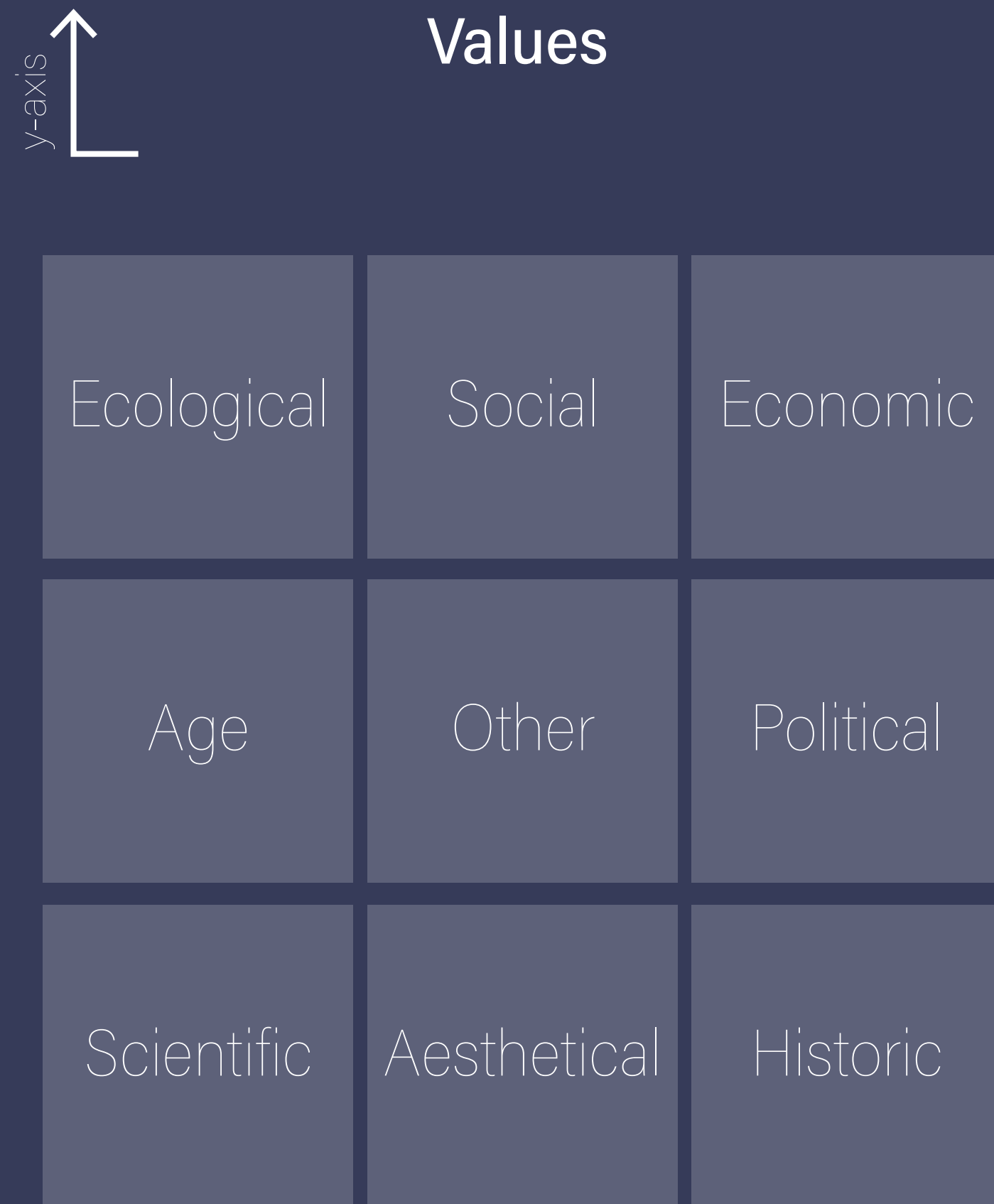
Value assessment
document analysis



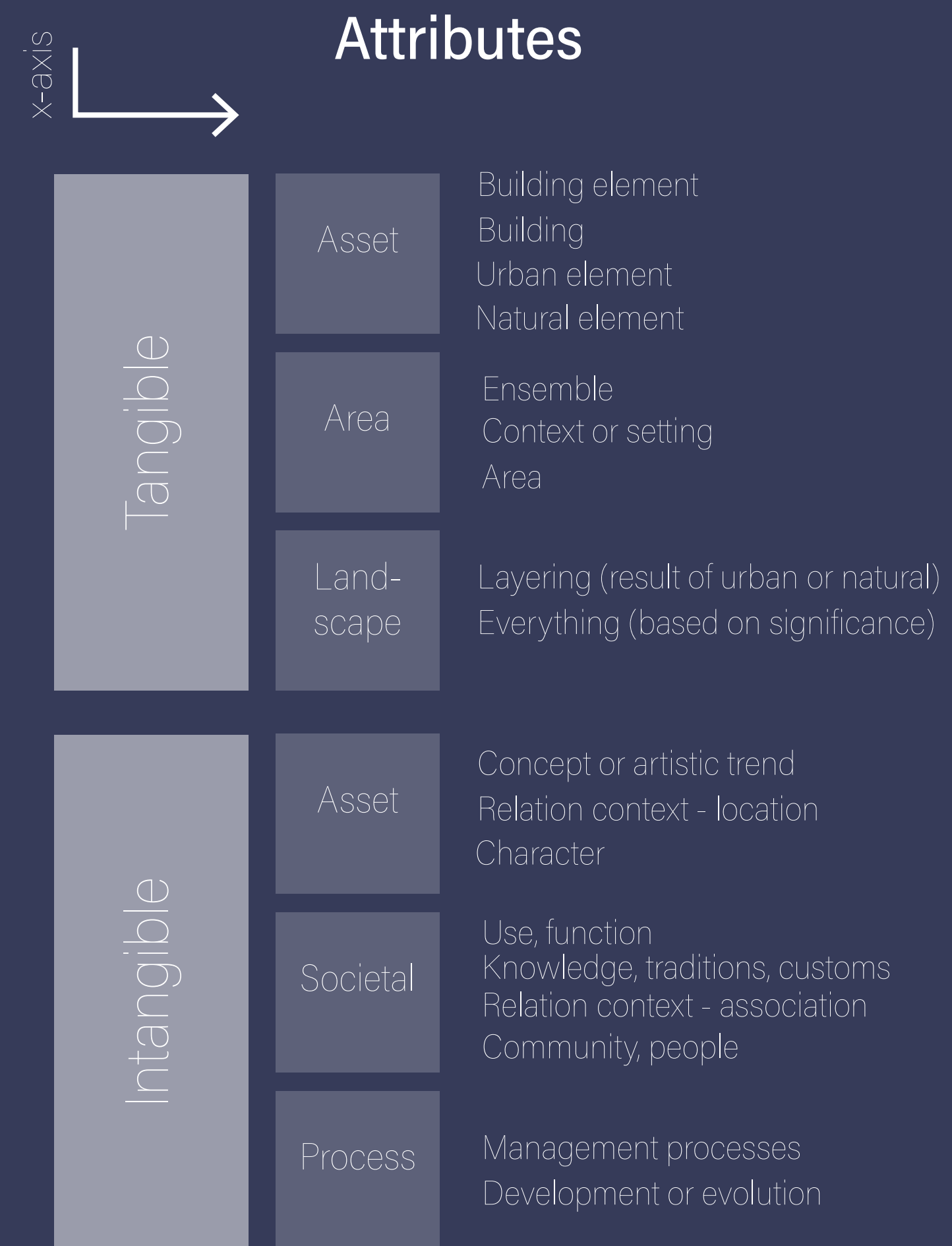
Vision
interview



Program
interview & case studies

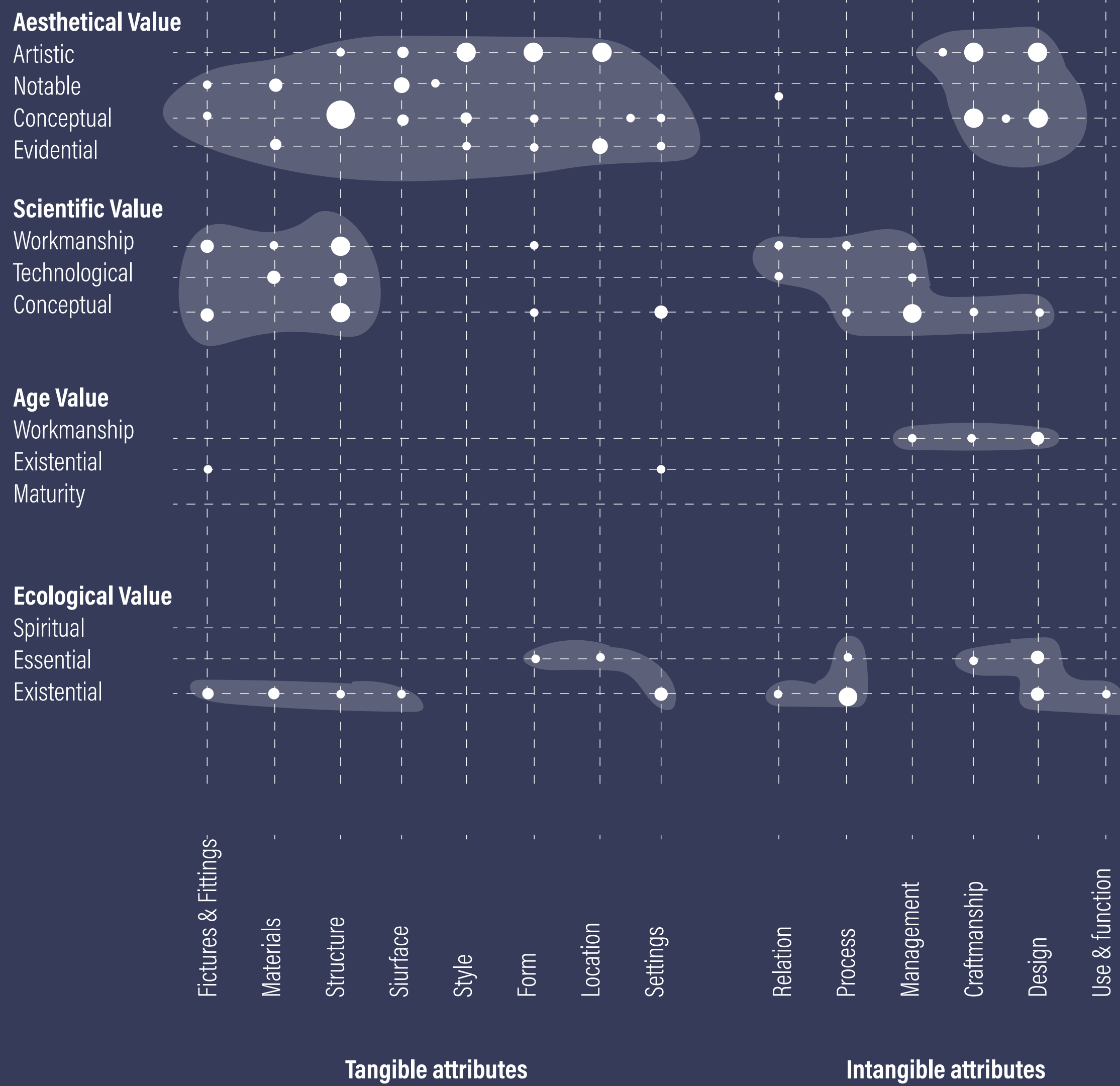
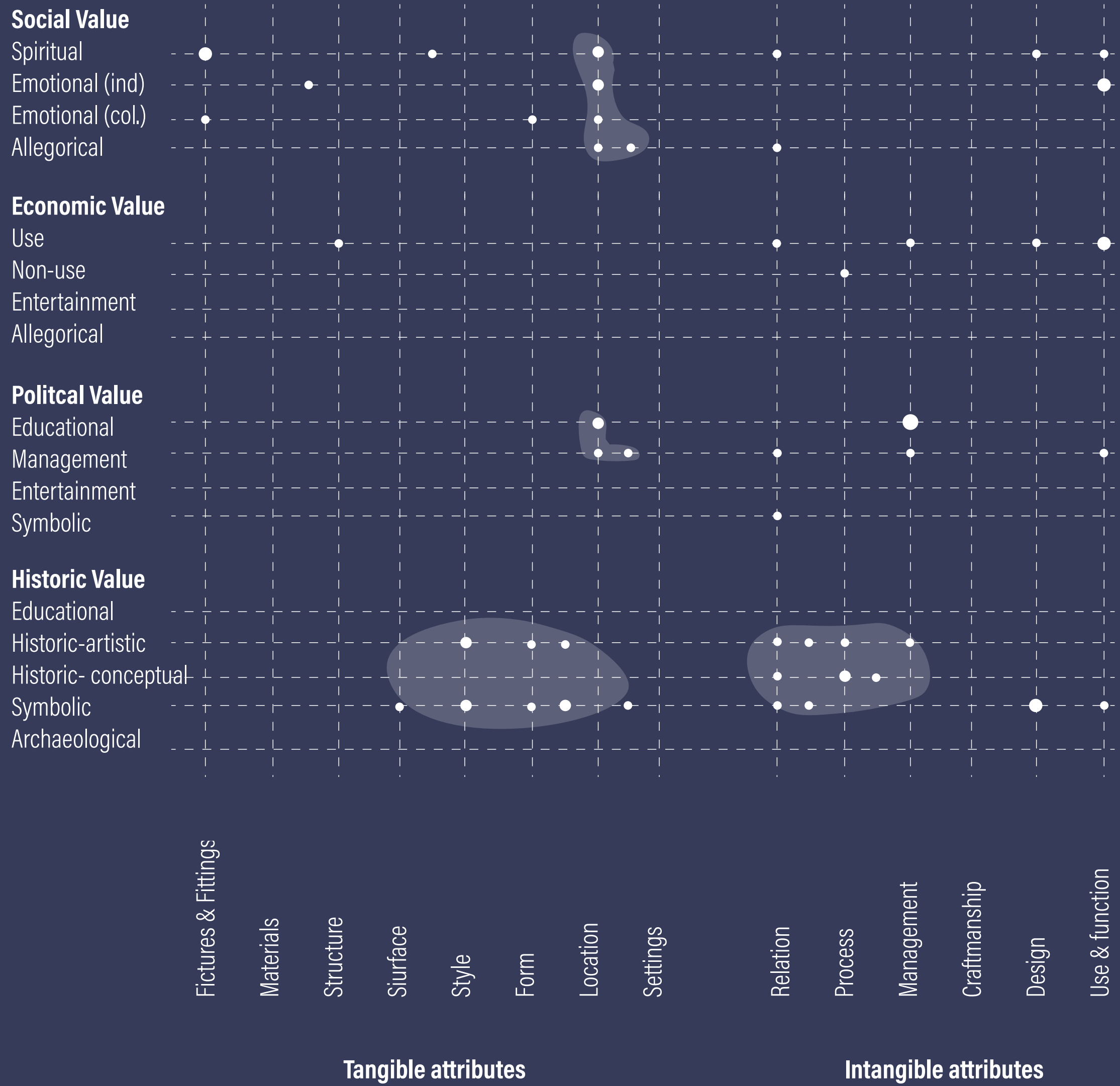


The values framework; Adopted from the workshop of Heritage & Design Minor – Architecture and Reuse module, Delft, (Pereira Roders et al., 2020)



Taxonomy of attributes, Adopted from Veldpaus (2015)

current KB / framework



current KB / analysis



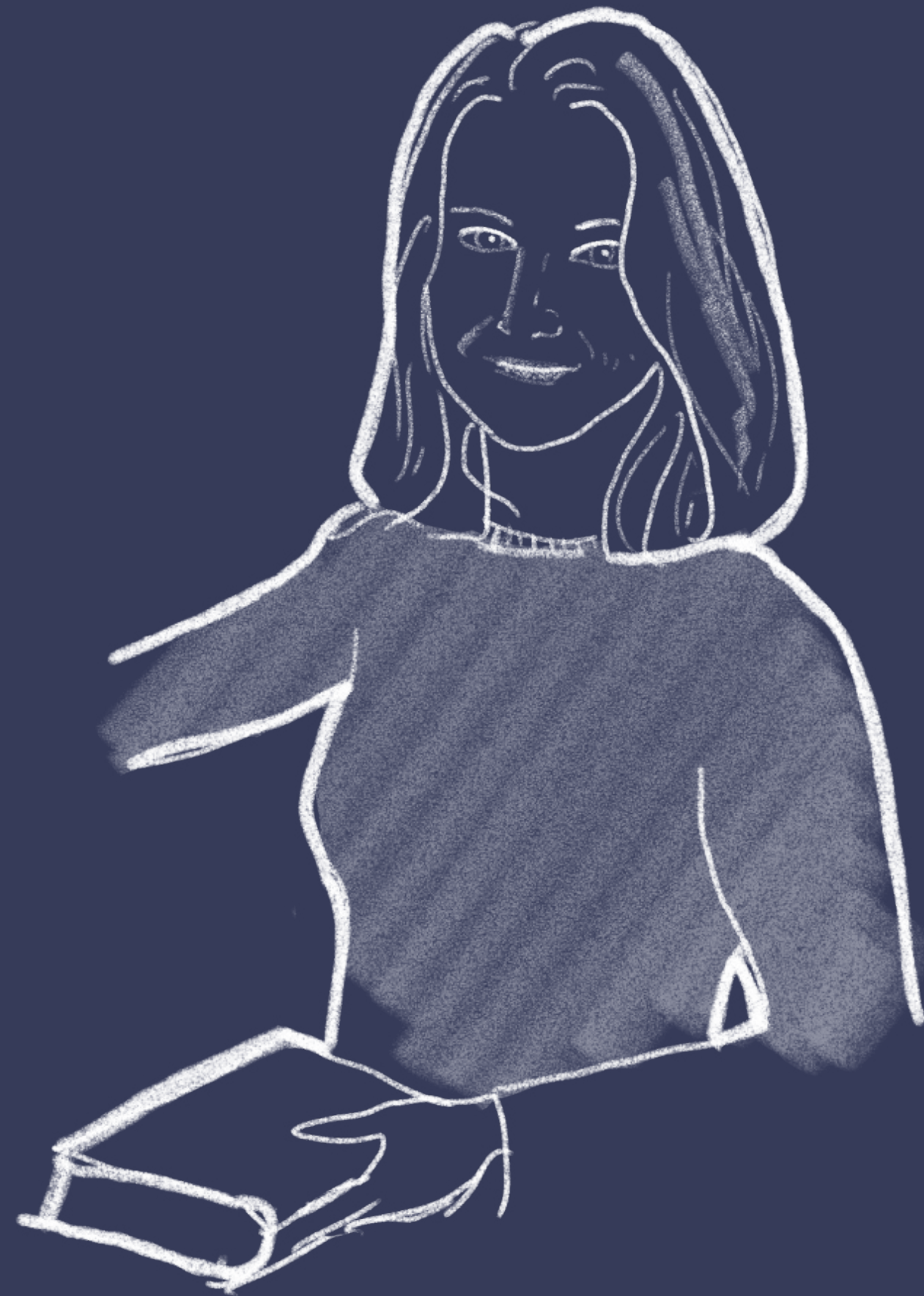
Lettering facade

Aluminum panels

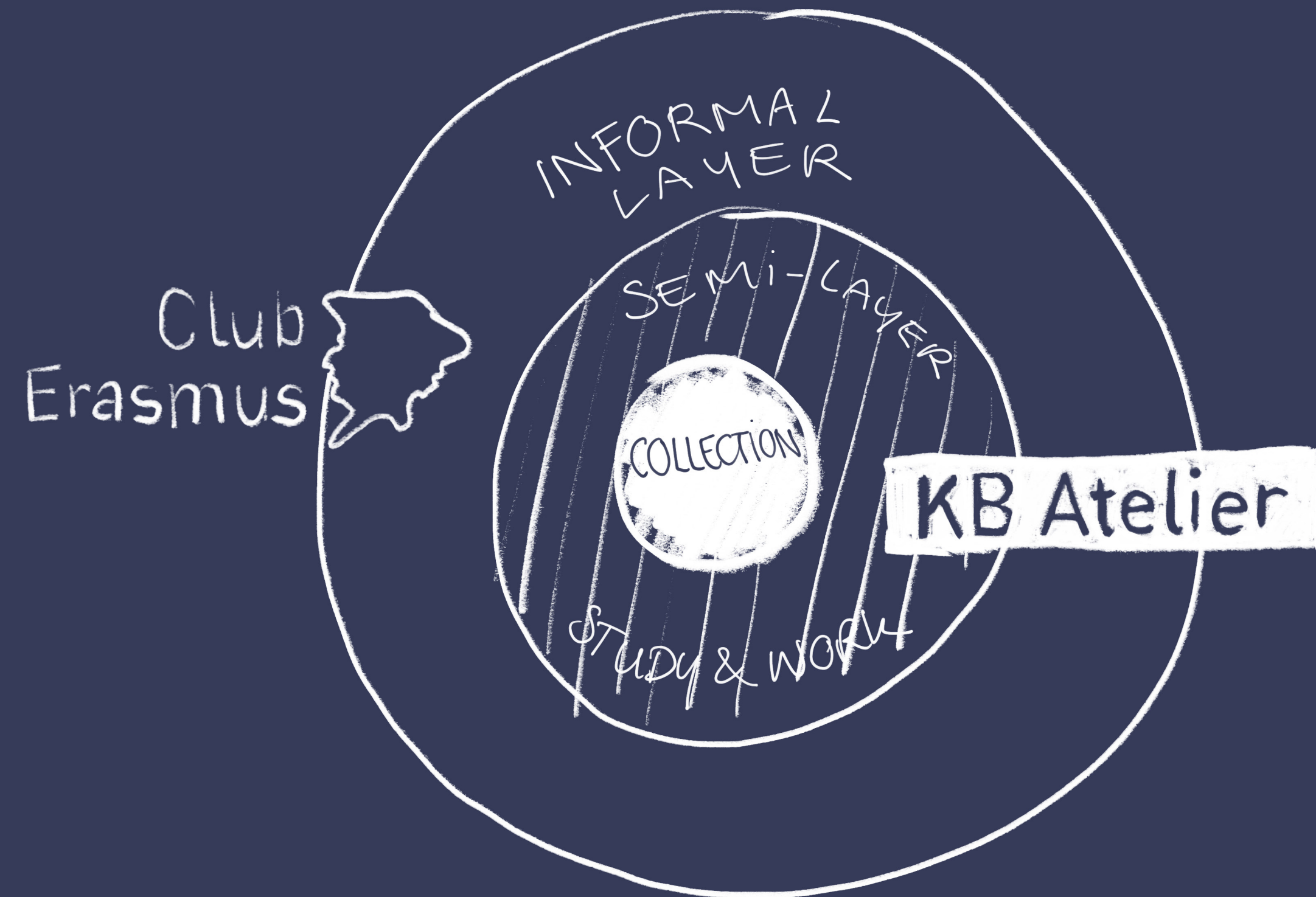
Voids

Erasmus statue

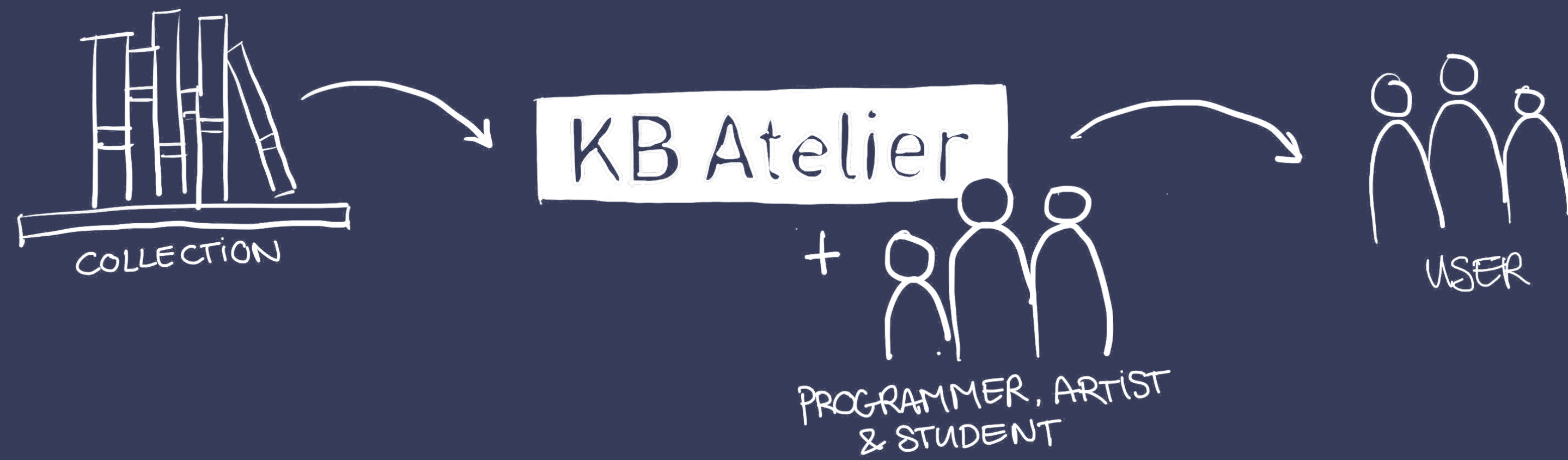
current KB / tangible attributes



“Everything we would like for the KB doesn’t fit with the current building, and that also has to do with **our societal role; we believe it needs to grow.**”



“We are here for everyone;
the heritage belongs to everyone, and this must be visible.”



vision / KBAtelier



Image: Reflect 2.0 Project, future libraries

KB atelier / Reflect 2.0



Maak memes en ontdek de middeleeuwen

Kies je plaatje

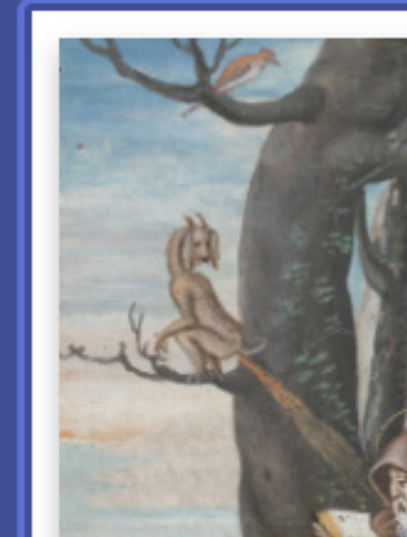
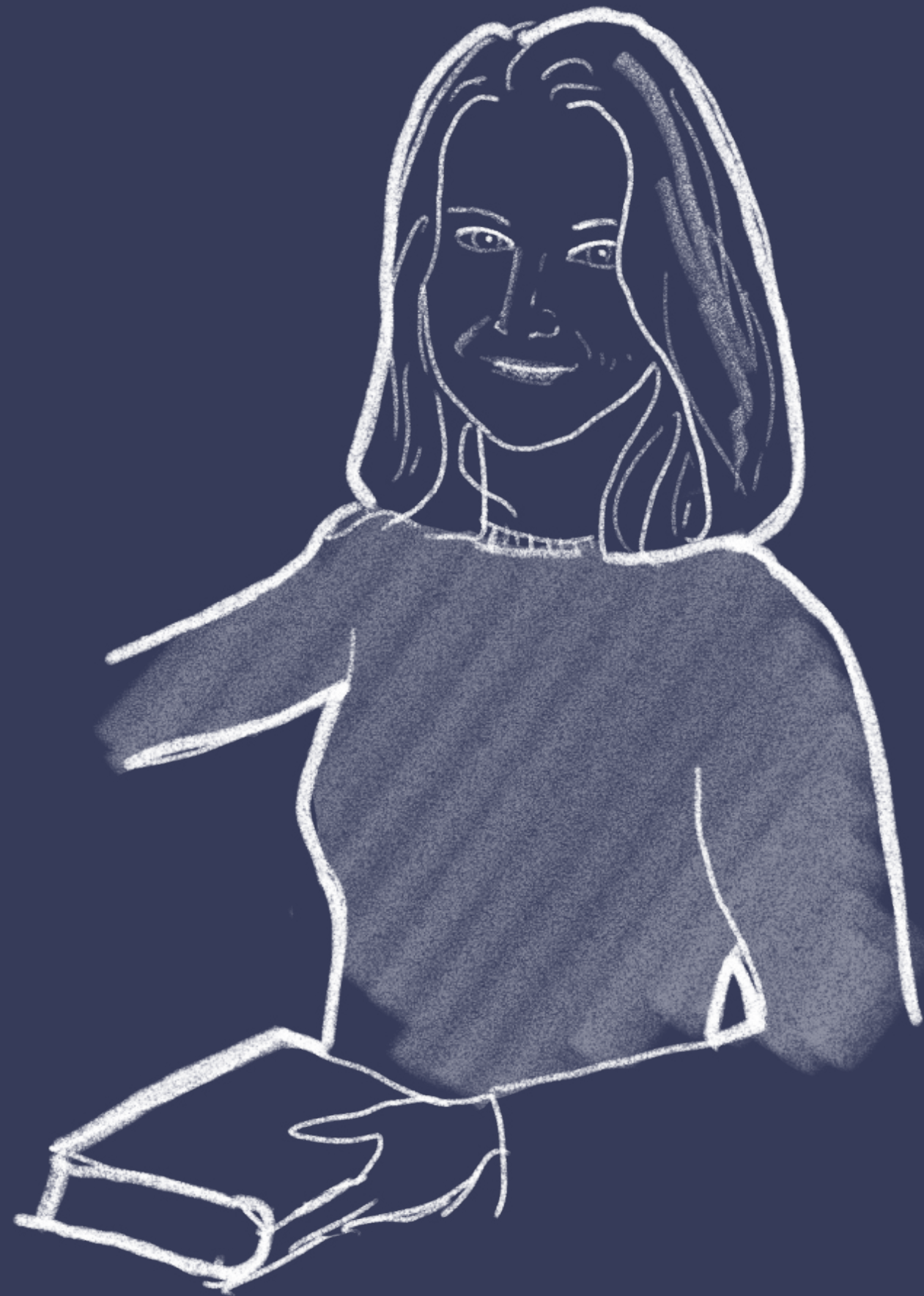


Image: <https://www.medievalmemes.nl/>



“Translated from **a vision** rather
than from **a need.**”



*Image: DOK Library Visual Arts Studio
dok.info*

making solution / makerspaces



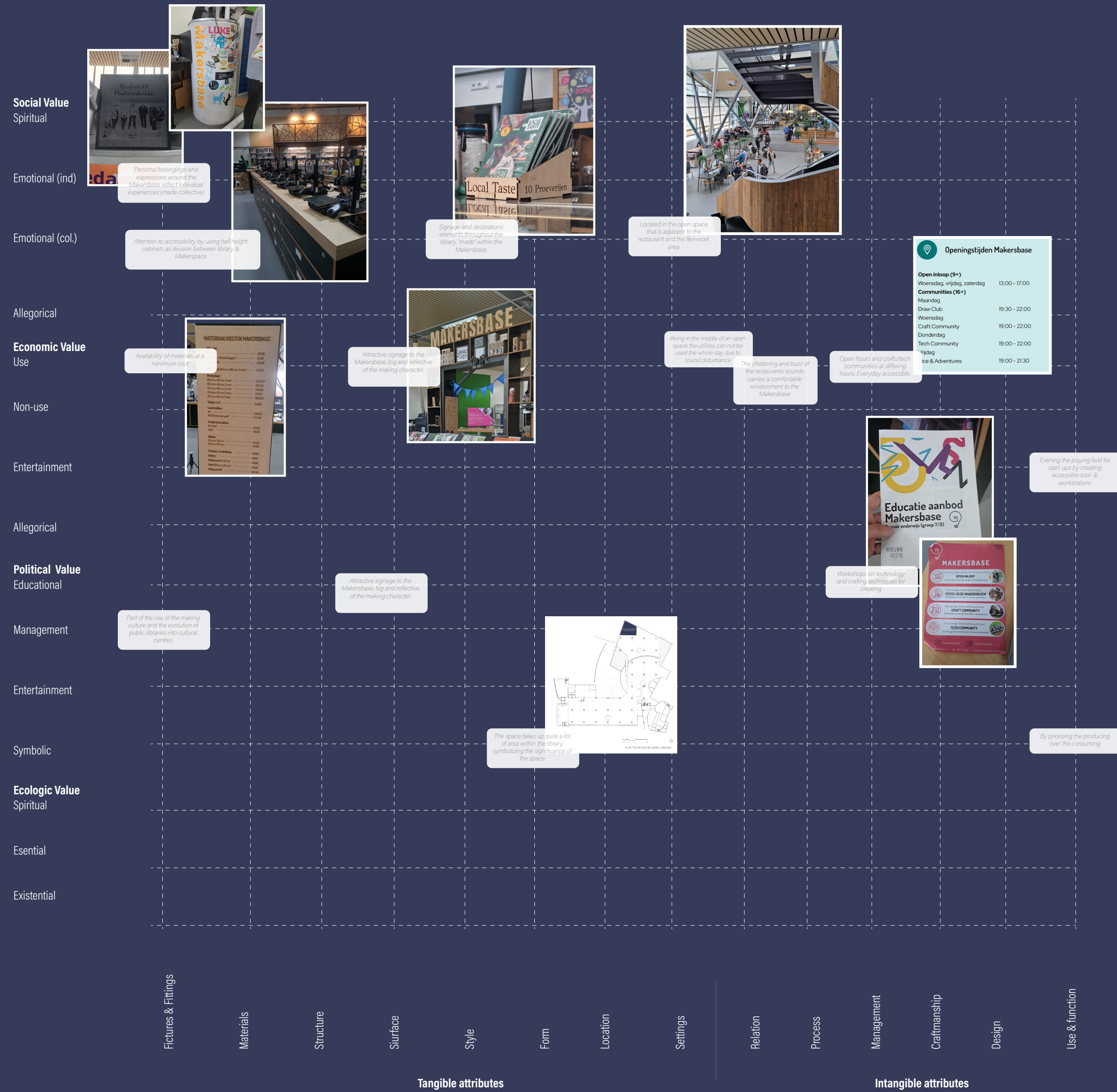
Nieuwe Veste Breda

Image: site visit

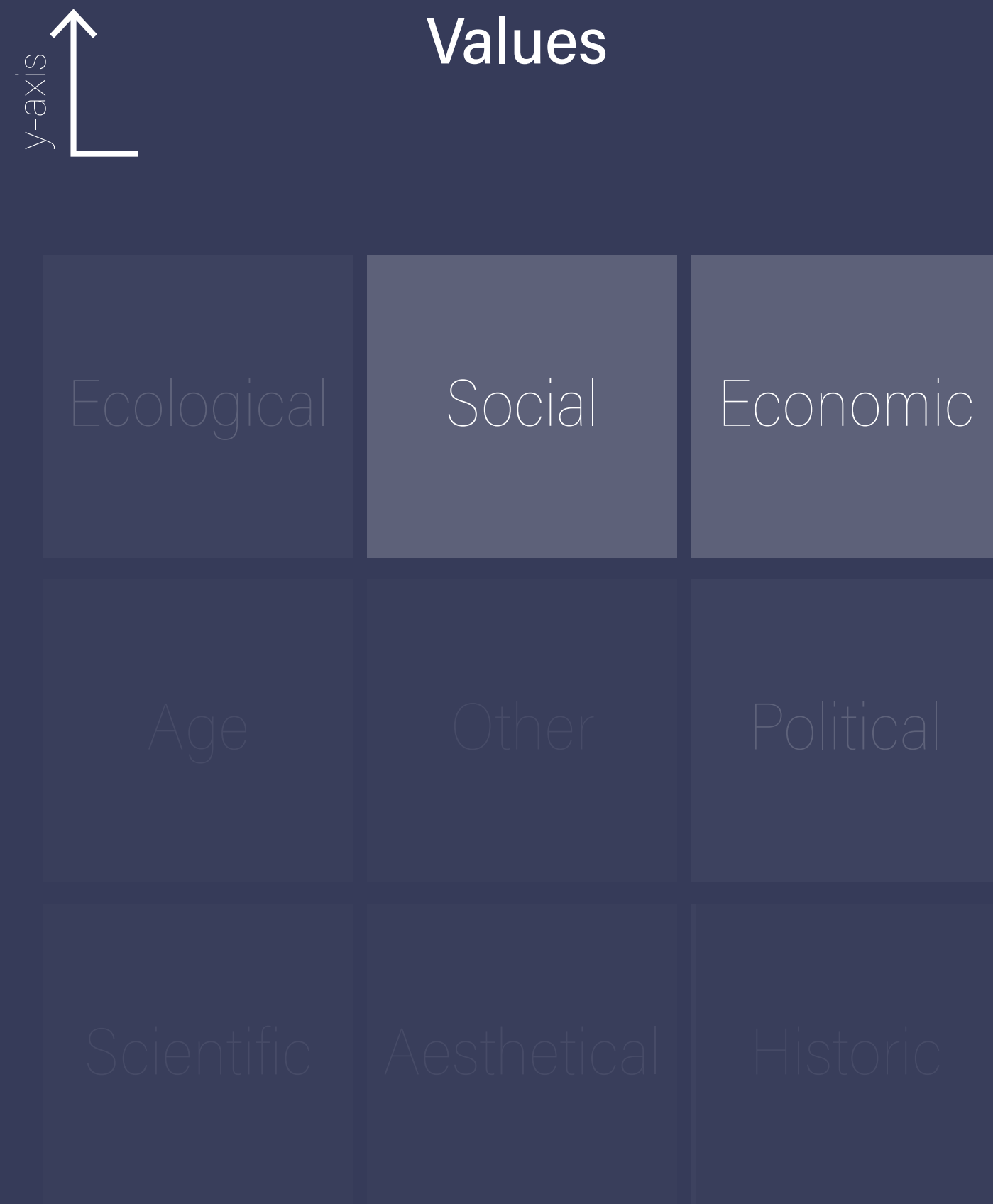


DOK Library Delft

Image: DOKarchitecten.nl



making solution / analysis



The values framework; Adopted from the workshop of Heritage & Design Minor – Architecture and Reuse module, Delft, (Pereira Roders et al., 2020)



Taxonomy of attributes, Adopted from Veldpaus (2015)

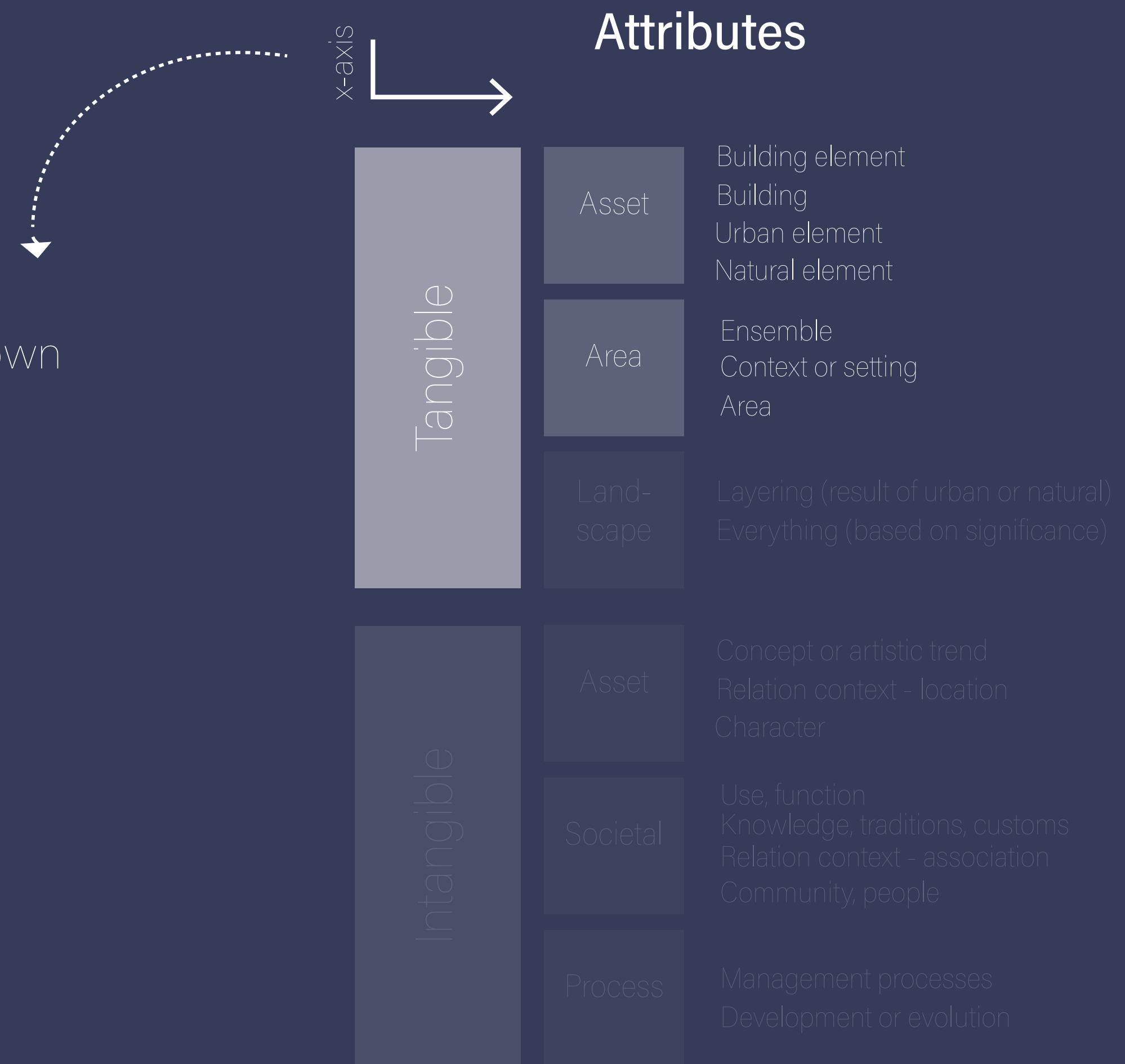
making solution / results

designated space with signage to be visible and known

lockable space to safeguard the projects

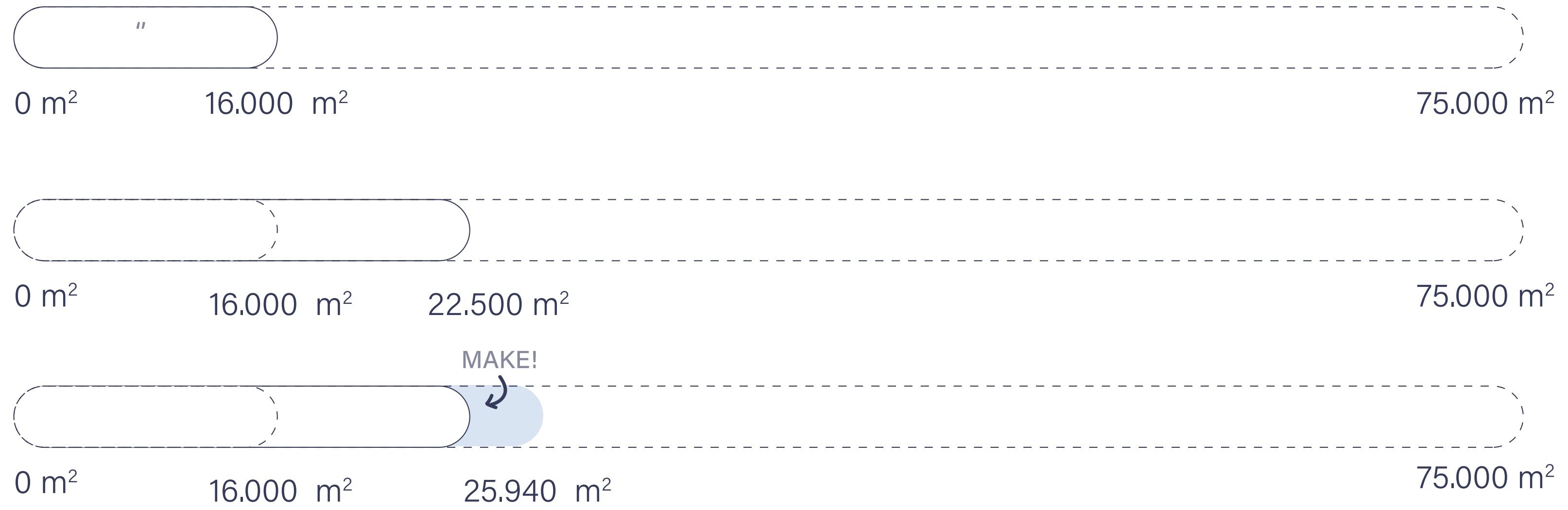
space for interfaces and exhibitions to create opportunities for longer lasting projects

storage space

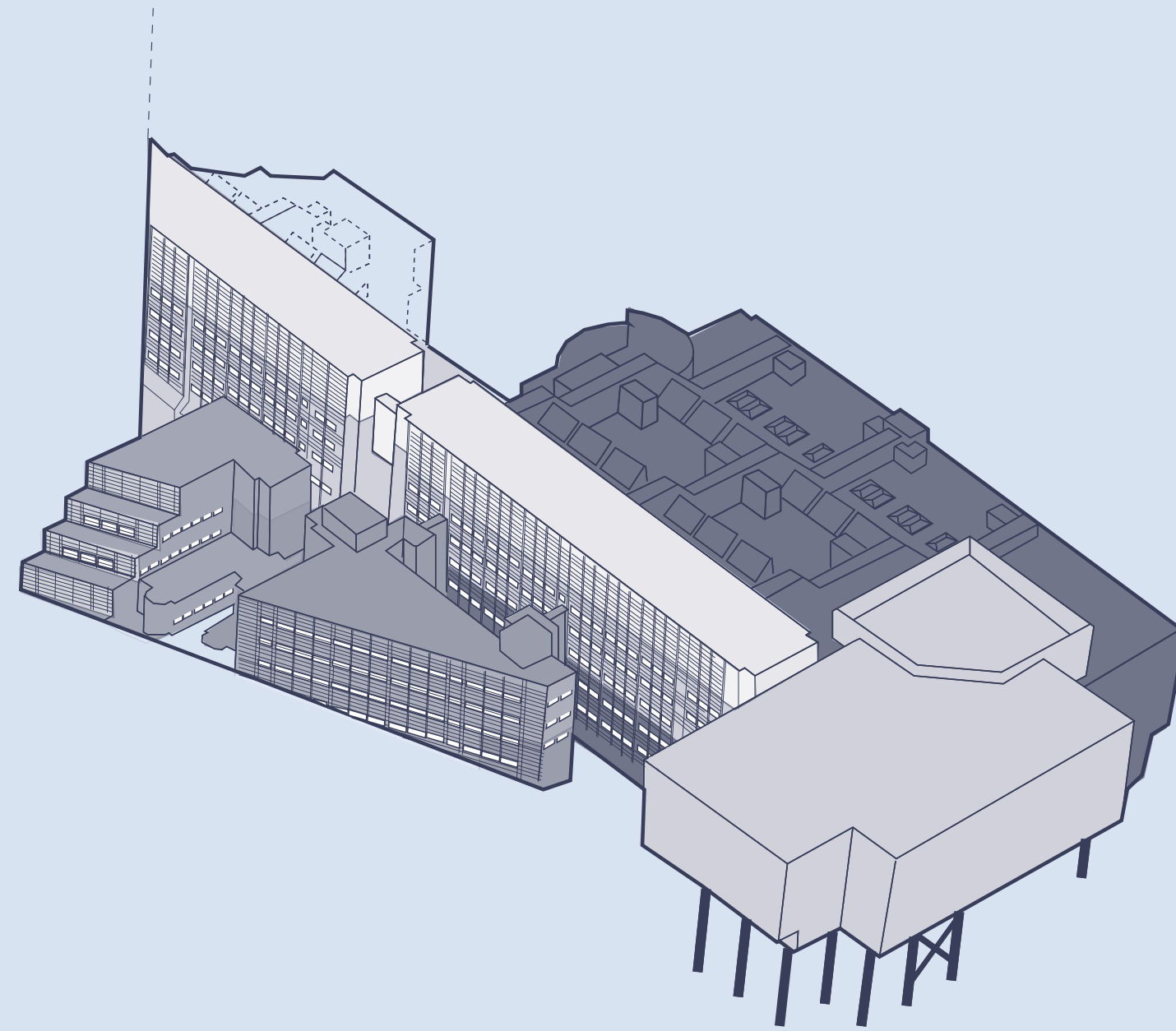


Taxonomy of attributes, Adopted from Veldpaus (2015)

