

# IS A MUSIC BUILDING FOR EVERYONE, A MARVEL?

---

17-06-2022

WHY

PROBLEM DEFINITION

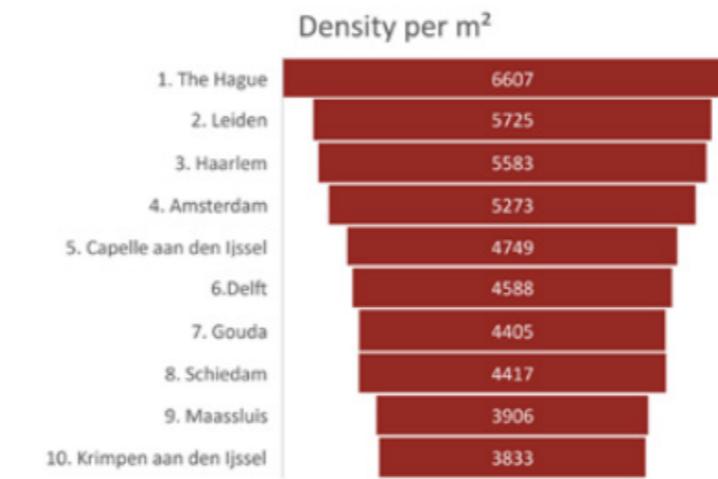
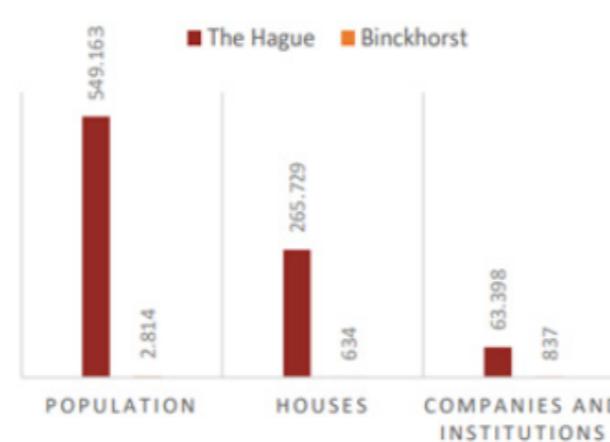
# WHY: PROBLEM IN THE CITY

---

With the Hague continuing to grow in size the **Binckhorst is not at the edge of the city anymore**. Due to the strategic location of the area opportunities arise that can be utilized if the city wants to continue on growing. This explains the vision for the city of the Hague to densify the area and include more housing, to tackle the **housing shortage and shortage of public buildings**, like our hybrid concert hall. the municipality also wants to ensure that the current companies can stay in the Binckhorst, as they have been attached to the area for long and the municipality finds it unethical to move them out. At the same time the municipality is trying to transform the area into a safe, green and car-mellow environment.

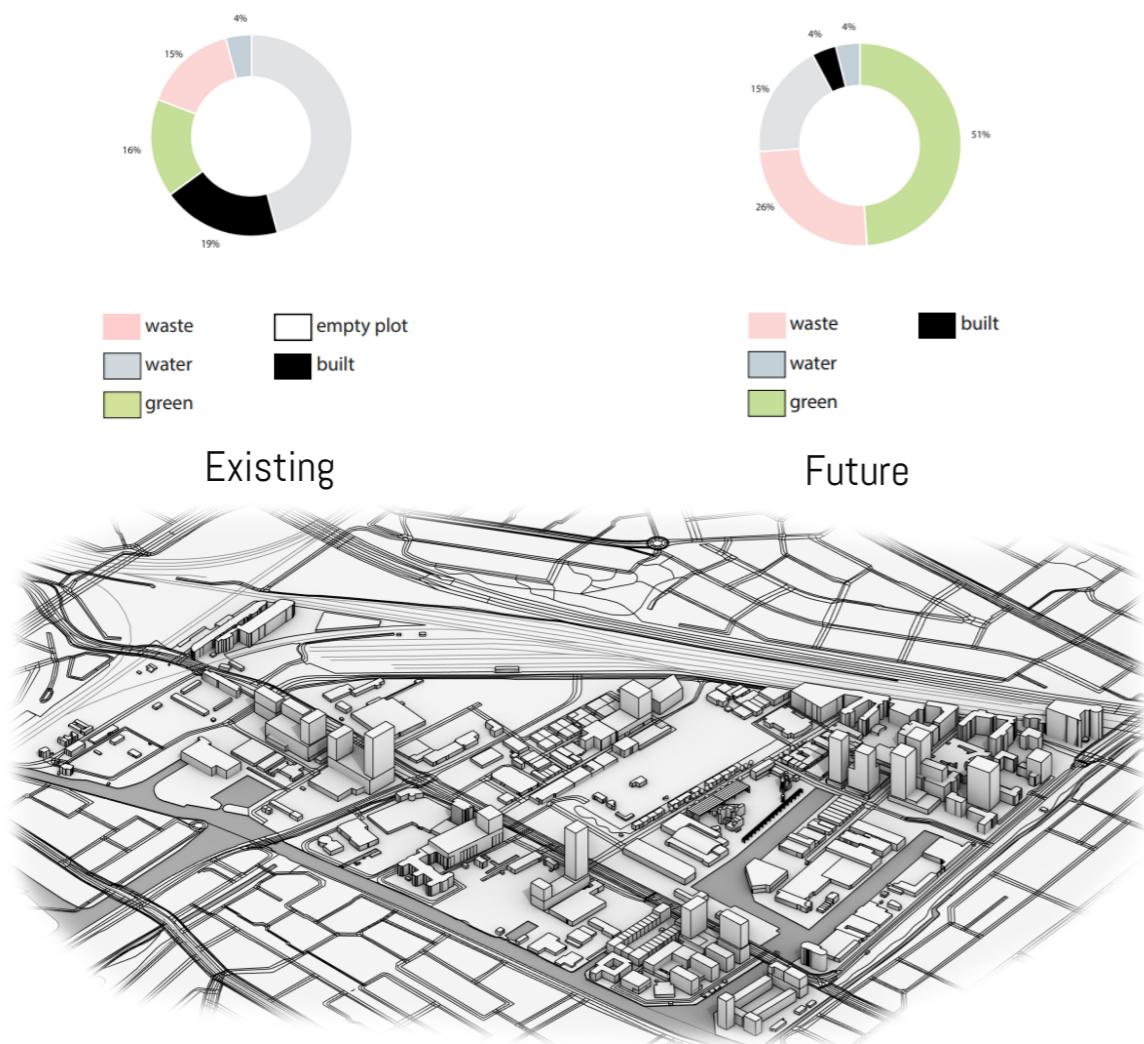
- Source: Lex De Jonge. 2021. AD: Hoe Den Haag in een diepe wooncrisis verzeild raakte

## POPULATION THE HAGUE & BINCKHORST

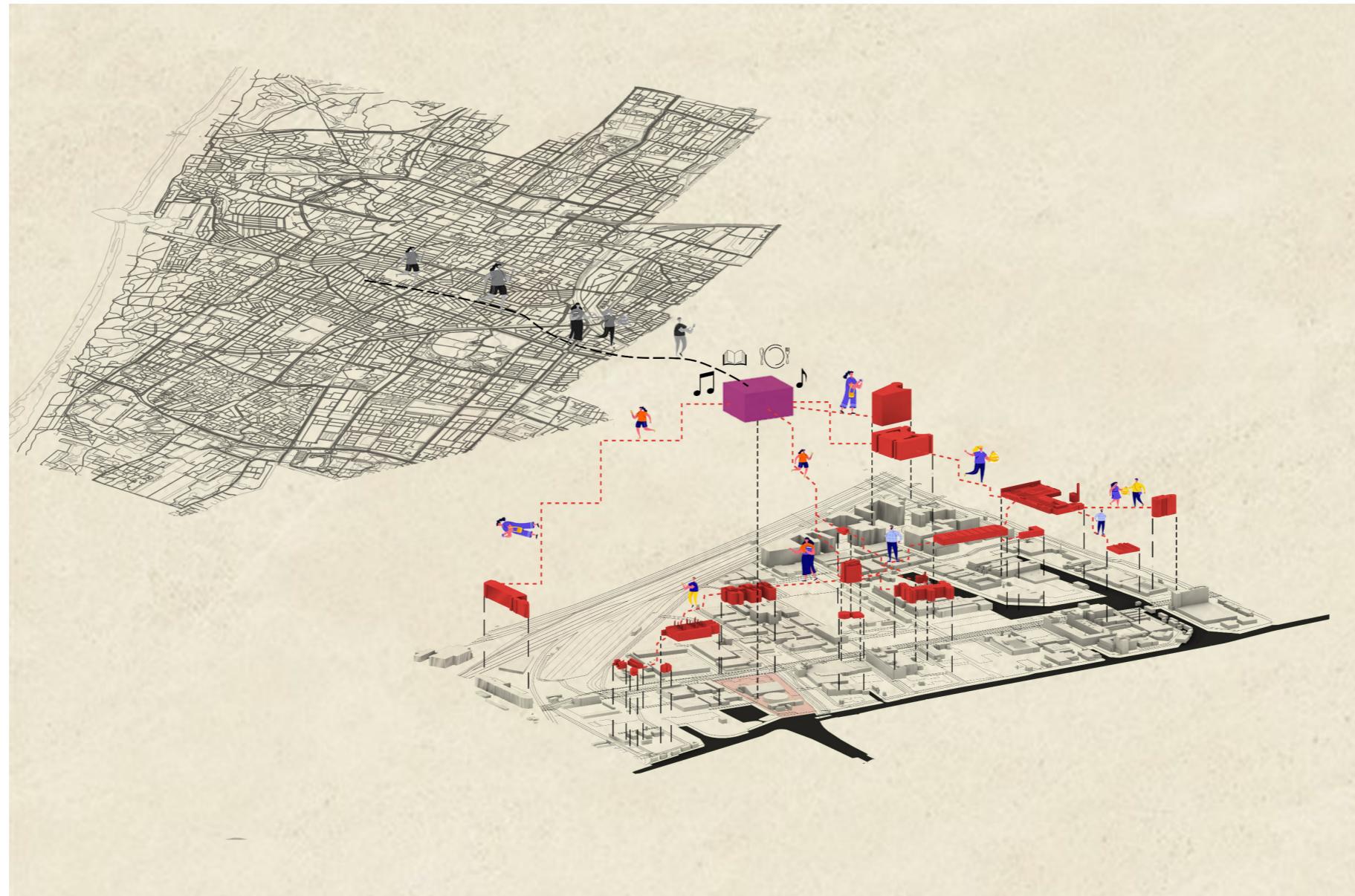


# WHY: BINCKHORST

---



# MANIFESTO: CONNECTION OF THE HAGUE WITH BINCKHORST





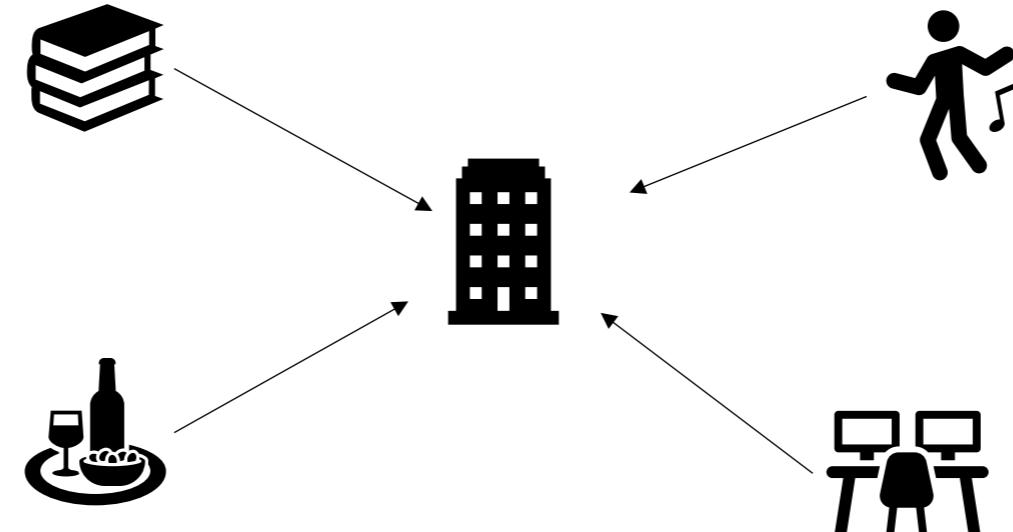
HOW  
PROPOSAL

# HOW: POWER OF HYBRID

---

the hybridization conceptual architectural ideas convey more than just one program; they involve a transdisciplinary symbiosis of disciplines with a clear purpose: "responding to three major challenges of modern society. – *University of Colorado*

1. The land scarcity and its high value
2. Land and construction cost with conservative approaches by government on spending for public infrastructure has forced many civic institutions to find new ways of housing and funding themselves.
3. The need for specificity is allowing some architects to engage program rather than simply building for maximum (and Generic) flexibility, as was the predominant case previously.



WHAT

GOAL OF THE MUSIC BUILDING

# WHAT: GOAL OF THE MUSIC BUILDING

---

## Breathing life into Binckhorst through architecture and music:

- Define a design strategy as an infrastructure connecting "**spaces of encounter**"
  - Connecting The Hague to Binckhorst through **a hybrid program**
- **Connecting and exchange** people through sound and music with different spots in the building, but also with other buildings in Binckhorst (**playground effect**)

the goal is to design a building that is  
about exchange on all levels  
*Binckhorst and Music building itself*

# IMPORTANCE OF MUSIC

---



The increased availability of music seems to encourage people to use music to manipulate their own mood, reduce stress, reduce boredom when performing tedious or repetitive tasks, and create environments suitable for certain types of social occasions.. Basically, music is used by individuals to improve the quality of their lives. – **Research of university of Oxford**

