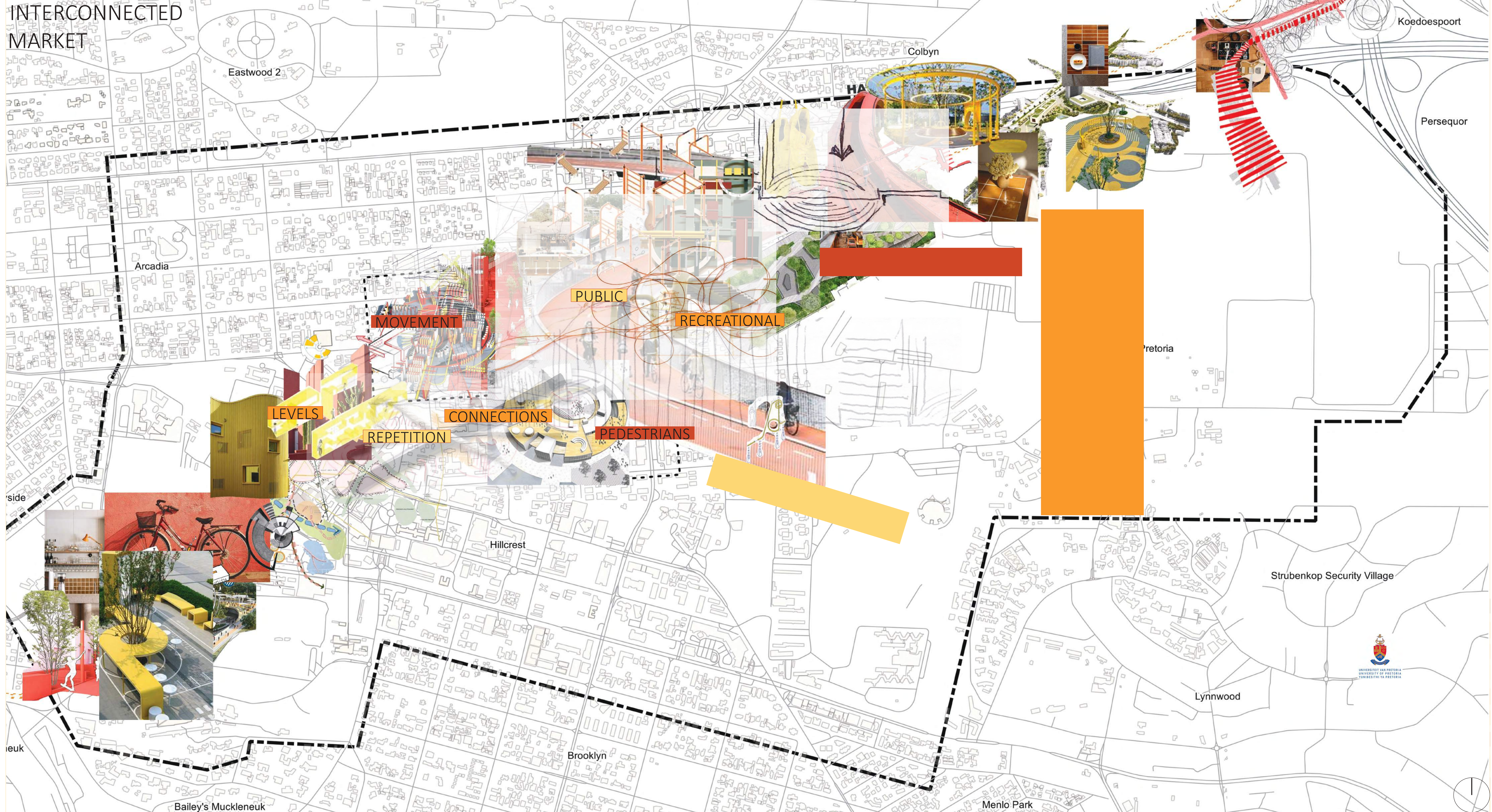


INTERCONNECTED MARKET



Eastwood 2

Colbyn

Koedoespoort

Persequor

Arcadia

PUBLIC

RECREATIONAL

MOVEMENT

LEVELS

CONNECTIONS

REPETITION

PEDESTRIANS

Pretoria

Hillcrest

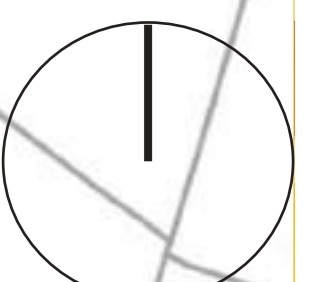
Strubenkop Security Village

Lynnwood

Bailey's Muckleneuk

Brooklyn

Menlo Park



DAY VS EVENING ON BRIDGE



PROBLEMS

TRAFFIC

CONNECTIONS

WEALTHY

PRIORITY

POPULATION

ACTIVITY

CONGESTION

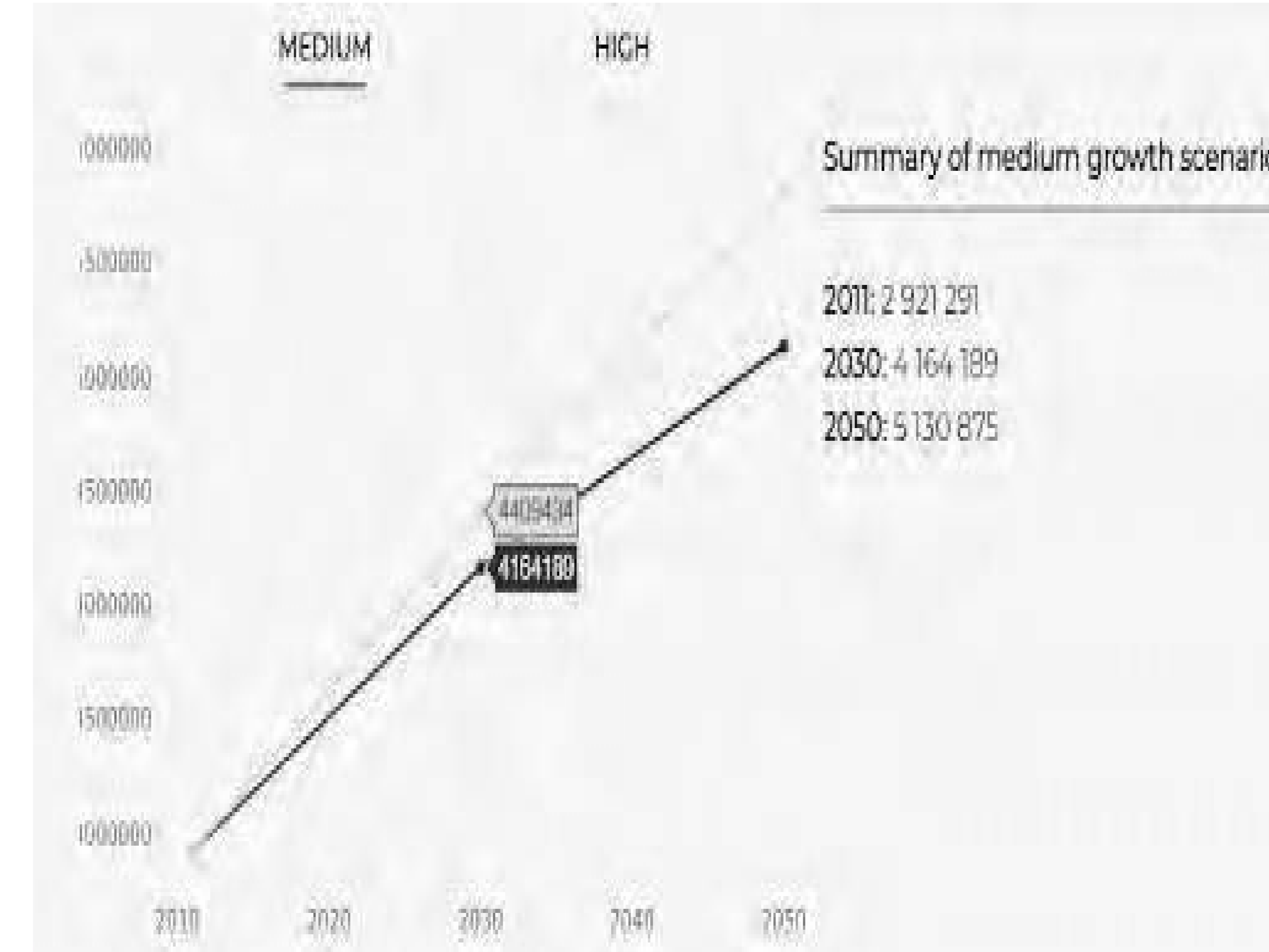
UNPRIVILEGED

GROWTH

HABITS

DISCONNECTED

BOUNDARIES



A population growth of 45% is expected in Pretoria



I believe the problem in the world is moving around freely, efficiently and safely.

WORLD

The National problem in South Africa is a nest of complex scenarios woven together. The residents does not have equal access to transportation because of a big gap between wealthy and unprivileged.

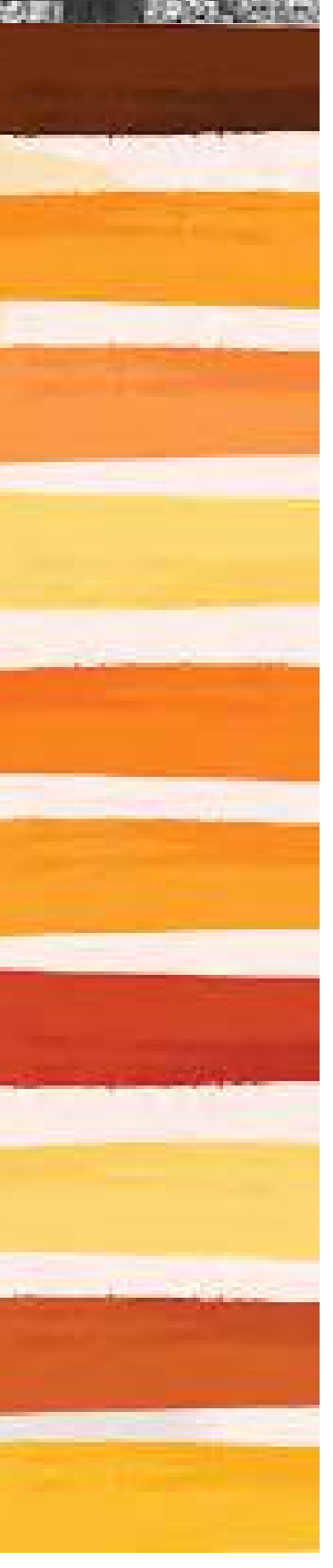
NATIONAL

A population growth of 45% is expected in Pretoria. The current habit of moving around in cars would not be sustainable or maintainable with the population growth that is expected.

LOCAL

The Gautrain and Metro rail creates a division in Hatfield. There is too little public spaces that encourage people to move around

DESIGN

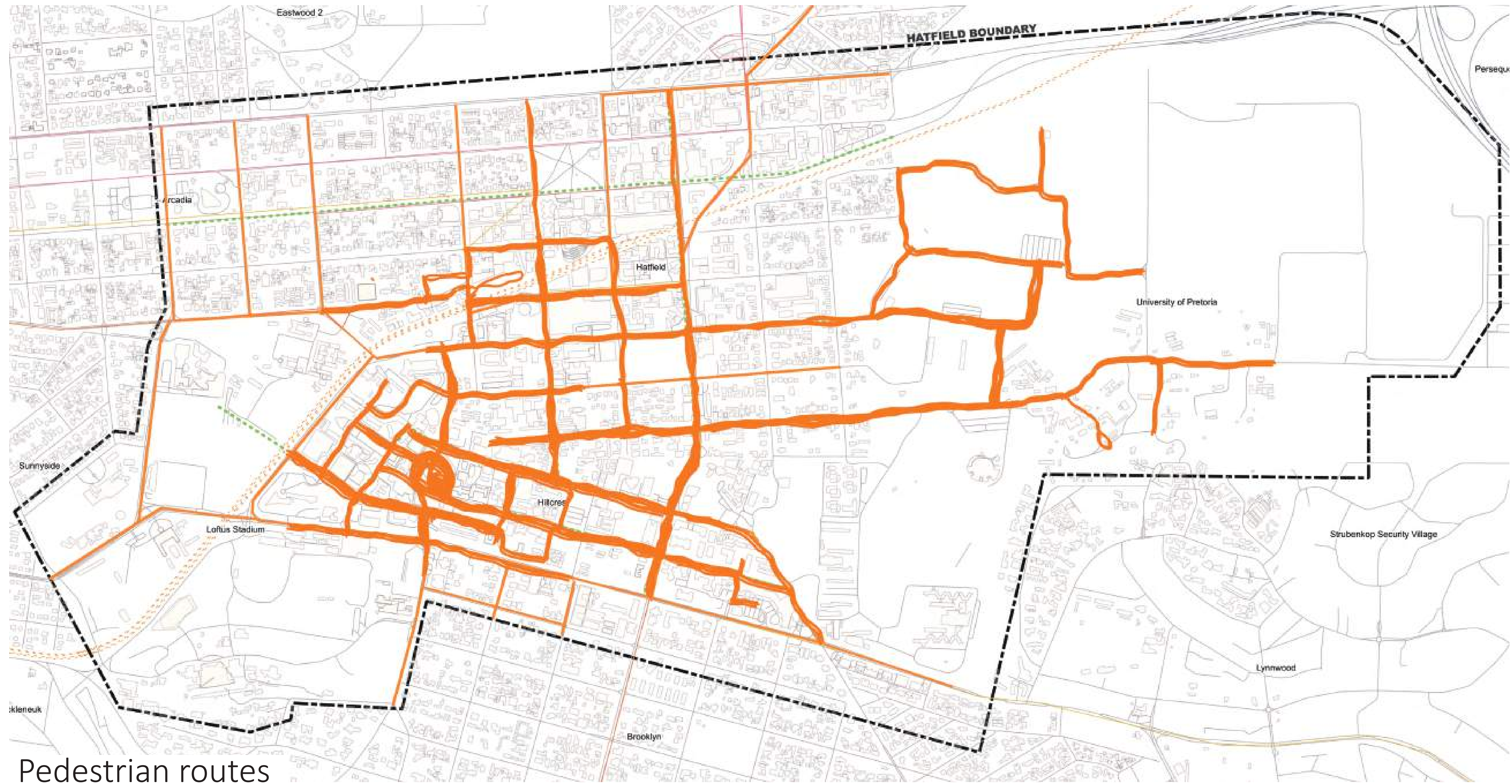


METRO SURROUNDINGS

- THREE TRANSPORTATION GROUPS
- PRIVATE
- PUBLIC
- ACTIVE



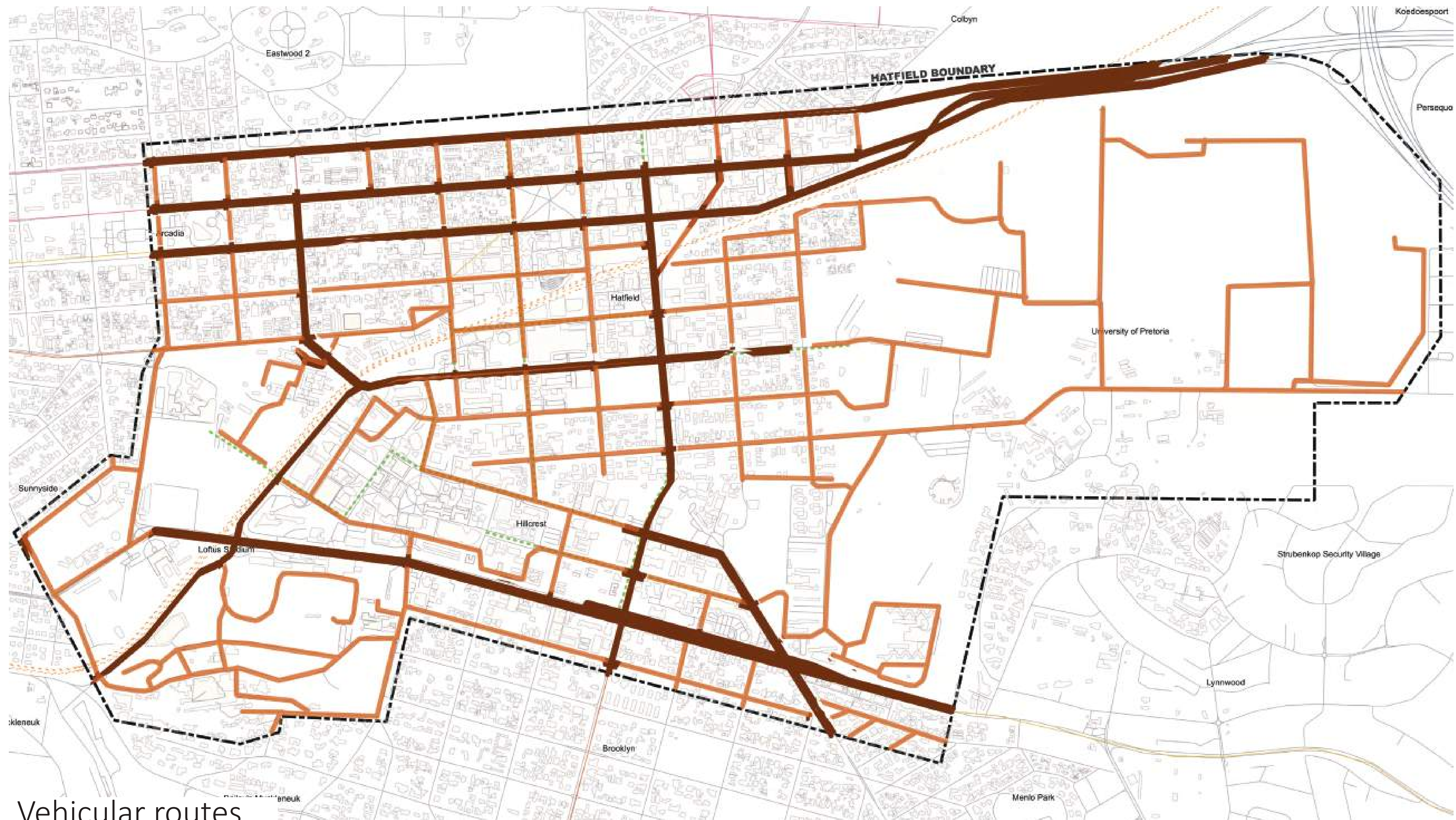
MAPPING



Pedestrian routes

Motor vehicles > pedestrians
 Fast traffic = little pedestrians
 Private and restricted green spaces
 Little public space