making solution / results

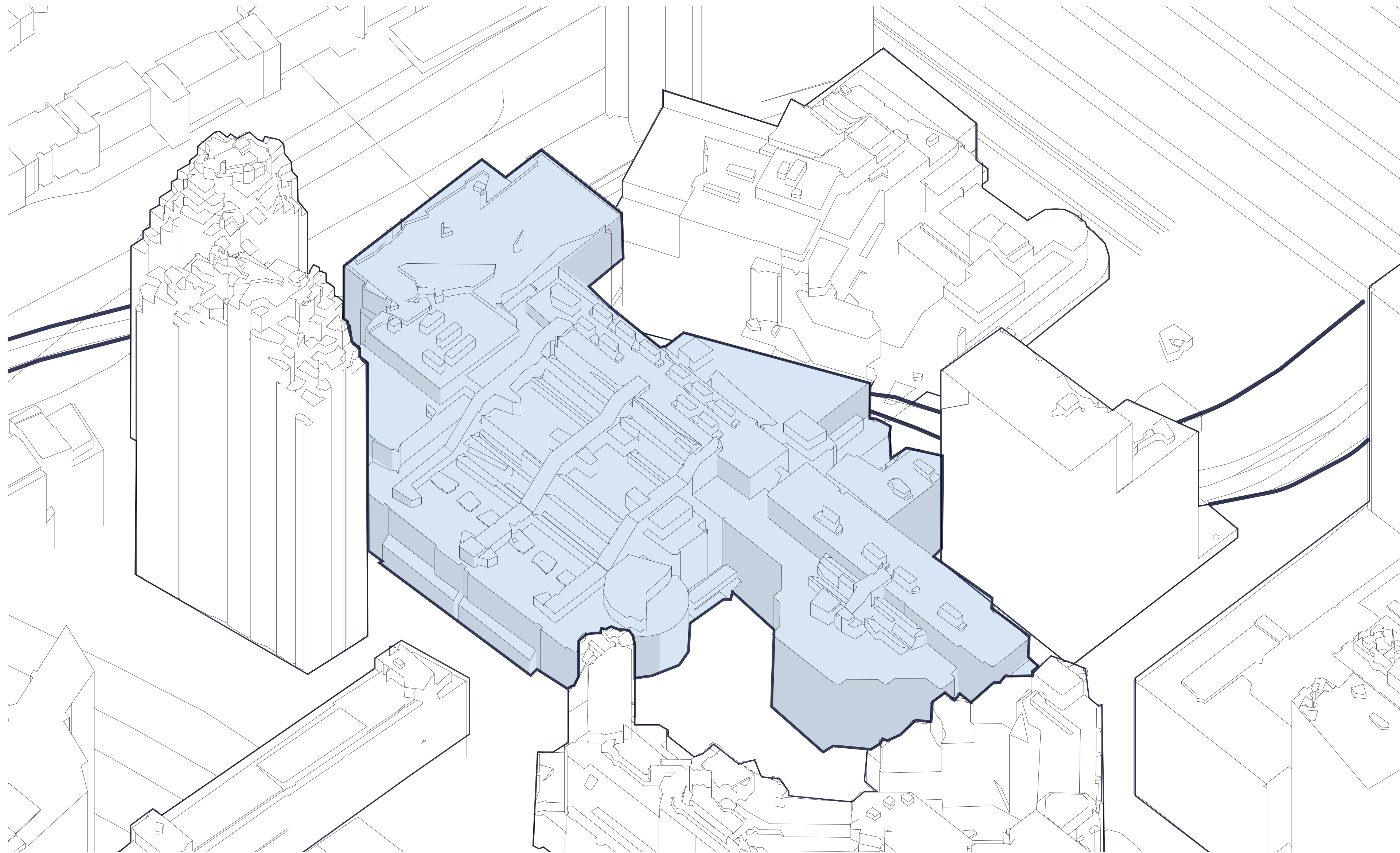


proposed program area



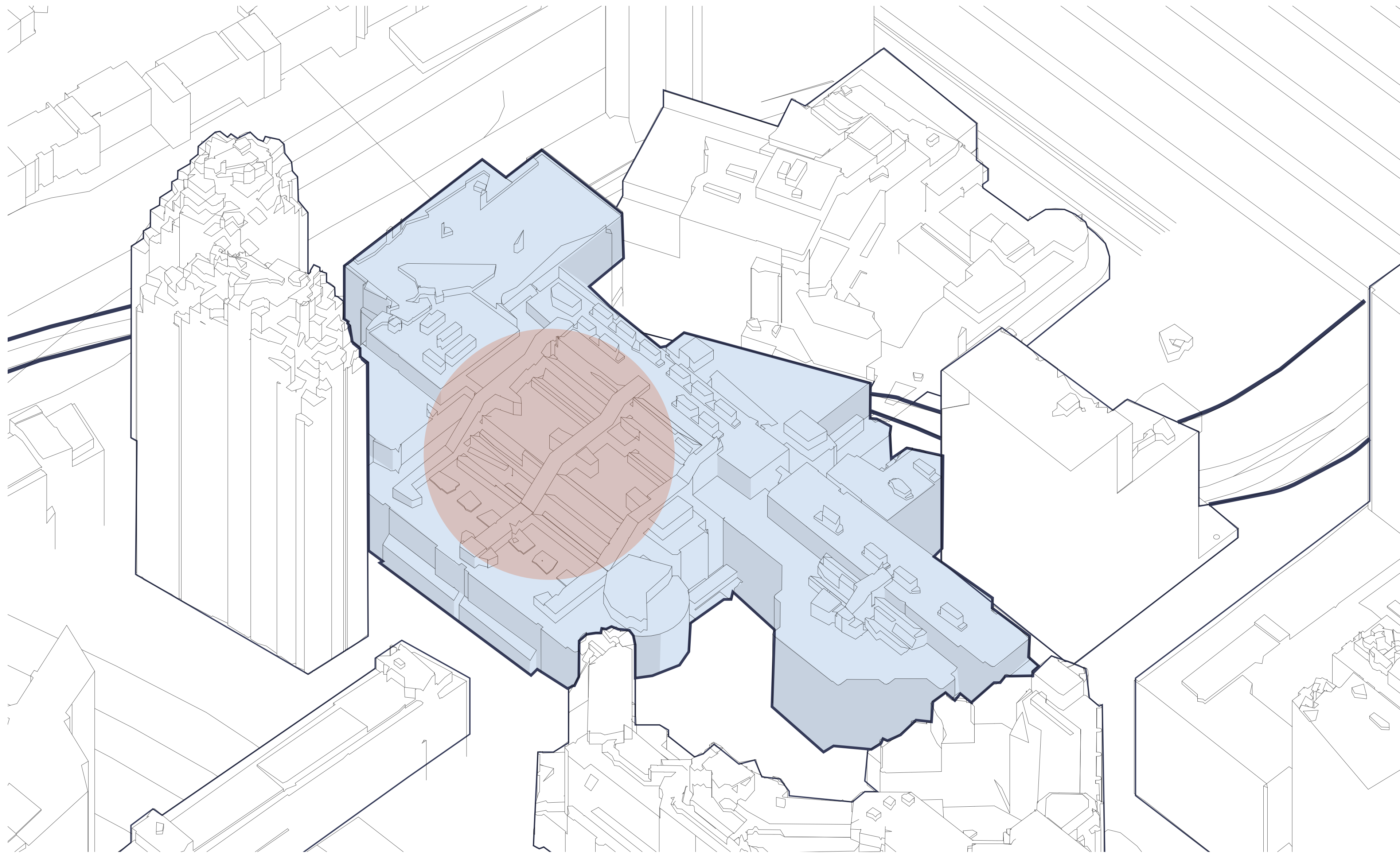
The **redesigning** of the KB
on the Prins Willem-Alexanderhof 5 in the Hague

The **urban scale** of the KB
preparing the building for use

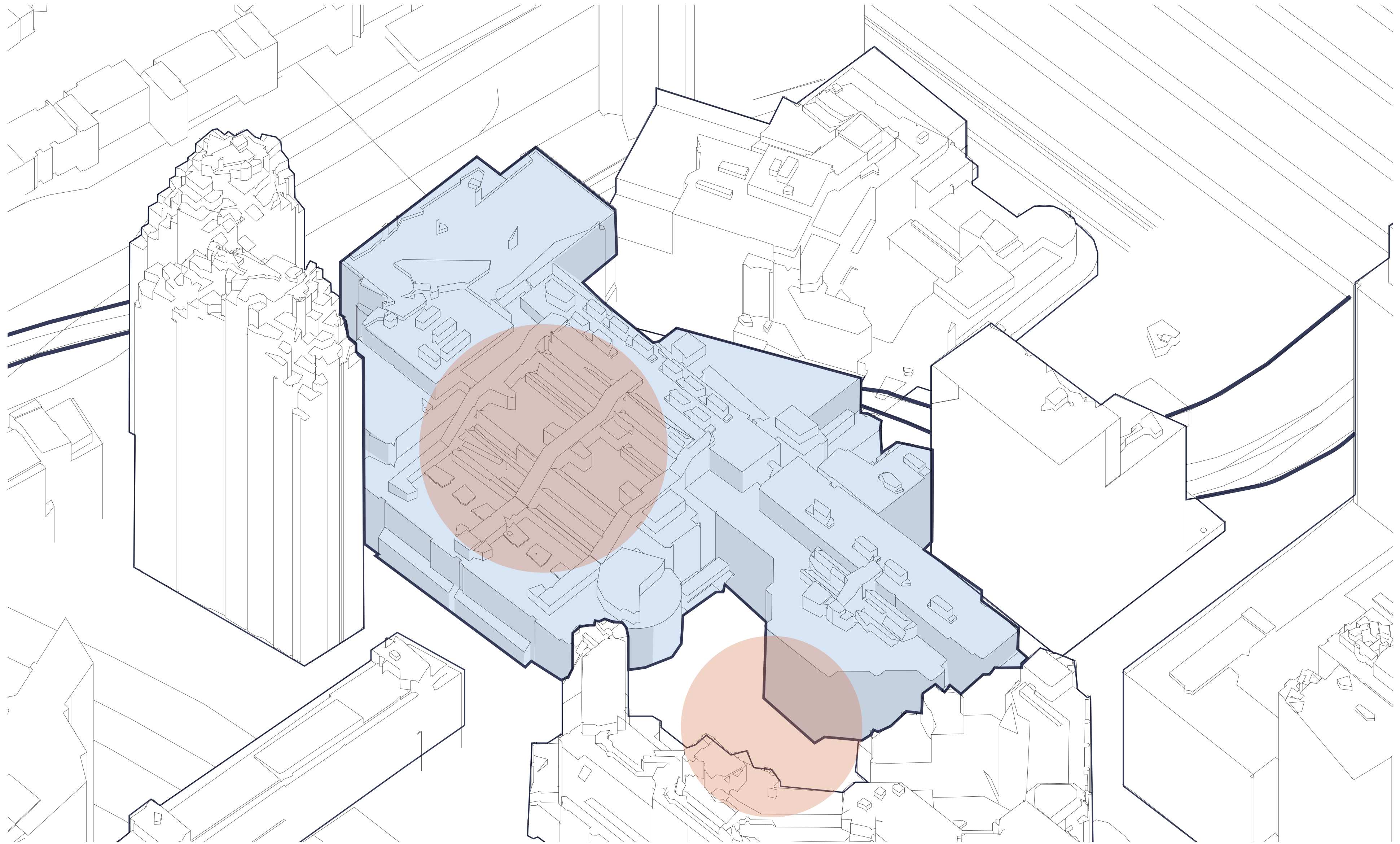


volume

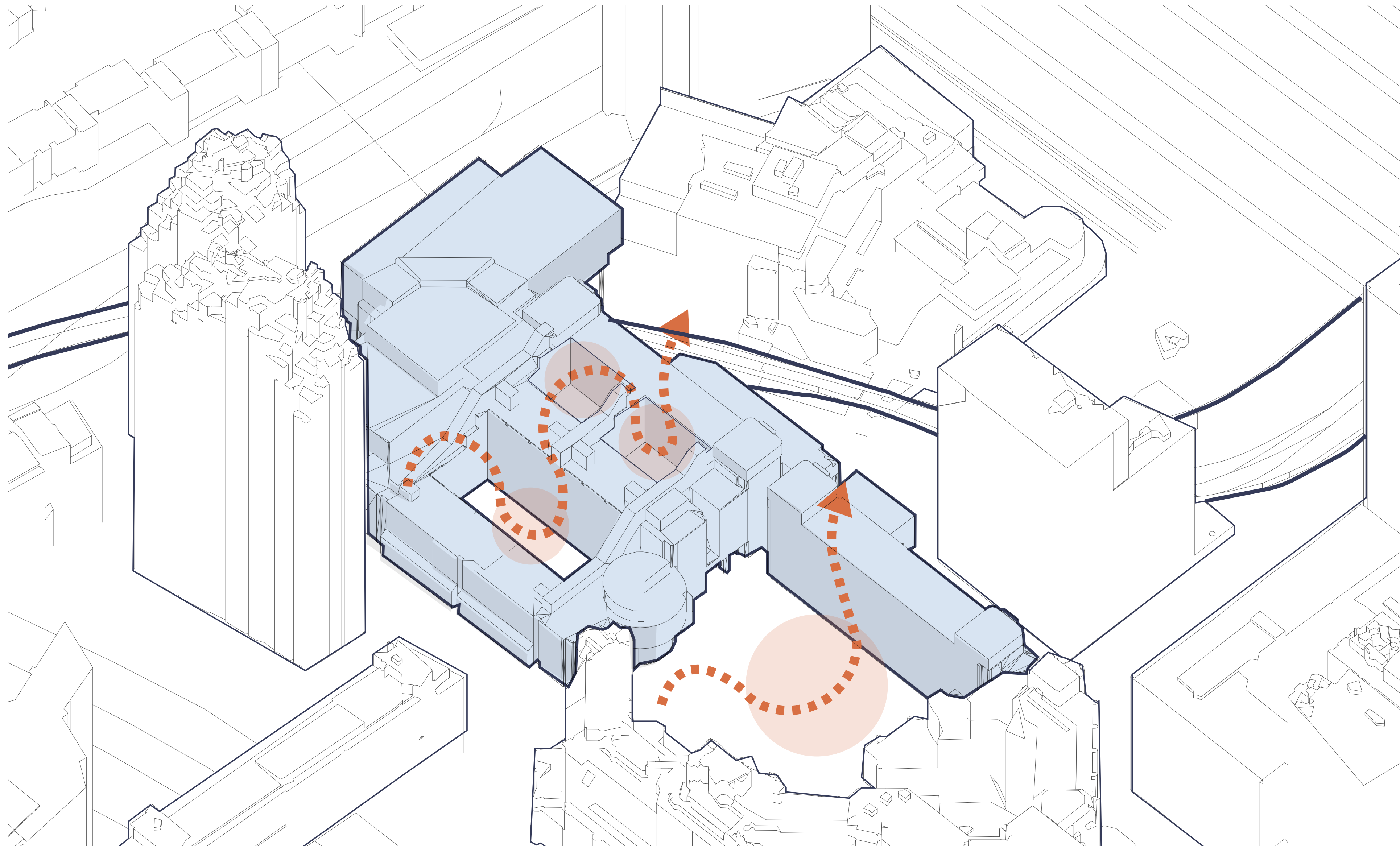
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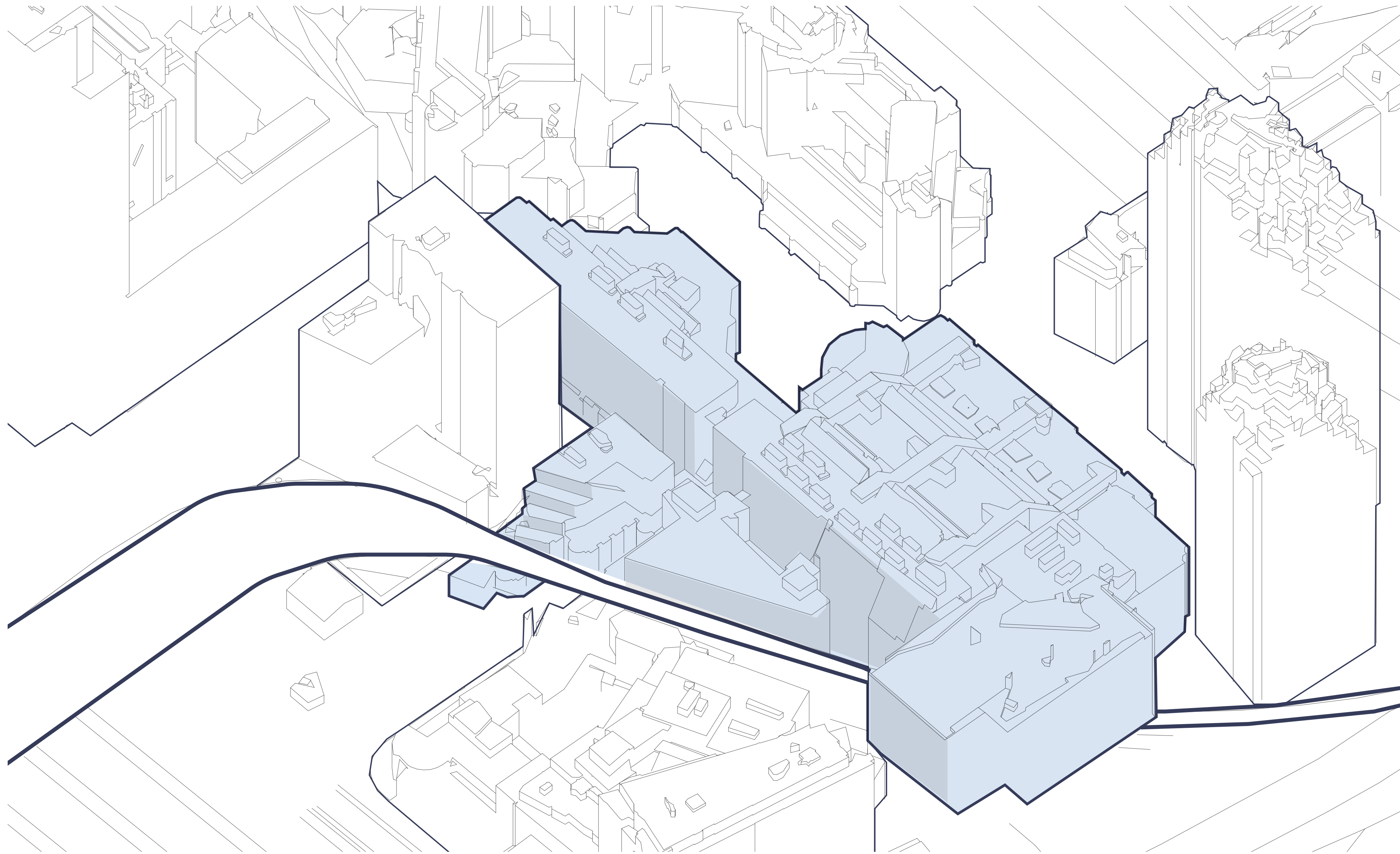
volume / darkness



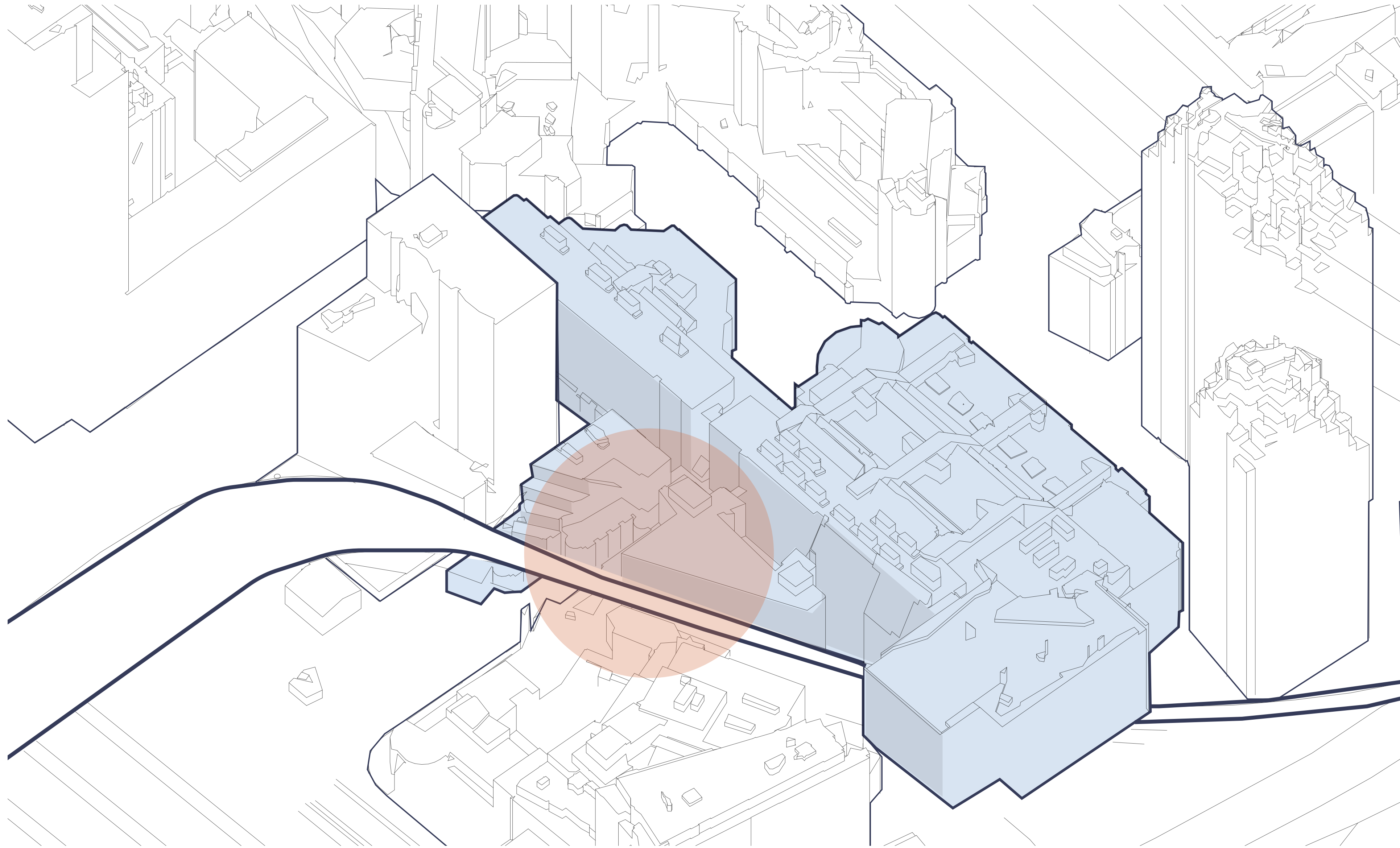
volume / density



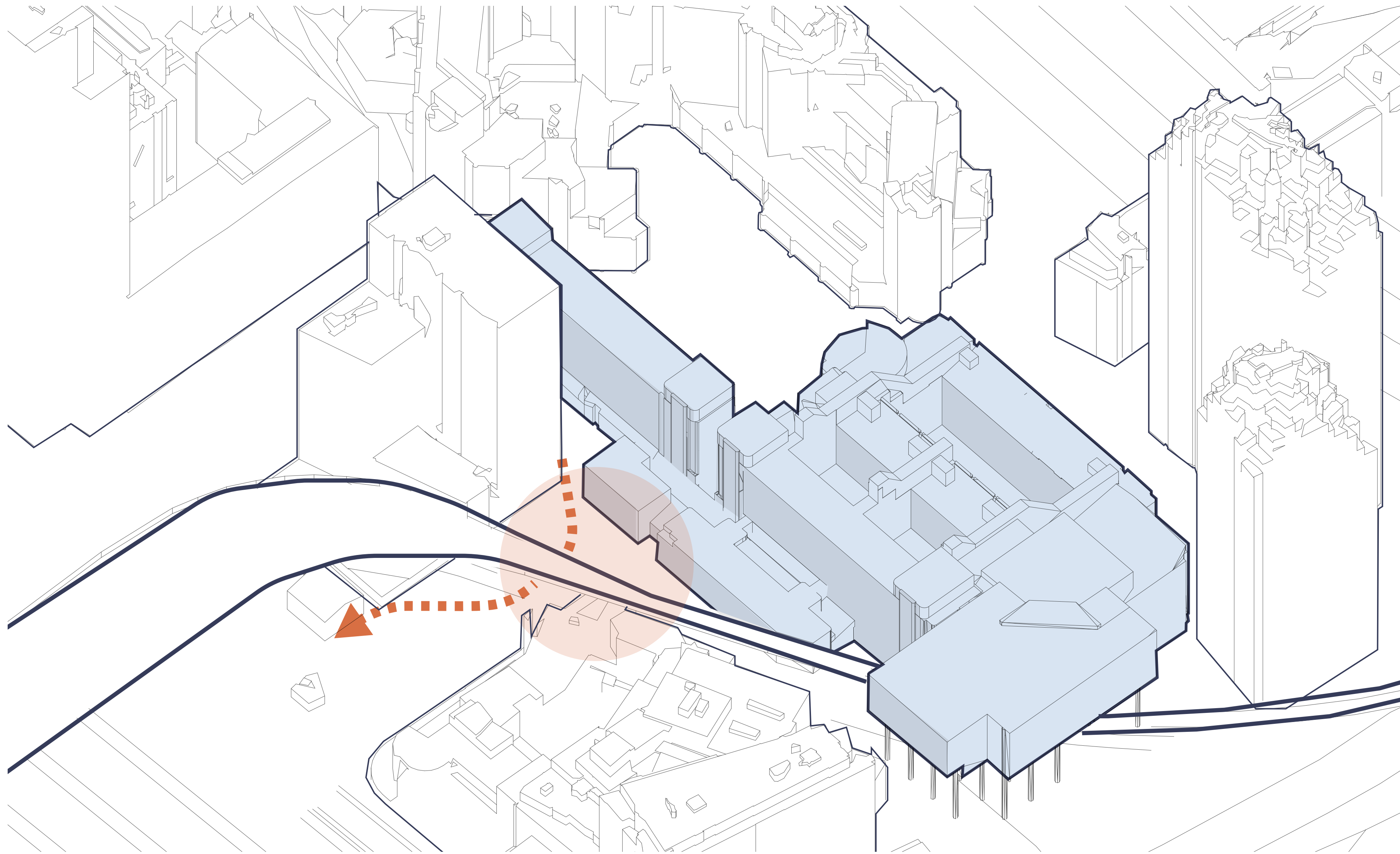
volume interventions



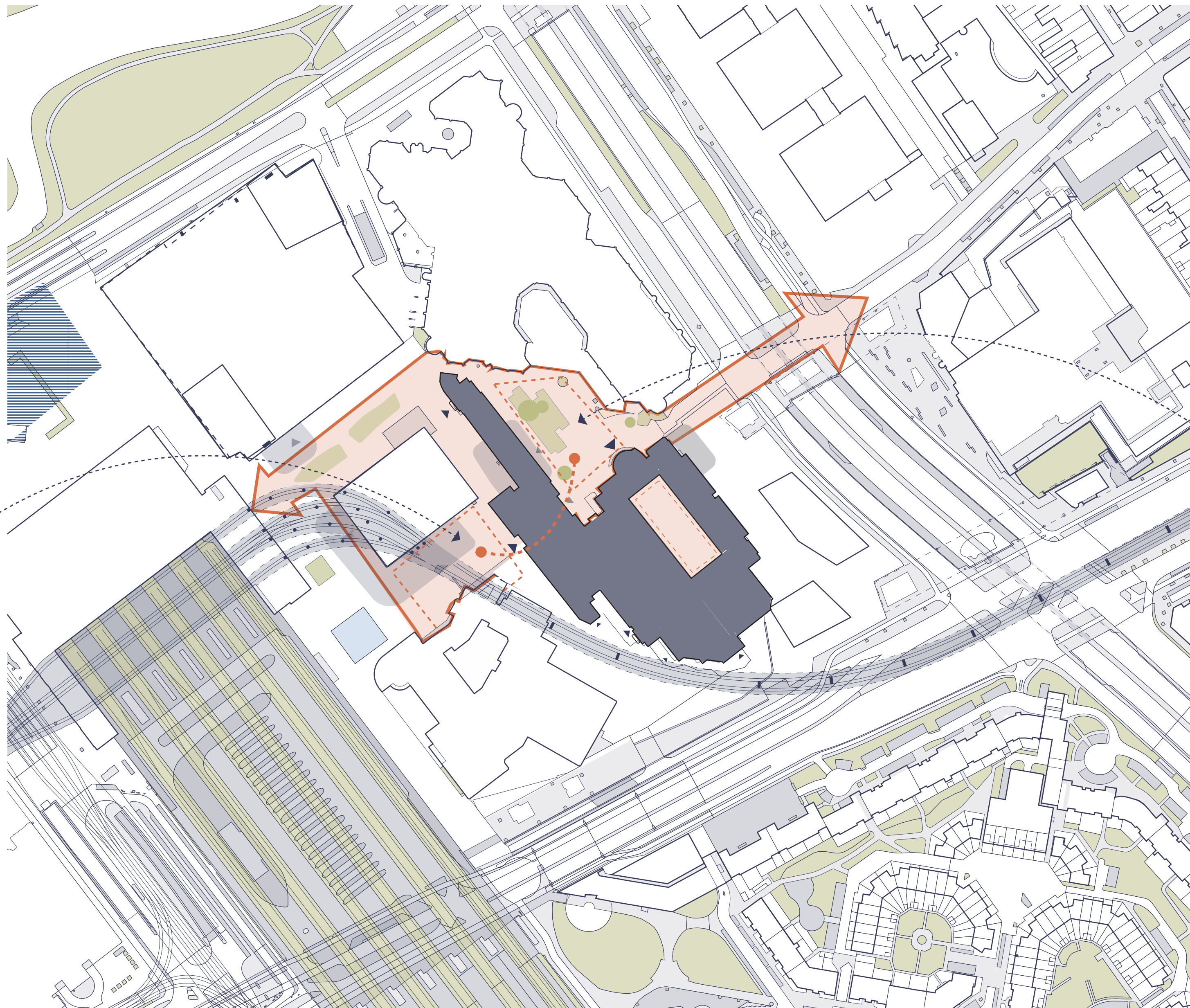
volume



volume / density



volume interventions



Makerssqaure

Knowledge square!

added squares

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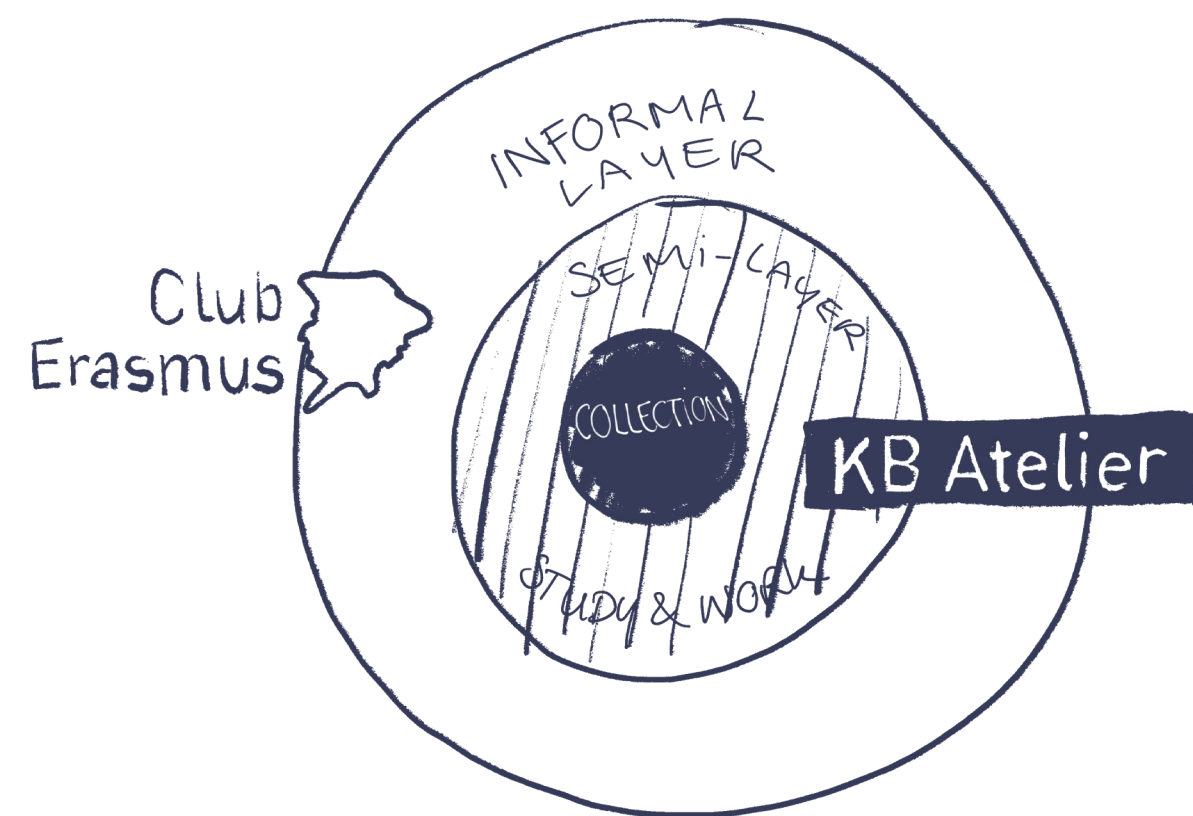


volume model

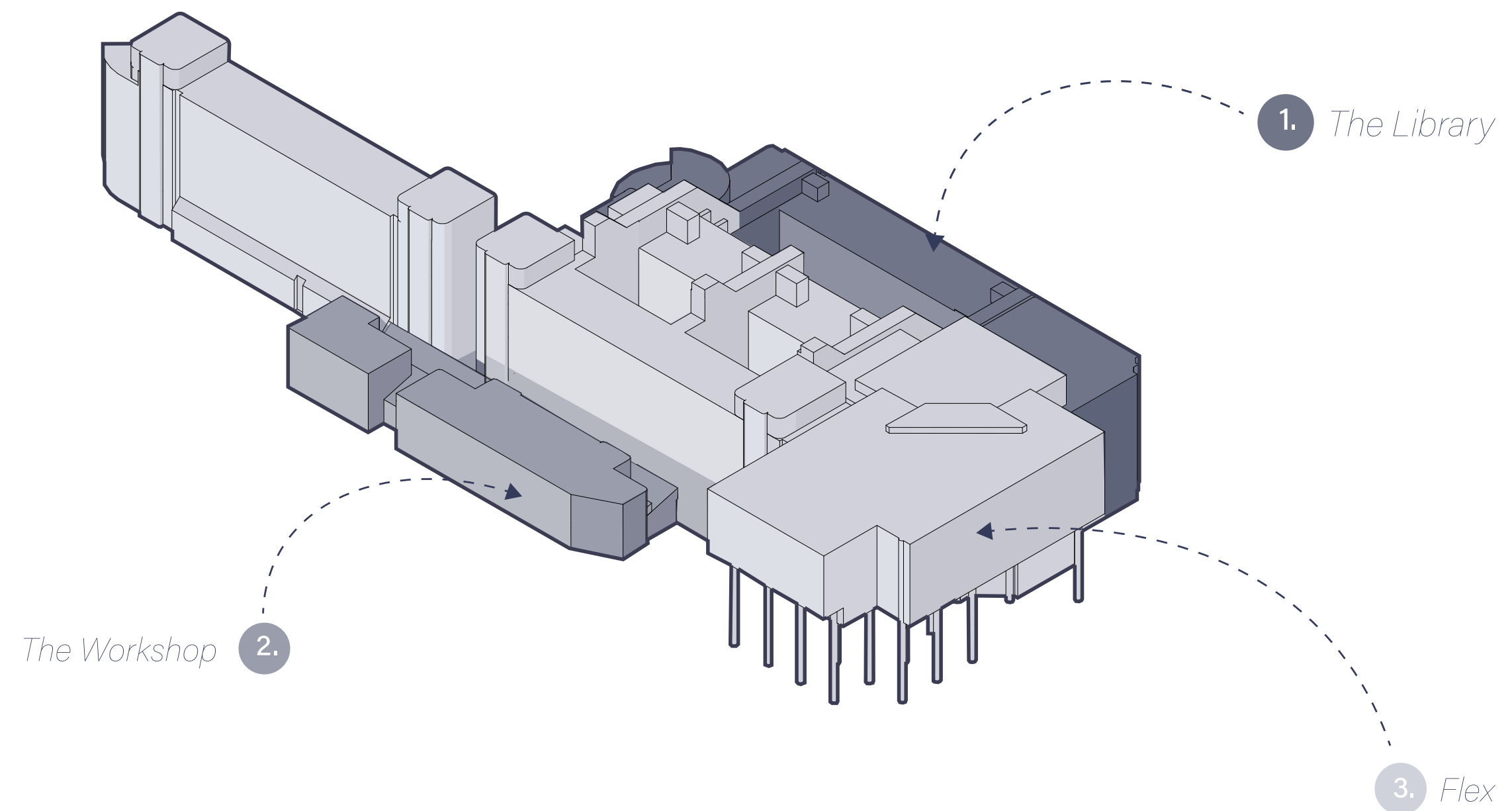


volume model

The **building scale** of the KB

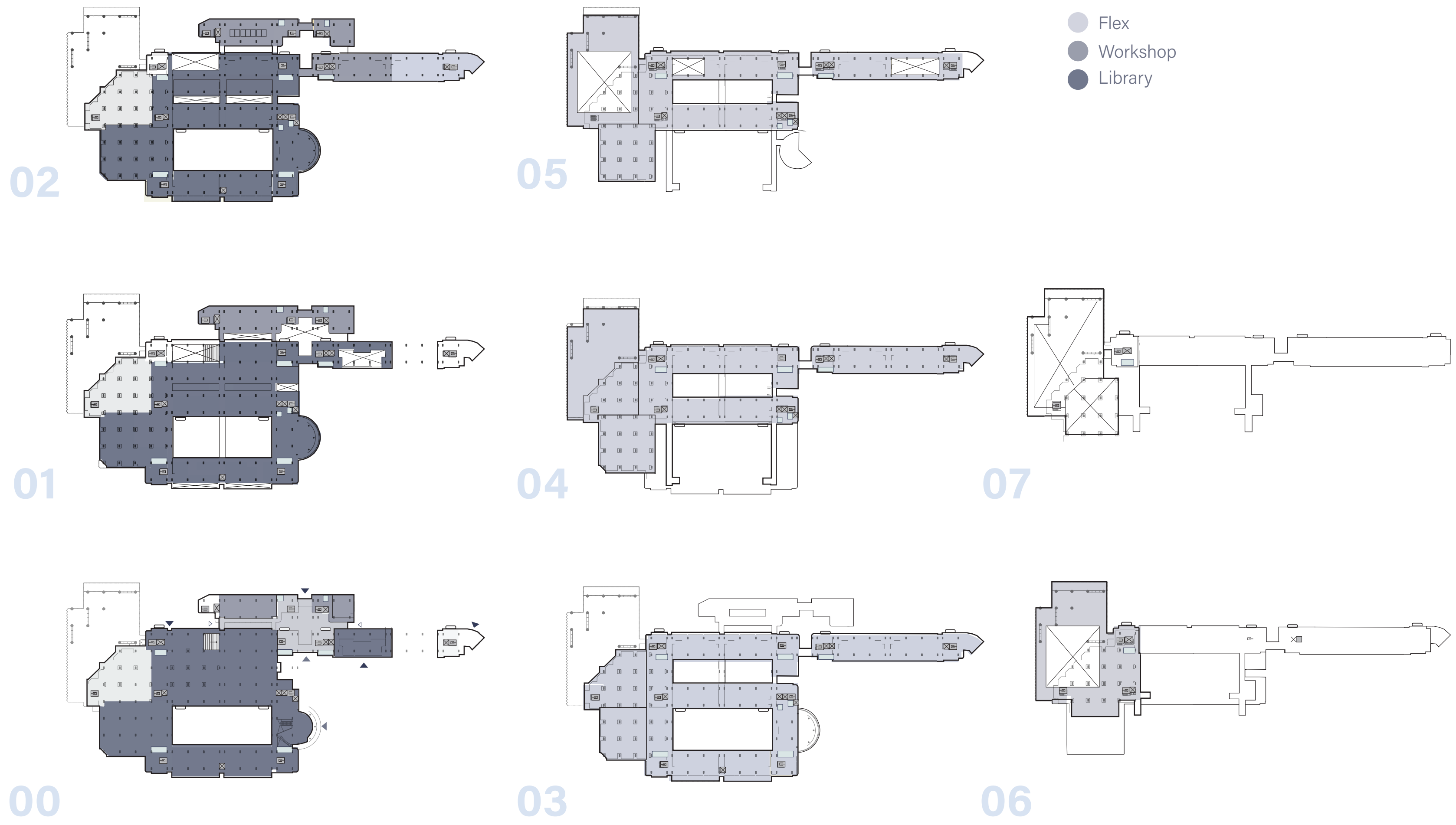


1. Library: the KB as National Library



2. The Workshop space - the link between the library and the Hague

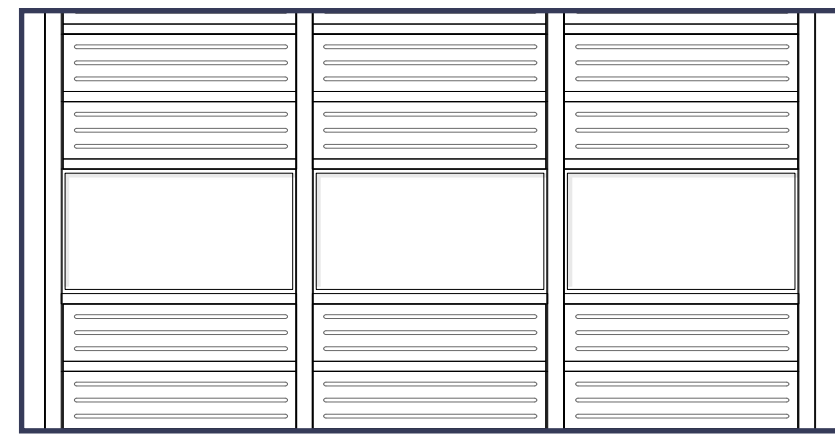
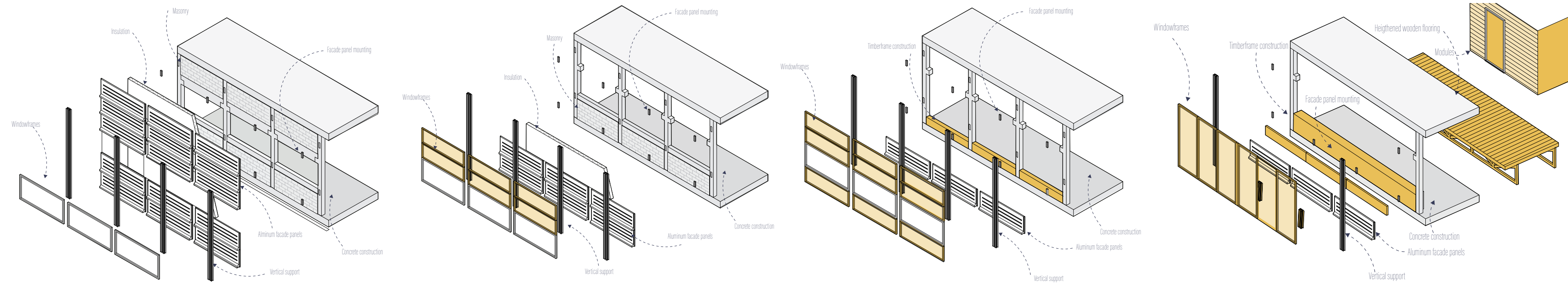
3. The flex: giving back to the city