## WHAT: PROGRAM AND TARGET GROUPS

---



MUSICHALL



FOODCOURT & RESTAURANT



LIBRARY & STUDY

ONE BUILDING



# INTERACTION BETWEEN FUNCTIONS

---

OFFICE

MUSICHALL

PUBLIC

SILENCE

HARMONIC

VIBRANT

 MUSICHALL: HARMONIC

 FOODCOURT & RESTAURANT: VIBRANT



LIBRARY & STUDY: SILENCE

WHERE

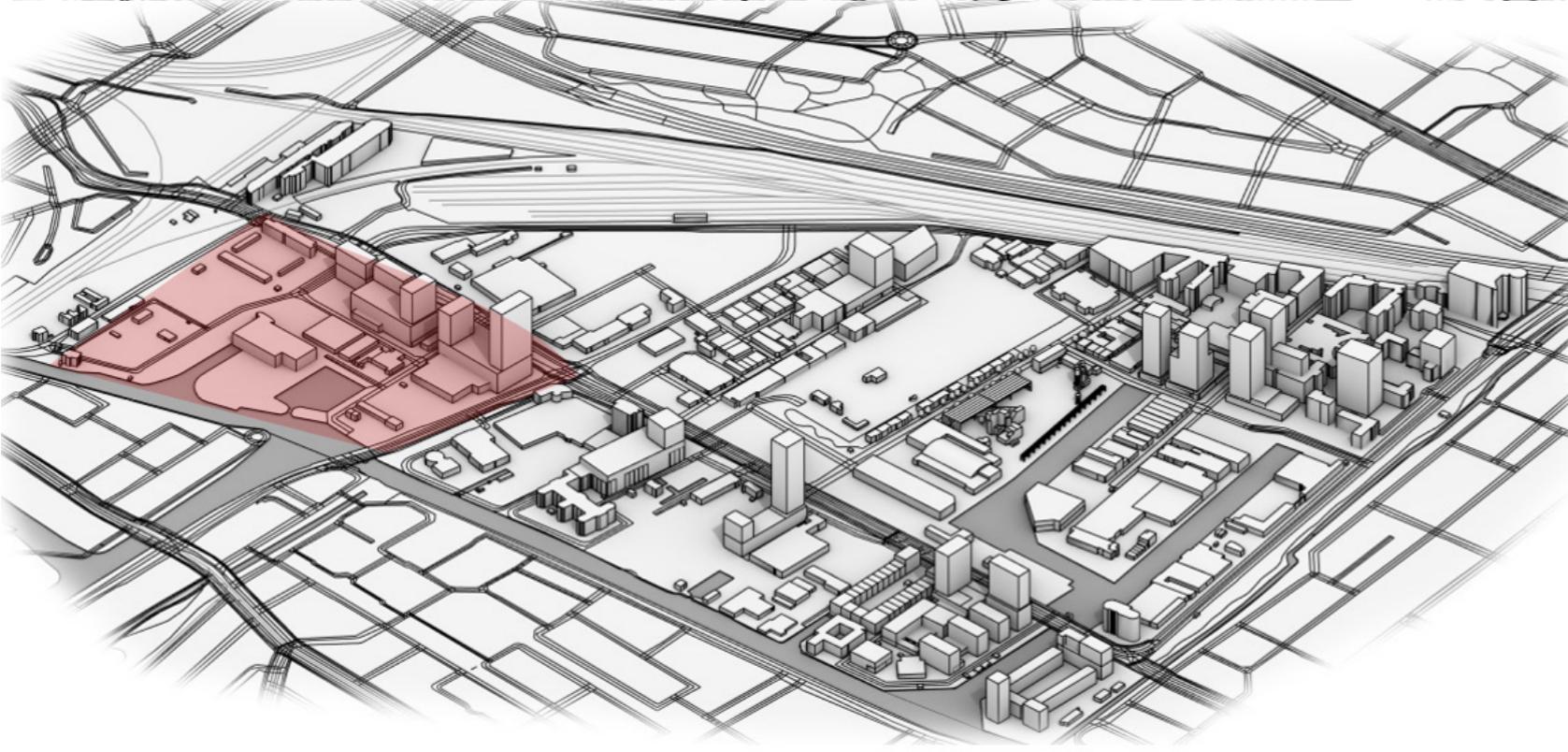
STRATEGIC PLACE IN BINCKHORST

# WHERE: GASFABRIEKTERREIN



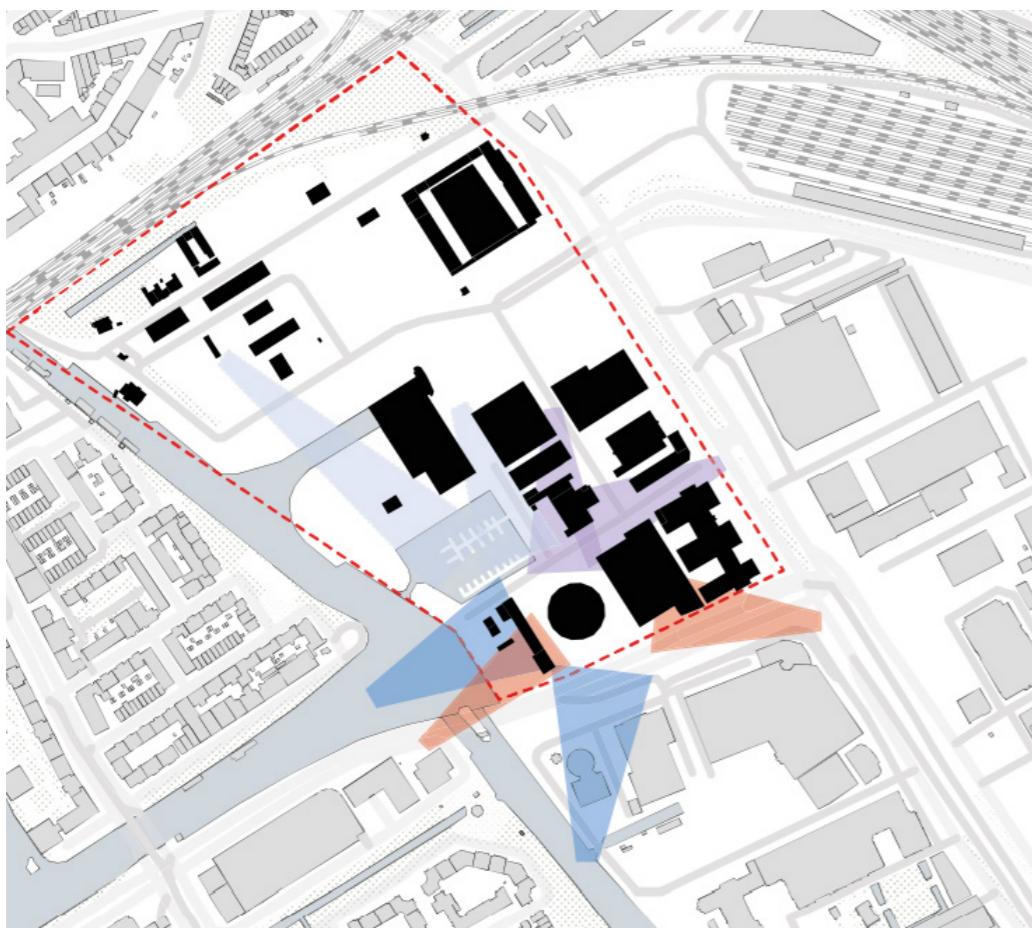
S100

waterfrontpark



# WHERE: GASFABRIKTERREIN

---



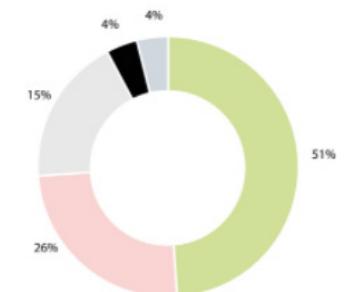
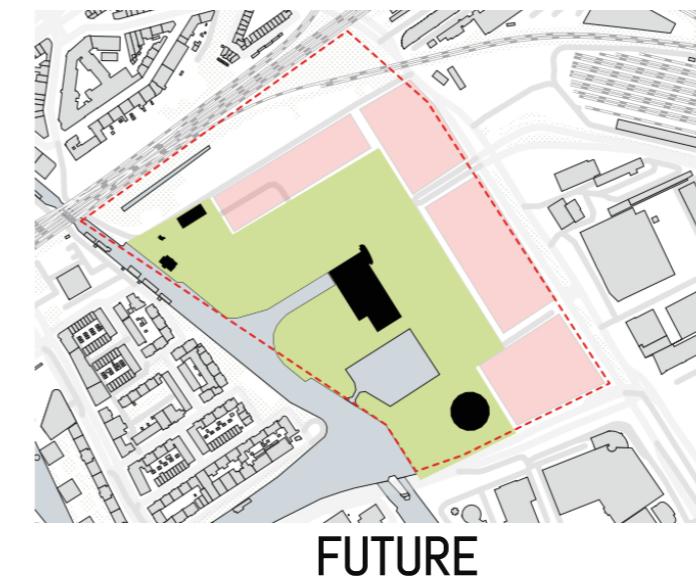
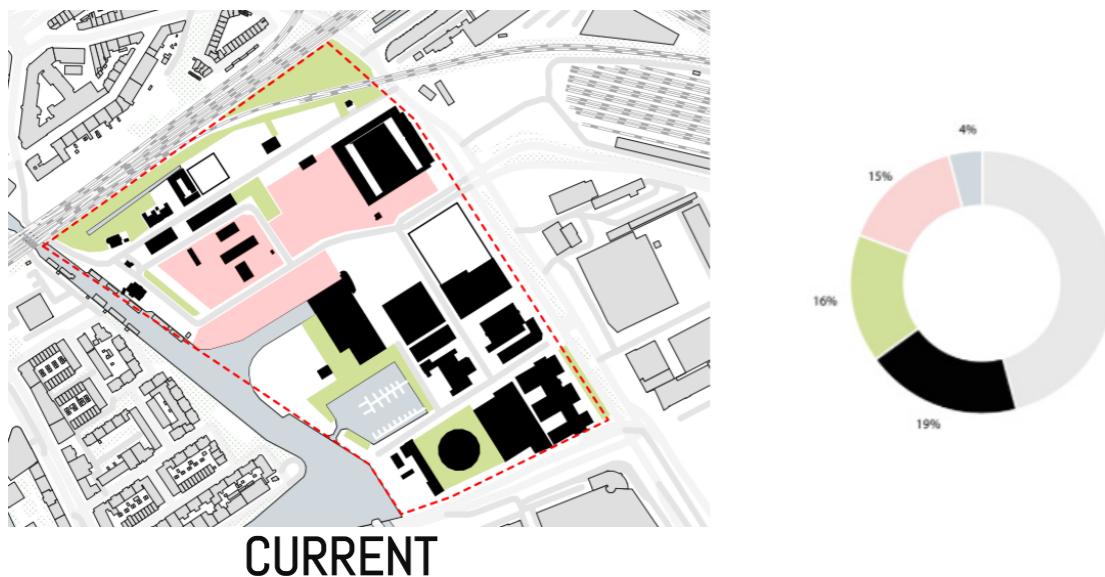
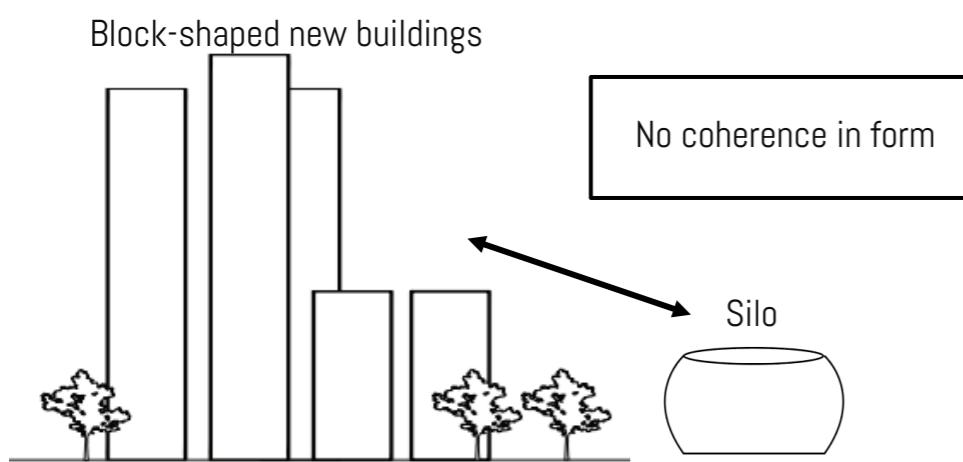
Blue: View on spot from waterside  
Red: View on spot from roadside  
Purple: View on spot from bicycle road  
Light Blue: View on spot from park - pedestrian road



Blue: Connection through water (boat)  
Red: Connection S100 highway and bike road (car – bike)

# WHERE: GASFABRIEKTERREIN

**FUTURE**





USERS OF THE BUILDING

THE BENEFITS OF THIS CONCEPT

## CONCEPT EXPLANATION

---

SILENCE



HARMONY



VIBRANT



## DIVIDING OF FUNCTIONS

---

SILENCE



OFFICE PERFORMER SPACE STUDY YOGA LIBRARY

HARMONY



PERFORM 1 PERFORM 2 RECORDING

VIBRANT



PRACTISE FOODCOURT BACKSTAGE KITCHEN DAY EVENTS

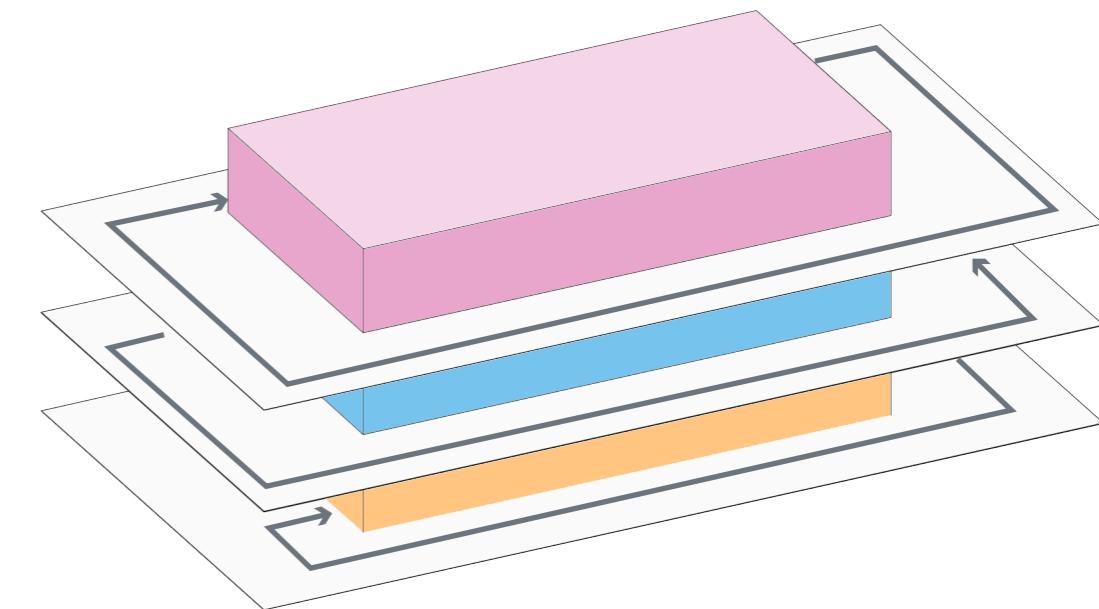
# DIVIDING OF FUNCTIONS

---

SILENCE

HARMONY

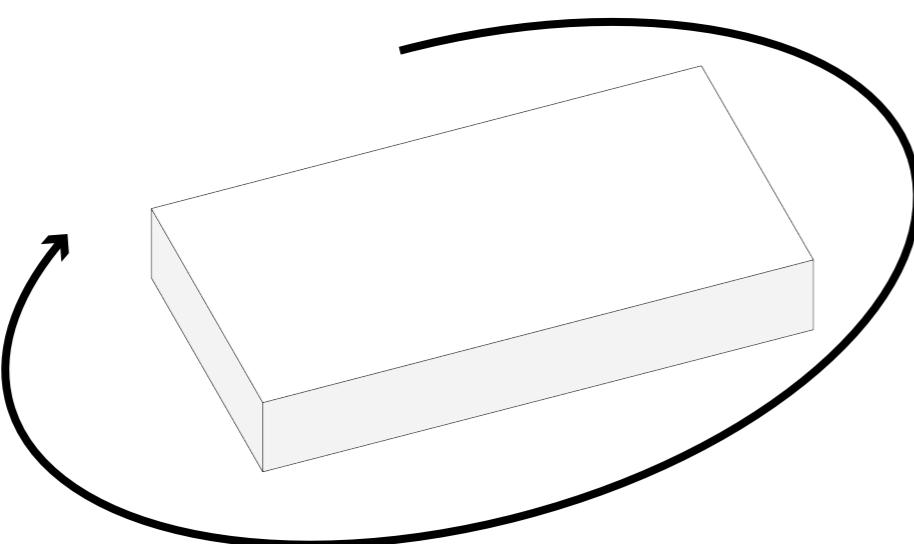
VIBRANT



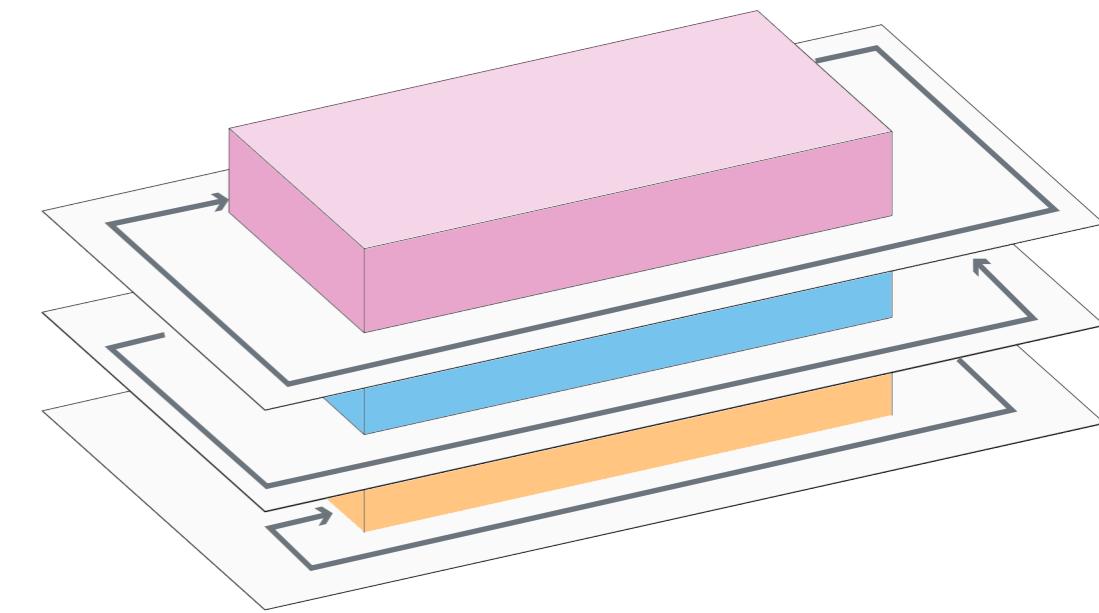
STACKING THE CLUSTERS TO ACCOMPLISH INDEPENDENT LAYERS

# CIRCULATION AROUND CLUSTERS

---



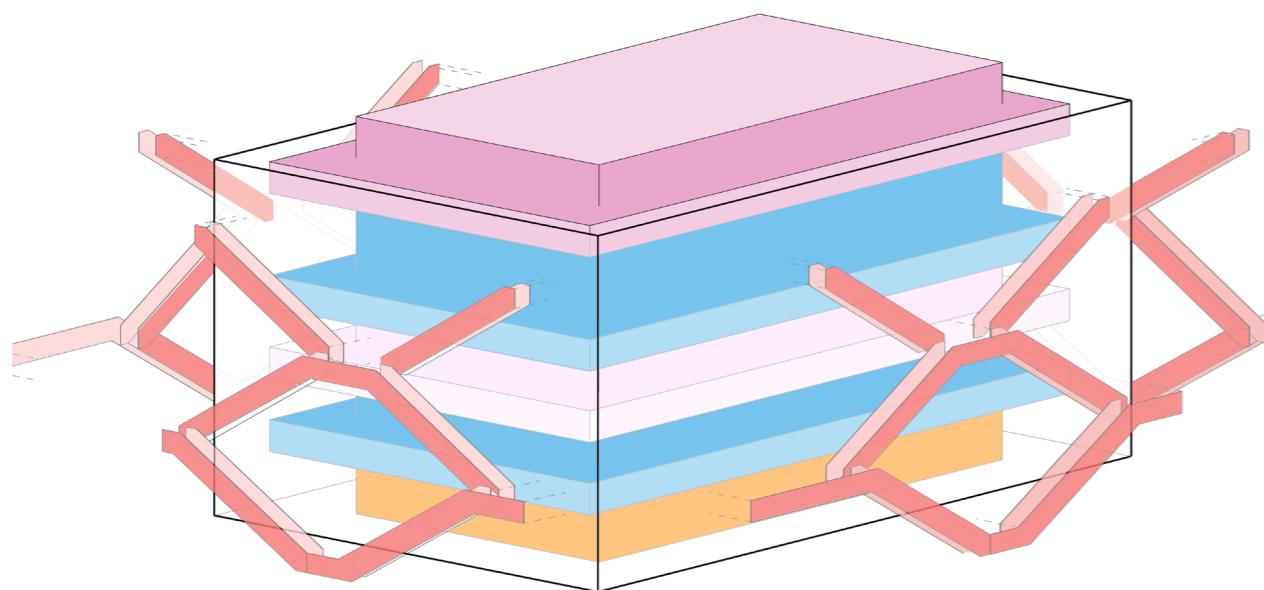
CIRCULATION IN HORIZONTAL DIRECTION



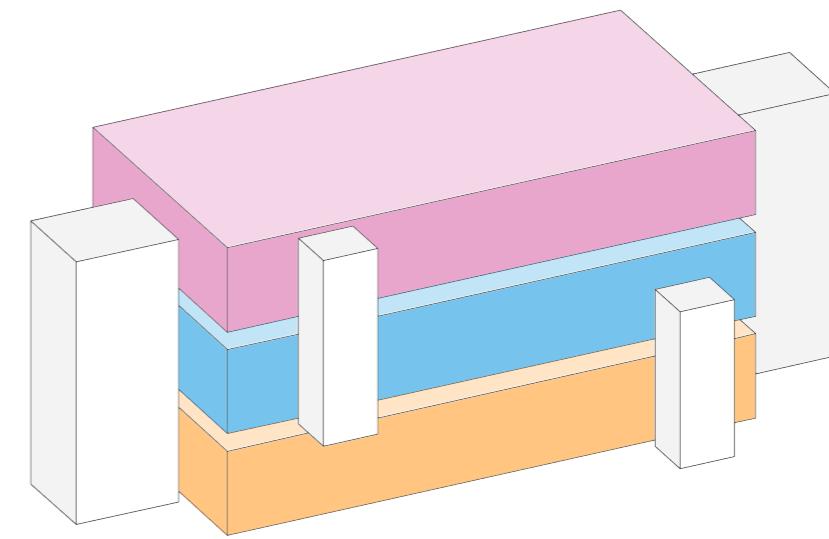
CIRCULATION IN VERTICAL DIRECTION

# CIRCULATION AROUND CLUSTERS

---



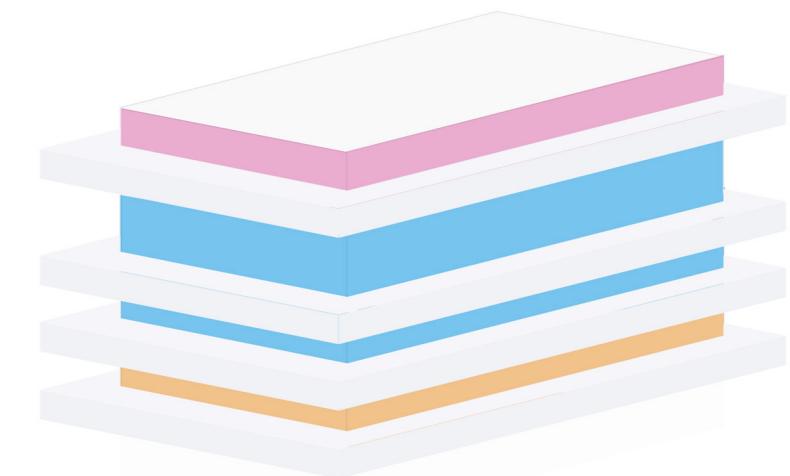
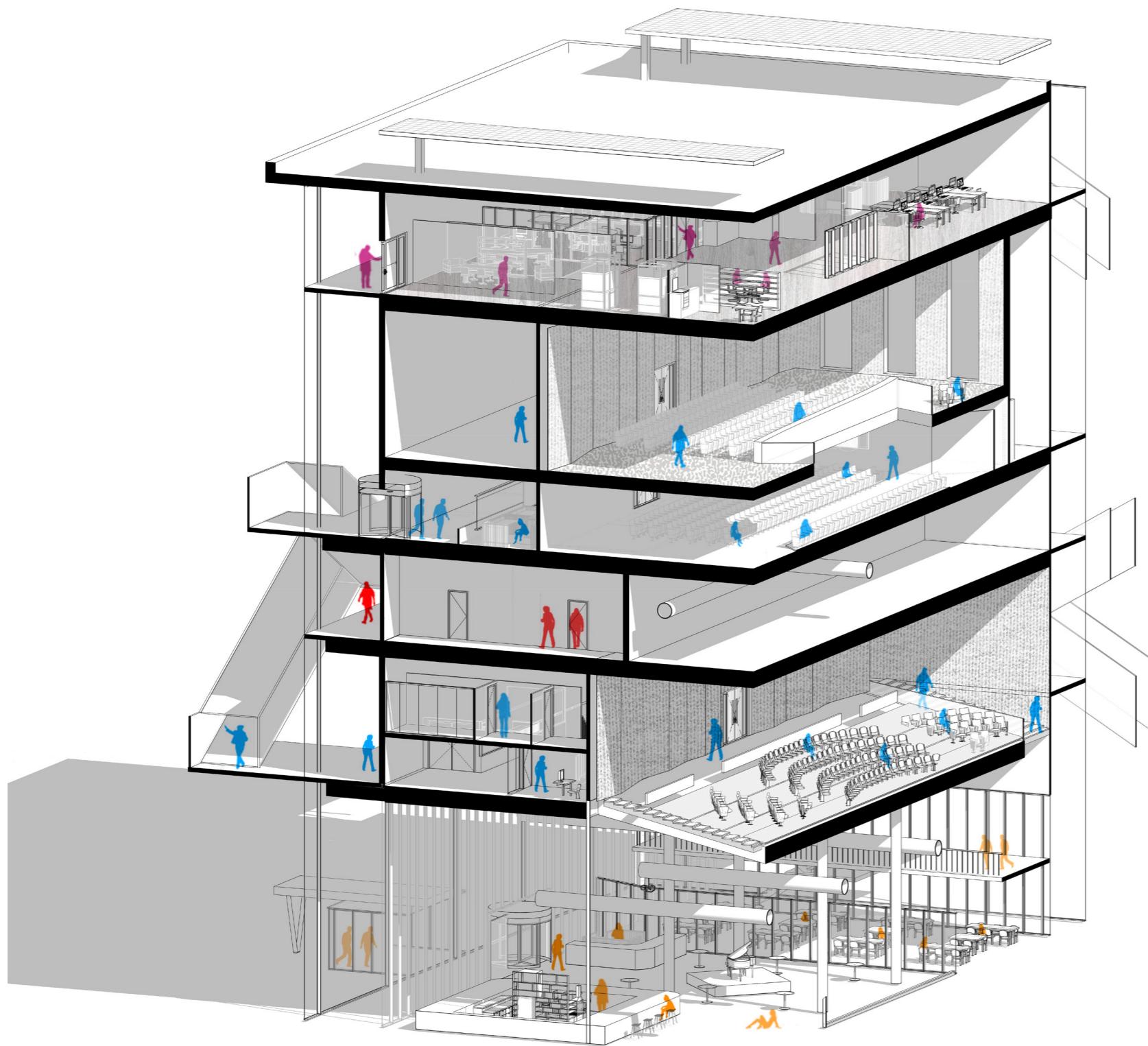
CIRCULATION IN VERTICAL DIRECTION  
LONG DISTANCE



