B!NCKPARK: Music Factory

AR3AP100 Public Building Graduation Studio
2021-22
Music Marvel | Music & Popular Culture Re-Wired

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5286786

Research topic

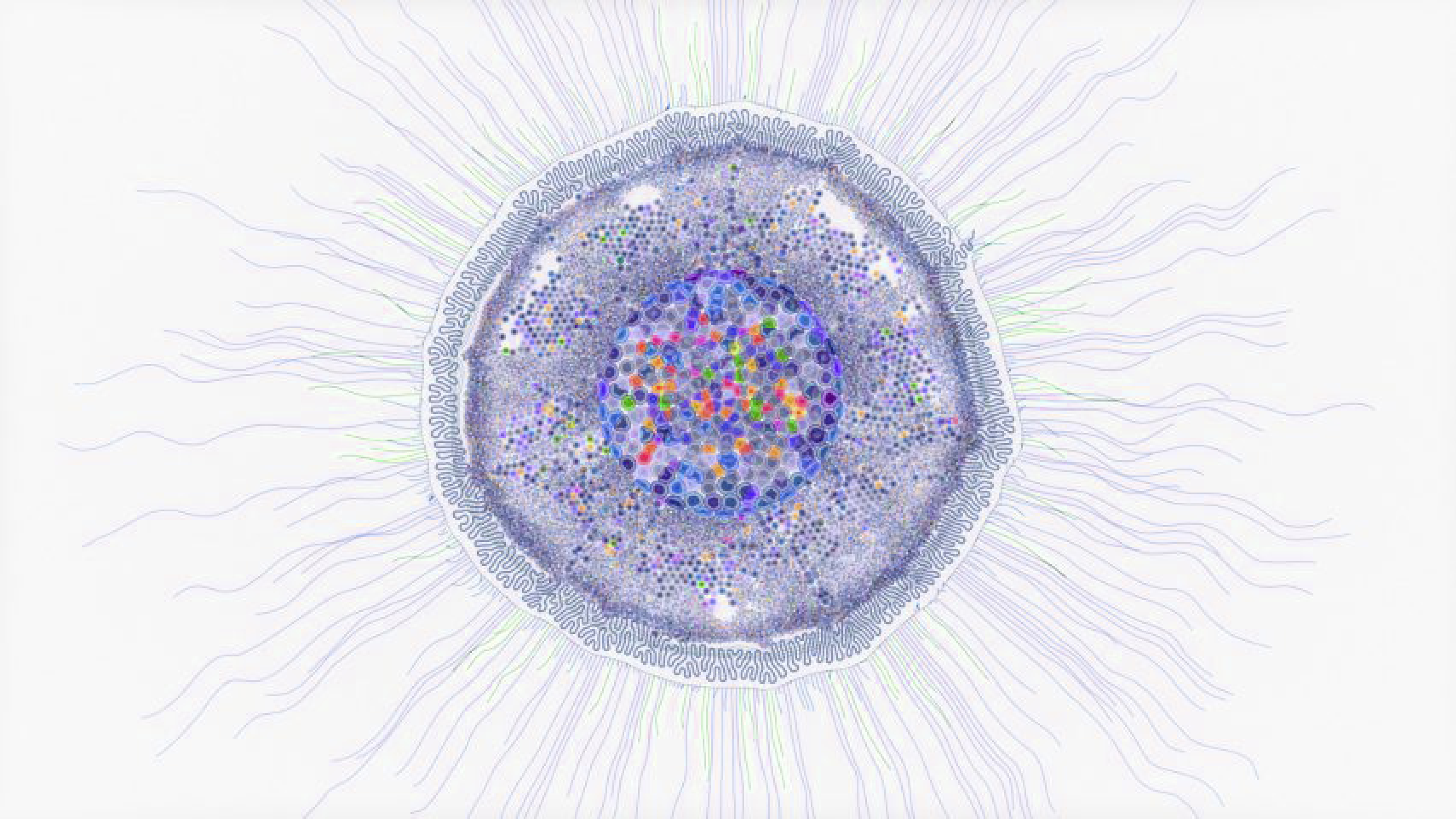
Starting points:Research takeaways

Starting points:Site research takeaways

Starting points:Case study takeaways

Site:Binckhaven

Final Design



change

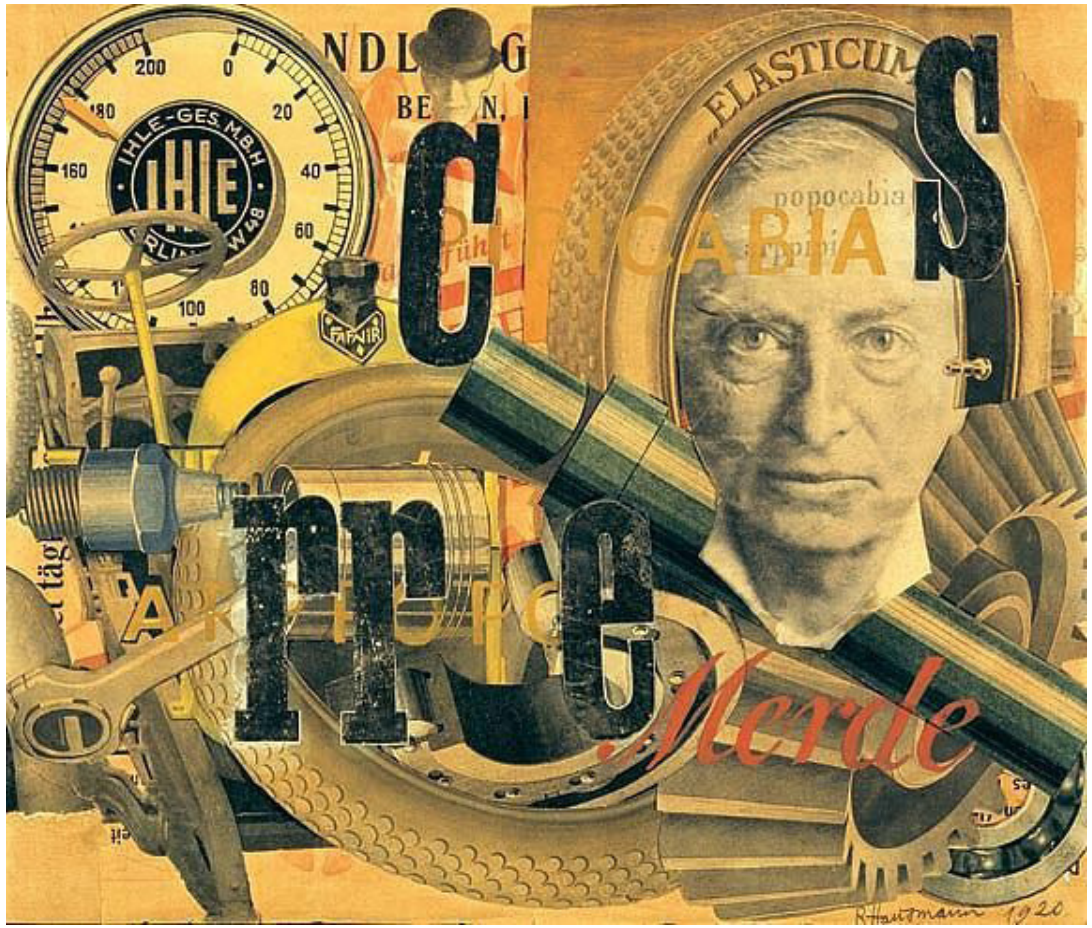
transformations

uncetainity

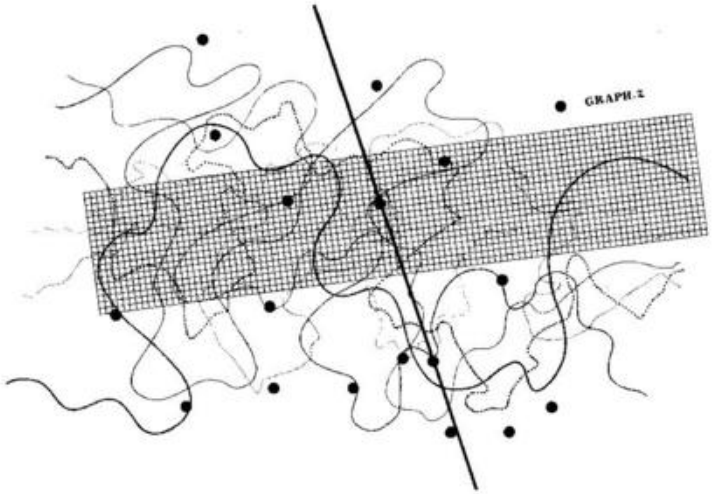
unexpected

indeterminacy

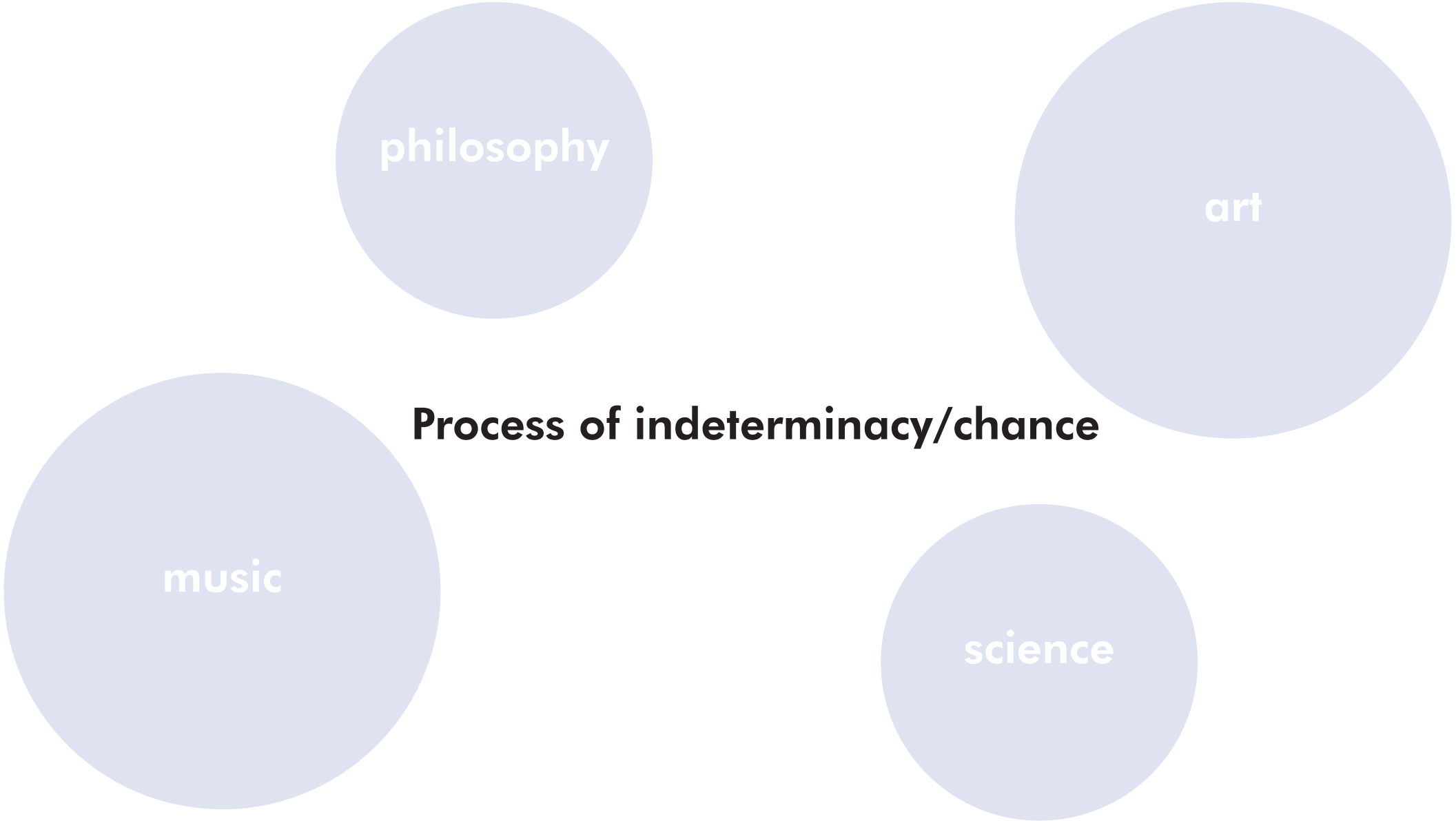
chance



Raoul Hausmann,1920,Elasticum



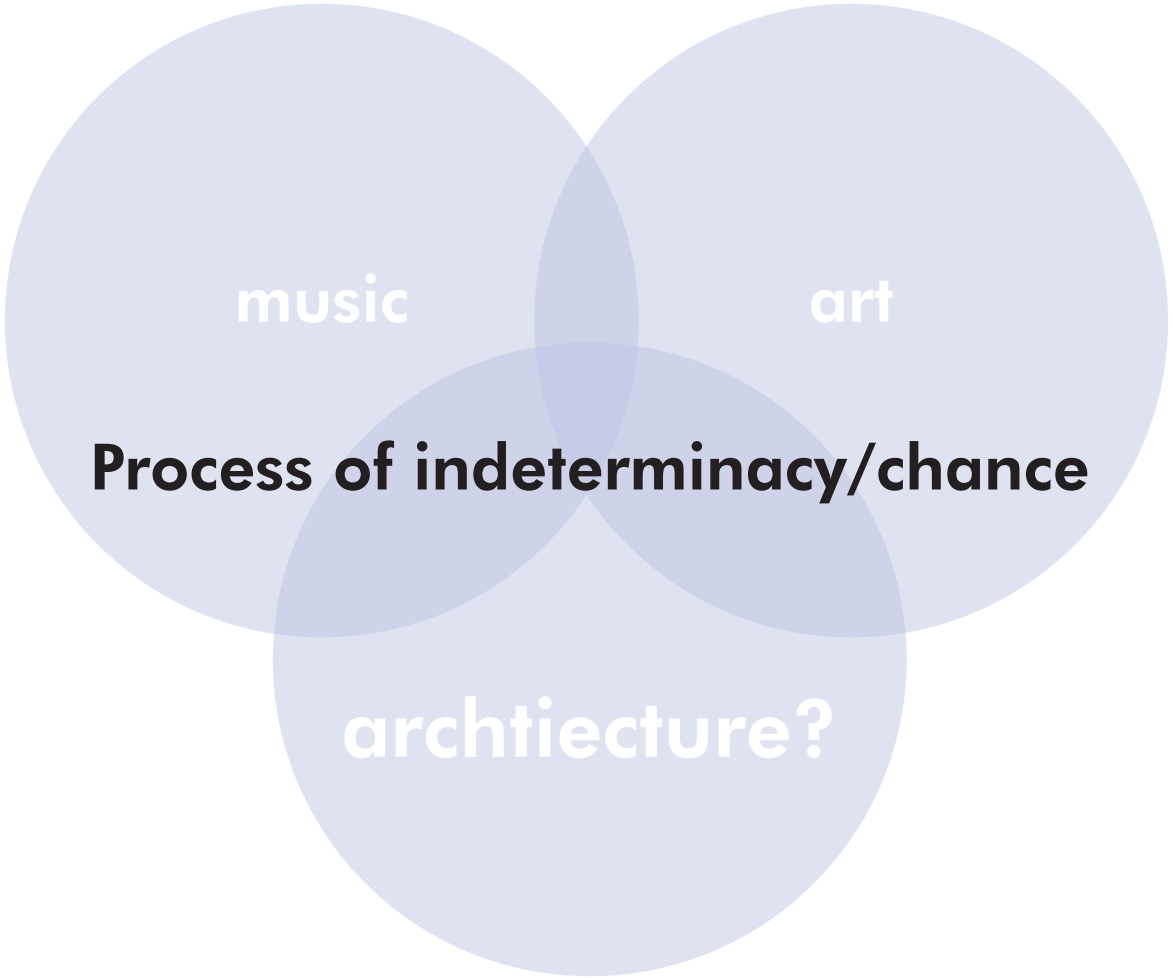
John Cage,1958,Fontana mix


philosophy
art
Process of indeterminacy/chance
music
science

Process of indeterminacy/chance

archtiecture?

How can architecture integrate the process of indeterminacy in its program and allow unexpected uses?

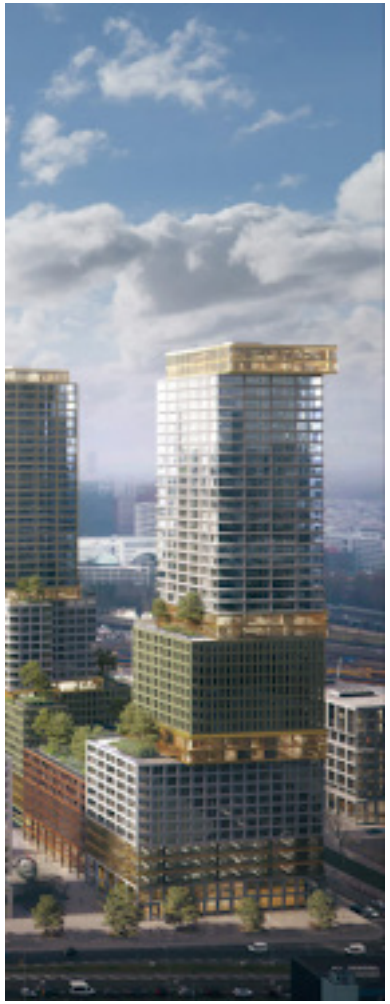

music
art
Process of indeterminacy/chance
archtiecture?

starting points

Process of indeterminacy/chance

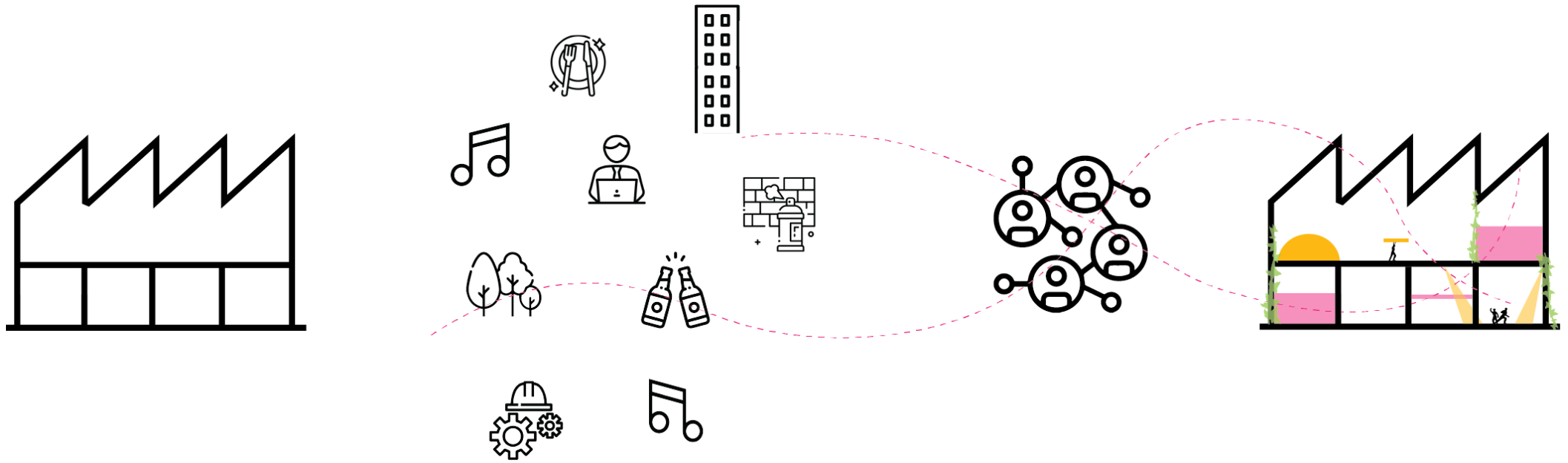
Binckhorst

MORE
STREET



Constructing toolbox:

Site analysis:current situation oppurtunities



existing structures
flexibility in use
transformative quaities

diversity of people
diversity of activities

materiality
raw and authentic

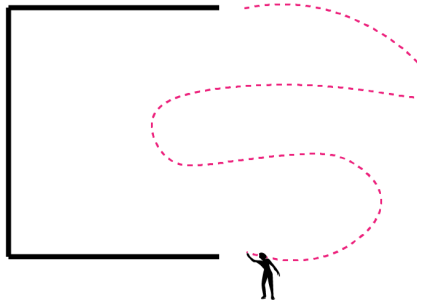
Constructing toolbox:

What can be done?

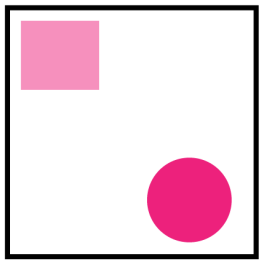
Constructing toolbox:

research takeaways:music,art,architecture

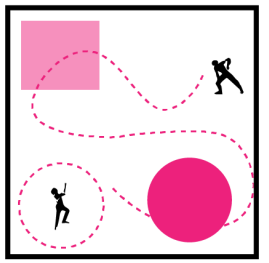
being open



participation



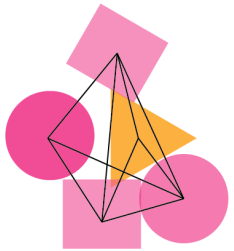
programmed space/
non-programmed space



programmed space/
non-programmed space

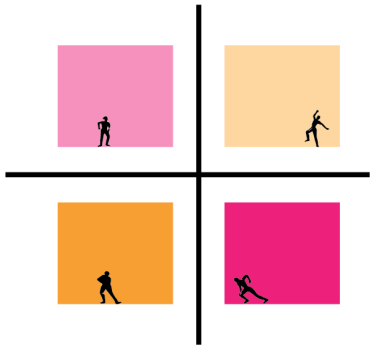
modular approach

fragmentation

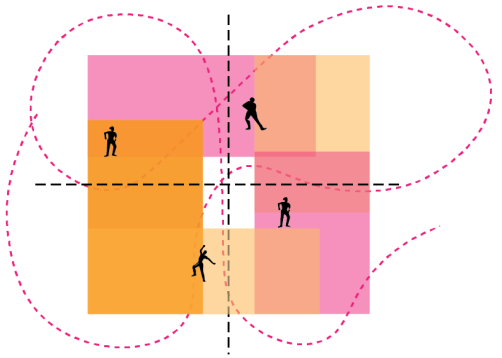


collage-assemblage

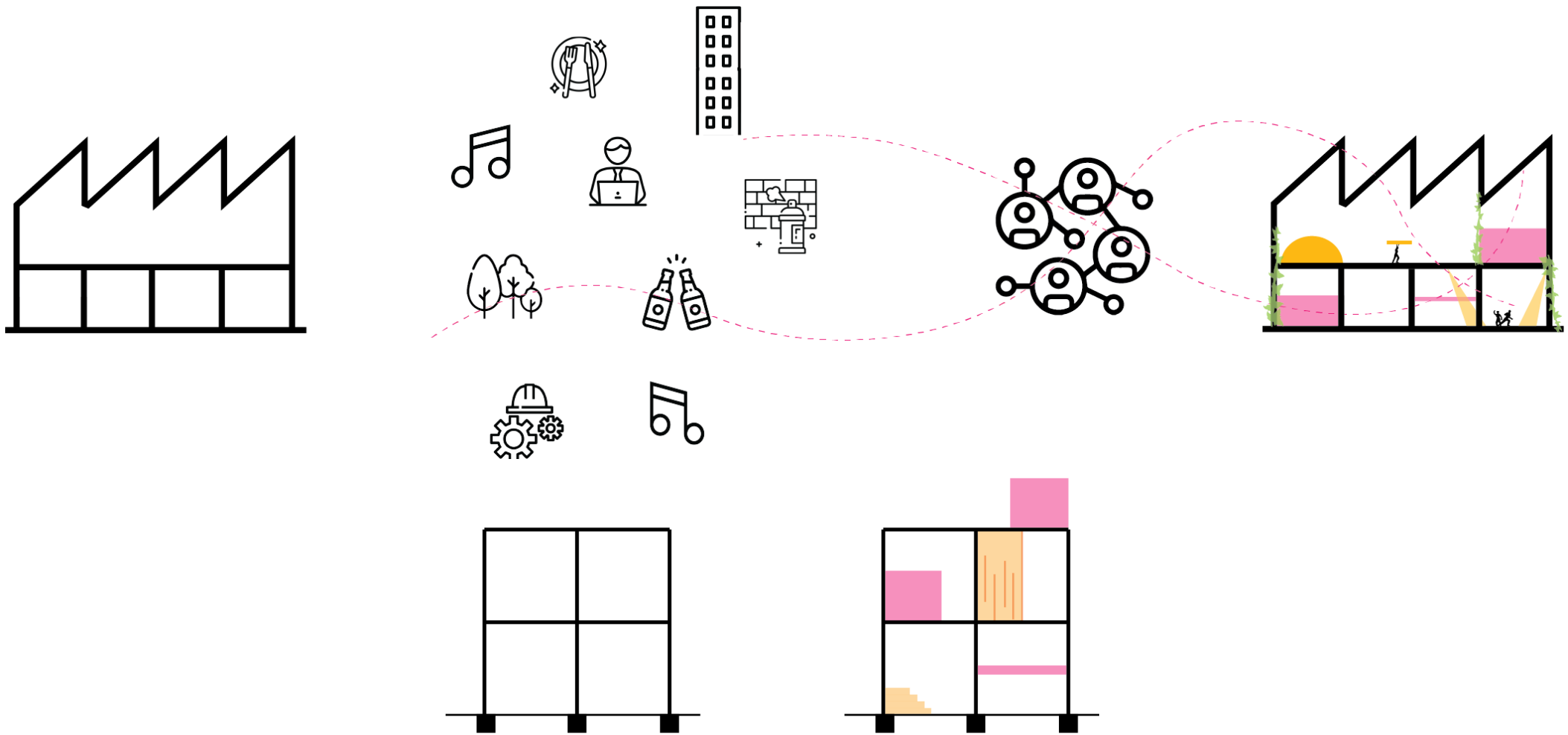
combination



generating encounters



generating encounters

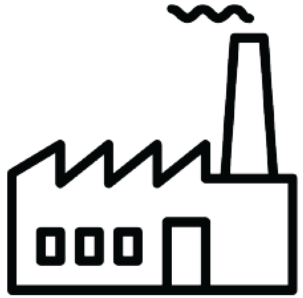


primary secondary teritary
structure

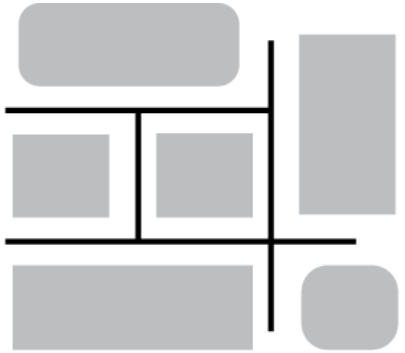
Constructing toolbox:

Site analysis:current situation problems

fenced-off



contaminated/destructed nature



lack of gathering space

Constructing toolbox:

What can be done?

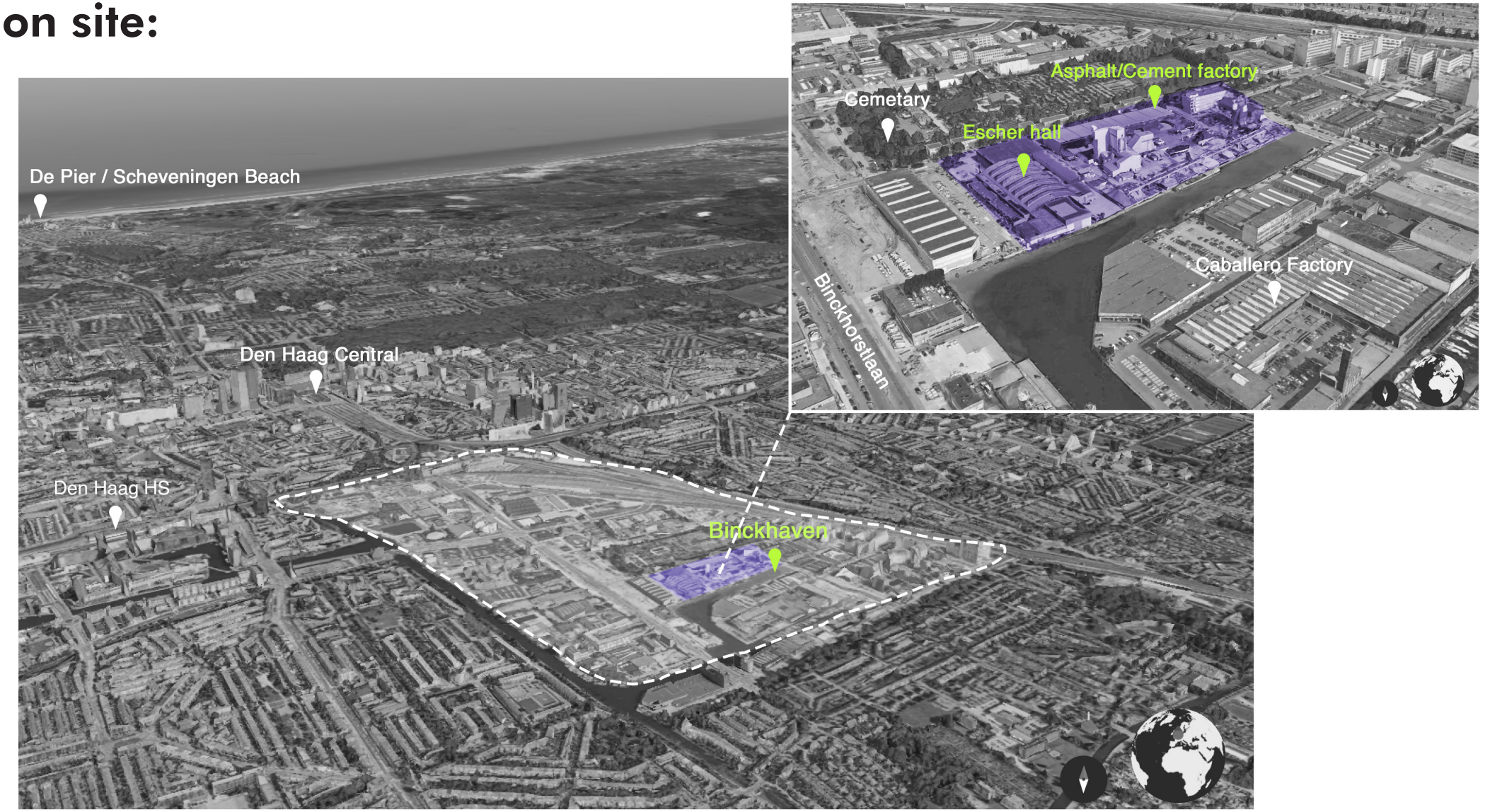
openness&
connectivity

improvement&
expansion of
public realm

make space for
nature

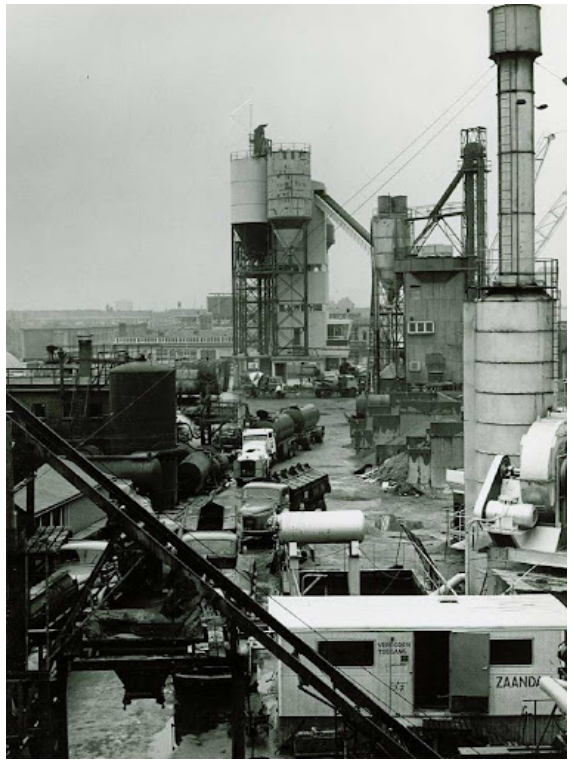
Intervention site:

Binckhaven

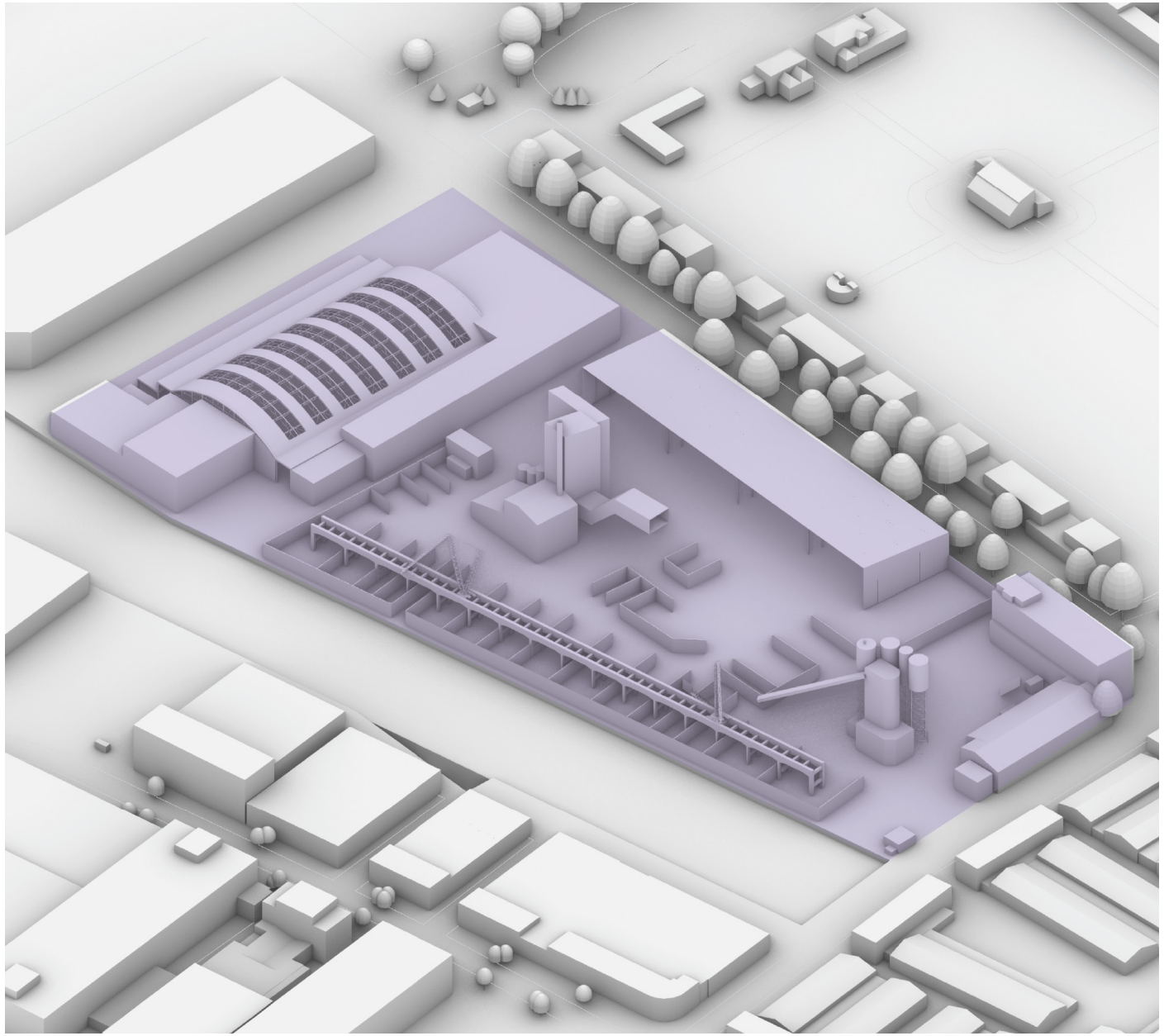


Binckhaven:

image of the site

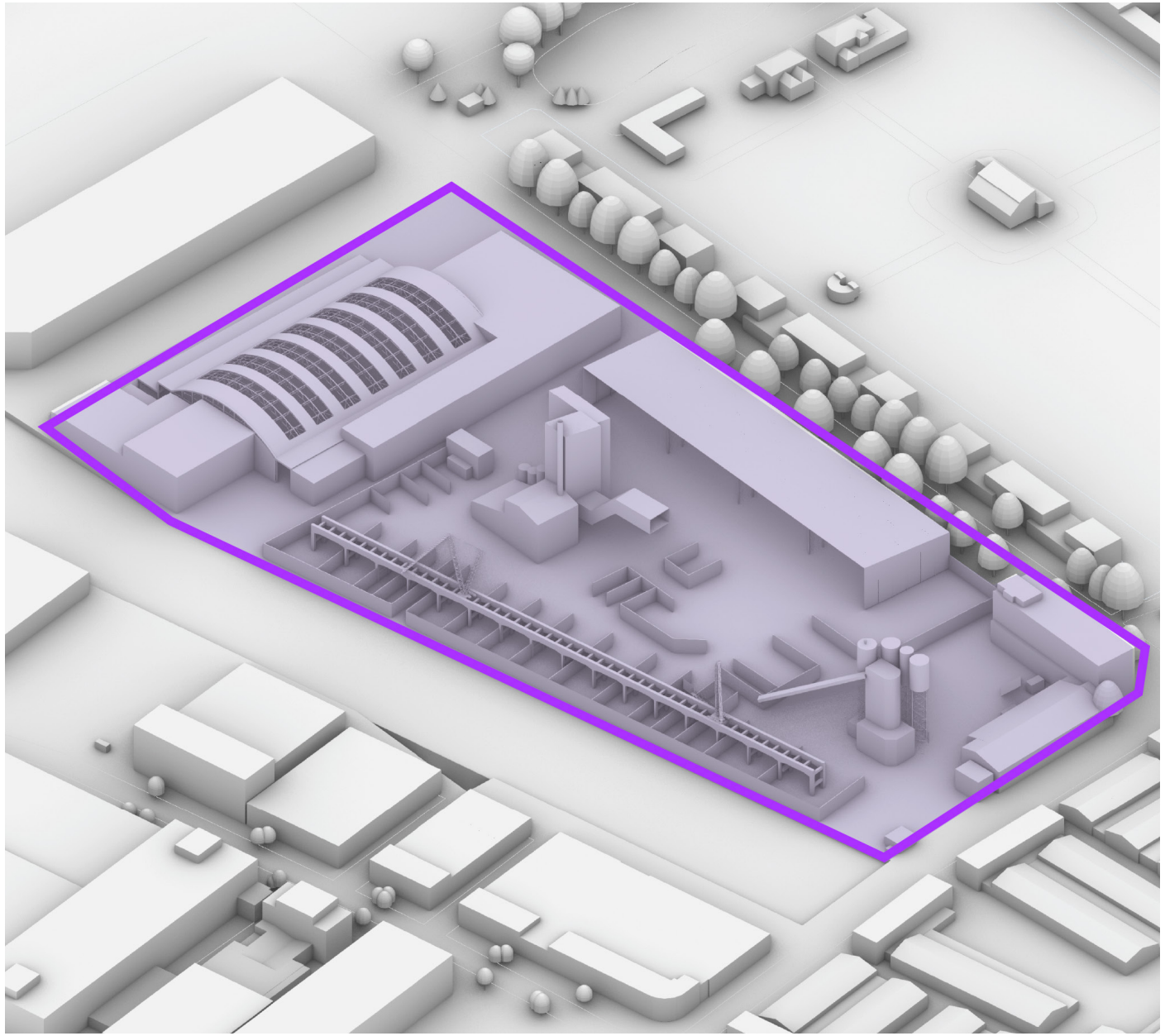


Binckhaven:
intervention area

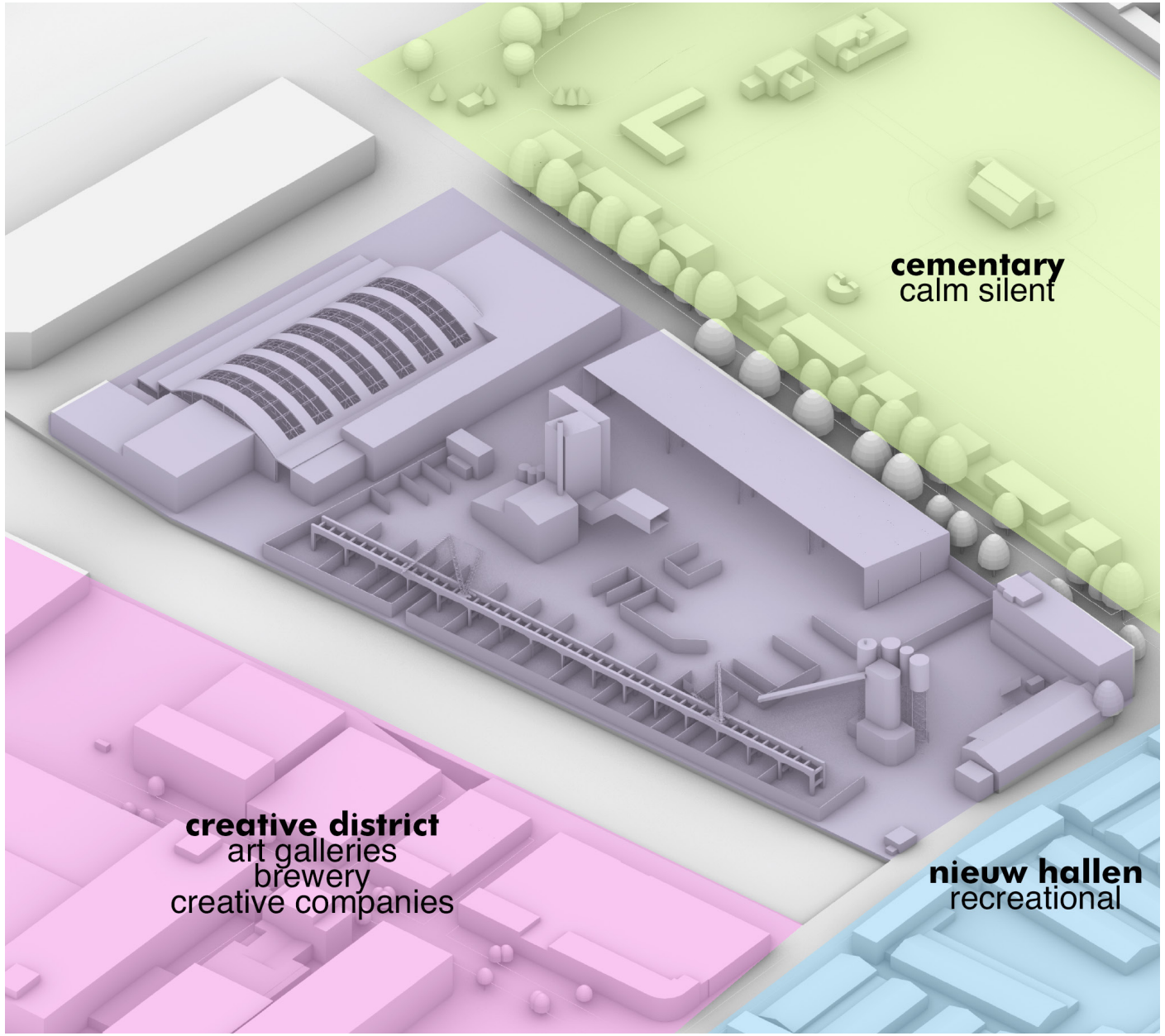


Binckhaven:

