

COMPLEX PROJECTS
ZWISCHENSPIEL

a co-creation space for art production and performance

Armance Coppoolse

P5



introduction

research

design brief

concept

implementation

development

conclusion

introduction

research

design brief

concept

implementation

development

conclusion





BERLIN



MULTIDISCIPLINARY ART

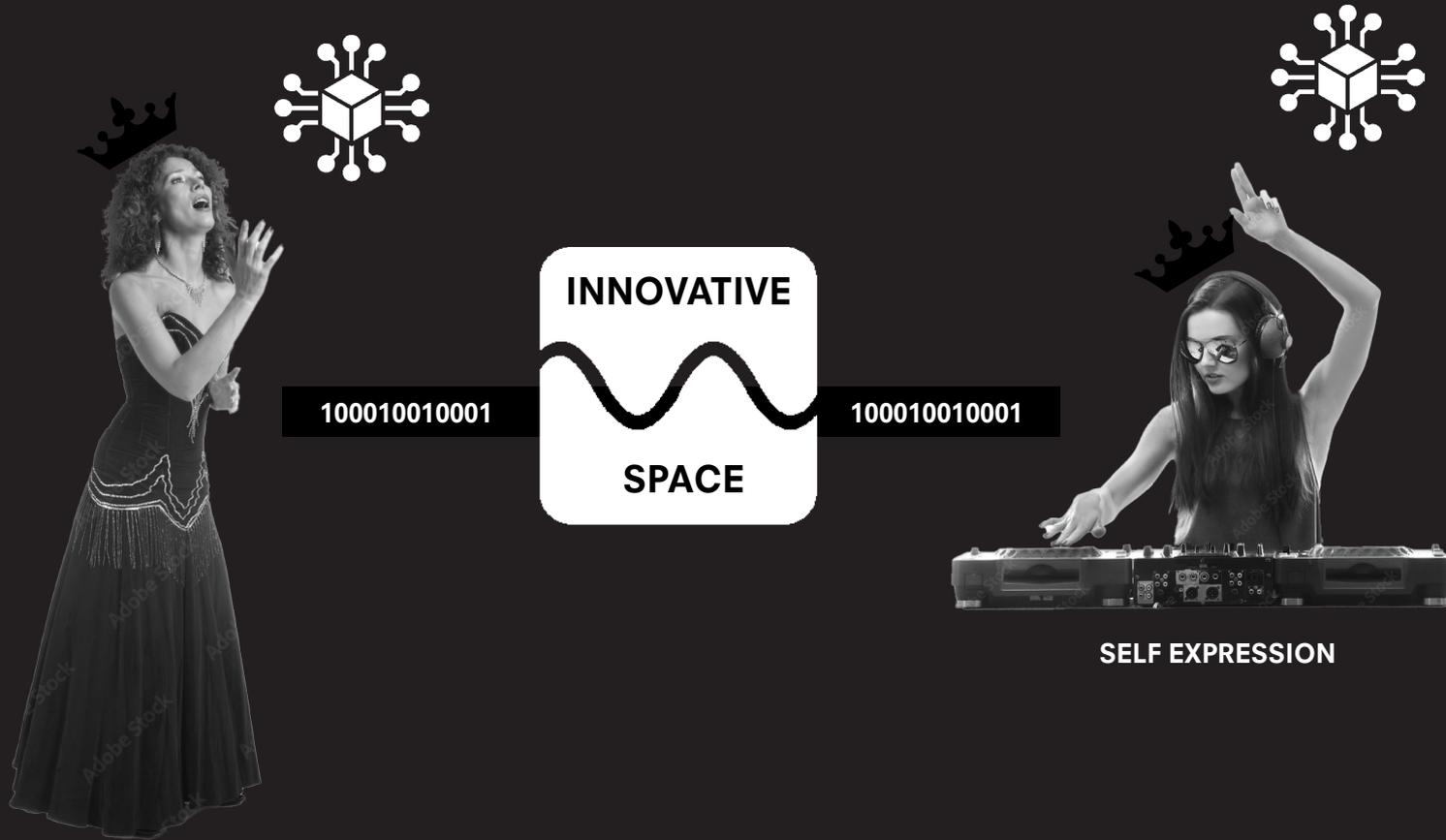


100010010001 **CO-CREATION** 100010010001



SELF EXPRESSION

BERLIN



MULTIDISCIPLINARY ART

ZWISCHENSPIEL

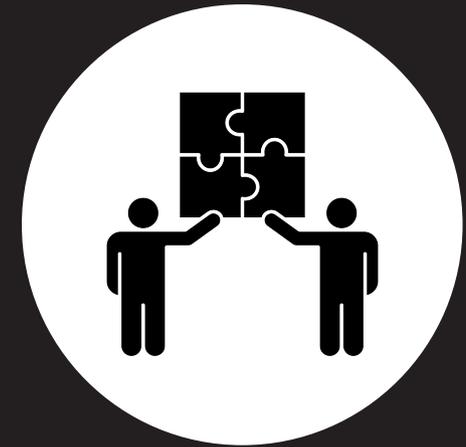
ZWISCHENSPIEL



EU & Berlin



Treptowerpark



Co-creation

introduction

research

design brief

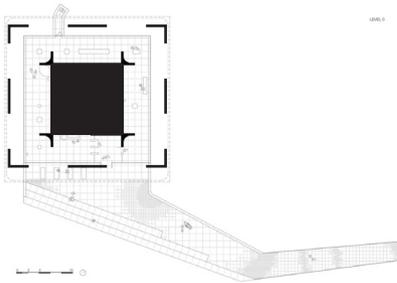
concept

implementation

development

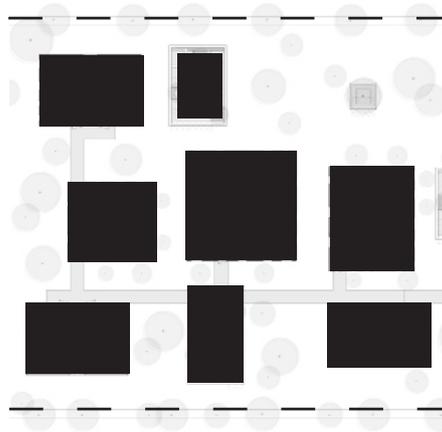
conclusion

SITE



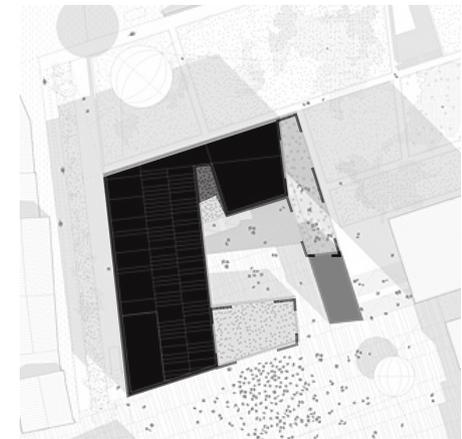
OPEN PLINT

American Cemetery Visitor
Center by Kaan architects



CANOPEE BINDING PAVILIONS

Viettel Academy Educational
Center by VTN Architects

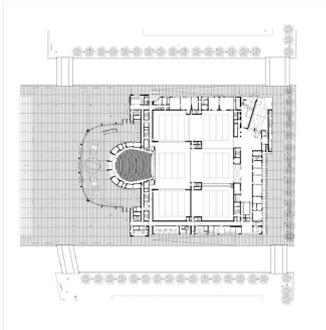


PUBLIC COURTYARD

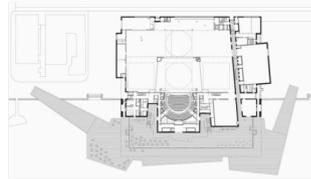
'Supernova' music school
proposal, competition entry
by Tomas Ghisellini

PROGRAM

Royal Danish Opera

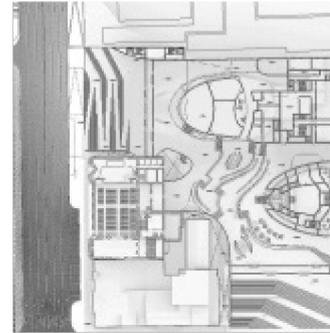


Royal Danish Playhouse

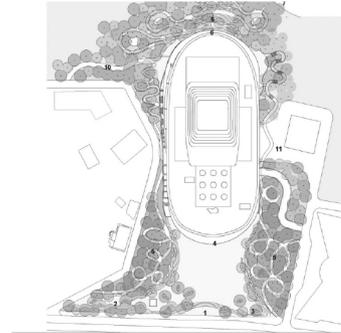


FRONT
AREA

Verlovsk Concert Hall



Tchaikovski Opera



TRANSPARENT
FACADE

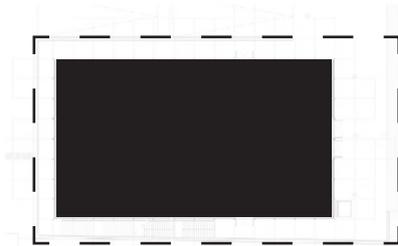


OPEN SPACE



CLIENT

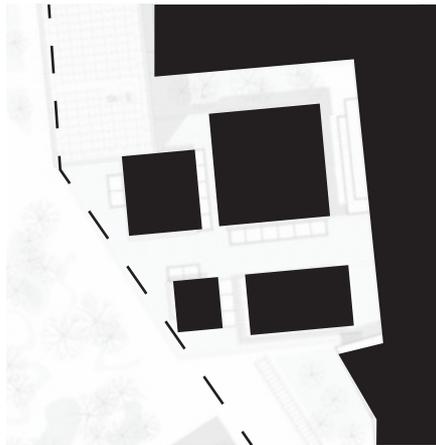
MULTIFUNCTIONAL OPEN PLINT



INNOVATION

Centro arti e scienze Golinelli,
by Mario Cucinella architects

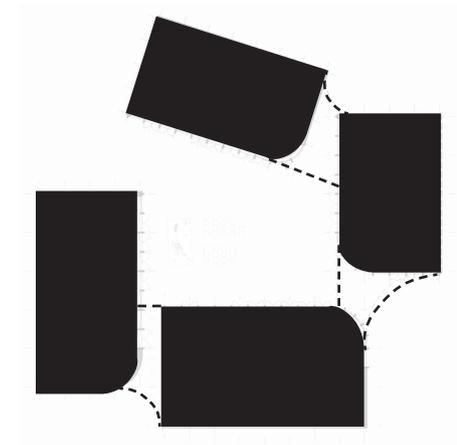
CONNECTING PUBLIC FOYER



EDUCATION

Education centre of the
University of Groningen,
by Kaan architects

COURTYARD & BLURRED BOUNDARIES

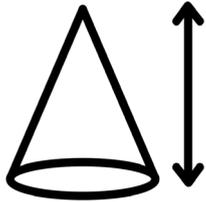


CO-CREATION

School of Culture and Music,
by Cove architectsa

BUILDING CRITERIA

ICONIC



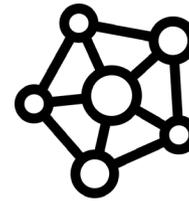
height & shape

INVITING



plint & open

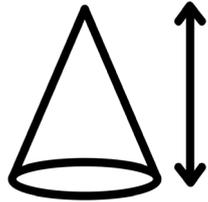
INNOVATION



links & nodes

DESIGN STRATEGIES

FRONT AREA



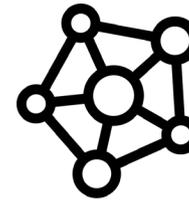
CANOPEE
BINDING VOLUMES

TRANSPARENT FACADE



OPEN
PLINT

CONNECTING PUBLIC SPACE



BLURRED BOUNDARIES

**How can Berlin offer an innovative space
for production & display of performing arts
which stimulates data-driven co-creation ?**

introduction

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design brief

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DECENTRALISE



DISPLAY



DECARBONISATION

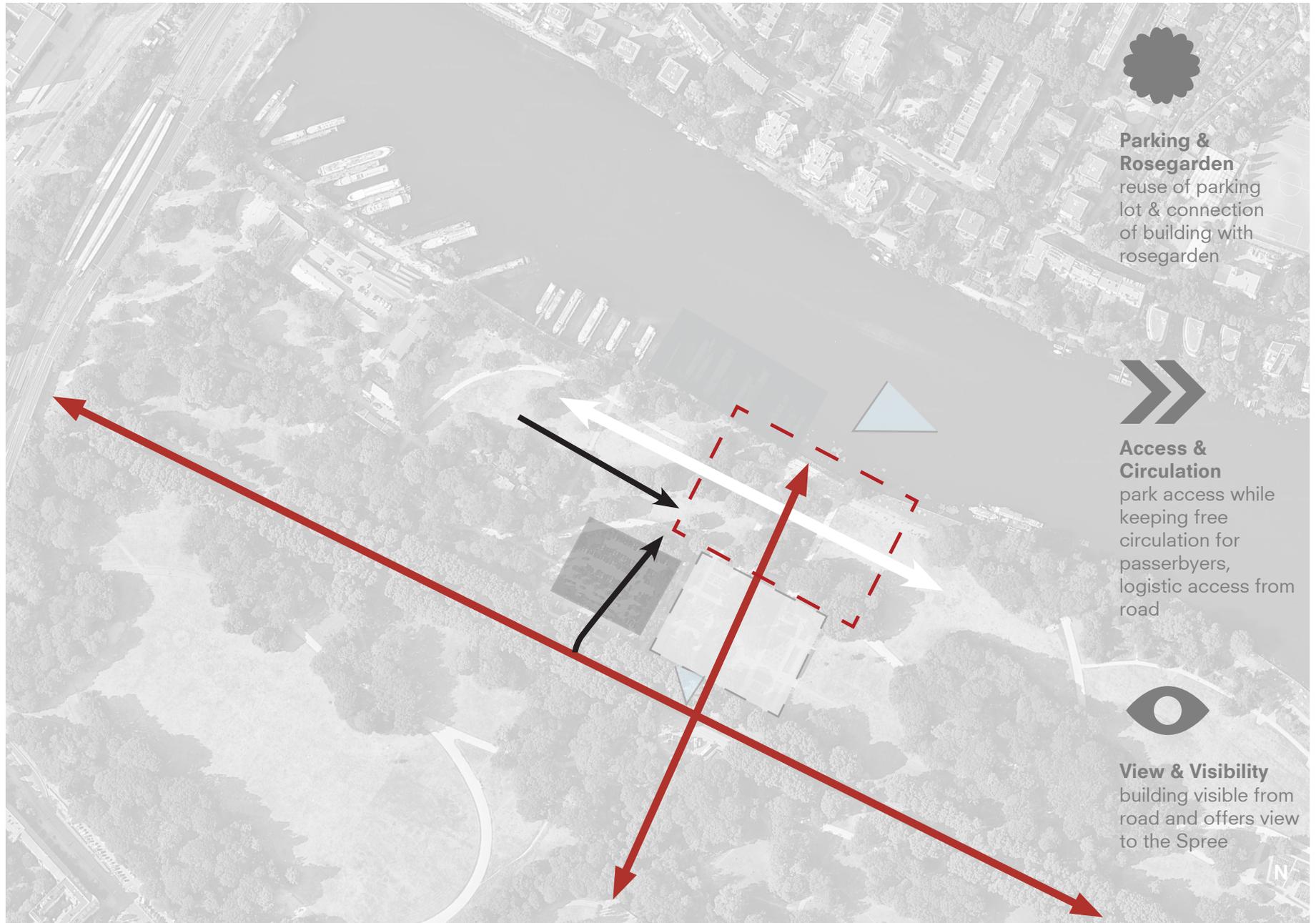


1:10'000

GROUP SITE PLAN



criteria
SITE



Parking & Rosegarden
reuse of parking lot & connection of building with rosegarden

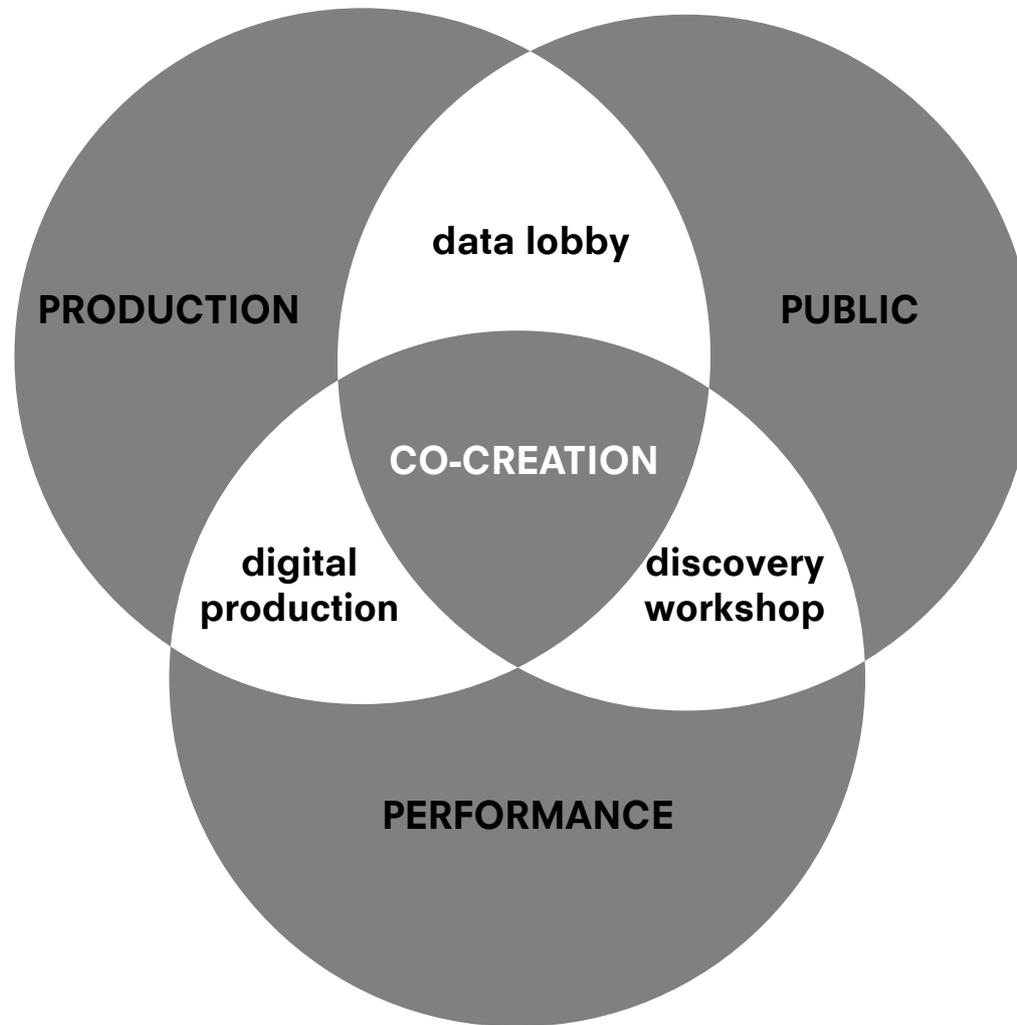


Access & Circulation
park access while keeping free circulation for passerbyers, logistic access from road



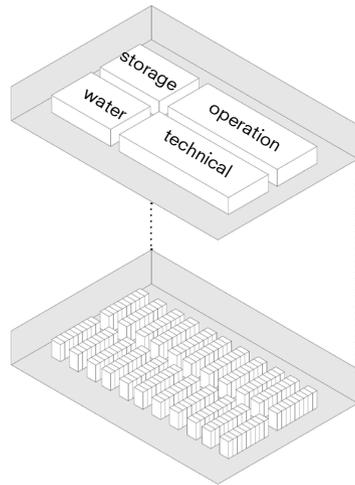
View & Visibility
building visible from road and offers view to the Spree