DESIGN PUBLIC SPACE FOR EVERYONE



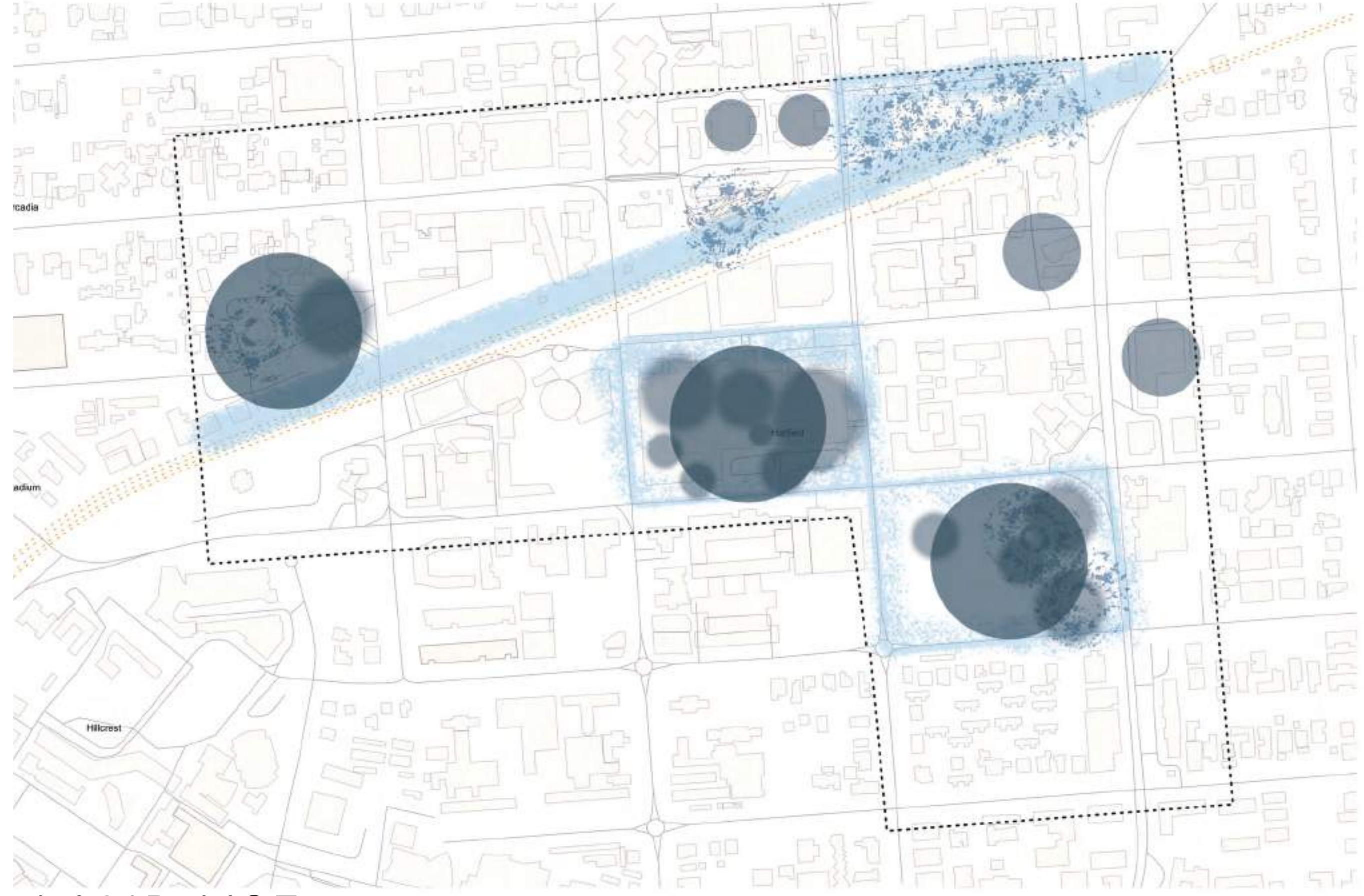
Vehicular routes



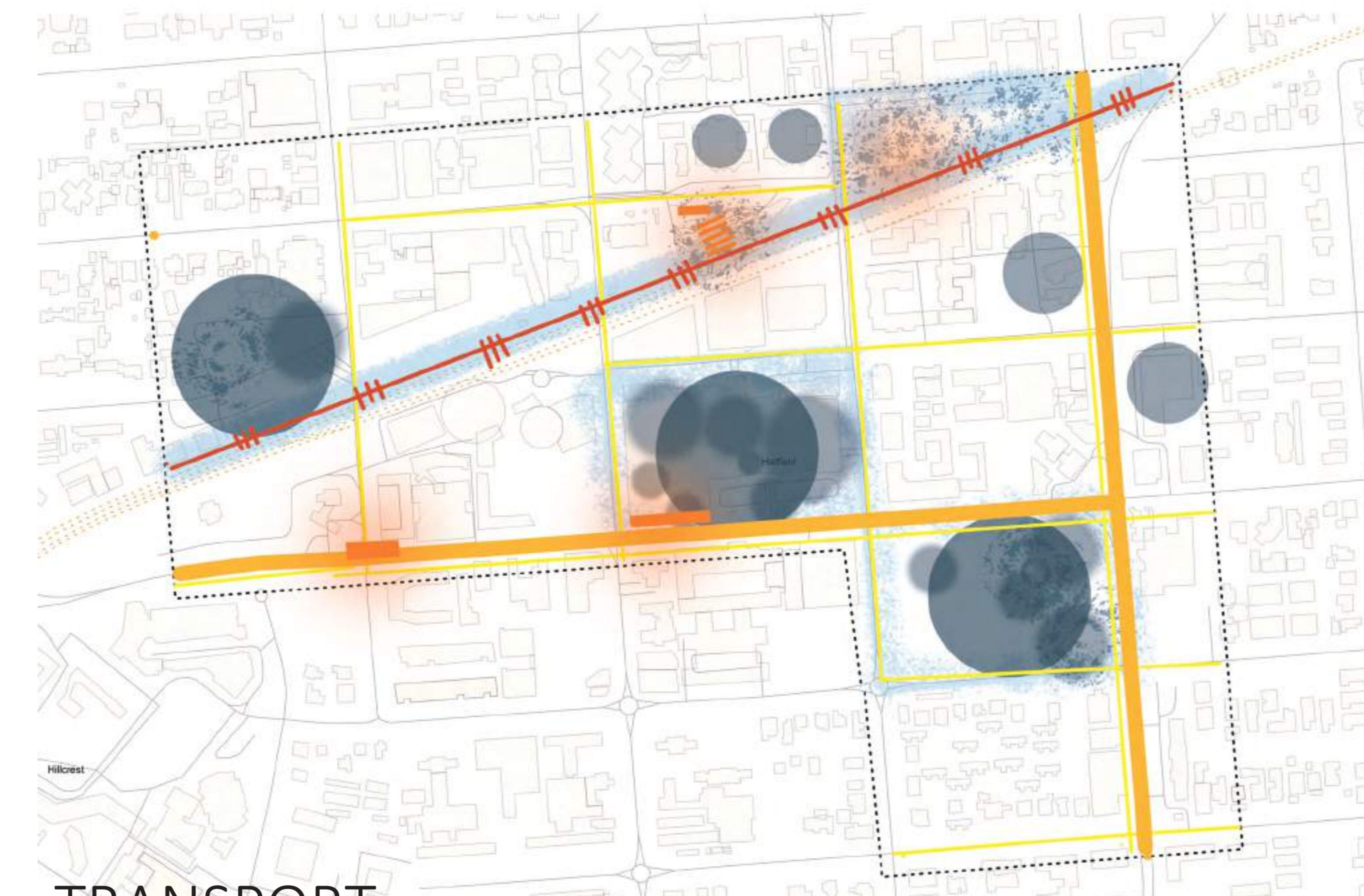
Green spaces

HATFIELD FRAMEWORK

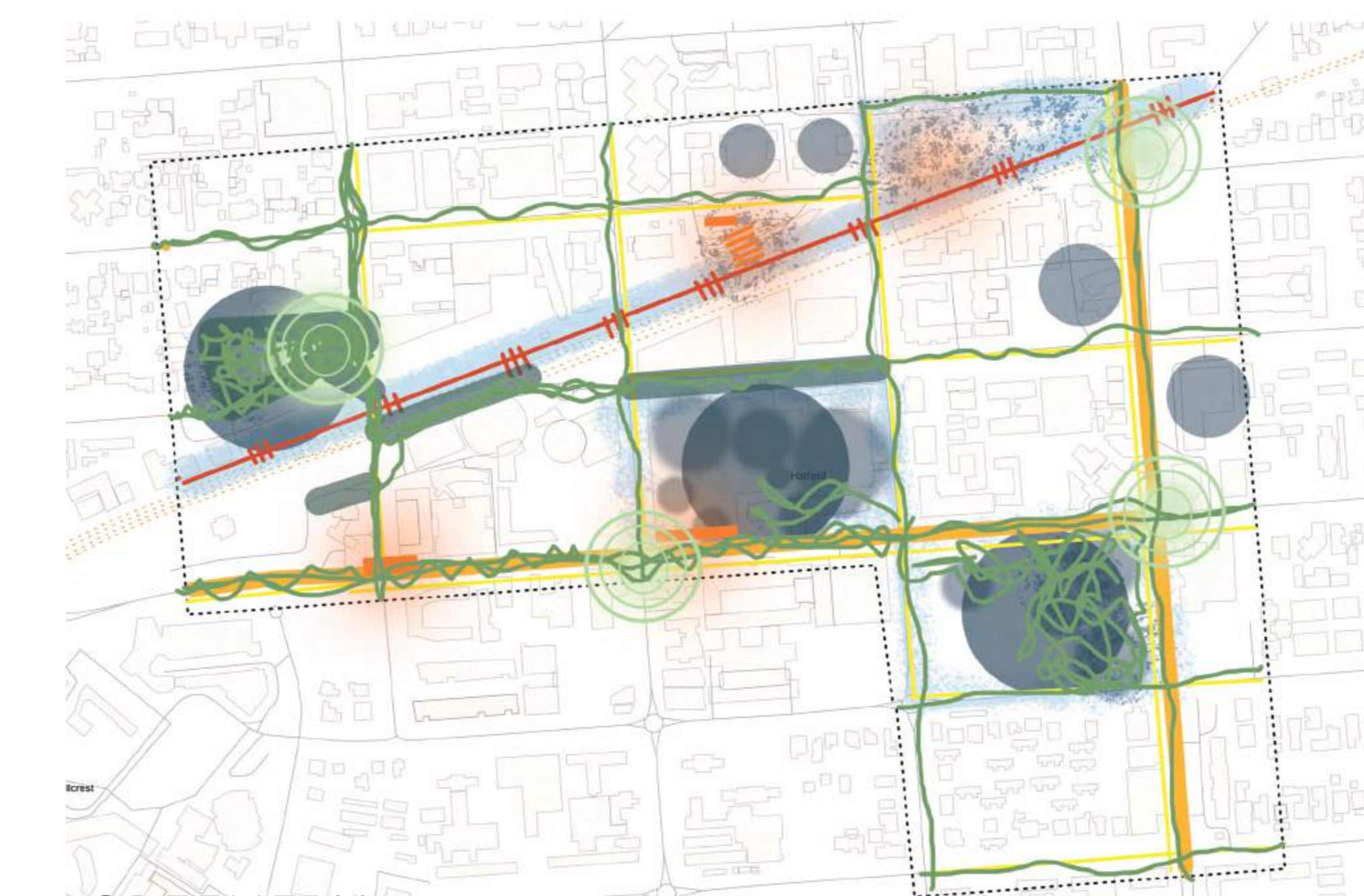
INDIVIDUAL PLUG IN



LAND USE



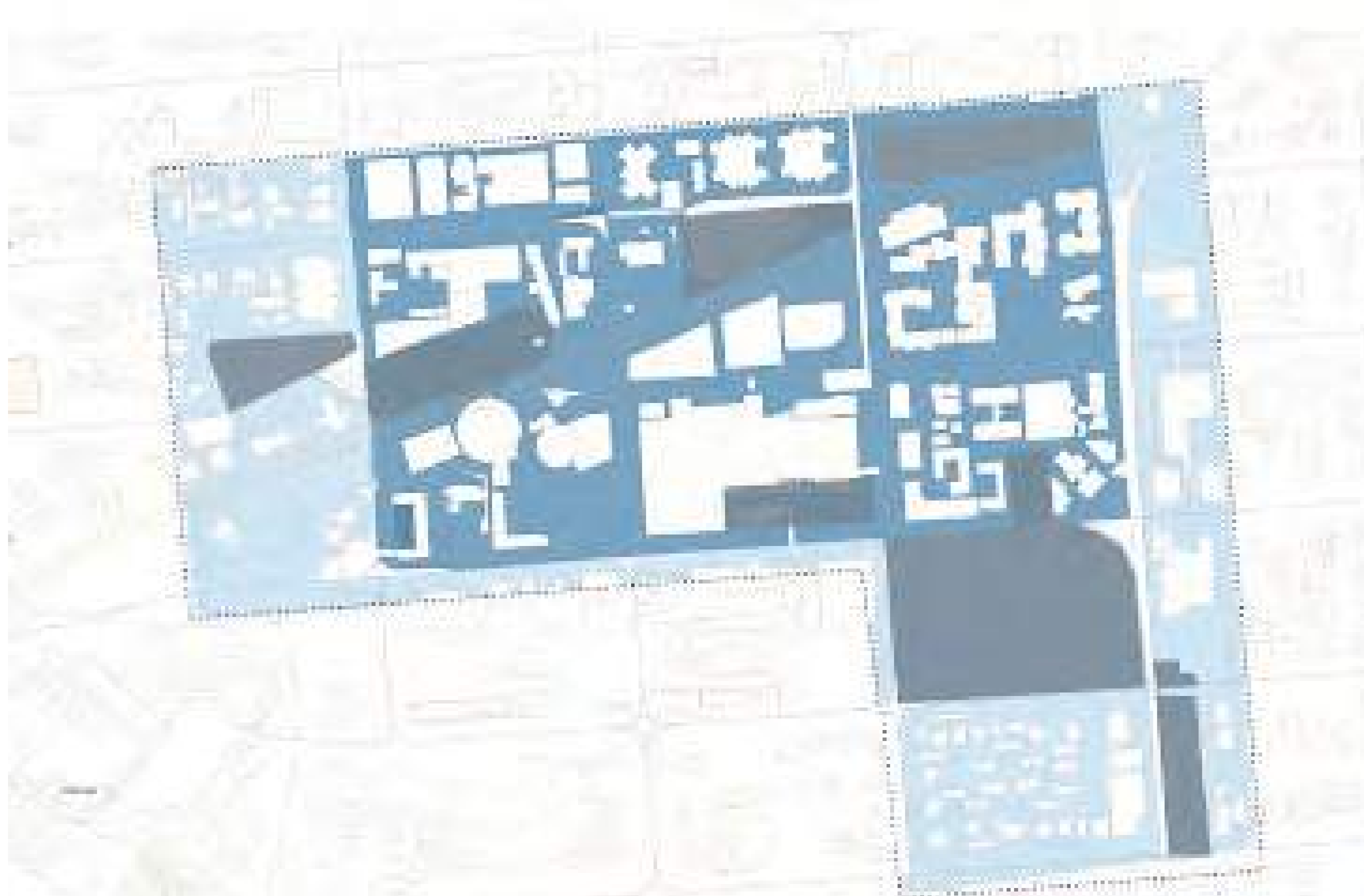
TRANSPORT



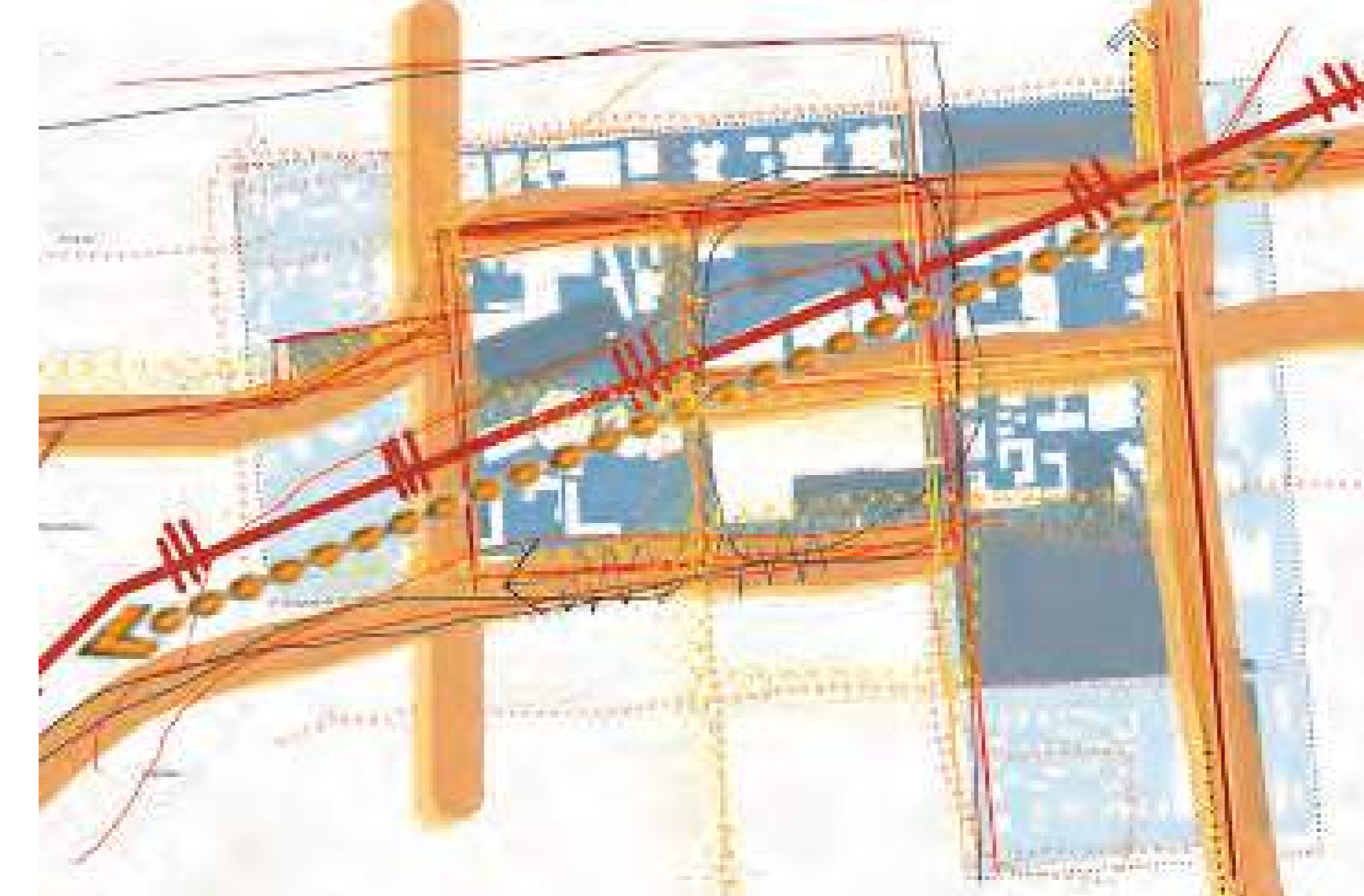
GREENERY

CONSTRAINTS:

- Isolated programmes
- Separation
- Private focus
- Minimal public greenery
- Safety concern



LAND USE



TRANSPORT



GREENERY

OPPORTUNITIES:

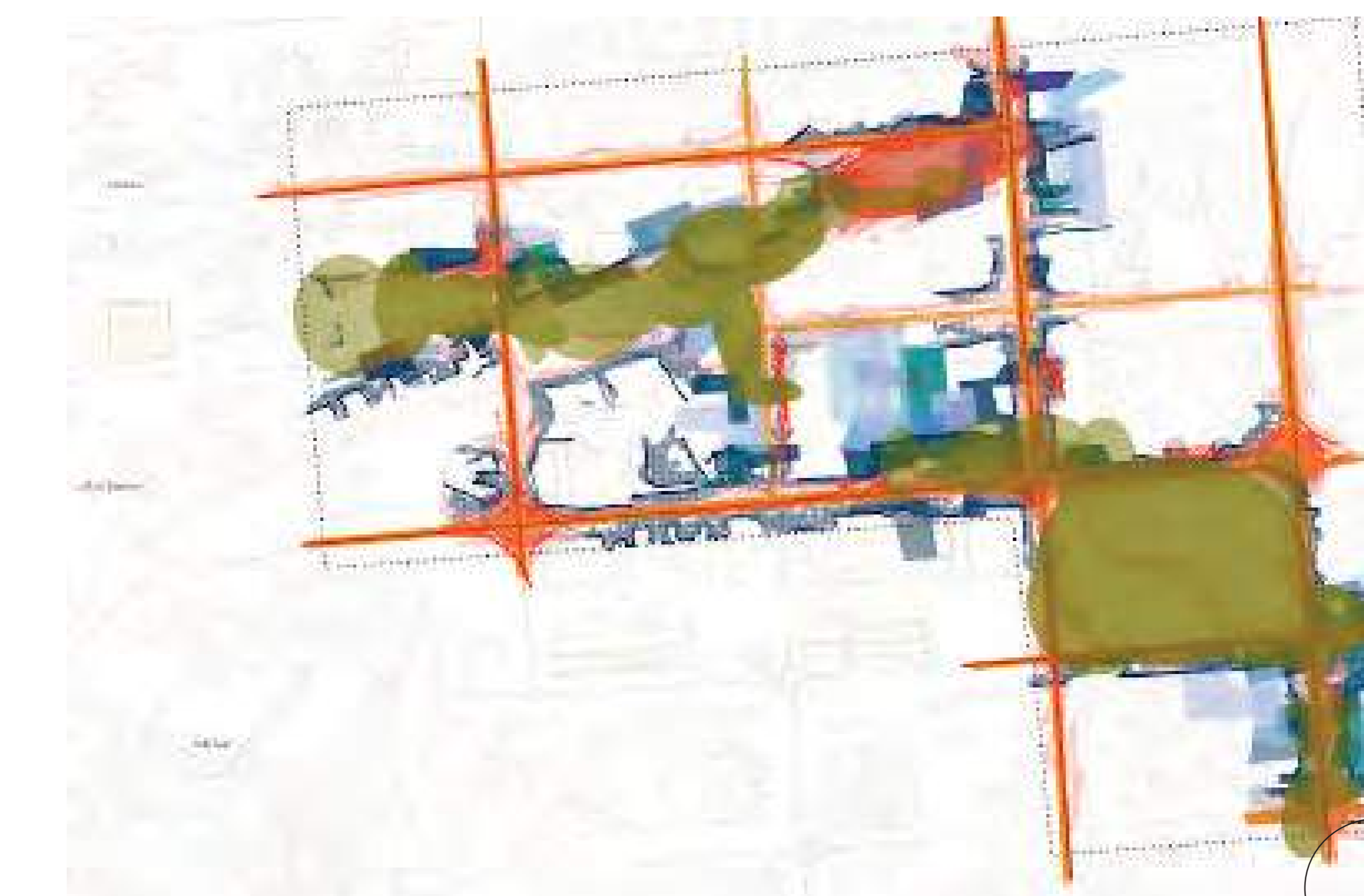
- Transportation variety
- Active core
- High rise buildings
- Dense surroundings



LAND USE



TRANSPORT

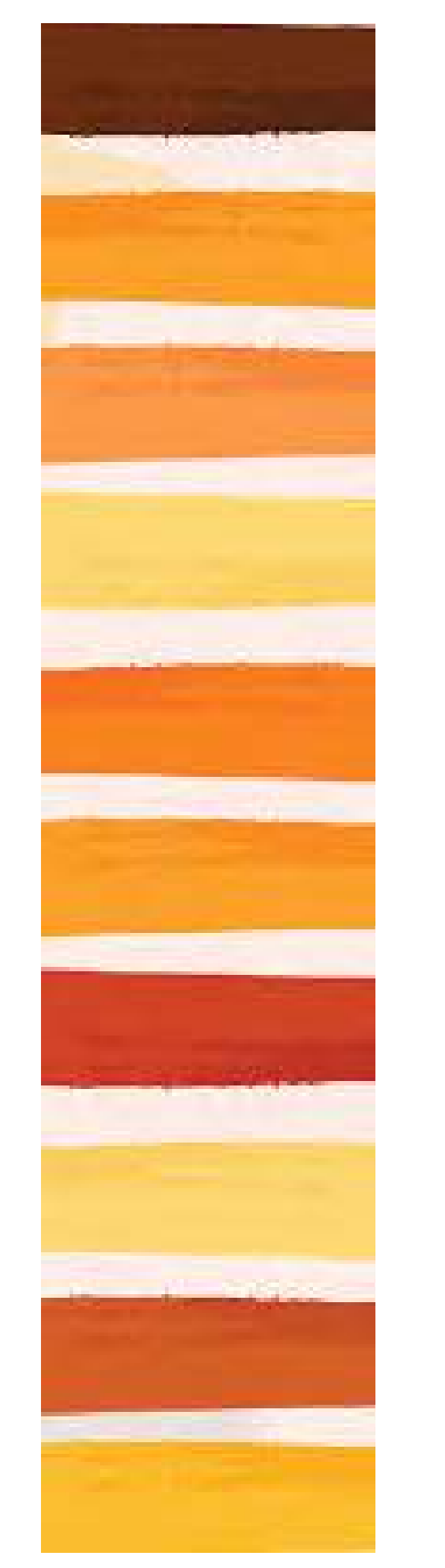
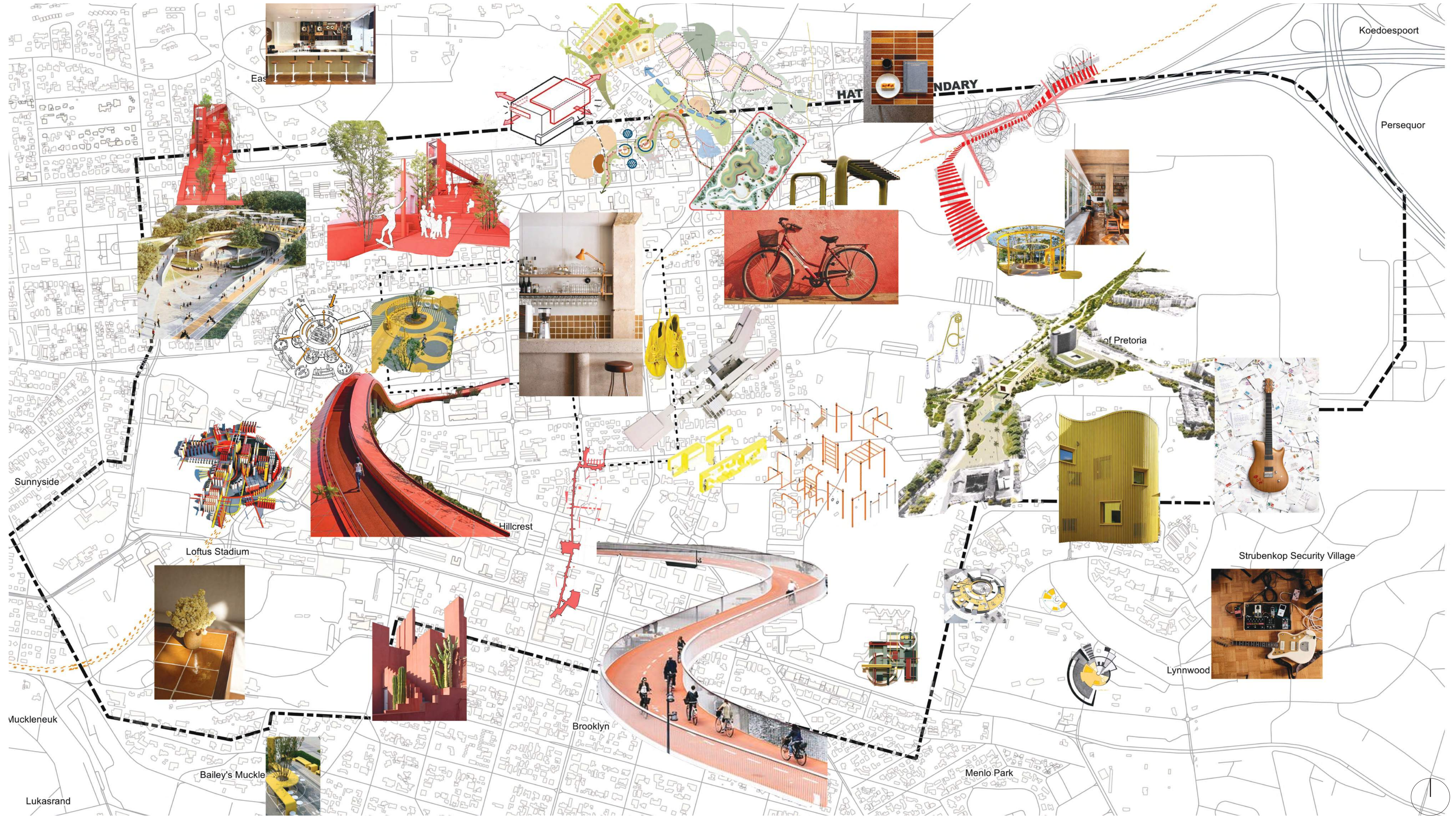


GREENERY

MASTER IDEAS:

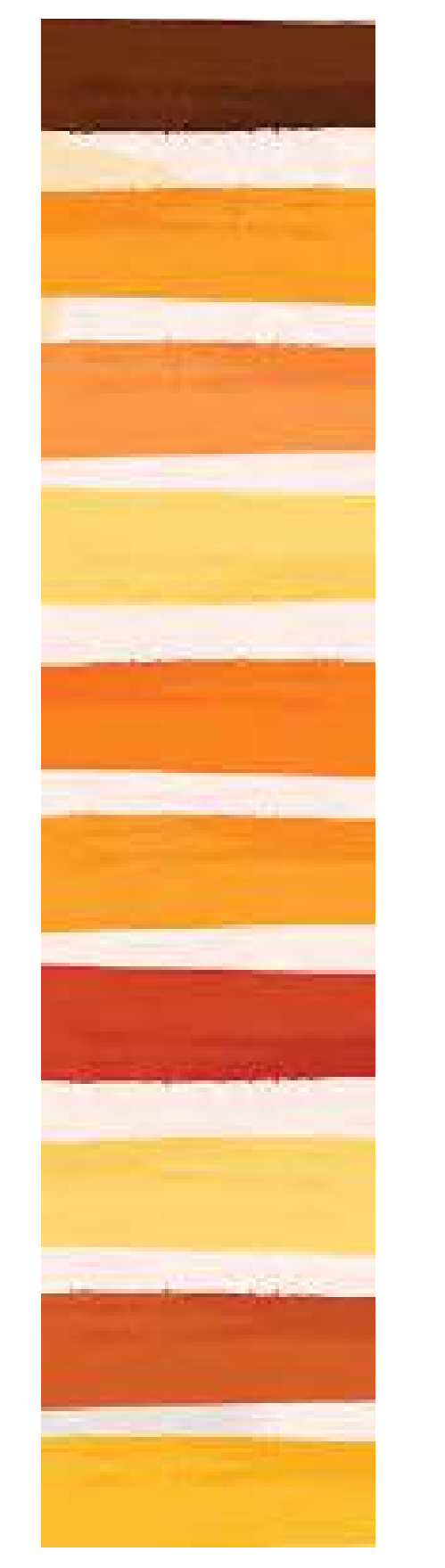
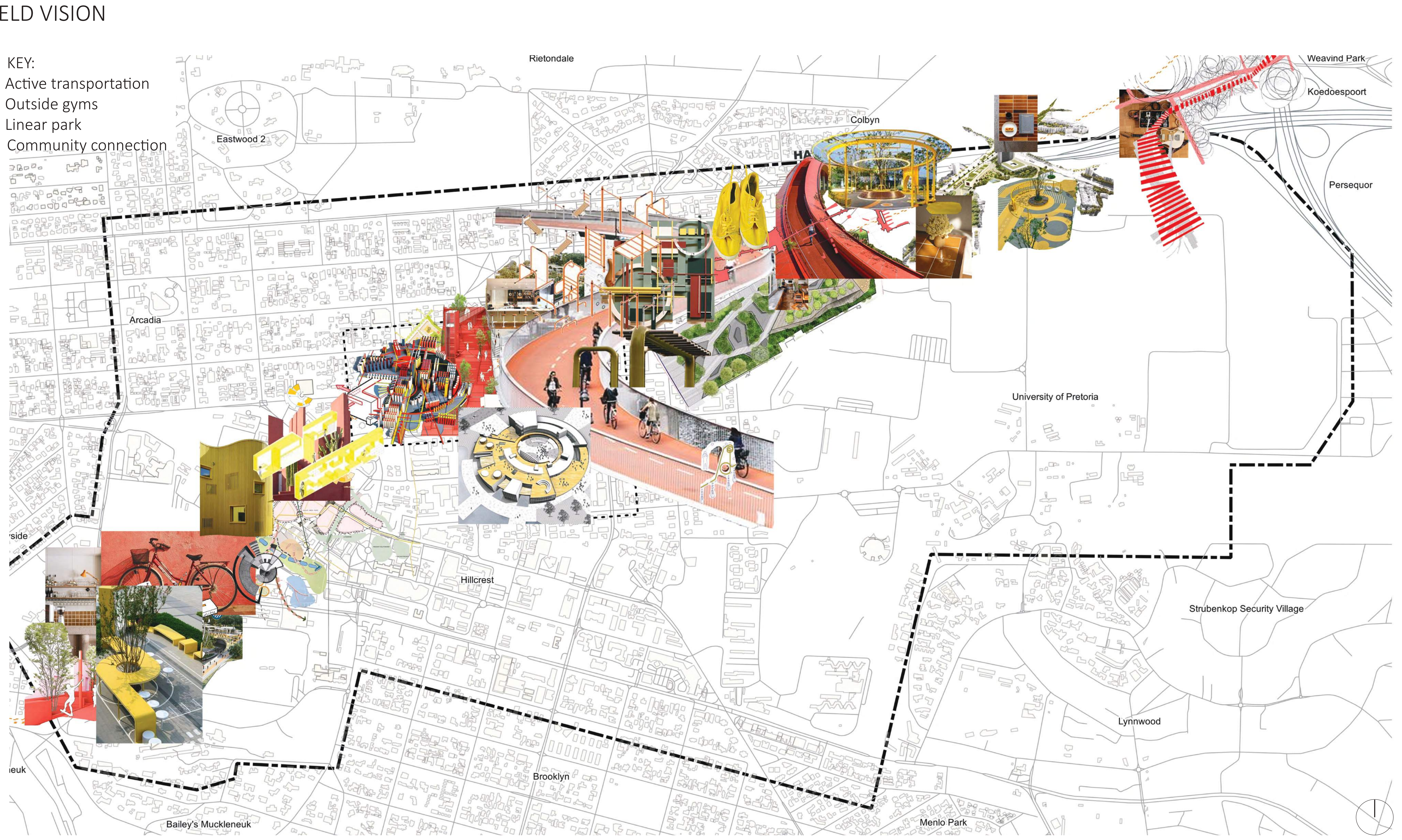
- Mix use
- Connections
- Integrate
- Public focus

CURRENT HATFIELD

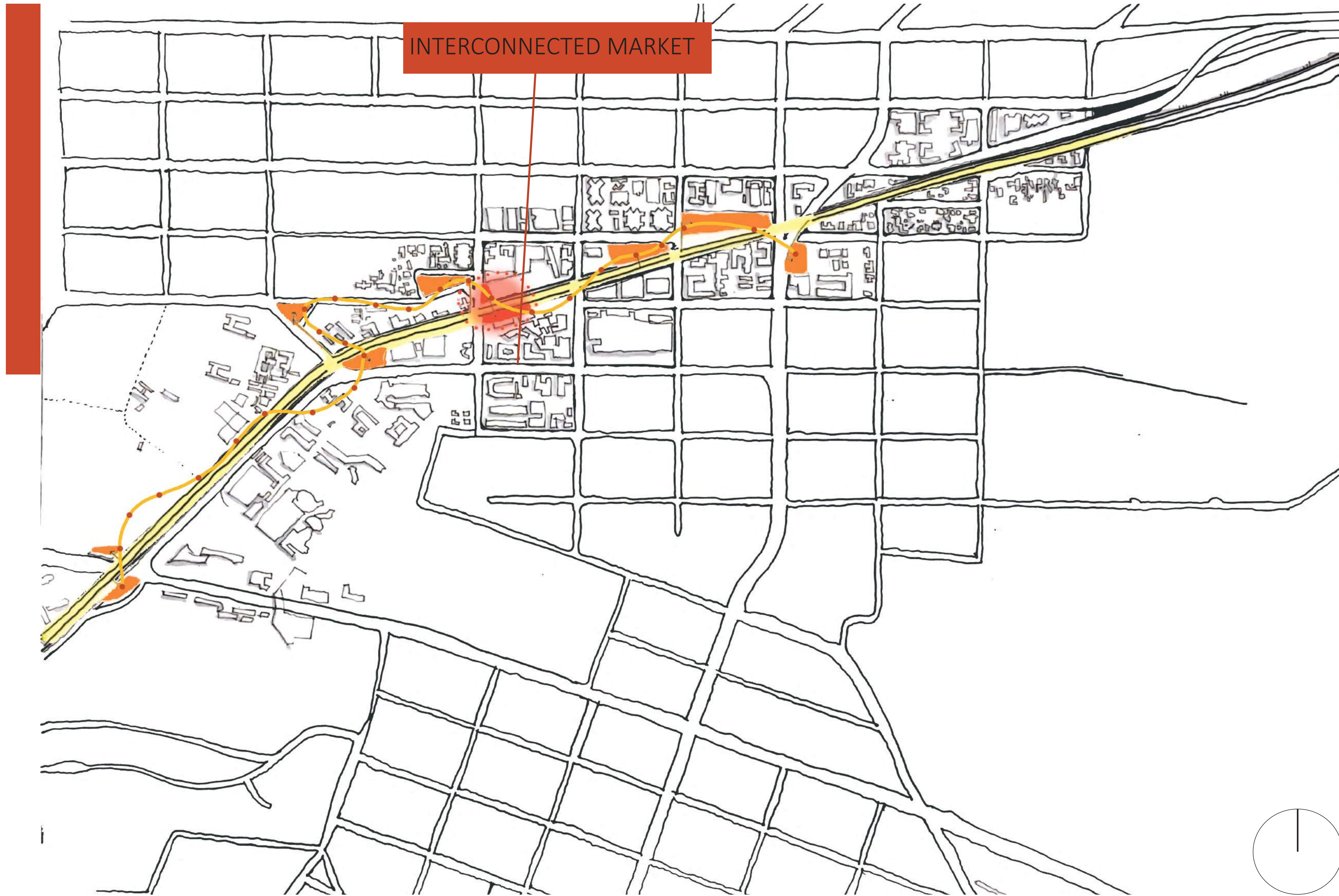


HATFIELD VISION

- KEY:
- Active transportation
 - Outside gyms
 - Linear park
 - Community connection

