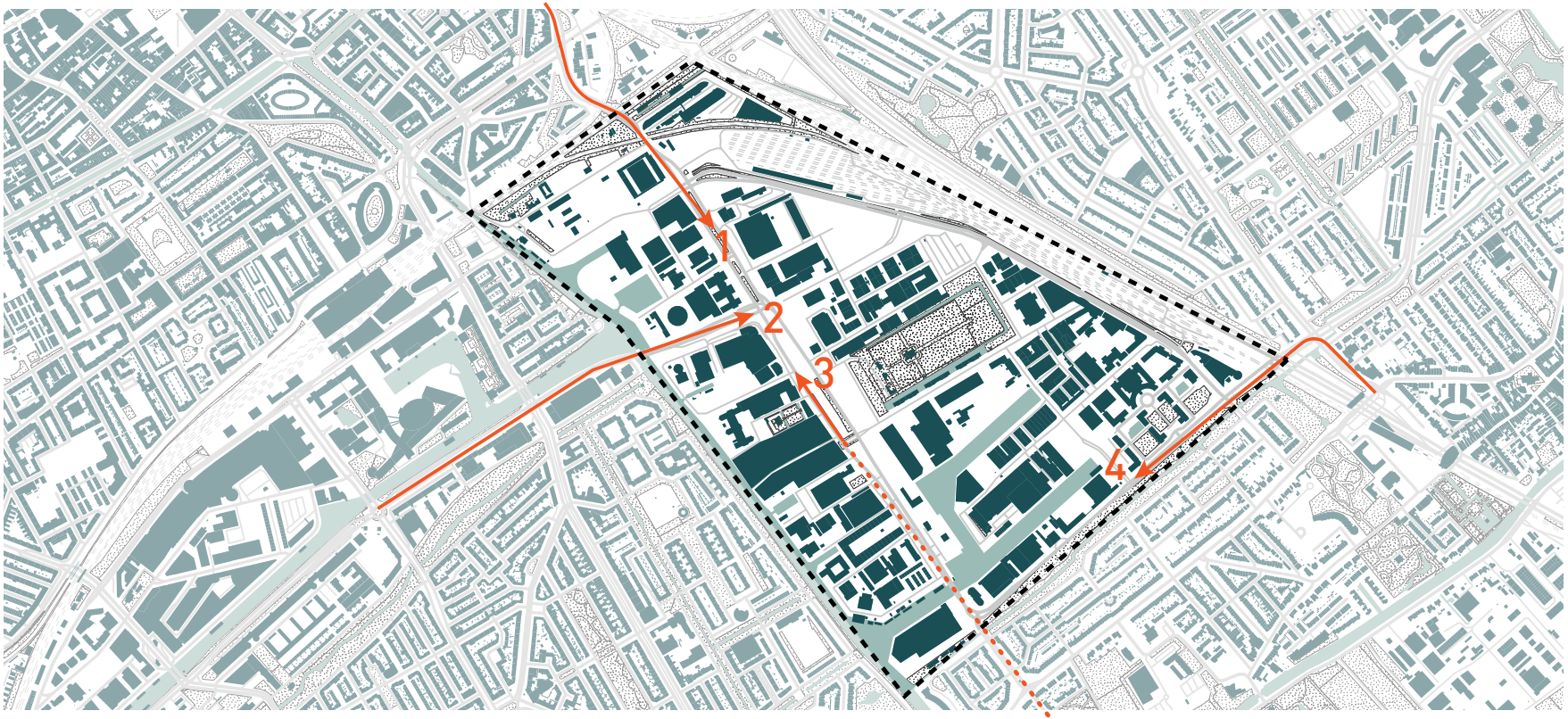
# Welcome
# to the
# **Urban Catharsis**
## Please take a dump

Public Building Graduation Studio P5 Presentation

Alara Külekci / 5305861

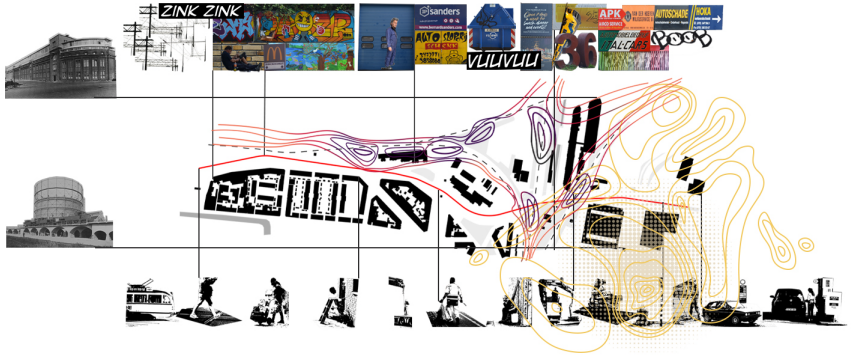
Technische Universiteit Delft Faculty of Architecture

# Transitioning into the Binckhorst

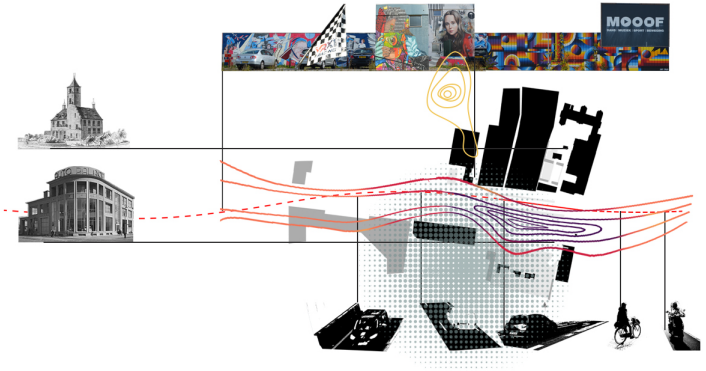


# Entering the Binckhorst

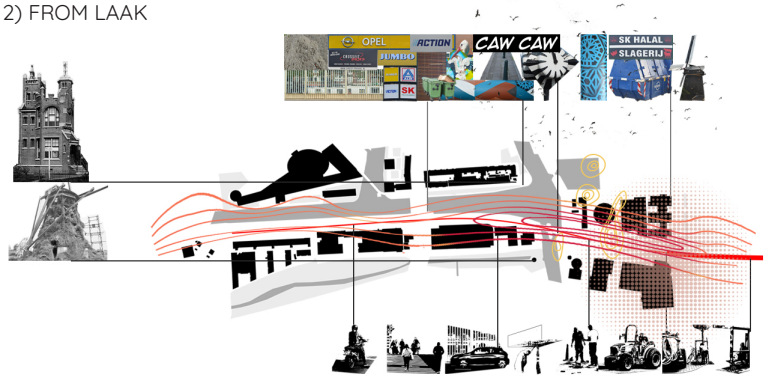
1) FROM CENTRAL STATION



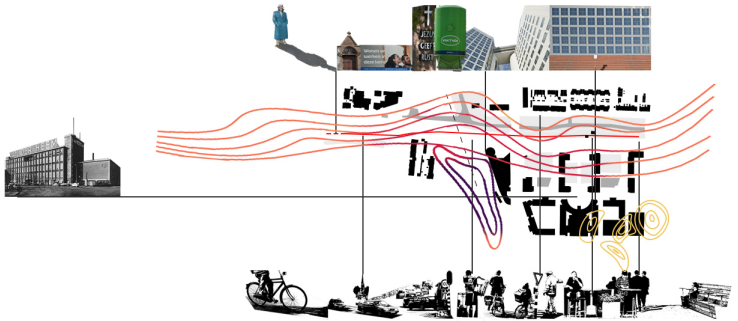

3) FROM THE TUNNEL




2) FROM LAAK




4) FROM VOORBURG



# Site Selection - Gasfabriek

Character








Materials








Users



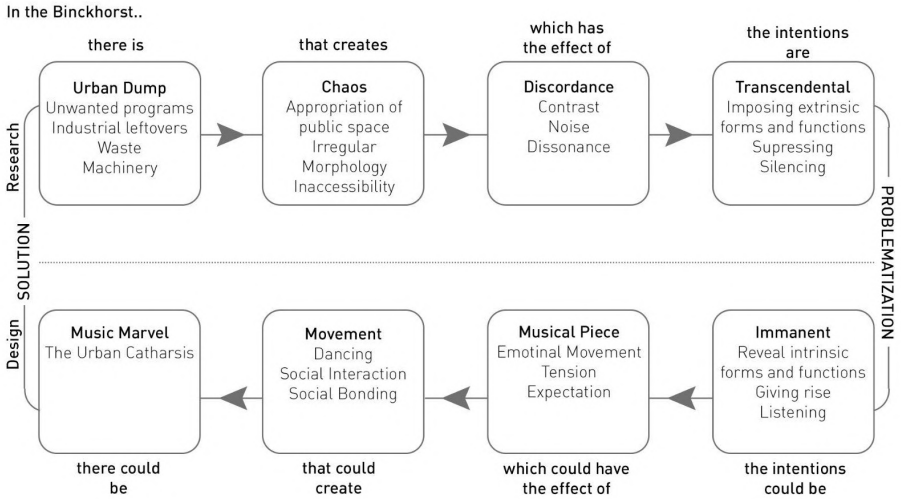




WHY?

- It is the most **'discordant'**
- It is where **everything started** - where it should start changing
- It is an **entryway** to the Binckhorst can function as a catalyzer
- It is very **well connected**-also for transportation of materials
- Only zone with rich **heritage values**, houses characteristic buildings
- Has some **"foundations"** to take advantage of
- Included in the **future park** zone - an attractive place to be
- At the **junction** of everything - all users and functions
- There is local and recycled **material availability**

# Problem Solving




*"For a speculative problem is solved as soon as it is properly stated. By that I mean that its solution exists then, although it may remain hidden and, so to speak, covered up: the only thing left to do is to uncover it. But stating the problem is not simply uncovering, it is inventing." (Bergson, 1934)*

# Historical Situation (1969)

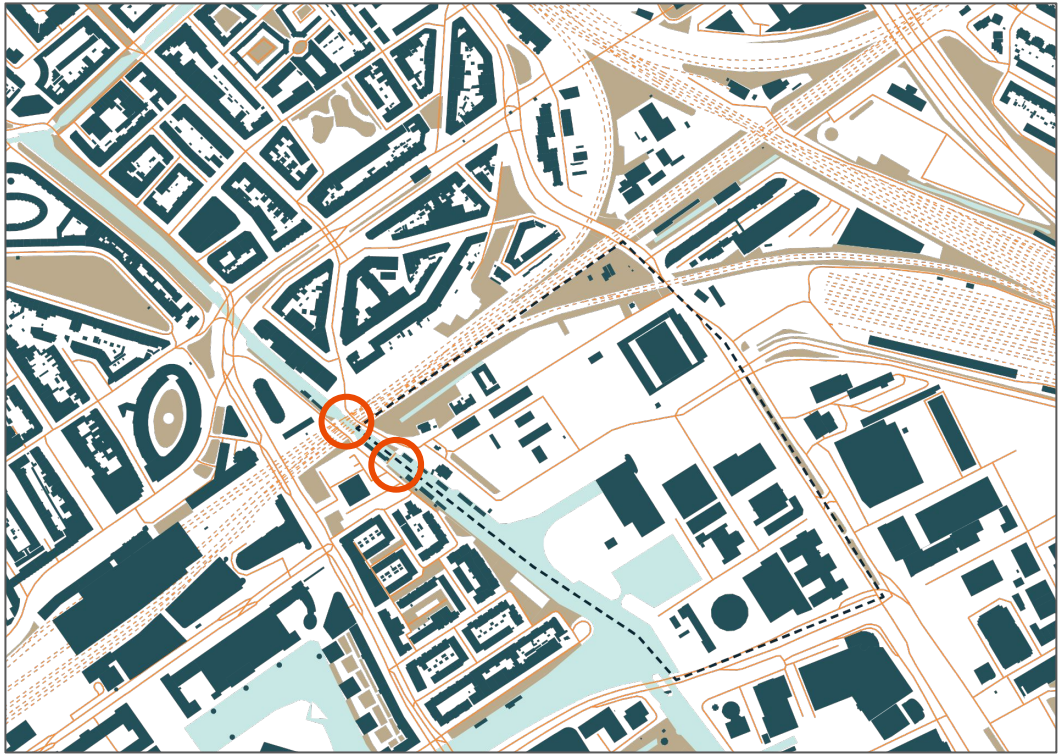


- **1844** L.J.Enthoven gets a permit to build a gas factory on Lijnbaan
- **1875** After the monopoly (30 years) the company will transfer to the Municipality of The Hague on 1 January
- **1875** Opening of the First Municipality of Gas Factory on the Gaslaan.
- **1907** Opening of the Second Municipality of Gasfabriek on the Trekvlietplein
- **1924** Closure of the First Municipality of Gasfabriek on the Gaslaan.
- **1967** Closure of the Tweede Gemeente Gasfabriek on Trekvlietplein

# Existing Situation

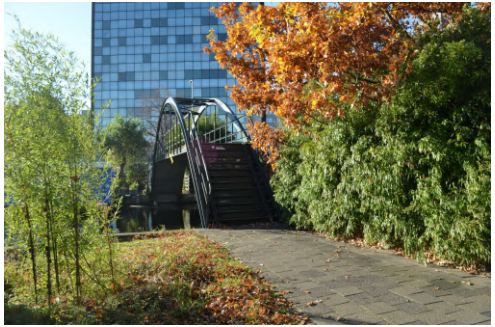


# Existing Situation

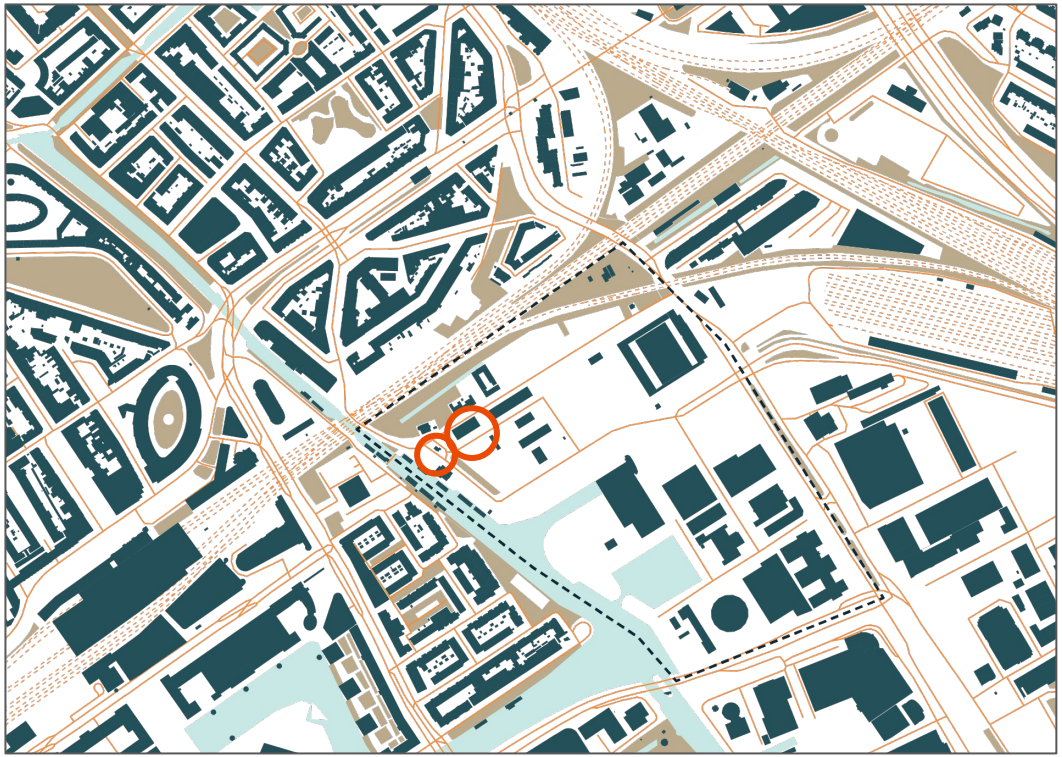


- Limited accessibility





# Existing Situation



- Underappreciated industrial heritage







# Existing Situation



- Active waste and recycling facilities







# Existing Situation



- Wasted space
- Fences covered with street art
- Empty Containers

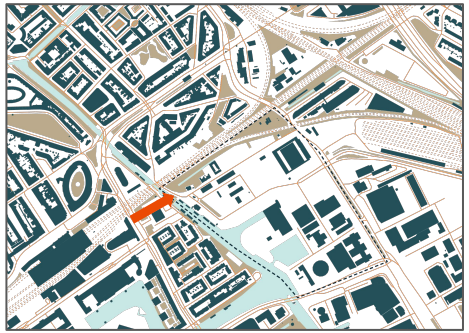






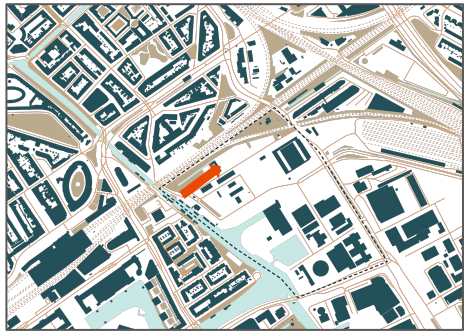
# Existing Situation





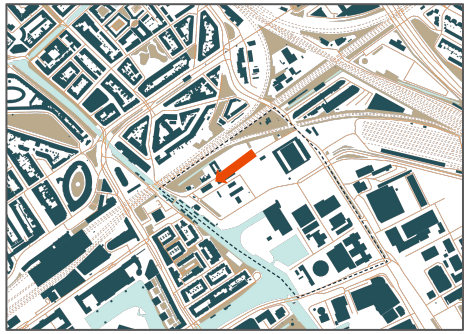
# Existing Situation





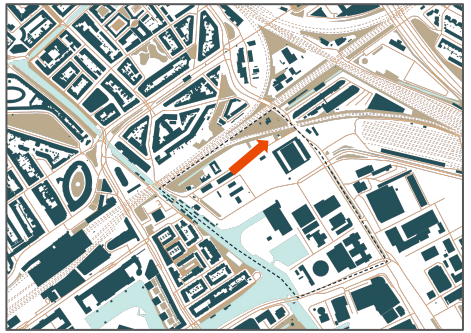
# Existing Situation





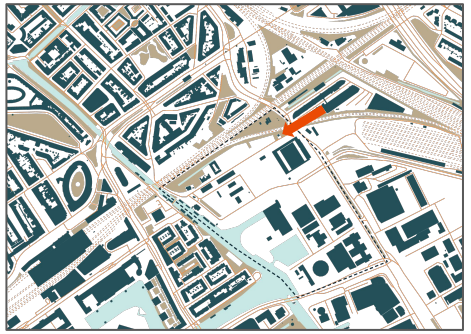
# Existing Situation



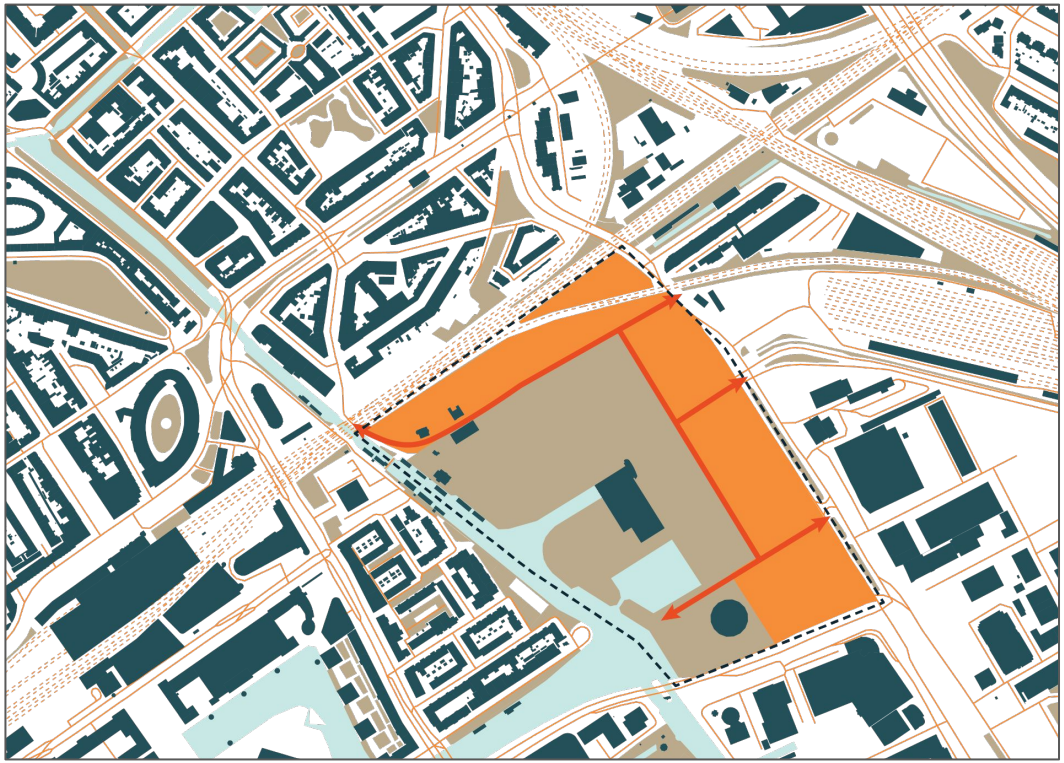



# Existing Situation

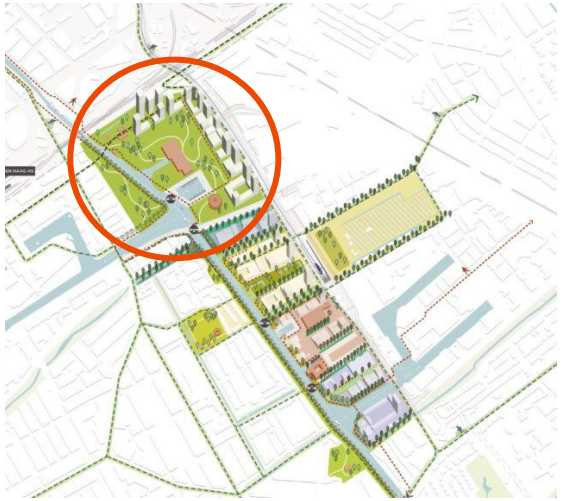




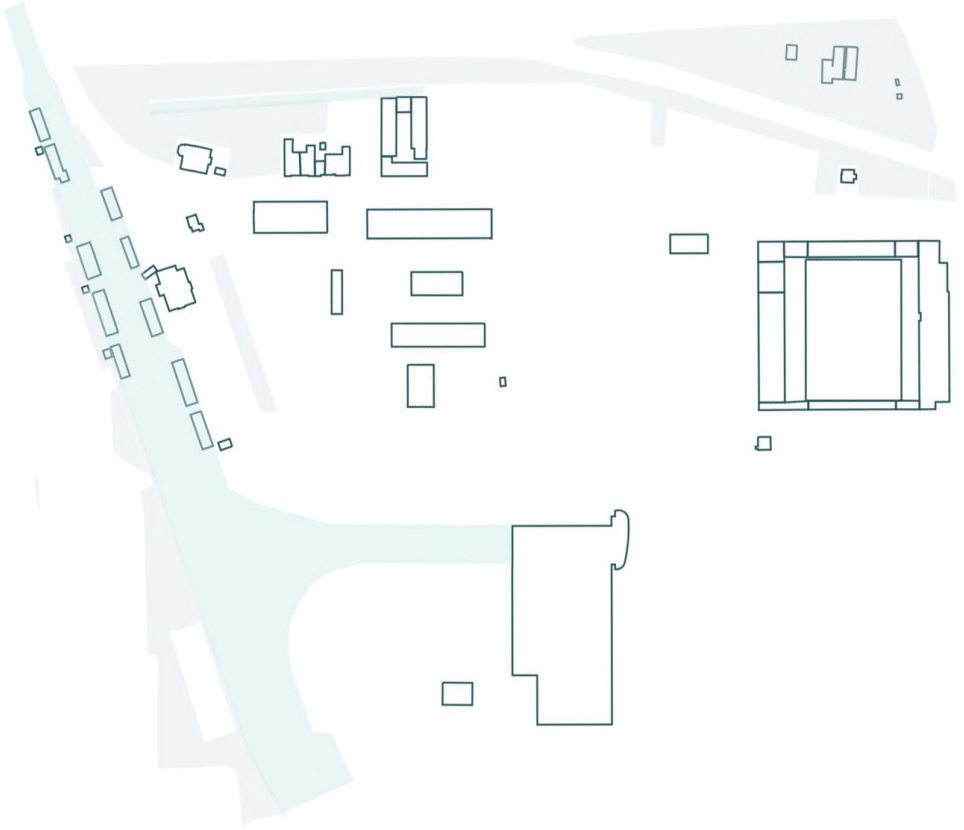
# Future Plans



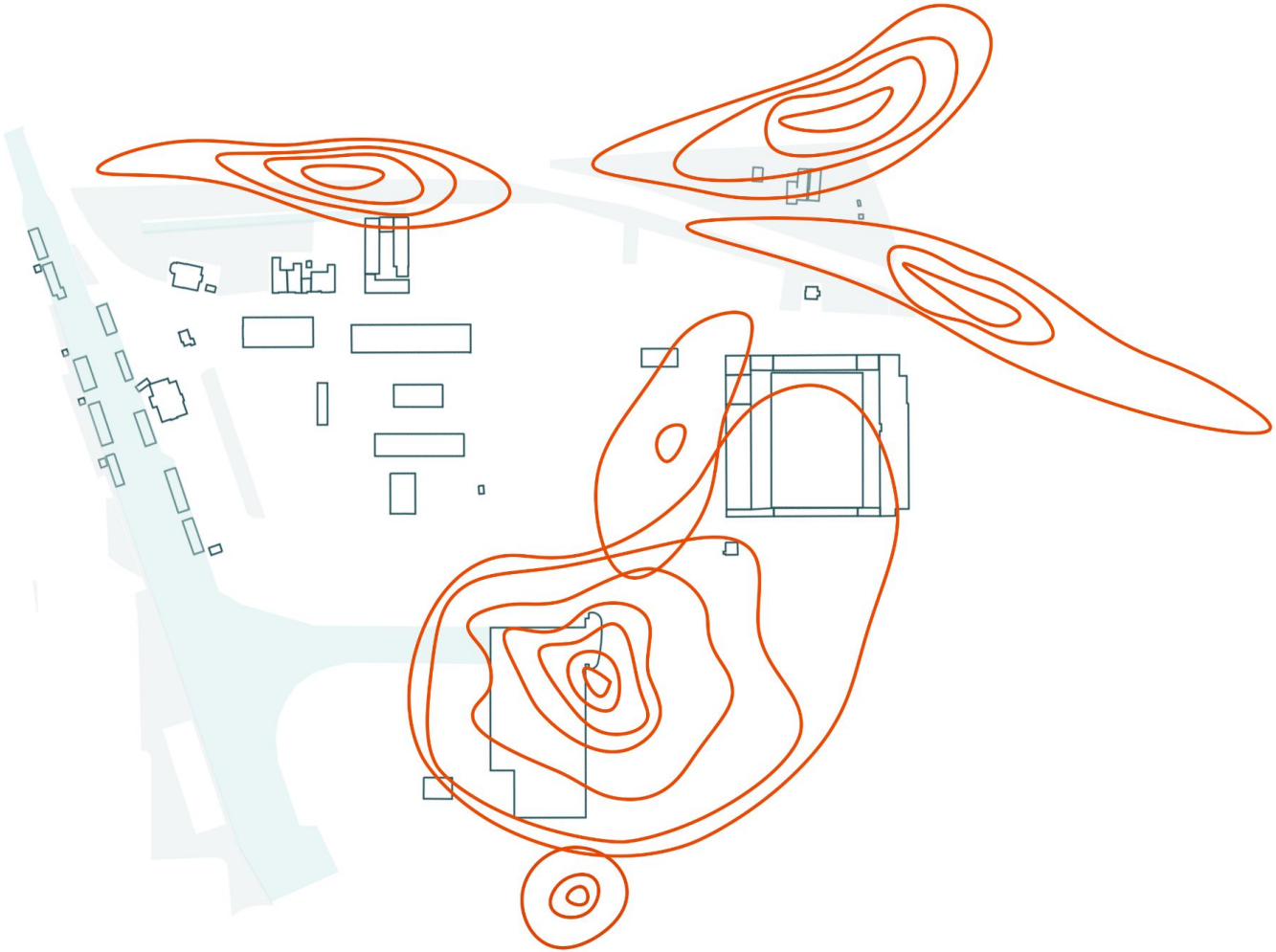
- Preserve monuments
- Eliminate all other functions
- Develop a big urban park
- Populate the buildable are with residential towers