criteria
CLIENT

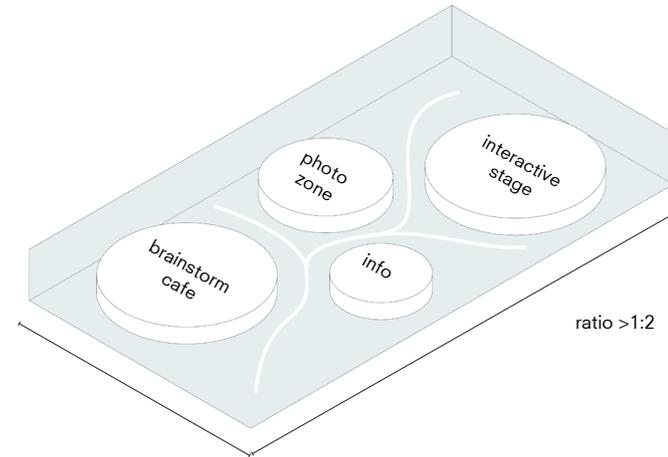


criteria
CLIENT

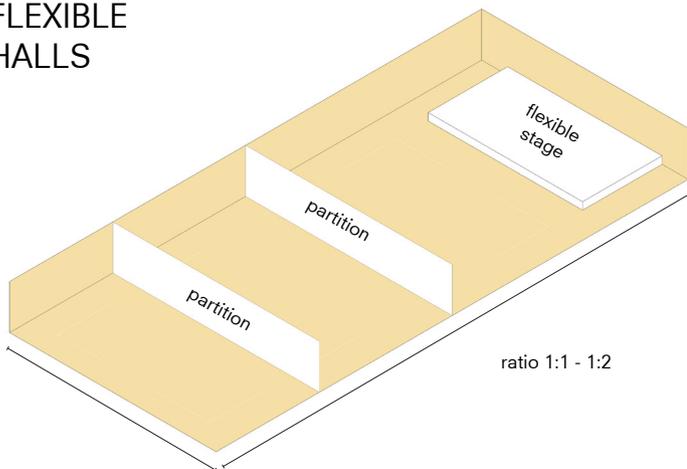
DATA
STORAGE



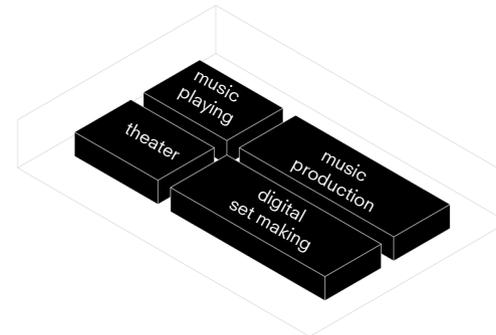
DATA
LOBBY



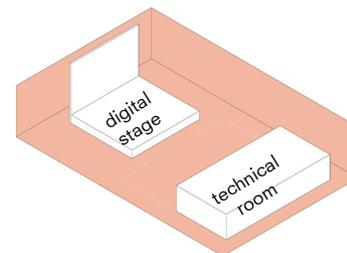
FLEXIBLE
HALLS



DIGITAL
WORKSHOP



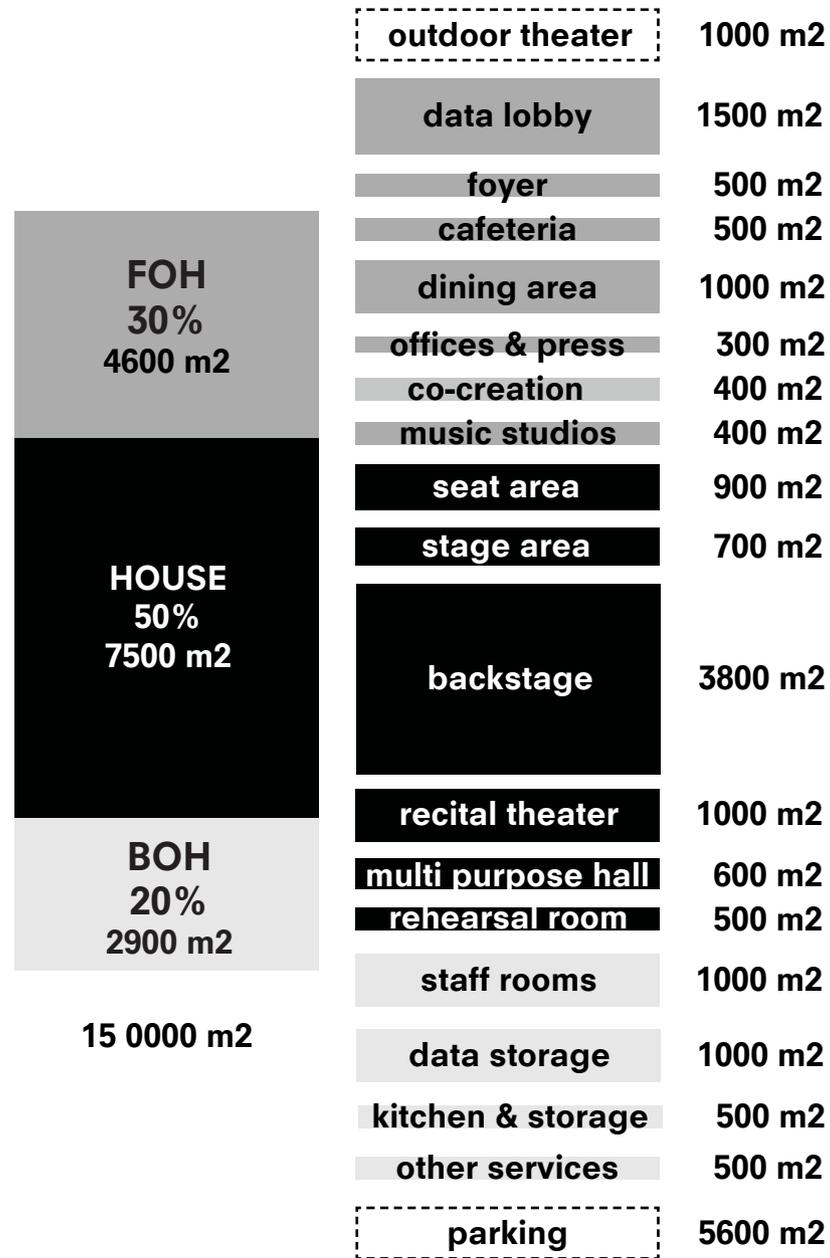
DIGITAL
PRODUCTION



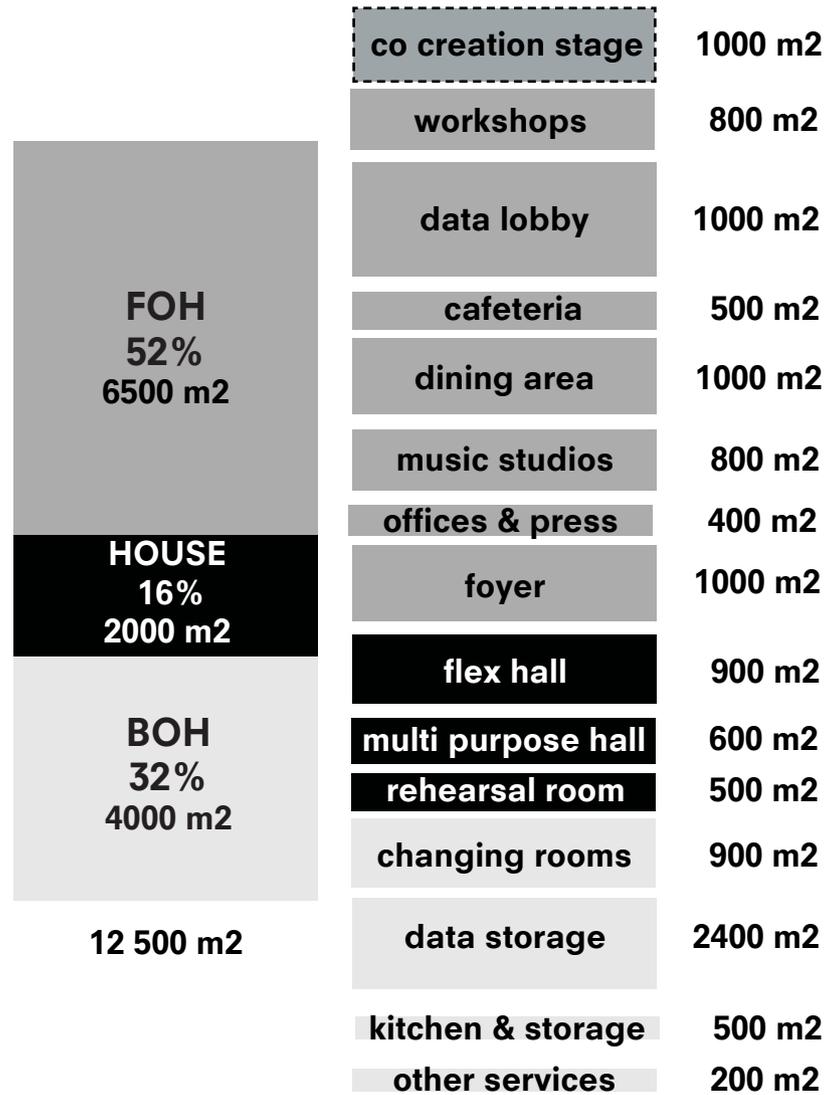
KEY SPACES

INNOVATIVE SPACES

BENCHMARKING PROGRAM



SPECIFIC PROGRAM



introduction

research

design brief

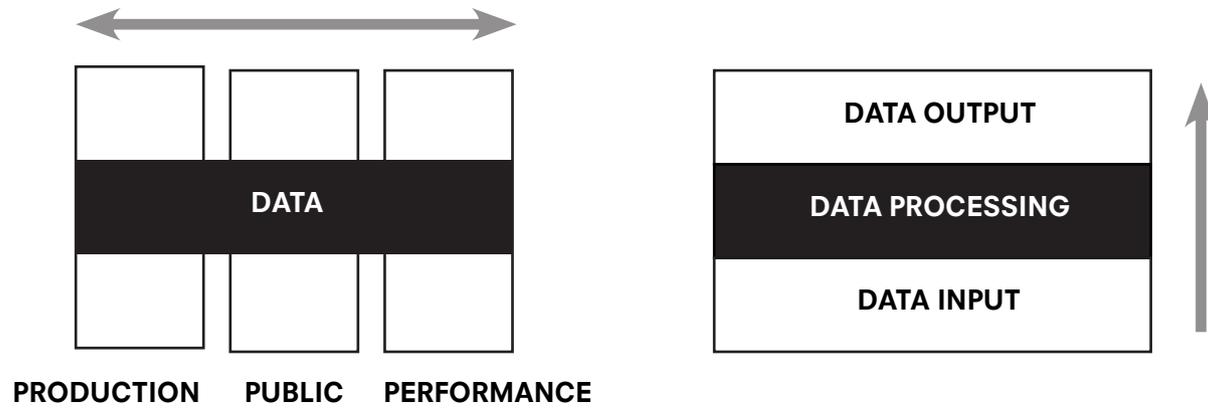
concept

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CO-CREATION



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TREPTOWERPARK



visual front area
ROSEGARDEN



entrance

ROSEGARDEN

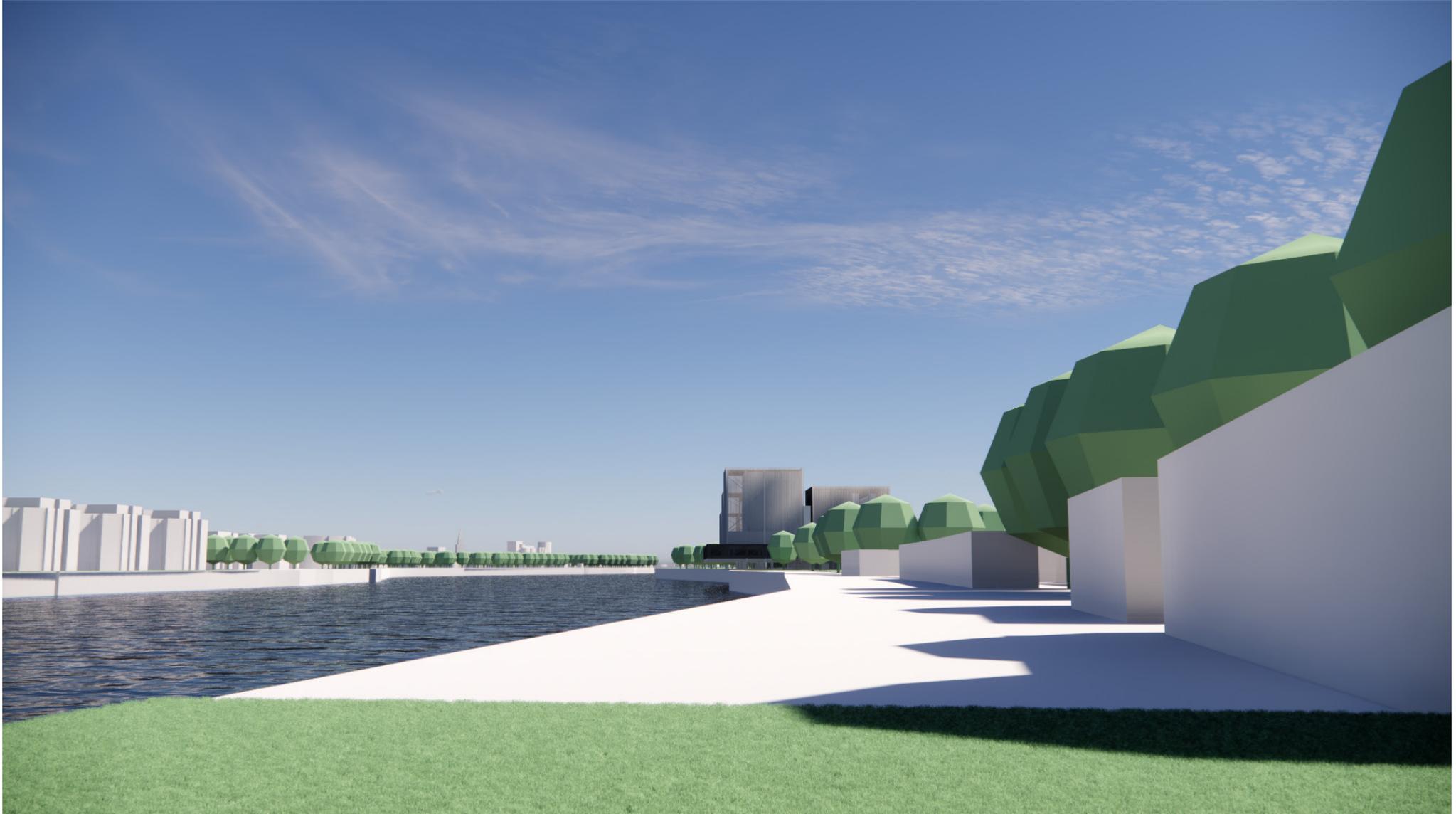


binding canopee

SPREE

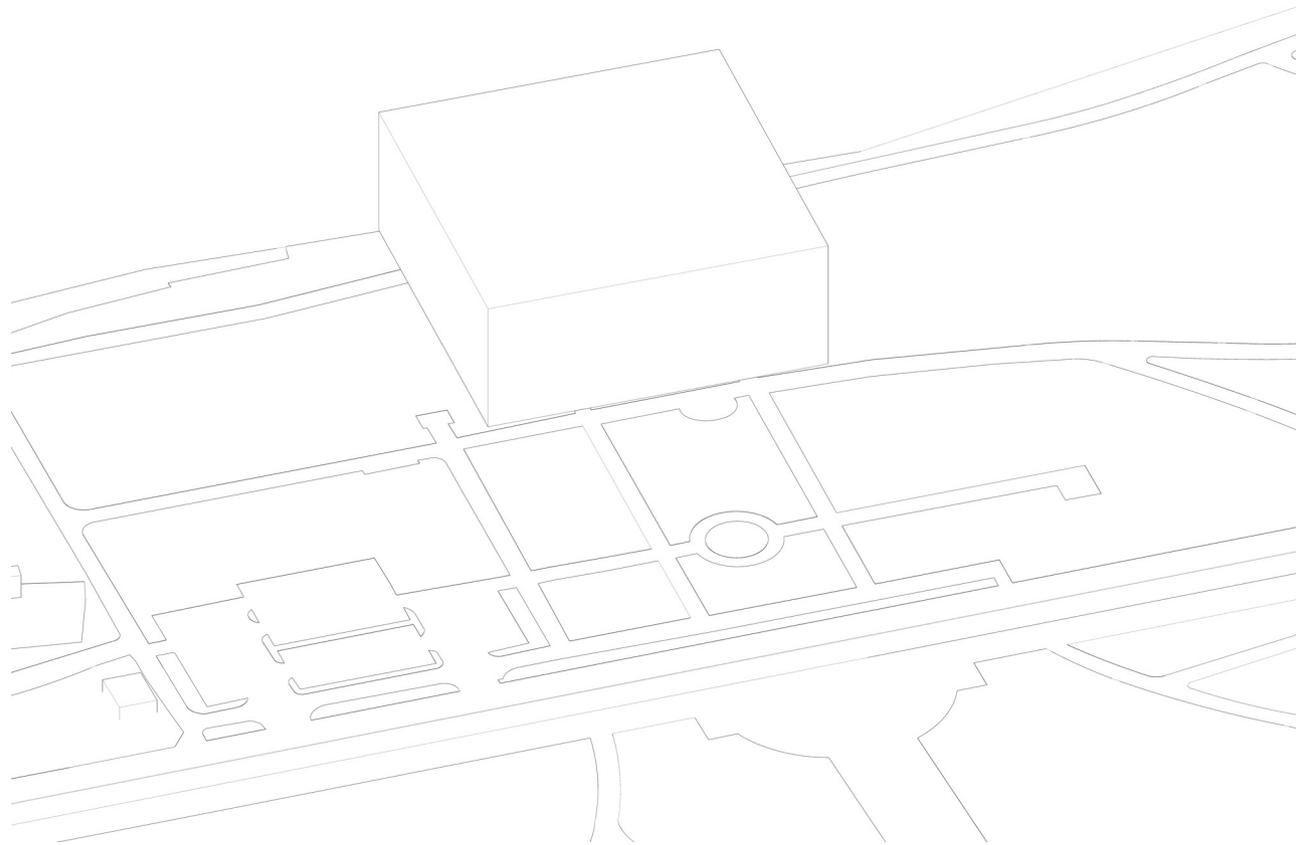


arrival
SPREE



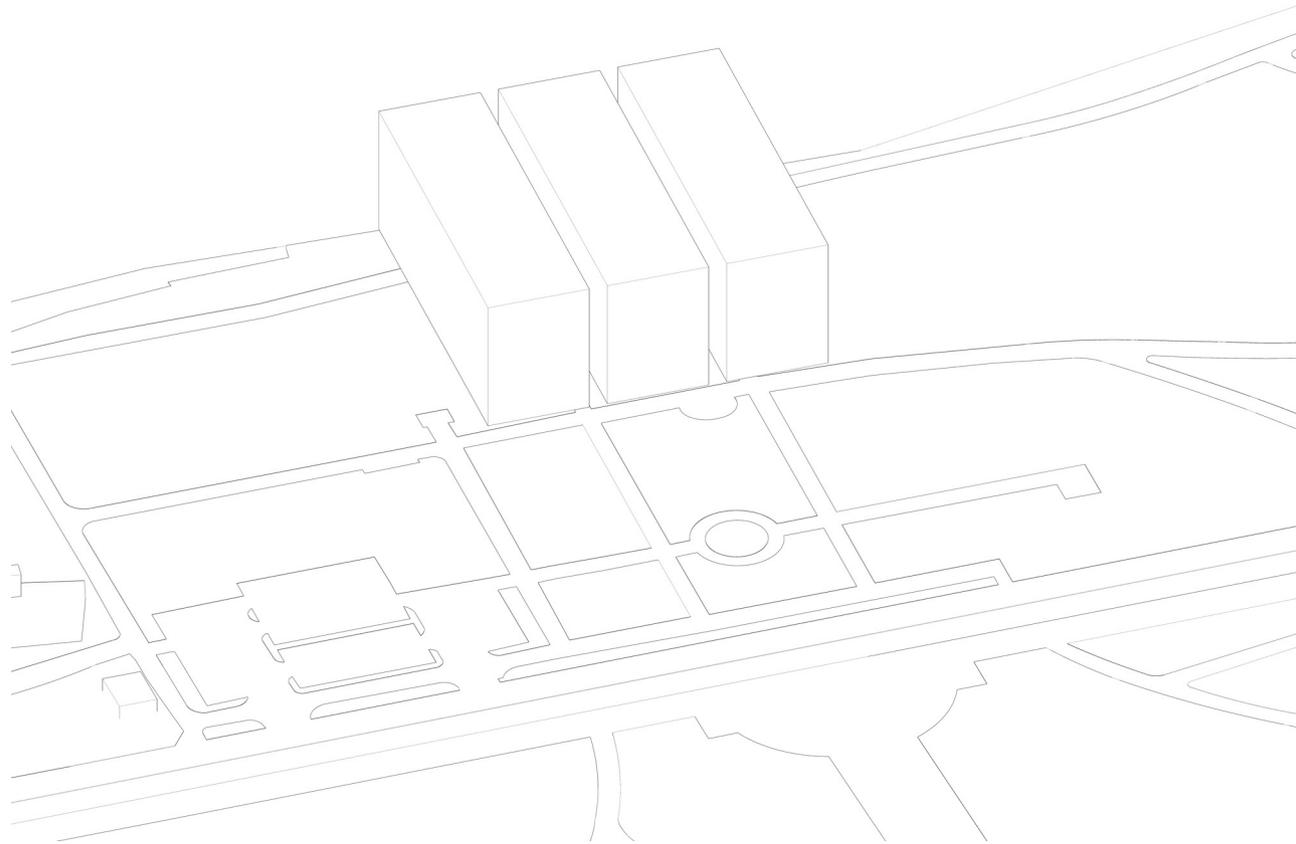