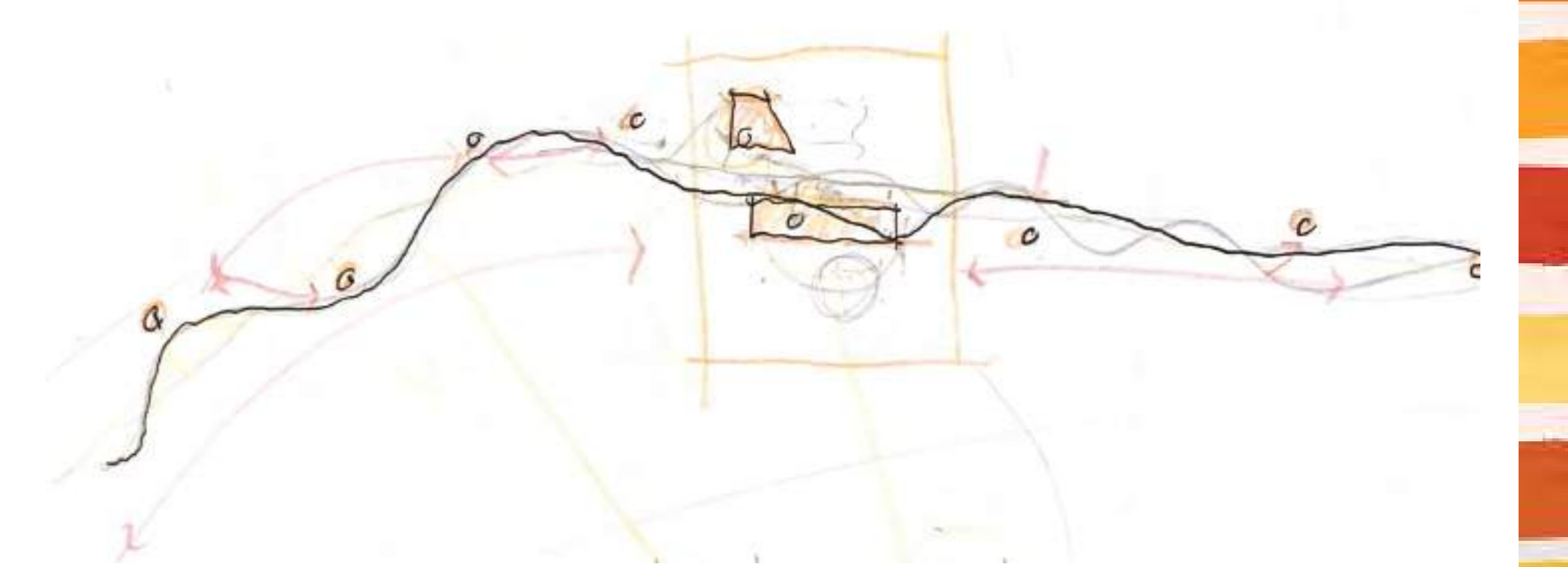
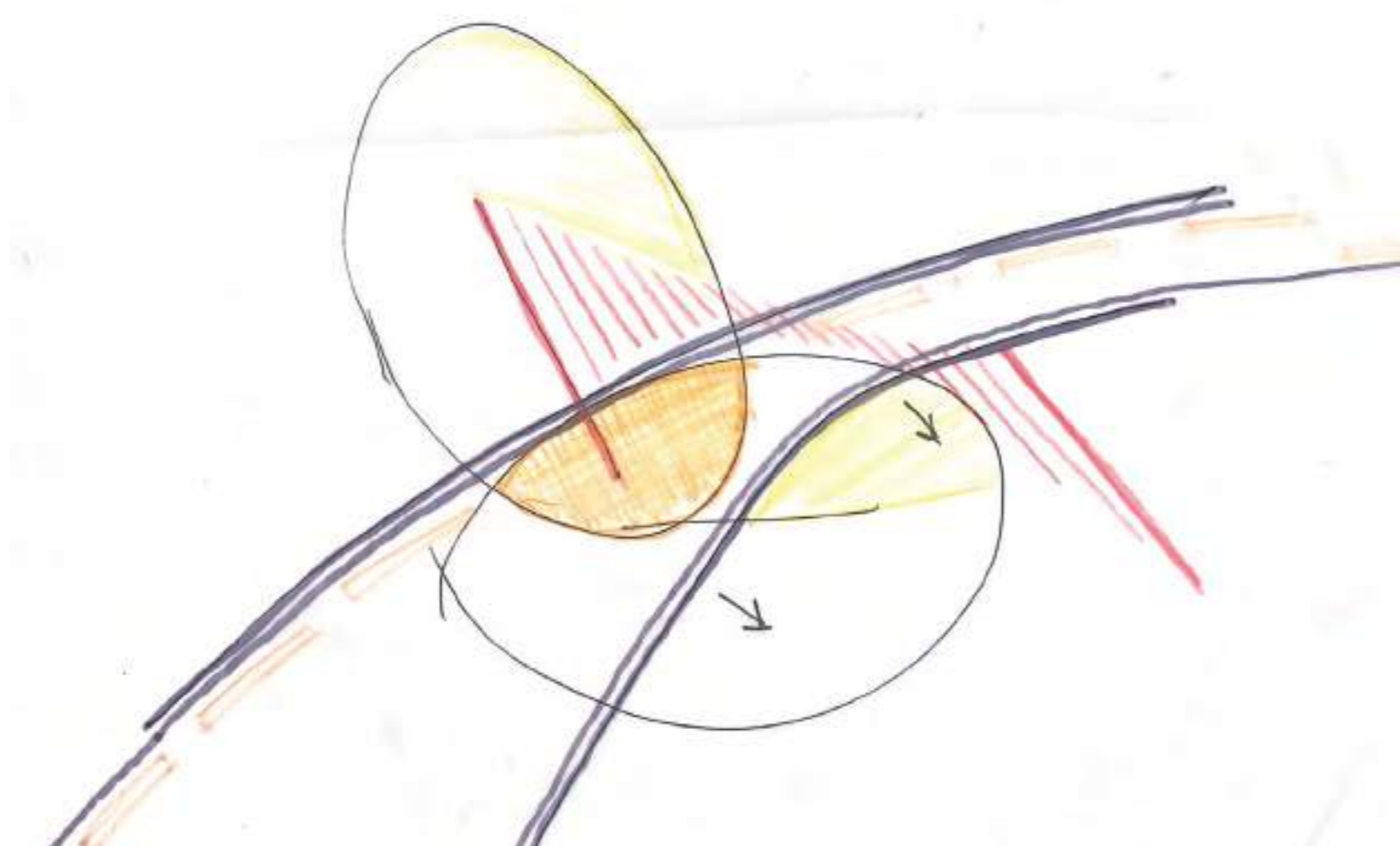
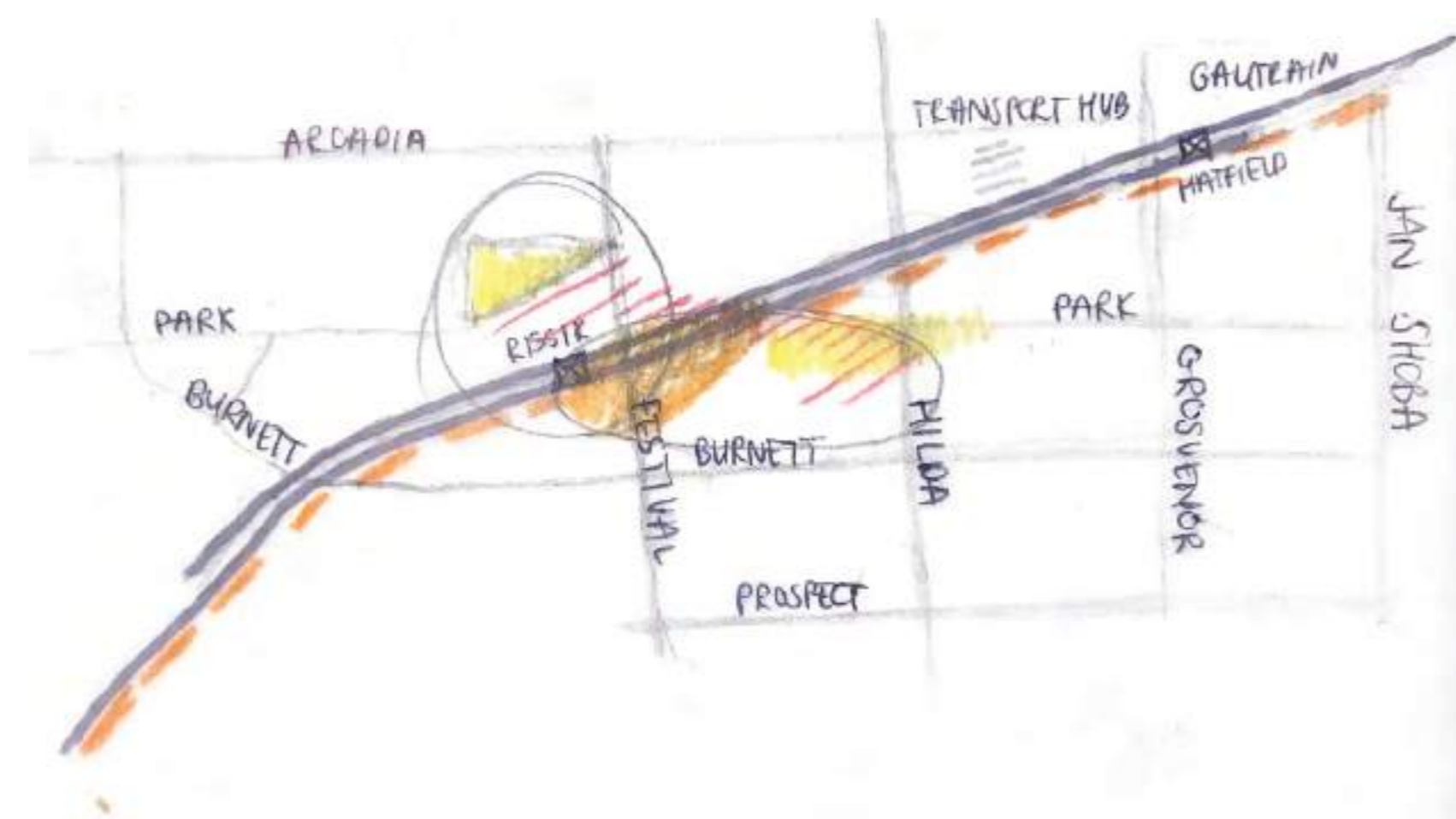
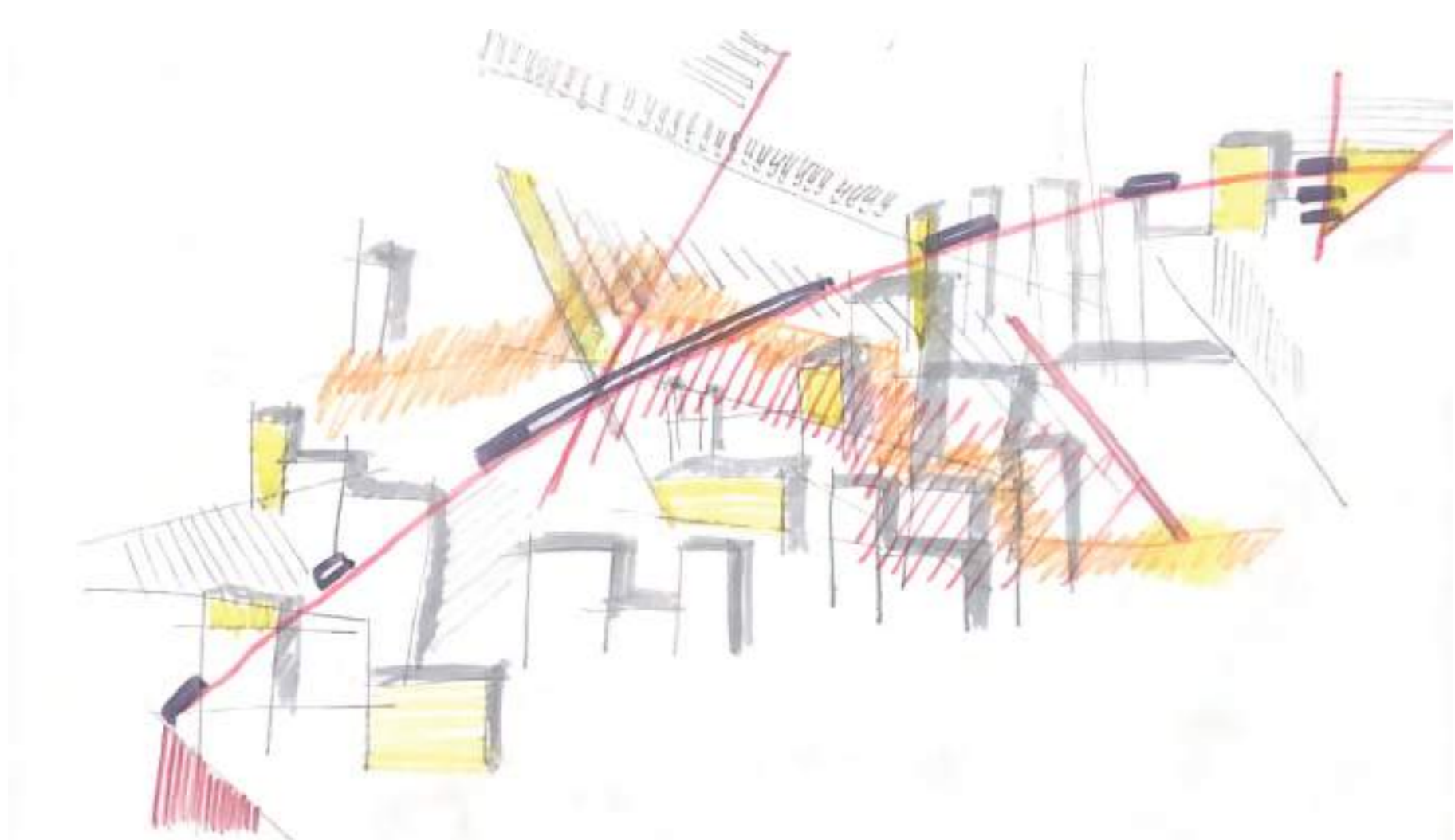
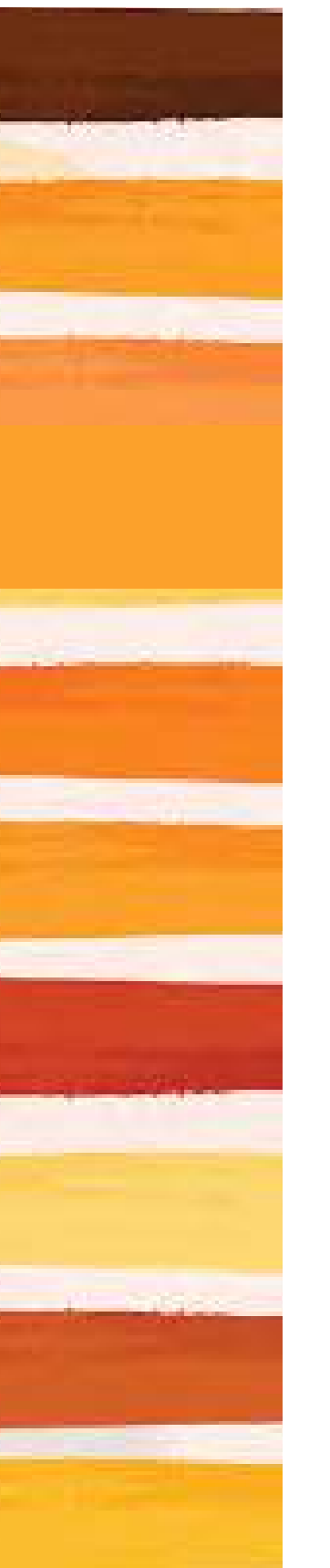


URBAN CONCEPT
STRING OF PEARLS

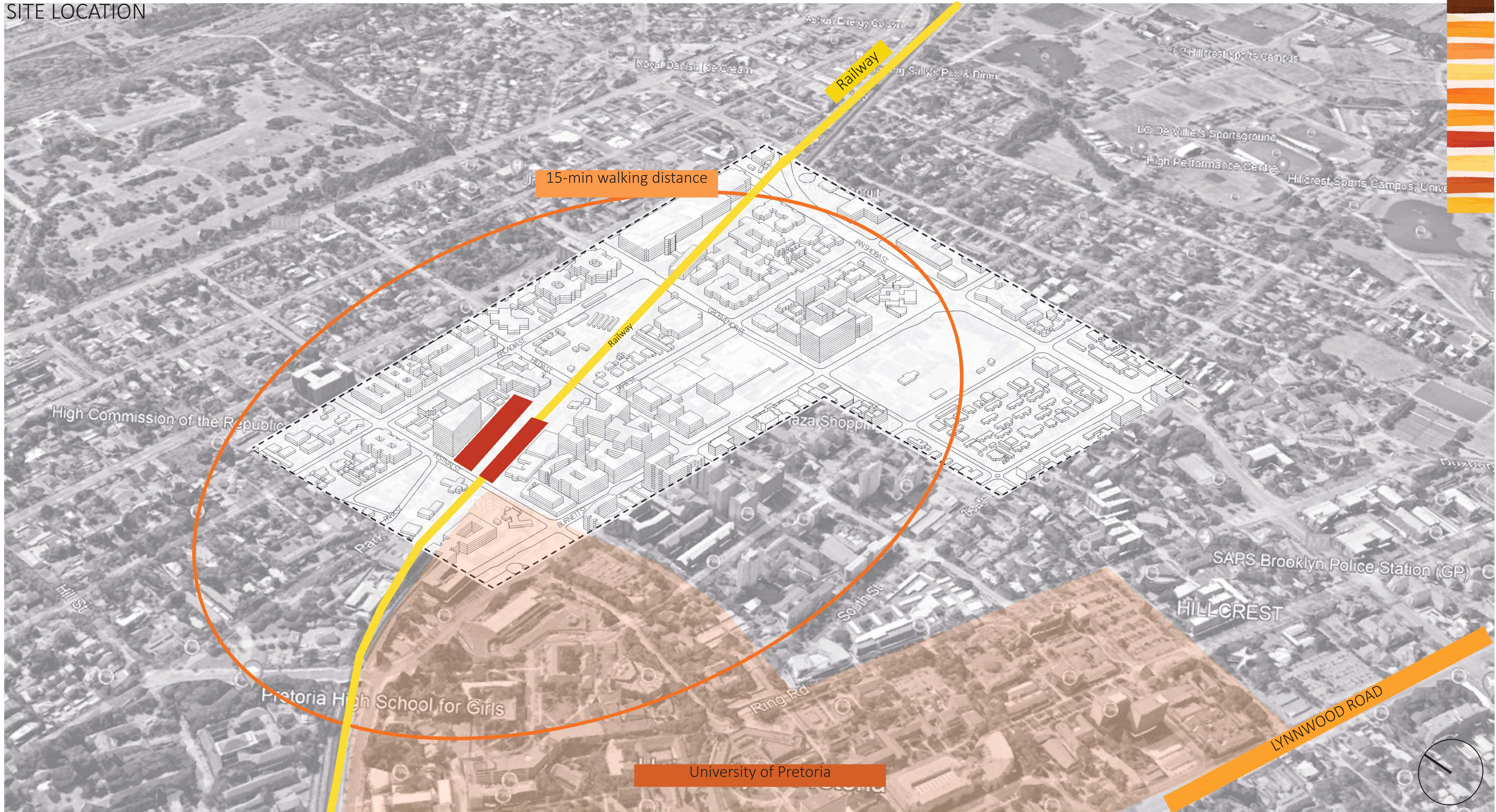


SPACE QUALITIES:
ACTIVE POINTS
CALMING ATMOSPHERE
INTERESTING
UNIQUE
ARTISTIC
FESTIVAL VIBES
CELEBRATING NATURE

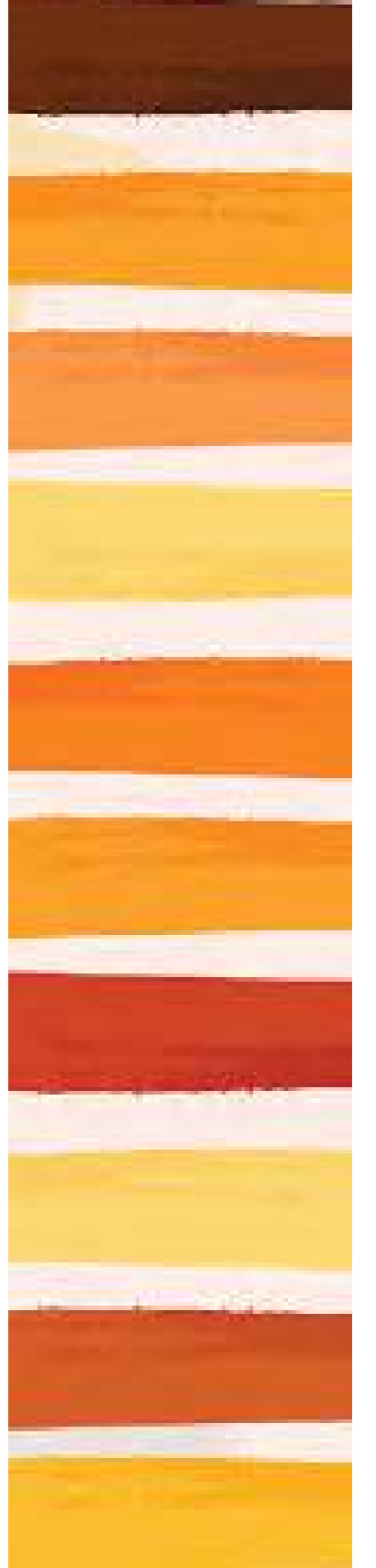
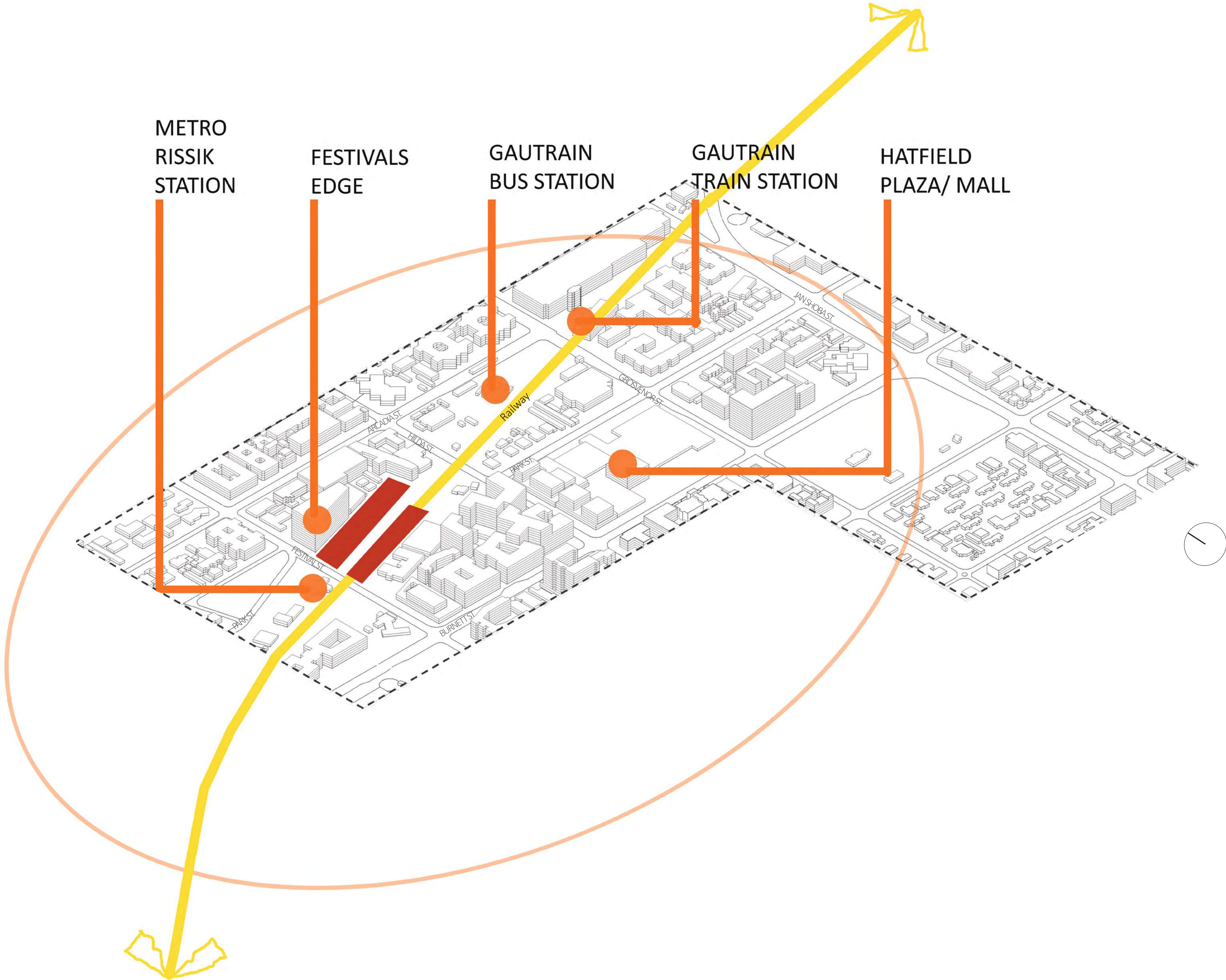
PROGRAMS LIKE:
CULTURAL FOOD IDENTITY
TRANSPORTATION HUB
MUSICAL COFFEE CAFE
MARKET SPACE
NATURAL LUNCH SPOTS
BIKE RENTALS



SITE LOCATION



SITE LOCATION

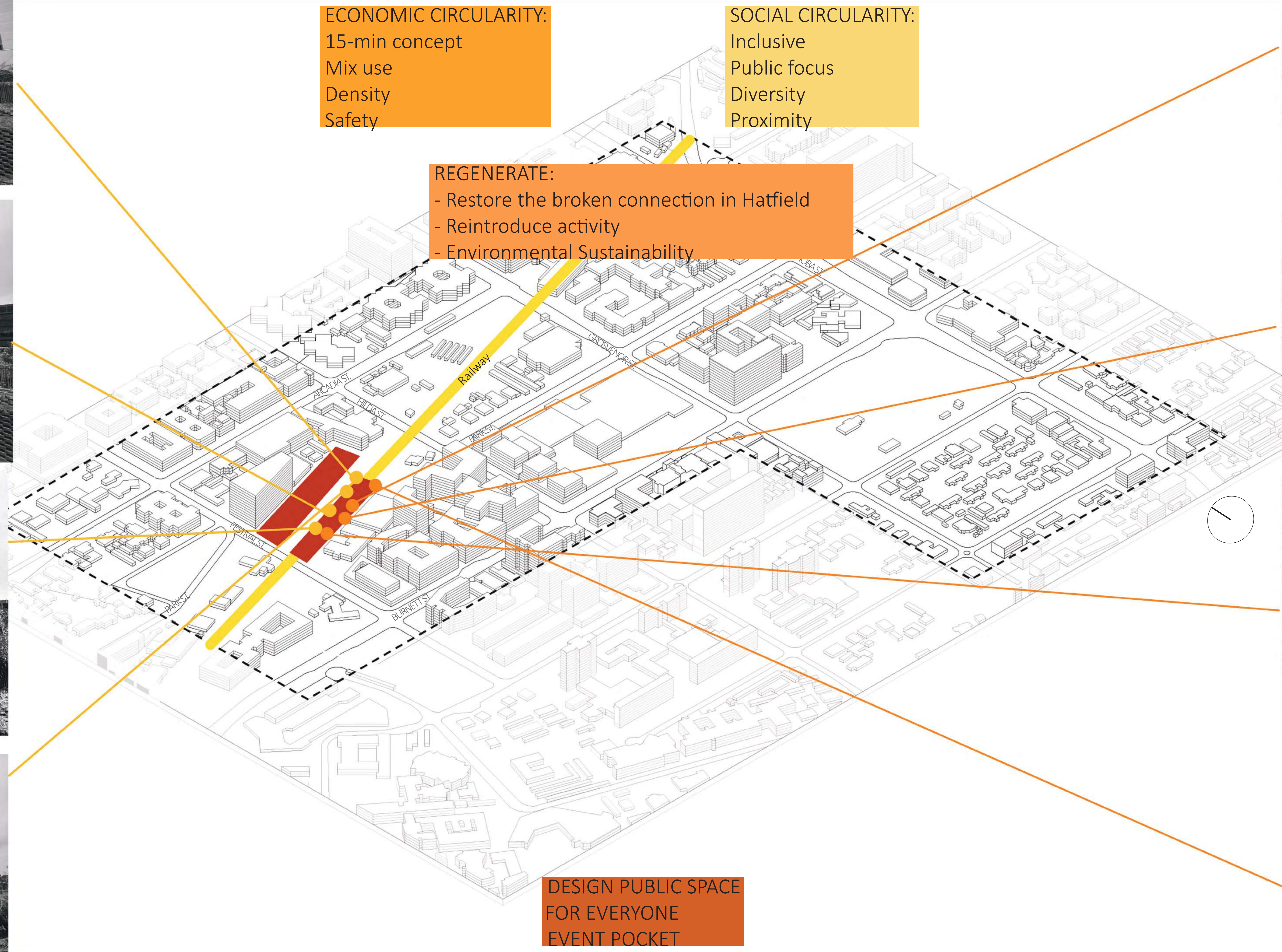


SITE LOCATION



Temporary rehabilitation garden

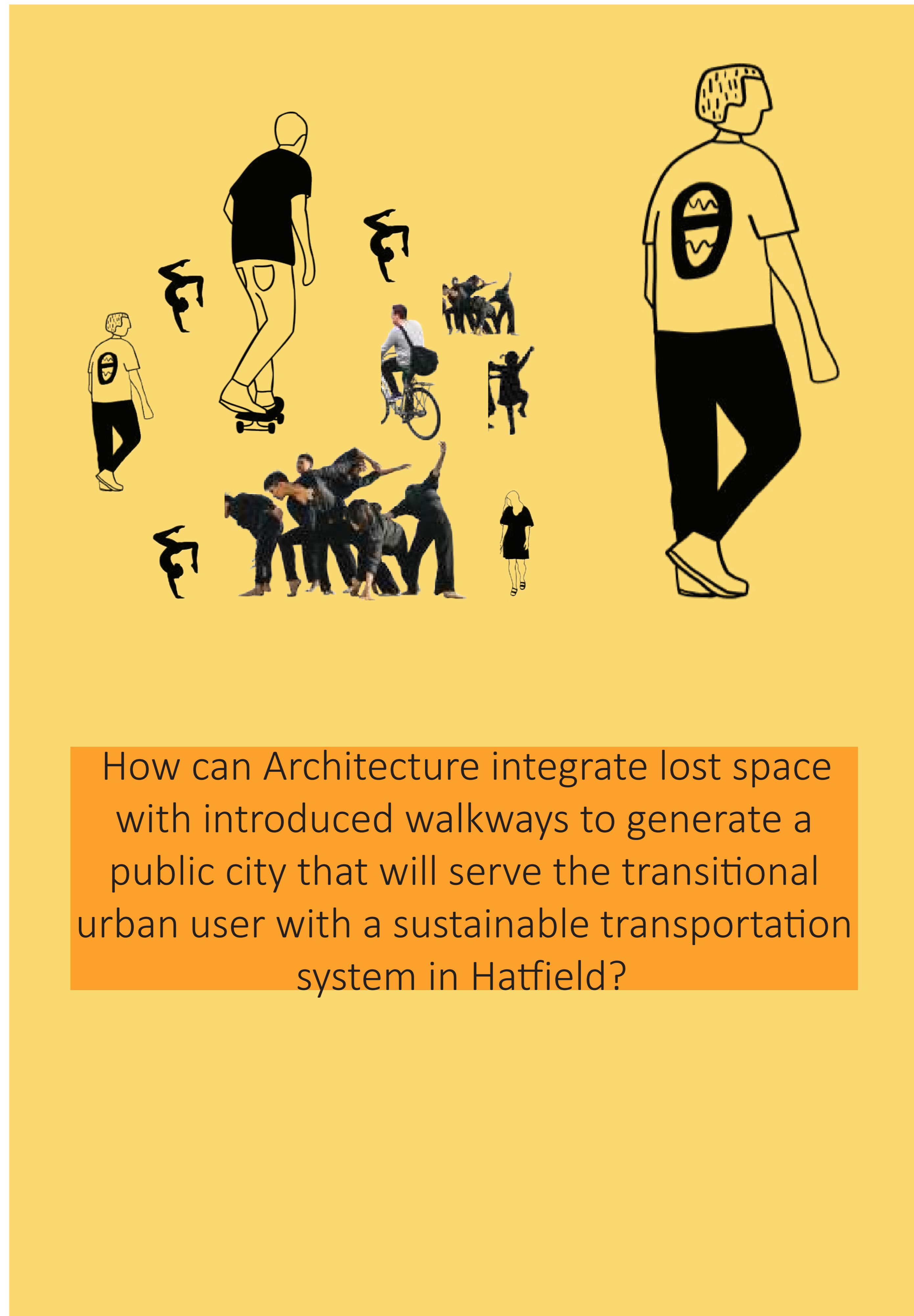
Existing parking lot of Virgin Active.





Urban plan: Active commuters in Hatfield
Site: Students, Families, Festive people

CLIENT



How can Architecture integrate lost space with introduced walkways to generate a public city that will serve the transitional urban user with a sustainable transportation system in Hatfield?

How can Architecture replace invisible space with new public space to generate and reintroduce flexible vibrant spaces?

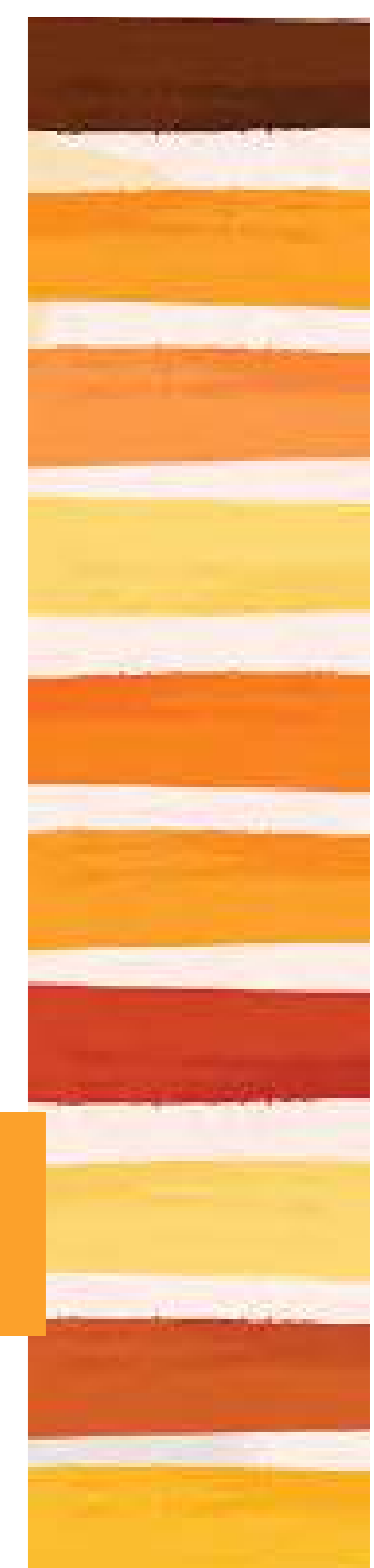
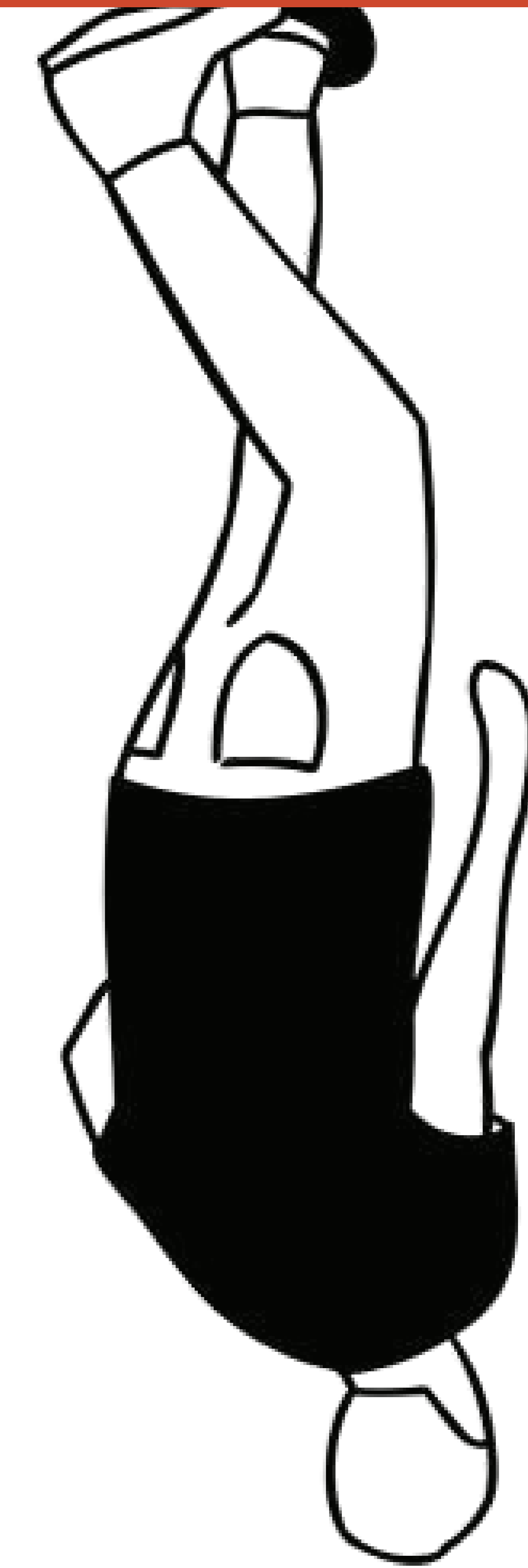
QUESTIONS