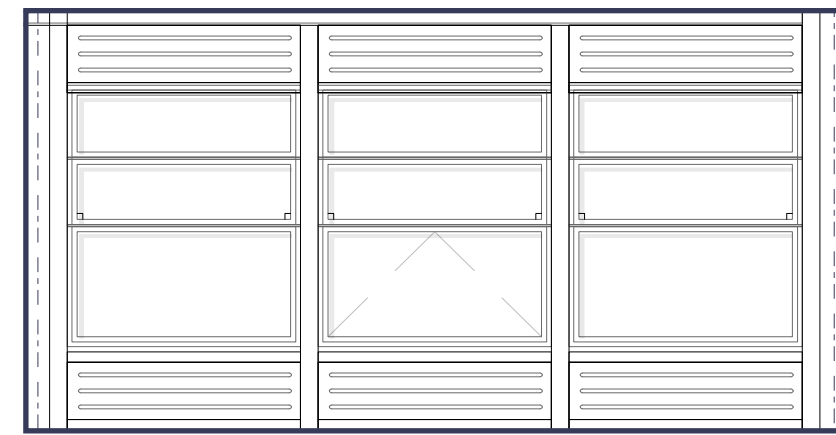
strategy overview



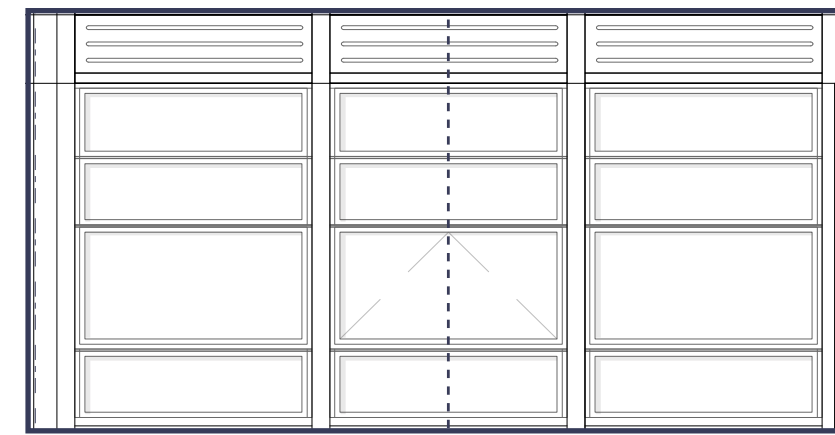
degree of **change**



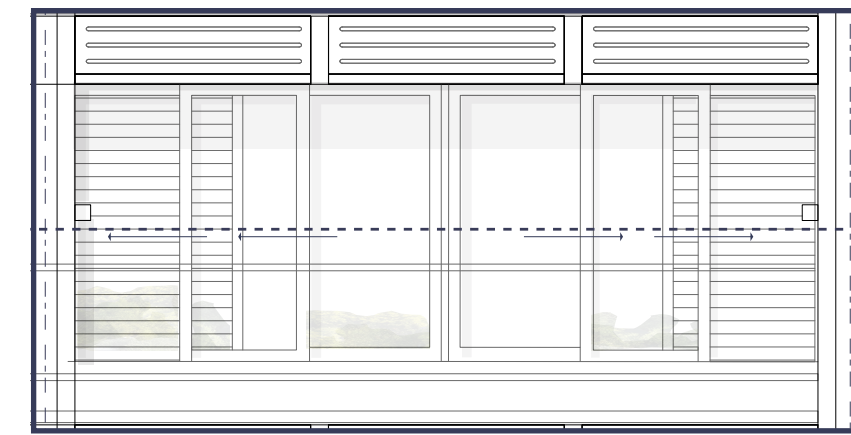
0. current



1. Library

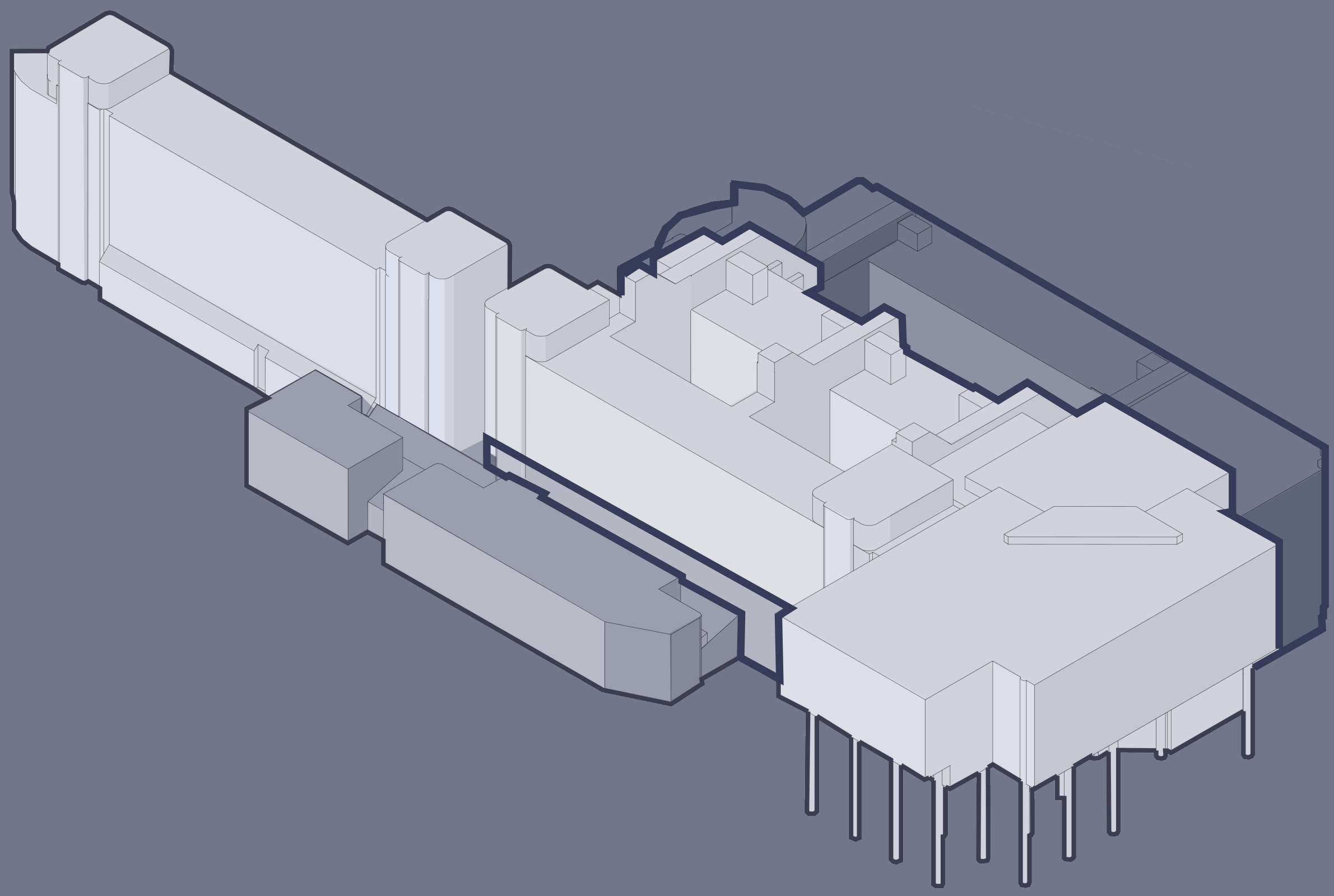


2. Workshop

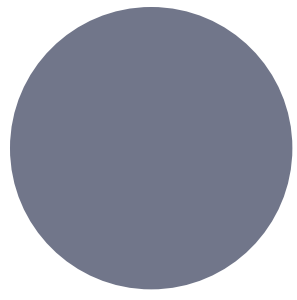


3. Flex

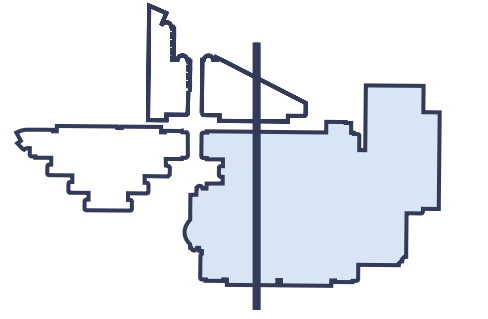
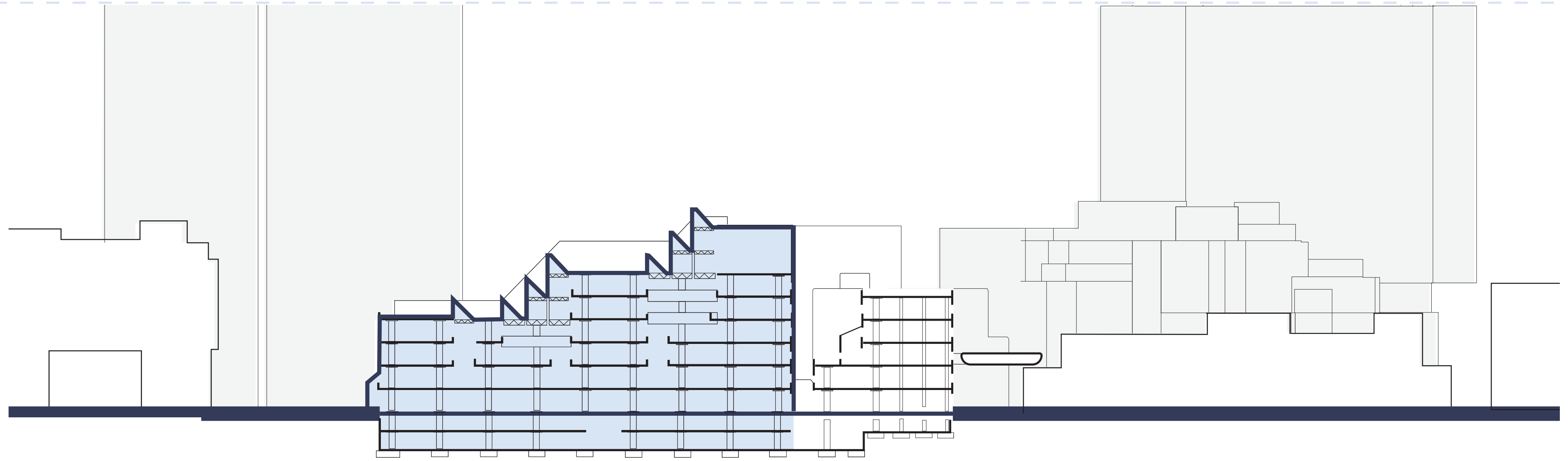
from heritage to design



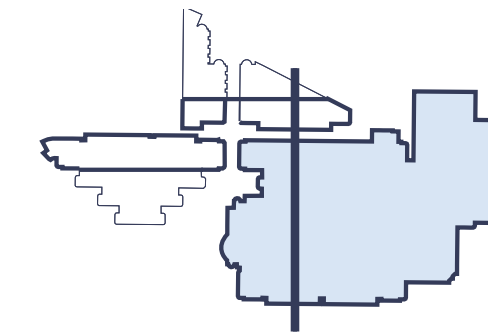
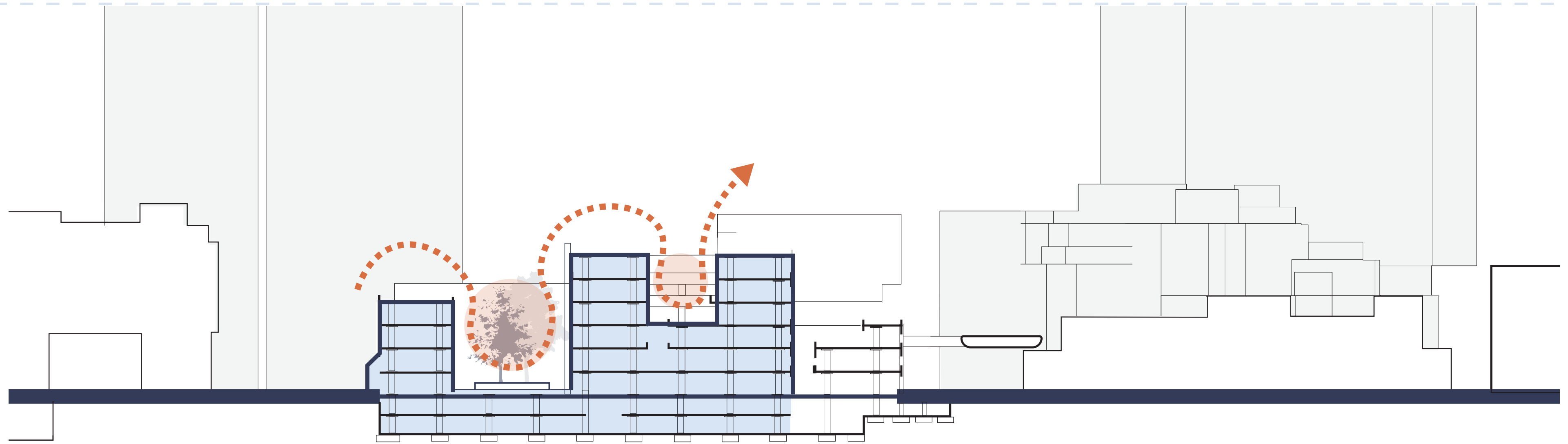
the library



current

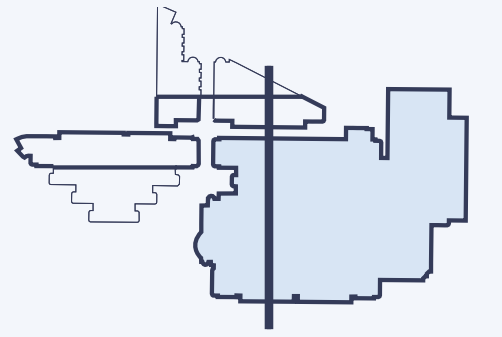
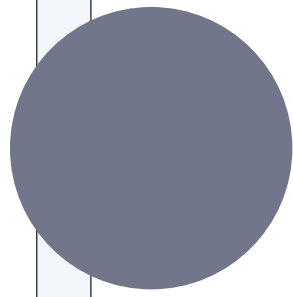


design

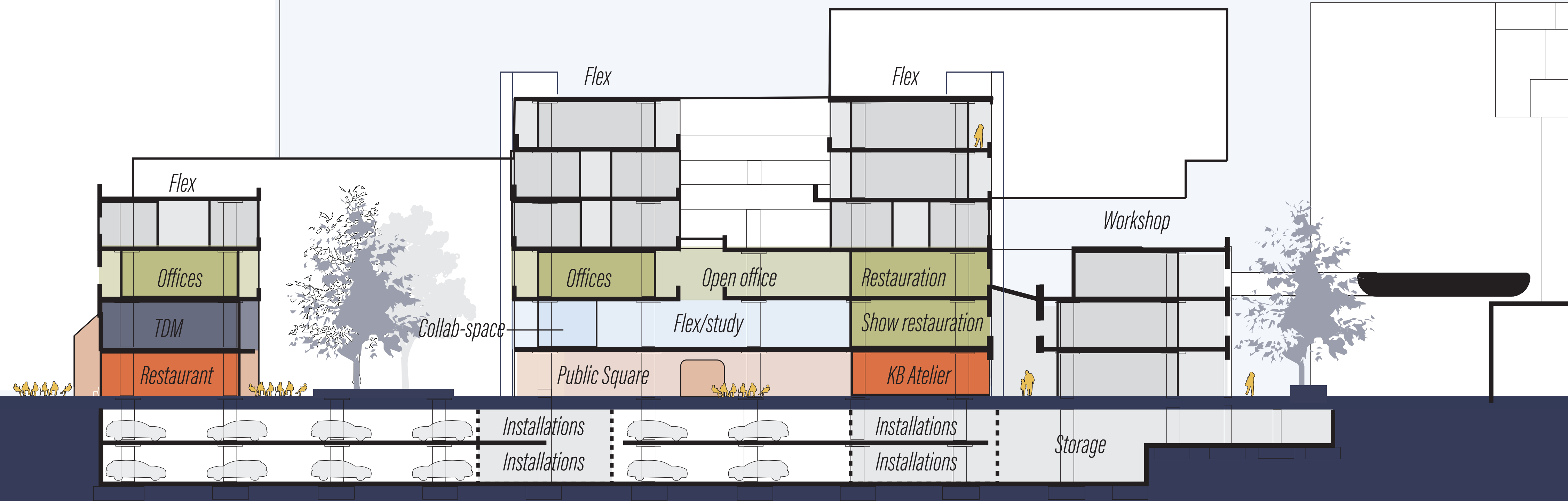


0 10 20 30 40 50

interventions

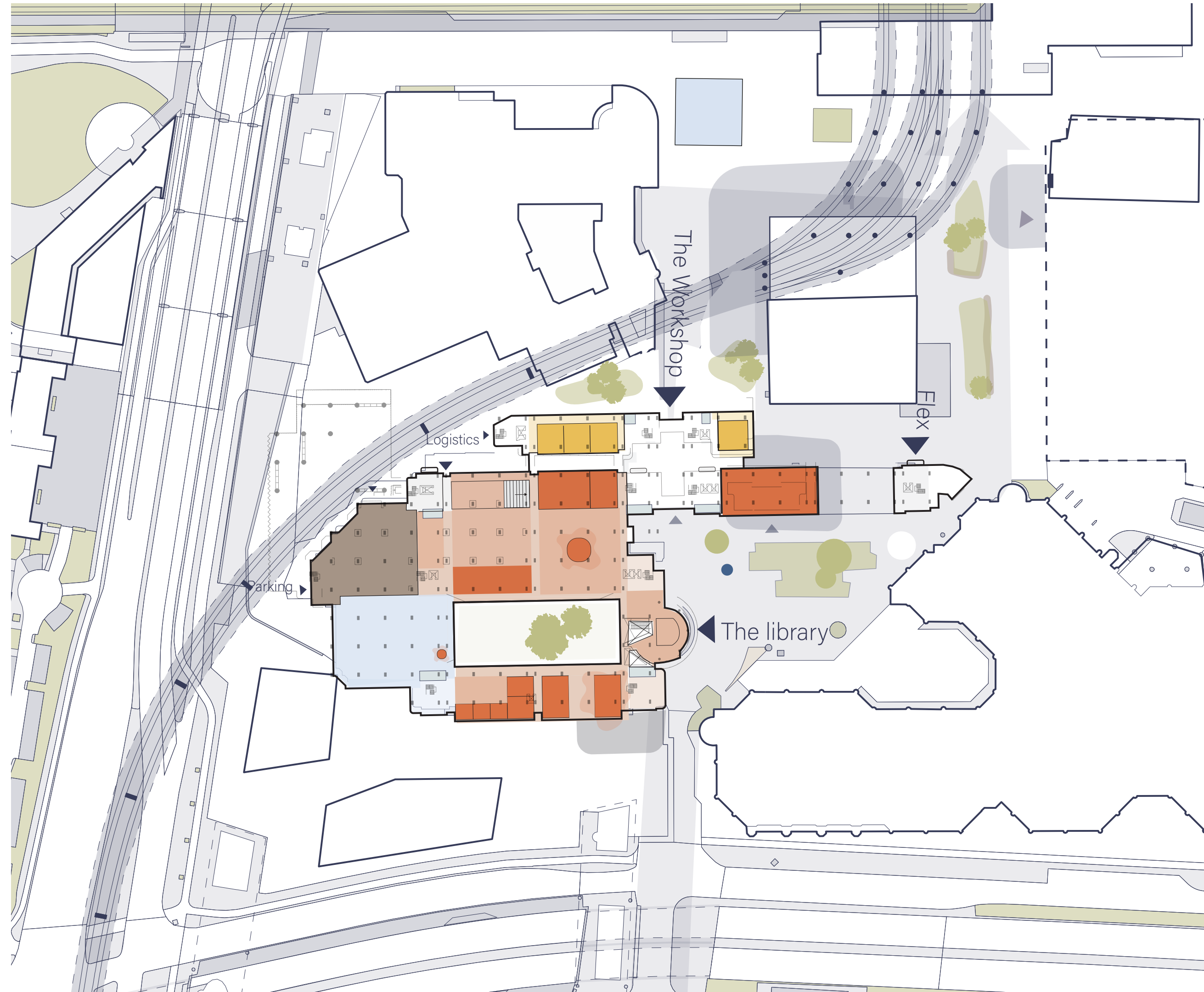
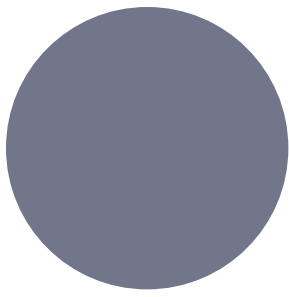


Flex 06
Flex 05
Flex 04
Offices 03
Work/collection 02
Public - informal 01
00
Basement -1
Basement -2



section

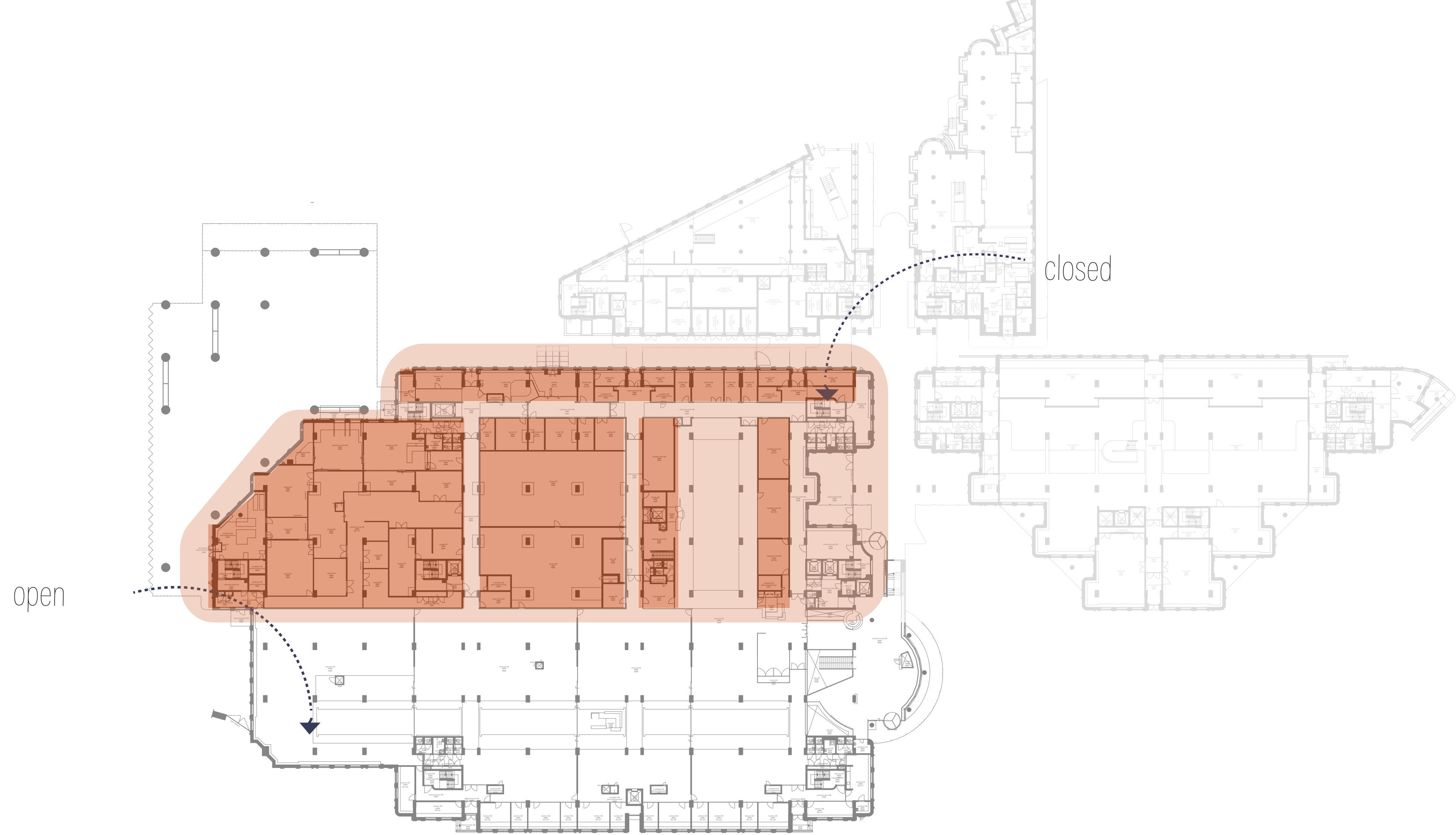
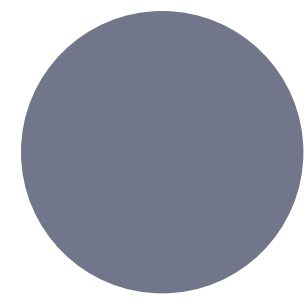




-  *KB Support*
-  *Study/workplaces*
-  *Public area Library*
-  *Square & informal seating*
-  *workshopsquare*



situation

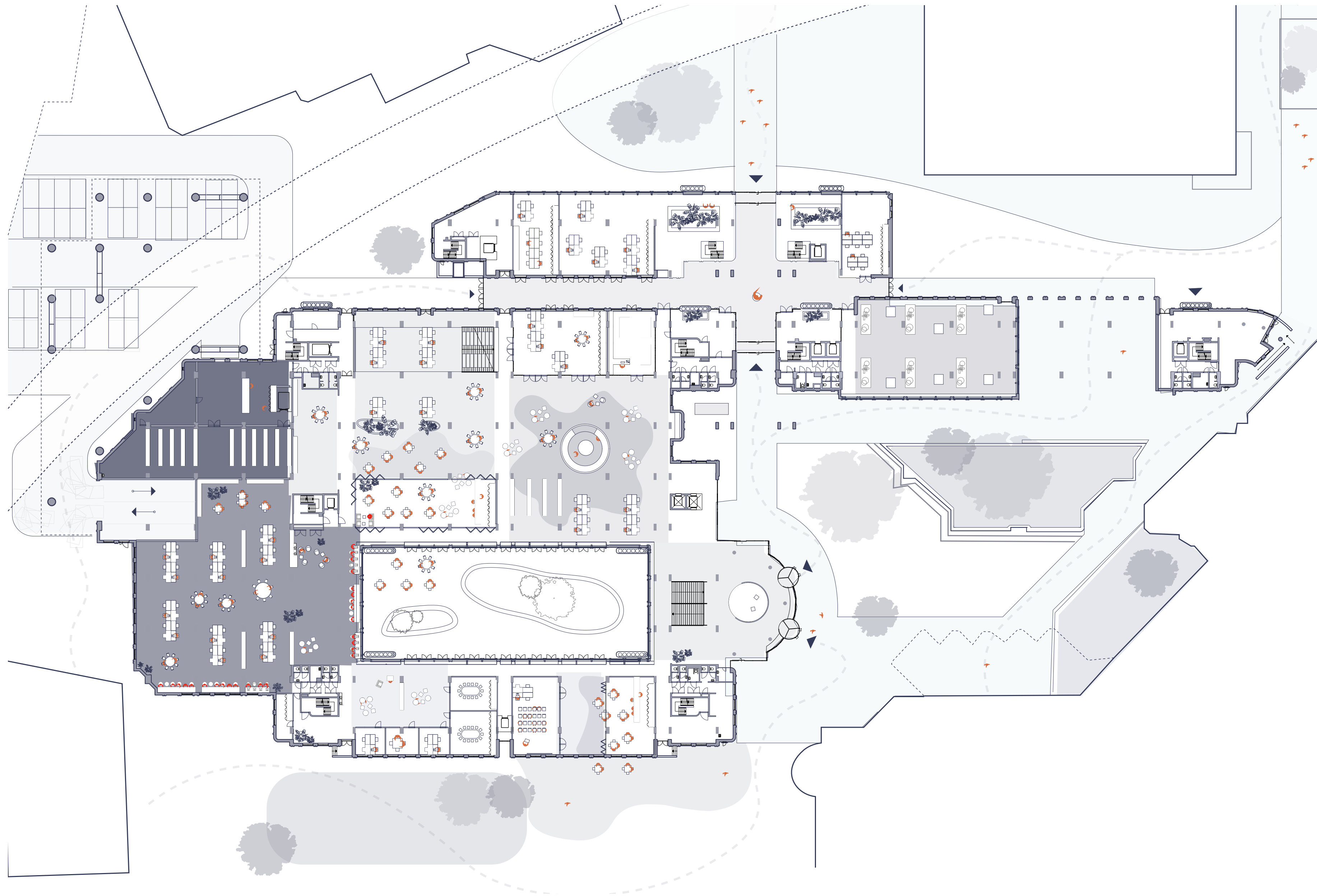


open

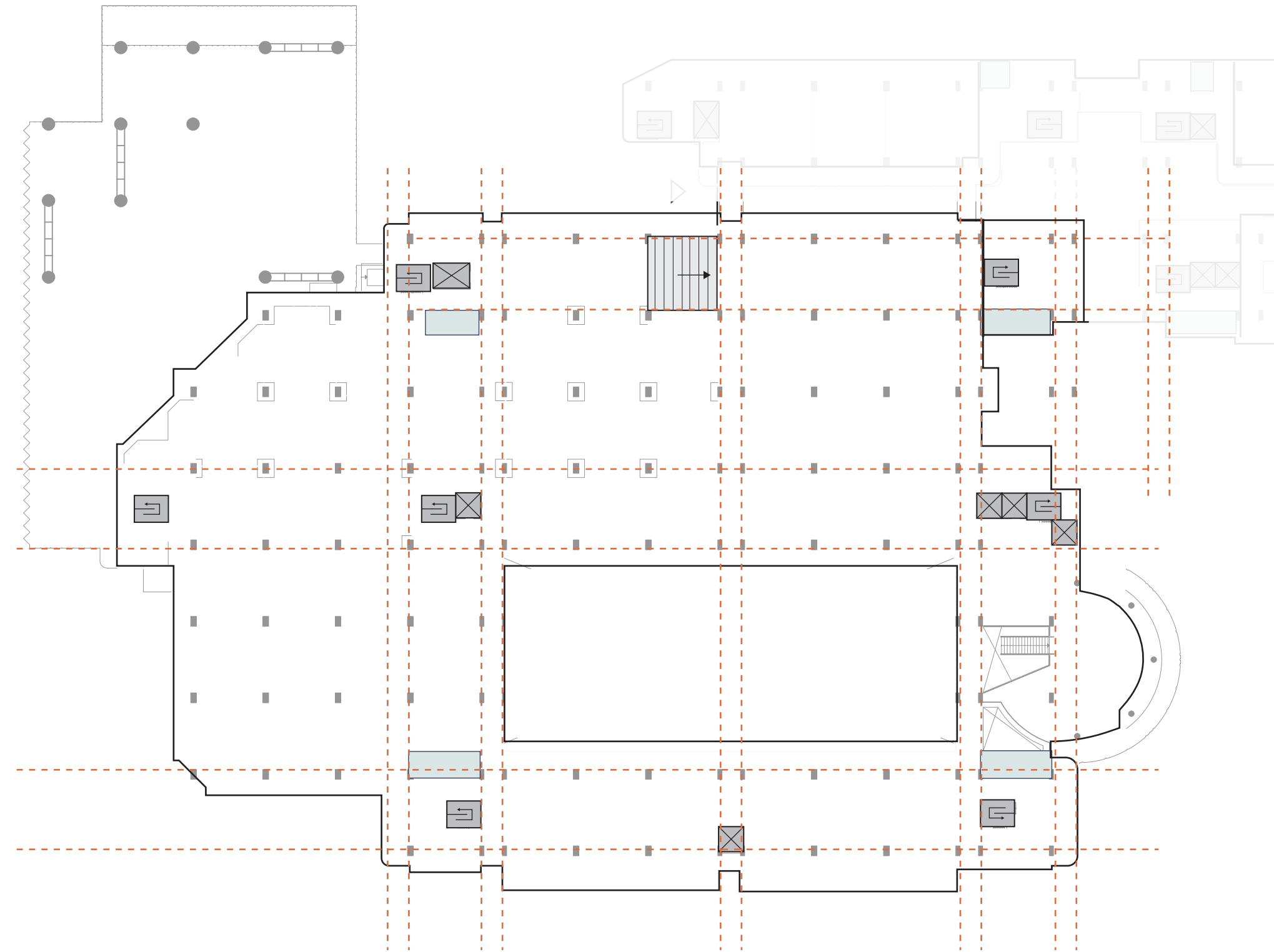
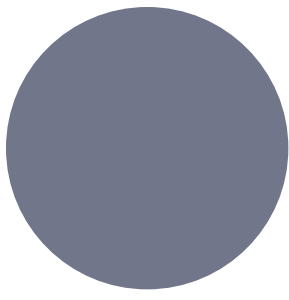
closed

current floorplan



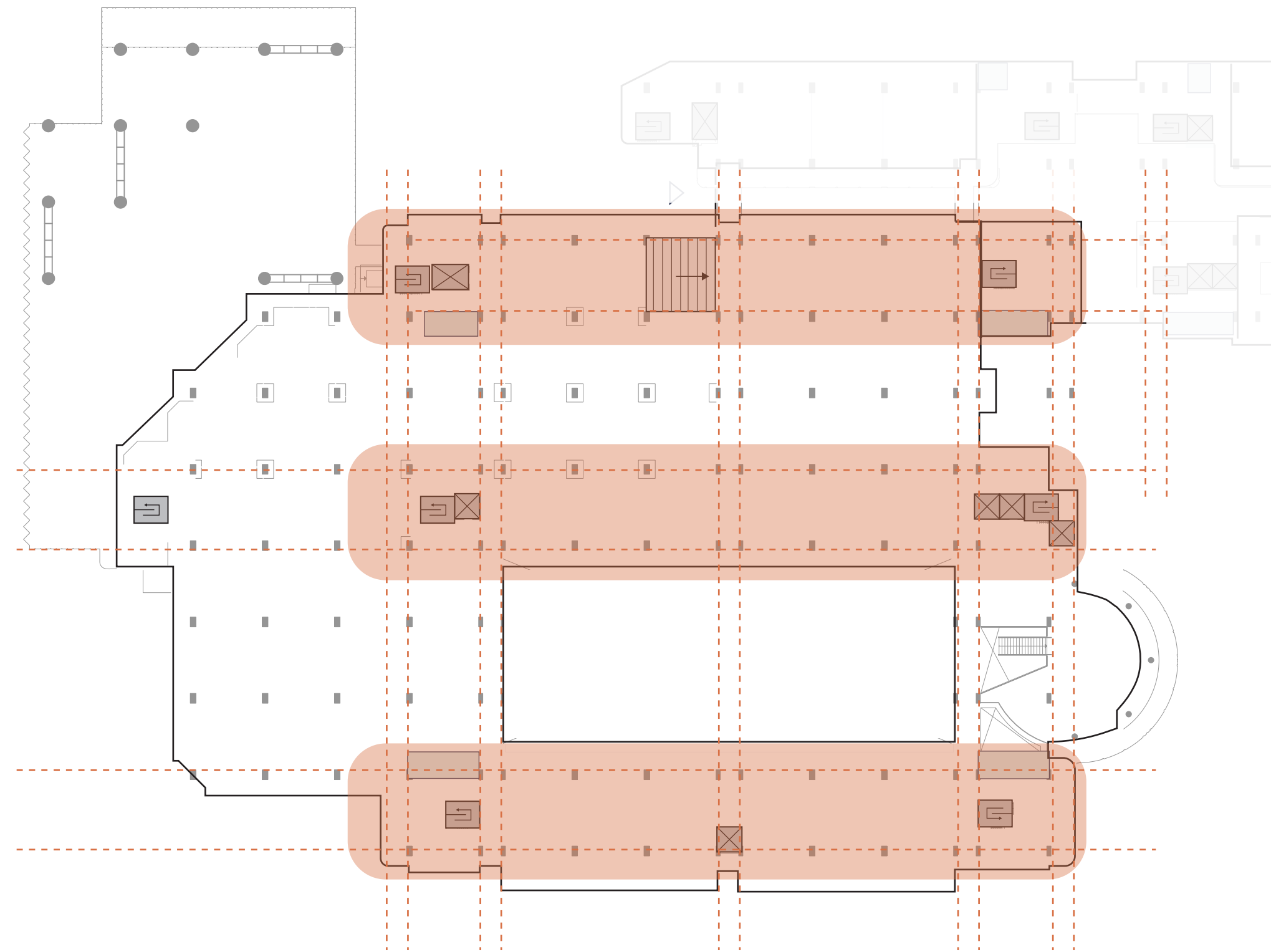
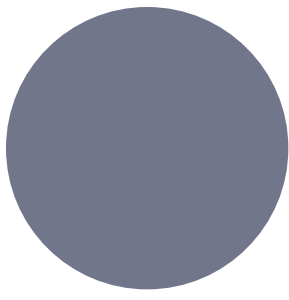


Ground floorplan



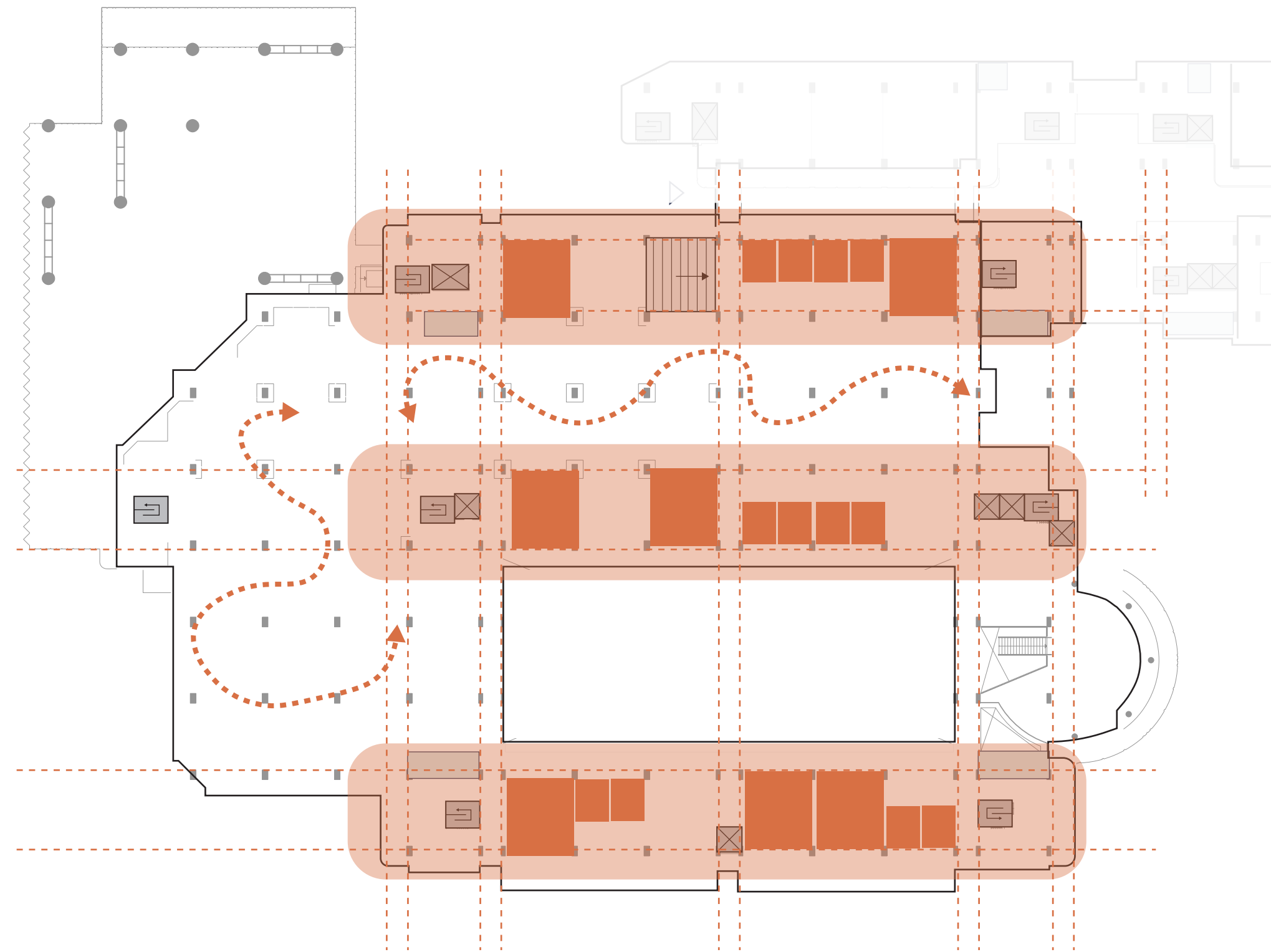
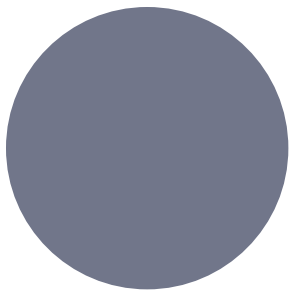
Floorplan grid





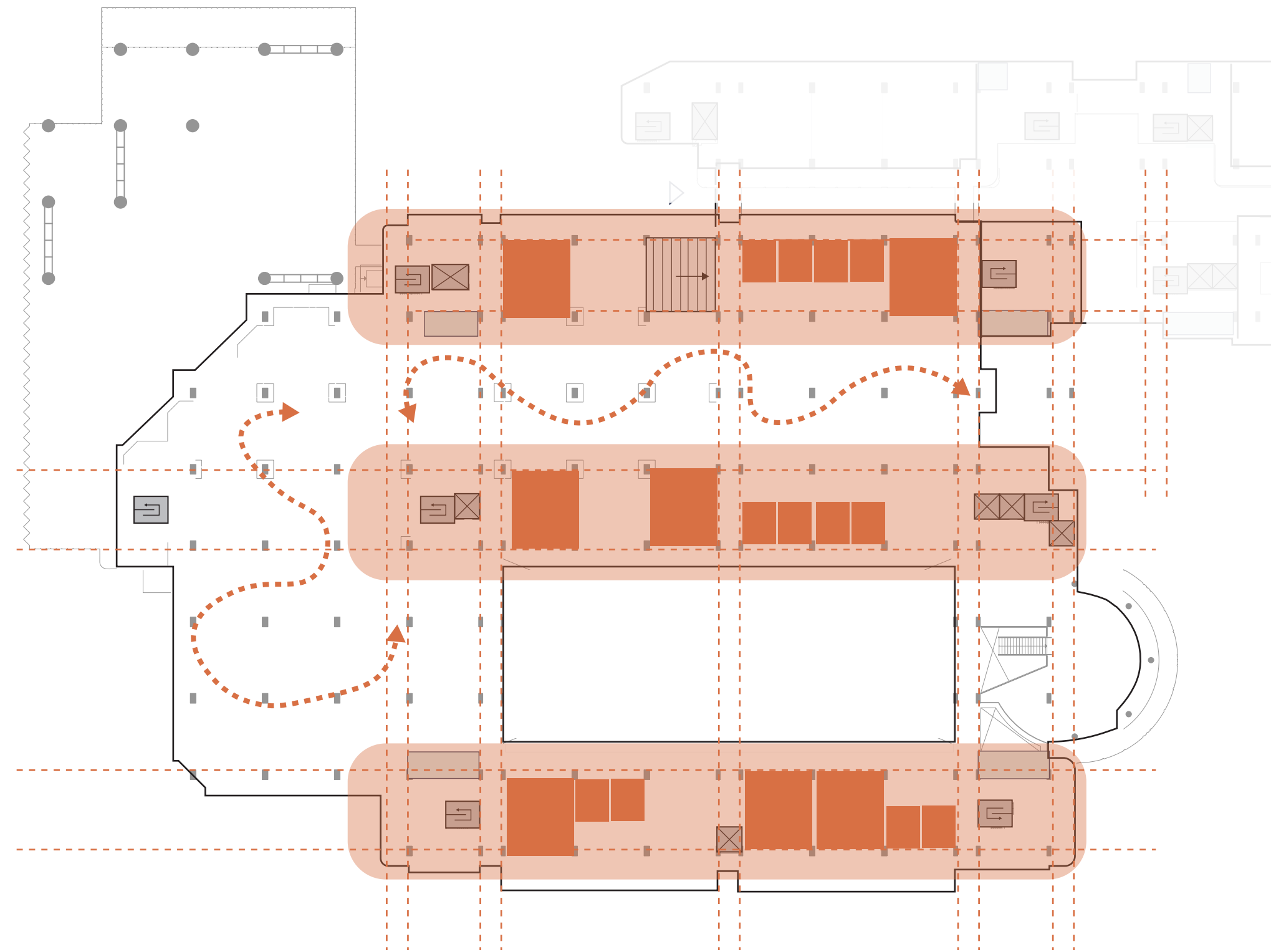
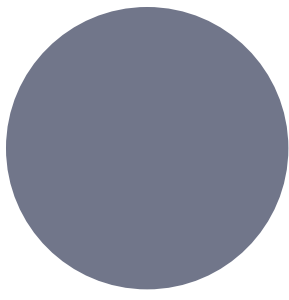
Floorplan grid





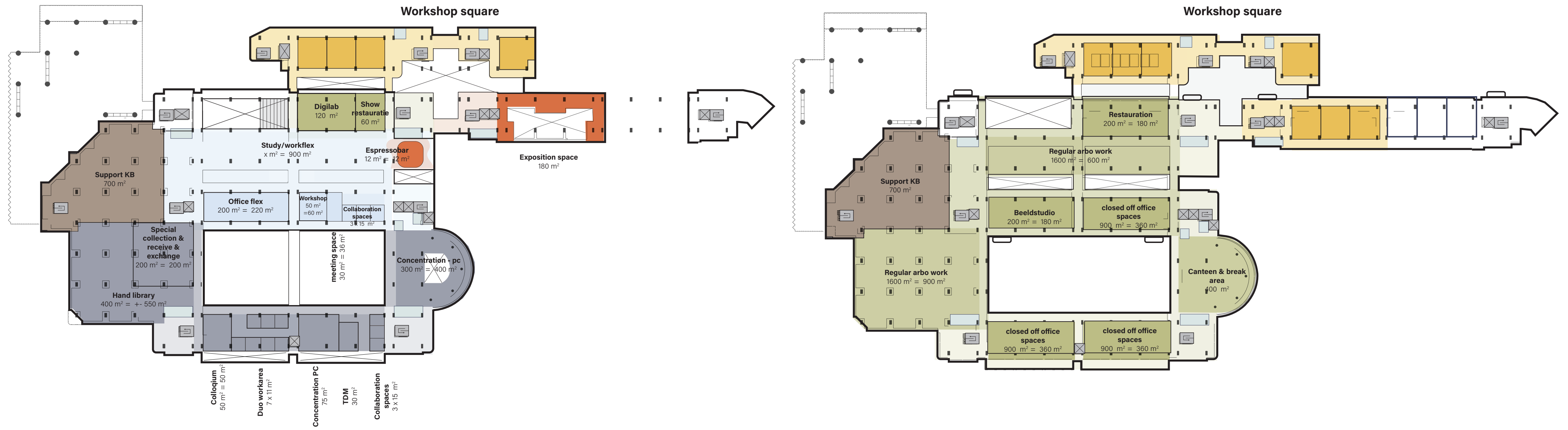
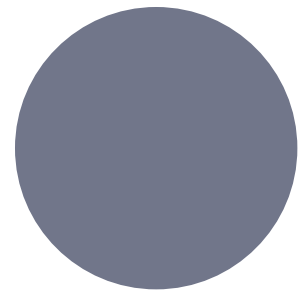
Floorplan grid