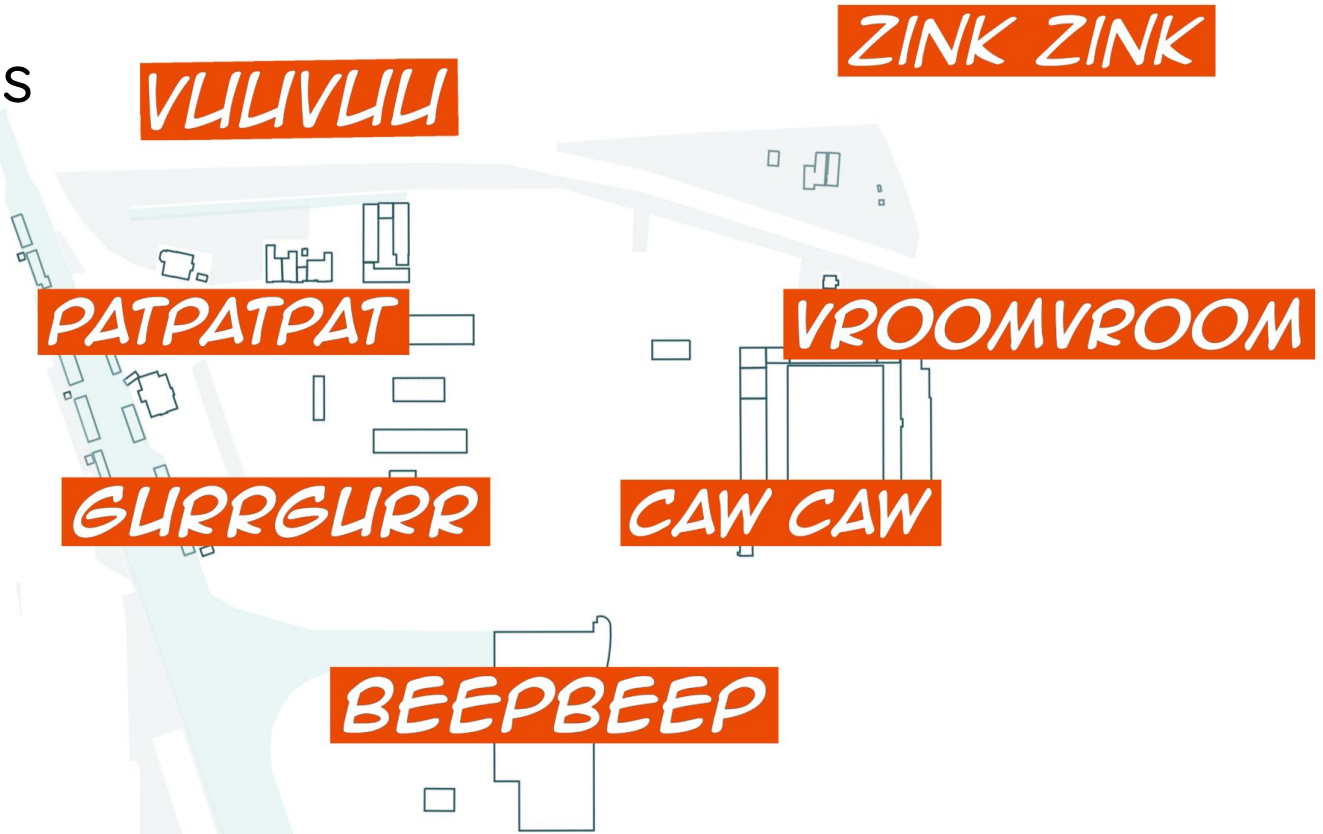
# Area of Focus



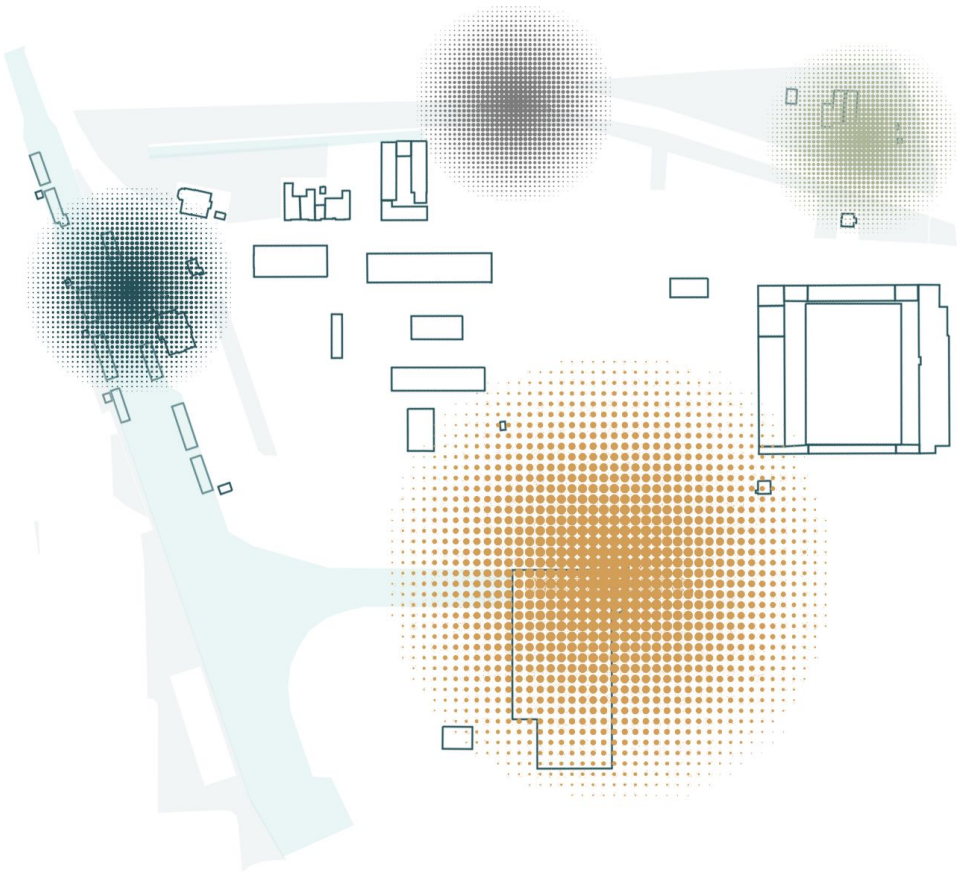
# Sound



# Expressions



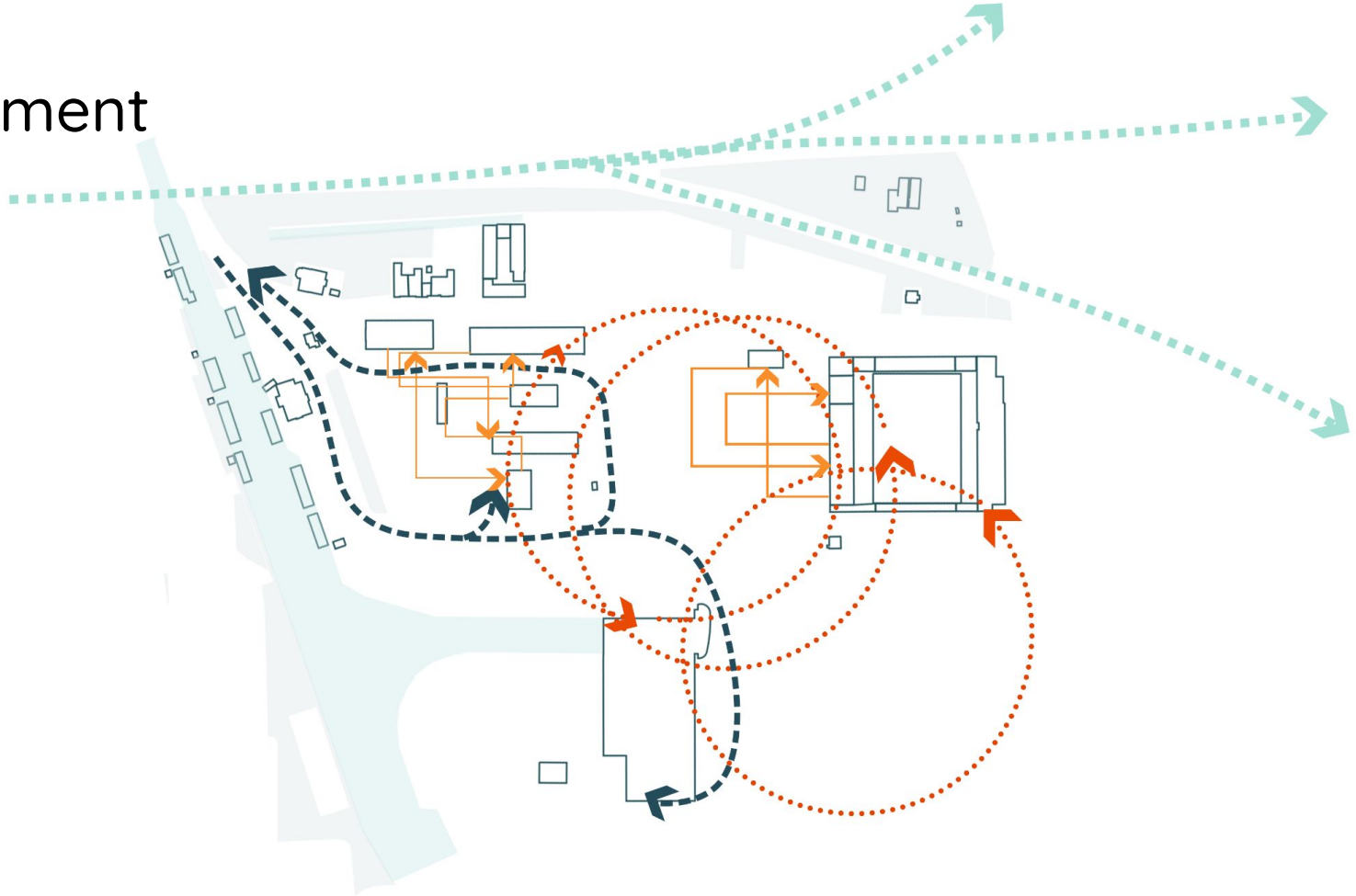
# Smell



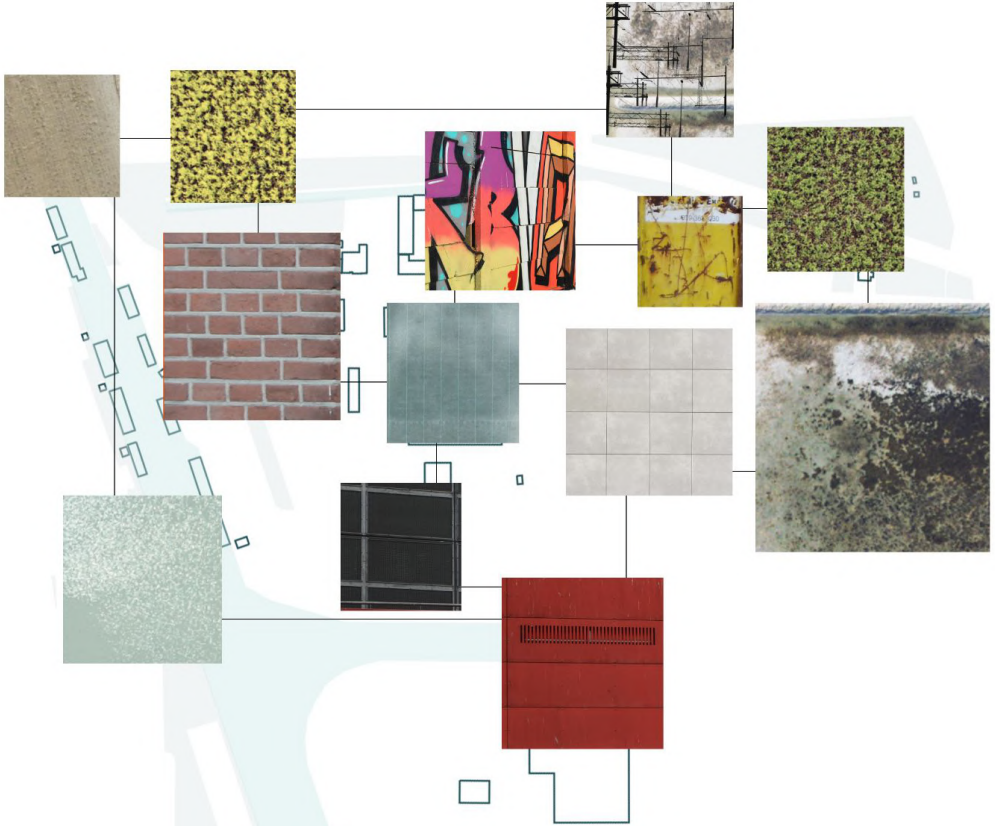
# Main Users



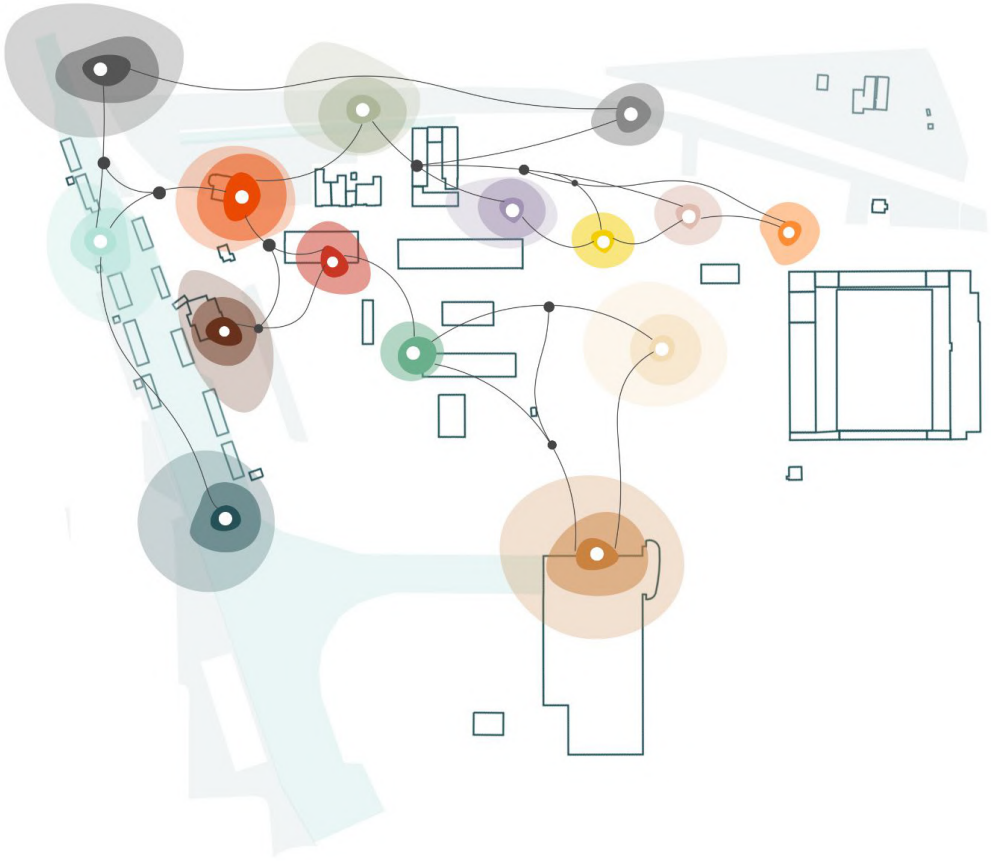
# Movement



# Materials



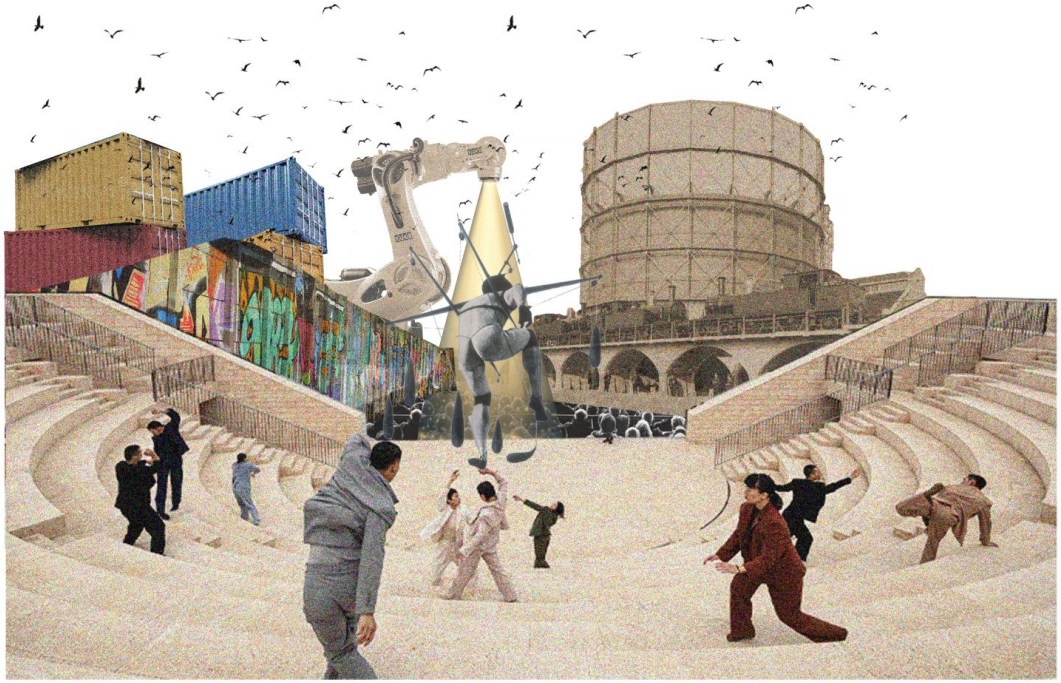
# Mood



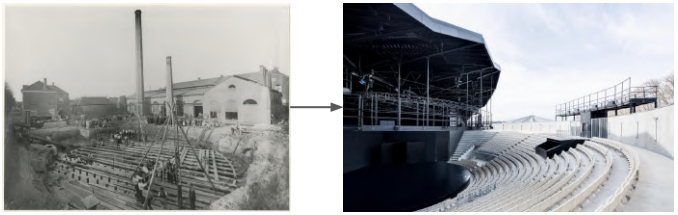
# Embracing the Discordance

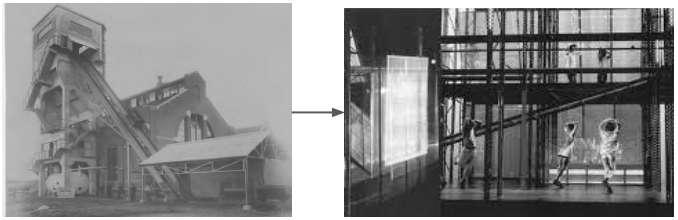


# Strategy



Reveal & Reformat







# Achieving the Catharsis

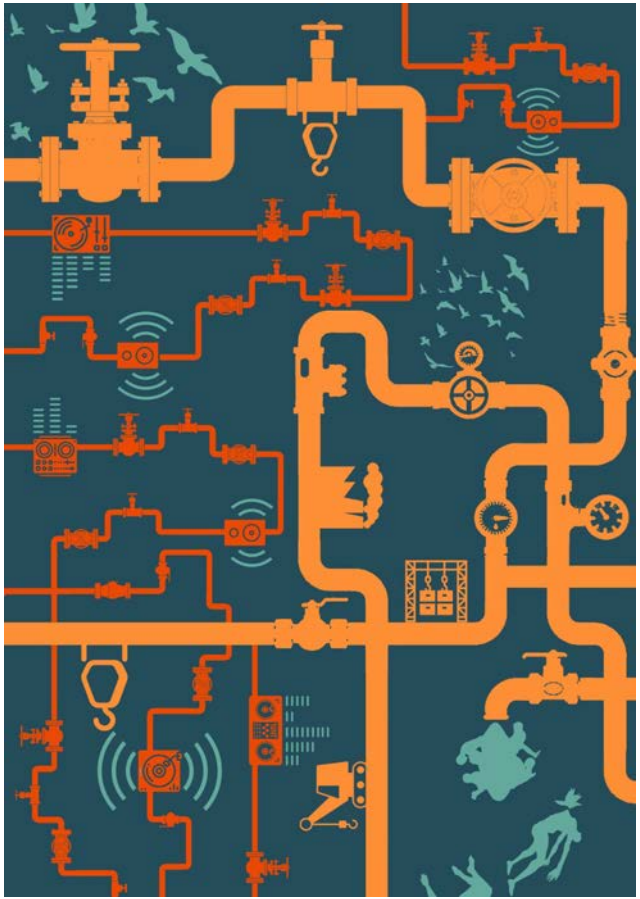
In Italo Calvino's Invisible Cities, **Thekla**, is a city with endless construction—nothing but cranes, pulleys, and scaffolding.

Scaffolding is a metaphor for progress

*"Without it, everything will crumble and fall to pieces, everything will lose its meaning."*

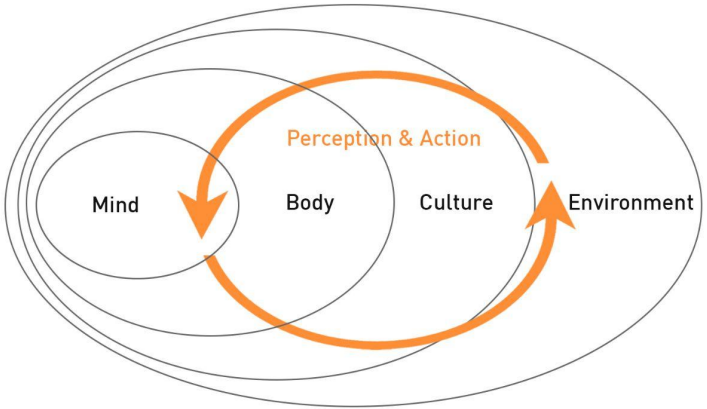
Why is the construction is taking so long?

*"So that its destruction cannot begin." (Residents of Thekla, Calvino 1974)*

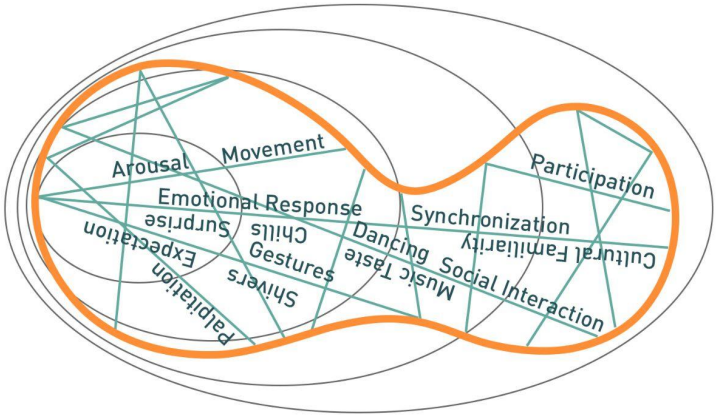


# Emotional Response to Music

Embodied Cognition

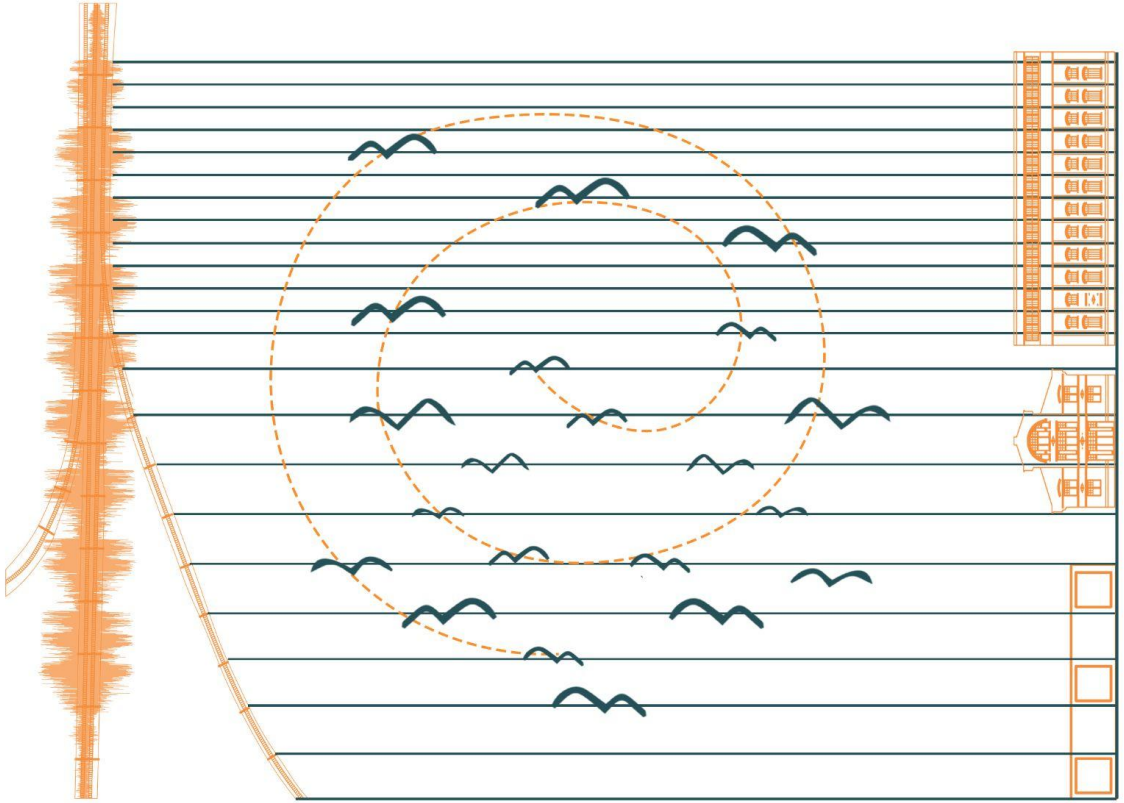



Embodied Music Cognition

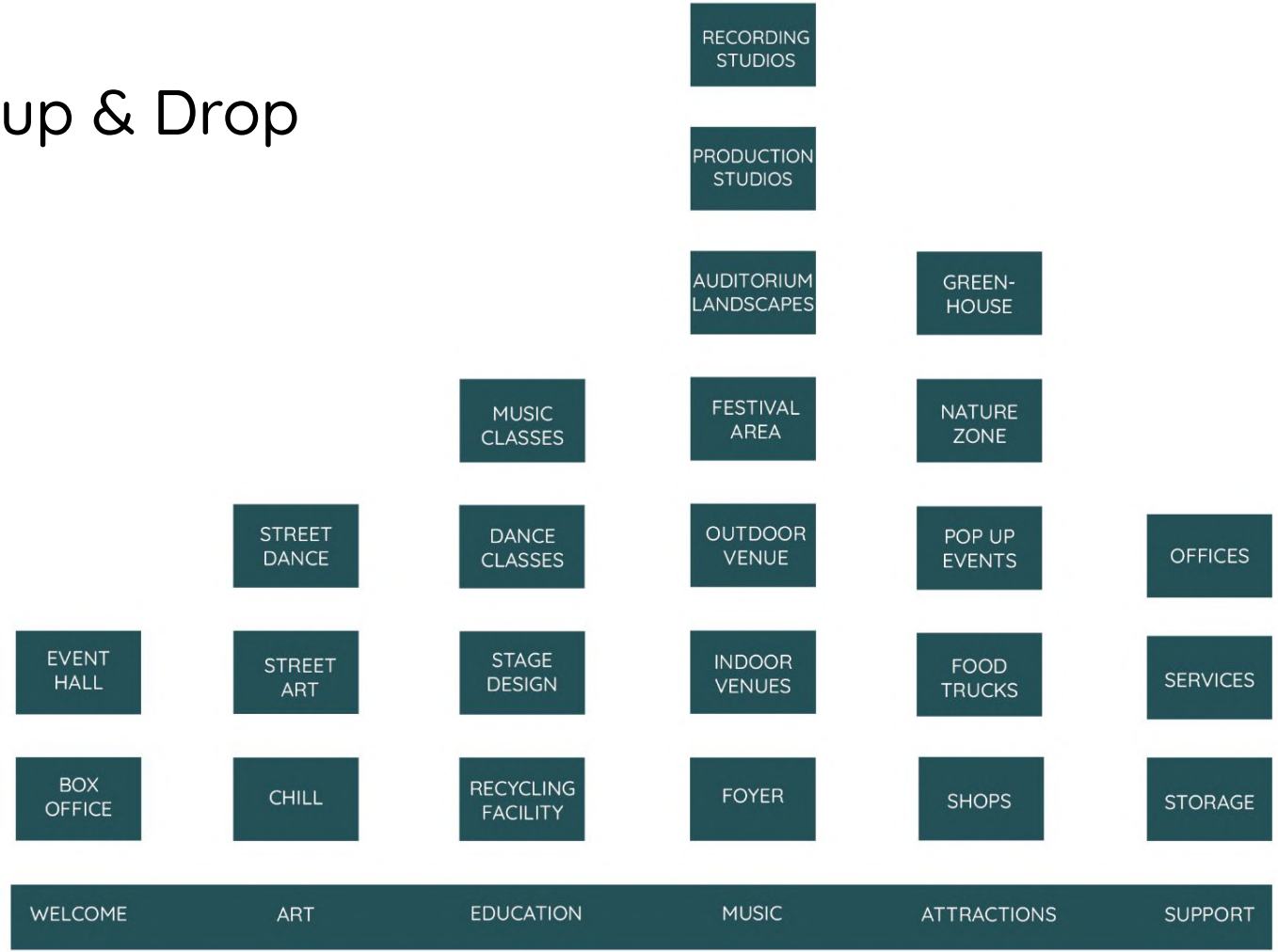



*"Music, directly transected by desires and drives, has always had but one subject - the body, which it offers a complete journey through pleasure, with a beginning and an end. A great musical work is always a model of amorous relations, a model of relations with the other, of eternally recommenceable exaltation and appeasement, an exceptional figure of represented or repeated sexual relations." (Jacques Attali, 1985)*