STAKEHOLDERS

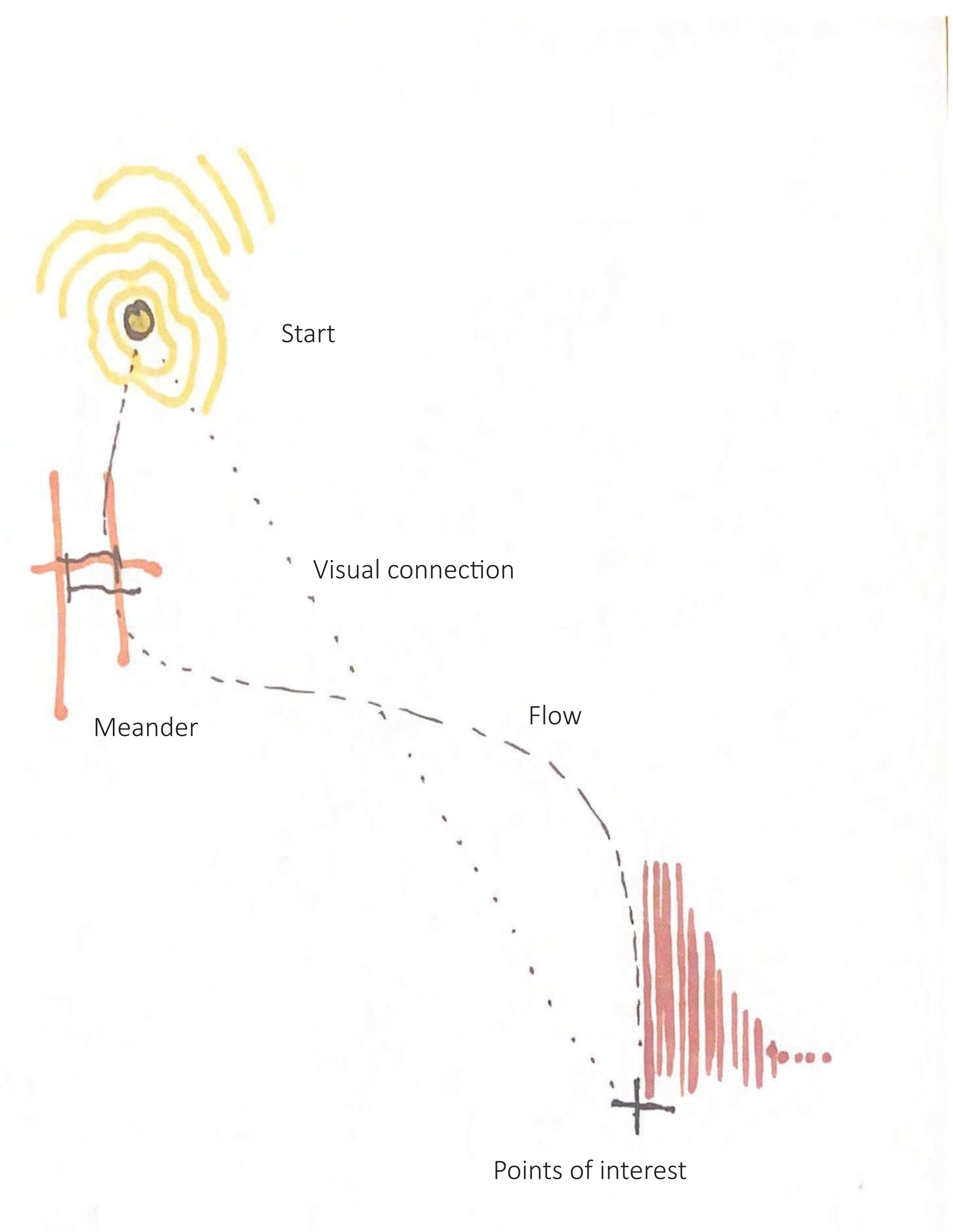
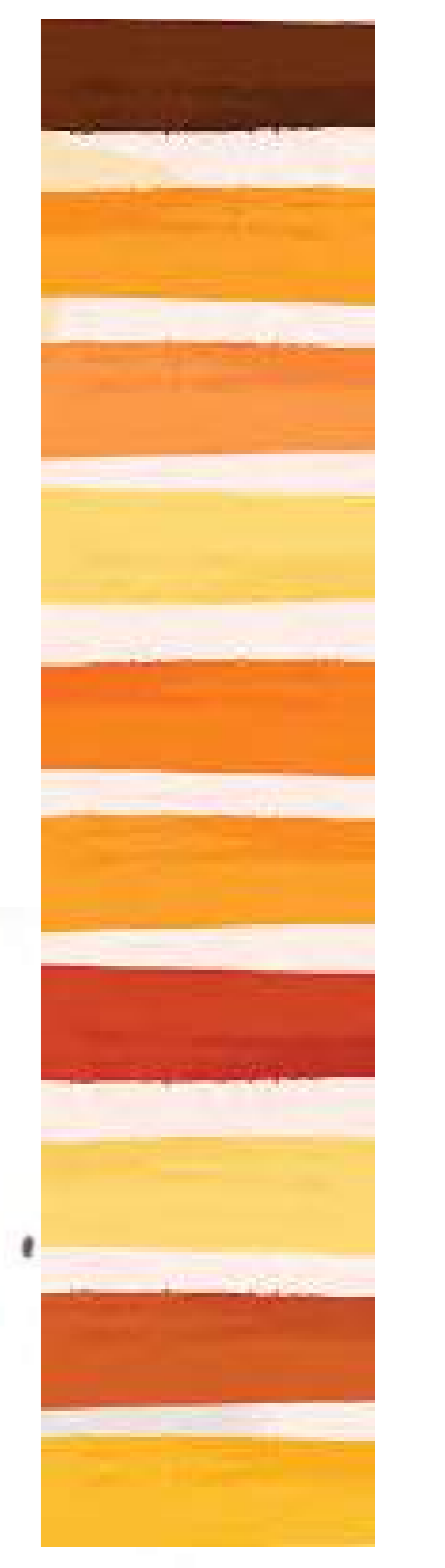
Lucas (City Improvement District),

Tomashoff + Partners,

Andre Moller (City of Tshwane)

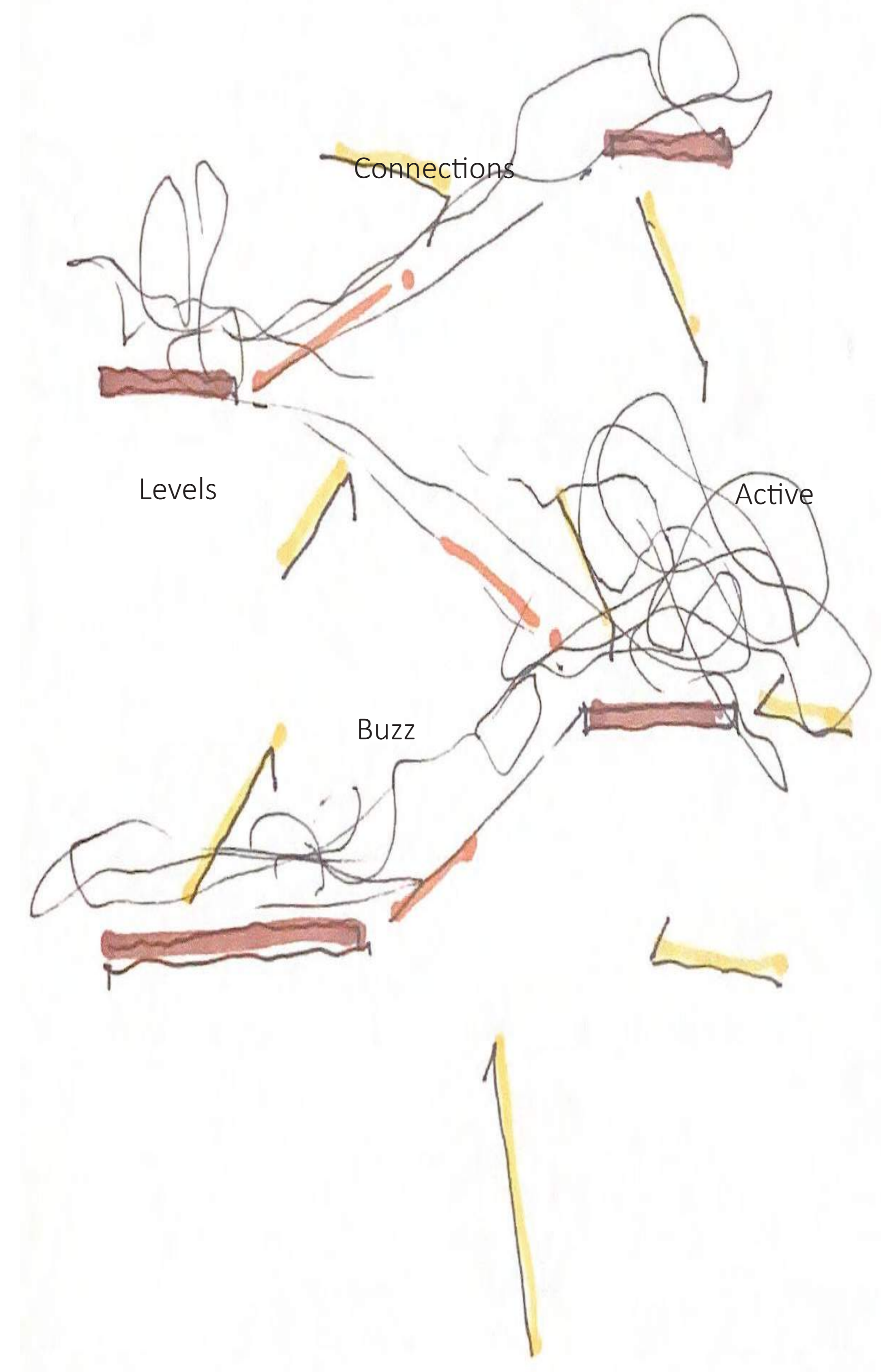


PRINCIPLES



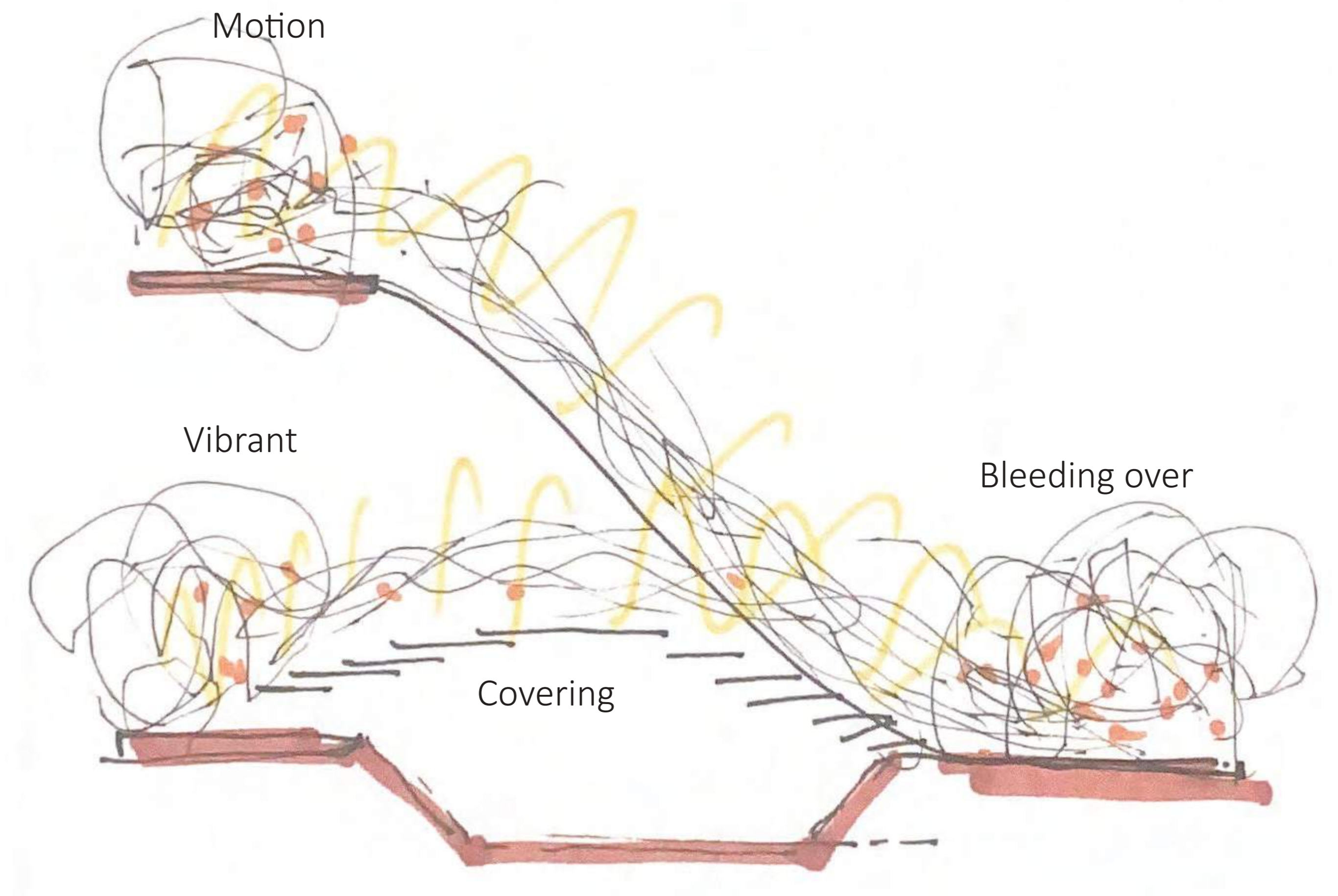
Visual connection
Open to street edge
Building on current movement

CONNECTION



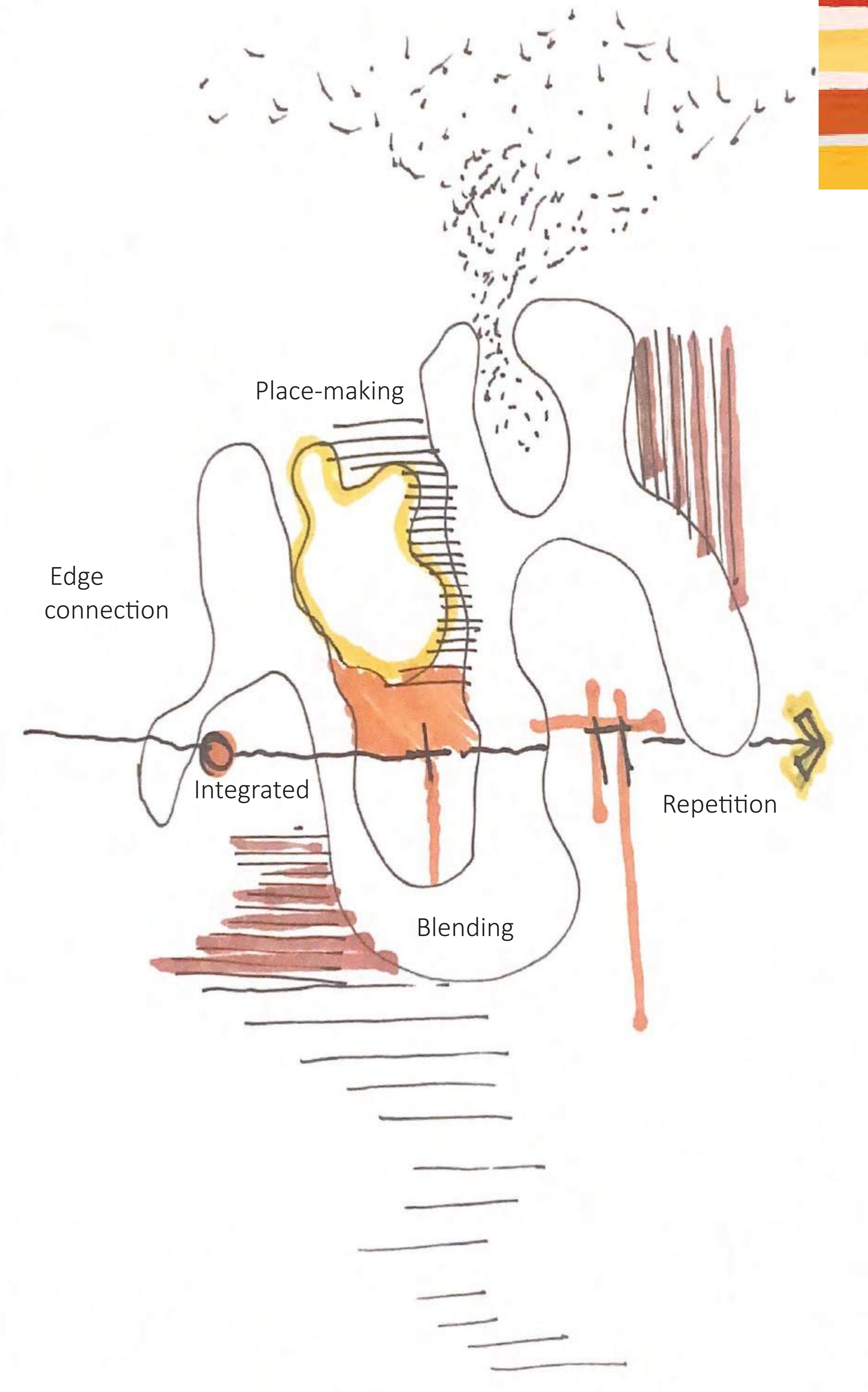
Hierarchy in building
Equality amongst people,
Central focus

INCLUSIVE



Exciting spaces,
Welcoming edges,
Sense of belonging

VIBRANT



Different platforms and levels
Open access
Merging programs

INTEGRATING

PRECEDENTS

Active
Green
Pedestrian focus



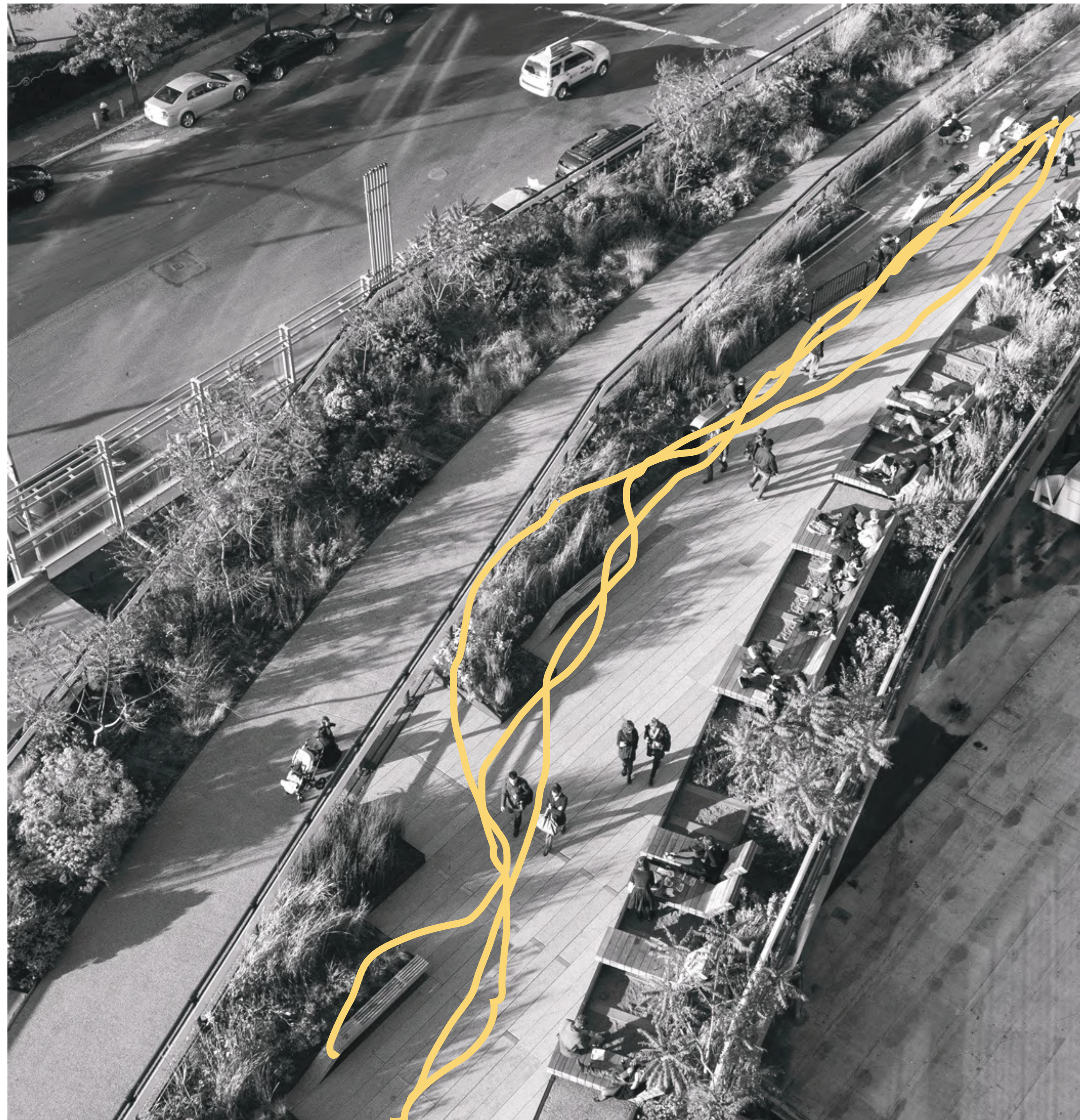
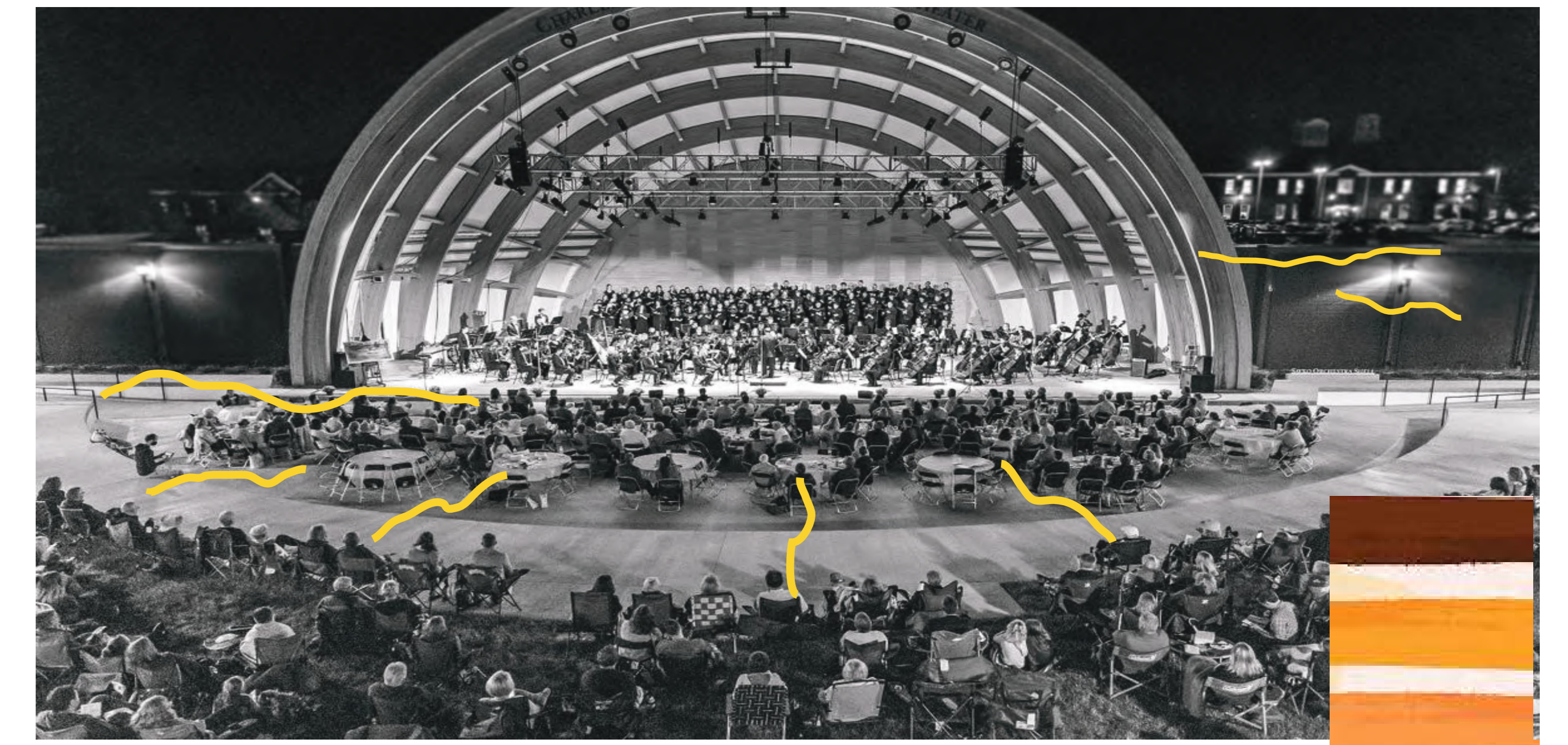
Active public bridge
Visual connection
Stretch beyond bridge