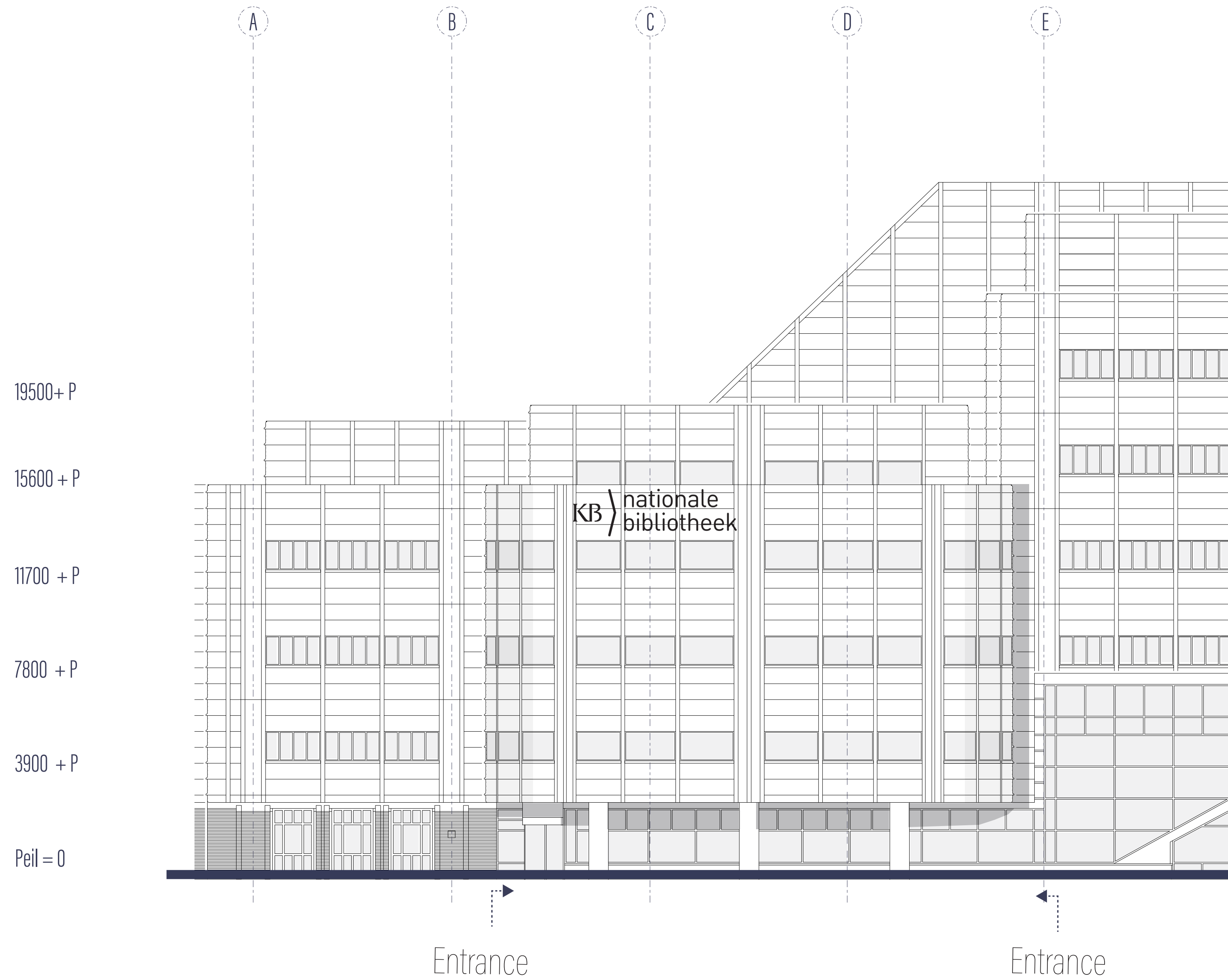
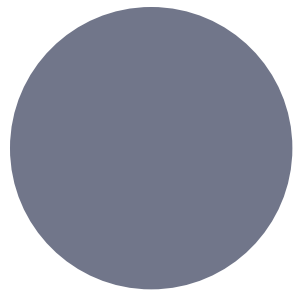
Floorplan grid



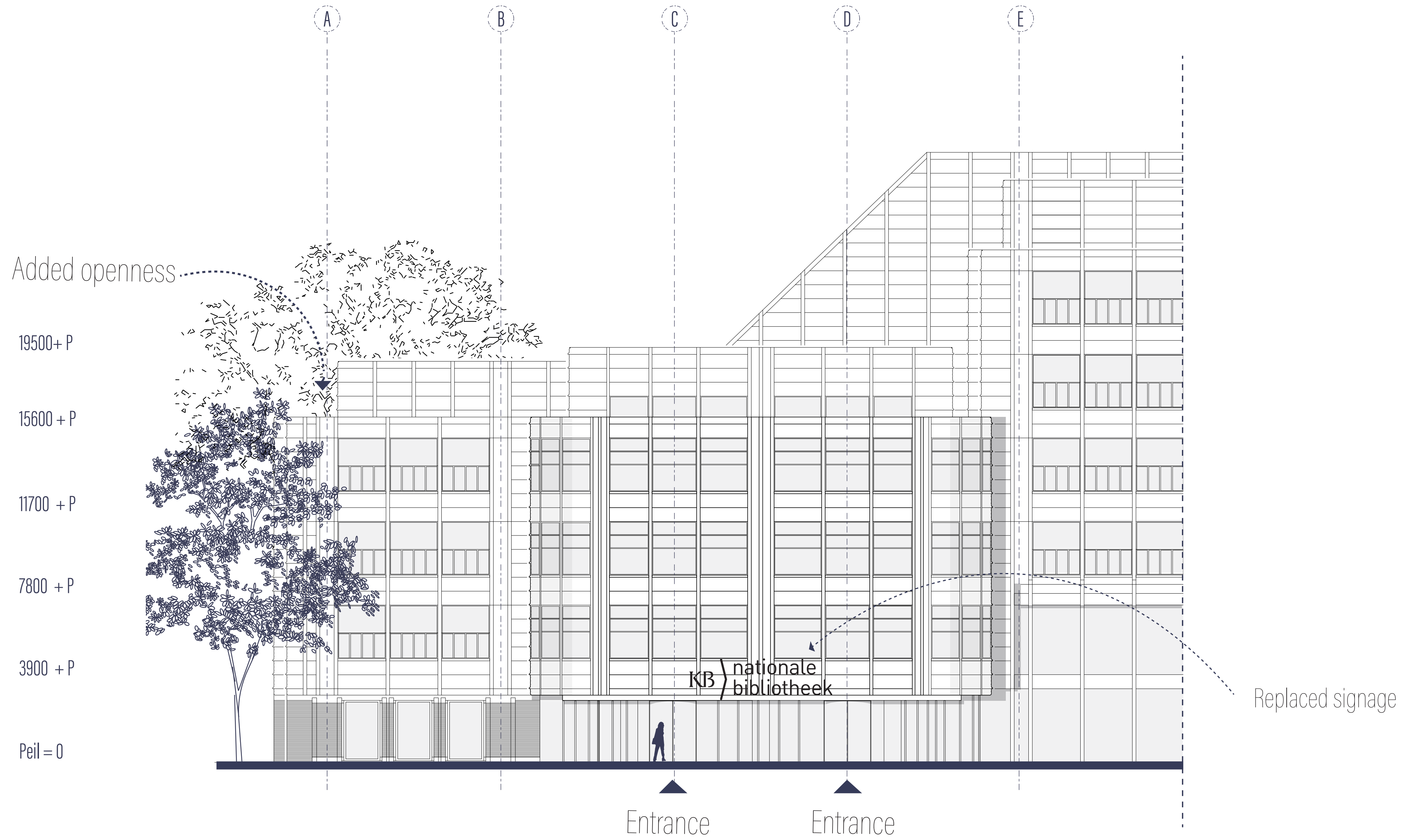
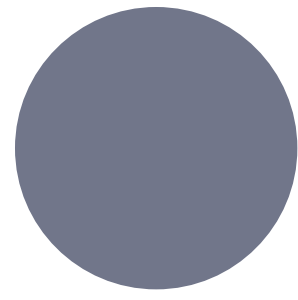


Floorplan 1st & 2nd

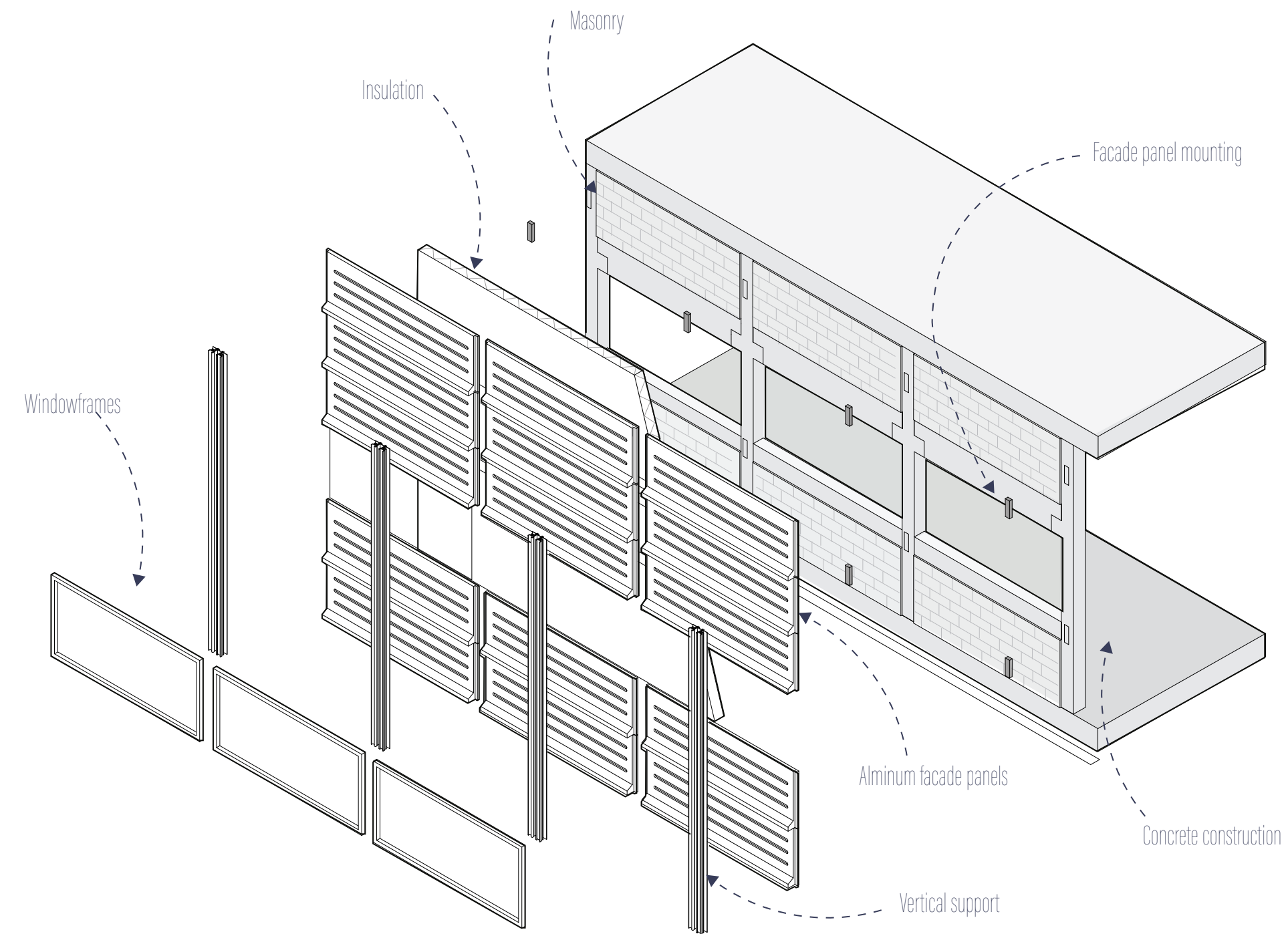
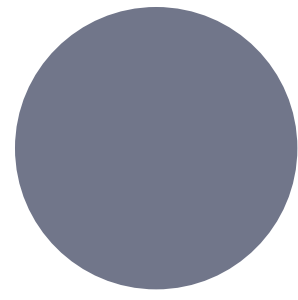




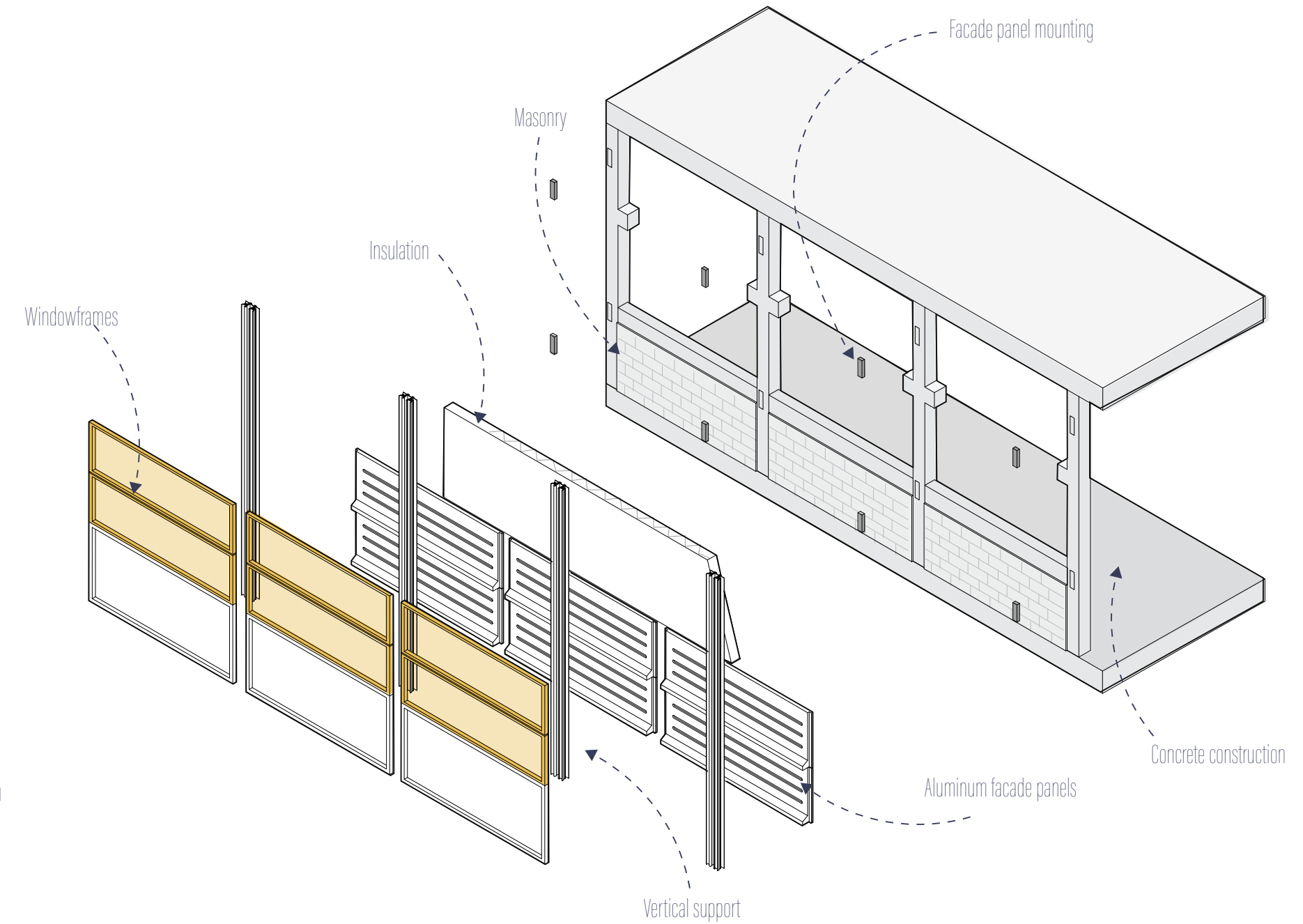
current entrance elevation



entrance elevation // design

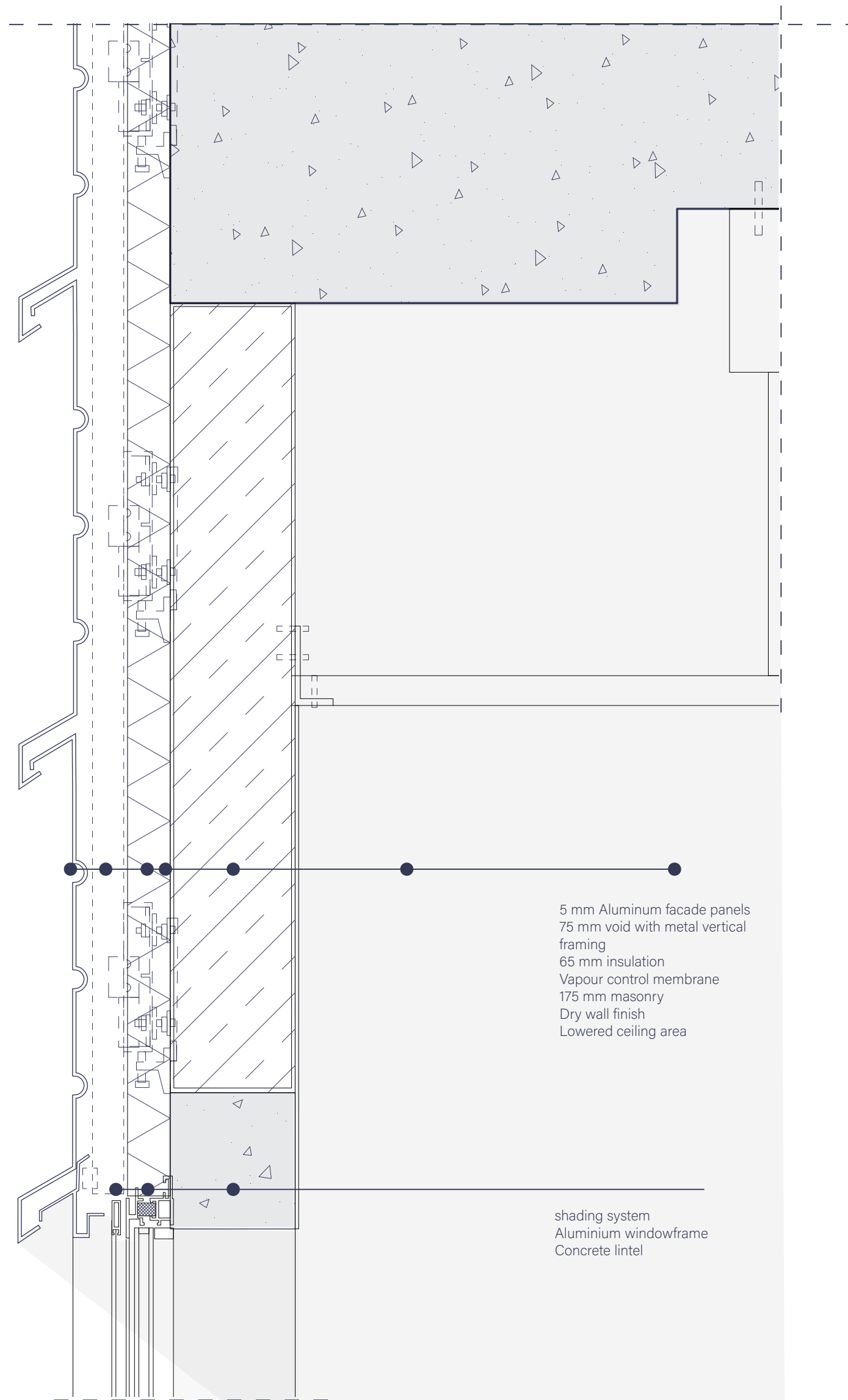
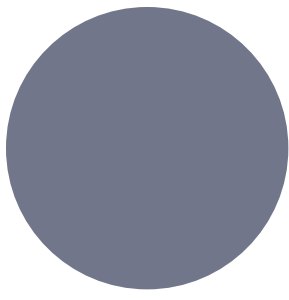


0. Current

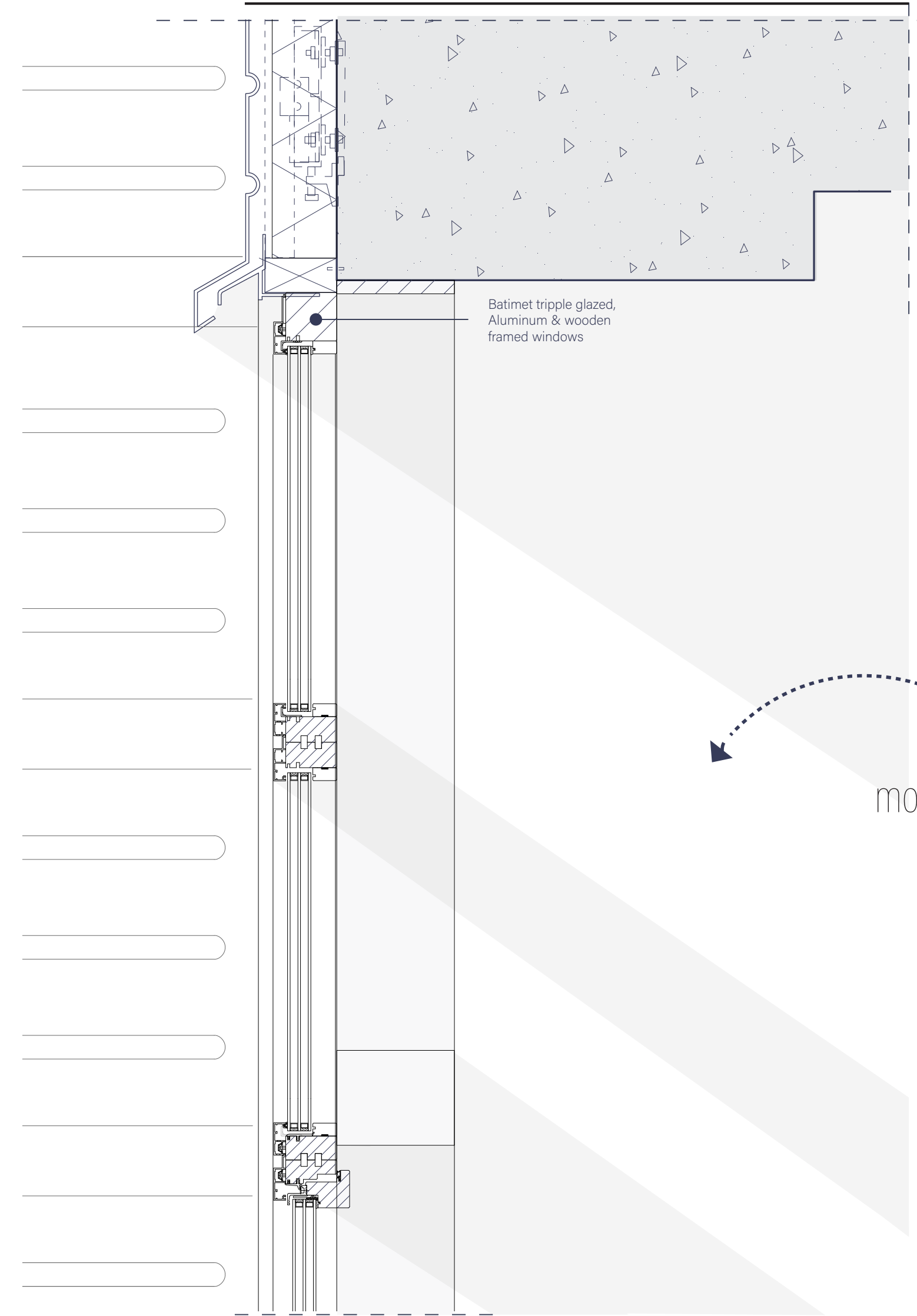


1. Library

facade strategy



current

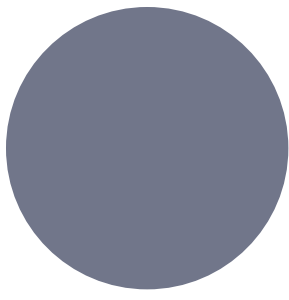


Batimet tripple glazed,
Aluminum & wooden
framed windows

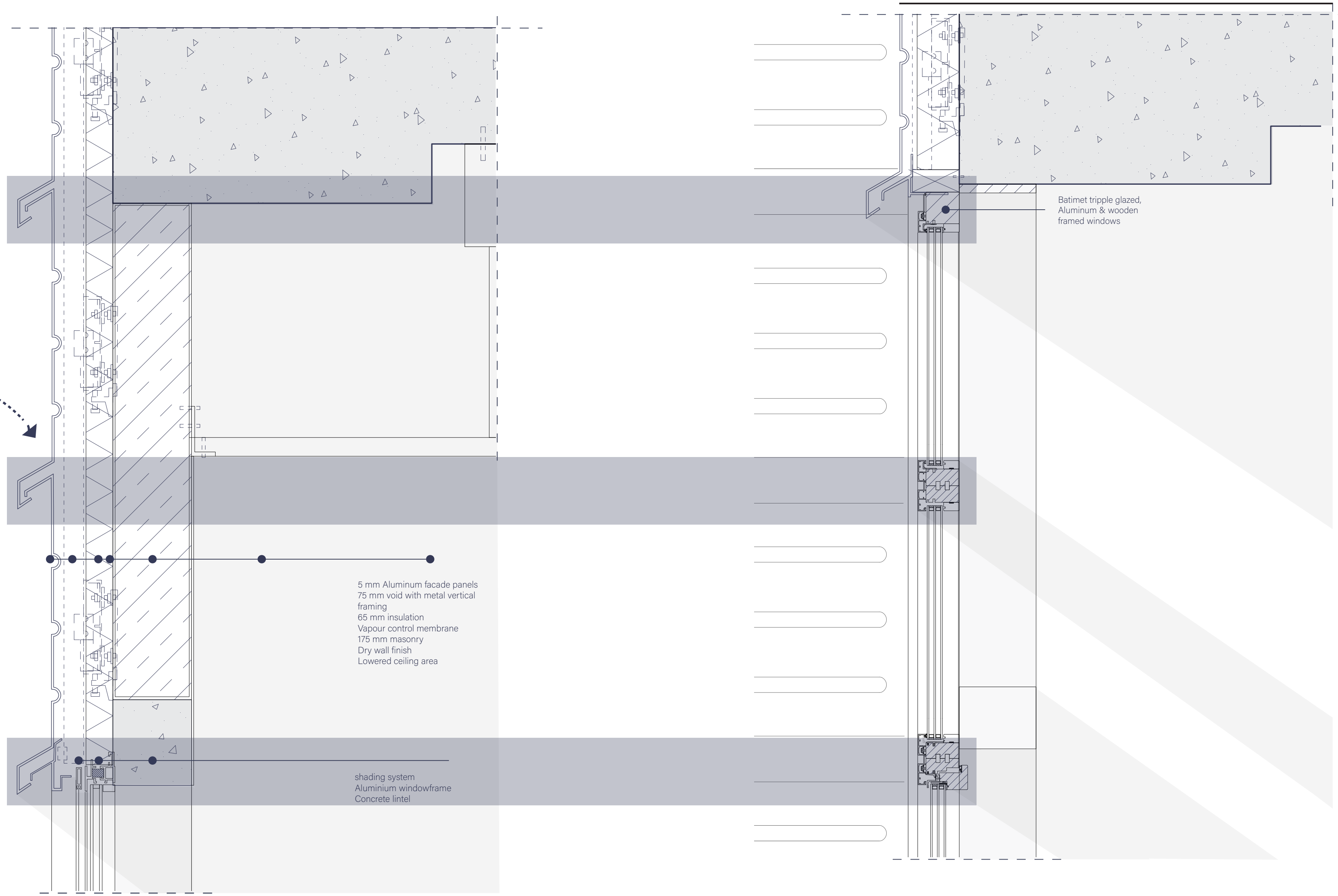
more light & transparency!

design

detail V1



using the existing
horizontal grid



5 mm Aluminum facade panels
75 mm void with metal vertical
framing
65 mm insulation
Vapour control membrane
175 mm masonry
Dry wall finish
Lowered ceiling area

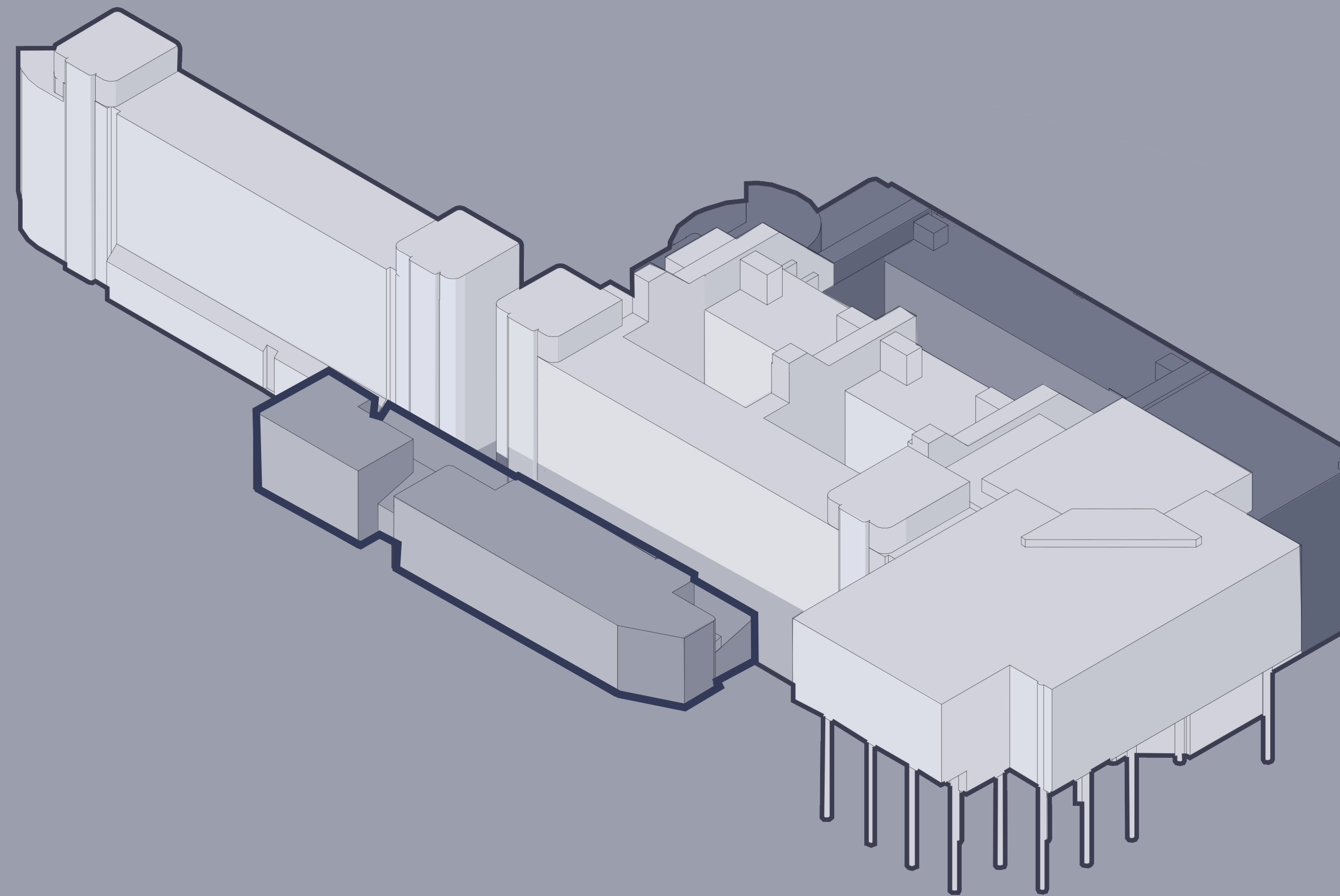
shading system
Aluminium windowframe
Concrete lintel

Batimet tripple glazed,
Aluminum & wooden
framed windows

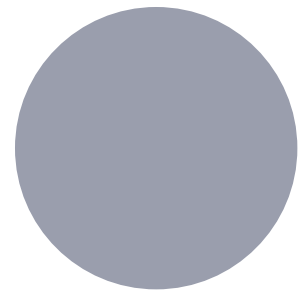
current

design

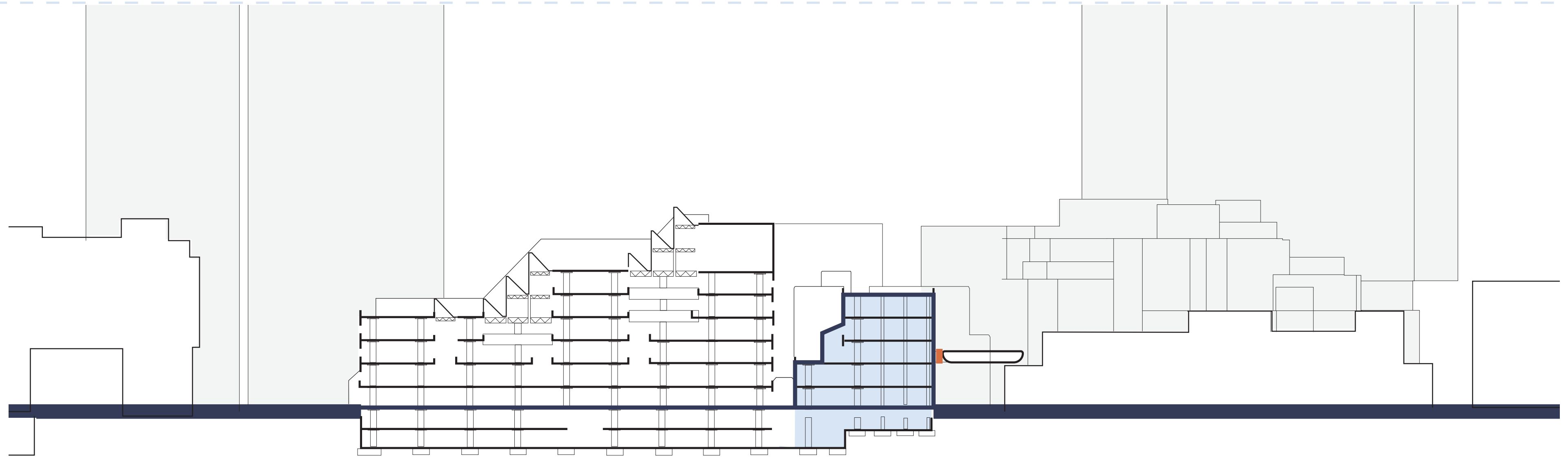
detail V1



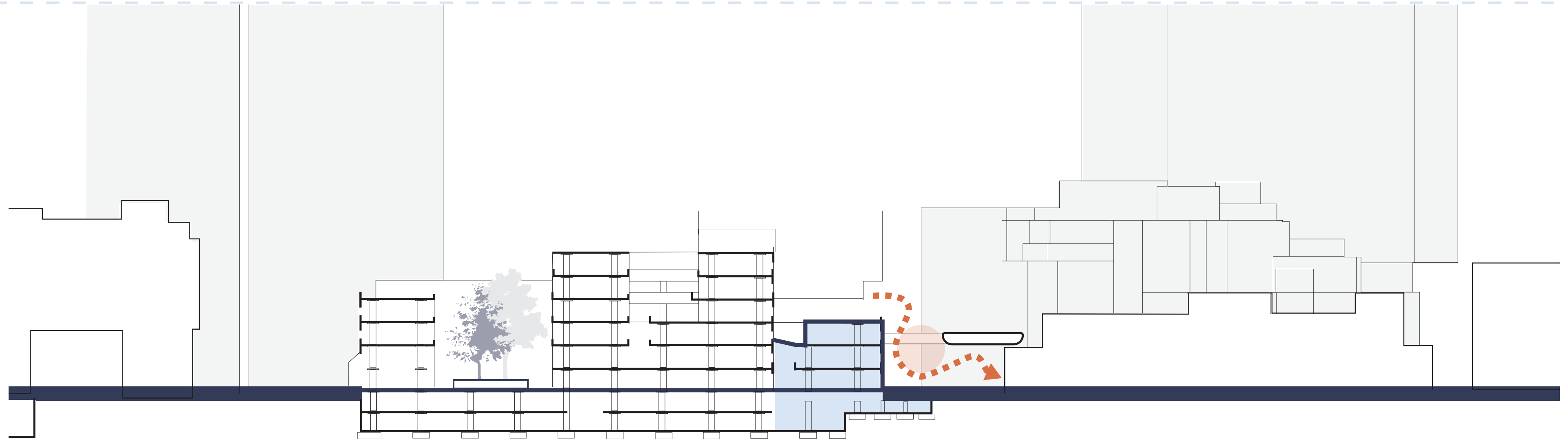
the workshop



current



design



0 10 20 30 40 50

interventions

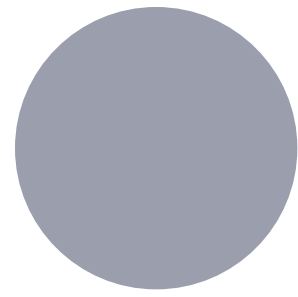
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Removing floor



Adding glass roof

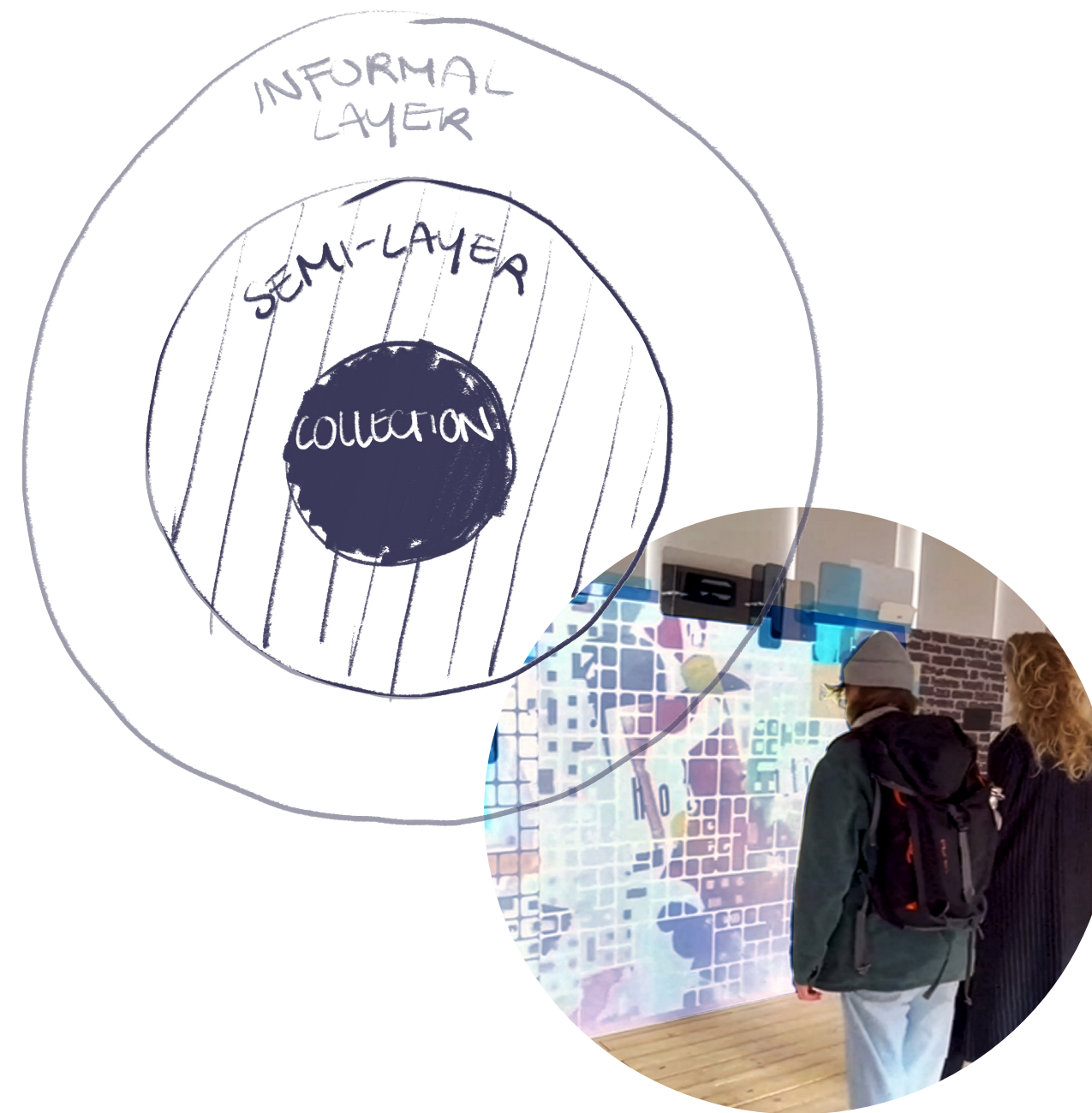


1 Research

KB Visitors
Personal & Academic

2 KB inhouse

KB Employees
Digitalization, Restore & repair
collection, KB Atelier



3 Translation

External partner:
Netwerk Digitaal Erfgoed
Digilab

4 Heritage crafts

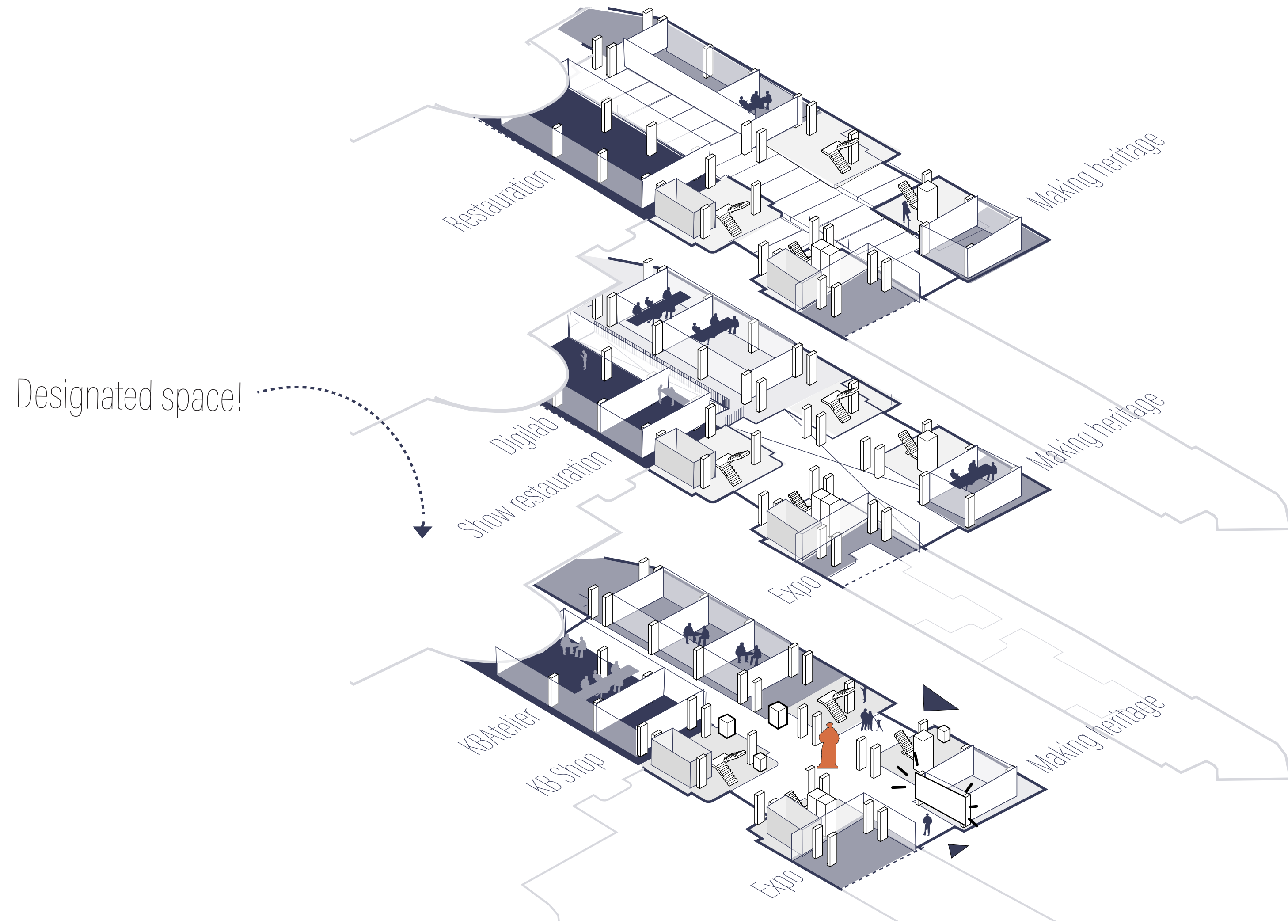
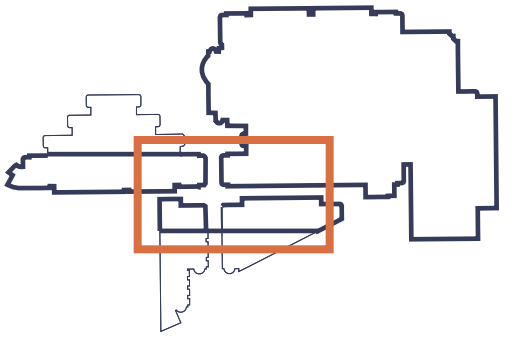
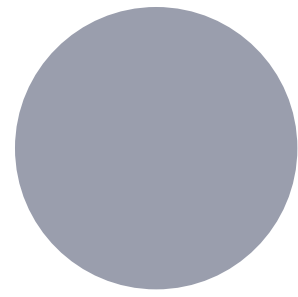
External partner: Ambacht
Nederland
For example; frysian woodcutting,
Delft Blue painting



5 Make & Repair

KB visitors
Free for use workarea

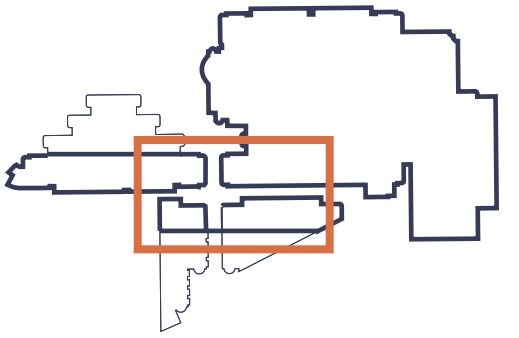
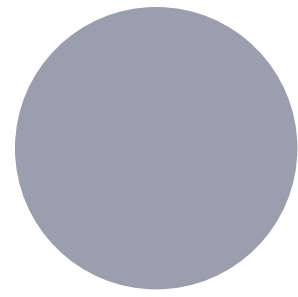
proposed program



Designated space!

