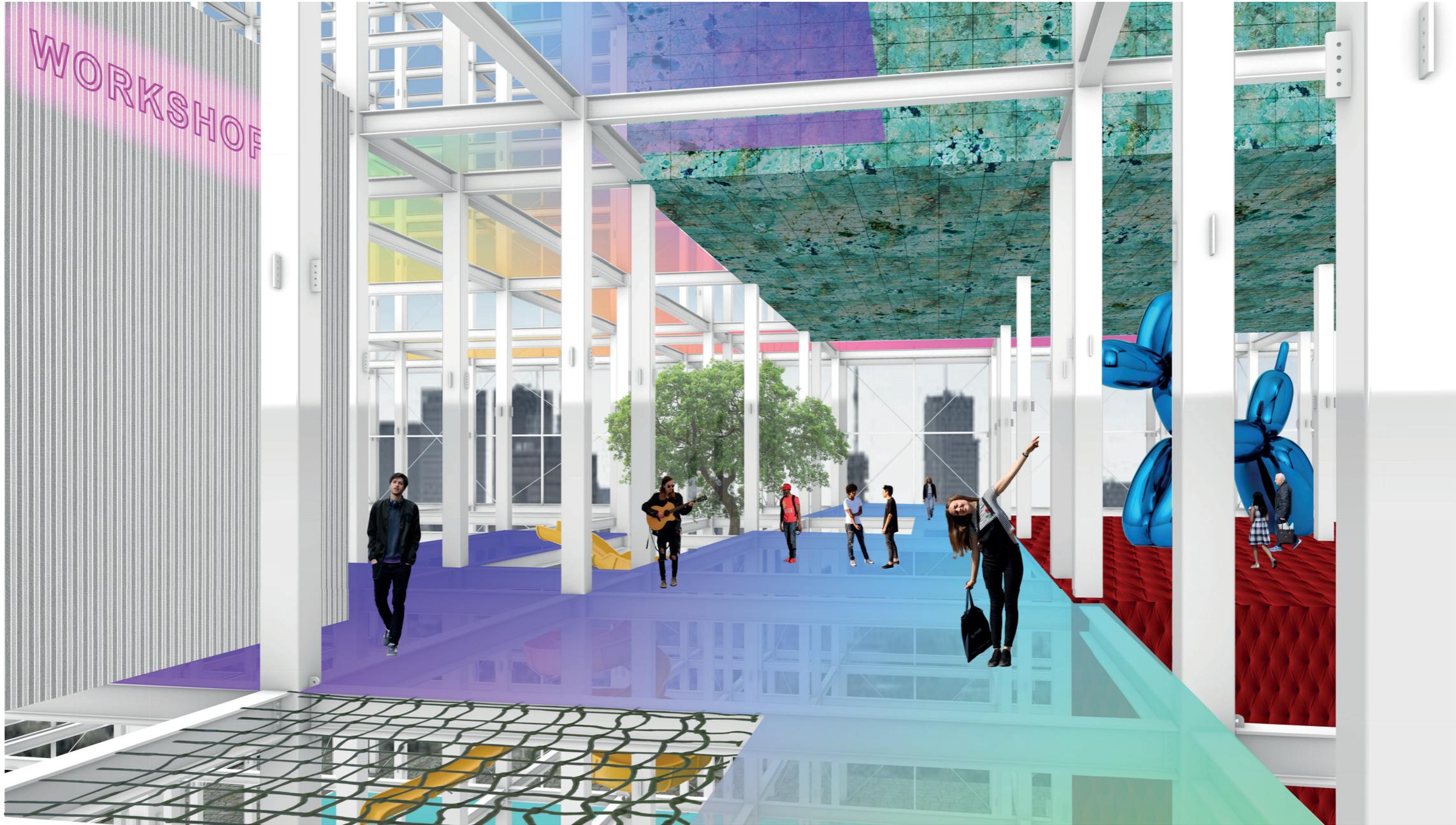


**FROM FORM
TO VENUE**



**VERTICAL
FESTIVAL**



BINCKHORST

AMBITION

FORM

FESTIVAL

STRUCTURE

CONCEPT

DESIGN

BINCKHORST

AMBITION

FORM

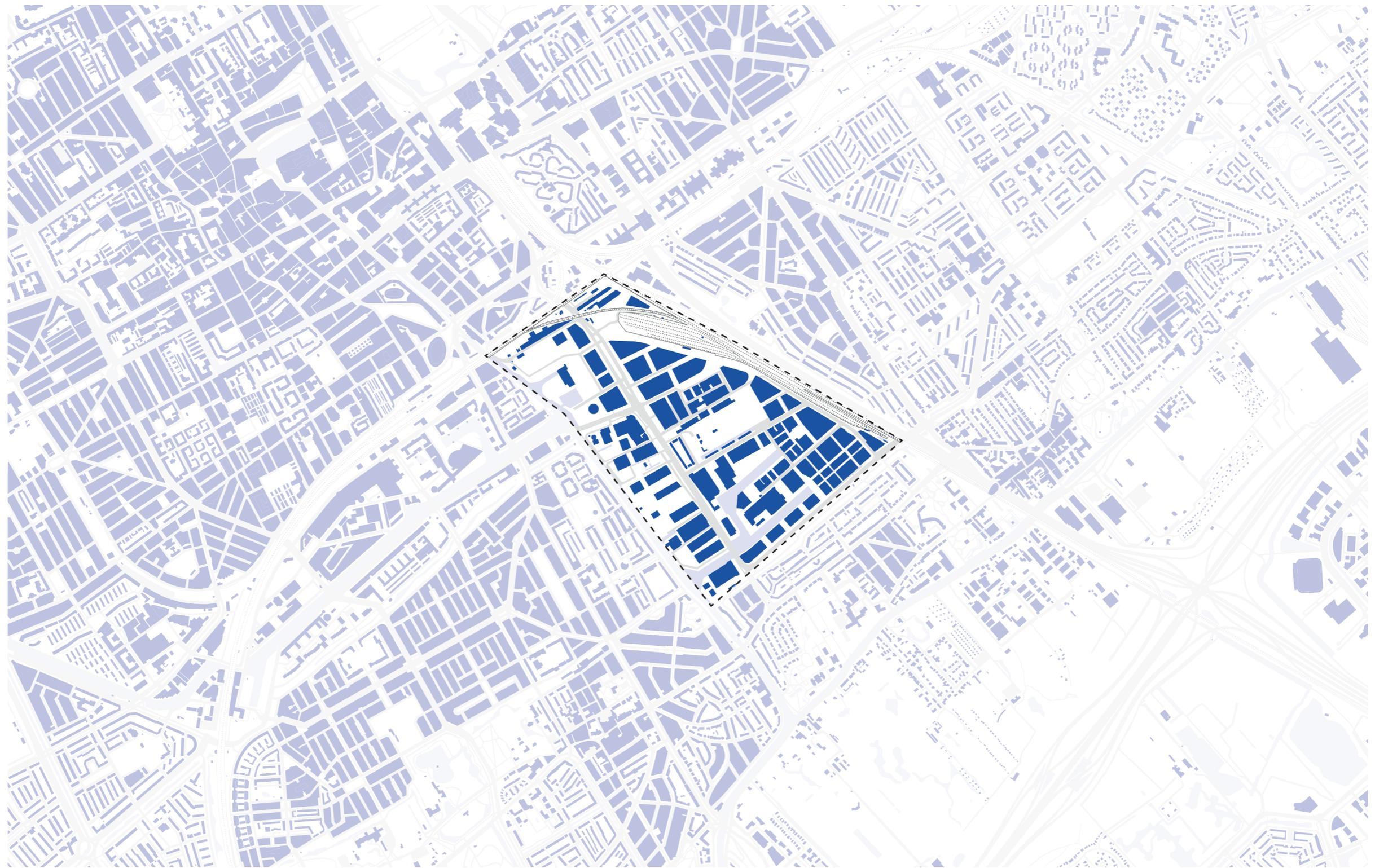
FESTIVAL

STRUCTURE

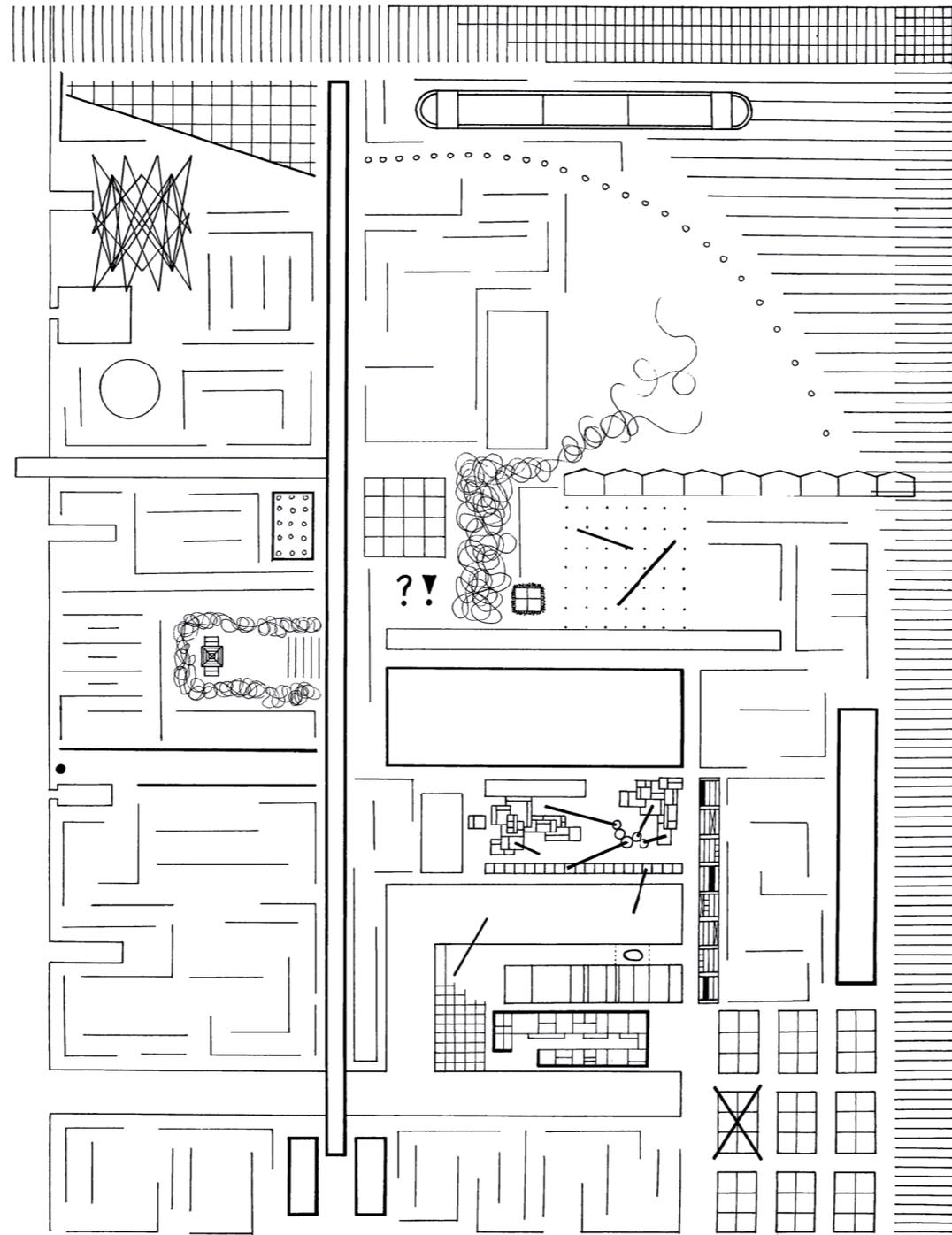
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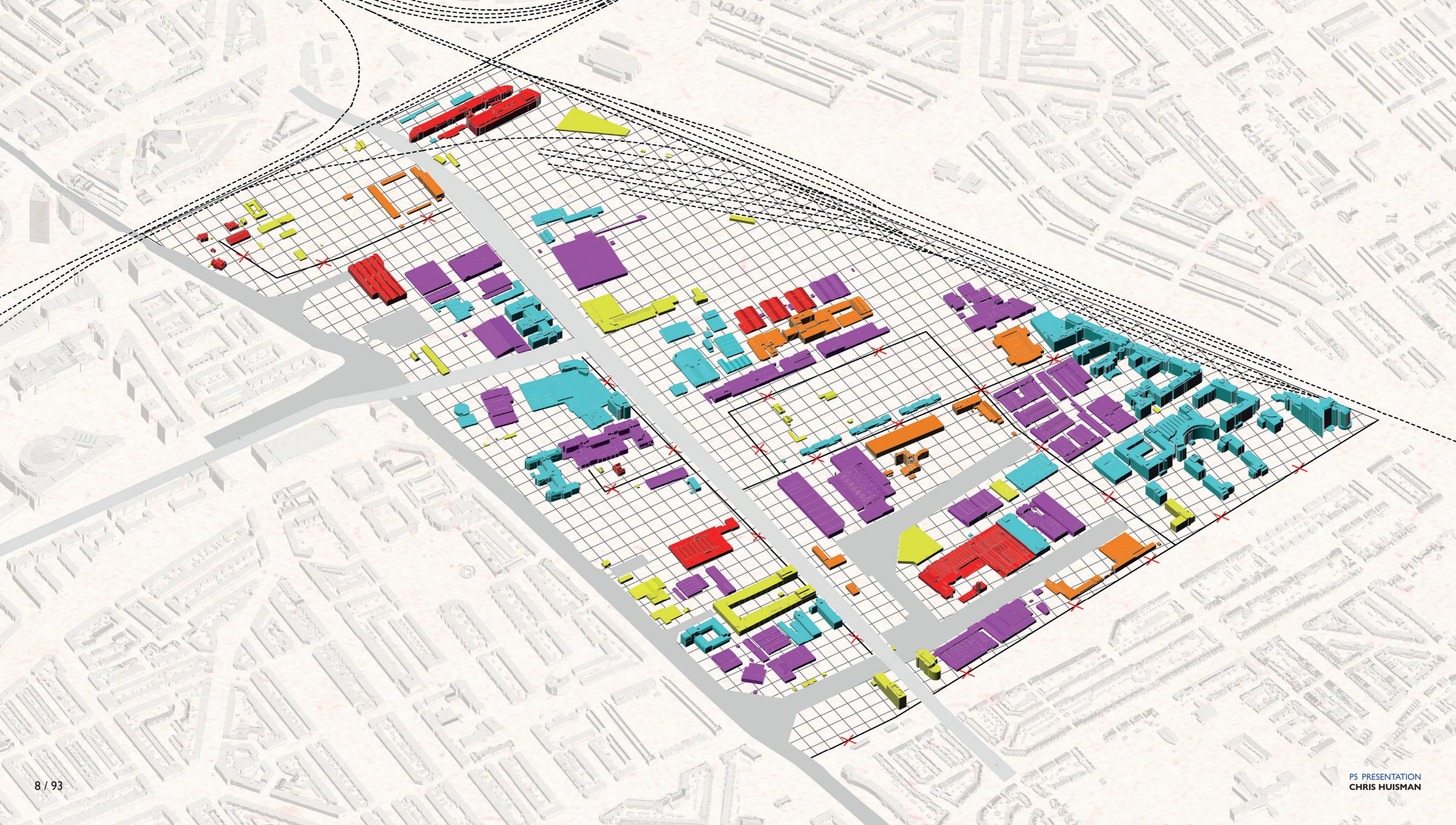
DESIGN



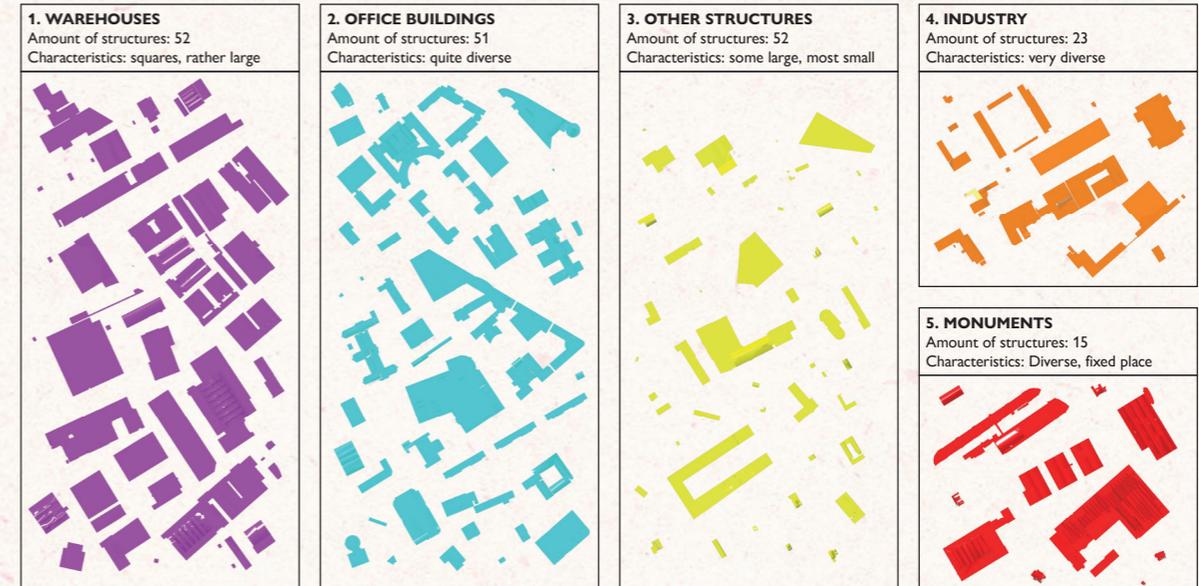
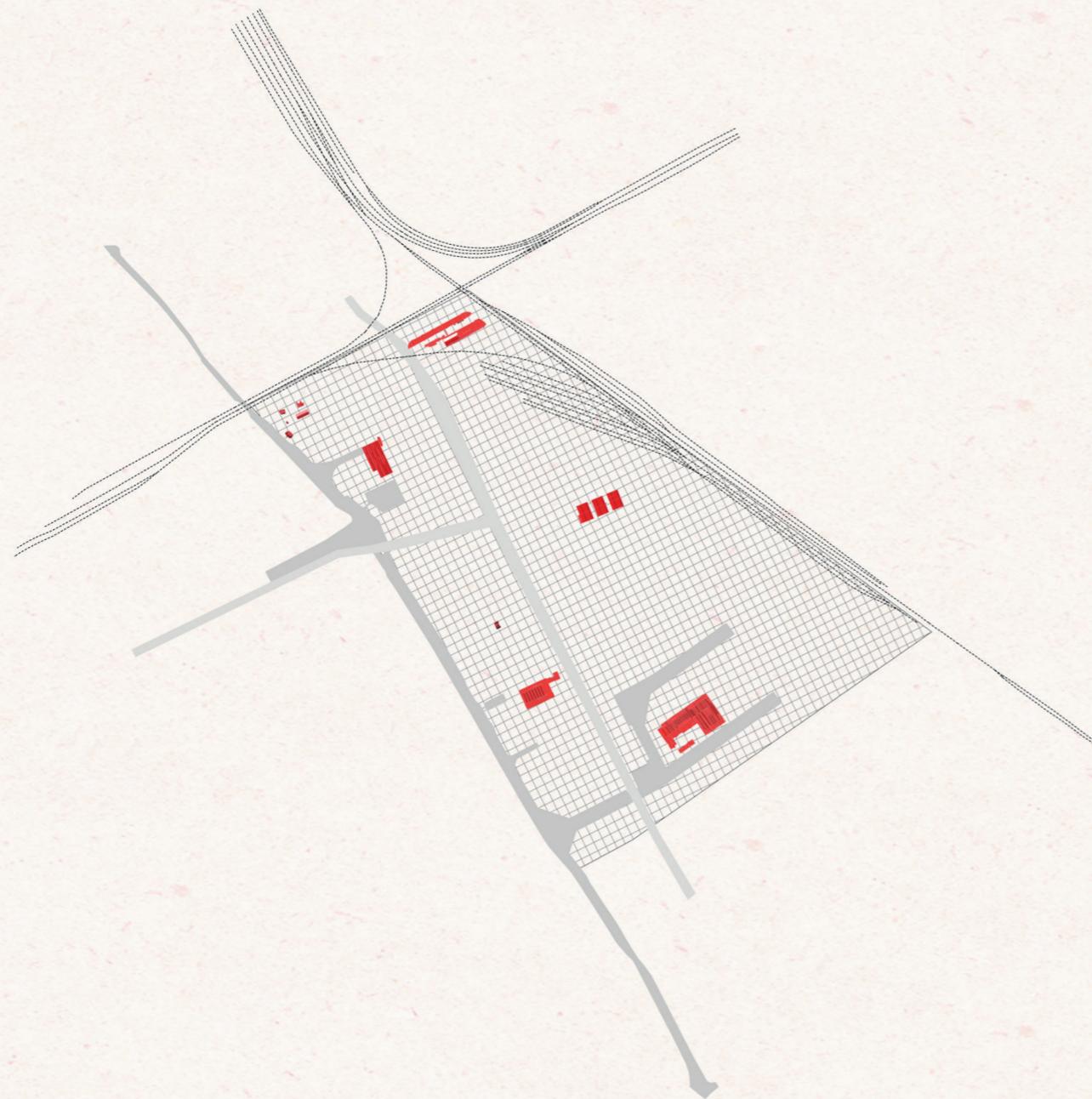