Quite space above highway
Introduce green spaces
Pockets to go down into city



Central stage
Outside, open air
Festival



Isolated programs
Tourist clogged catwalk

HIGHLINE, NY

Sell mostly jewelry
Not inclusive

PONTE VECCHIO, FLORENCE

Not built yet

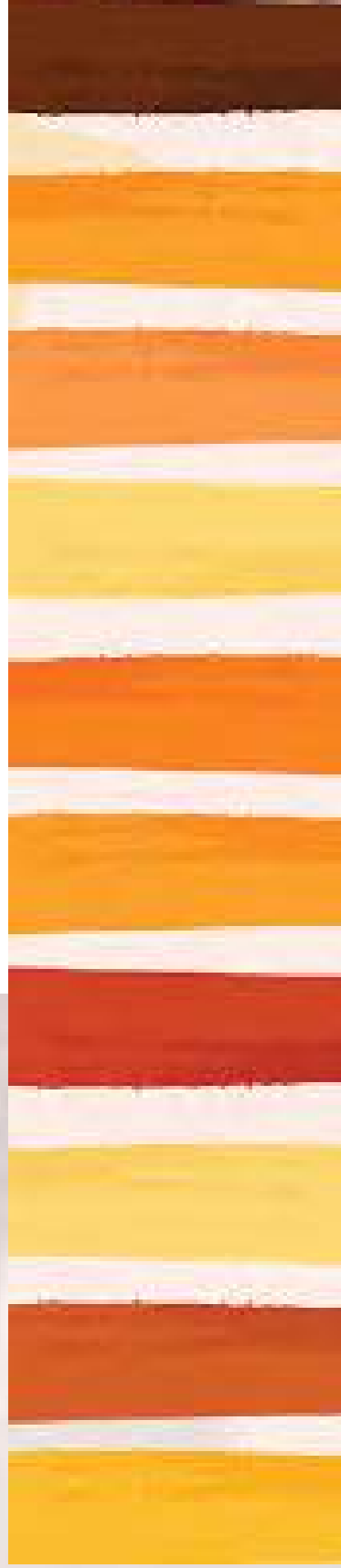
PEDESTRIAN GREEN BRIDGE, KAZAKHSTAN

Programs are separated

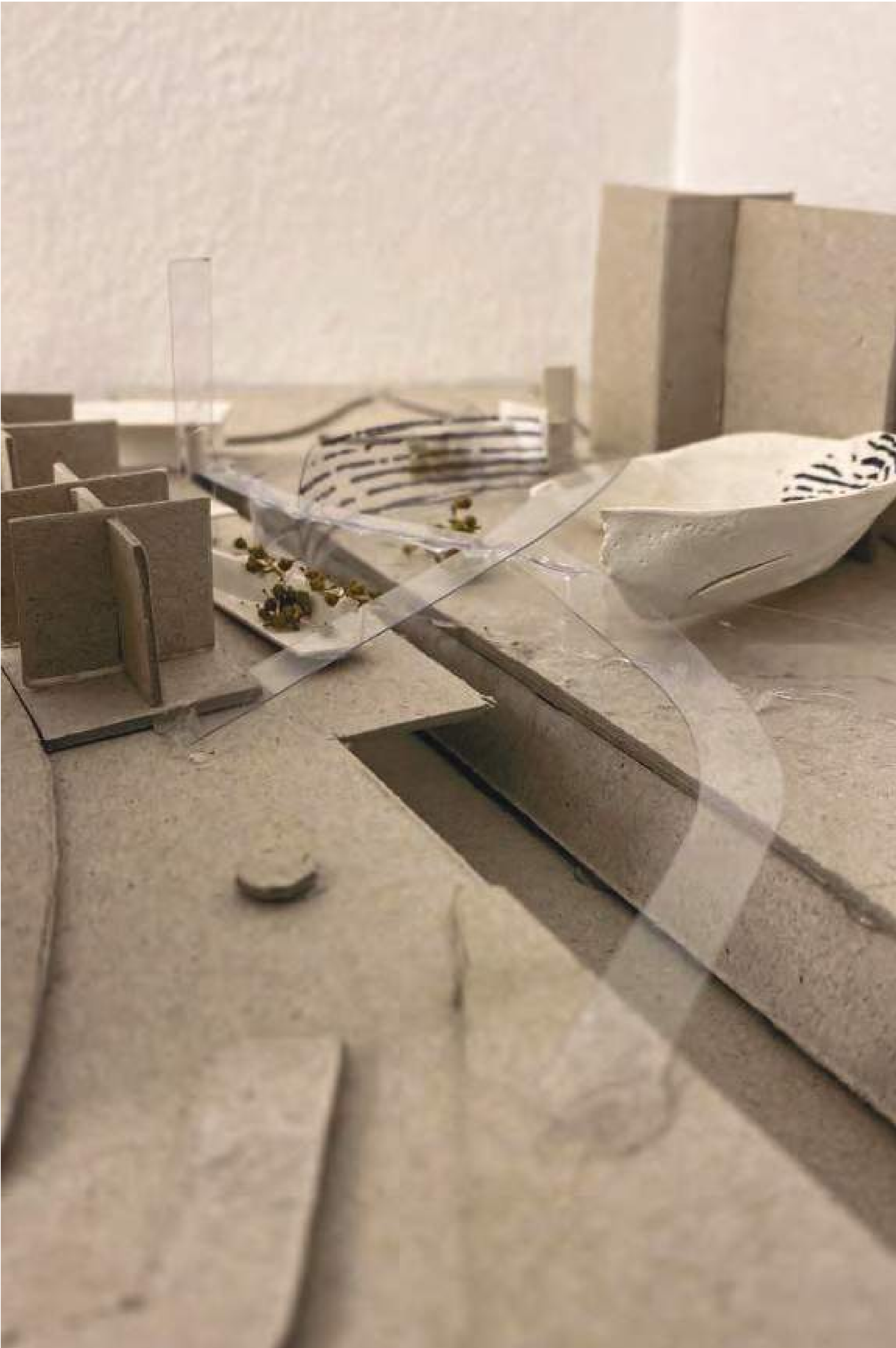
EVENT SPACE



FIRST ITERATION- EVENT SPACE



Central stage



Pedestrian ramps

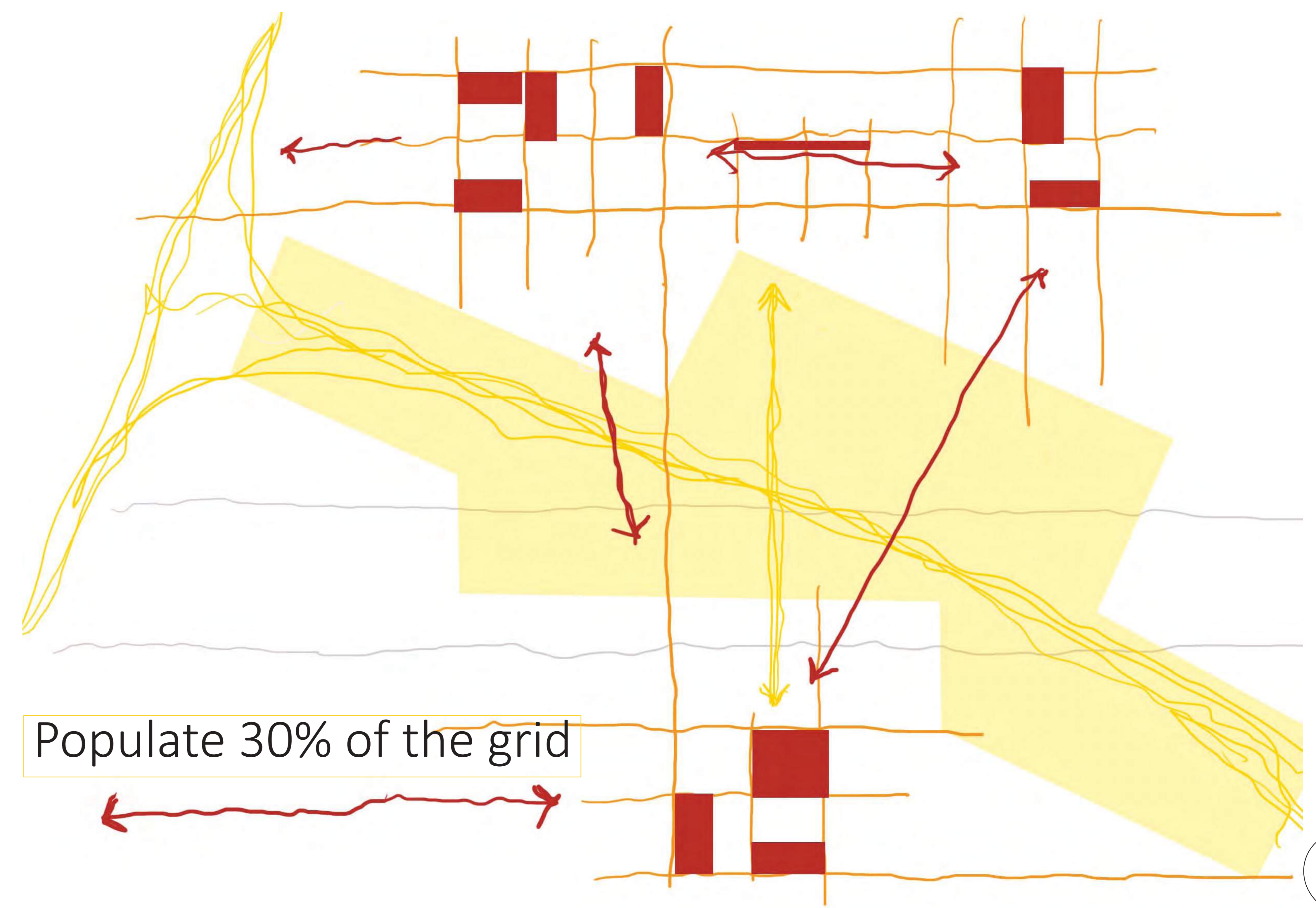
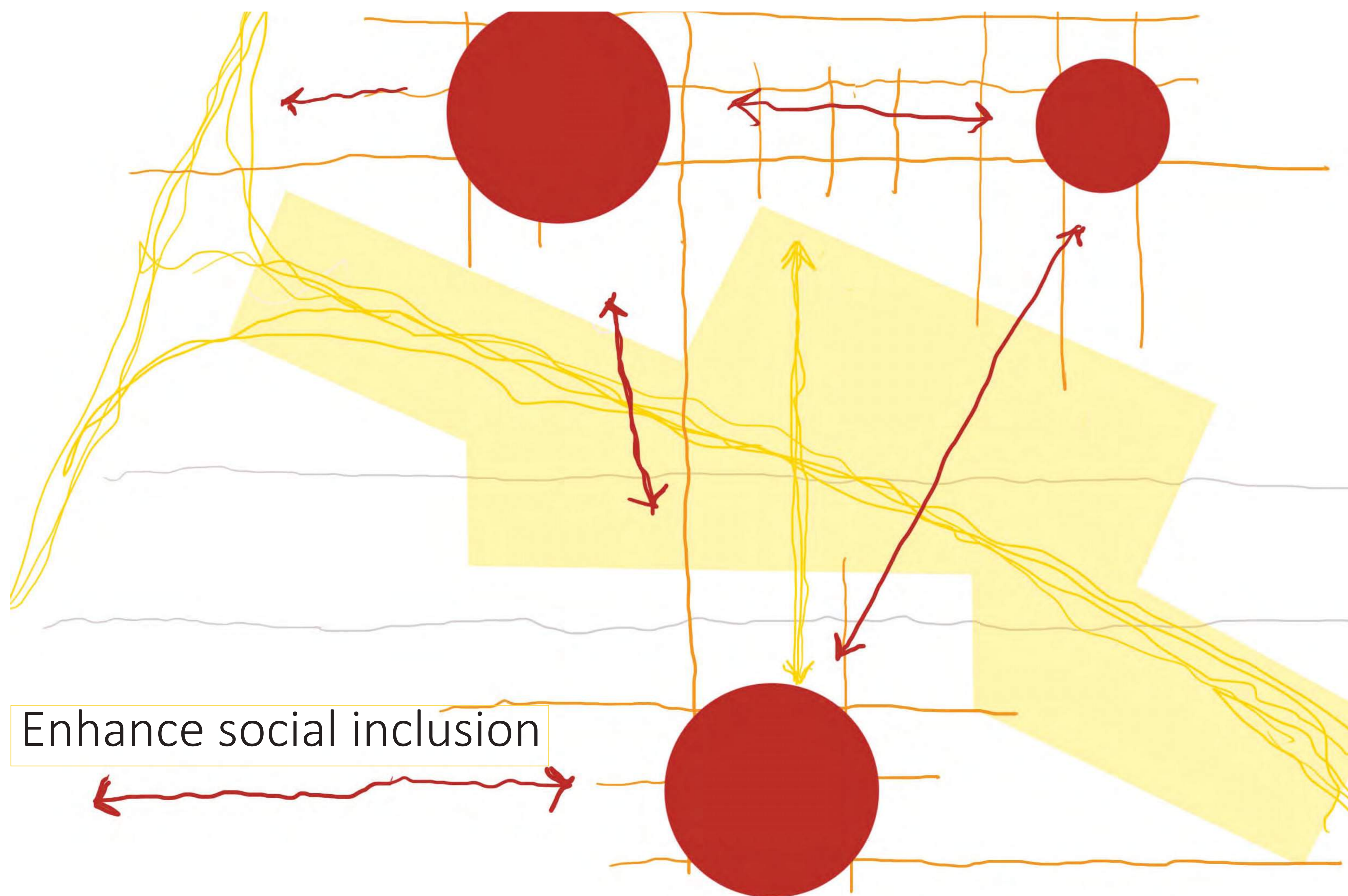
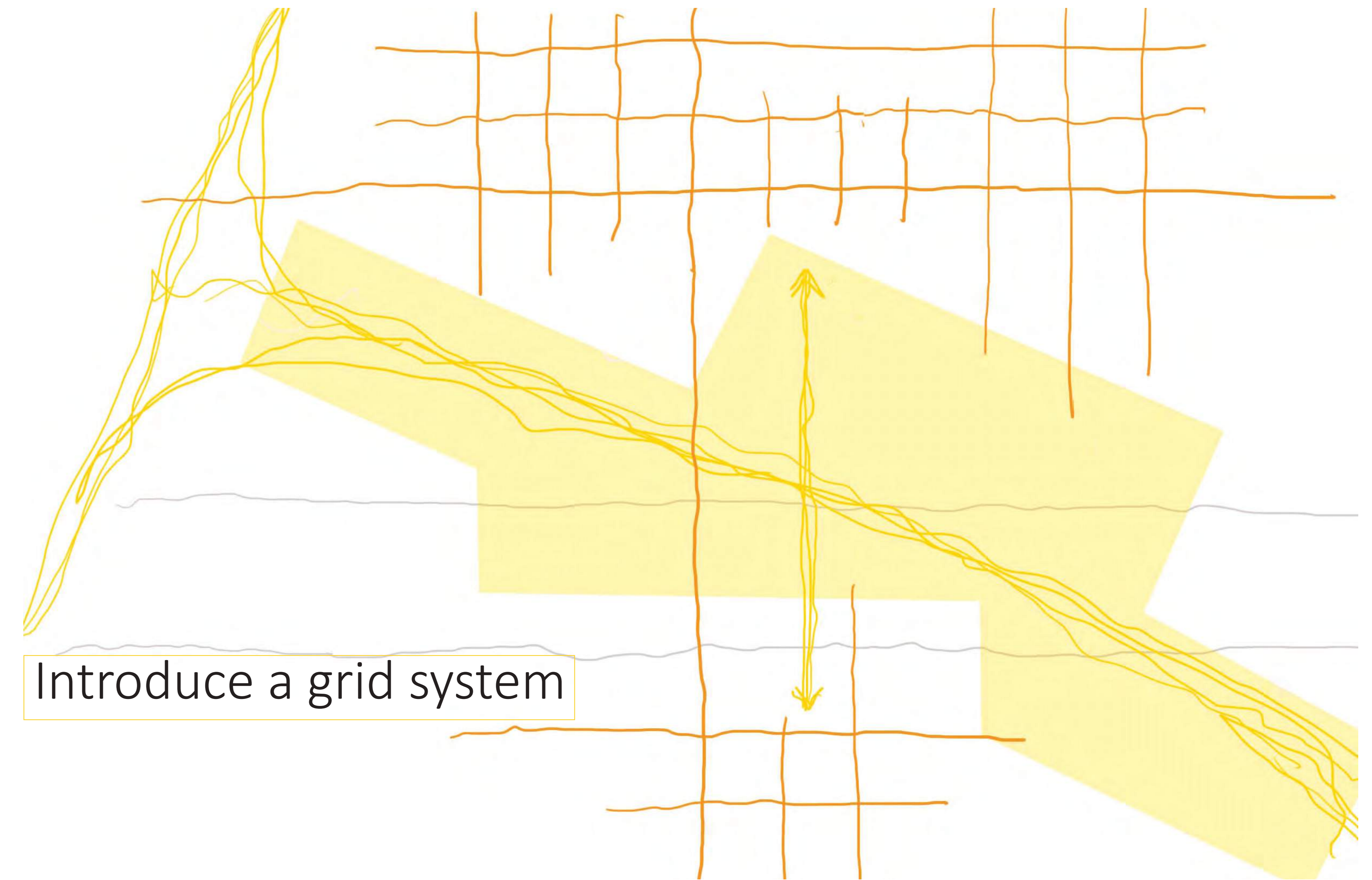
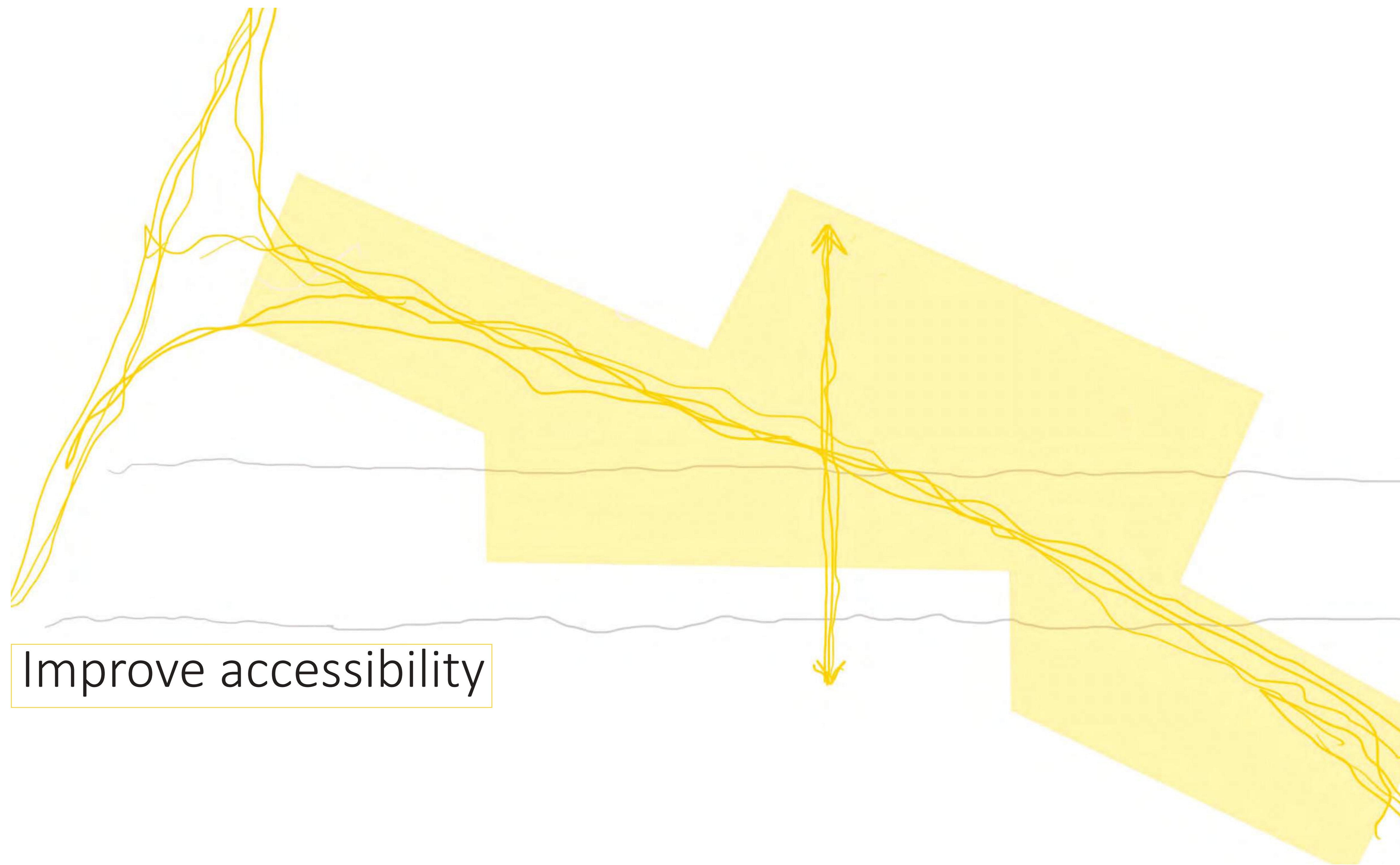