- = Collectionlayer (KB)
- = Semi-layer (Partnerships)
- = informal layer (Free "making")

proposed program



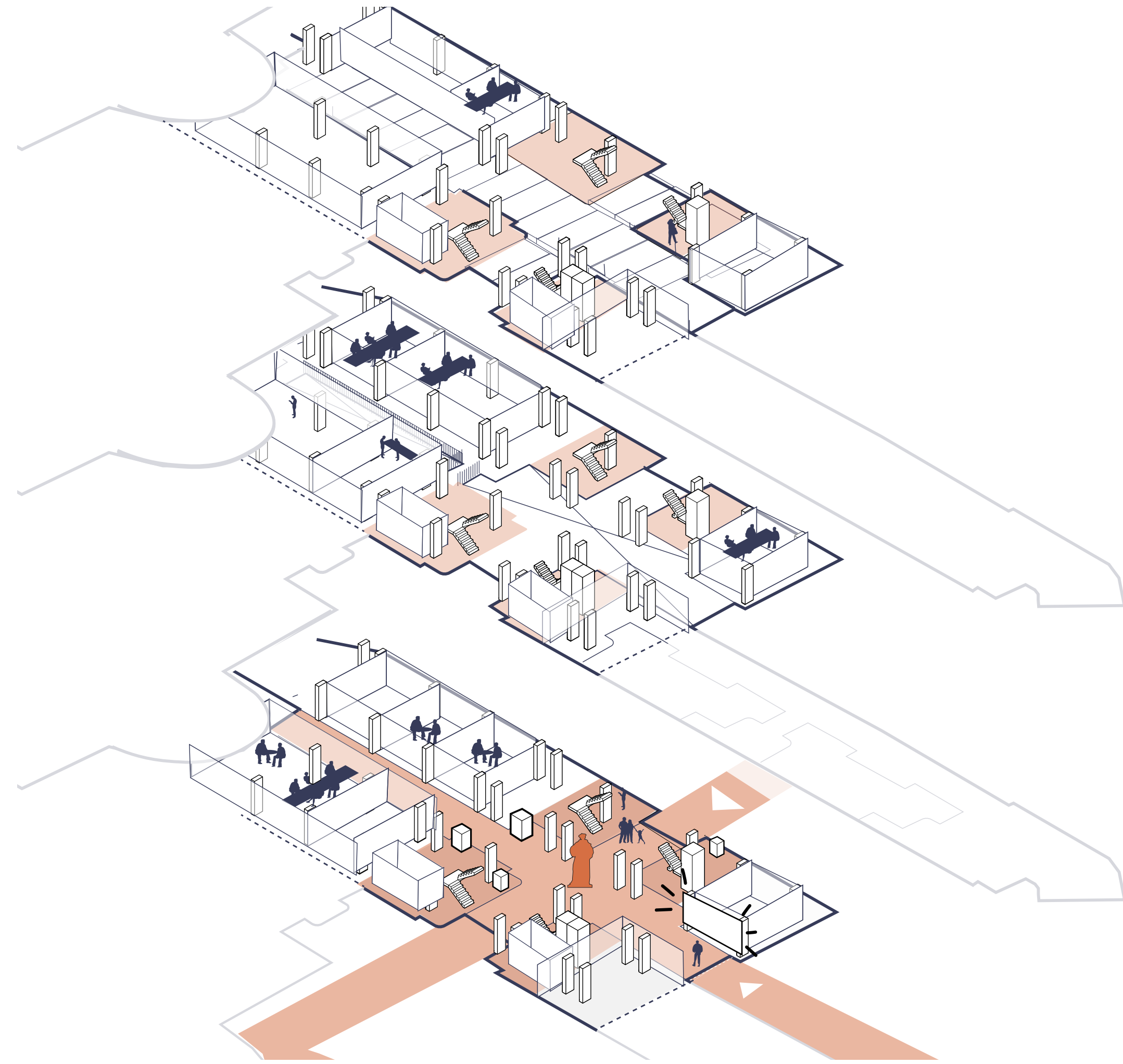
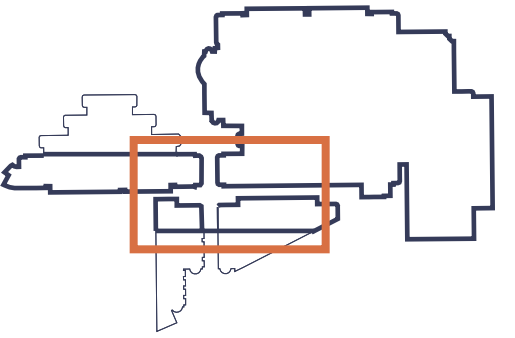
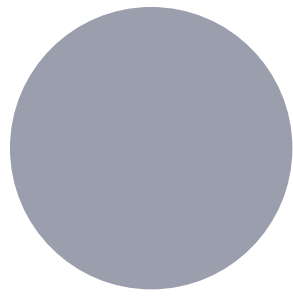
Lockable spaces!

Storage spaces!



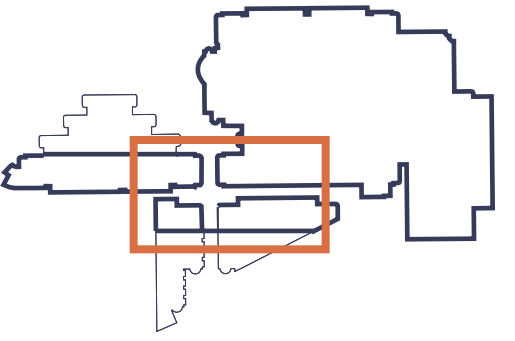
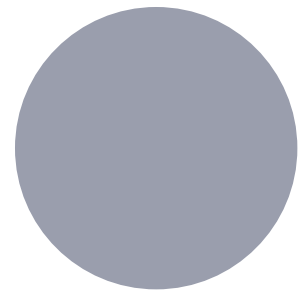
= Collectionlayer (KB)
 = Semi-layer (Partnerships)
 = Free "making"

ground floorplan workshop

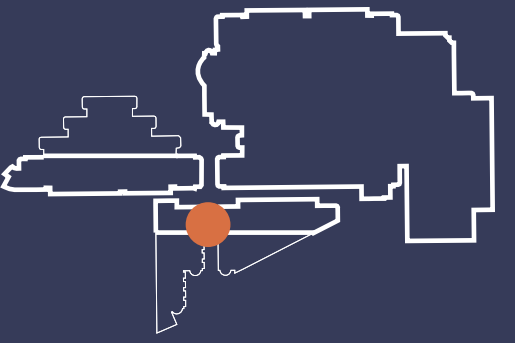


● = Entrance square ● = Vertical connection

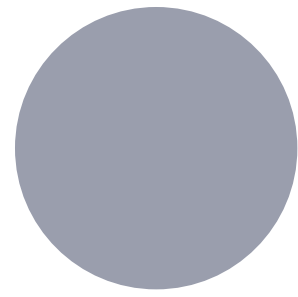
workshop square



current square

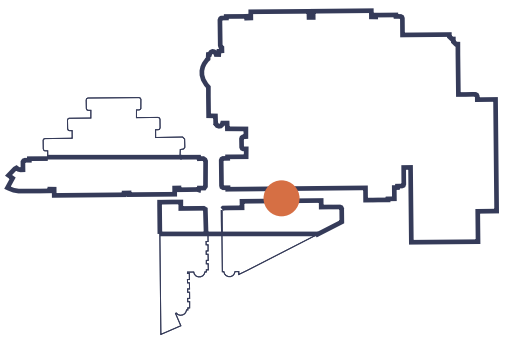


entrance // interior



warm materials

More light!



Designated space!

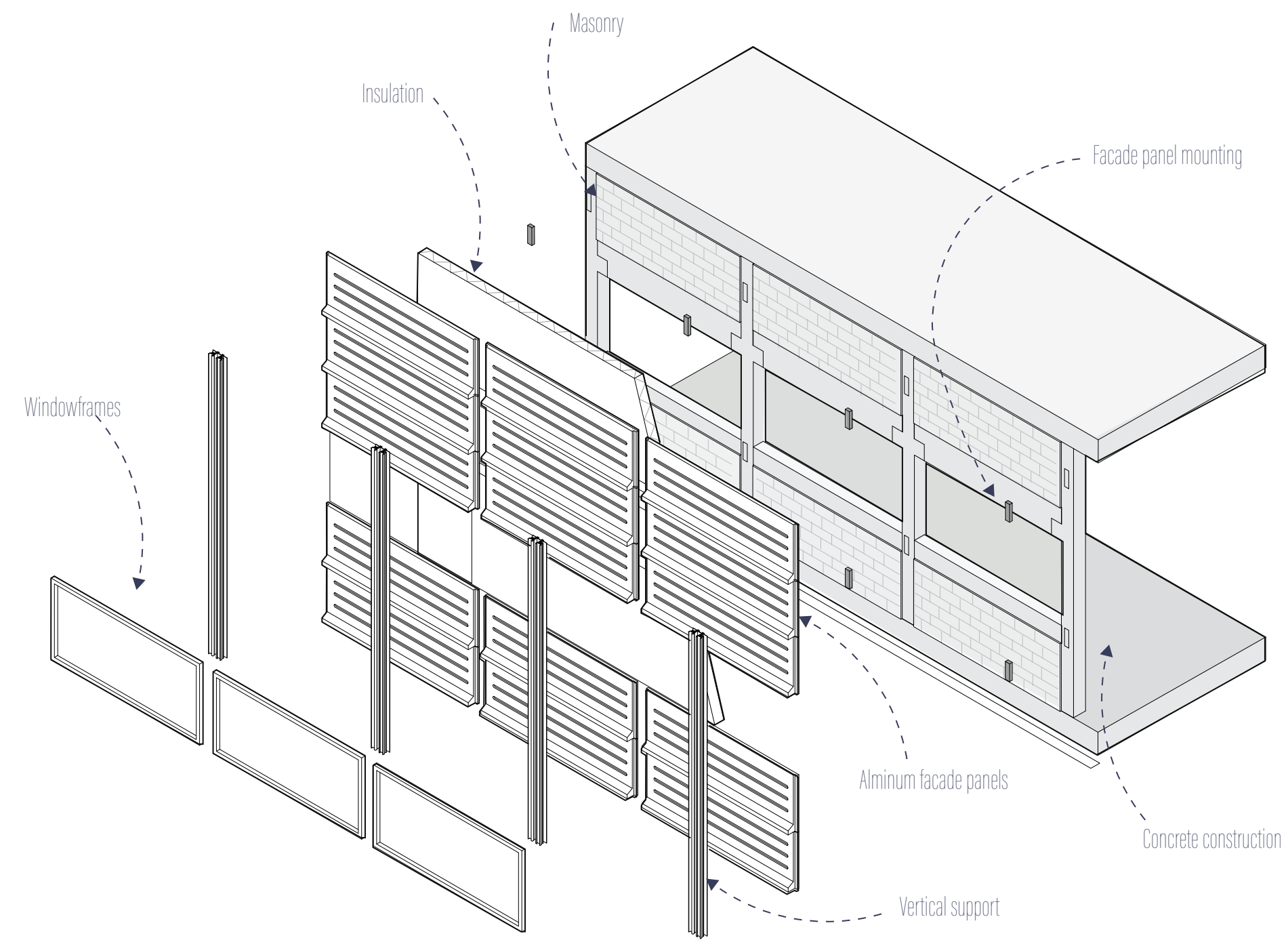
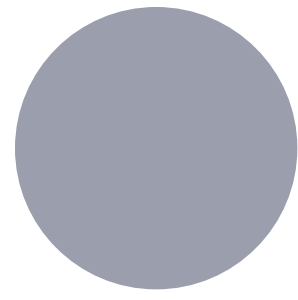
opened up!



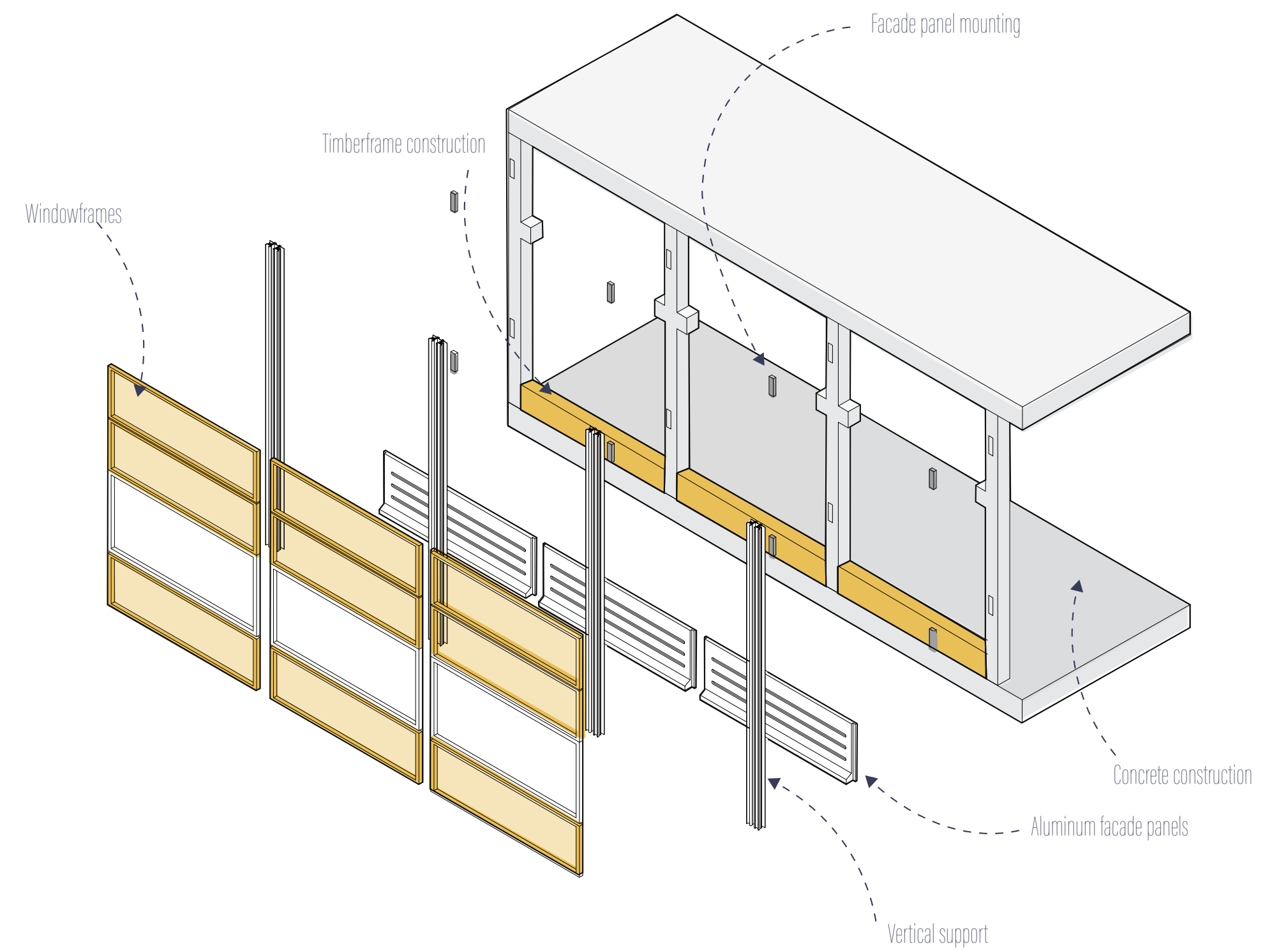
vertical connection

interior panel re-use

passage

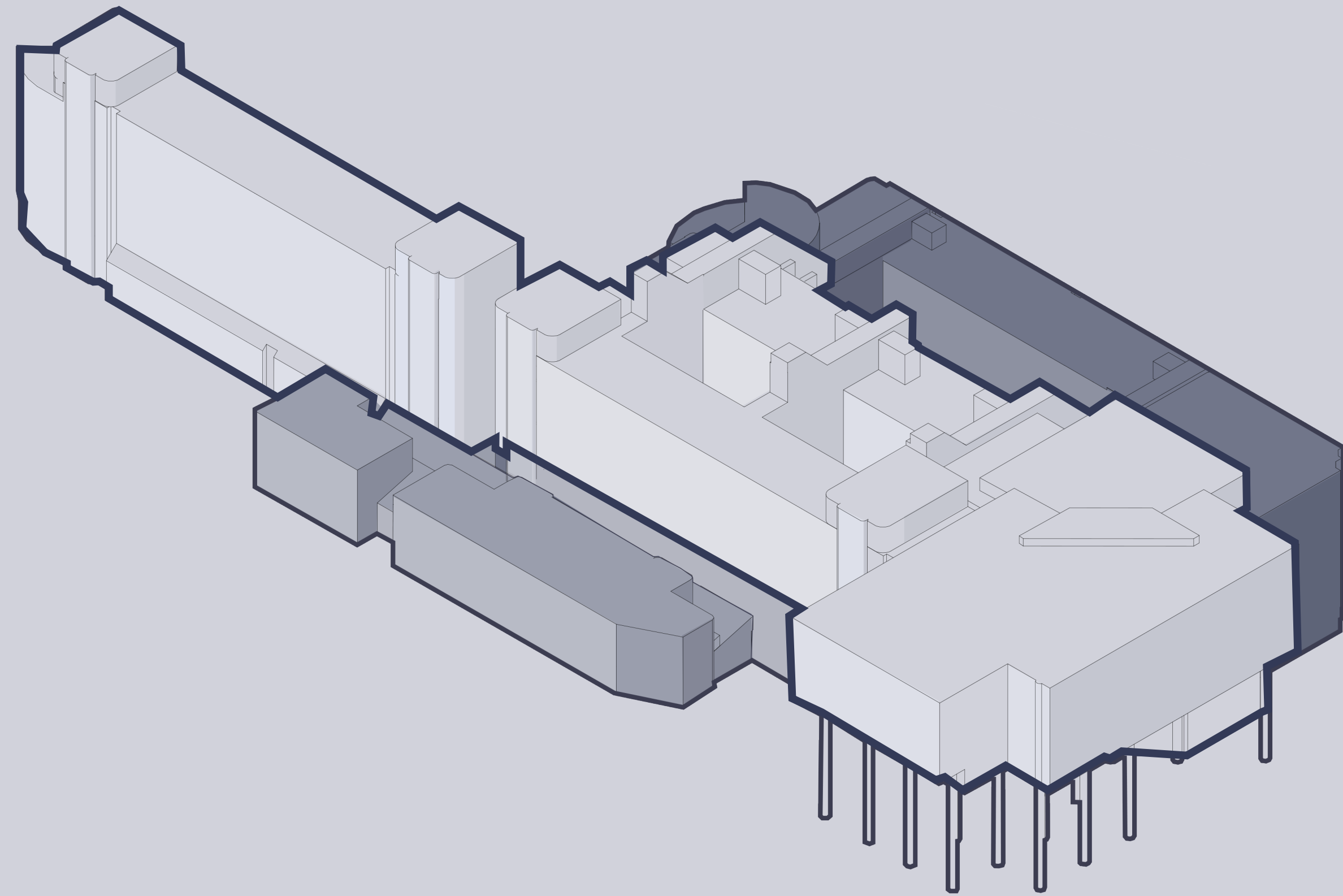


0. Current

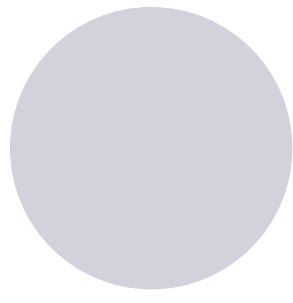


2. Workshop space

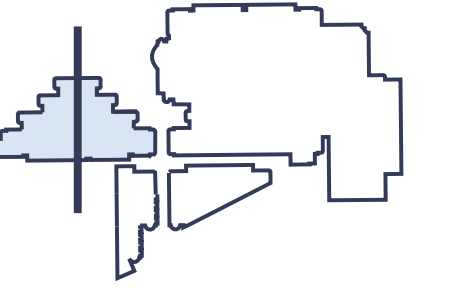
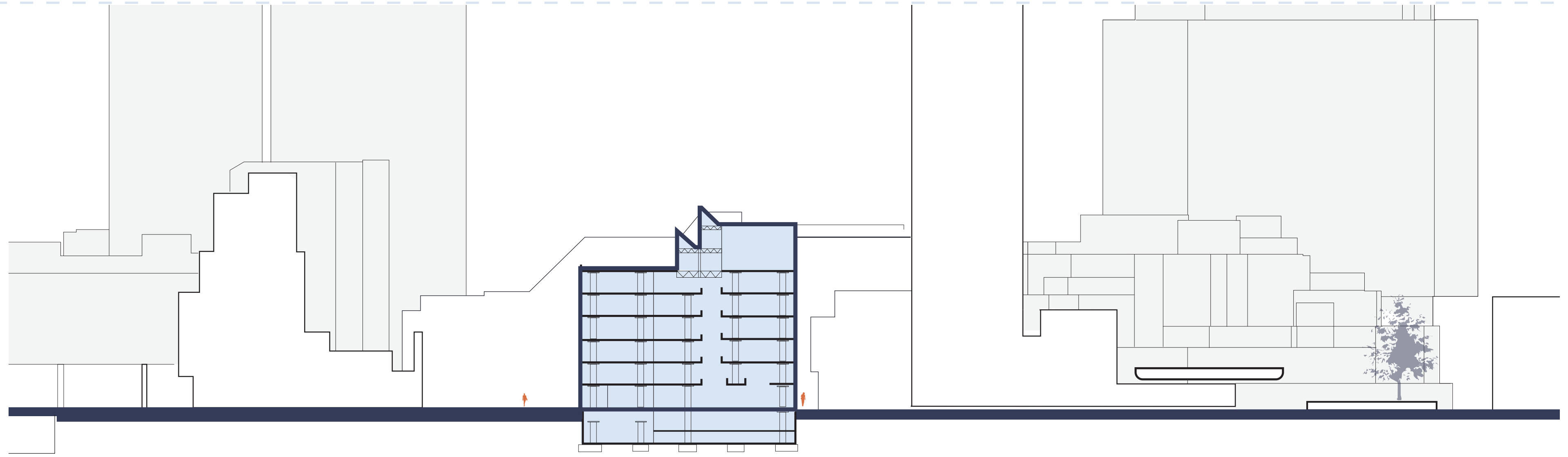
facade strategy



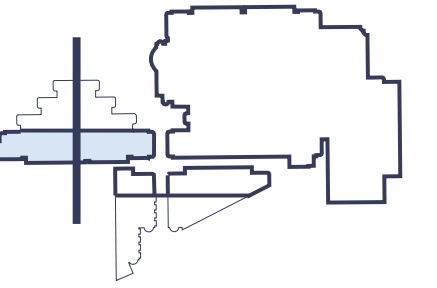
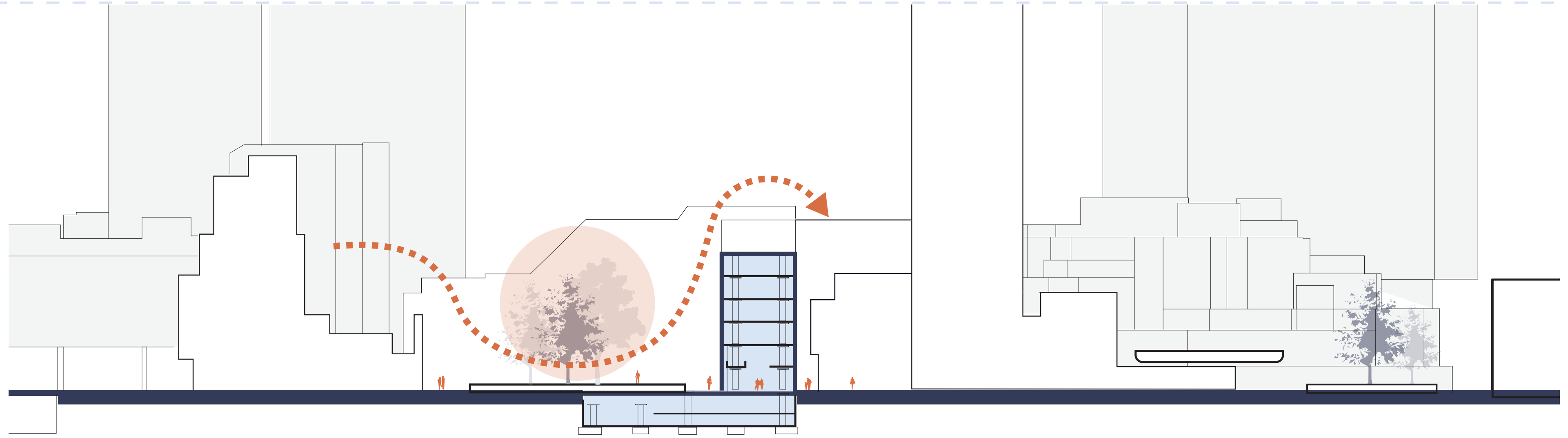
the flex



current

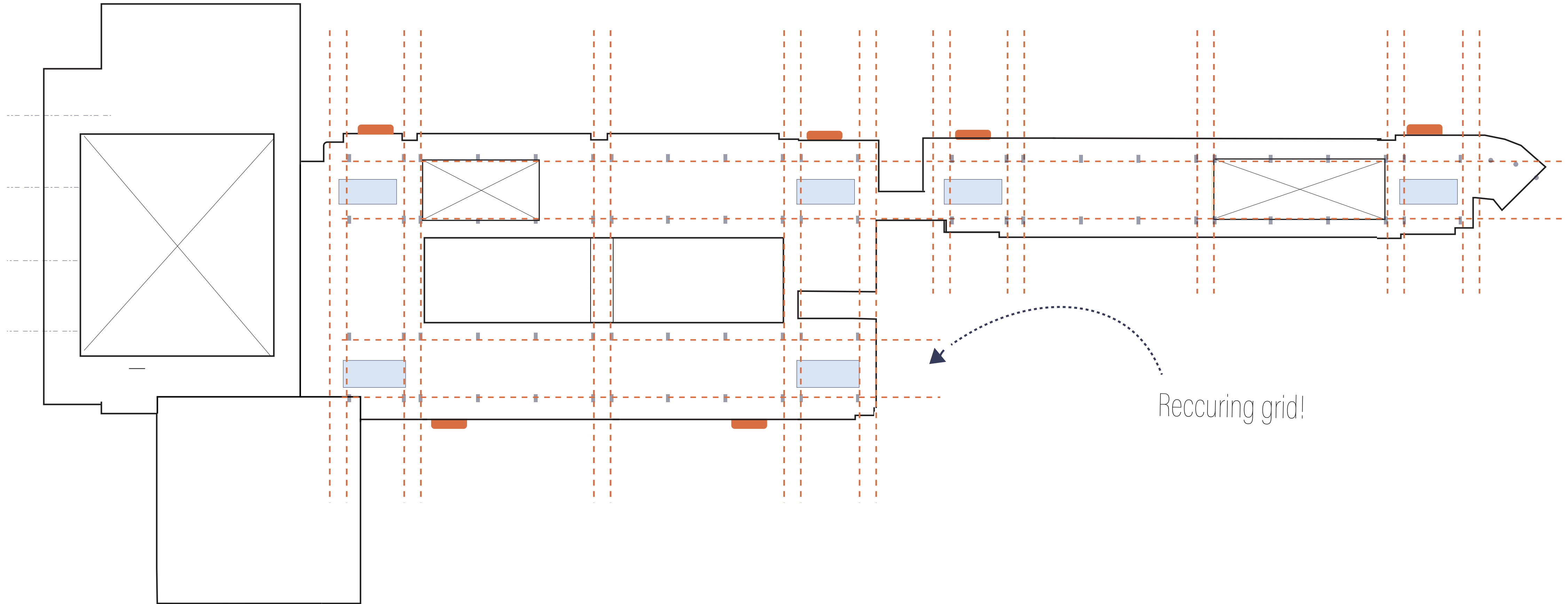
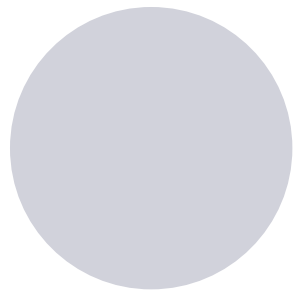


design

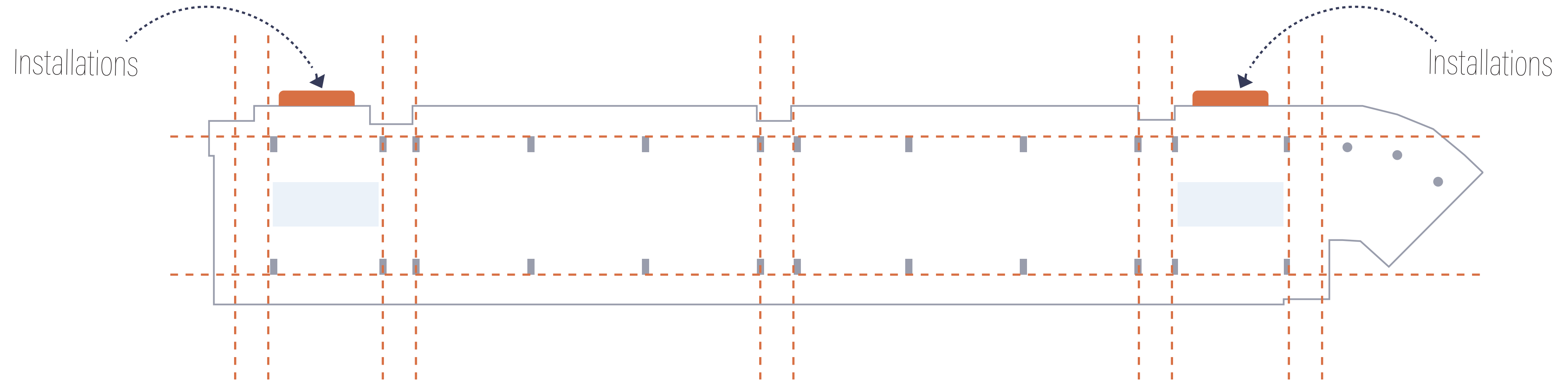
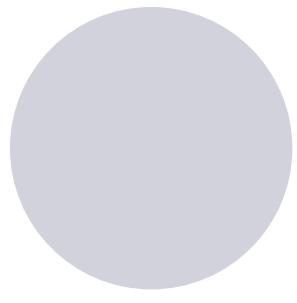


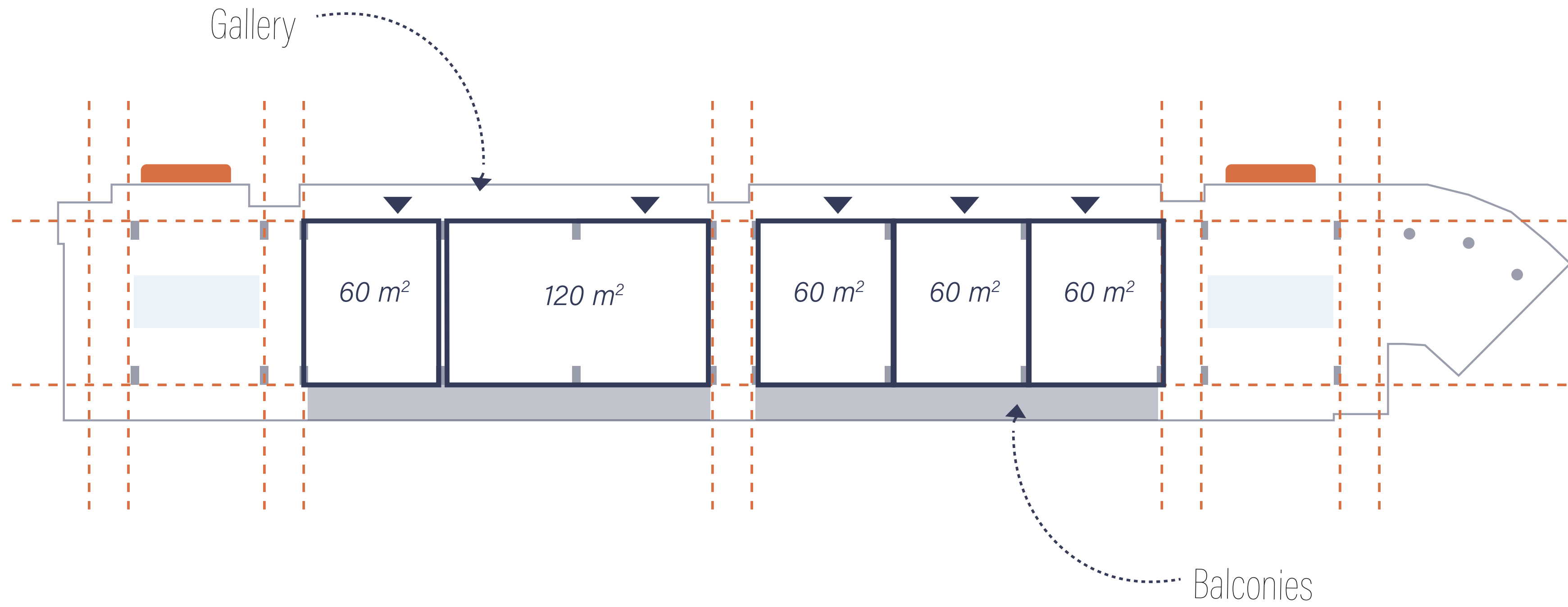
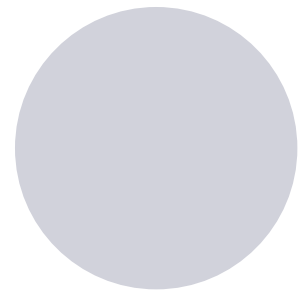
0 10 20 30 40 50

interventions

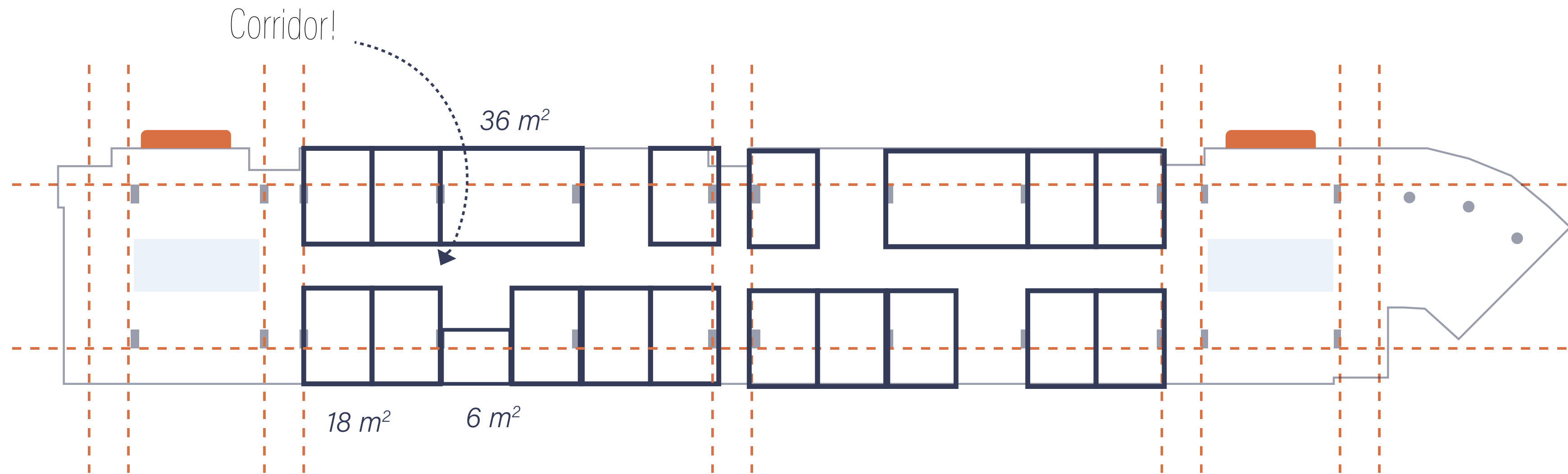
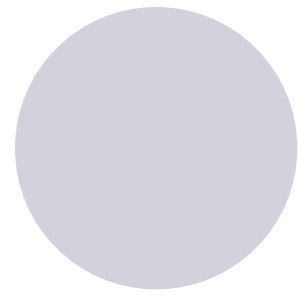


floorplan strategy

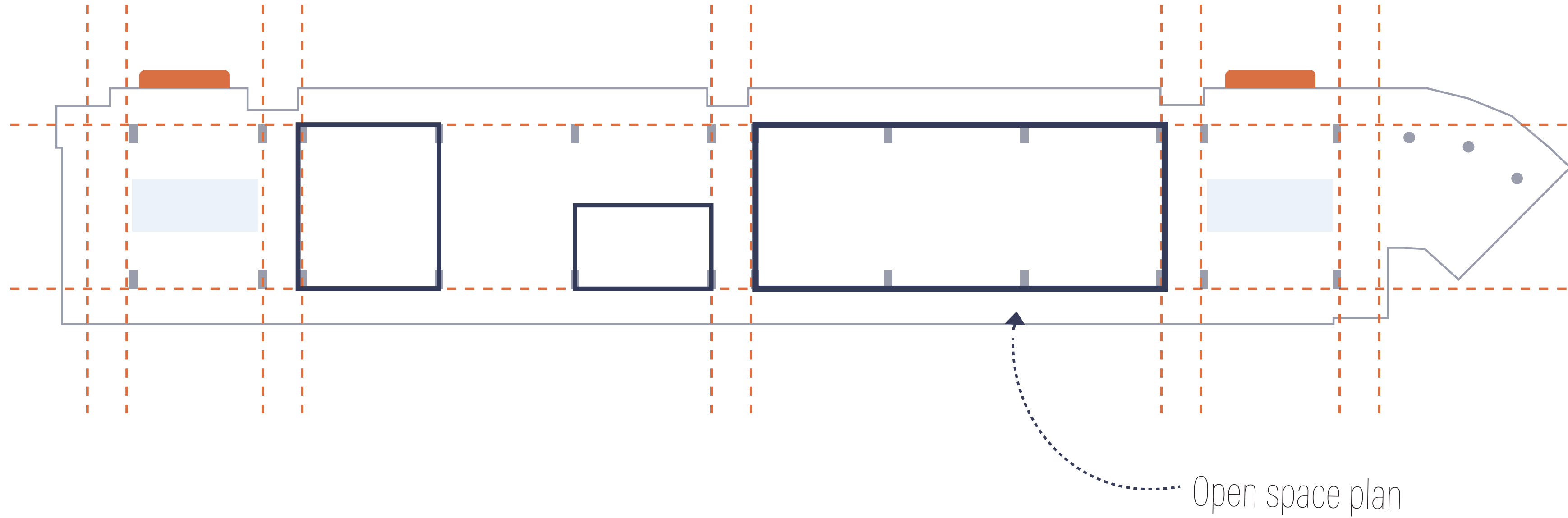
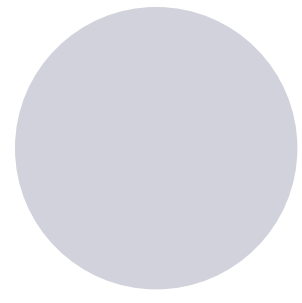




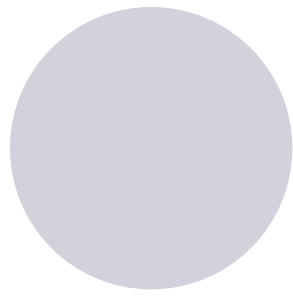
floorplan strategy



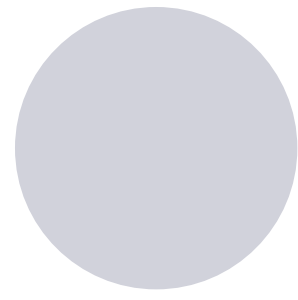
floorplan strategy



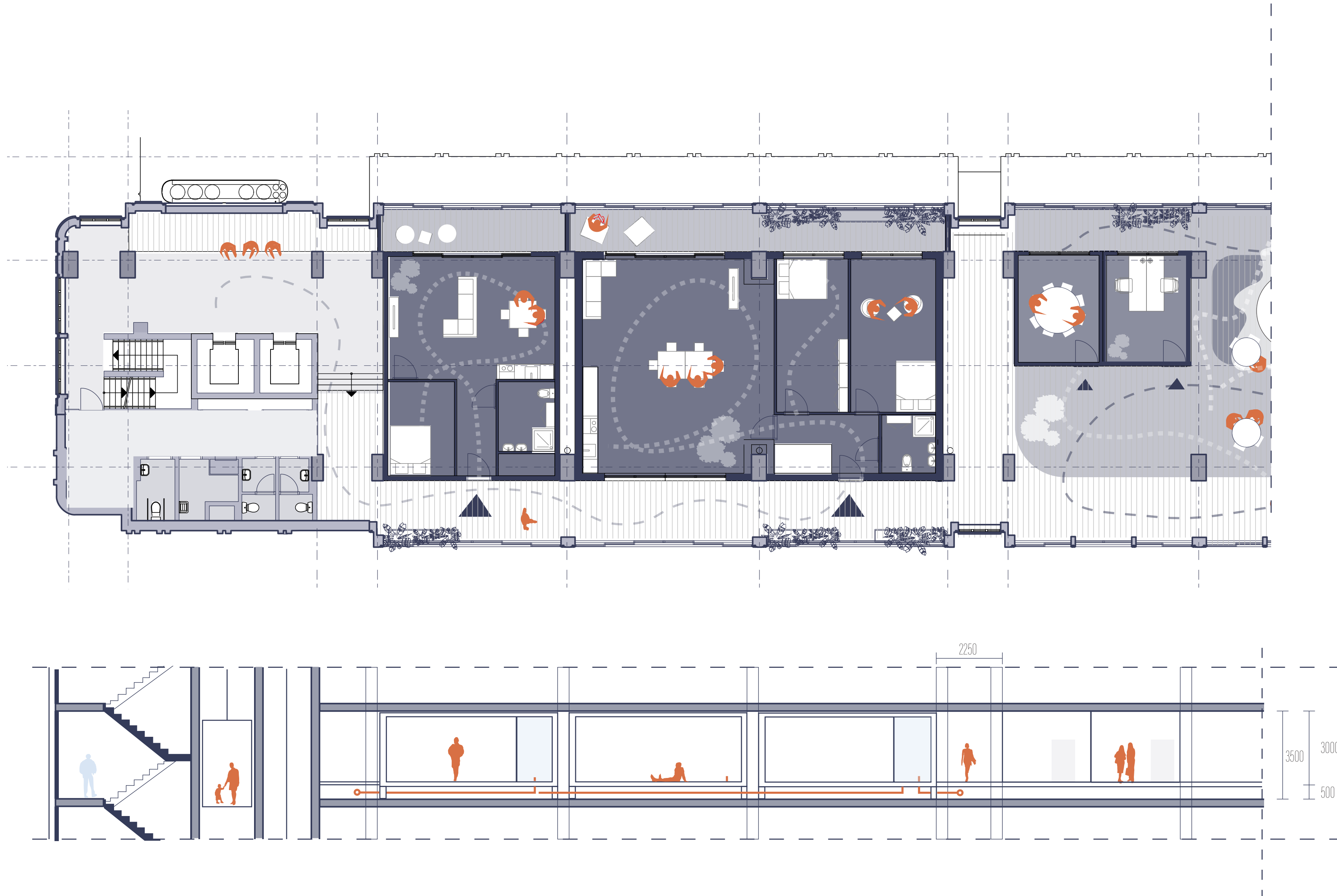
floorplan strategy



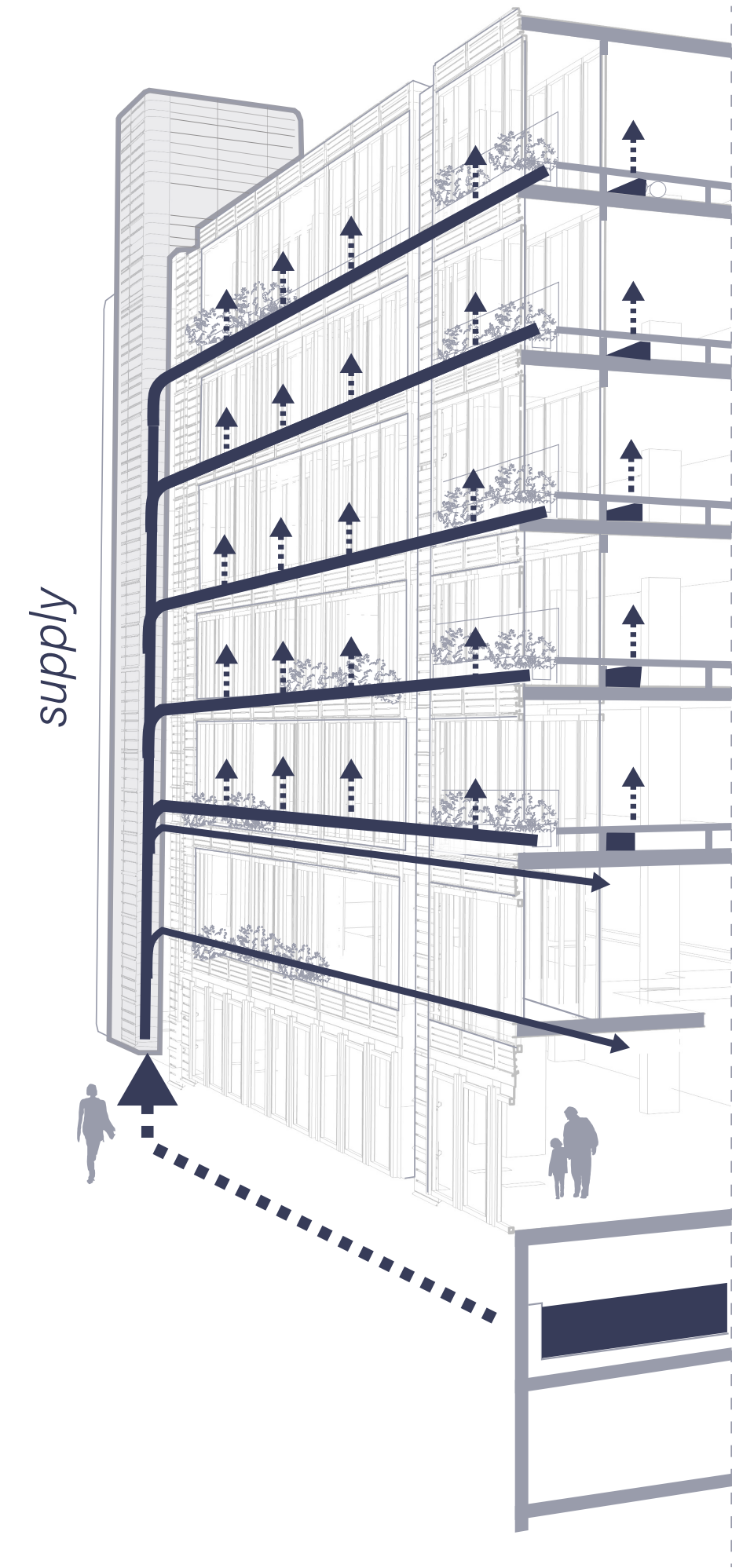
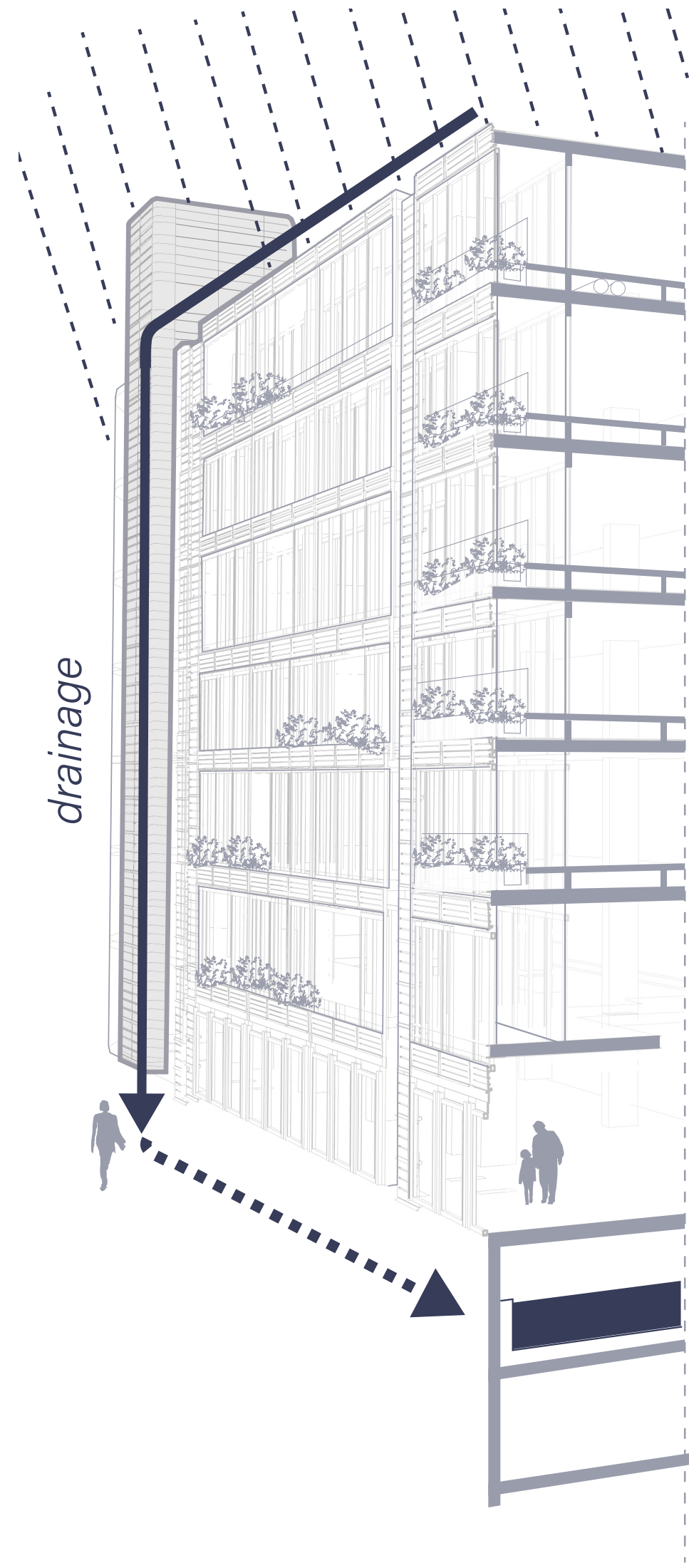
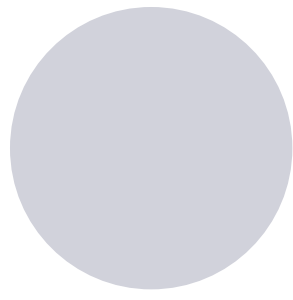
floorplan detailed