TAKING OUT: TAXONOMY



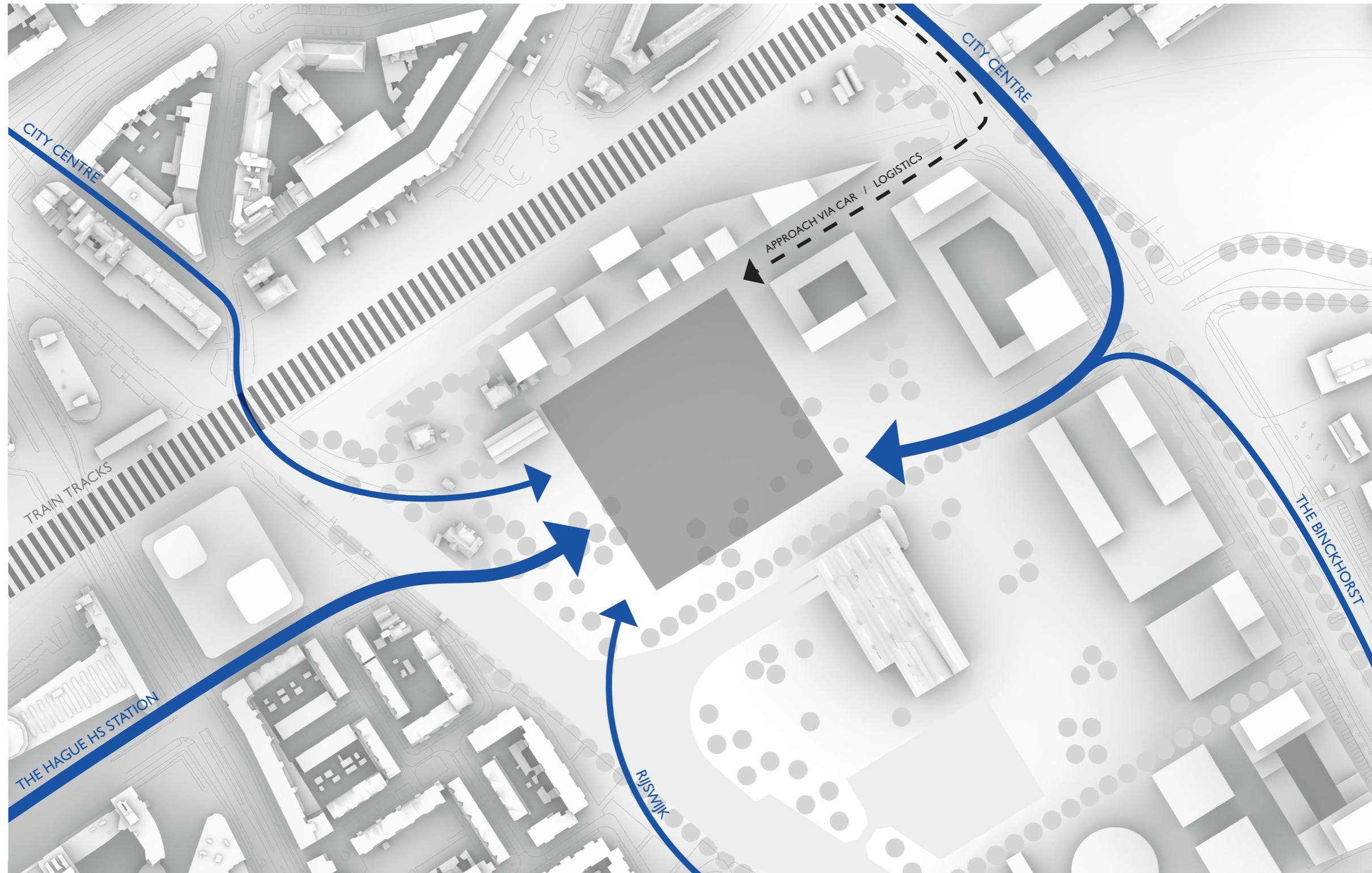
RELOCATE: MAX. MIXING

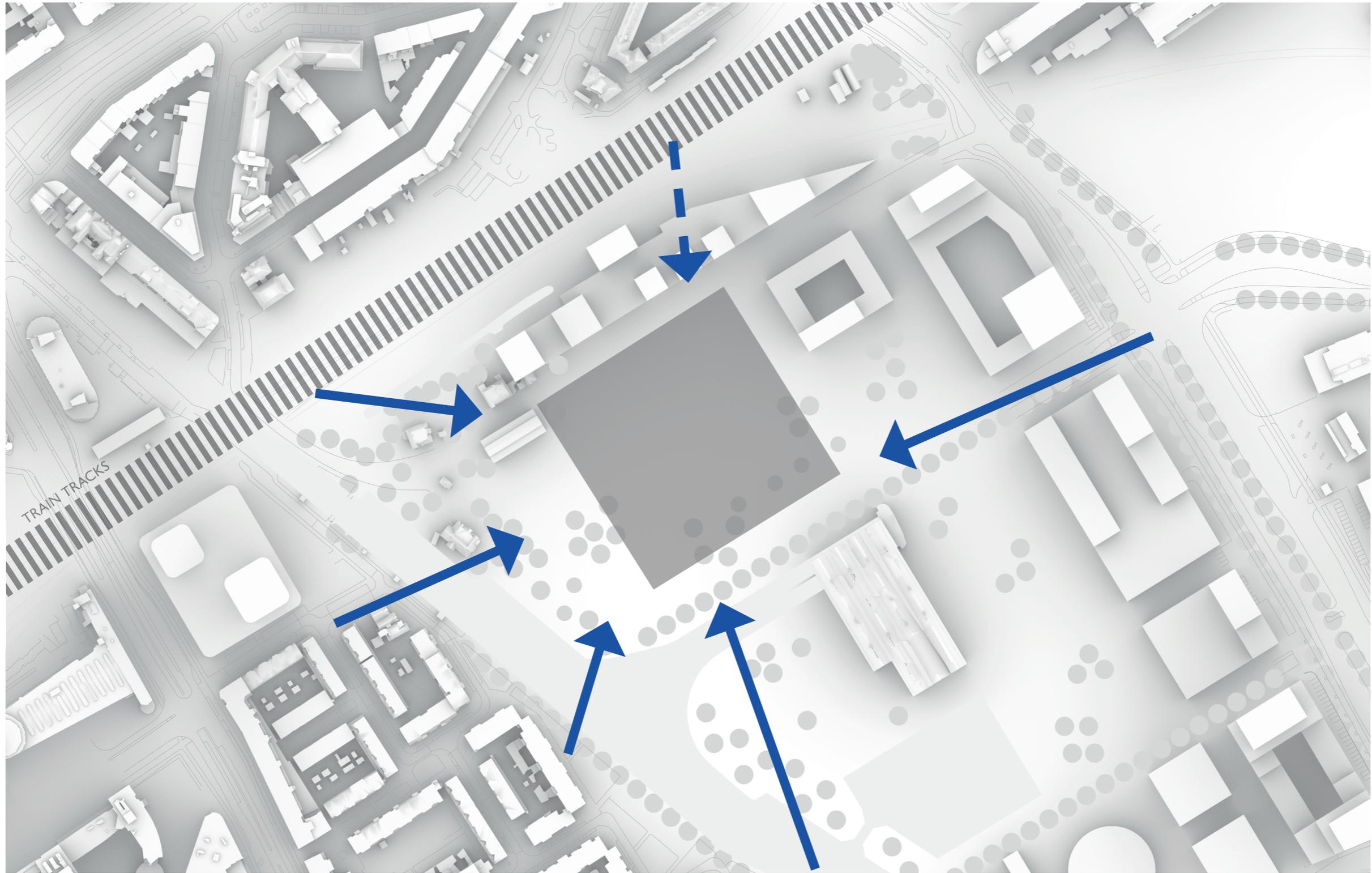


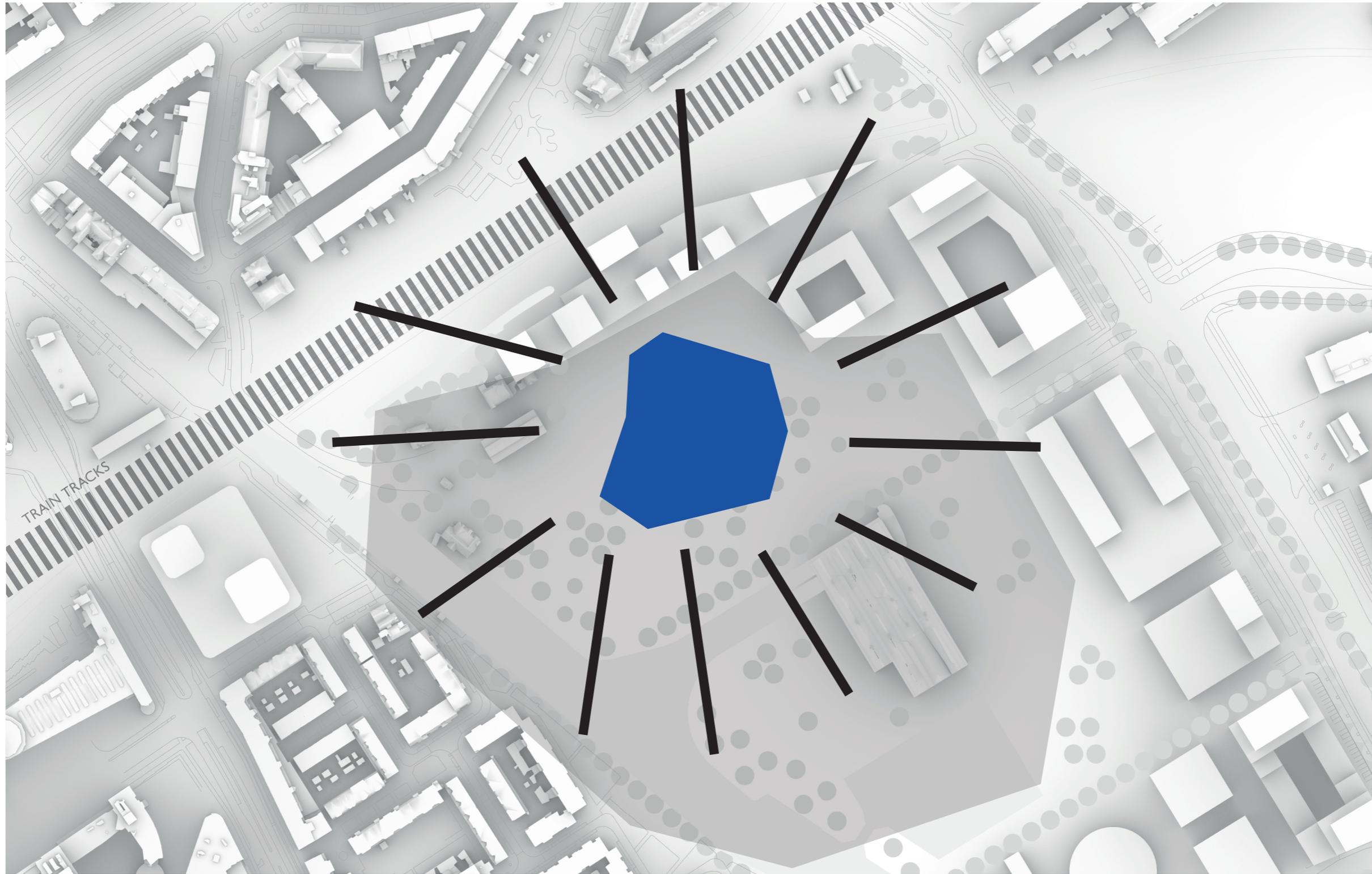
= BINCKHORST FESTIVAL











BINCKHORST

AMBITION

FORM

FESTIVAL

STRUCTURE

CONCEPT

DESIGN

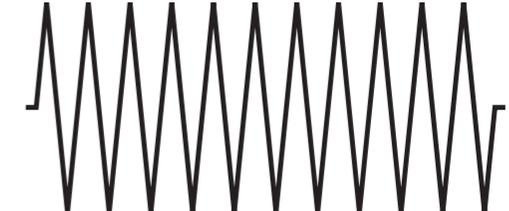


input: weak signal



AMP

add energy



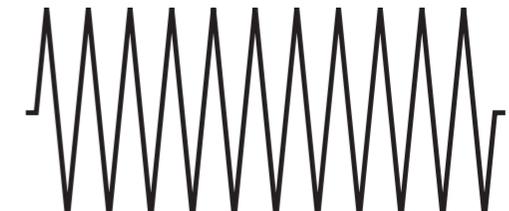
output: strong signal



input: weak signal



FORM



output: strong signal

THE GOAL IS TO
DESIGN AN **ICONIC**
MUSIC VENUE THAT IS
MULTIFUNCTIONAL,
MIXED, FEELS LIKE
A **FESTIVAL** AND
THAT AMPLIFIES THE
BINCKHORST.

CONCERT HALLS



Chamber music room
22 x 22 x 121 = 590 m²



Second concert hall / theater,
stage & balconies
44 x 22 x 151 = 1,150 m²



Main concert hall, (back / side) stage,
balconies & orchestra pit
89 x 32 x 201 = 5,770 m²

TOTAL: 5,770 m²

SUPPORT (PRIVATE)



Backstage & dressing
65 m²



Backstage, side stages, dressing rooms & crew
360 m²



Dressing rooms, green room & crew
540 m²

TOTAL: 965 m²

FOYERS (PUBLIC)



Foyer & bar
225 m²



Foyer & bar
750 m²



Foyer, VIP-area & bar
1,300 m²

TOTAL: 2,275 m²

ENTRANCE + CONCERTS SUPPORT



Circulation, entrance, waiting line, wardrobes, Casier & Restrooms
3,100 m²

TOTAL: 3,100 m²

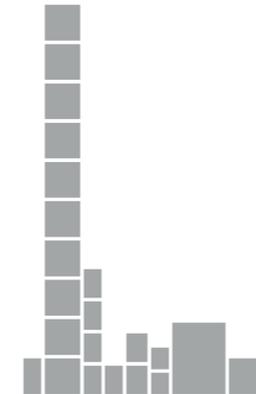
OTHER (CAFE, SHOP, ETC.)



Exhibition, shop, restaurant, cafe & kitchen
1,300 m²

TOTAL: 1,300 m²

ARTISTS & STAFF



Entrance, rehearsal, study, video, recording, first aid, office & support
1,810 m²

TOTAL: 1,810 m²

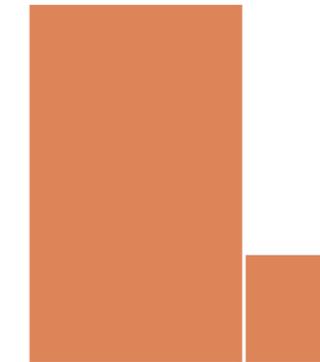
TECHNICAL



Technical space (+10% GFA) & storage
2,600 m²

TOTAL: 2,600 m²

PARKING



Car parking (300 cars) & bicycle parking
6,750 m²

TOTAL: 6,750 m²

GRAND TOTAL: 24.570 m²

GROSS AREA

24.570 m²

NETT AREA

± 19.000 m²

TOTAL VOLUME

± 160.000 m³

BINCKHORST

AMBITION

FORM

FESTIVAL

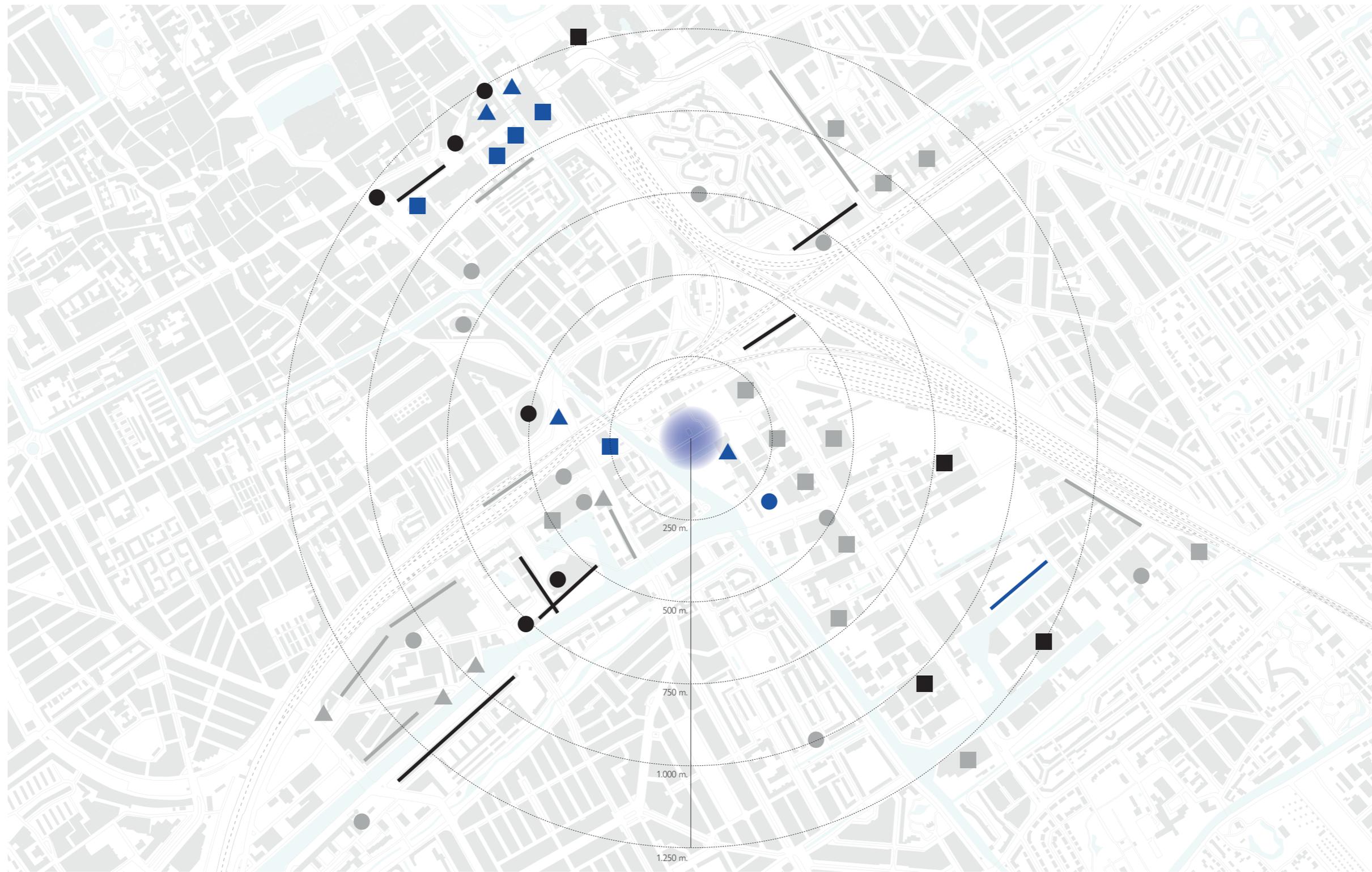
STRUCTURE

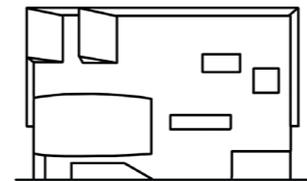
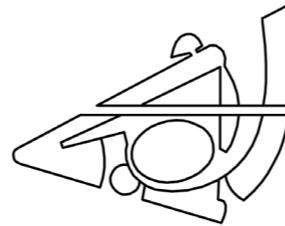
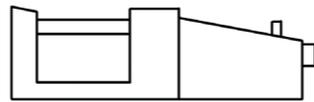
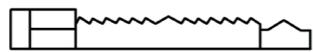
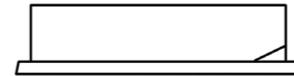
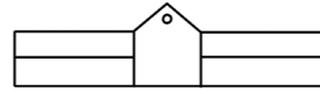
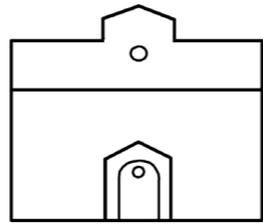
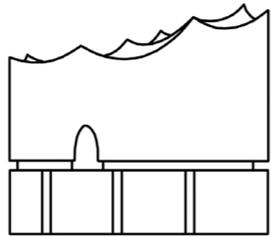
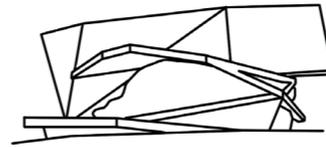
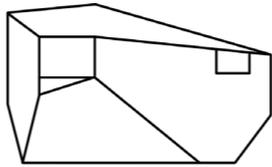
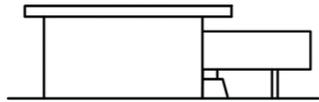
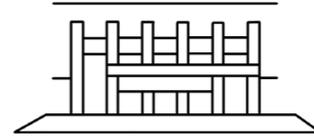
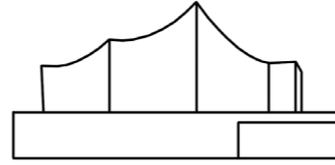
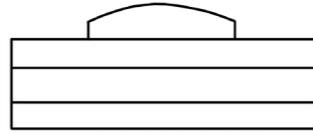
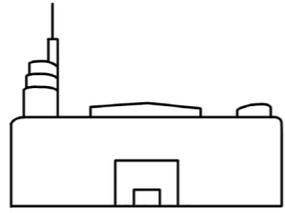
CONCEPT

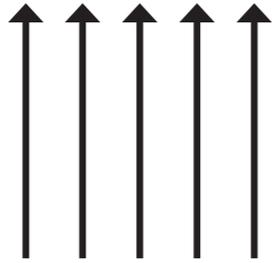
DESIGN

WHAT FORMS CAN BE FOUND ON **SITE**?

WHAT FORMS DO **MUSIC VENUES** HAVE?



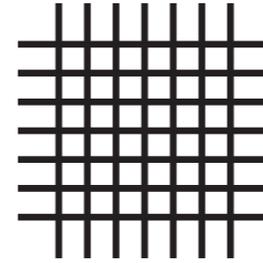




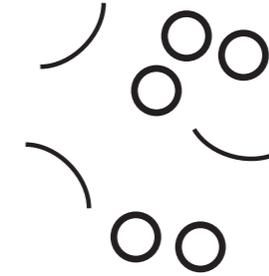
Emphasis on verticality



Triangular shapes (pointing upwards)



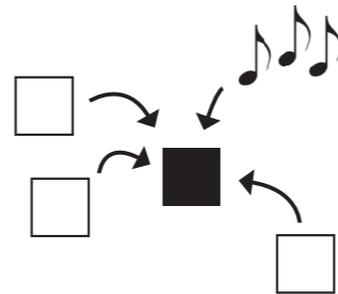
A lot of rhythm / repetition (strong grid, facades)



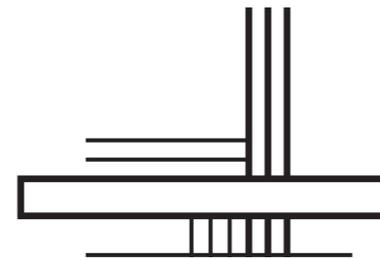
Round shapes used as details



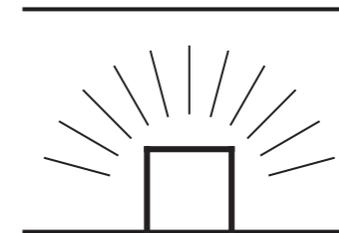
Concert halls are more sculptural and iconic



Inspiration from direct context and / or music



Strong movements / lines, both vertical / horizontal



Sometimes a grand entrance (big gesture)

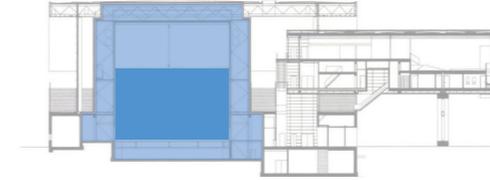
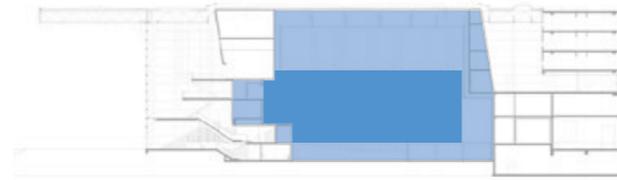
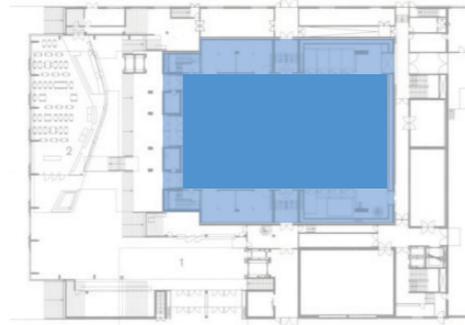
A CONCERT HALL, A THEATRE AND A JAZZ HALL,
WHAT FORMS DO THESE MUSIC VENUE
TYPOLOGIES HAVE?

PLAN

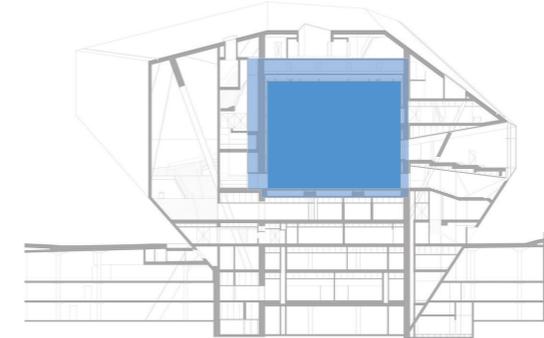
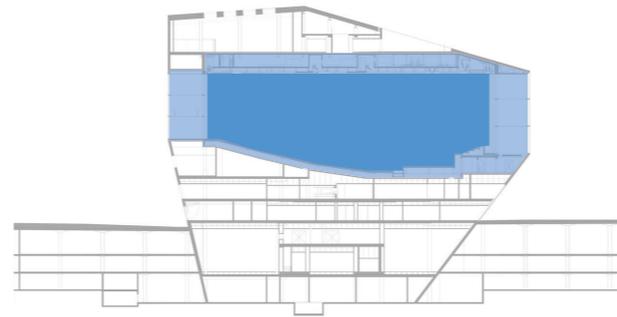
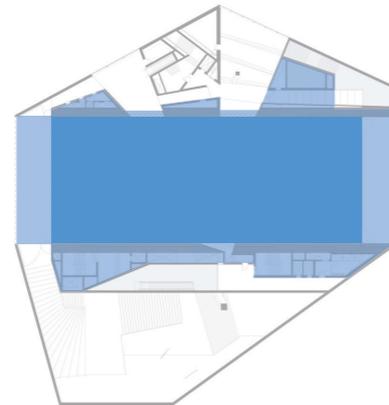
LONGITUDINAL SECTION

CROSS SECTION

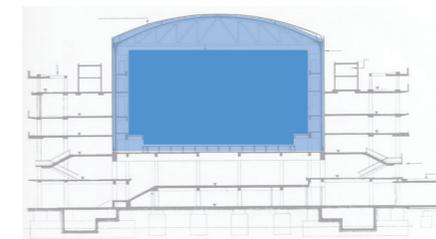
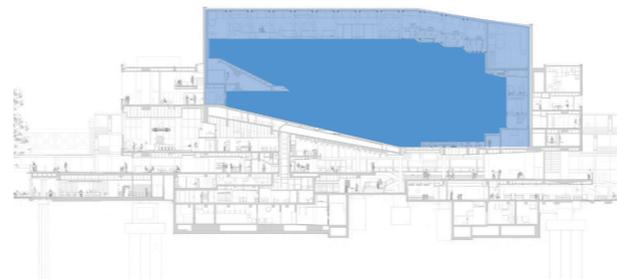
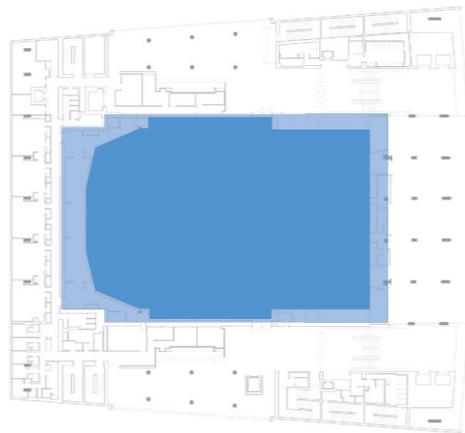
MUZIEKGEBOUW
AAN 'T IJ,
AMSTERDAM (3XN)



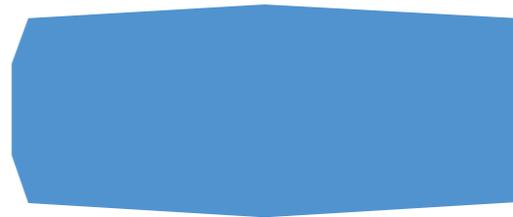
CASA DA MUSICA,
PORTO (OMA)



ROYAL FESTIVAL
HALL, LONDON
(LESLIE MARTIN,
ROBERT MATTHEW
& PETER MORO)



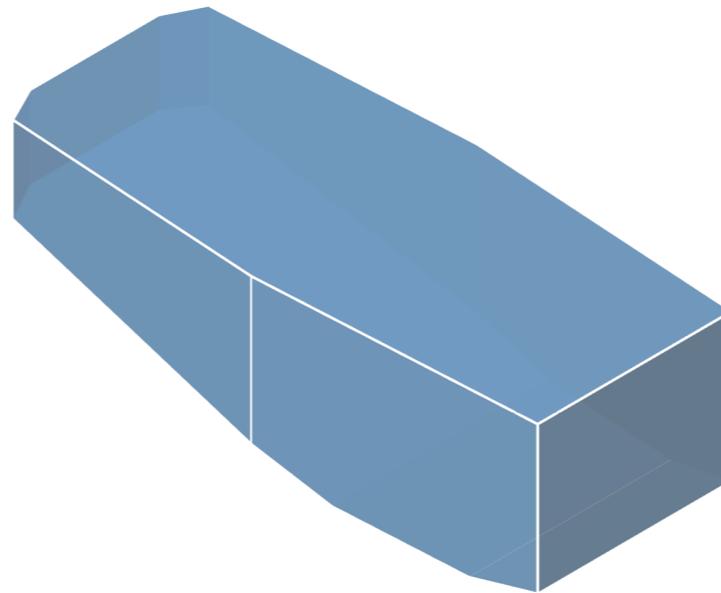
PLAN



LONGITUDINAL SECTION



CROSS SECTION

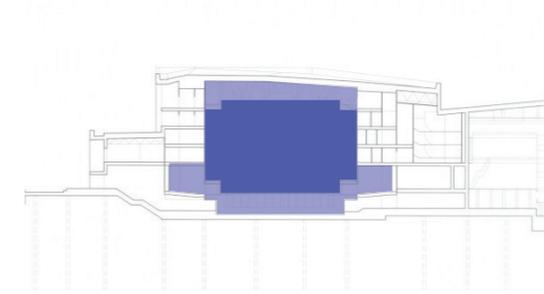
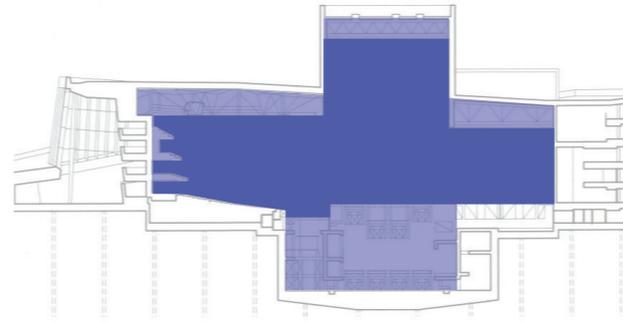
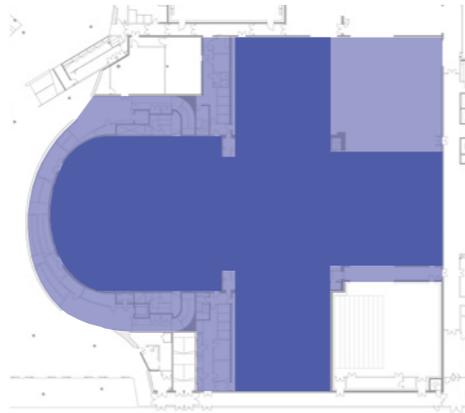