borders

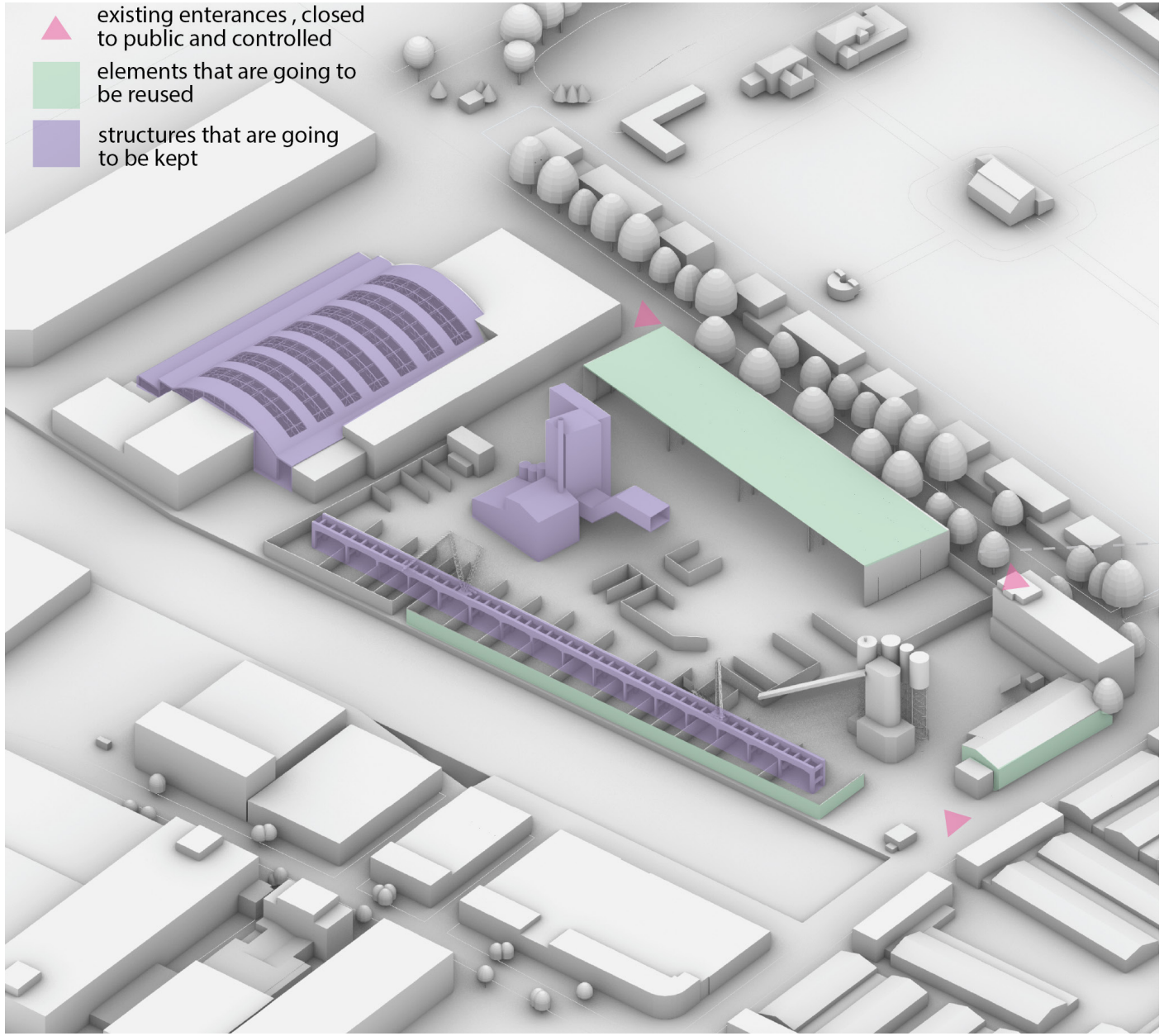


Binckhaven:
surroundings

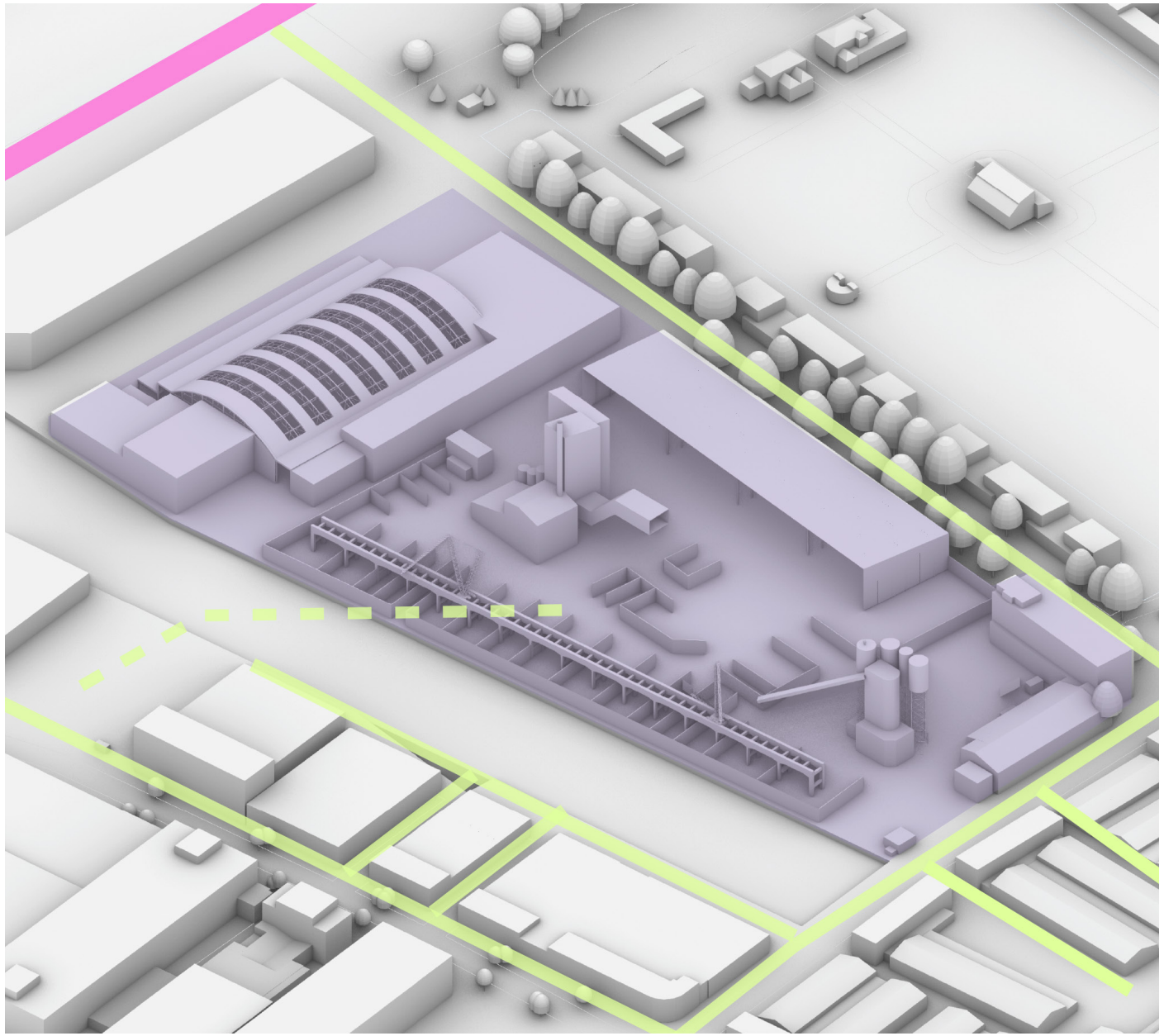


Binckhaven:

existing structures



Binckhaven:
connectivity

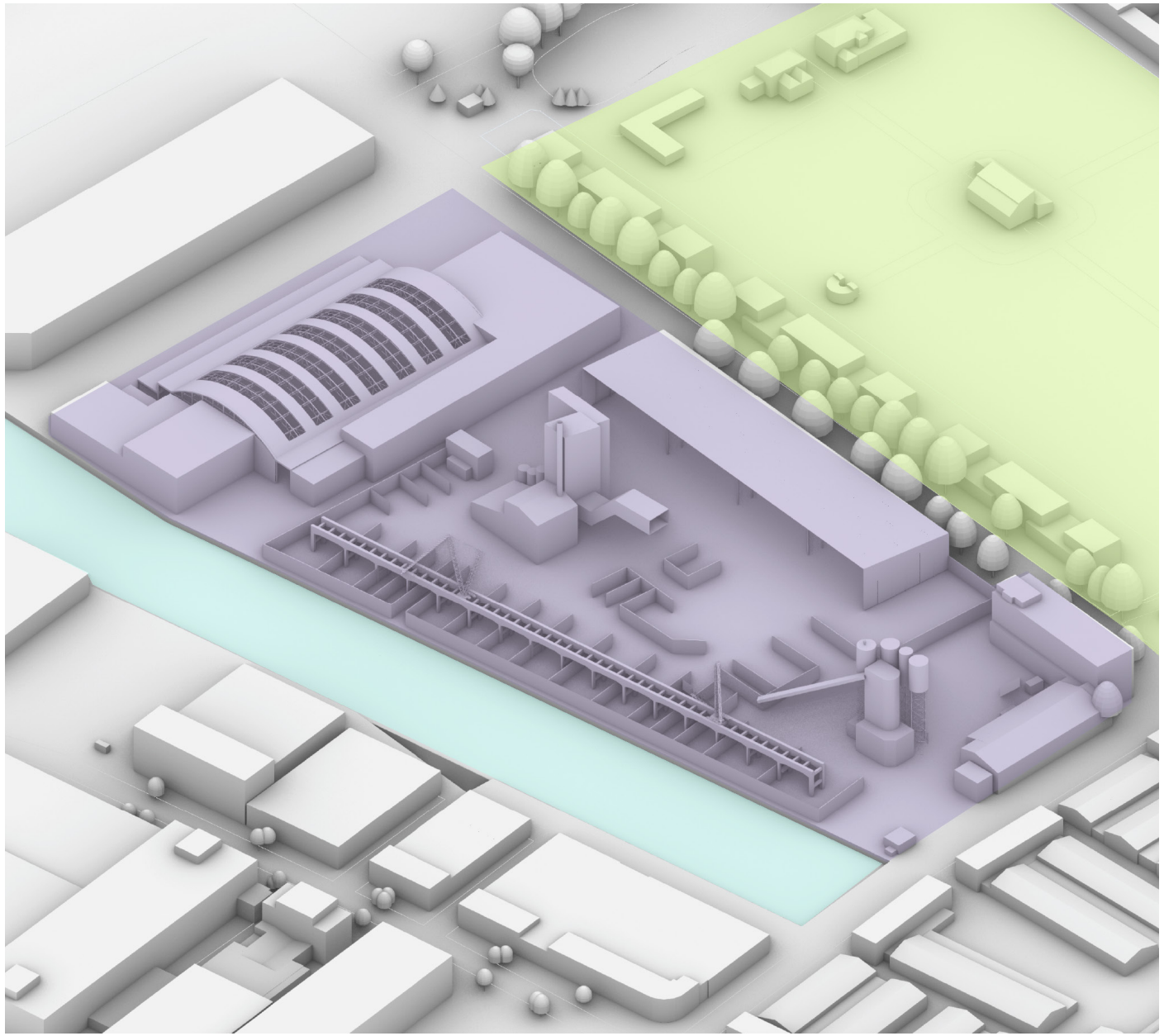


Binckhaven:

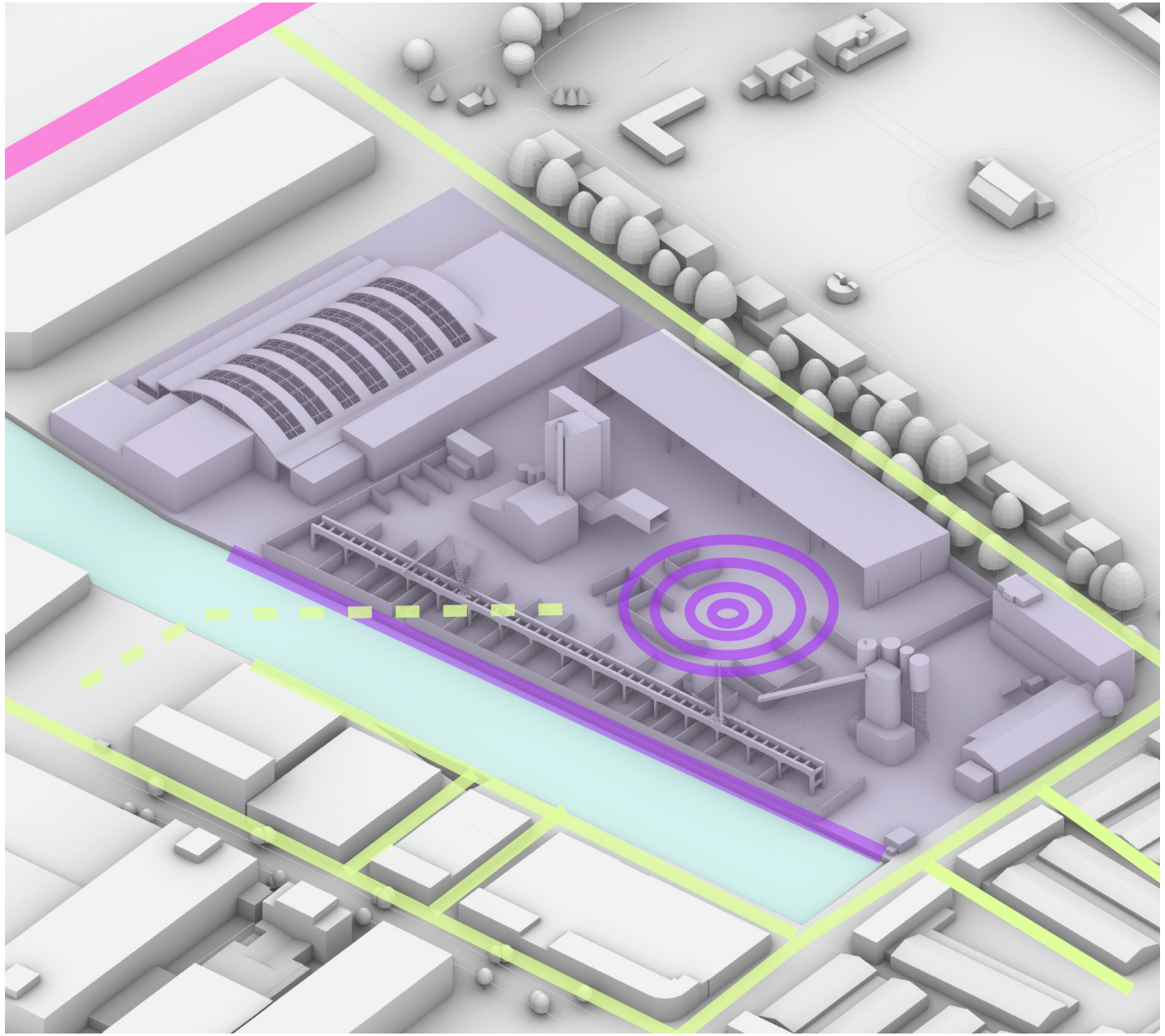
approaches

Binckhaven:

water and nature



Binckhaven:
potentials



SALE
FLEA MARKET

Towards the Music factory

Music Factory

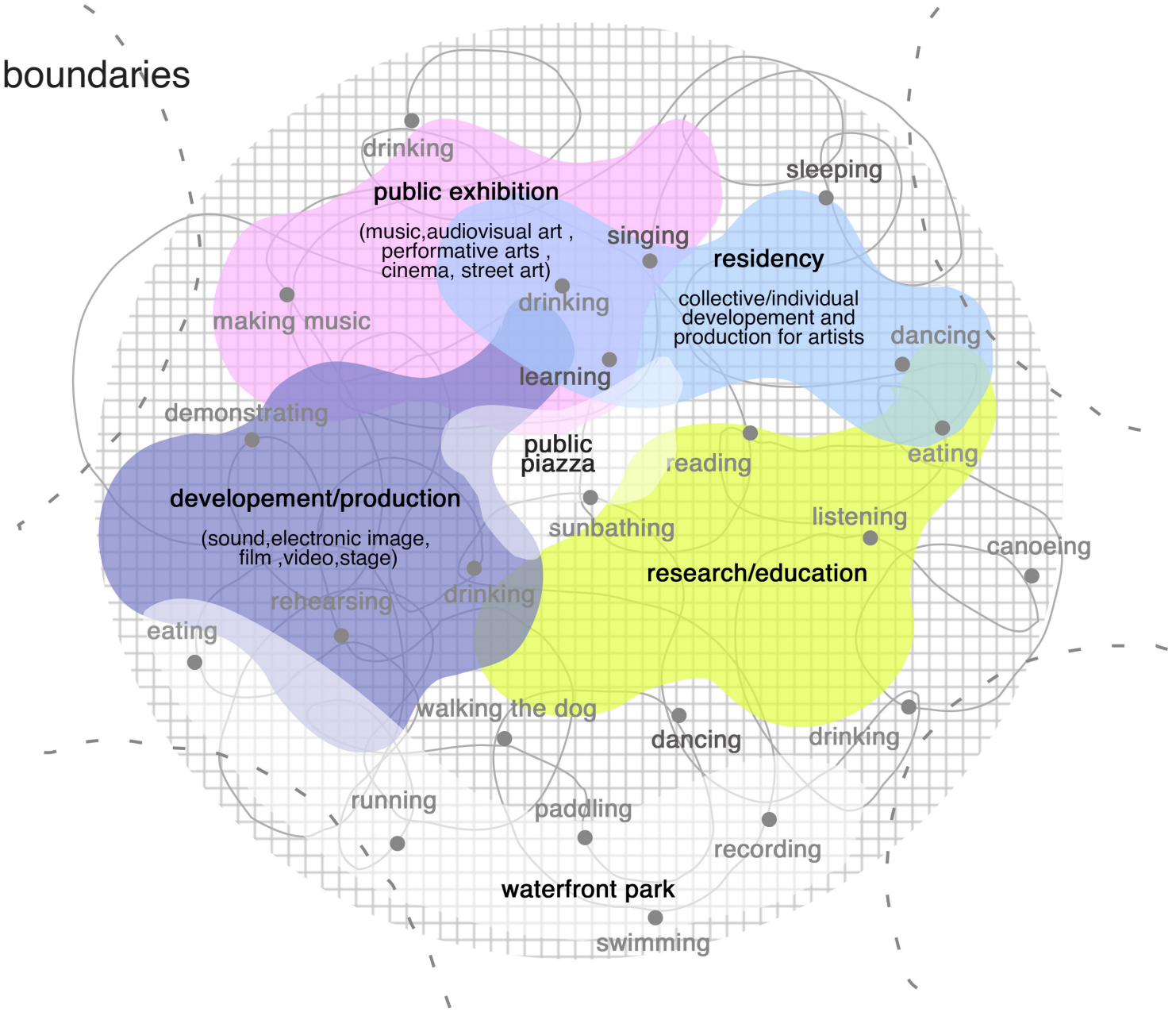
Music Factory is not a single building, it is a combination of different fragments, different performances, different users, and different materials

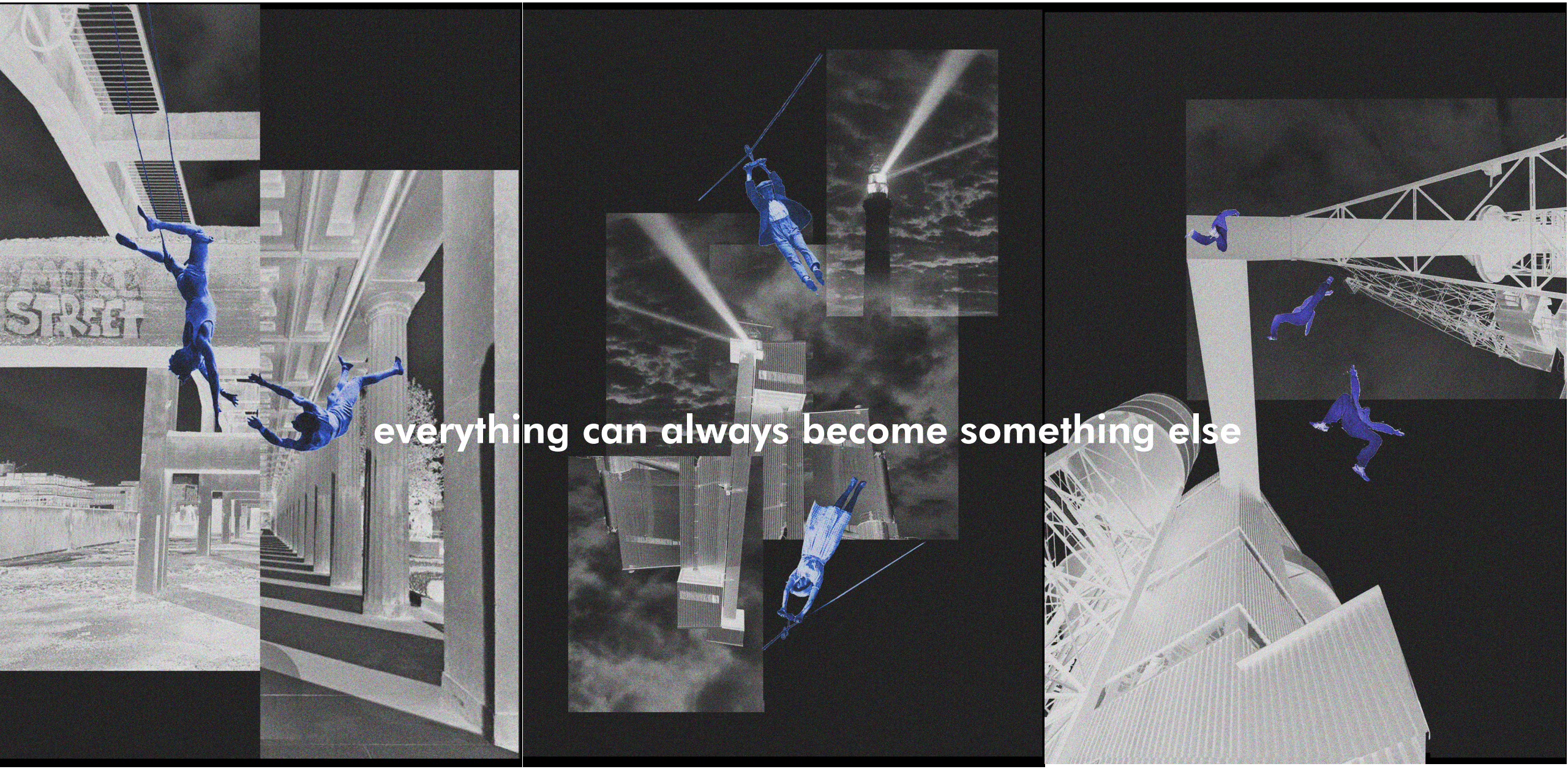
Music Factory emerges of its environments complexity and is able to transform

Here the border between the audience and the performer is blurred as the audience is brought right into the music production

Program:

concept:blurring the boundaries

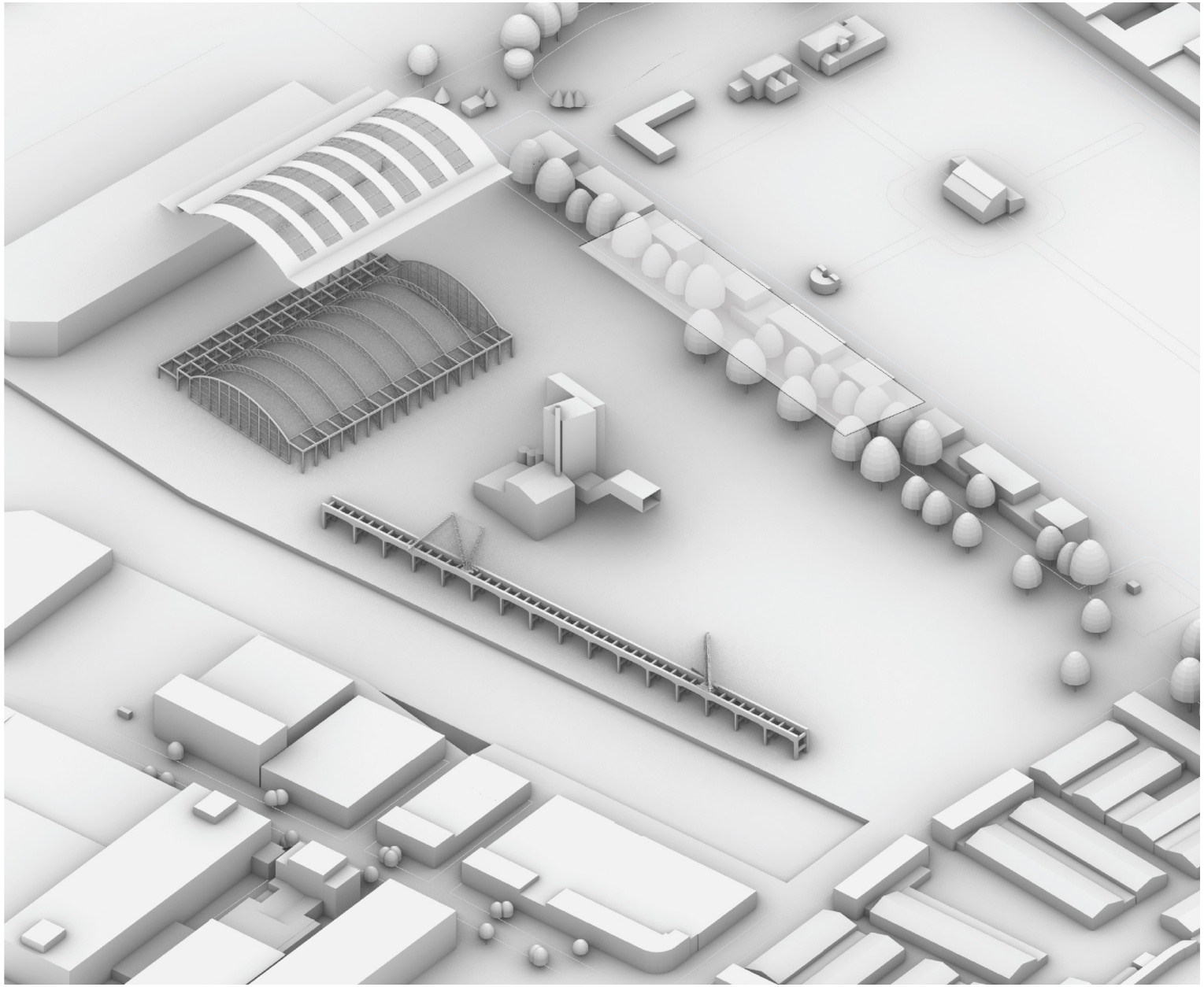



everything can always become something else

Final Design

Openness:

removing the borders



Activation:
of the void

recording/residency

research

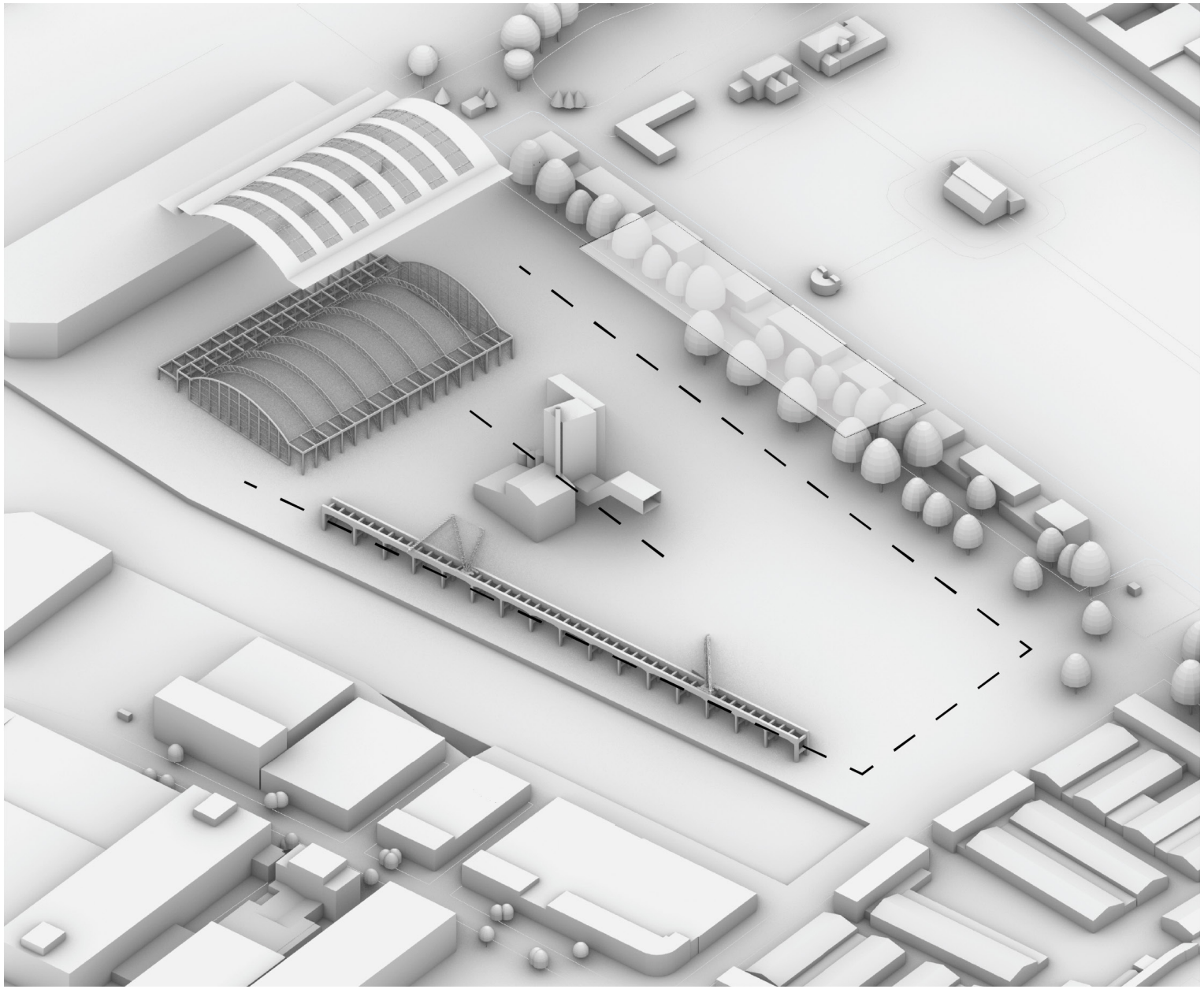
production hall

--practice rooms
-bar
-canteen
-undetermined event space

performance hall
-3x venues
-foyers
-food court
-3xbars
-restaurant
-5x rehearsal rooms
-loading docks
-storage
-offices
-crew spaces

parking

public realm
-square
-waterfront park
-roof terraces



Program:
distribution

recording/residency

research

production hall

--practice rooms
-bar
-canteen
-undetermined event space

performance hall
-3x venues
-foyers
-food court
-3xbars
-restaurant
-5x rehearsal rooms
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parking

public realm
-square
-waterfront park
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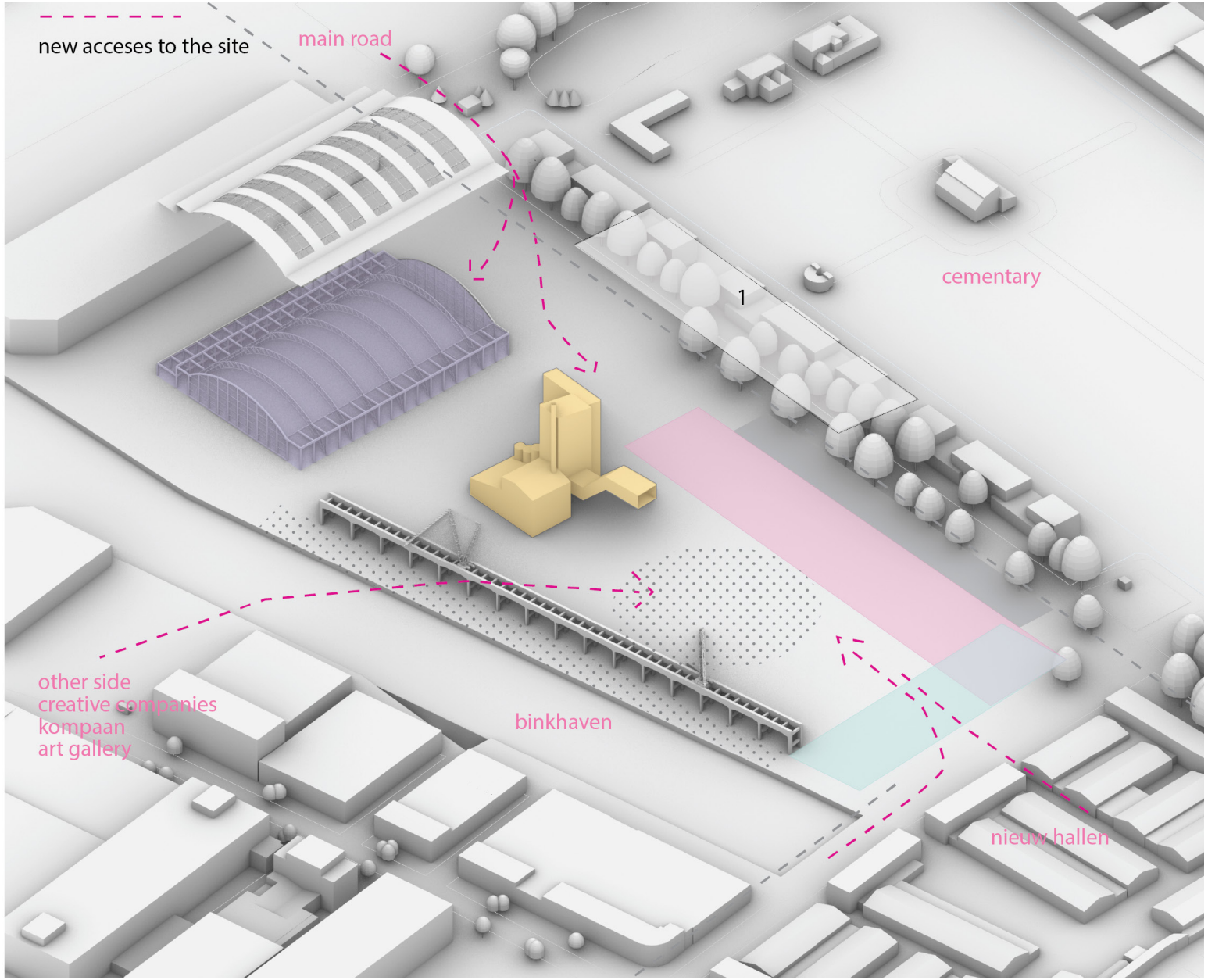
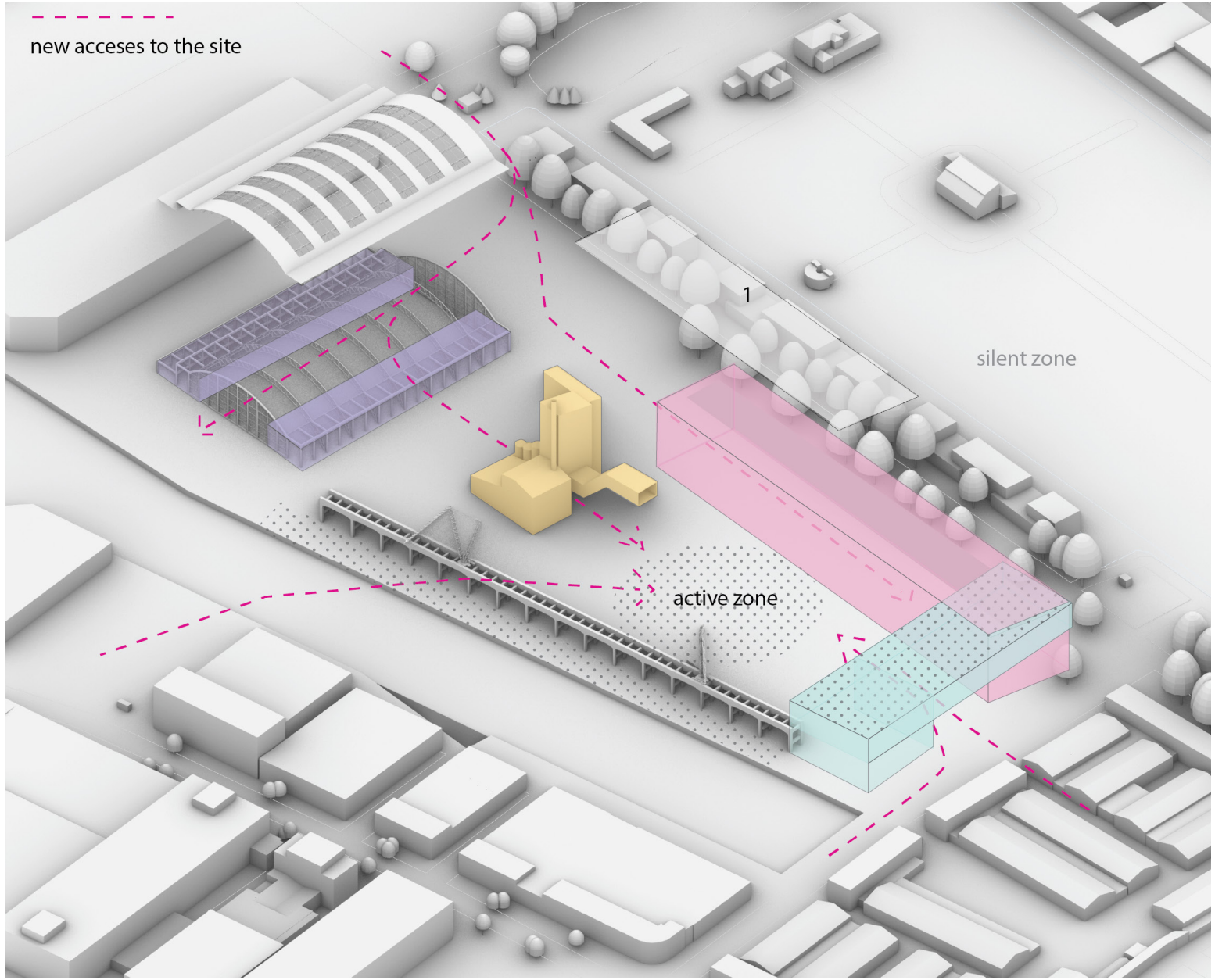
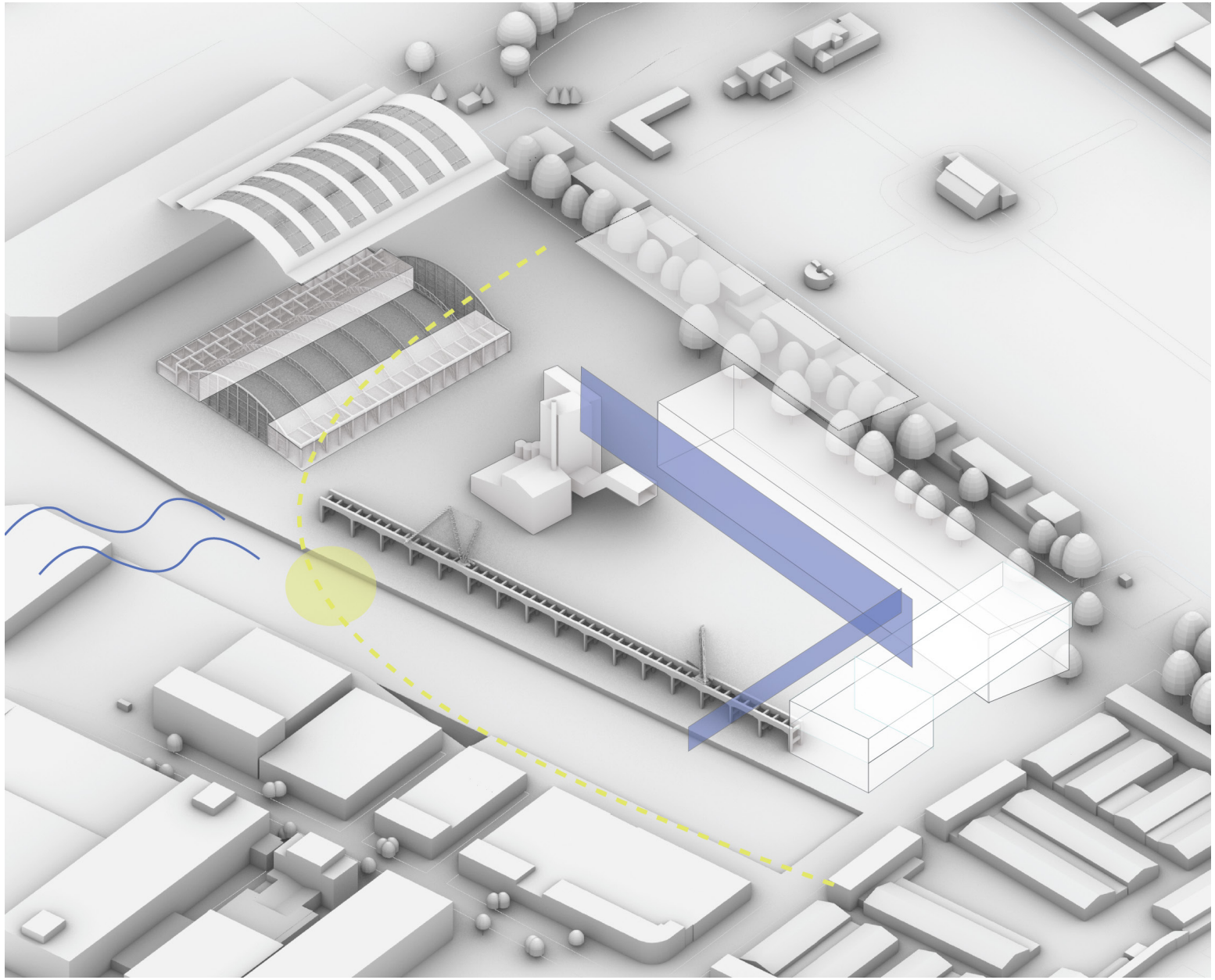