CIRCULATION IN VERTICAL DIRECTION  
SHORT DISTANCE

# EXPERIENCE IN AXONOMETRY

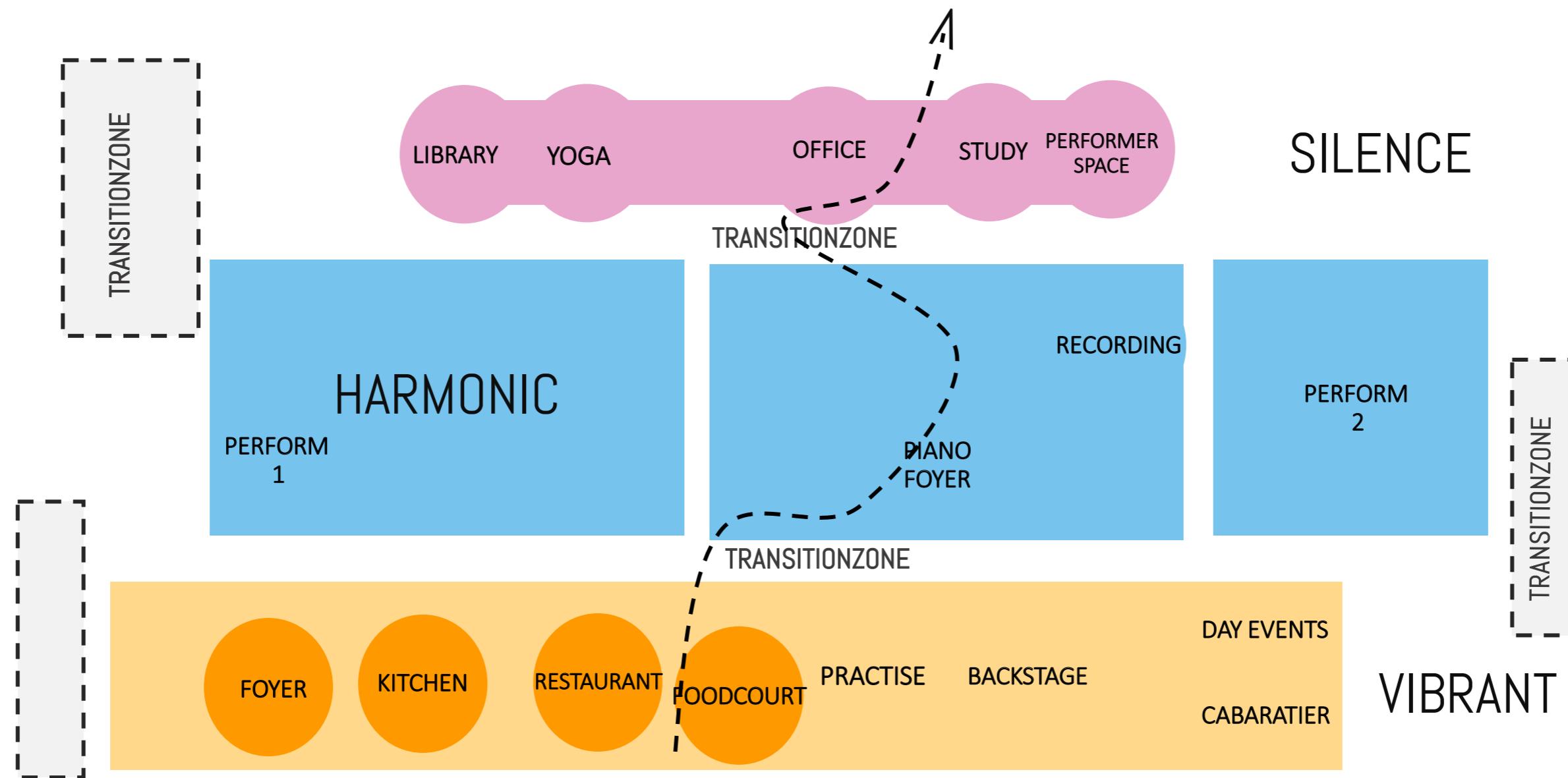
---



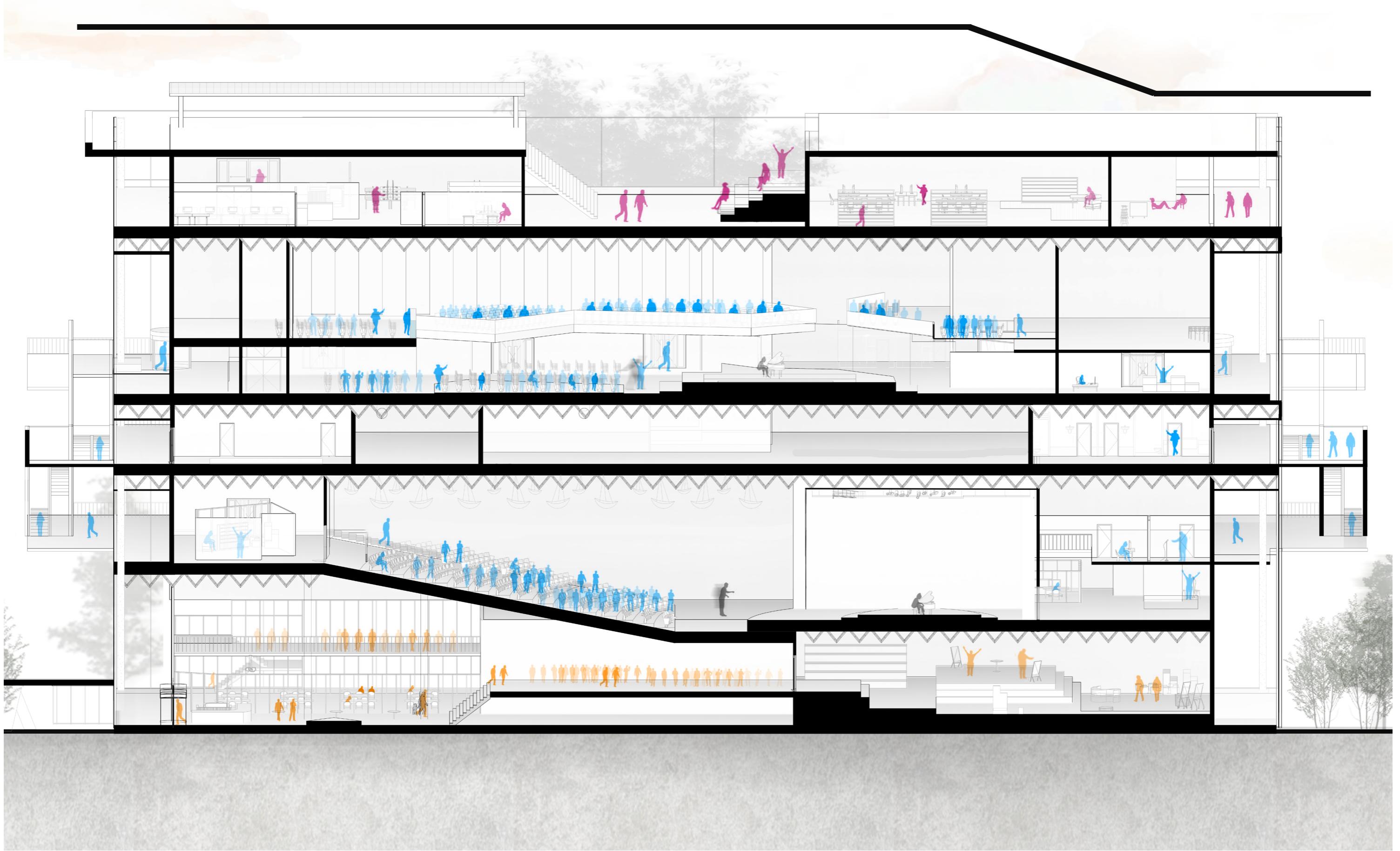
OUTCOME

TRANSLATION CONCEPT INTO DESIGN

# FROM CONCEPT TO....



# ... DESIGN SECTION

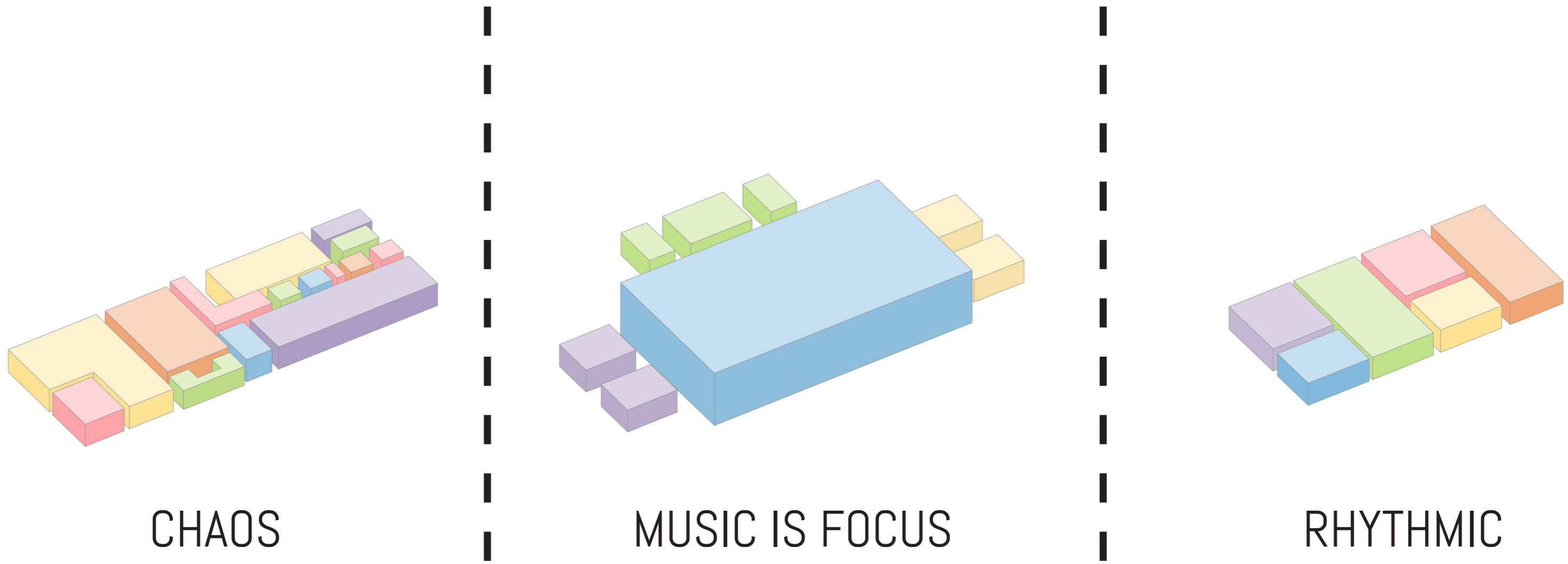


... AND A MODEL

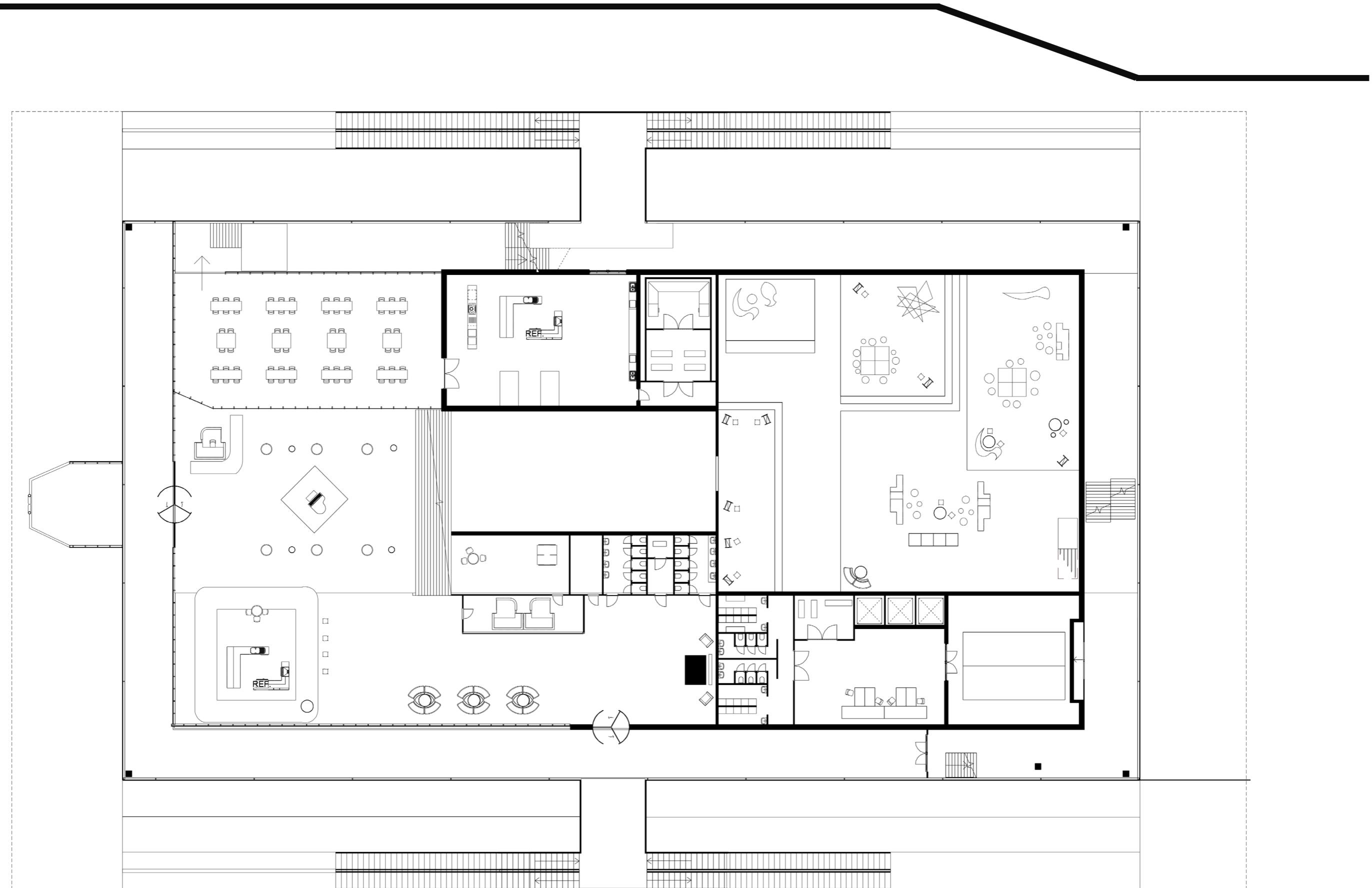
---



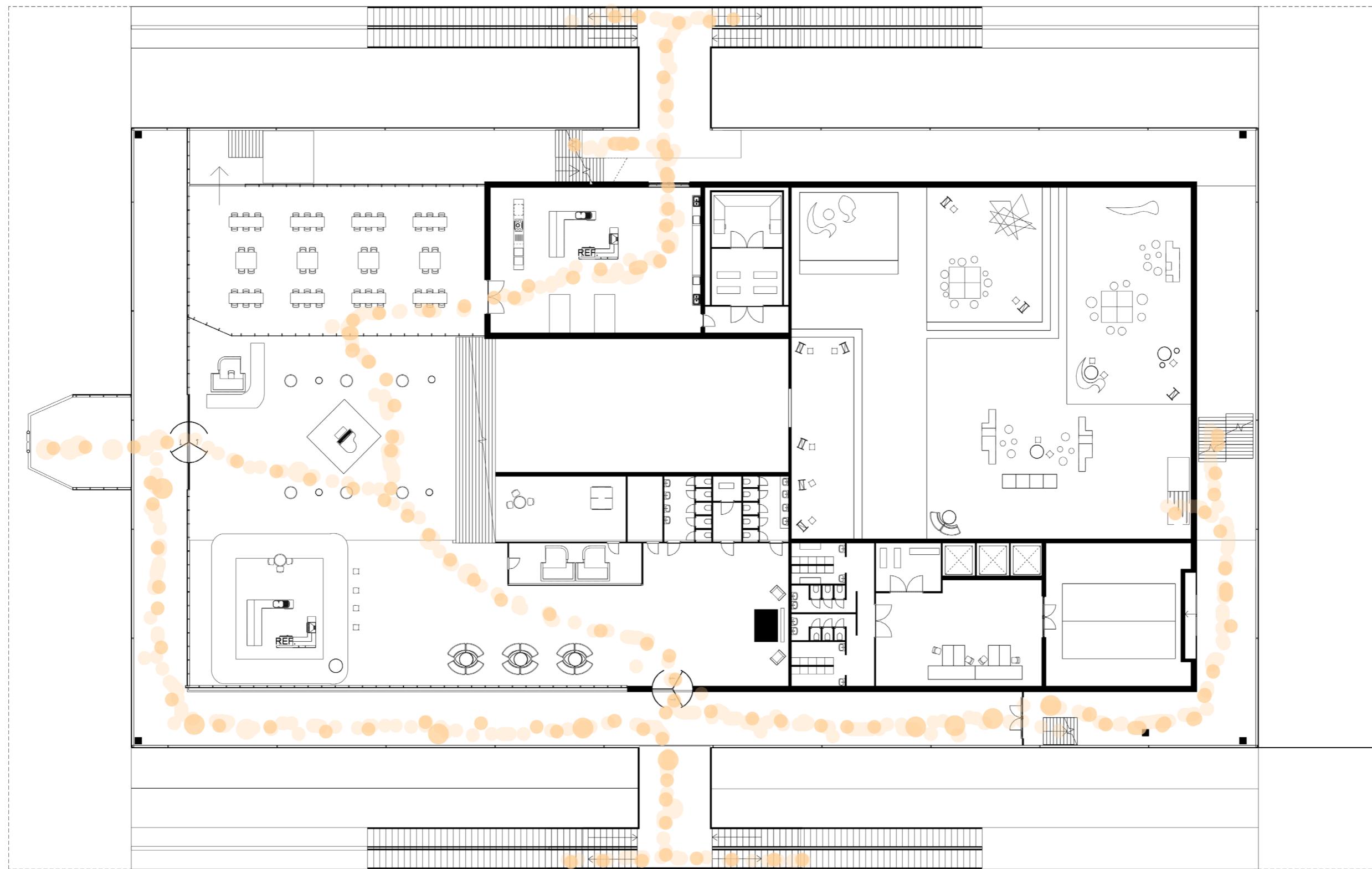
## FLOORPLAN DIVISION



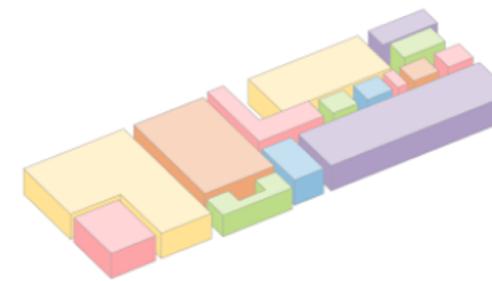
# GROUND FLOOR FLOORPLAN [VIBRANT]



# GROUND FLOOR FLOORPLAN [VIBRANT]



# GROUND FLOOR FLOORPLAN [VIBRANT]



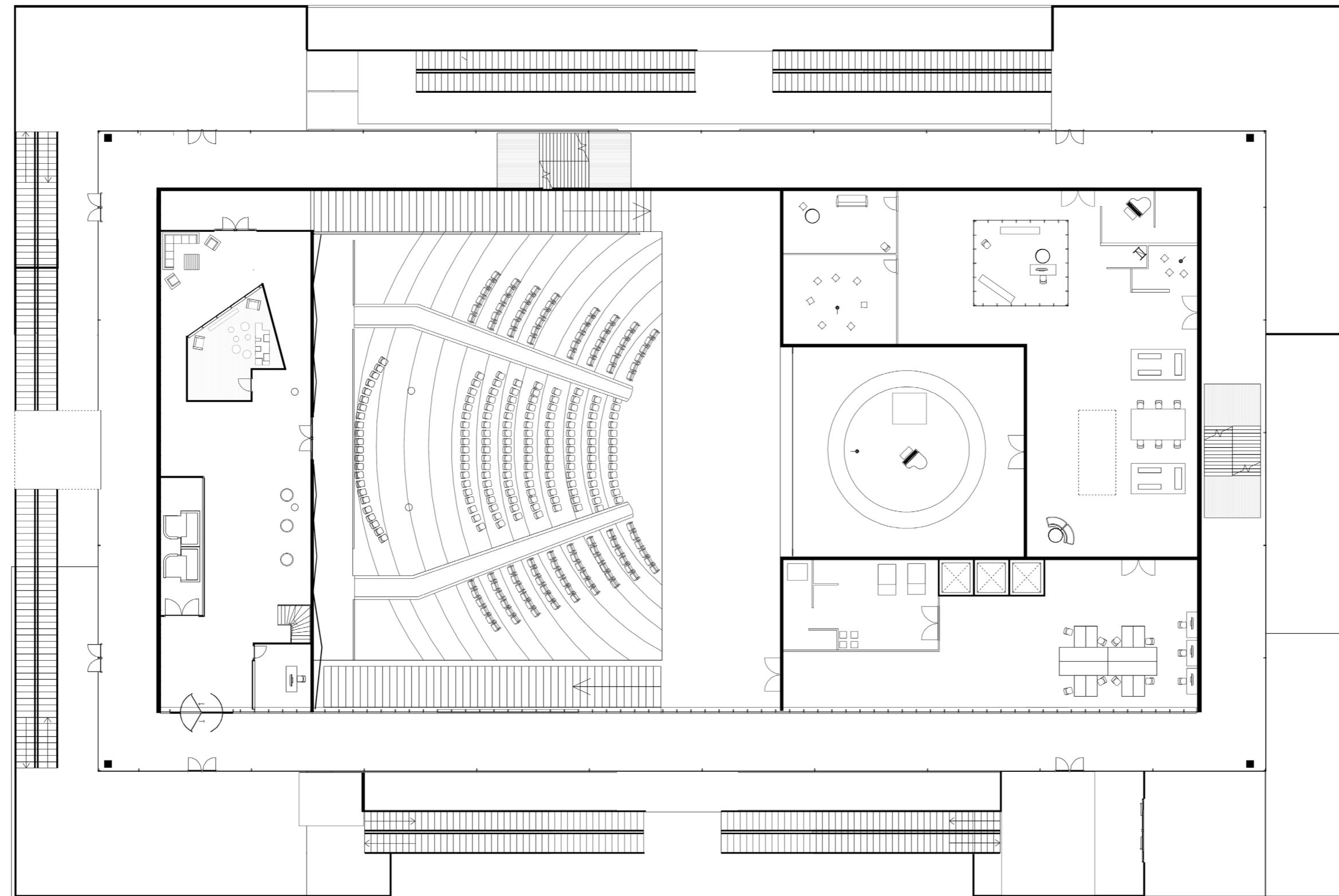
# GROUNDFLOOR FLOORPLAN [VIBRANT]