PLAN

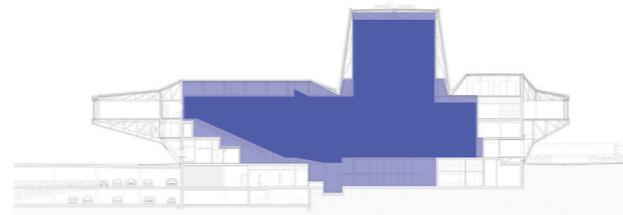
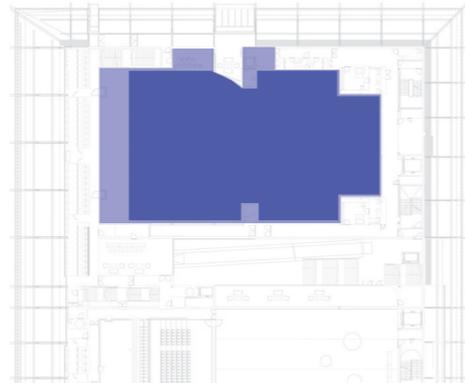
LONGITUDINAL SECTION

CROSS SECTION

OSLO OPERA HOUSE, OSLO (SNØHETTA)

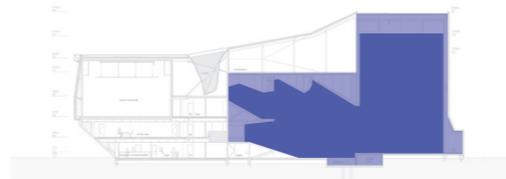
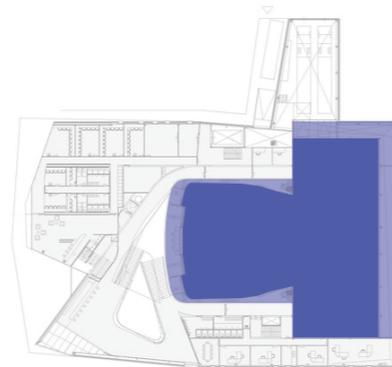


LA LLOTJA THEATRE AND CONFERENCE CENTRE, LLEIDA (MECANOO)



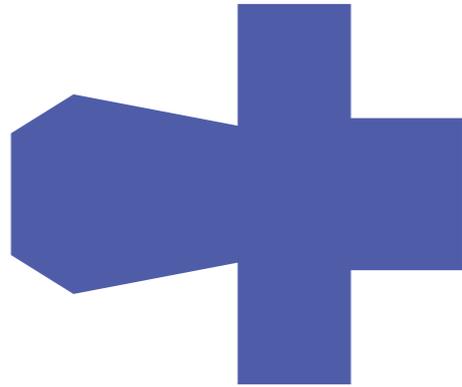
N/A

AGORA THEATRE, LELYSTAD (UNSTUDIO)

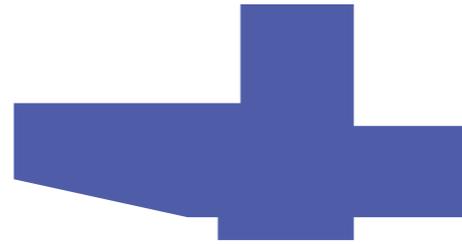


N/A

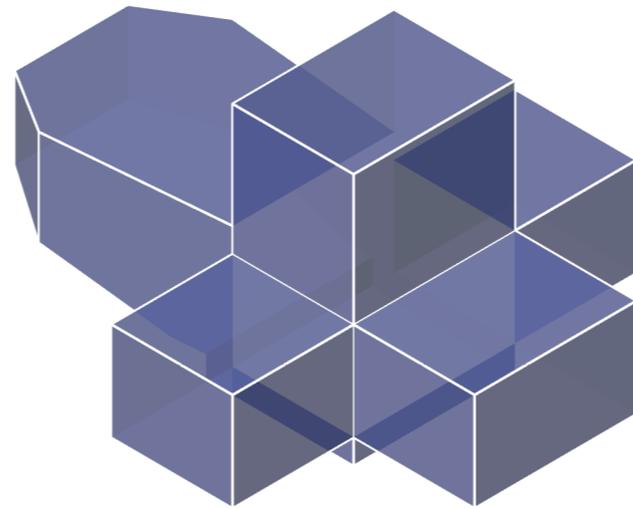
PLAN



LONGITUDINAL SECTION

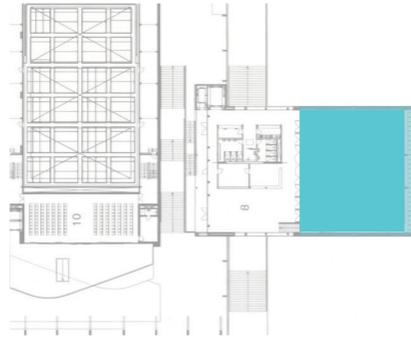


CROSS SECTION

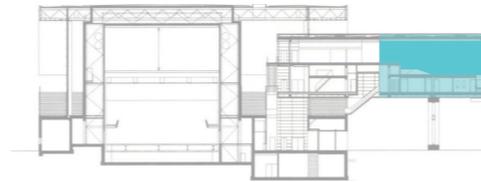


BIMHUIS,
AMSTERDAM
(STUDIO C
ARCHITECTEN &
3XN)

FLOOR PLAN



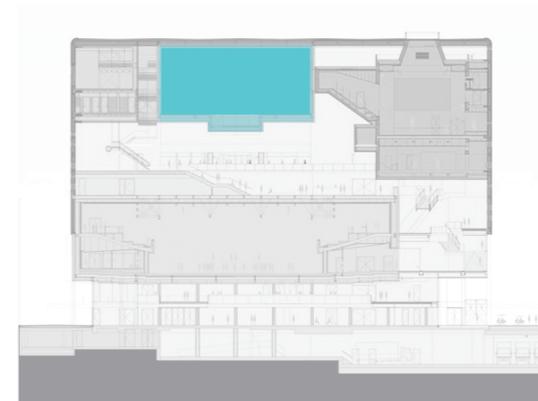
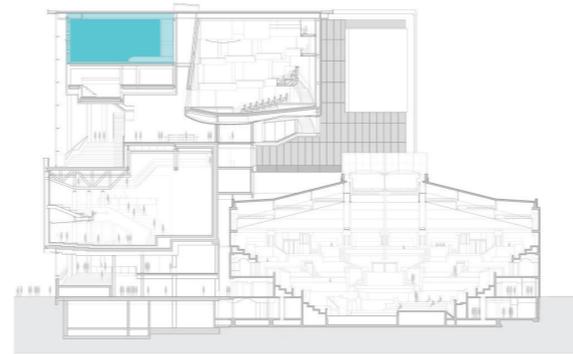
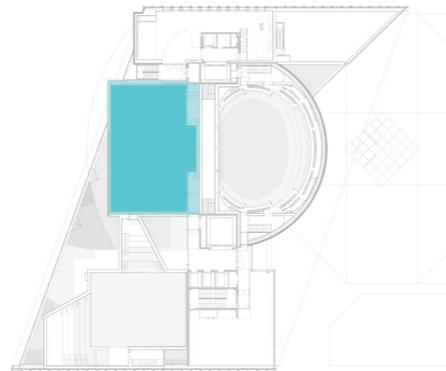
LONGITUDINAL SECTION



CROSS SECTION

N/A

TIVOLI
VREDENBURG
(CLOUD NINE),
UTRECHT
(HERMAN
HERTZBERGER,
THIJS ASSELBERGS)



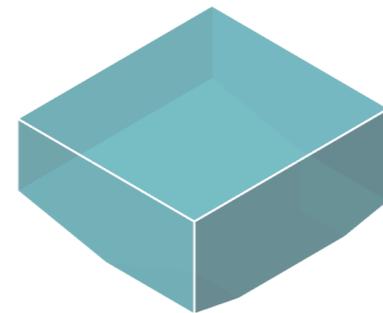
PLAN

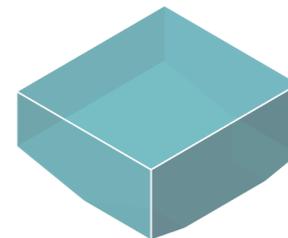
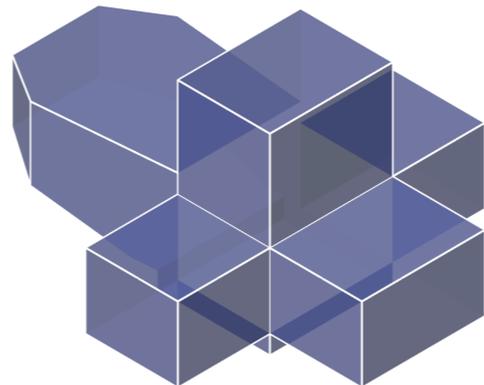
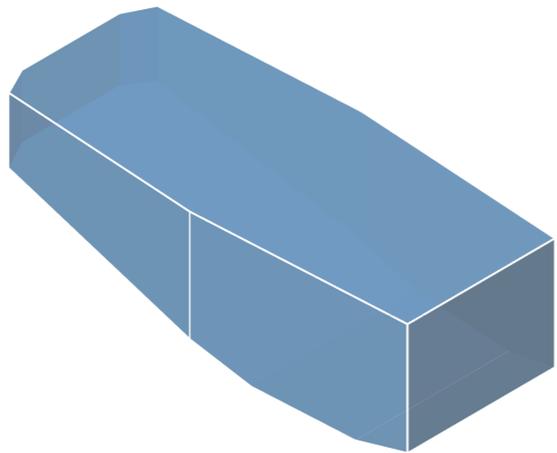


LONGITUDINAL SECTION



CROSS SECTION





BINCKHORST

AMBITION

FORM

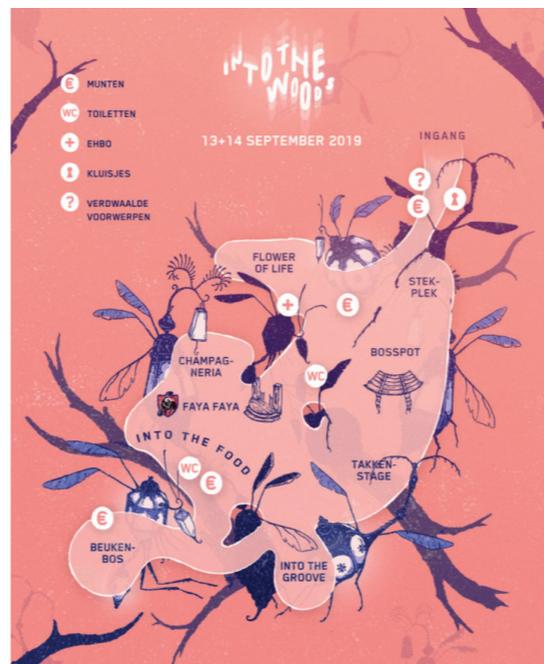
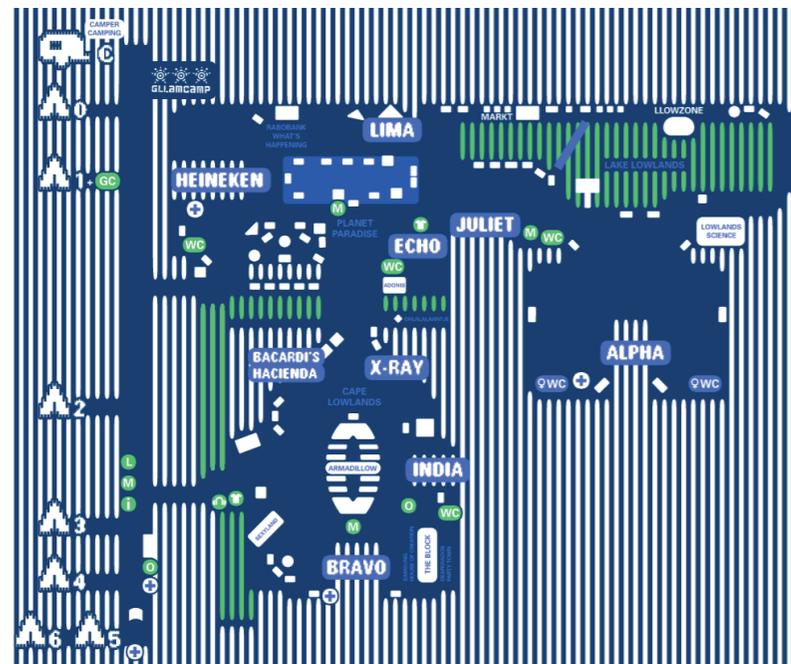
FESTIVAL

STRUCTURE

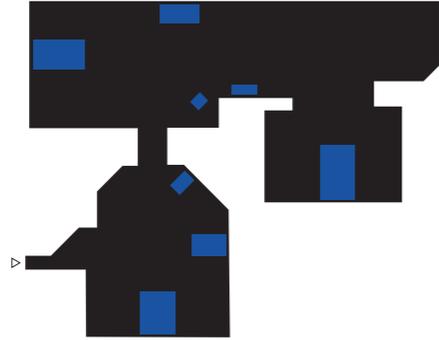
CONCEPT

DESIGN

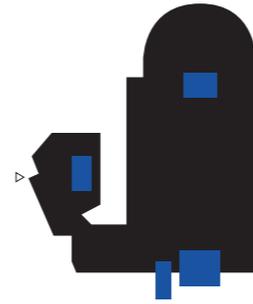




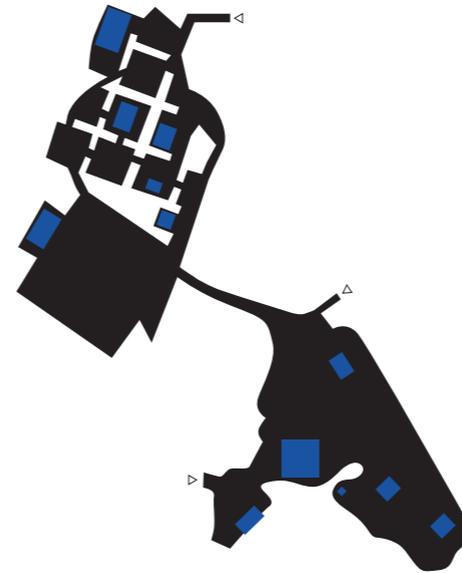
LOWLANDS



PINKPOP



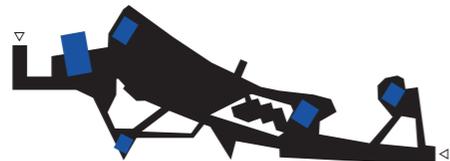
MYSTERYLAND



INTO THE WOODS



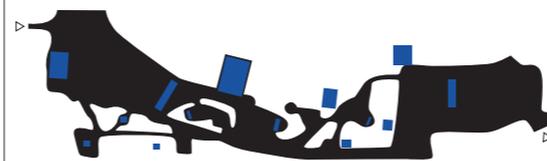
BEST KEPT SECRET



DOWN THE RABBIT HOLE

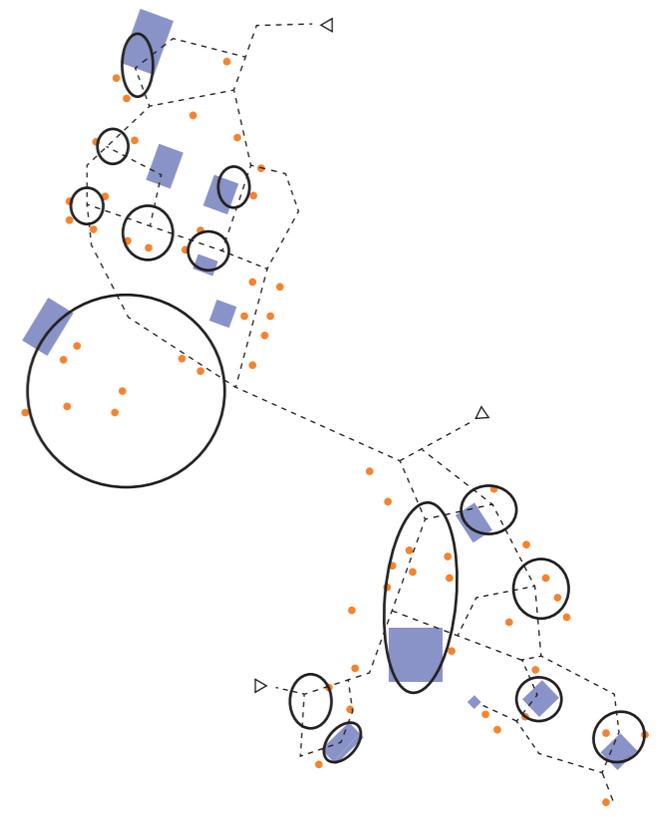
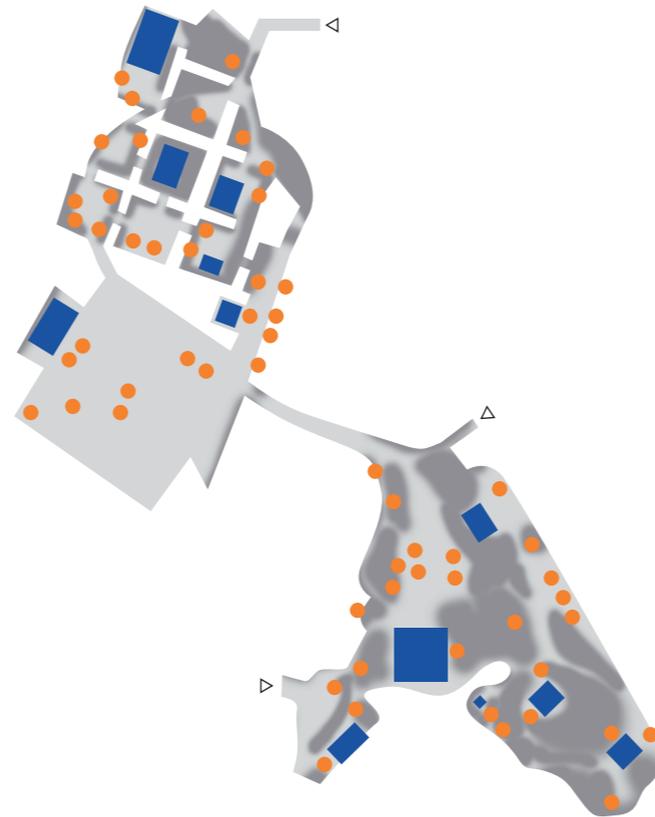


DECIBEL

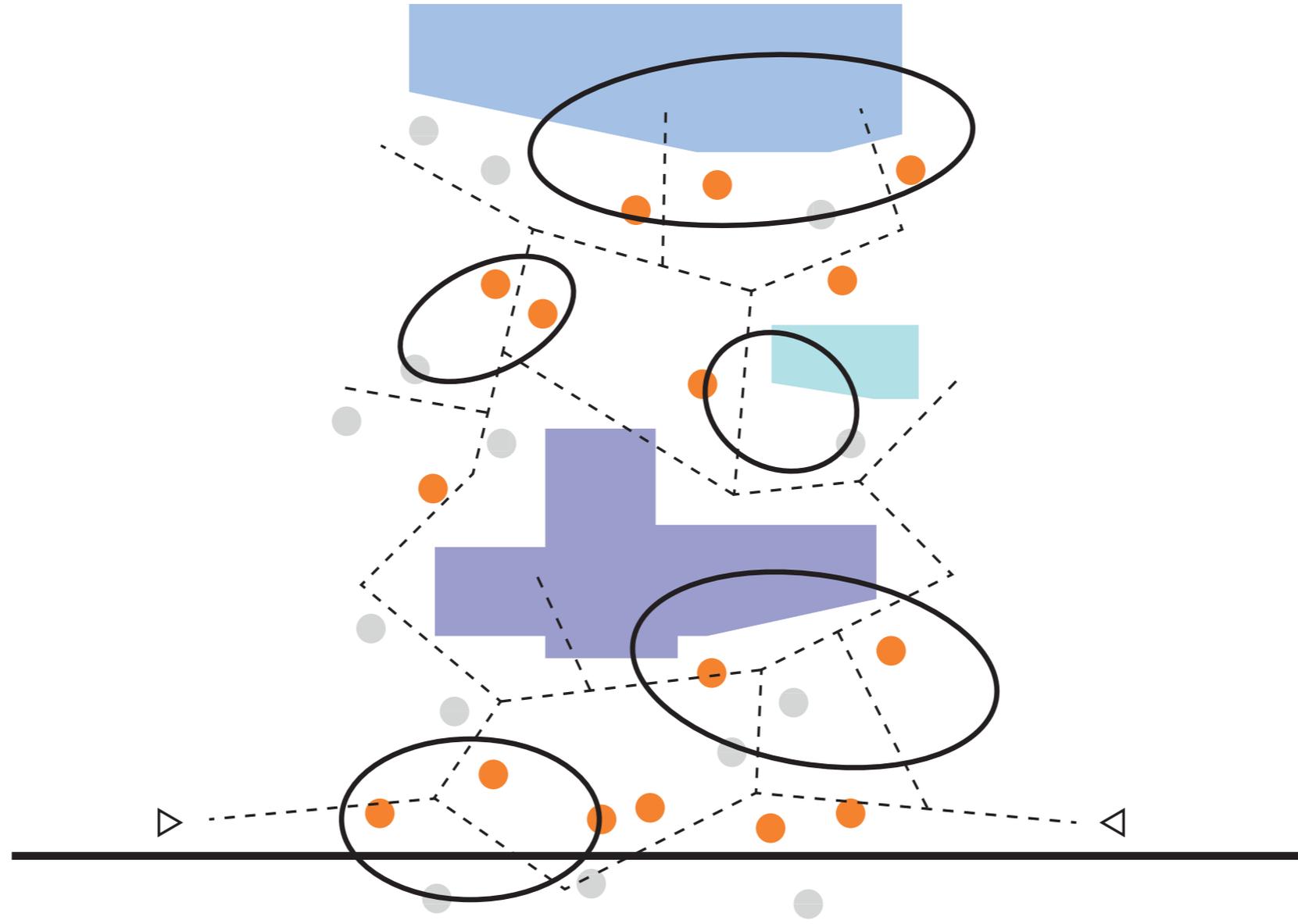


ZWARTE CROSS





A **FESTIVAL TERRAIN** CONSISTS OF A SEQUENCE OF **OPEN AND CLOSED SPACES**, WHICH ARE FREE TO **EXPLORE** IN ALL DIRECTIONS. ALL THE **STAGES** AND OTHER TYPES OF **PROGRAM** (SUCH AS BARS, STANDS AND ART INSTALLATIONS) ARE PLACED AROUND THESE SPACES, EVENLY **SPREAD OUT** OVER THE WHOLE FESTIVAL TERRAIN.