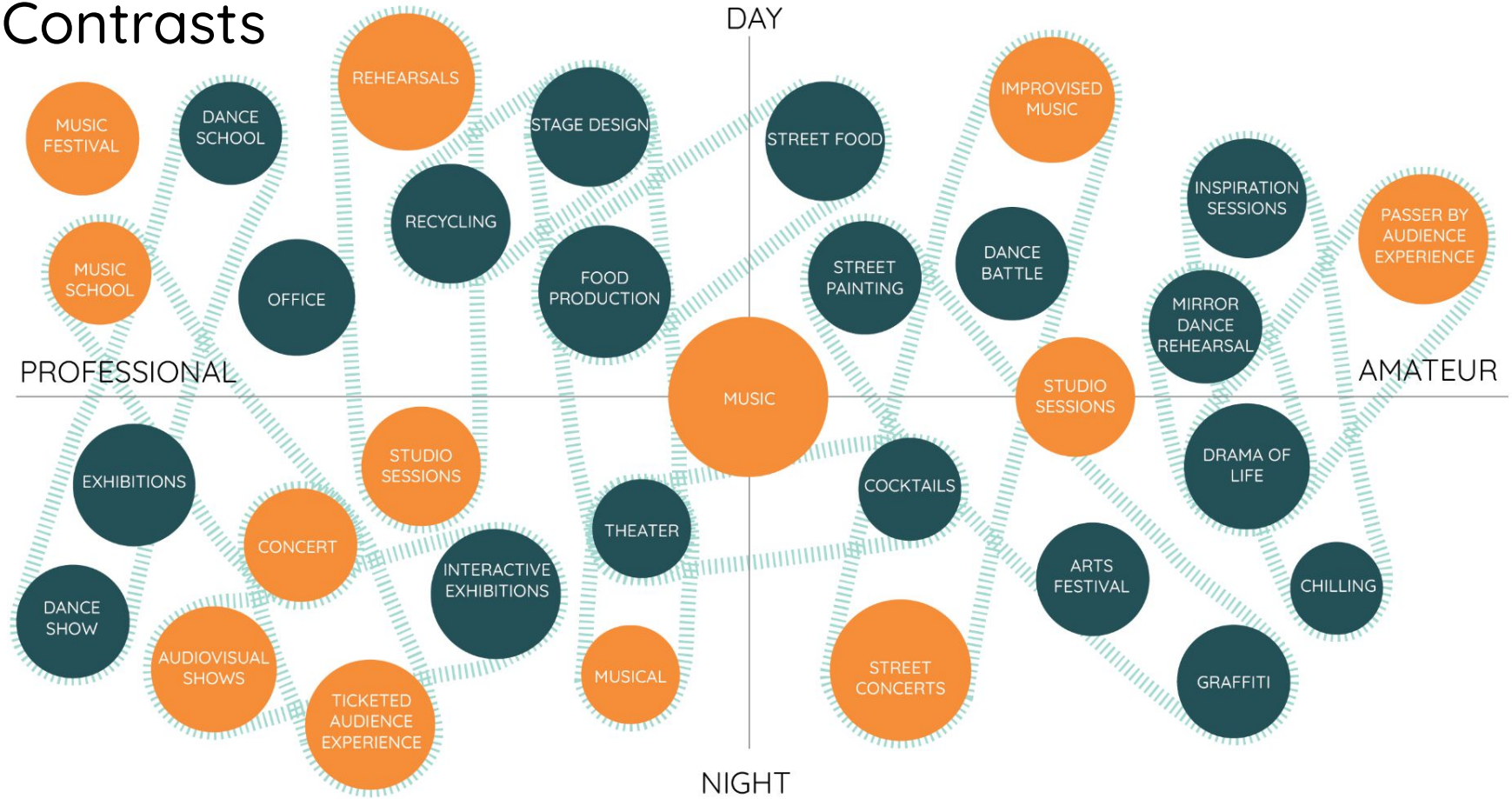
# Tension & Release



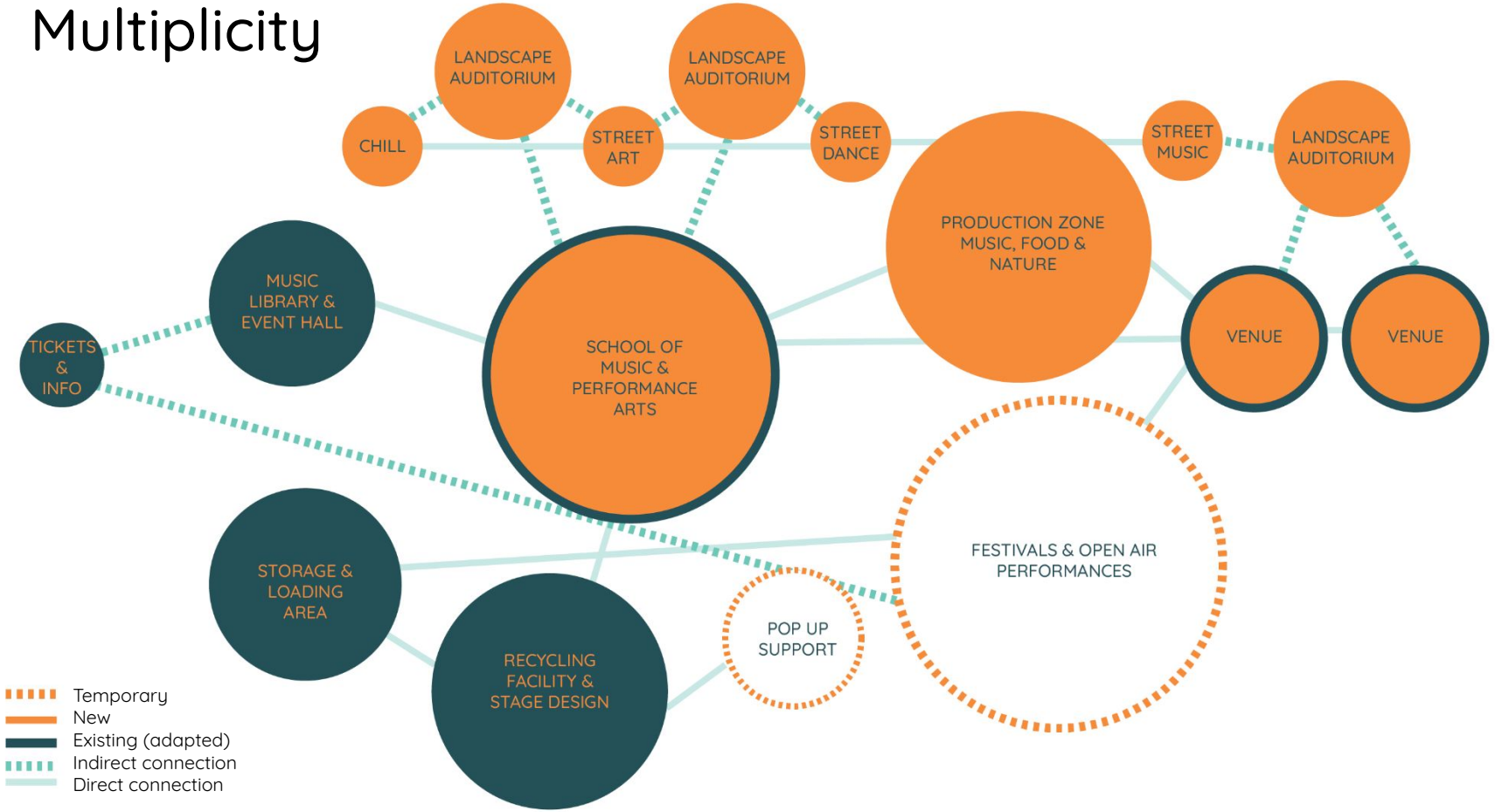
# Build up & Drop



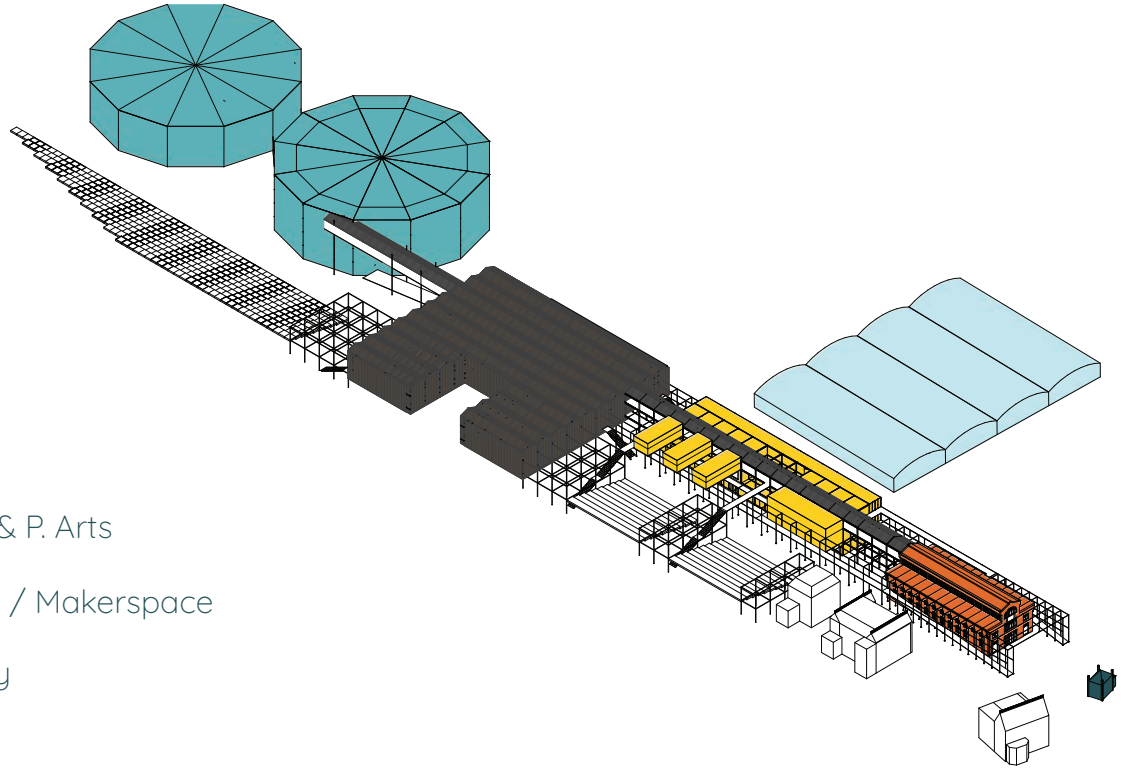
# Contrasts


DAY
NIGHT
PROFESSIONAL
AMATEUR
MUSIC FESTIVAL
DANCE SCHOOL
REHEARSALS
STAGE DESIGN
STREET FOOD
IMPROVISED MUSIC
INSPIRATION SESSIONS
PASSER BY AUDIENCE EXPERIENCE
MUSIC SCHOOL
OFFICE
RECYCLING
FOOD PRODUCTION
STREET PAINTING
DANCE BATTLE
MIRROR DANCE REHEARSAL
MUSIC
STUDIO SESSIONS
EXHIBITIONS
STUDIO SESSIONS
COCKTAILS
DRAMA OF LIFE
CONCERT
THEATER
ARTS FESTIVAL
CHILLING
INTERACTIVE EXHIBITIONS
DANCE SHOW
AUDIOVISUAL SHOWS
MUSICAL
STREET CONCERTS
GRAFFITI
TICKETED AUDIENCE EXPERIENCE

# Multiplicity

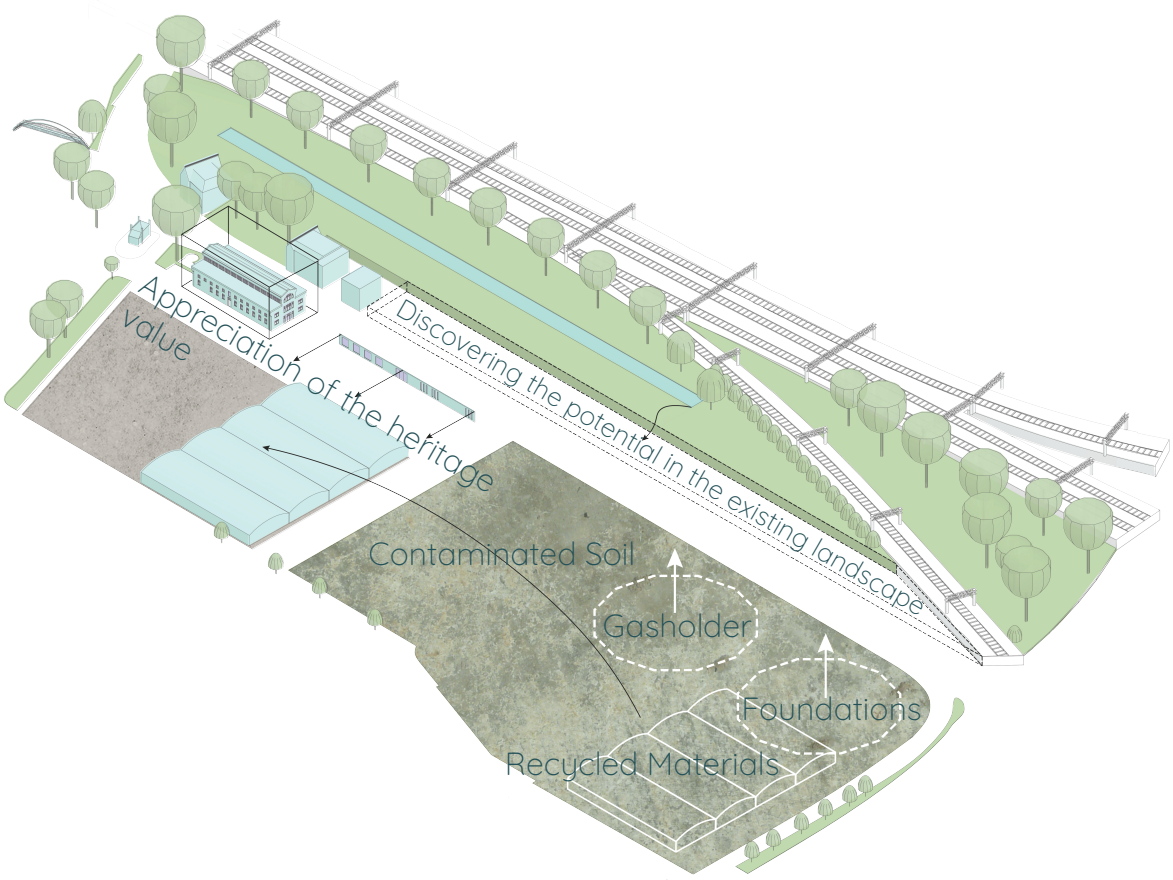


# Programs

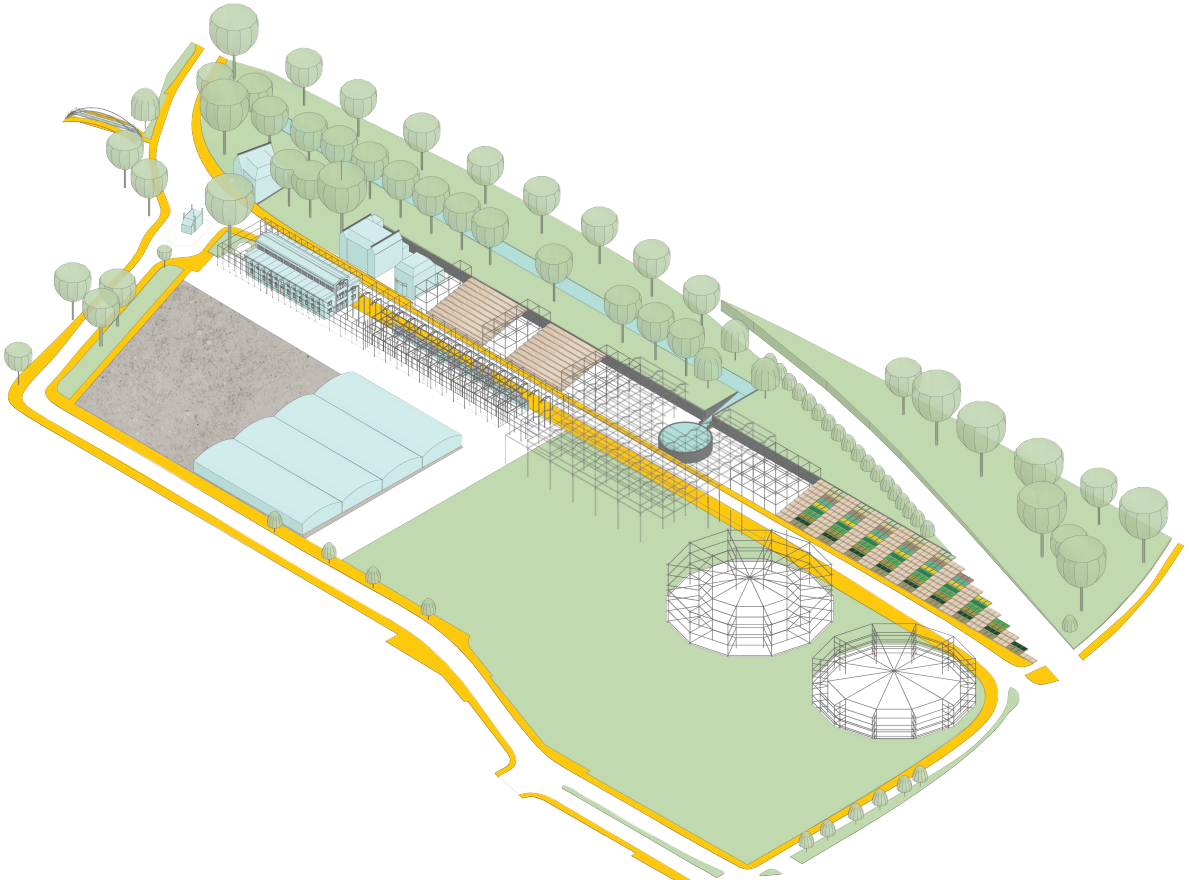


- Box Office
- Library of Music
- School of Music & P. Arts
- Production Zone / Makerspace
- Recycling Facility
- Music Venues

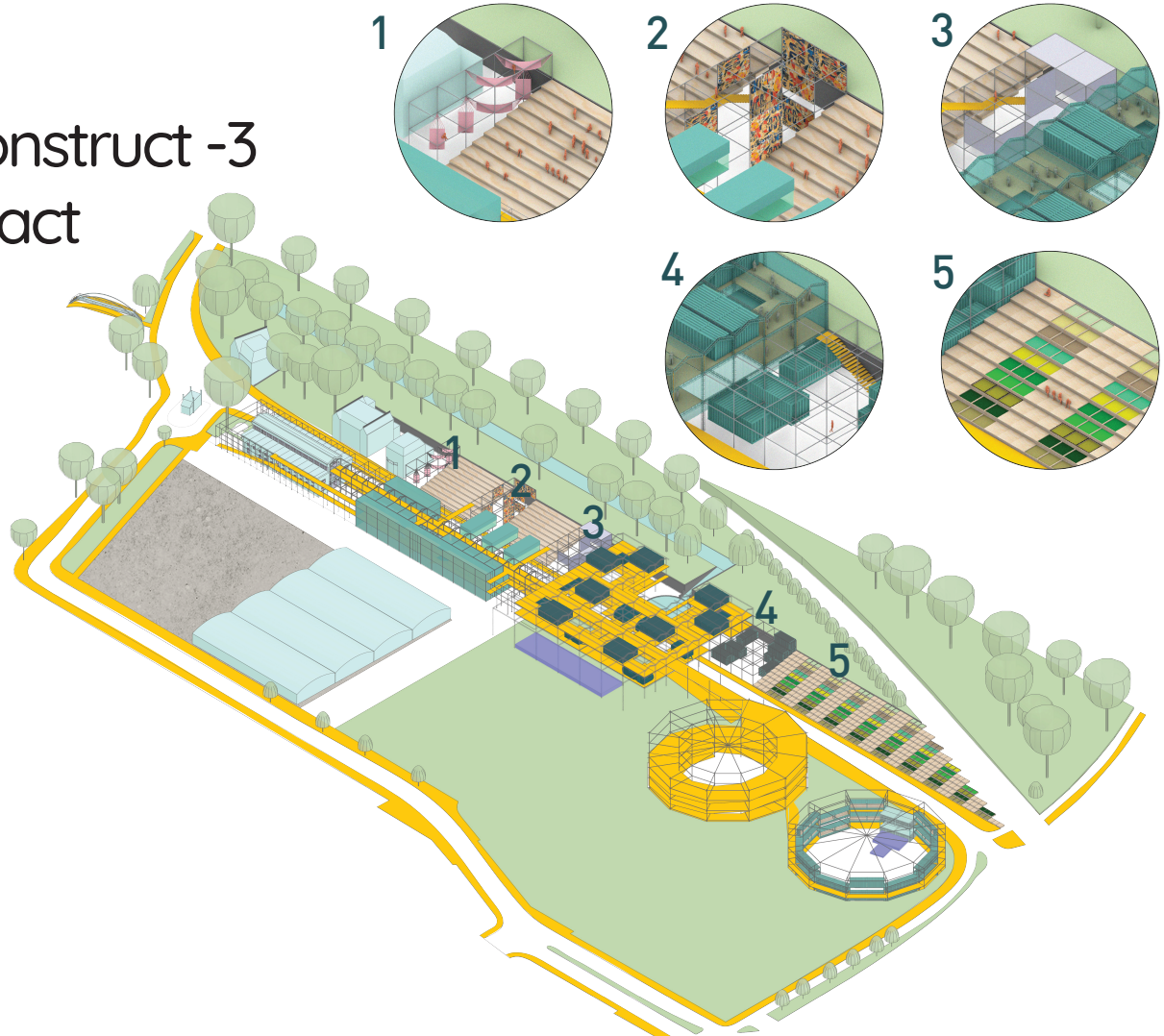
# Steps to Construct -1 Cleanse & Reveal



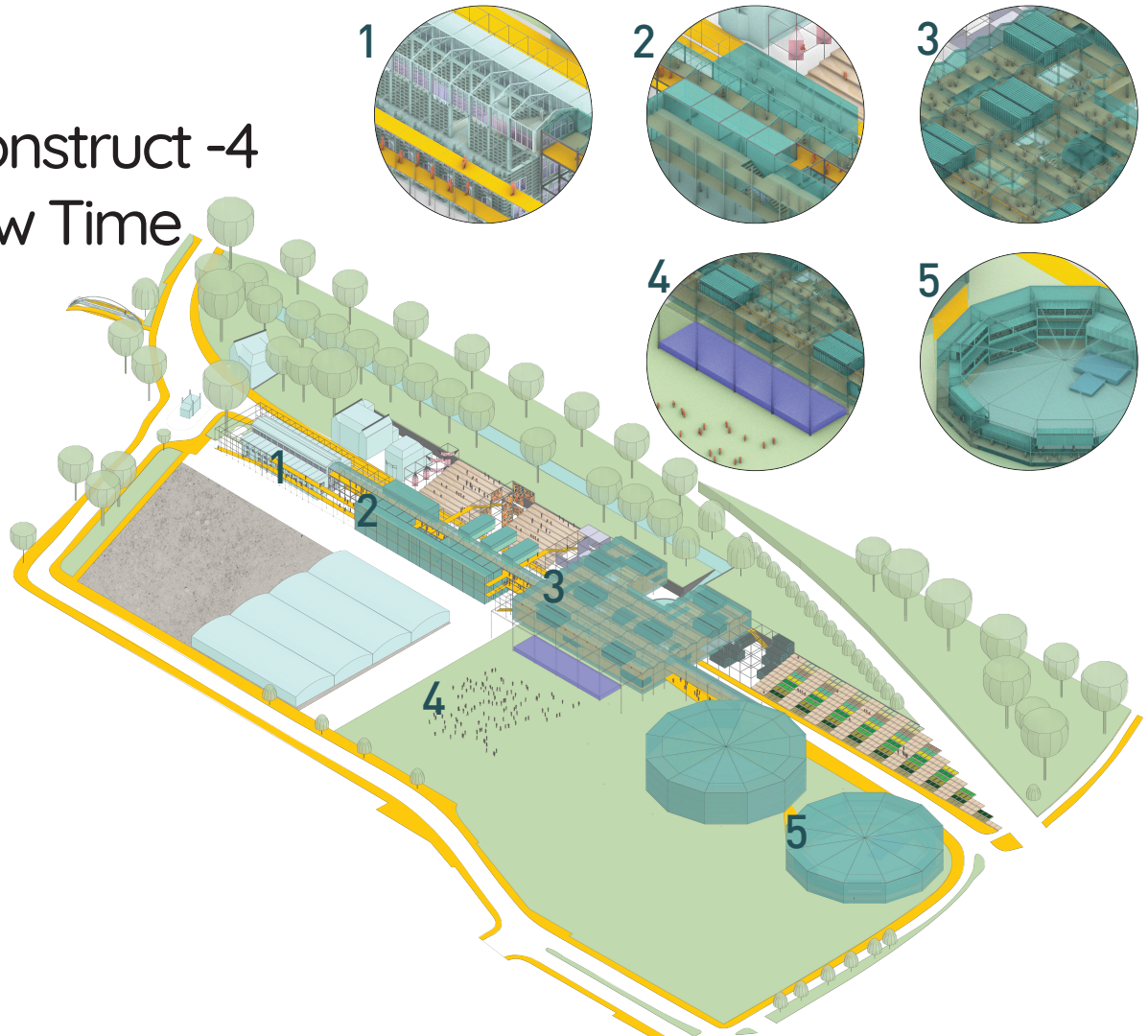
# Steps to Construct -2 Reframe & Repurpose



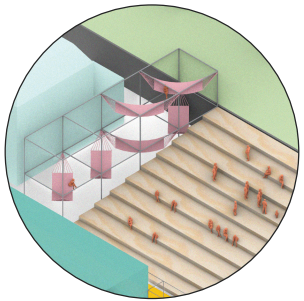
# Steps to Construct -3
# Fill in & Attract



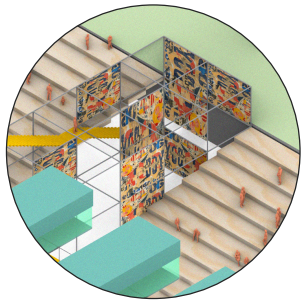
# Steps to Construct -4
# Play & Show Time



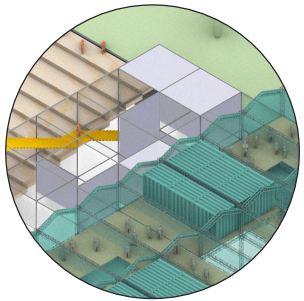
# Life in the Urban Catharsis



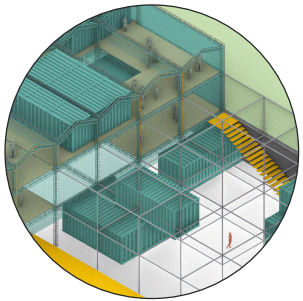
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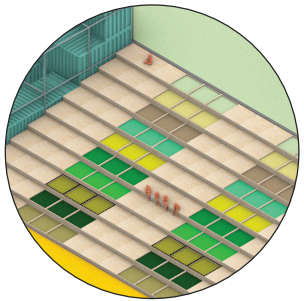
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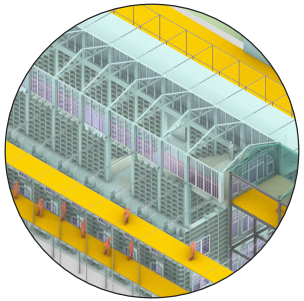
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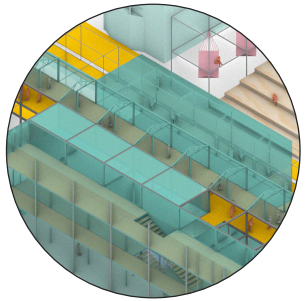
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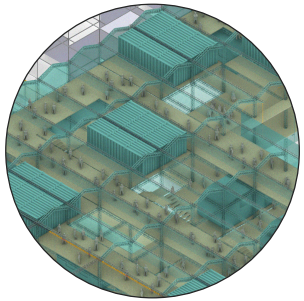
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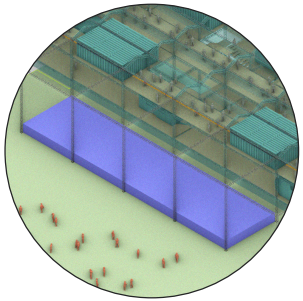
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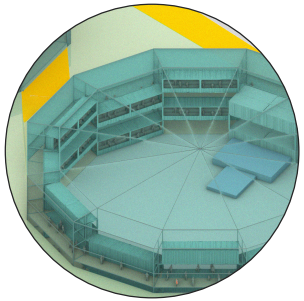
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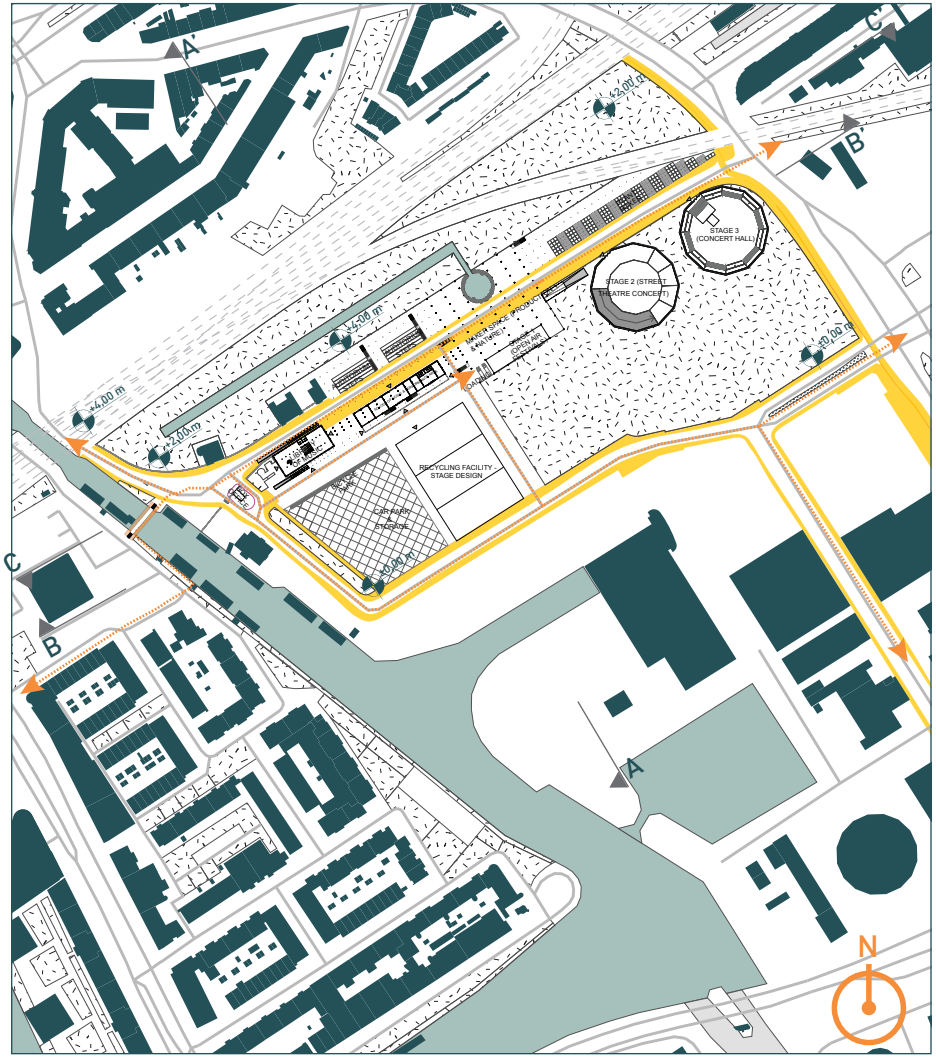