Interactive edge

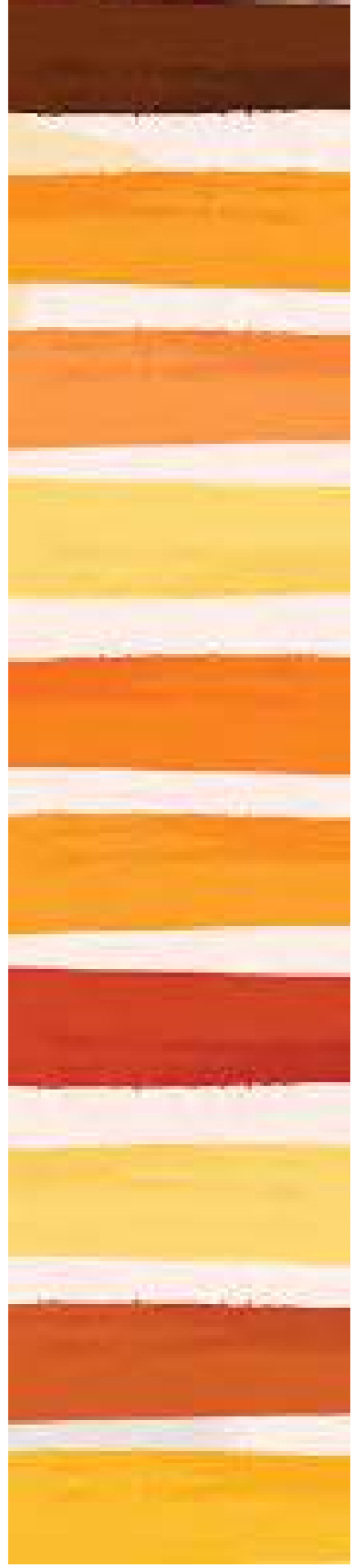


Amphitheatre, single use

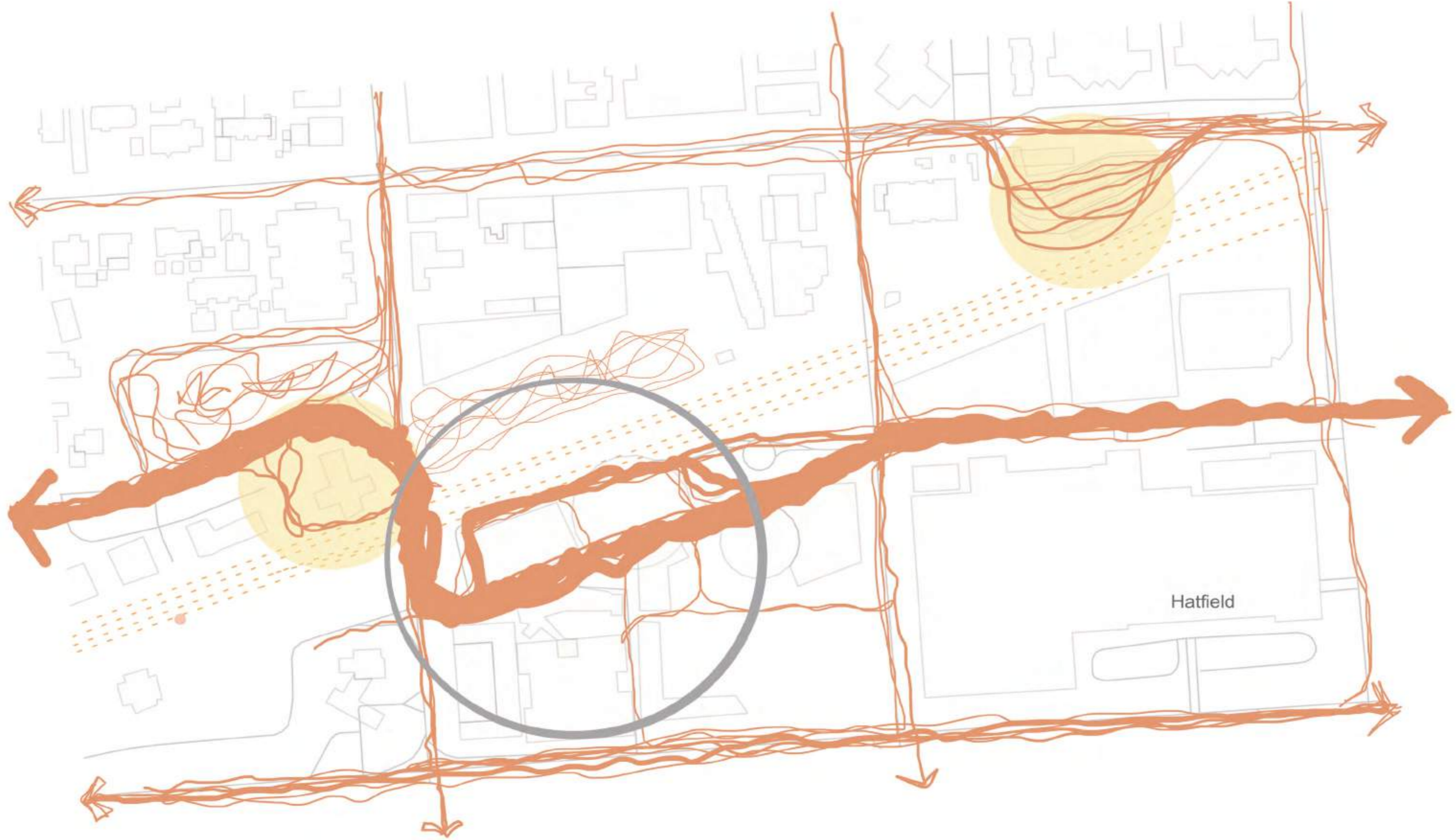
STRATEGY



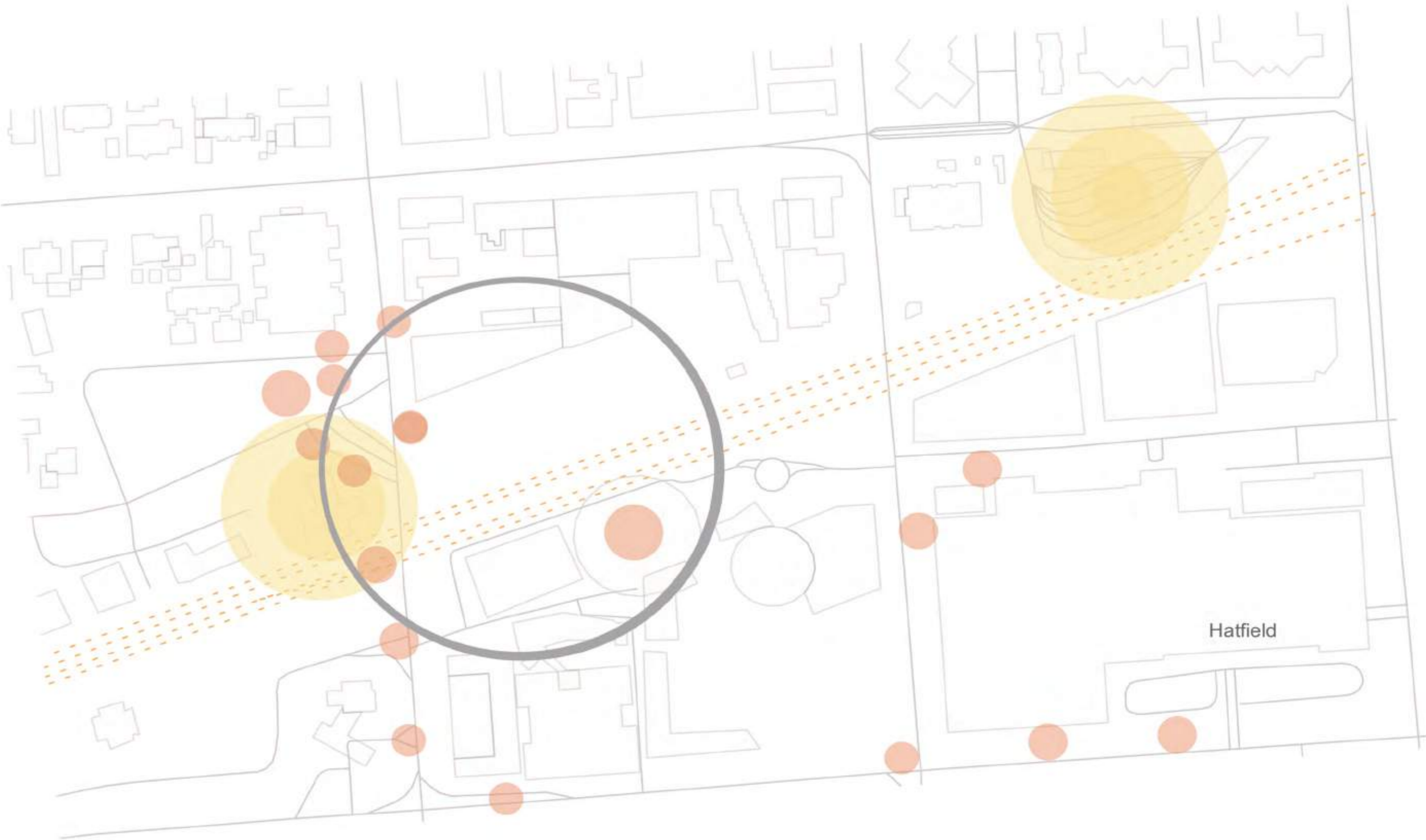
BRIDGE



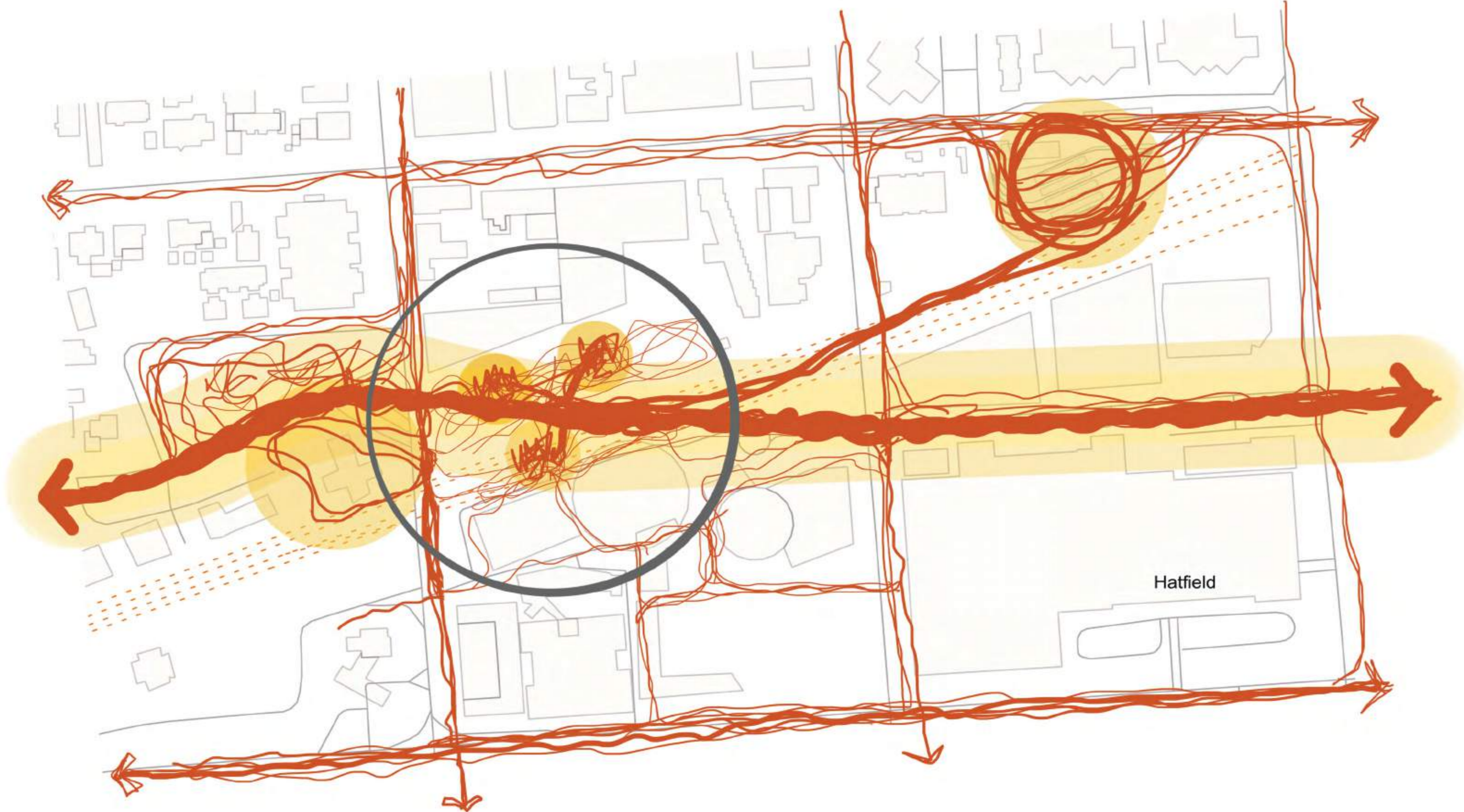
MOVEMENT BEFORE



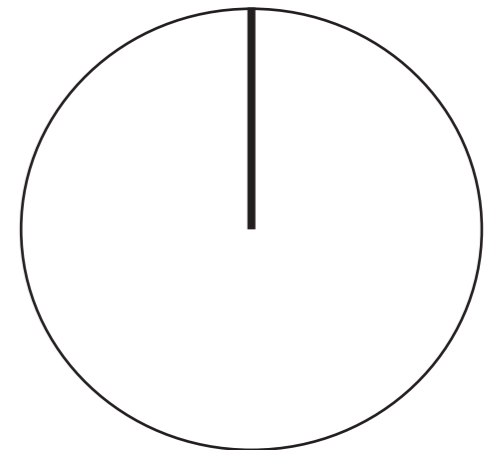
RETAIL BEFORE



MOVEMENT AFTER

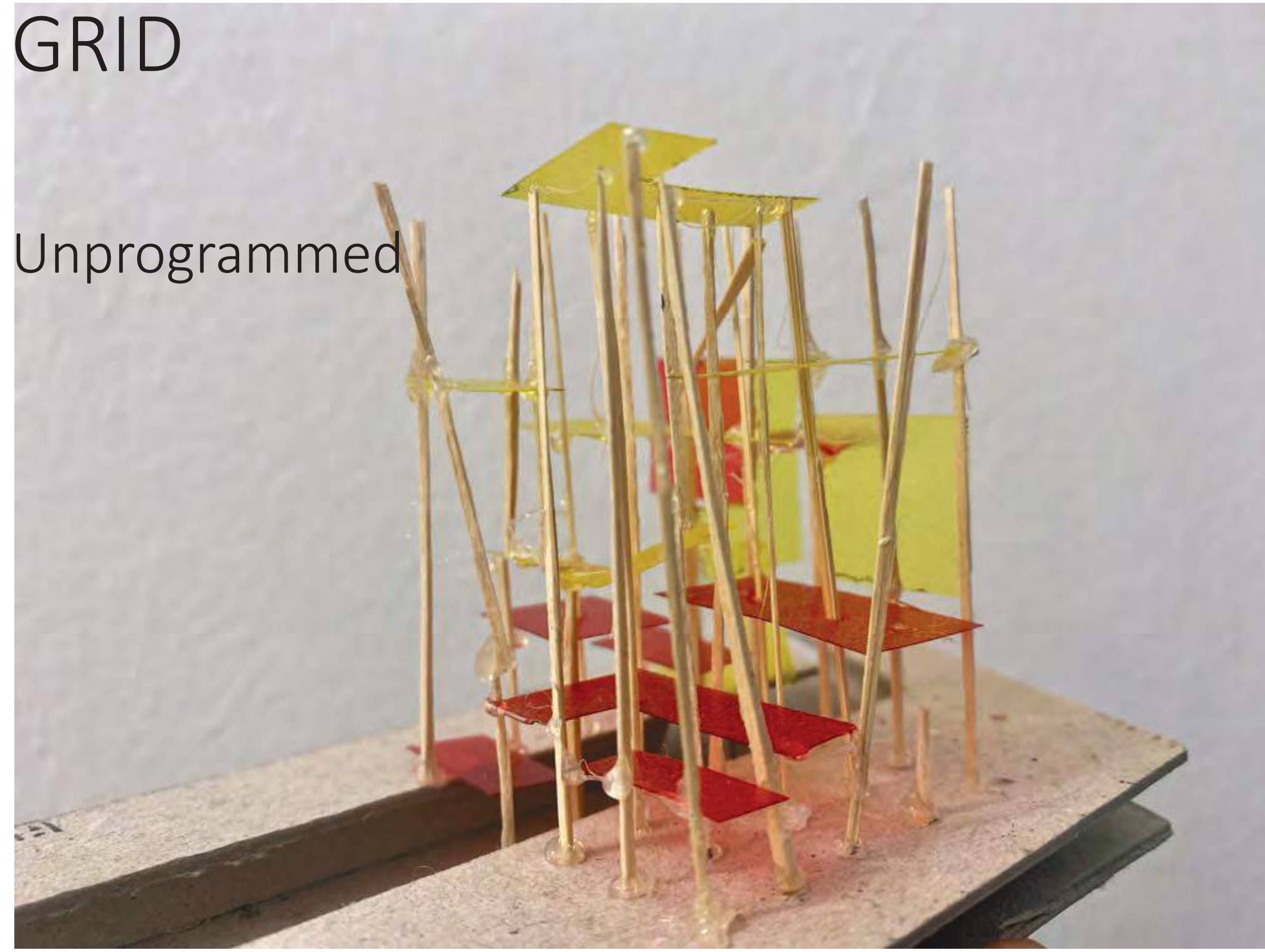


RETAIL AFTER

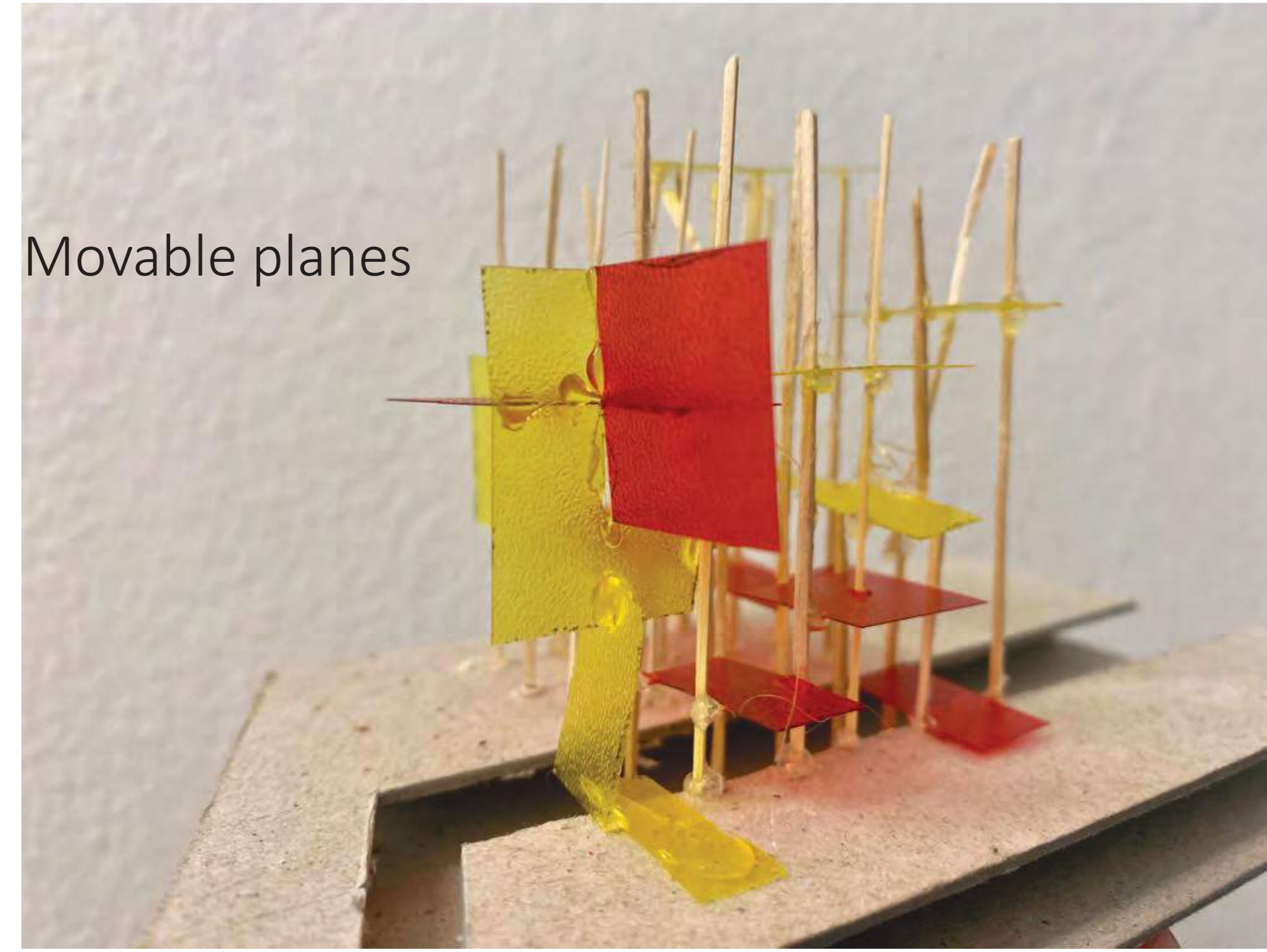


GRID

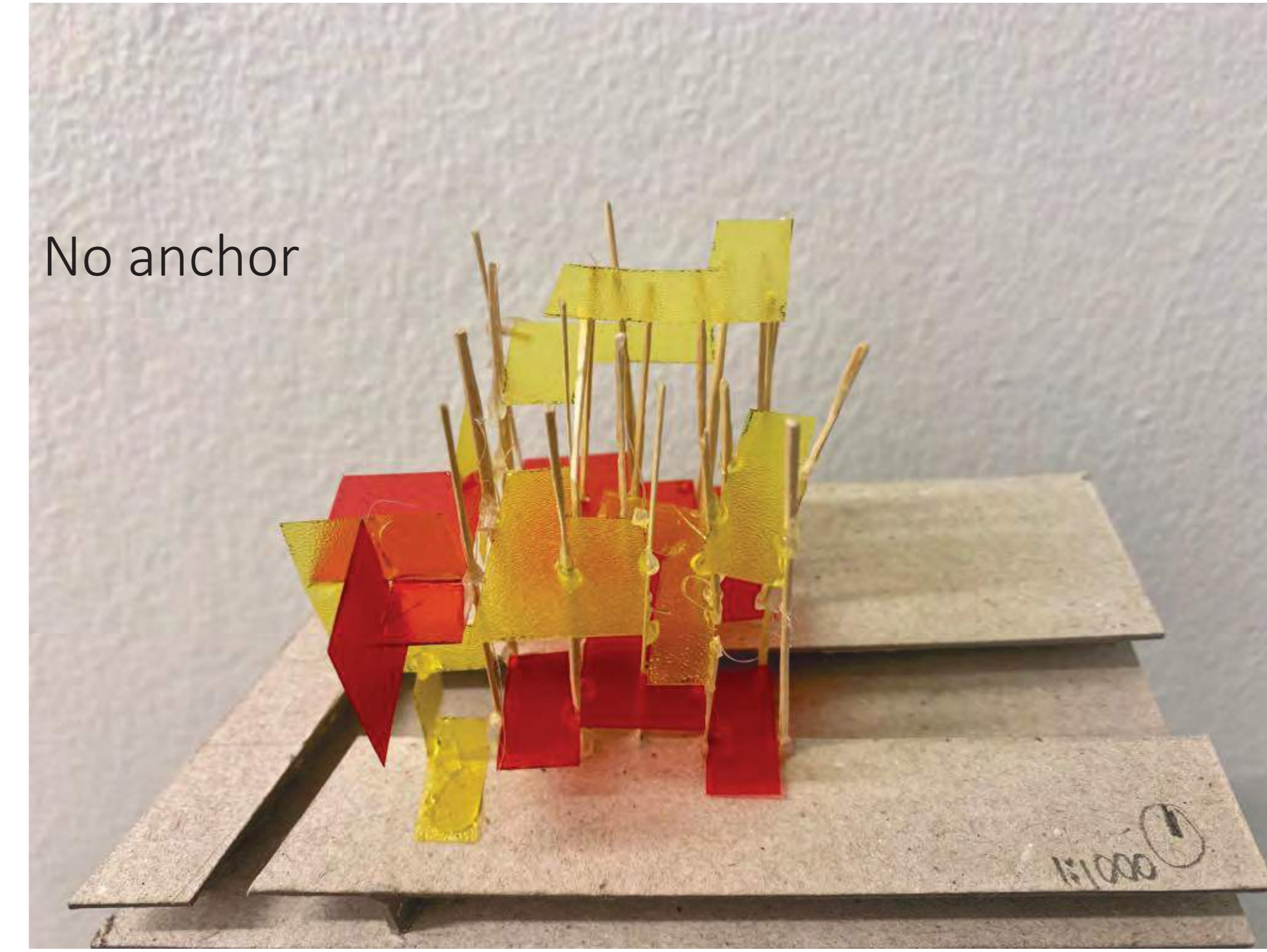
Unprogrammed



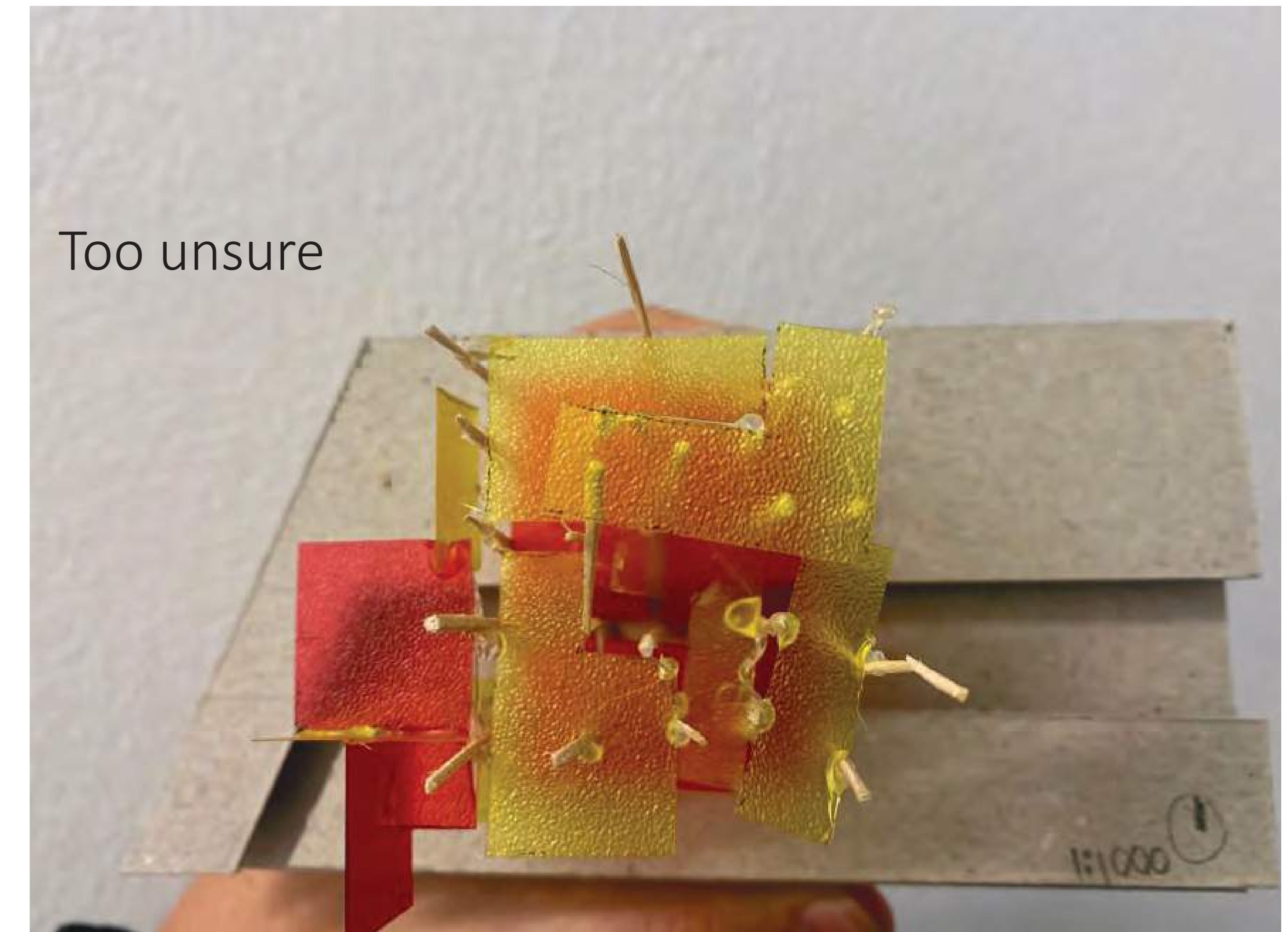
Movable planes



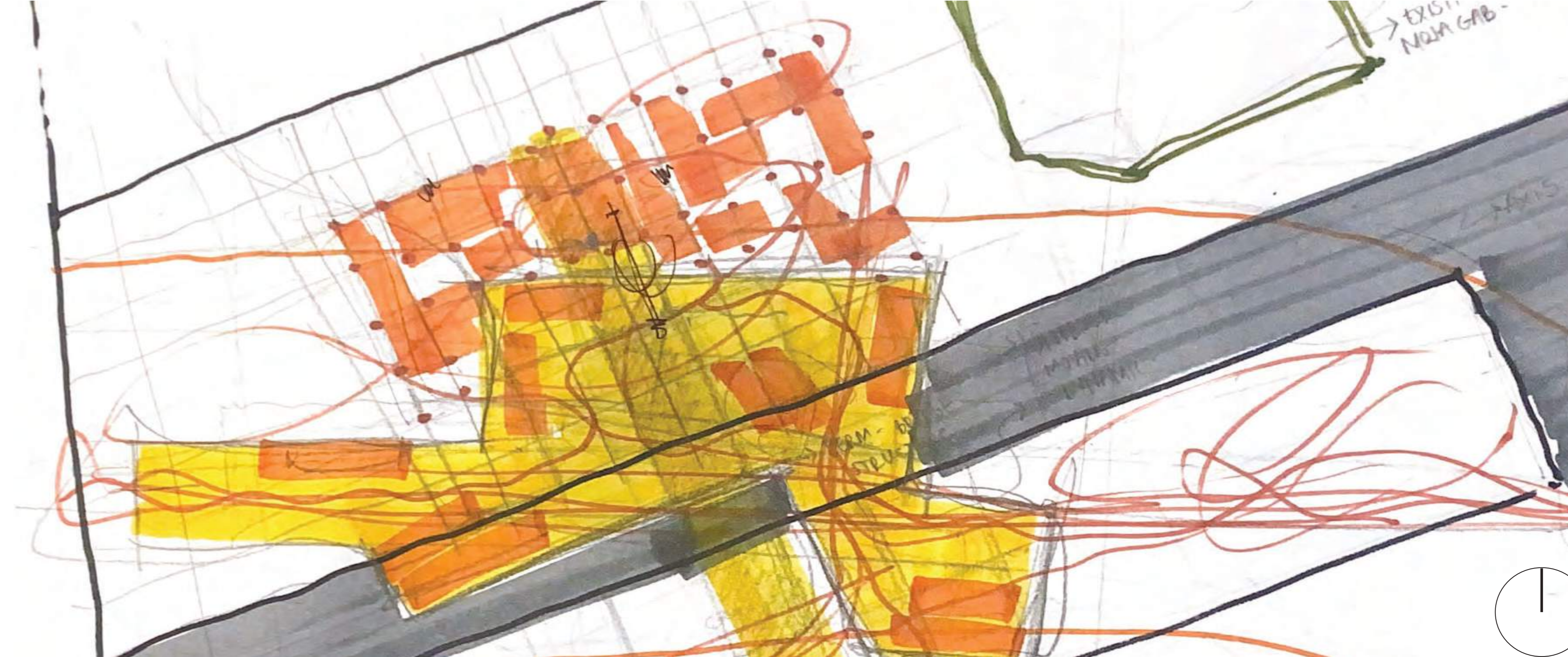
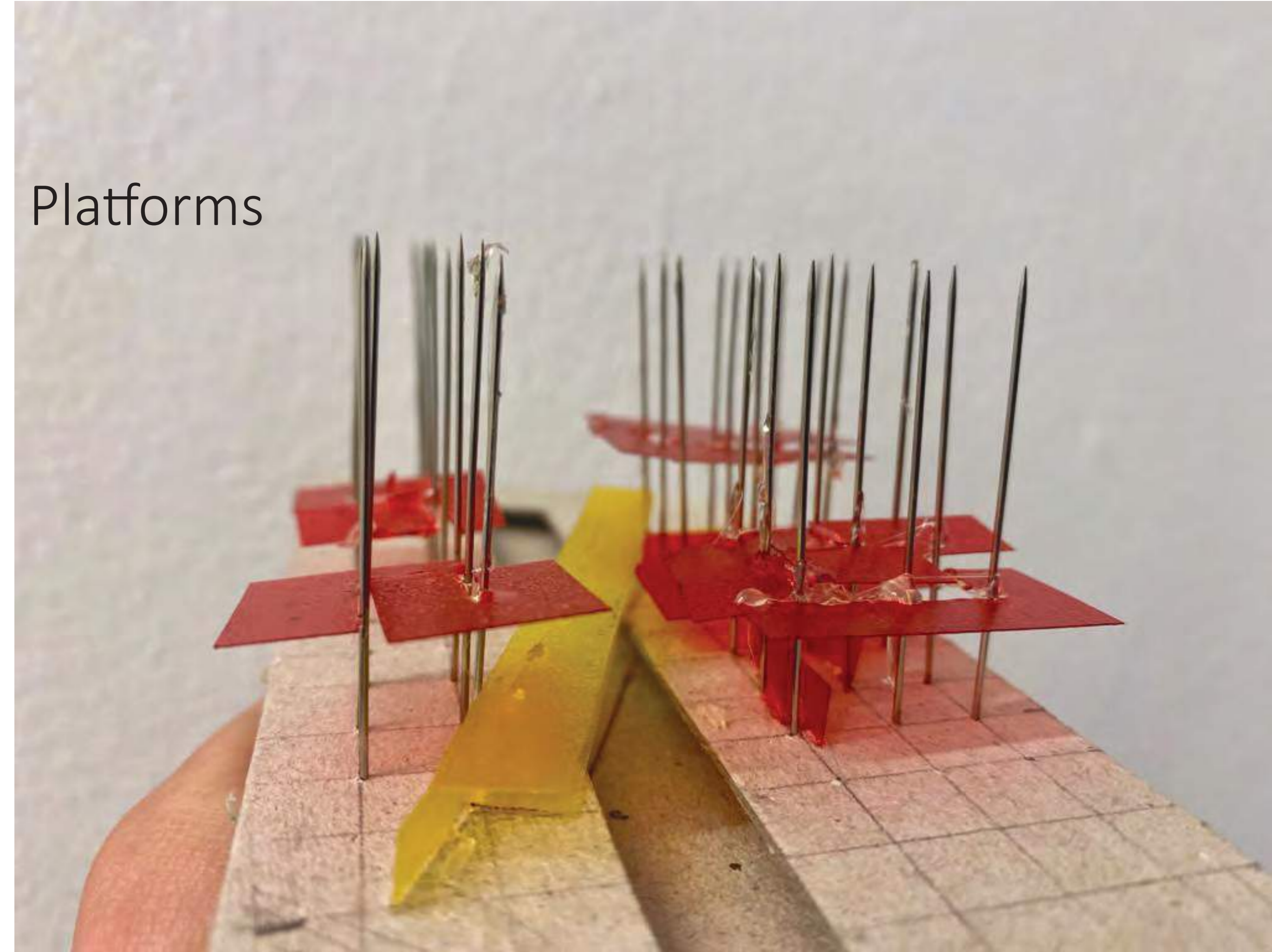
No anchor