massing

SPREE CONNECTION



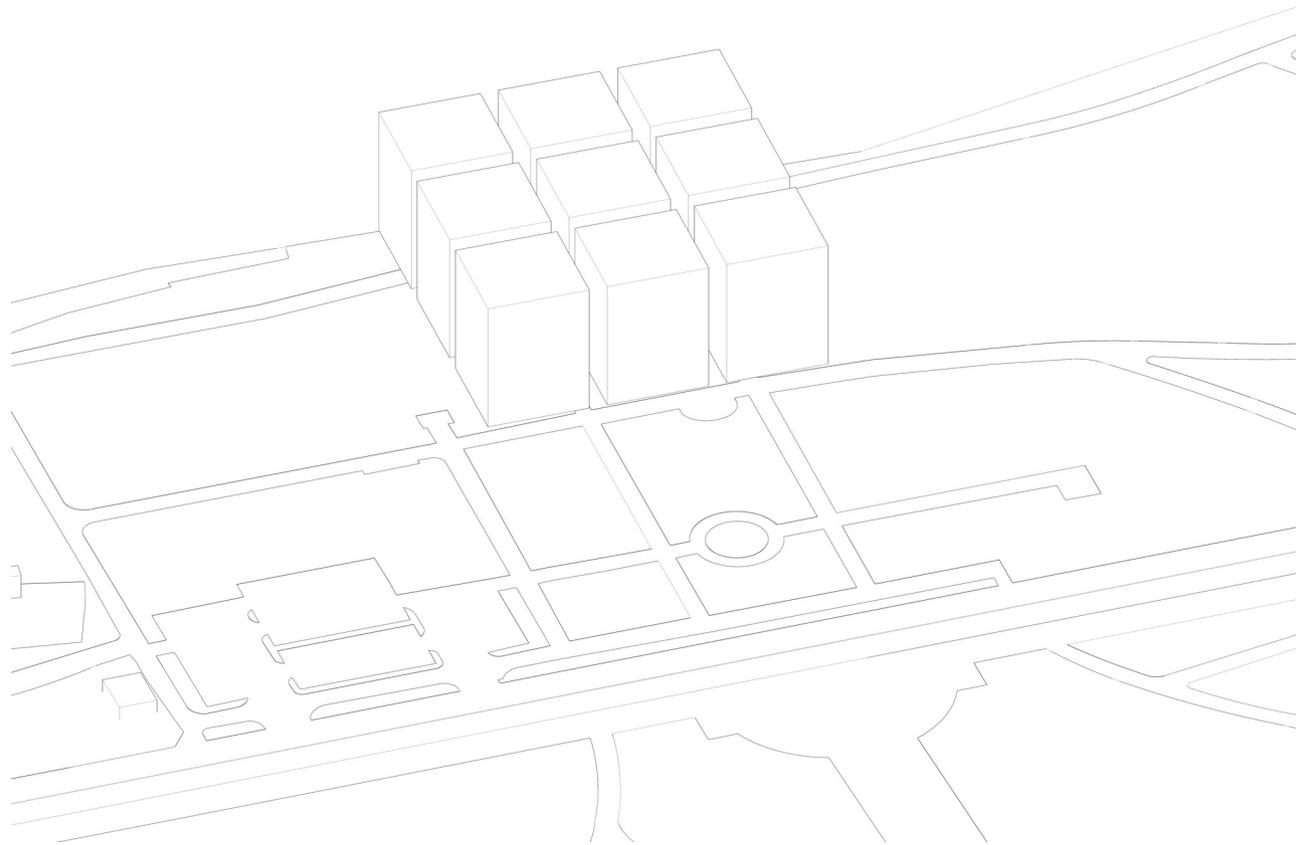
massing

ROSEGARDEN GRID



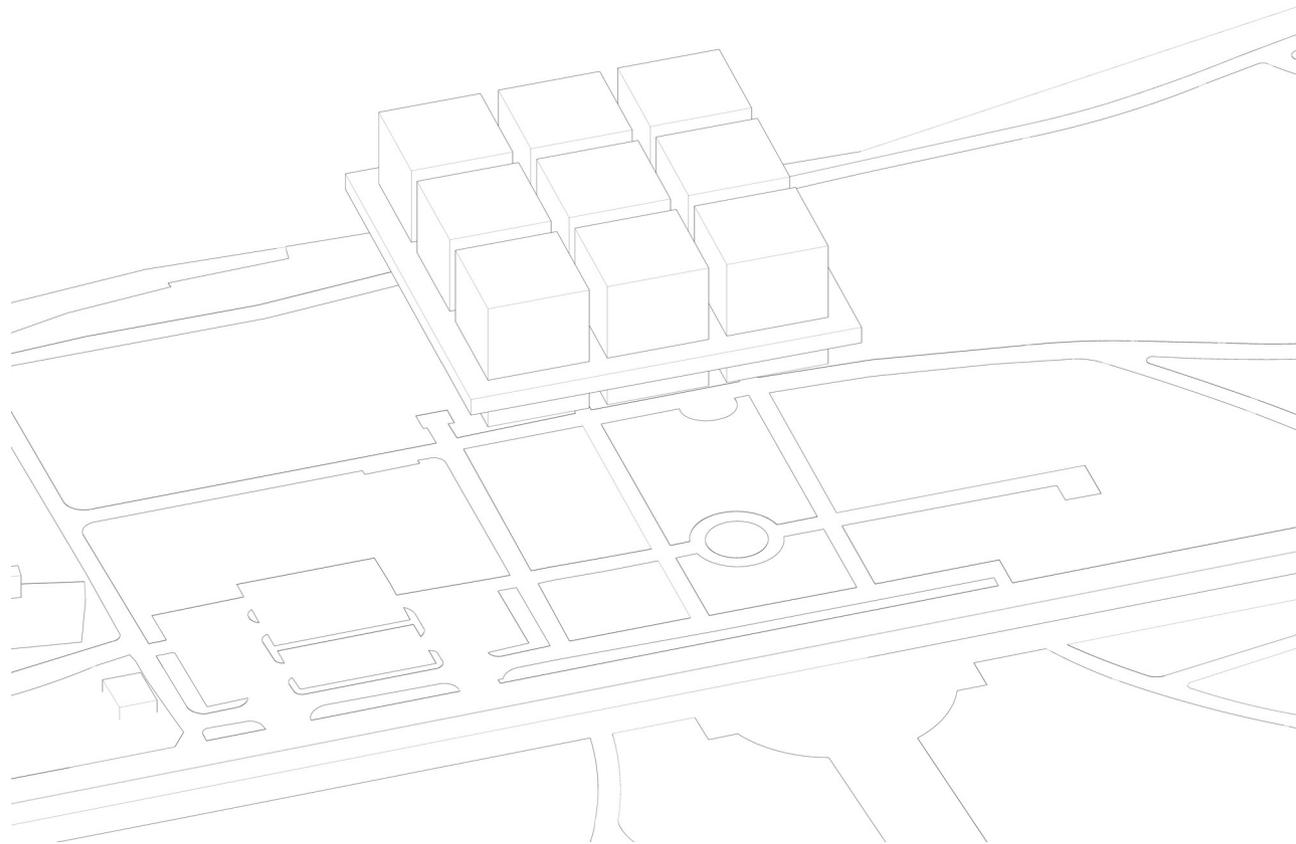
massing

PAVILION MATRIX



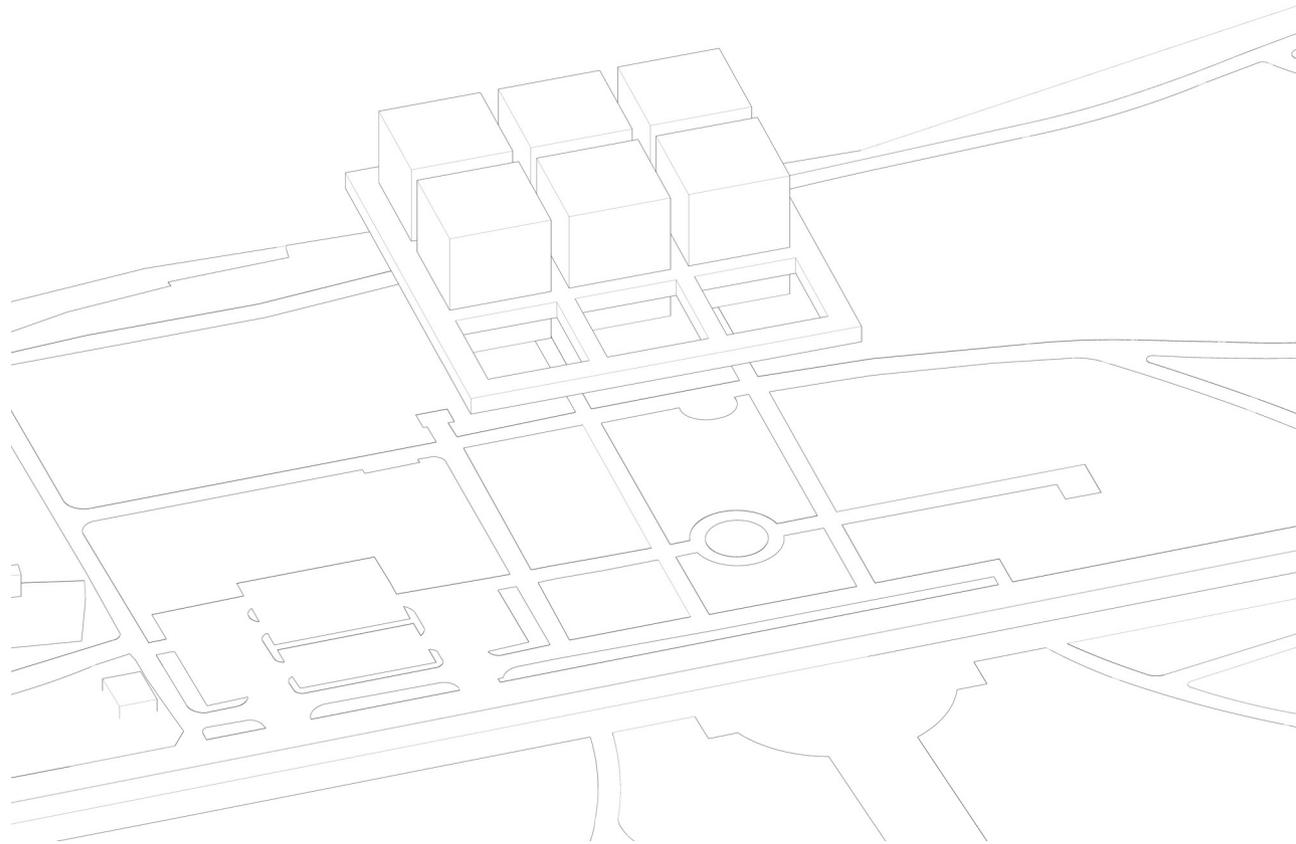
massing

BINDING CANOPEE



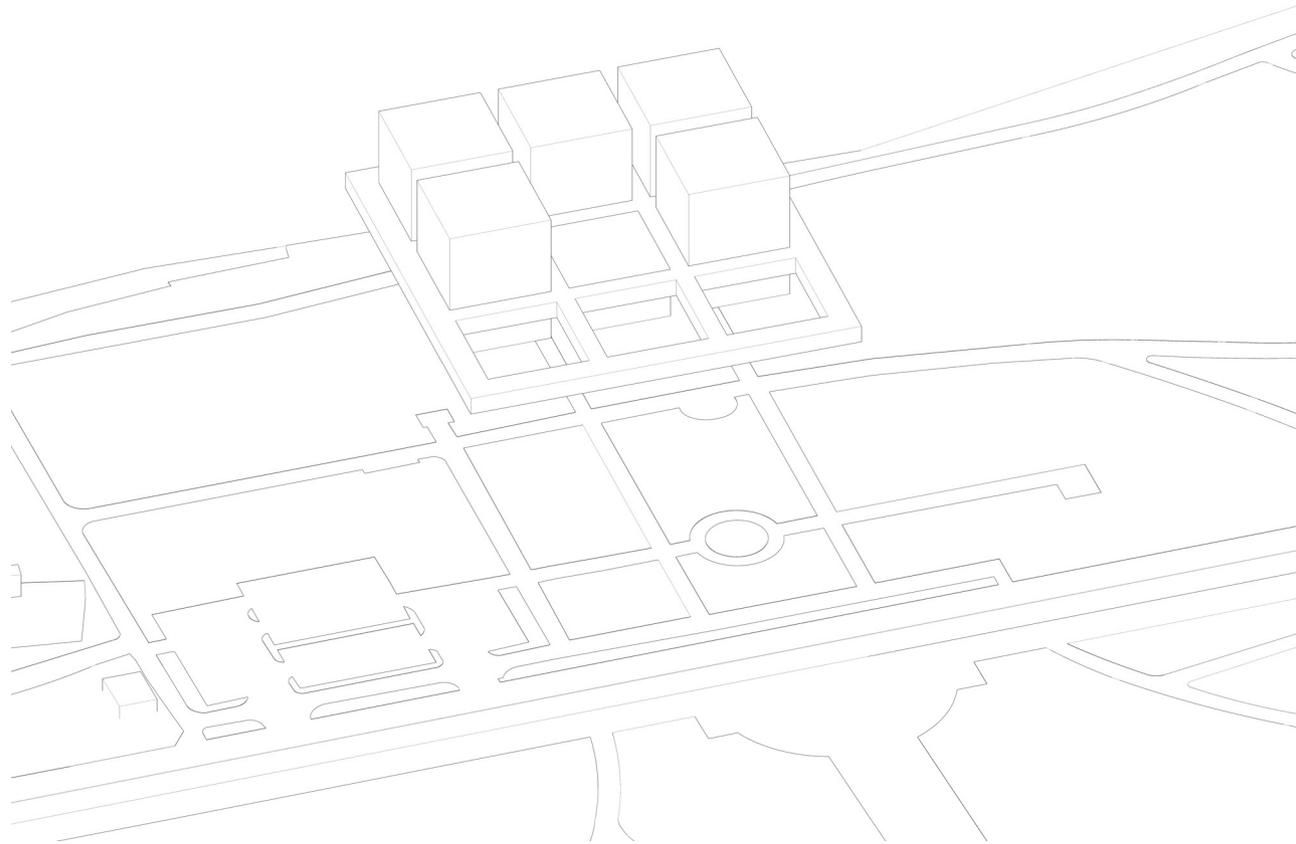
massing

FRONT AREA



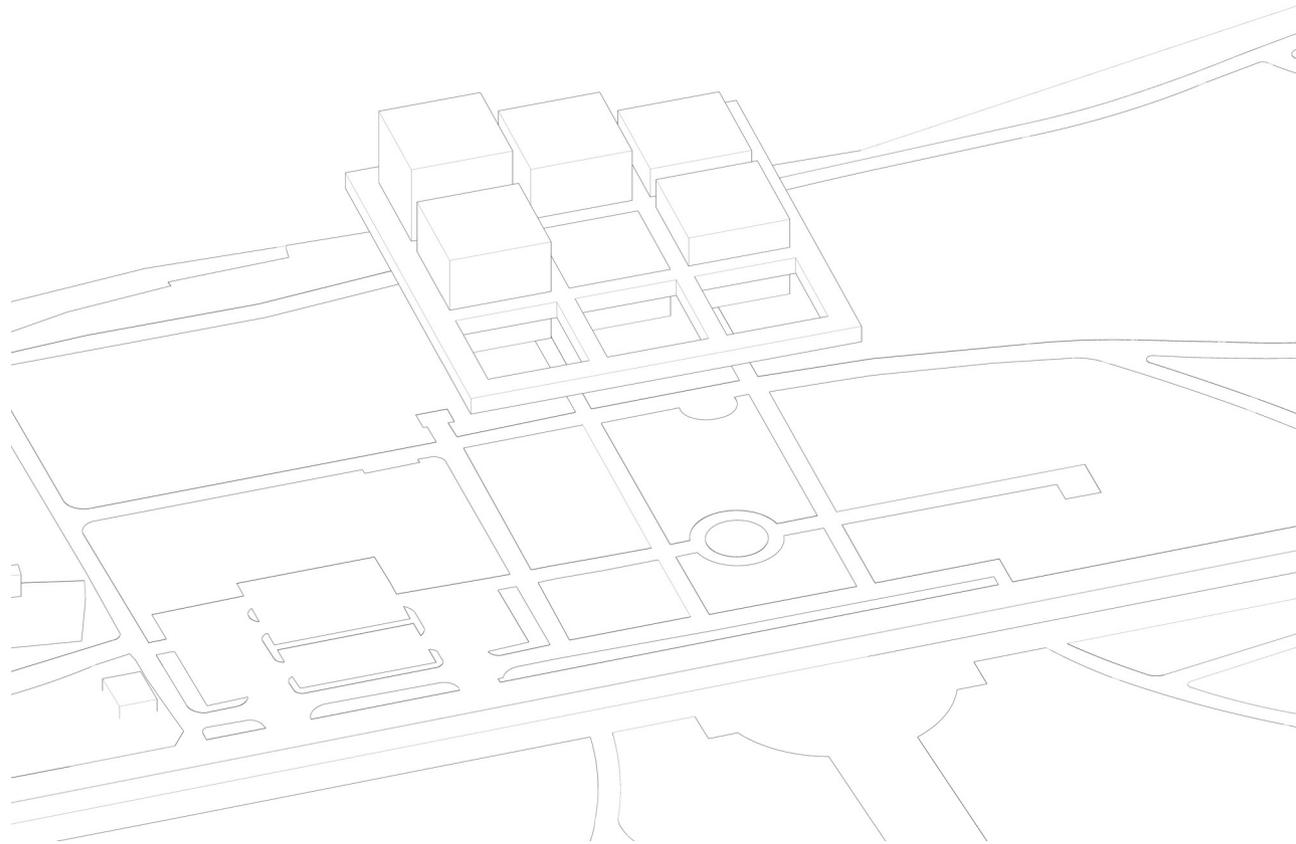
massing

CENTRAL CONNECTION



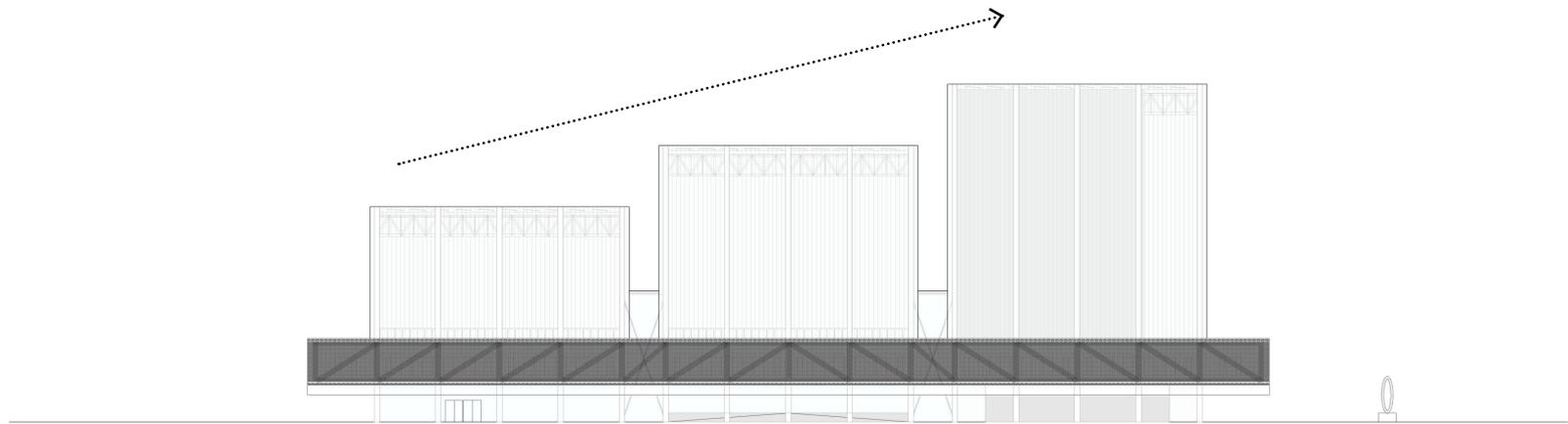
massing

SCALED VOLUMES



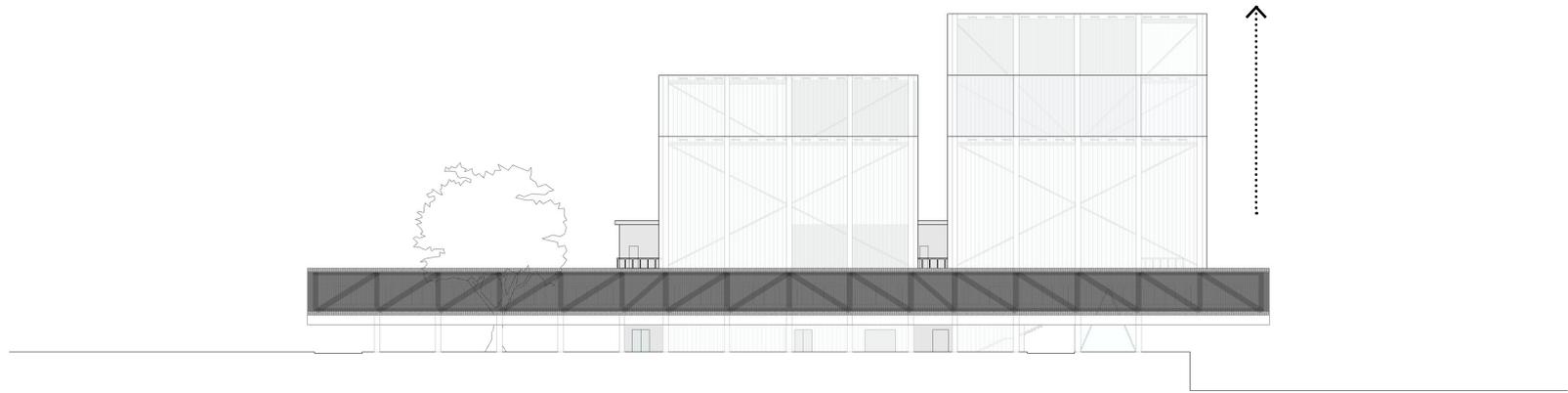
iconic

SCALED VOLUMES



iconic

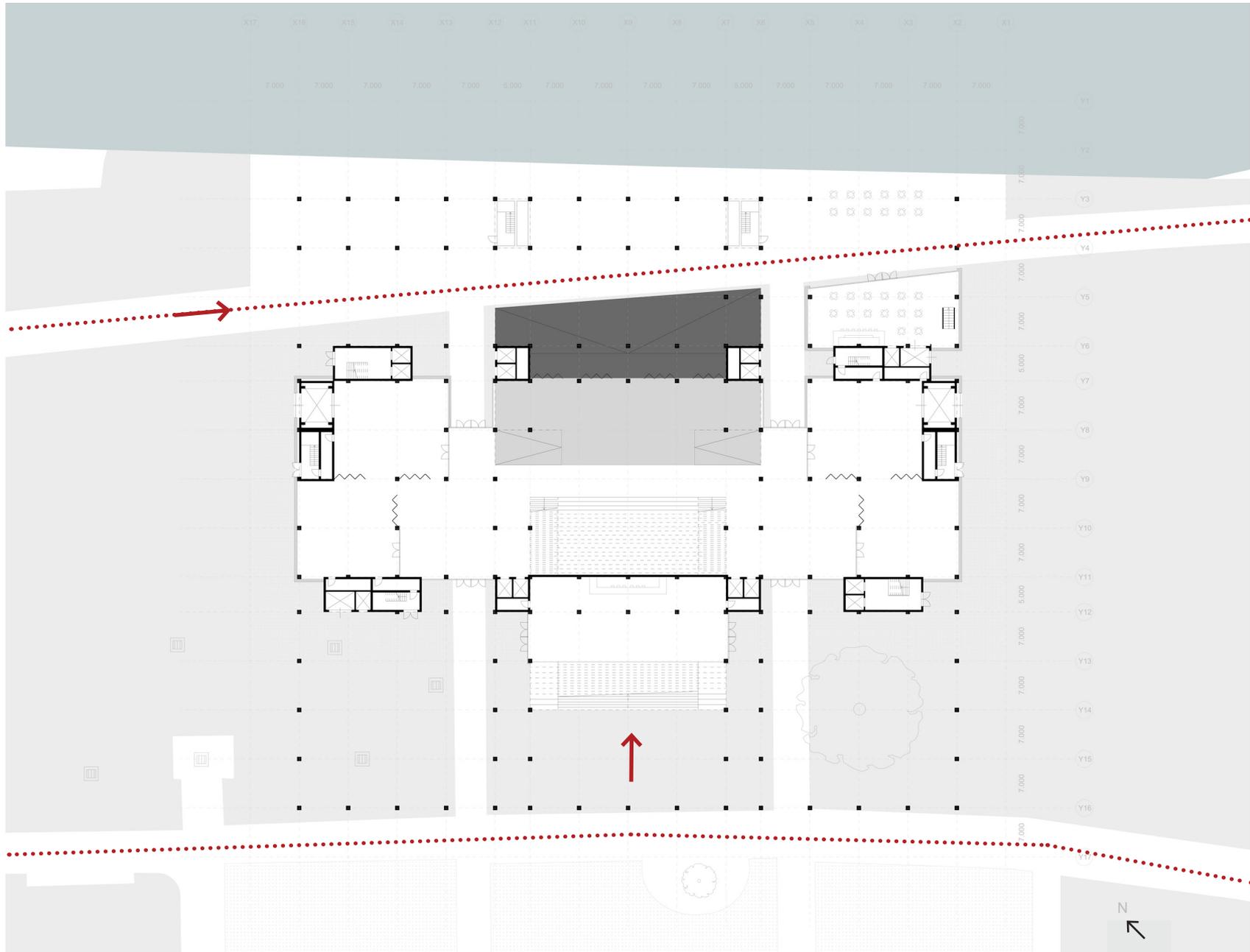
SCALED VOLUMES



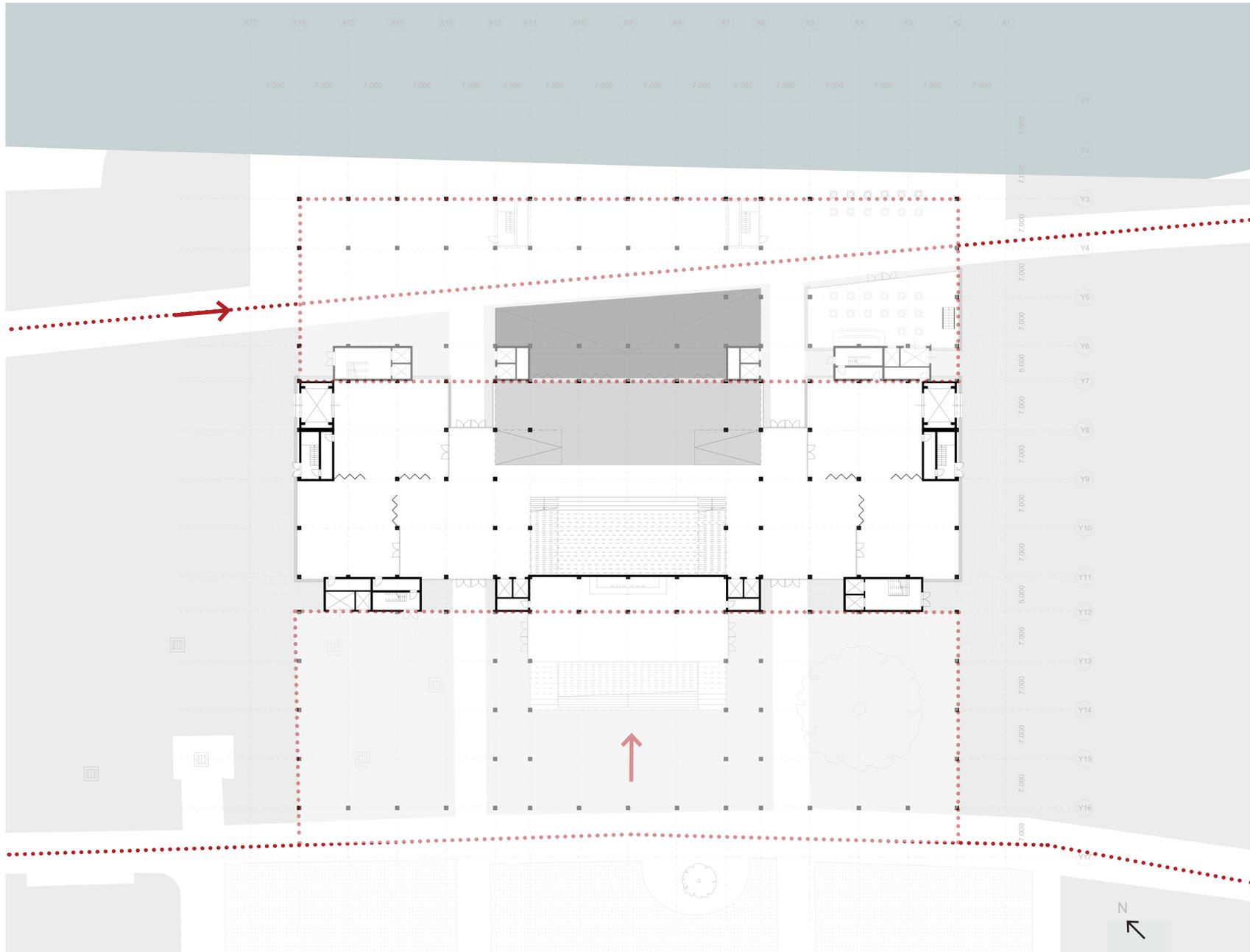
ENTRANCES



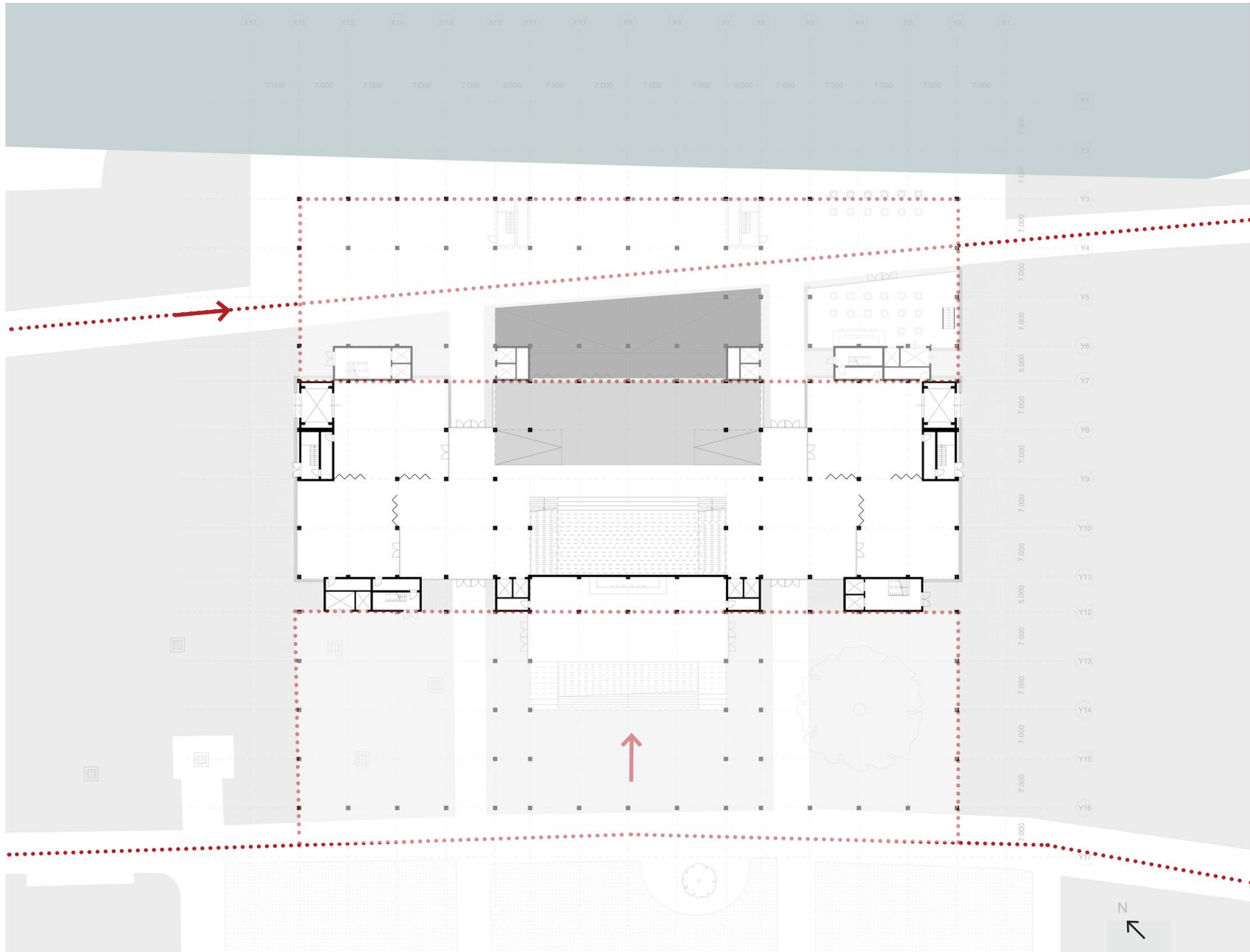
ground floor
FRONT AREA'S



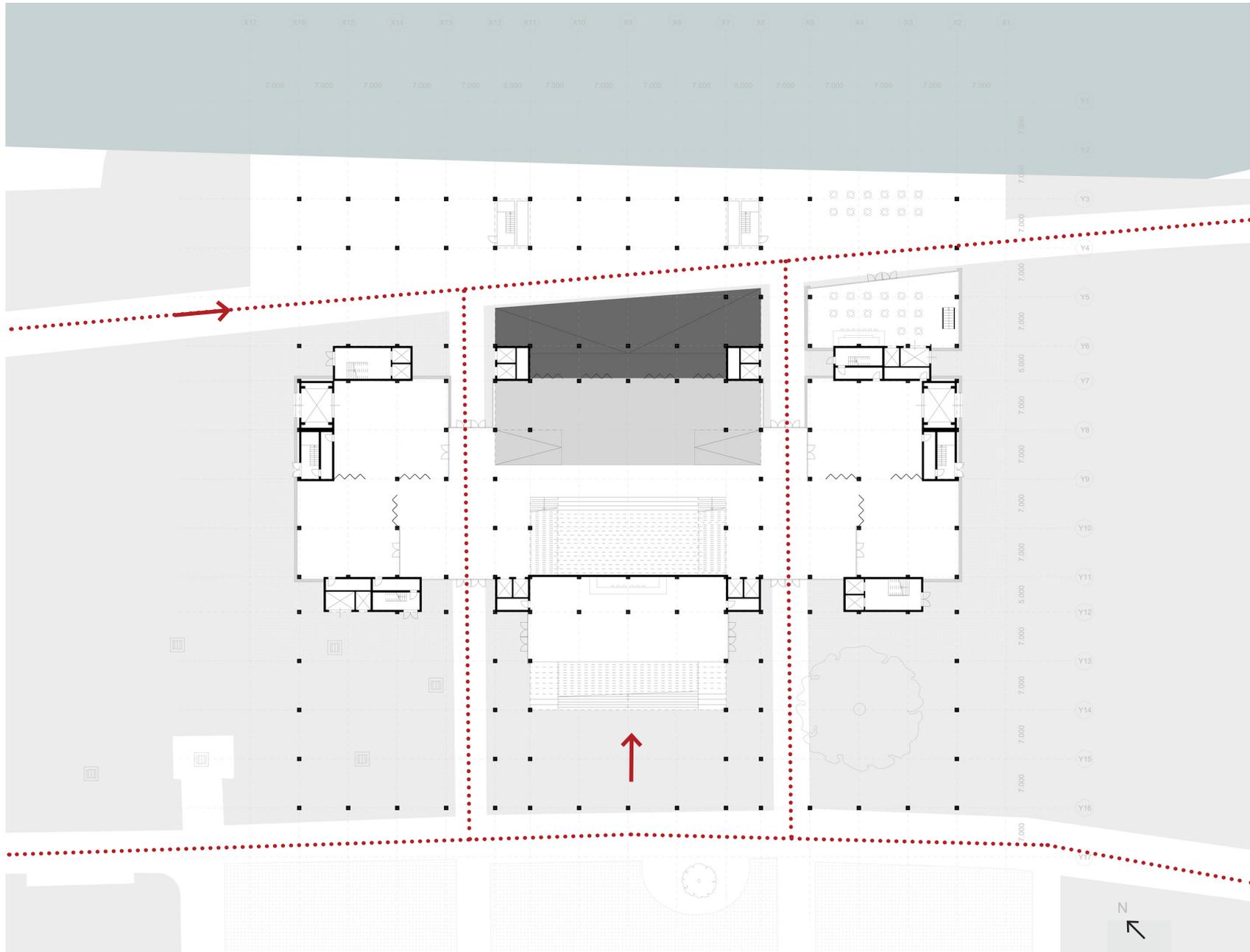
ground floor
FRONT AREA'S



ground floor
FRONT AREA'S

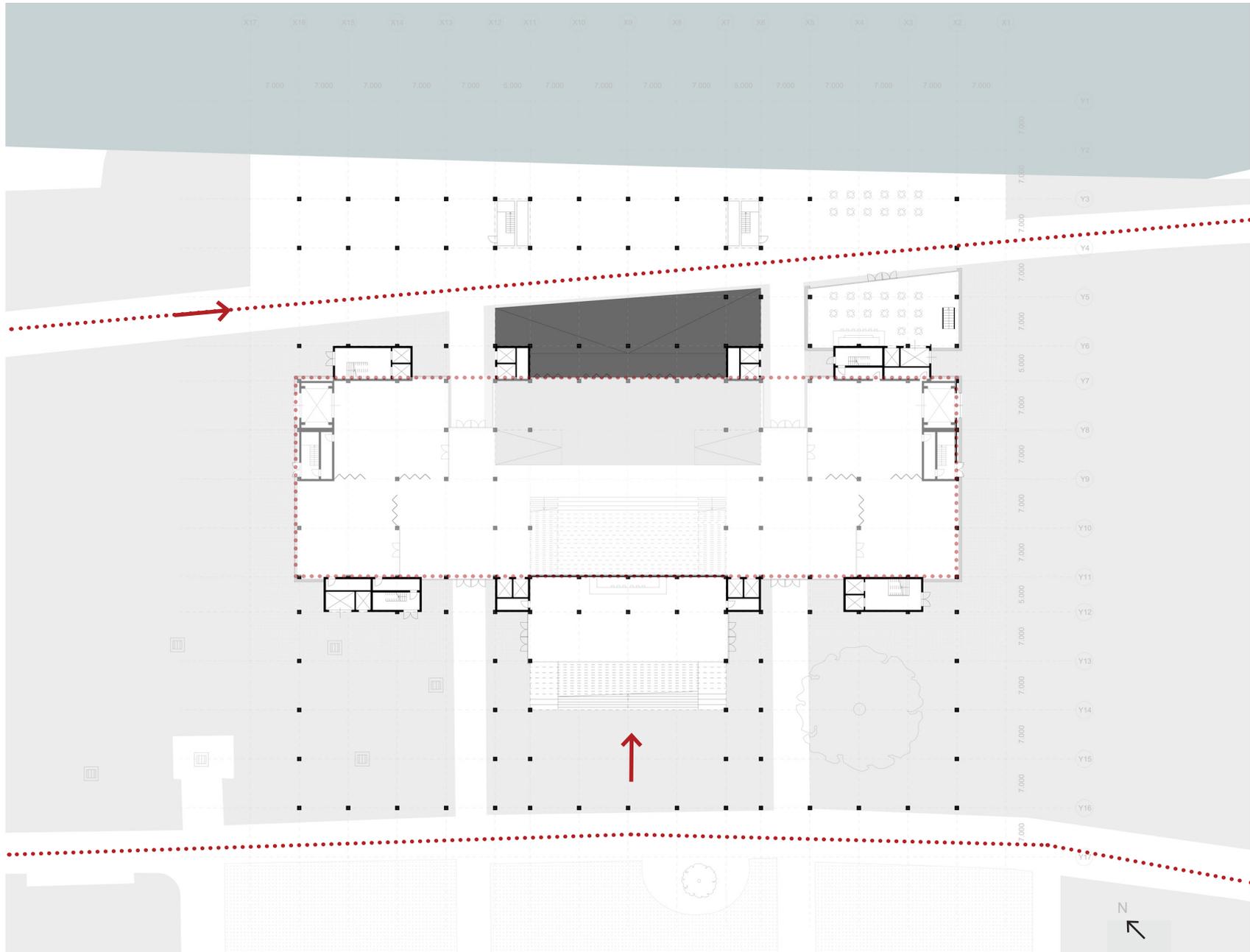


ground floor
OPEN PLINT



ground floor