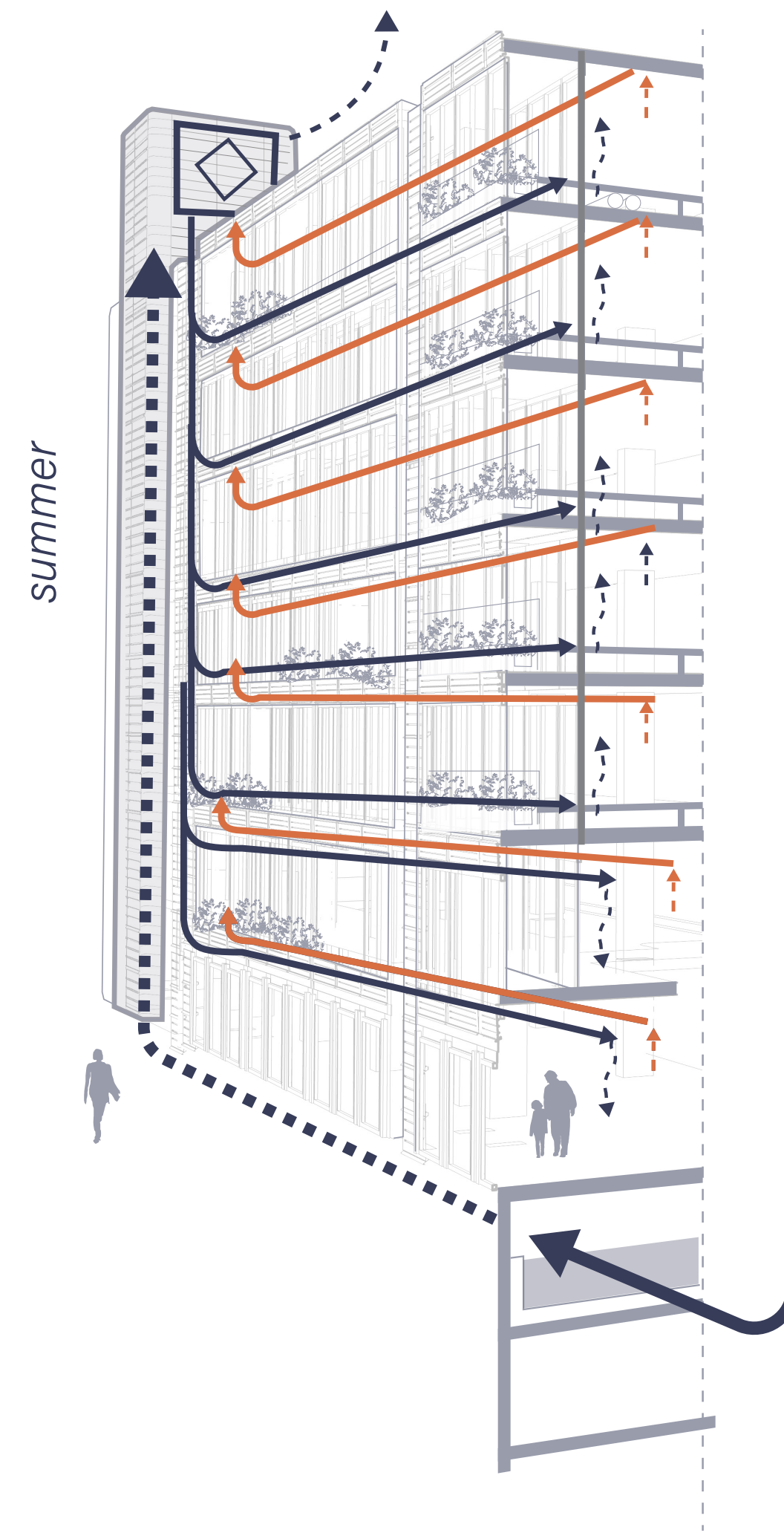
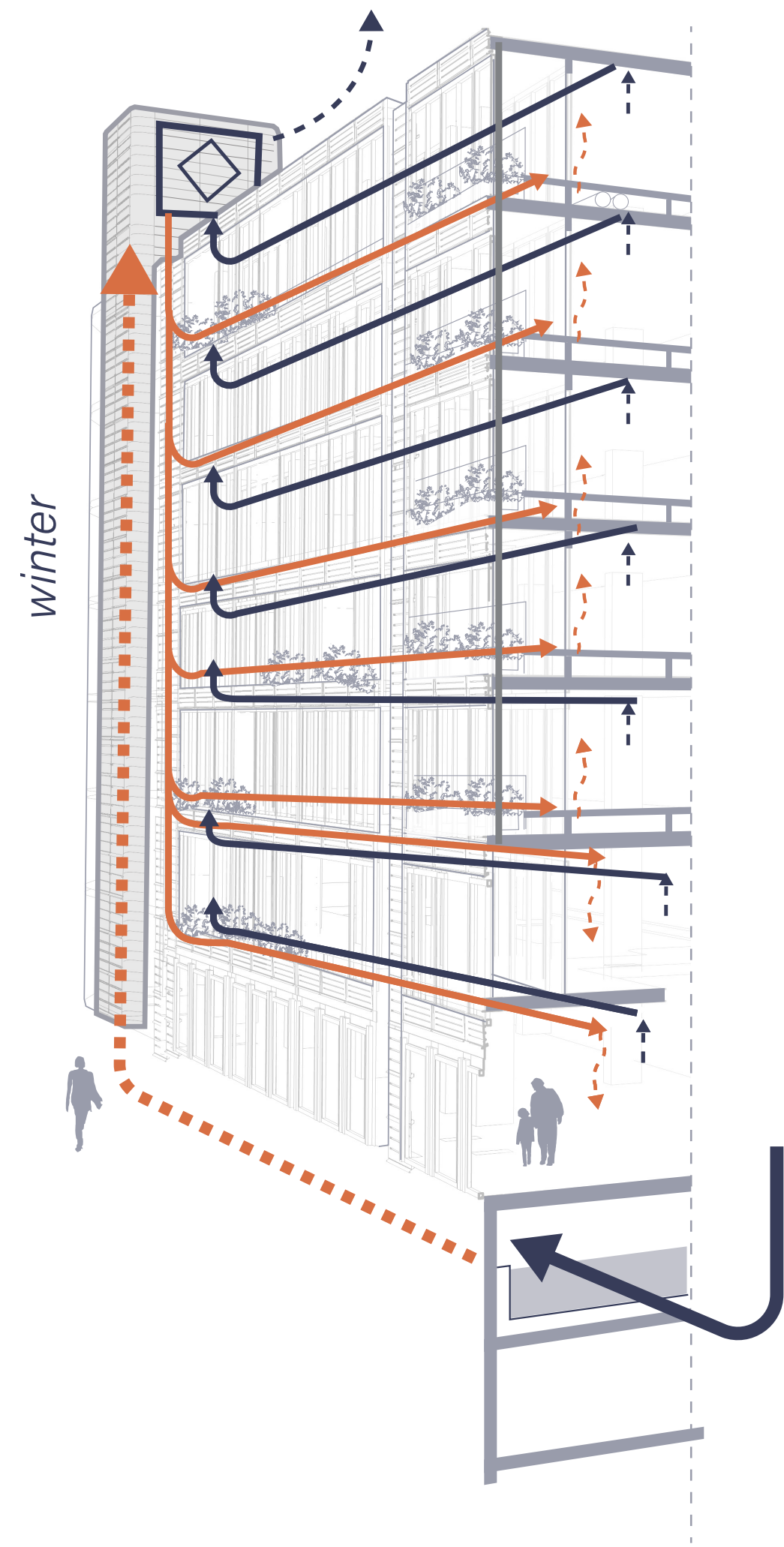
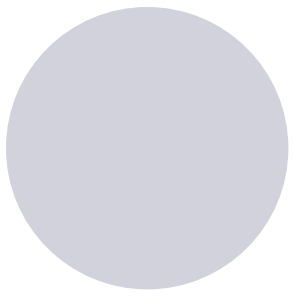
interior perspective



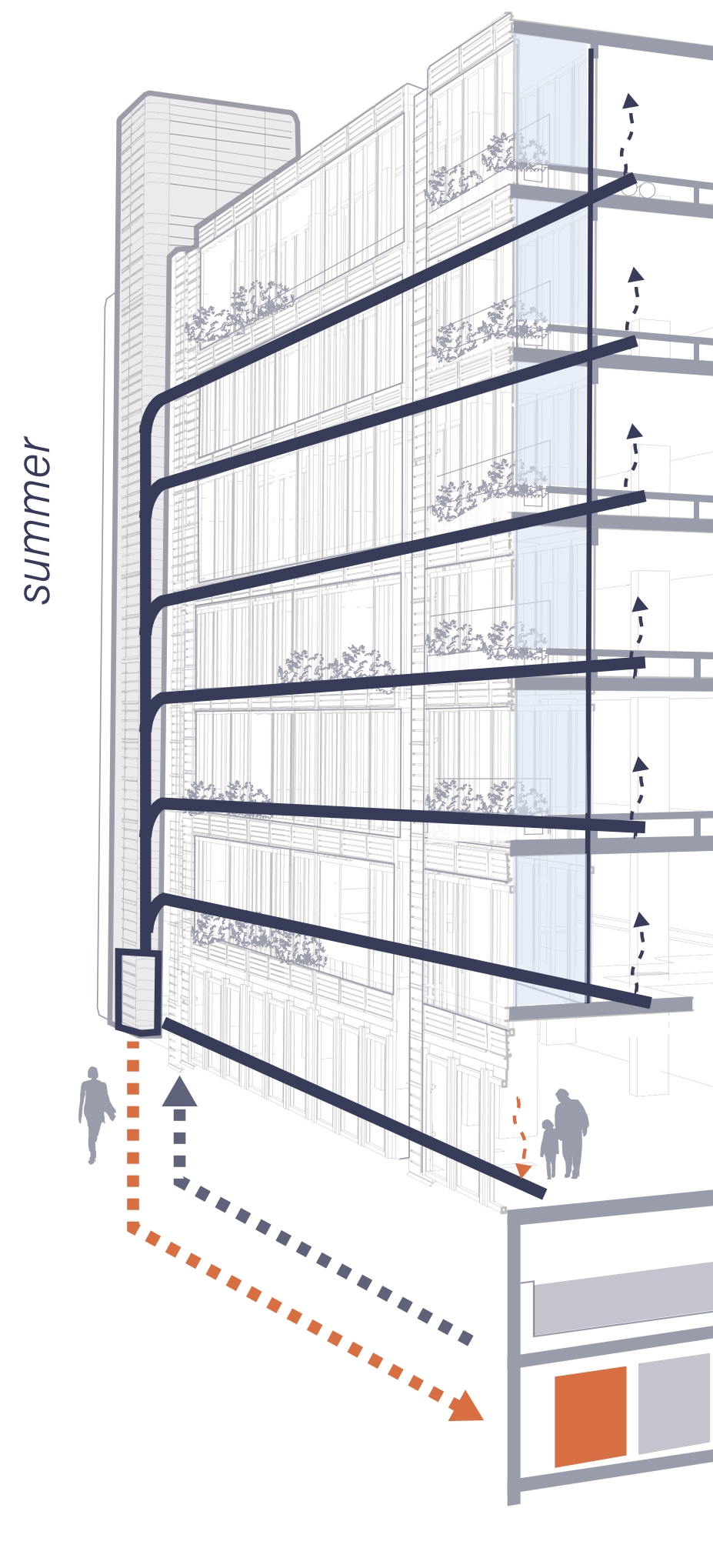
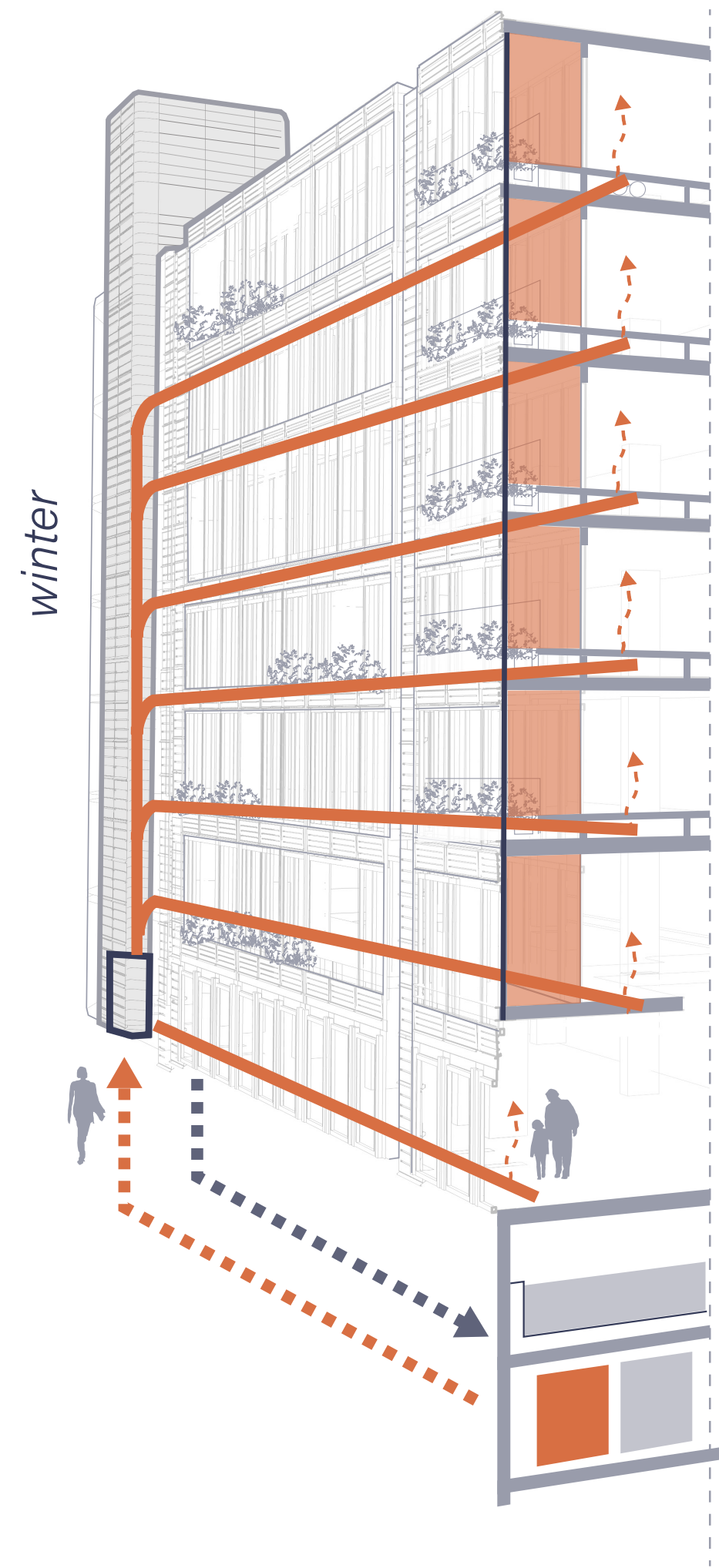
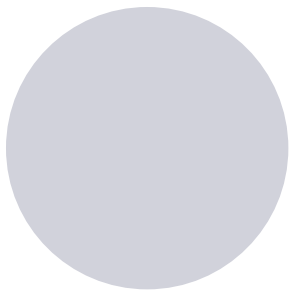
floor systems



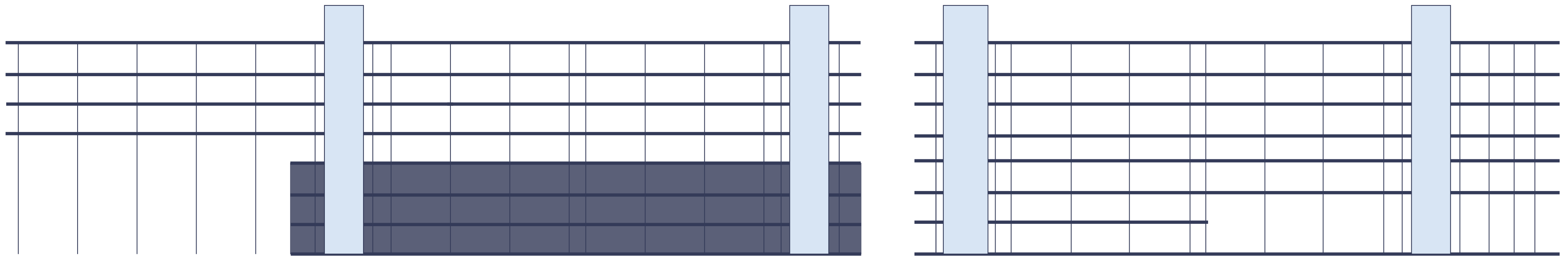
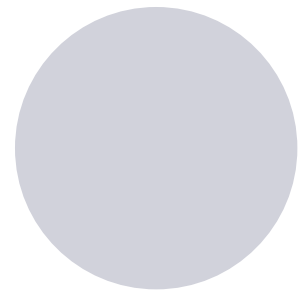
systems / water



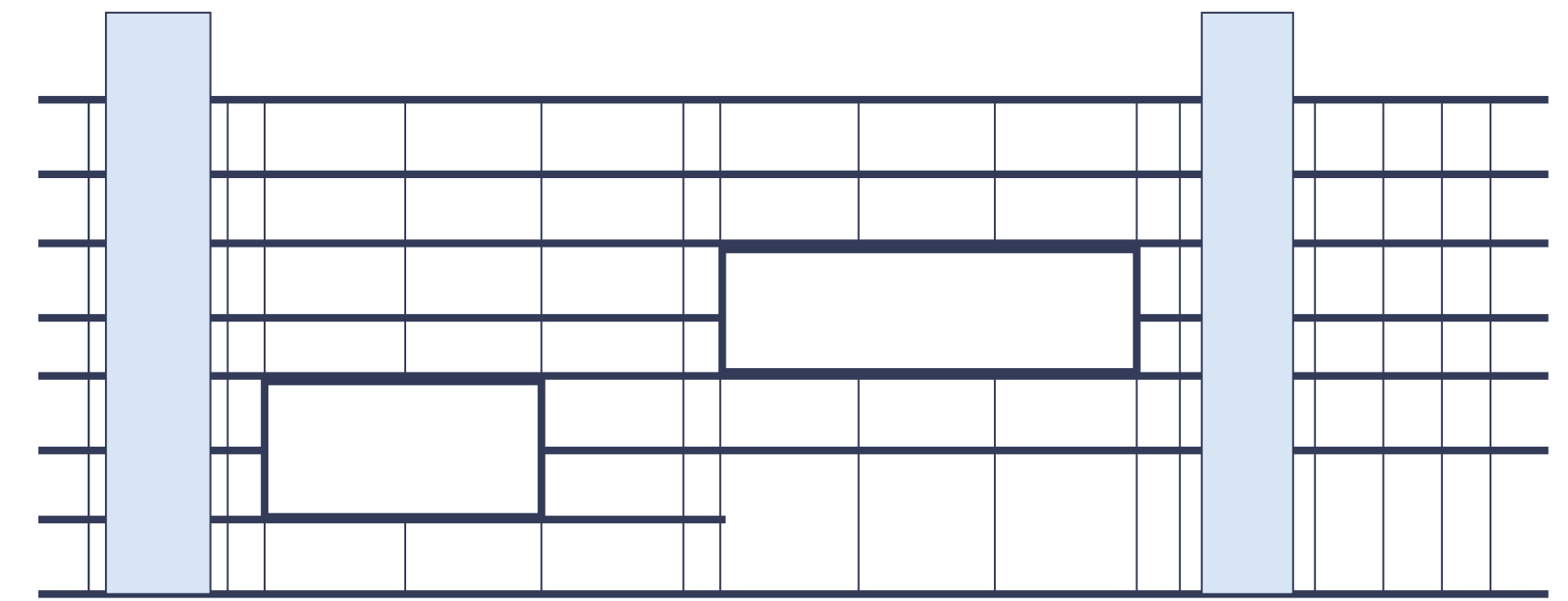
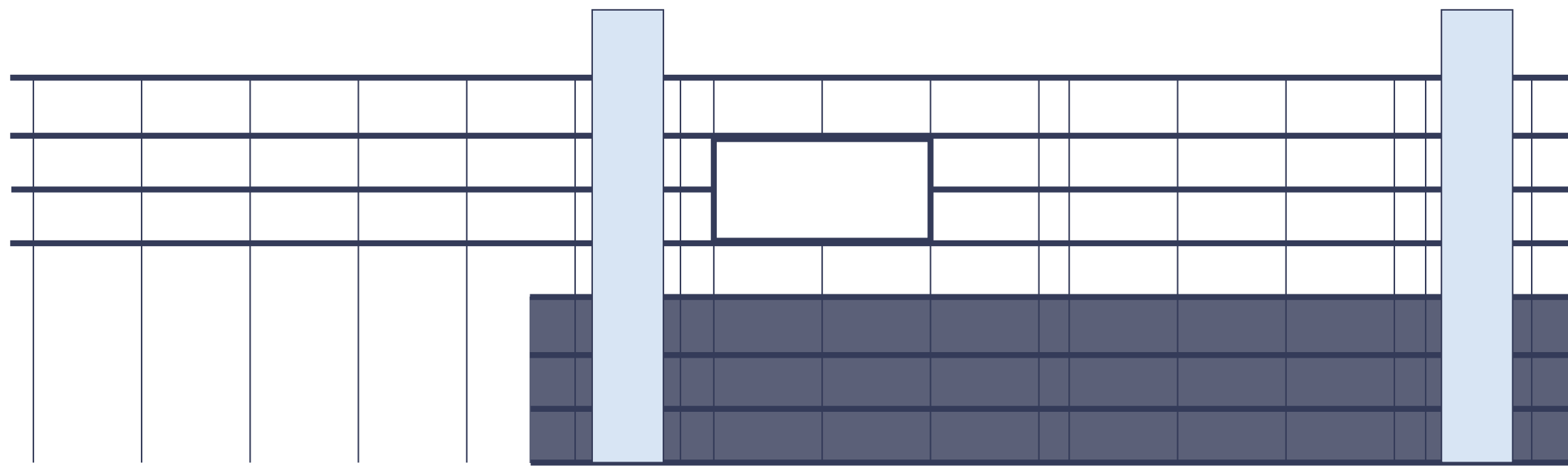
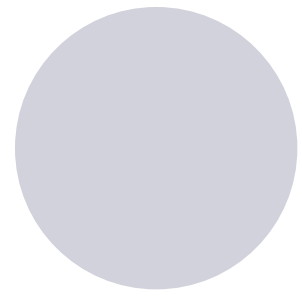
systems / ventilation



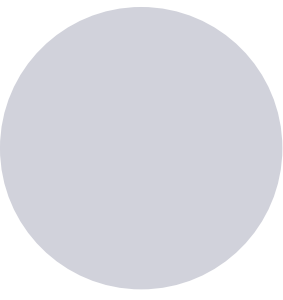
systems / temperature



● Library ● Systems

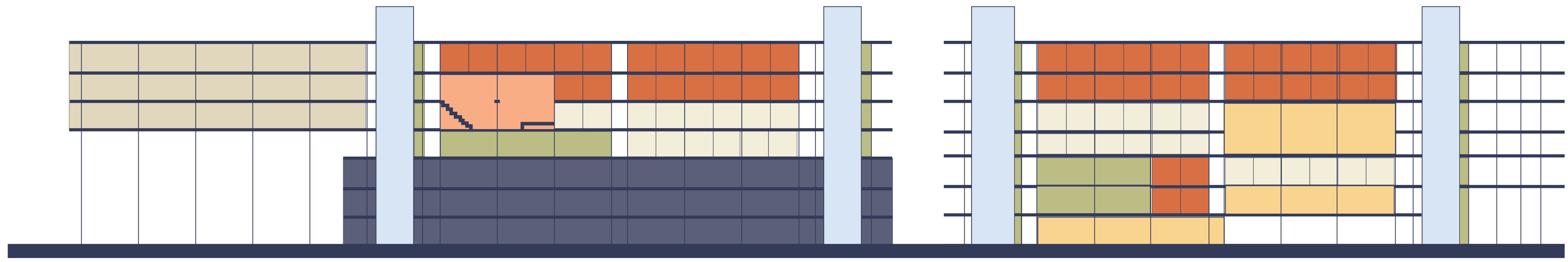
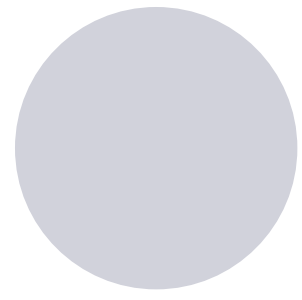


● Library ● Systems



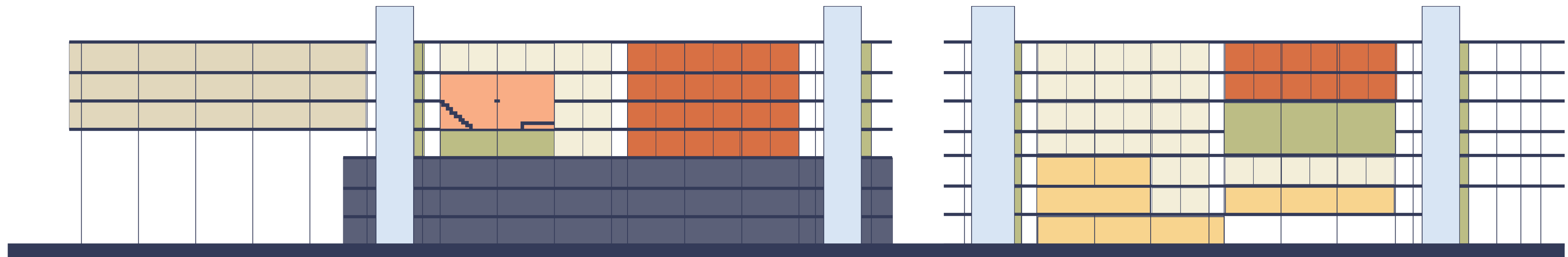
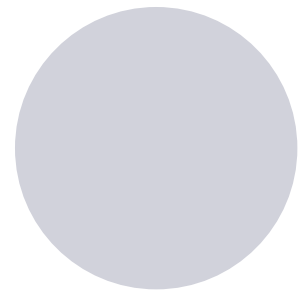
extra

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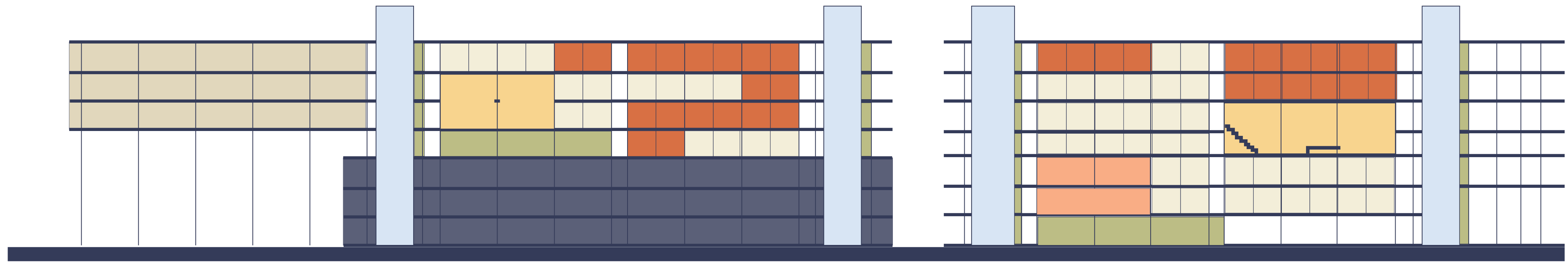
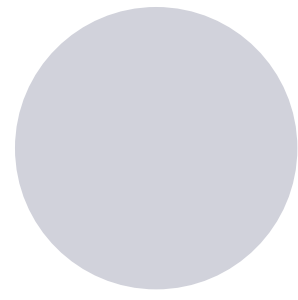
- Dwelling
- Offices
- Library
- Systems
- ● ● ● Extra's

variations



- Dwelling
- Offices
- Library
- Systems
- Extra's

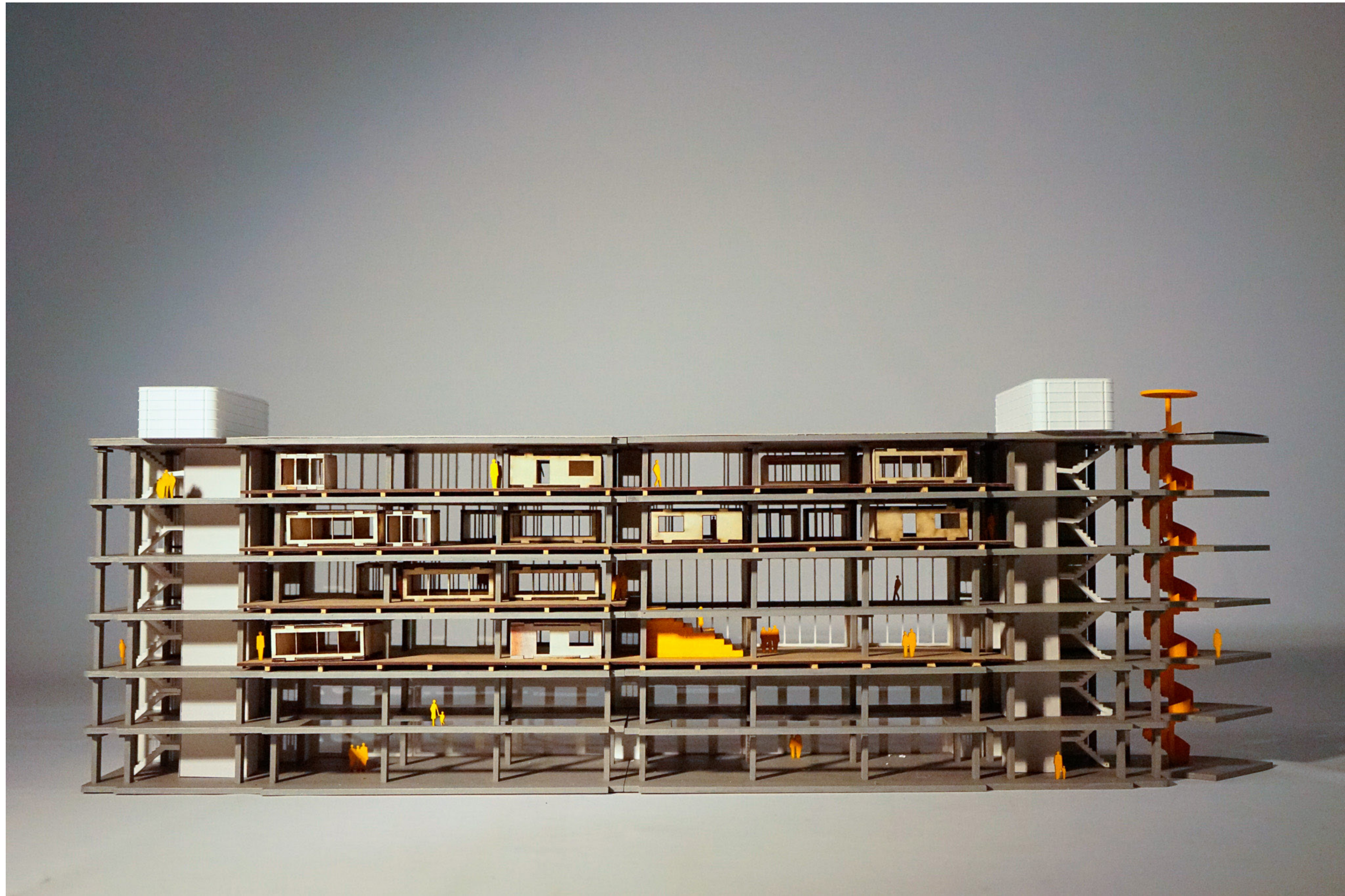
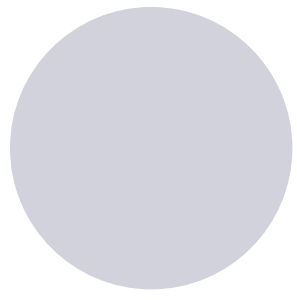
variations



- Dwelling
- Offices
- Library
- Systems
- ● ● ● Extra's

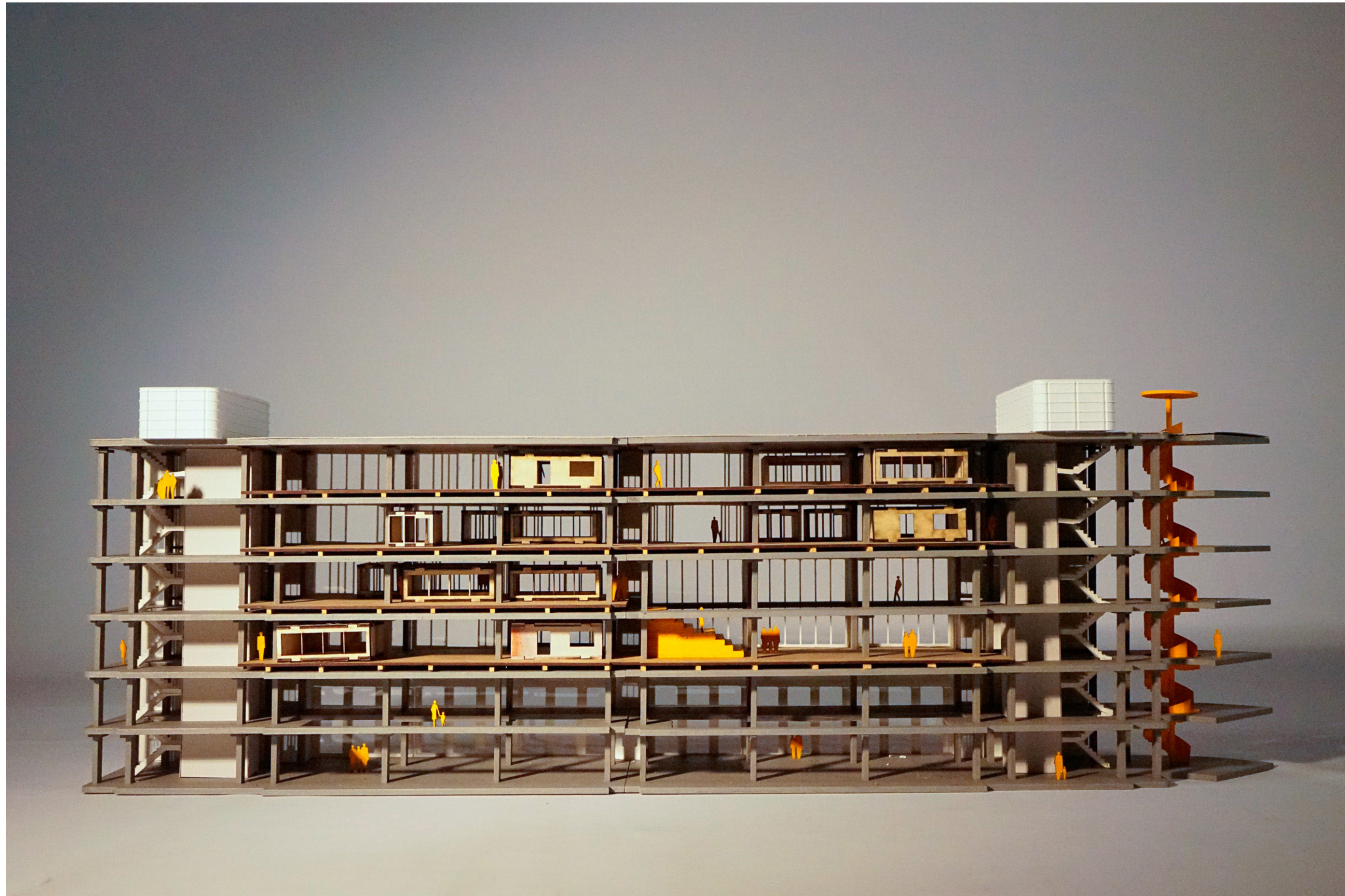
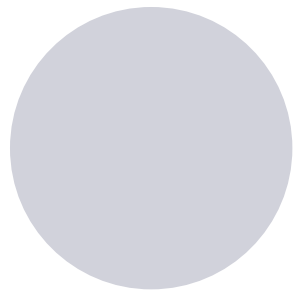
variations

100 / 132



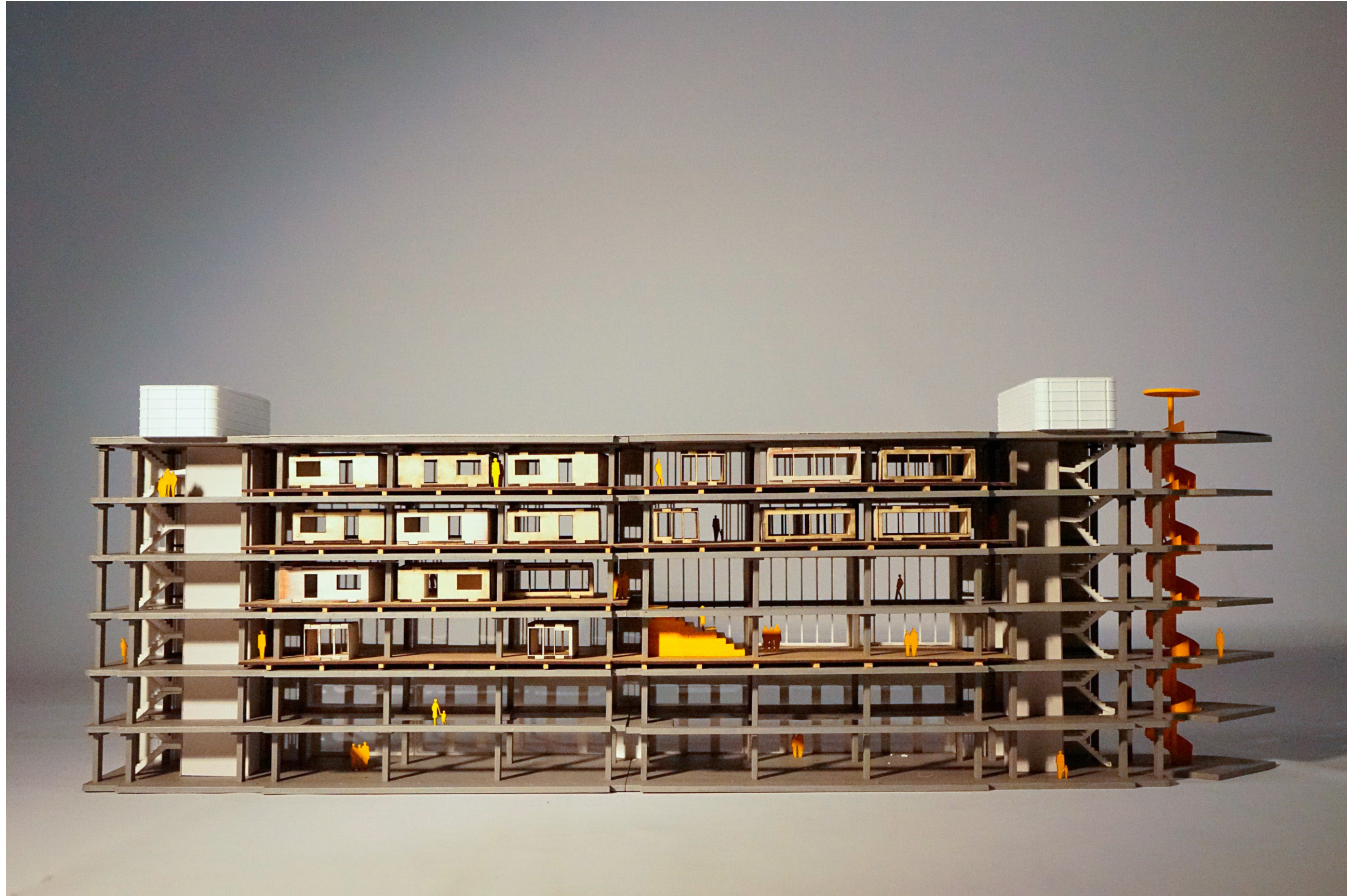
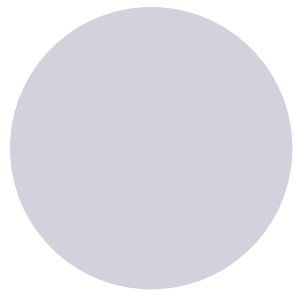
model

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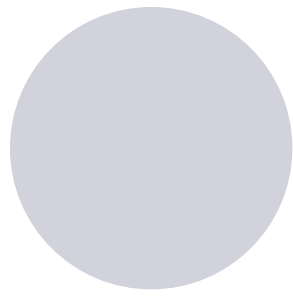
model

102 / 132



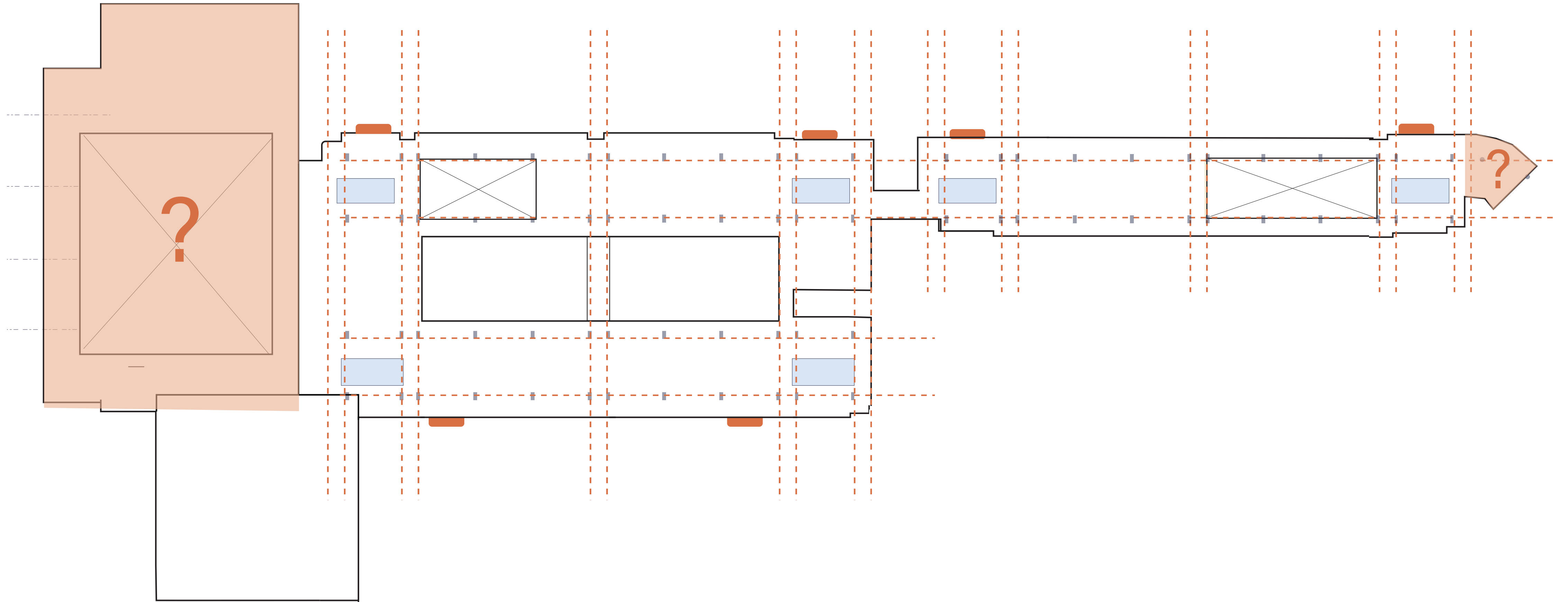
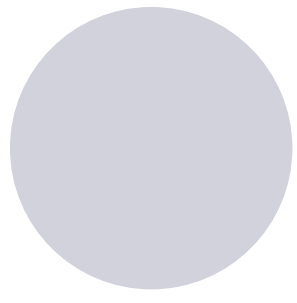
model