Too unsure



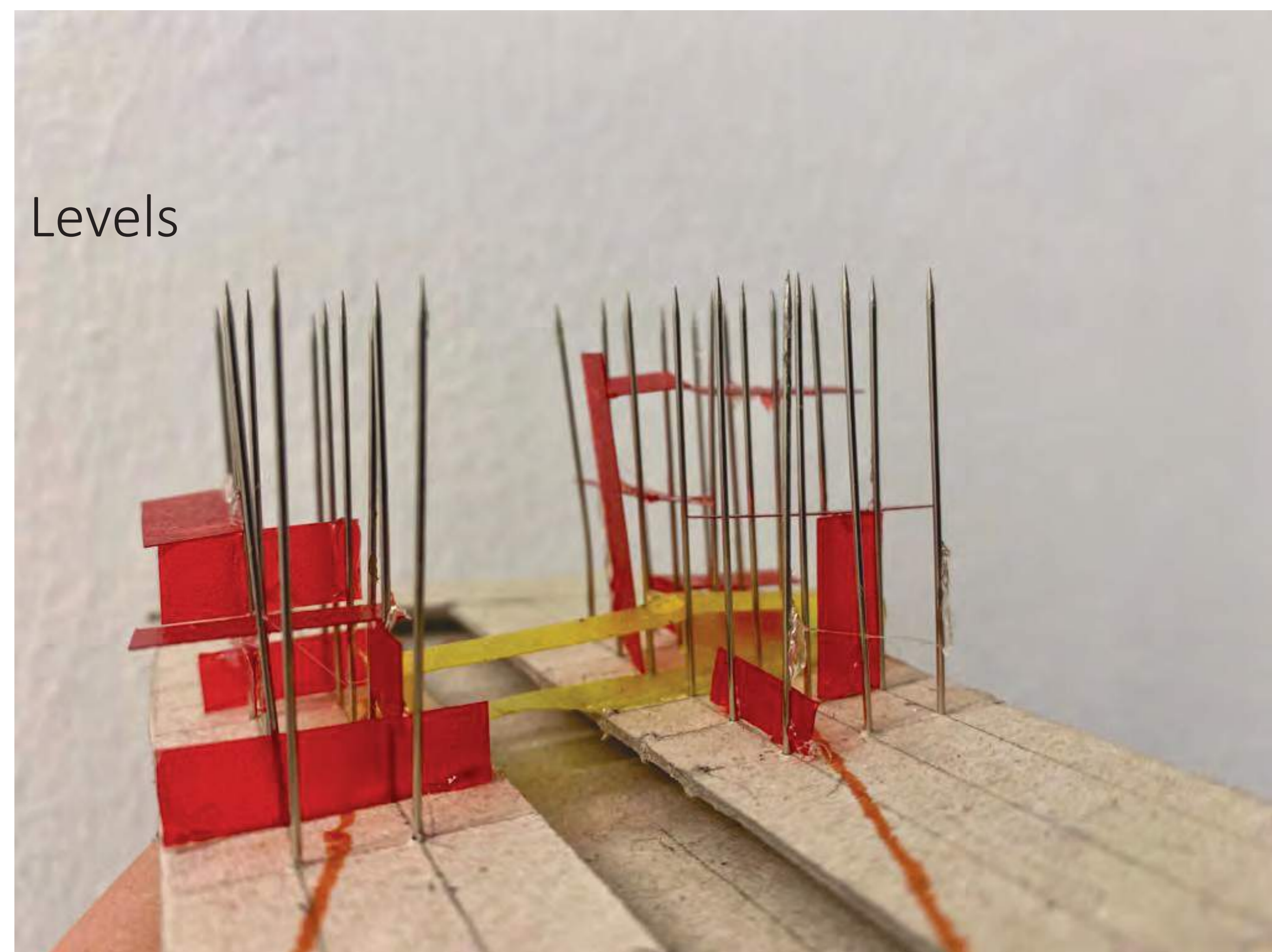
Platforms



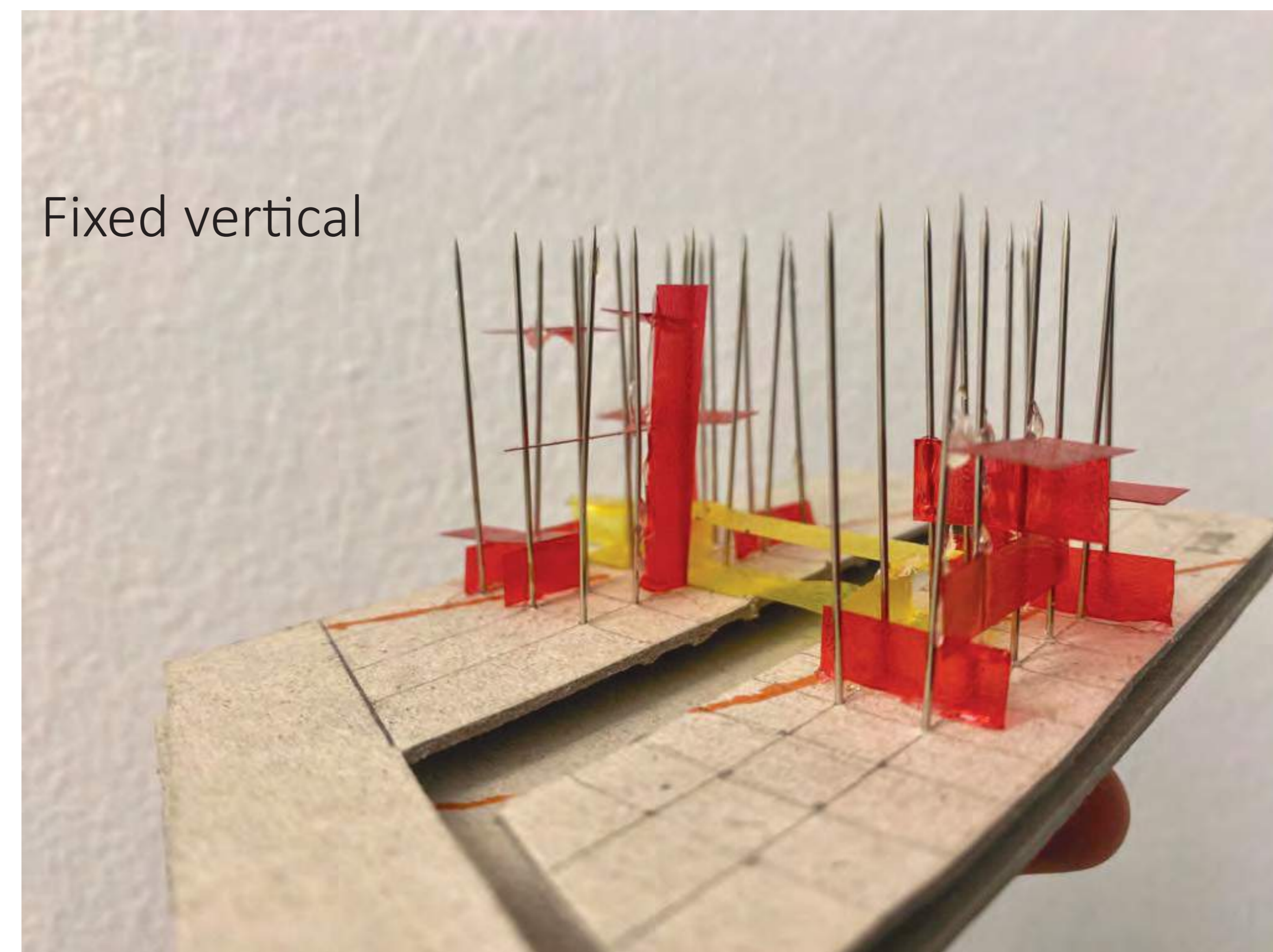
Diagonal bridge



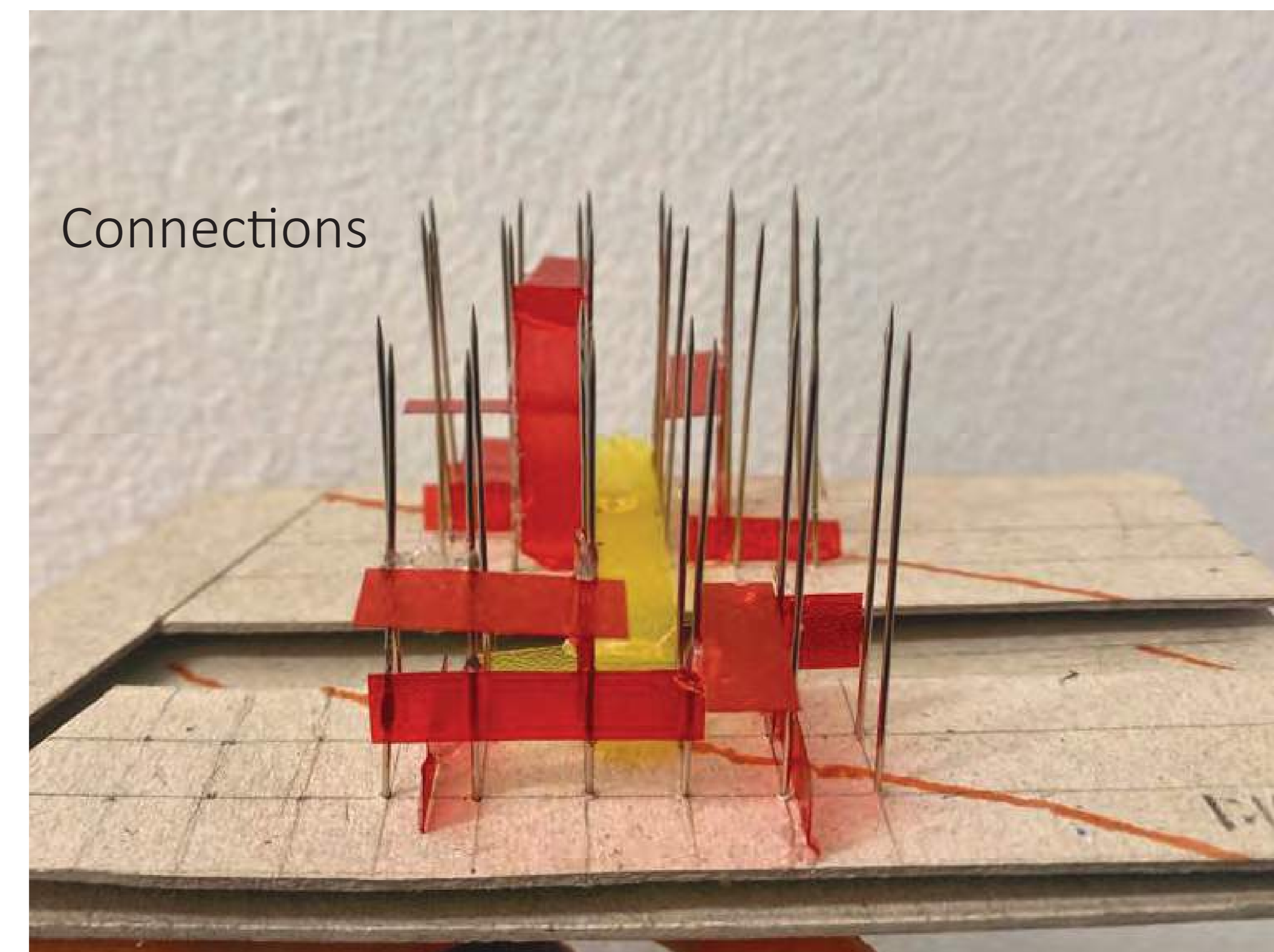
Levels



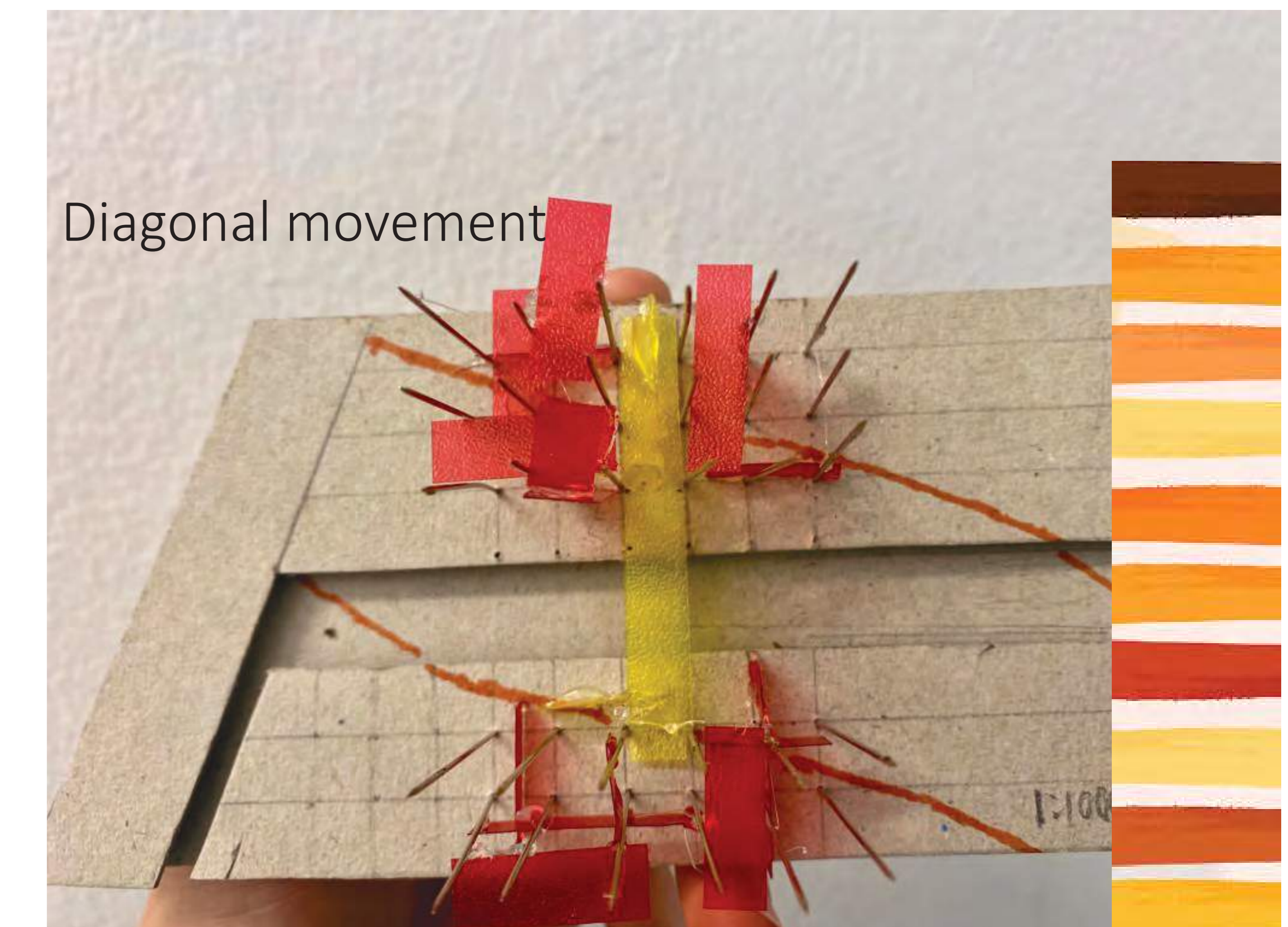
Fixed vertical



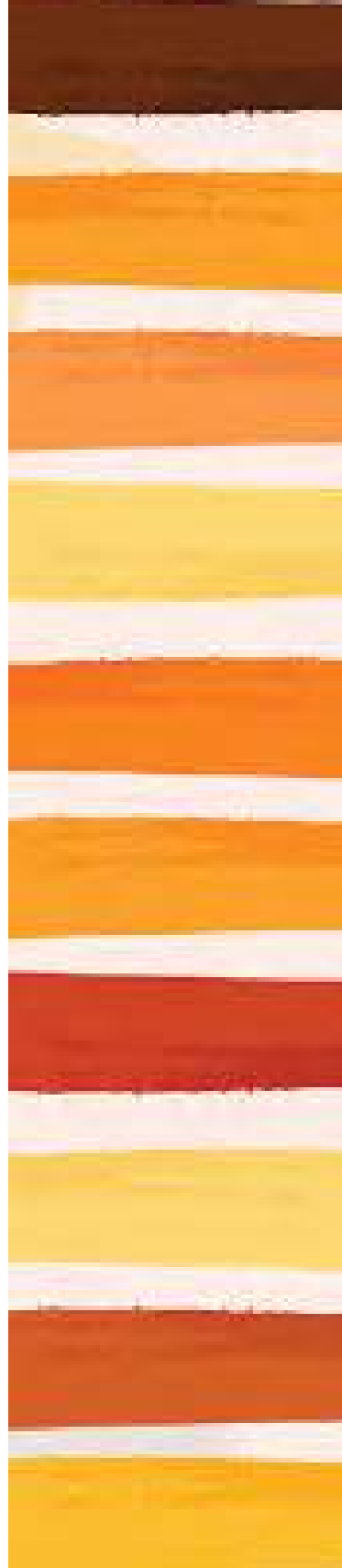
Connections



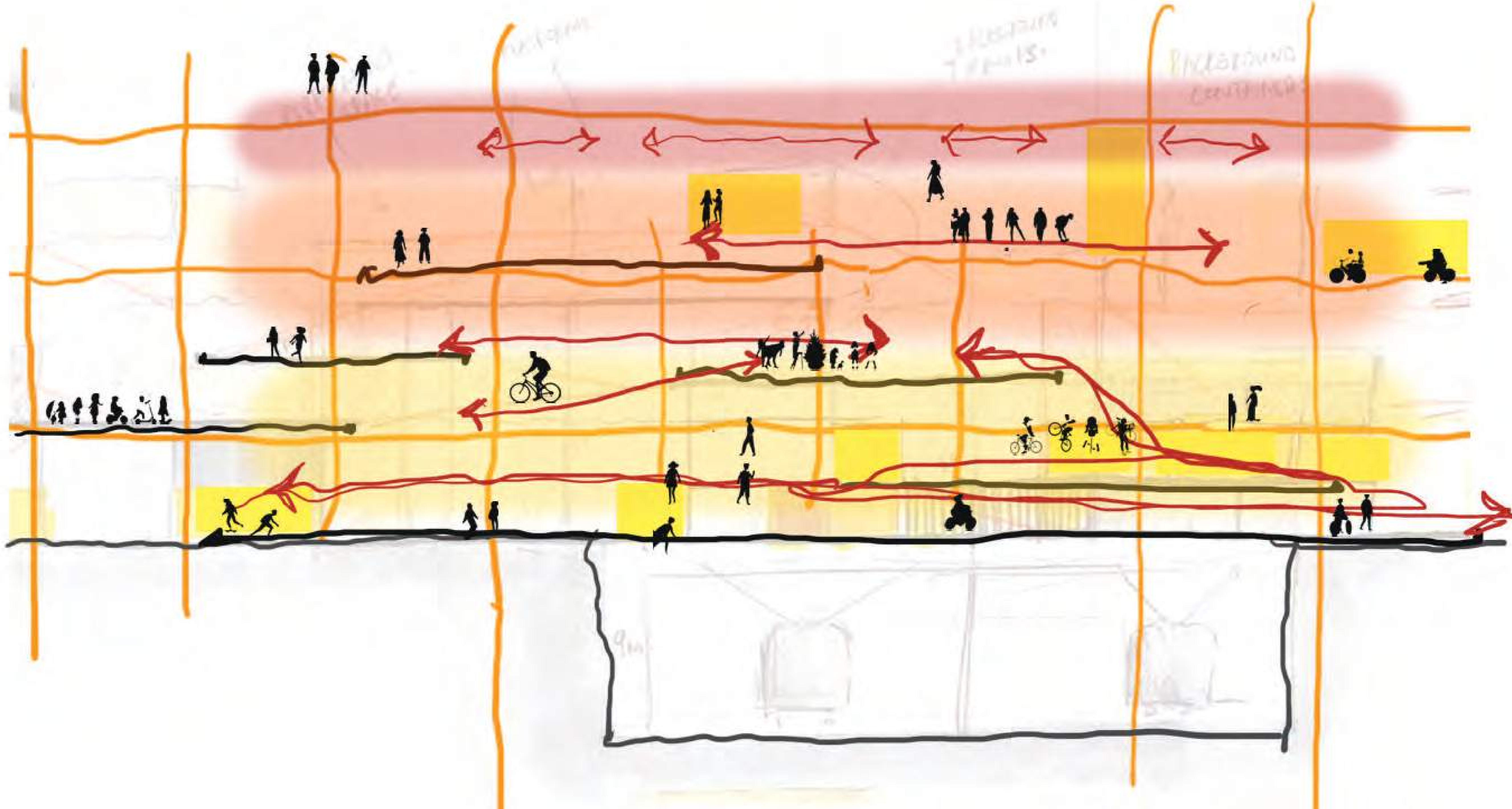
Diagonal movement



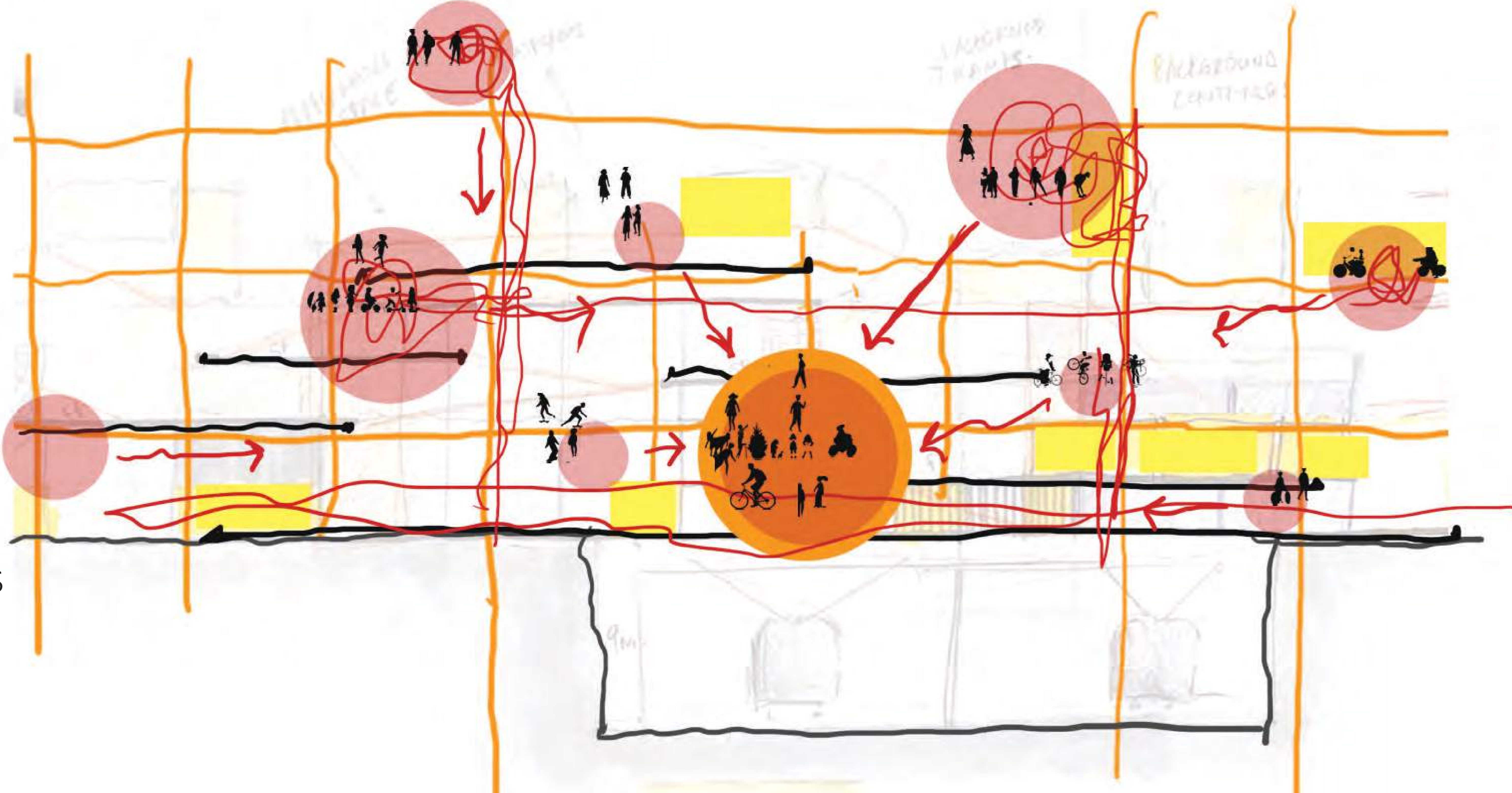
SOCIAL INCLUSION



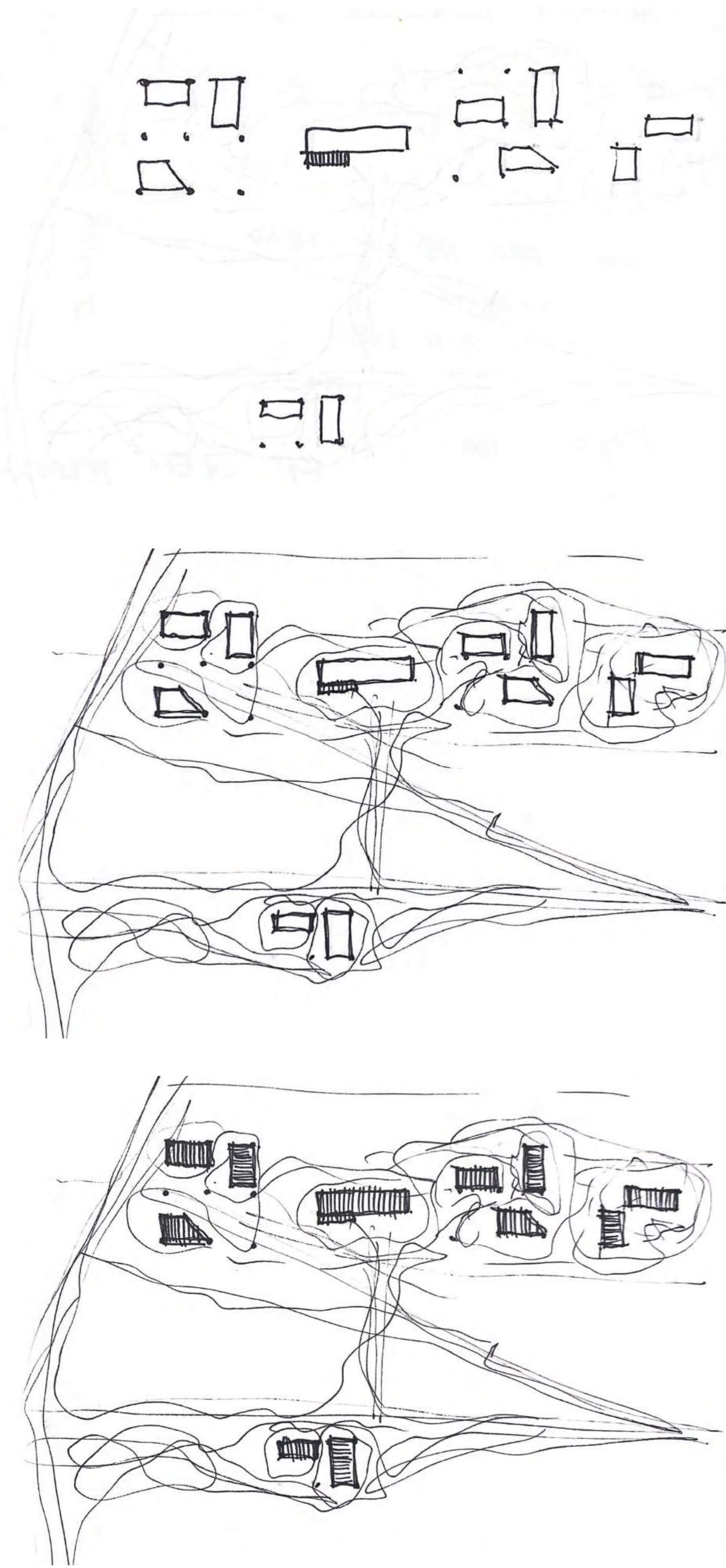
DAILY



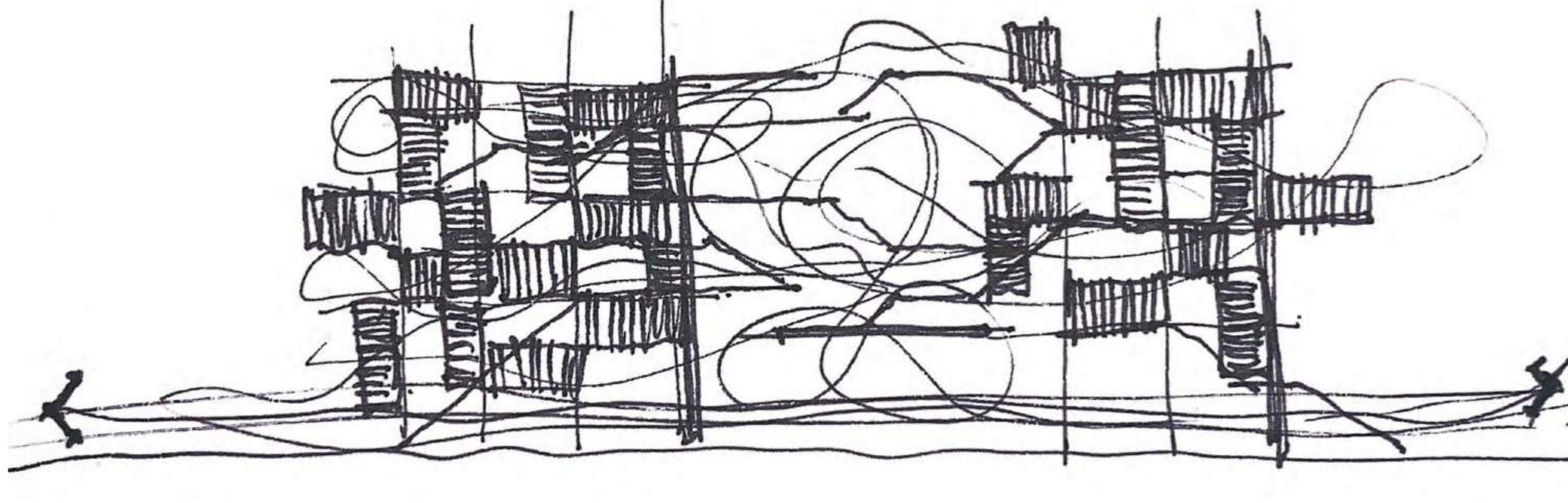
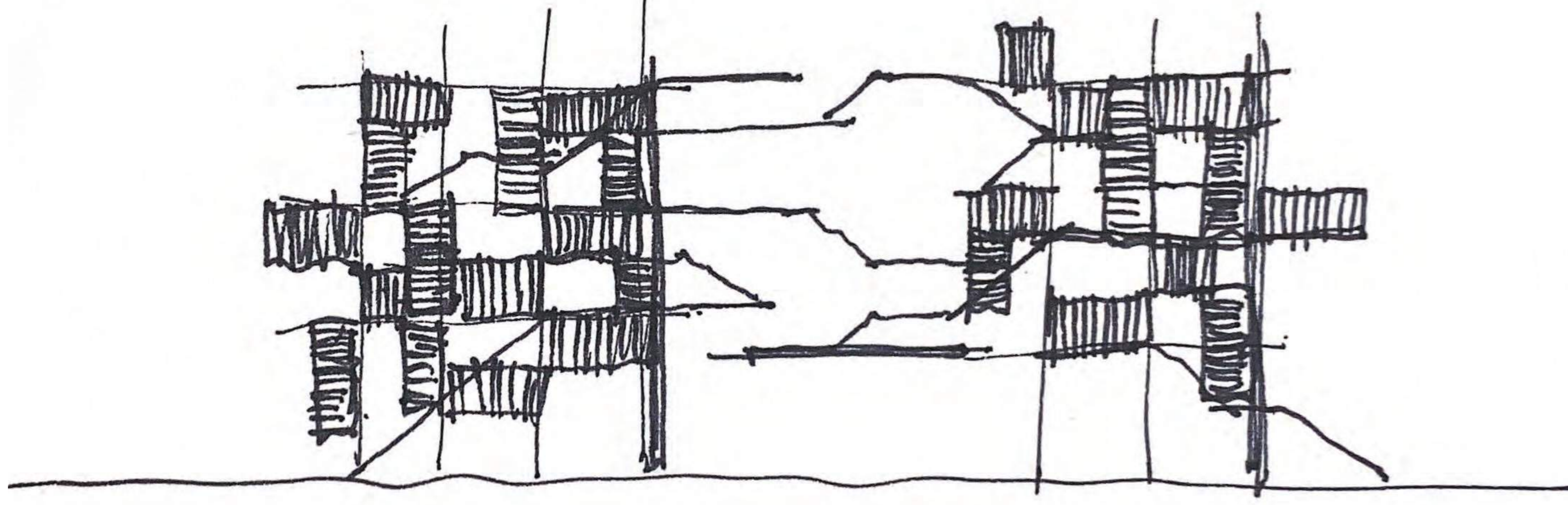
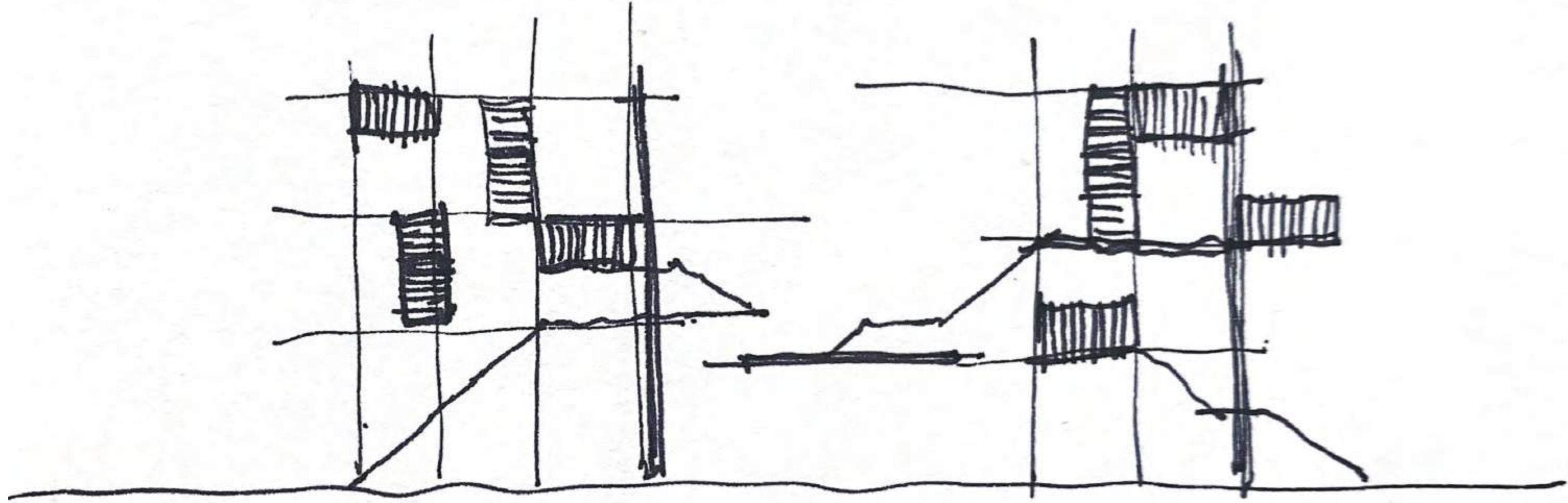
EVENINGS