BLURRED BOUNDARIES



ROSEGARDEN ENTRANCE

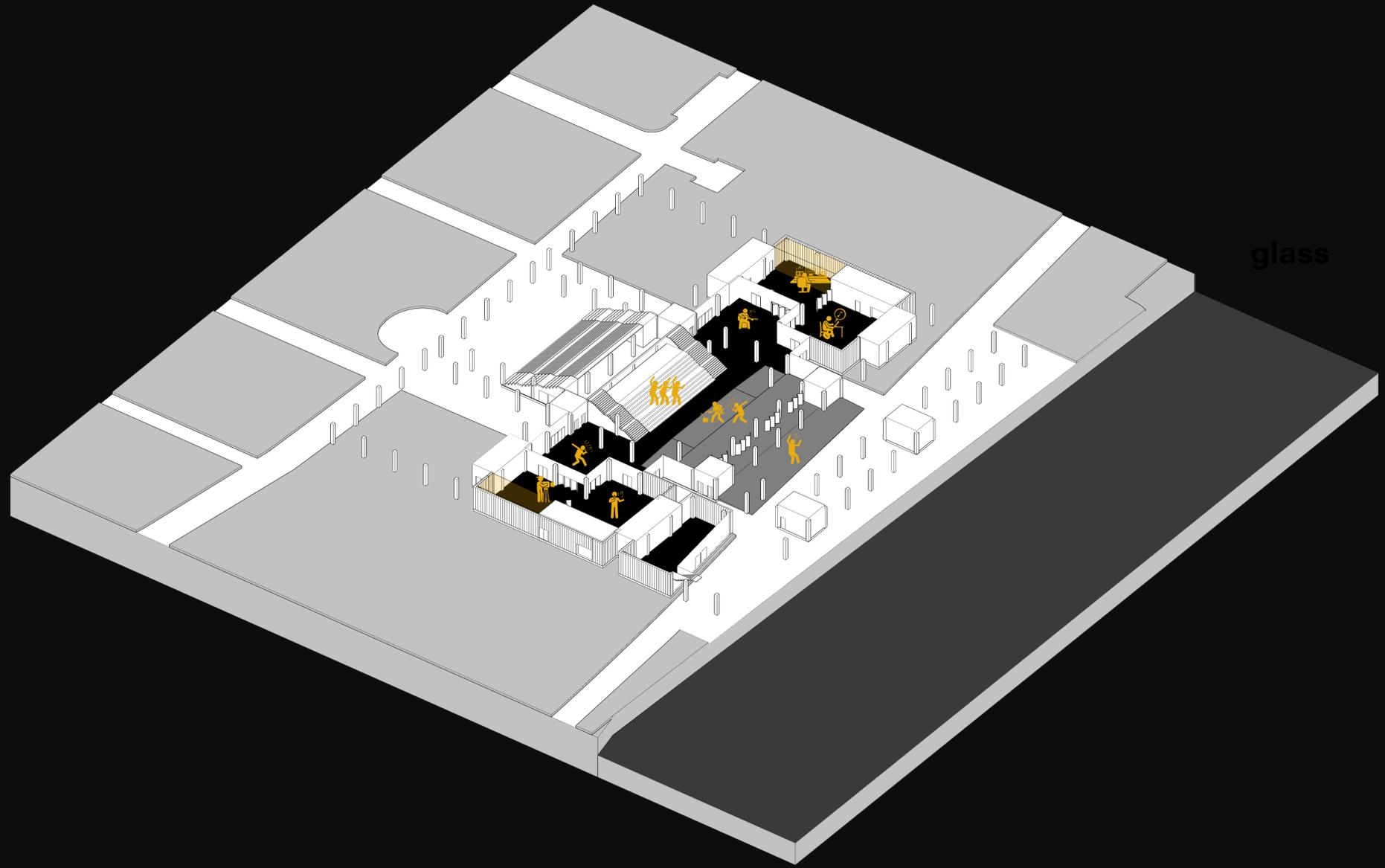


SPREE ENTRANCE



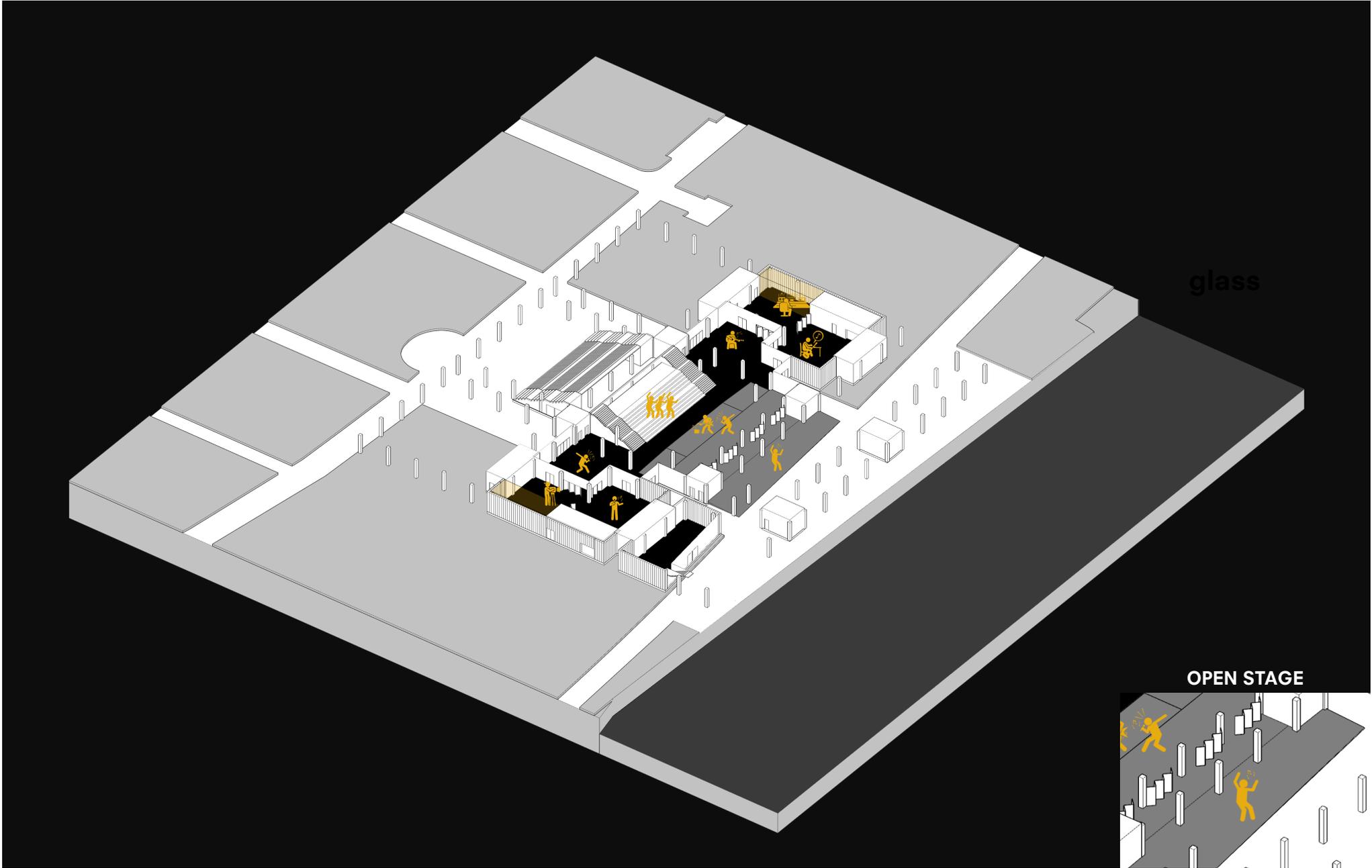
co-creation area

CO-CREATION

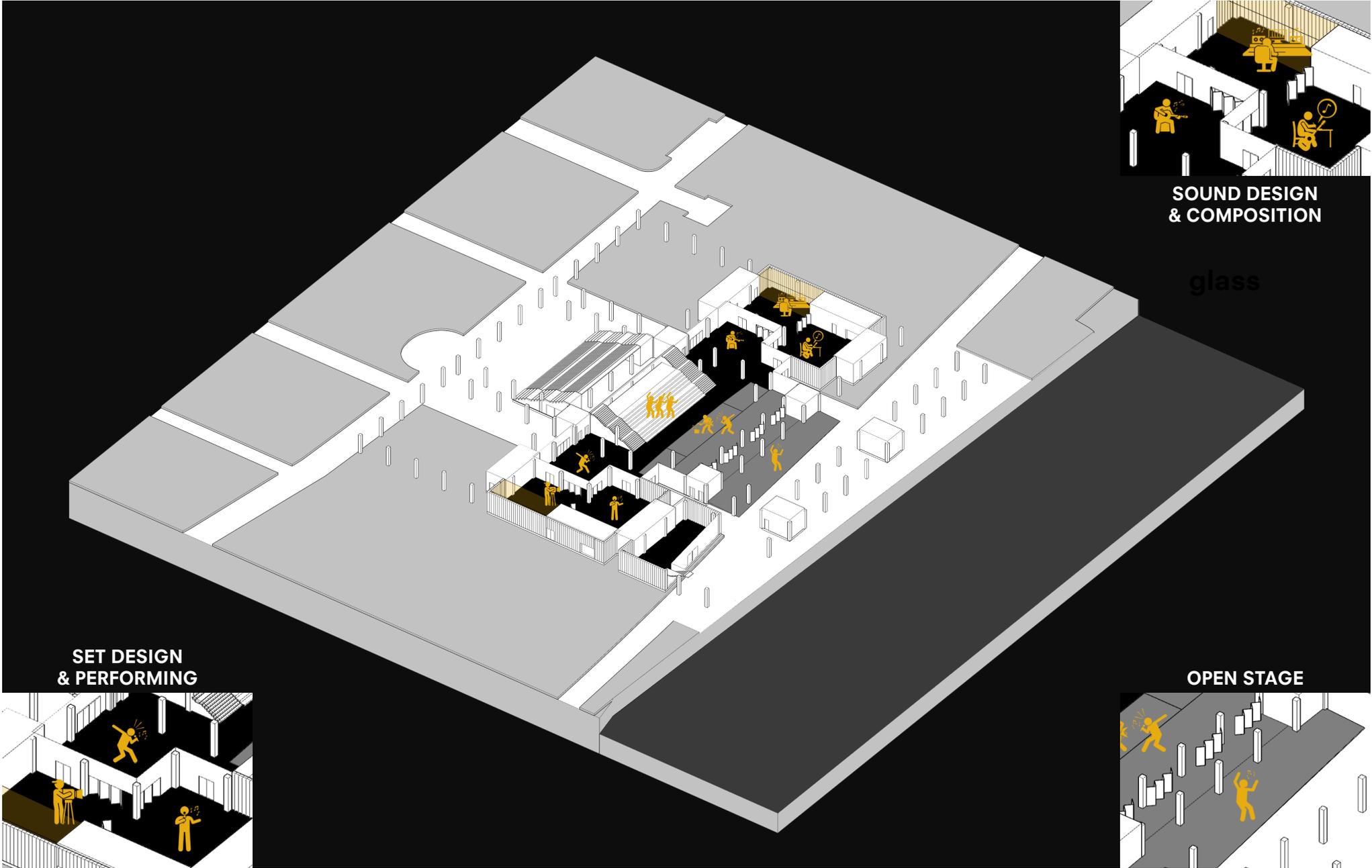


co-creation area

OPEN STAGE



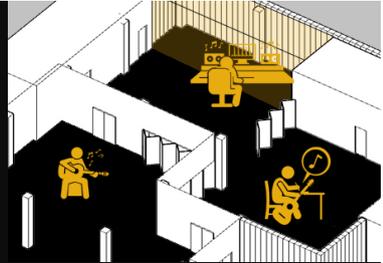
co-creation area
WORKSHOPS



**SET DESIGN
& PERFORMING**

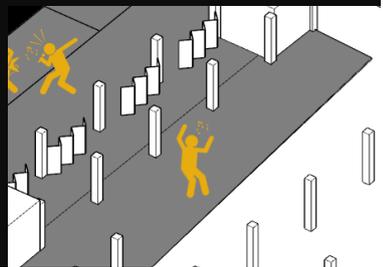


**SOUND DESIGN
& COMPOSITION**



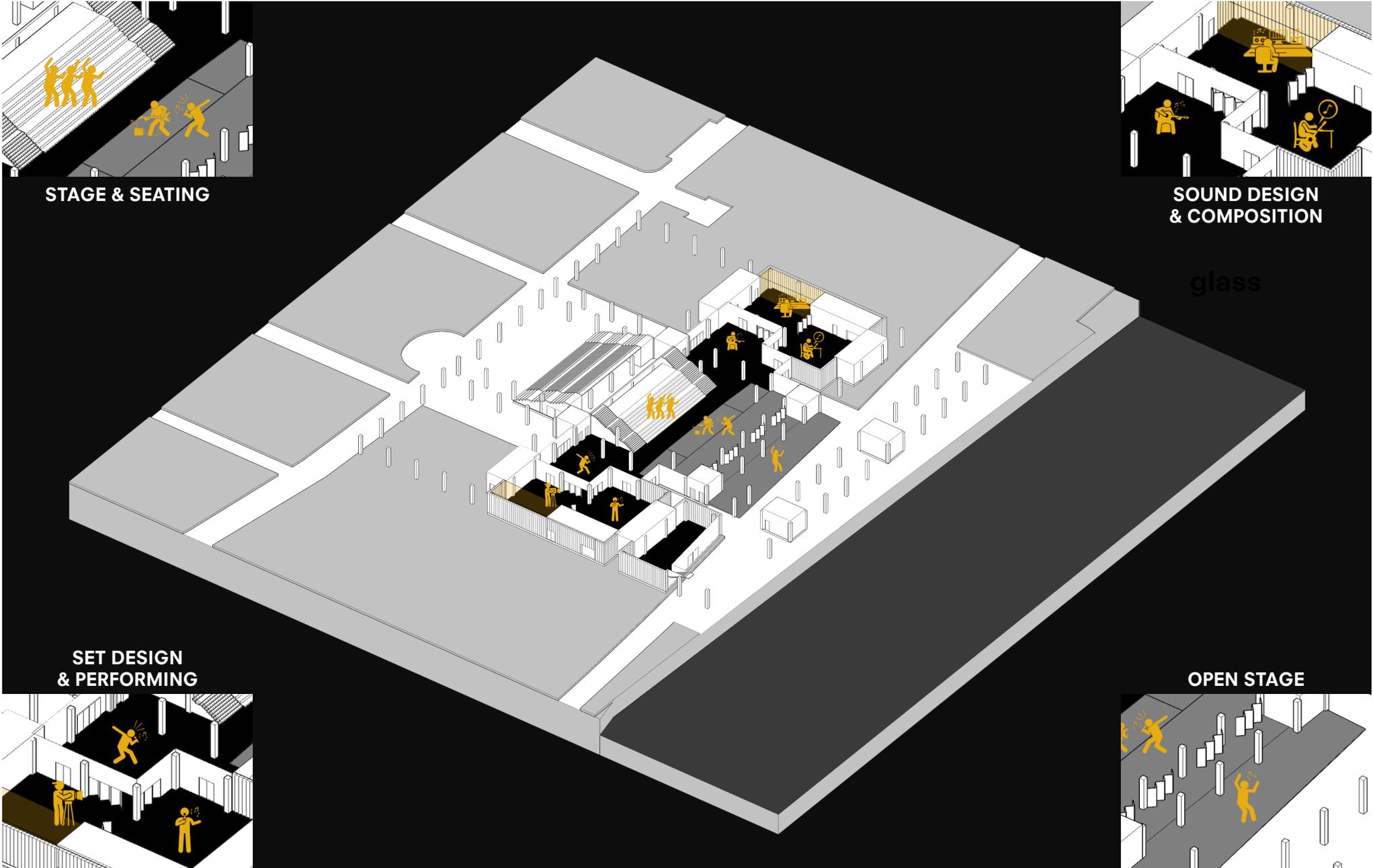
glass

OPEN STAGE



co-creation area

CO-CREATION STAGE



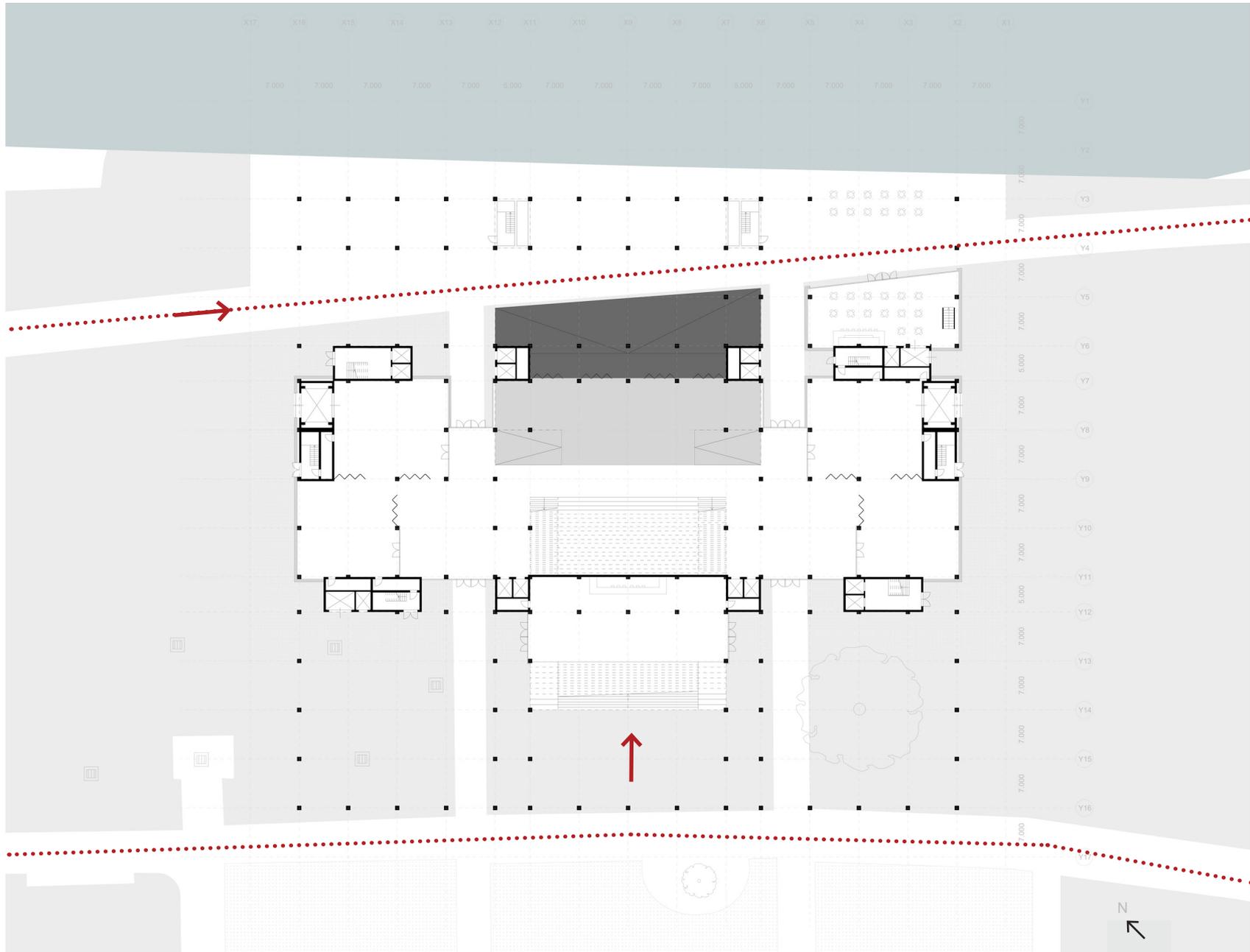
STAGE & SEATING

SOUND DESIGN
& COMPOSITION

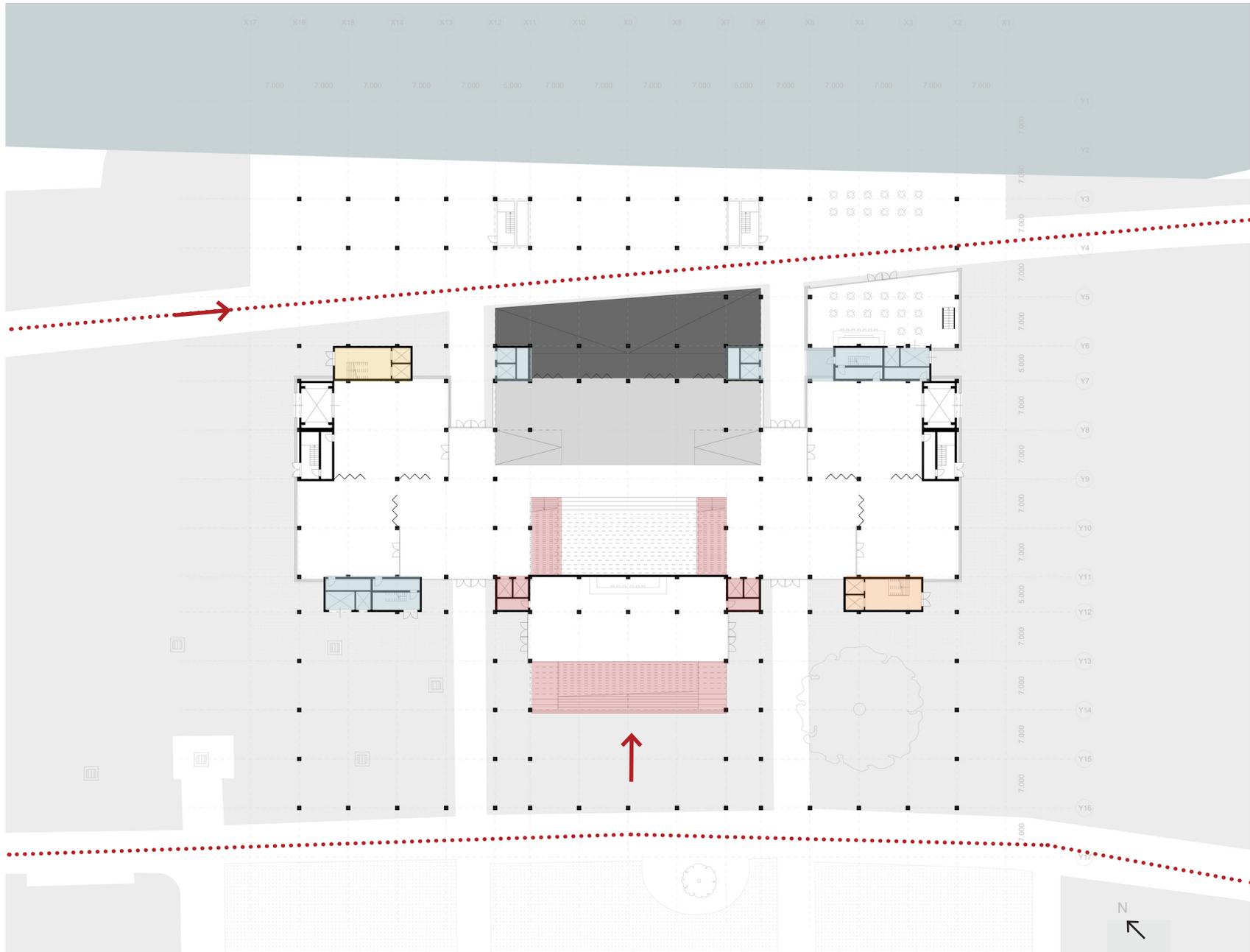
SET DESIGN
& PERFORMING

OPEN STAGE

ground floor ENTRANCES

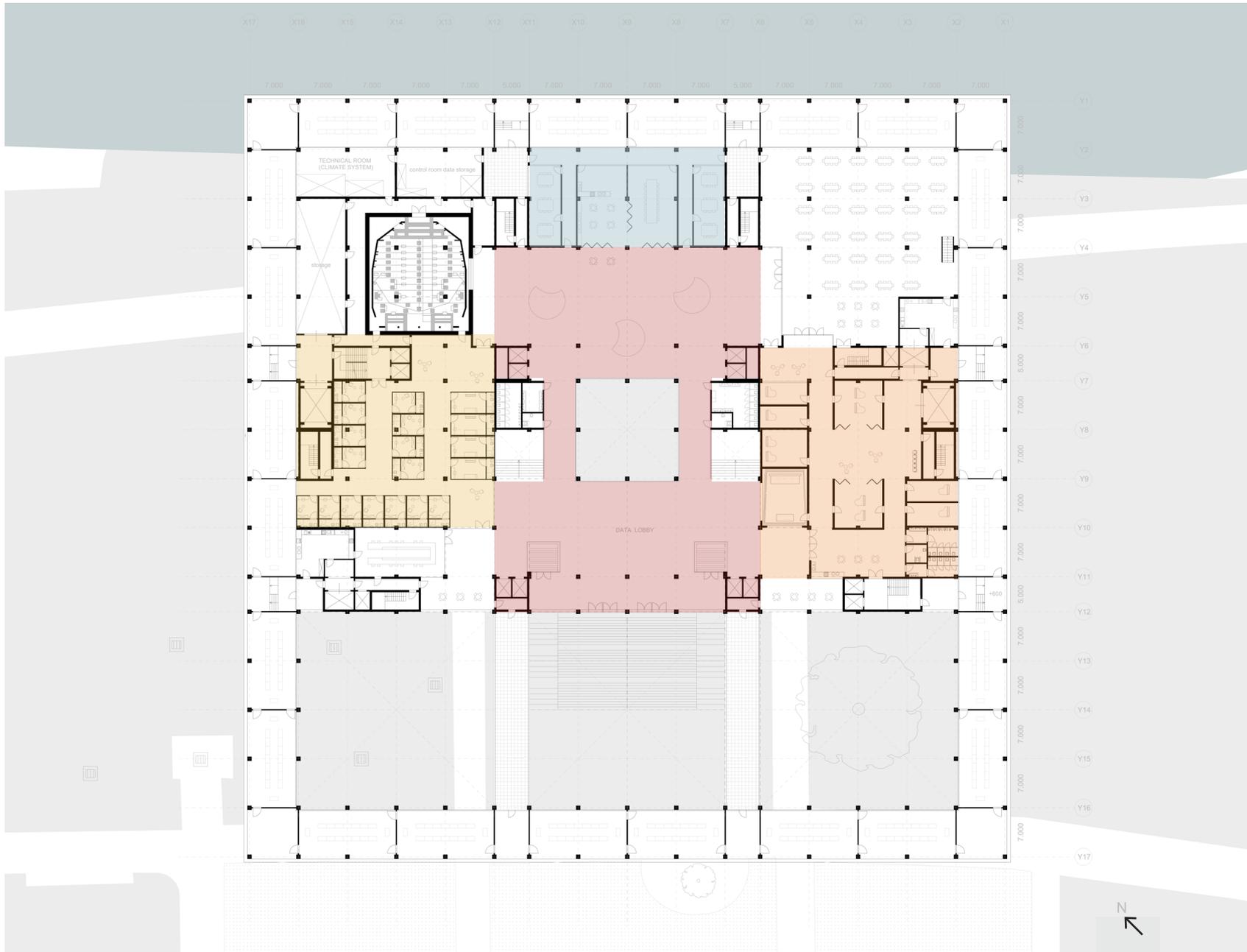


ground floor ENTRANCES



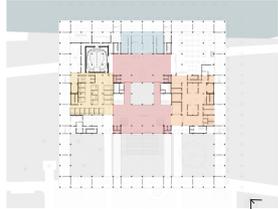
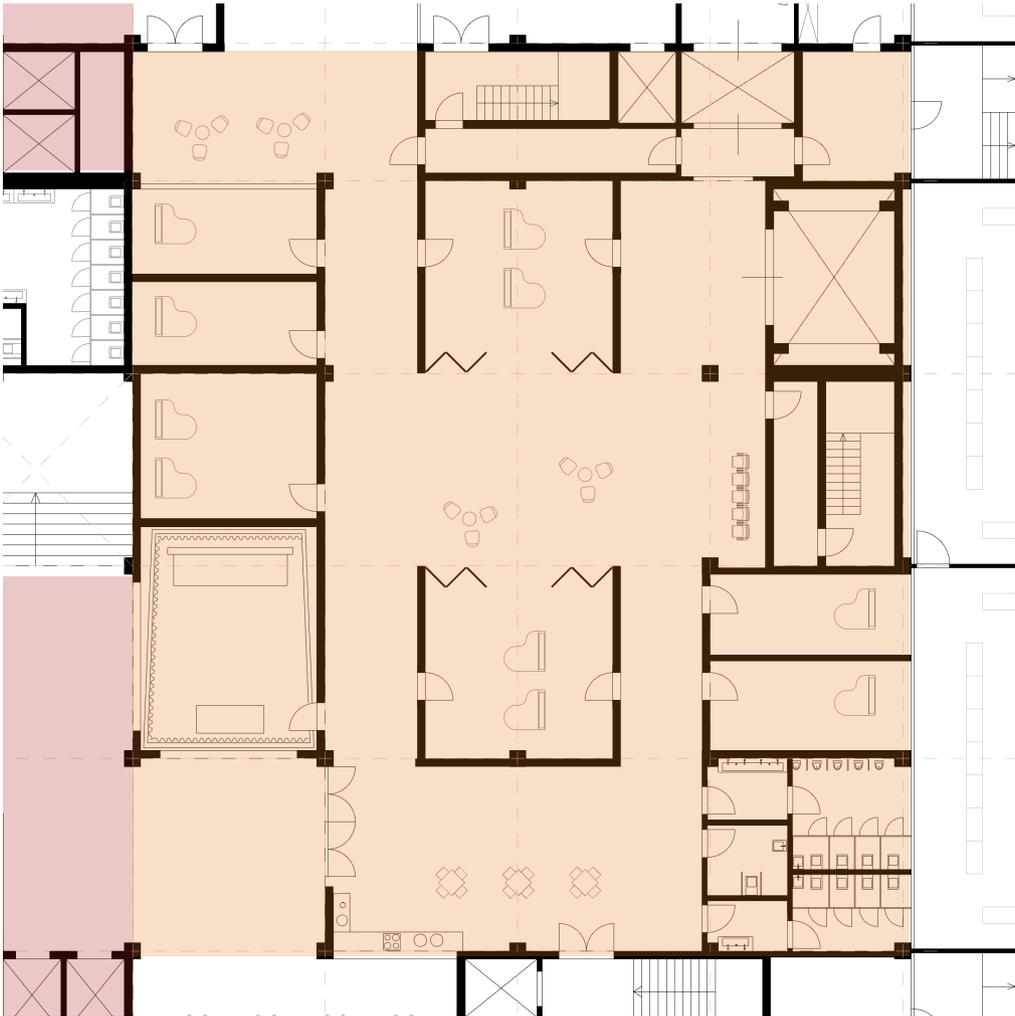
connecting public space