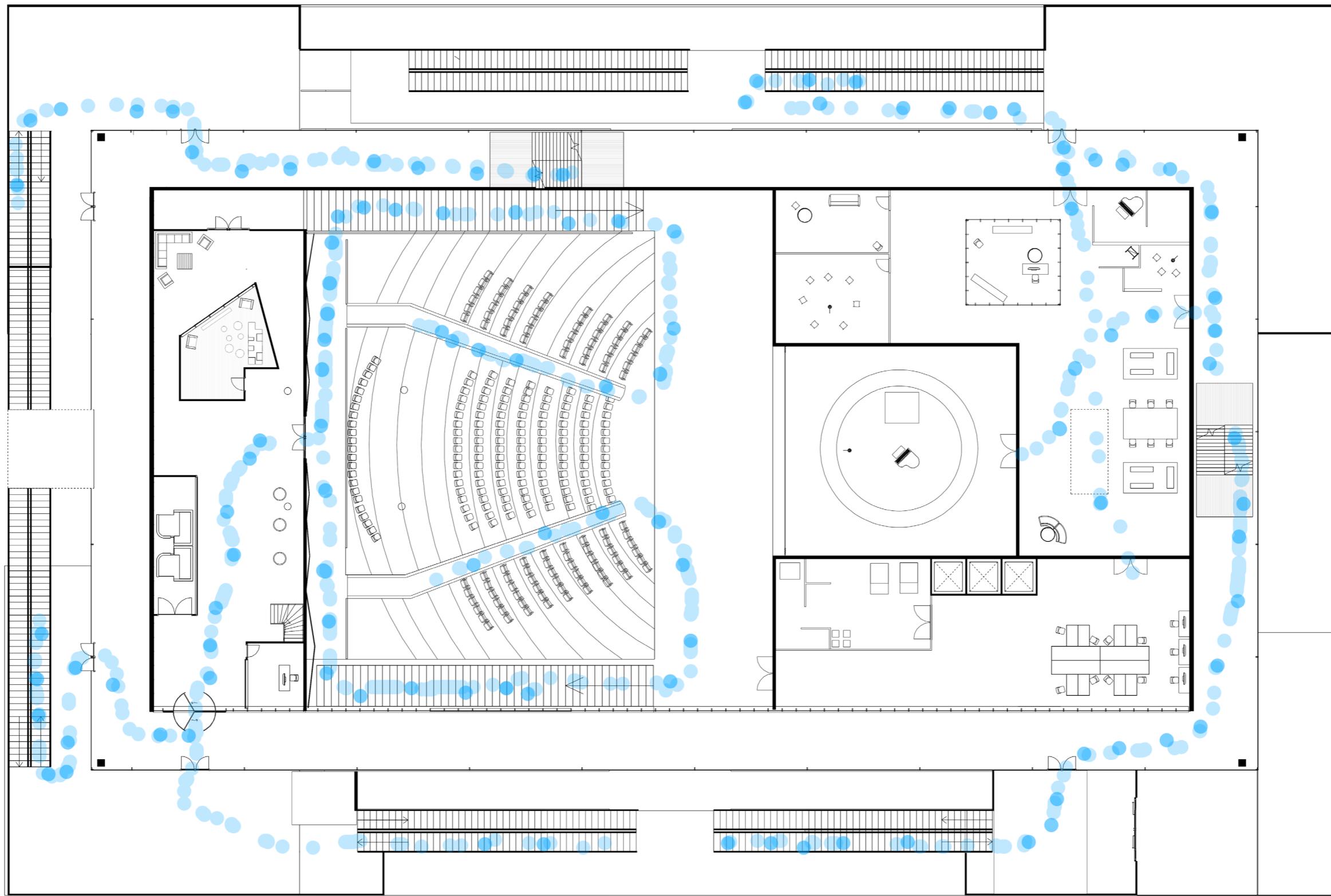


GROUNDFLOOR AXONOMETRY [VIBRANT]

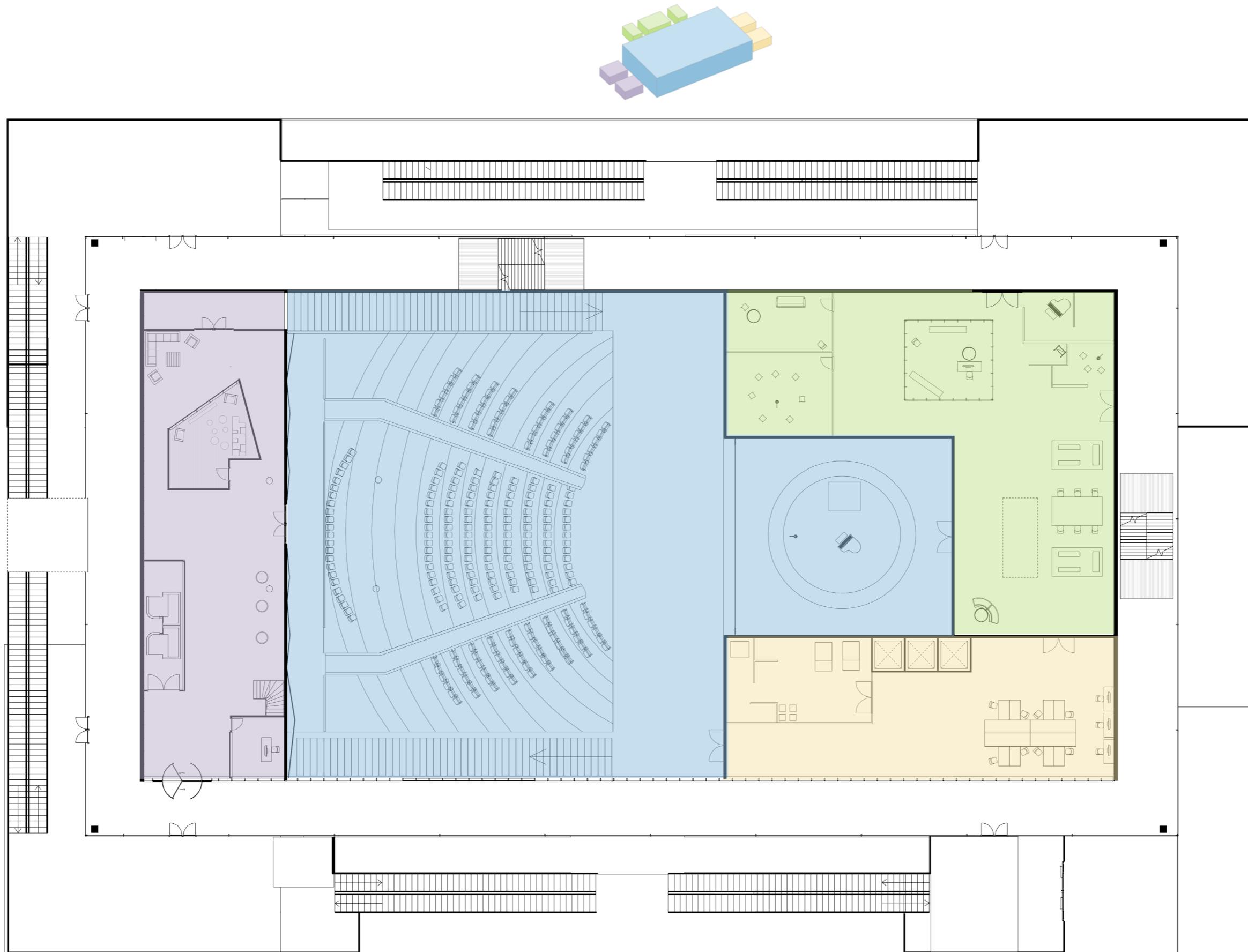
# FIRST FLOORPLAN [HARMONIC]

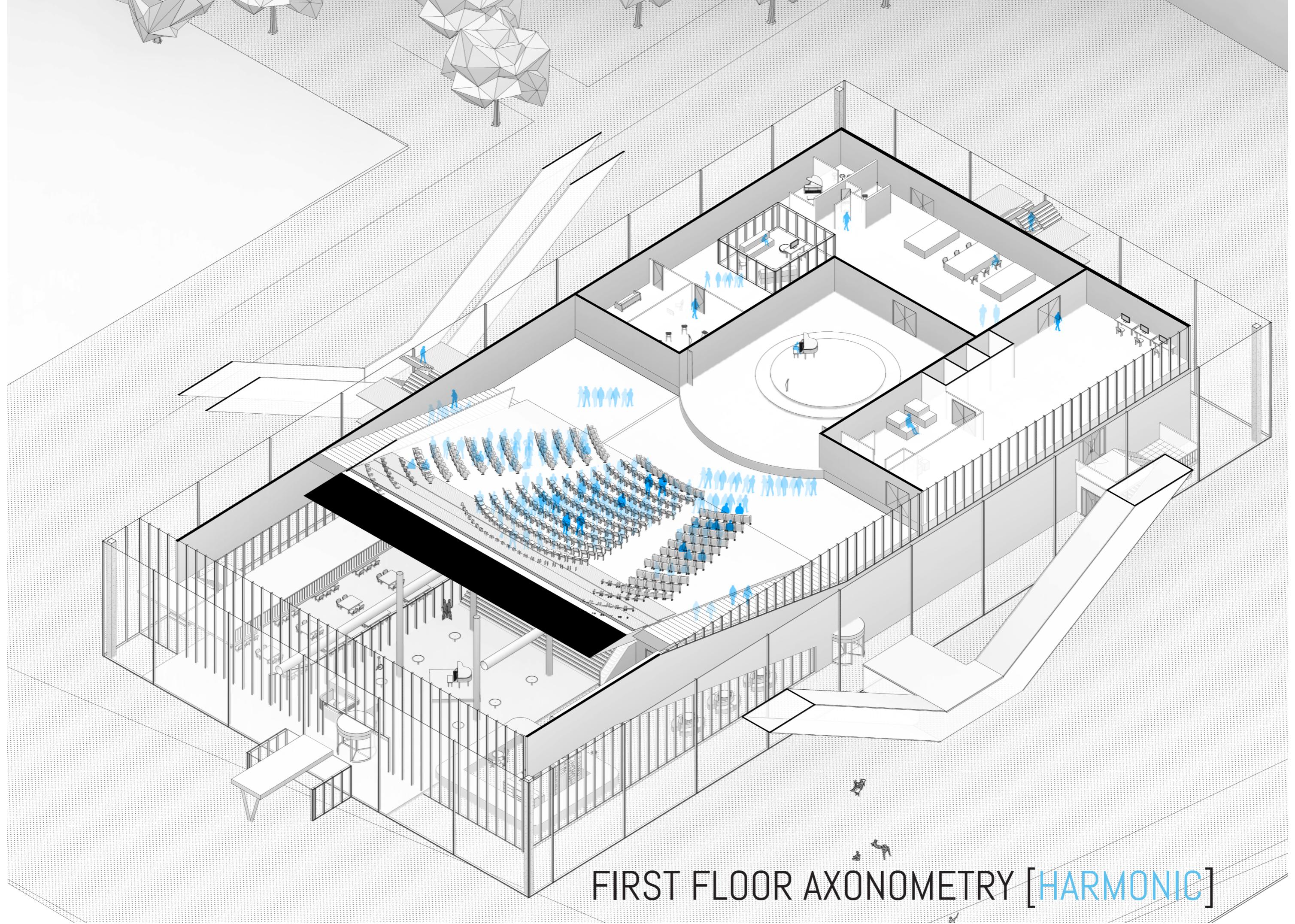


# FIRST FLOORPLAN [HARMONIC]



# FIRST FLOORPLAN [HARMONIC]





FIRST FLOOR AXONOMETRY [HARMONIC]

# FIRST FLOORPLAN [HARMONIC]

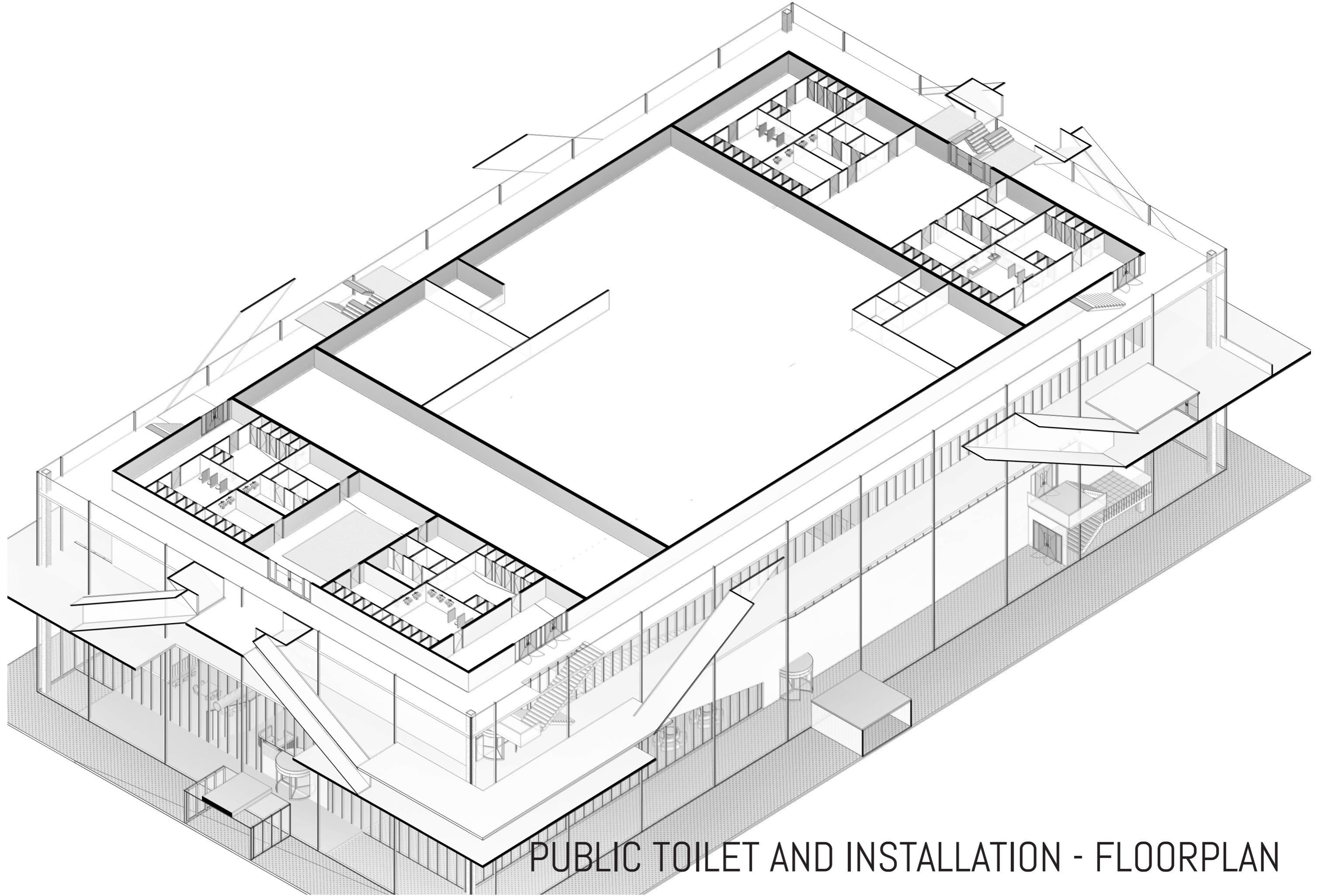


# FIRST FLOORPLAN [HARMONIC]

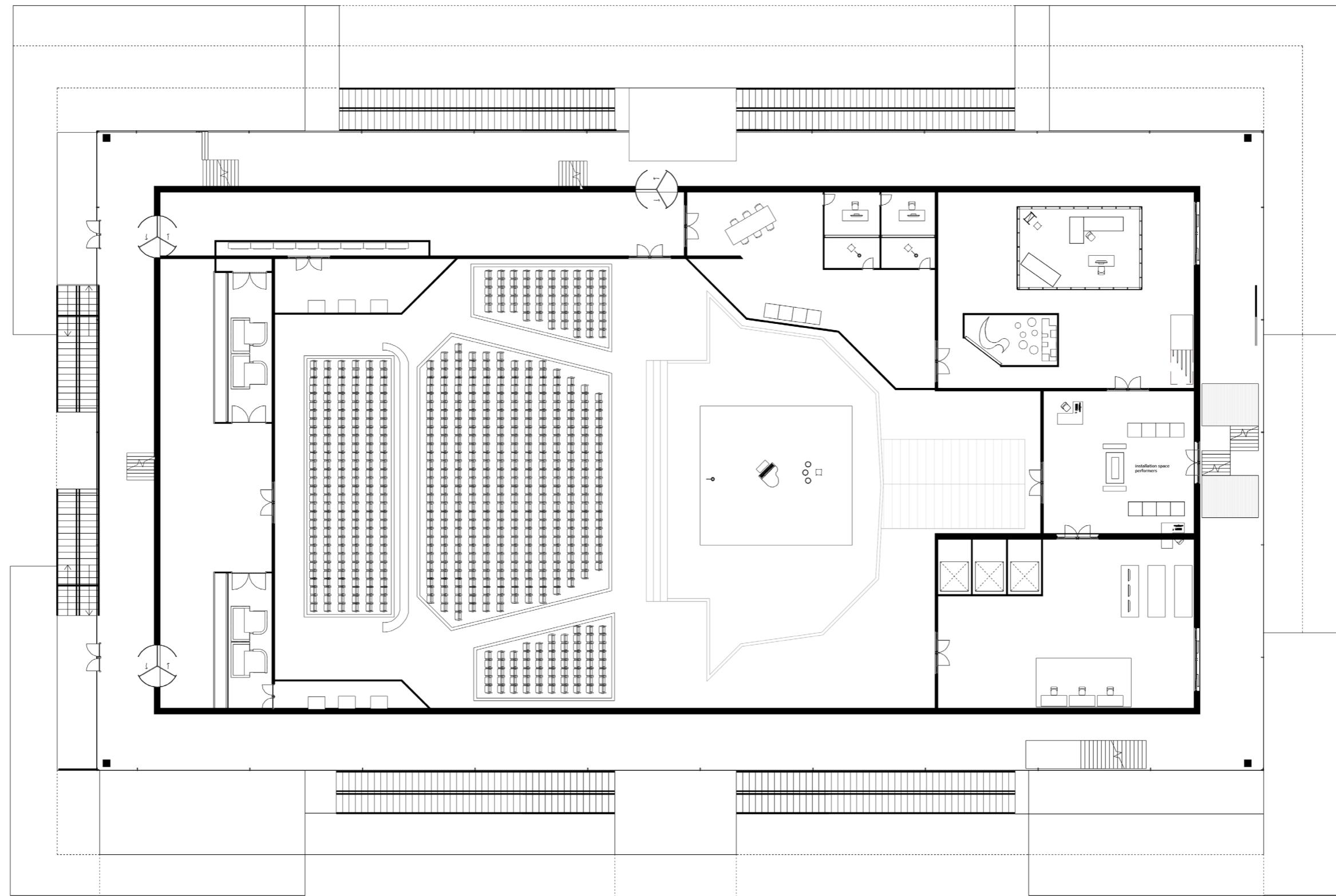


# PUBLIC TOILET AND INSTALLATION - FLOORPLAN

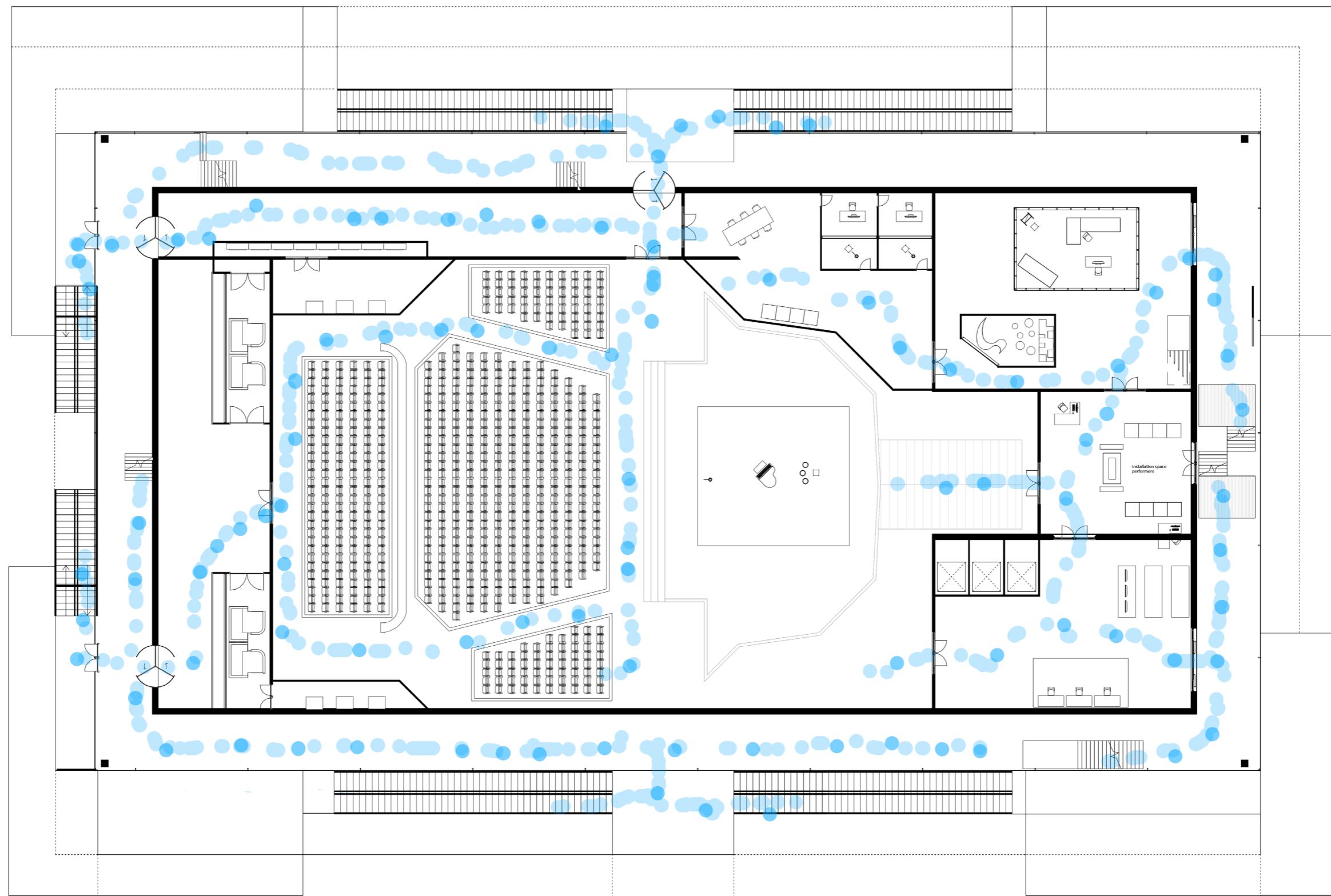




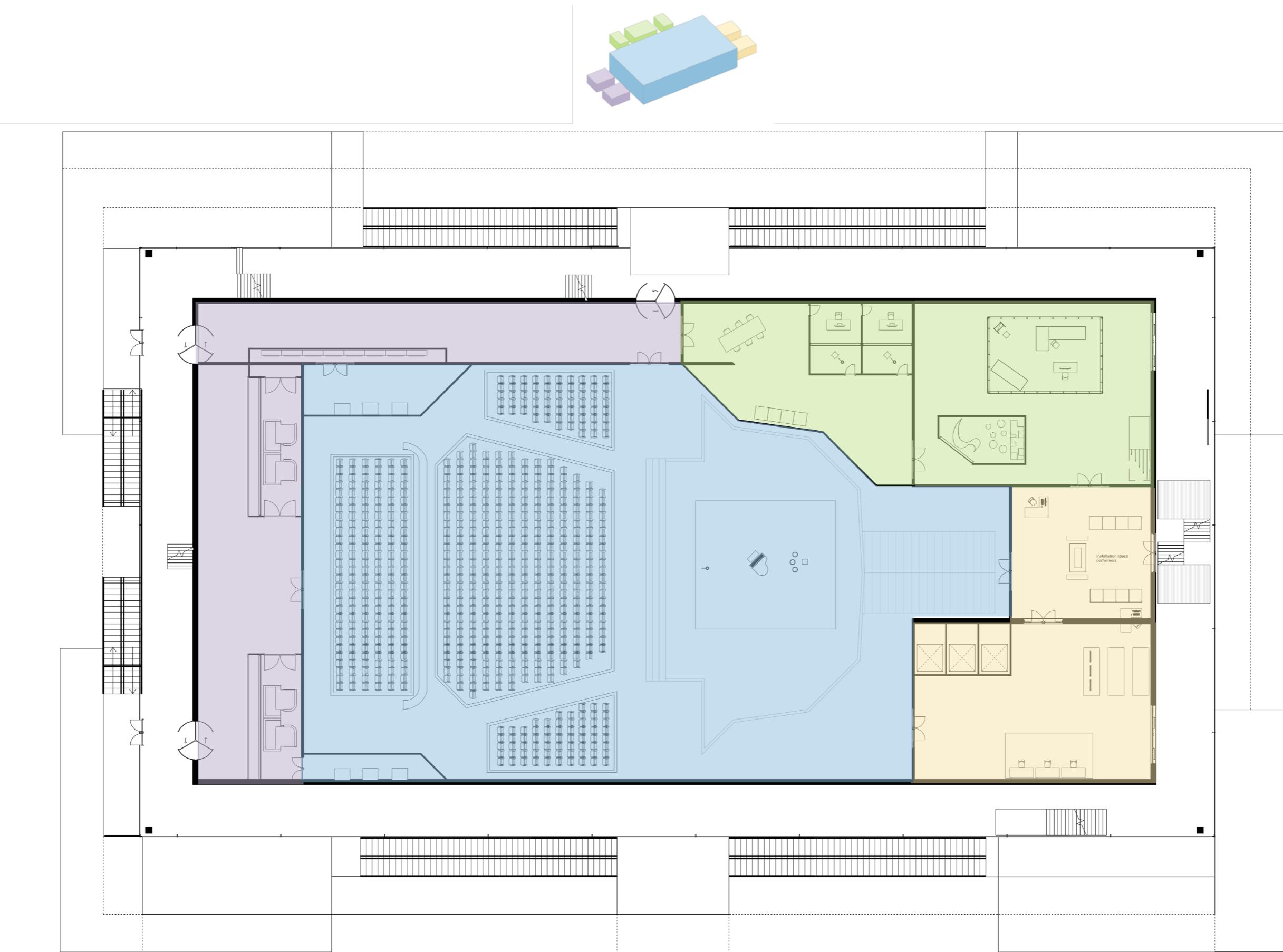
# THIRD FLOORPLAN [HARMONIC]