Program:
connectivity



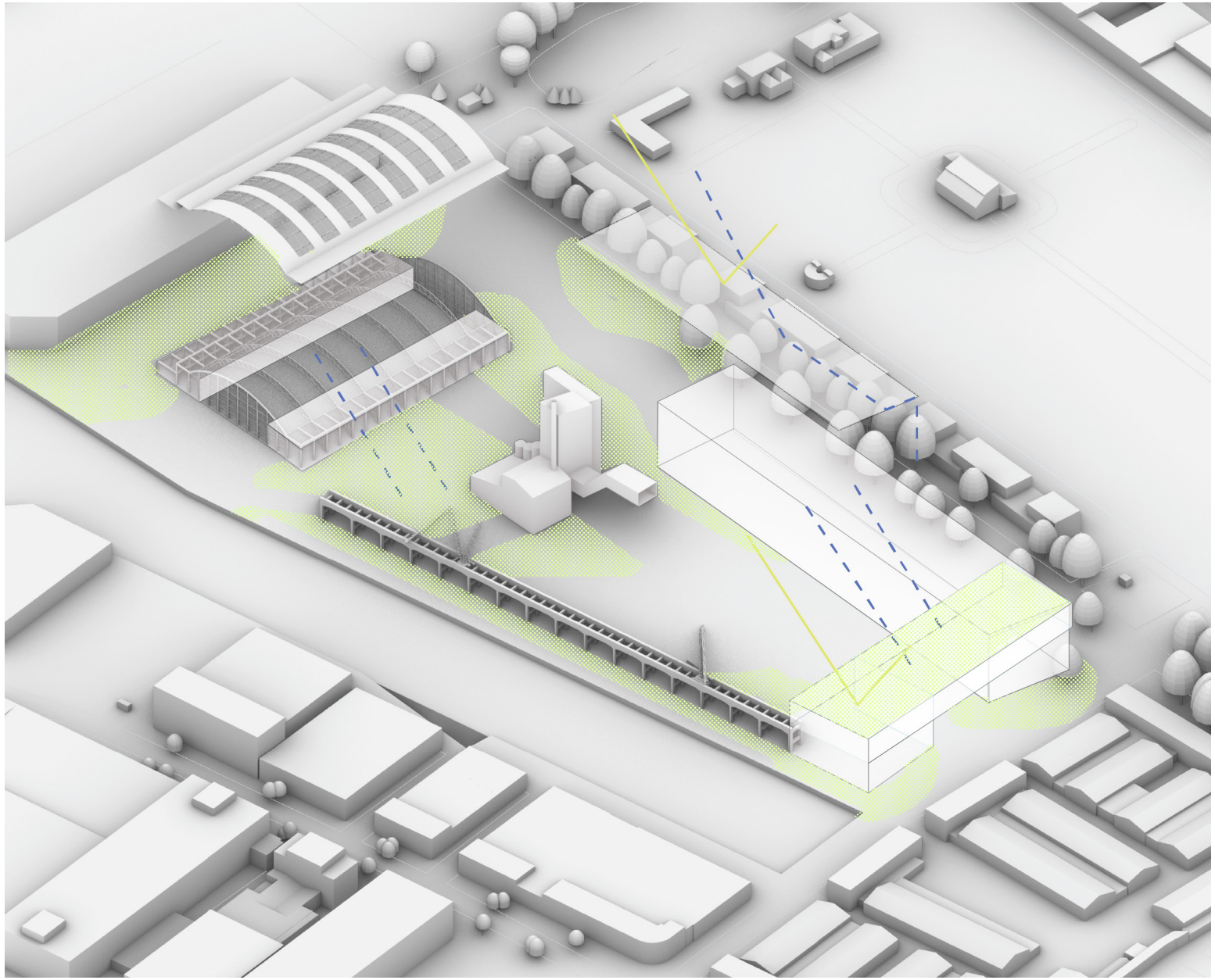
Climate:

solar radiation / wind

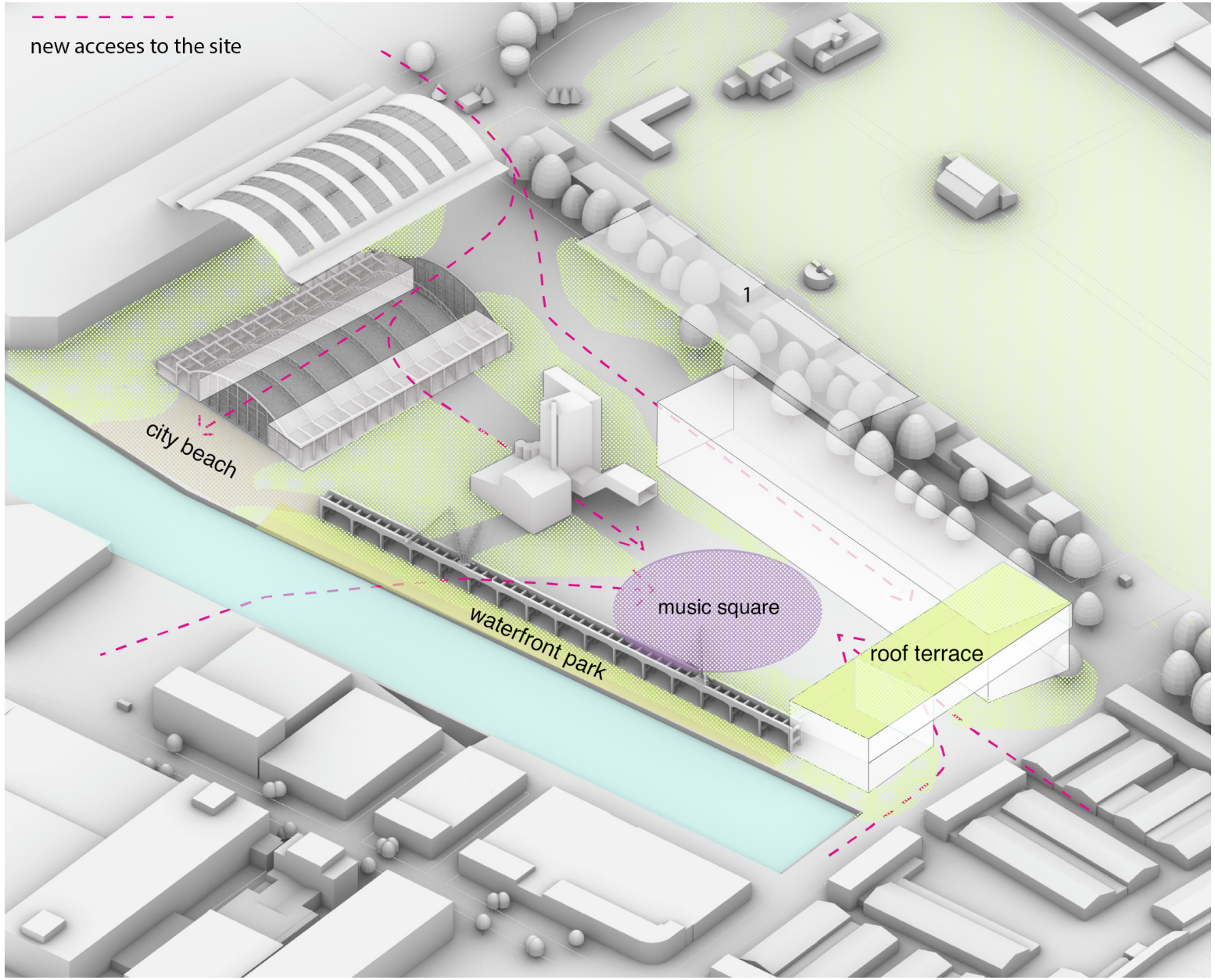


Climate:

solar radiation / rainwater

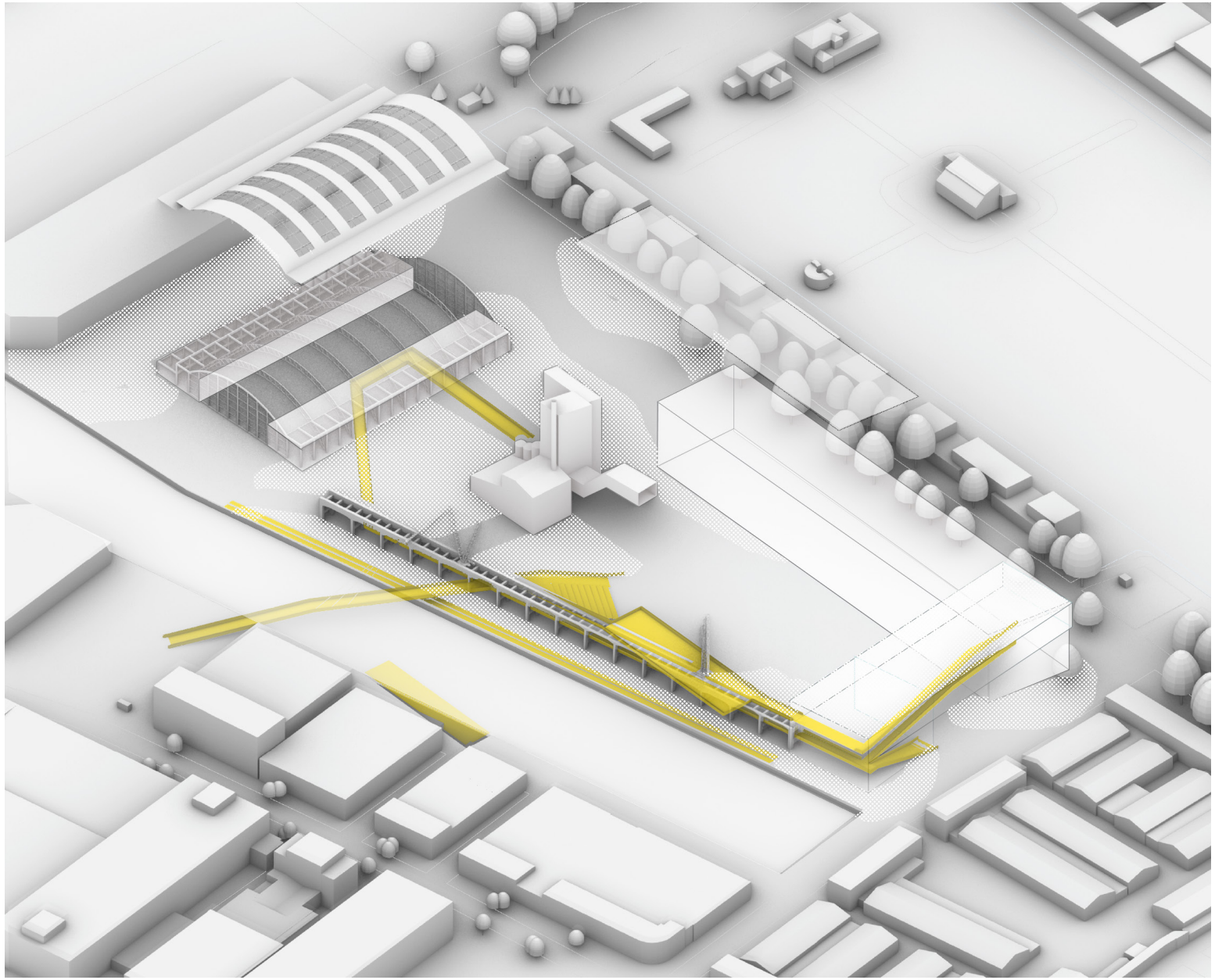


Public realm:



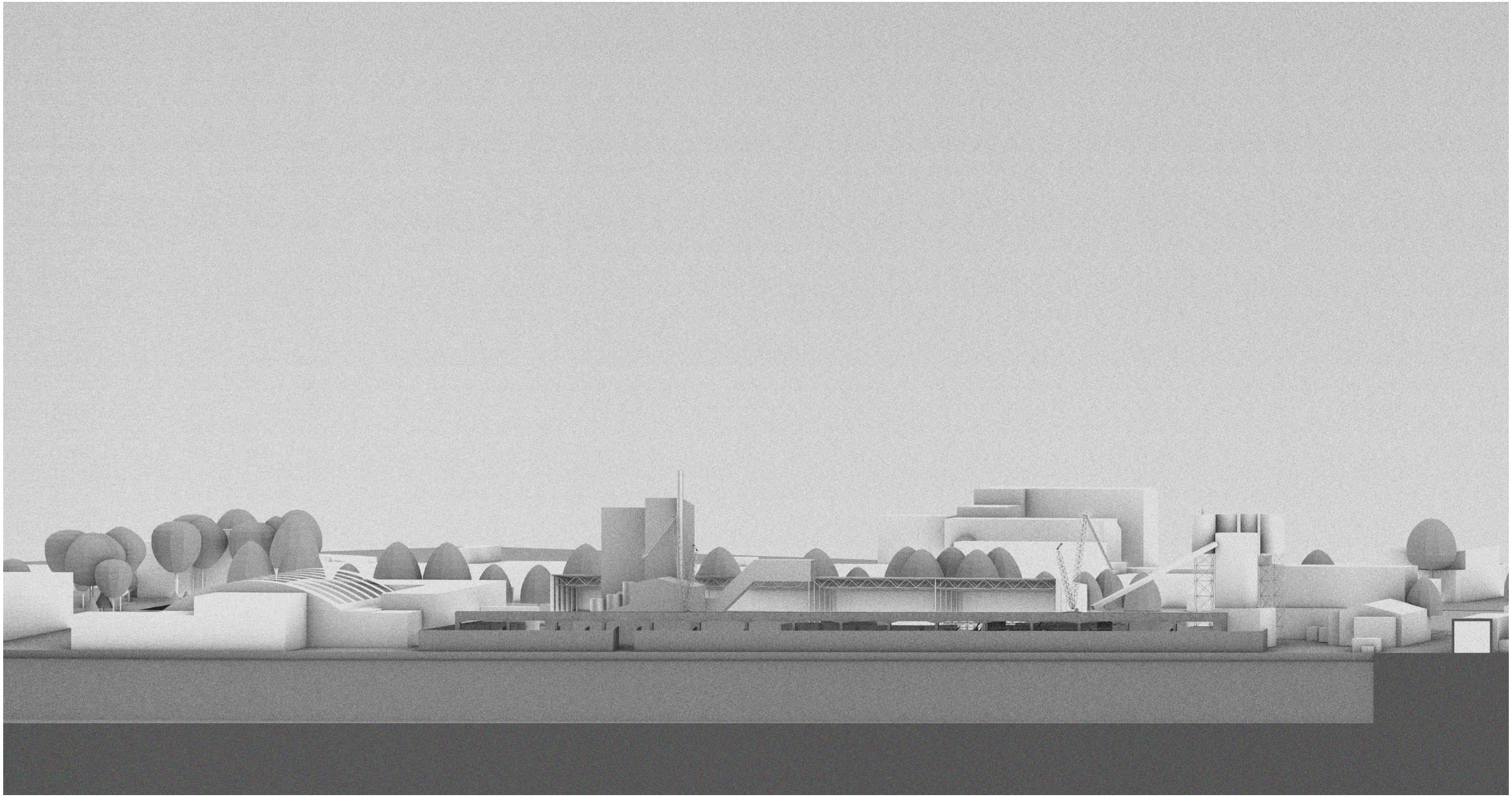
Circulation:

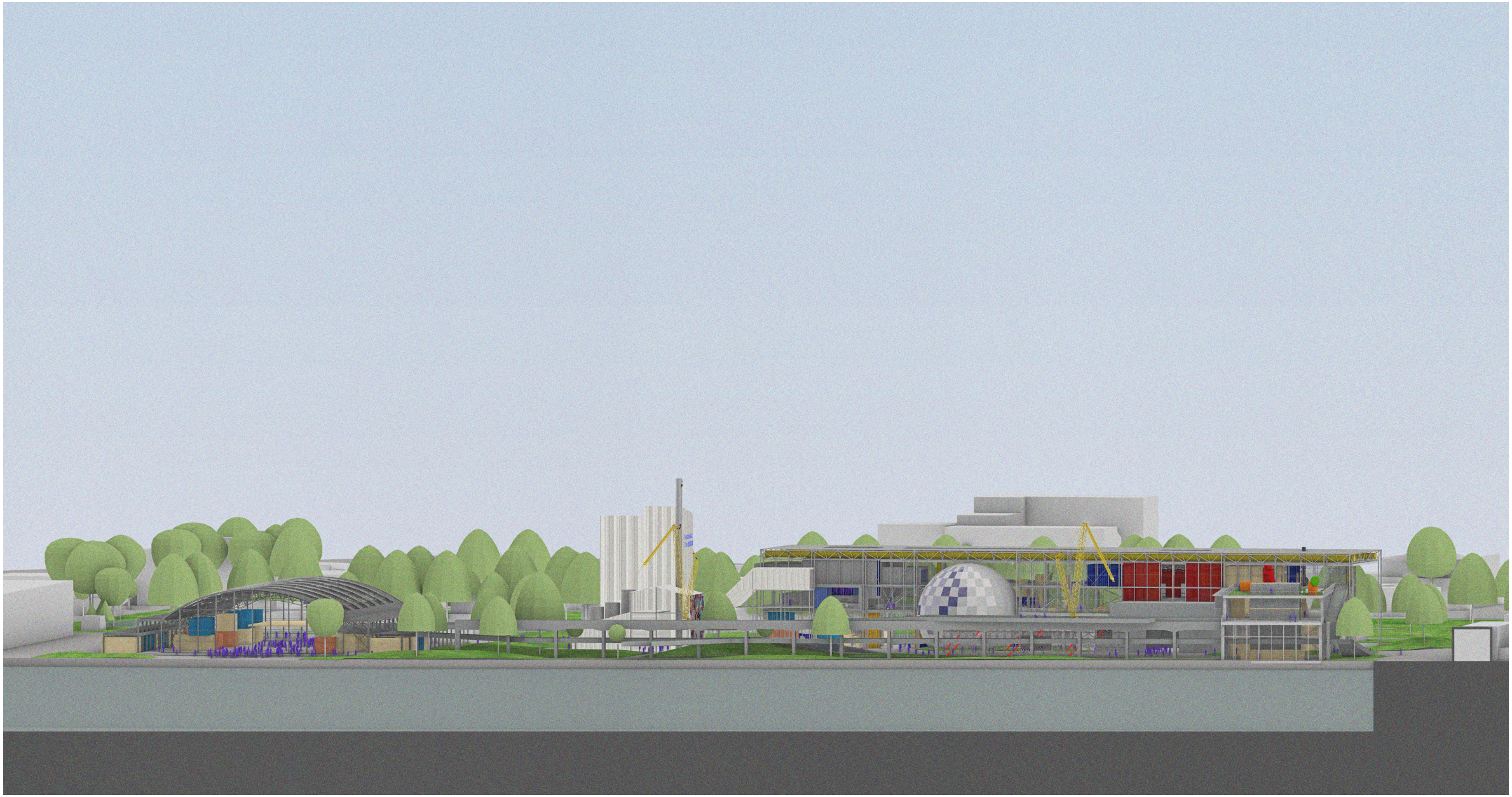
exterior



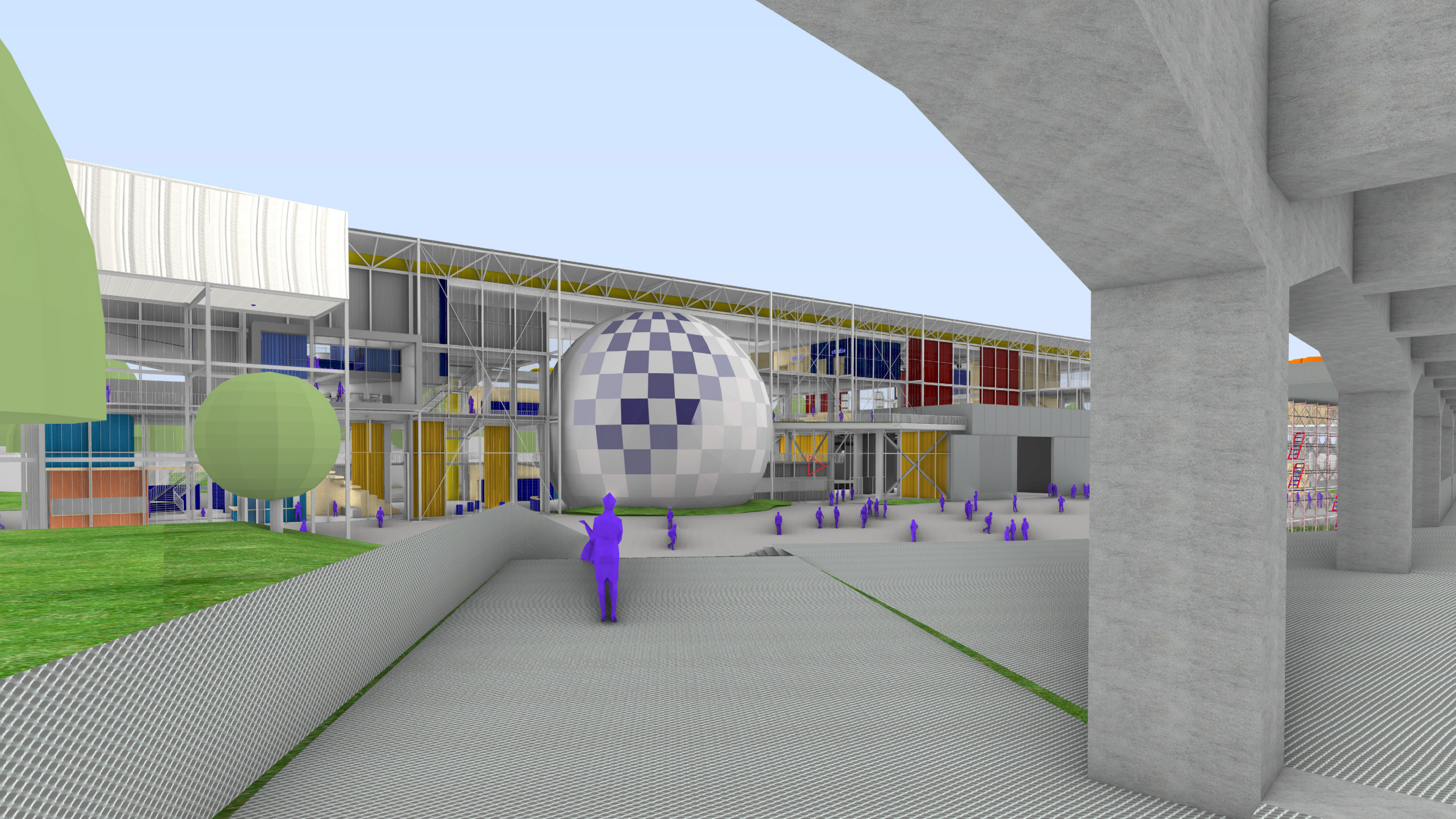
Festival:
I'm BINCK

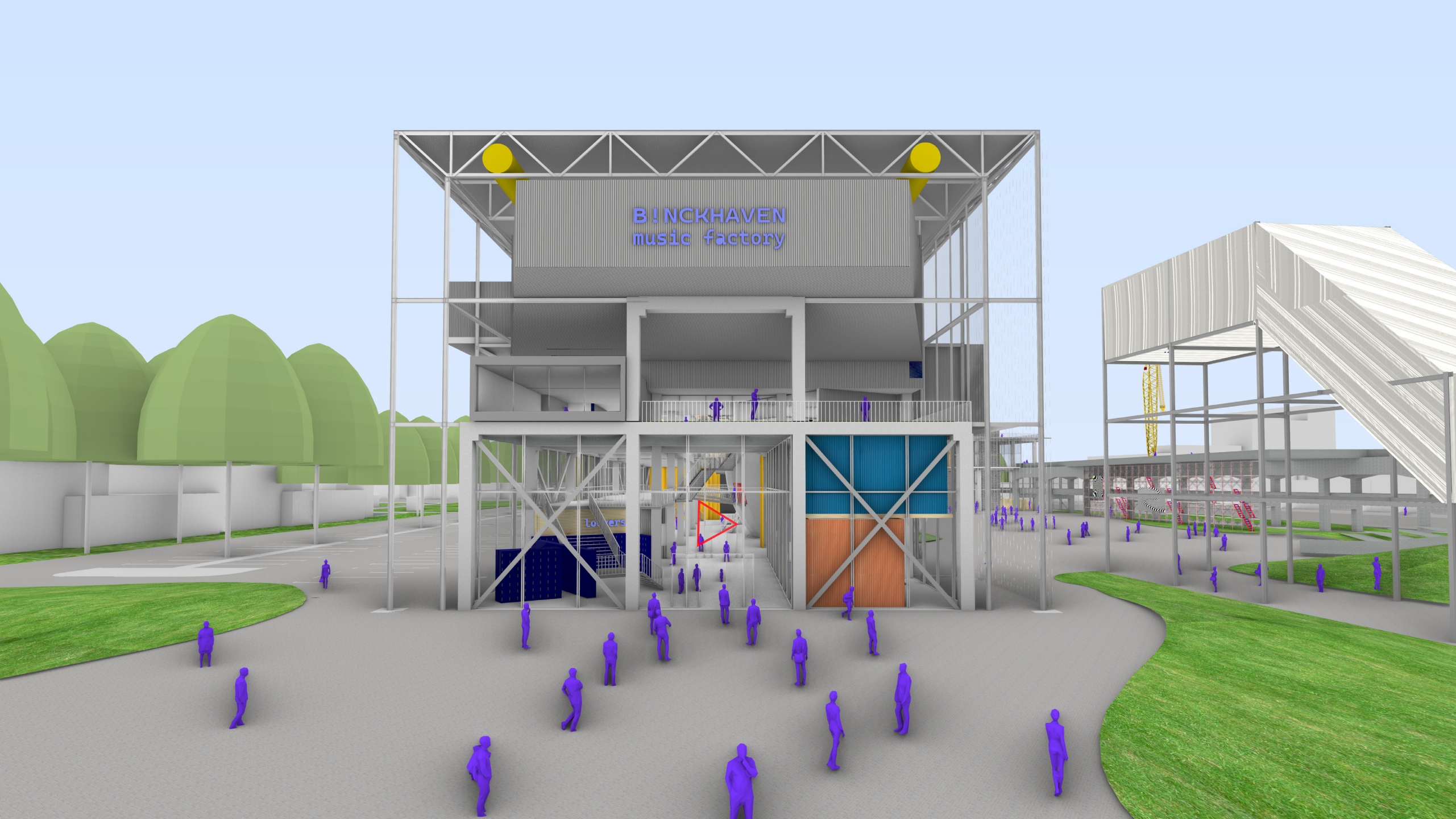
Festival:
I'm BINCK





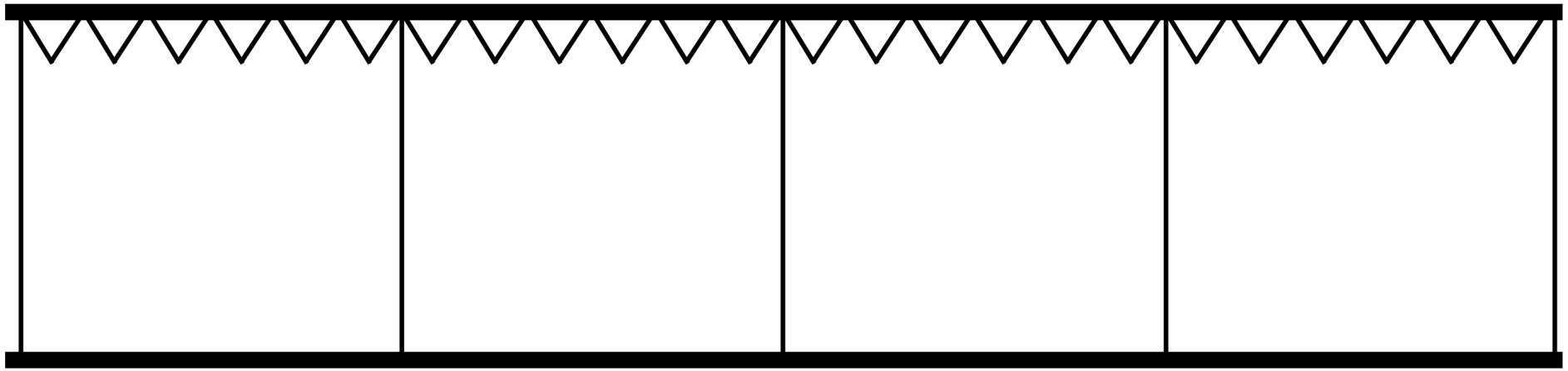
studio
studio
Artists




B!NCKHAVEN
music factory

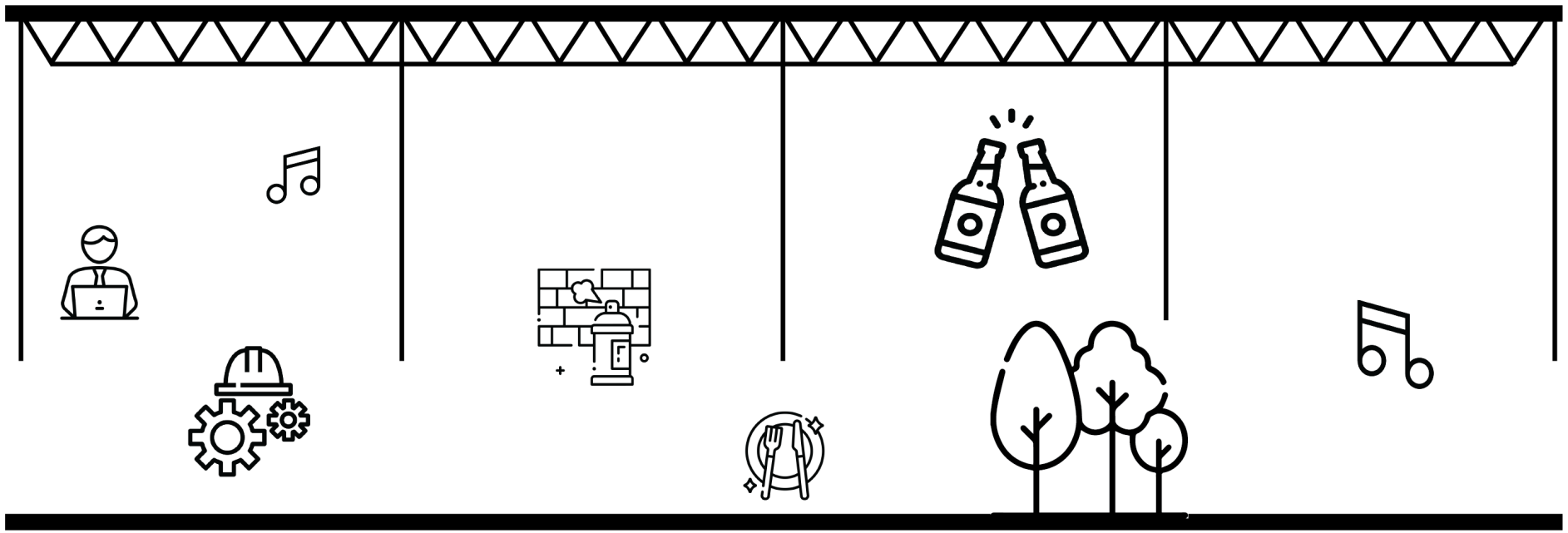
Concept:

found structure



Concept:

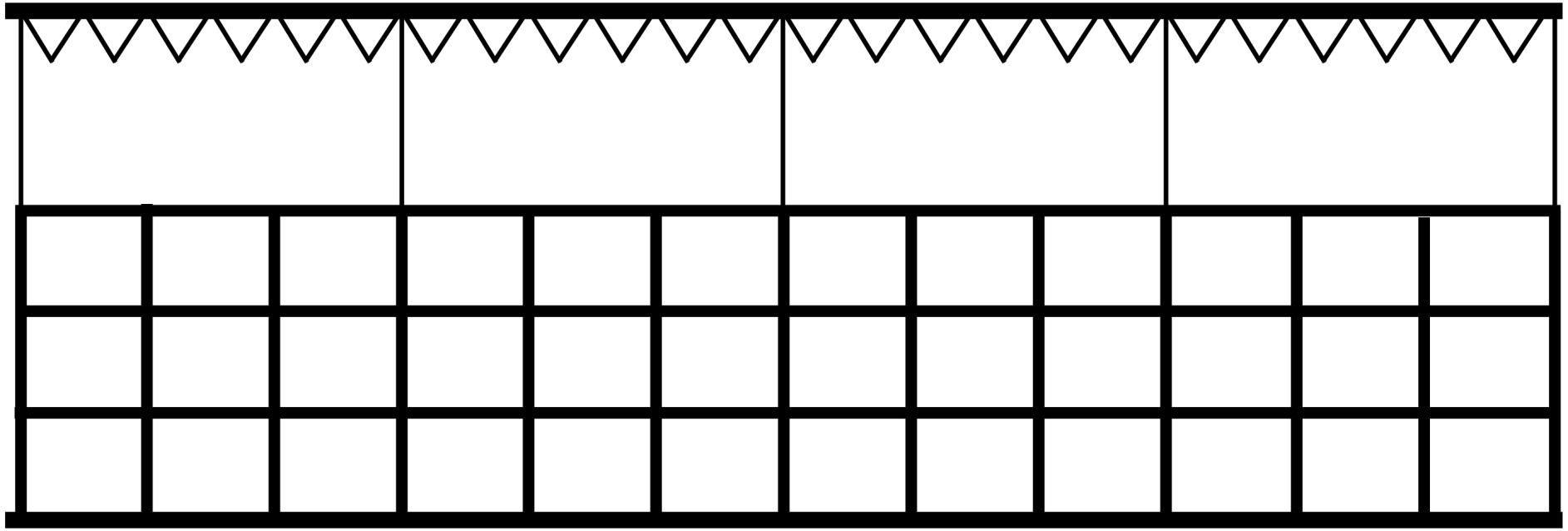
reuse



Concept:

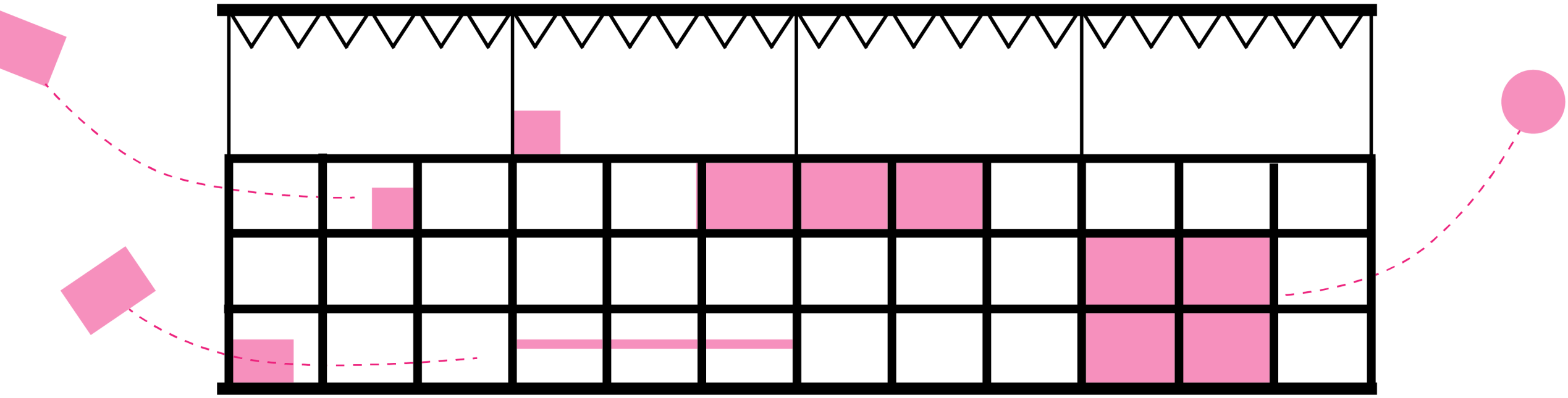
constructing the primary frame

constrast



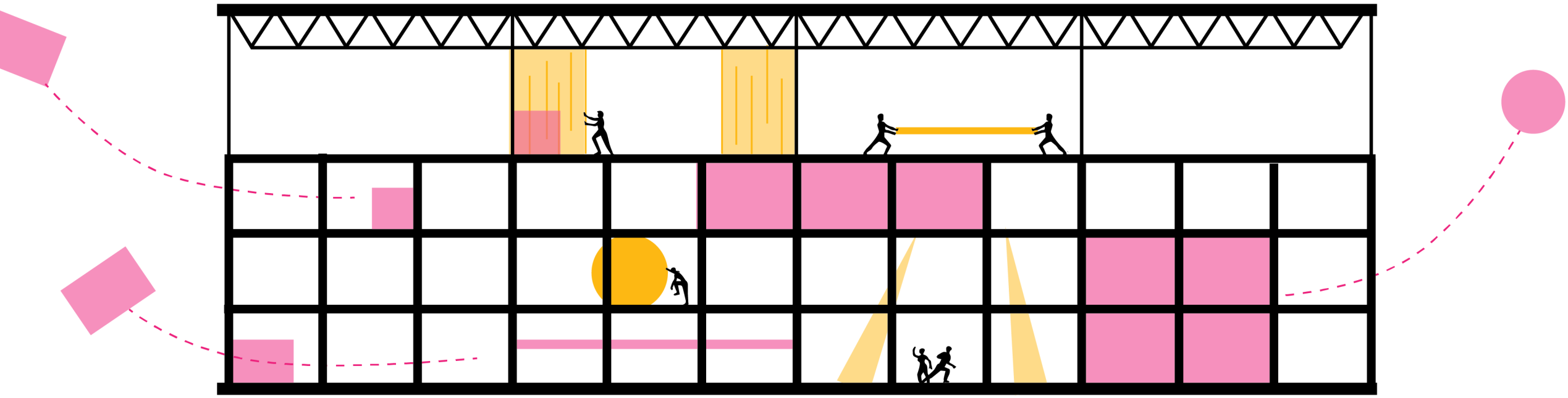
Concept:

secondary structures



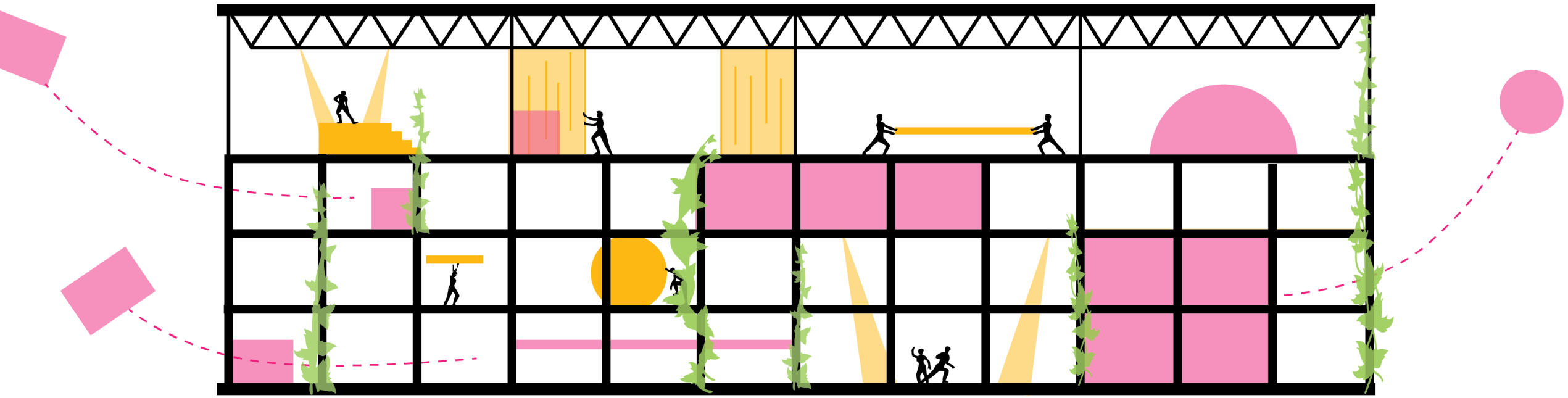
Concept:

tertiary structures



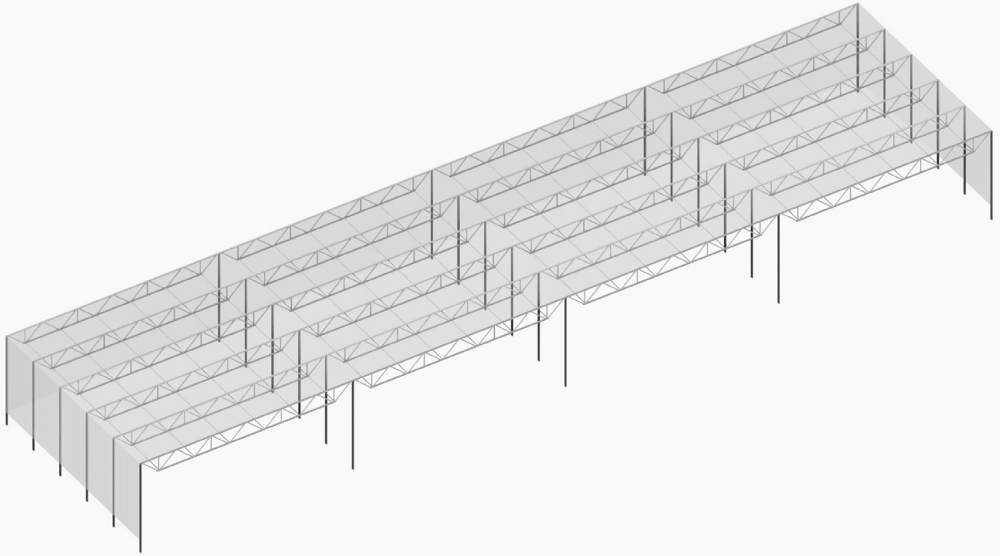
Concept:

the performance



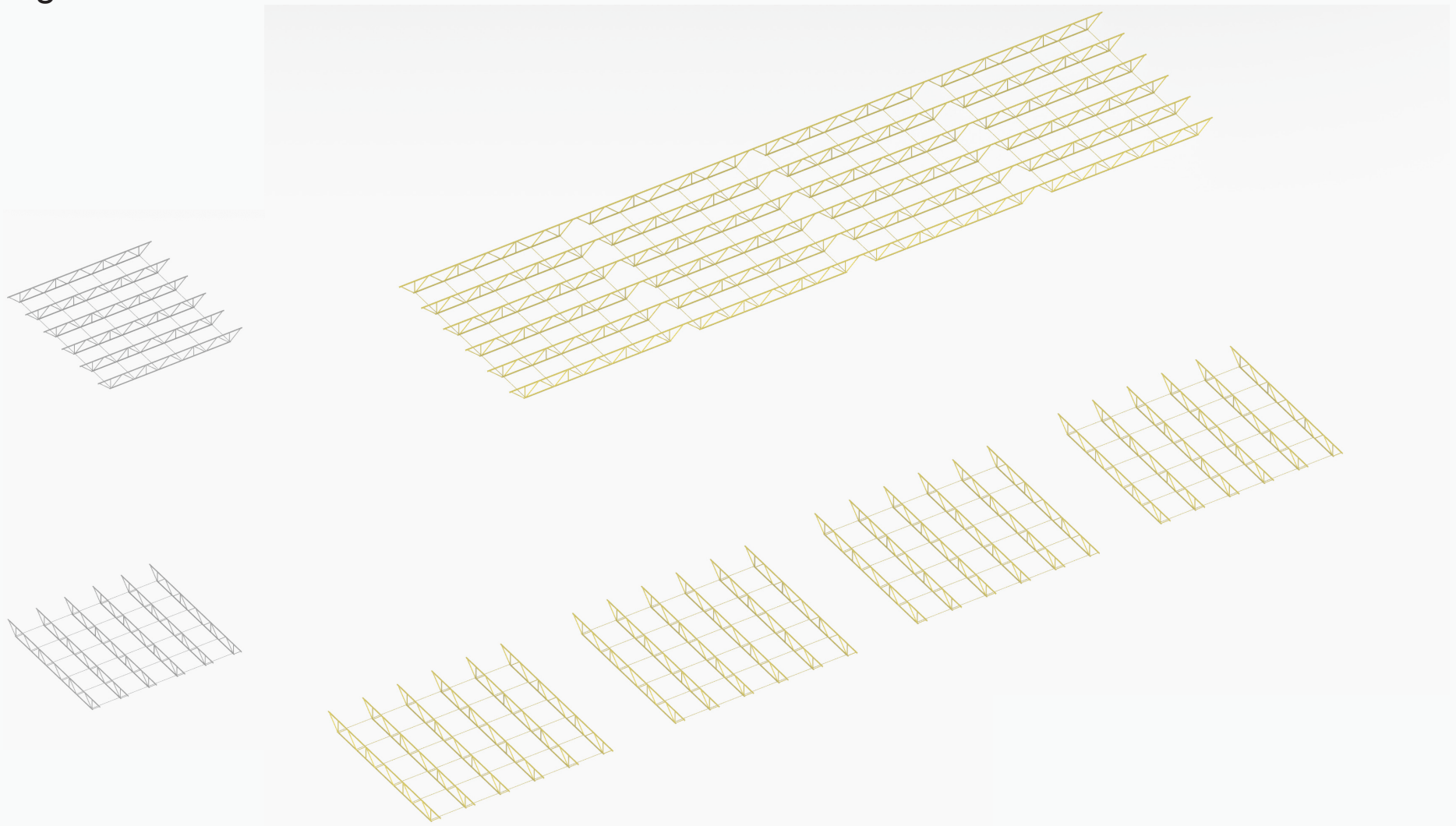
Constructing the Frame:

references



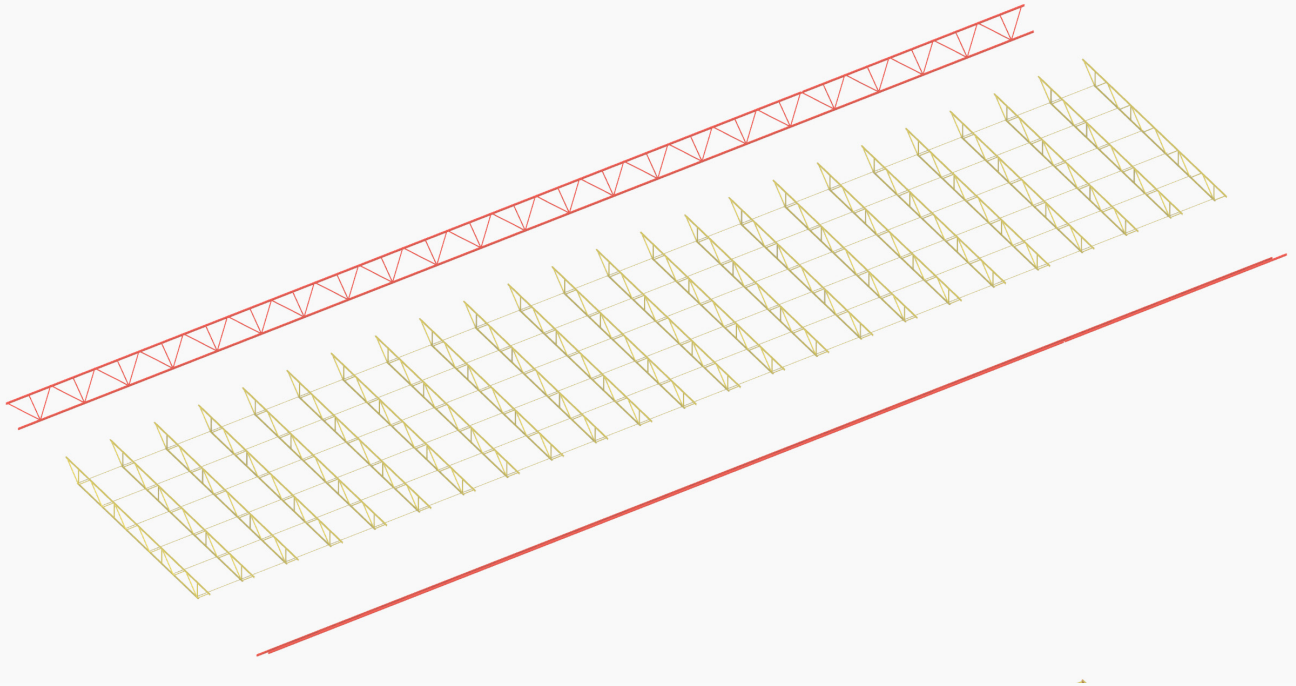
Constructing the Frame:

reusing roof:rotate



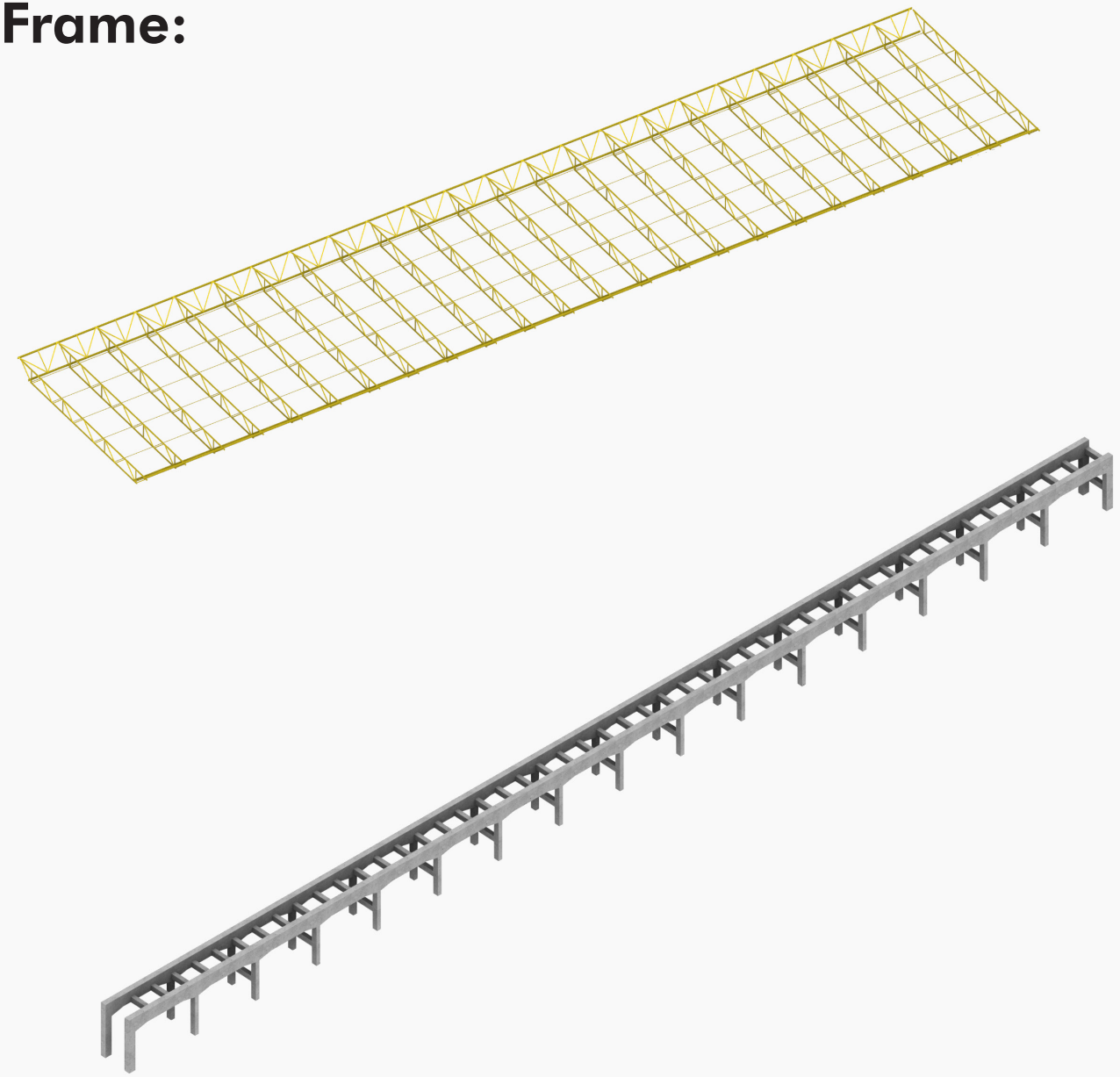
Constructing the Frame:

re-using roof:edge beams



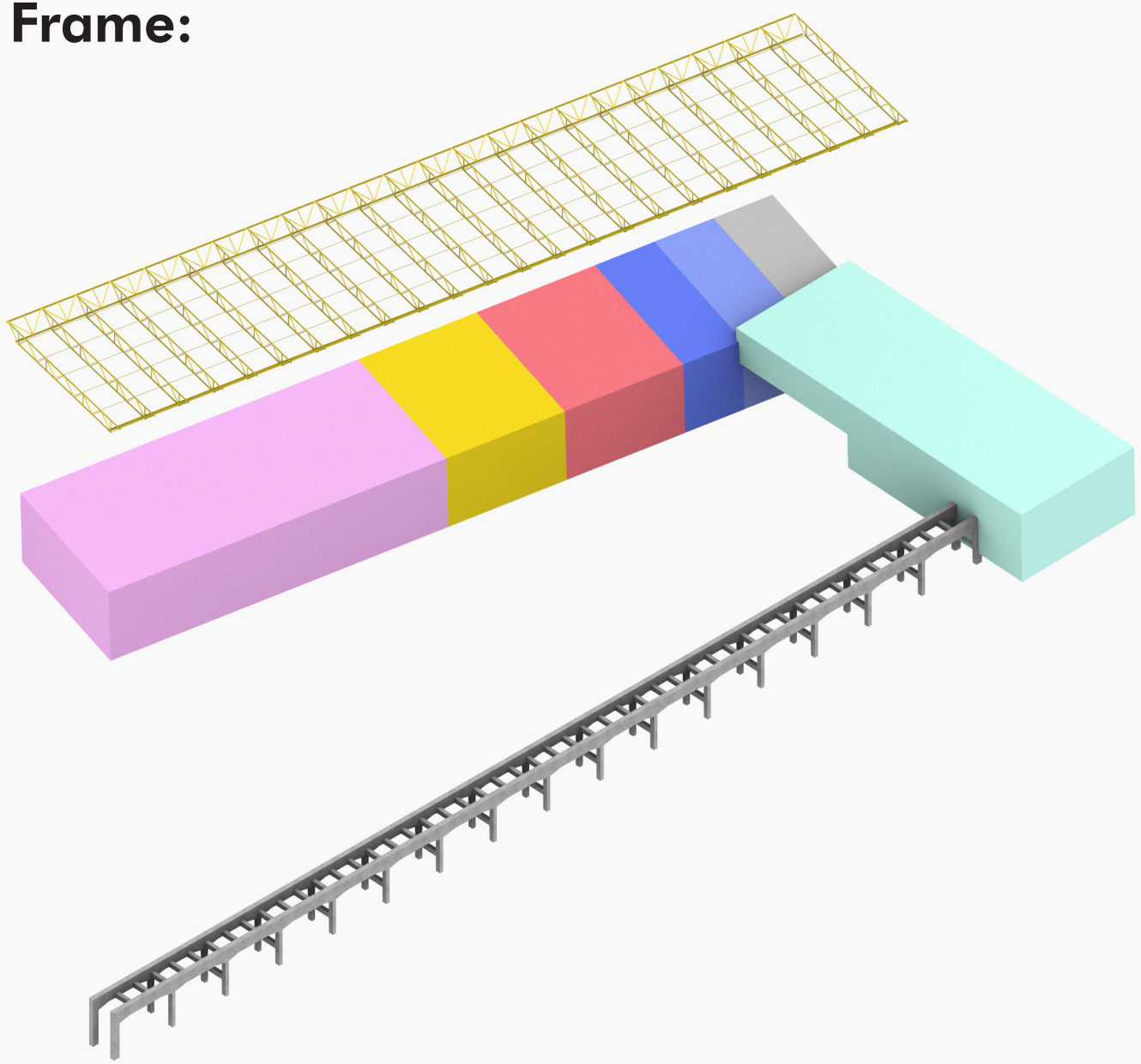
Constructing the Frame:

reference



Constructing the Frame:

program distribution



performance

research/
education

rehearsal

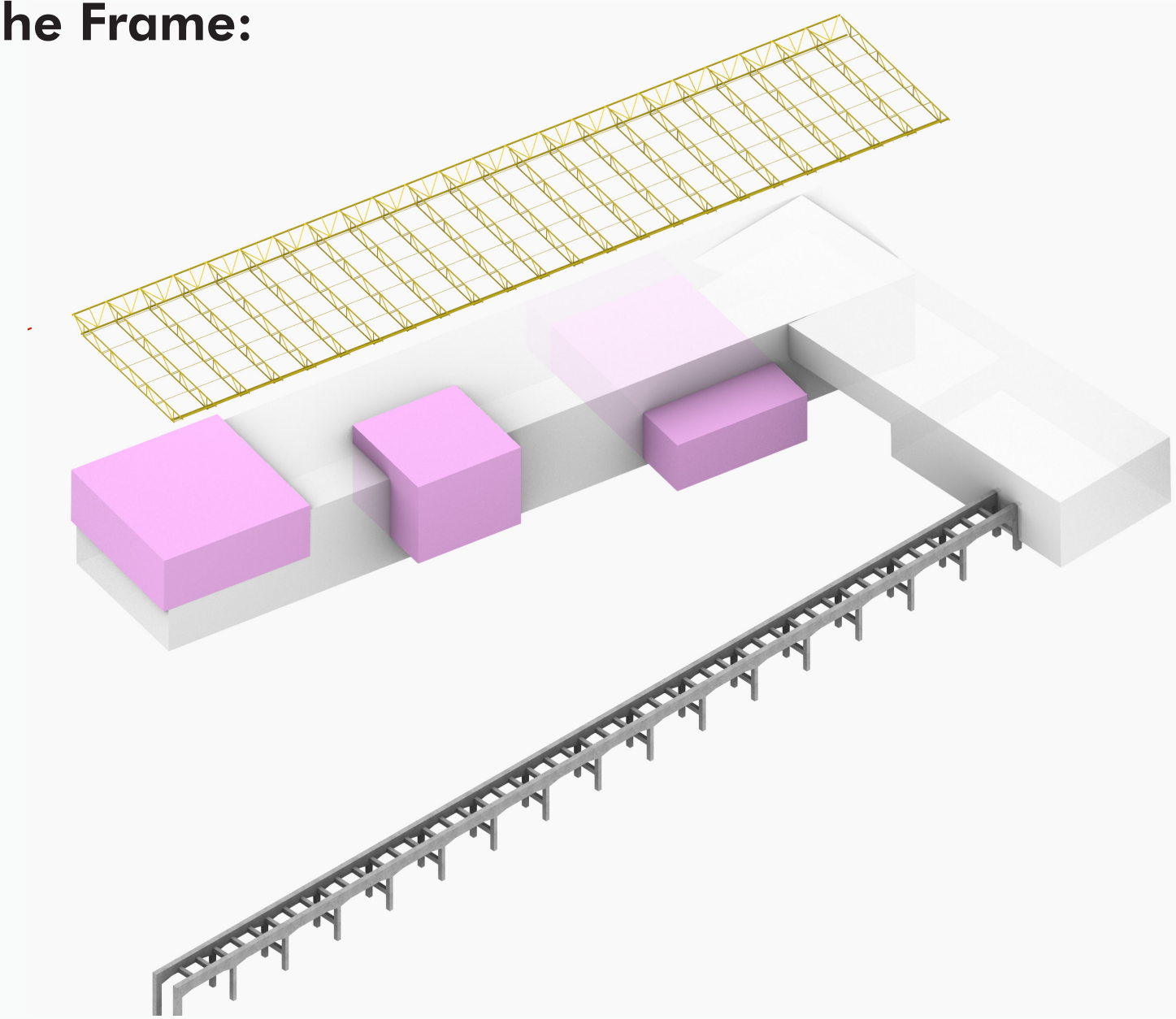
artist dedicated

amenities

technical

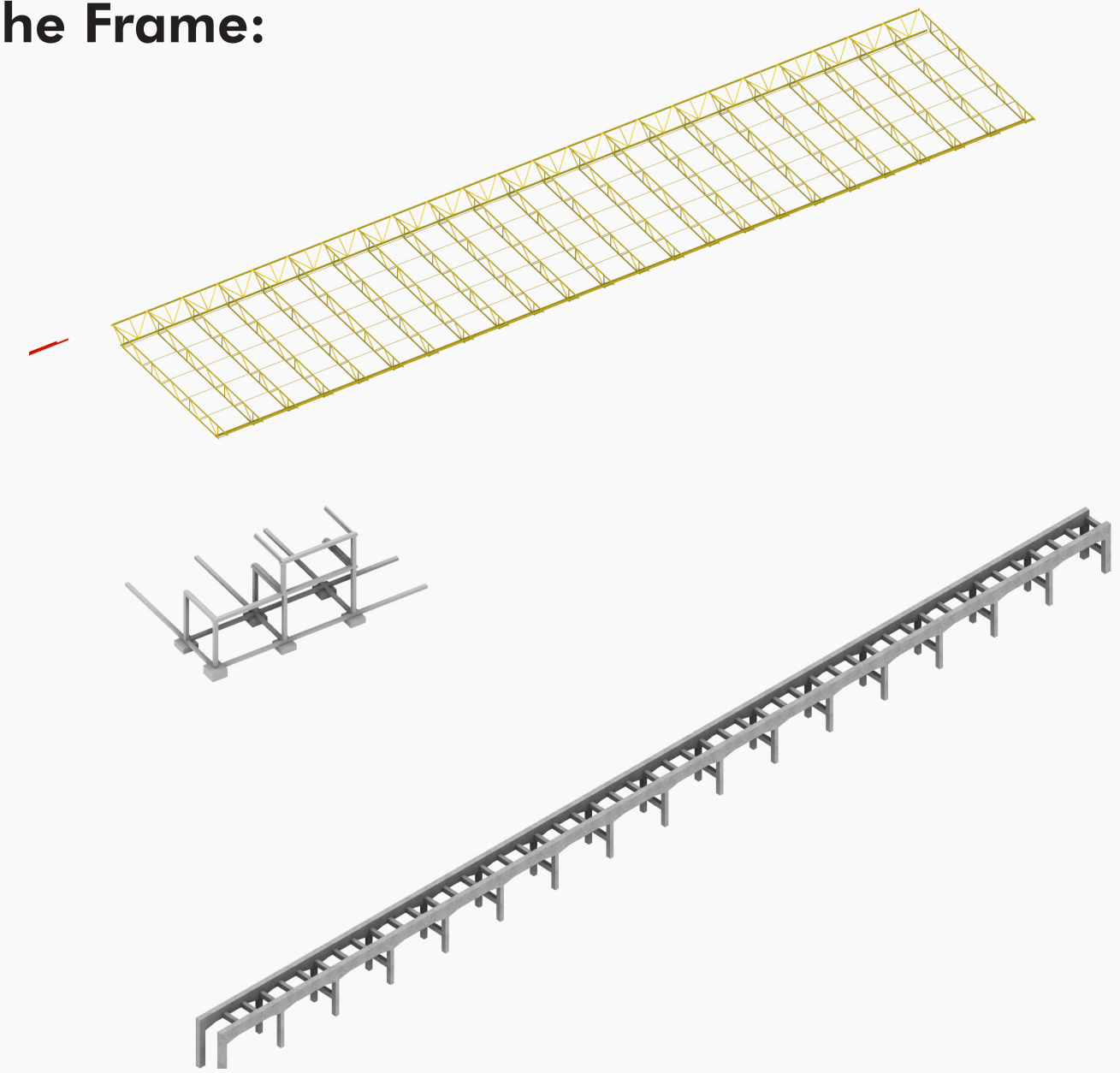
Constructing the Frame:

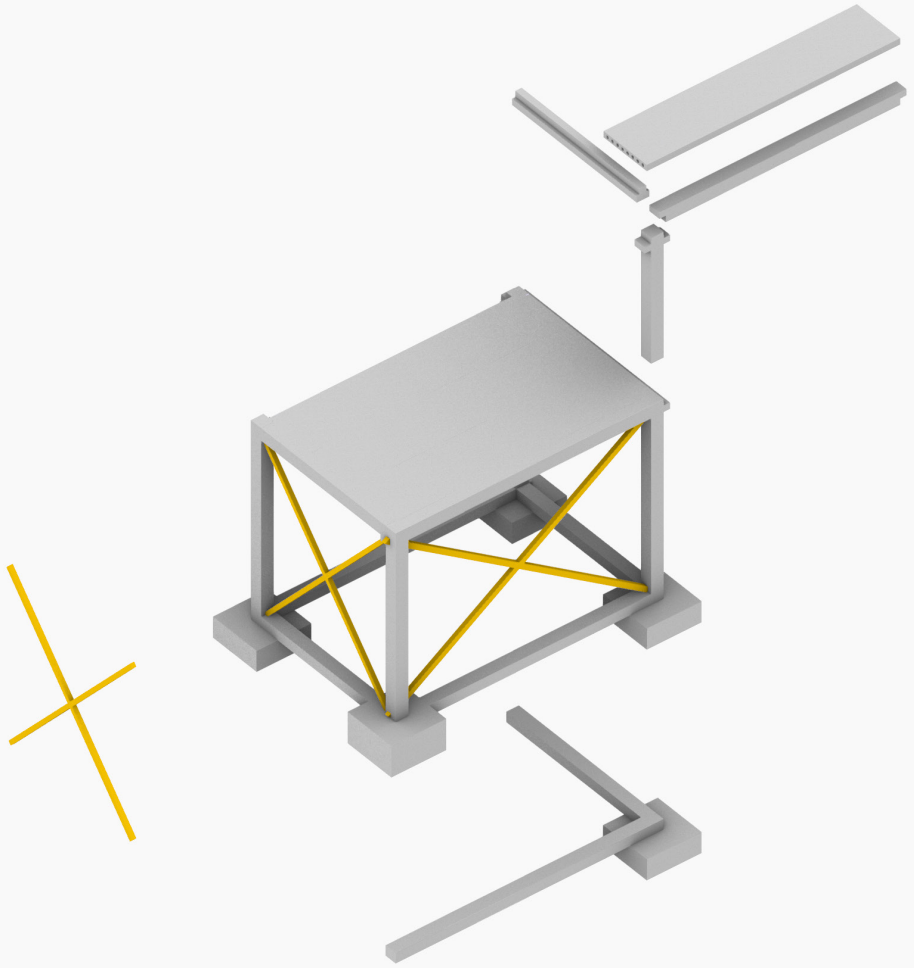
program distribution



Constructing the Frame:

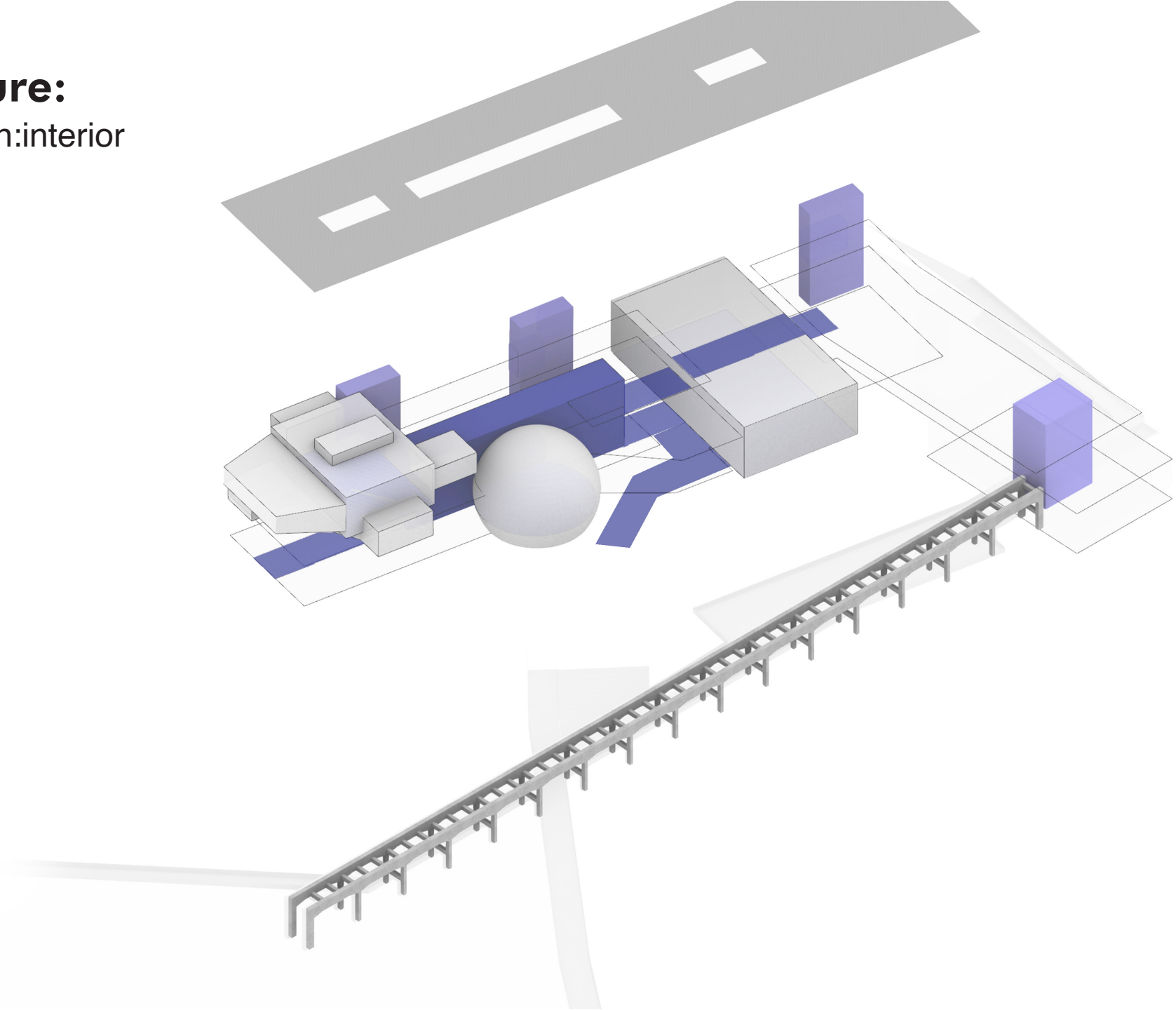
primary structure





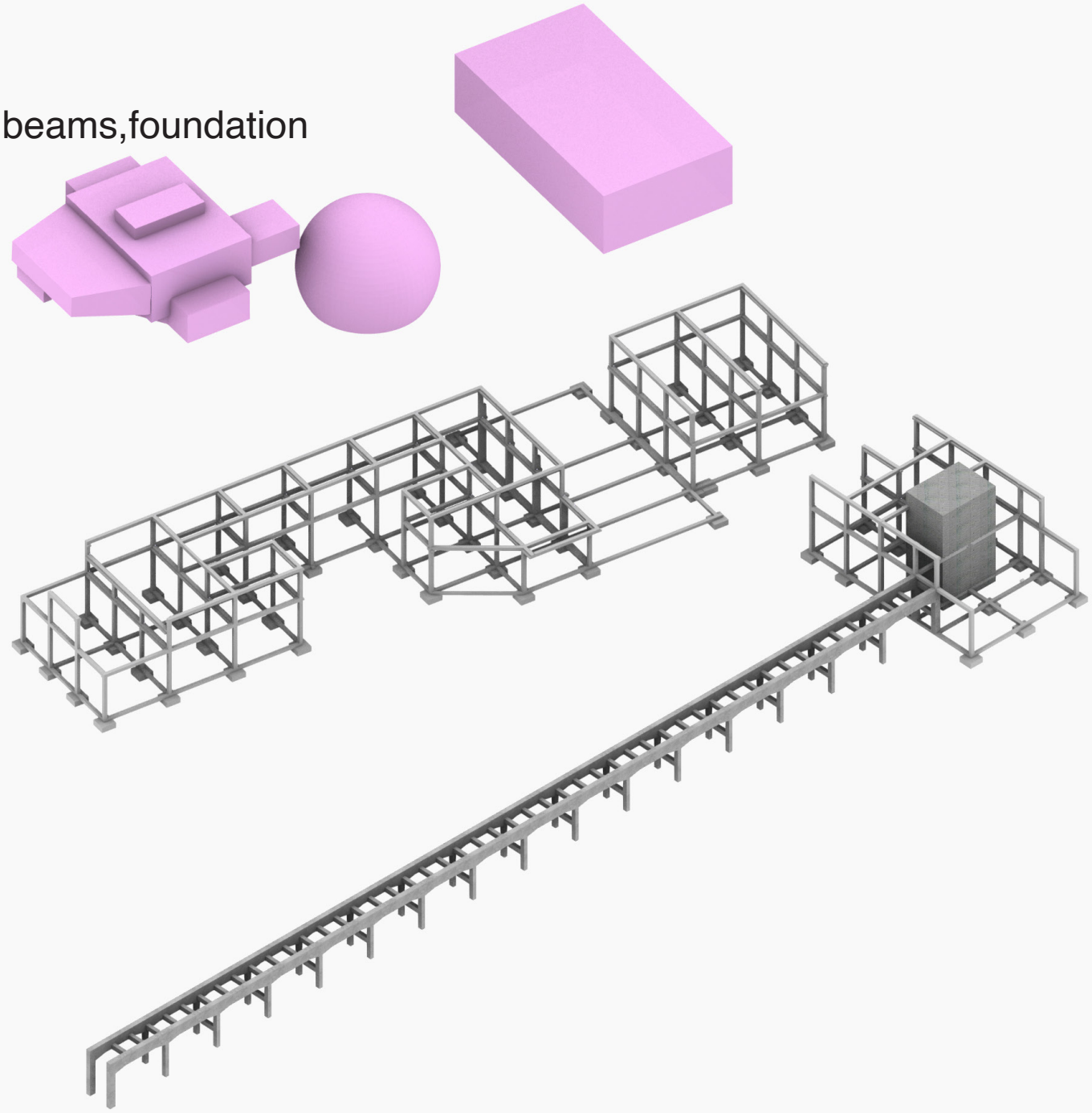
Structure:

circulation:interior



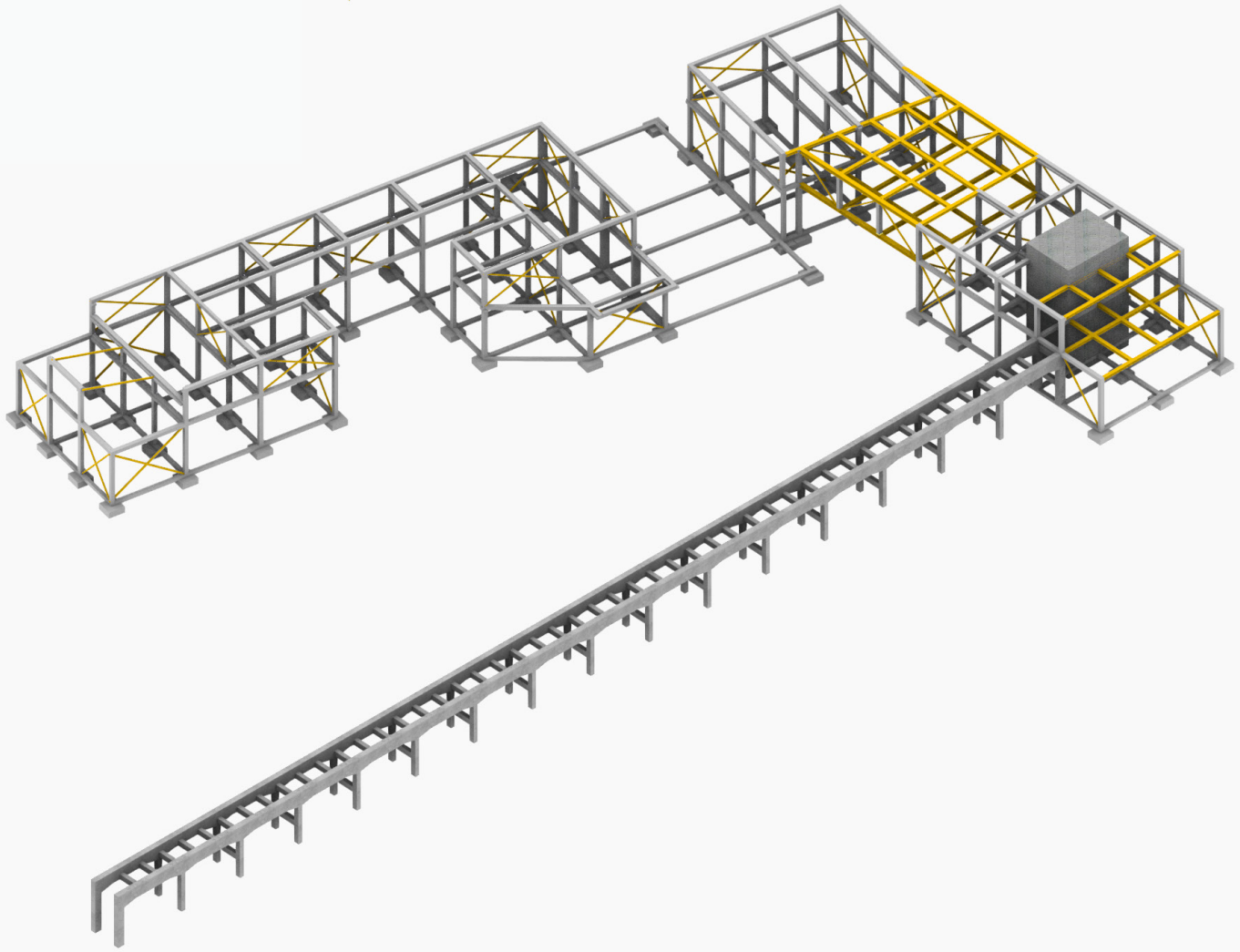
Structure:

primary structure:columns,beams,foundation



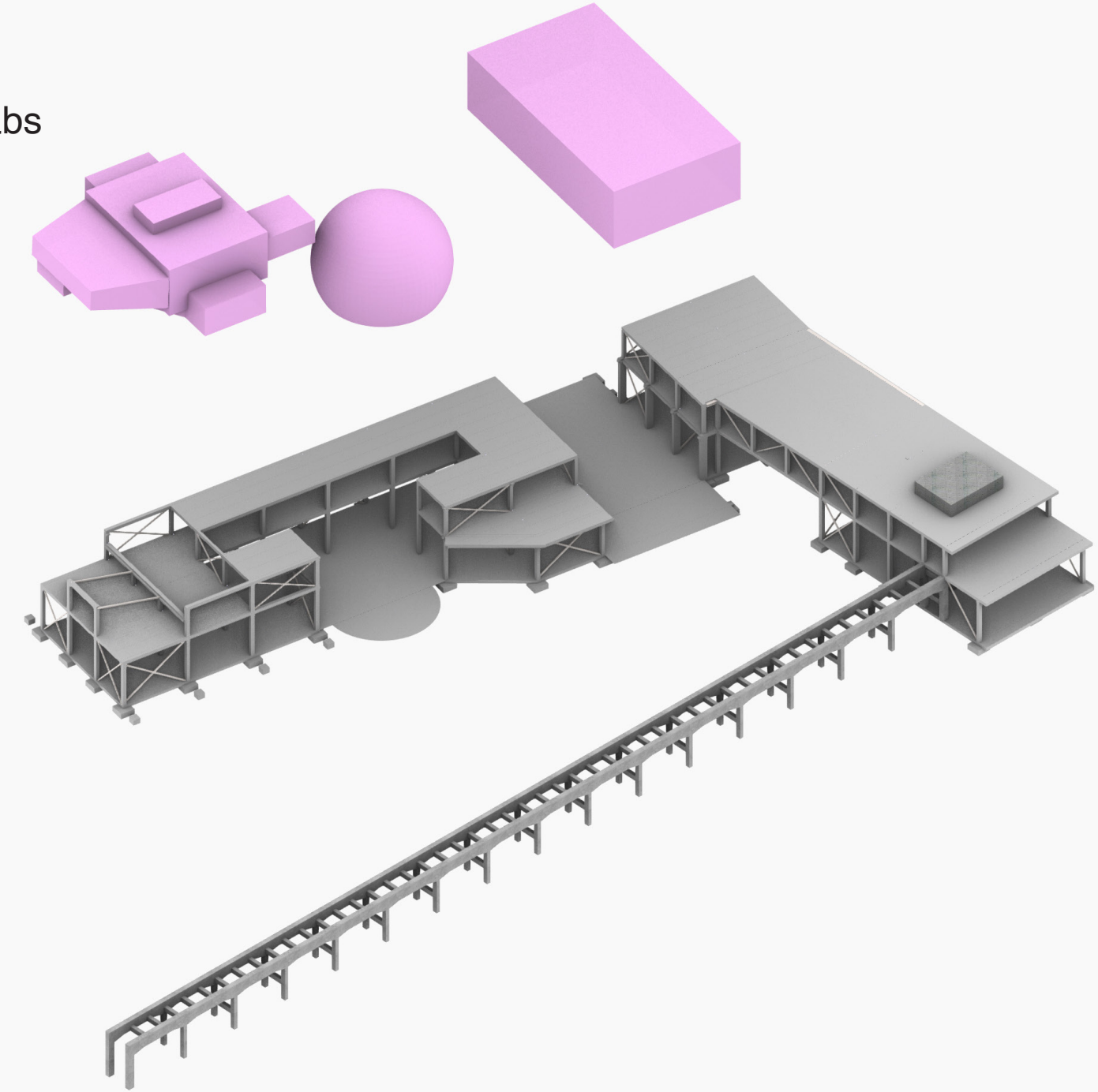
Structure:

primary structure:bracings



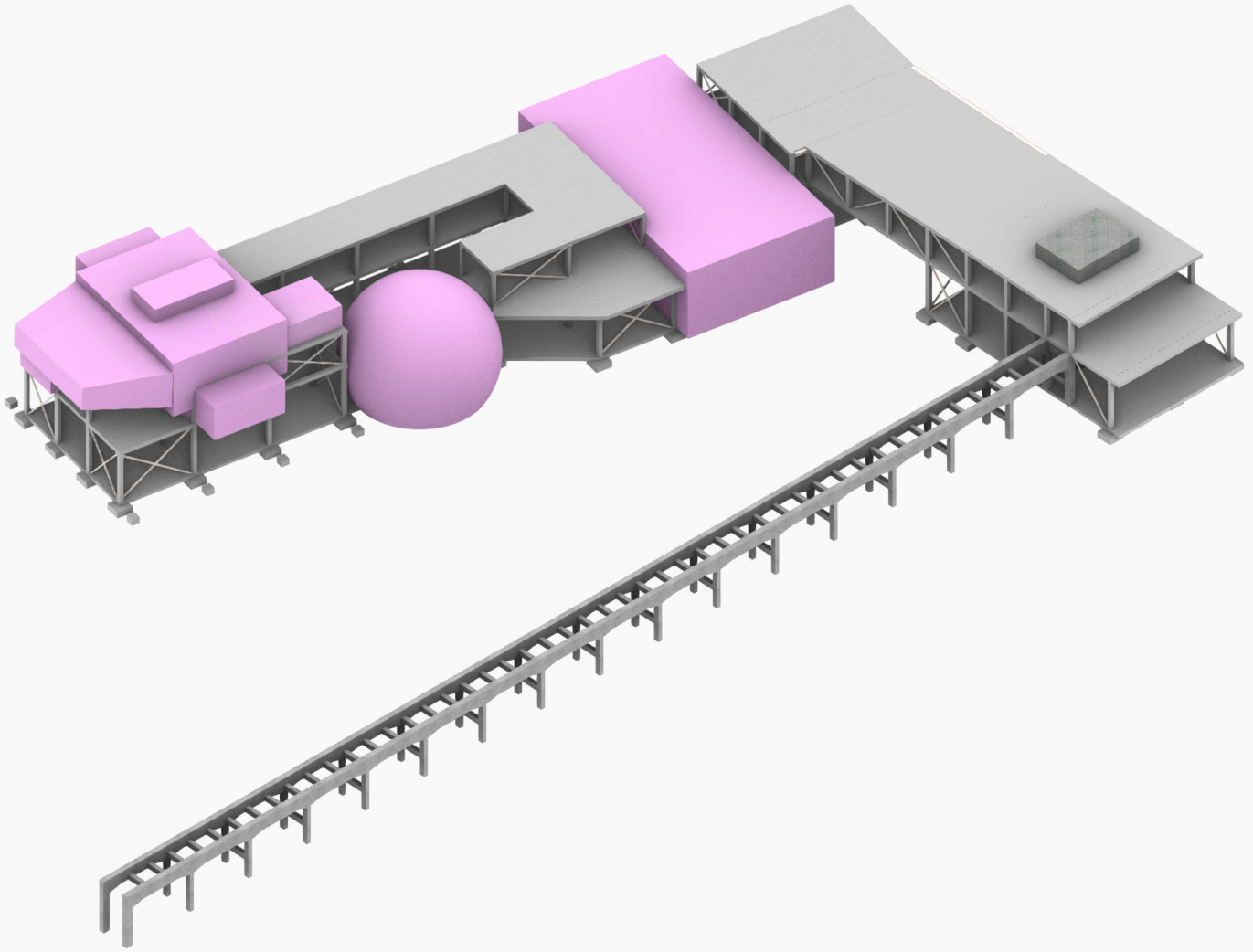
Structure:

primary structure:floor slabs



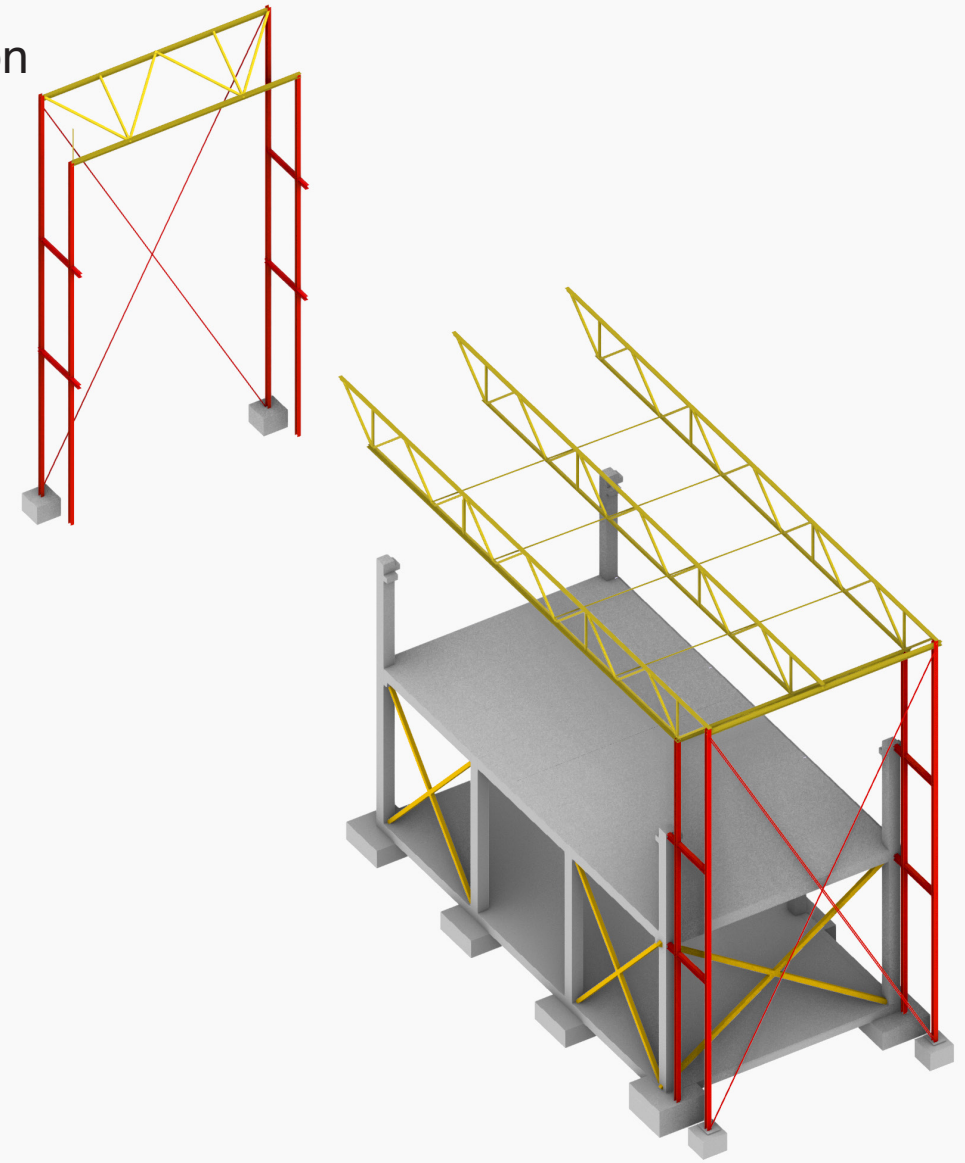
Structure:

exceptions:venues



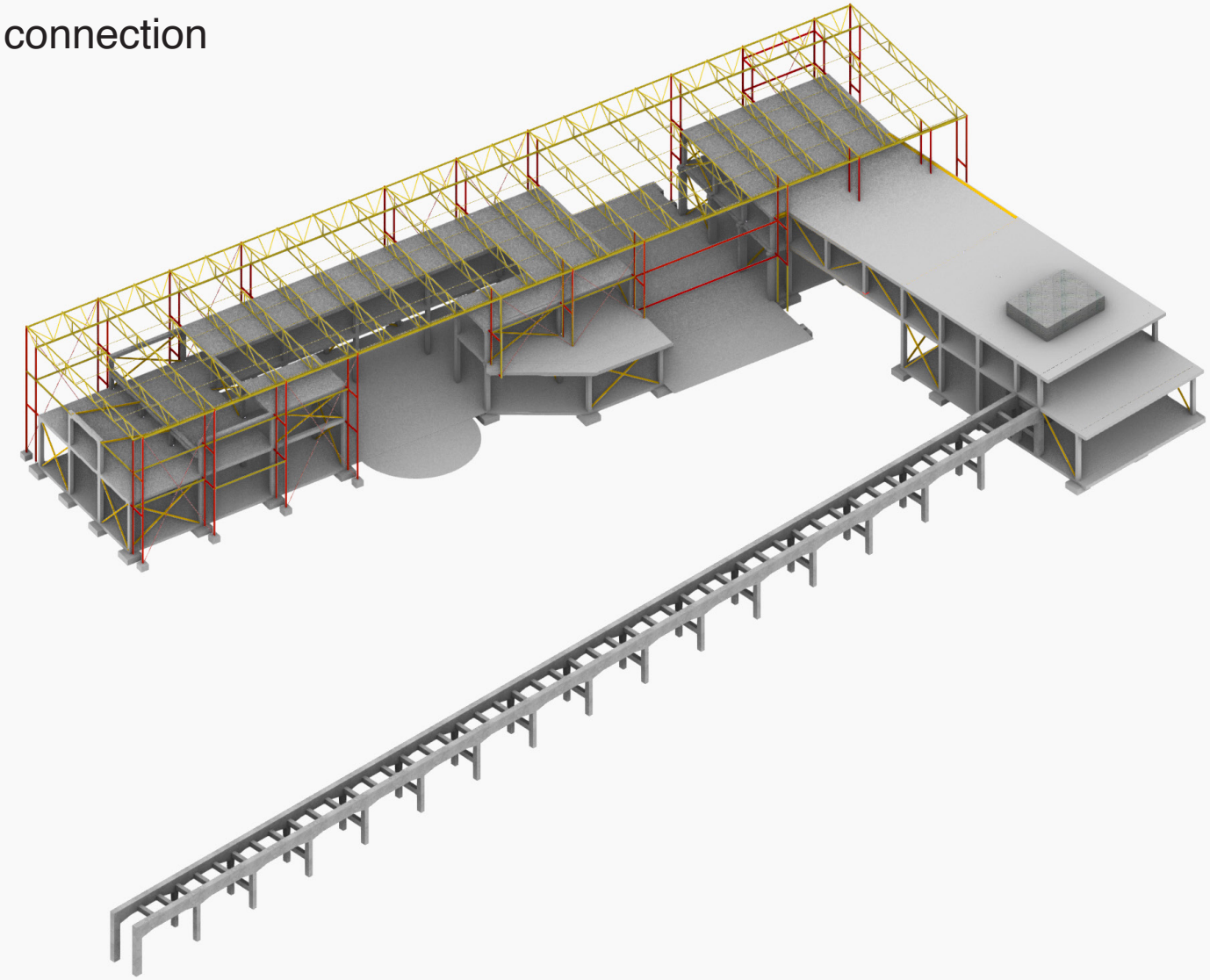
Structure:

primary structure/roof connection



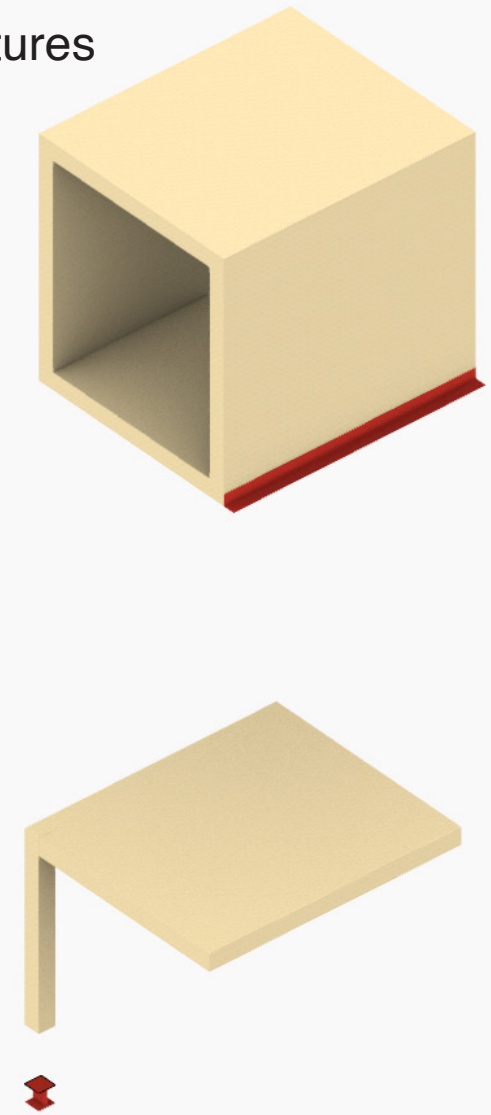
Structure:

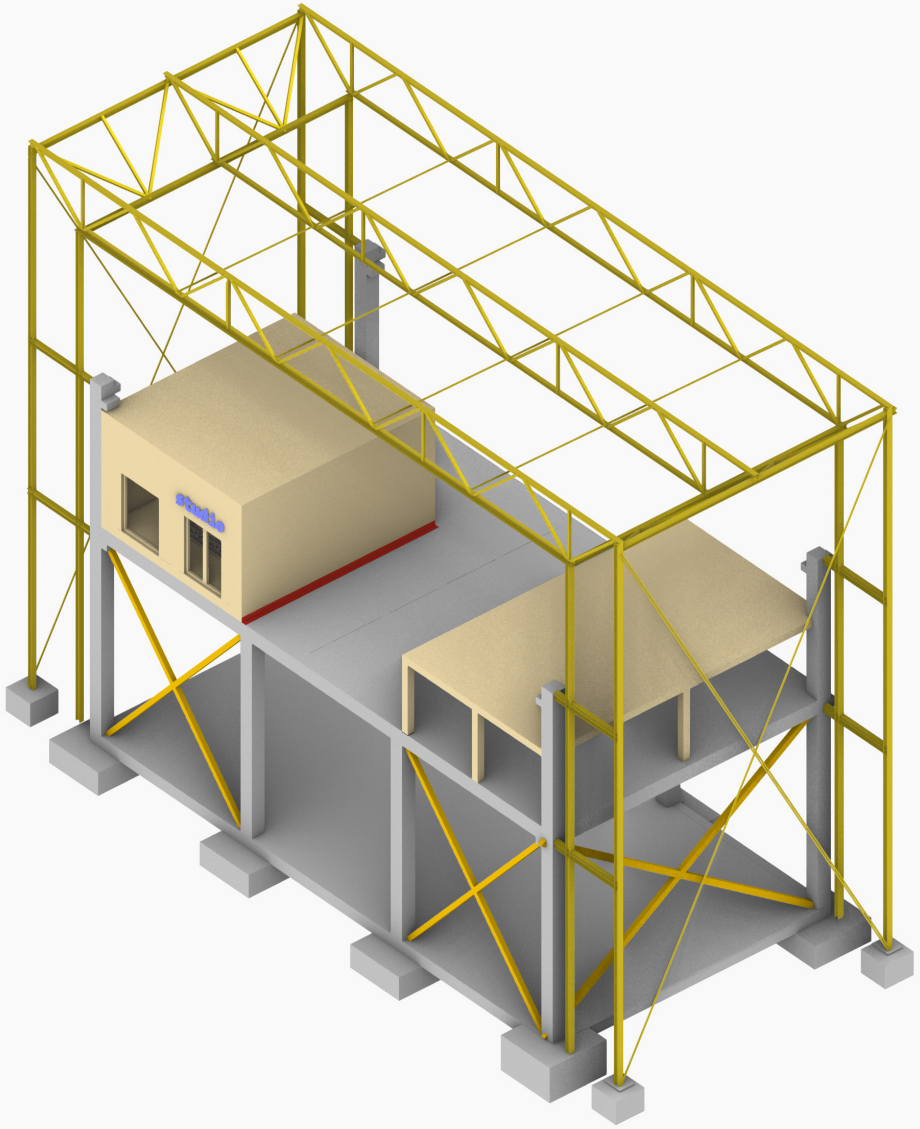
primary structure/roof connection



Structure:

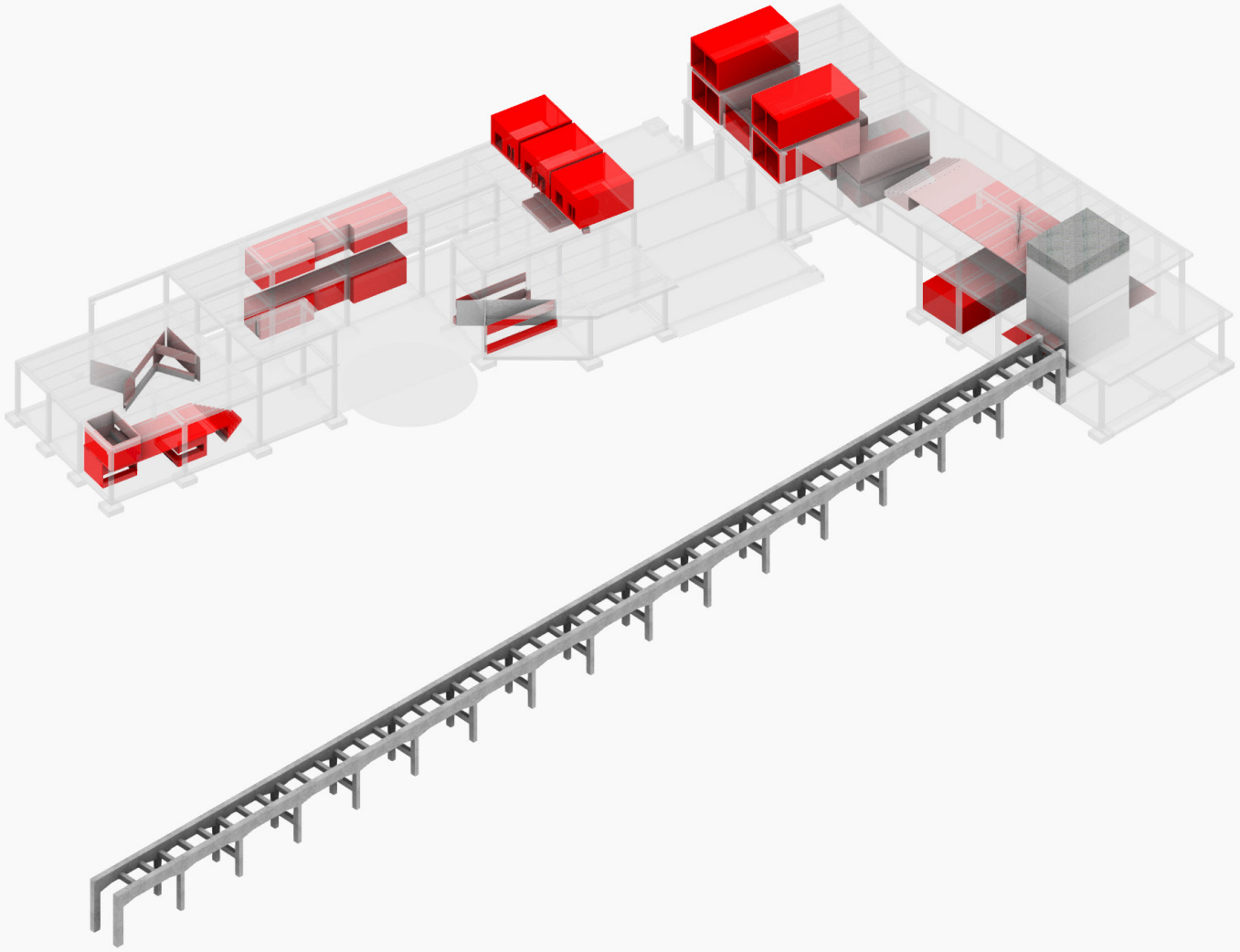
secondary structures





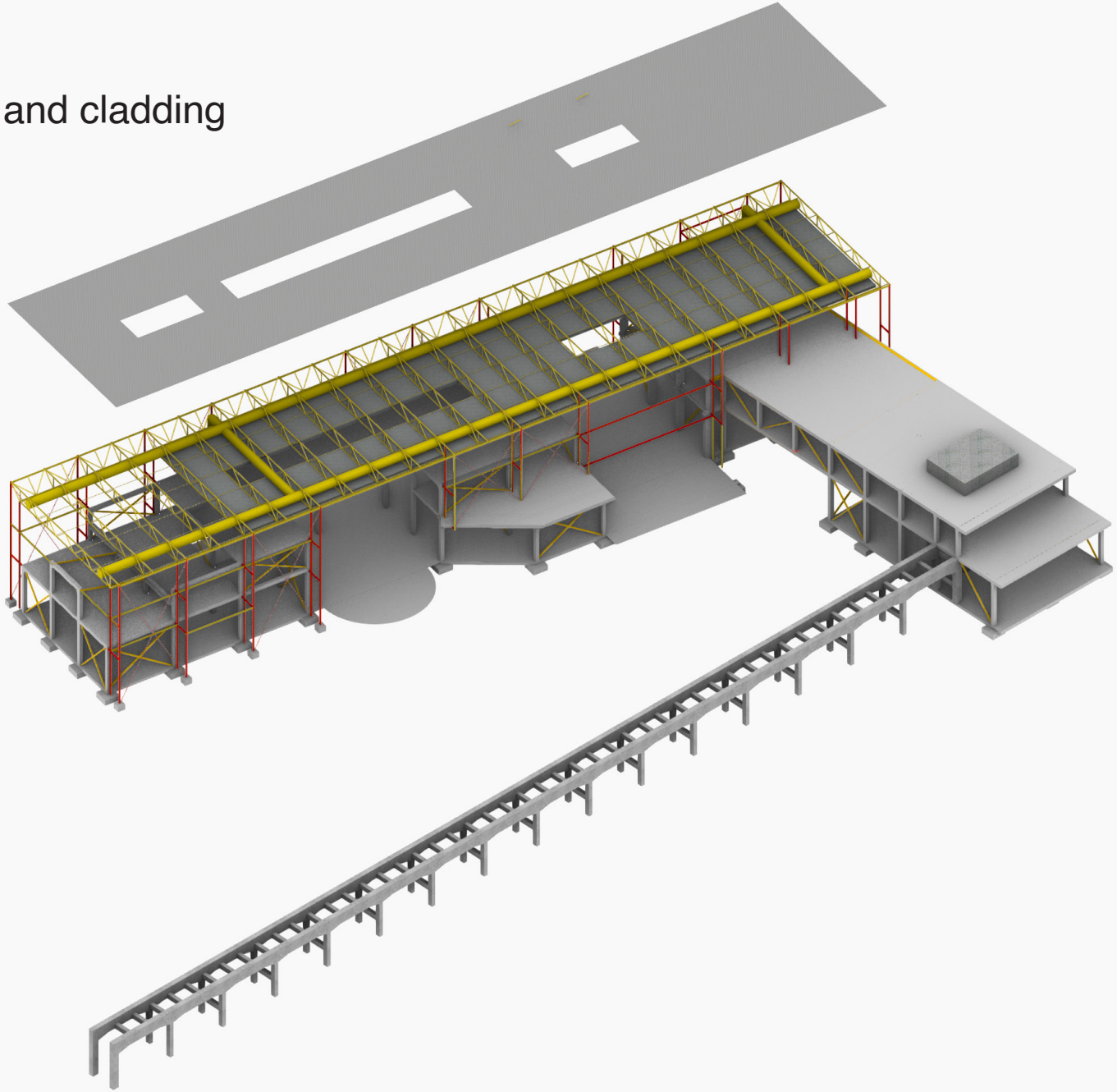
Structure:

secondary structures



Structure:

roof structure services and cladding



Structure:

facade:climate control

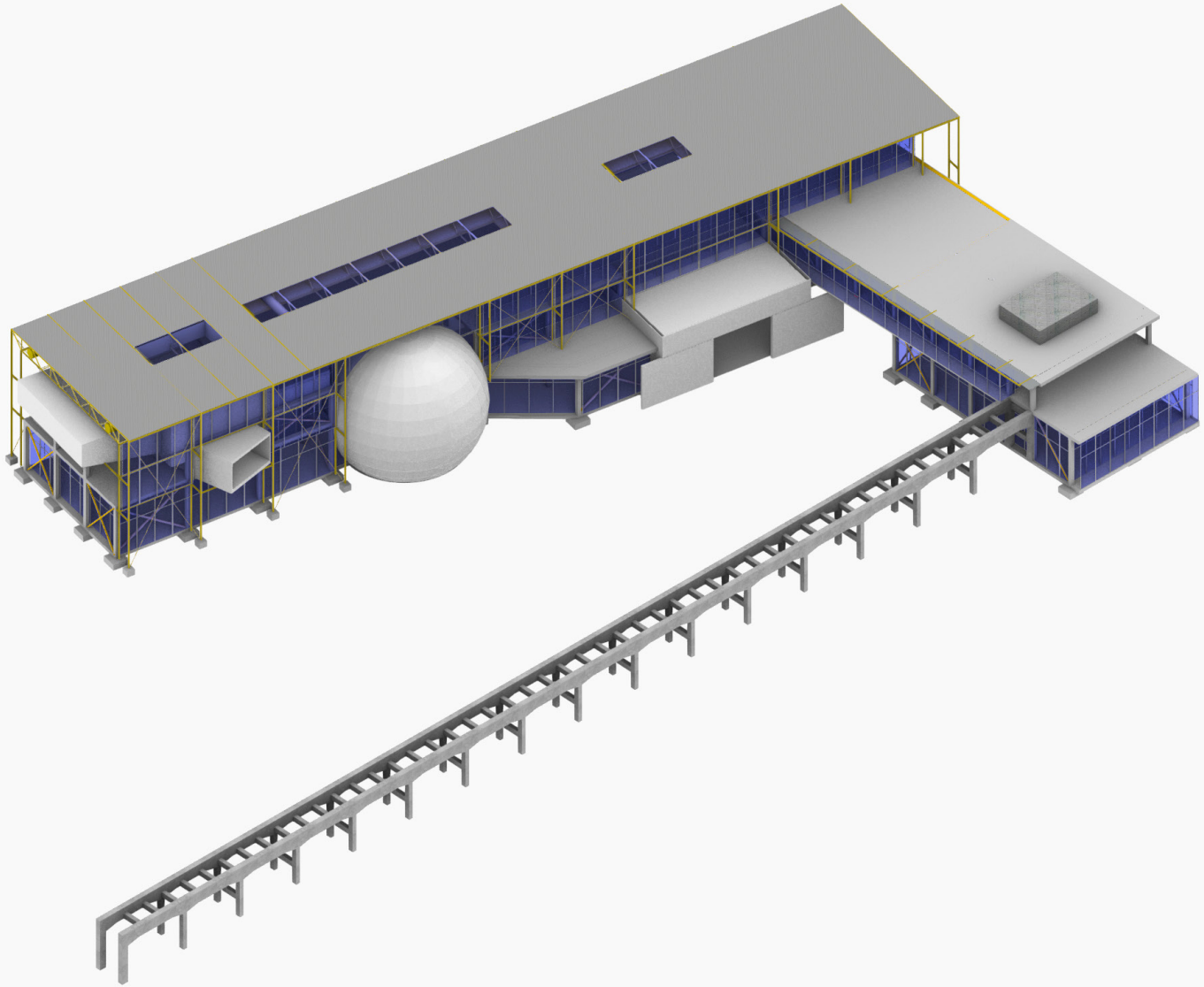
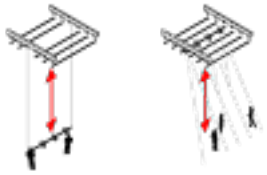
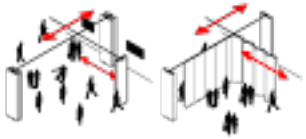


Image:

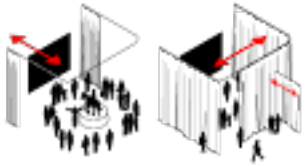
tertiary structures/venues



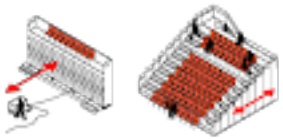
stage rigging



acoustic movable partitions



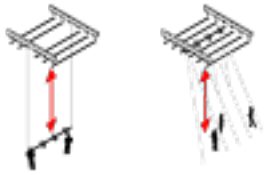
curtains



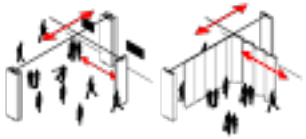
retractable tribunes

Image:

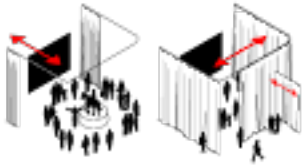
tertiary structures/venues



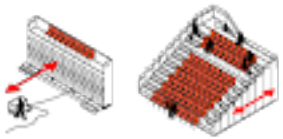
stage rigging



acoustic movable partitions

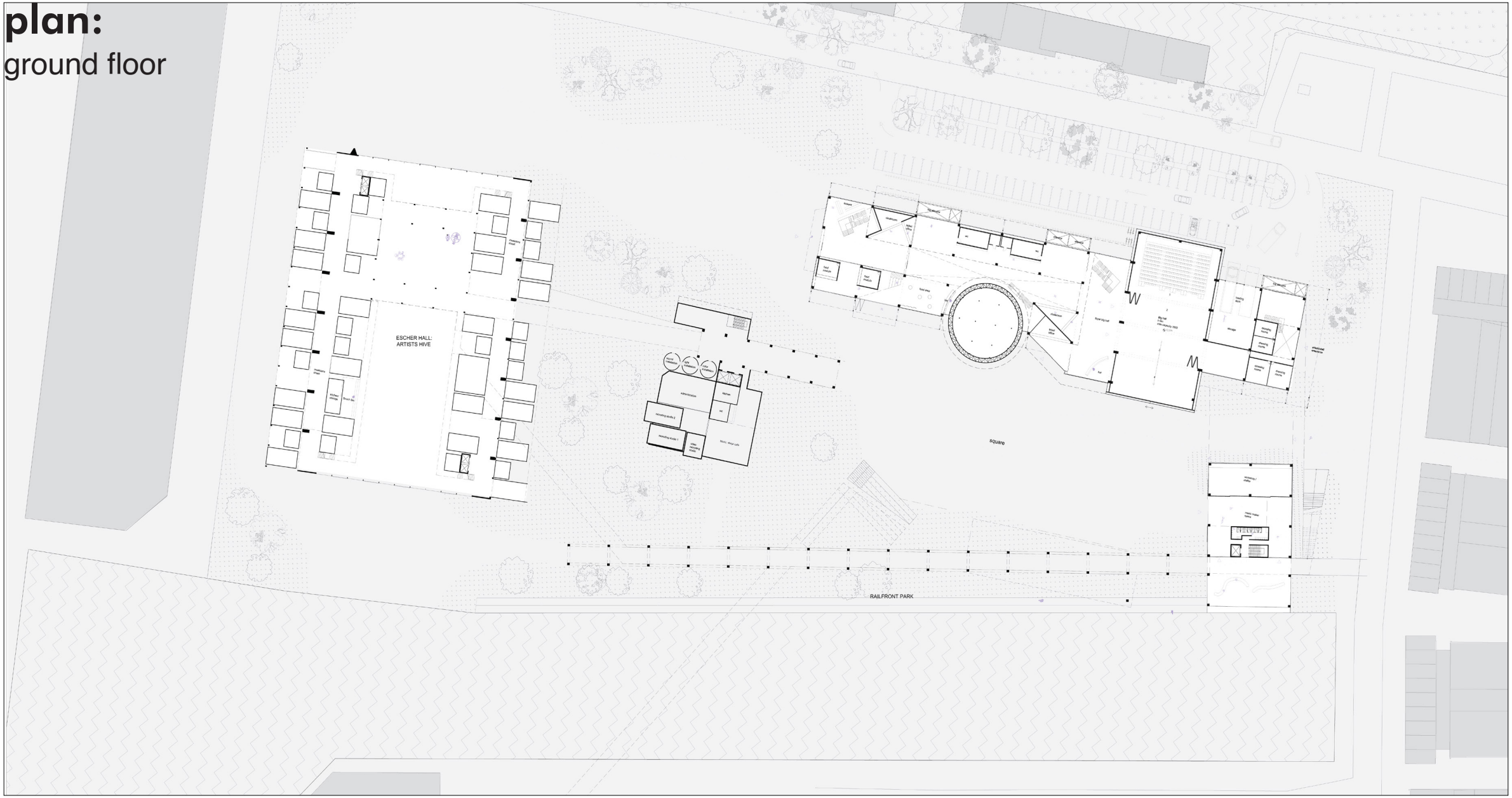


curtains



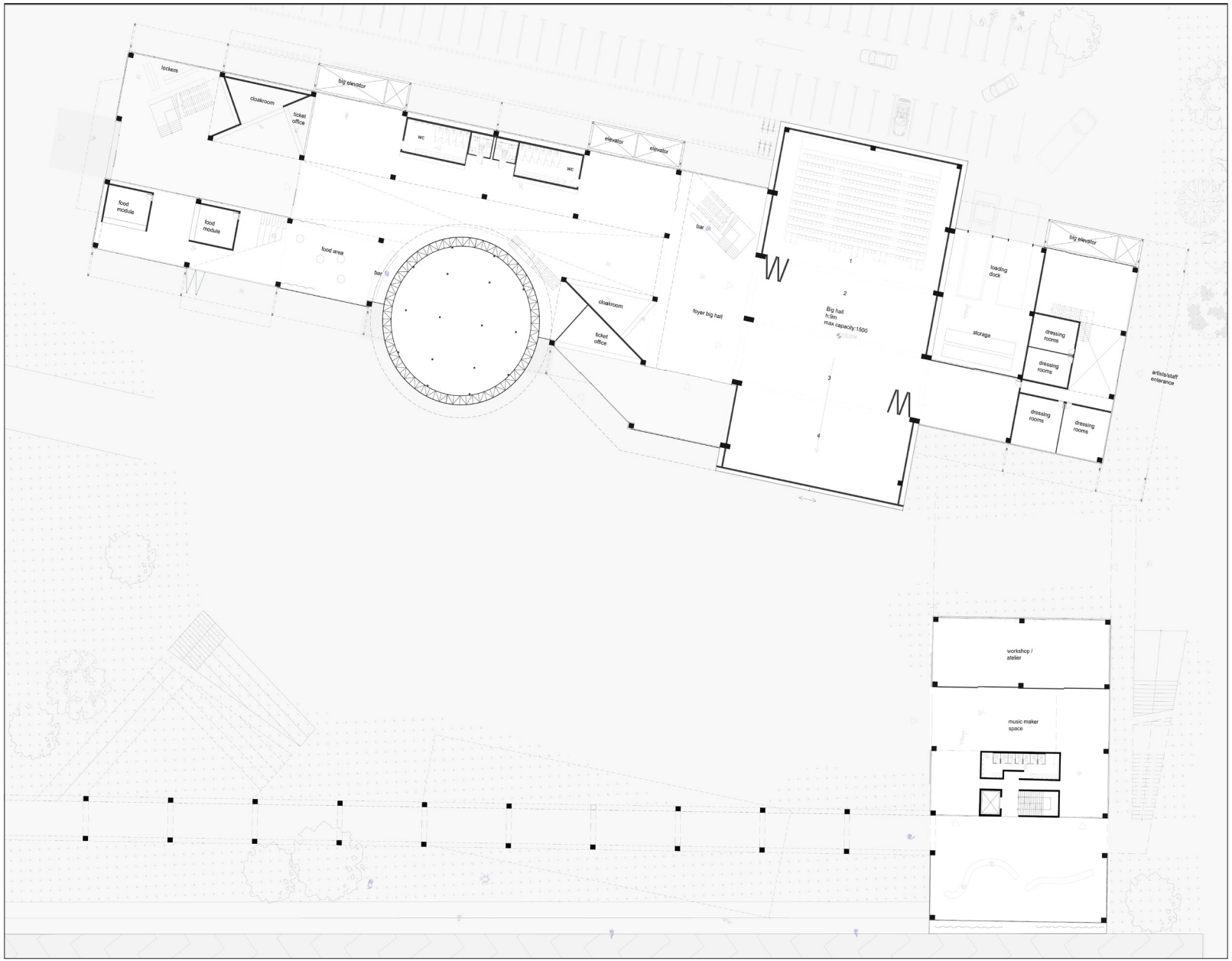
retractable tribunes

plan:
ground floor



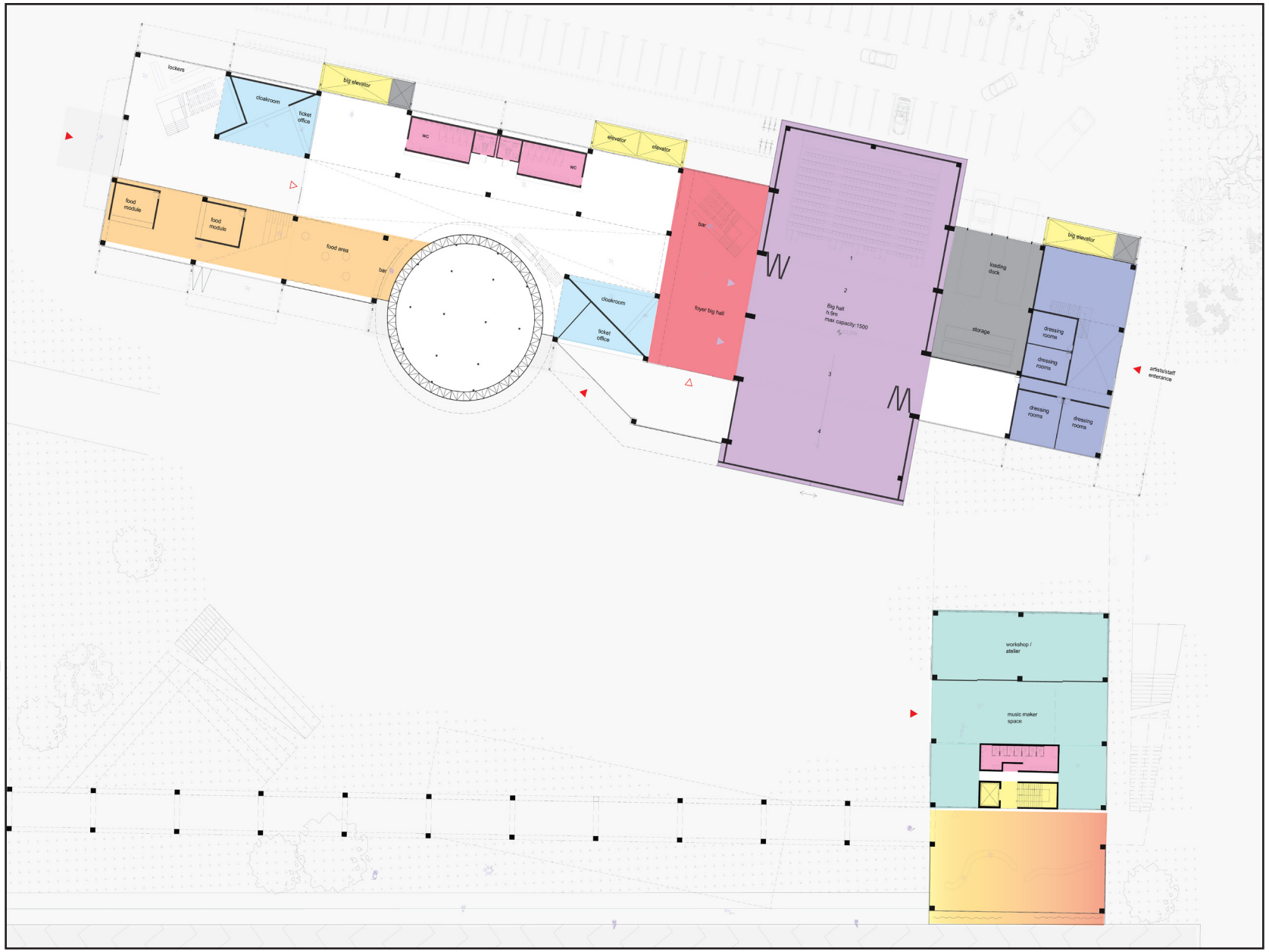
B!NCKHAVEN
music factory

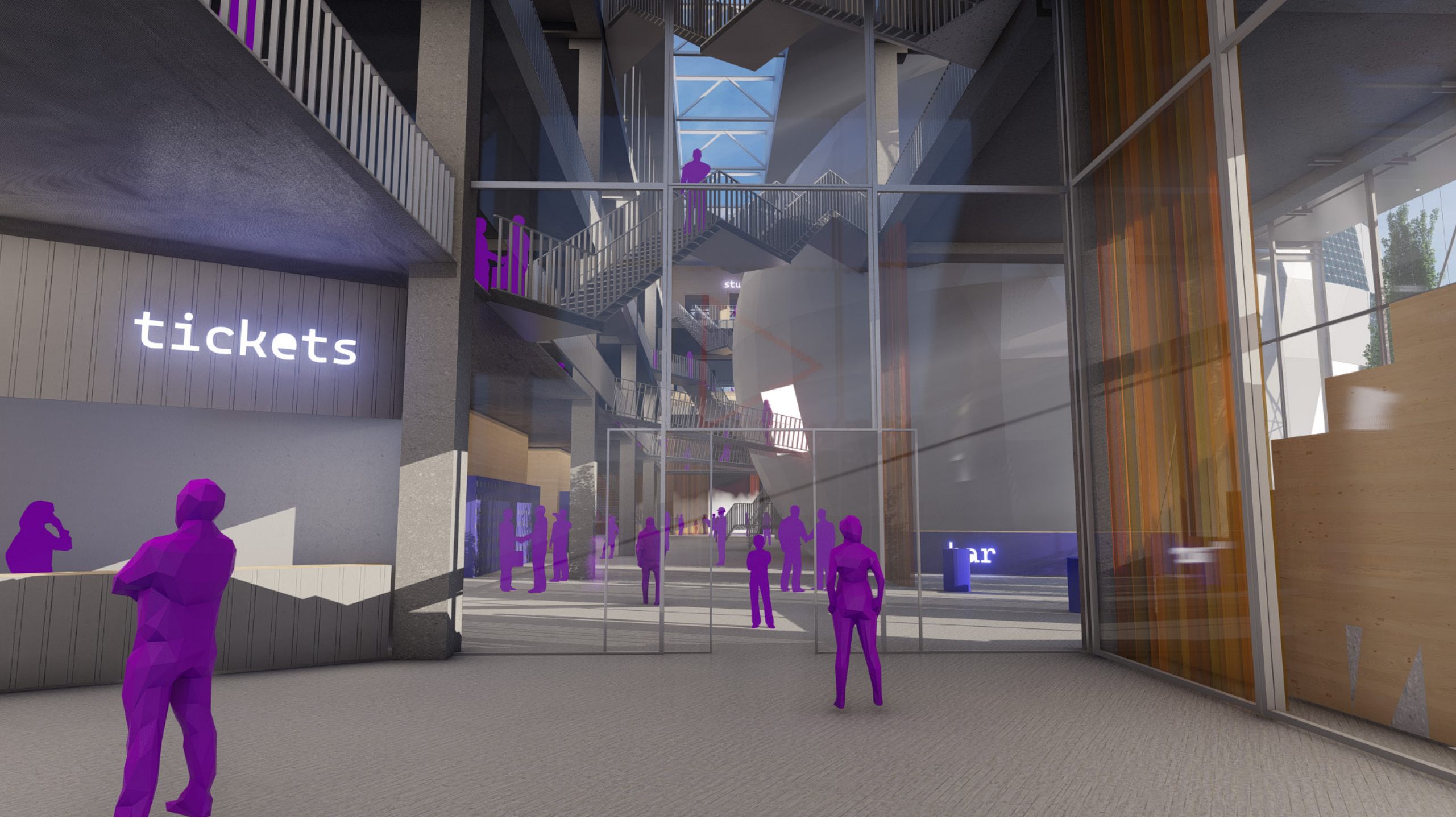
plan:
ground floor



plan:
program

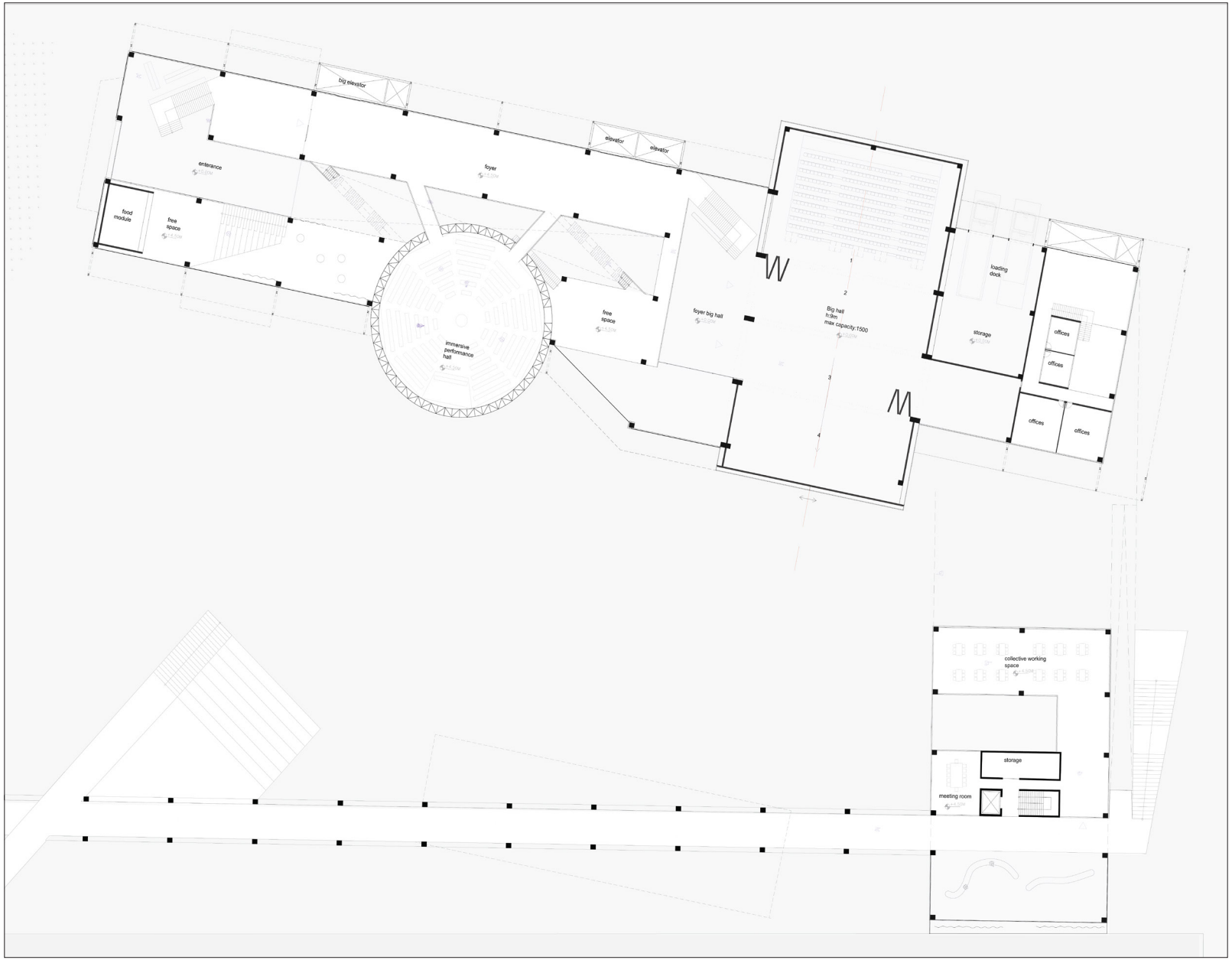
- performance
- research/ education
- artist dedicated
- foyer
- cashier,cloakroom
- eating
- wc
- technical




tickets
bar

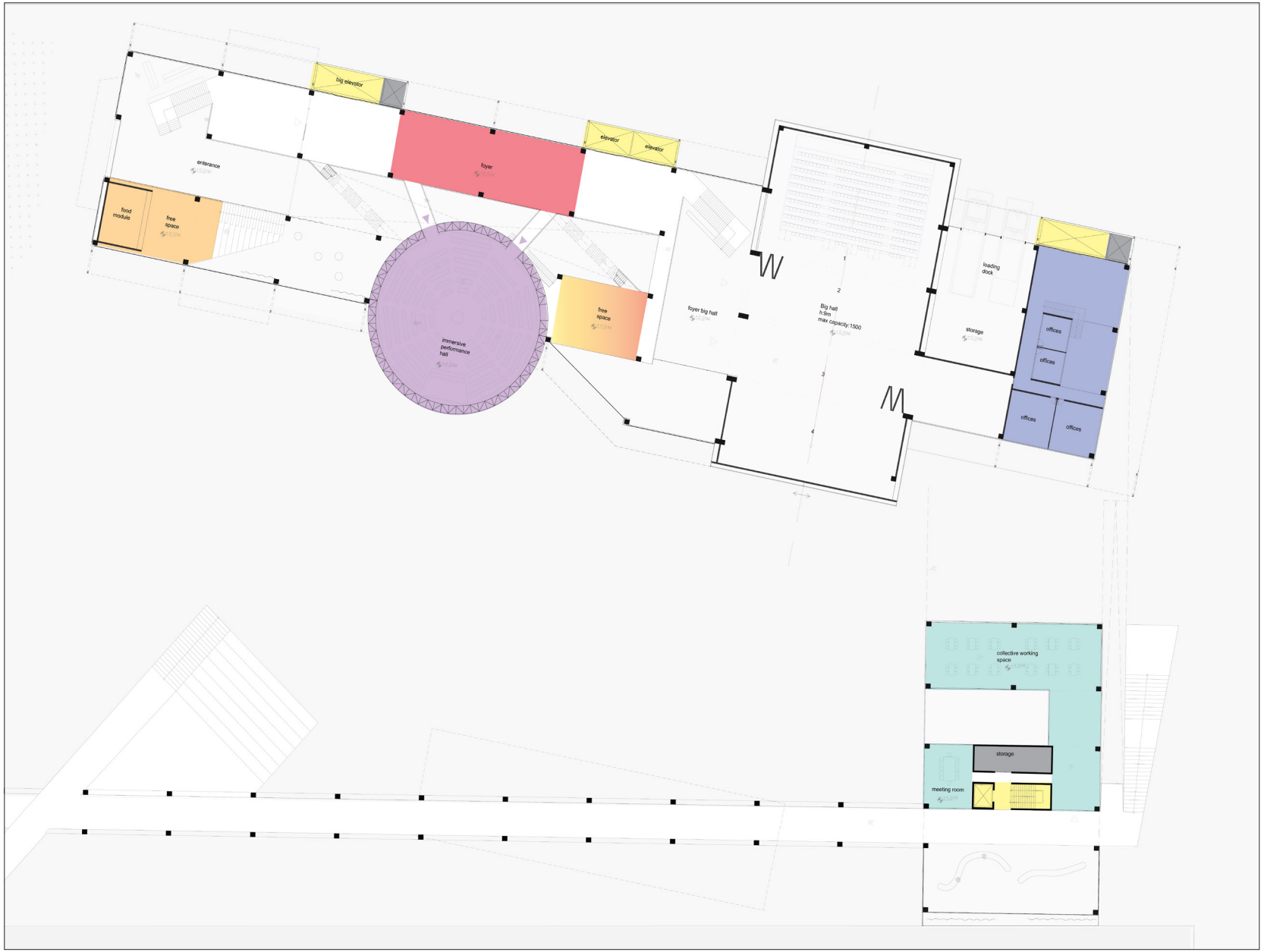
plan:

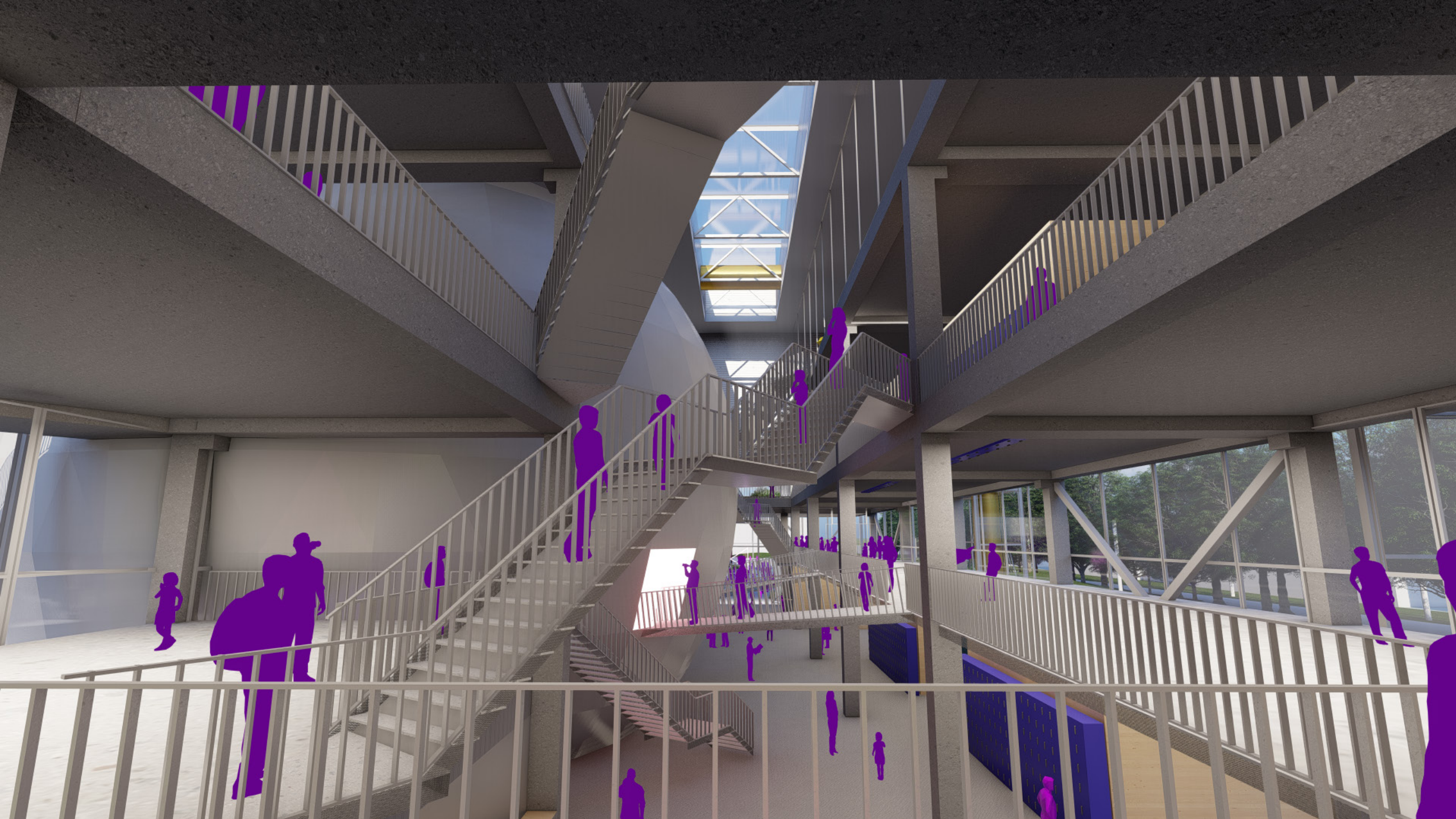
+5.50m


big elevator
elevator
elevator
enterance
foyer
food module
free space
free space
immersive performance hall
foyer big hall
Big hall h:9m max capacity:1500
loading dock
storage
offices
offices
offices
offices
collective working space
storage
meeting room

plan:
program

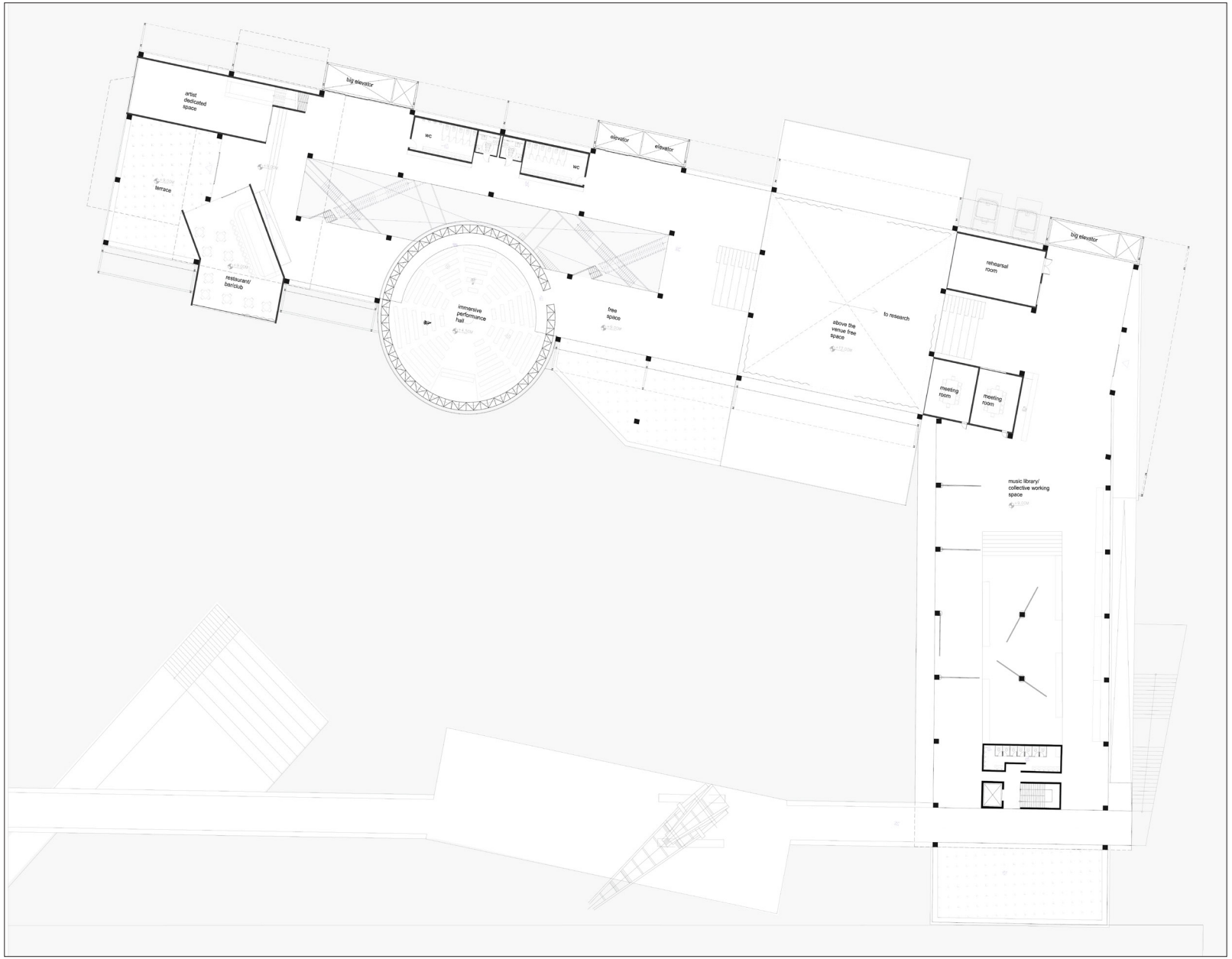
- performance
- research/ education
- artist dedicated
- foyer
- eating
- wc
- technical





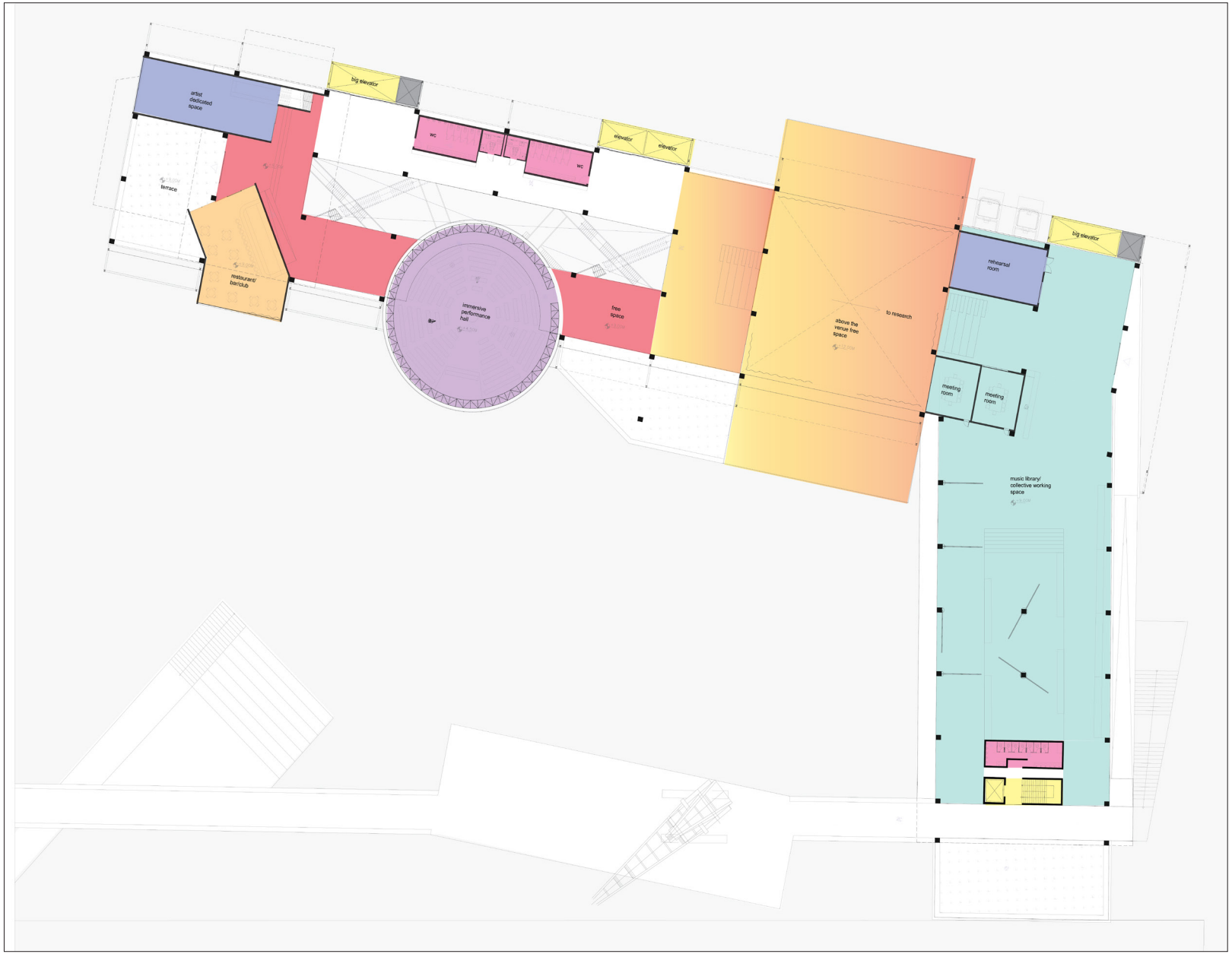
plan:

+10.00m

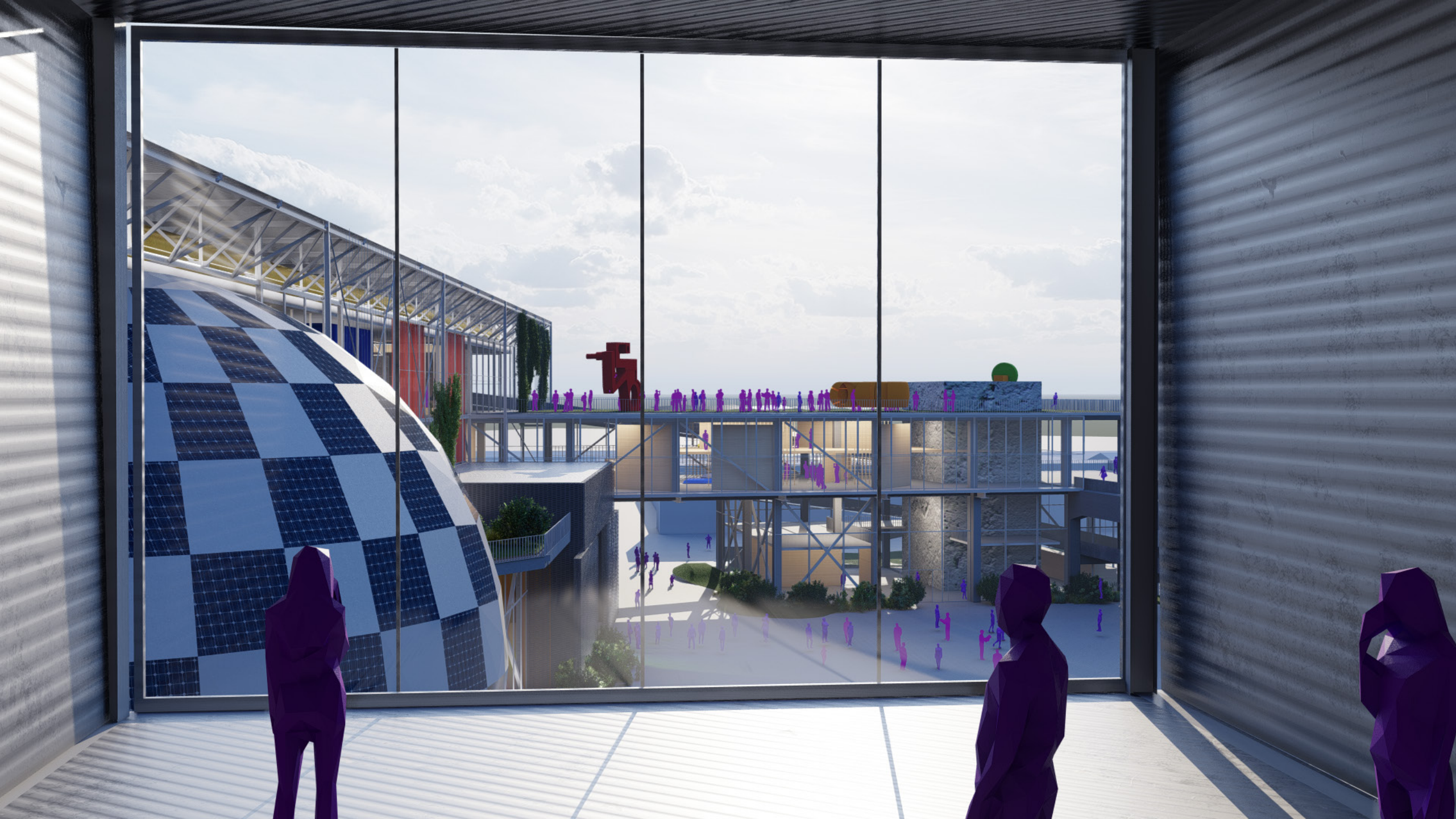

artist dedicated space
big elevator
wc
wc
elevator
elevator
terrace
restaurant/ bar/club
immersive performance hall
bar
free space
above the venue free space
to research
big elevator
rehearsal room
meeting room
meeting room
music library/ collective working space

plan:
program

- free space
- performance
- research/ education
- artist dedicated
- foyer
- eating
- wc

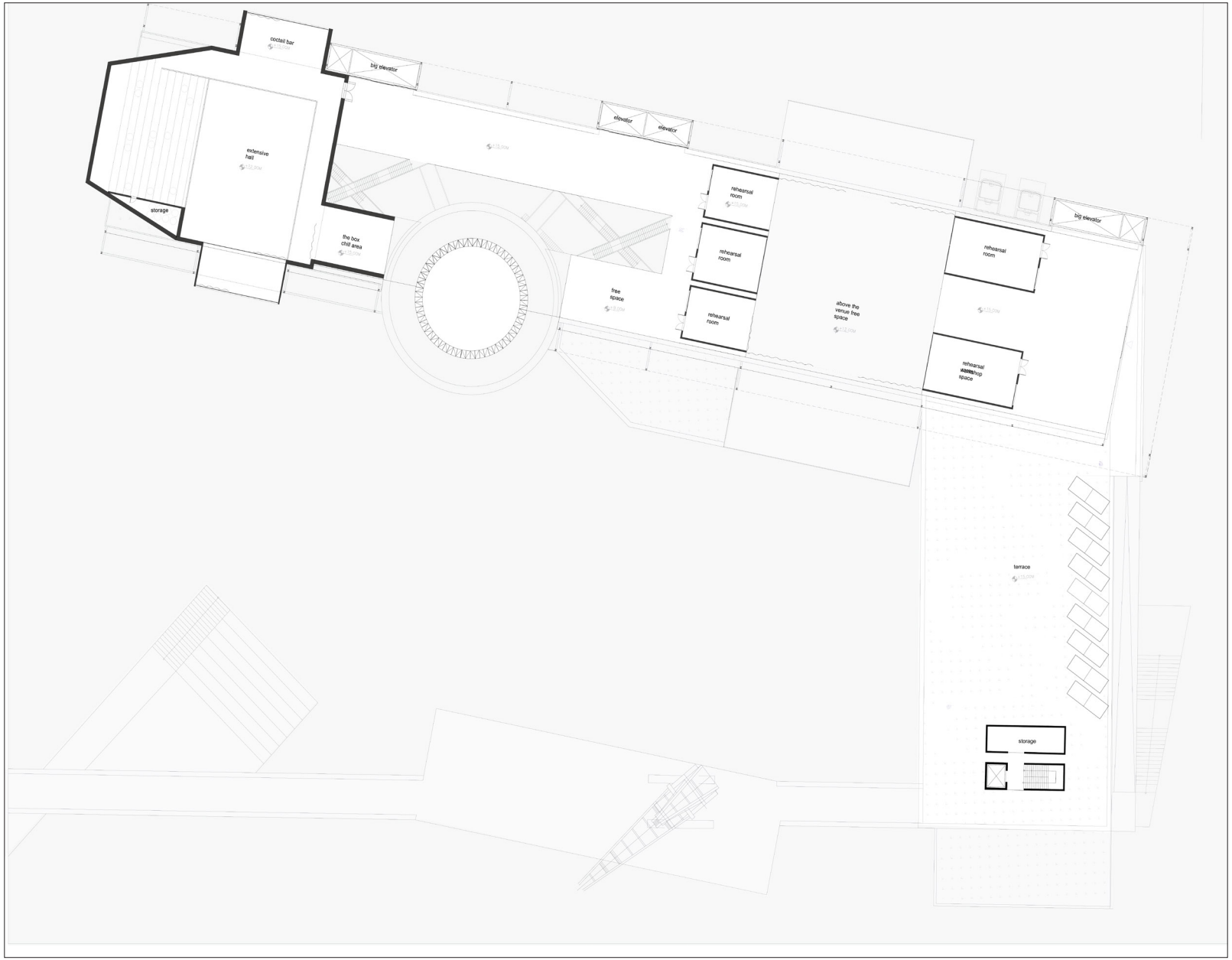


Tunes
PASSION

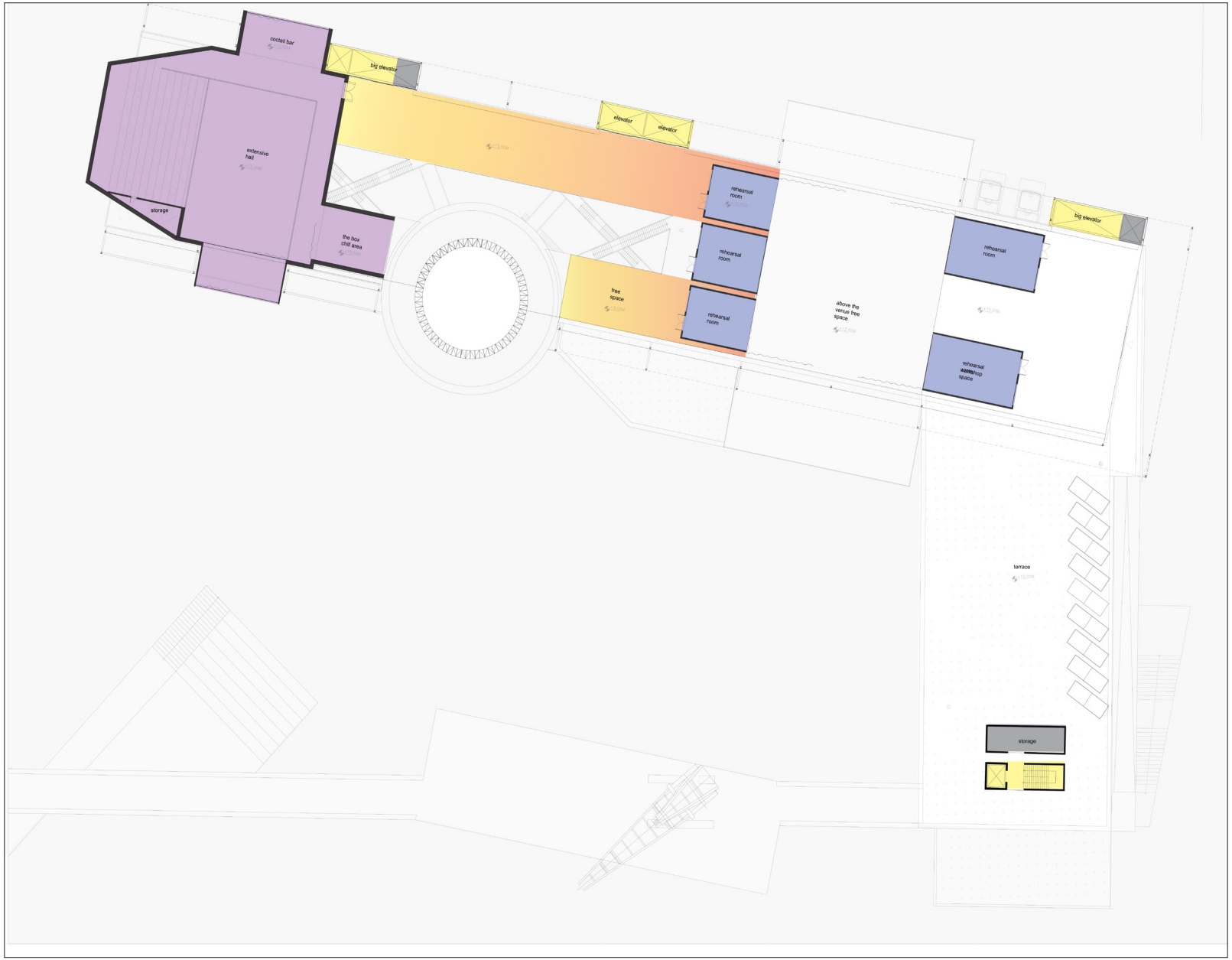


plan:

+16.00m

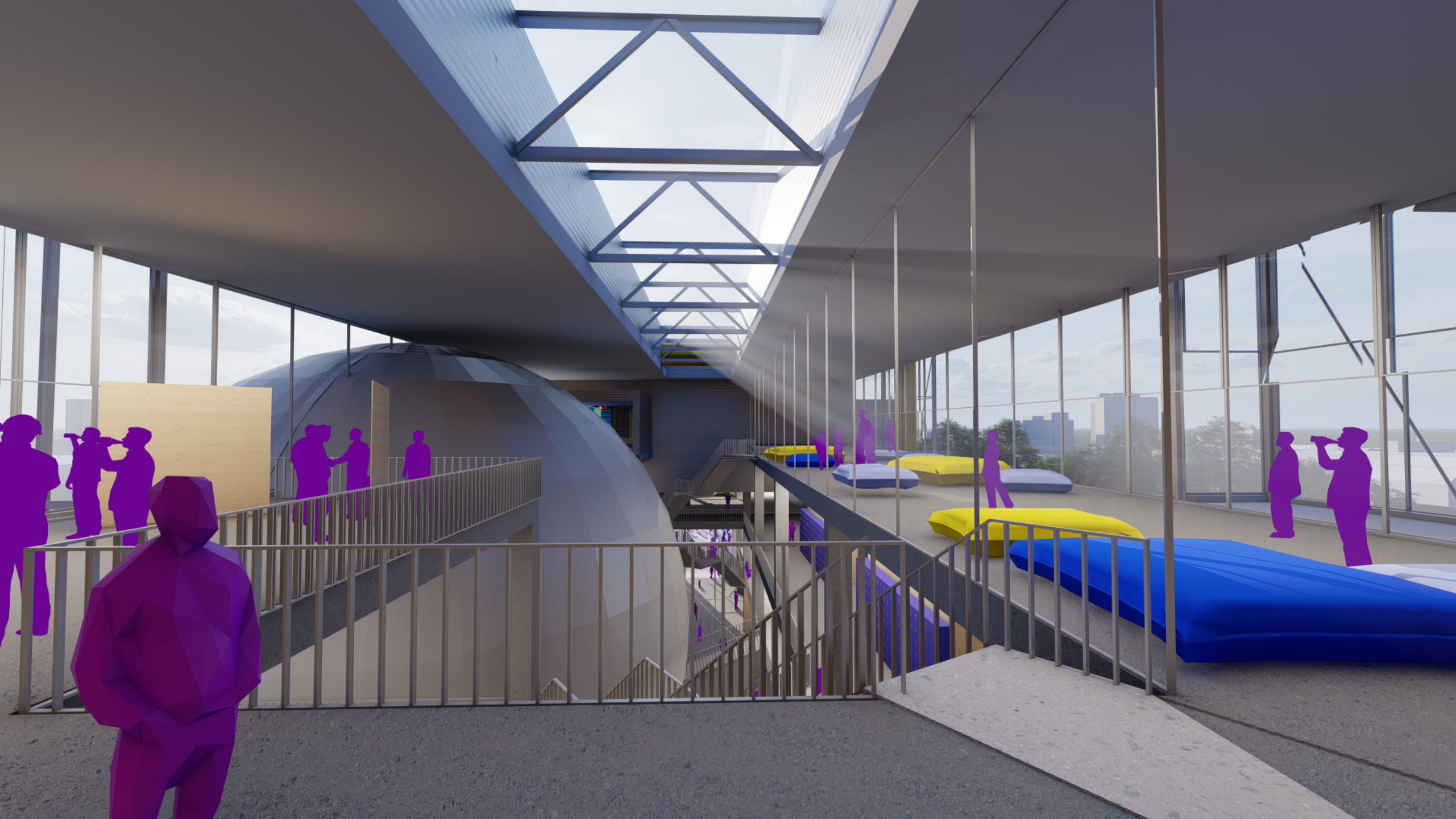

cocktail bar
big elevator
elevator
elevator
extensive hall
storage
the box chill area
free space
rehearsal room
rehearsal room
rehearsal room
above the venue free space
rehearsal room
big elevator
rehearsal space
terrace
storage

plan:
program



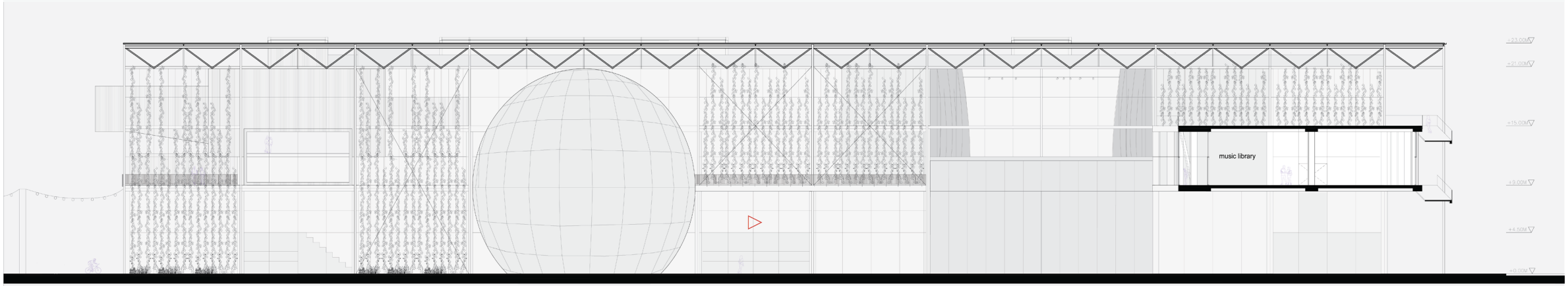
- free space
- performance
- artist dedicated
- eating
- wc
- technical

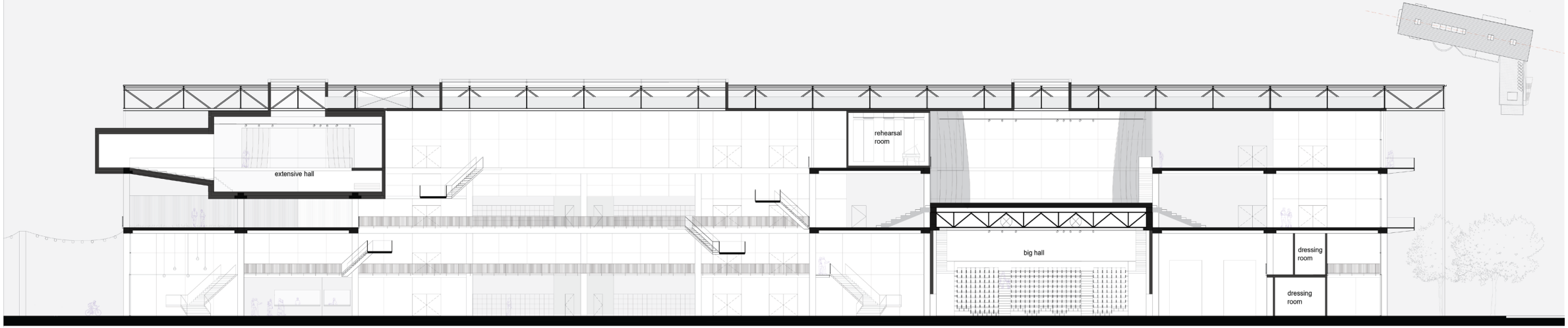
studio
studio
studio



section:

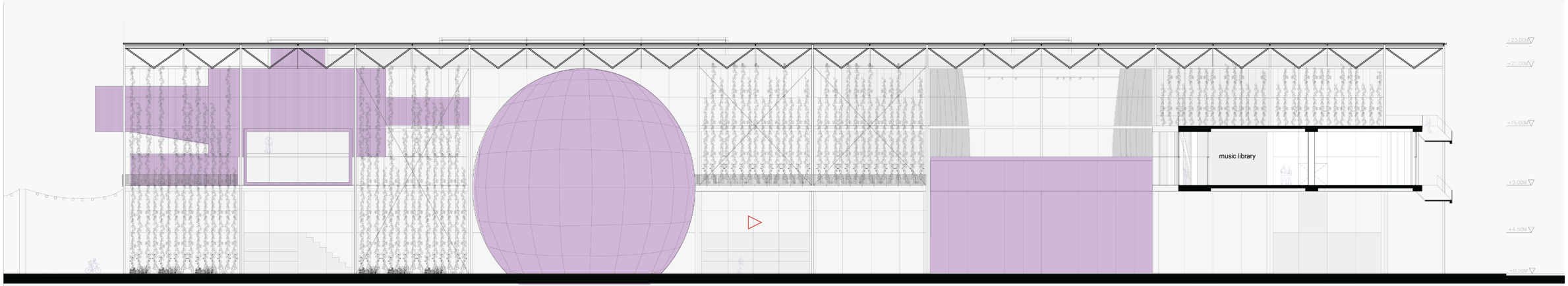
soutwest

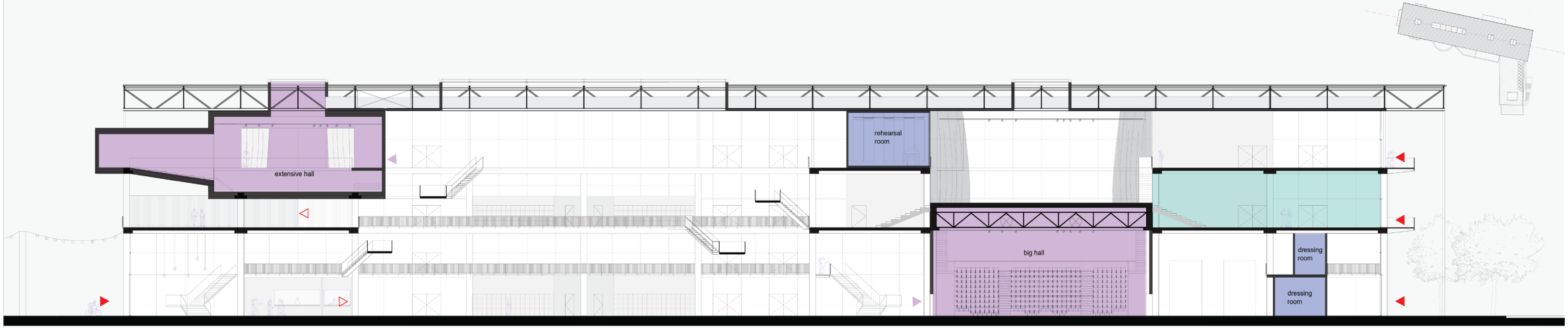




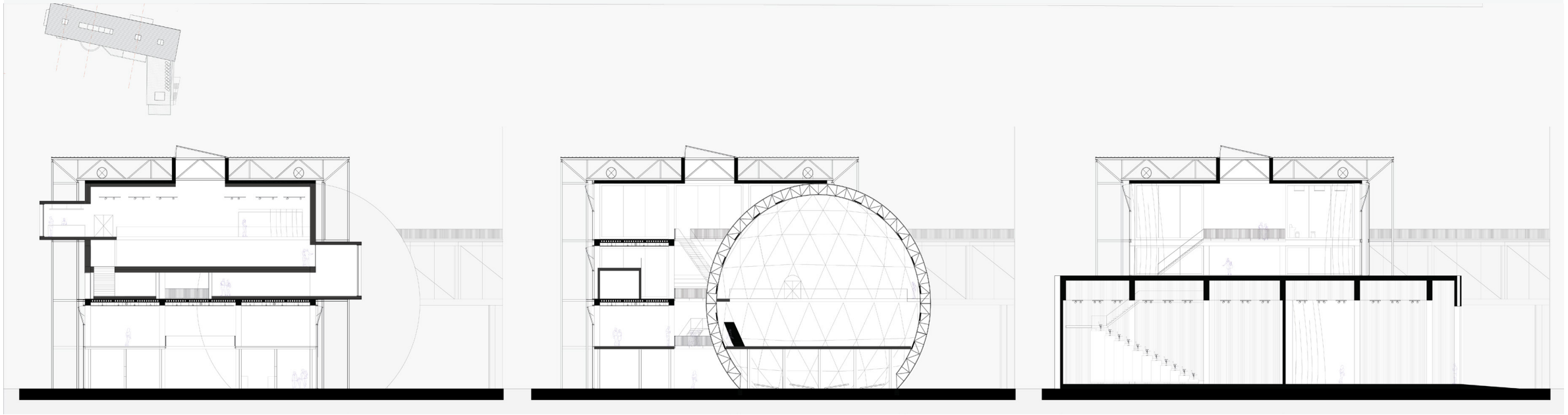
section:

program

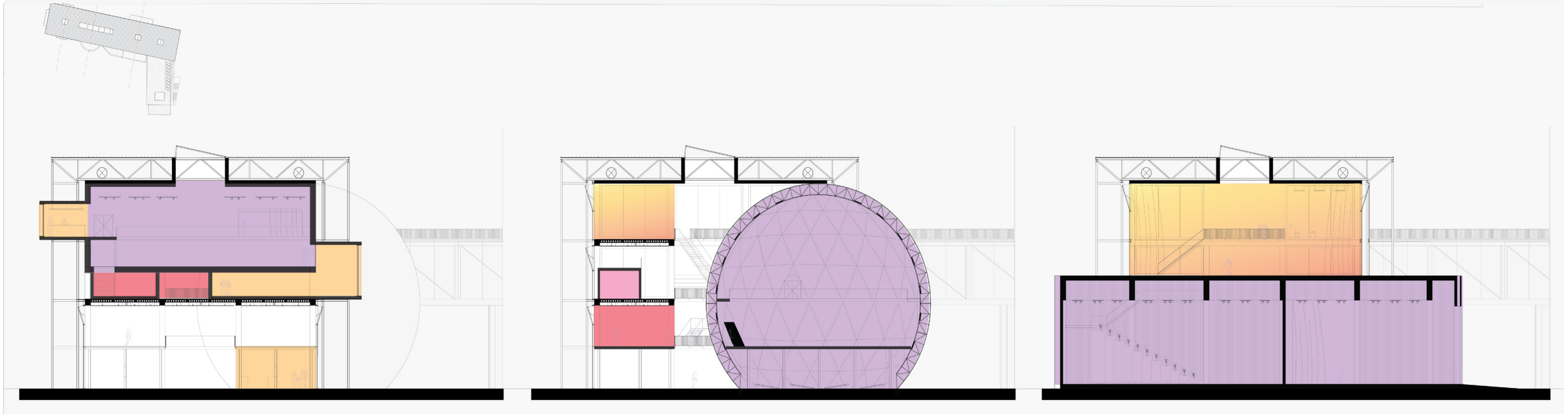




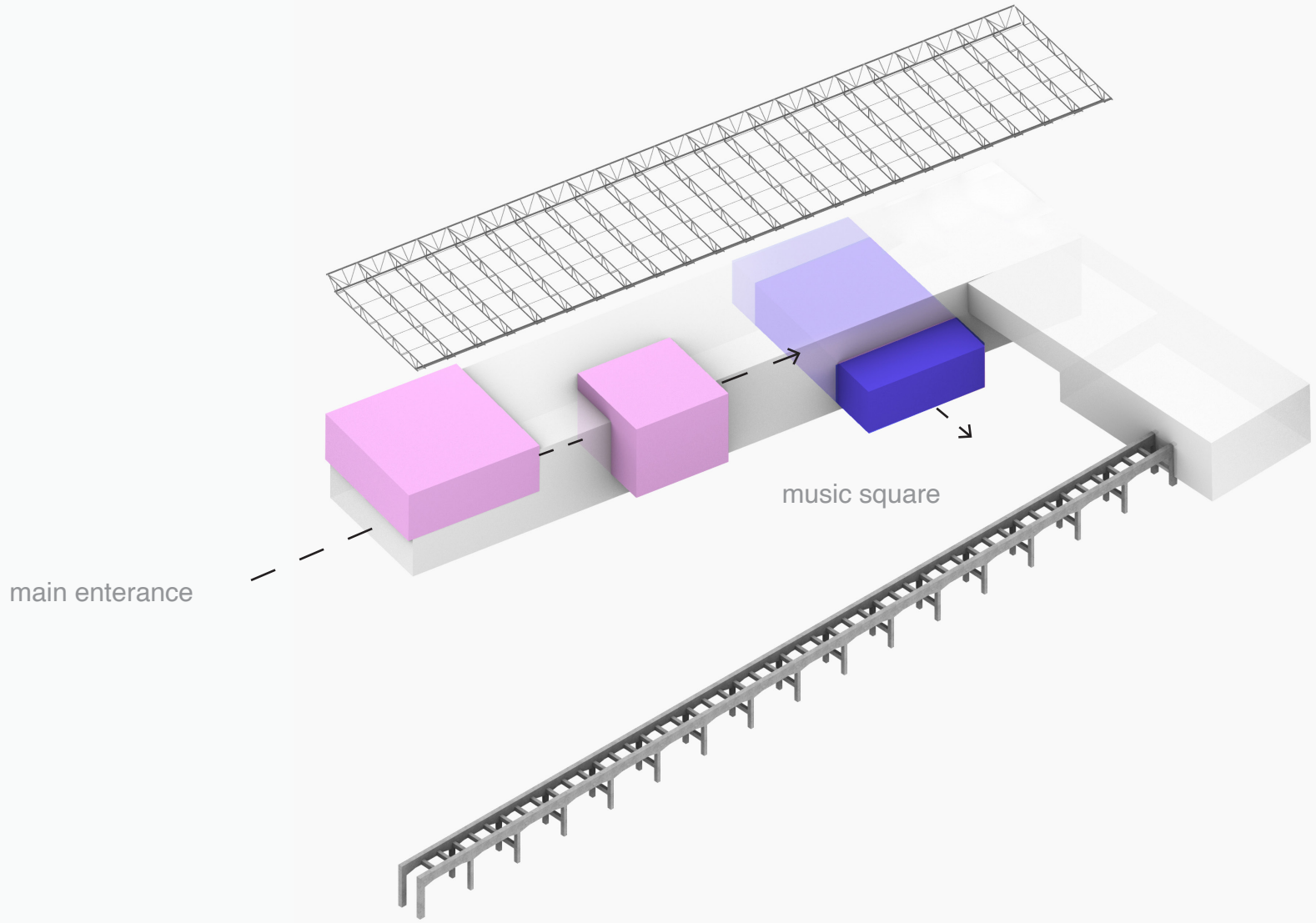
eat

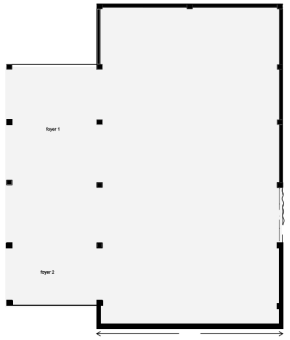


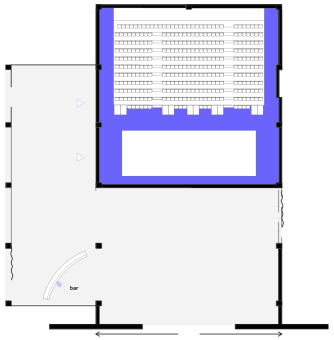
eat

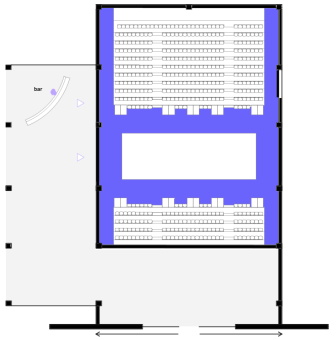


morphology of venues


music square
main enterance


foyer 1
foyer 2


bar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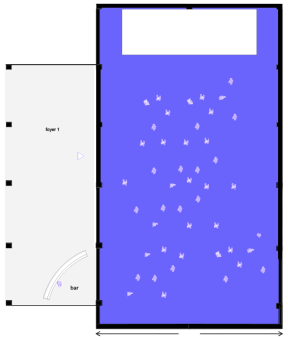
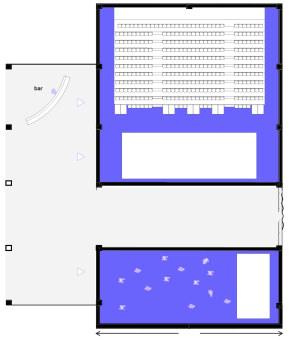

foyer 1
bar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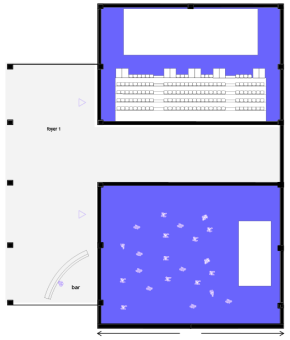
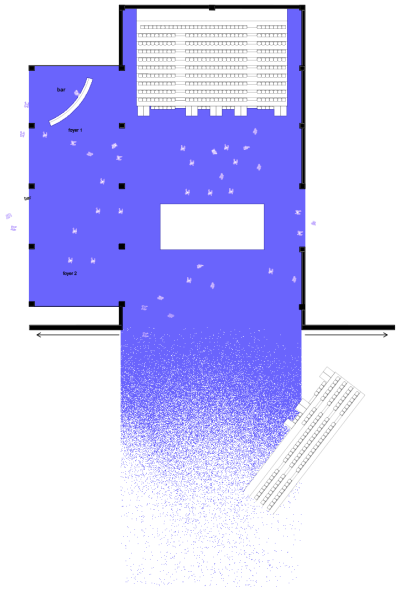
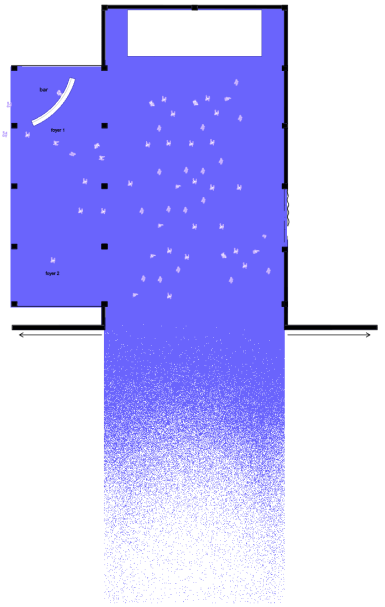
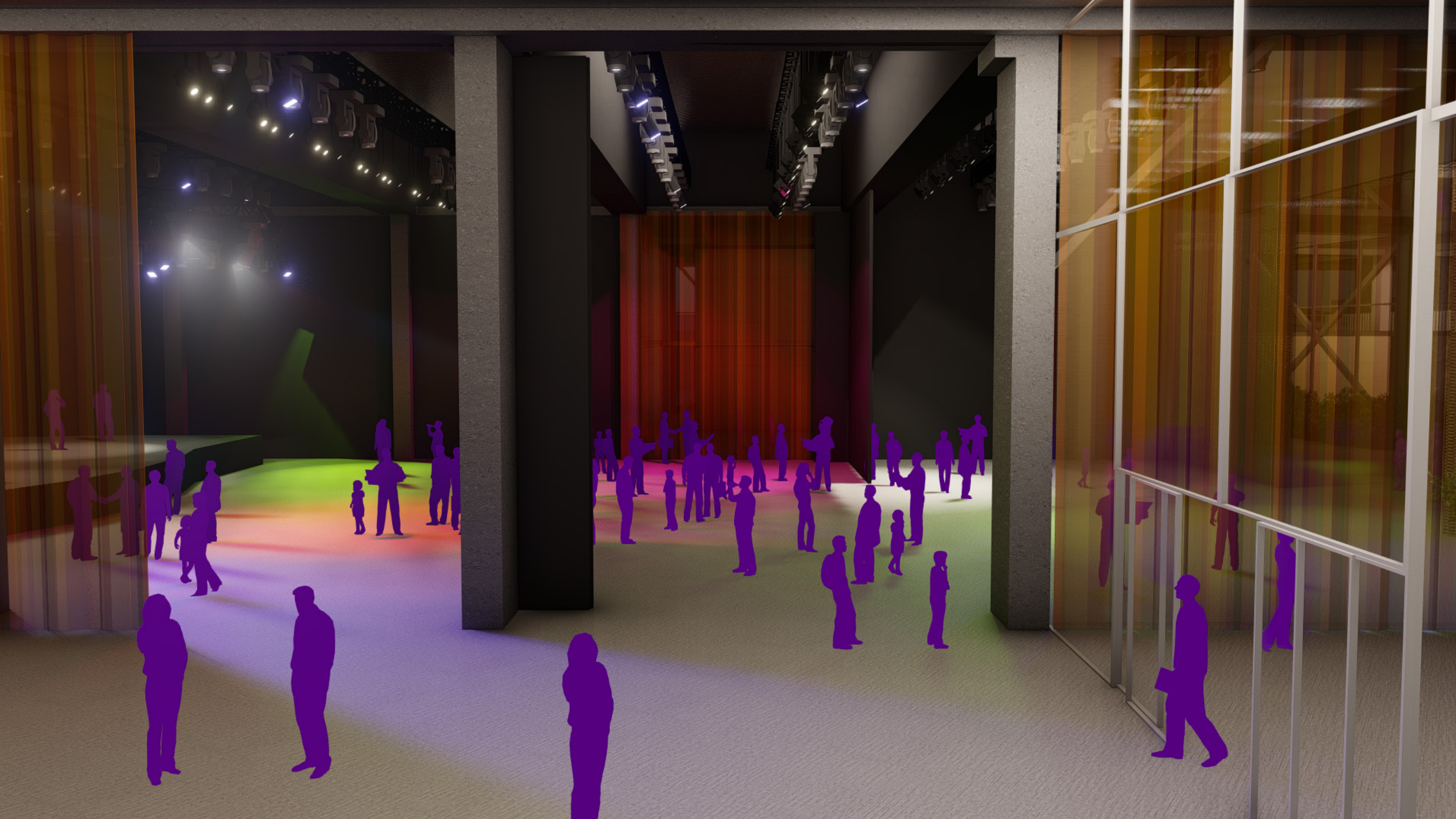
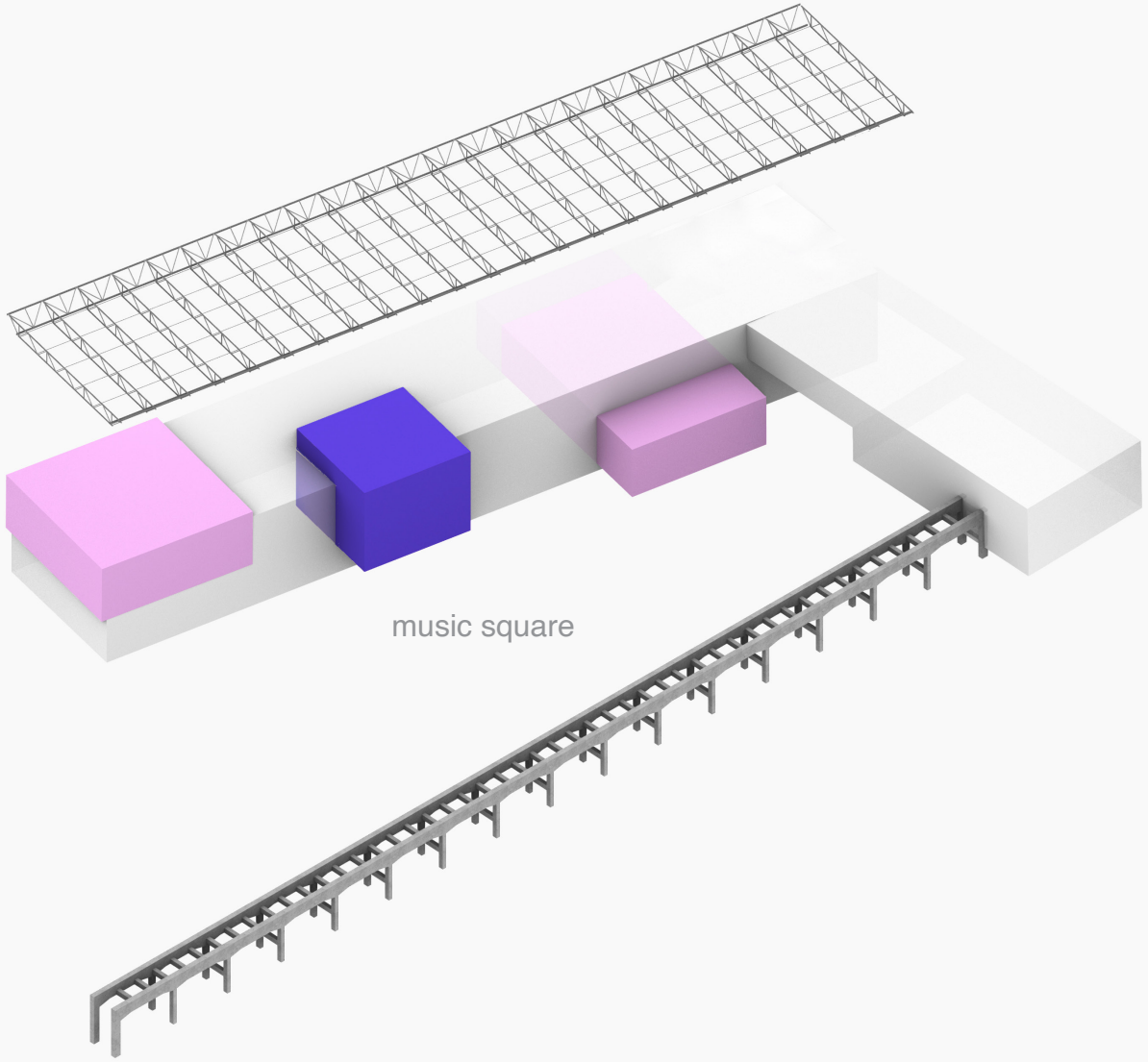

foyer 1
bar


bar
foyer 1
foyer 2


bar
foyer 1
foyer 2



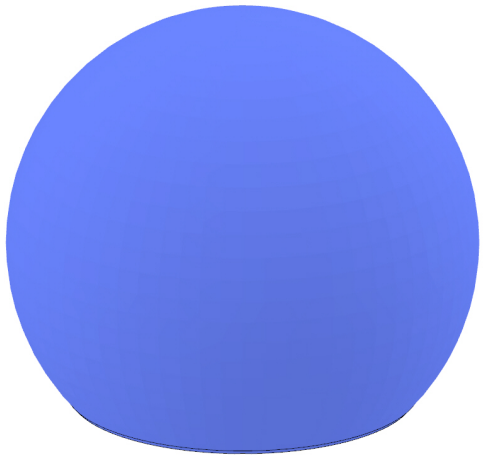

music square

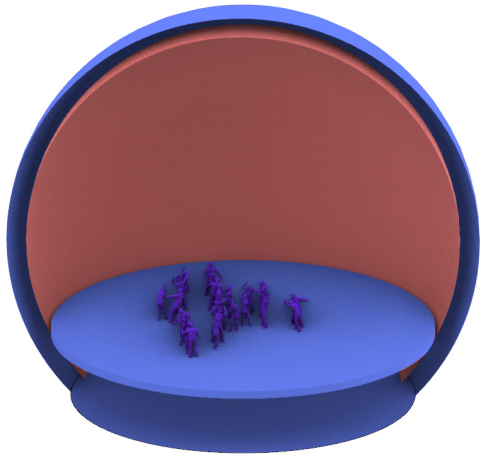
Kugelauditorium,Karlheinz Stockhausen, Osaka Expo 1970
pioneer of audiovisual art