DATA LOBBY



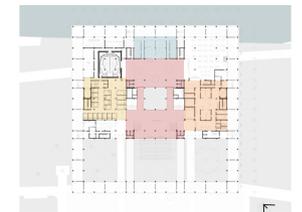
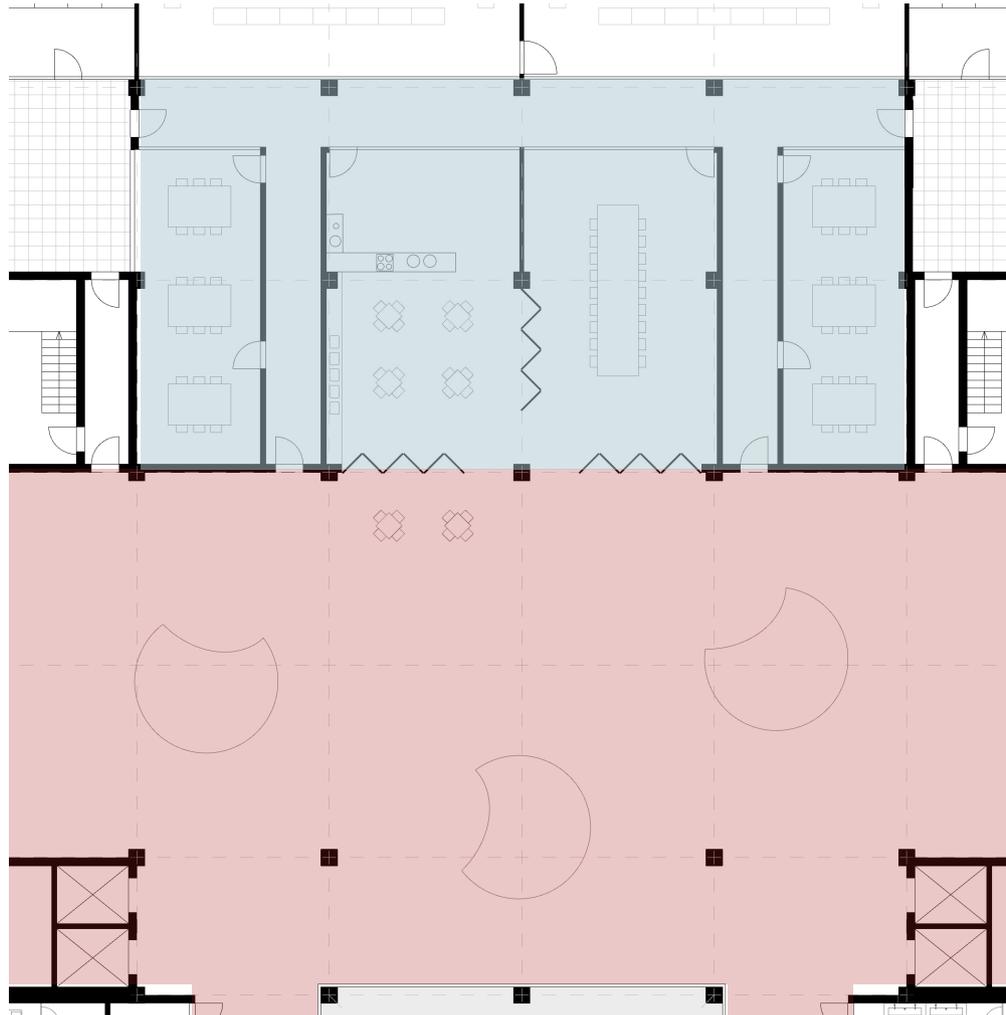
blurred boundaries