4

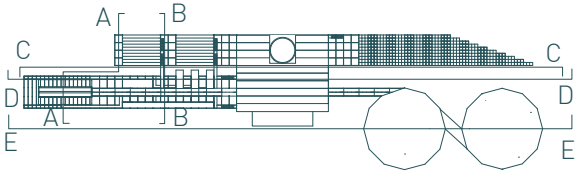


5

# The Ground


A
A'
B
B'
C
C'
STAGE 3
(CONCERT HALL)
STAGE 2 (STREET
THEATRE CONCERT)
RECYCLING FACILITY
STAGE DESIGN
+4.00 m
+4.00 m
+4.00 m
+4.00 m
+4.00 m
N

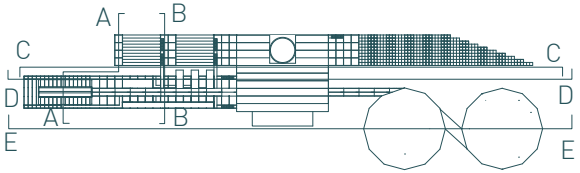
# Site Profiles






Site Profile A-A

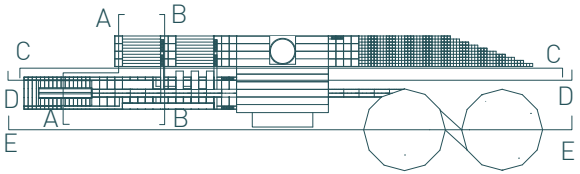
# Site Profiles






Site Profile E-E

# Site Profiles






Site Profile C-C

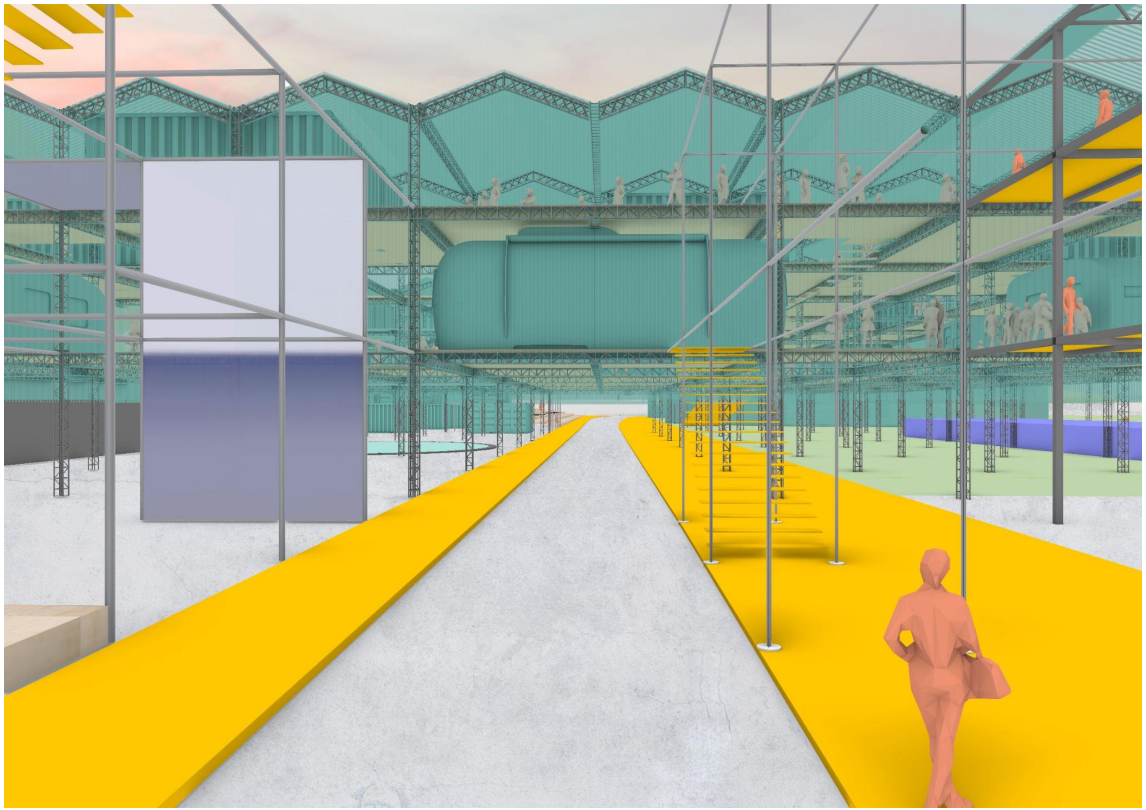
# Approaches



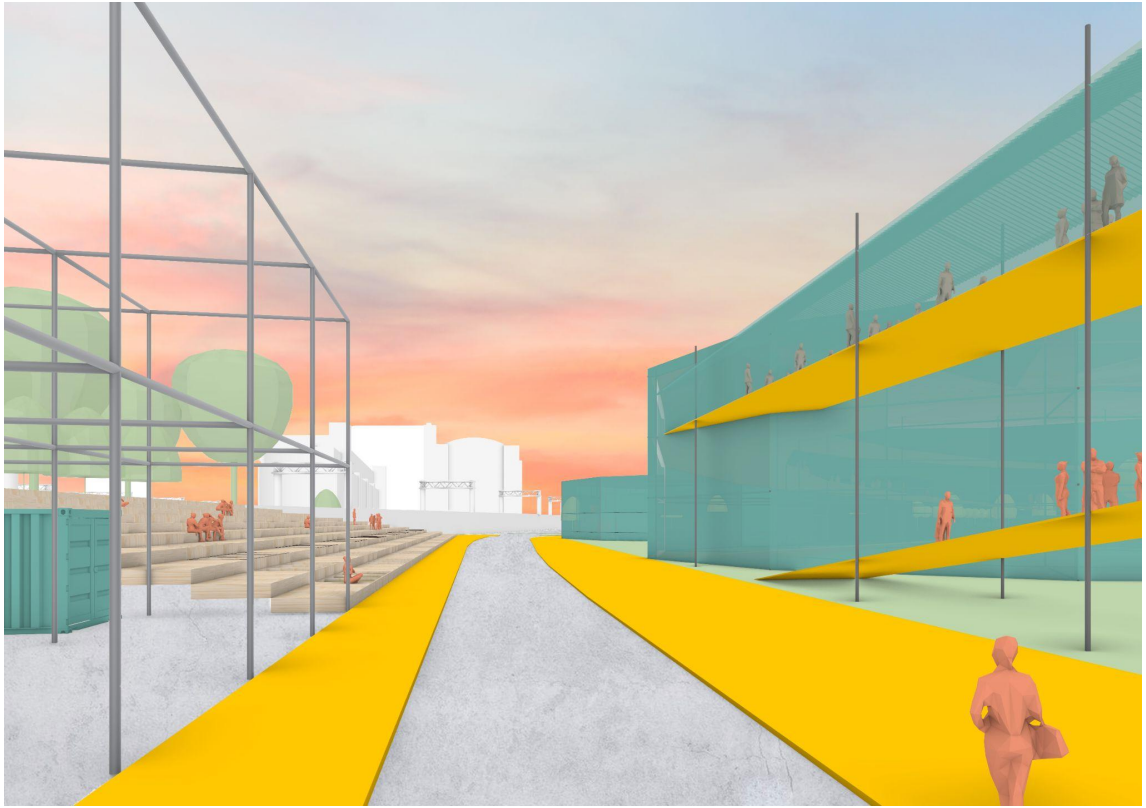
# Approaches



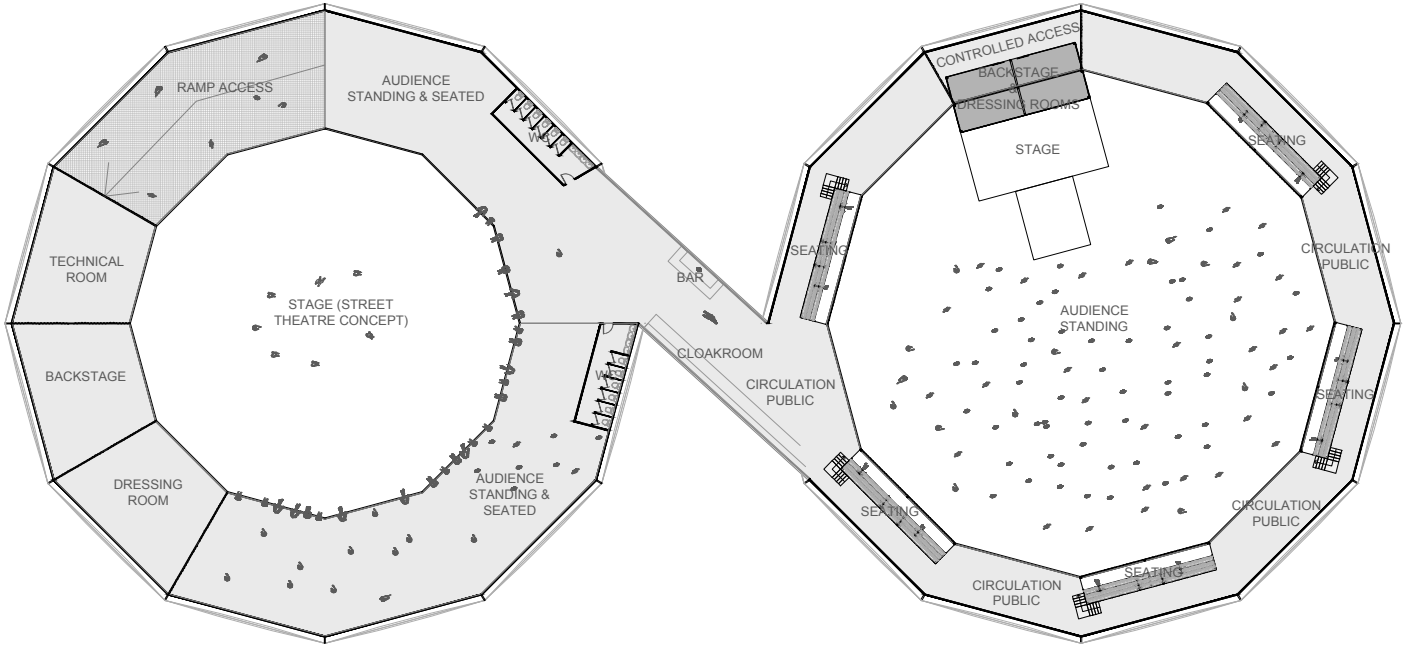
# Approaches



# Approaches

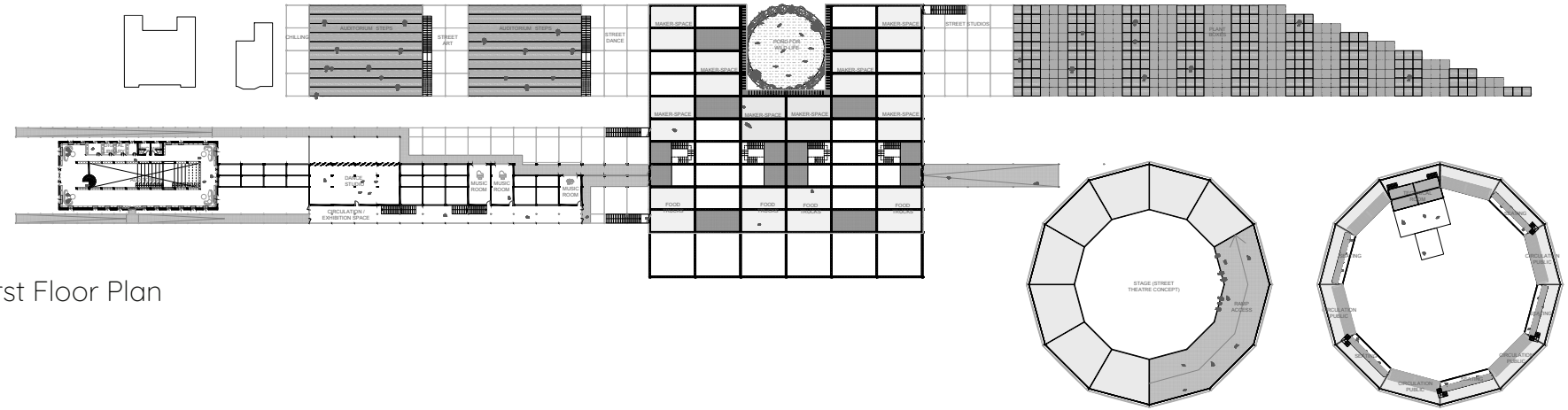


# Floor Plans



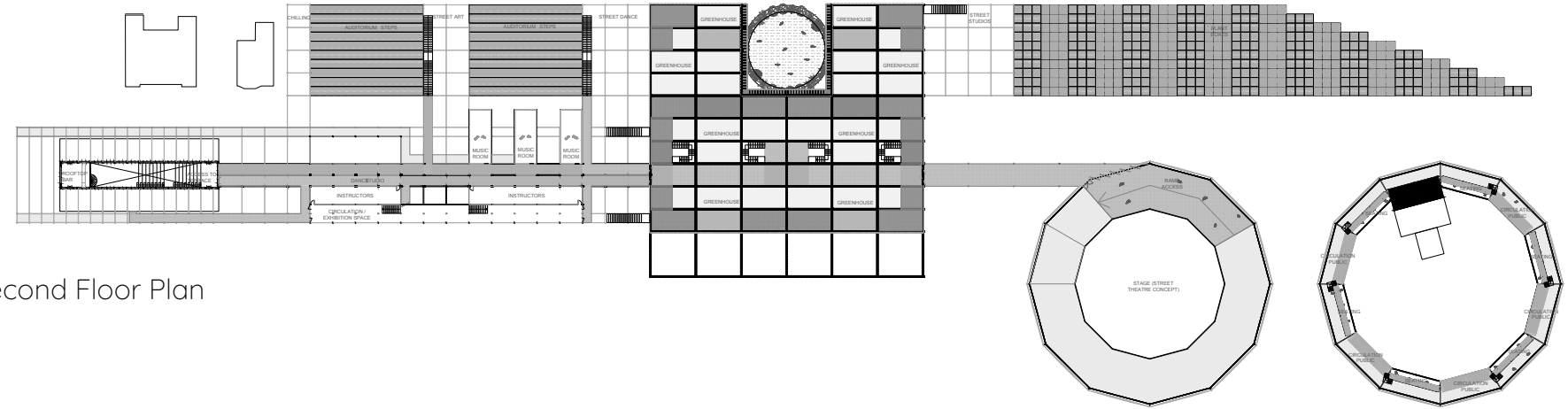

-1 Floor Plan

# Floor Plans



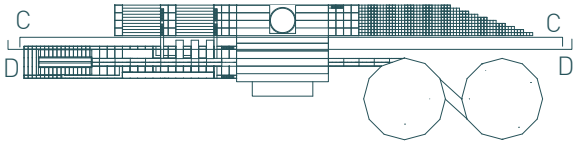

First Floor Plan

# Floor Plans




Second Floor Plan

# Longitudinal Sections



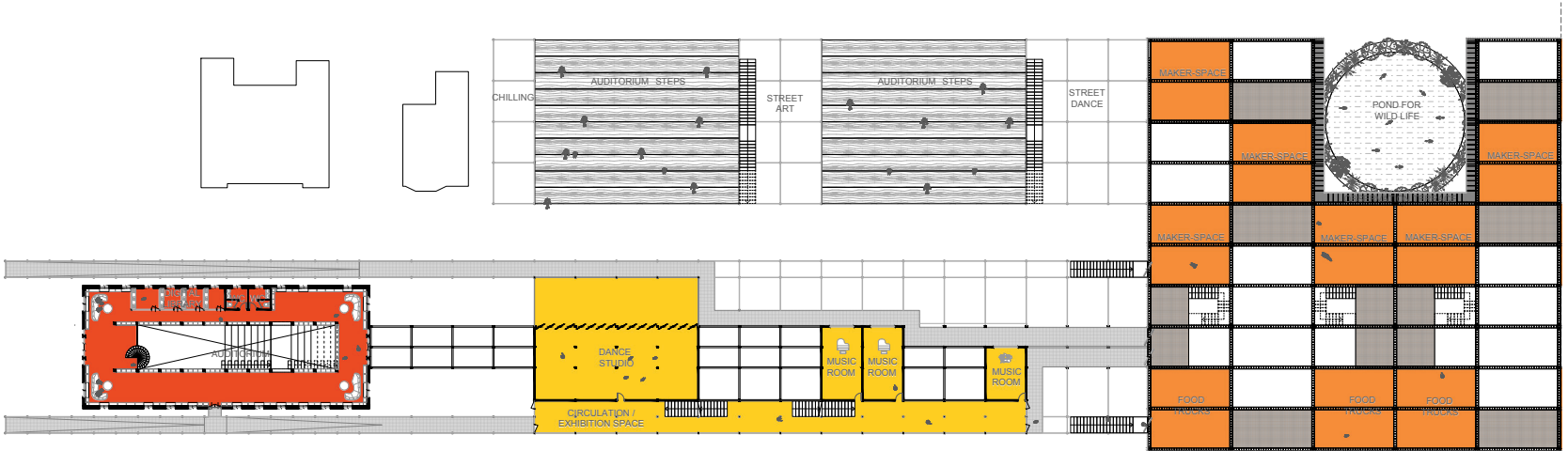



Section C-C



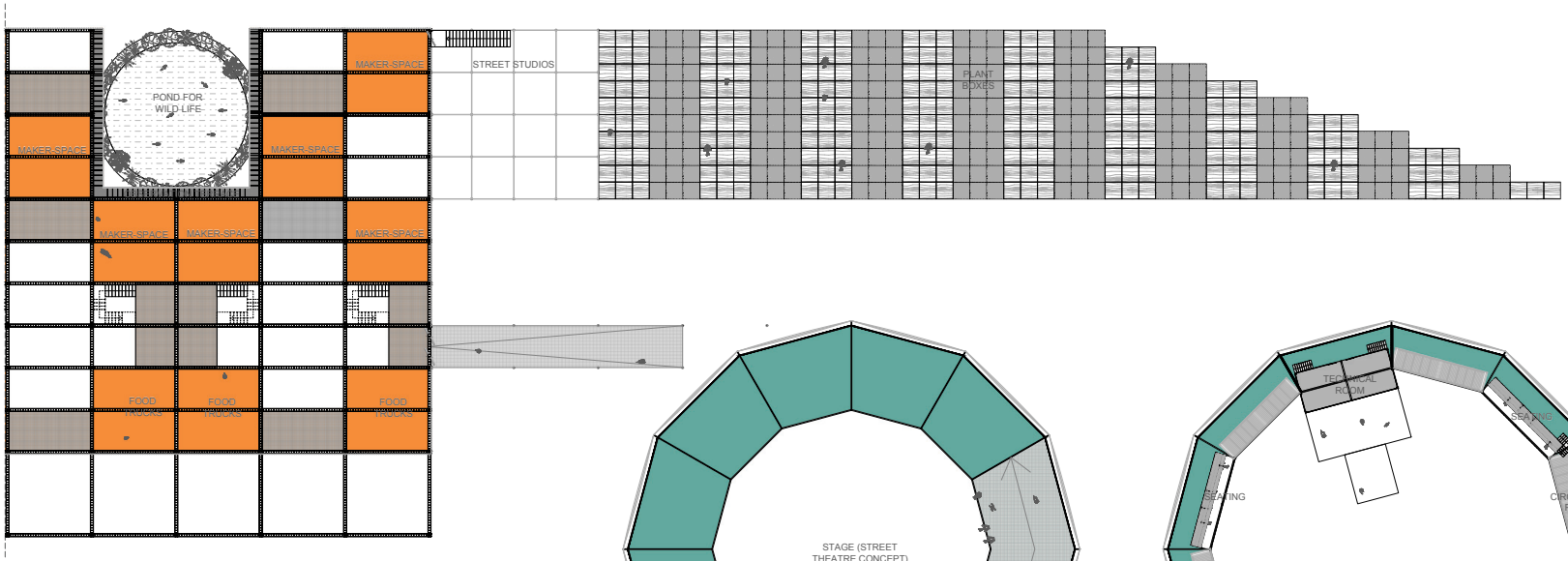
Section D-D

# First Floor Plan



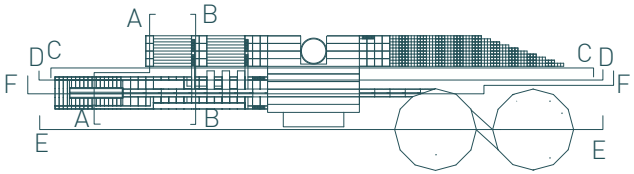

- Box Office
- Library of Music
- School of Music & P. Arts
- Production Zone / Makerspace
- Recycling Facility
- Music Venues

# First Floor Plan




- Box Office
- Library of Music
- School of Music & P. Arts
- Production Zone / Makerspace
- Recycling Facility
- Music Venues