BINCKHORST

AMBITION

FORM

FESTIVAL

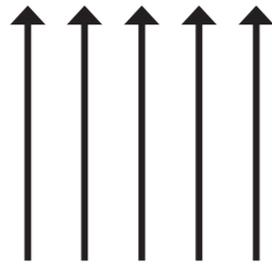
STRUCTURE

CONCEPT

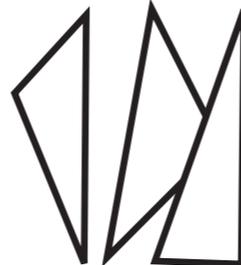
DESIGN



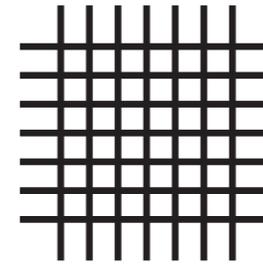




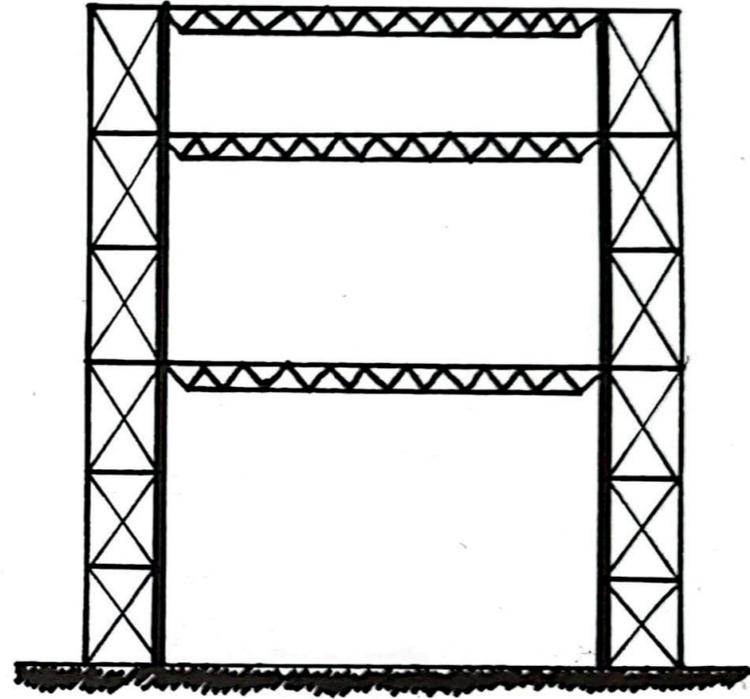
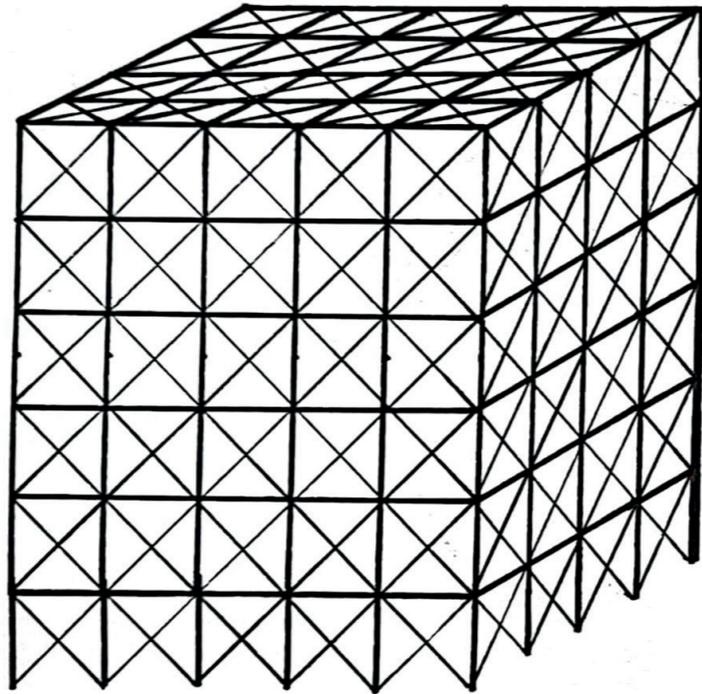
Emphasis on verticality



Triangular shapes (pointing upwards)



A lot of rhythm / repetition (strong grid, facades)



BINCKHORST

AMBITION

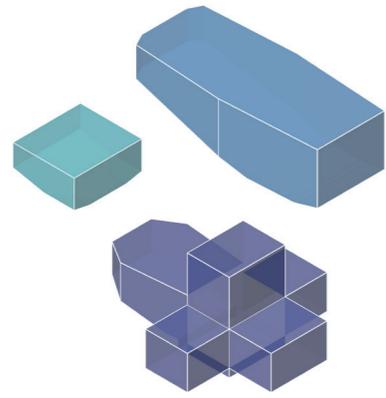
FORM

FESTIVAL

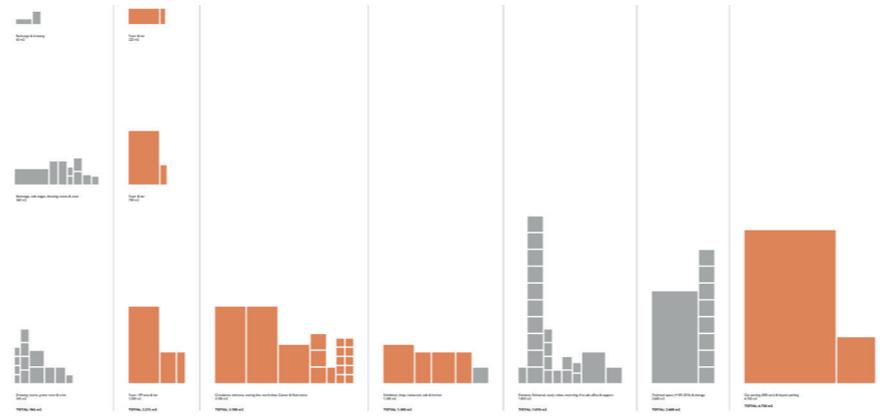
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CONCEPT

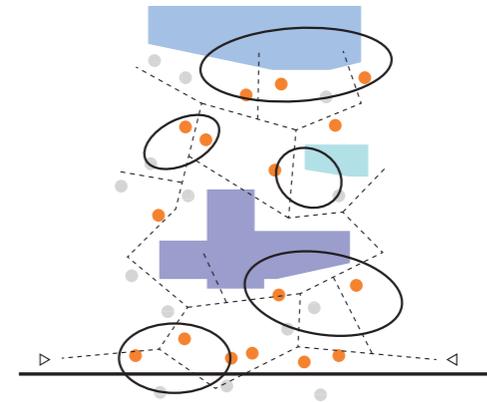
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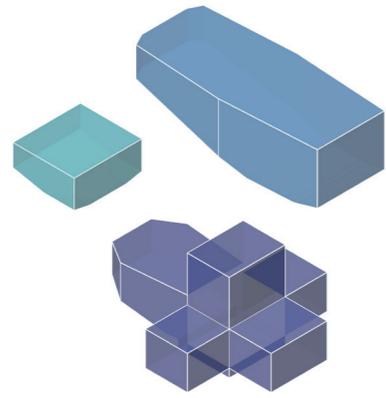


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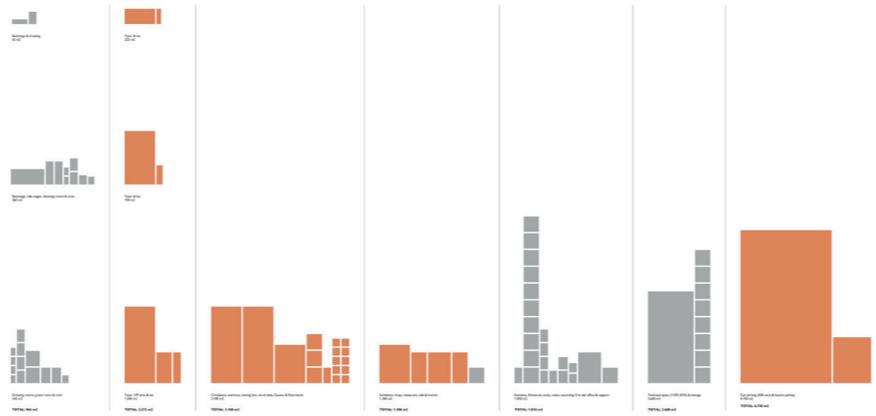


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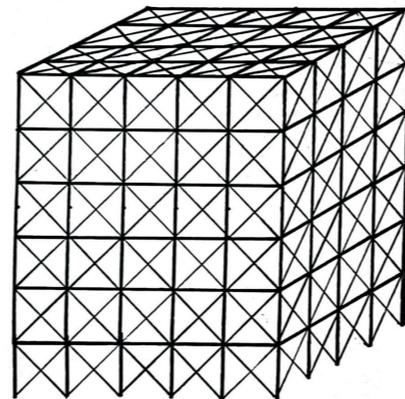
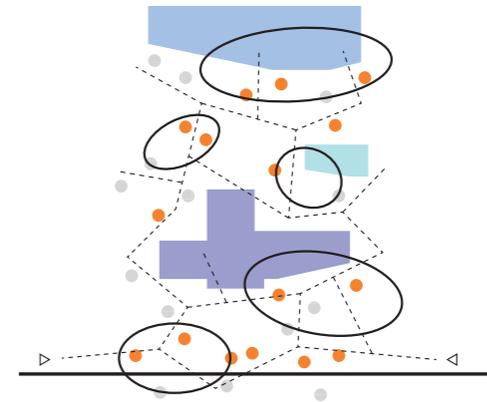




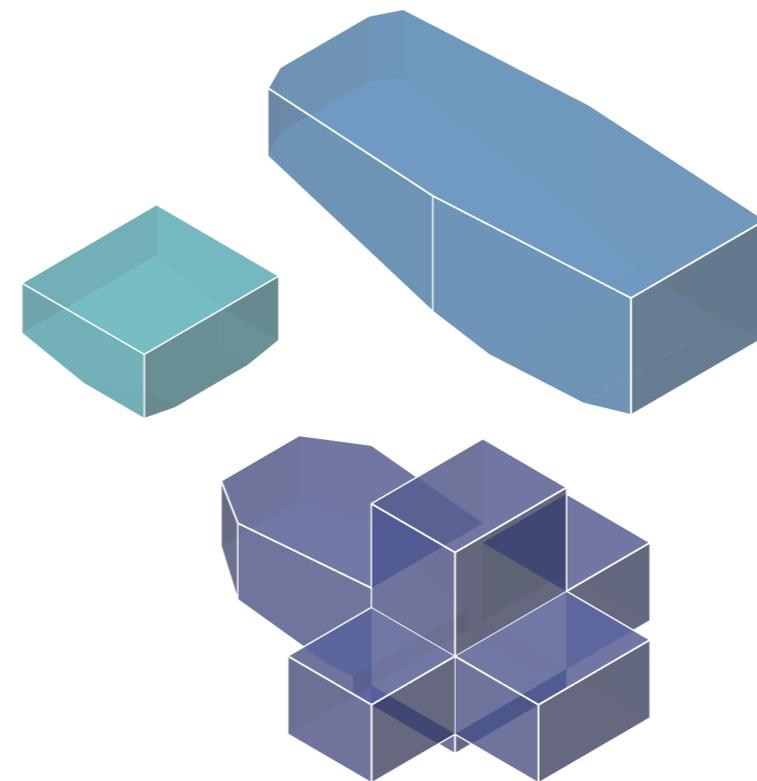
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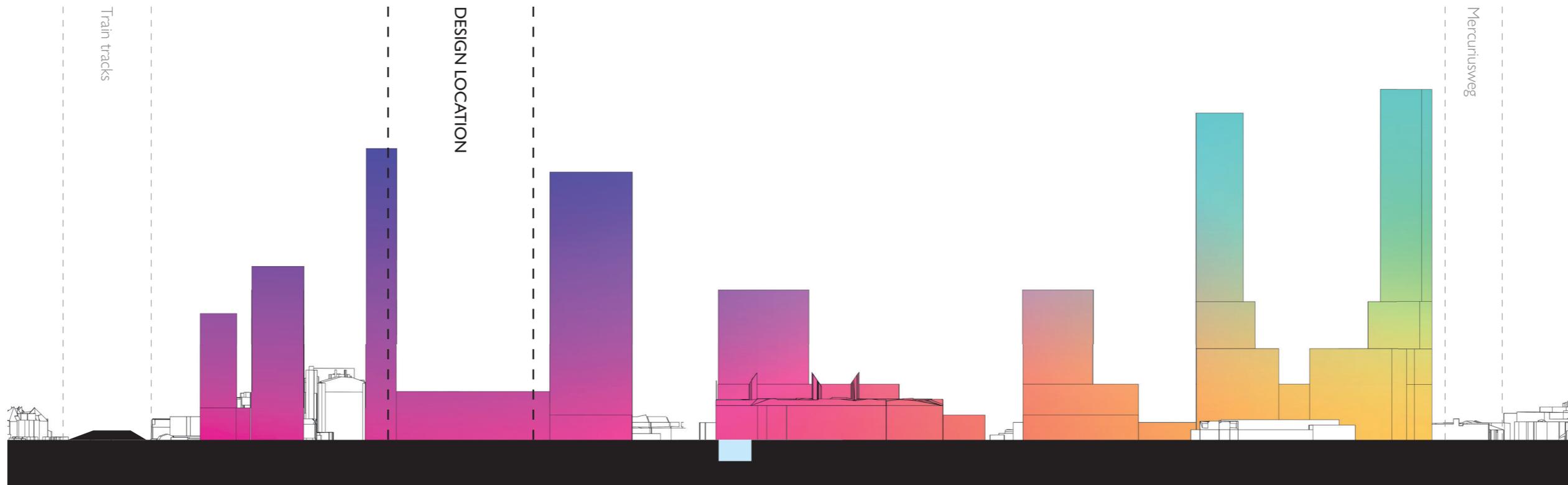


+



THE MAIN HALLS





TOP: Chamber music
MIDDLE: Theater hall
BOTTOM: Concert hall



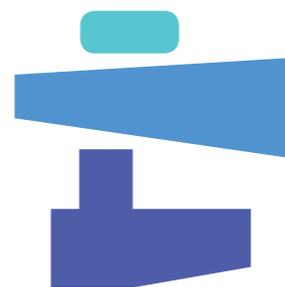
- + Very compact configuration
- Big volume at the bottom

TOP: Theater hall
MIDDLE: Chamber music
BOTTOM: Concert hall



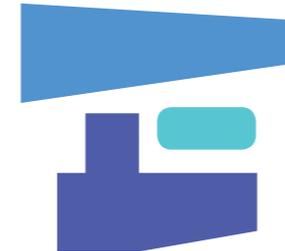
- + Fly tower highest point
- Big volume at the bottom

TOP: Chamber music
MIDDLE: Concert hall
BOTTOM: Theater hall



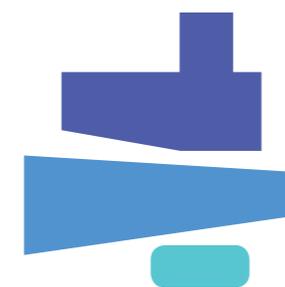
- + Multi-purpose theater at the bottom
- Smallest volume on top

TOP: Concert hall
MIDDLE: Chamber music
BOTTOM: Theater hall



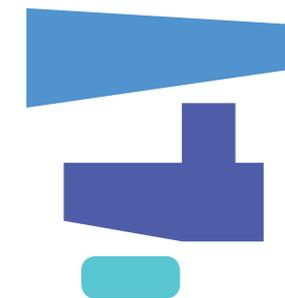
- + Multi-purpose theater at the bottom
- + Compact
- + Largest volume on top

TOP: Theater hall
MIDDLE: Concert hall
BOTTOM: Chamber music



- + Fly tower highest point
- Big volume at the bottom

TOP: Concert hall
MIDDLE: Theater hall
BOTTOM: Chamber music



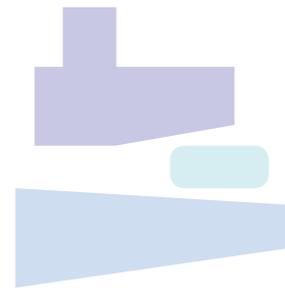
- + Largest volume on top
- + Small volume at the bottom

TOP: Chamber music
MIDDLE: Theater hall
BOTTOM: Concert hall



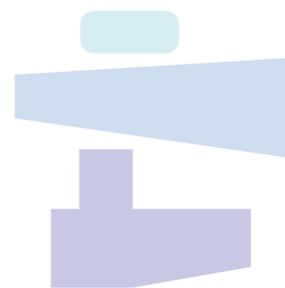
- + Very compact configuration
- Big volume at the bottom

TOP: Theater hall
MIDDLE: Chamber music
BOTTOM: Concert hall



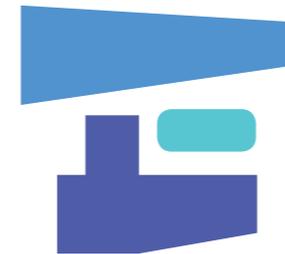
- + Fly tower highest point
- Big volume at the bottom

TOP: Chamber music
MIDDLE: Concert hall
BOTTOM: Theater hall



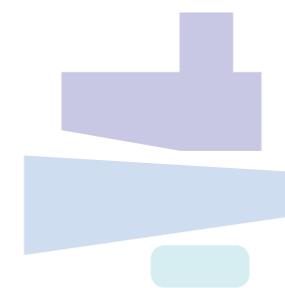
- + Multi-purpose theater at the bottom
- Smallest volume on top

TOP: Concert hall
MIDDLE: Chamber music
BOTTOM: Theater hall



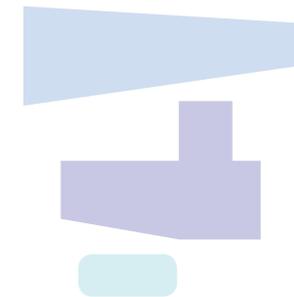
- + Multi-purpose theater at the bottom
- + Compact
- + Largest volume on top

TOP: Theater hall
MIDDLE: Concert hall
BOTTOM: Chamber music

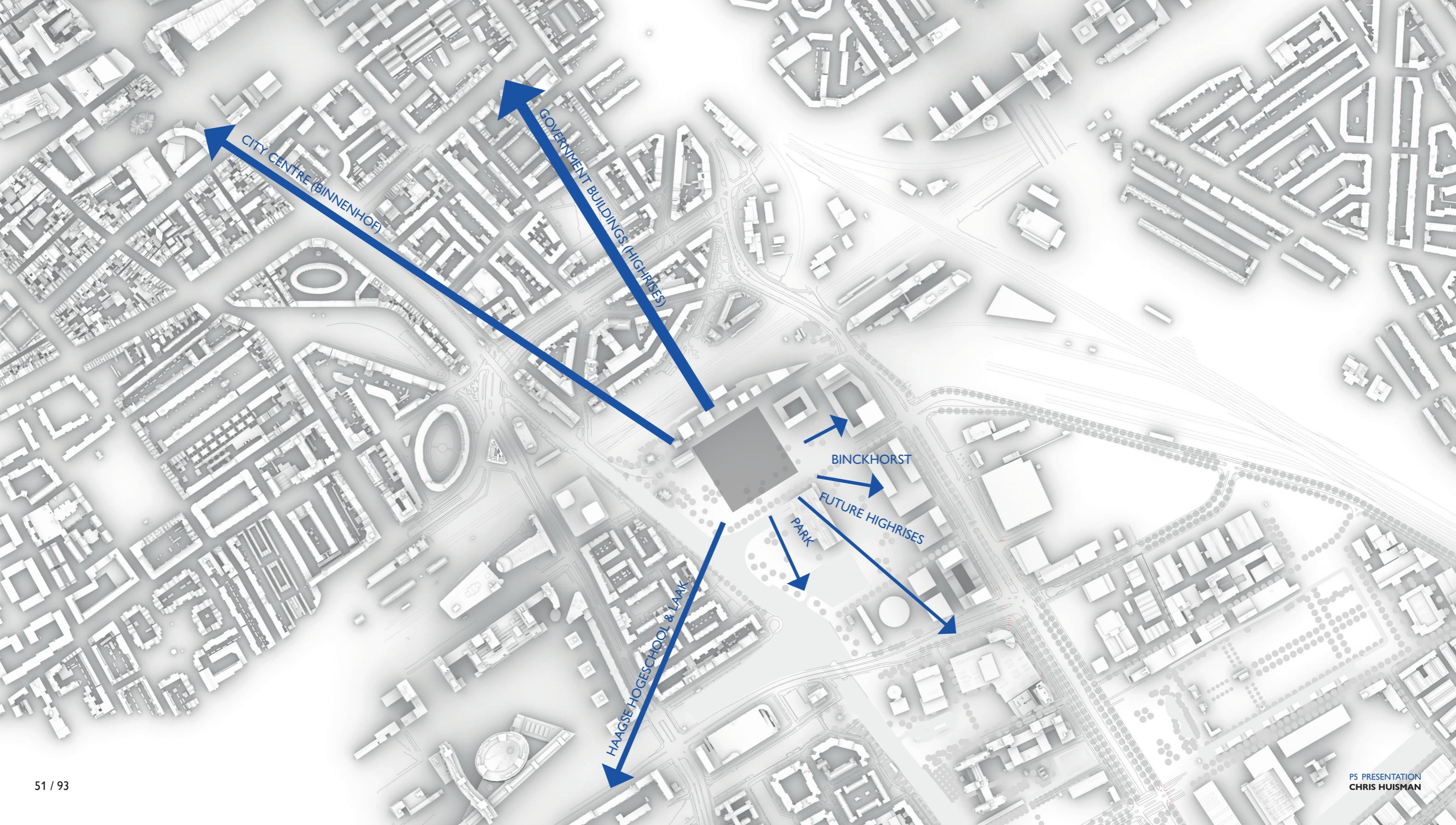


- + Fly tower highest point
- Big volume at the bottom

TOP: Concert hall
MIDDLE: Theater hall
BOTTOM: Chamber music



- + Largest volume on top
- + Small volume at the bottom



CITY CENTRE (BINNENHOF)

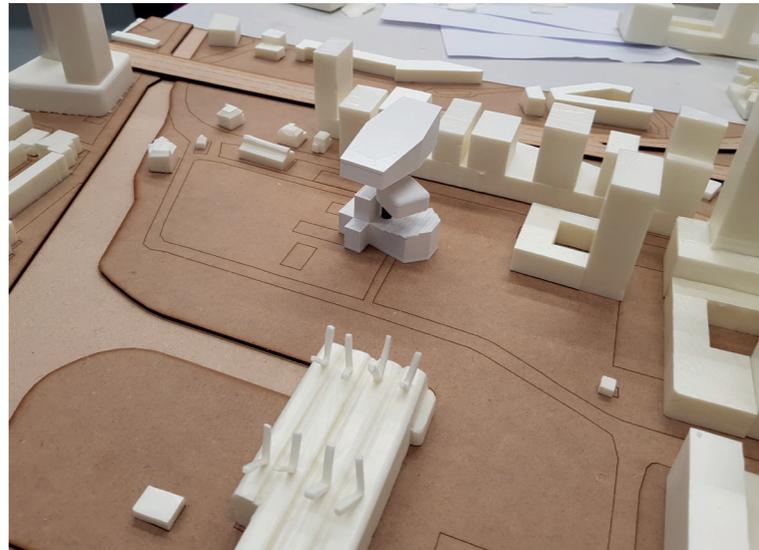
GOVERNMENT BUILDINGS (HIGHRISES)

BINCKHORST

FUTURE HIGHRISES

PARK

HAAGSE HOGESCHOOL & LAAK

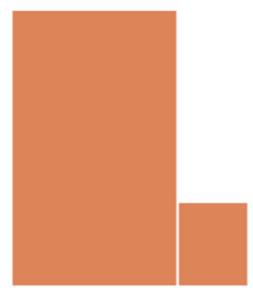
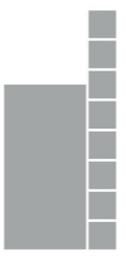
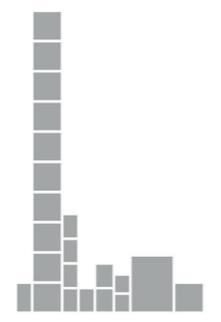
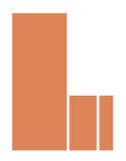


CONCERT HALL

CHAMBER
MUSIC

THEATRE

PARK



TOTAL: 915 m2

TOTAL: 1,375 m2

TOTAL: 1,100 m2

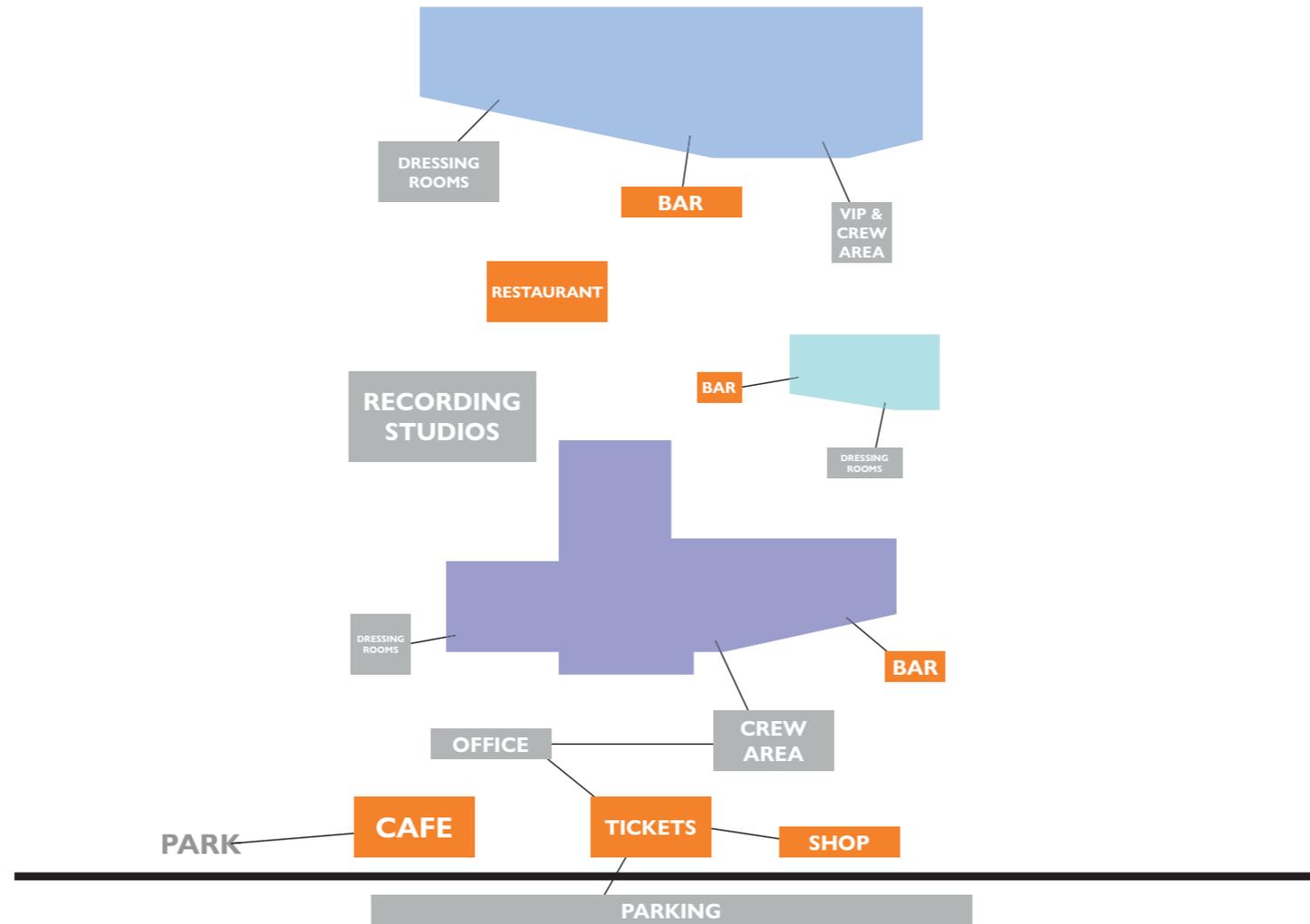
TOTAL: 1,300 m2

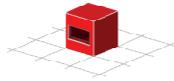
TOTAL: 1,810 m2

TOTAL: 2,400 m2

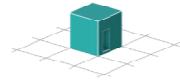
TOTAL: 4,750 m2

THE OTHER PROGRAM

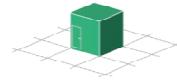




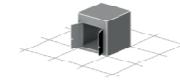
01. 4 x 4 x 4 m.



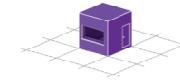
02. 4 x 4 x 4 m.



03. 4 x 4 x 4 m.



04. 4 x 4 x 4 m.



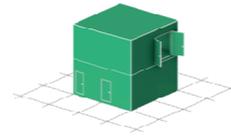
05. 4 x 4 x 4 m.



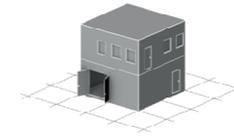
06. 8 x 8 x 8 m.



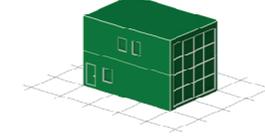
07. 8 x 8 x 8 m.



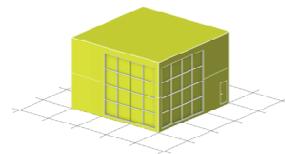
08. 8 x 8 x 8 m.



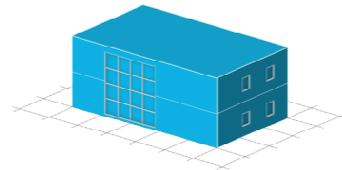
09. 8 x 8 x 8 m.



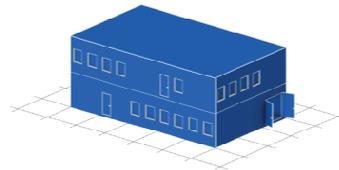
10. 12 x 8 x 8 m.