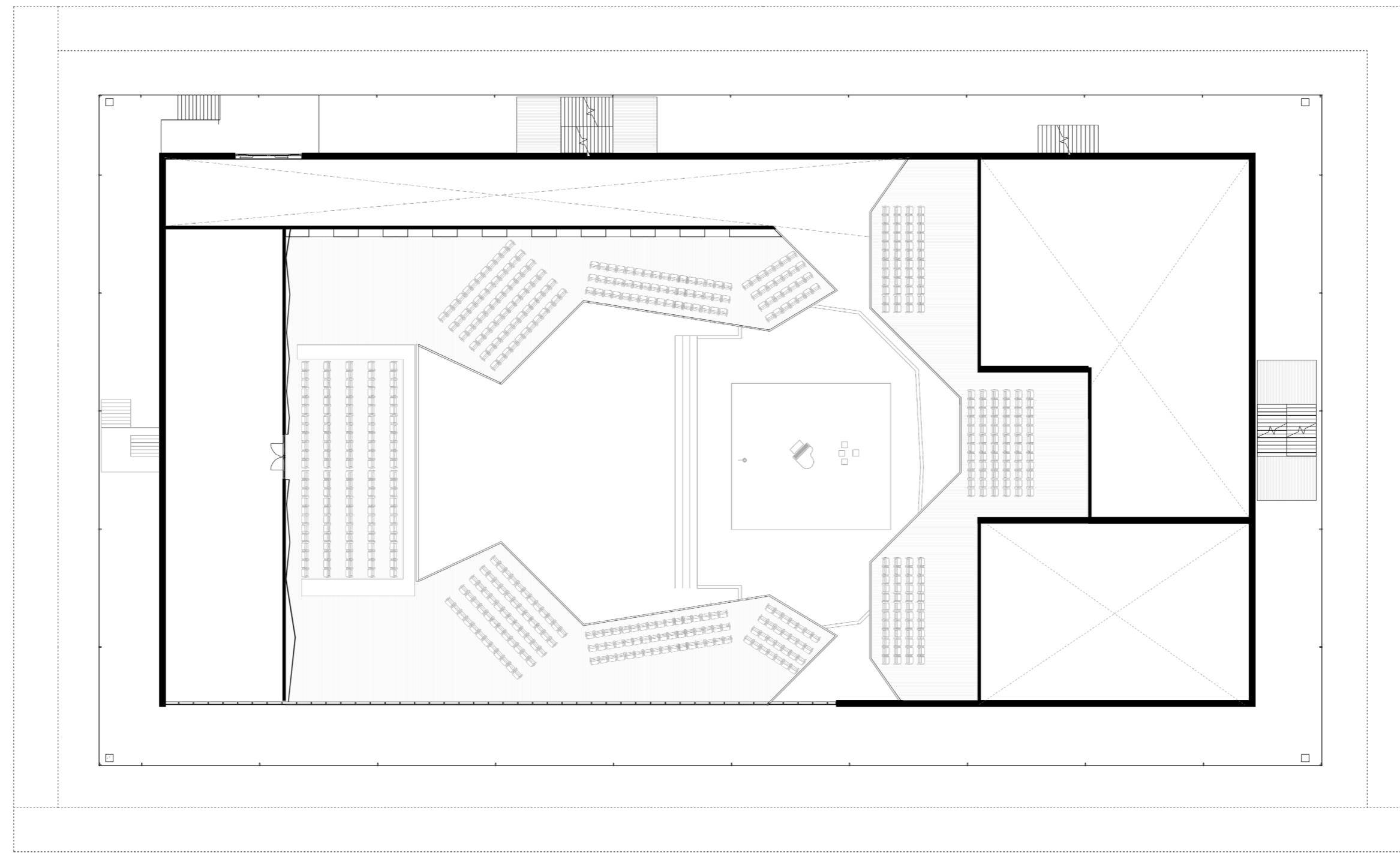
# THIRD FLOORPLAN [HARMONIC]



# THIRD FLOORPLAN [HARMONIC]



# THIRD FLOORPLAN [HARMONIC]

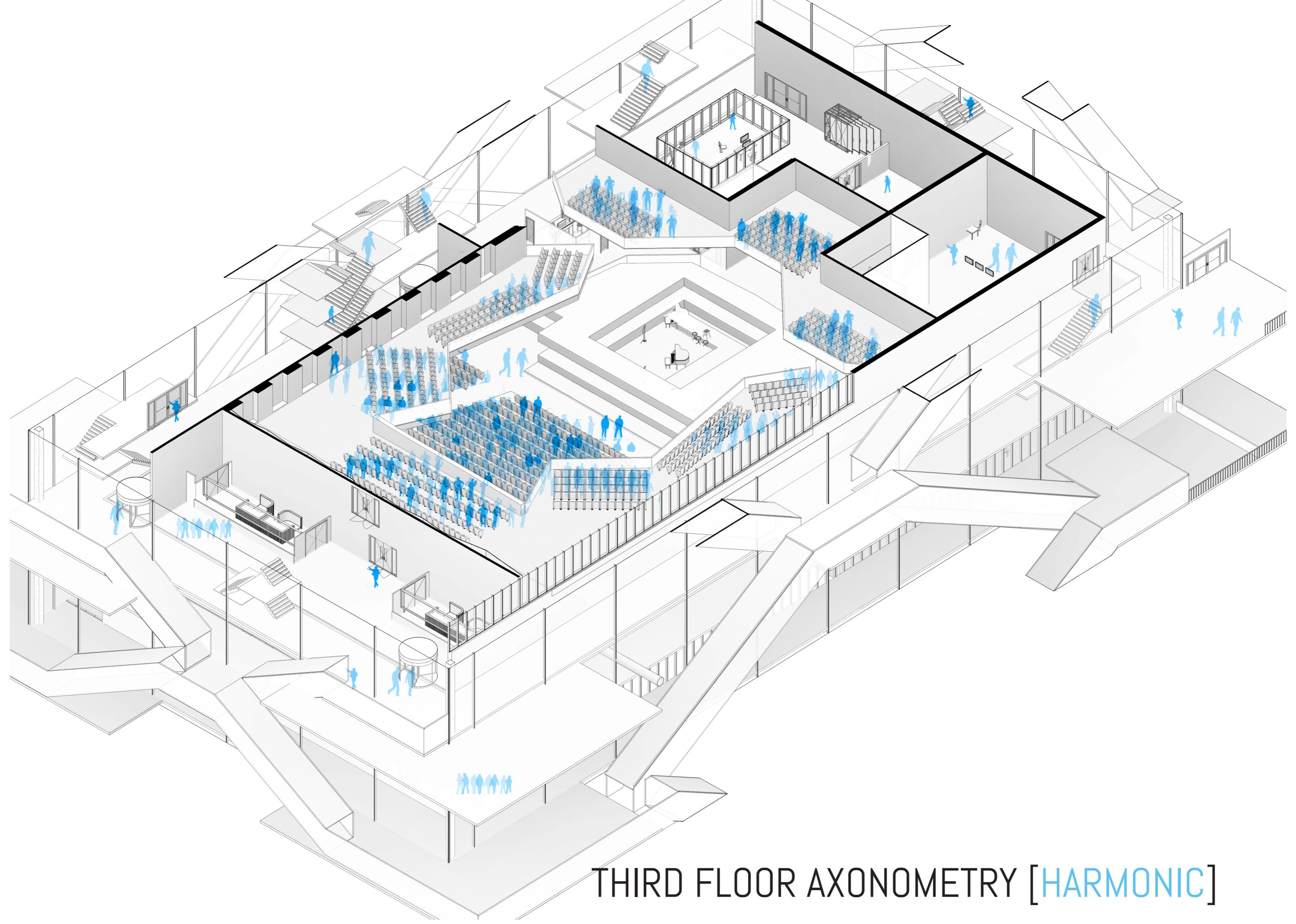


# THIRD FLOORPLAN [HARMONIC]



# THIRD FLOORPLAN [HARMONIC]

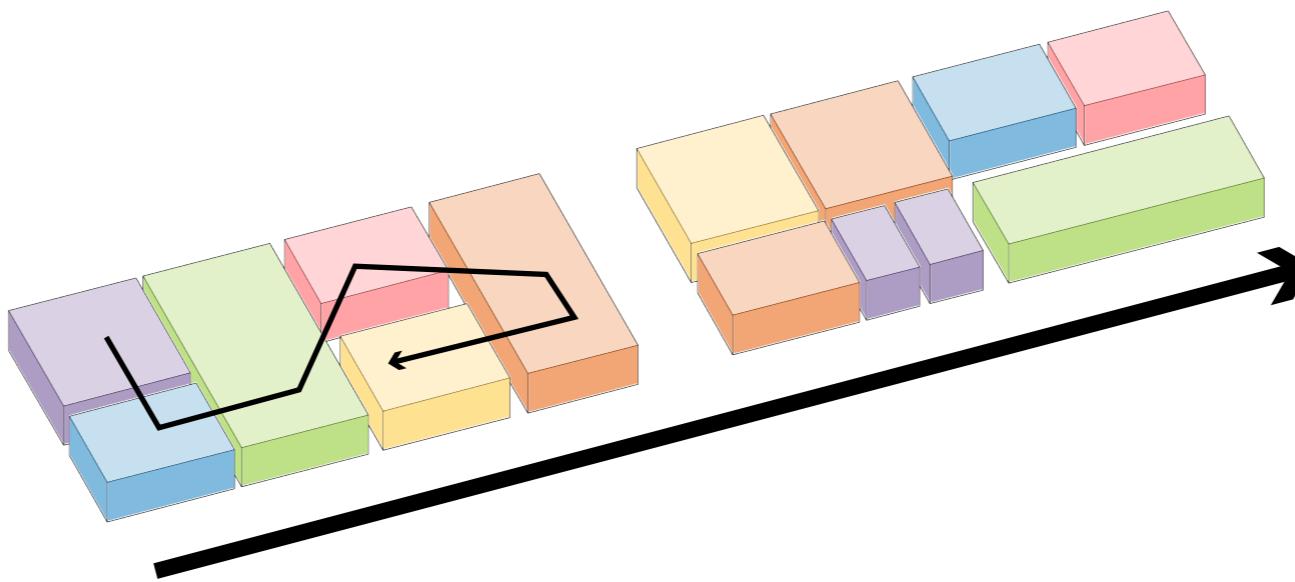




THIRD FLOOR AXONOMETRY [HARMONIC]