# Sections



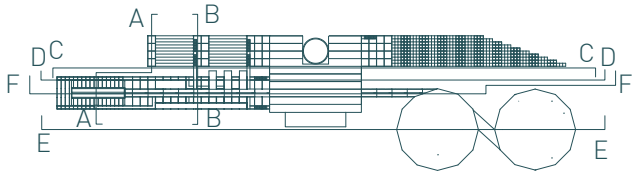



Section A-A



Section B-B

# Sections



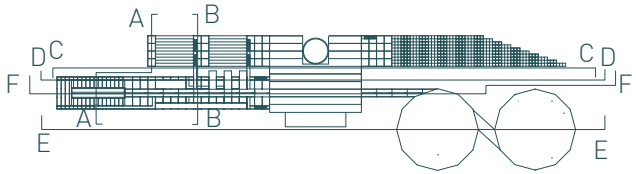


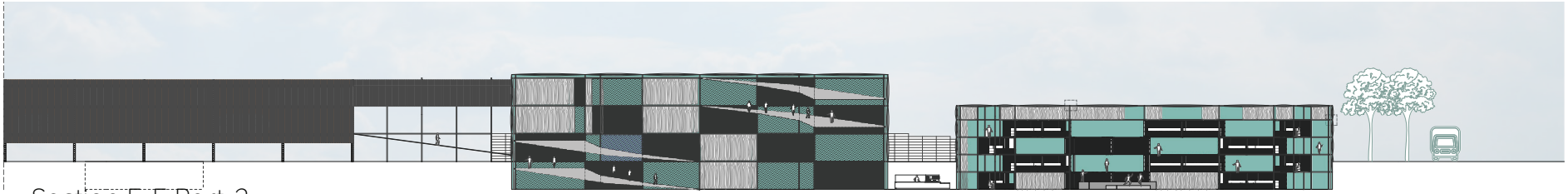

Section E-E Part-1



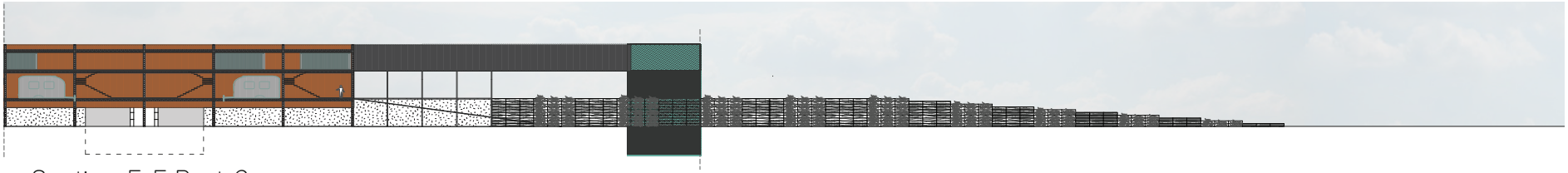
Section F-F Part-1

# Sections



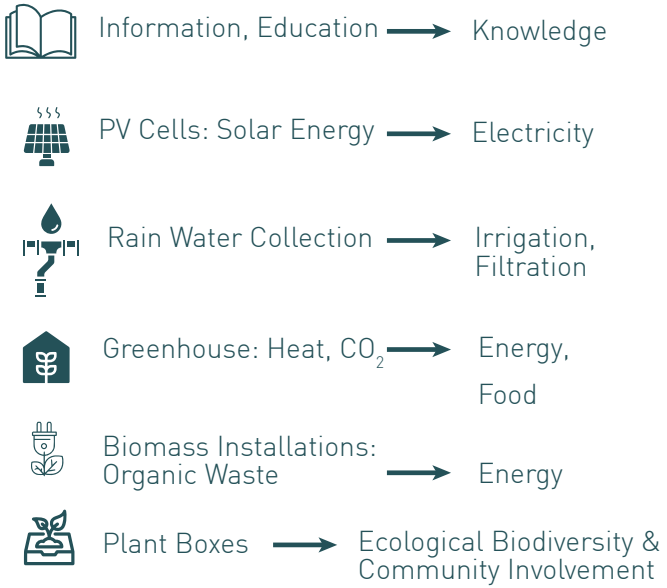
Section E-E Part-2



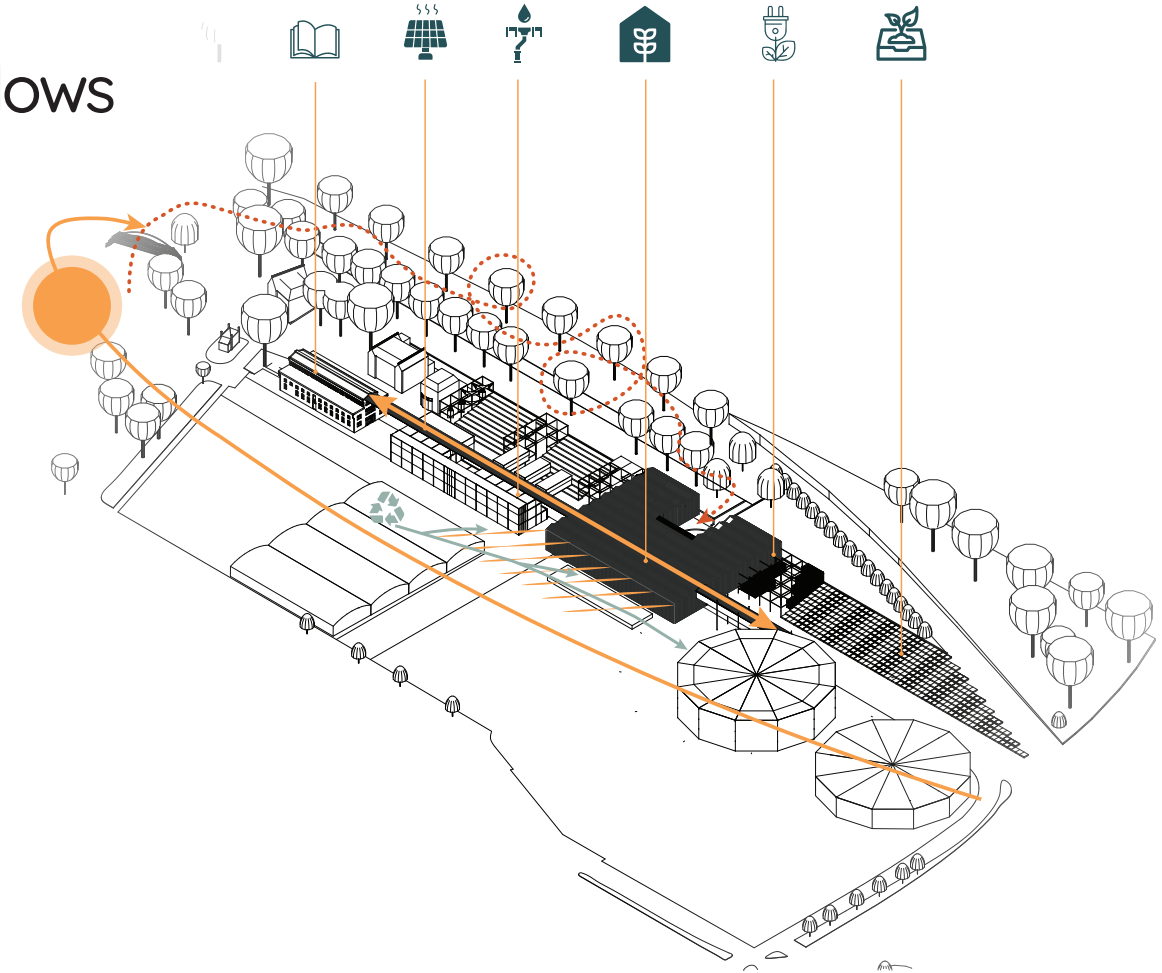
Section F-F Part-2

# Diagram of Flows



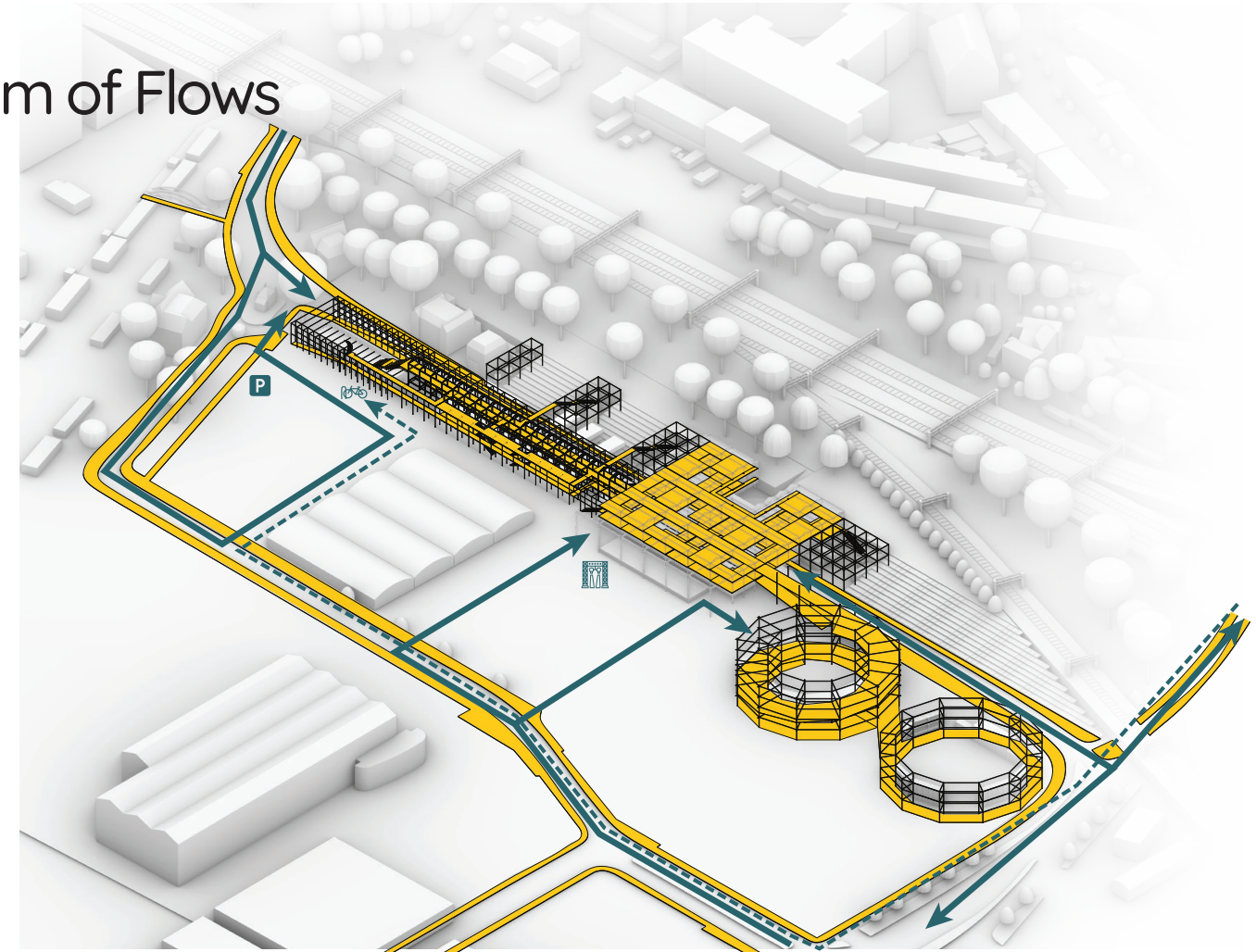



# Diagram of Flows



- Recycled Material
- Food, Waste & Energy
- Wildlife
- Vehicles
- People

# Diagram of Flows



# Parameters to Construct - Biodiversity



Vespula Vulgaris



Achillea Millefollium



Hedychrum Rutilans



Tragopogon Pratensis Orientalis



Horistus Orientalis



Carduus Crispus



Meconema Meridionale



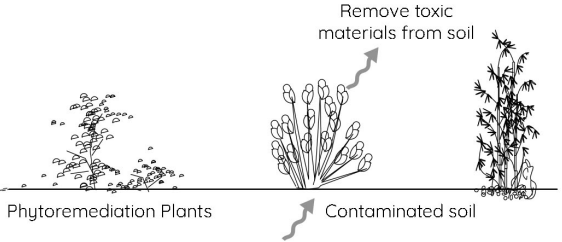
Silene Coronaria



Pipistrellus Pipistrellus



Festuca Rubra






Biomass
-Garbage
-Organic Waste
-Gasoline

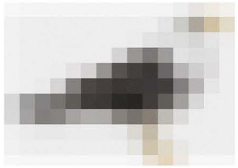
Installation

Energy

# Parameters to Construct - Nature Inclusivity



Larus Argentatus





Gallus Gallus
Forma Domestica





Carduelis Carduelis





Phoenicurus Ochruros



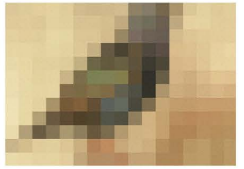


Accipiter Gentilis





Sturnus Vulgaris



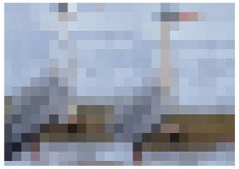


Acrocephalus Palustris



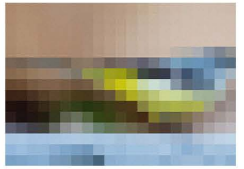


Ardea Cinerea





Motacilla Cinera





Columba Palumbus





Motacilla Alba

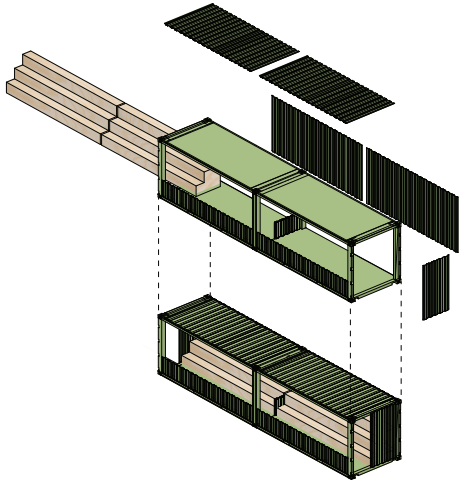




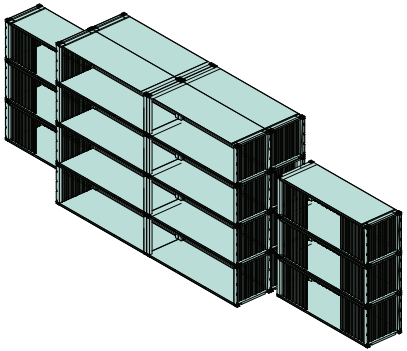
Podiceps Cristatus



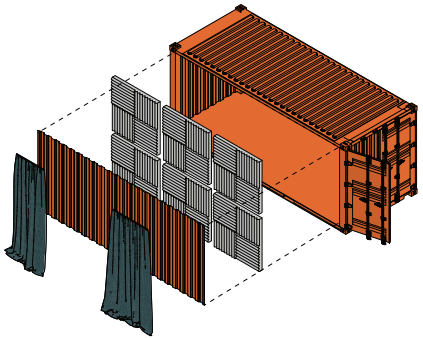
# Parameters to Construct-Industrial Leftovers



Container Seating Modules

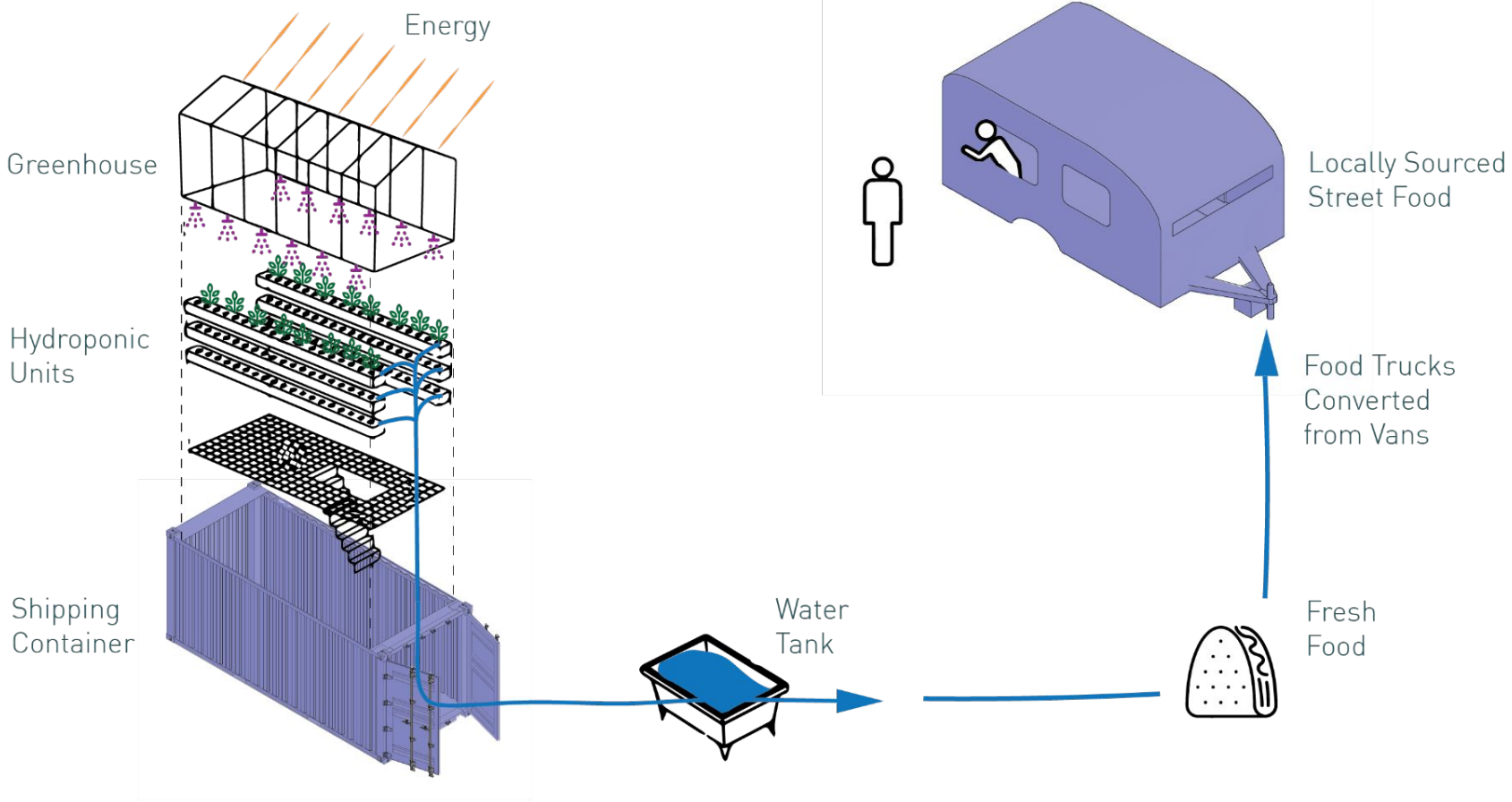


Backstage Units

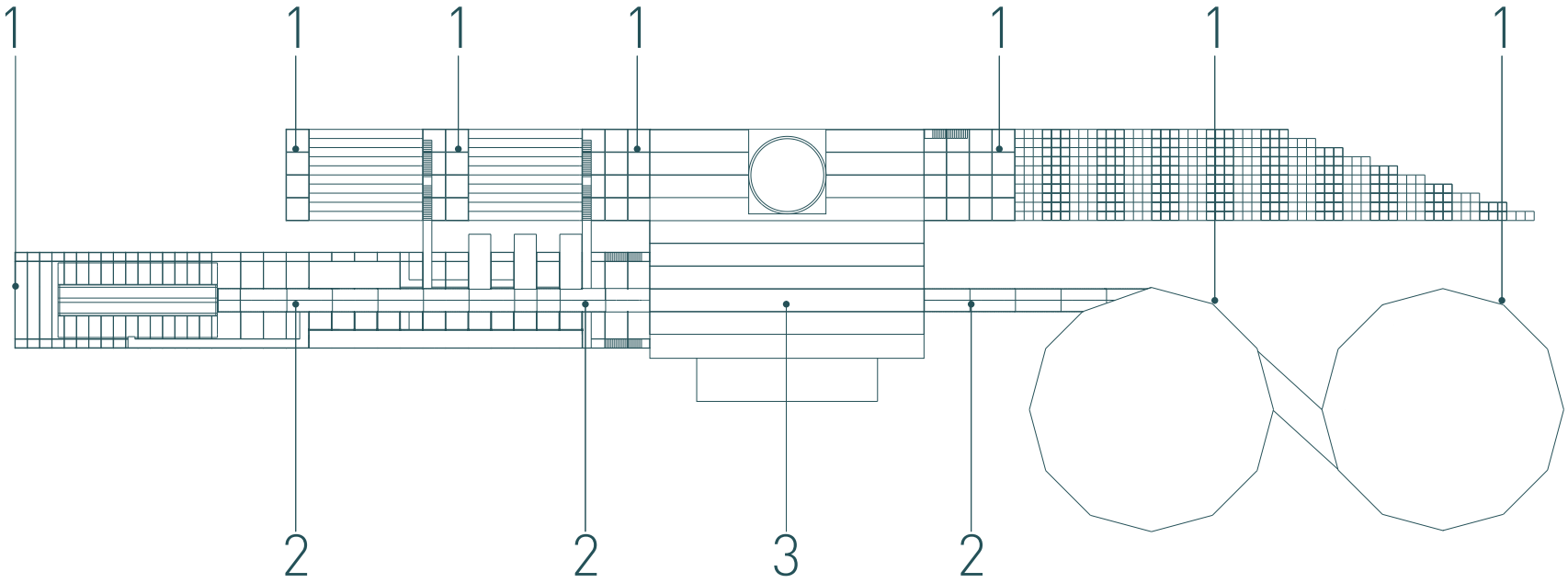


Acoustic Treatment

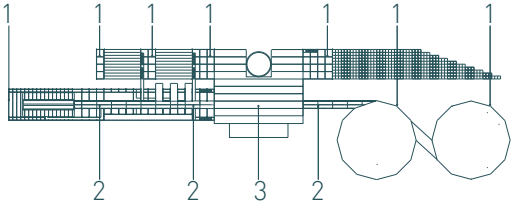
# Treatment of Industrial Leftovers

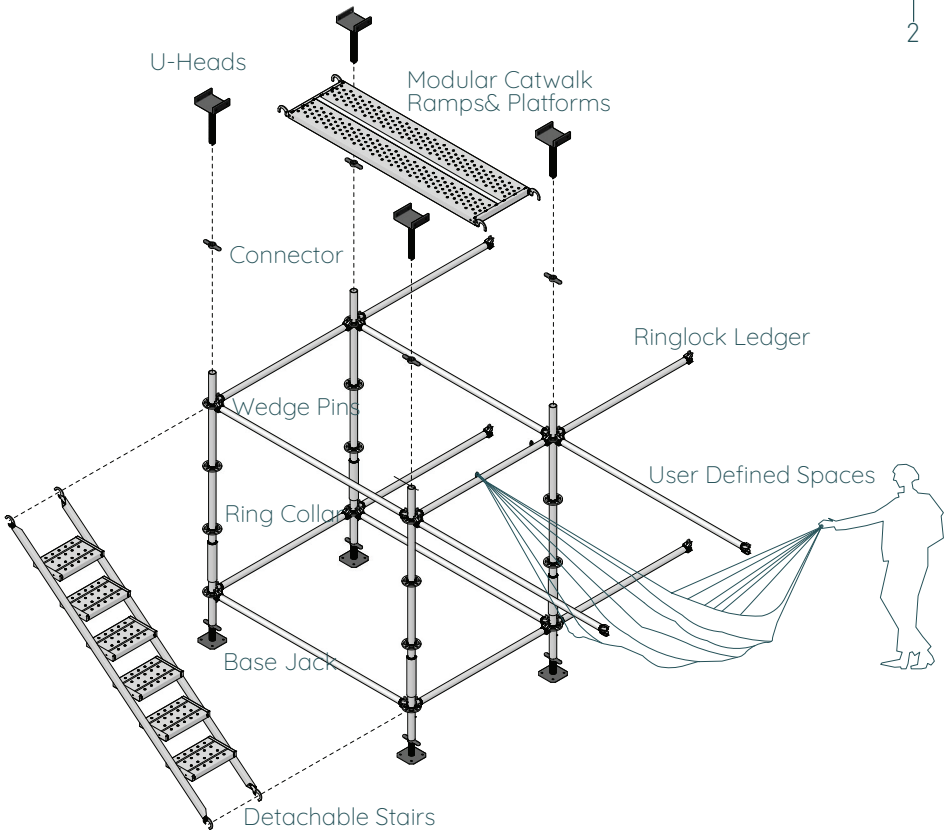


# How to Build? Toolkit (3 Types)

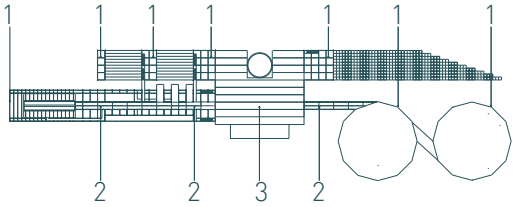


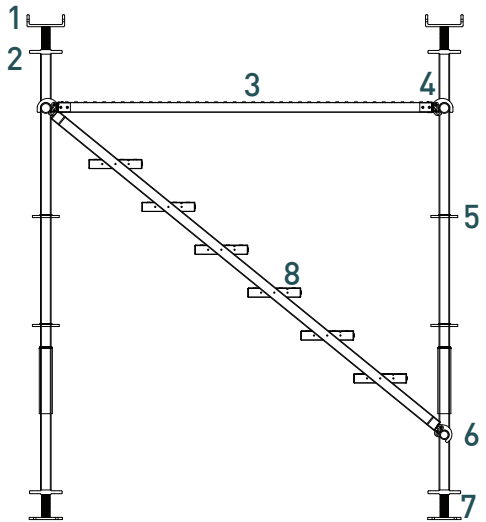
# Type 1 Simple Scaffolding

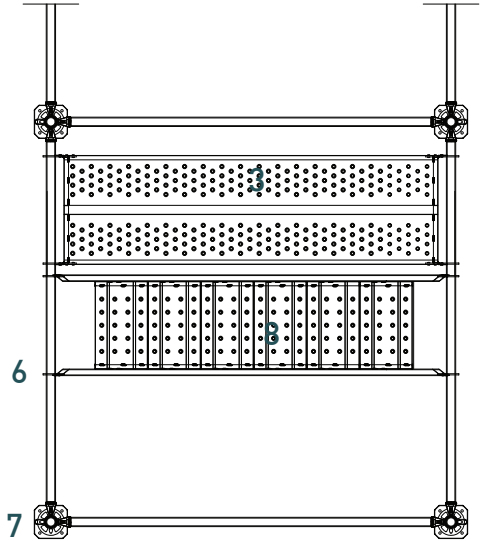


# Type 1 Simple Scaffolding



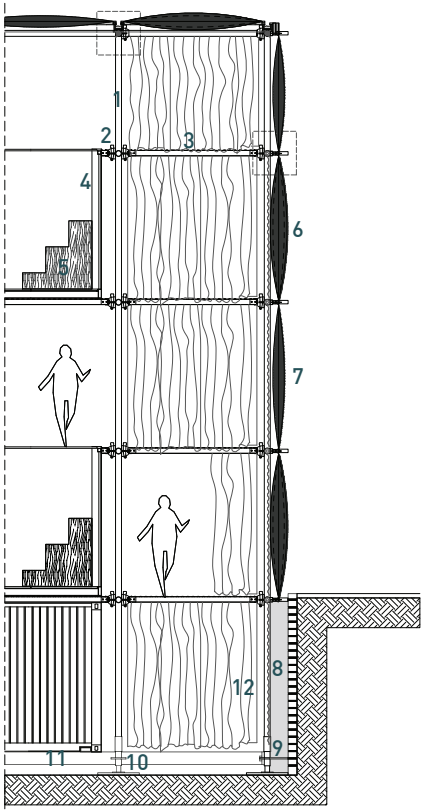



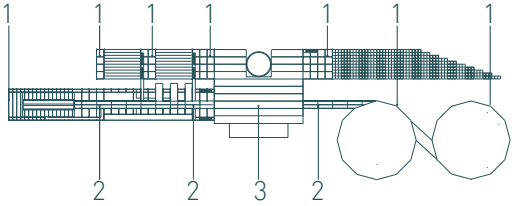

1 U- Heads
2 Scaffolding Connectors
3 Perforated Modular Catwalk Platforms
4 Wedge Pins

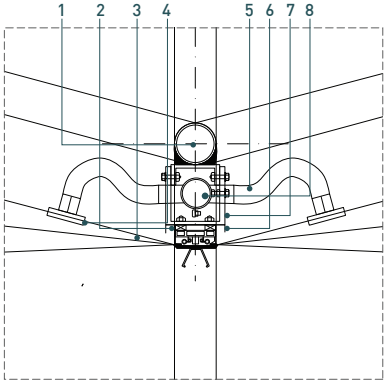
5 Ring Collars
6 Ringlock Ledger
7 Base Jack
8 Detachable Stairs

# Type 1 Simple Scaffolding



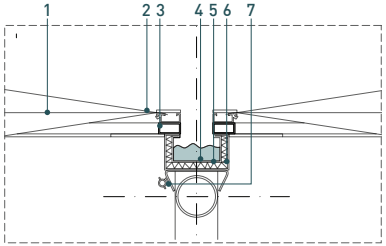

1 Steel Tube Scaffolding
2 Scaffolding Connectors
3 Perforated Modular Catwalk Platforms
4 Container Seating Modules
5 Recycled wood Steps/Seats
6 Three-Layered ETFE Cushion Fully Inflated
7 Three-Layered ETFE Cushion Semi - Inflated
8 Retaining Wall
9 Wall Connecting Pins
10 Base Jack
11 Base Platform
12 Acoustic Curtains




1 Steel Tube Scaffolding
2 Aluminium Profile
3 Three-Layered ETFE Cushion
4 Air Inlet
5 Flexible Hose
6 Gutter for Condensation
7 Steel Member
8 Tube for Air Supply

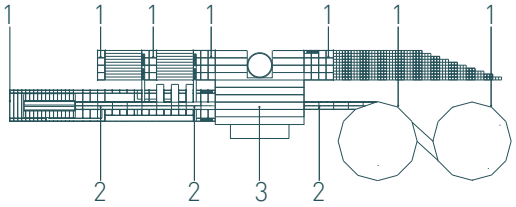
ETFE Cushion Structural Connection Detail

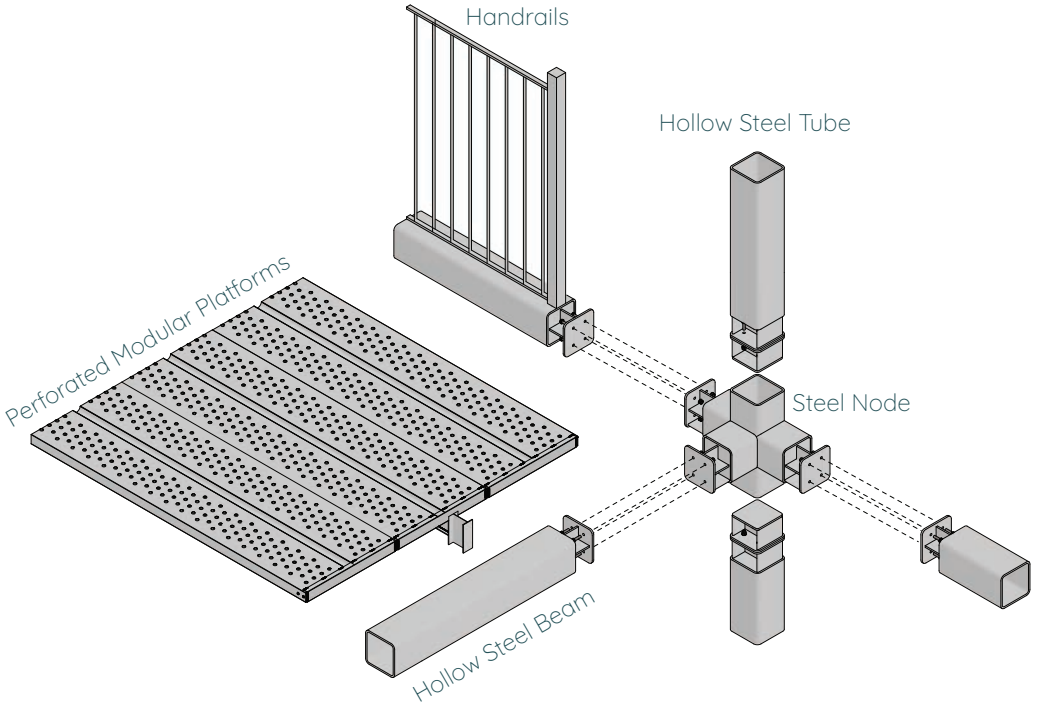


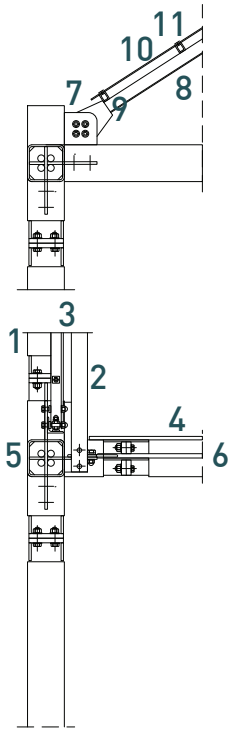

1 Three-Layered ETFE Cushion
2 Clamping Strip
3 Aluminium Frame
4 Composite Sheet Metal
5 Plastic Sheet Gutter
6 Thermal Insulation
7 High-Pressure Air Tube (operating flap)

ETFE Gutter Integration Detail

# Type 2 Hollow Steel Tubular System

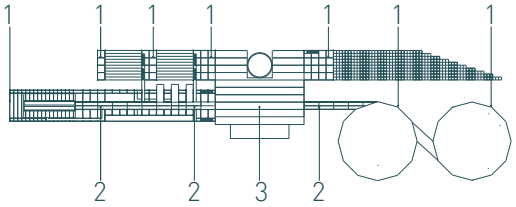


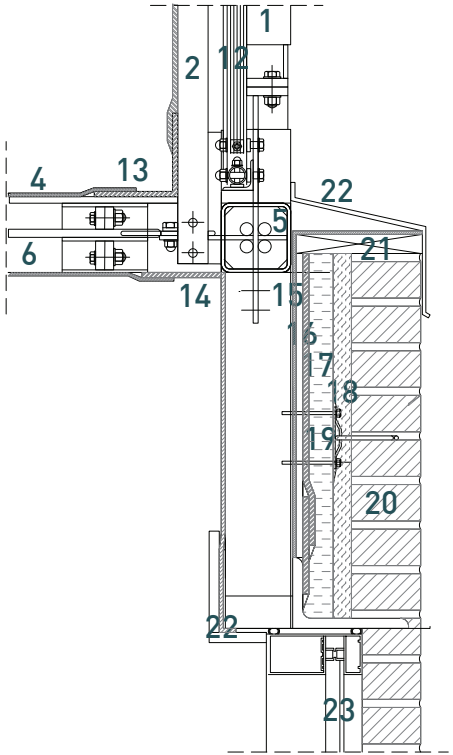




| | |
|---|---|
| 1 | 160 x 160 mm Hollow Steel Tube |
| 2 | Side Pannels |
| 3 | Handrails |
| 4 | Floor Pannels |
| 5 | Custom Steel Node for Tubes |
| 6 | 160 x 160 mm Hollow Steel Beams |
| 7 | Welded Steel Corner Plate |
| 8 | Steel Truss |
| 9 | Square Profiles |
| 10 | Polycarbonate Sheets |
| 11 | Self Drill Screws |