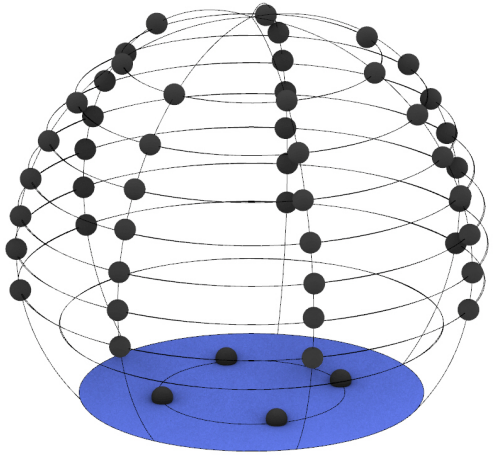
outer skin

structure

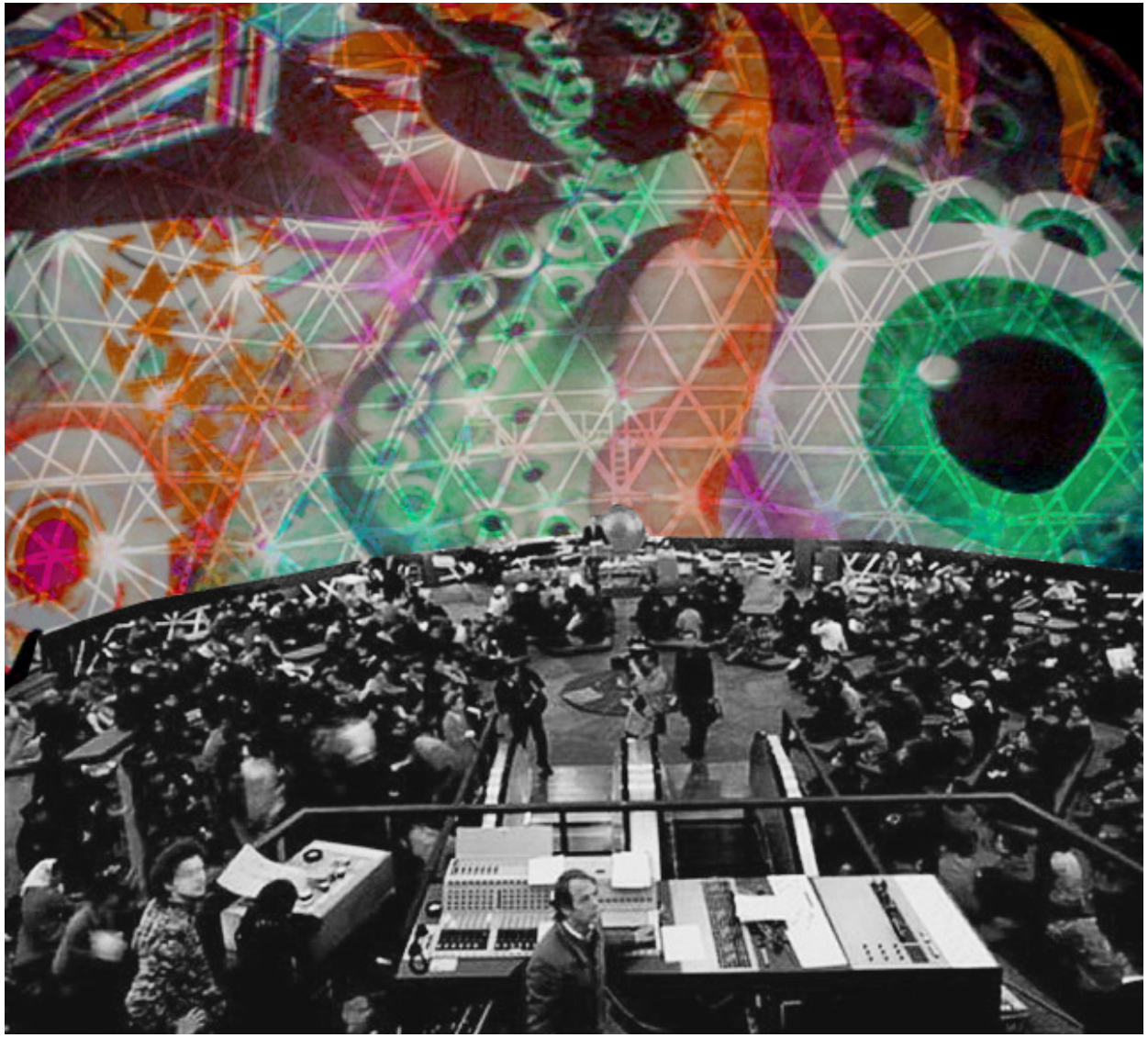
inner skin
projection screen

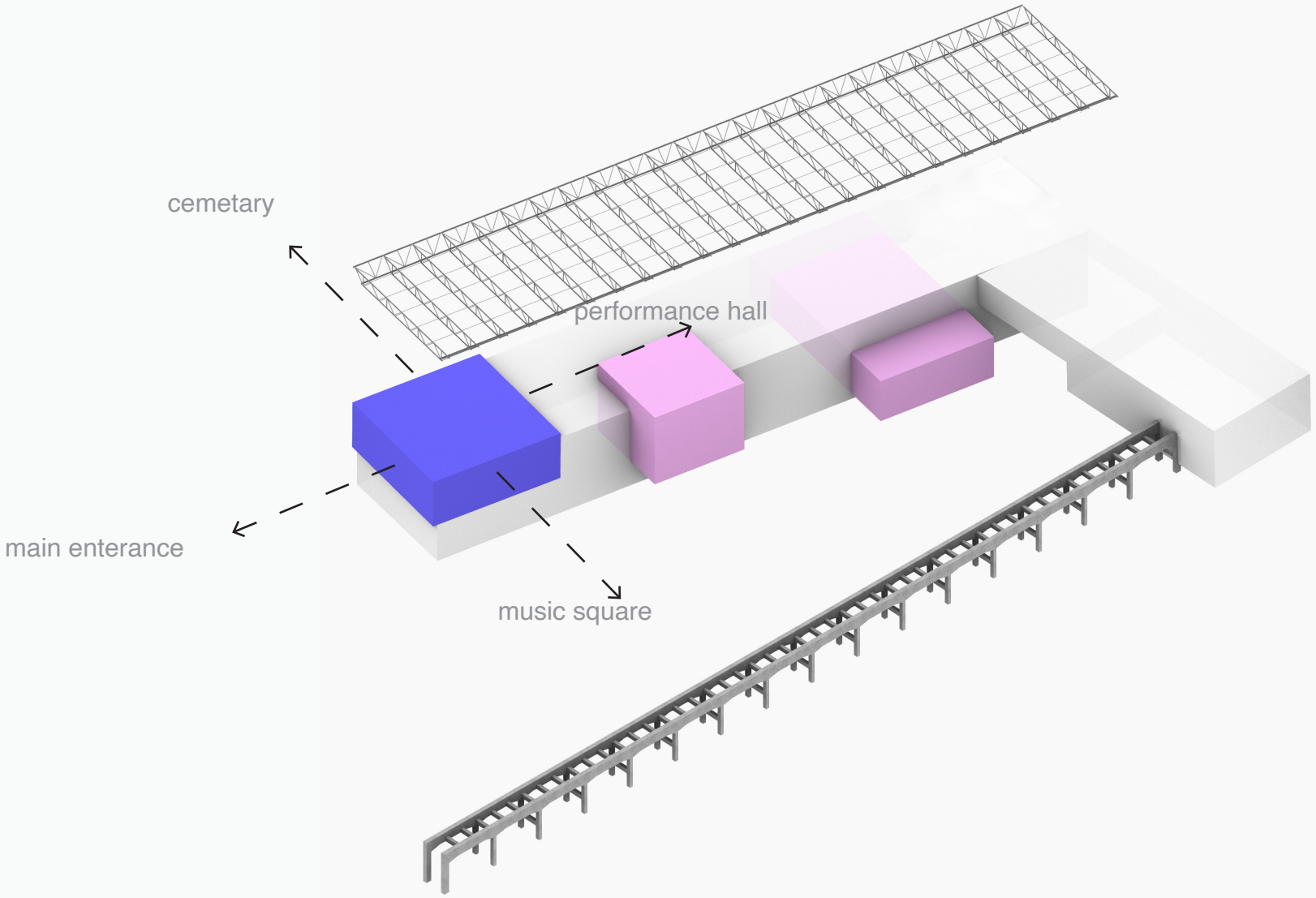


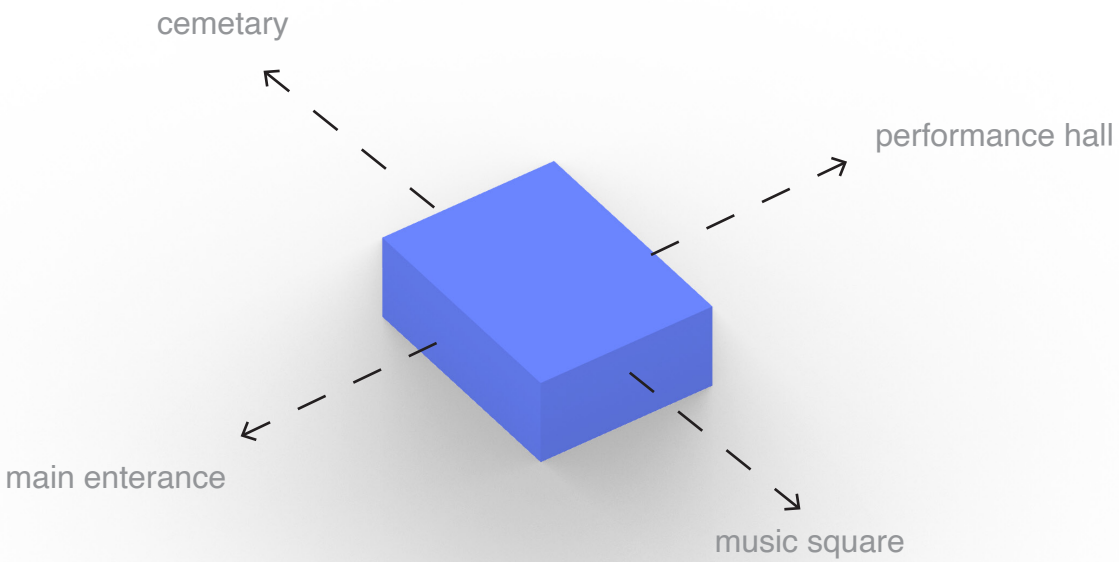


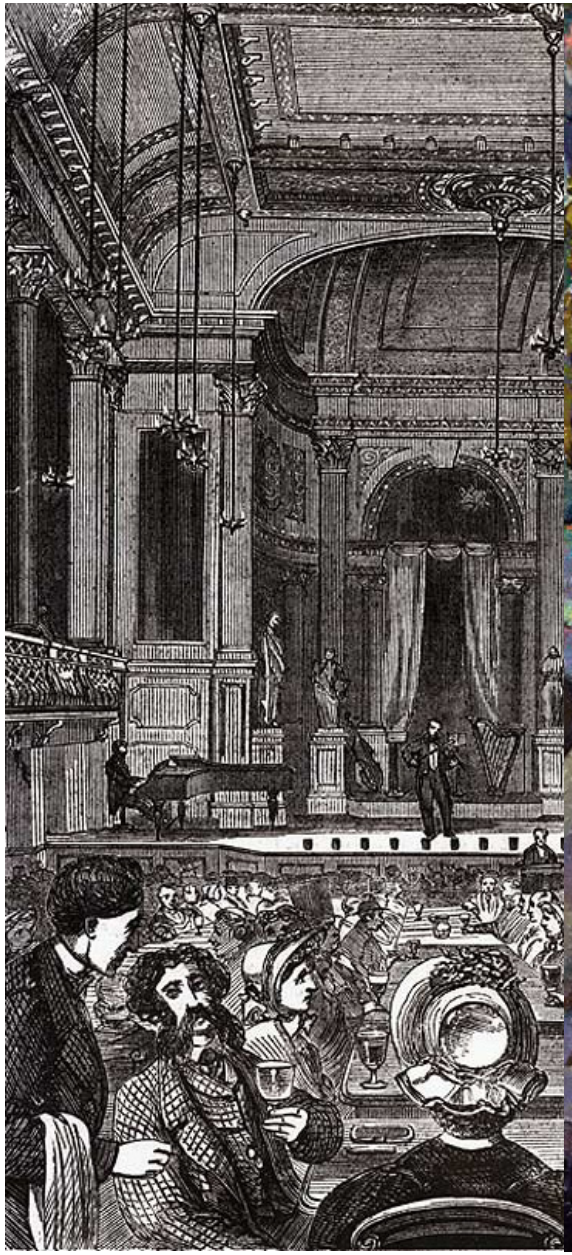


atmospheric
sound system



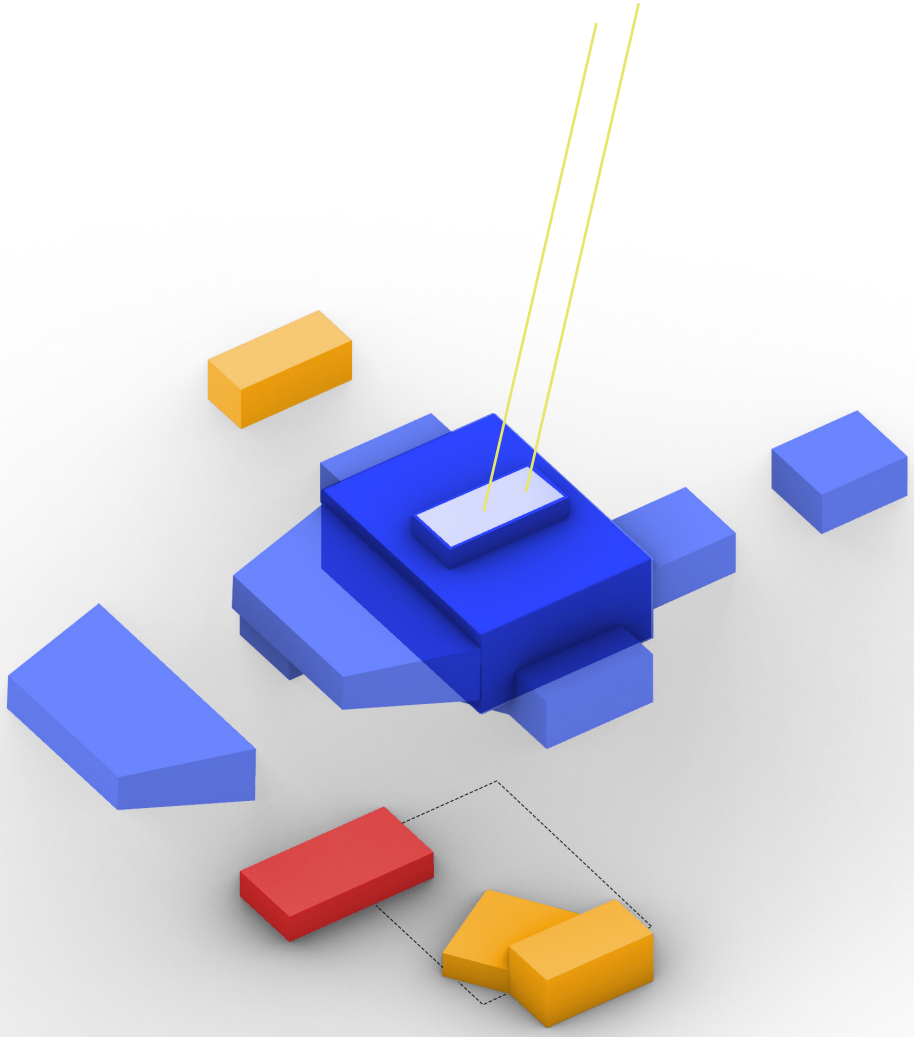

cemetary
performance hall
main enterance
music square

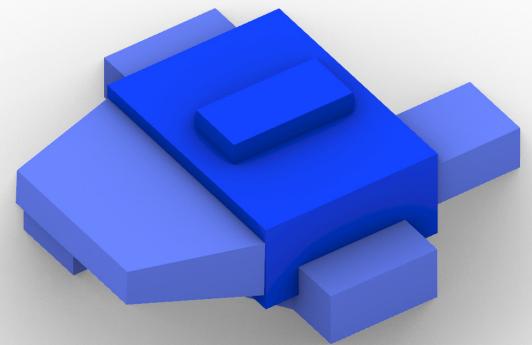

cemetary
performance hall
main enterance
music square

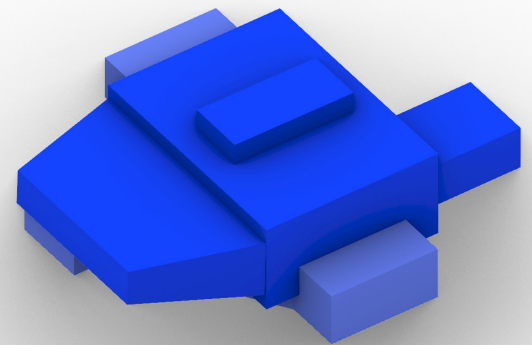


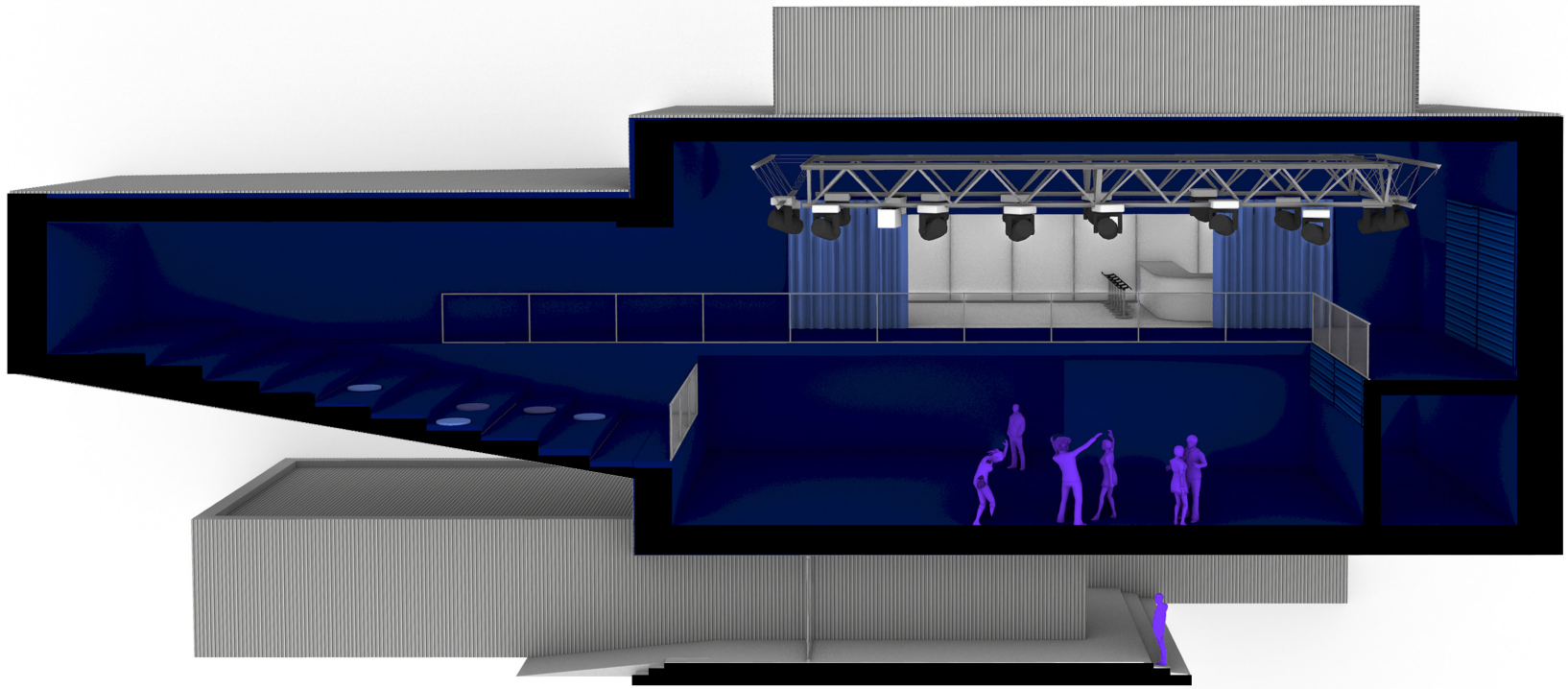
SEEKERS & FINDERS

CAFE
STRITCH



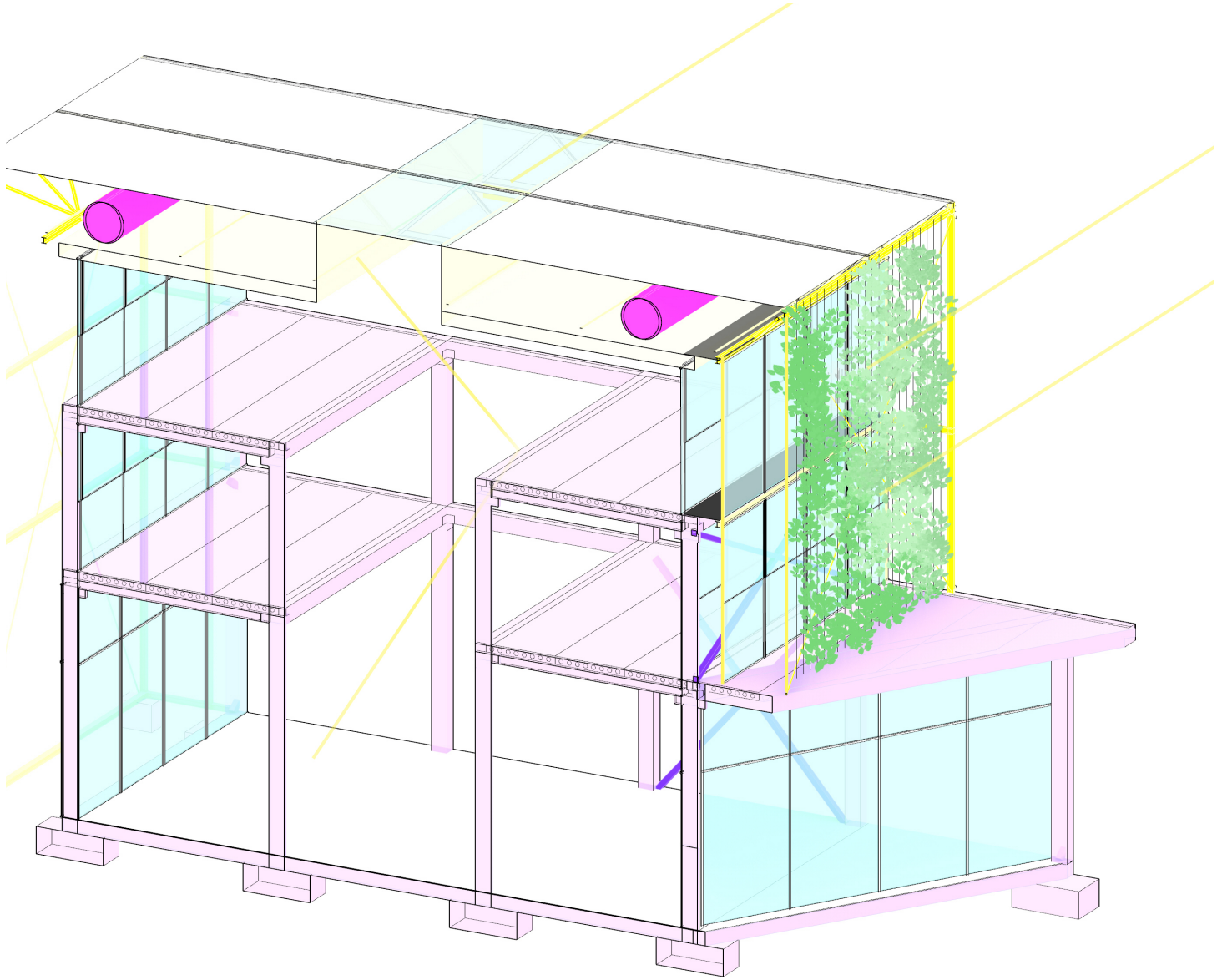


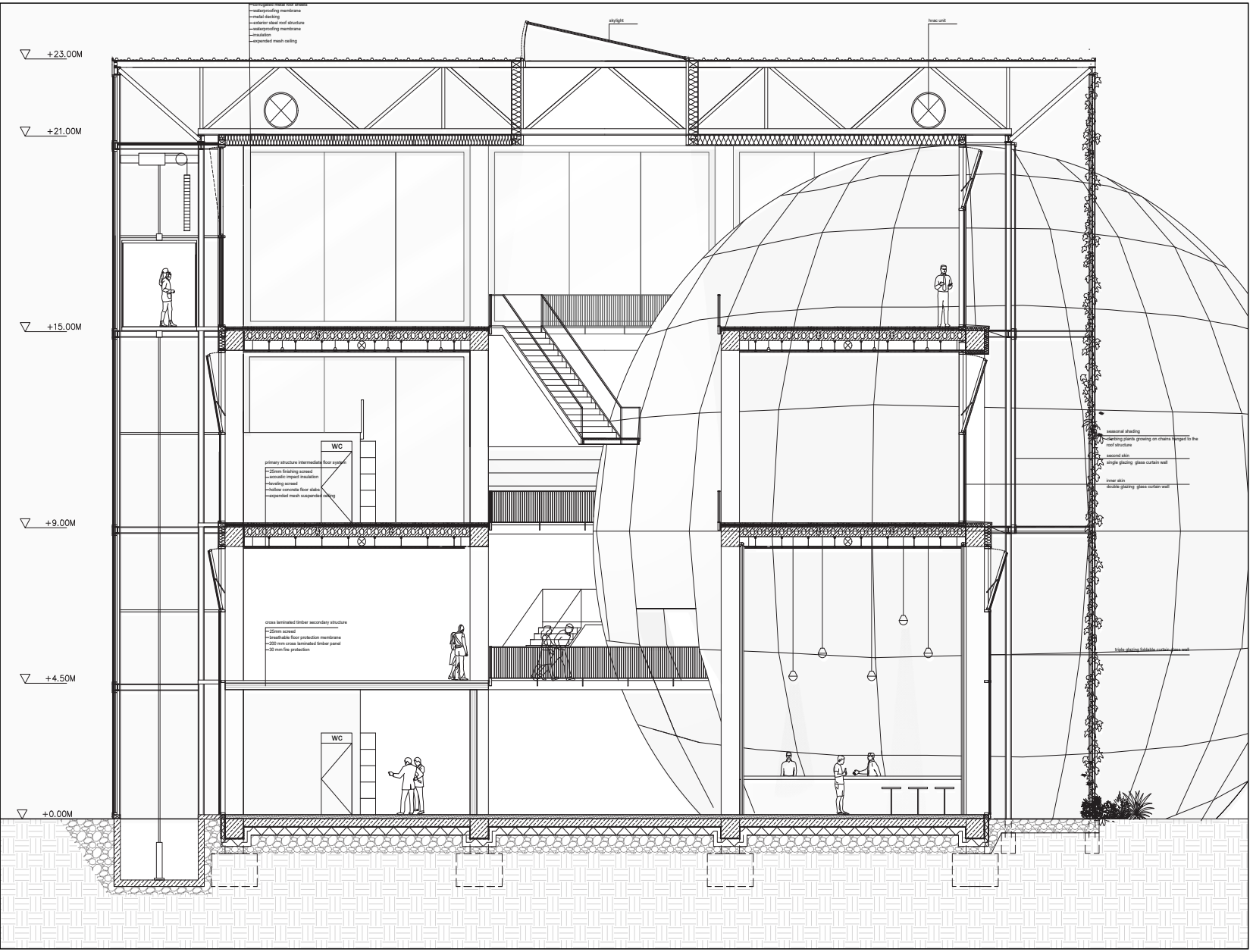


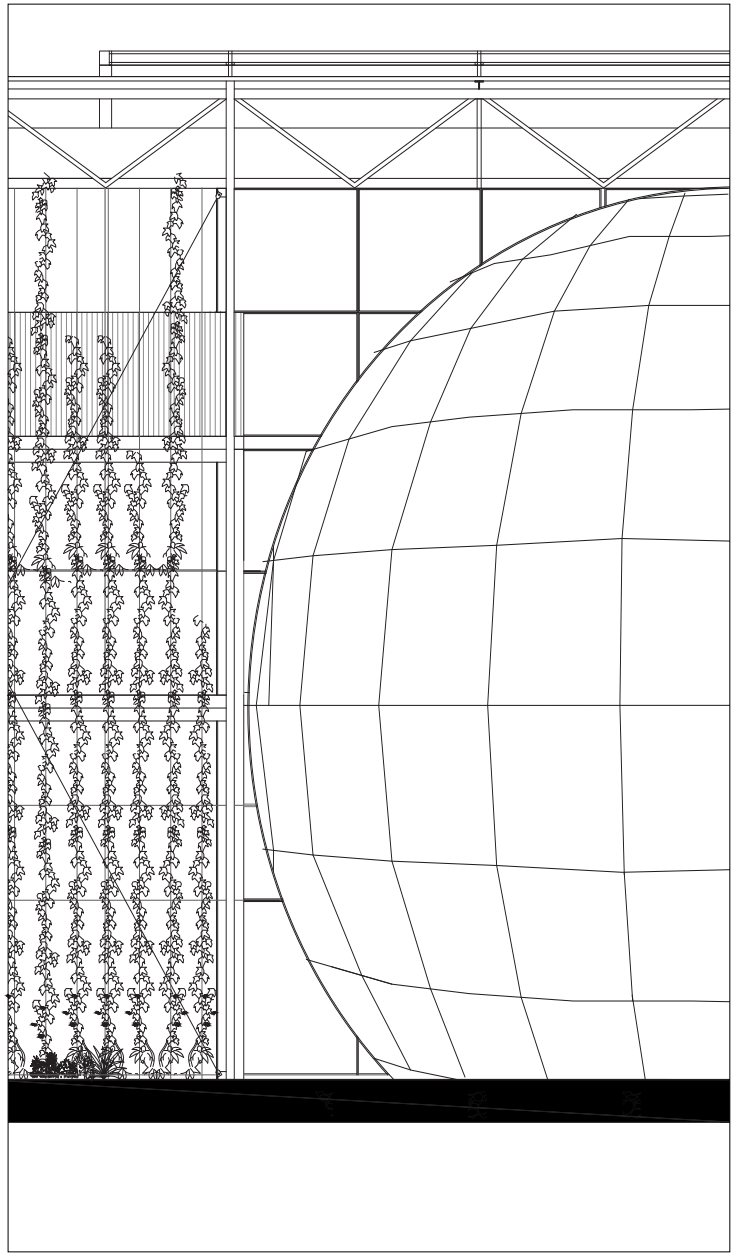


DIFFUSION

integration of the systems

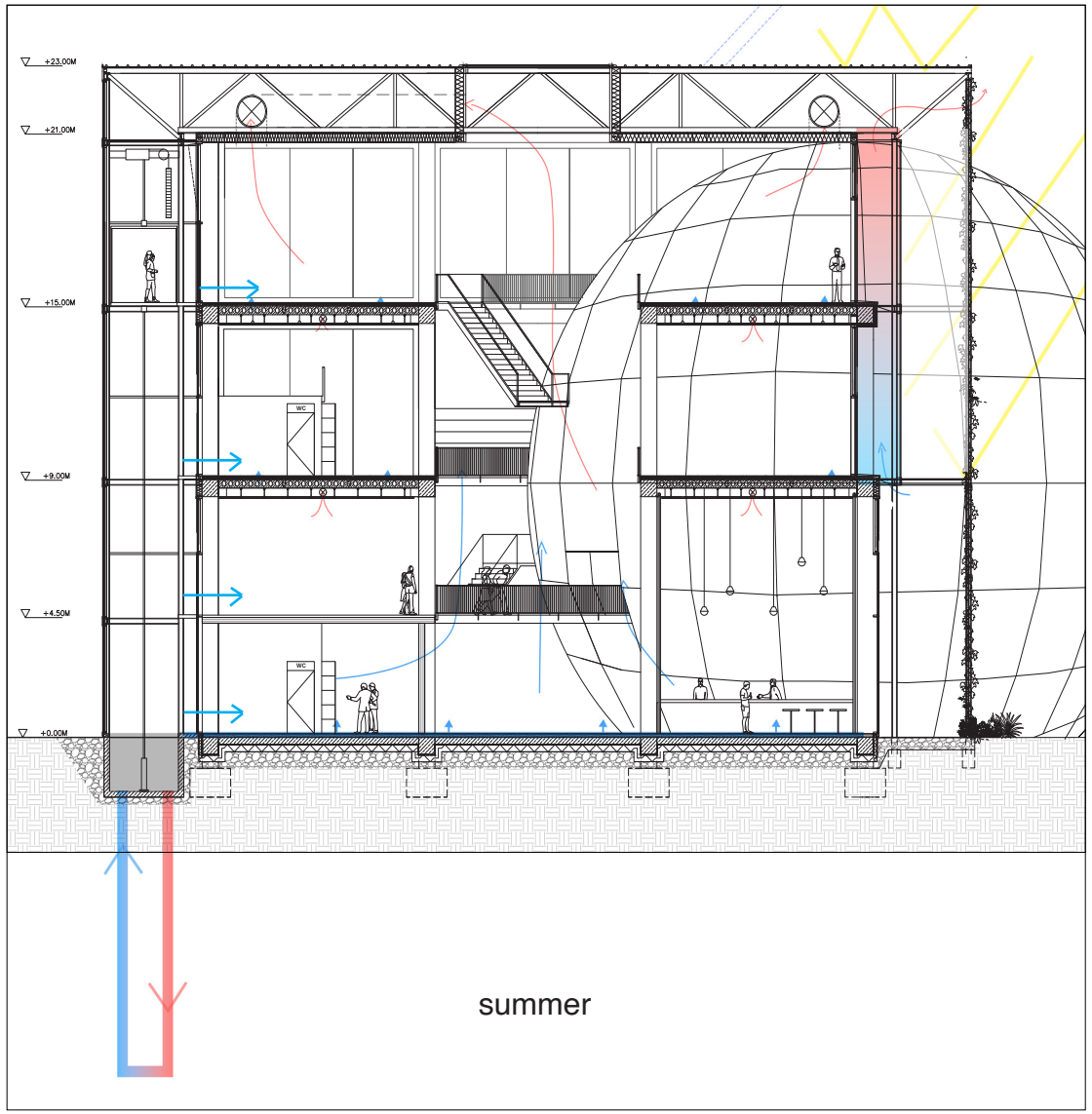



+23.00M
+21.00M
+15.00M
+9.00M
+4.50M
+0.00M
corrugated metal roof sheets
waterproofing membrane
metal decking
exterior steel roof structure
waterproofing membrane
insulation
expended mesh ceiling
skylight
hvac unit
WC
primary structure intermediate floor system
25mm finishing screed
acoustic impact insulation
leveling screed
hollow concrete floor slabs
expended mesh suspended ceiling
cross laminated timber secondary structure
25mm screed
breathable floor protection membrane
200 mm cross laminated timber panel
30 mm fire protection
WC
seasonal shading
climbing plants growing on chains hanged to the roof structure
second skin
single glazing glass curtain wall
inner skin
double glazing glass curtain wall
triple glazing foldable curtain glass wall

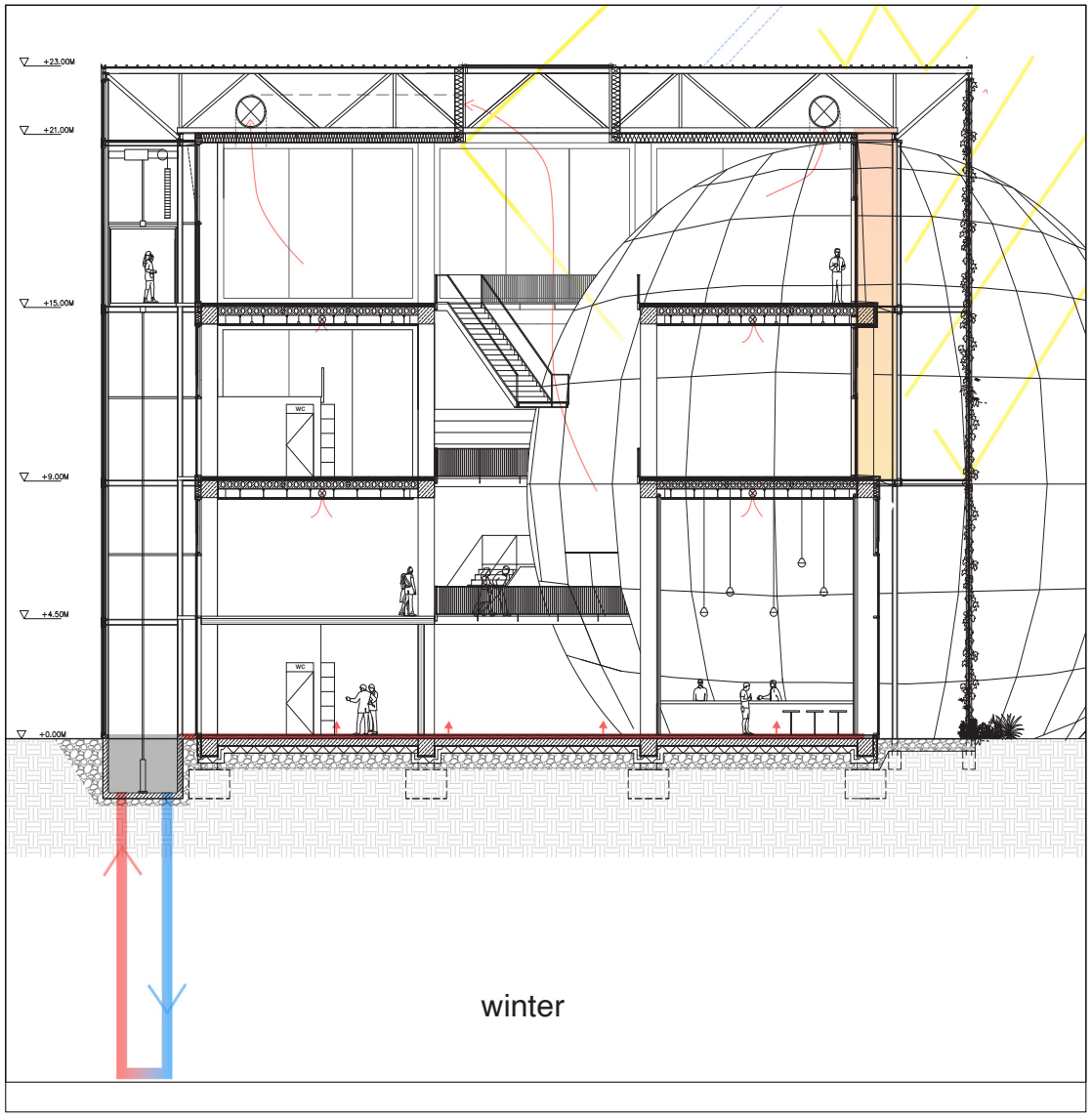


climate:

summer/winter day



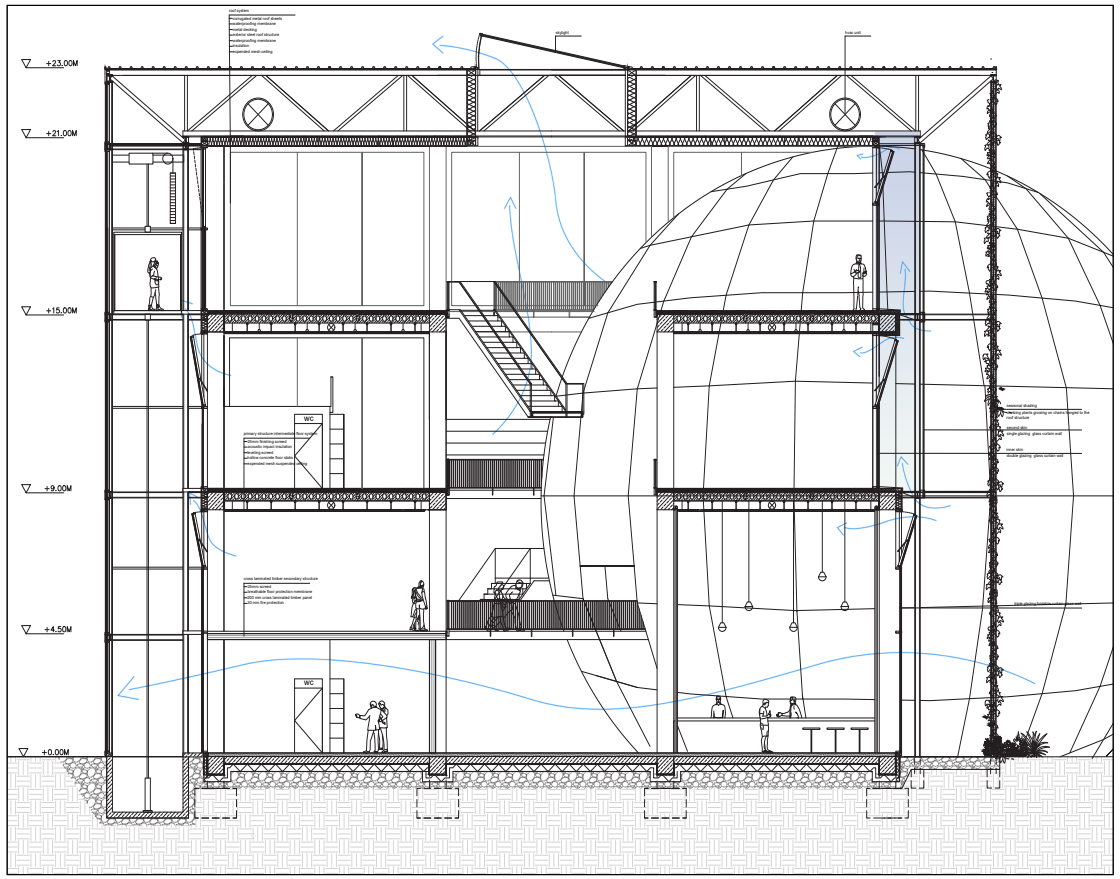
summer



winter

climate:

night/mid season natural ventilation

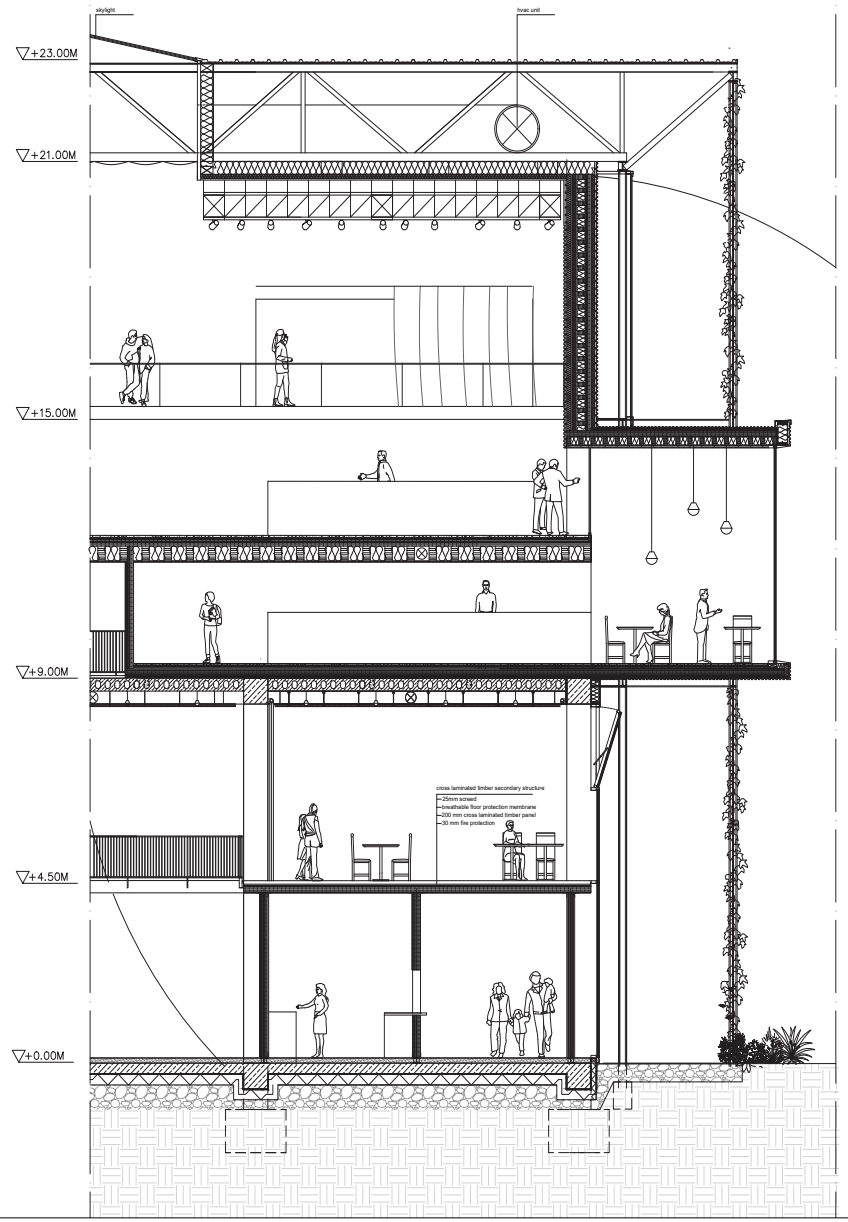


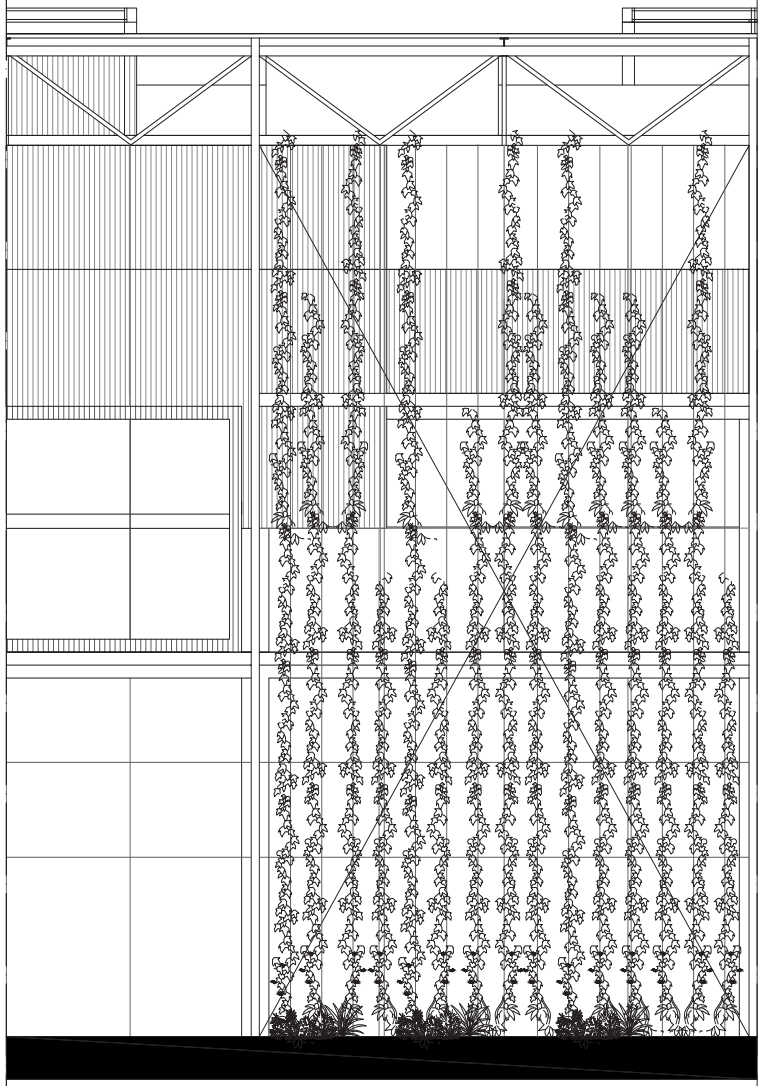
summer night

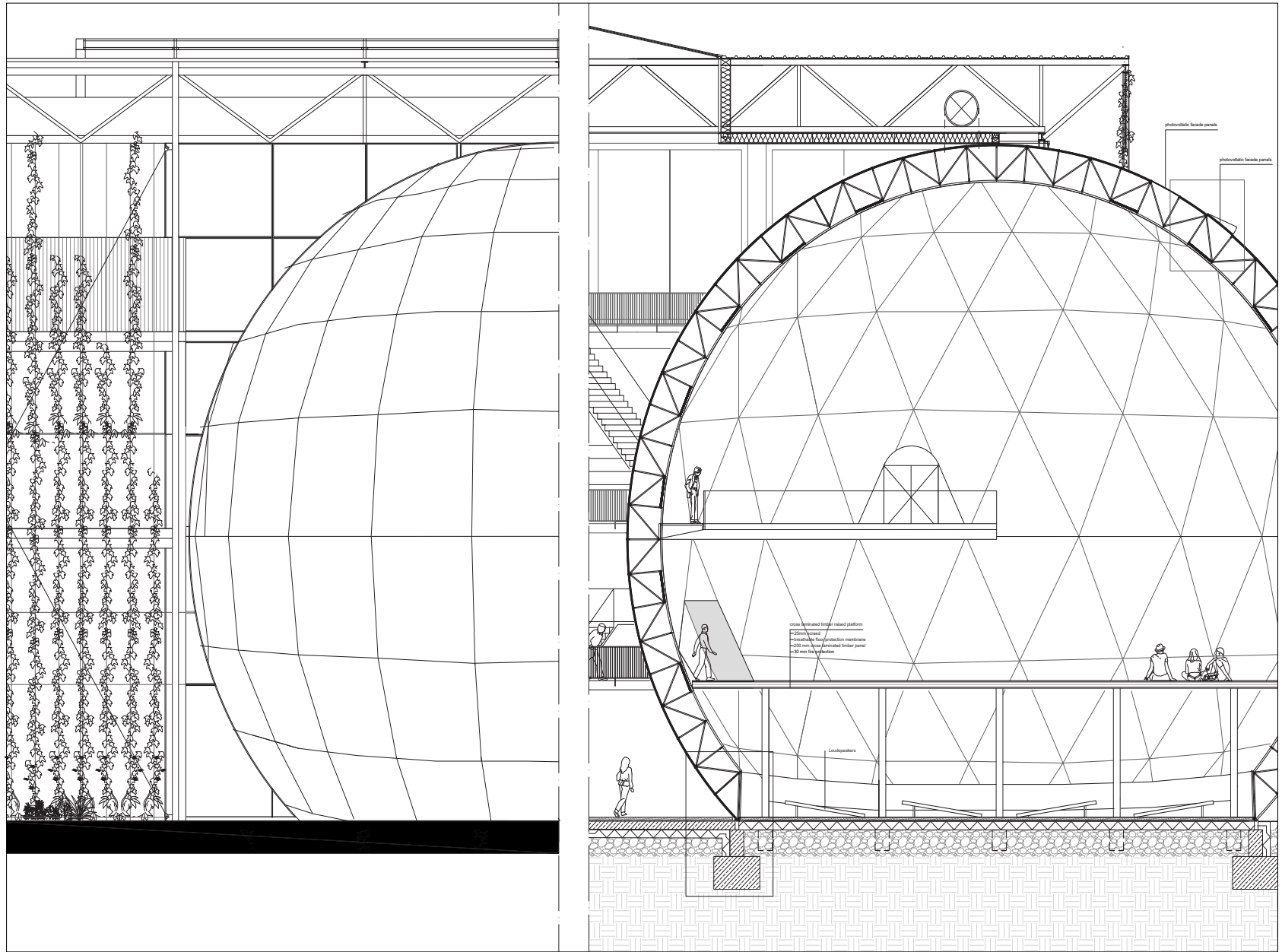
eat

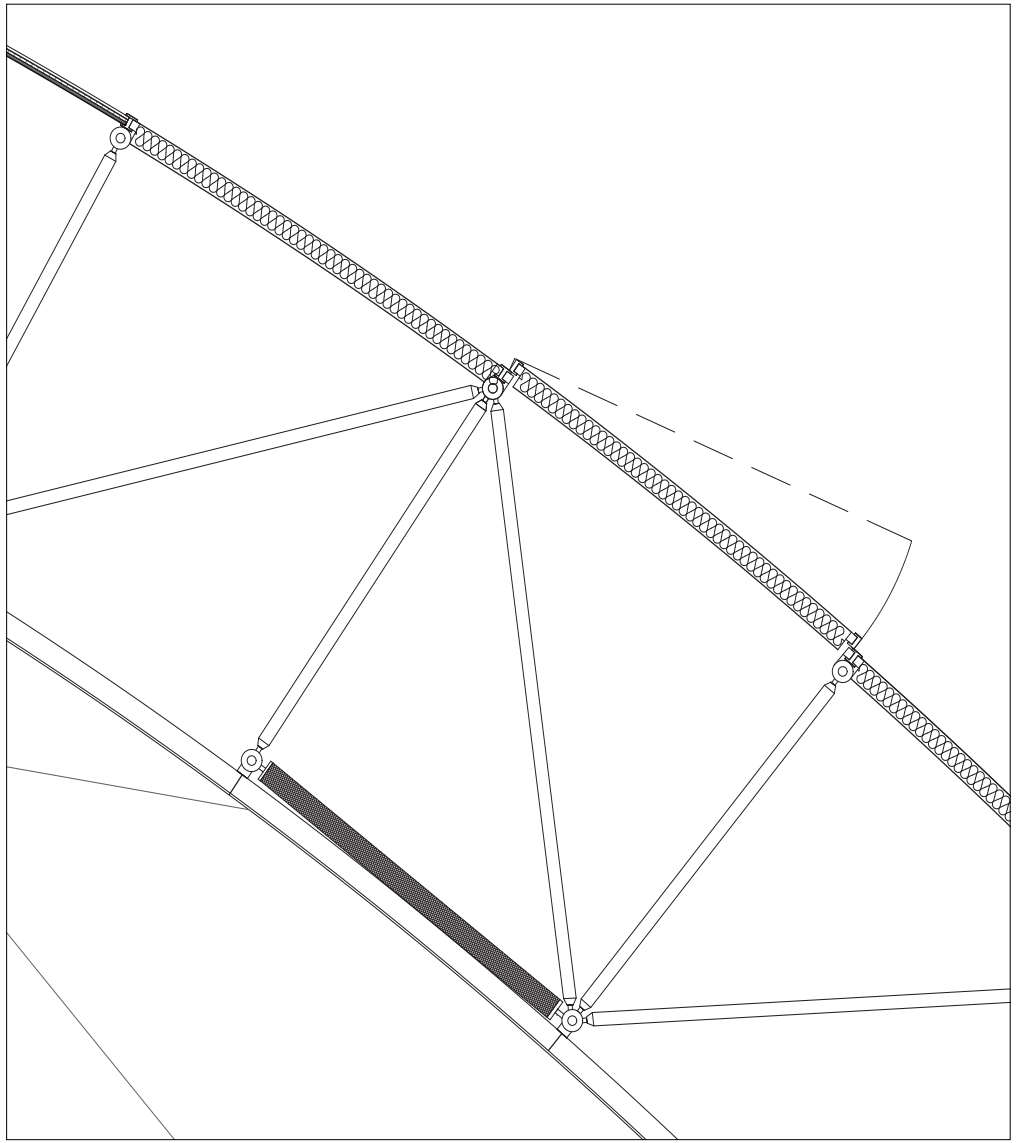
eat

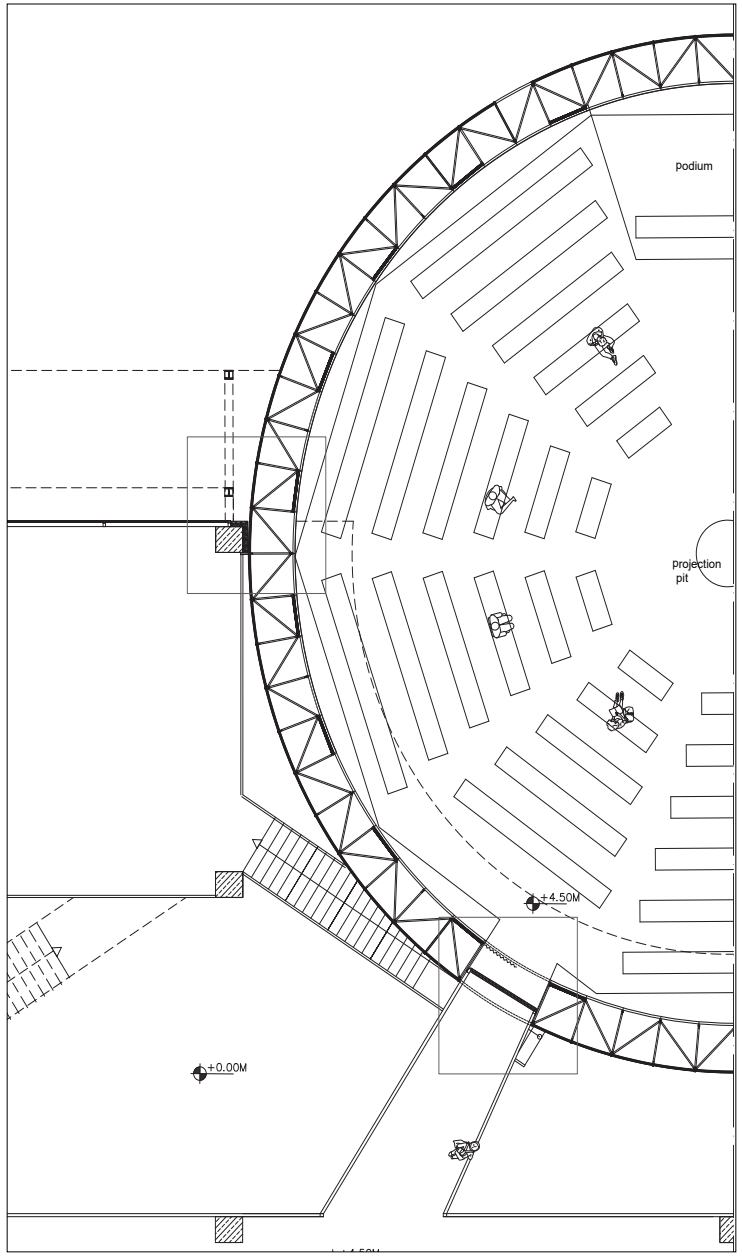
eat

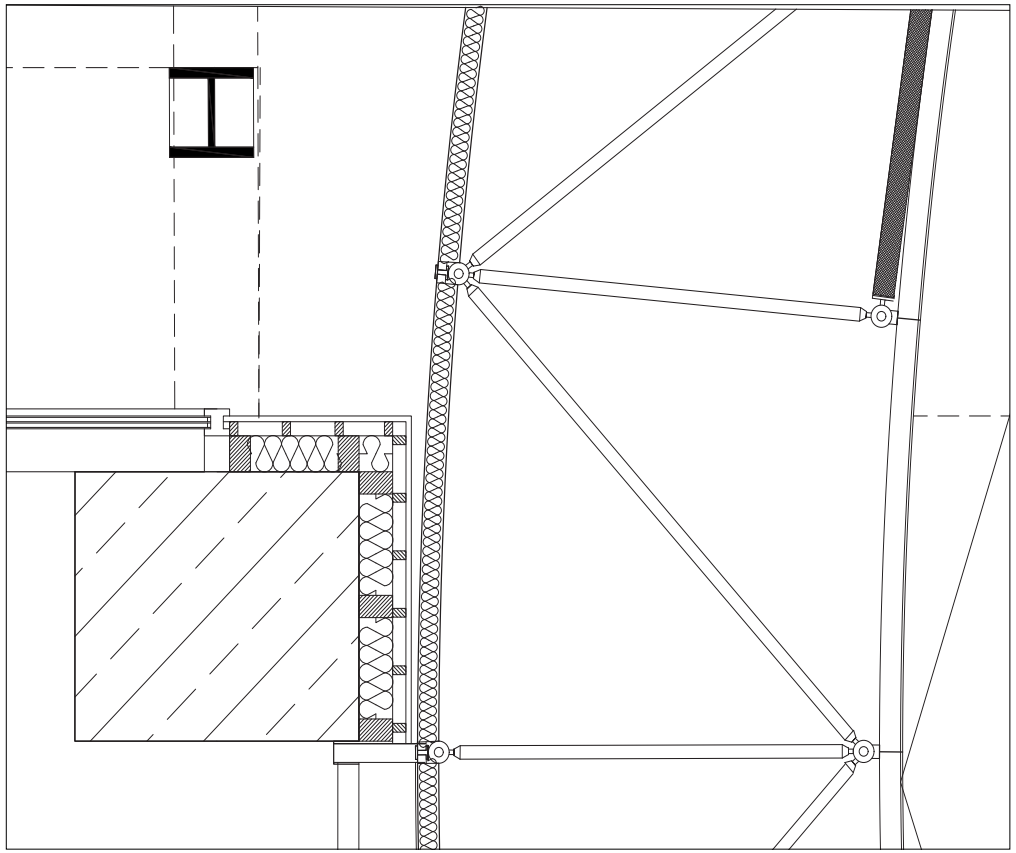

skylight
hvac unit
▽+23.00M
▽+21.00M
▽+15.00M
▽+9.00M
▽+4.50M
▽+0.00M
cross laminated timber secondary structure
25mm screed
breathable floor protection membrane
200 mm cross laminated timber panel
30 mm fire protection

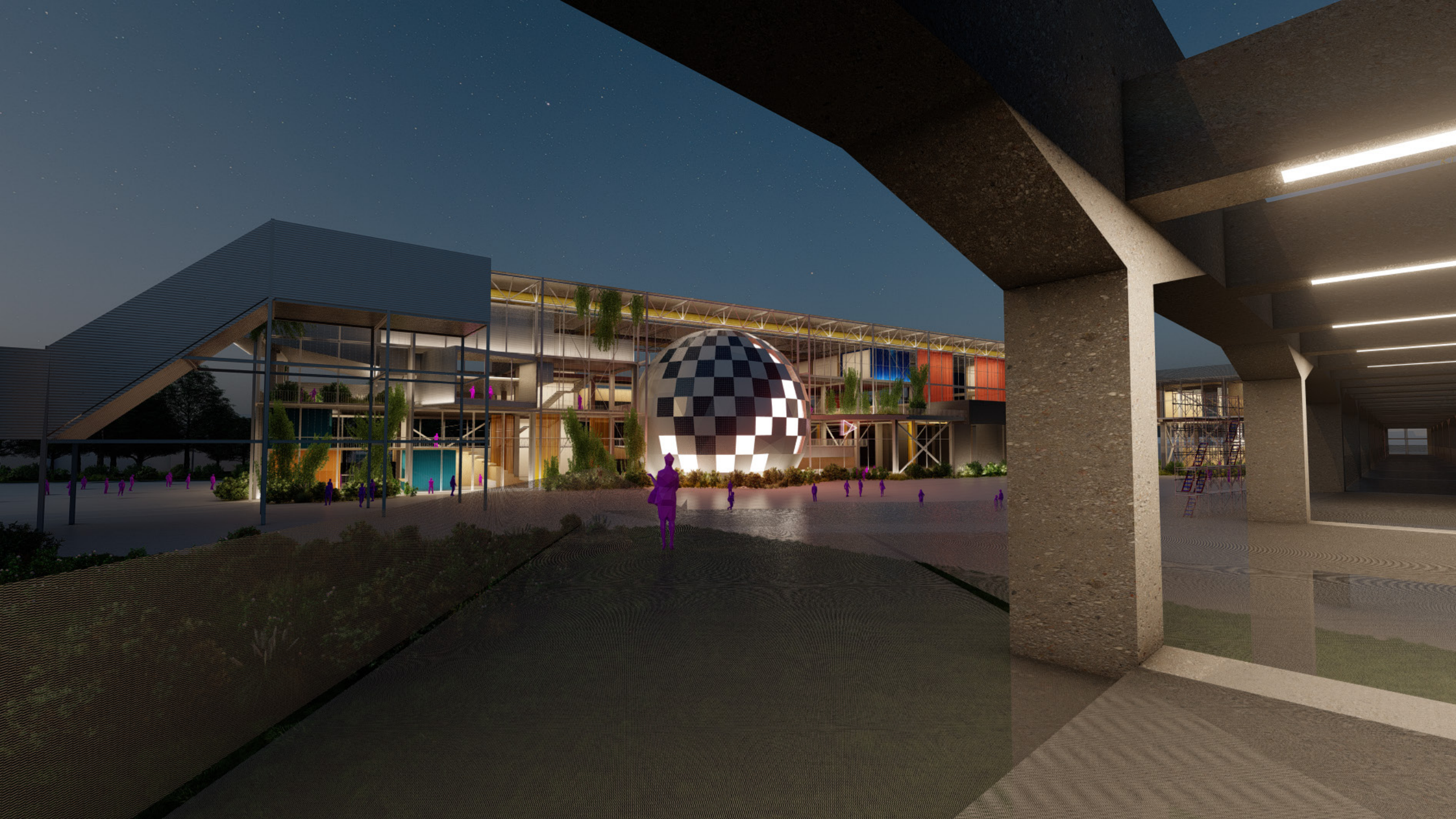


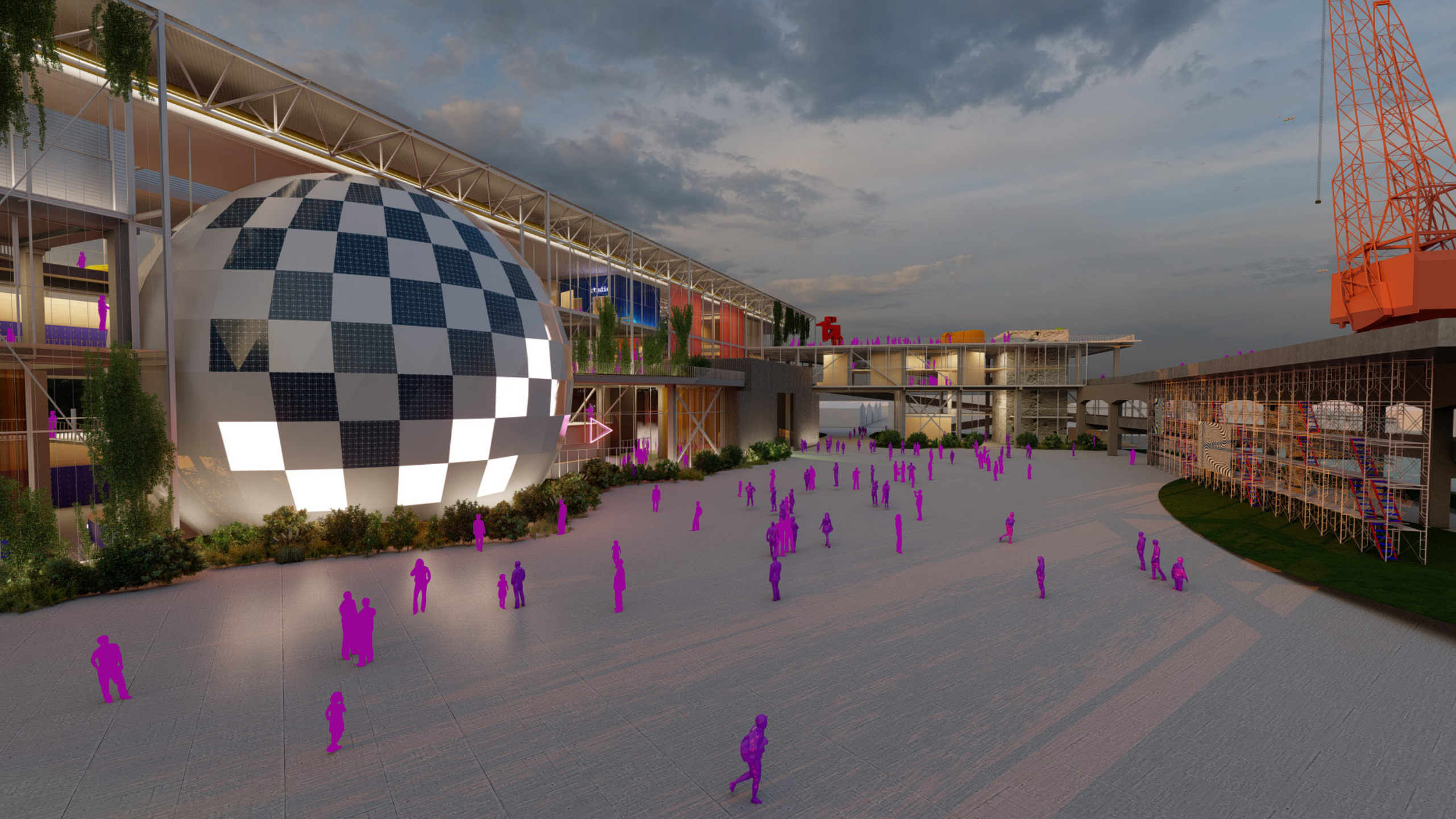

photovoltaic facade panels
photovoltaic facade panels
cross laminated timber raised platform
-22mm screed
-breathable floor protection membrane
-200 mm cross laminated timber panel
-30 mm fire protection
Loudspeakers




podium
projection
pit
+4.50M
+0.00M







Thank you for listening!
CULTURE IS ESSENTIAL