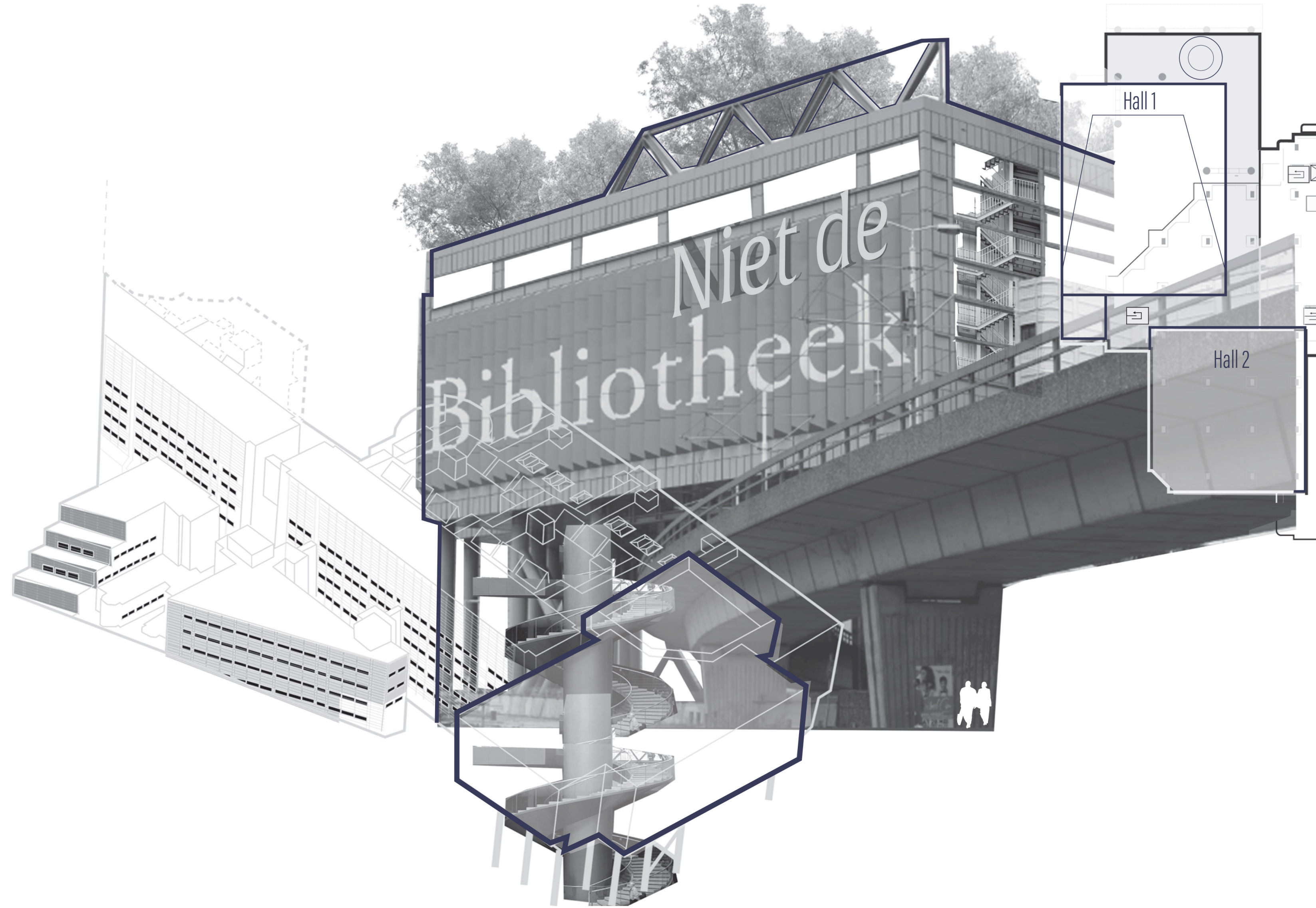
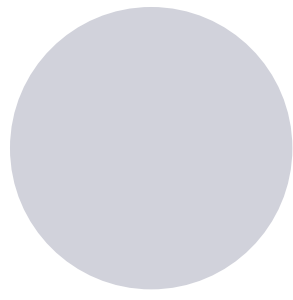
103 / 132



model

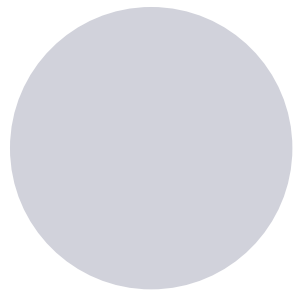
104 / 132





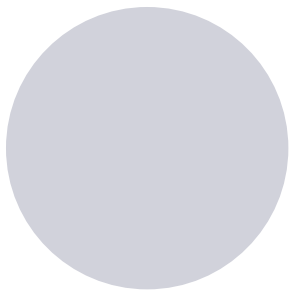
specials

106 / 132



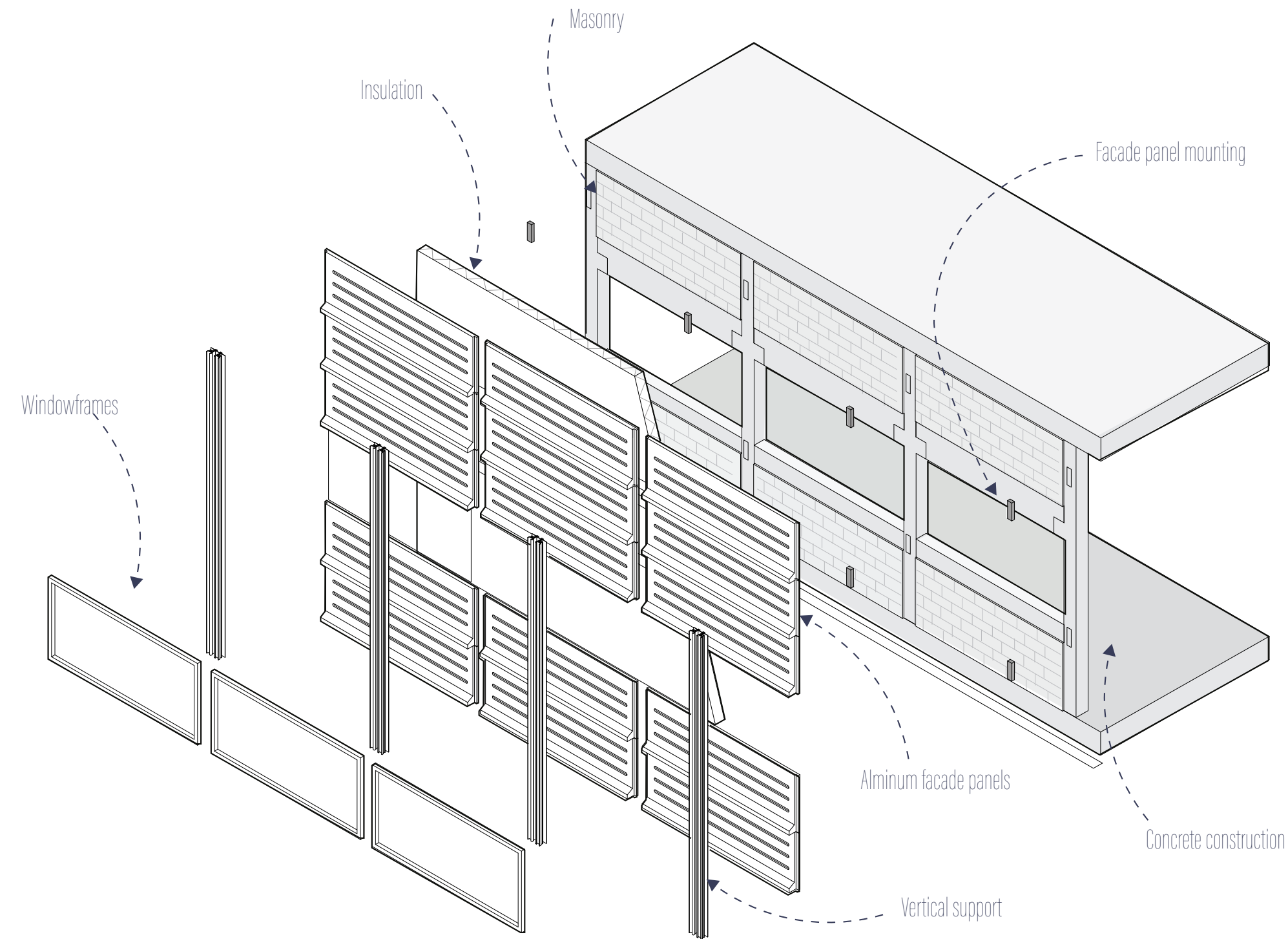
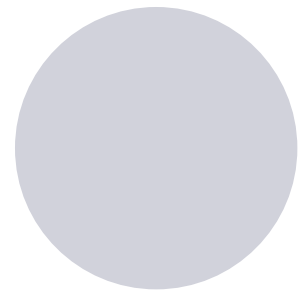
specials

107 / 132

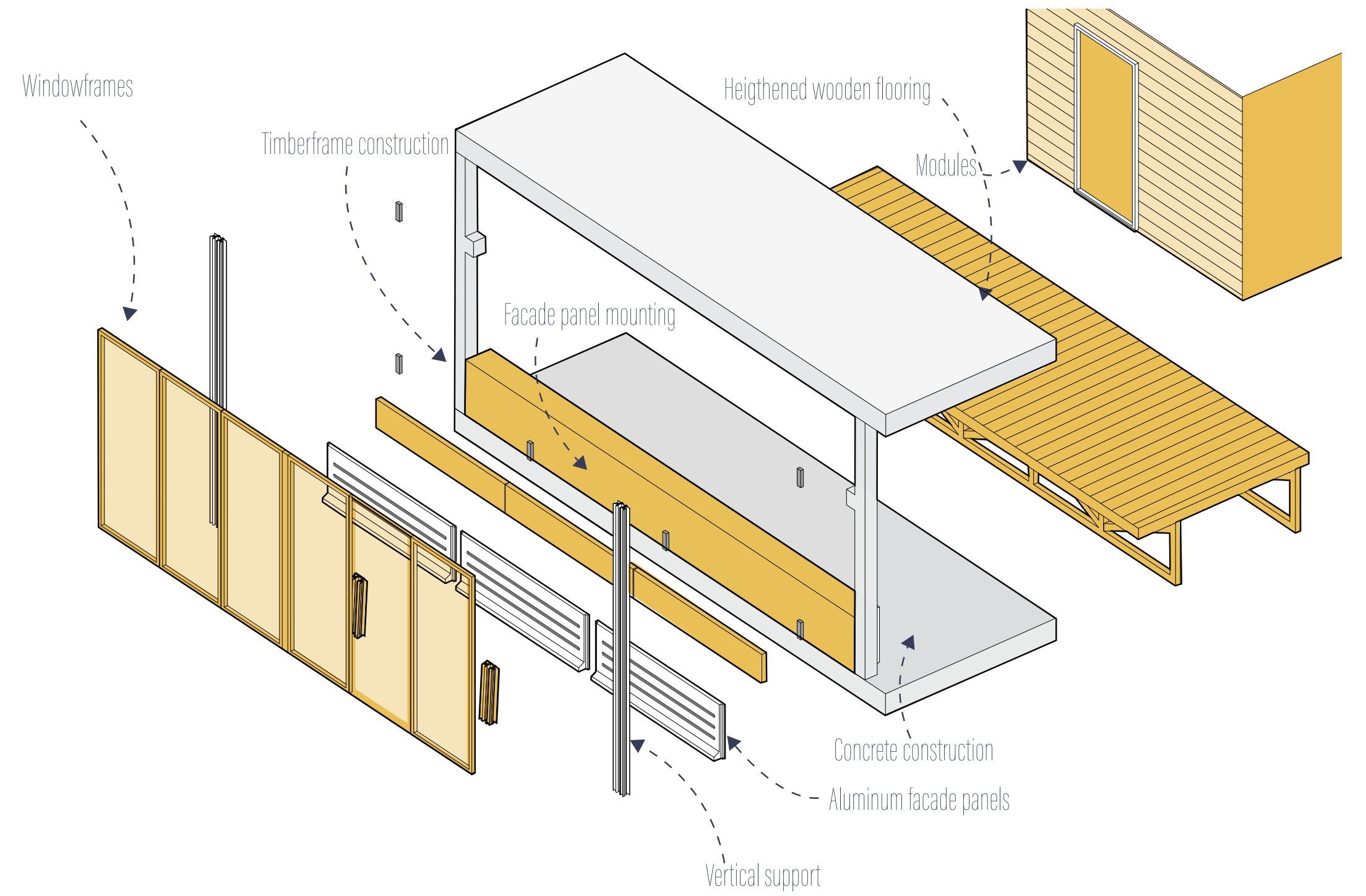


specials

108 / 132

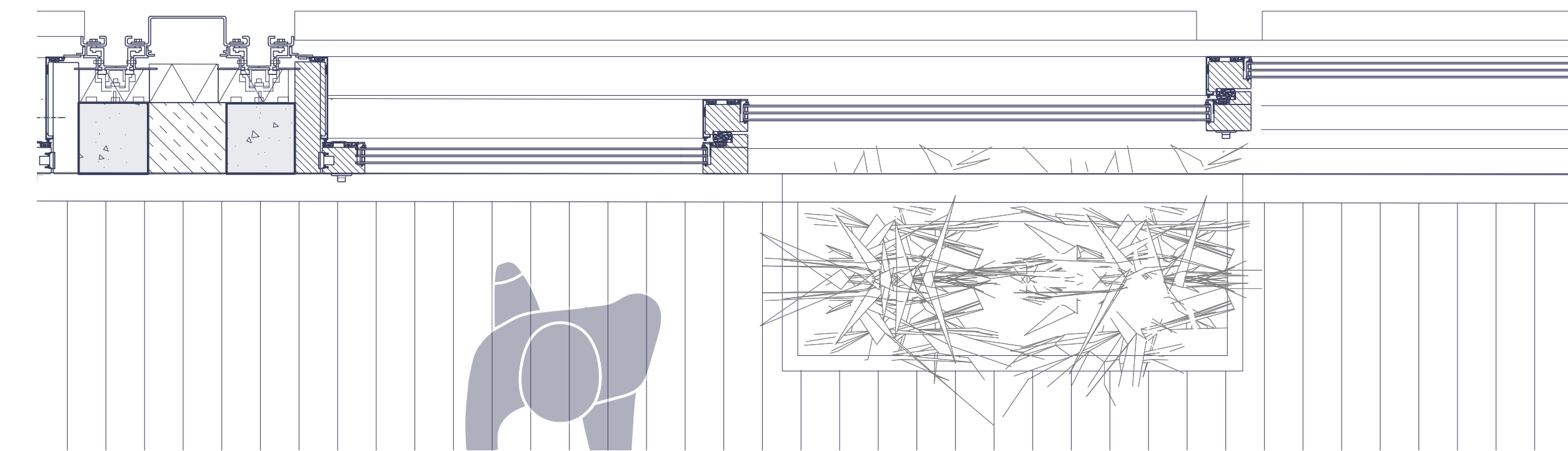
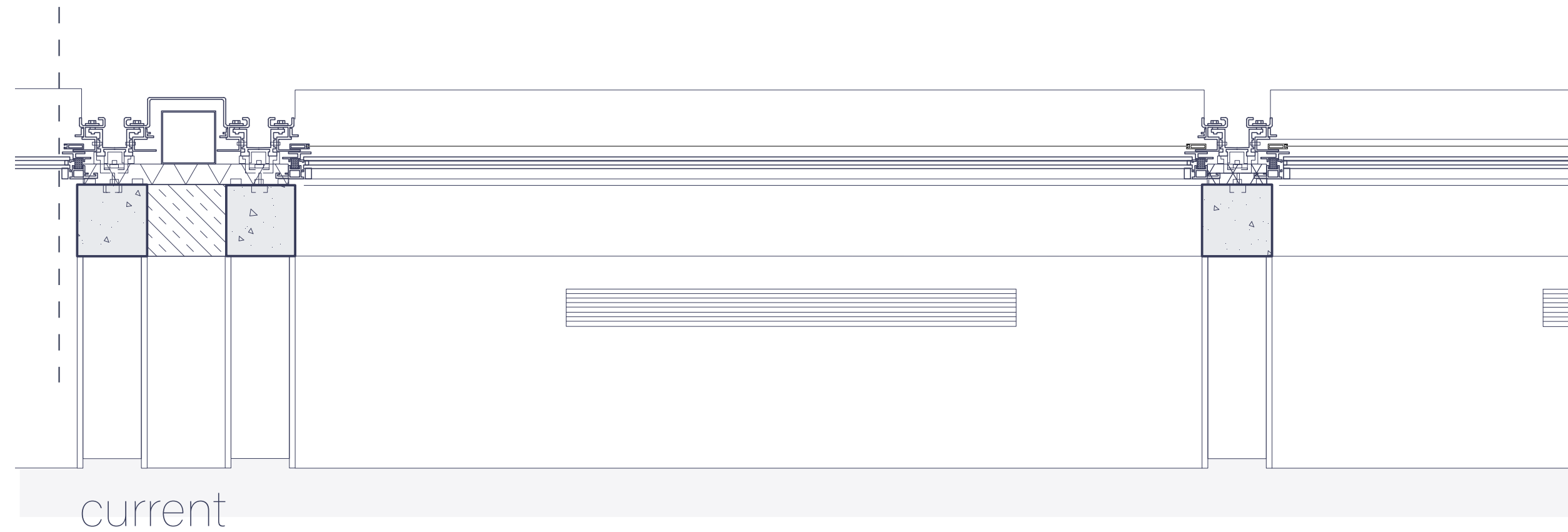
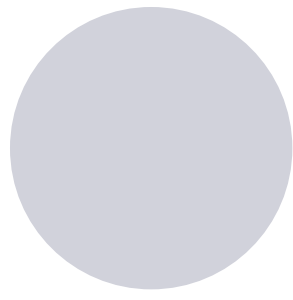


0. Current

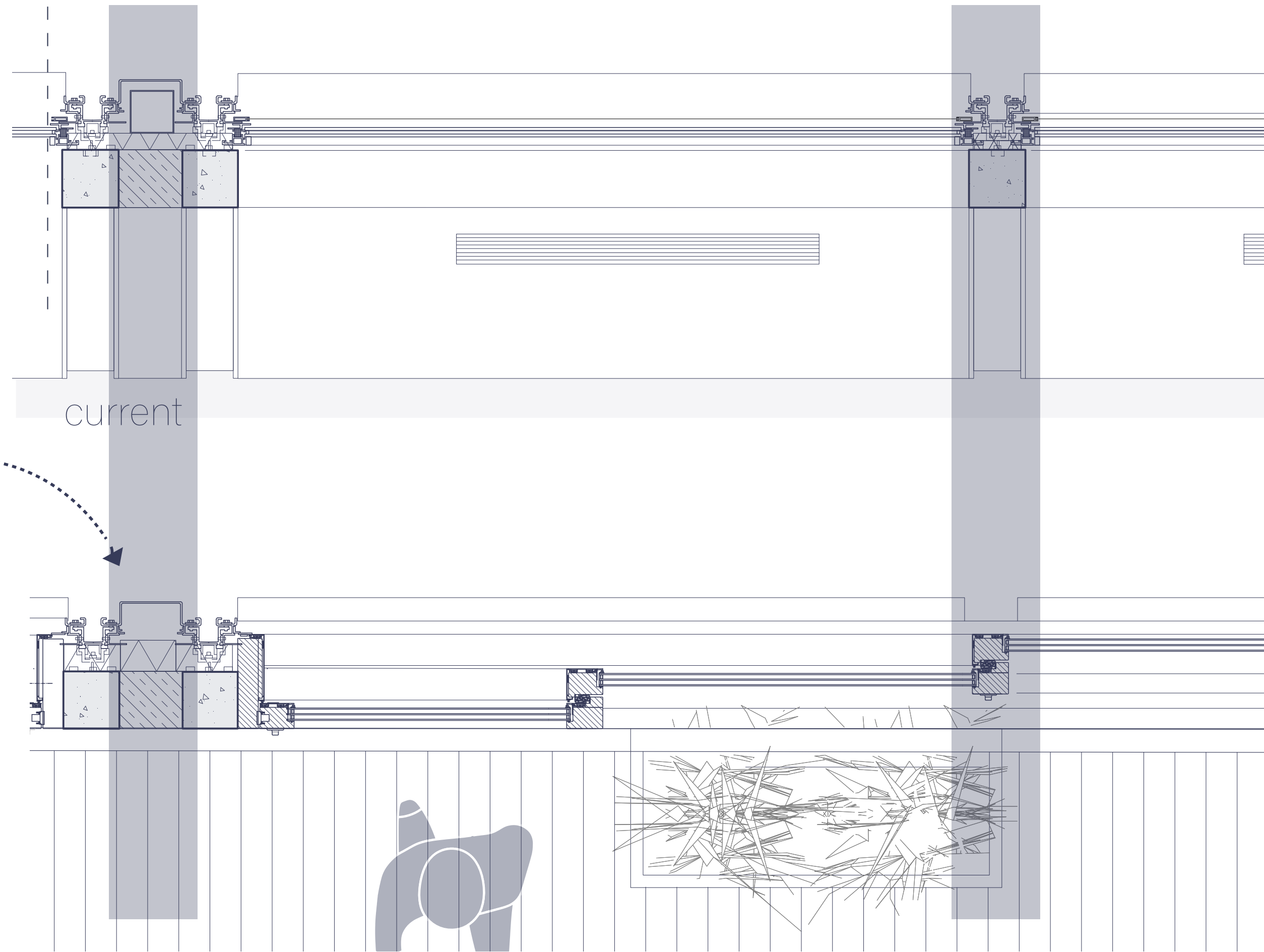
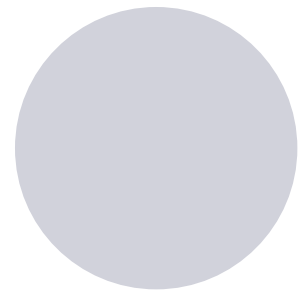


3. Flex

facade strategy



detail H1

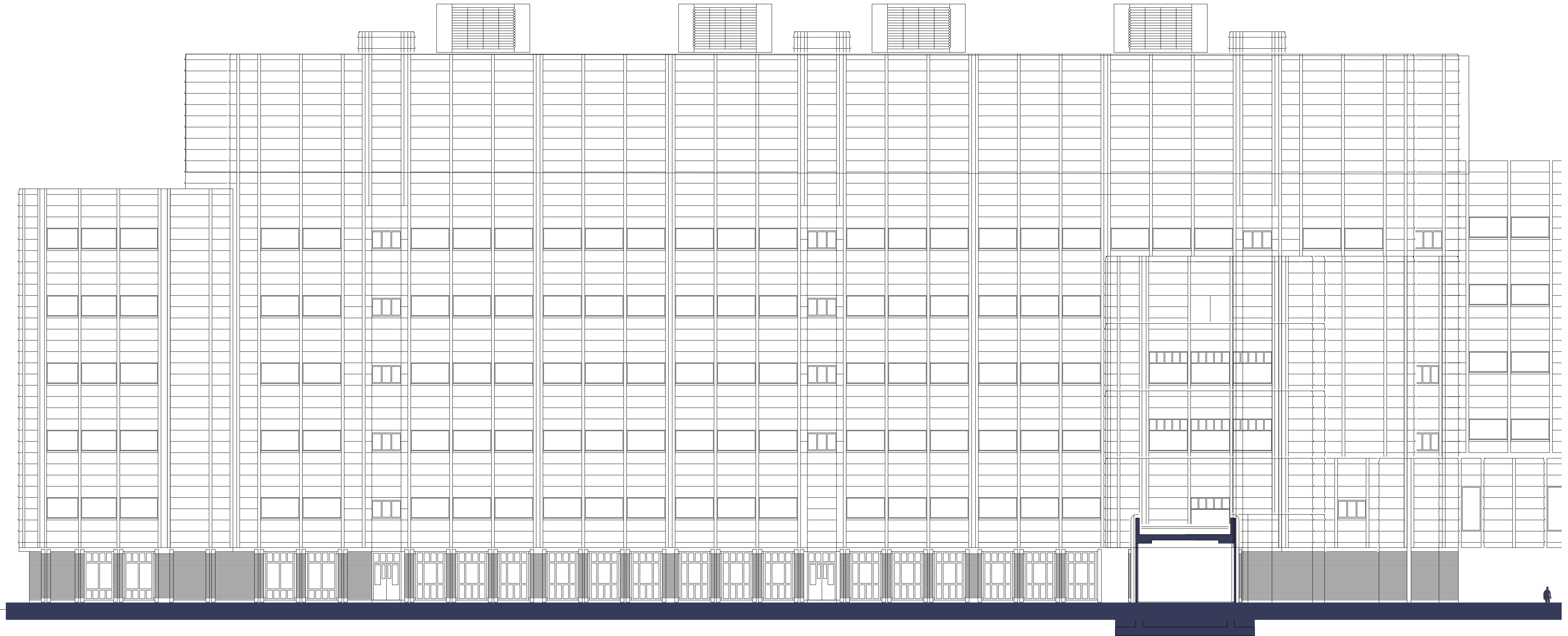
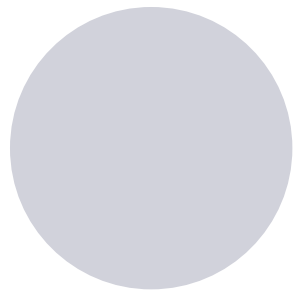


current

using the existing
vertical grid

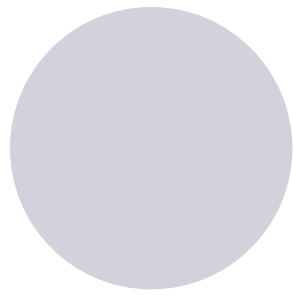
design

detail H1

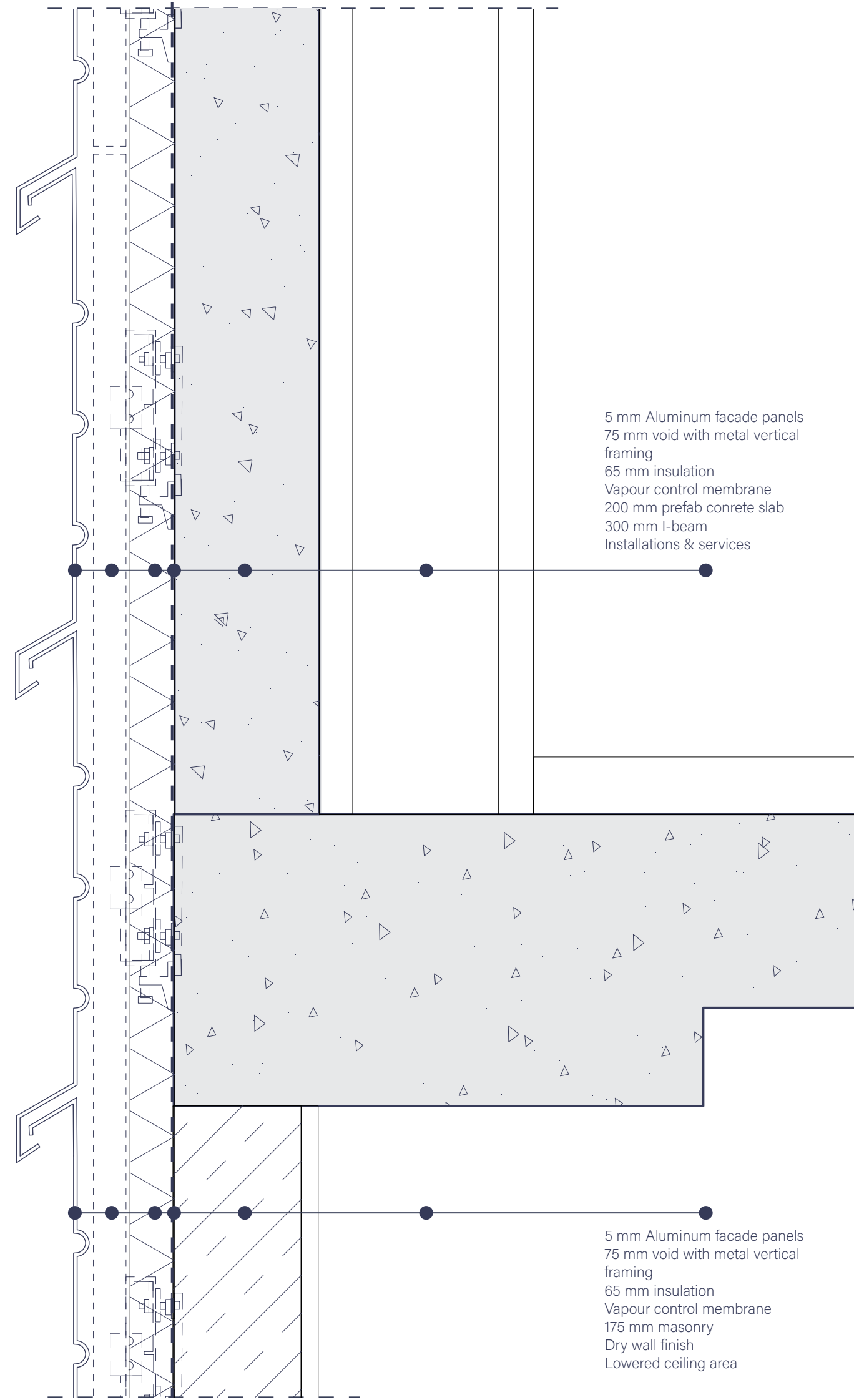
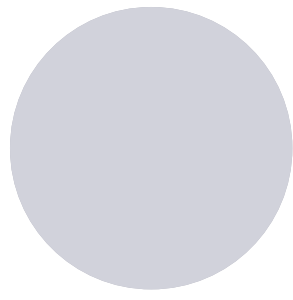


elevation / current

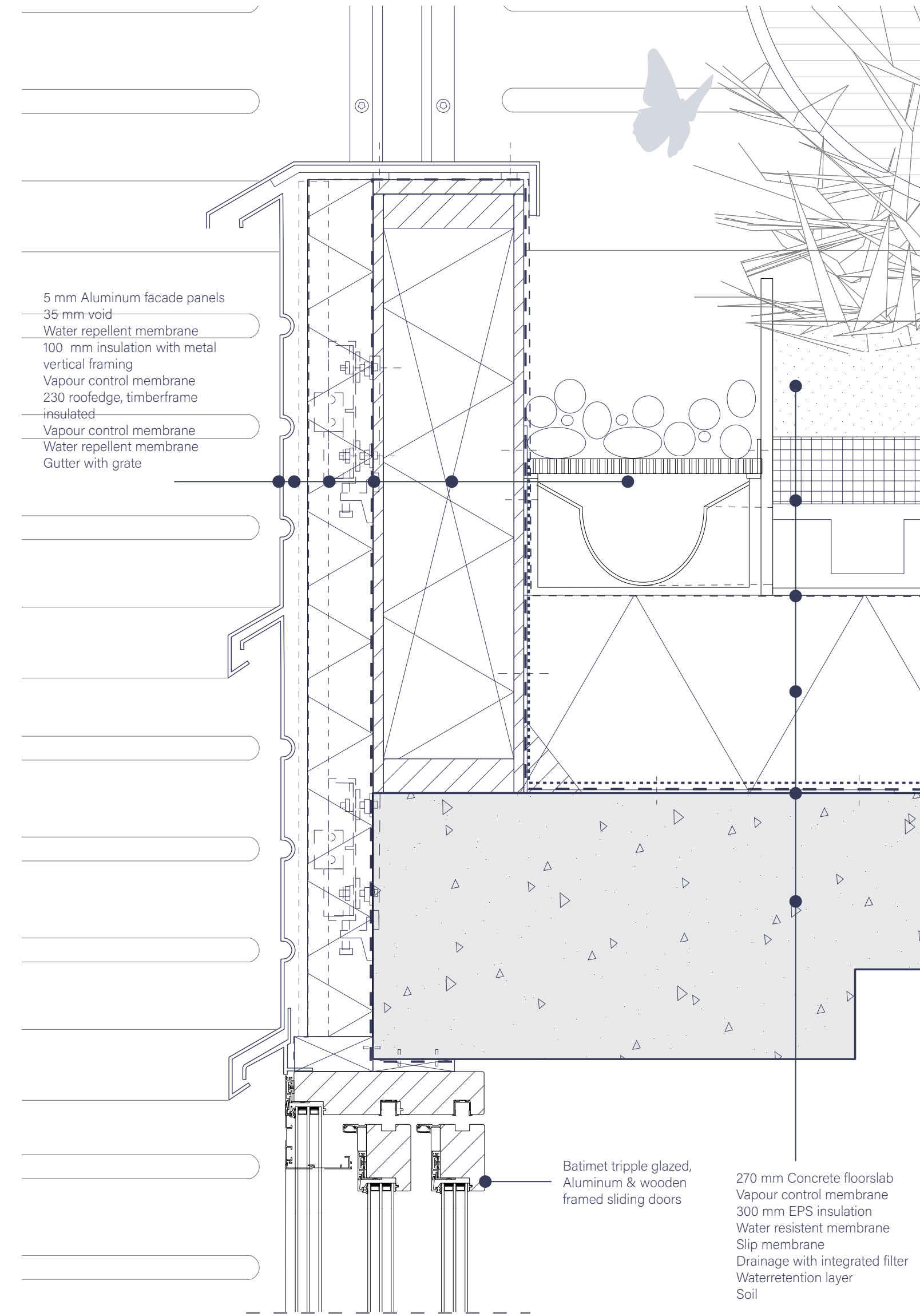
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elevation / design

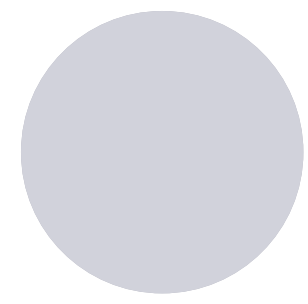


current

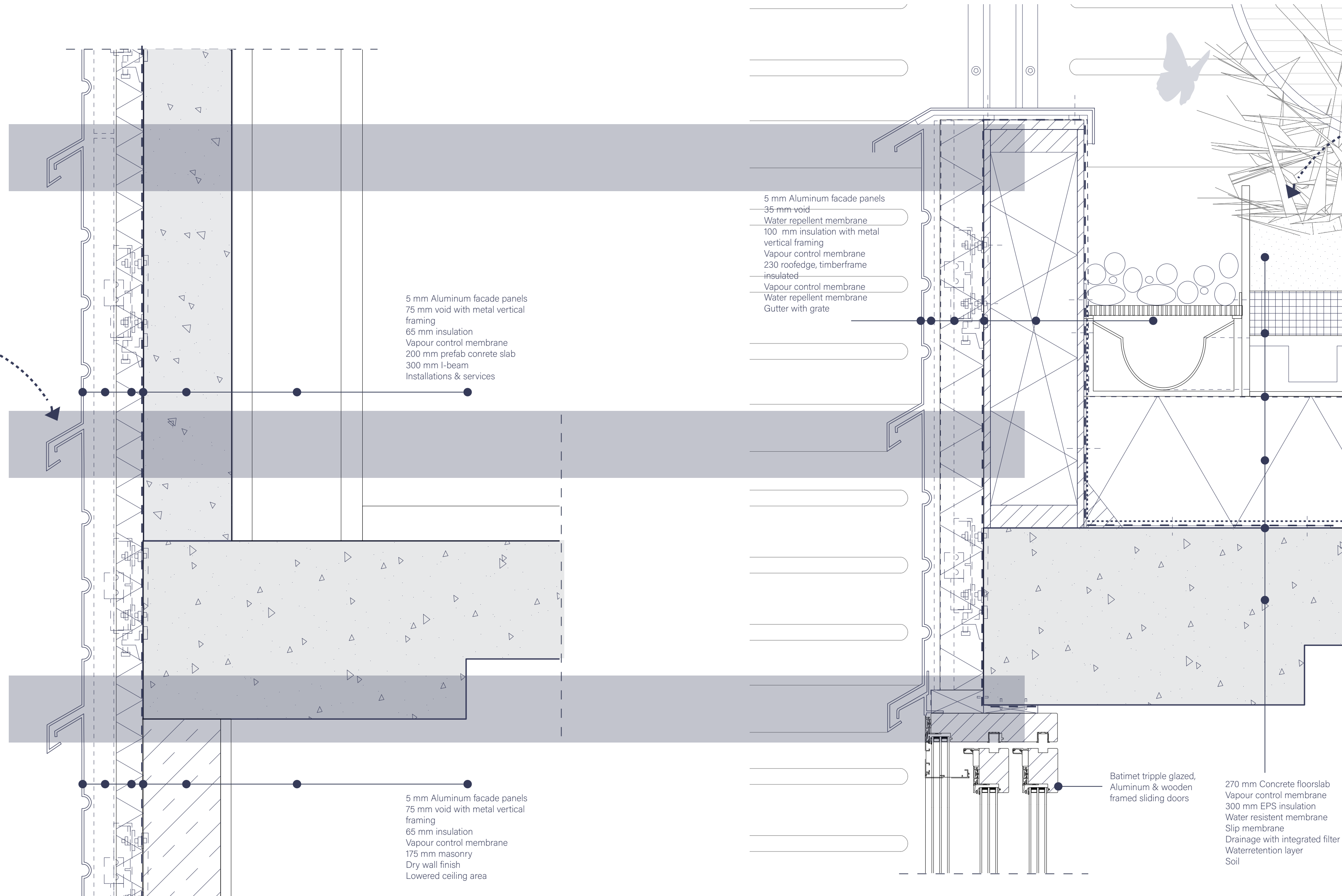


design

detail V3



using the existing horizontal grid



adding a green roof

current

design

detail V3

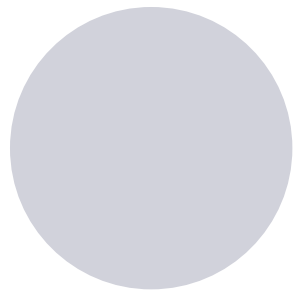
5 mm Aluminum facade panels
 75 mm void with metal vertical framing
 65 mm insulation
 Vapour control membrane
 200 mm prefab concrete slab
 300 mm I-beam
 Installations & services

5 mm Aluminum facade panels
 35 mm void
 Water repellent membrane
 100 mm insulation with metal vertical framing
 Vapour control membrane
 230 roofedge, timberframe insulated
 Vapour control membrane
 Water repellent membrane
 Gutter with grate

5 mm Aluminum facade panels
 75 mm void with metal vertical framing
 65 mm insulation
 Vapour control membrane
 175 mm masonry
 Dry wall finish
 Lowered ceiling area

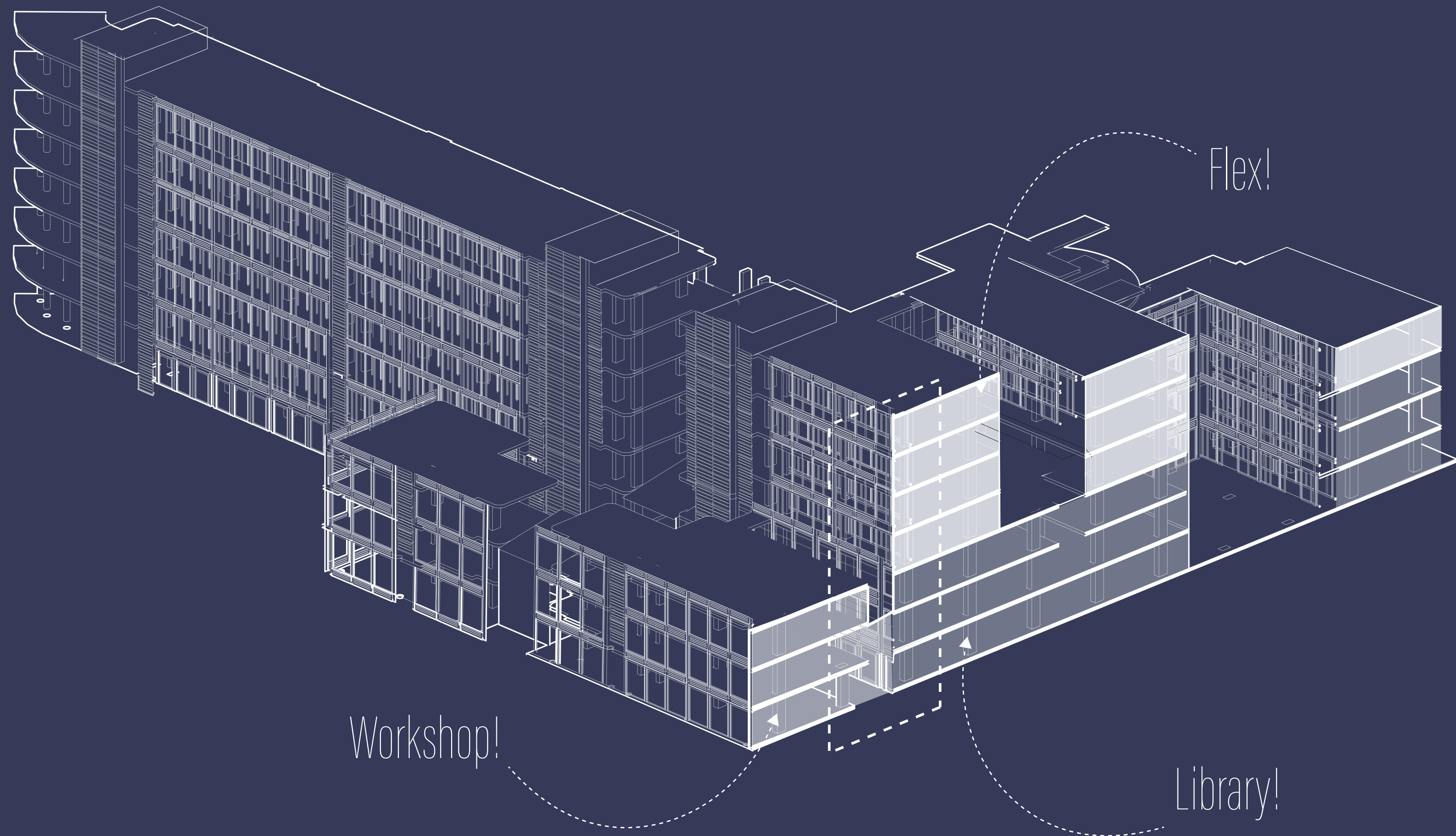
Batimet tripple glazed, Aluminum & wooden framed sliding doors

270 mm Concrete floorslab
 Vapour control membrane
 300 mm EPS insulation
 Water resistant membrane
 Slip membrane
 Drainage with integrated filter
 Waterretention layer
 Soil