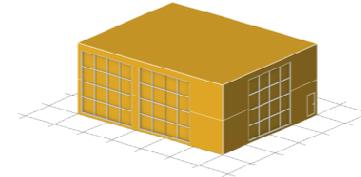
11. 12 x 12 x 8 m.



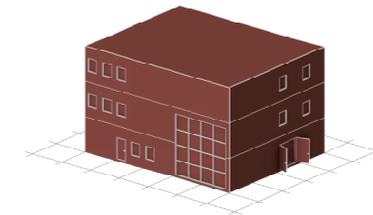
12. 20 x 12 x 8 m.



13. 20 x 12 x 8 m.



14. 20 x 16 x 8 m.



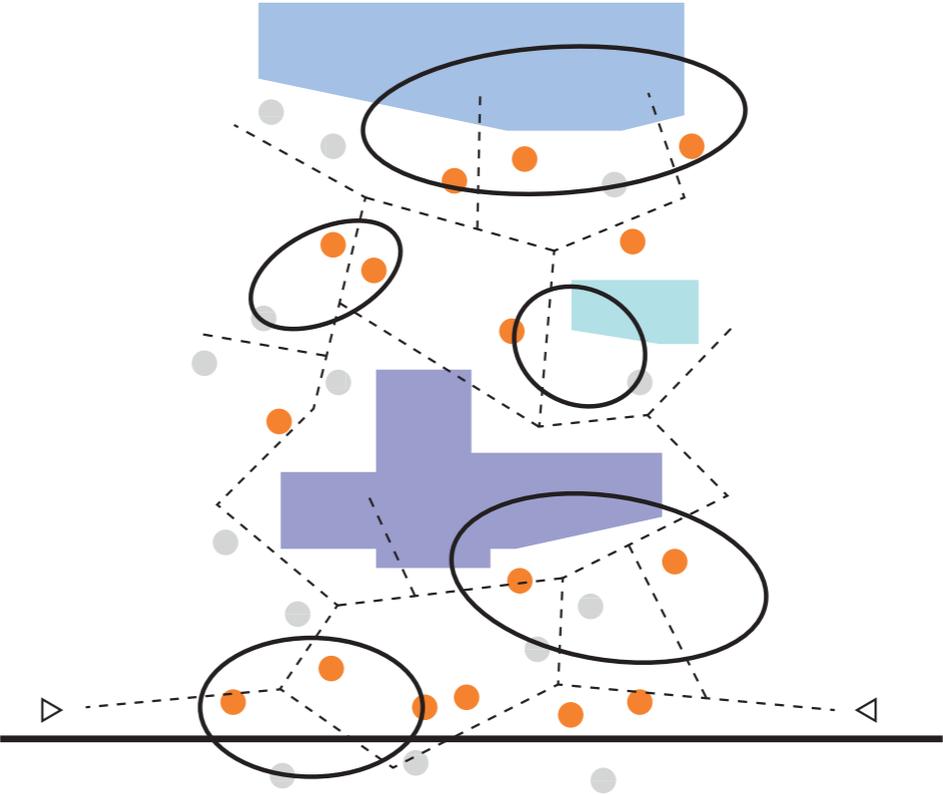
15. 20 x 16 x 12 m.

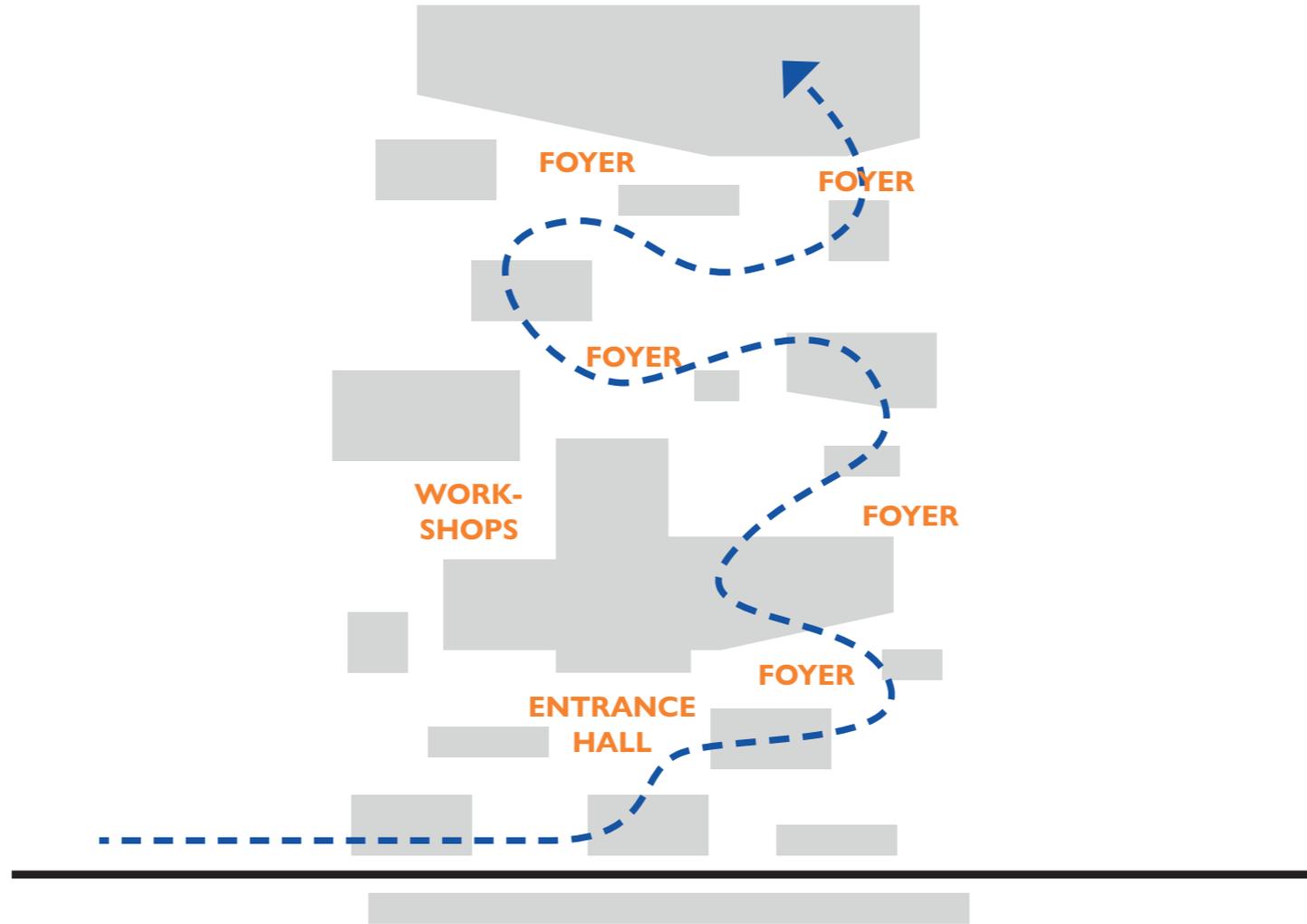
- 01. Ticket booth
- 02. Small toilet block
- 03. Small dressing room
- 04. Small storage
- 05. Wardrobe

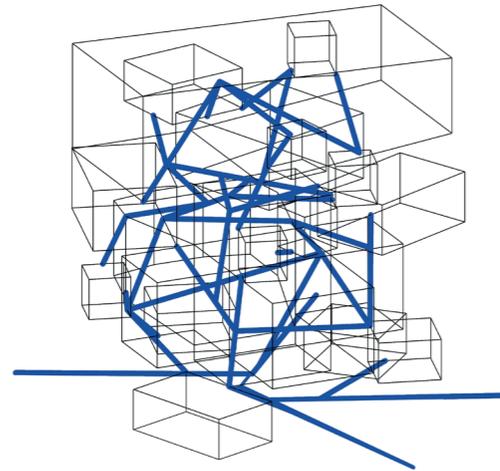
- 06. Bar (bottom) + toilet block (top)
- 07. Bar (top) + toilet block (bottom)
- 08. Large dressing room
- 09. Office + storage + tech. space
- 10. VIP room + crew area

- 11. Cafe
- 12. (Record) shop
- 13. Office
- 14. Restaurant
- 15. Rehearsal space + recording studio's

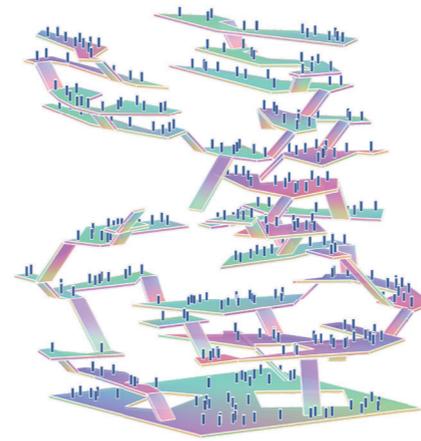
THE FESTIVAL SPACE



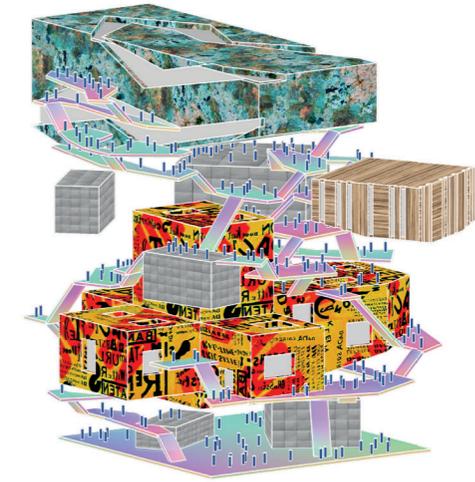




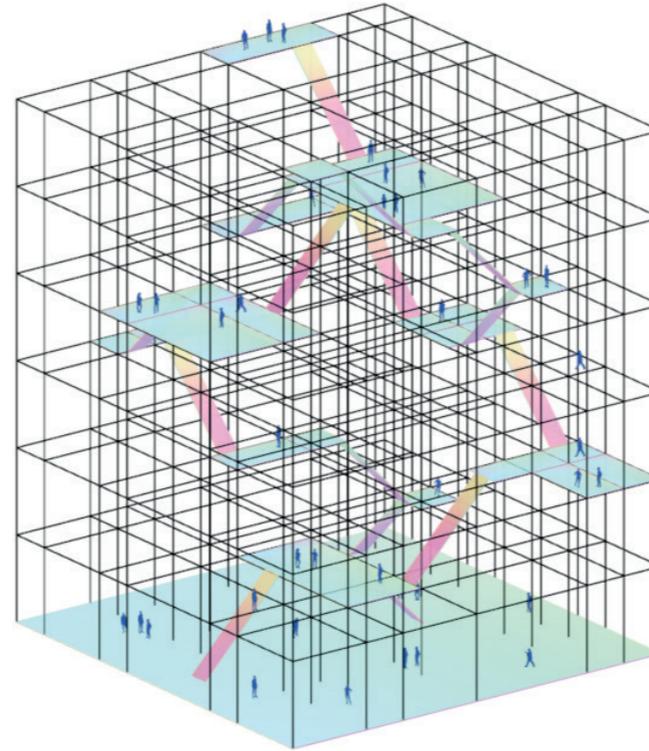
User flows



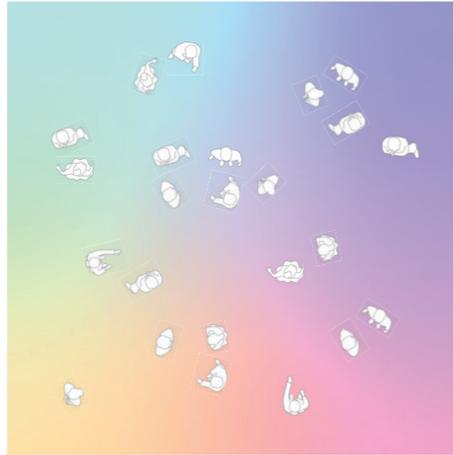
Festival terrain



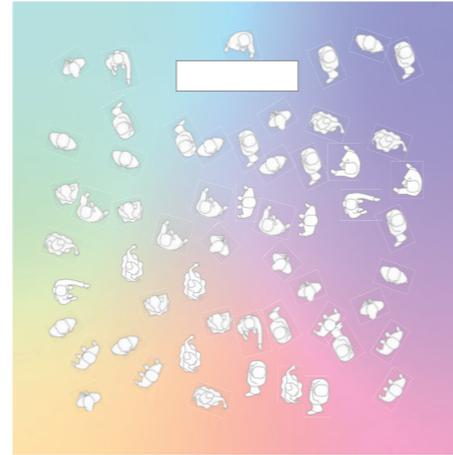
Integration



FOYER



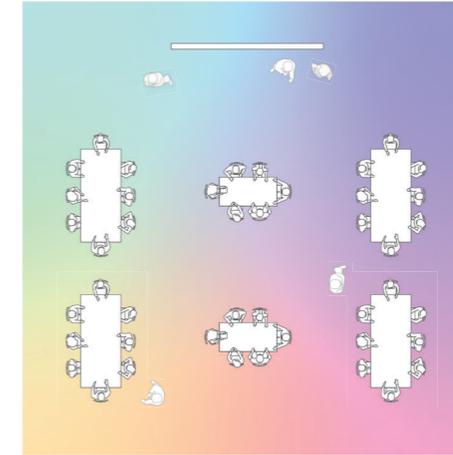
PARTY



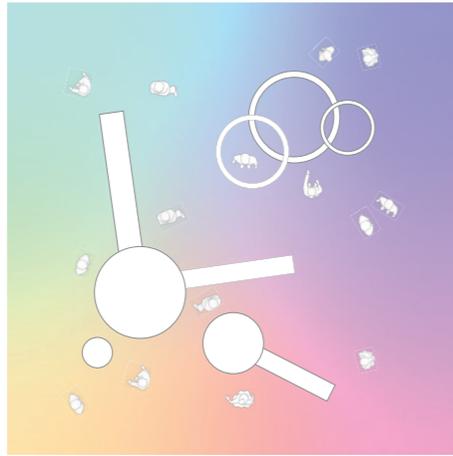
CONFERENCE



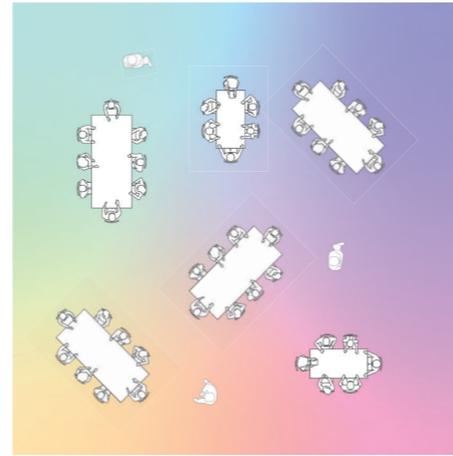
WORKSHOPS



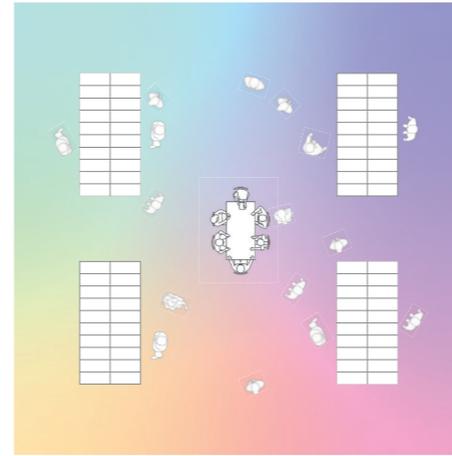
PLAYGROUND



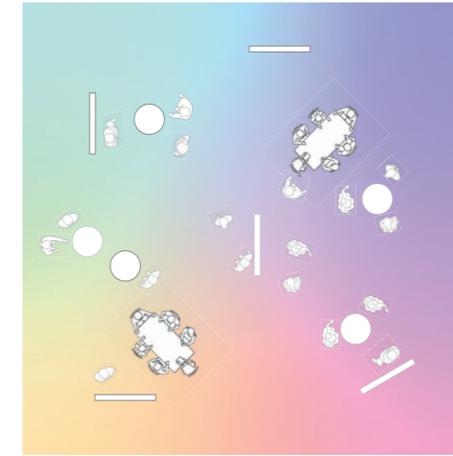
RESTAURANT

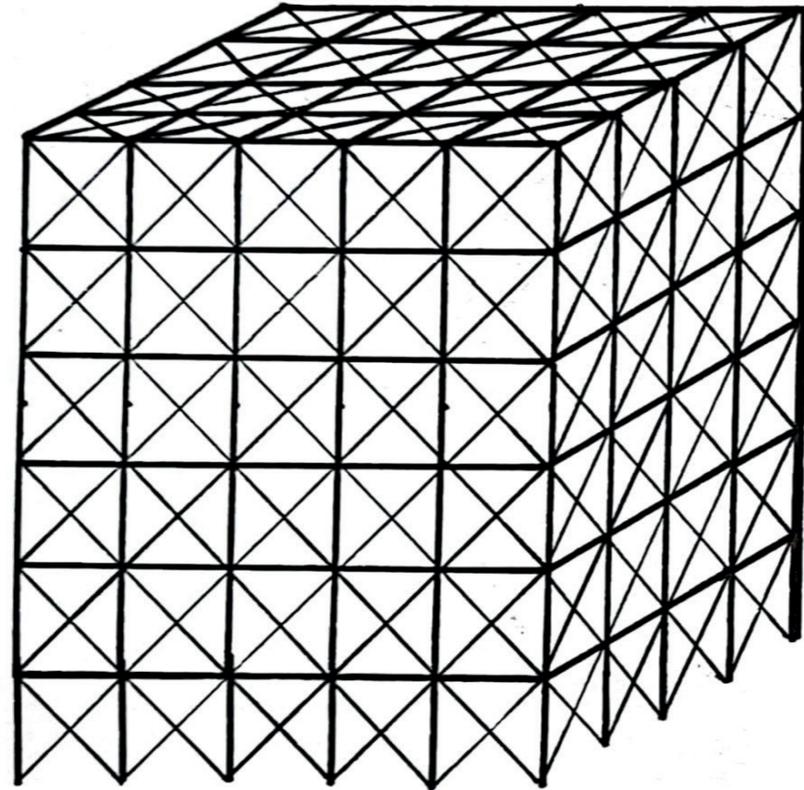


MARKET

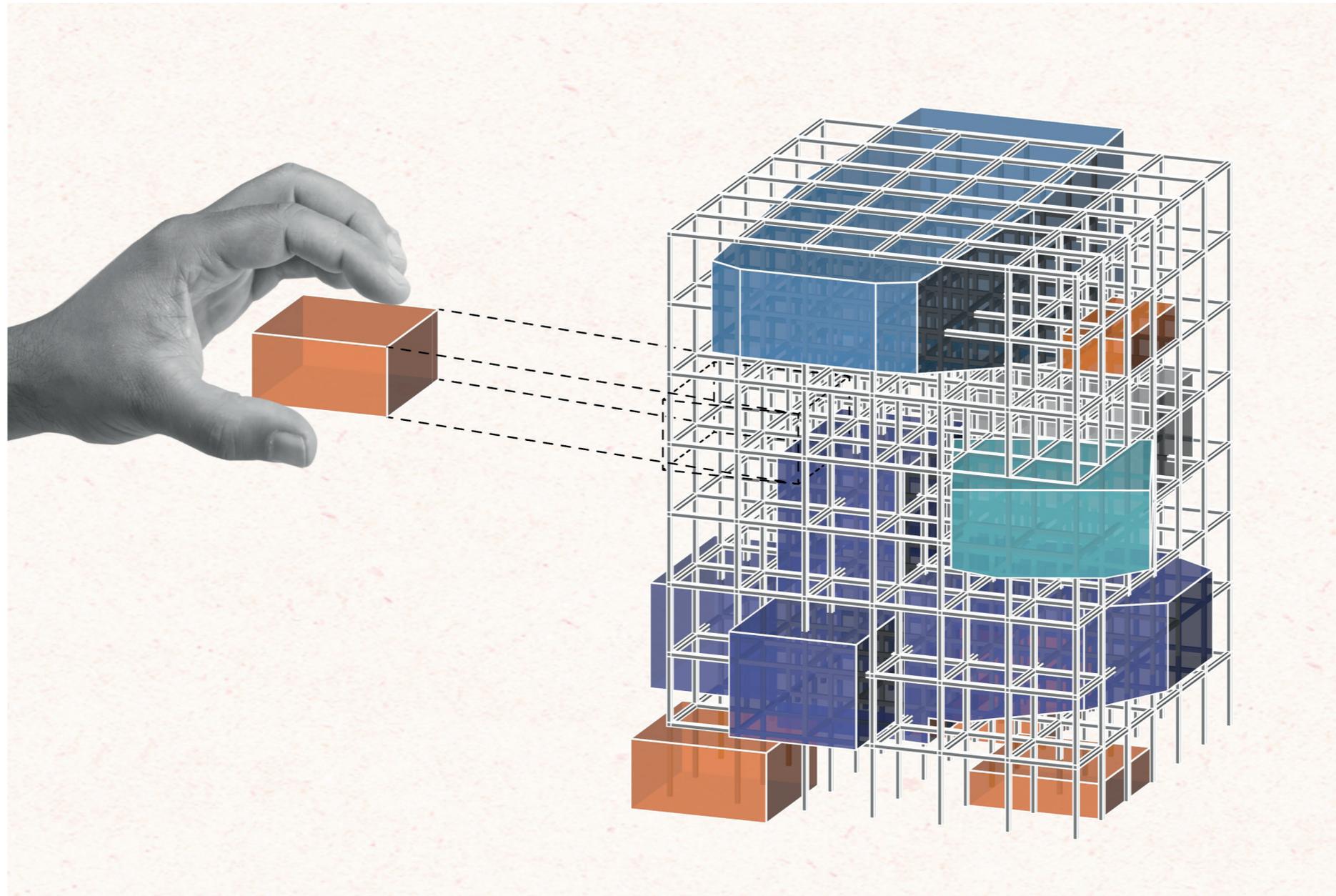


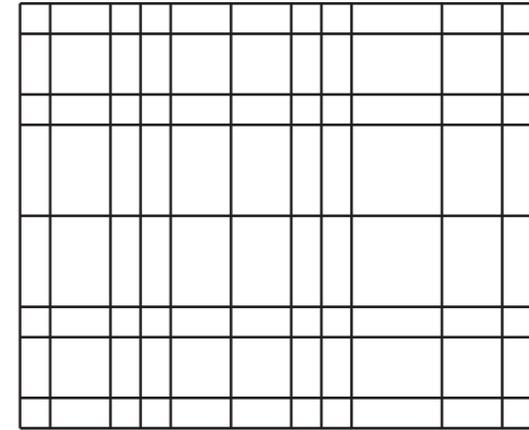
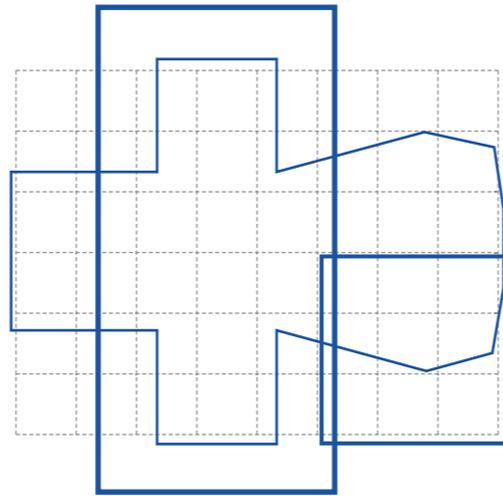
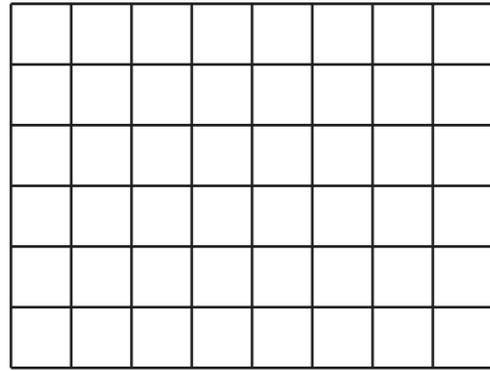
BUSINESS FAIR