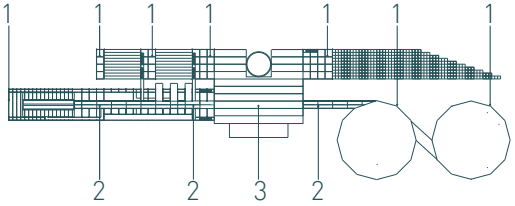
# Type 2 Hollow Steel Tubular System

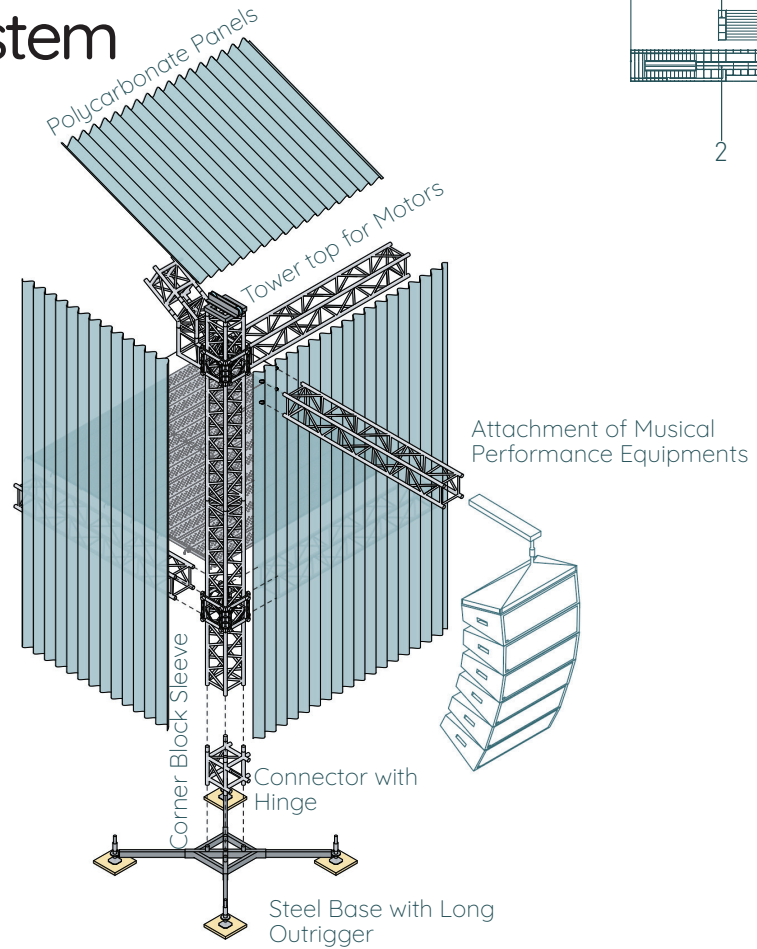


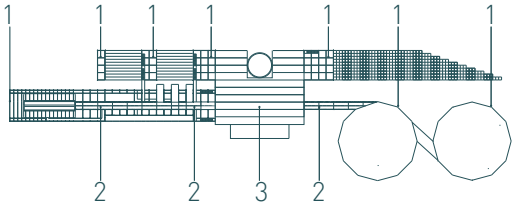

11 Self Drill Screws
12 Polycarbonate Pannel
13 Air Shield TMP
14 Interior Membrane
15 Air Shield LMP
16 Transition Membrane
17 Rigid Insulation
18 Weep Baffle
19 Masonry Anchor
20 Existing Brick Wall
21 Cap Flashing
22 Vapor Barrier
23 Aluminum Window

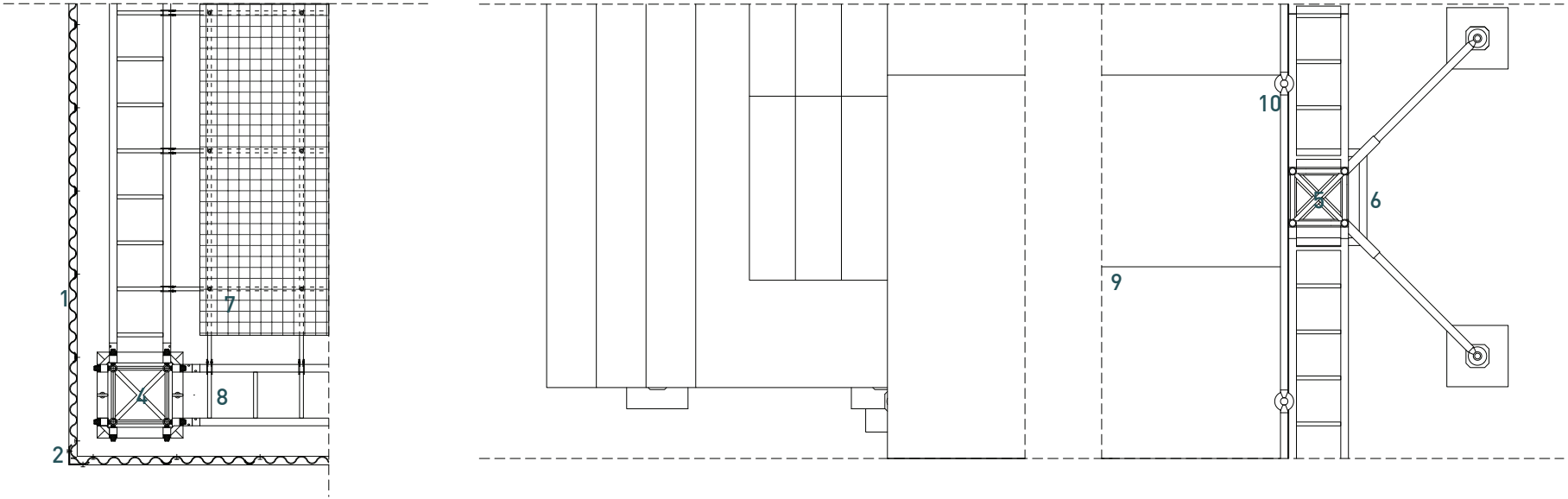
# Type 3 Stage Truss System



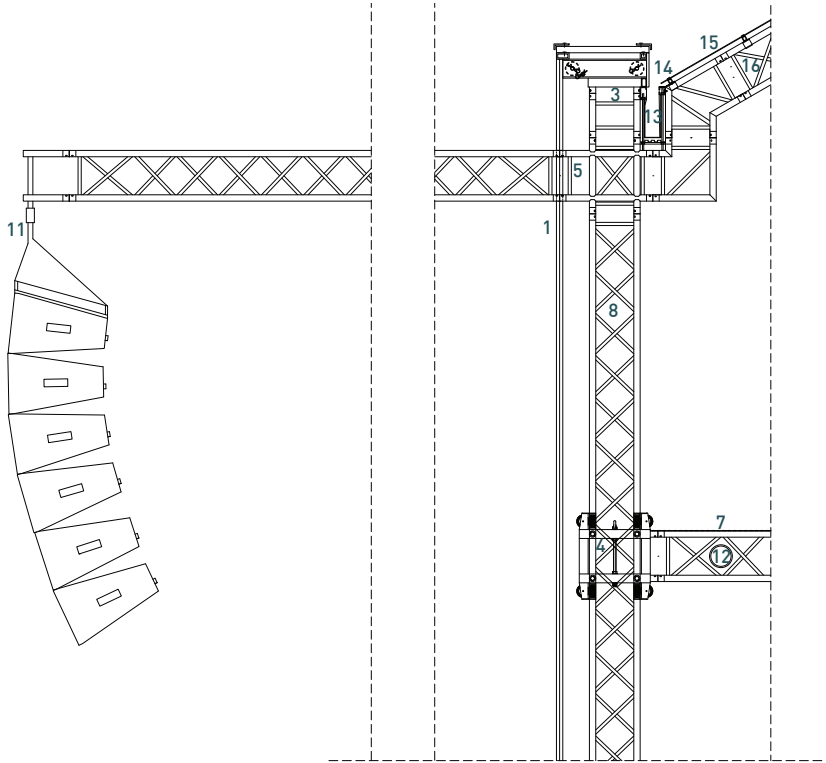
# Type 3 Stage Truss System



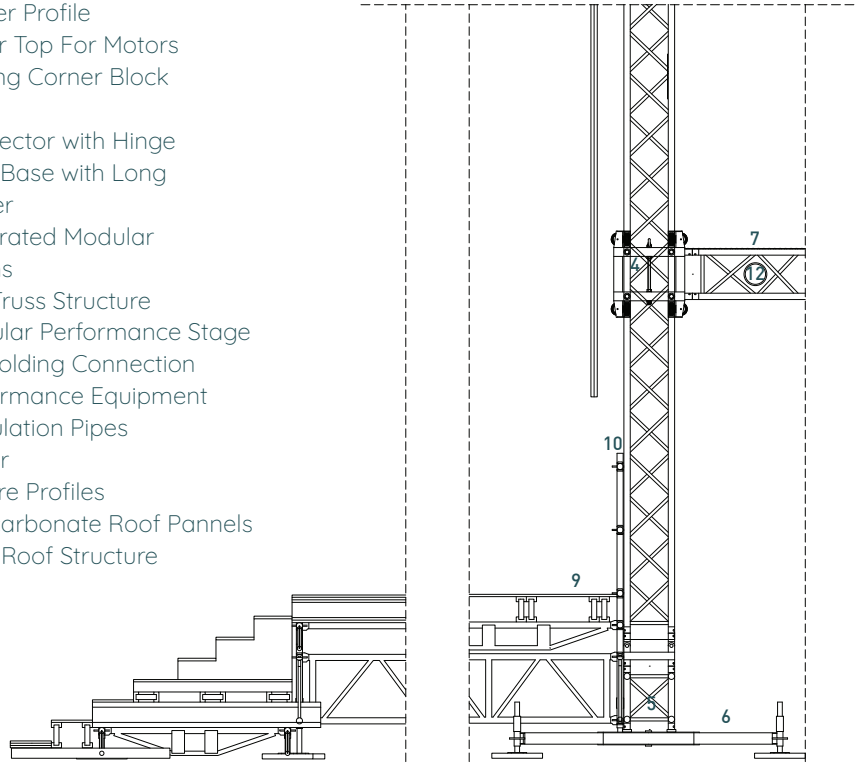




1 Polycarbonate Pannels
2 Corner Profile
3 Tower Top For Motors
4 Moving Corner Block Sleeve
5 Connector with Hinge
6 Steel Base with Long Outrigger
7 Perforated Modular Platforms
8 Box Truss Structure
9 Modular Performance Stage
10 Scaffolding Connection

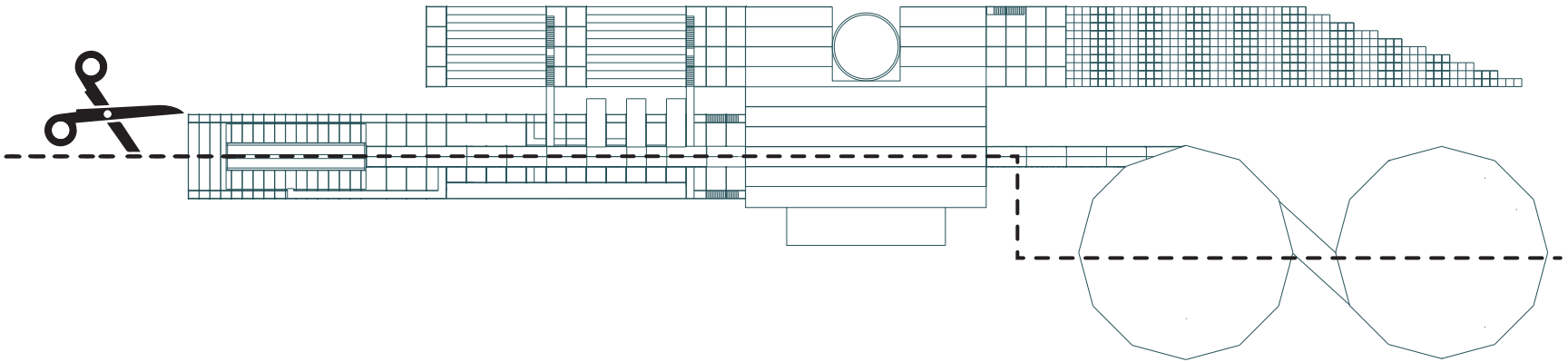
# Type 3 Facade Fragment

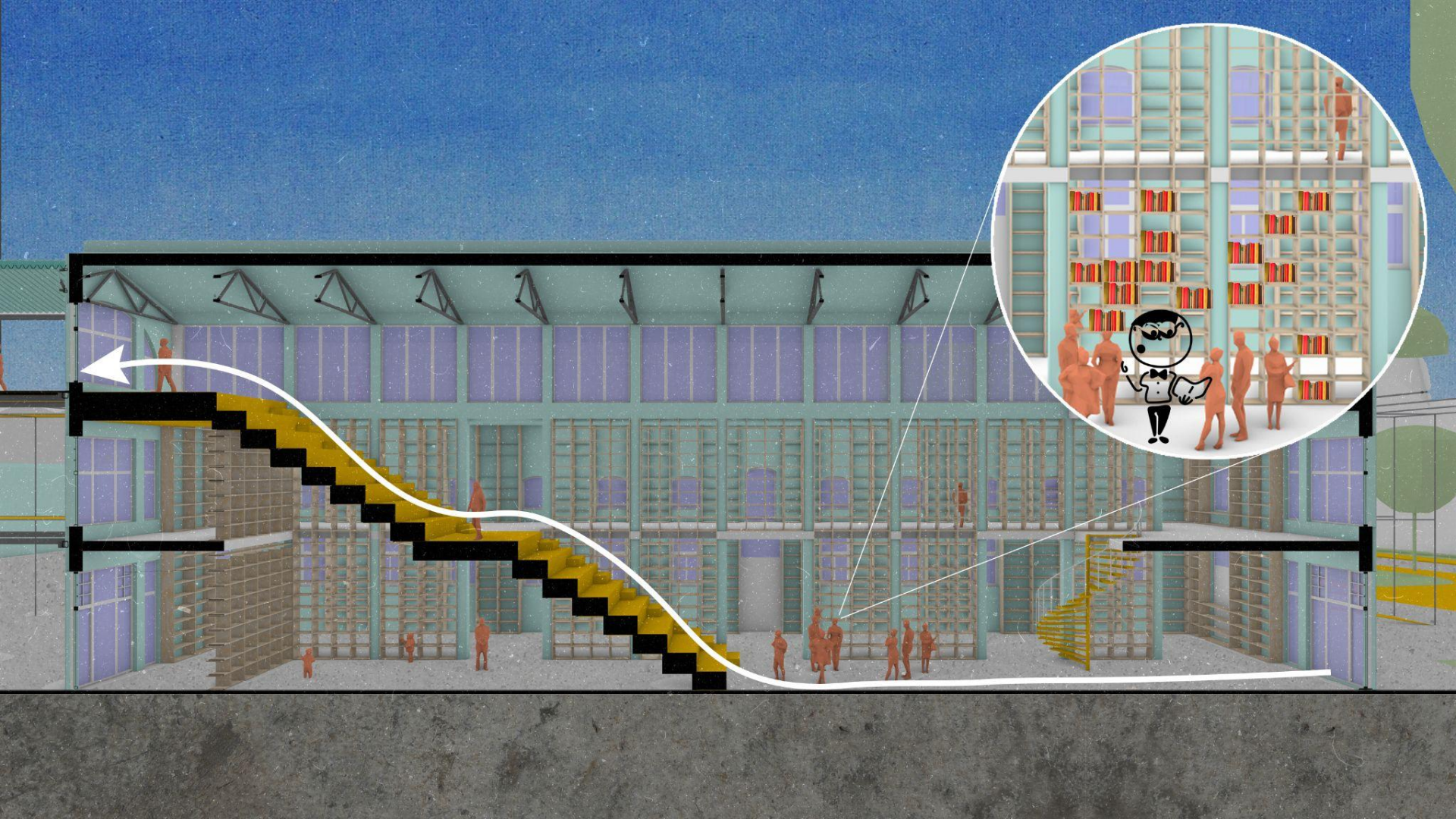


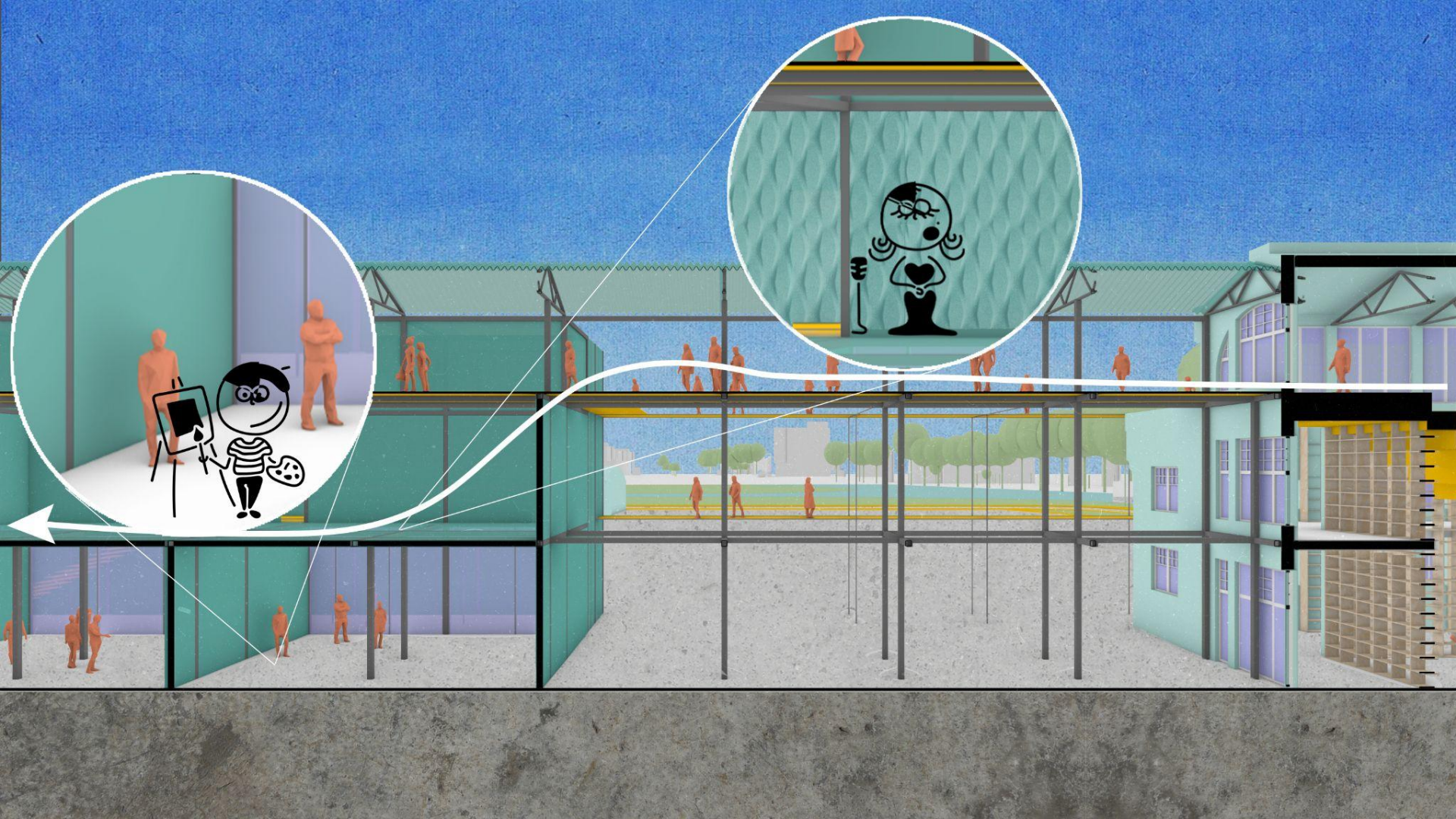

1 Polycarbonate Pannels
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8 Box Truss Structure
9 Modular Performance Stage
10 Scaffolding Connection
11 Performance Equipment
12 Circulation Pipes
13 Gutter
14 Square Profiles
15 Polycarbonate Roof Pannels
16 Pitch Roof Structure