MUSIC STUDIOS



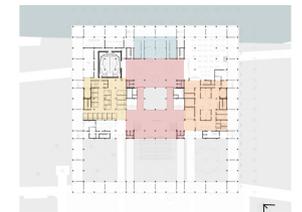
blurred boundaries

OFFICES



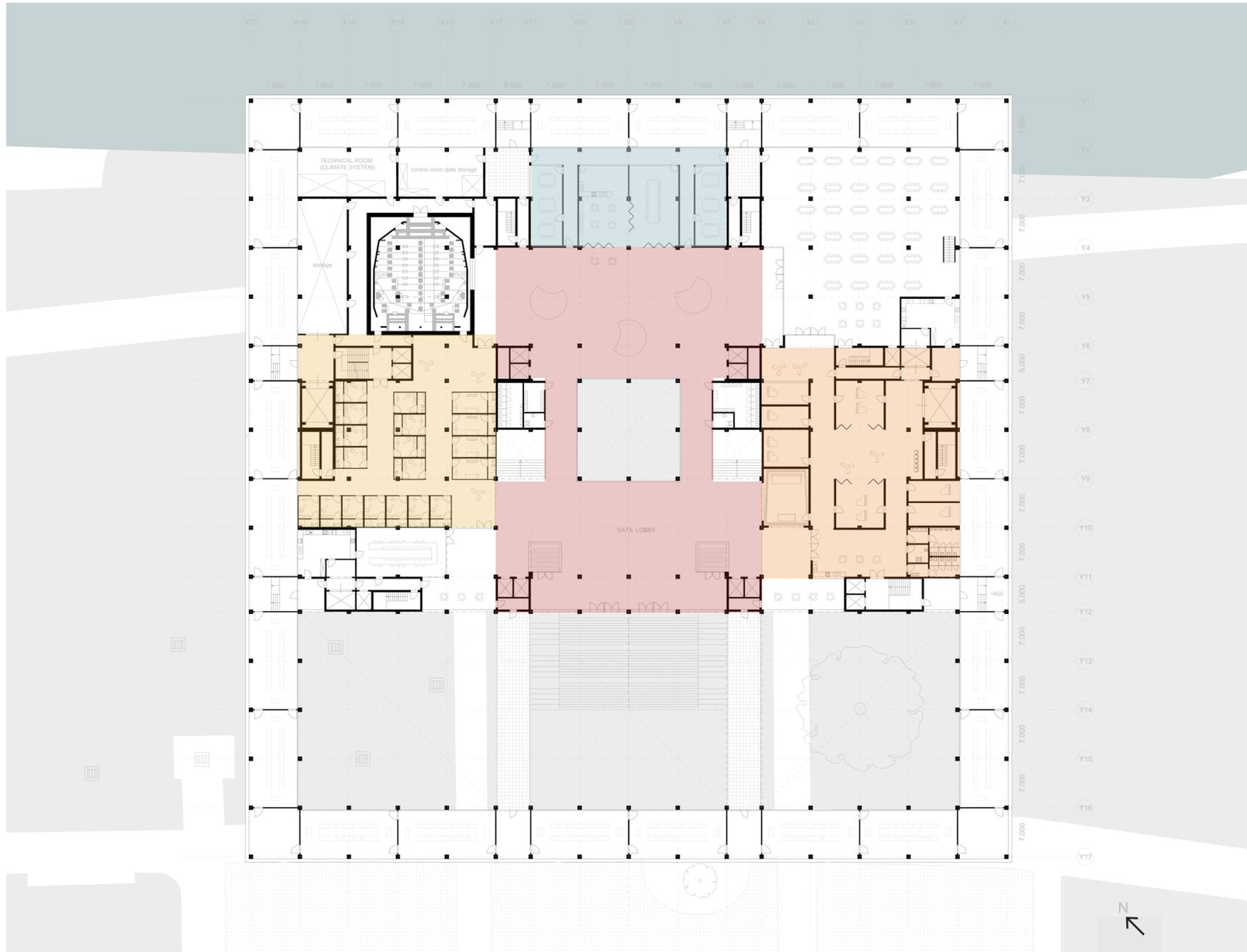
connecting public space

CHANGING ROOMS

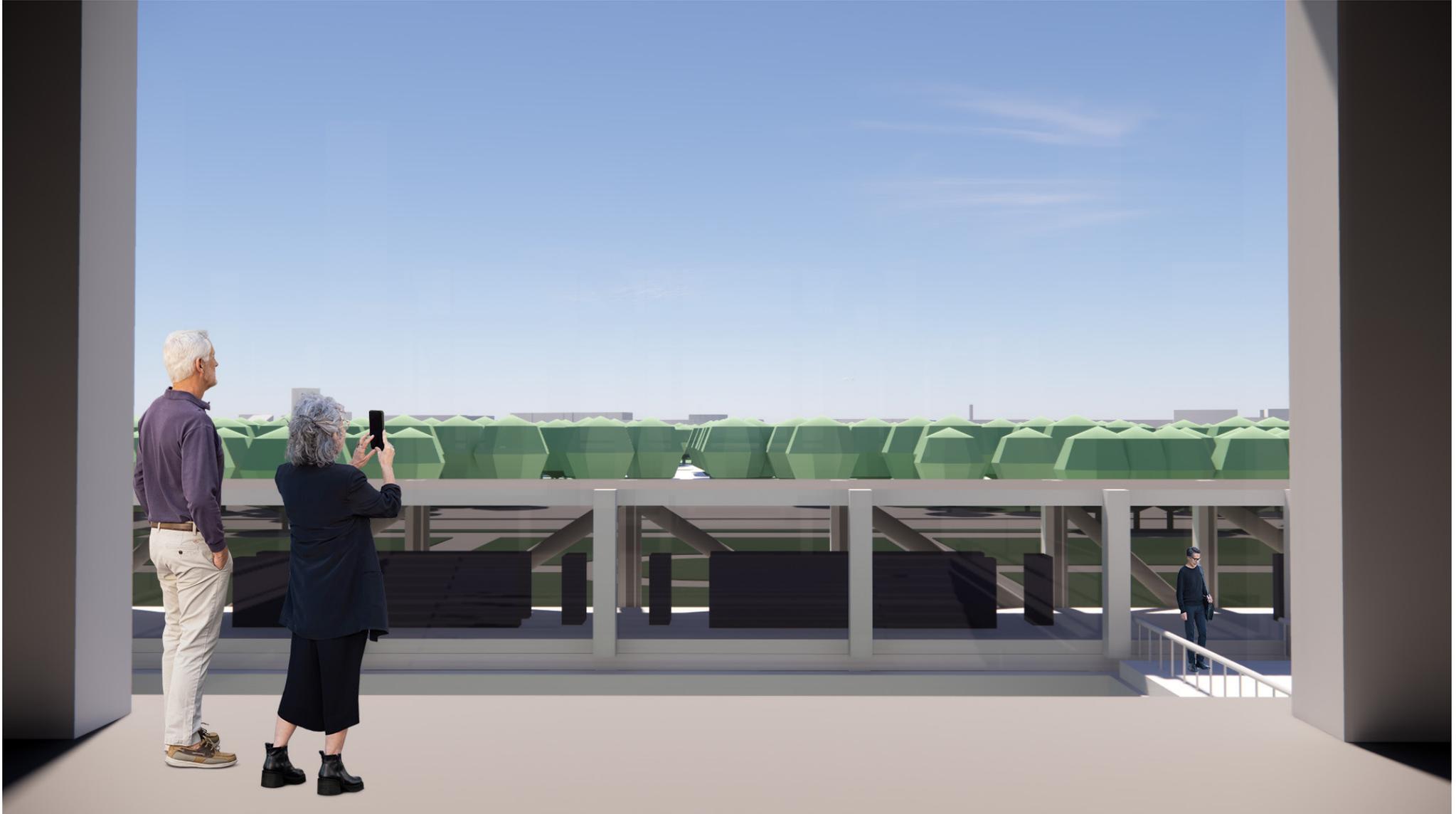


decentralized data

BINDING DATA



data display
DATA LOBBY

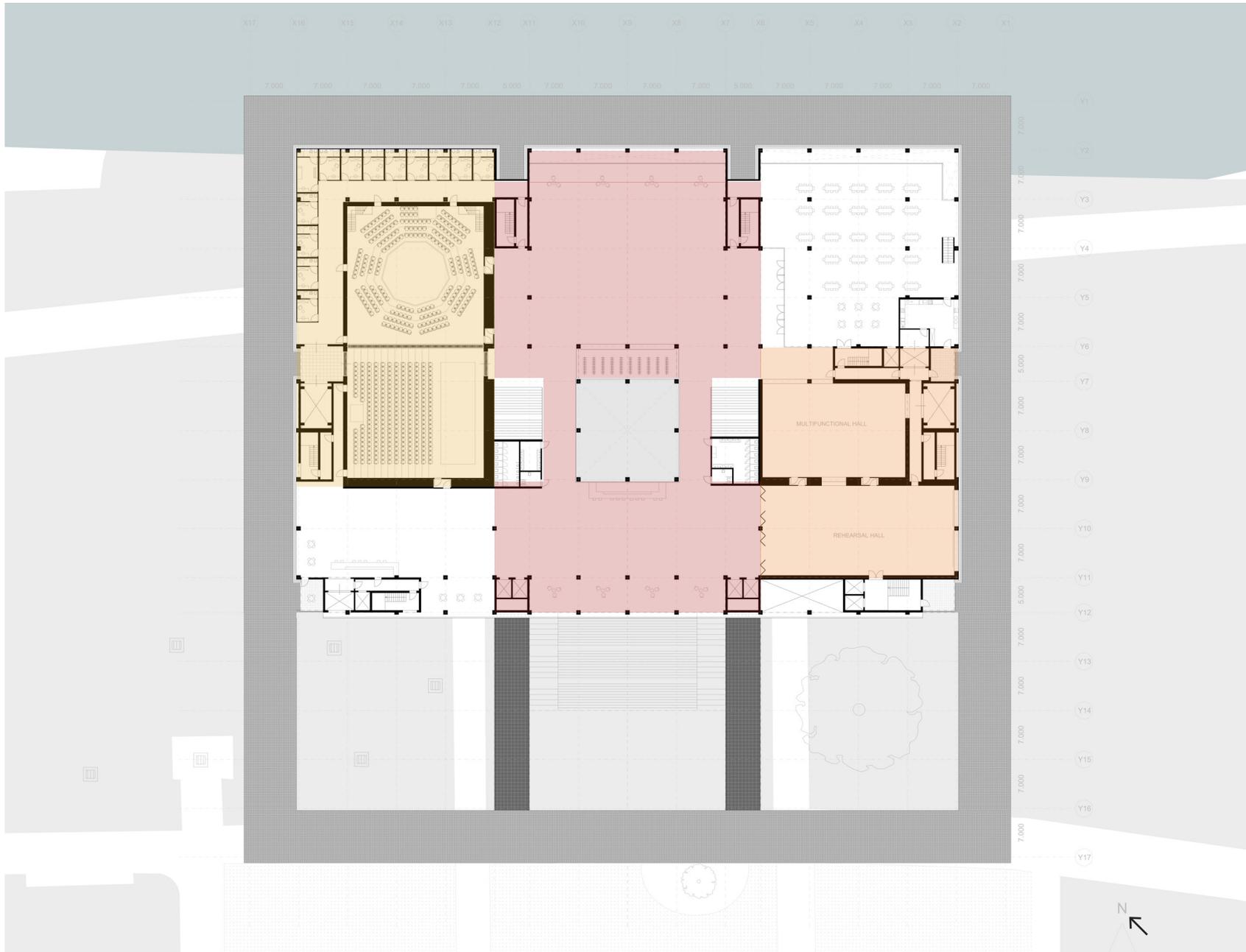


data display
BRAINSTORM CAFE



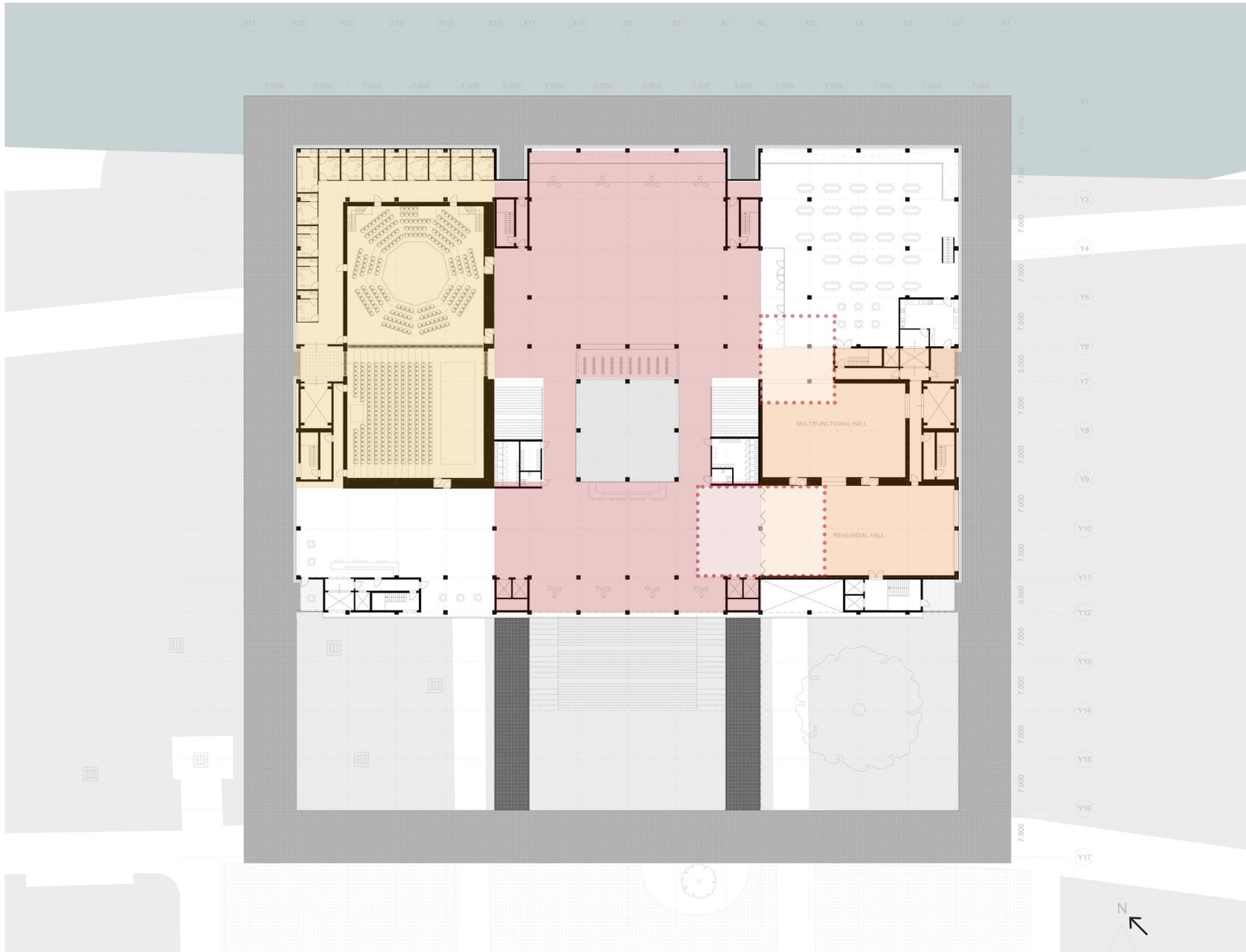
connecting shared space

FOYER

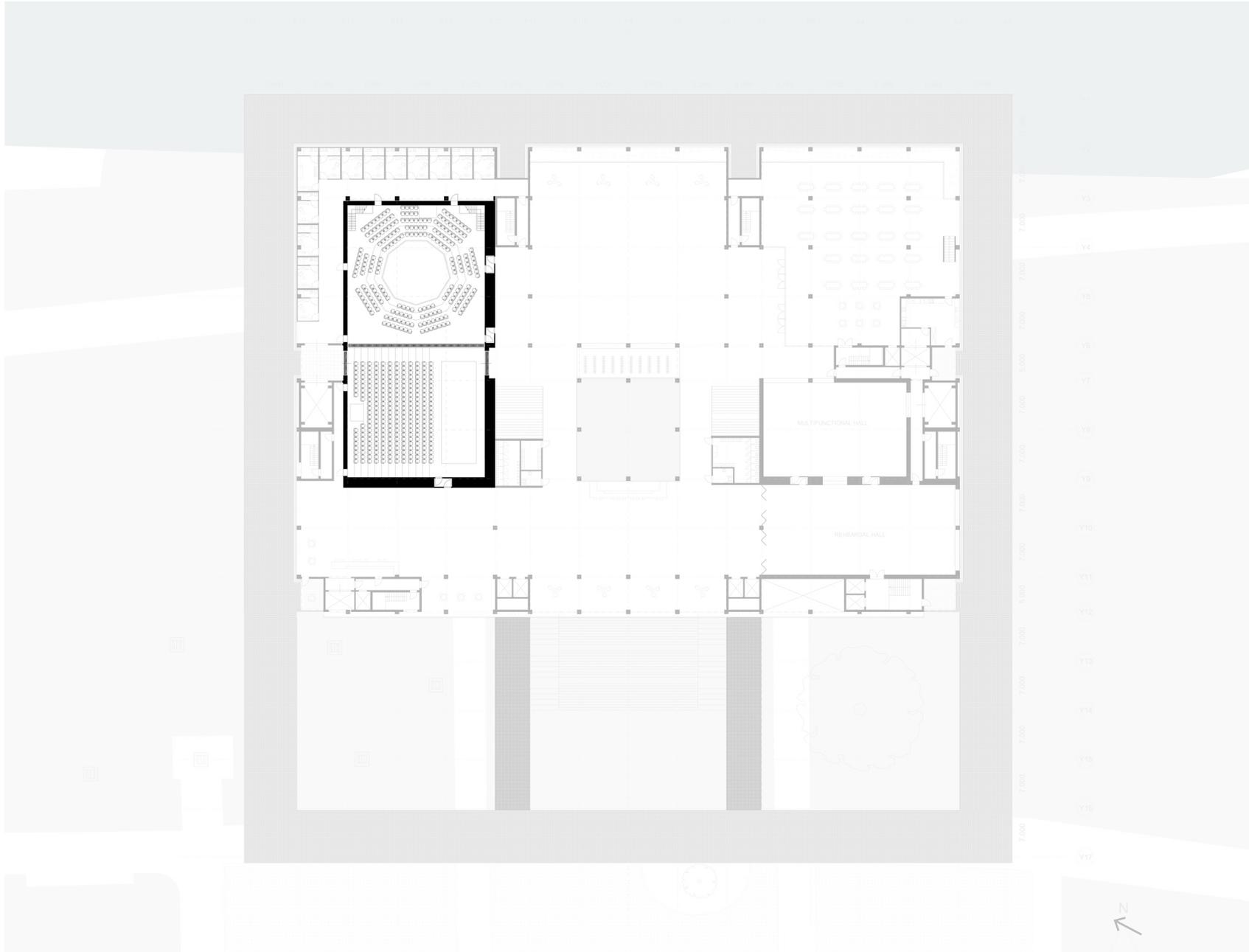


blurred boundaries

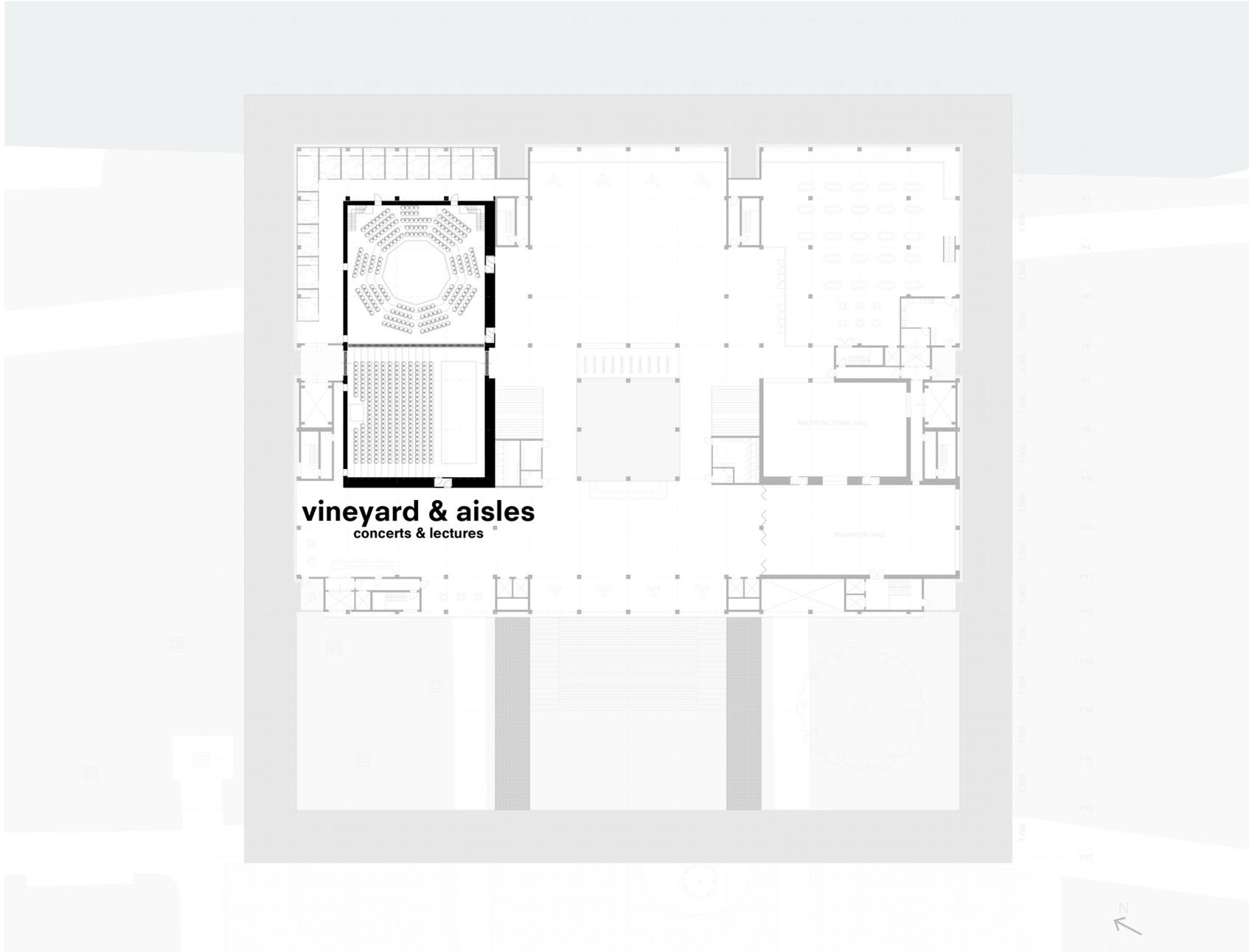
SECONDARY HALLS



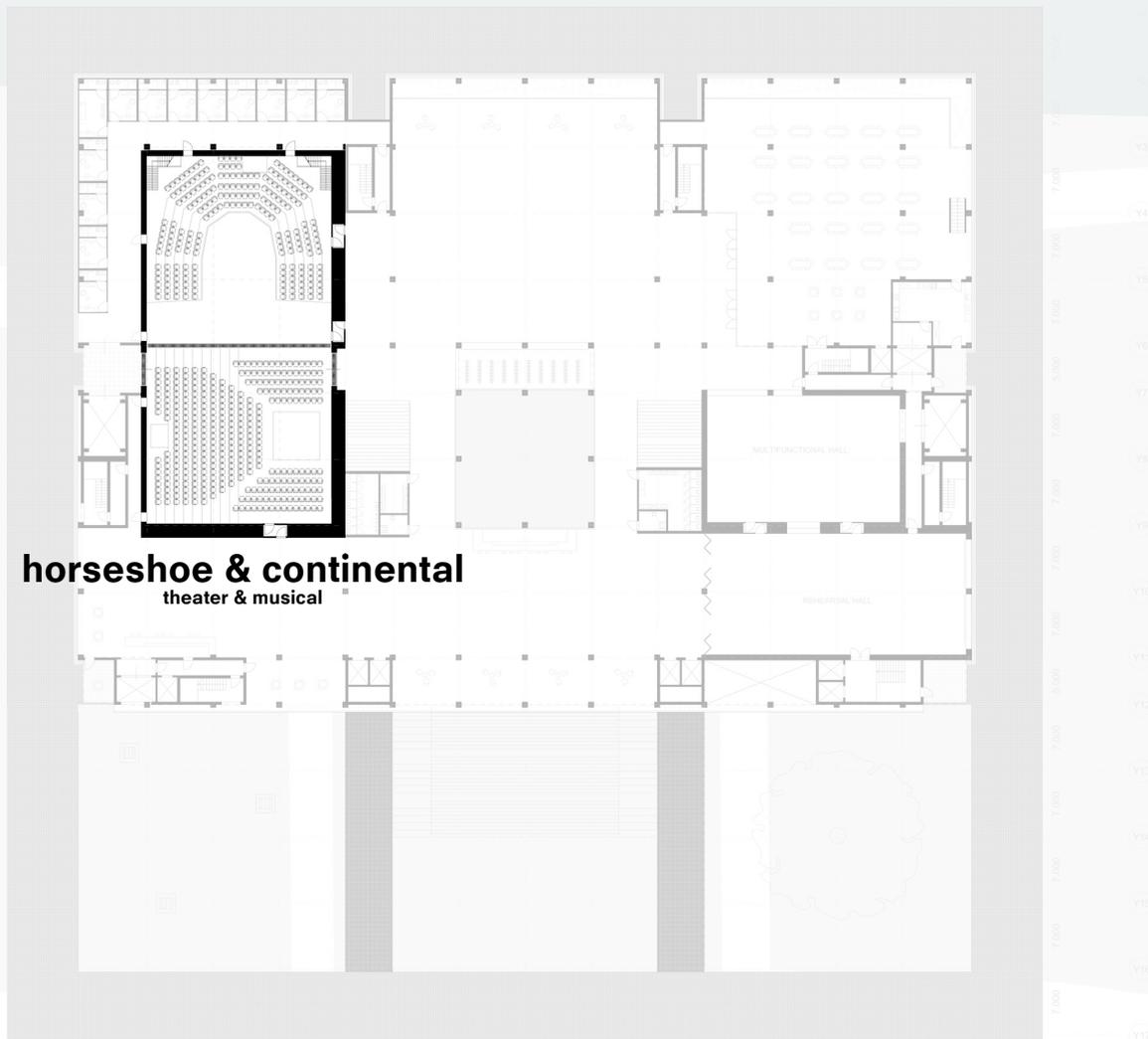
blurred boundaries
FLEX HALLS



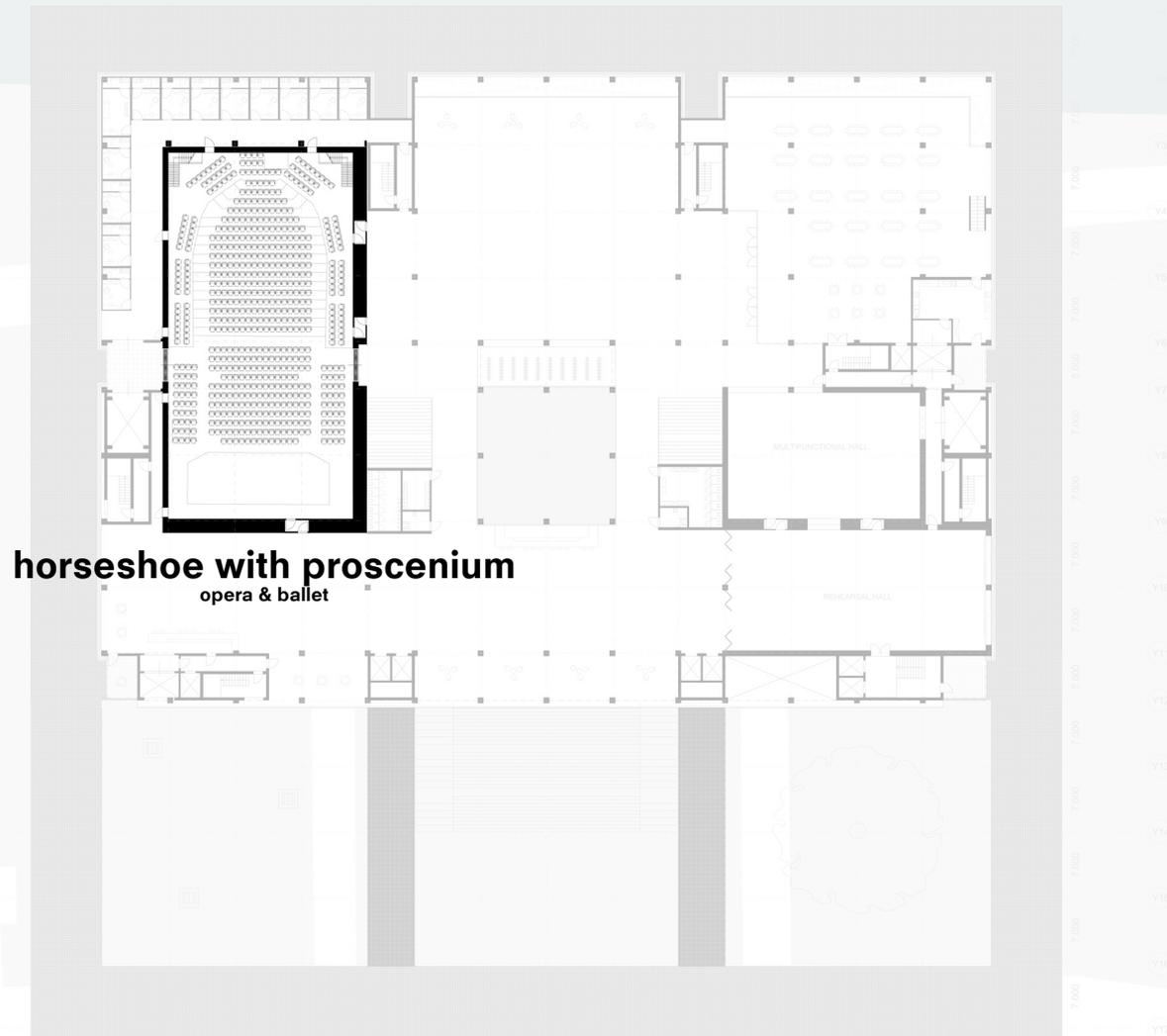
blurred boundaries
FLEX HALLS



blurred boundaries
FLEX HALLS



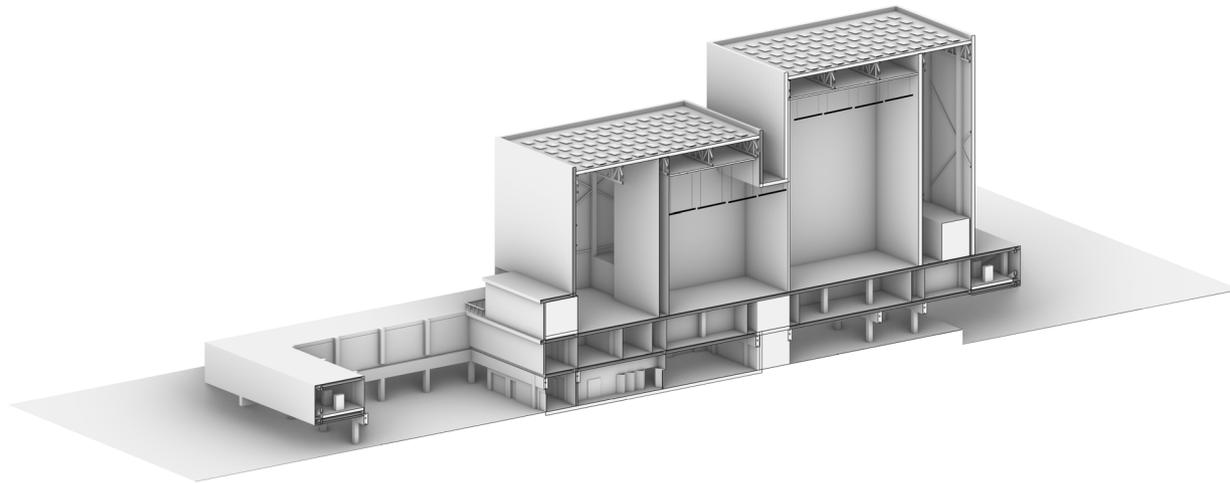
blurred boundaries
FLEX HALLS



horseshoe with proscenium
opera & ballet

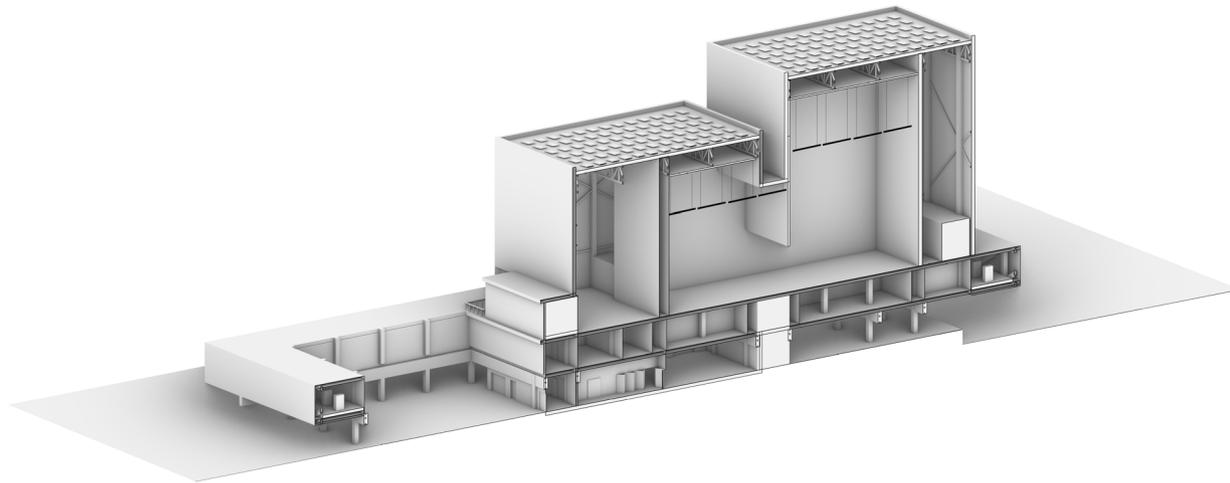
guillotine wall & lowering sound panels

FLEX HALLS



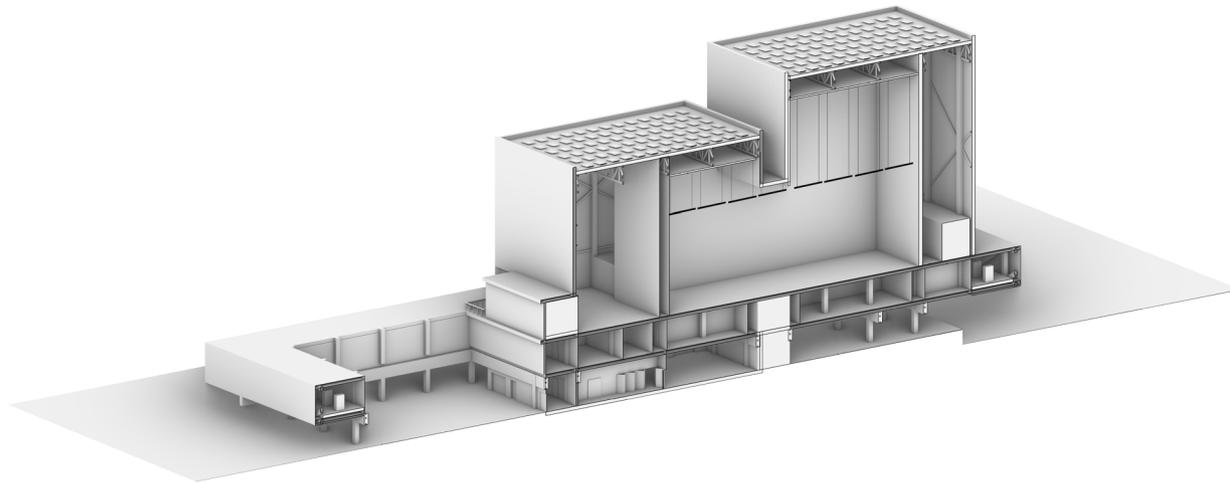
guillotine wall & lowering sound panels

FLEX HALLS



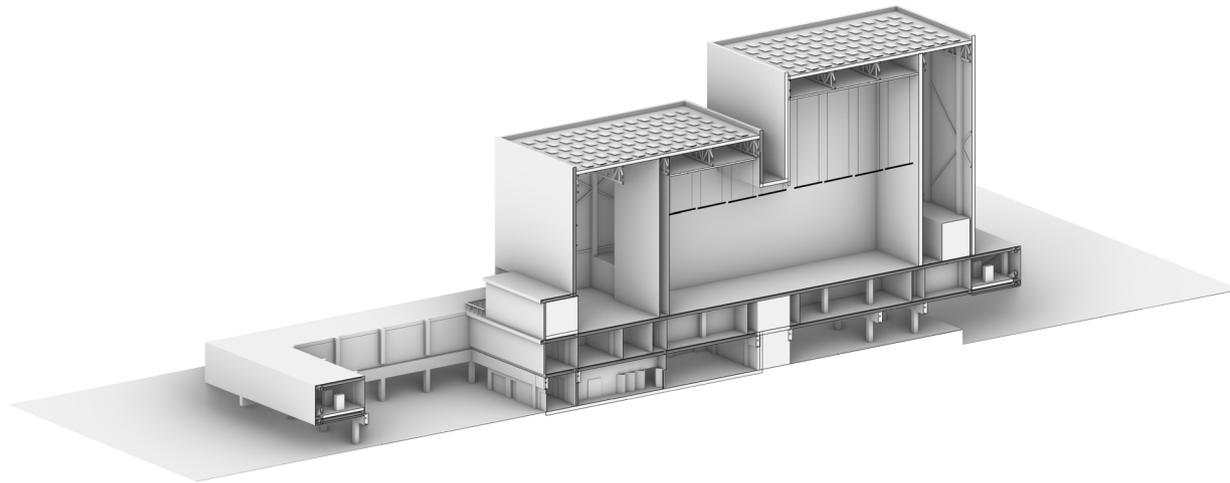
guillotine wall & lowering sound panels

FLEX HALLS



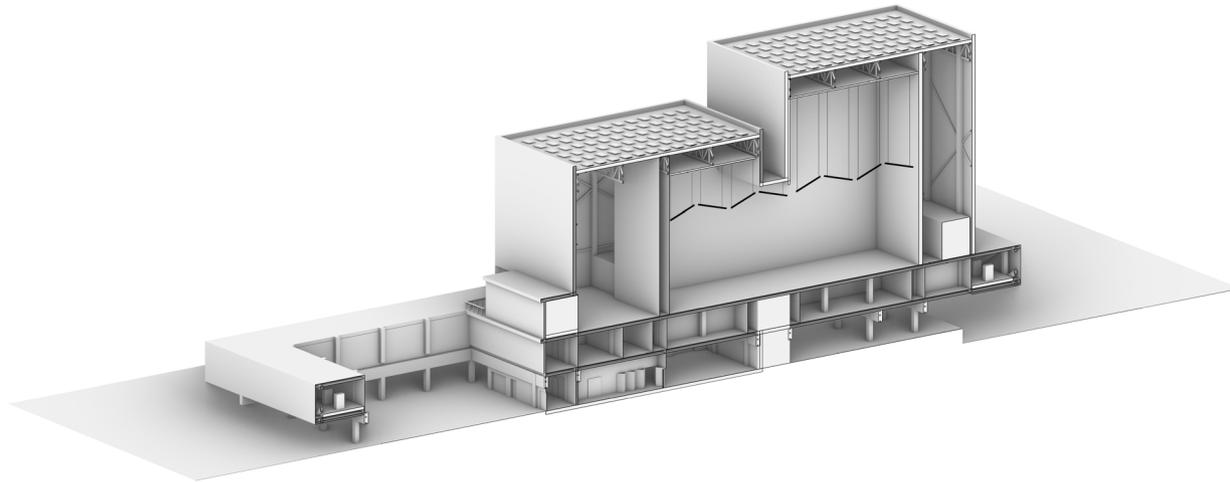
guillotine wall & lowering sound panels

FLEX HALLS

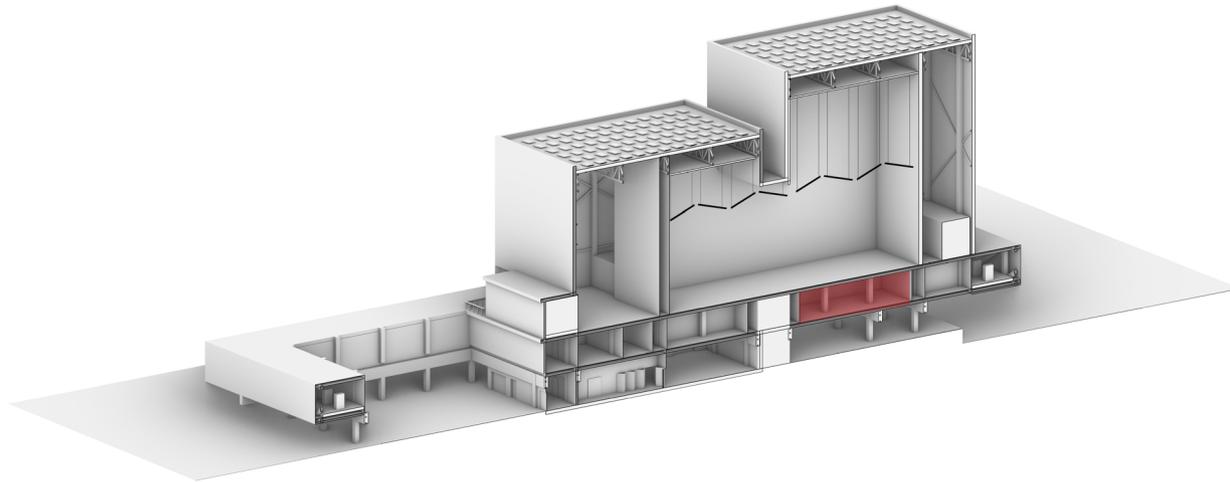


guillotine wall & lowering sound panels

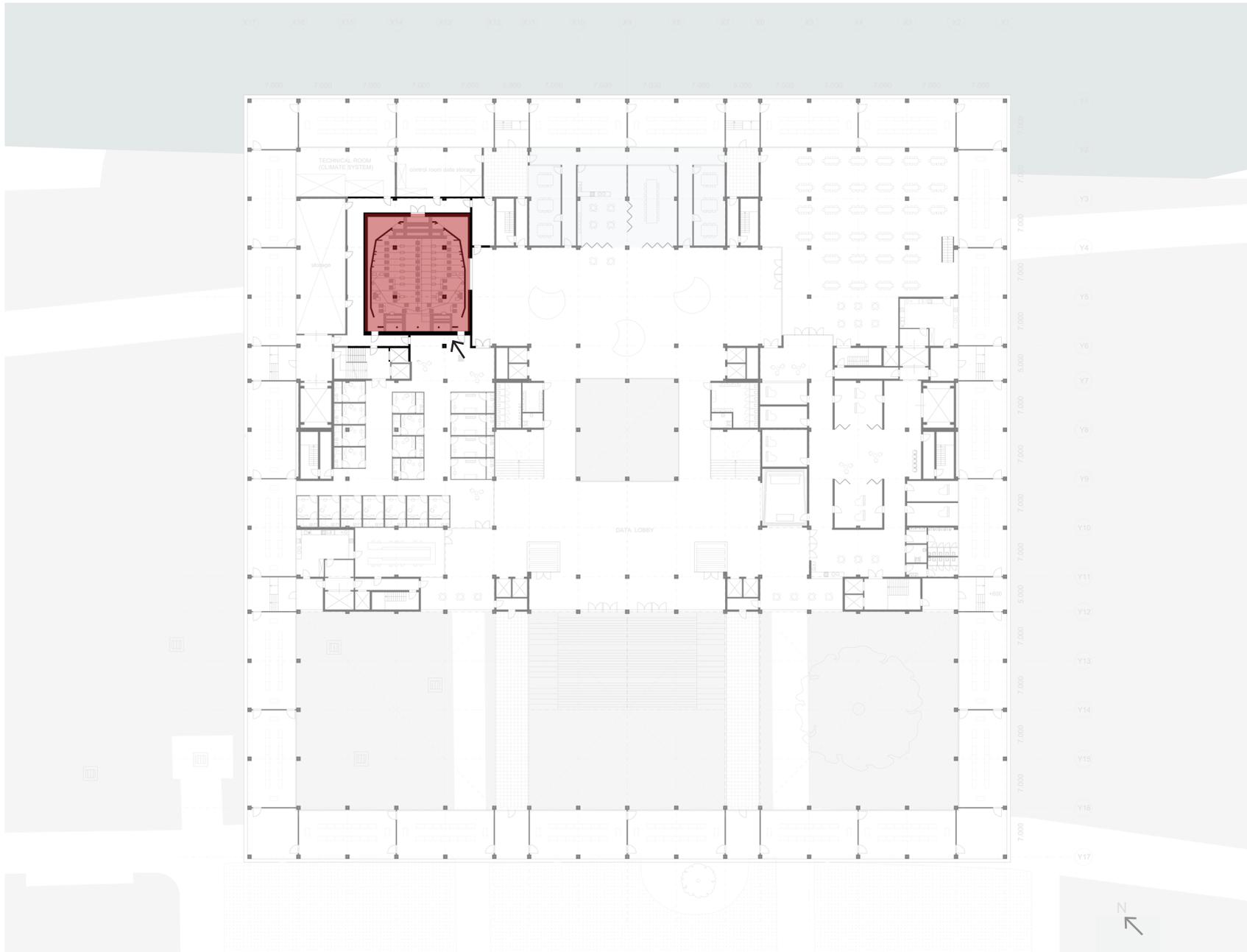
FLEX HALLS



automated trap
FLEX HALLS



automated trap
FLEX HALLS



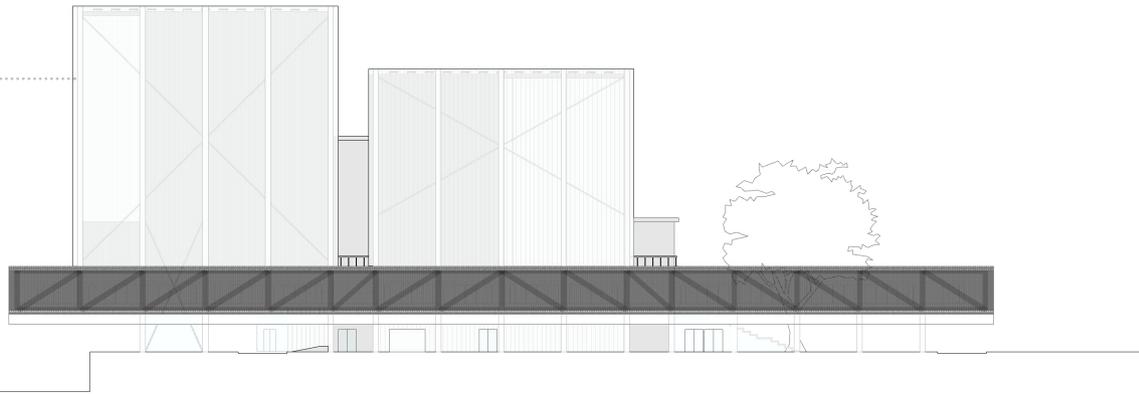
automated trap

GALA LIFTS