THE SUPERSTRUCTURE





BINCKHORST

AMBITION

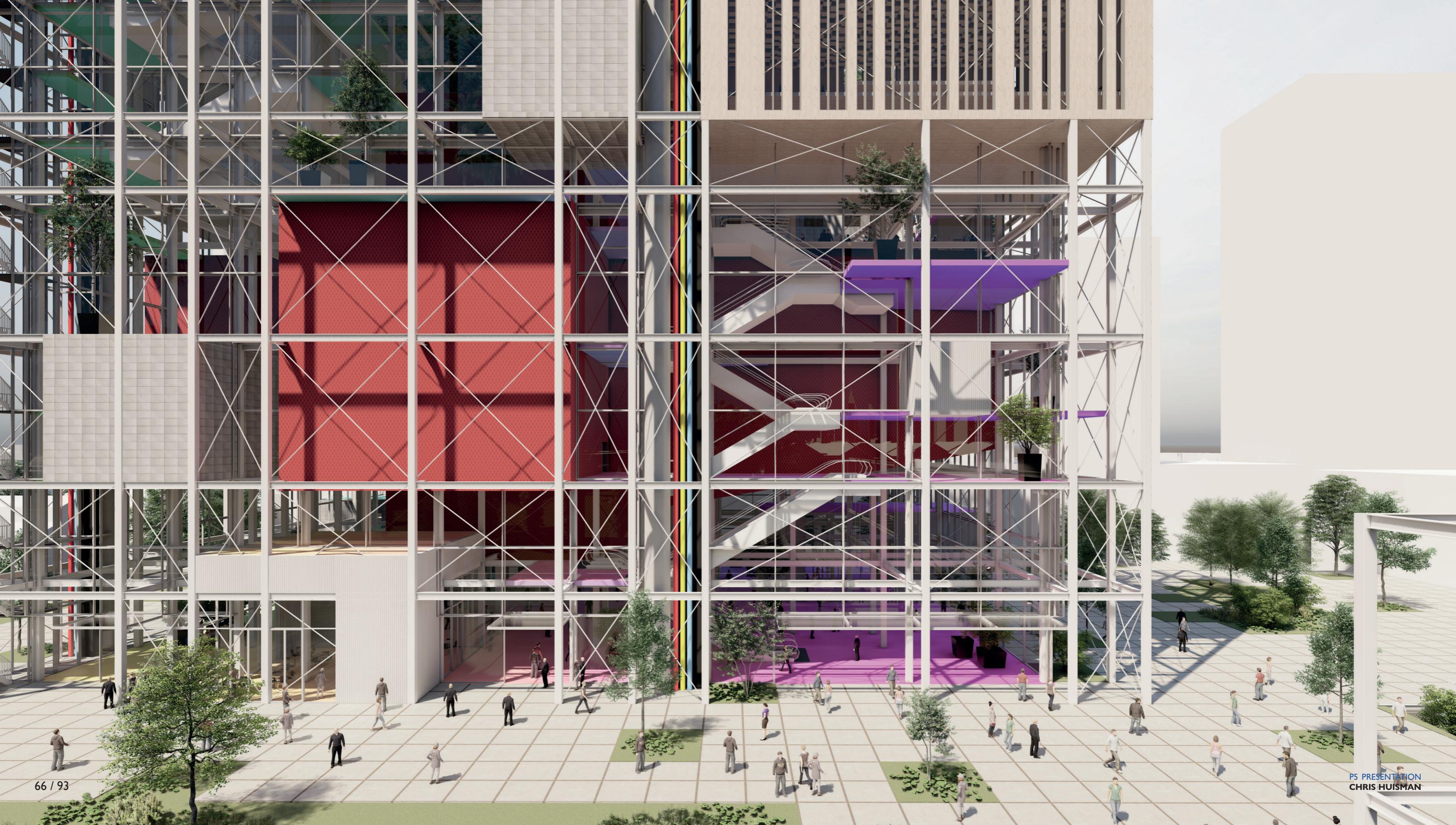
FORM

FESTIVAL

STRUCTURE

CONCEPT

DESIGN





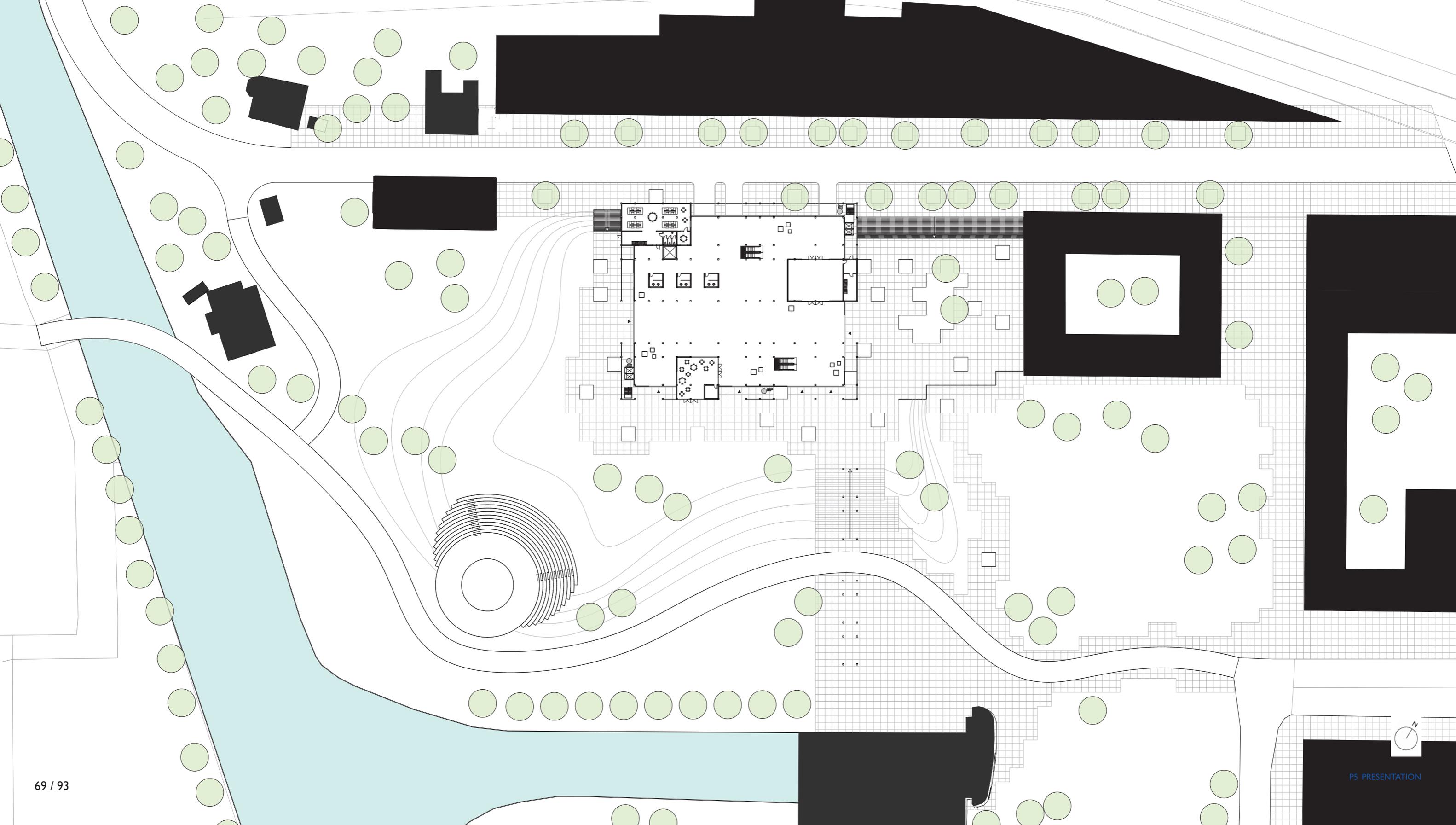
THE MOST ANTICIPATED CONTEMPORARY THEATRE
JOURNEY
FRIDAY NIGHT JULY 17, 2021
The most anticipated
contemporary theatre
performance of the year

STARTS AT
9PM
TICKETS FROM
\$25

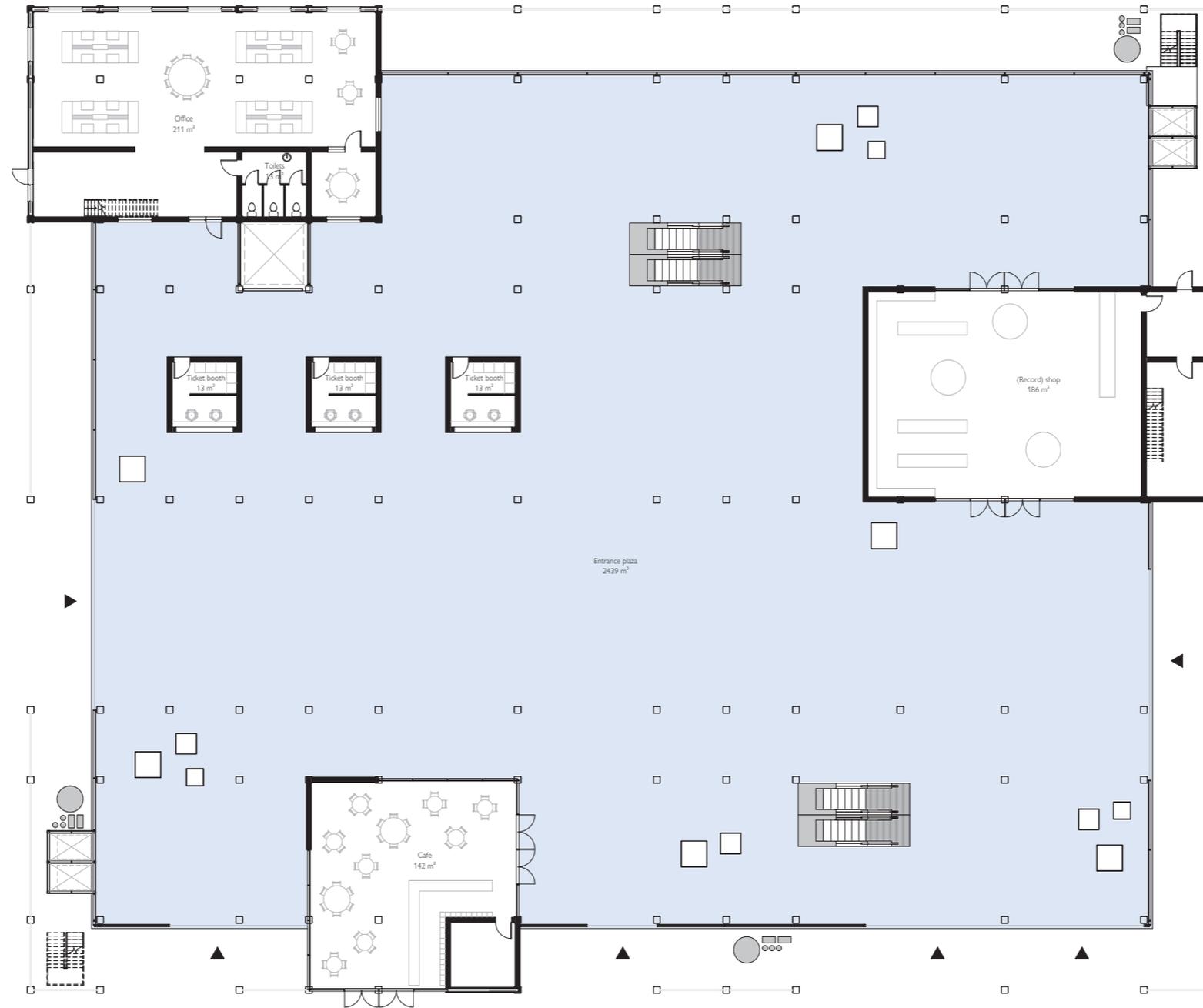
SPONSORED BY
TEGENLAND
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AND
THE UNIVERSITY OF
TEGENLAND