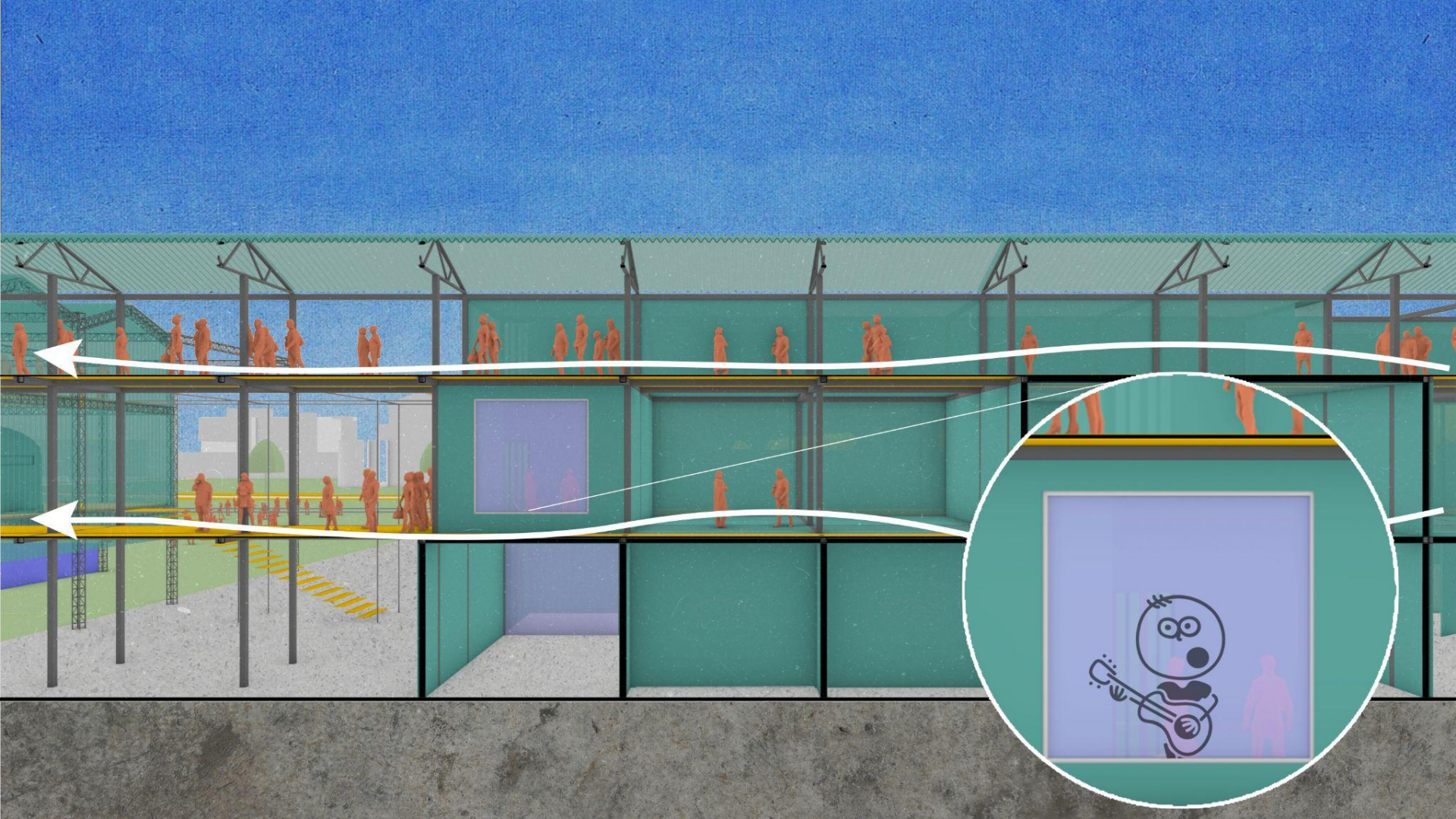


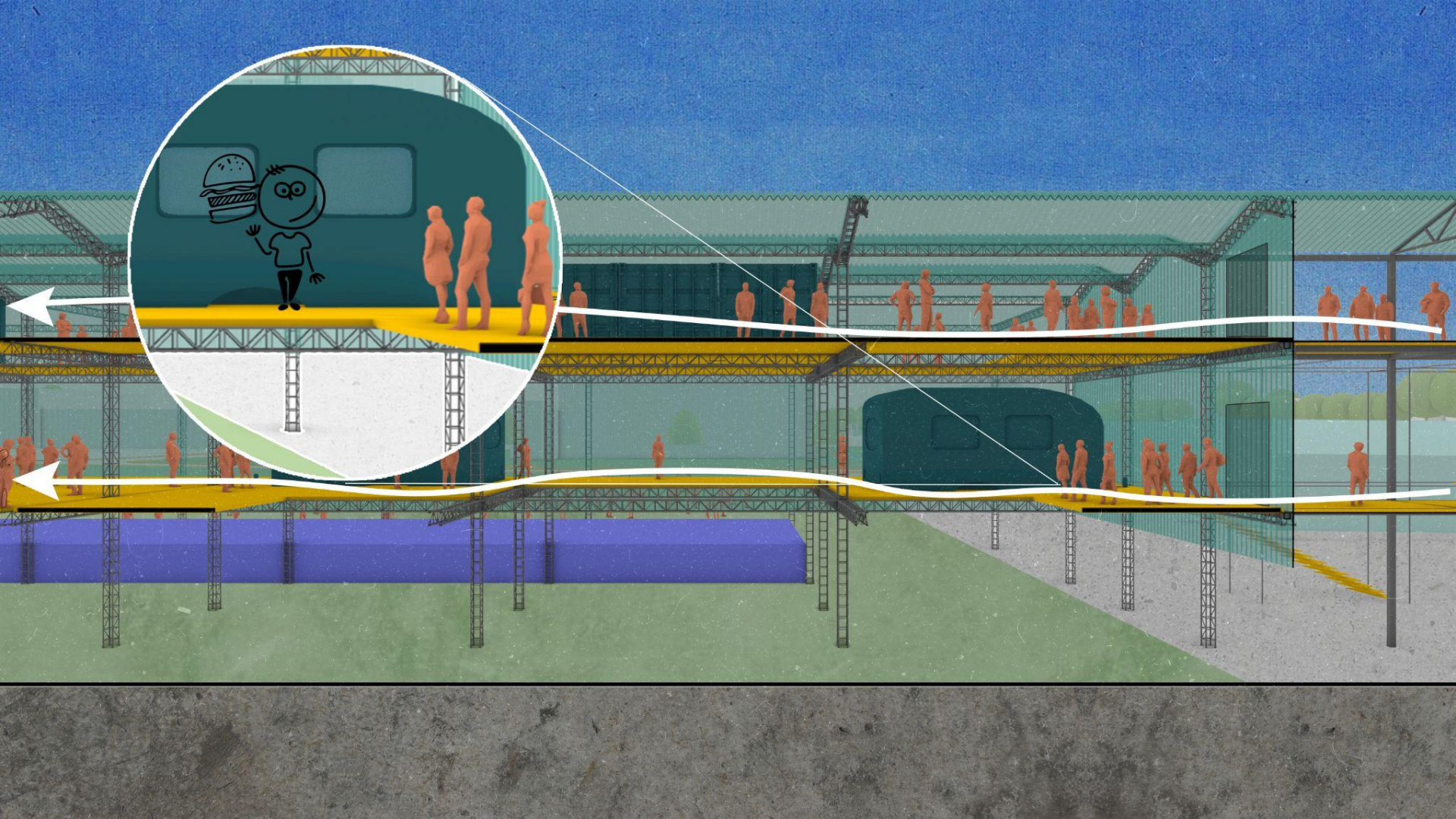
# Cut Through - Formal

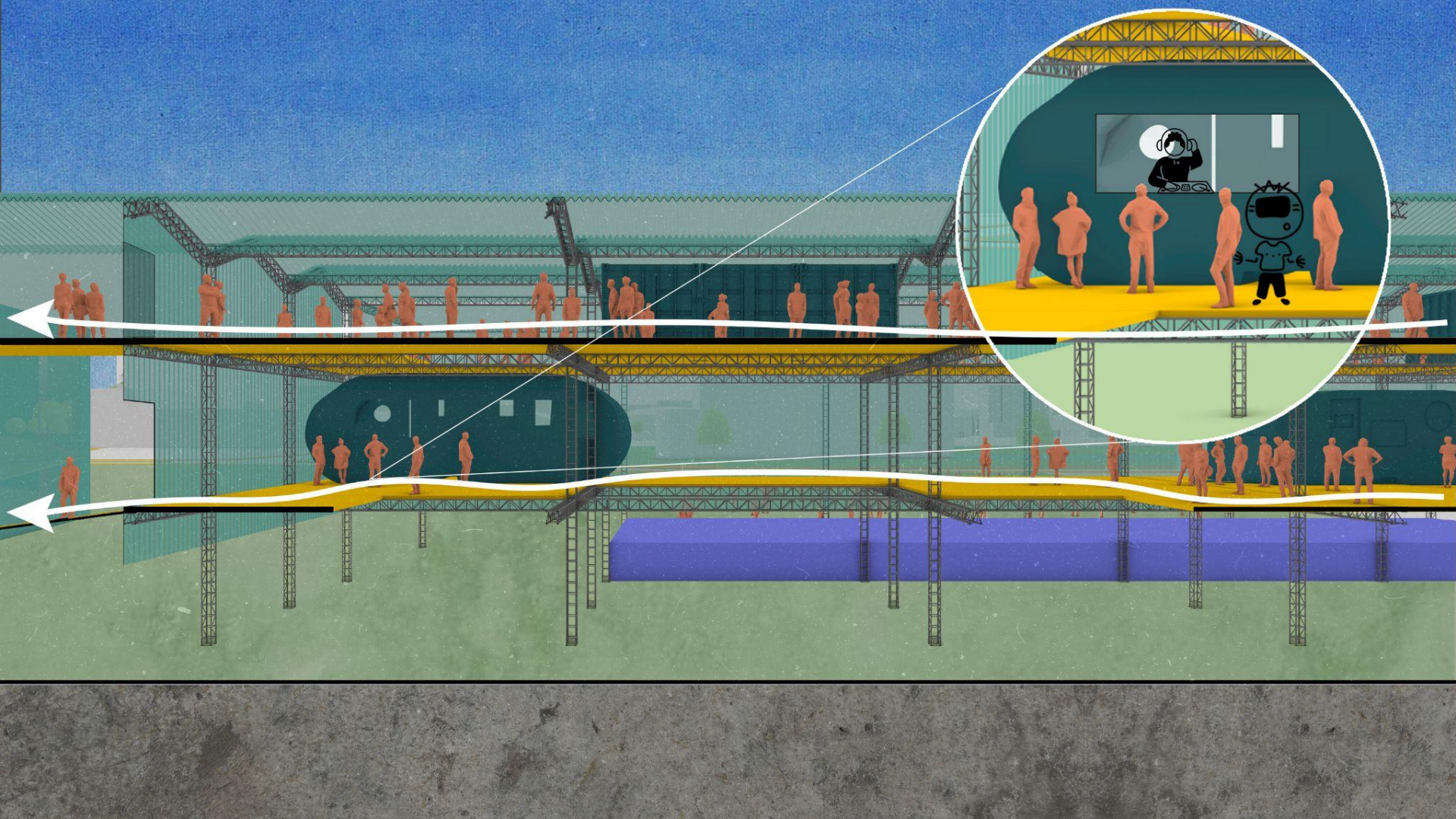


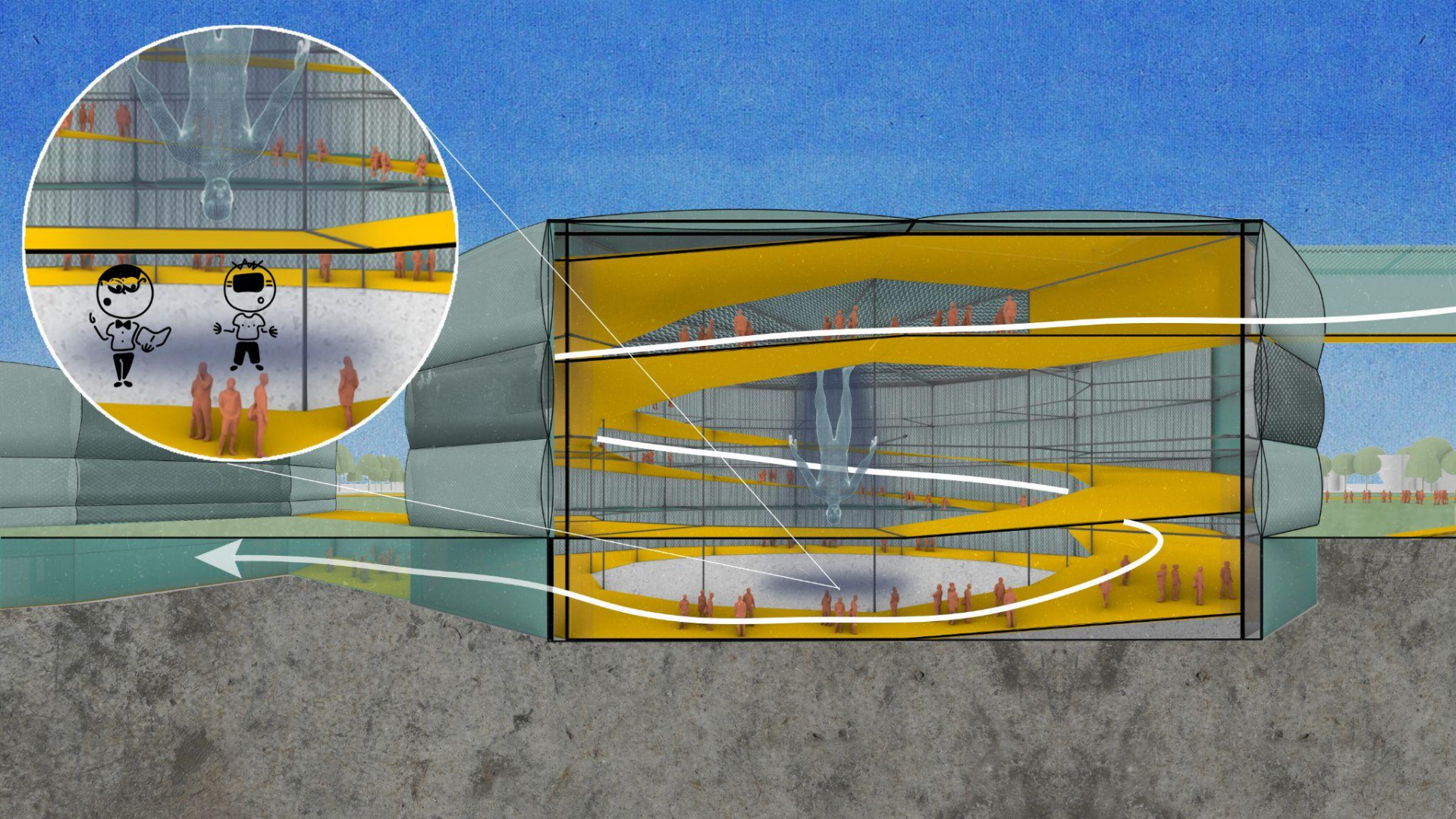


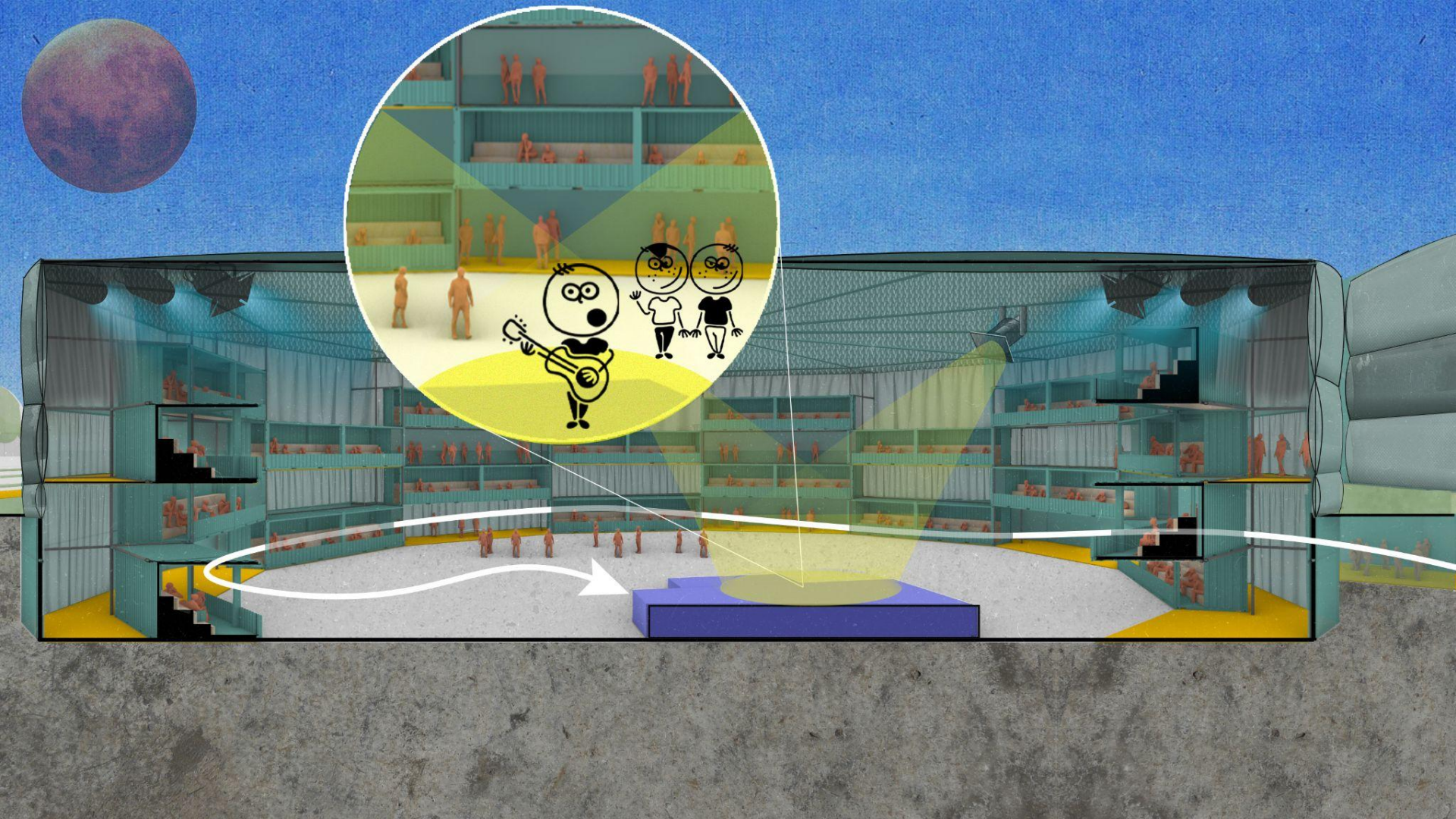




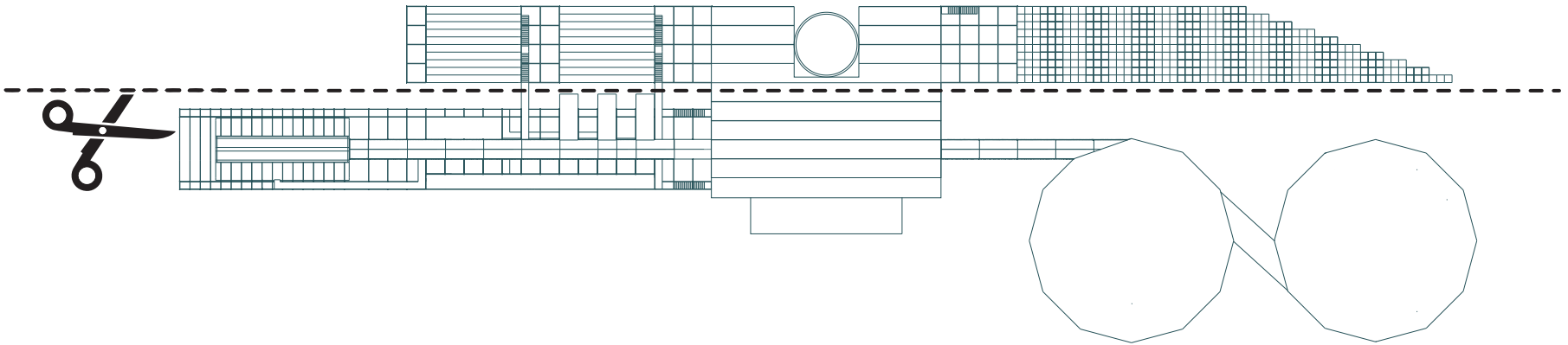


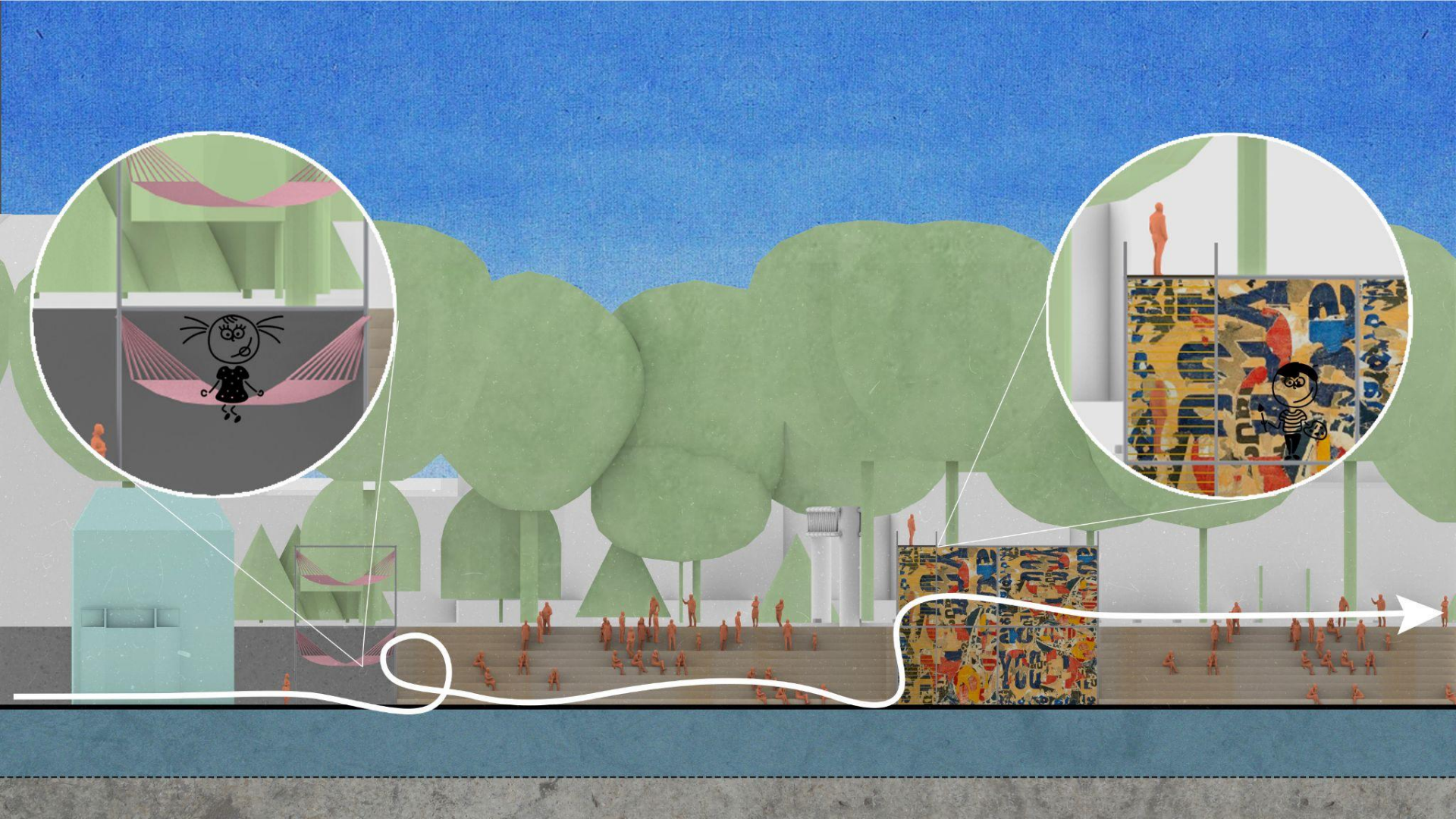


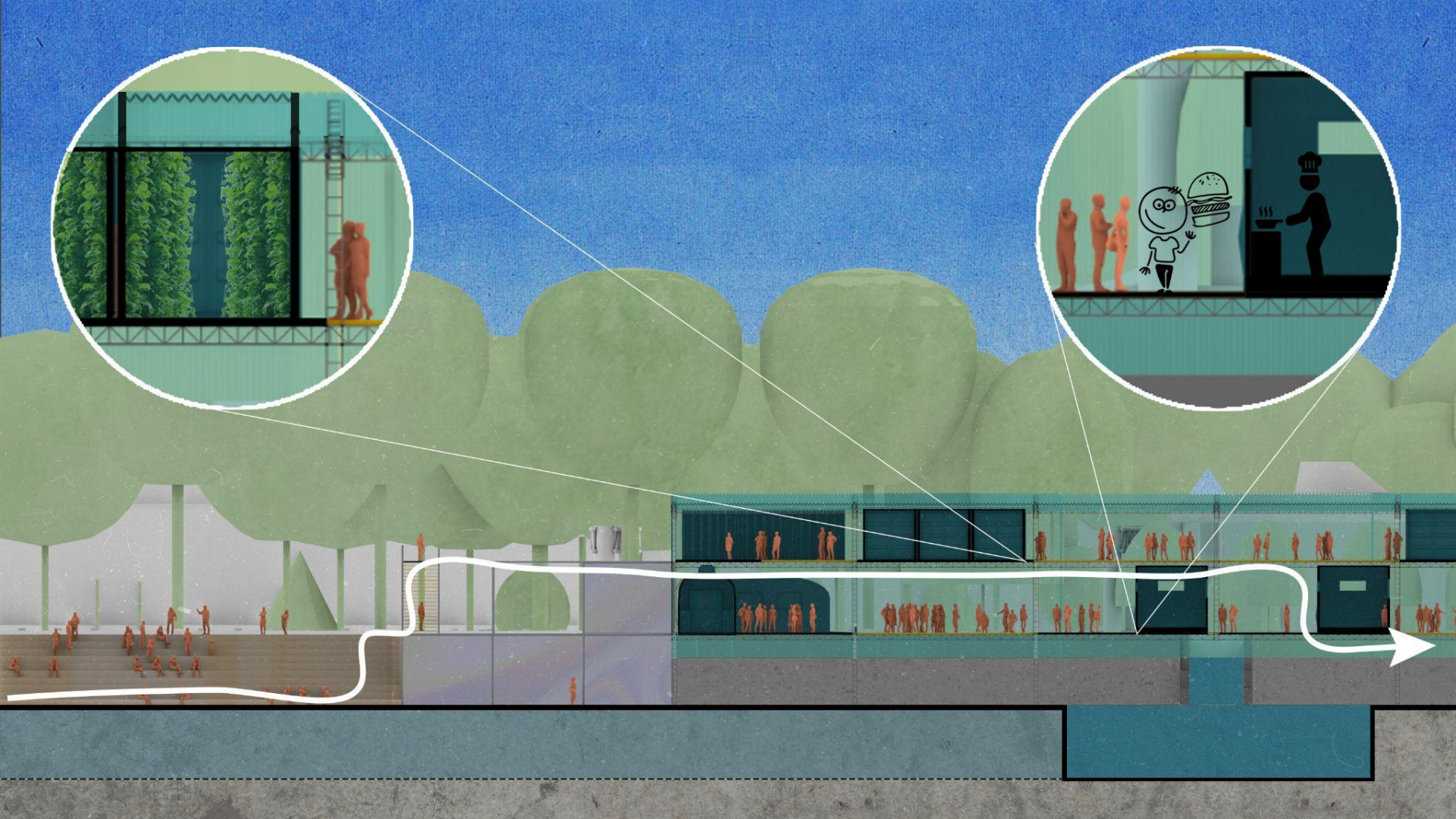


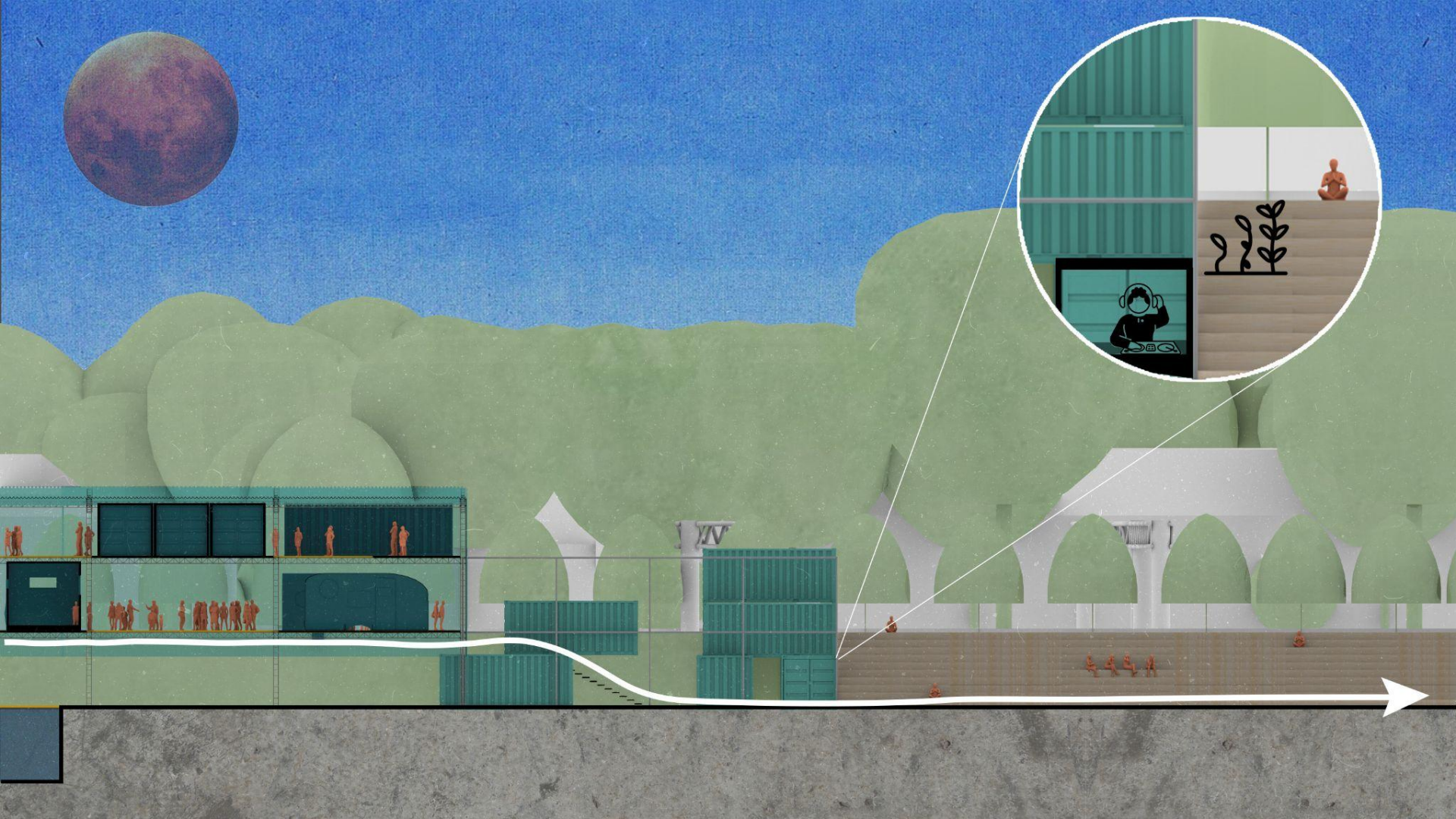


# Cut Through - Informal

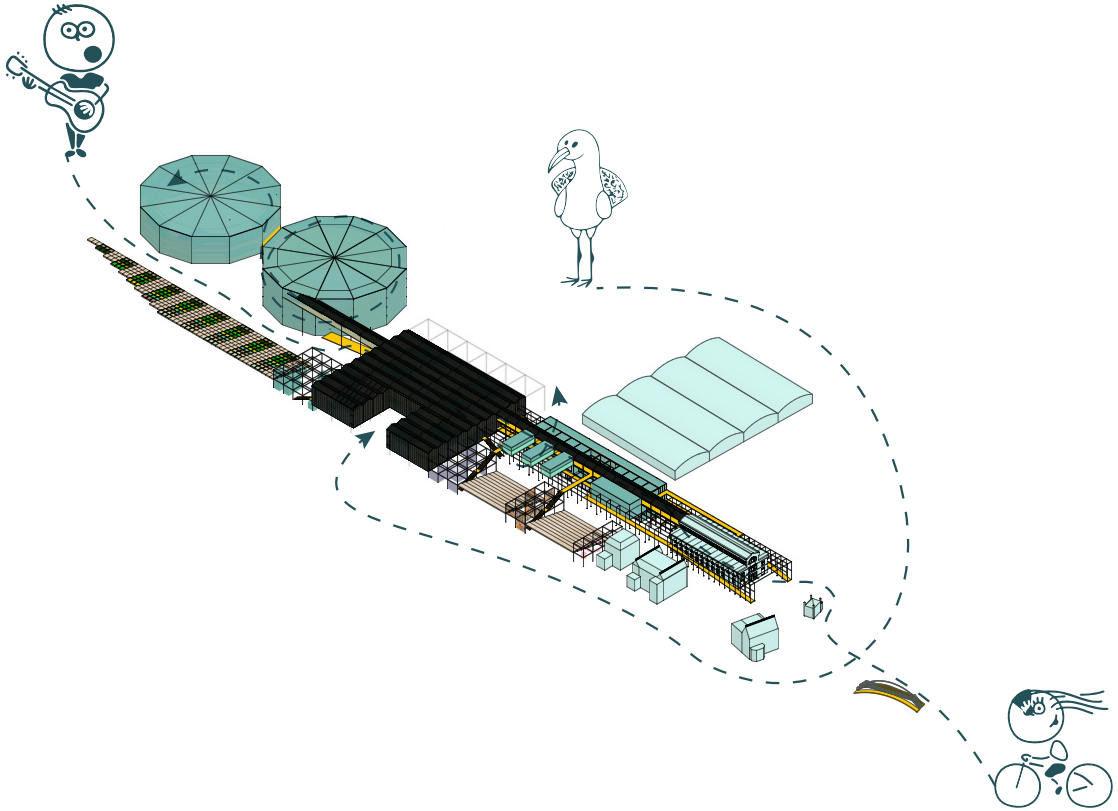




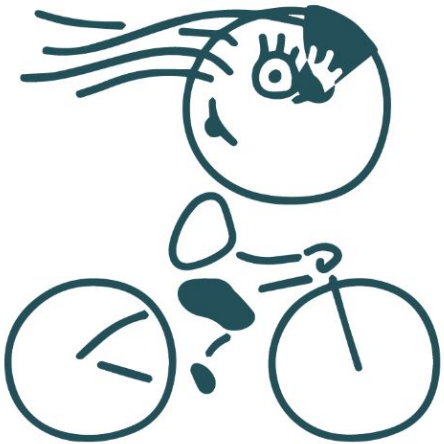




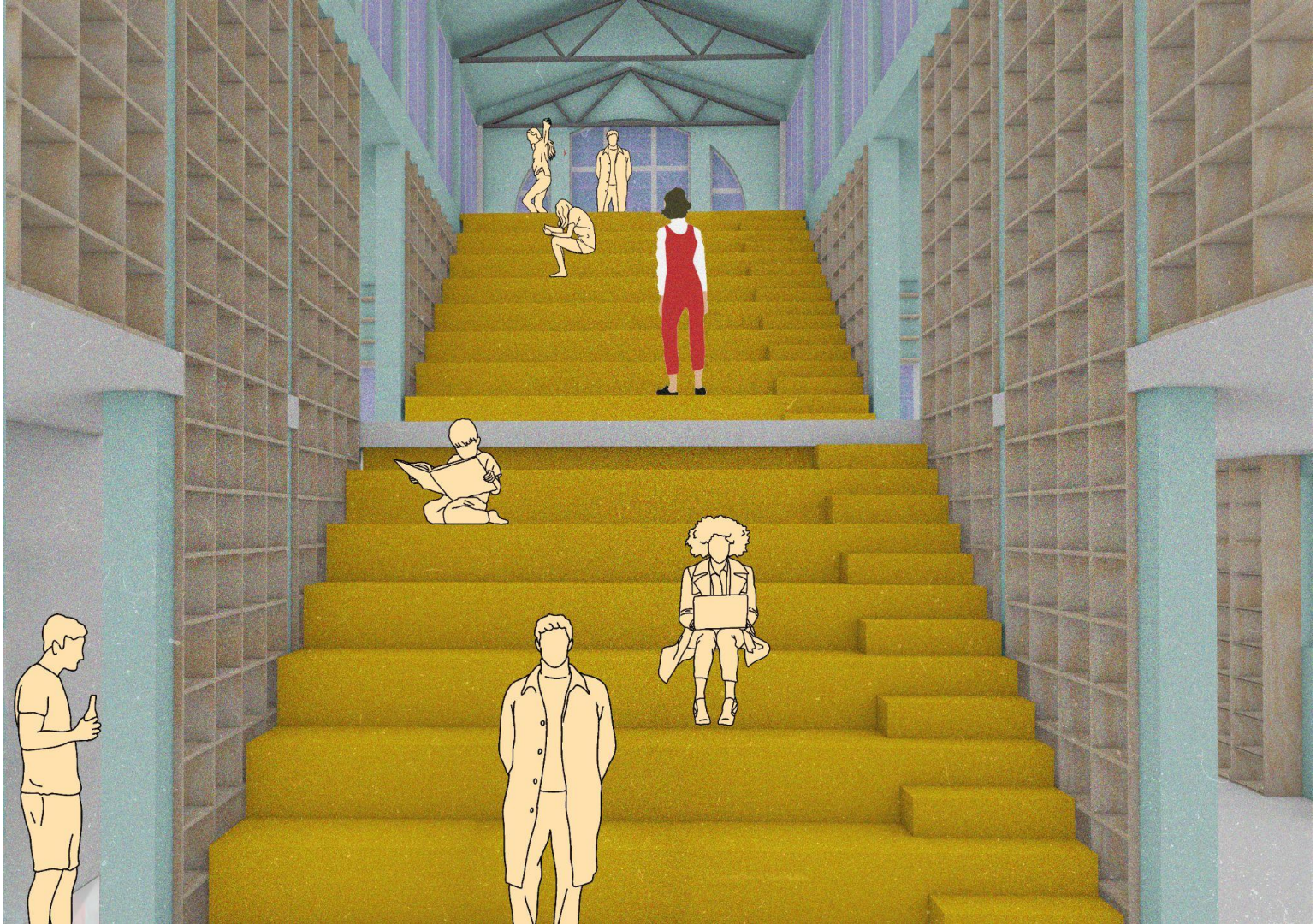