transparent facade
BOX IN BOX



polycarbonate

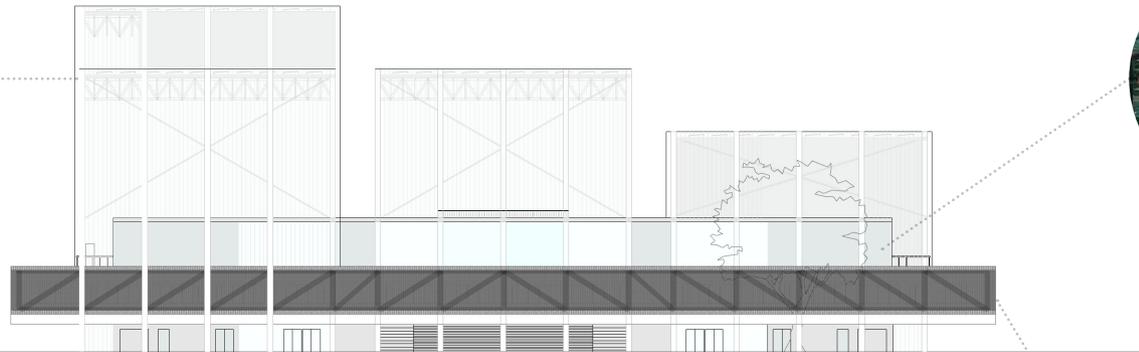


connecting public space

HORIZONTAL CONNECTION



polycarbonate



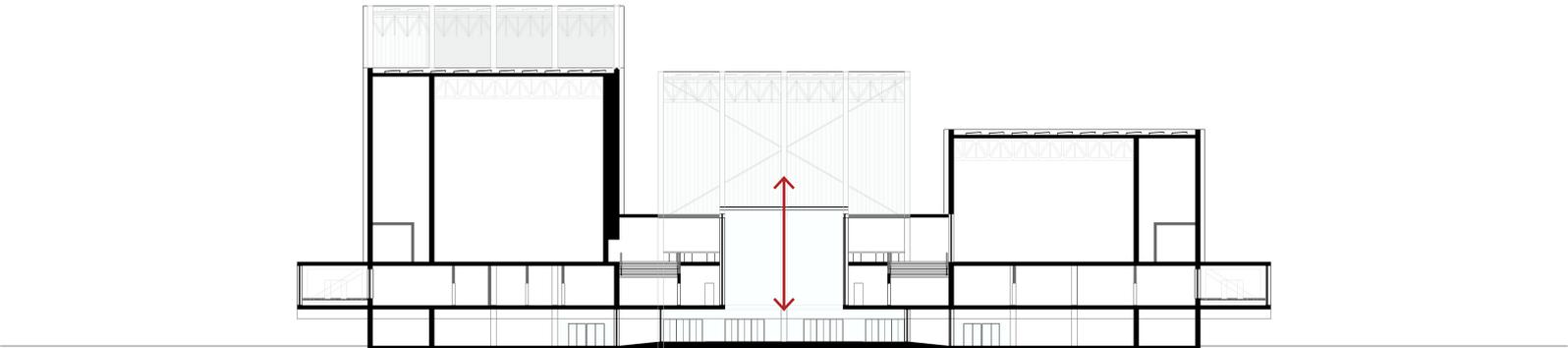
glass



Led screen

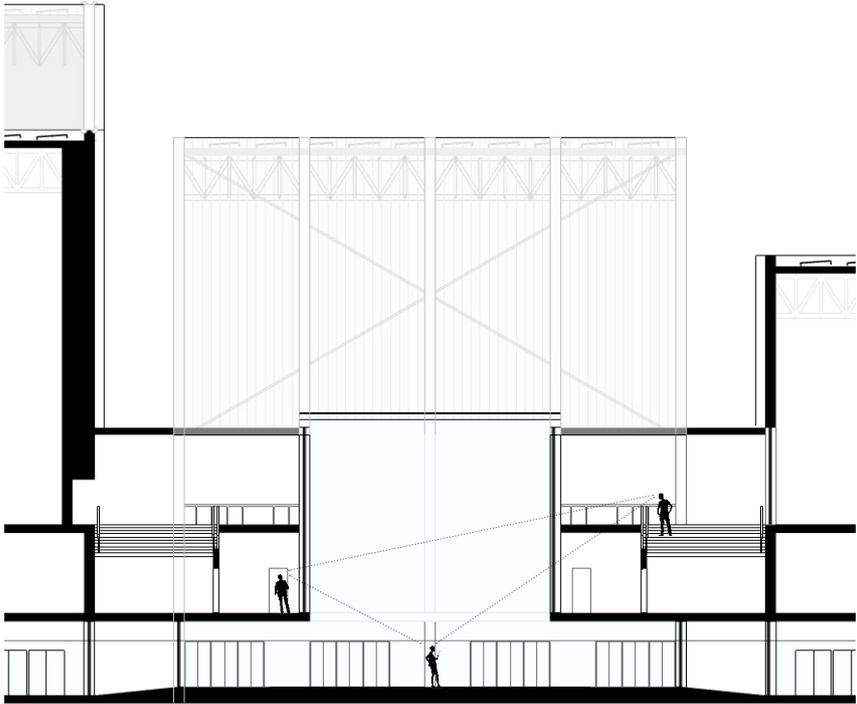
open plint

VERTICAL CONNECTION



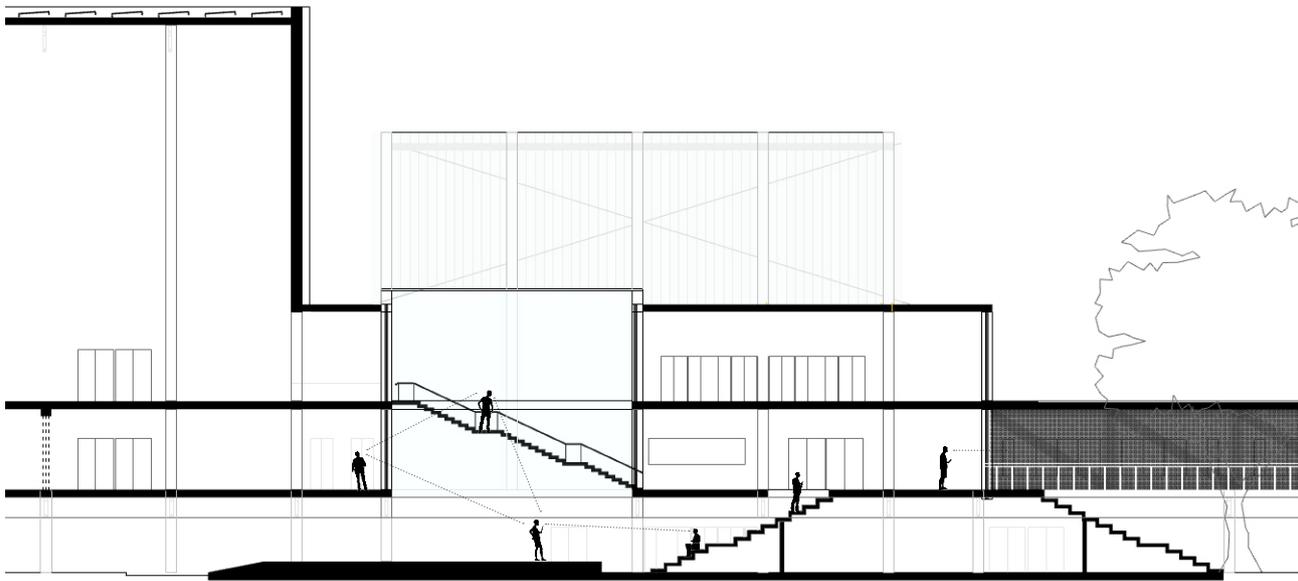
open plint

VERTICAL CONNECTION



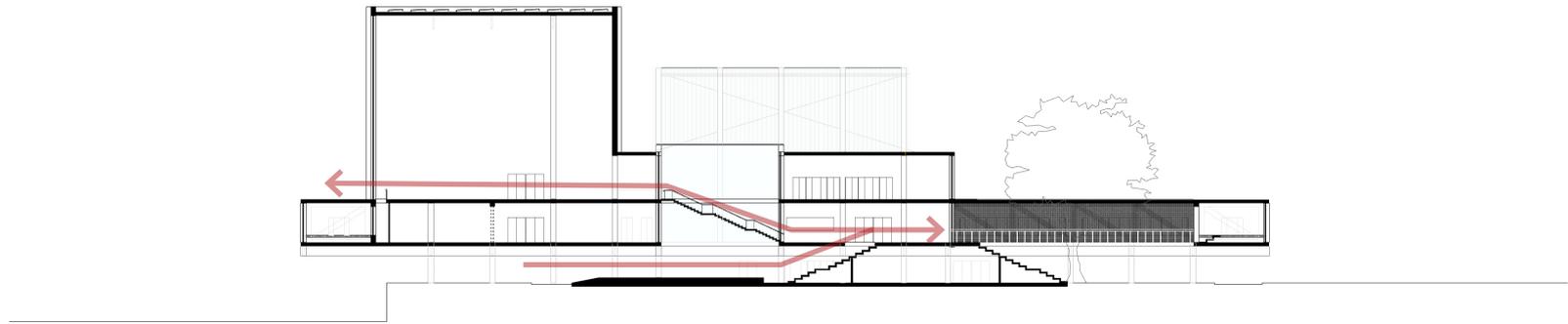
open plint

VERTICAL CONNECTION



connecting public space

ROUTING

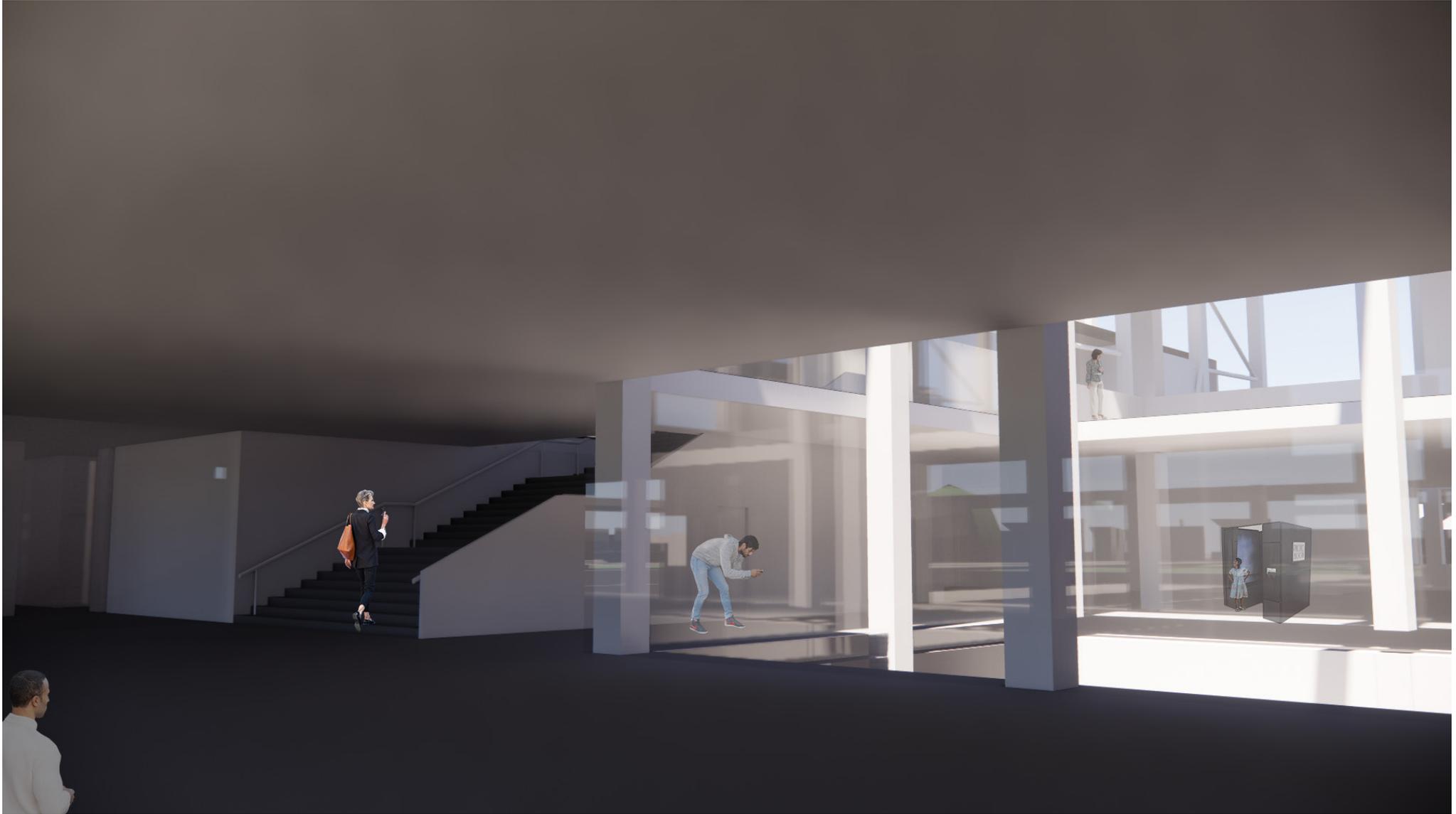


ground floor

CO-CREATION SPACE



level 1
DATA LOBBY



level 2
FOYER



introduction

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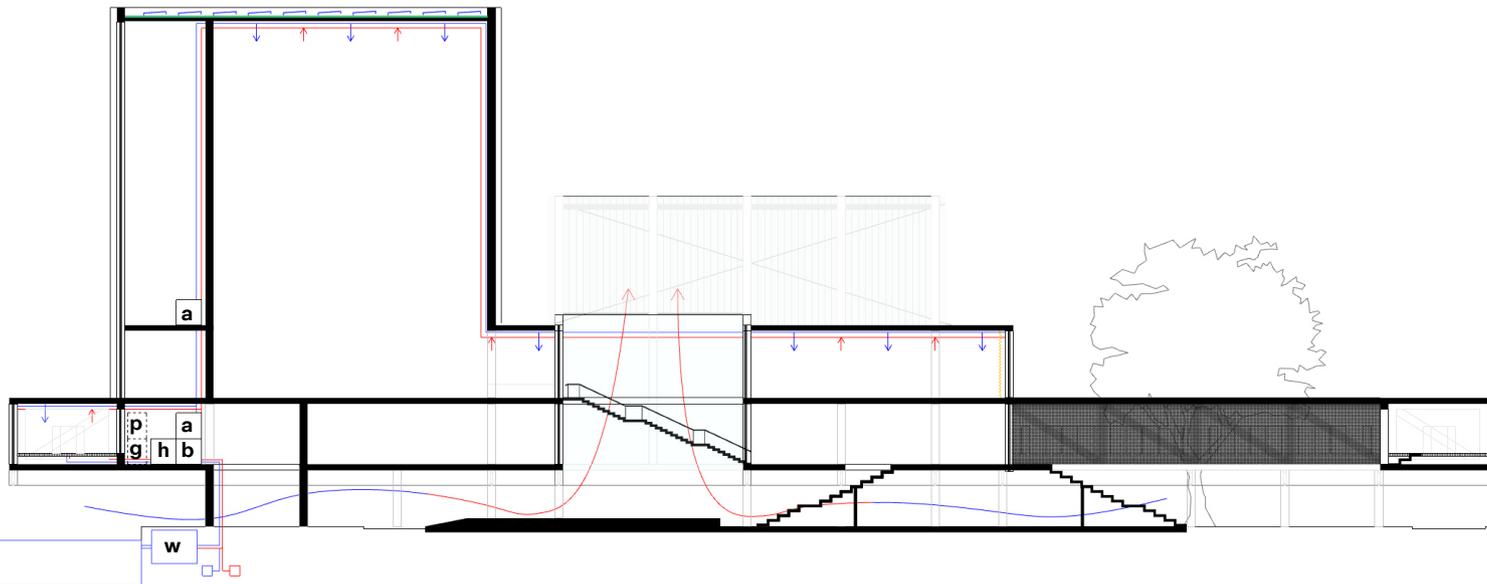
concept

implementation

development

conclusion

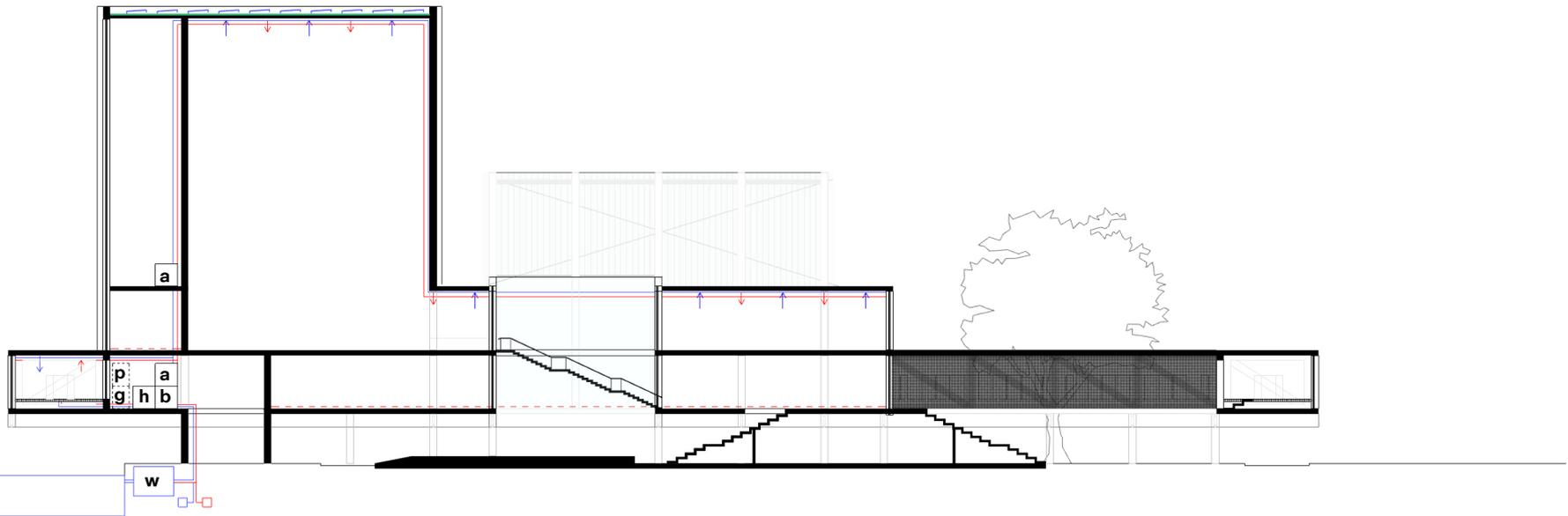
CLIMATE SUMMER



a - air handling unit
b - boiler
h - heat pump
w - water storage

p - data power plant
g - generator

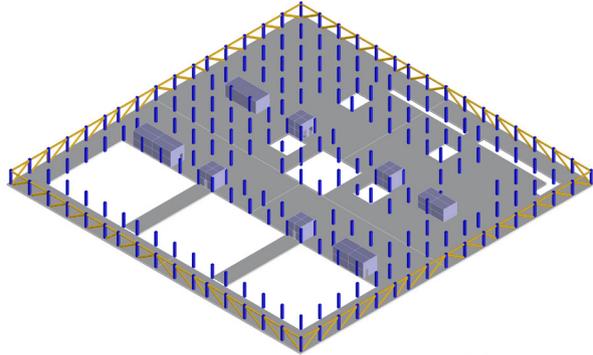
CLIMATE WINTER



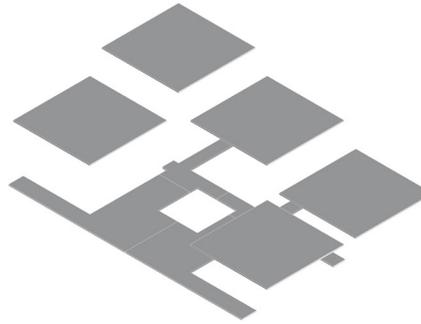
a - air handling unit
b - boiler
h - heat pump
w - water storage

p - data power plant
g - generator

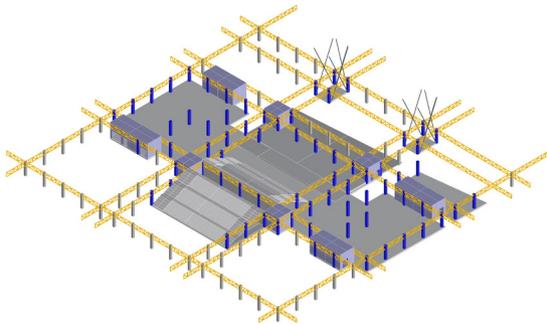
STRUCTURE



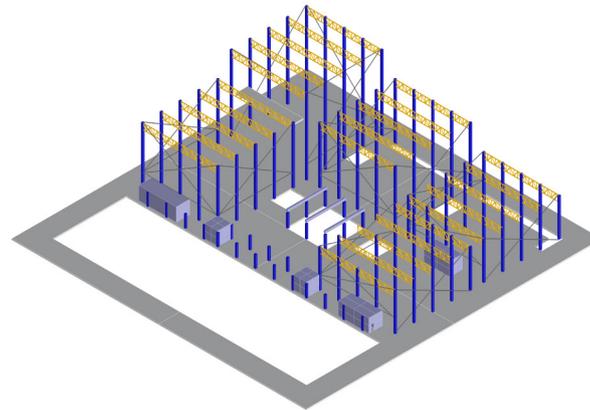
L1



Roof



L0

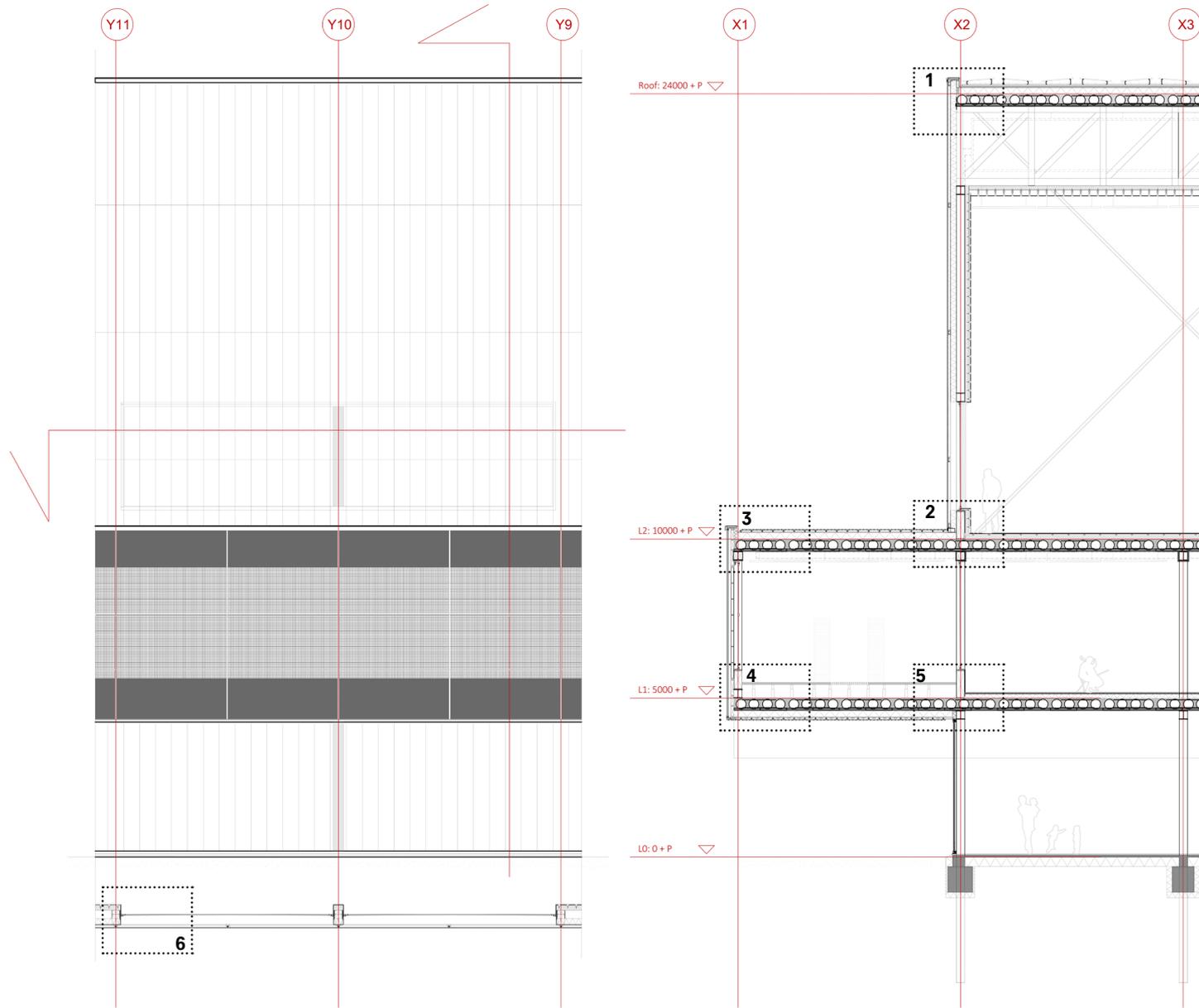


L2

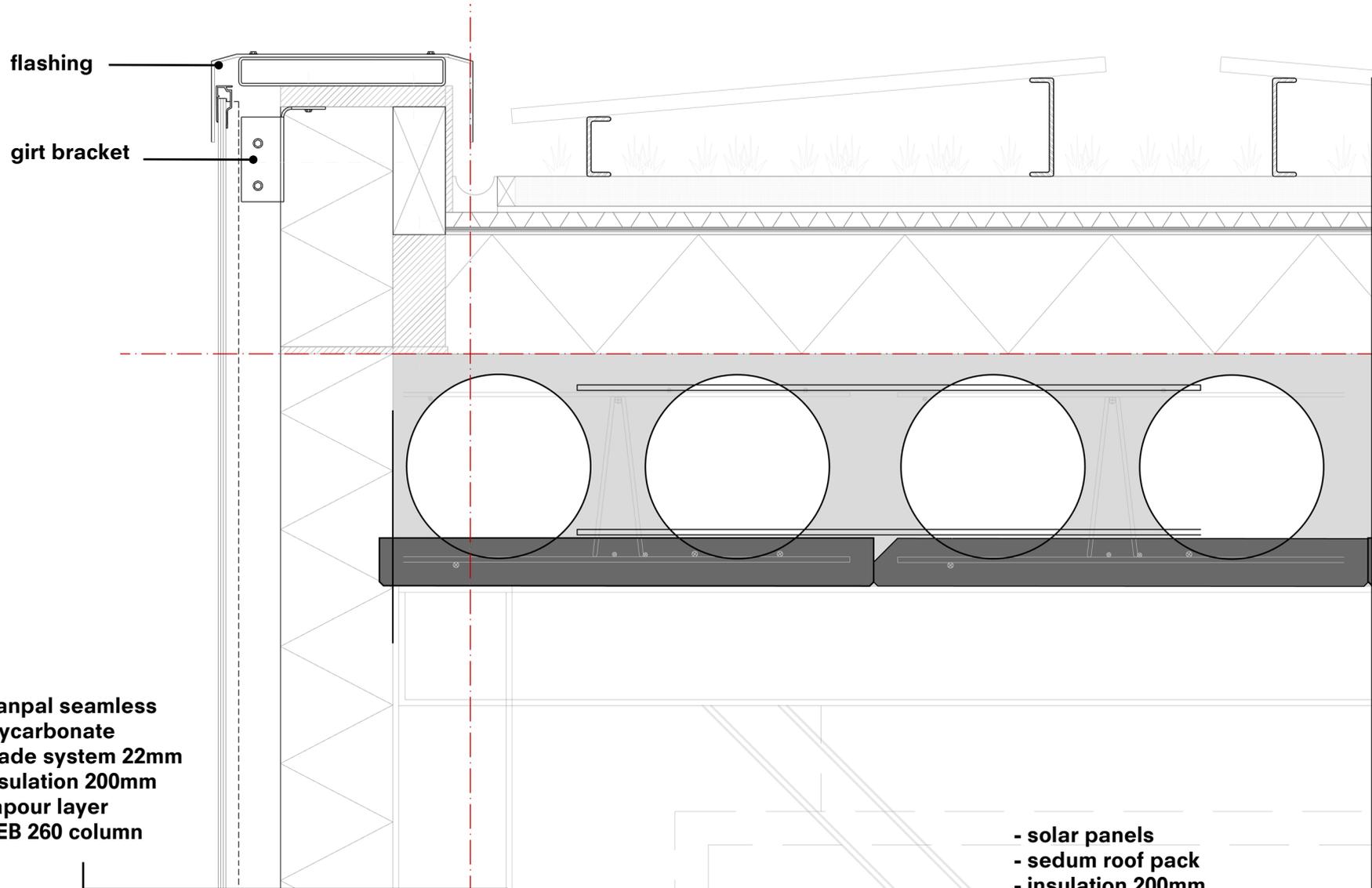
- concrete stability cores
- bubble deck 390mm
- steel truss
- HEB 260 column (inside)
- HEB 260 column (outside)
filled with poured concrete
- HEB 200 beam
- steel stability cross brace