# ADVANTAGE OF THE CIRCULATION

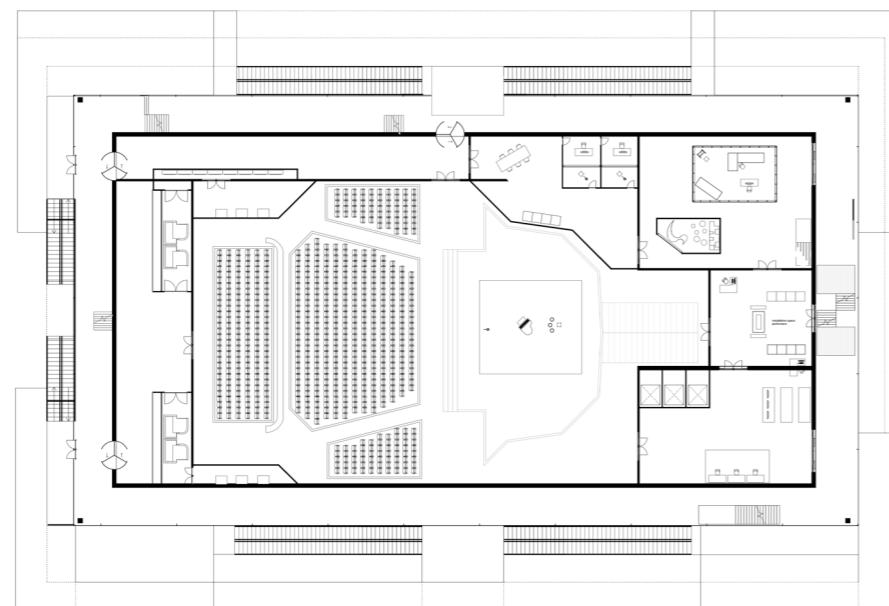
---



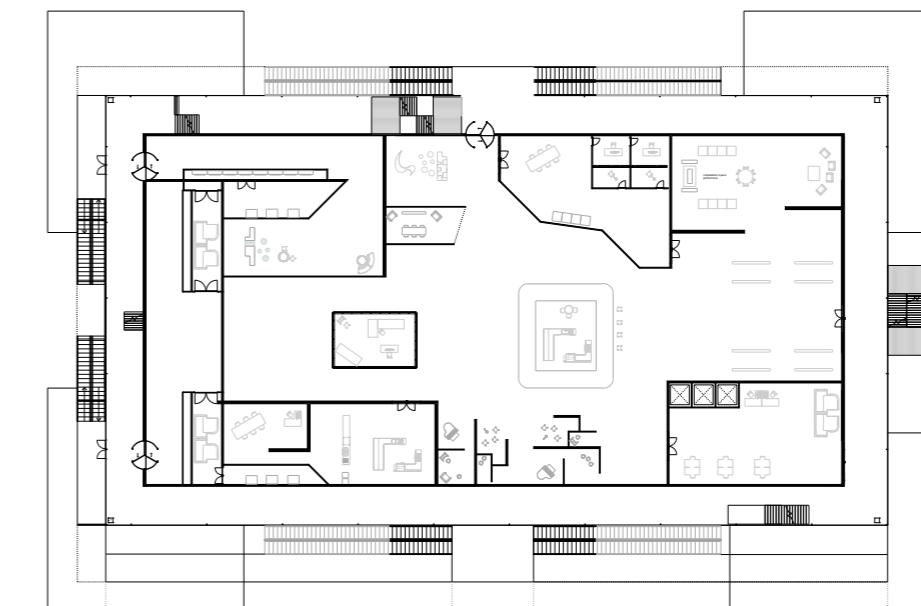
# PROTOTYPE FLOORPLAN

---

2022



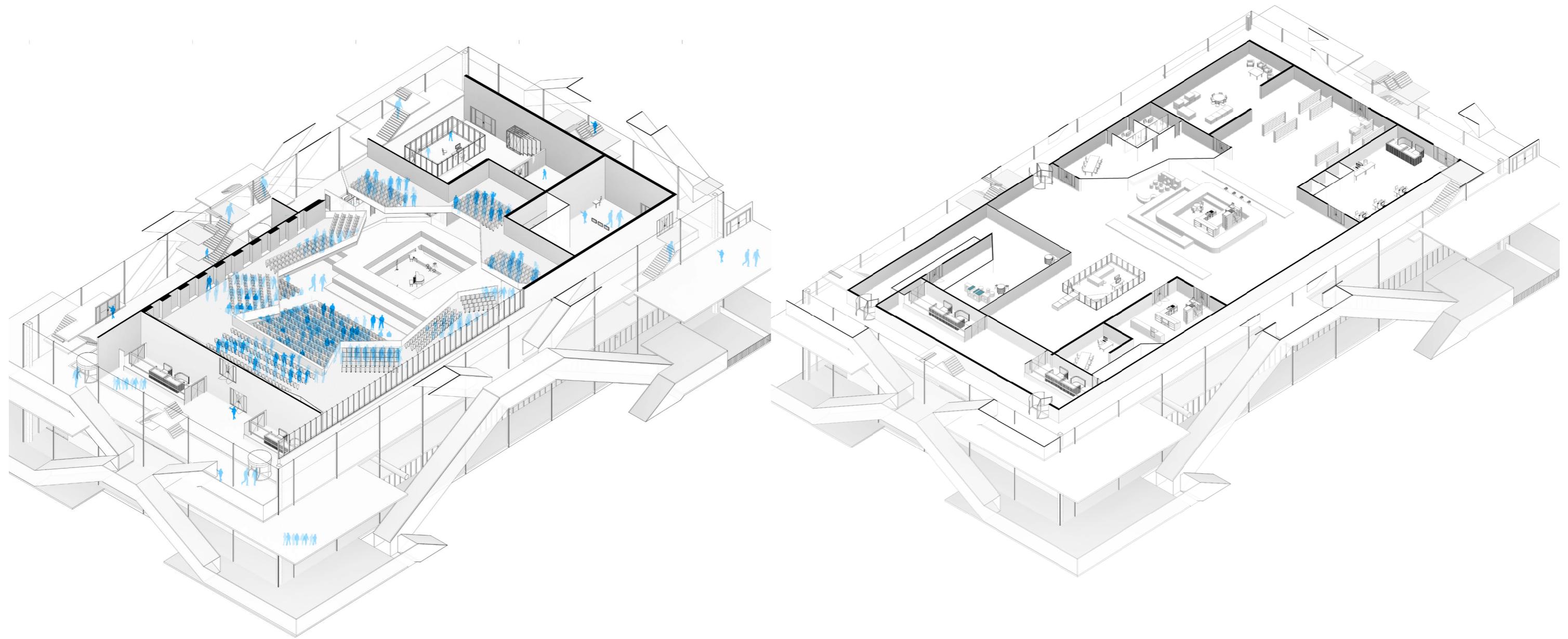
2062



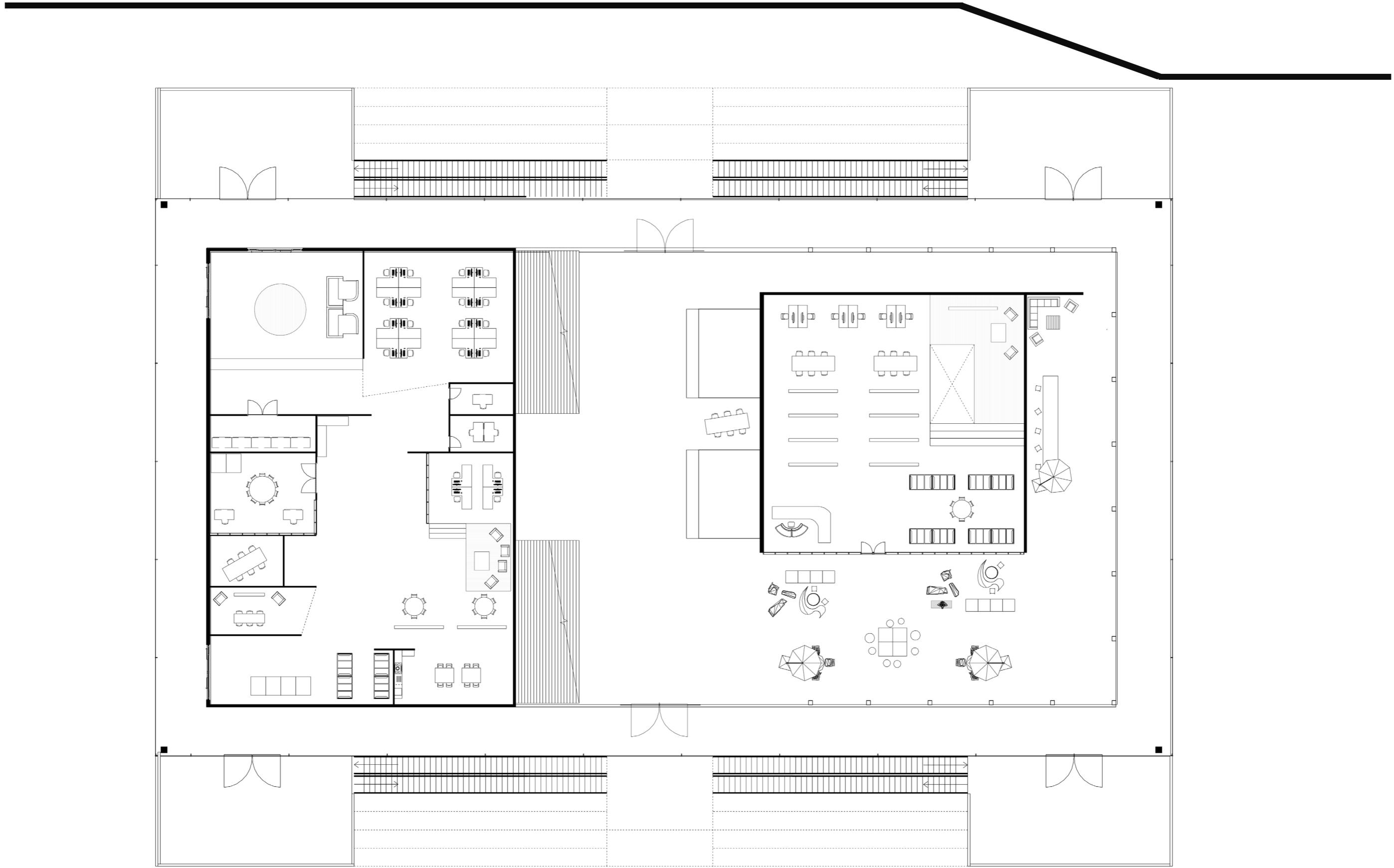
# PROTOTYPE AXONOMETRIC

2022

2062



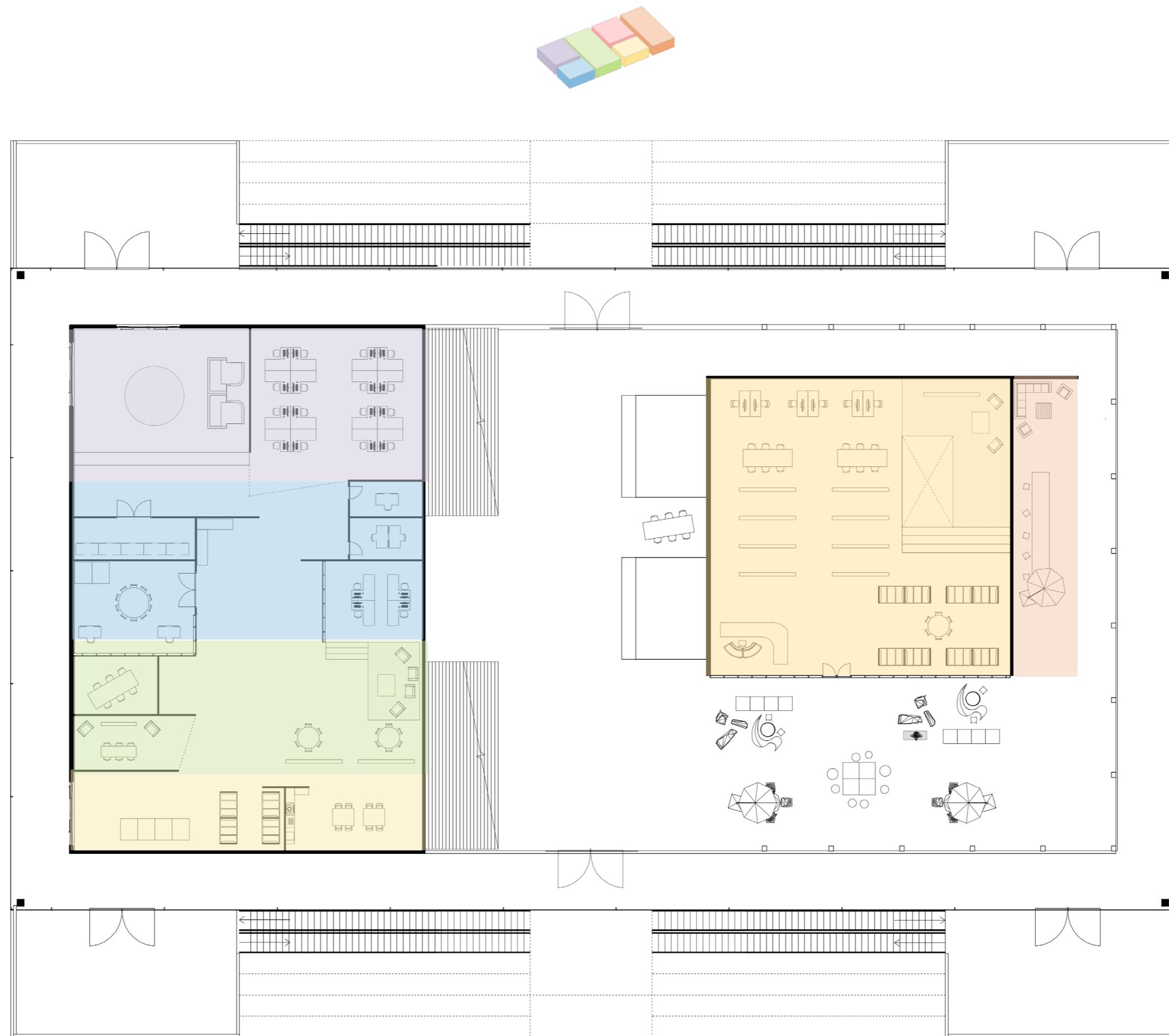
# FOURTH FLOORPLAN [SILENCE]



# FOURTH FLOORPLAN [SILENCE]



# FOURTH FLOORPLAN [SILENCE]



# FOURTH FLOORPLAN [SILENCE]



# FOURTH FLOORPLAN [SILENCE]

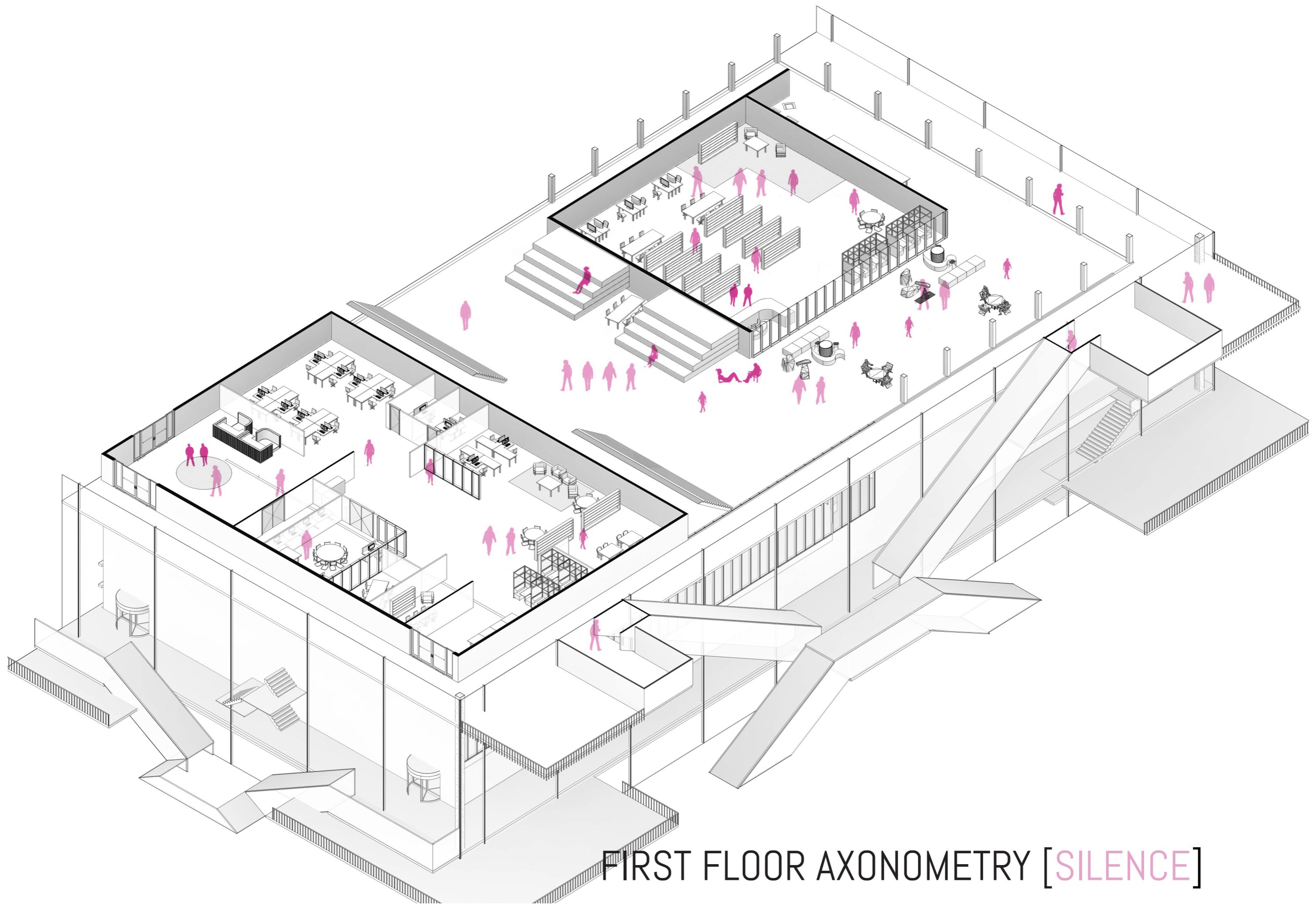


# FOURTH FLOORPLAN [SILENCE]

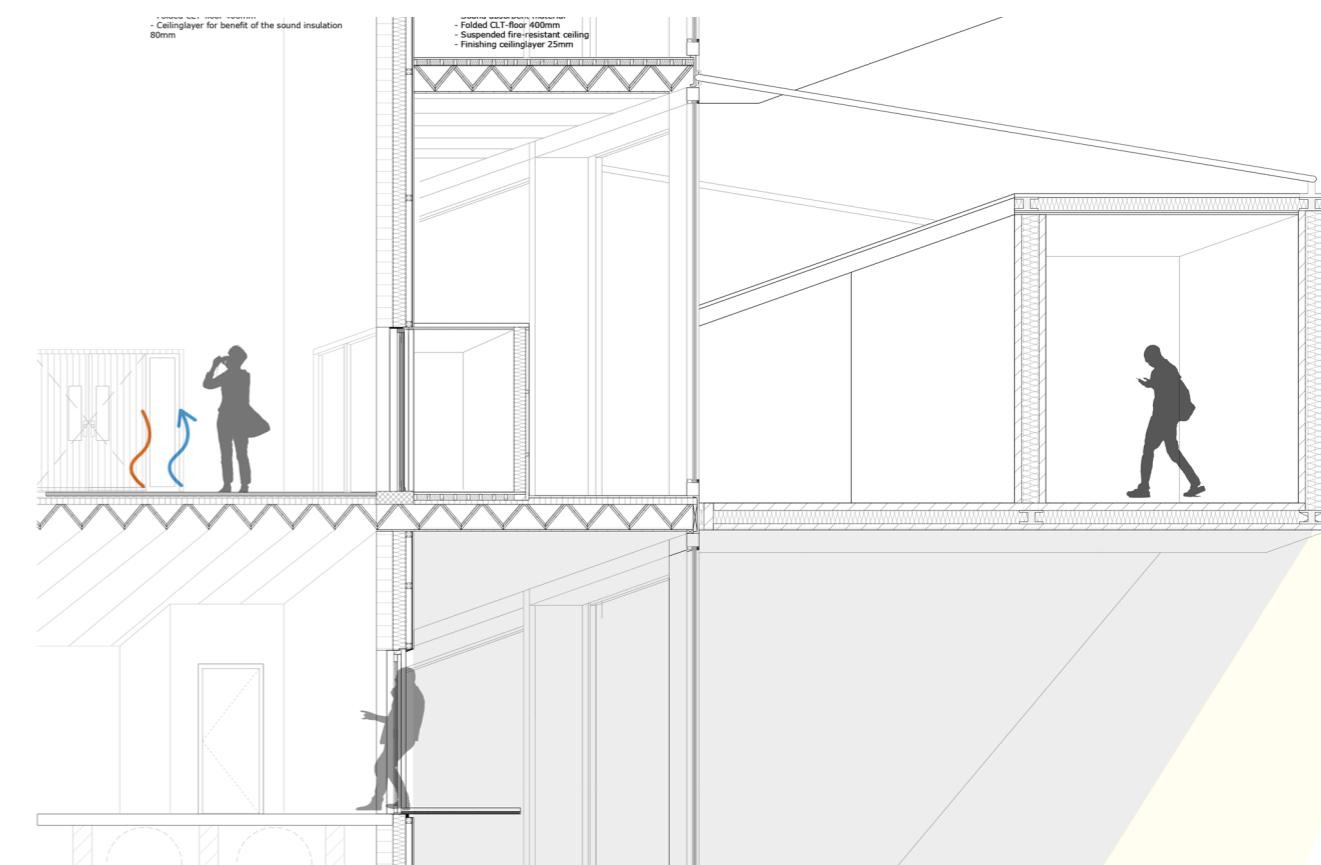
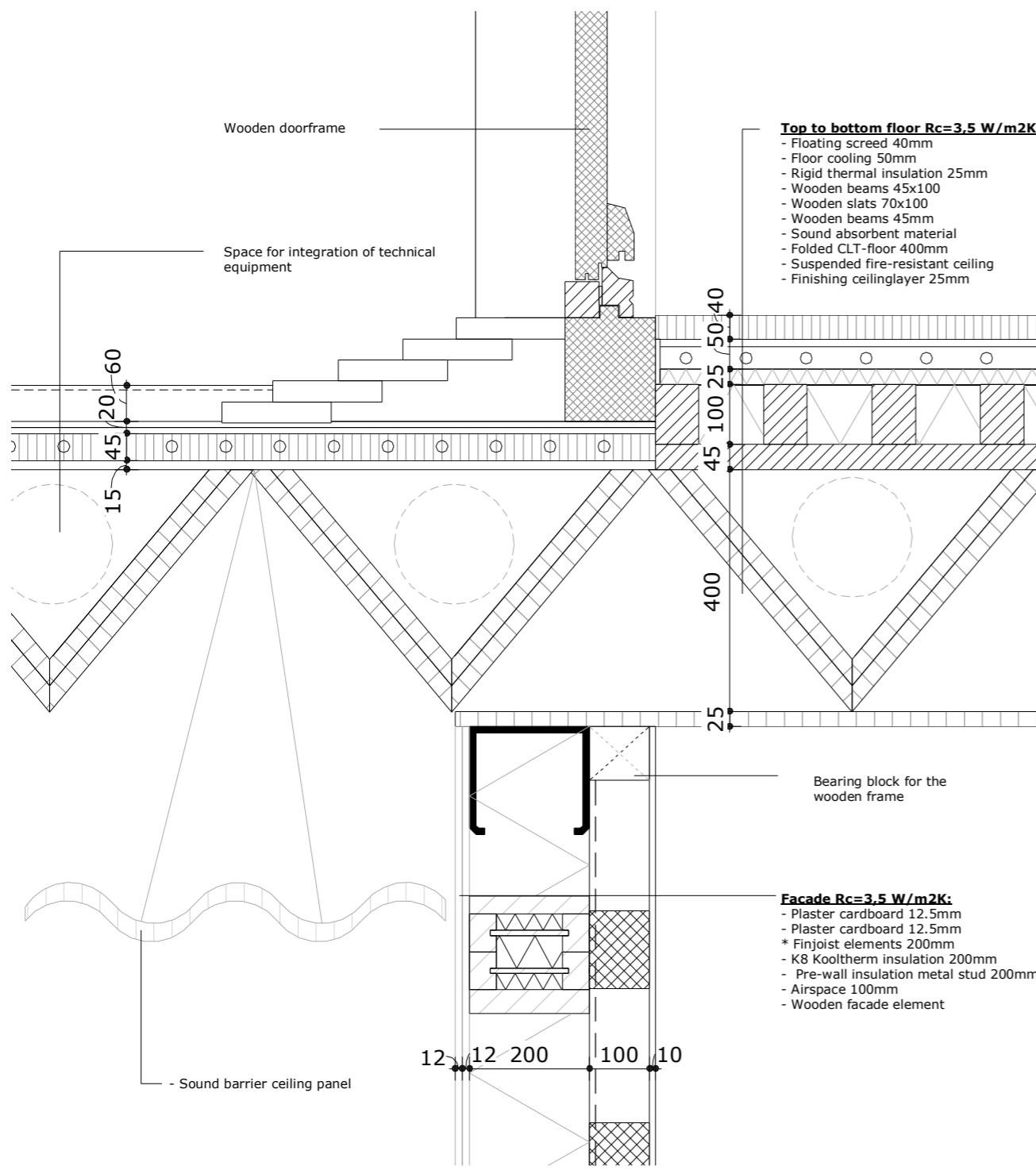


# FOURTH FLOORPLAN [SILENCE]





# 1:5 ASSEMBLING OF DOUBLE FACADE



# ESCALATOR EXPERIENCE



# ESCALATOR EXPERIENCE

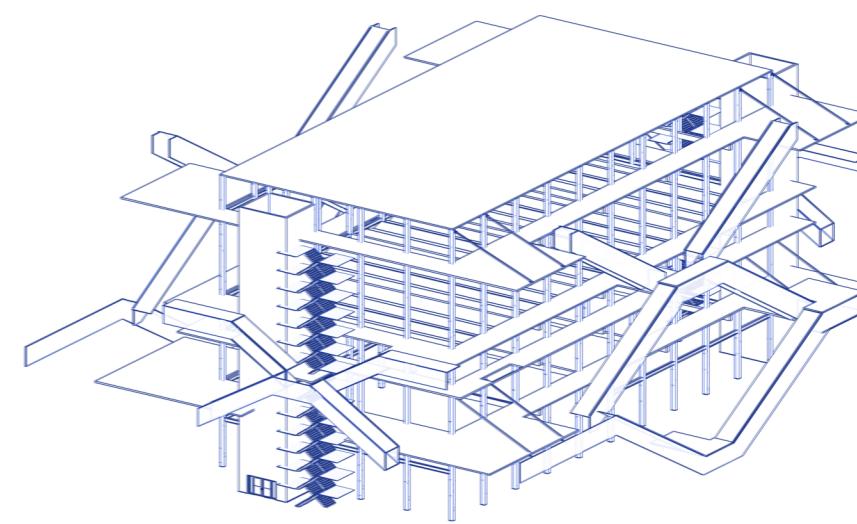
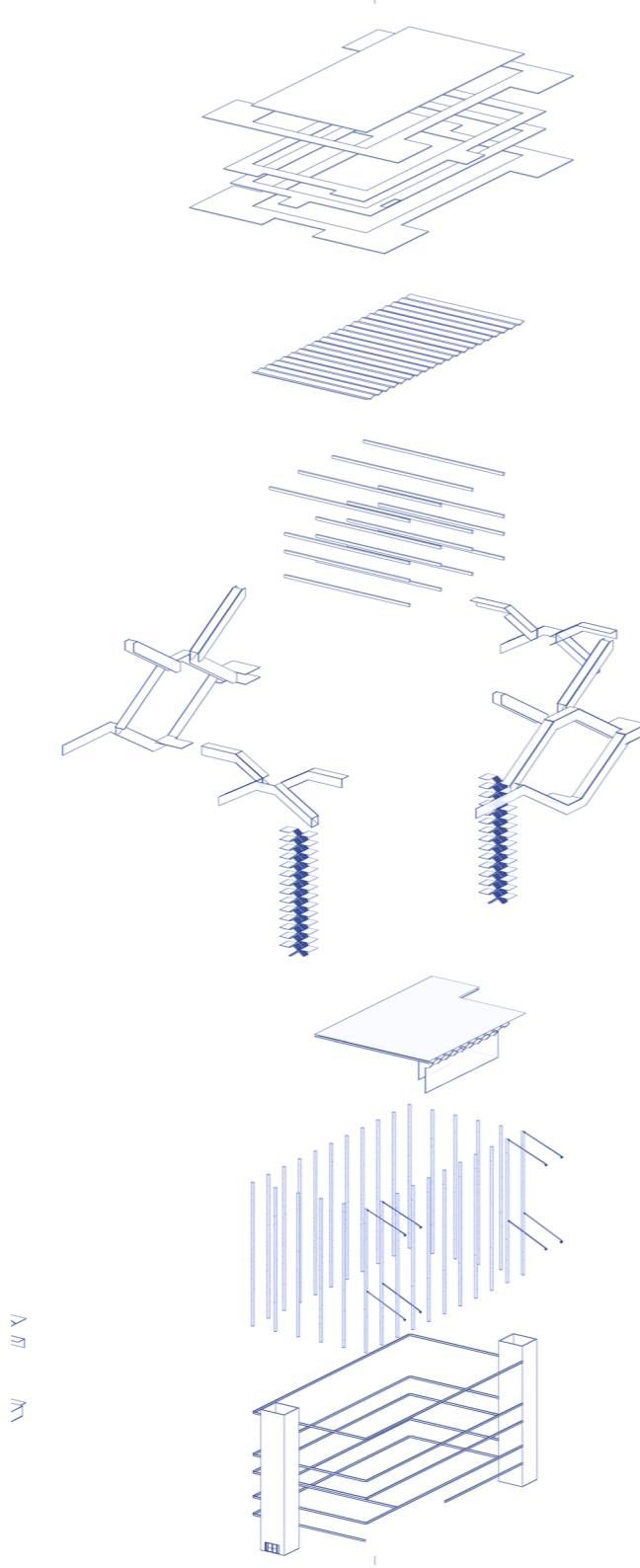