# Different Users & Routes



# Eva the Music Enthusiast

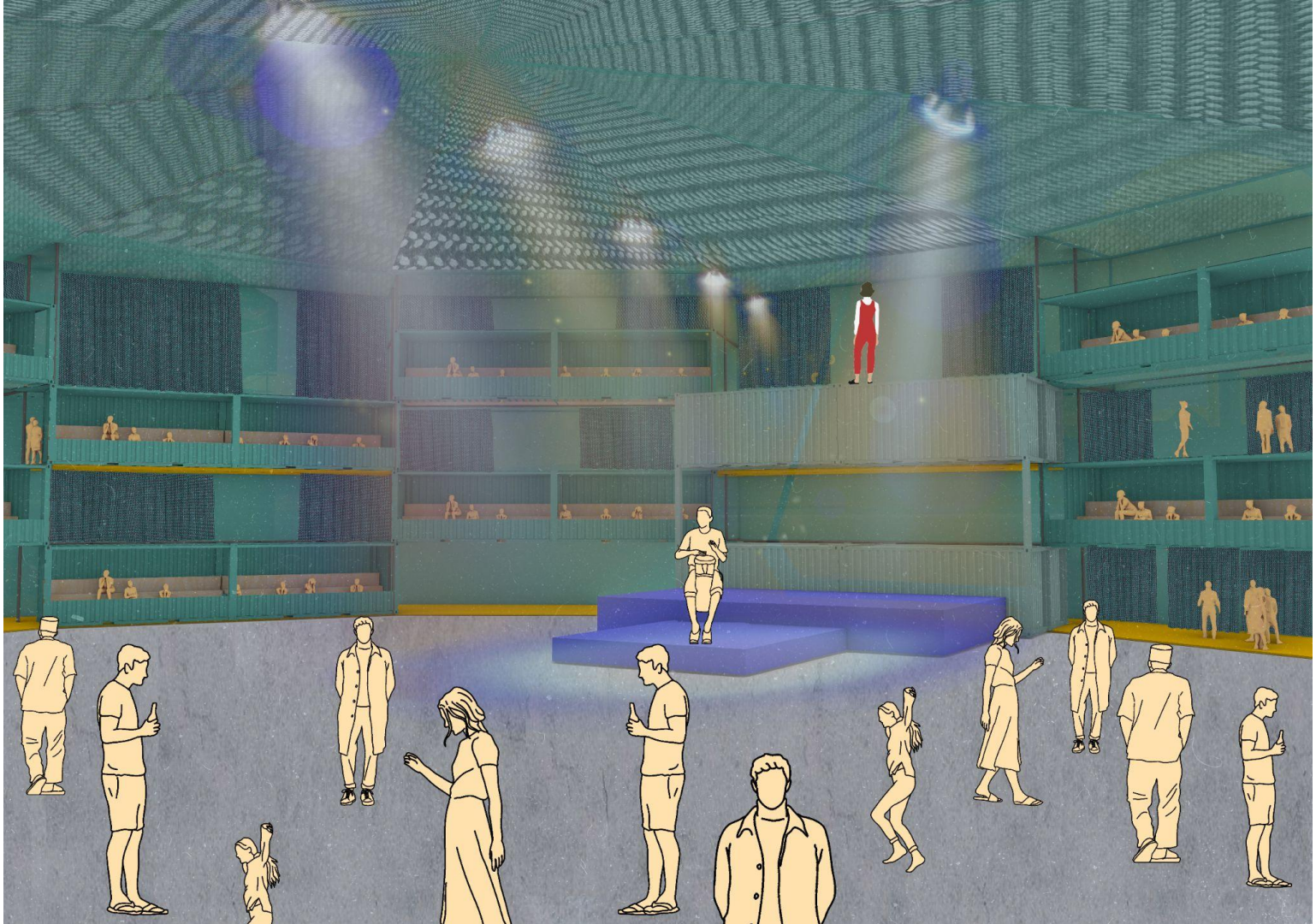



WELCOME
BOX
OFFICE









# Evan the Street Artist





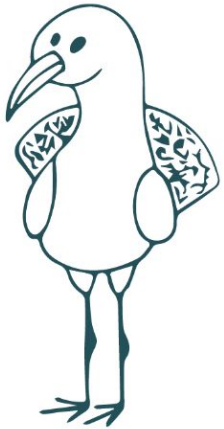


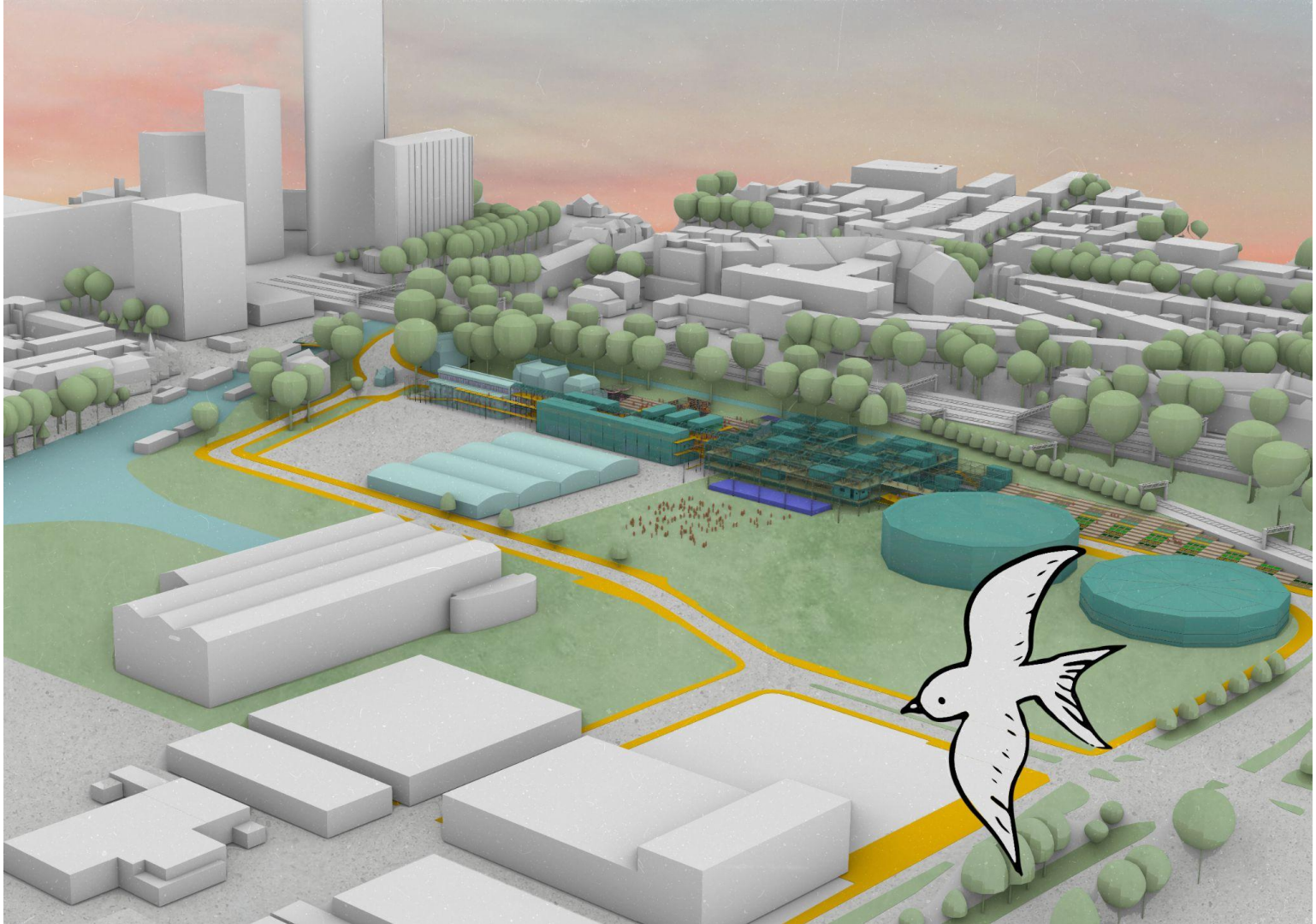


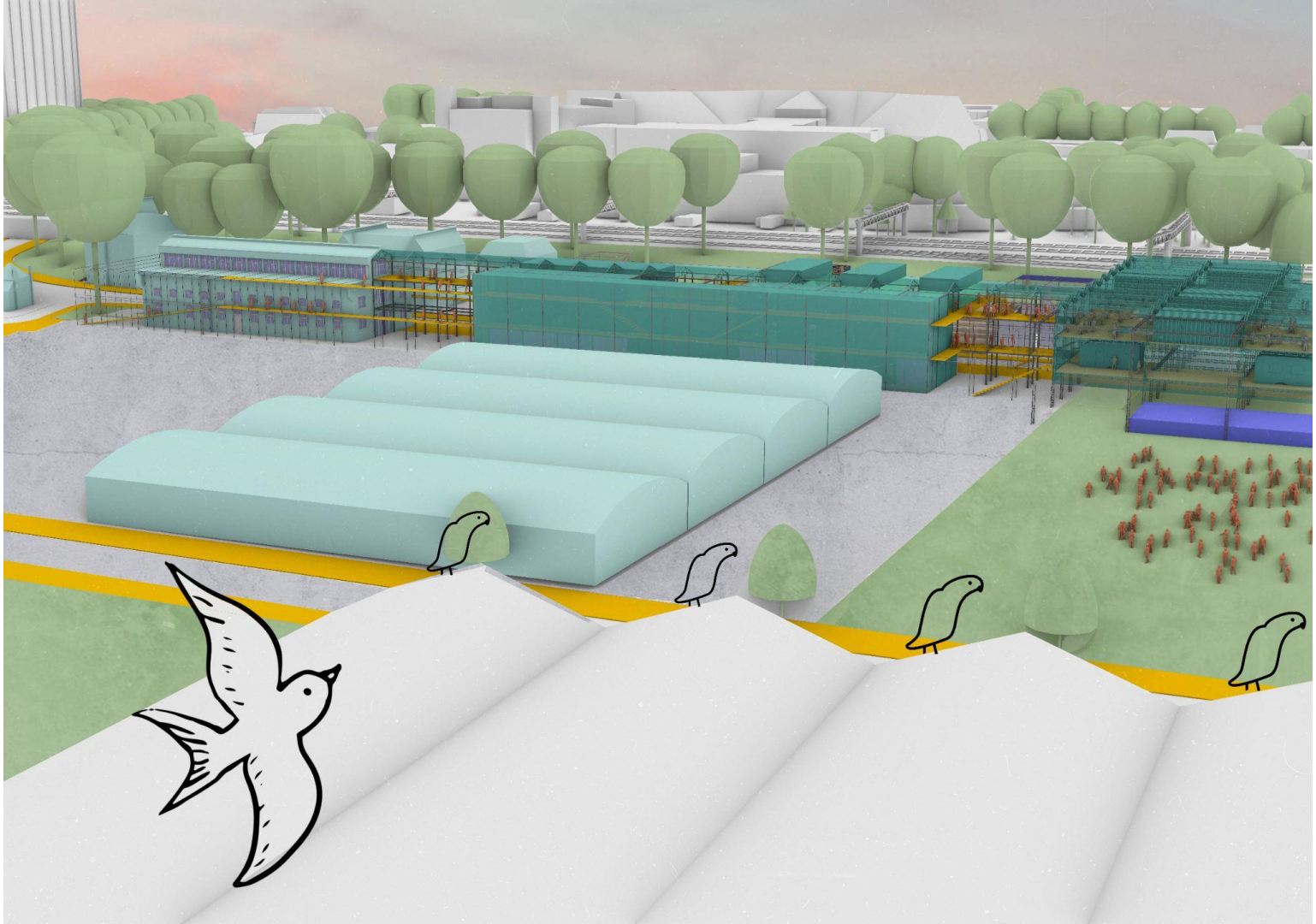


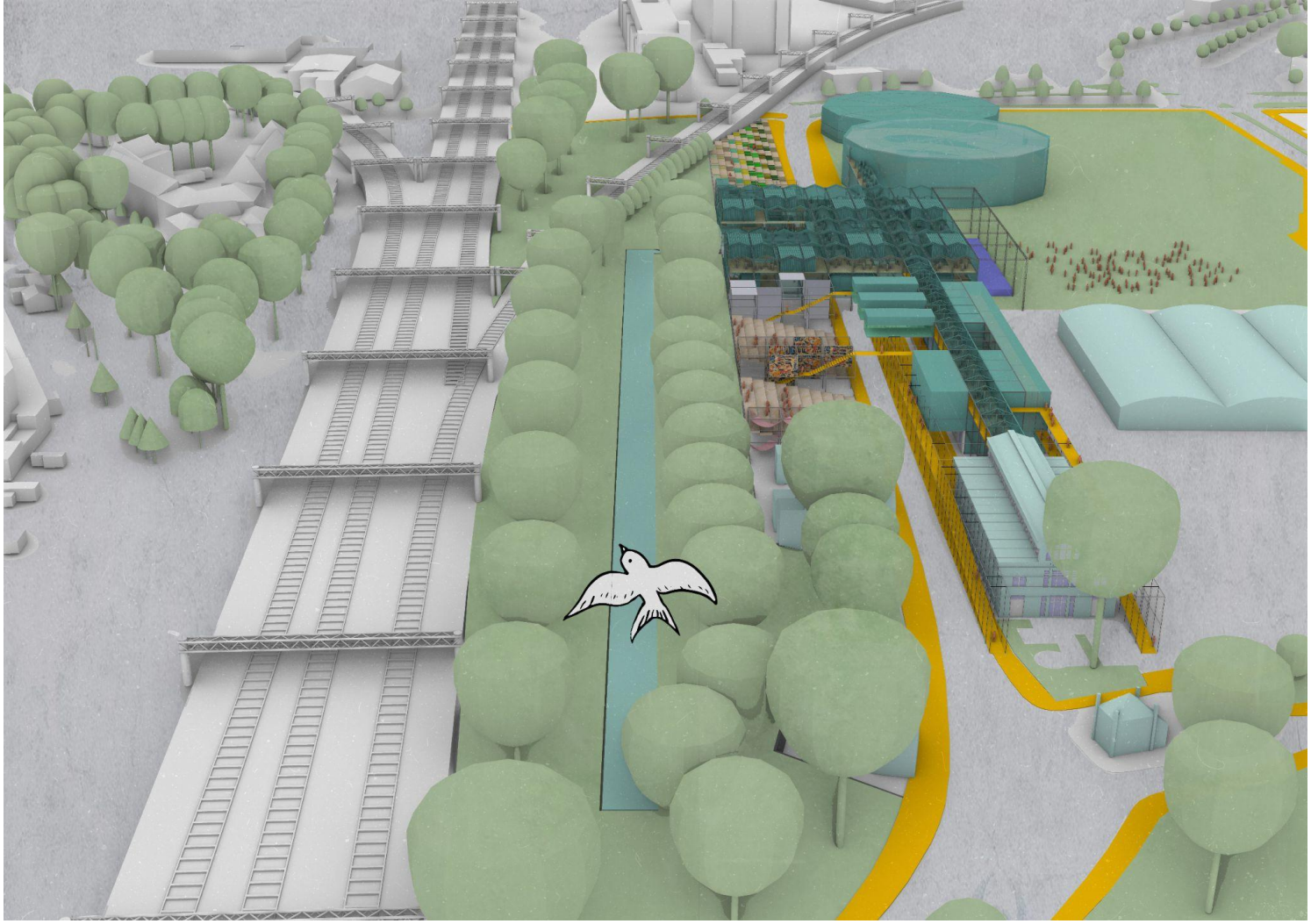

BINCKFEST

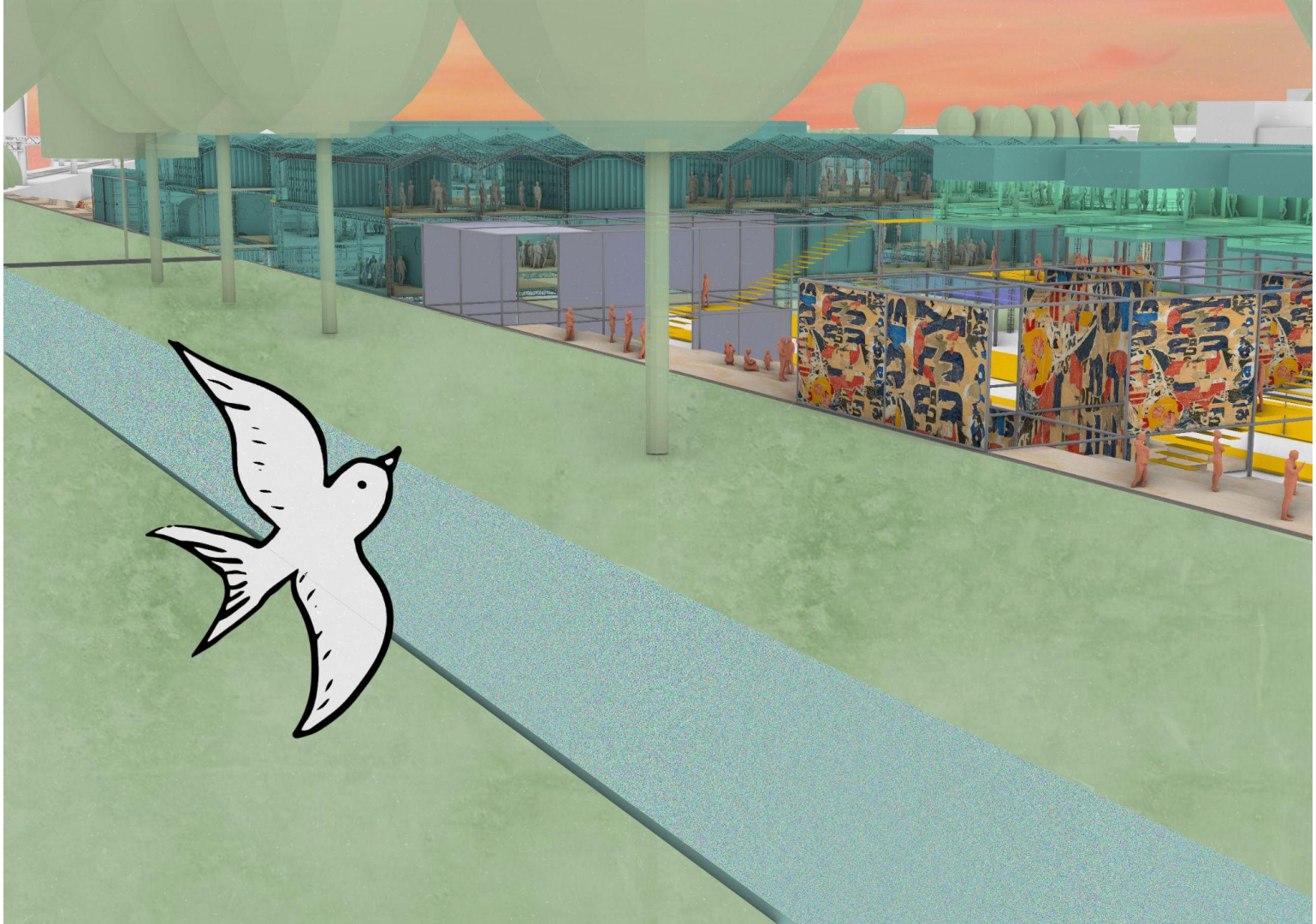
# Birdy the Bird



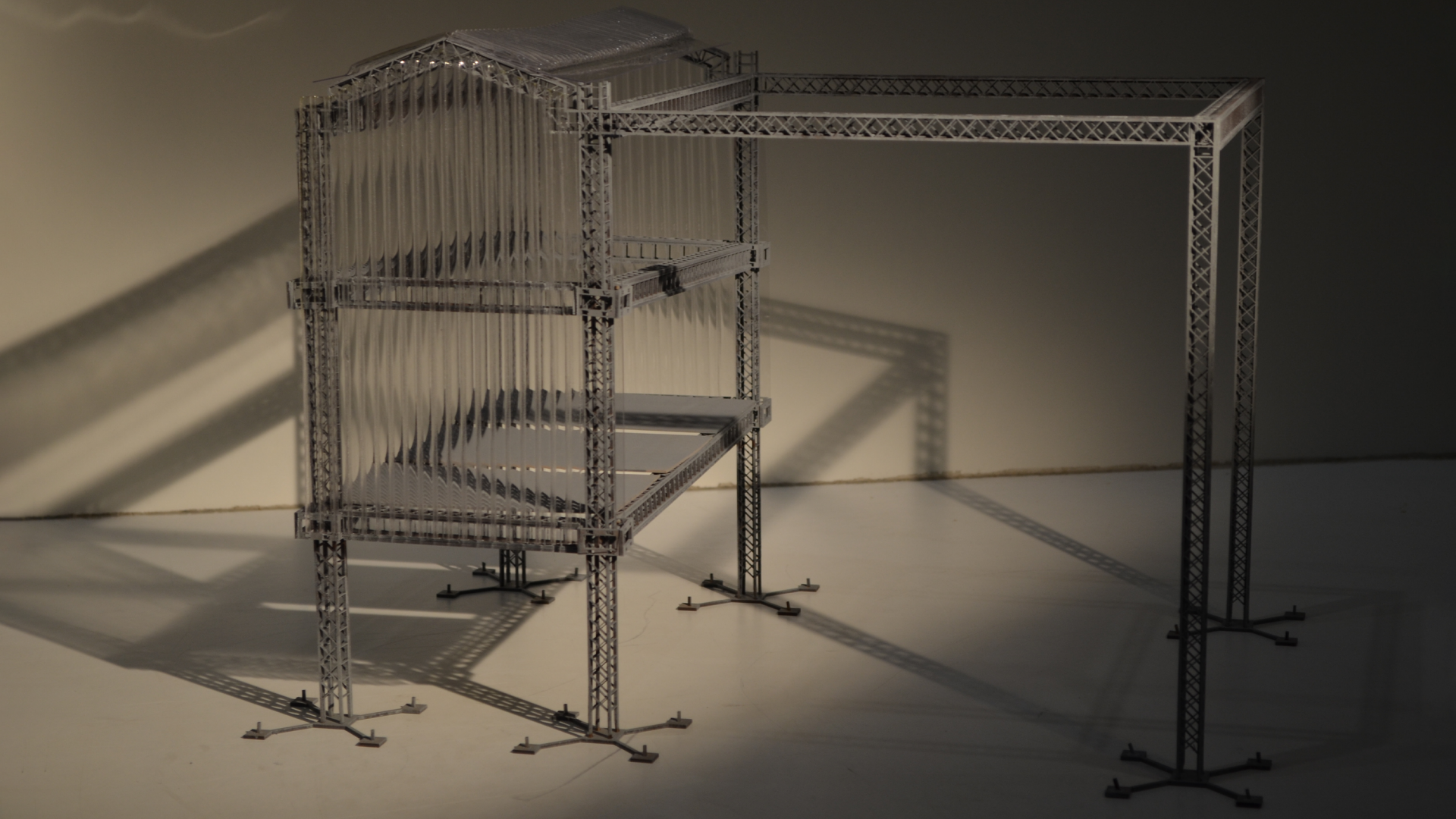




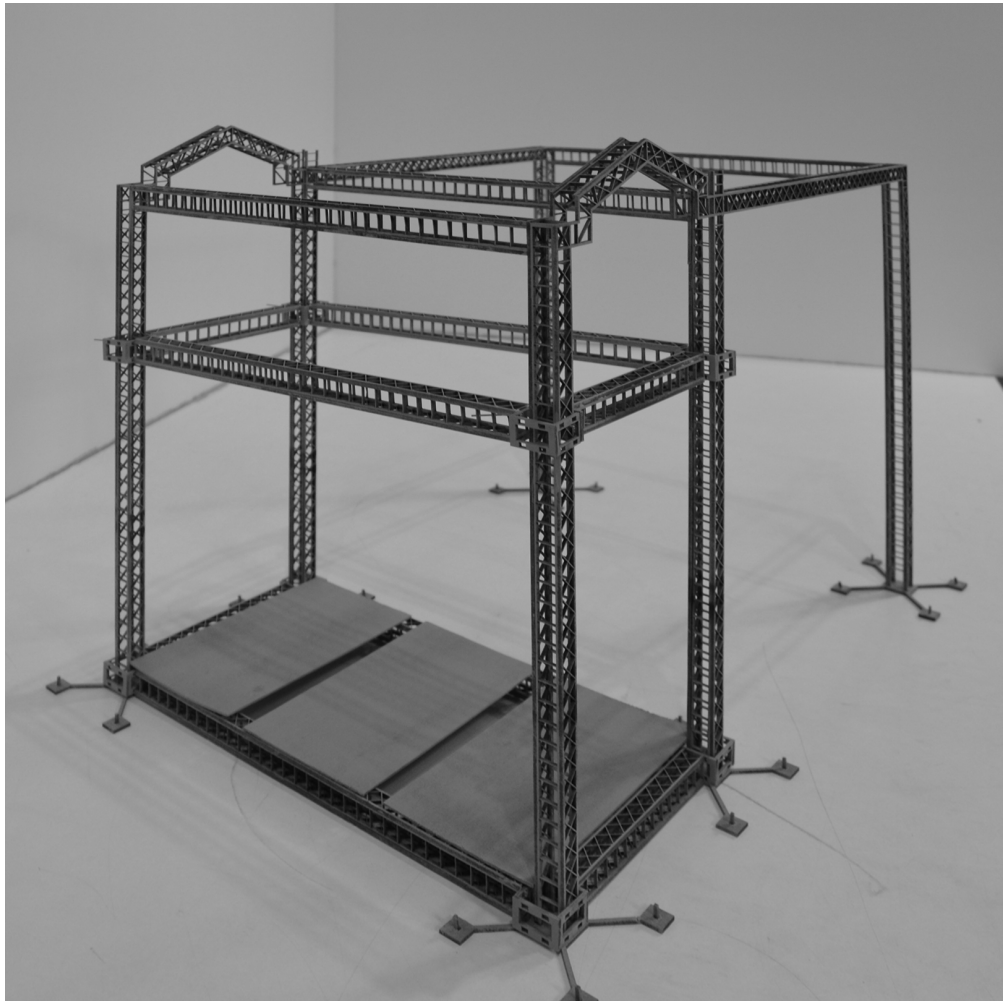






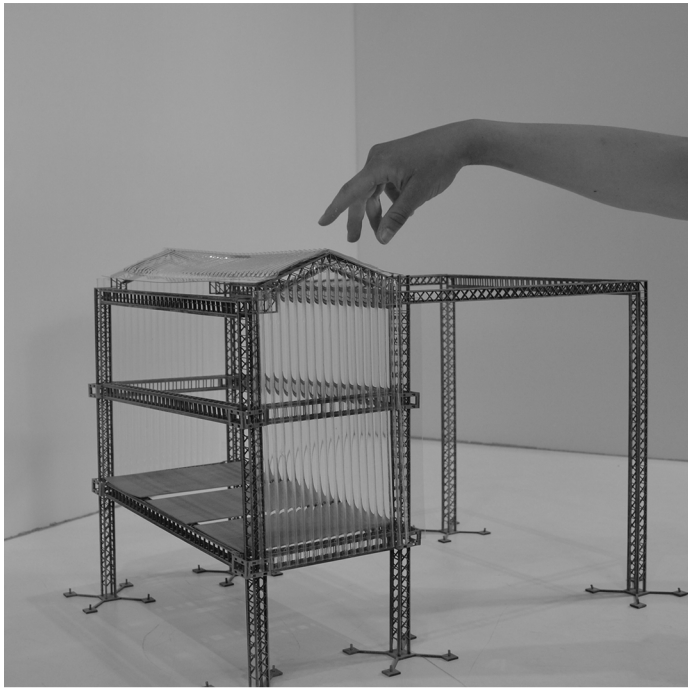












Thank You