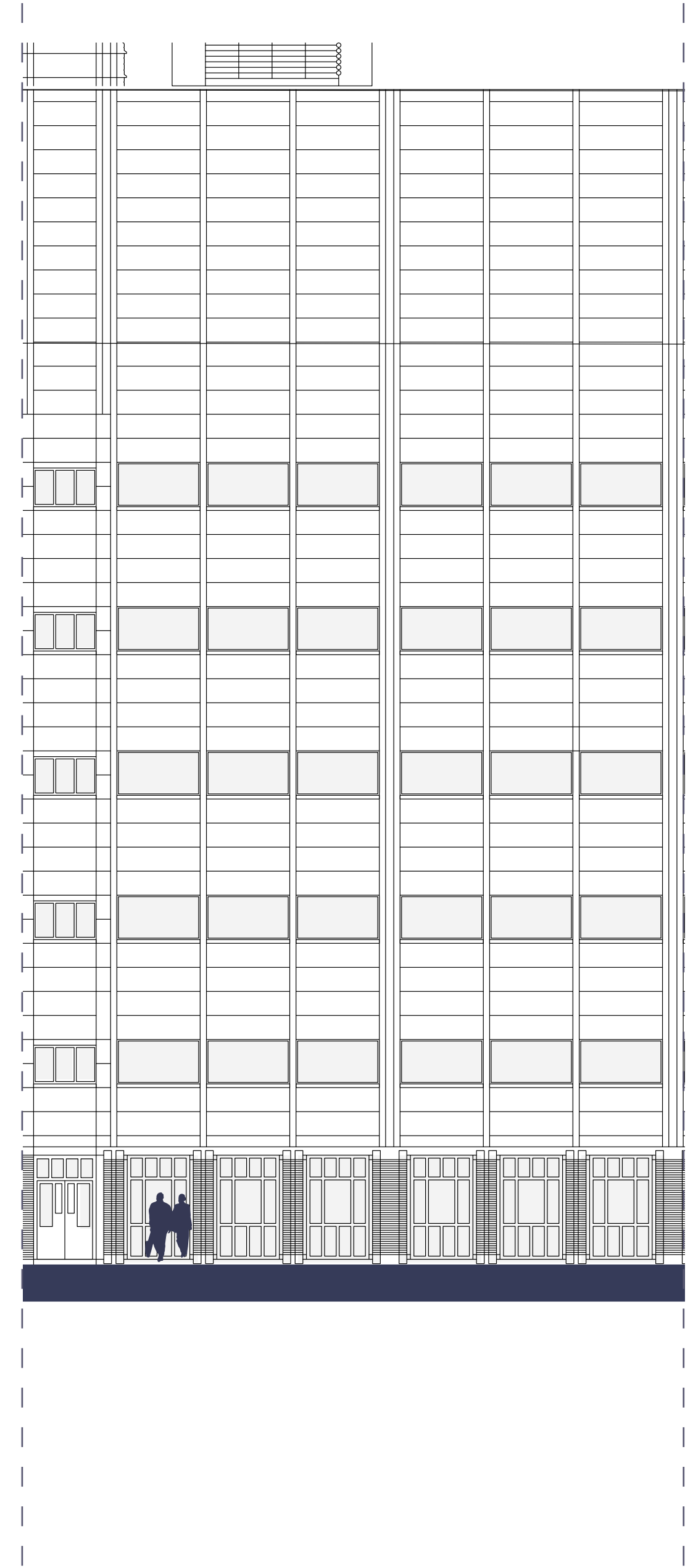
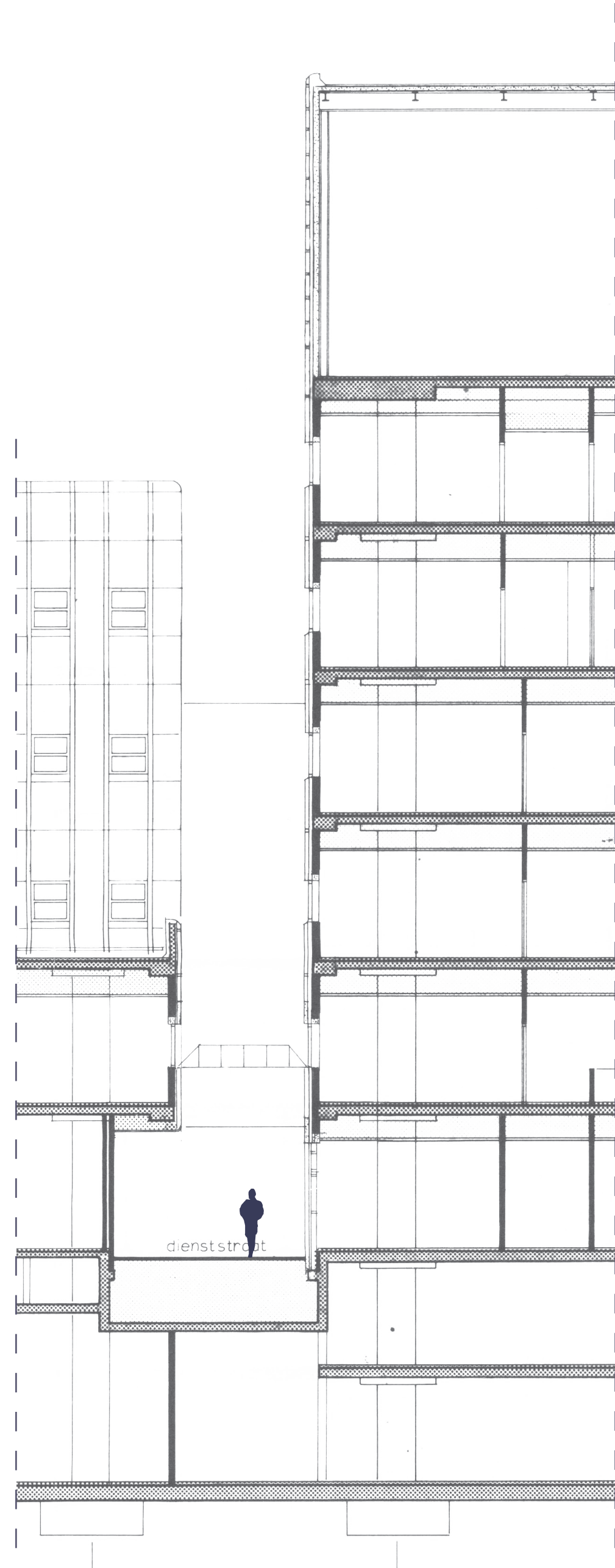
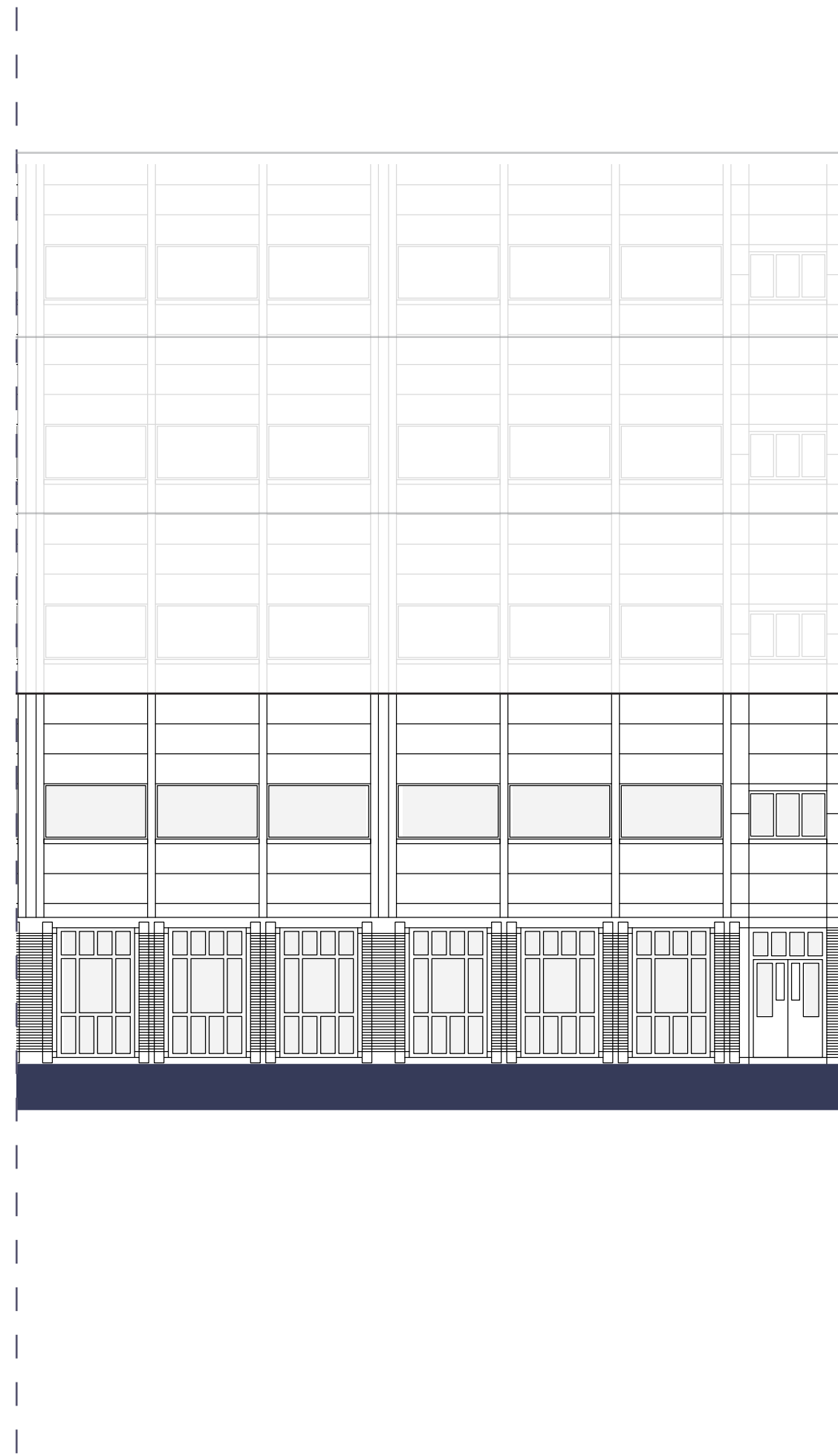


model

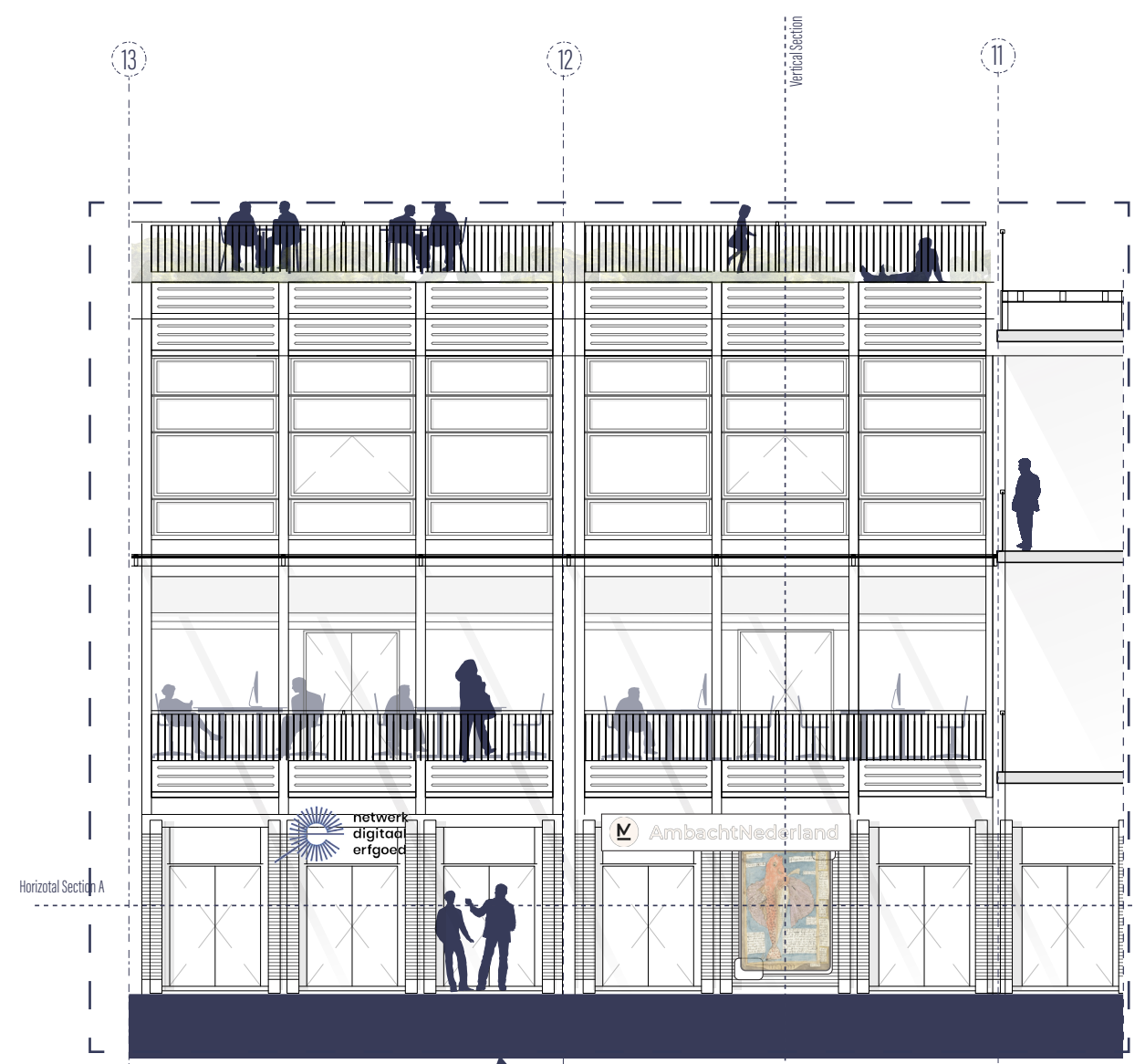
116 / 132



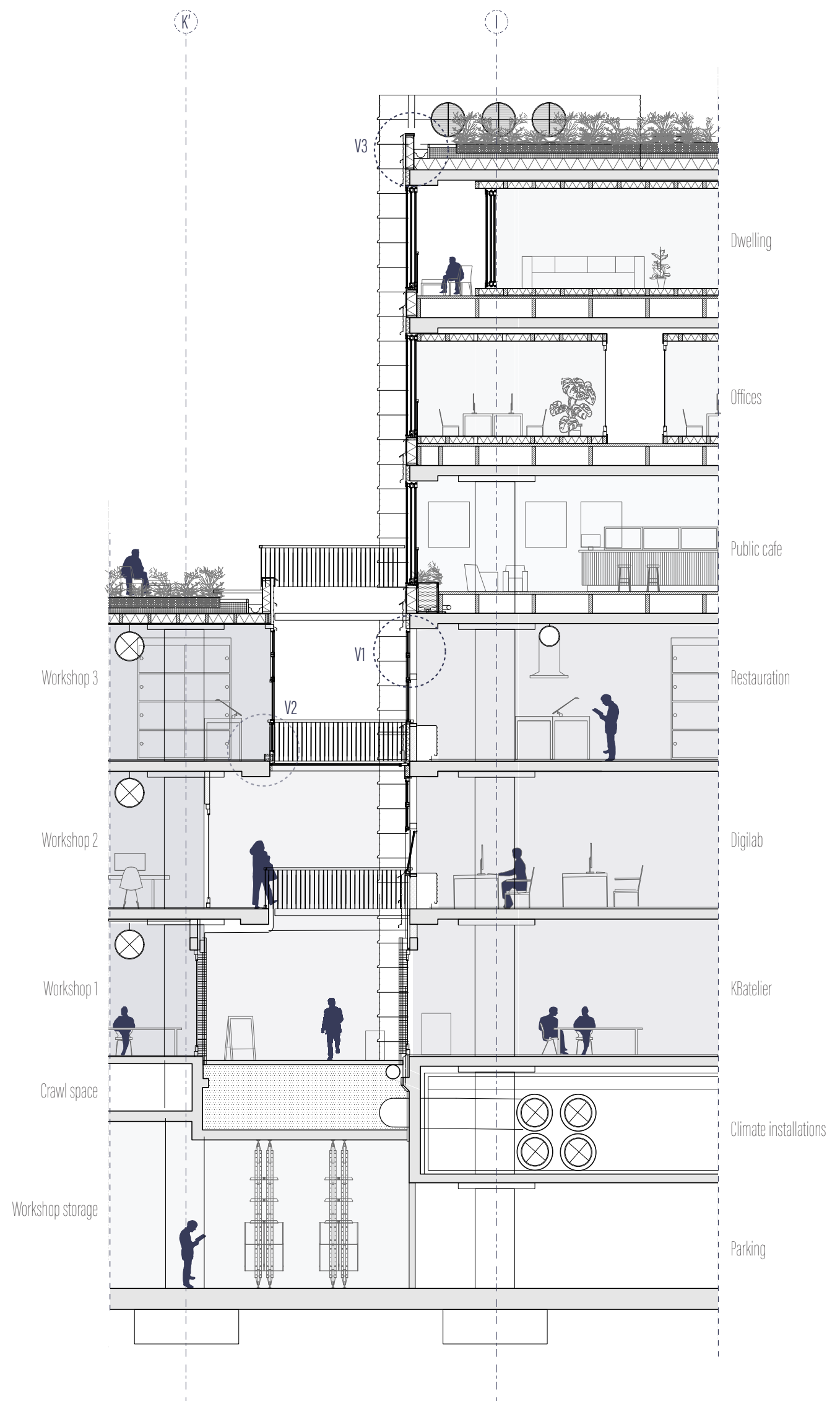
Meeting point / fragment



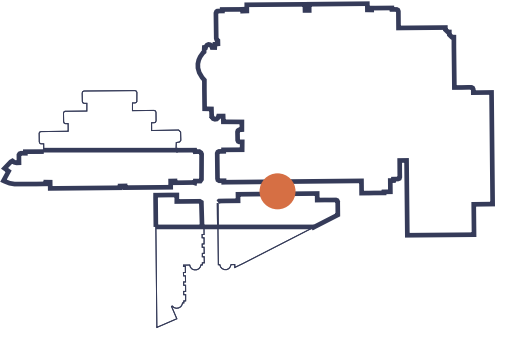
fragment / current



Workshop!

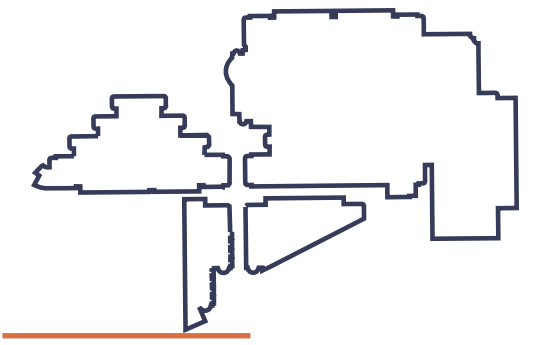


Library!

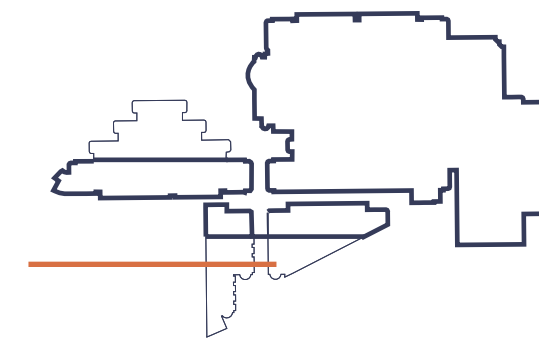


passage

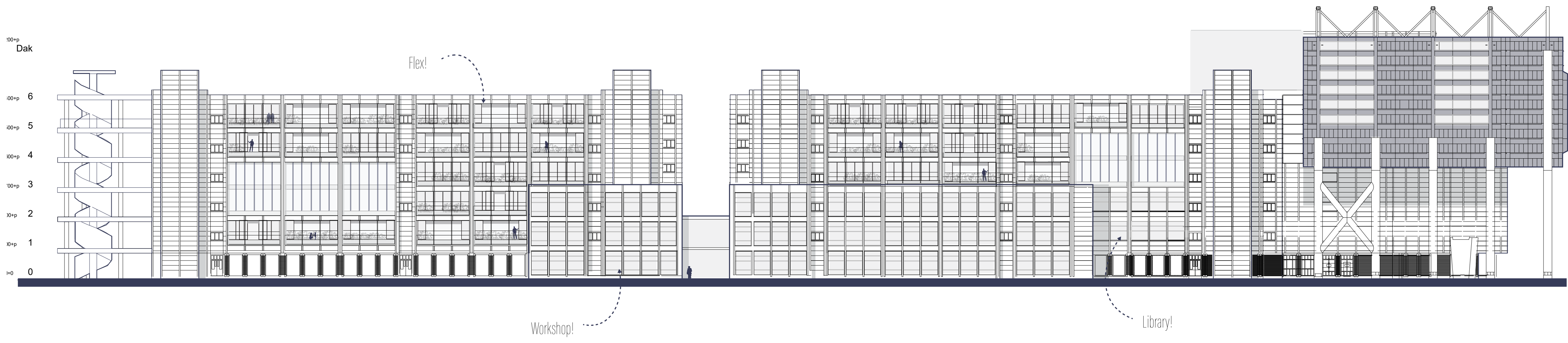
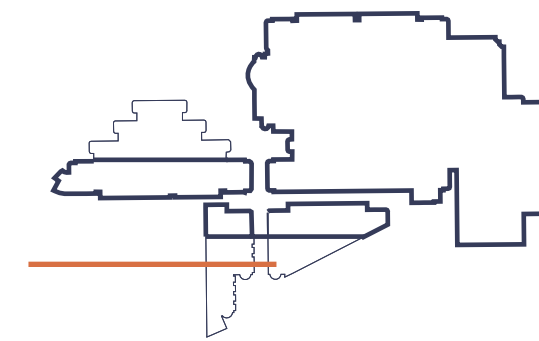
120 / 132



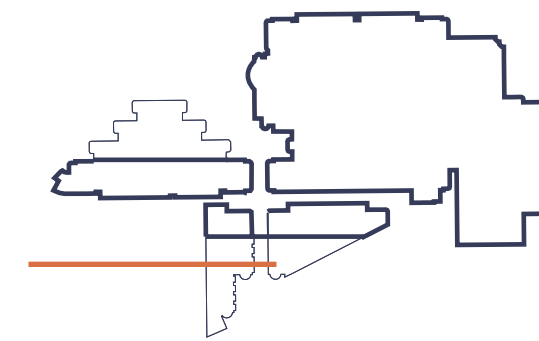
current elevation



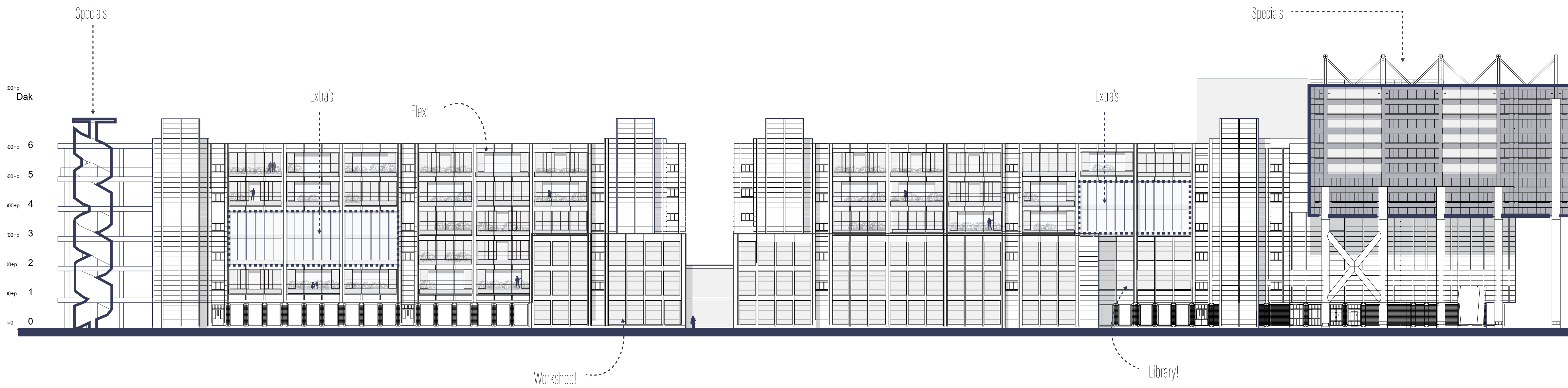
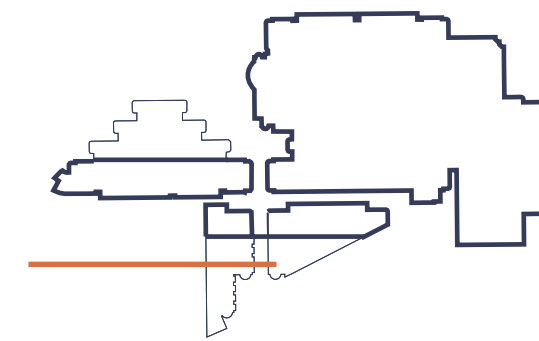
future elevation



future elevation

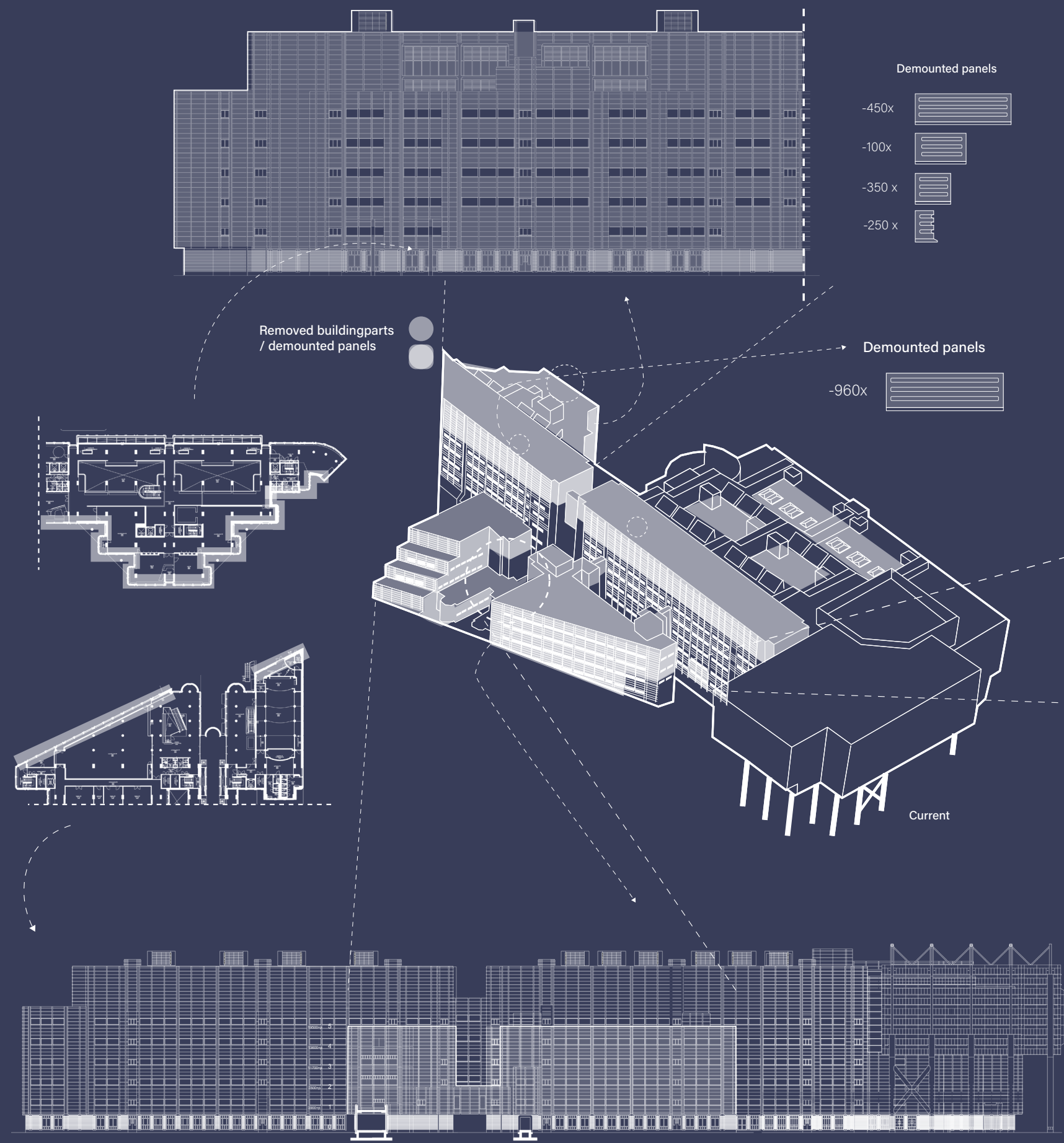


future elevation

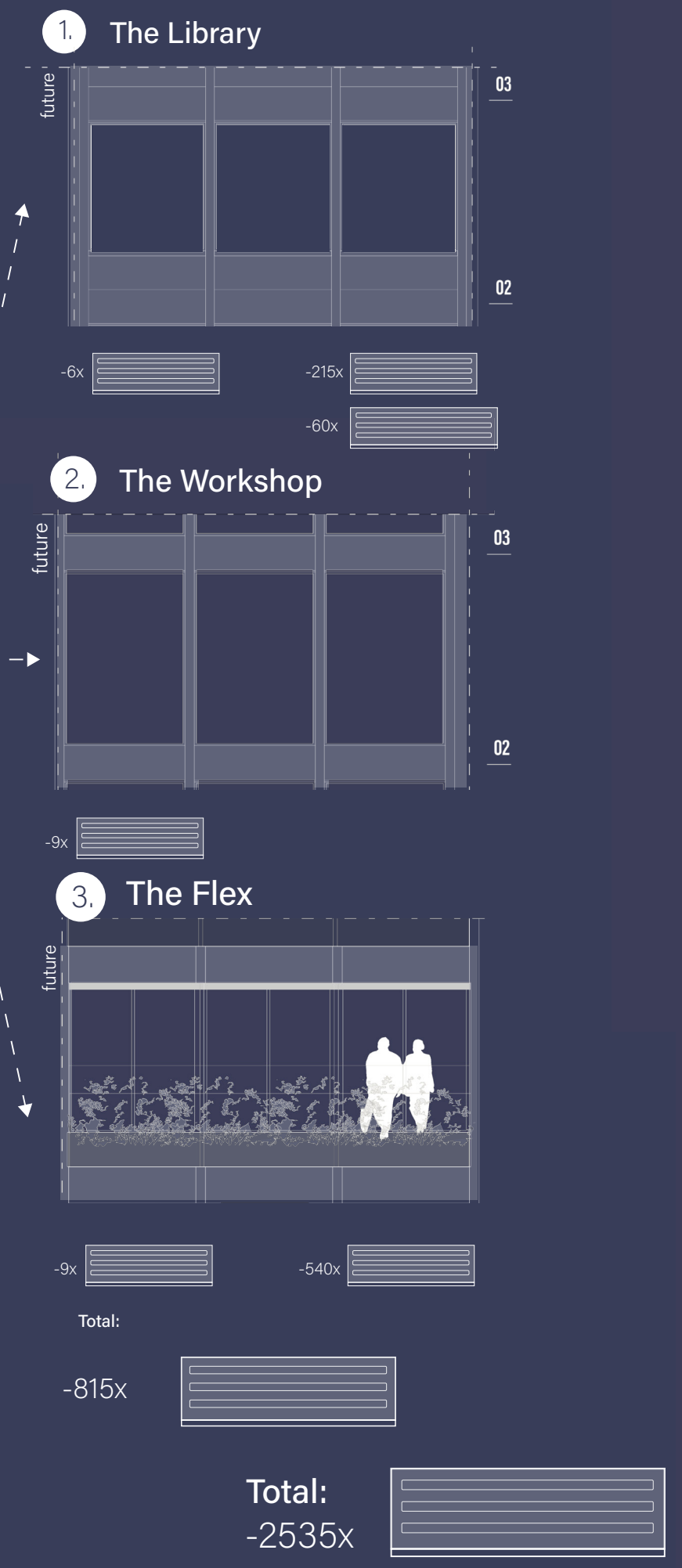


future elevation

Current

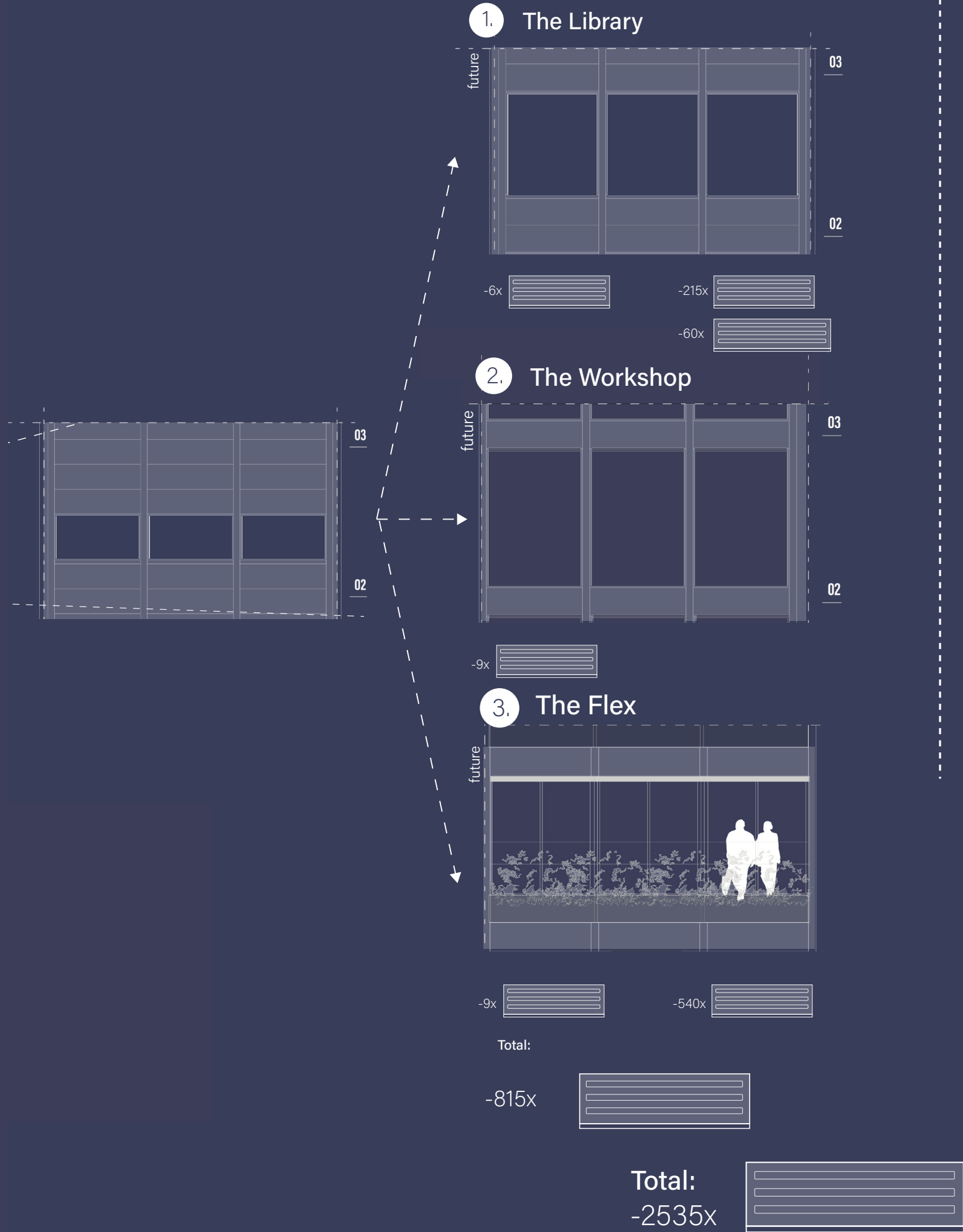


Strategies

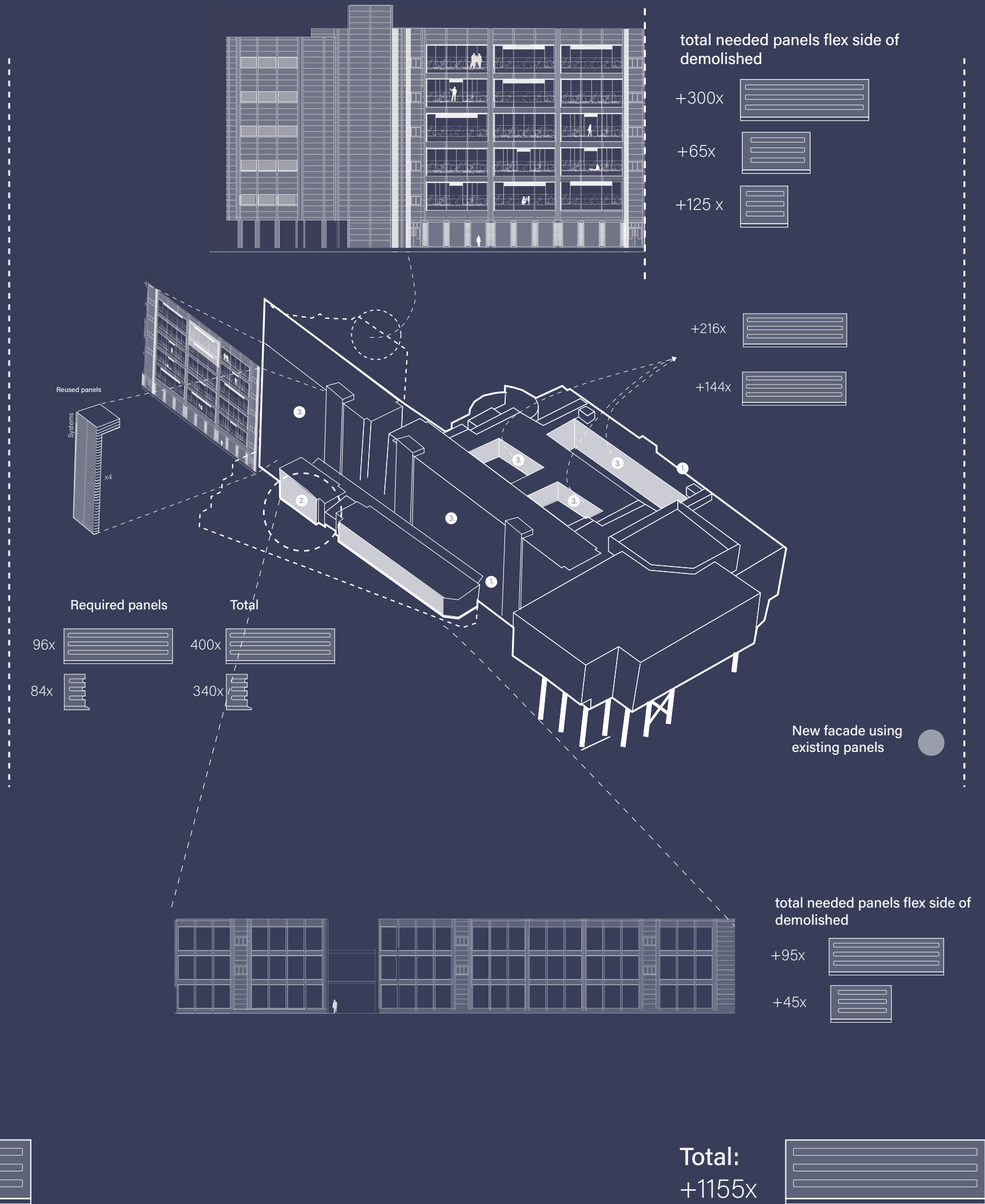


harvest map

Strategies

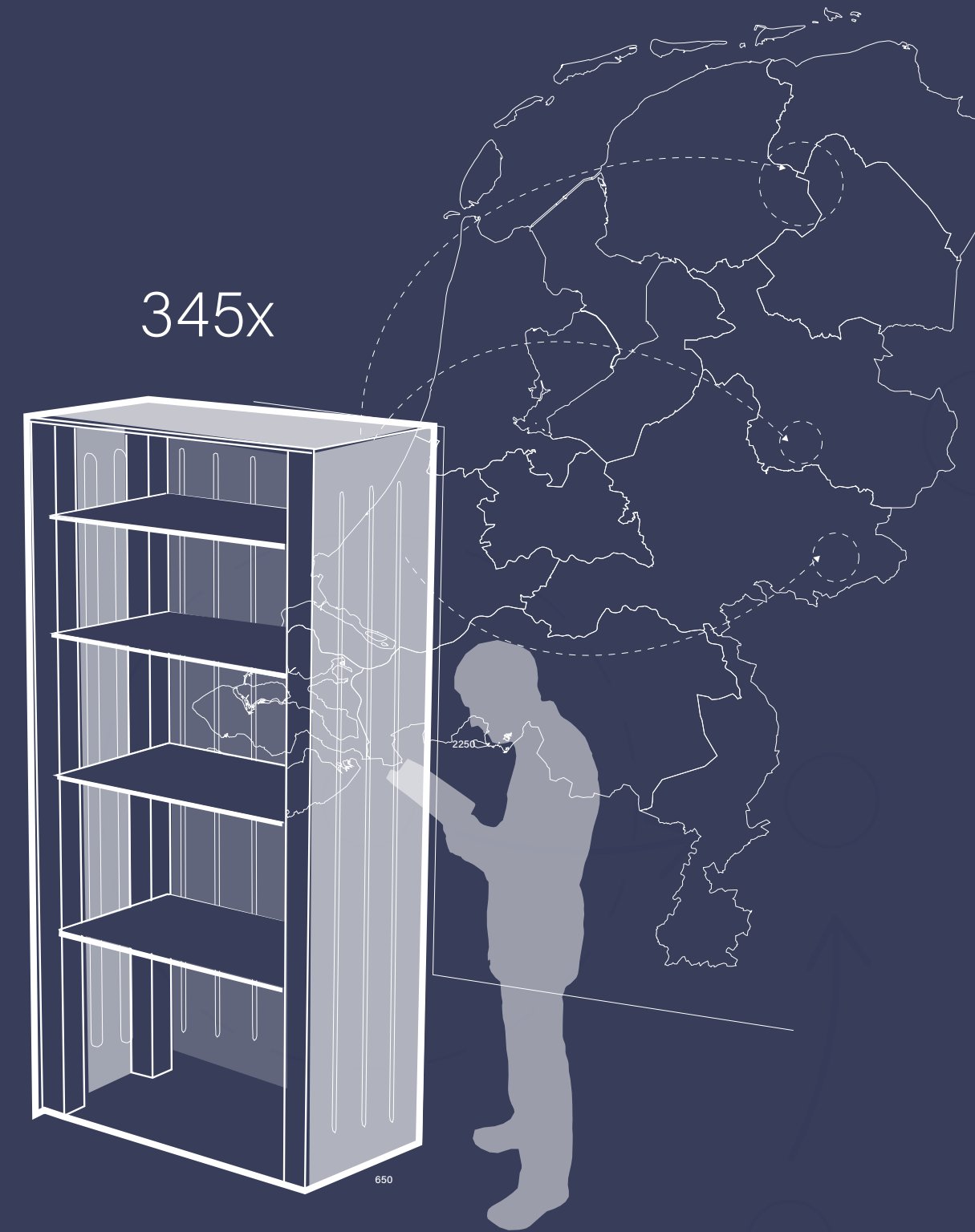


Future



harvest map

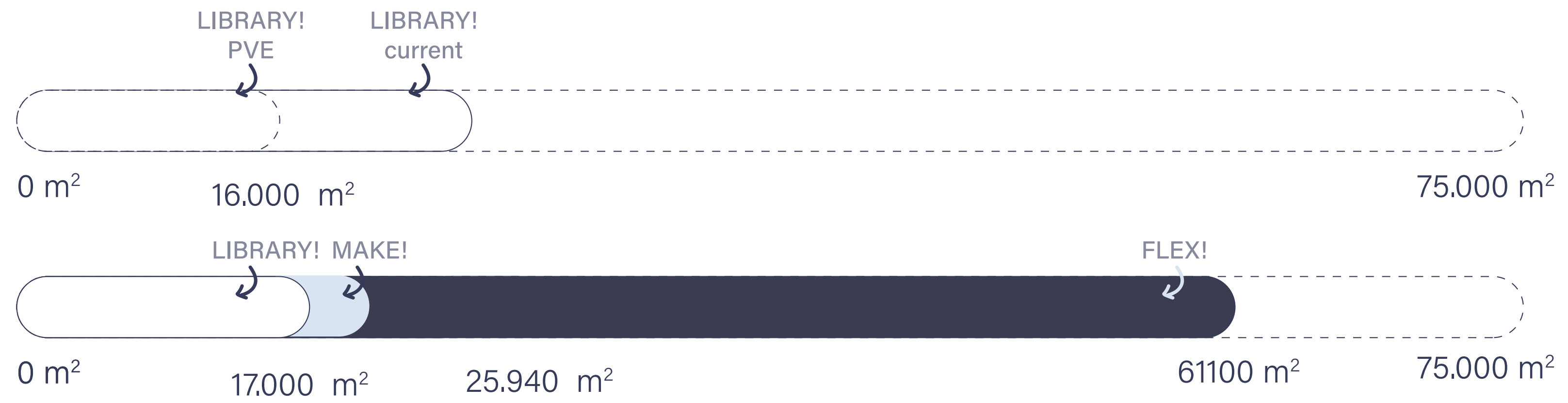
Identity



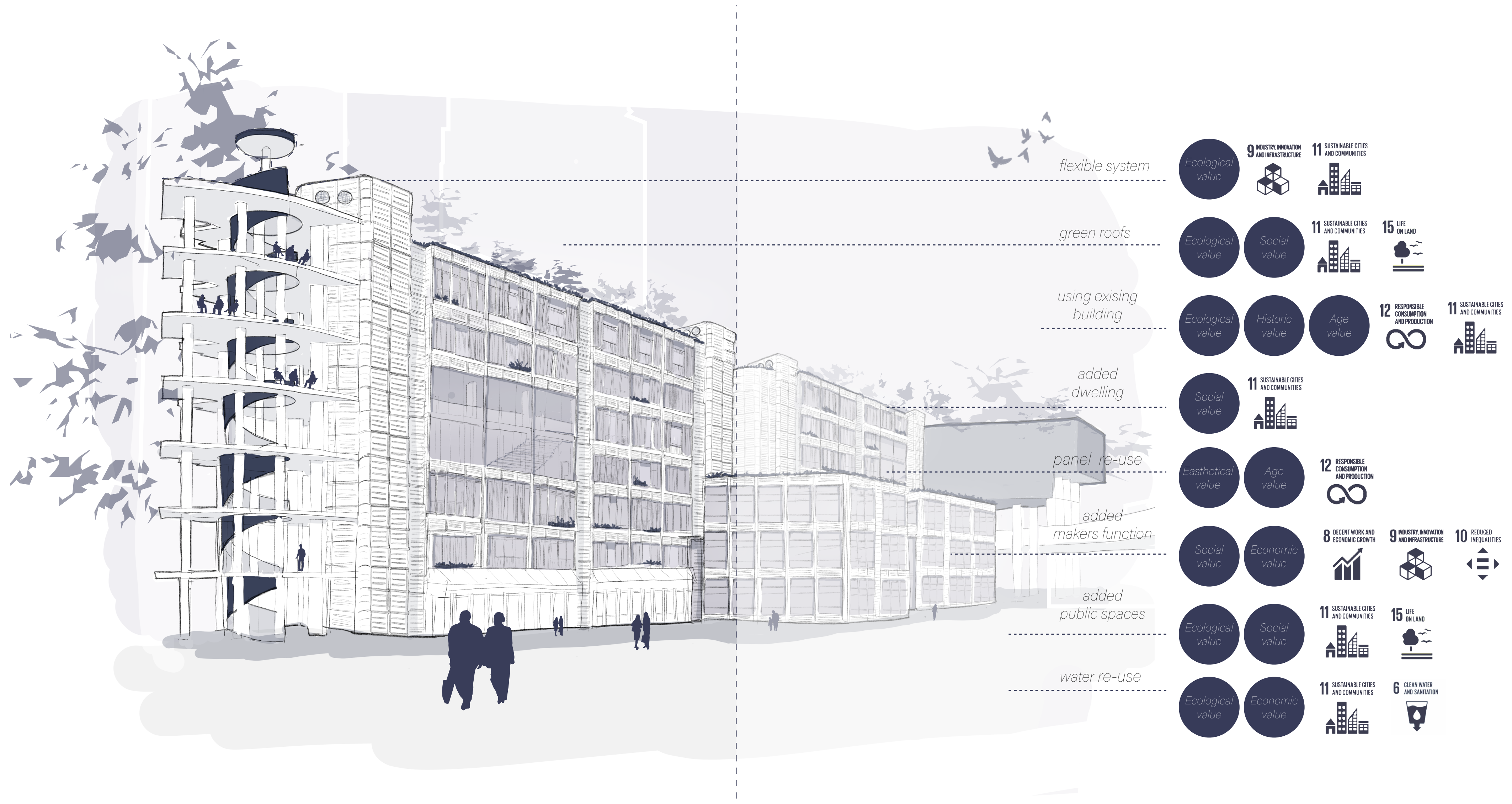
Total:
3 a 4x



harvest map



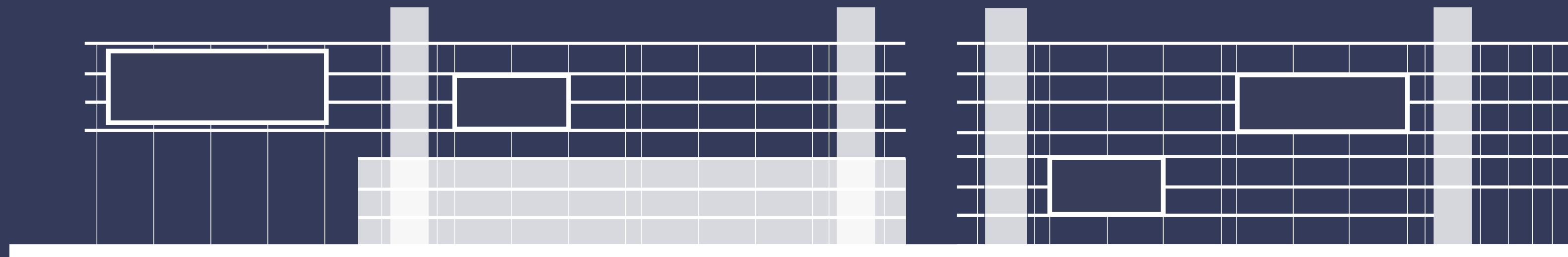
program result



added values & SDG's



knowledge square



KB, CAN BE
16.01.2026

P5 Ava de Haan