**TECHNICAL ASPECTS FOR THE BUILDING**

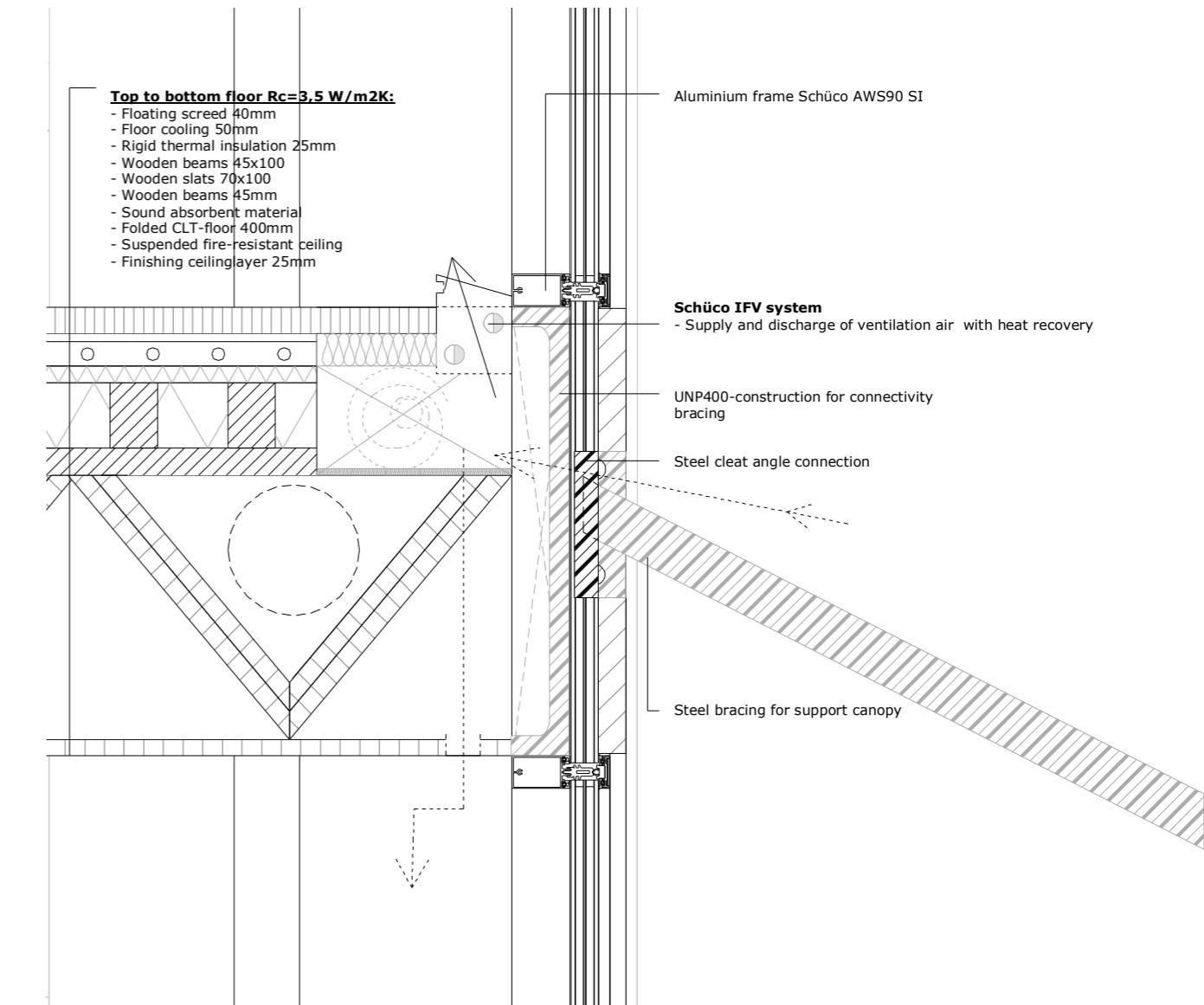
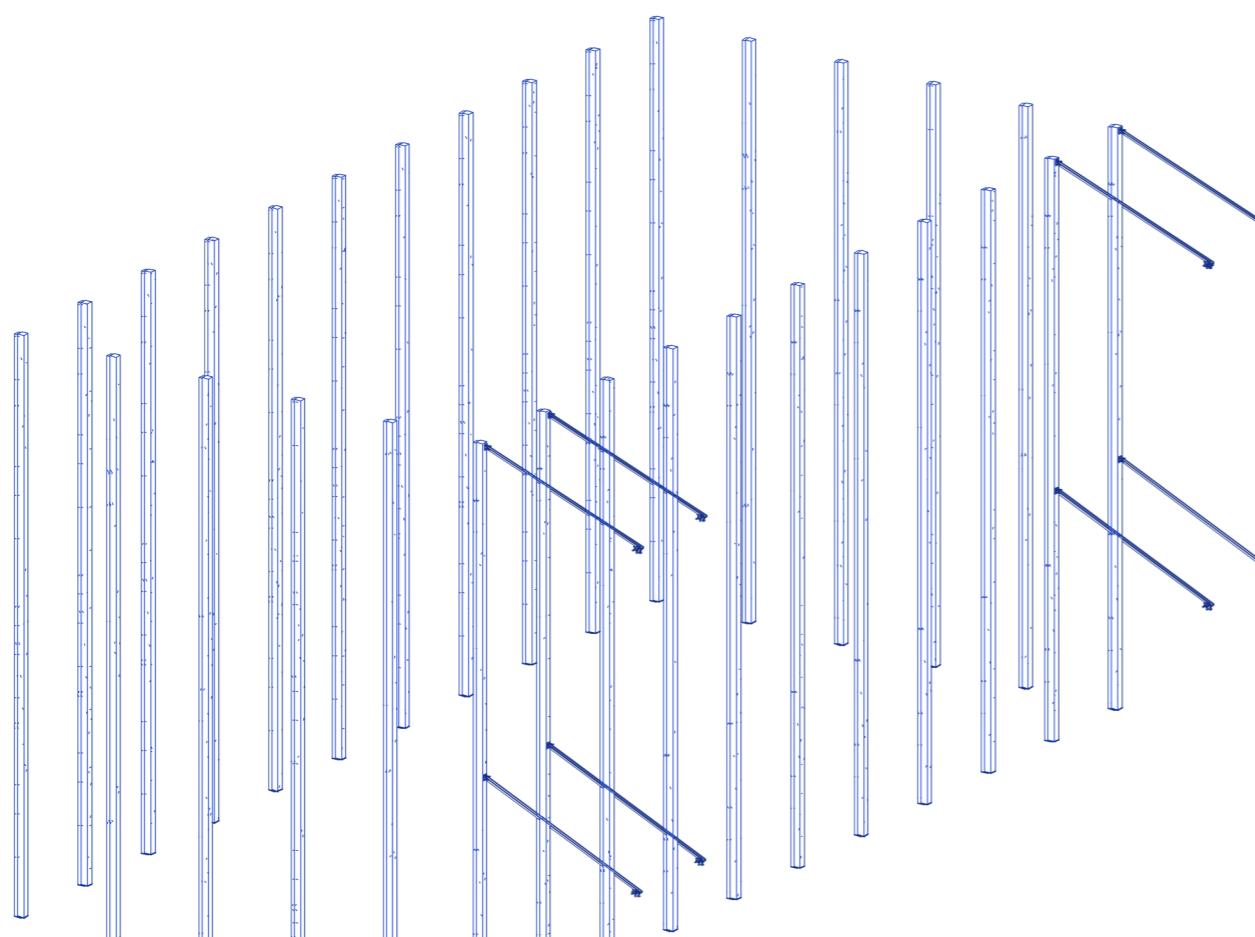
THE BENEFITS OF THIS CONCEPT

# CONSTRUCTION AXONOMETRY

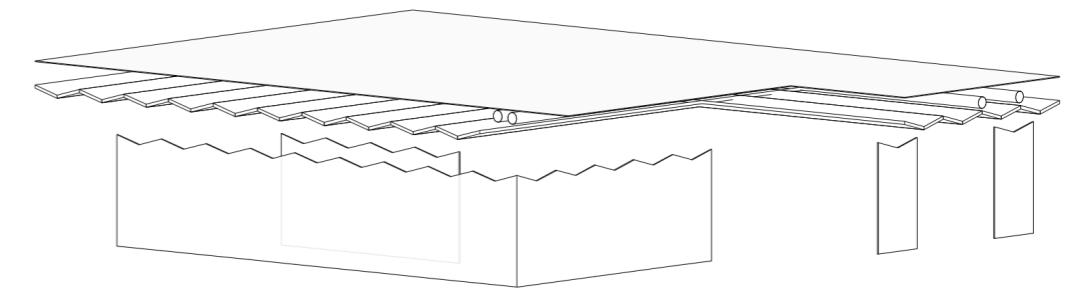
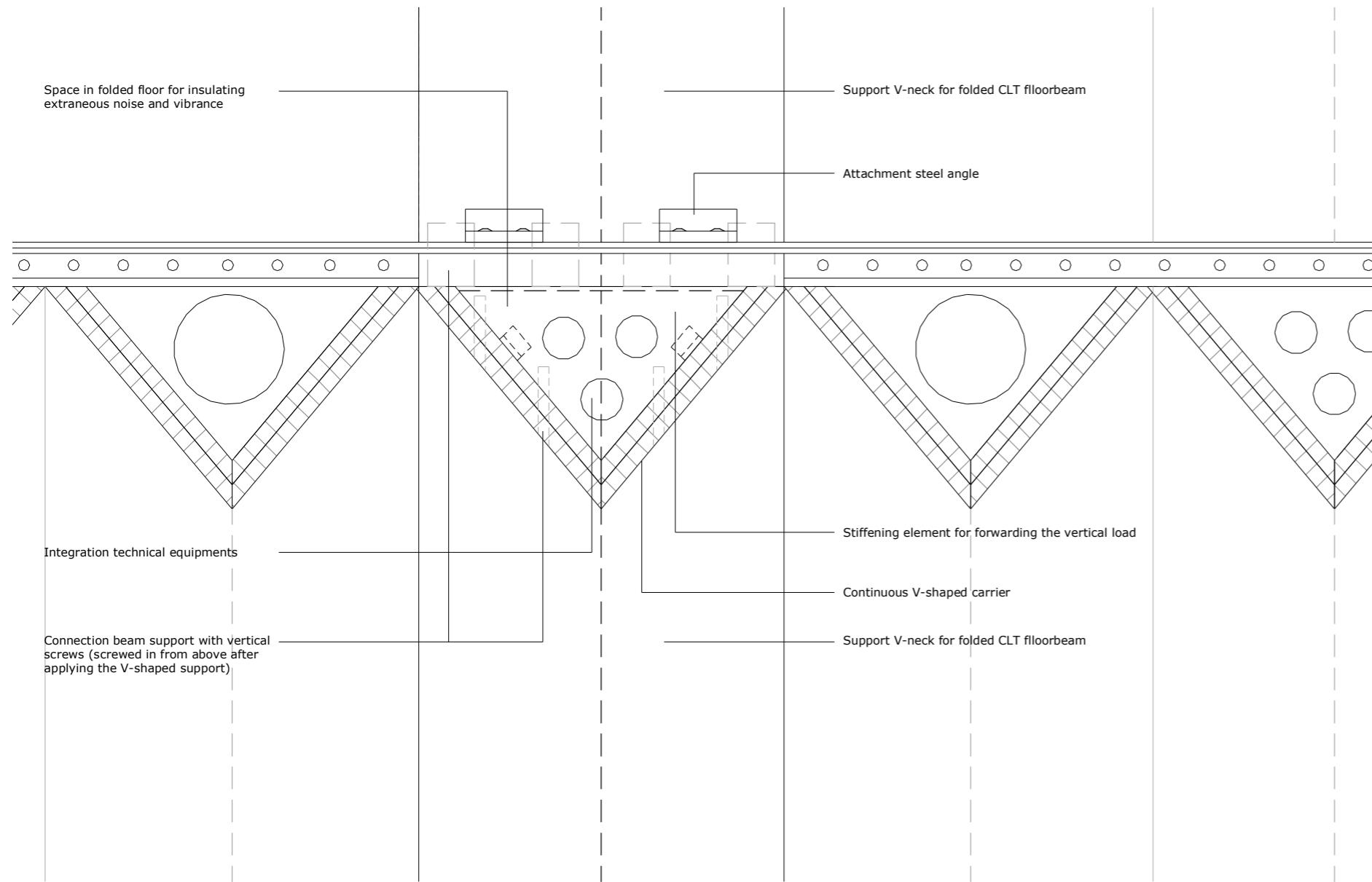
---



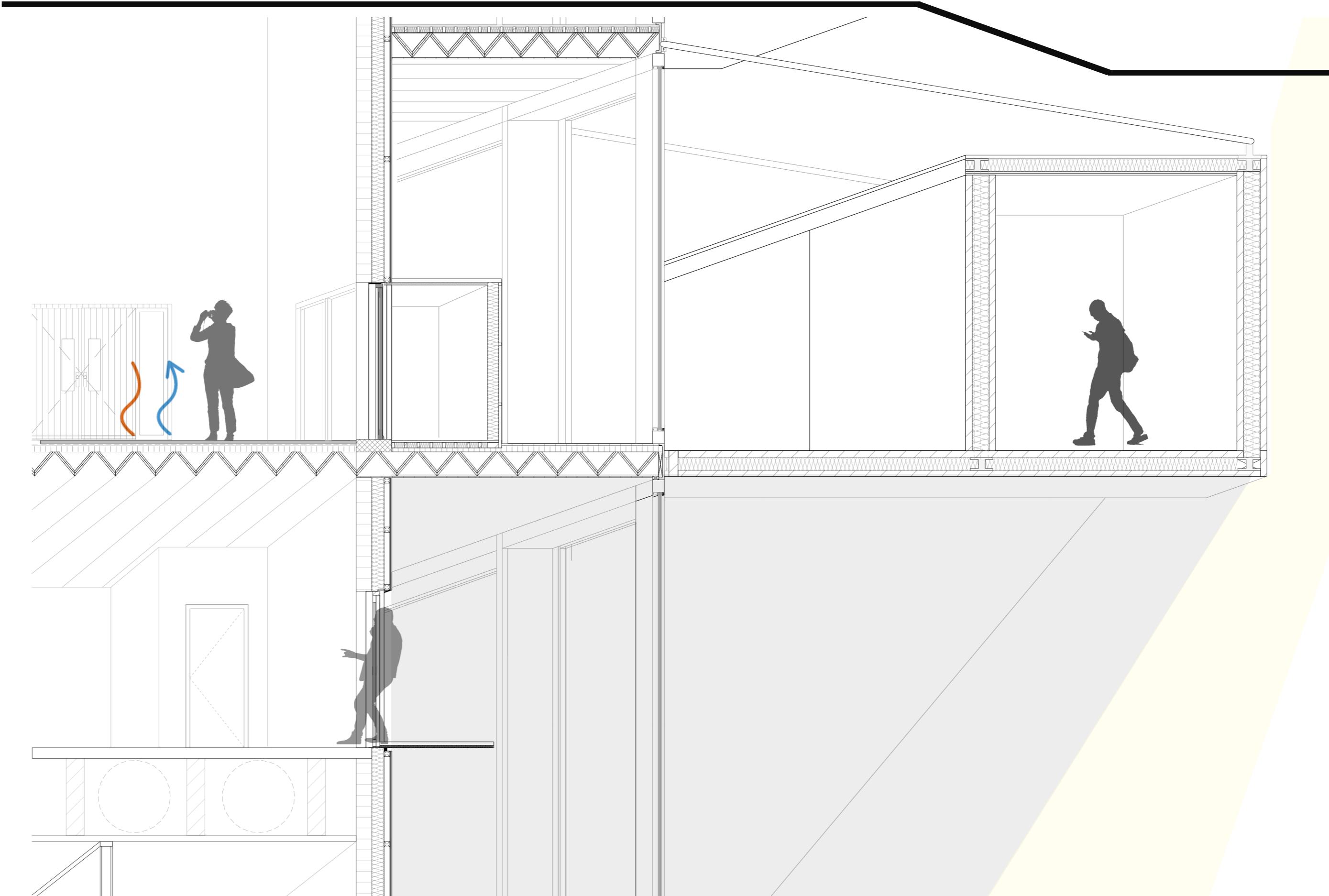
# ASSEMBLING CANTILEVERS



# CLT FOLDED FLOORS

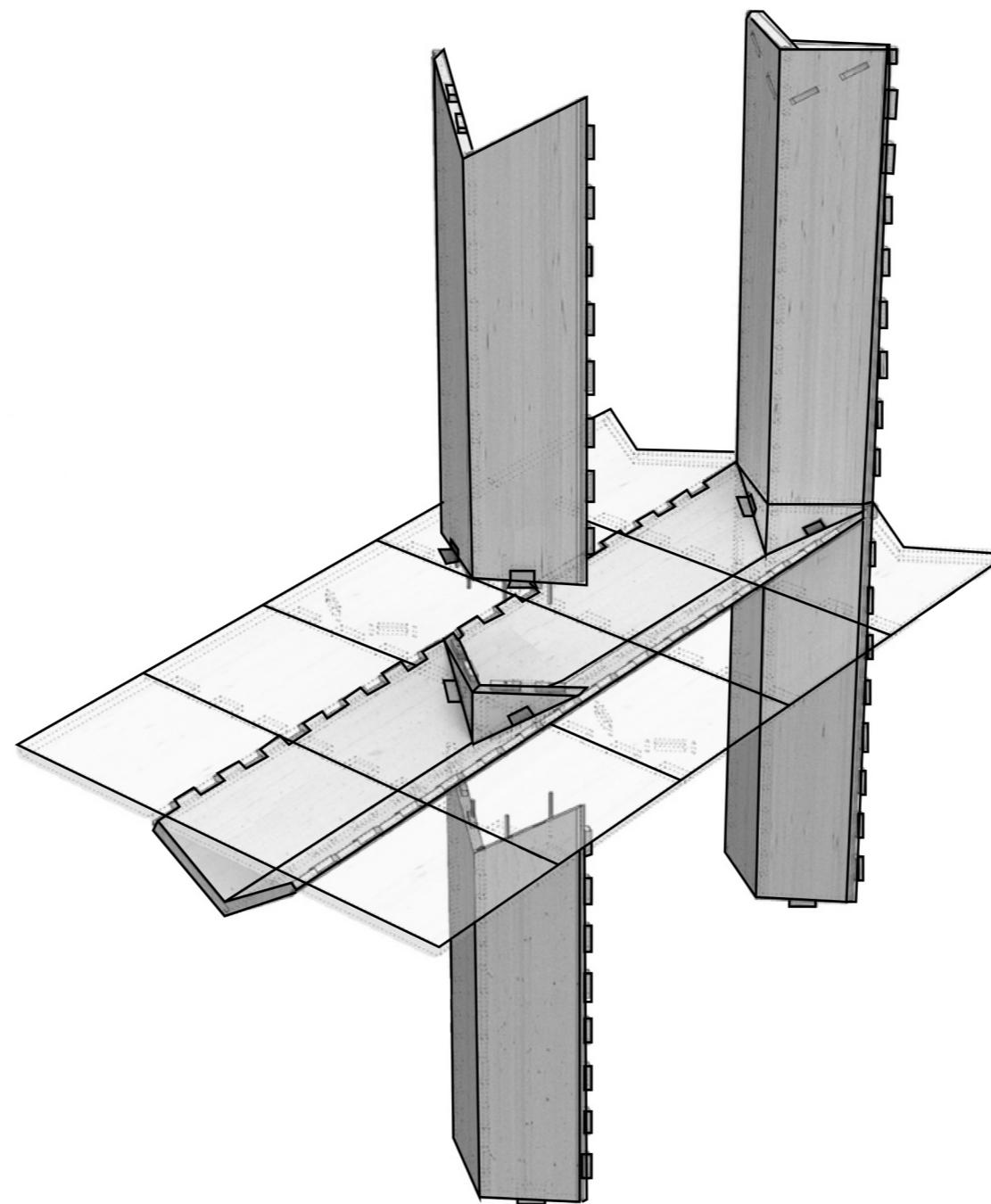


# 1:50 FRAGMENT APPROACH FLOORS



# EXPERIENCE CLT FOLDED FLOORS

---

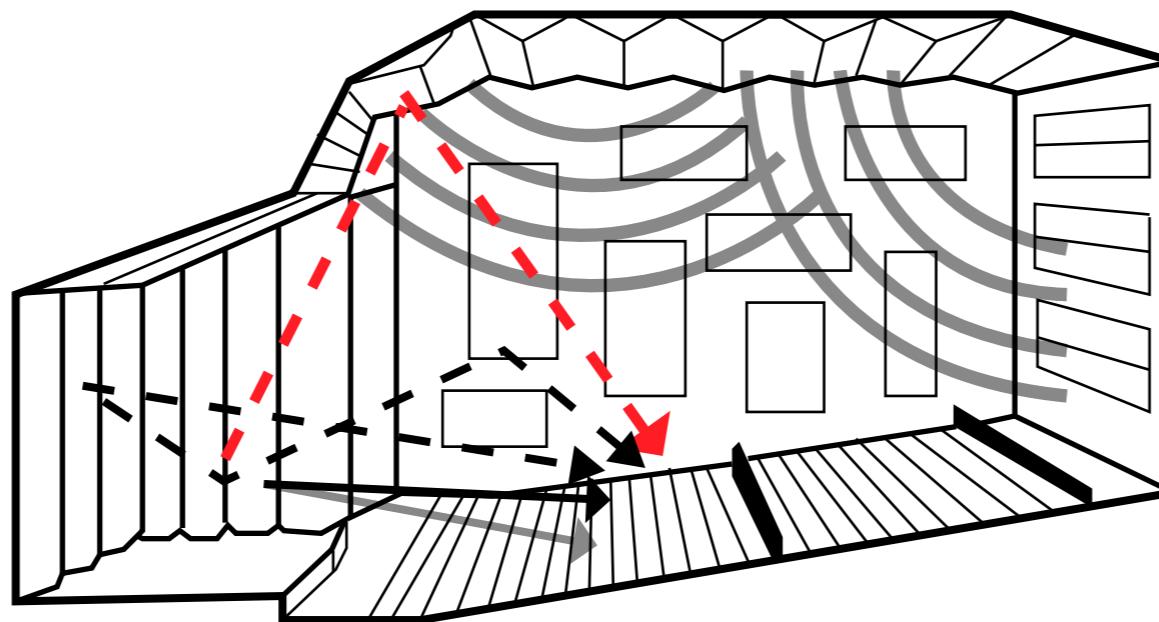


## EXPERIENCE CLT FOLDED FLOORS



# BENEFITS FOR ACOUSTICS

---



— DIRECT SOUND (0 TO 25 MSEC)

- - - - - EARLY REFLECTIONS (25 TO 100 MSEC)