TEGENLAND

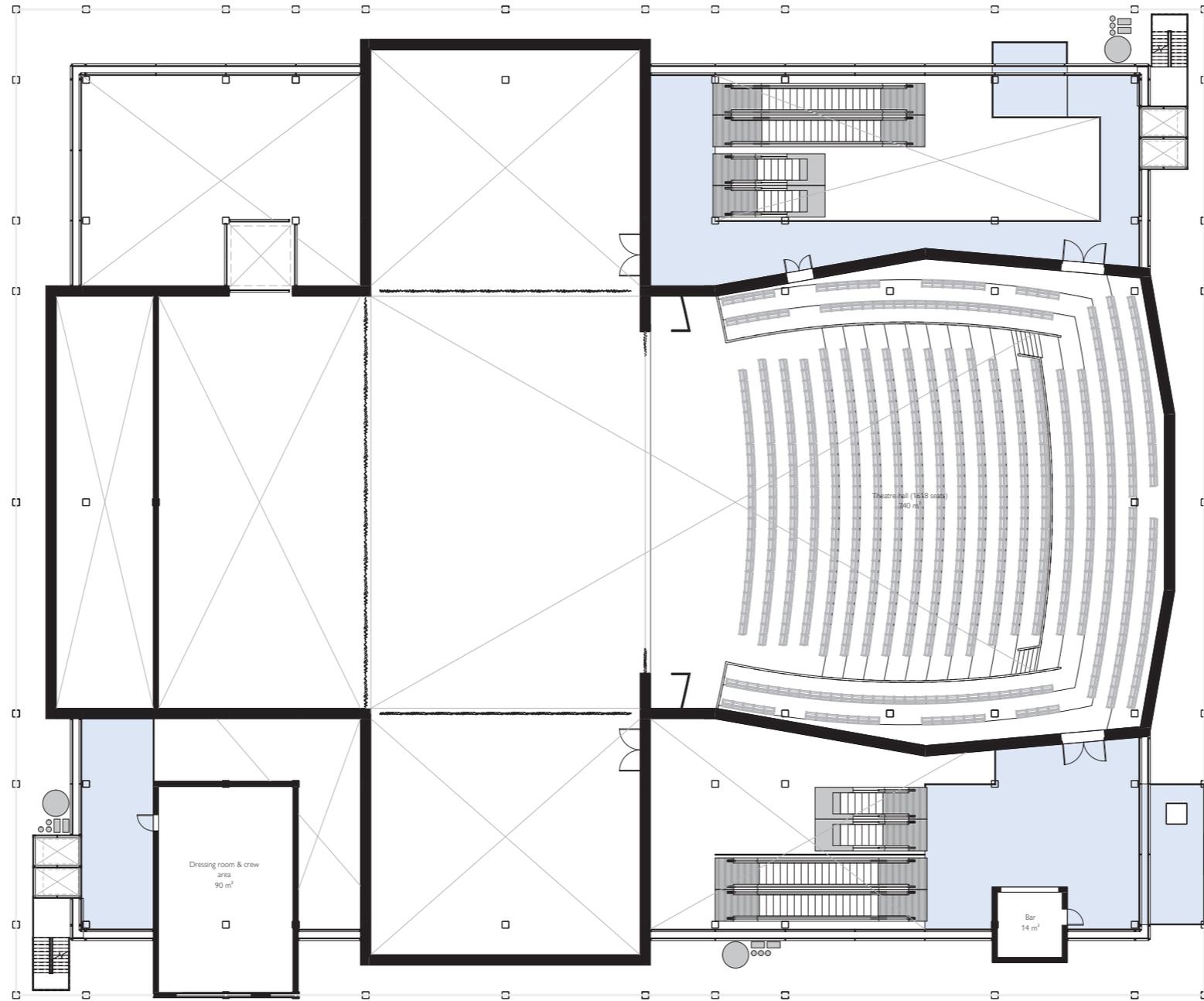




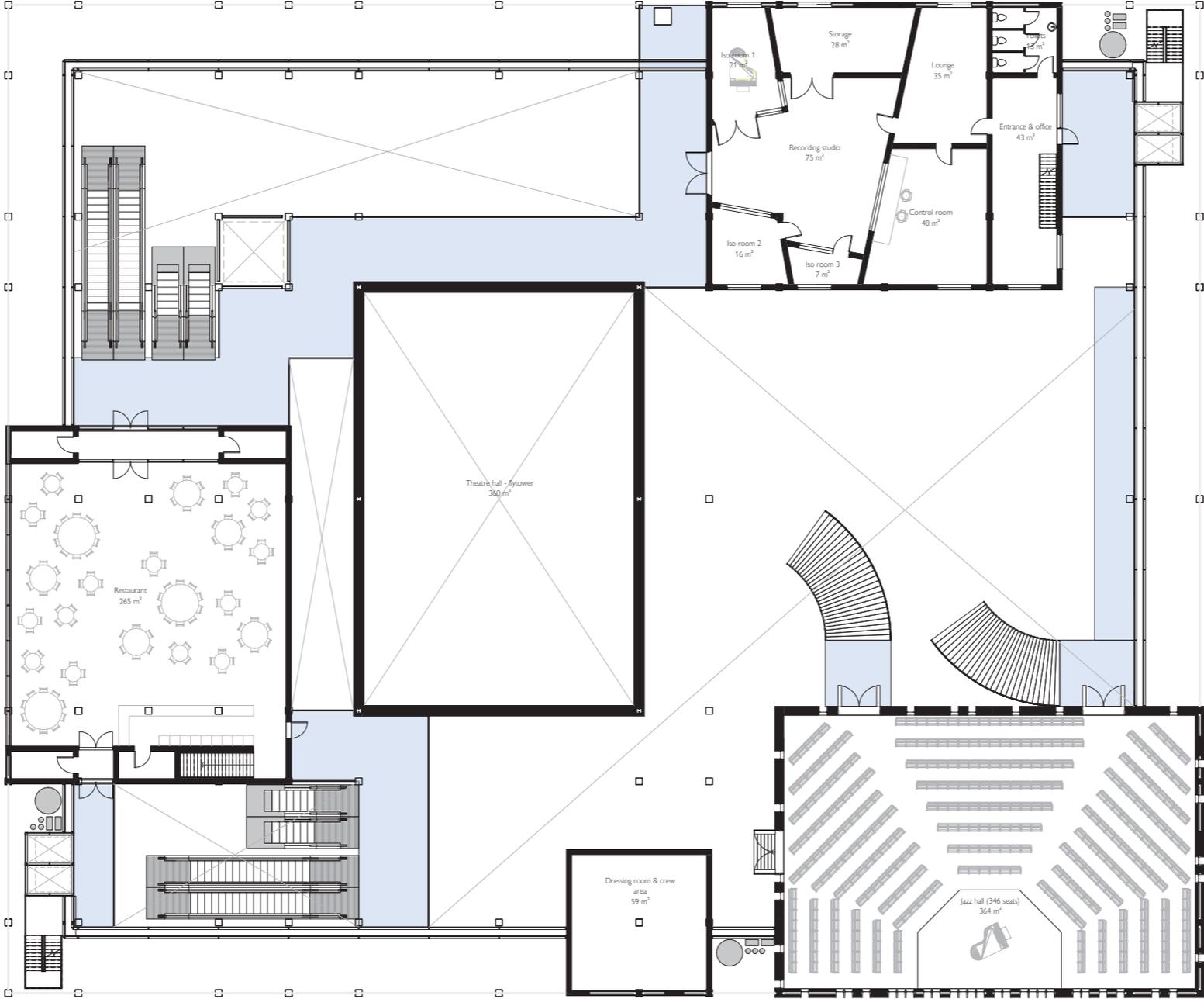
00 - GROUND FLOOR



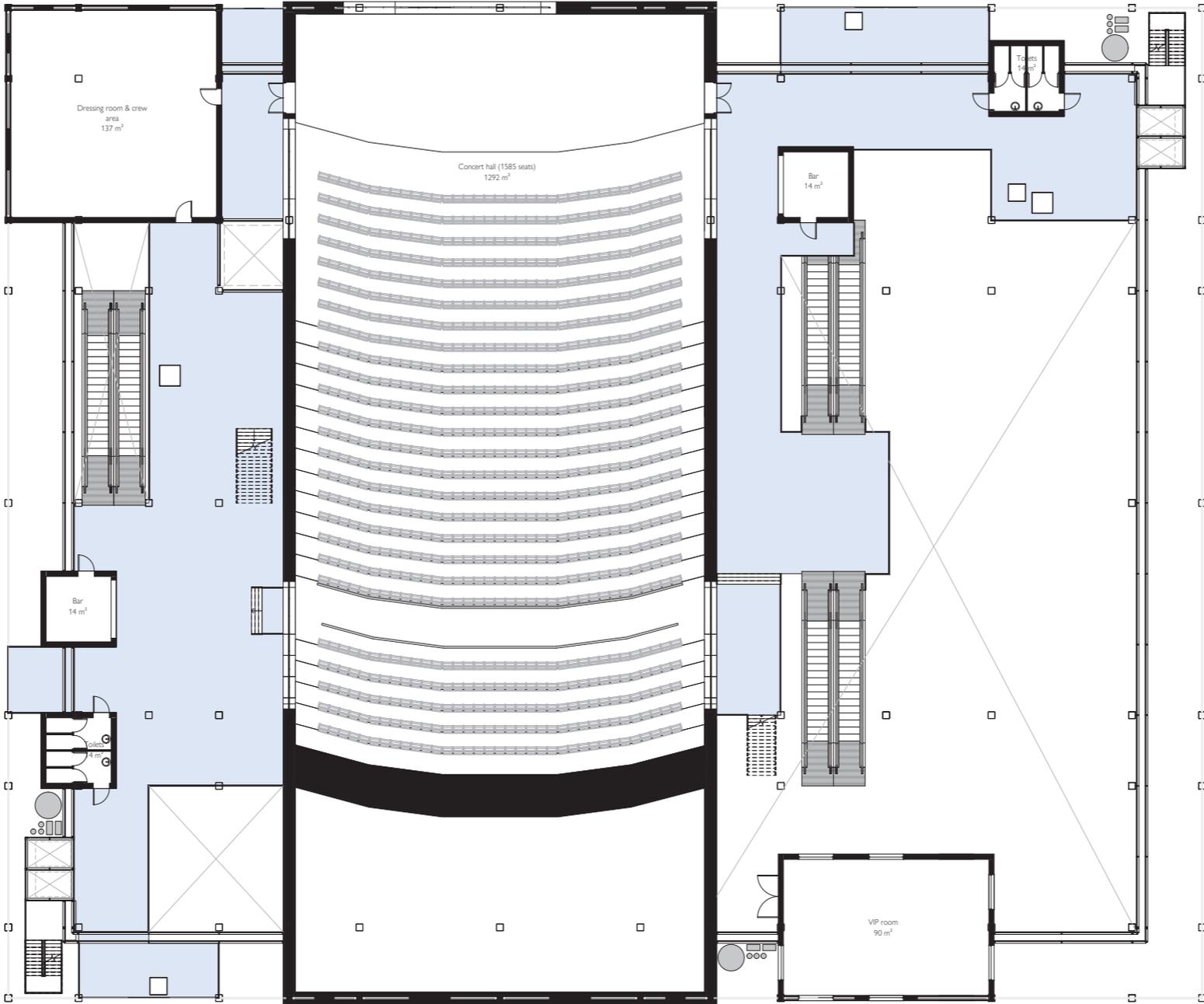
04 - THEATRE HALL

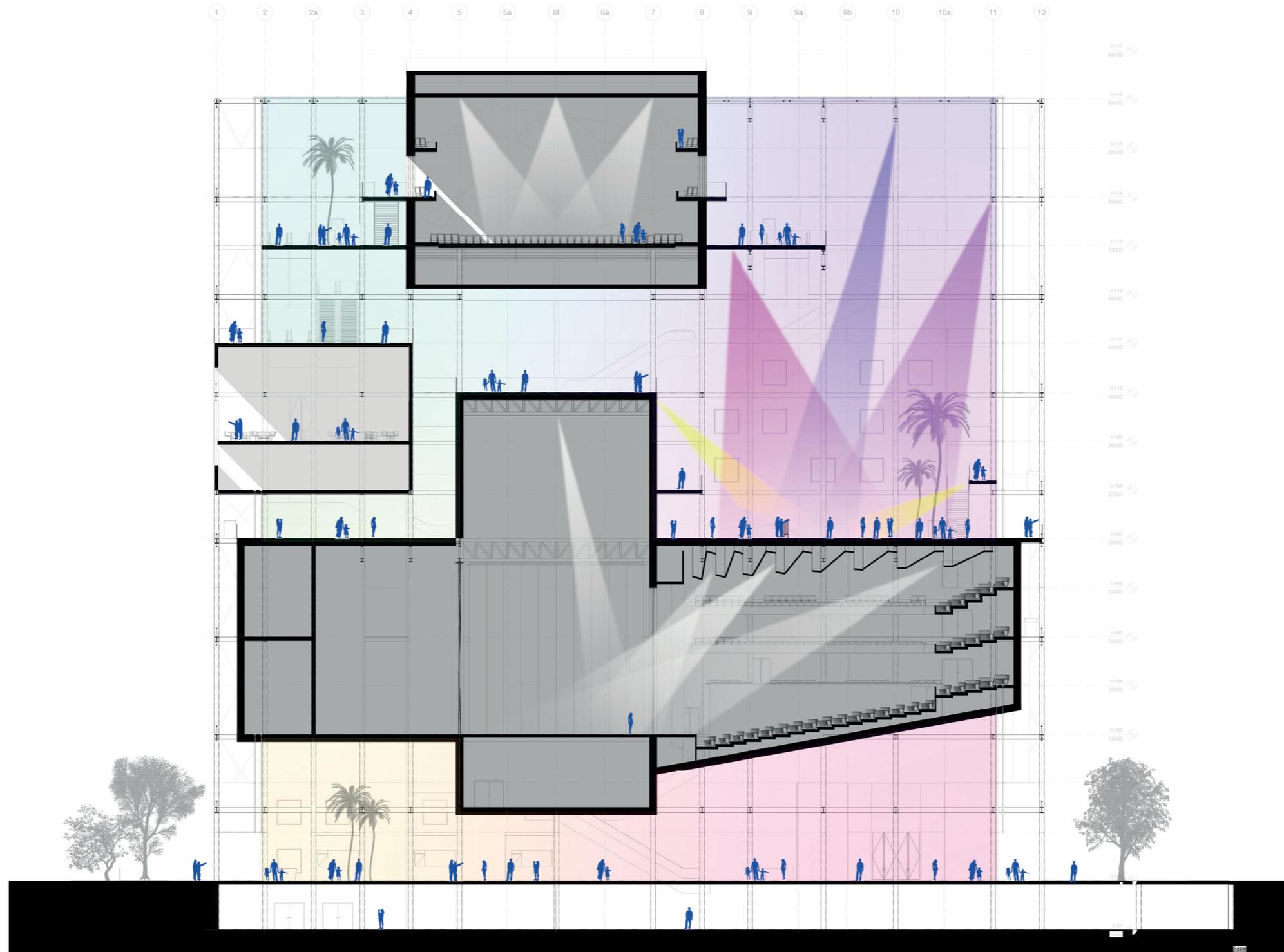


09 - JAZZ HALL

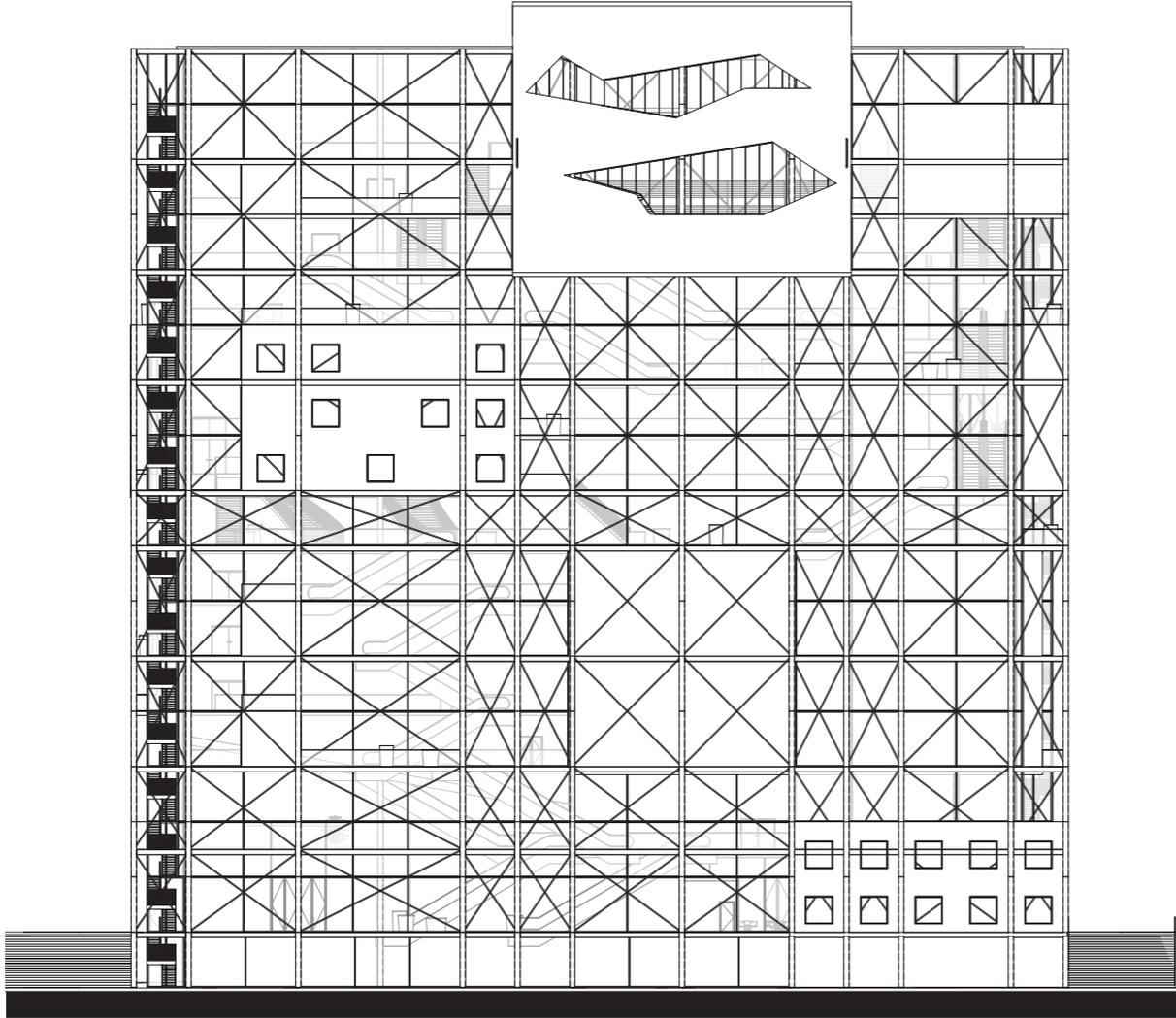


13 - CONCERT HALL

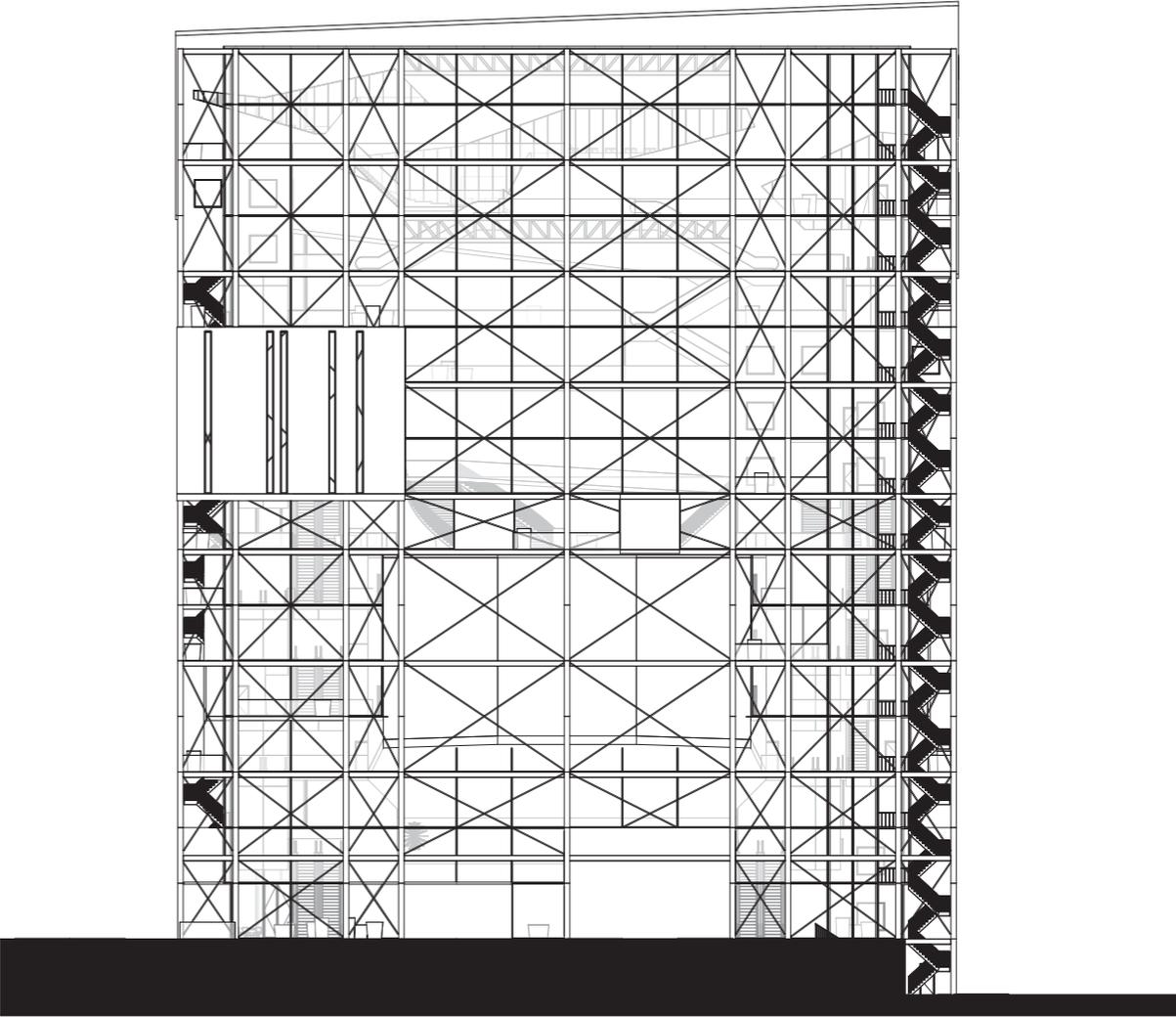




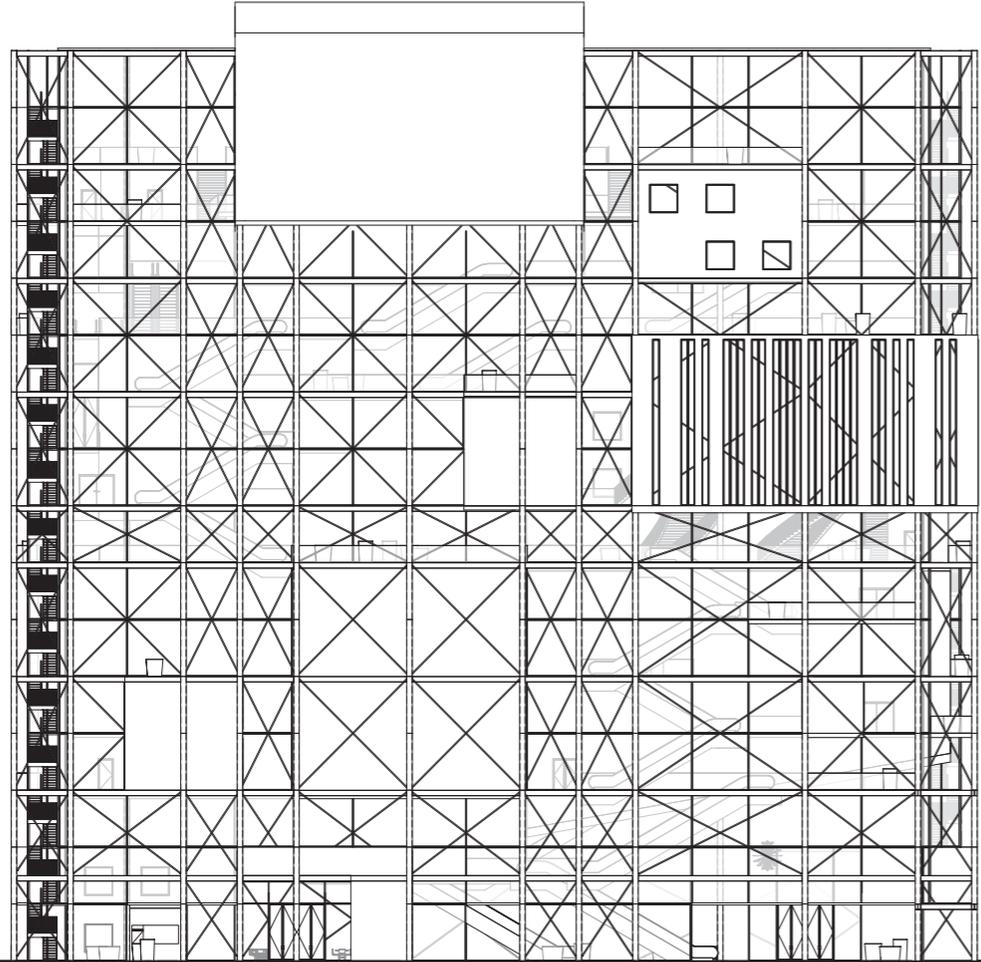
NORTH



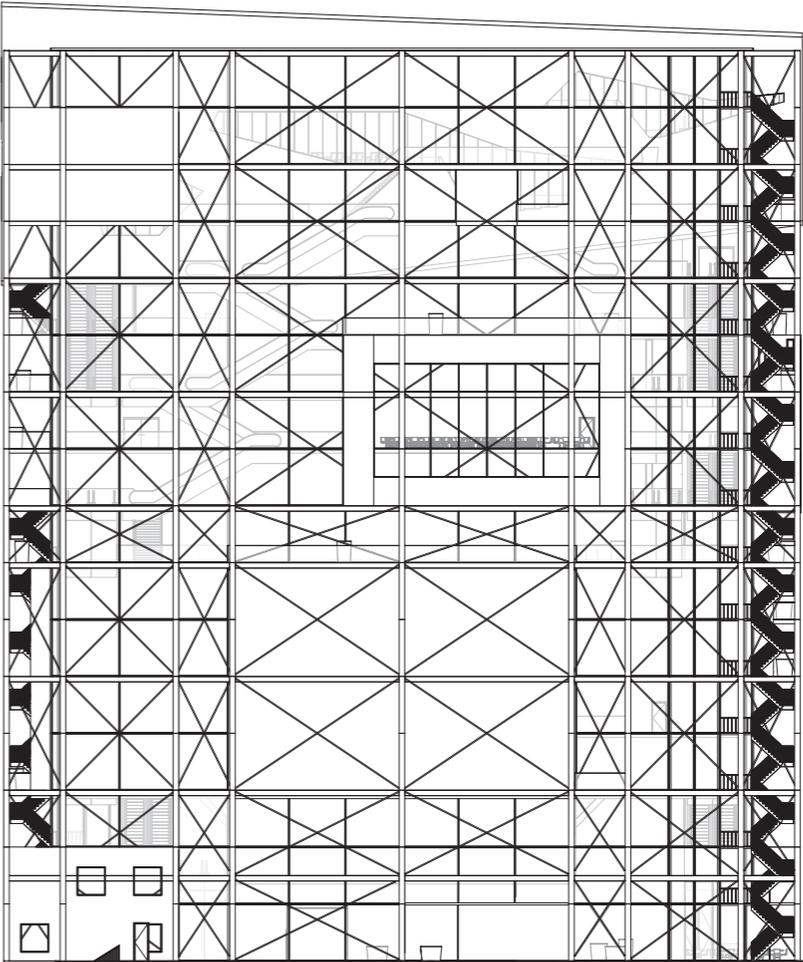
EAST

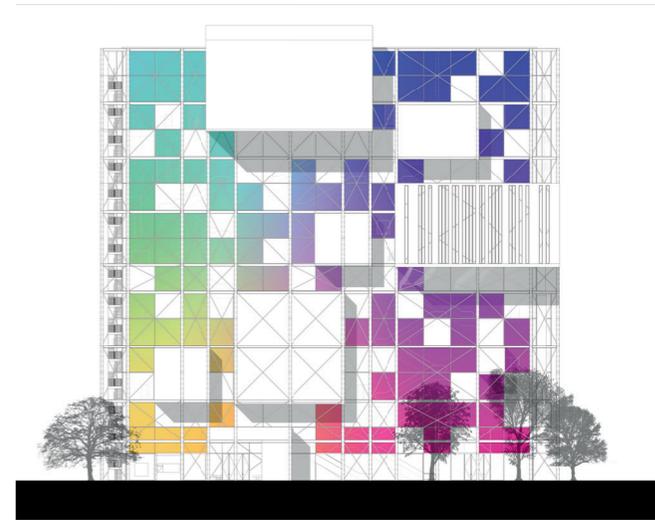
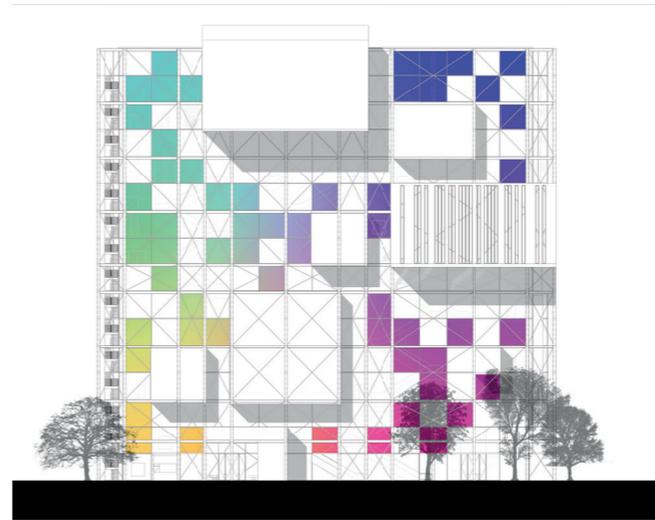
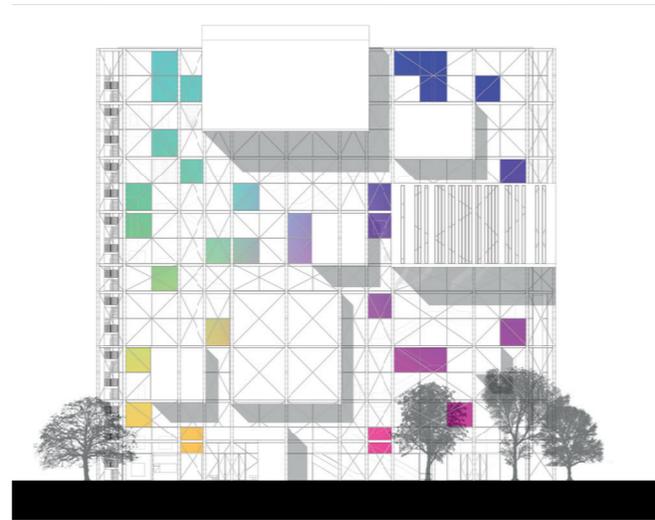
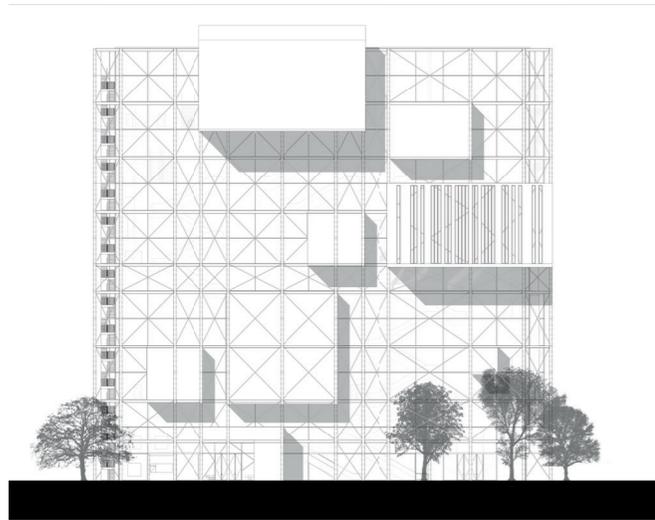


SOUTH



WEST







HR++ glazing with protective coating, blocking a substantial amount of heat radiation.

The construction (and also installations) are completely visible, adding to the notion of a festival and the building as a machine.

Mesh pathways are installed on every level, for cleaning and maintenance purposes.

At the same place, on every level, automatic roller blinds are placed, to block direct sunlight when needed.

Balconies provide shading on the facade.

On every level, hot air can naturally exit the building by the chimney effect of the double facade. These louvres are mechanically controlled.

Double facade starts at the first floor, allowing cool air to enter the cavity while also creating a more transparent entrance at the ground floor.

Interior trees and plants improve the interior climate.

Reclaimed concrete slabs from the waste facility are used as pavement around the building.

Volumes that stick out from the building provide natural shading, reducing the sun load.

Screens in their rolled-out state will block sunlight and create a colourful, pixelated facade, contributing to the festival atmosphere.

Automatic ventilation louvres are placed at the top of a glass facade part, to allow for warm air to exit the cavity of the double facade.

Trees cool down the environment and provide shading (on the ground floor and on the facade).

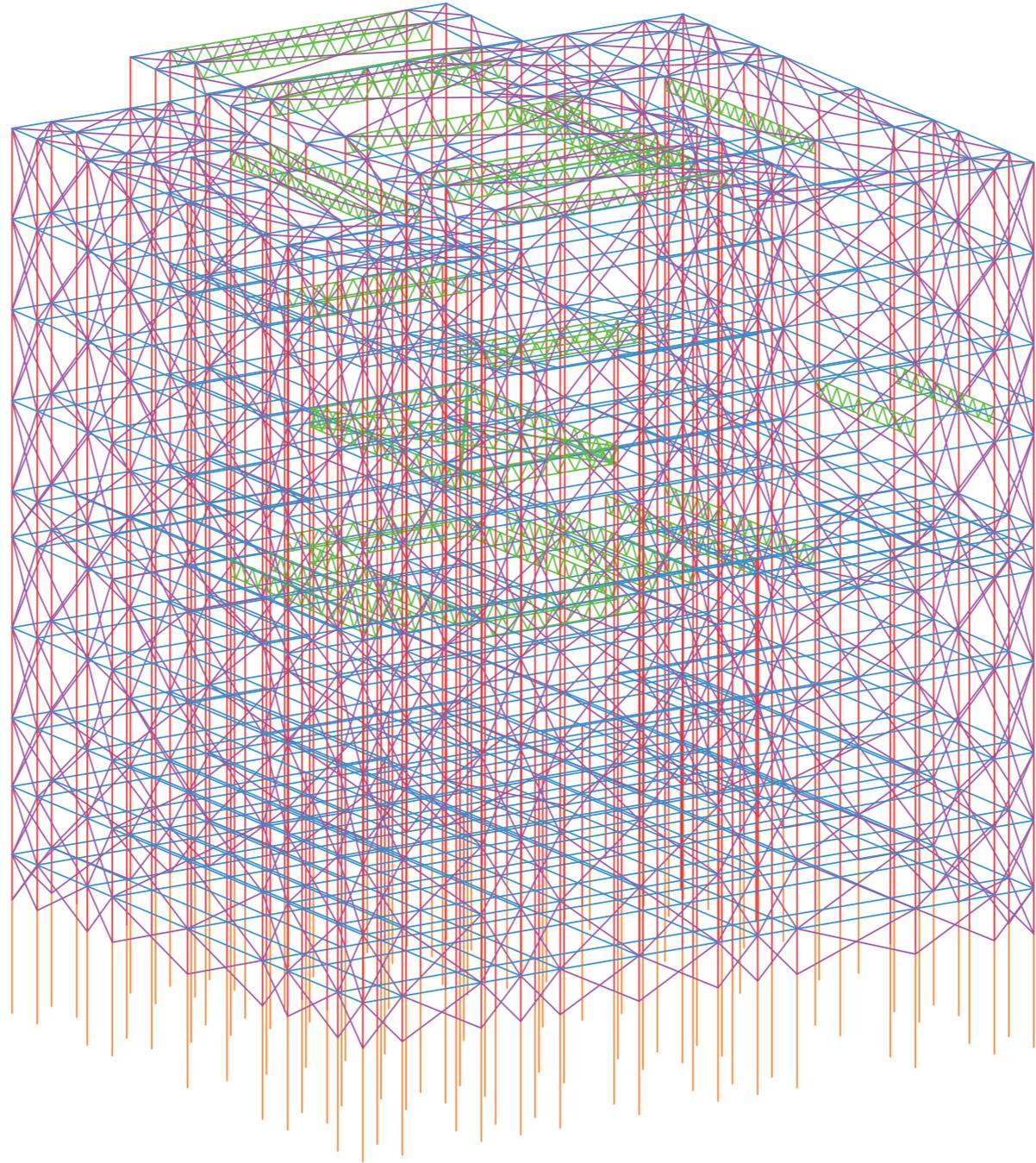
Bracing all around the building has a structural as well as an architectural reason. It is needed to provide stability and the industrial and diamond pattern aesthetic is directly related to the context.

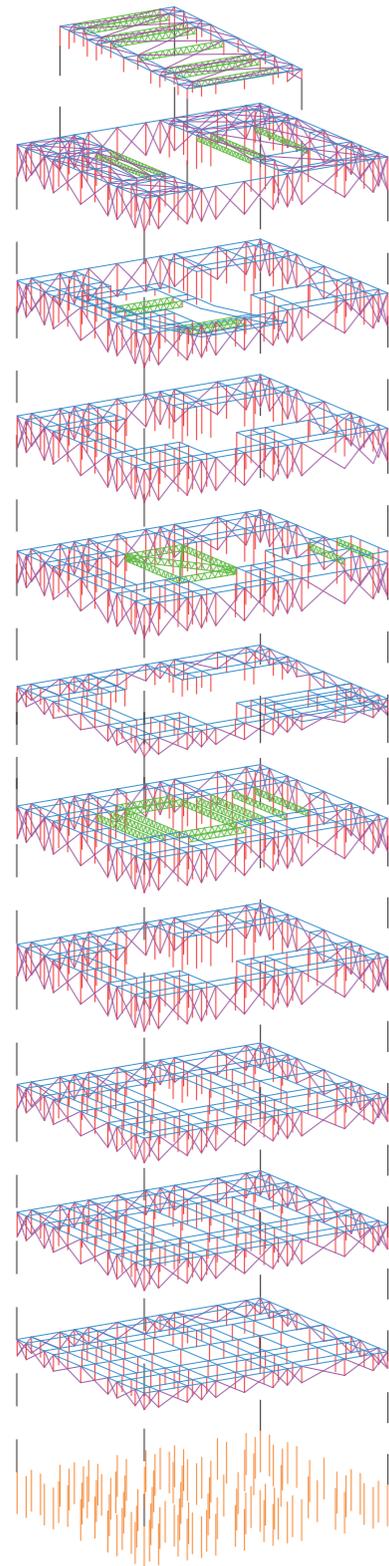
Openings to the cavity (both from inside and outside) are operated mechanically, making the facade fully adaptable to changing weather conditions.

In a fully closed state, air inside the double facade will not move and therefore act as an insulating buffer which gets heated up by the sun, reducing the heat demand in winter.

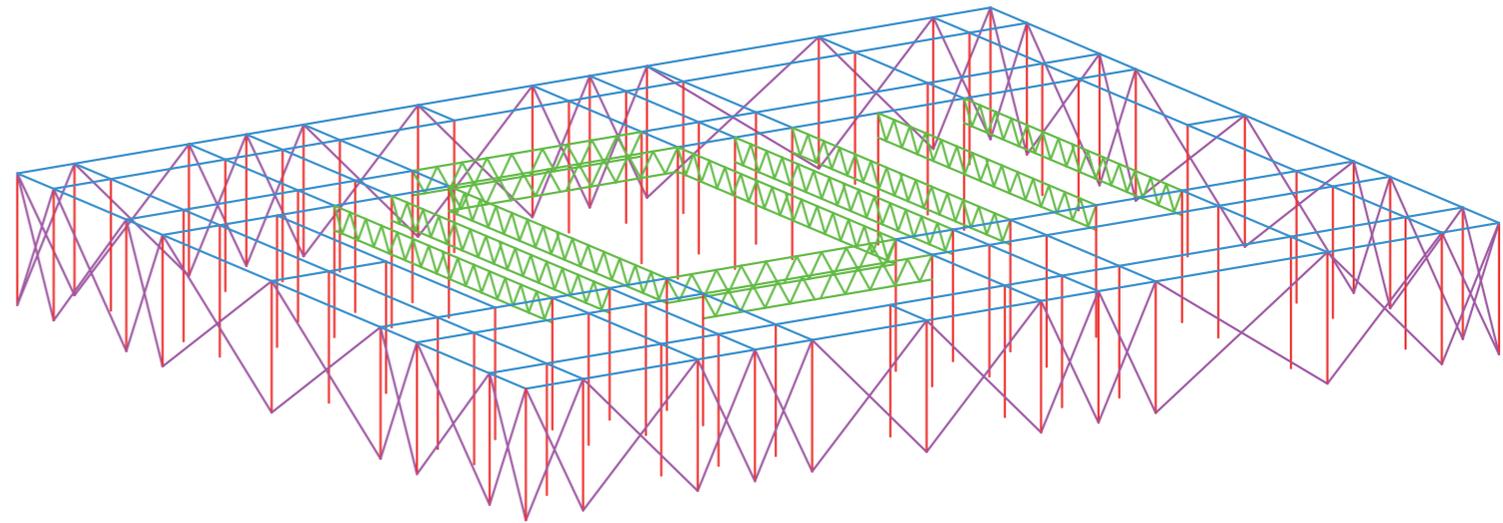
When the ventilation louvres are opened, air will naturally travel up, creating natural ventilation and extracting hot air from the building (chimney effect), reducing the cooling demand in summer.

Plants and grass cool down the environment and make sure cool air enters the double facade.