1:20

ENVELOPE FRAGMENT



1:5
1-ROOF



flashing

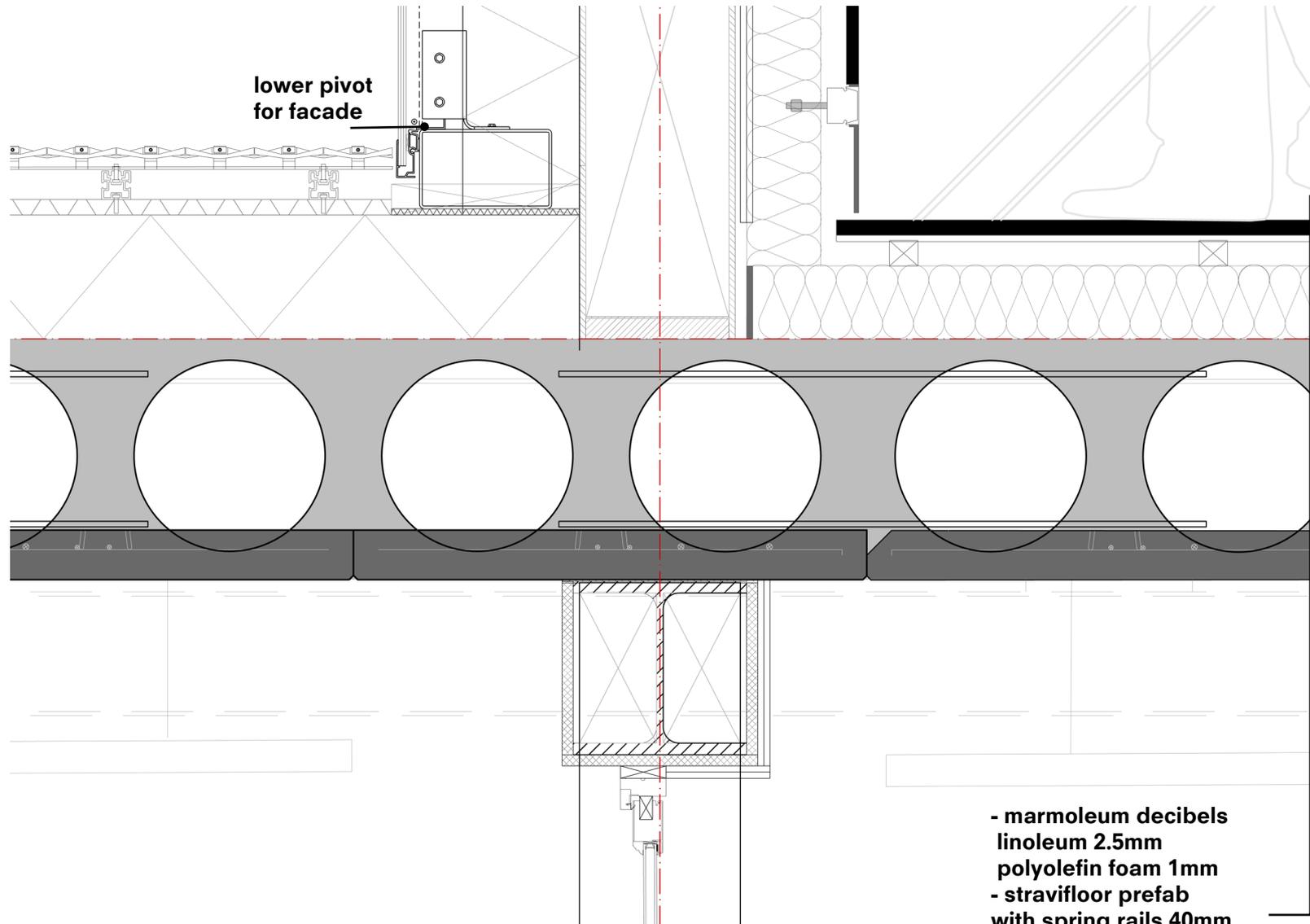
girt bracket

- Danpal seamless polycarbonate facade system 22mm
- insulation 200mm
- vapour layer
- HEB 260 column

- solar panels
- sedum roof pack
- insulation 200mm
- vapour layer
- bubble deck 390mm
- HEB 200 and HEB 255 truss 250mm
- ventilation duct 1600mm (hidden)
- suspended plasterboard ceiling 20mm (hidden)

1:5

2-REHEARSAL HALL

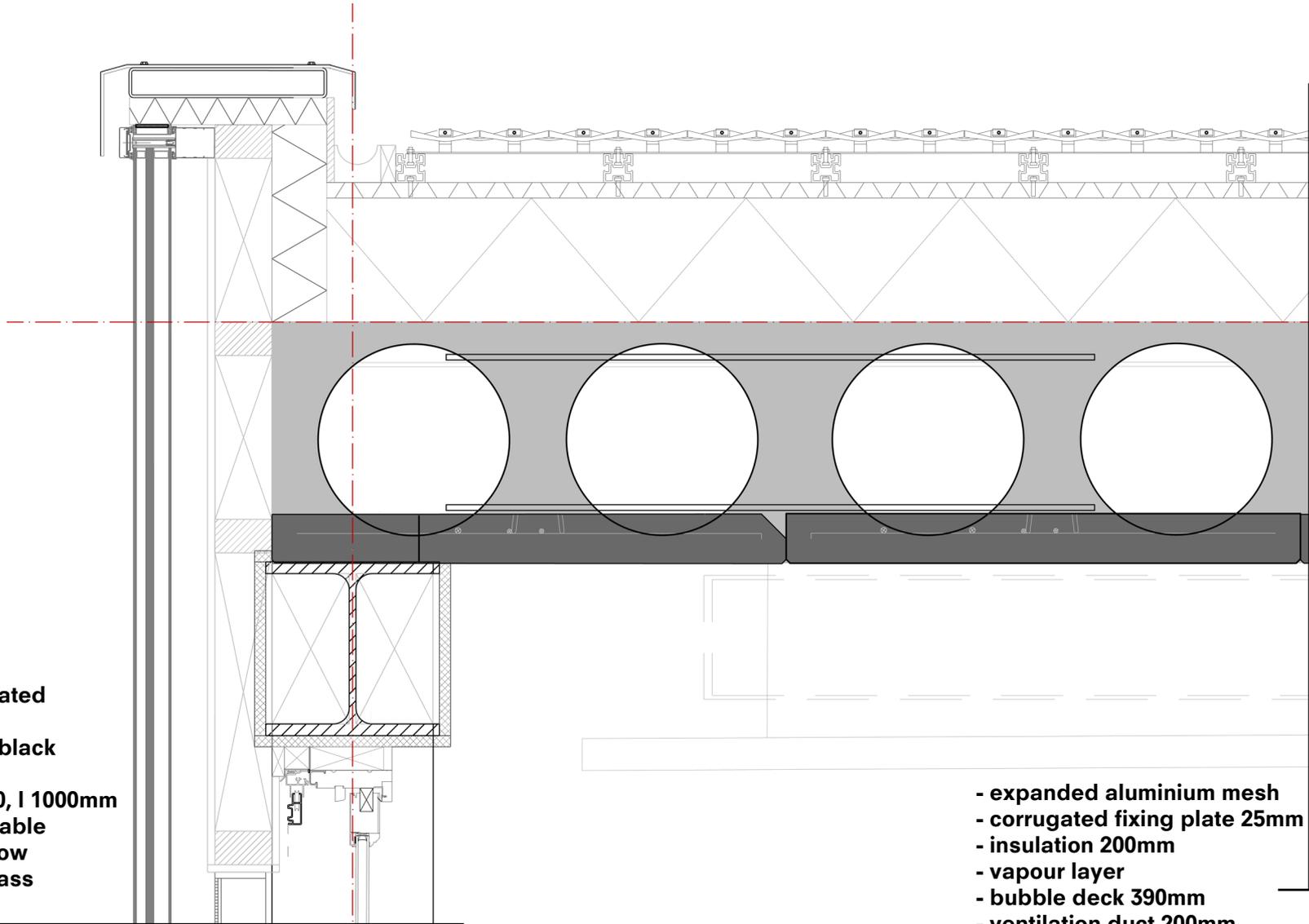


lower pivot
for facade

- marmoleum decibels
- linoleum 2.5mm
- polyolefin foam 1mm
- stravifloor prefab
with spring rails 40mm
- mineral wool 120mm
- bubble deck 390mm
- ventilation duct 200mm (hidden)
- suspended plasterboard ceiling
20mm (hidden)

1:5

3-DATA ROOF

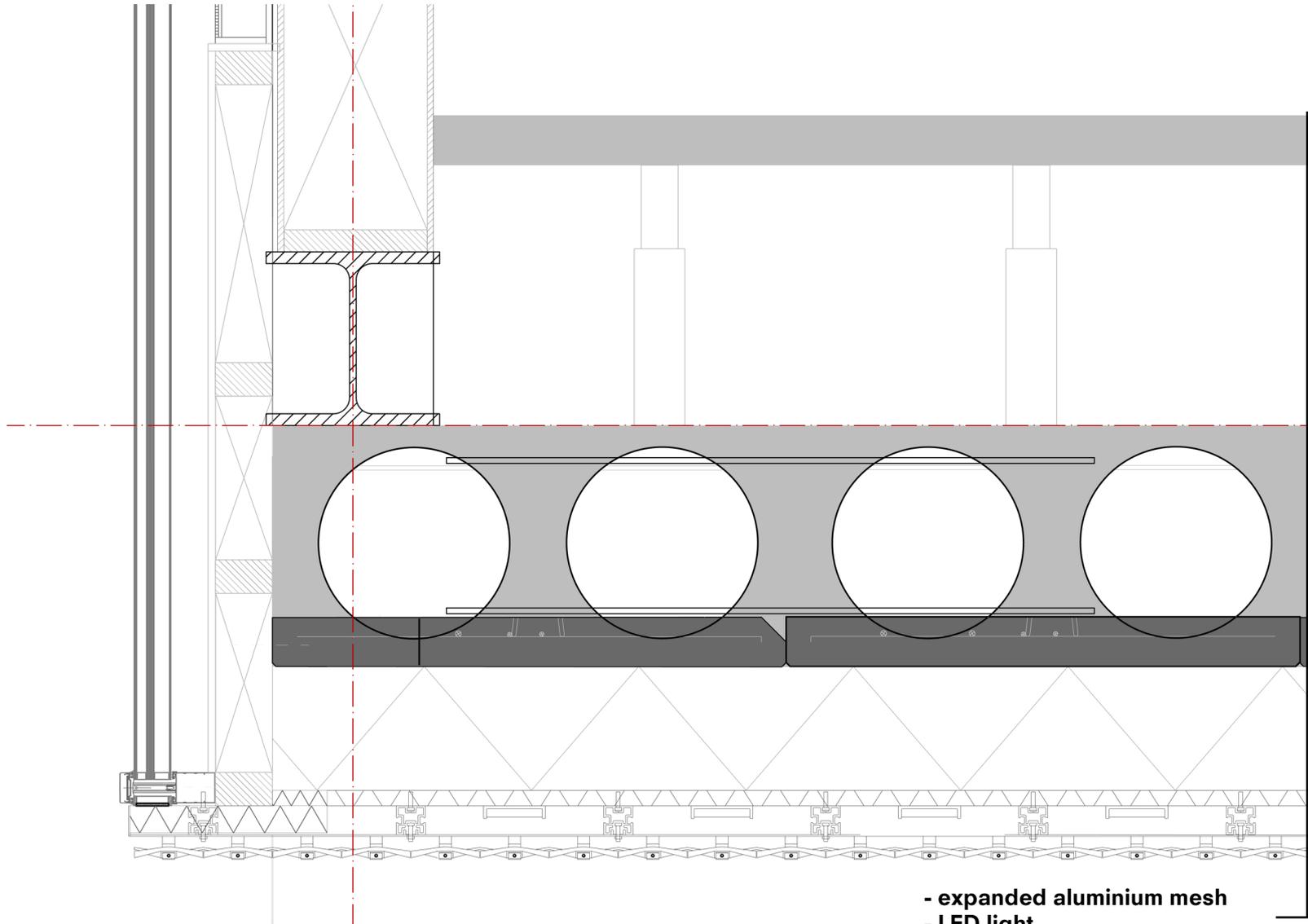


- Low Energy coated tripple glass
- Multiplex with black coverplate
- /Led panel h 500, l 1000mm
- vertically openable aluminium window with fire proof glass

- expanded aluminium mesh
- corrugated fixing plate 25mm
- insulation 200mm
- vapour layer
- bubble deck 390mm
- ventilation duct 200mm (hidden)
- suspended plasterboard ceiling 20mm (hidden)

1:5

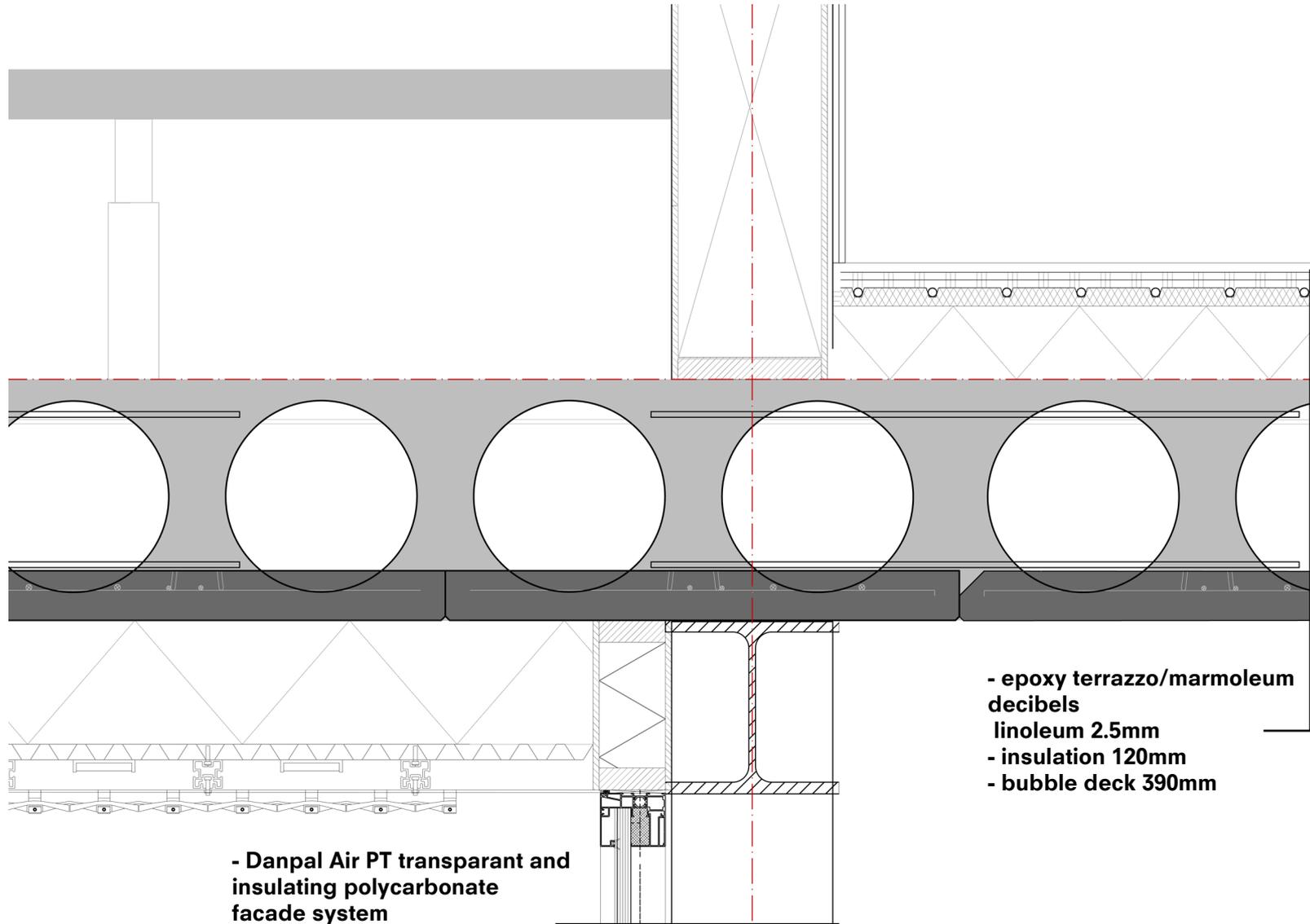
4-DATA FLOOR



- expanded aluminium mesh
- LED light
- corrugated fixing plate 25mm
- insulation 200mm
- vapour layer
- bubble deck 390mm
- elevated computer floor 500mm

1:5

5-MUSIC STUDIO & WORKSHOP

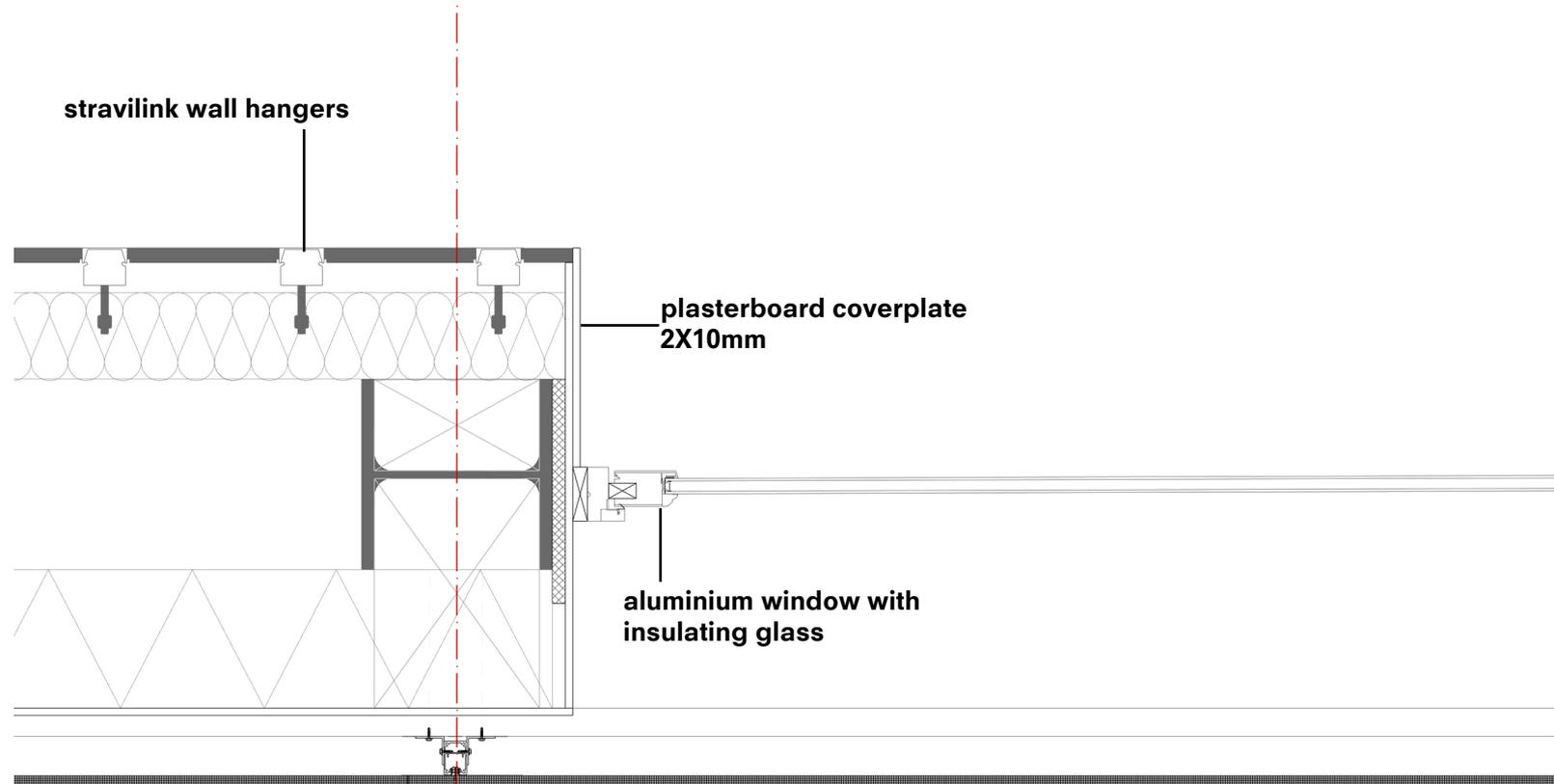


- Danpal Air PT transparent and insulating polycarbonate facade system
- HEB 260 insulated and fireproof column

- epoxy terrazzo/marmoleum
decibels
linoleum 2.5mm
- insulation 120mm
- bubble deck 390mm

1:5

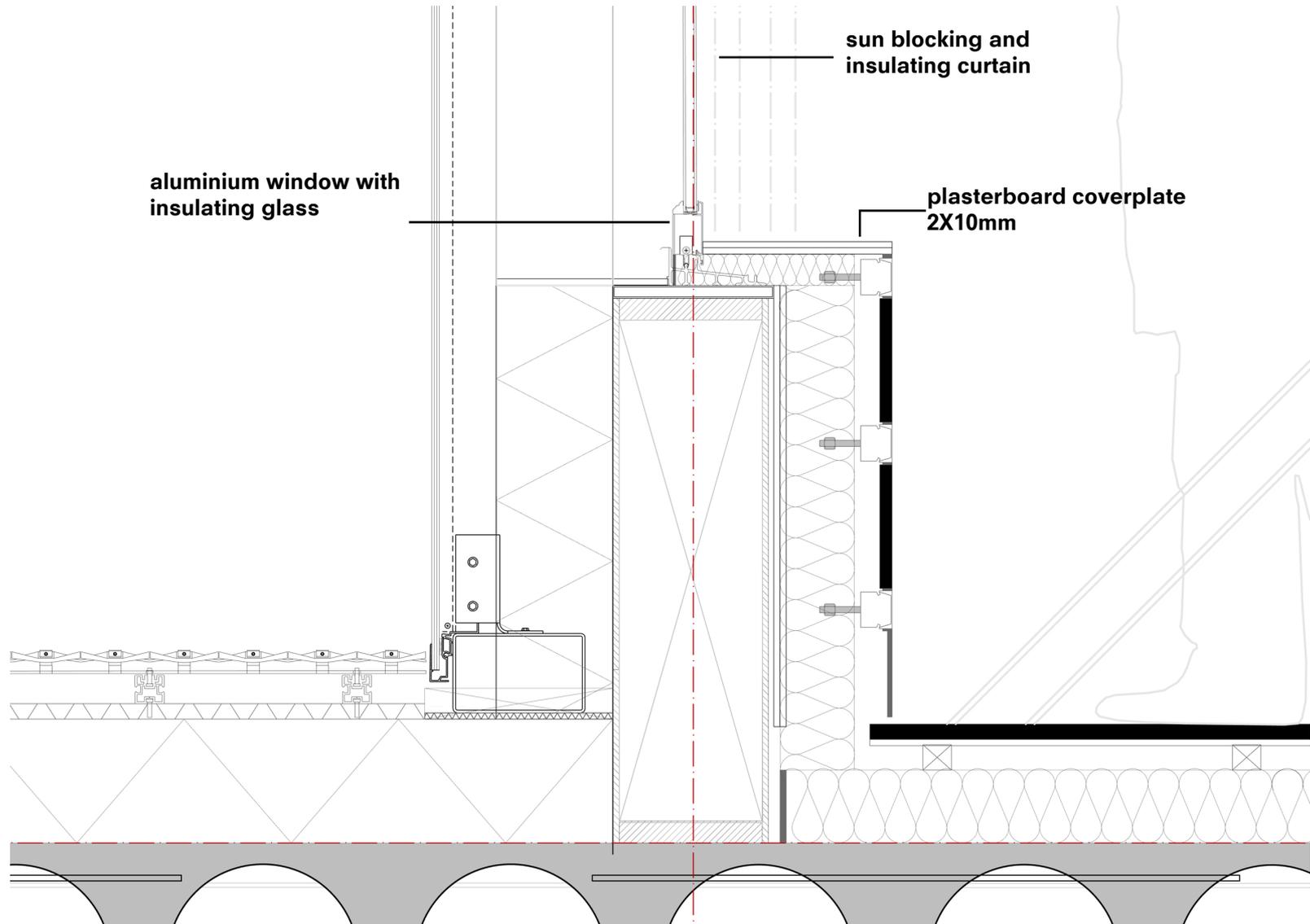
6-HORIZONTAL WINDOW



- Rockfon sonar wall panels
- mineral wool 120mm
- fireproofed HEB column
- vapour layer
- insulation 200mm
- Danpal seamless polycarbonate facade system 22mm

1:5

6-VERTICAL WINDOW



introduction

research

design brief

concept

implementation

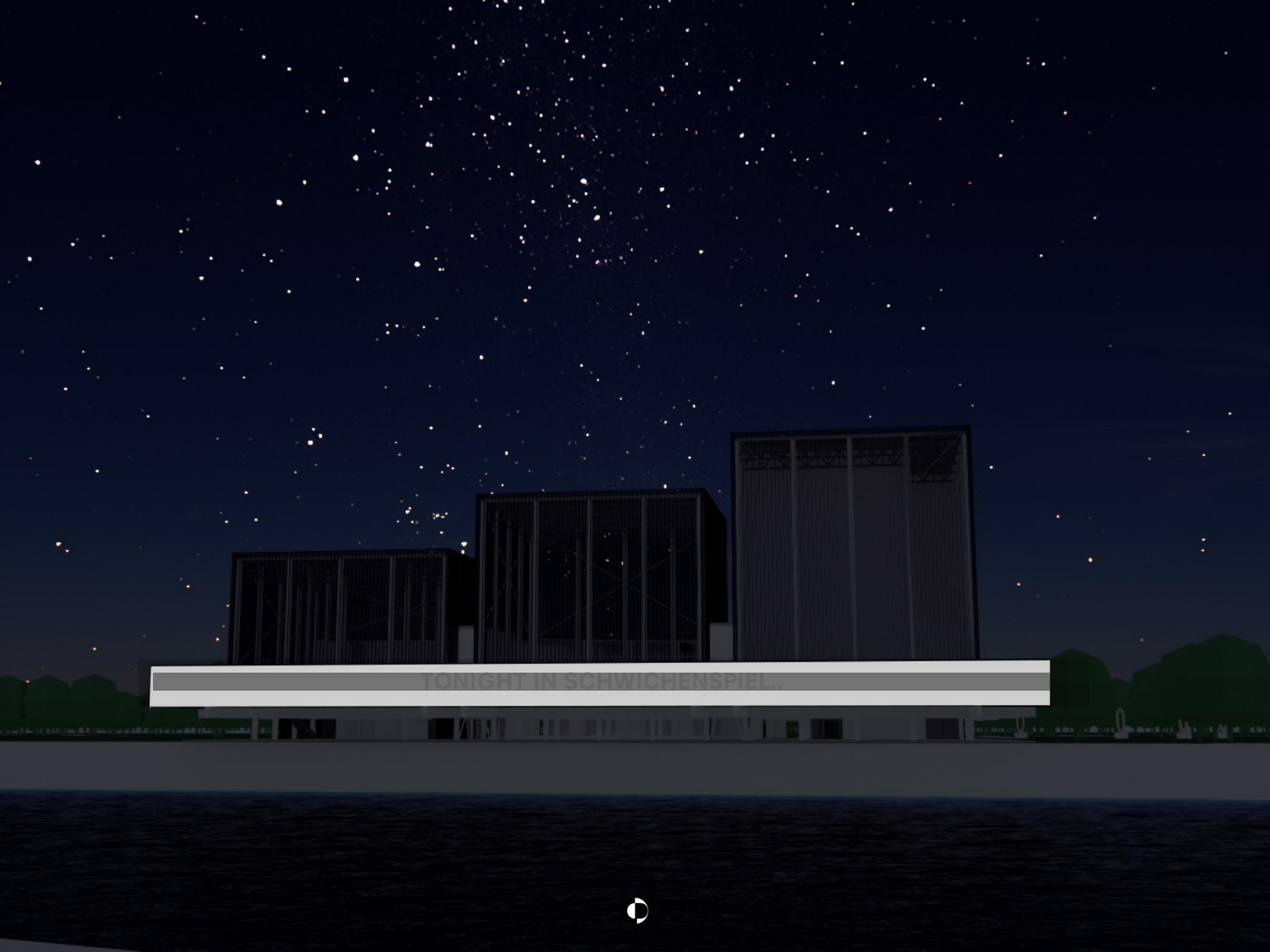
development

conclusion

REFLECTION

**How can Berlin offer an innovative space
for production & display of performing arts
which stimulates data-driven co-creation ?**





TONIGHT IN SCHWICHENSPIEL.



THANK YOU!