- - - - - EARLY REFLECTIONS (25 TO 100 MSEC)

— REVERBERATION (>100 MSEC)

## BENEFITS FOR ACOUSTICS

---

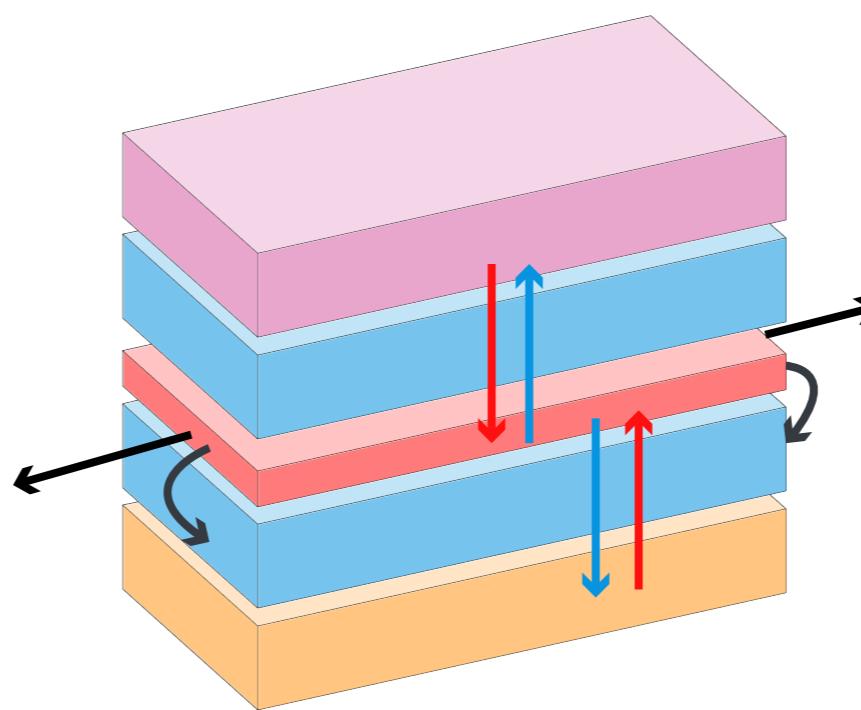


## **SUSTAINABLE ASPECTS FOR THE BUILDING**

THE BENEFITS OF THIS CONCEPT

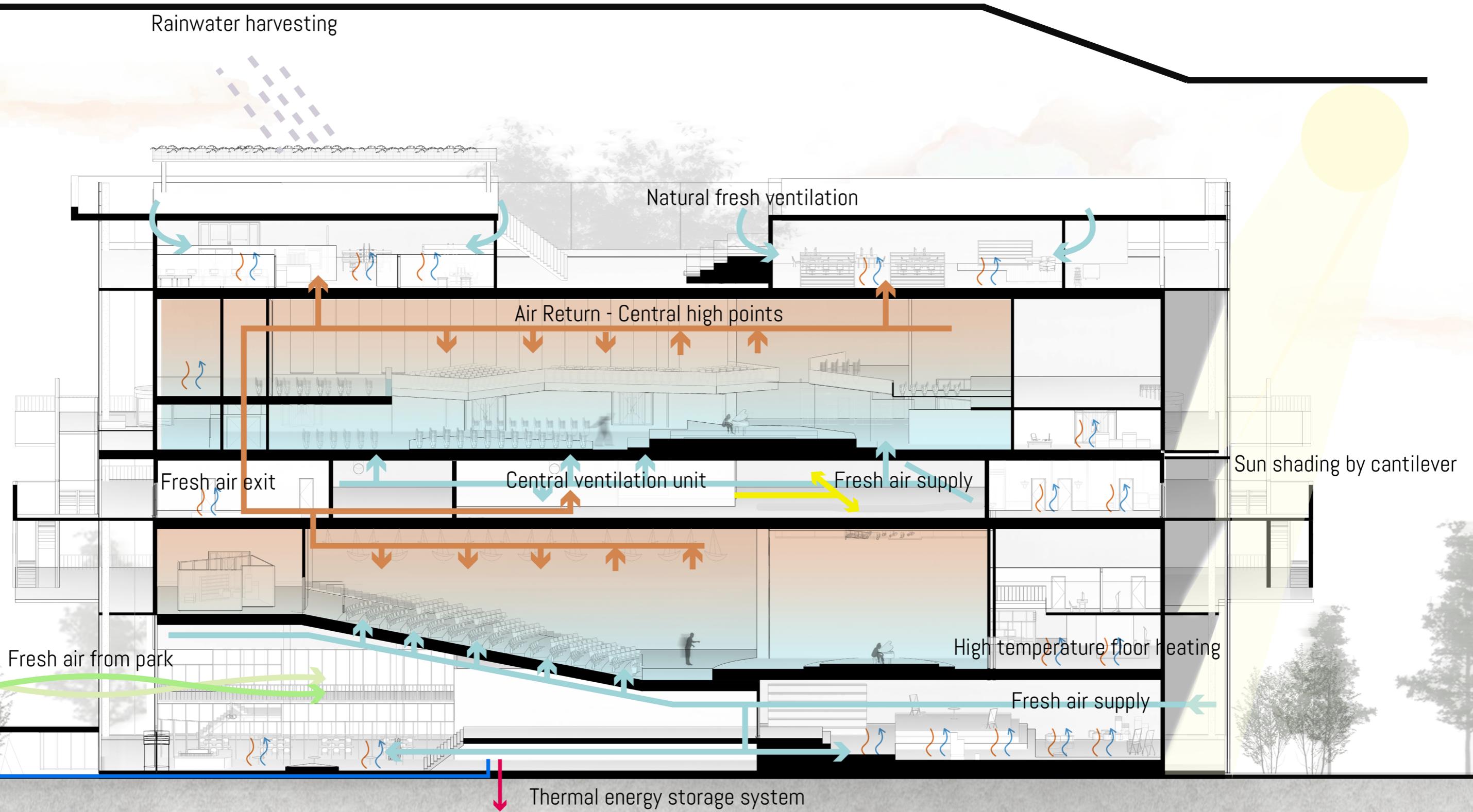
# CLIMATE SECTION

---

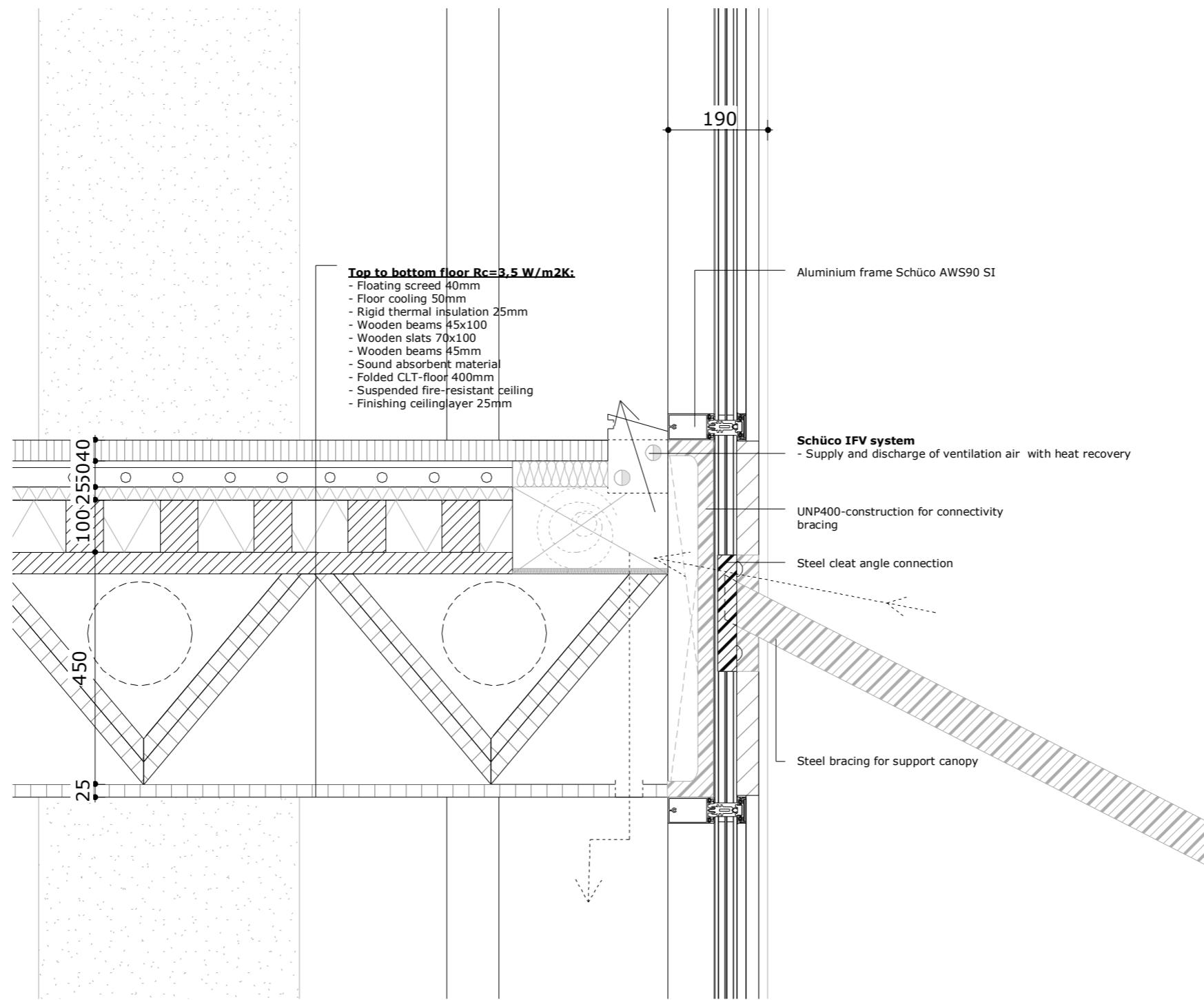


INSTALLATION BETWEEN LAYERS INSTEAD OF ON TOP

# CLIMATE SECTION



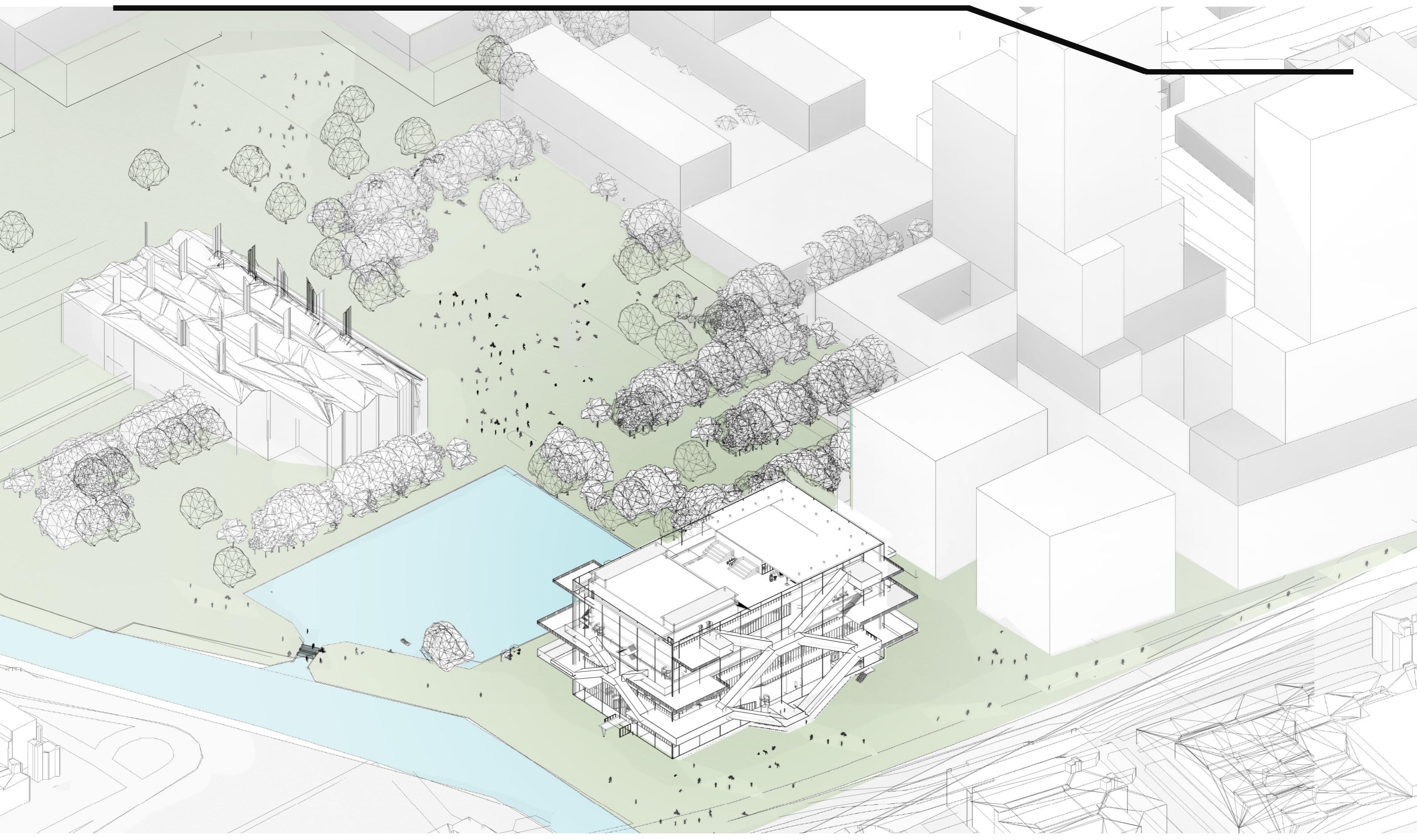
# CLIMATE SECTION



## URBAN DESIGN – NEW SITUATION



# BIRD EYE VIEW



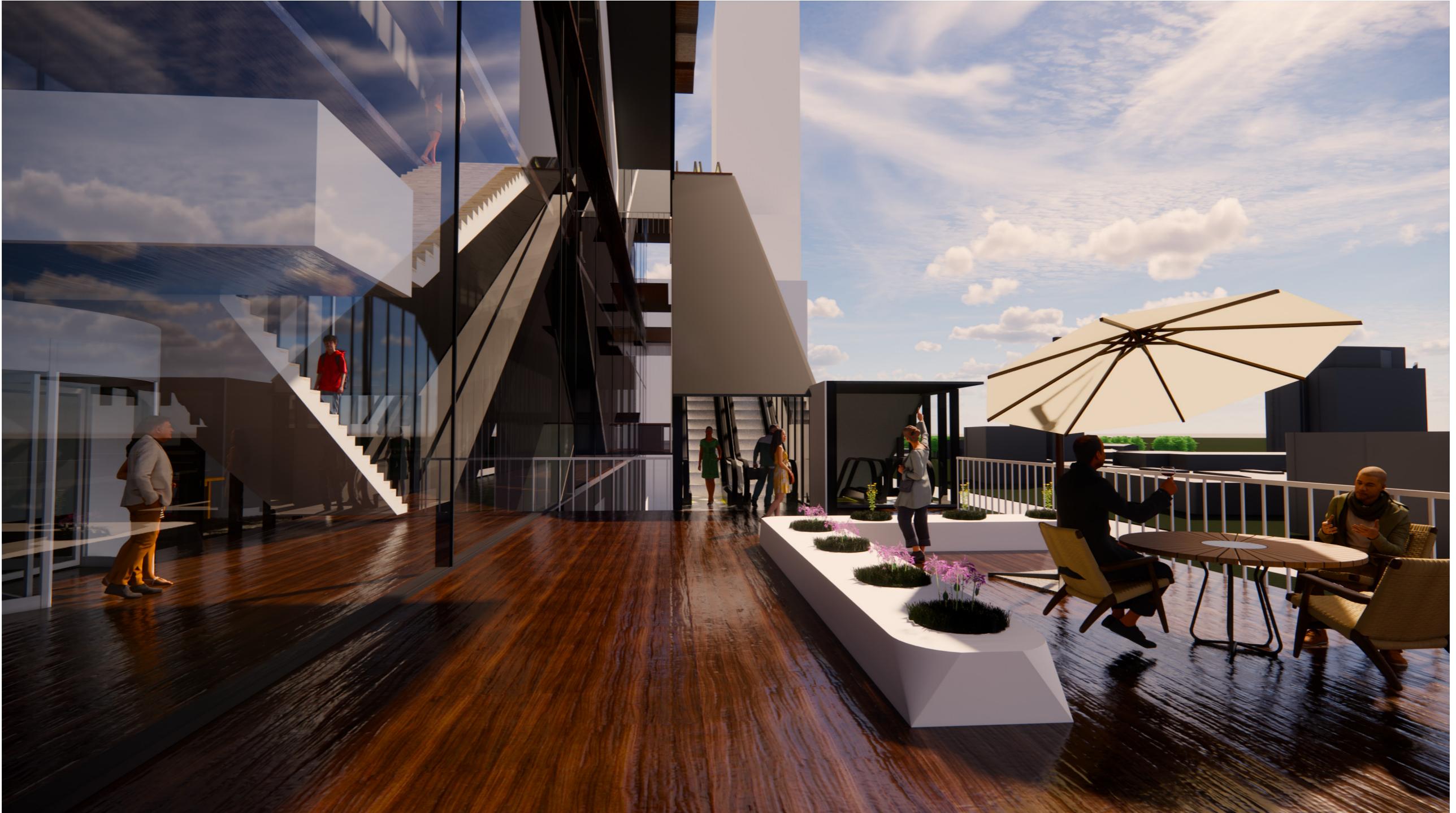
# CONNECTION FRAMED IN SILENCE

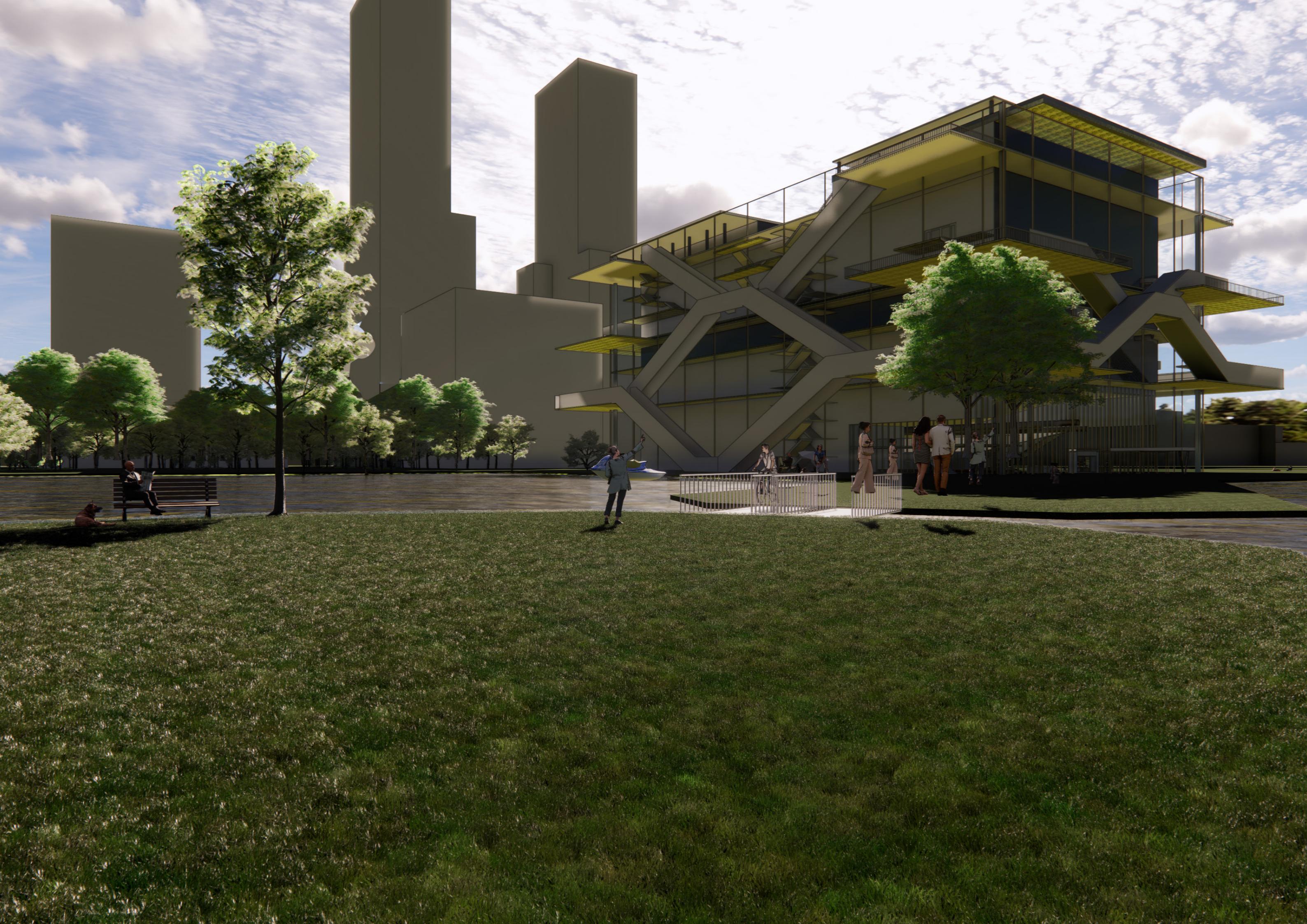


# DIRECT CONNECTION WITH PARK



# CONNECTION WITH BINCKHORST IN 'SPACE BETWEEN'





# REFLECTION

---



**HAKKICAN  
ÜNSÜR**

---

**Public Building Graduation Studio | 2021-2022 MUSIC MARVEL**

---

People's perceptions change over the years. People's needs and interests are also changing.

As designers, we have to be flexible in thinking and design to adapt to the wishes and standards of the current eras, we have to evaluate ourselves in an innovative sense. This in turn is reflected in spaces where people come together and do activities in company, or rather: 'public buildings'.

I find it interesting how we as designers, through architecture, adapt to today's society with regard to public spaces on different scales. In addition, I am looking forward to looking at solutions to somewhat bring people together in extreme cases such as the COVID19. These kinds of extreme events can lead to certain perspectives that we as designers have never thought about. My vision is therefore: limitations lead to creativity.

THANK YOU!

---

ANY QUESTIONS?