Roof
 Concert hall + roof
 Concert hall
 Restaurant / workshops
 jazz hall
 jazz hall
 Theatre hall
 Theatre hall
 Theatre pit
 Entrance area
 Basement
 Foundation



SHS-HF 400x400 - 16

Wind bracing CHS 50 - 4 (exact dimensions
to be determined by constructor)

Brace connection plate

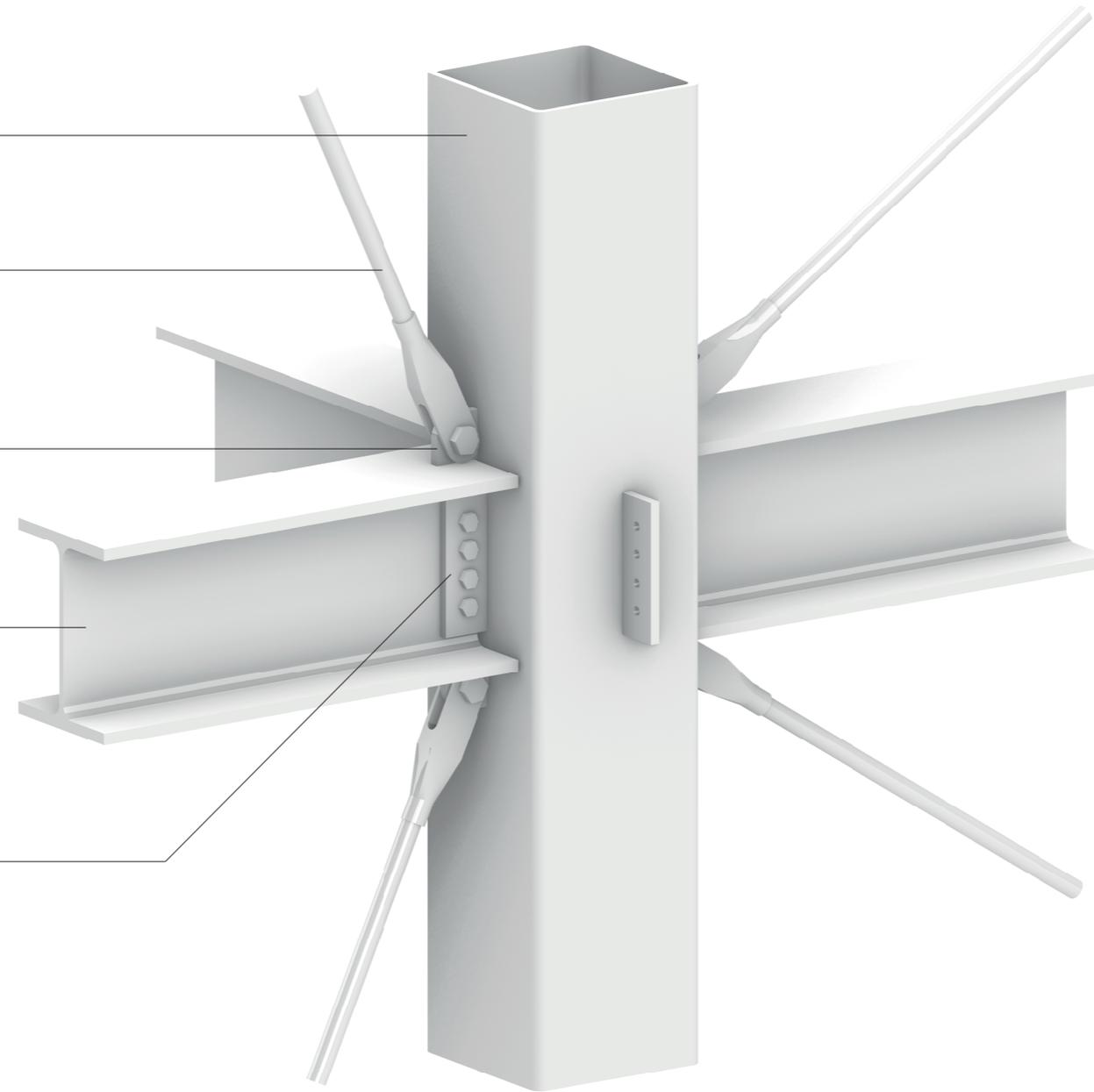
Welded on column

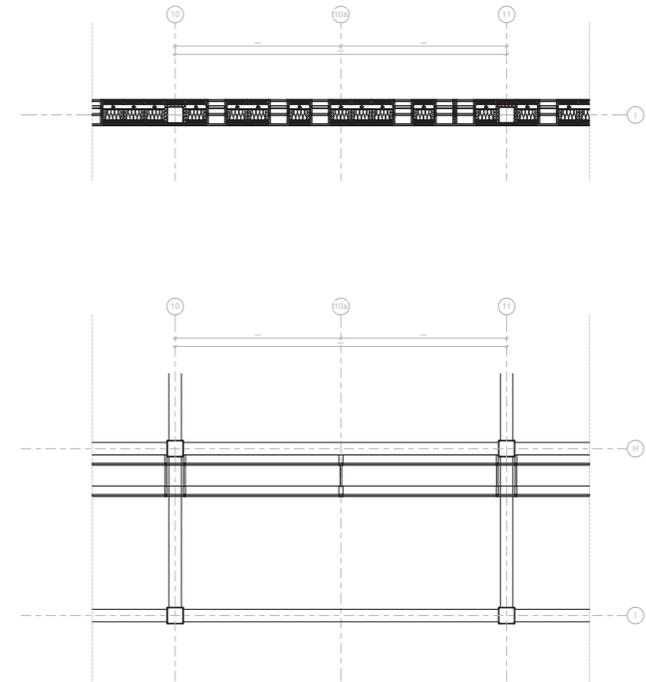
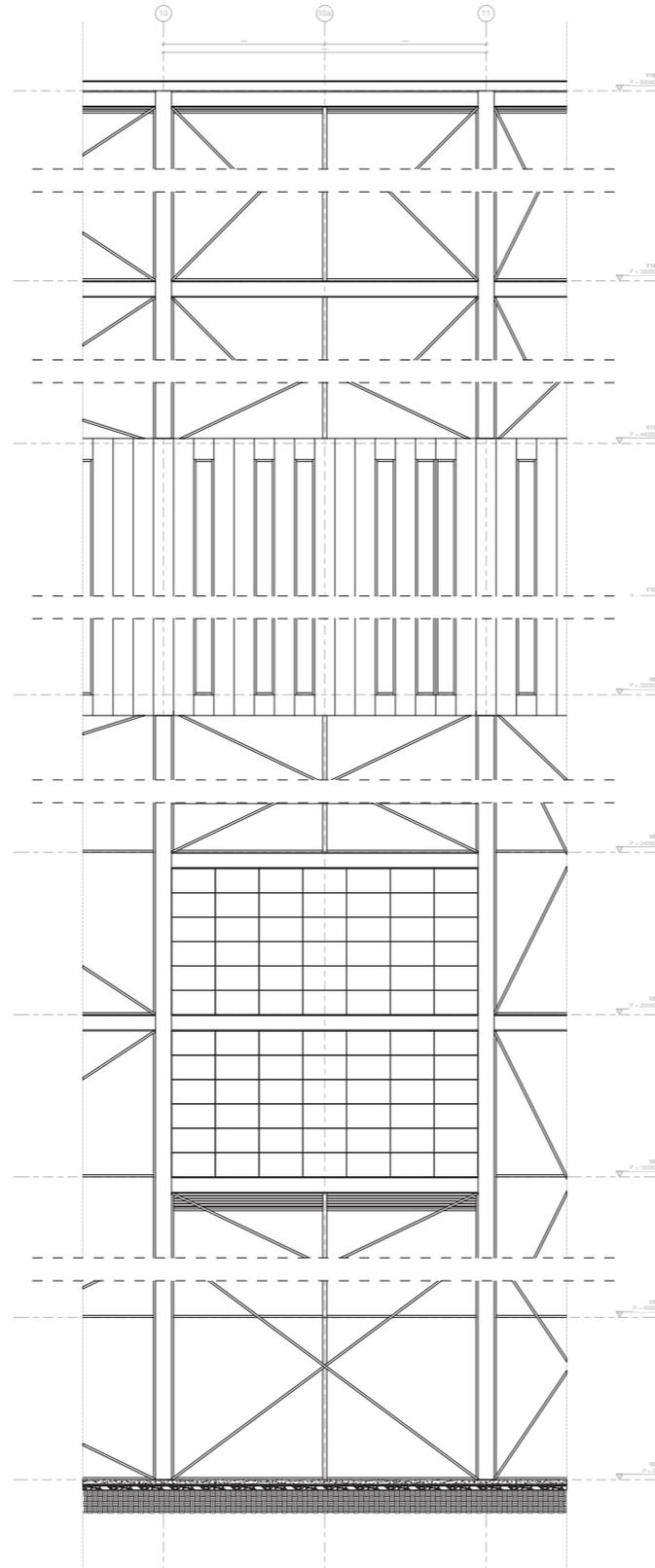
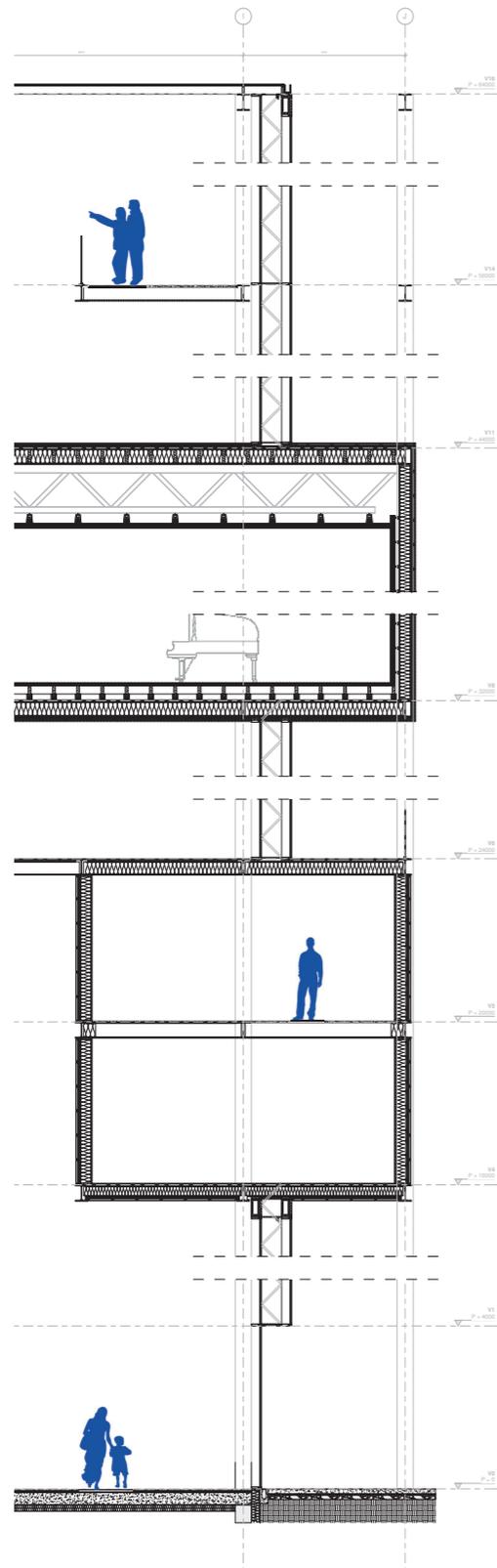
HEB 400

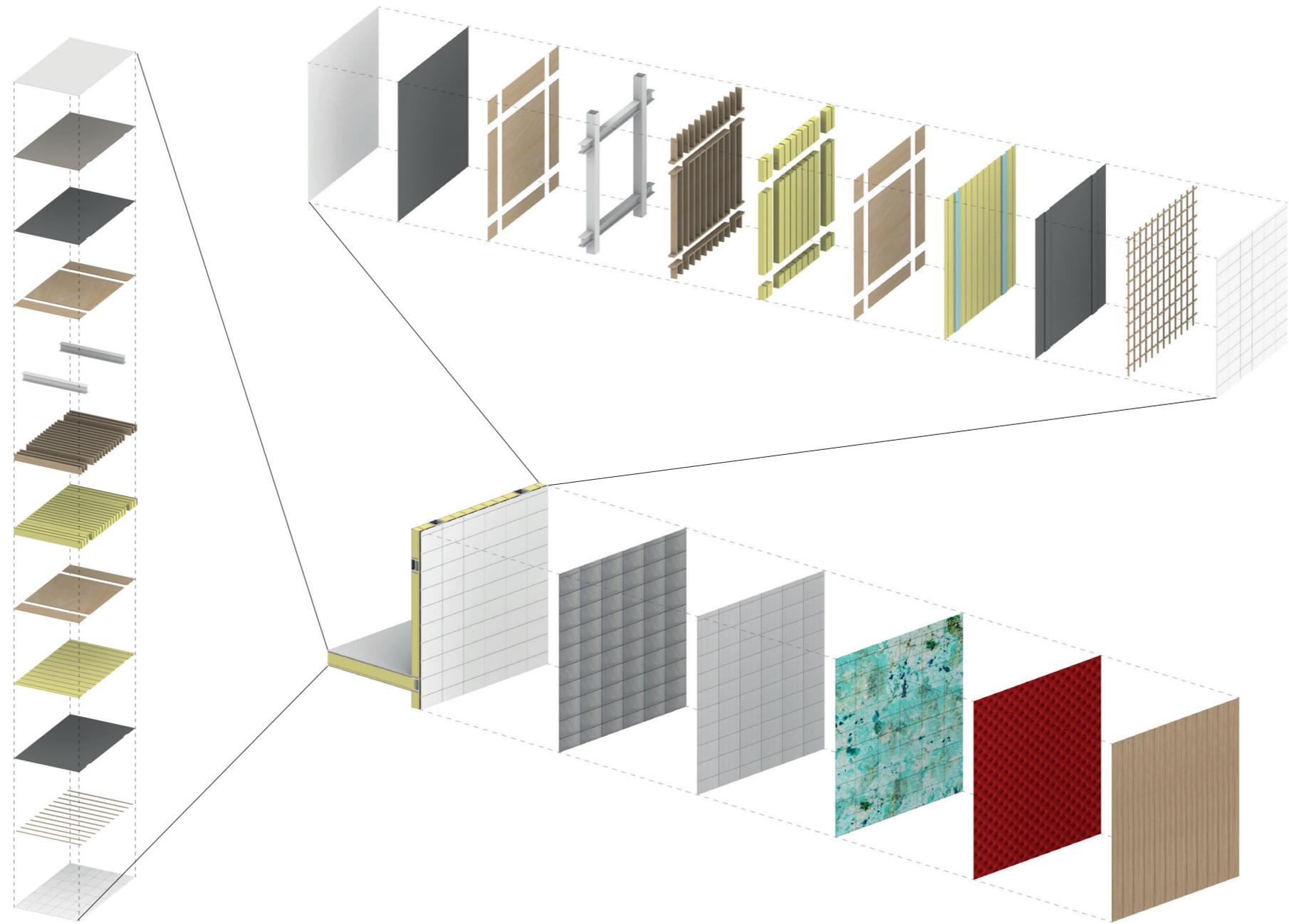
Bolted on fin plate (demountable)

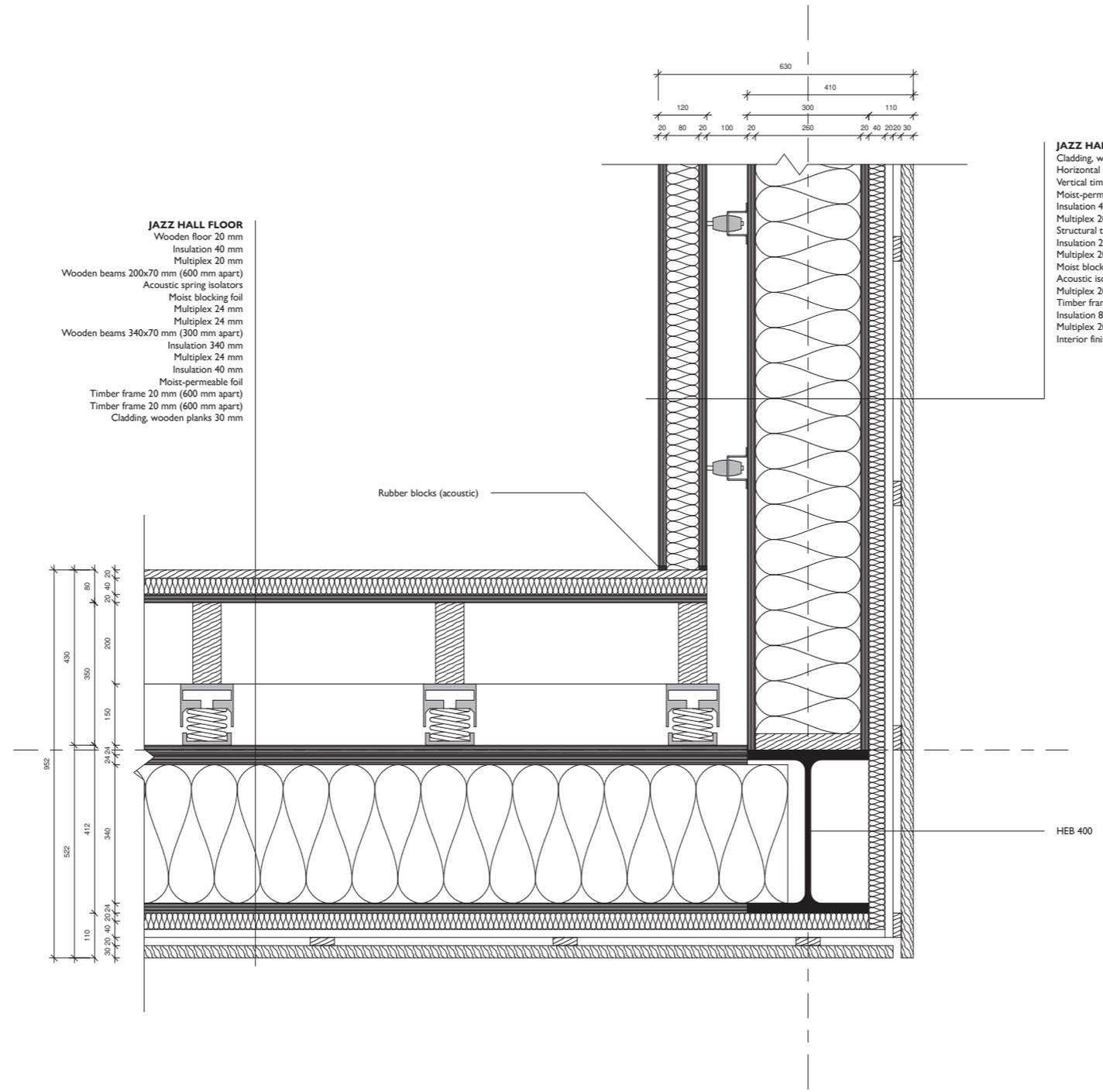
Fin plate 290x100x20 mm (exact dimensions
to be determined by constructor)

Welded on supporting column, every 4000
mm (for flexibility and possible future
changes), on all sides









JAZZ HALL FLOOR
 Wooden floor 20 mm
 Insulation 40 mm
 Multiplex 20 mm
 Wooden beams 200x70 mm (600 mm apart)
 Acoustic spring isolators
 Moist blocking foil
 Multiplex 24 mm
 Multiplex 24 mm
 Wooden beams 340x70 mm (300 mm apart)
 Insulation 340 mm
 Multiplex 24 mm
 Insulation 40 mm
 Moist-permeable foil
 Timber frame 20 mm (600 mm apart)
 Timber frame 20 mm (600 mm apart)
 Cladding, wooden planks 30 mm

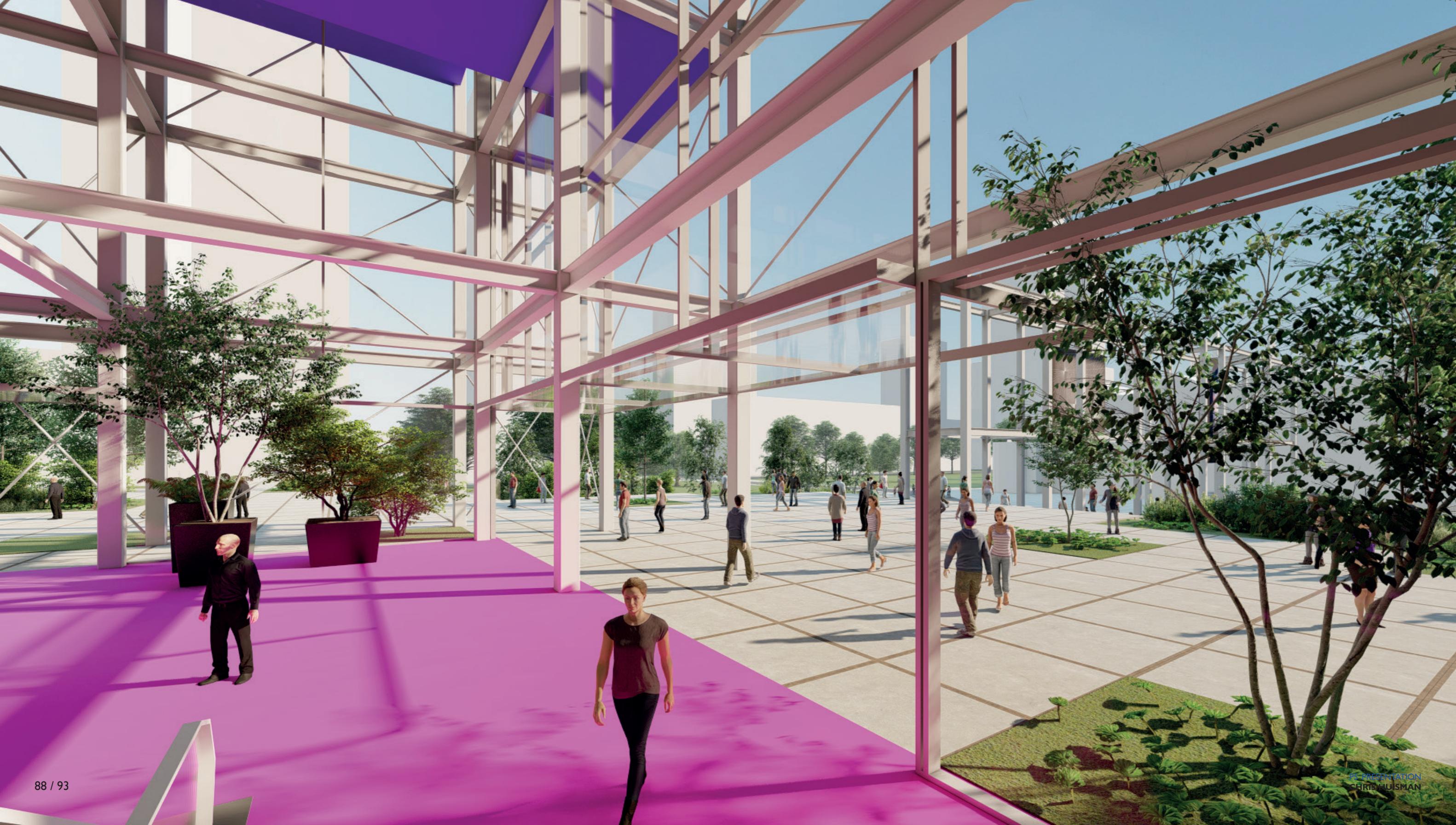
JAZZ HALL FACADE
 Cladding, wooden planks 30 mm
 Horizontal timber frame 20 mm (600 mm apart)
 Vertical timber frame 20 mm (600 mm apart)
 Moist-permeable foil
 Insulation 40 mm
 Multiplex 20 mm
 Structural timber frame 260x70 mm (600 mm apart)
 Insulation 260 mm
 Multiplex 20 mm
 Moist blocking foil
 Acoustic isolators
 Multiplex 20 mm
 Timber frame 80x40 mm (600 mm apart)
 Insulation 80 mm
 Multiplex 20 mm
 Interior finishing

WORKSHOP

















THANK YOU

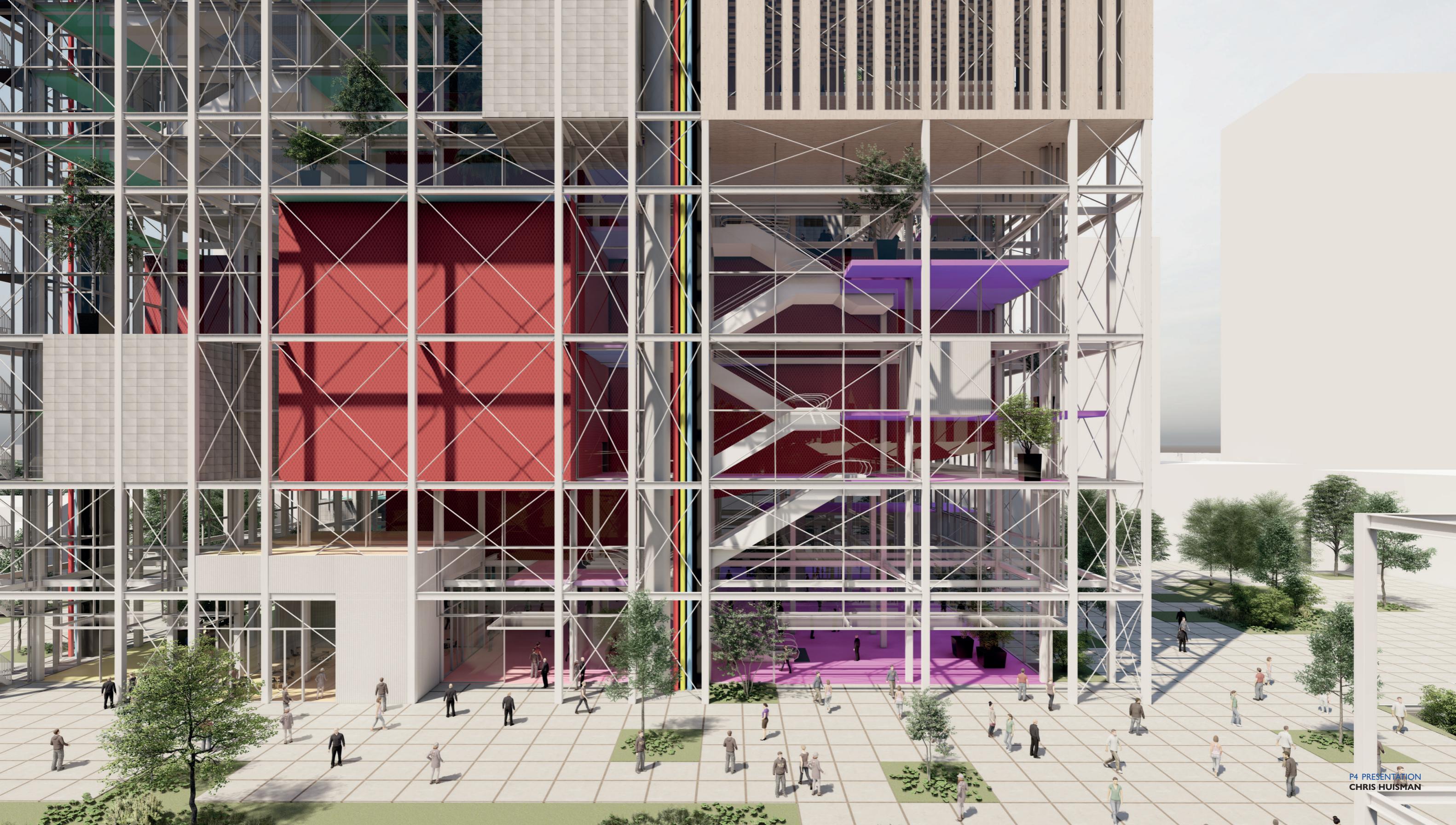


IMAGE SOURCES

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- P. 33 https://nl.wikipedia.org/wiki/Mysteryland#/media/Bestand:Mysteryland_2018.jpg
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All other images and drawings are produced by the author.