CONTAINERS

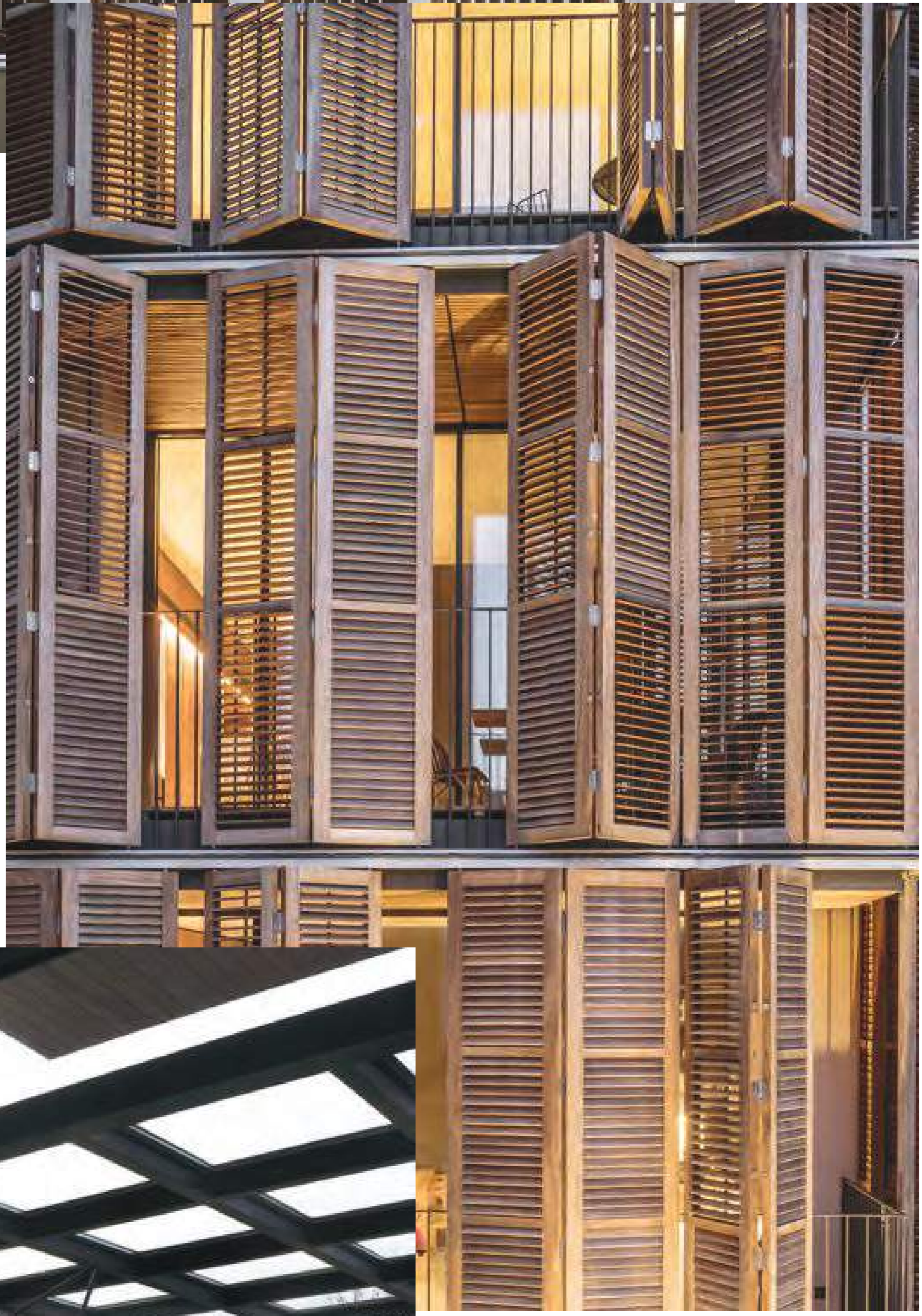


ADAPTABLE



TIME EFFICIENT

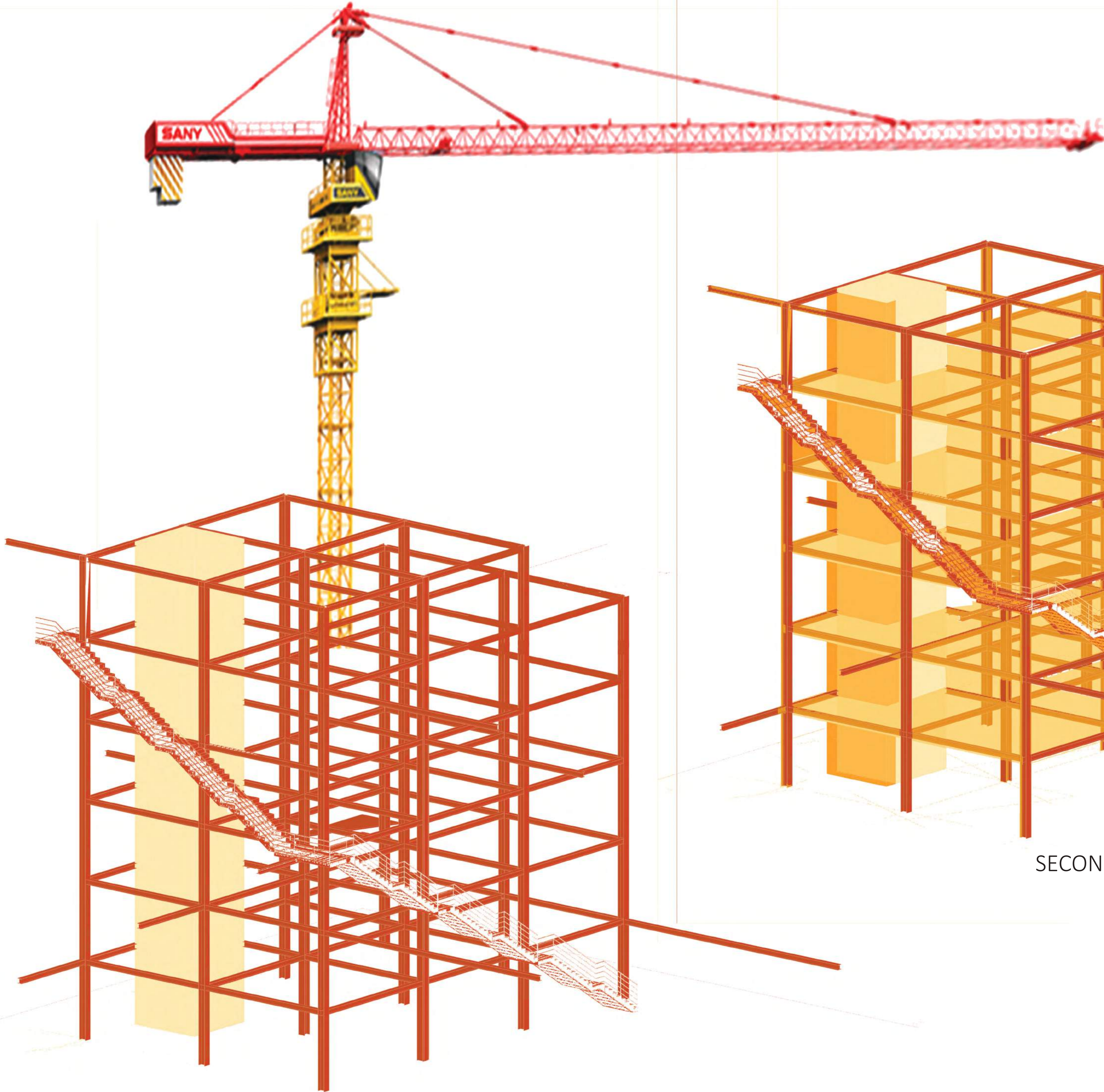
BUILDING BLOCKS



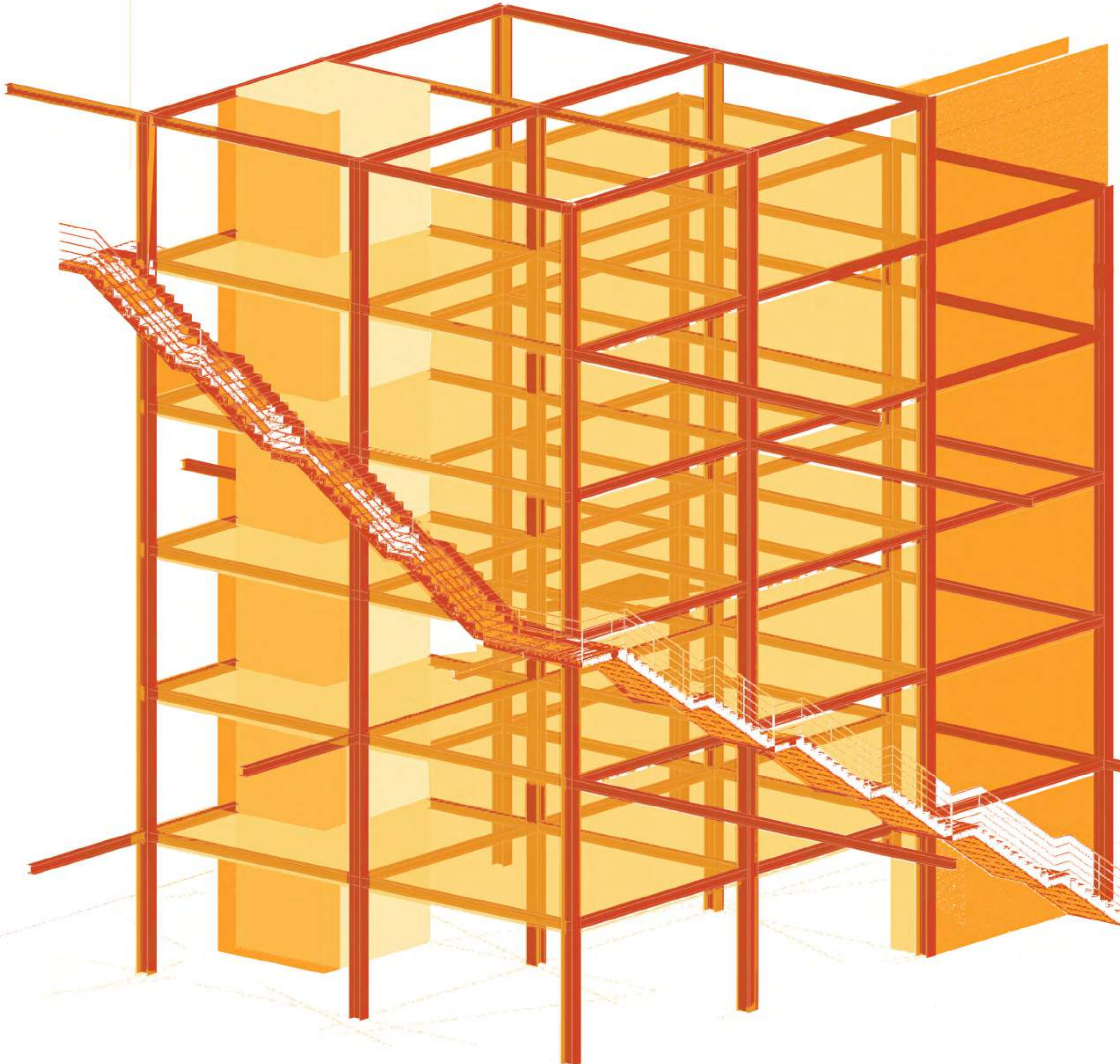
EXPANDING



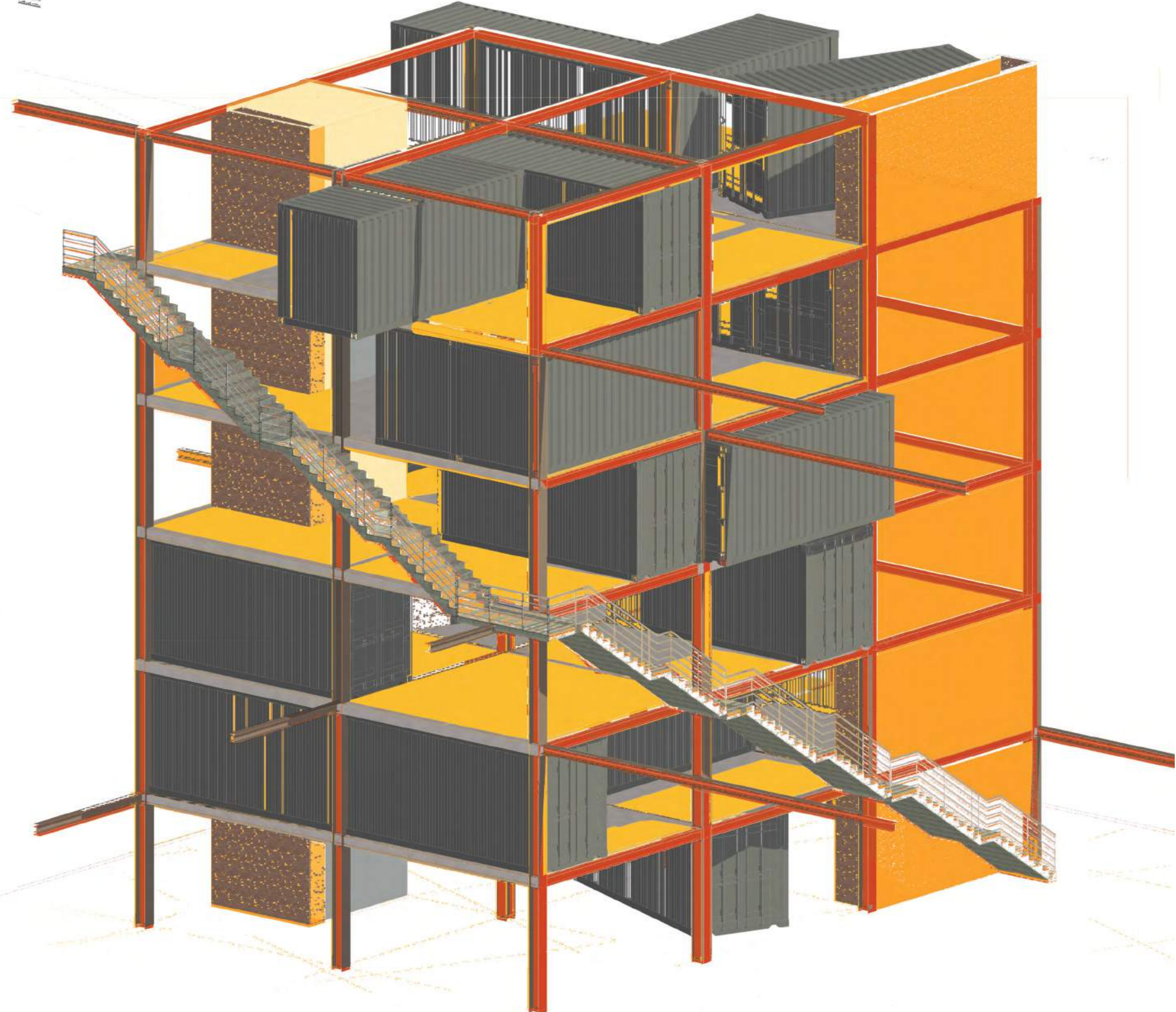
STRUCTURE



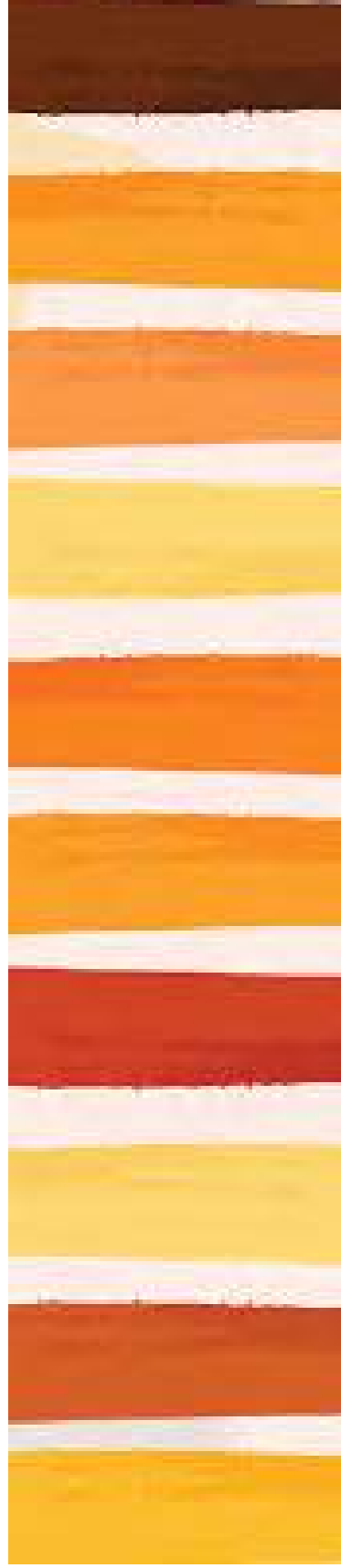
PRIMARY STRUCTURE



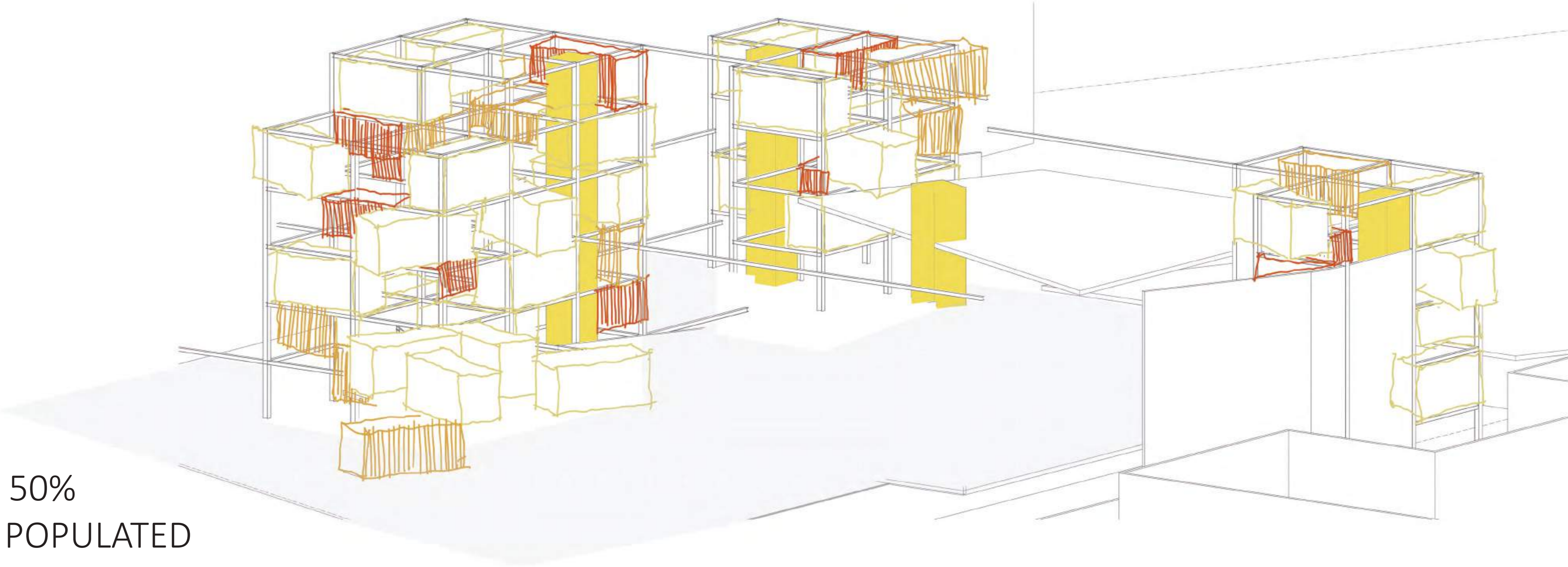
SECONDARY STRUCTURE



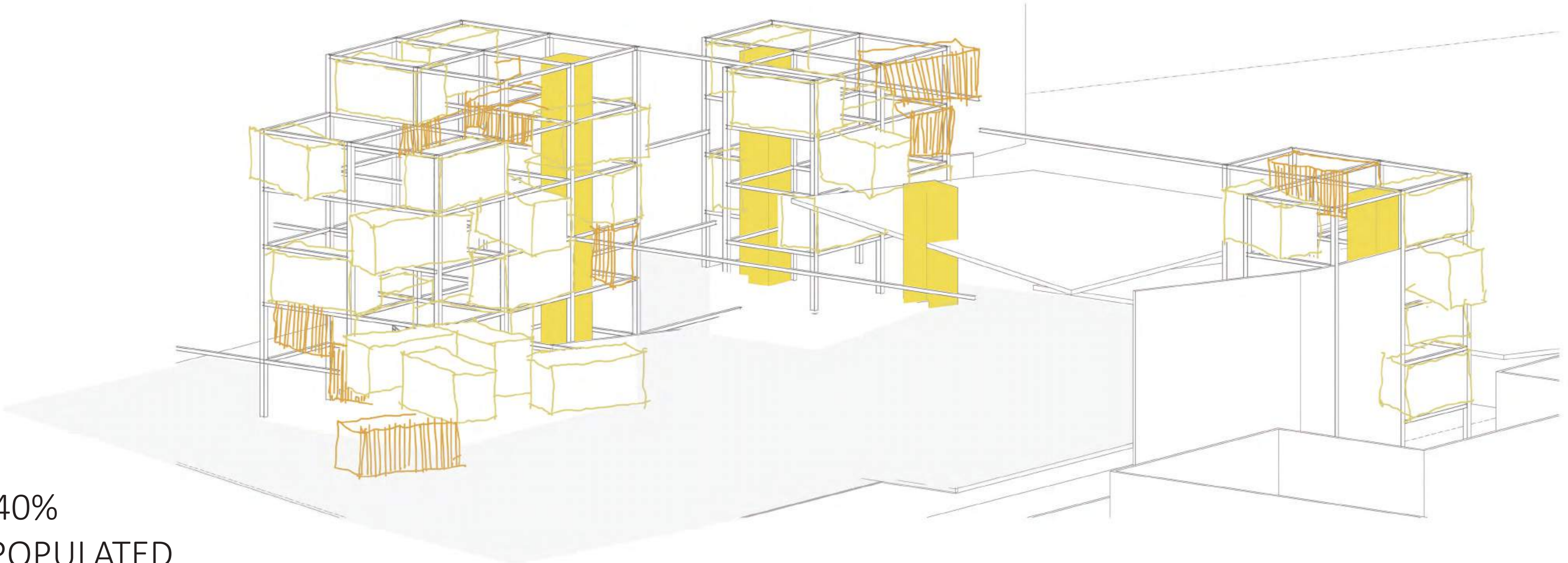
TERTIARY STRUCTURE



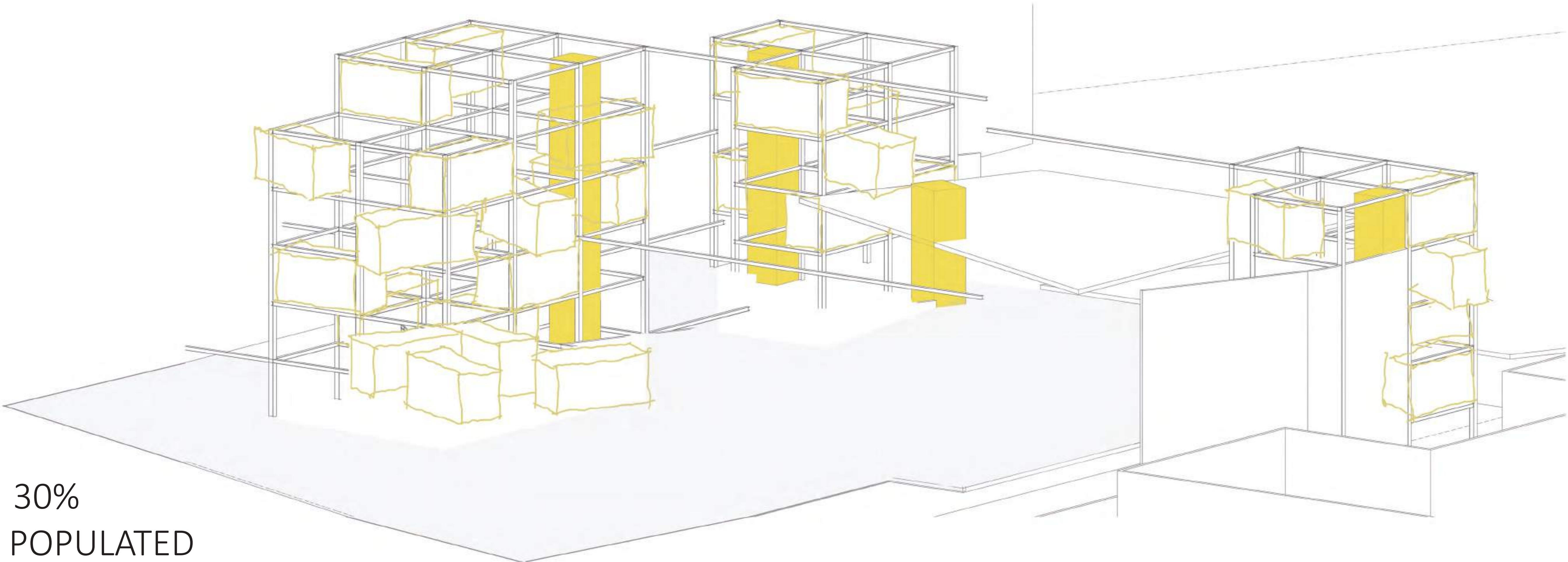
ADDING WITH TIME



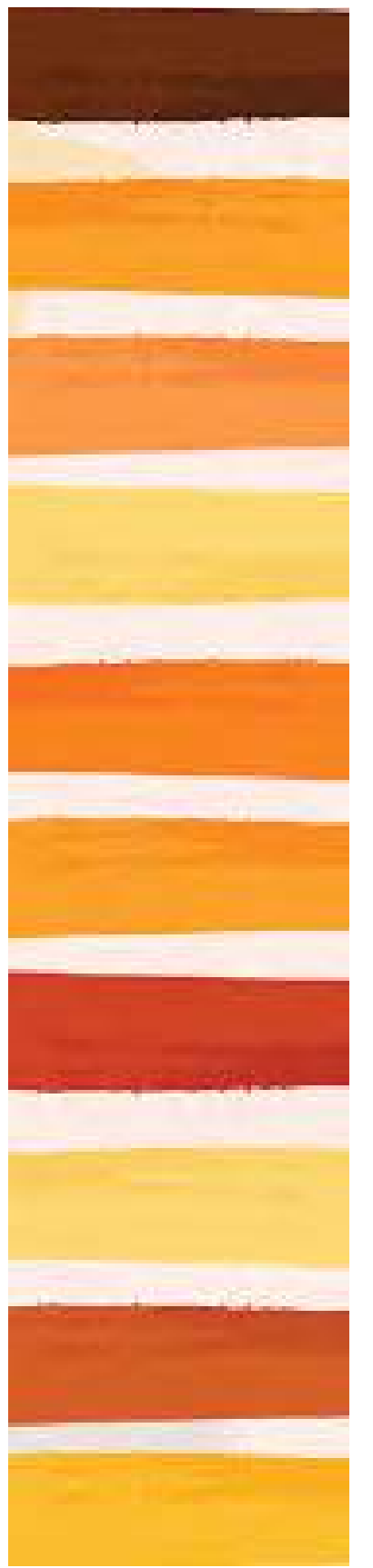
50%
POPULATED



40%
POPULATED



30%
POPULATED



PRECEDENTS AND MATERIALS

Great use of space
Active market
Shaded areas



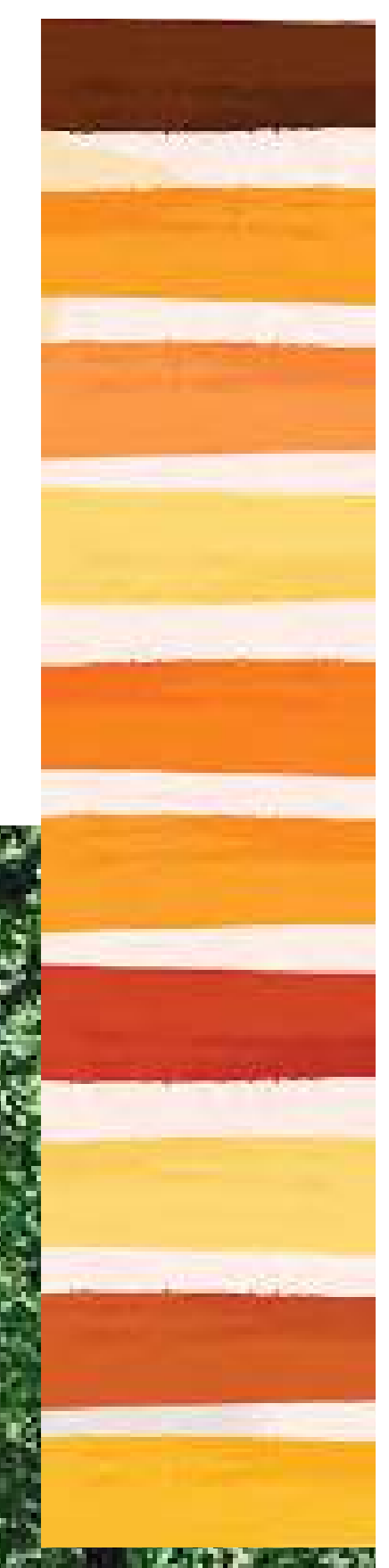
Good construction
Working spaces
Visual connections



Industrial feel
Active space
Connections



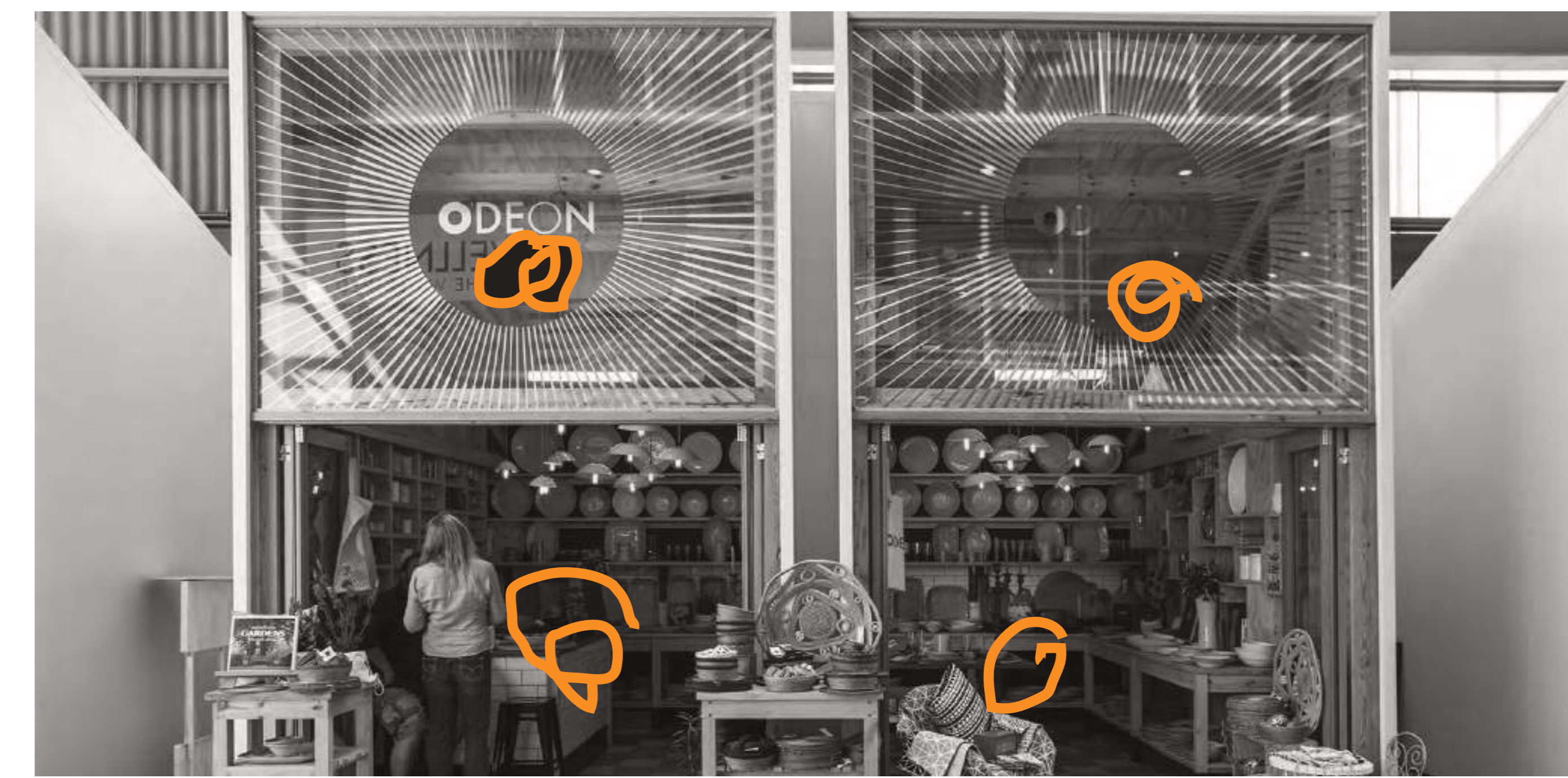
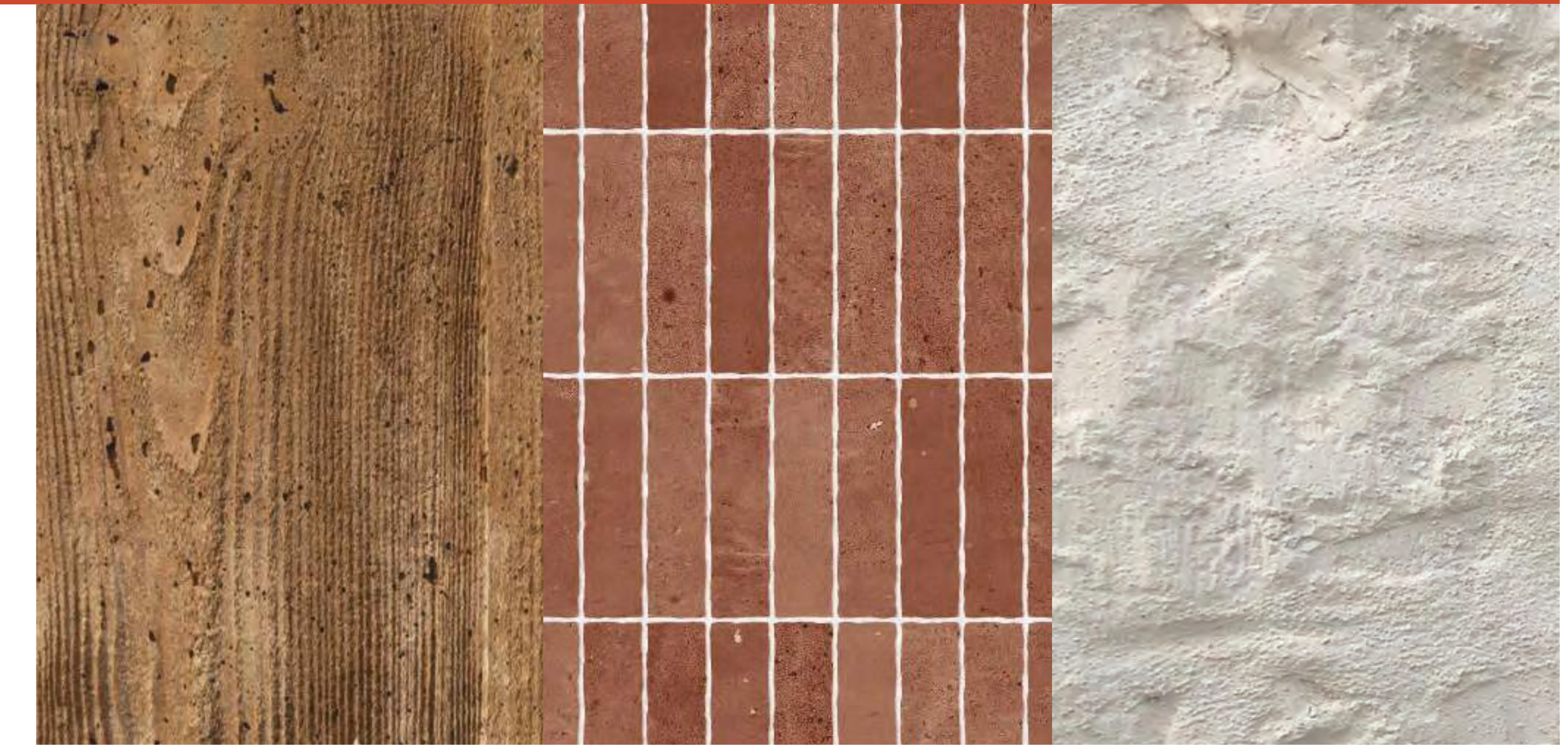
Containers
Bricks
Wood
Plants



Uncomfortable floor surface
Parking is x4 bigger than market



Single purpose



Built in a block



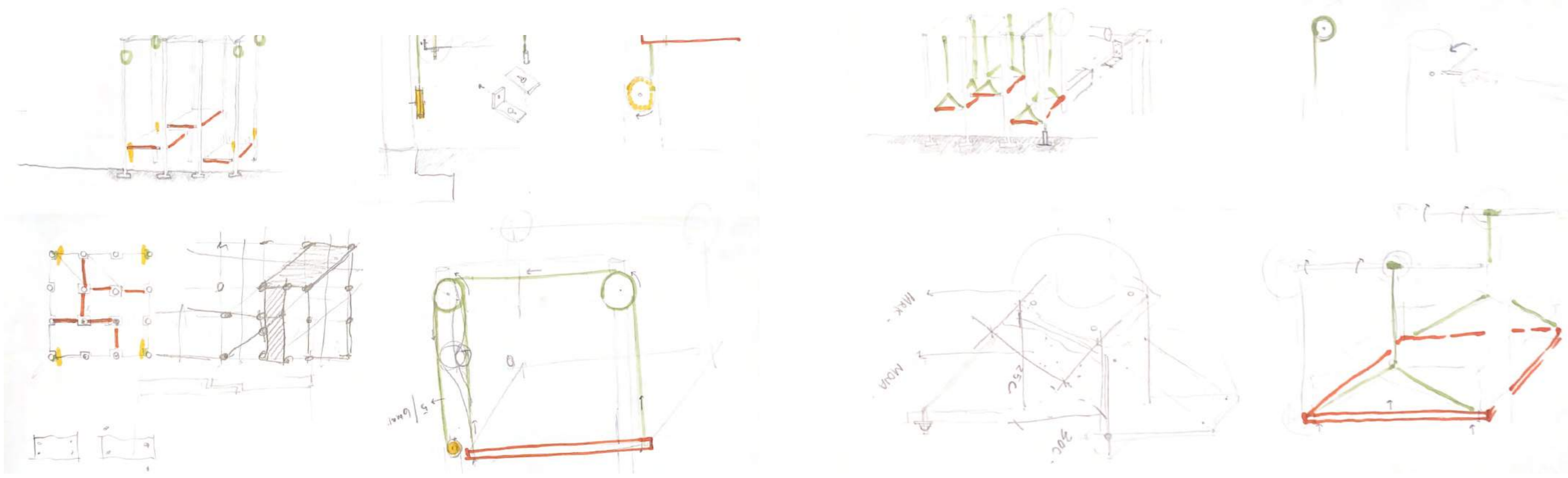
BUS STOP 7, PRETORIA

SPOUT, PRETORIA

WATER SHED, CAPE TOWN

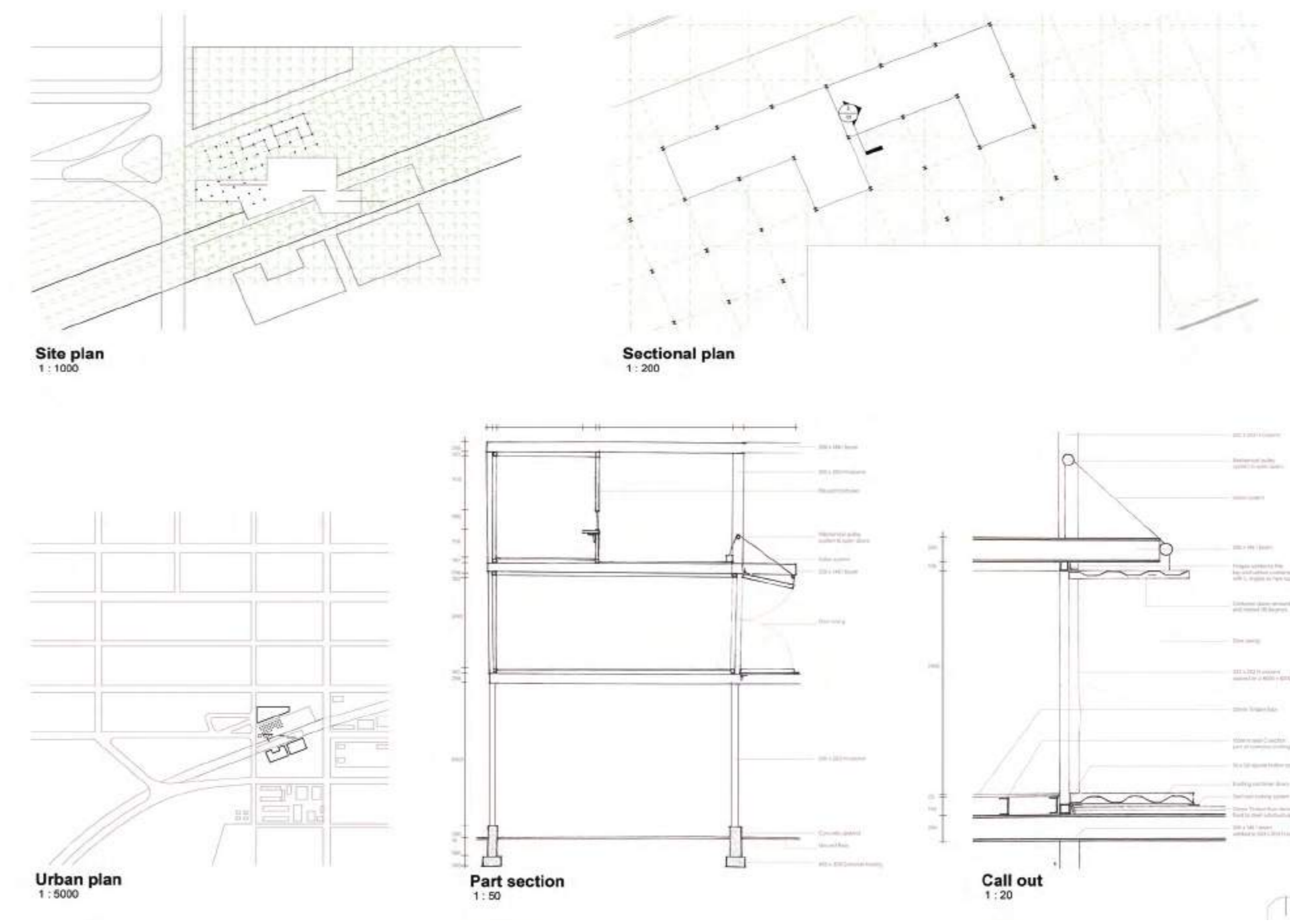
INDUSTRIAL MATERIALS

CONCEPTUAL DETAIL APPROACH

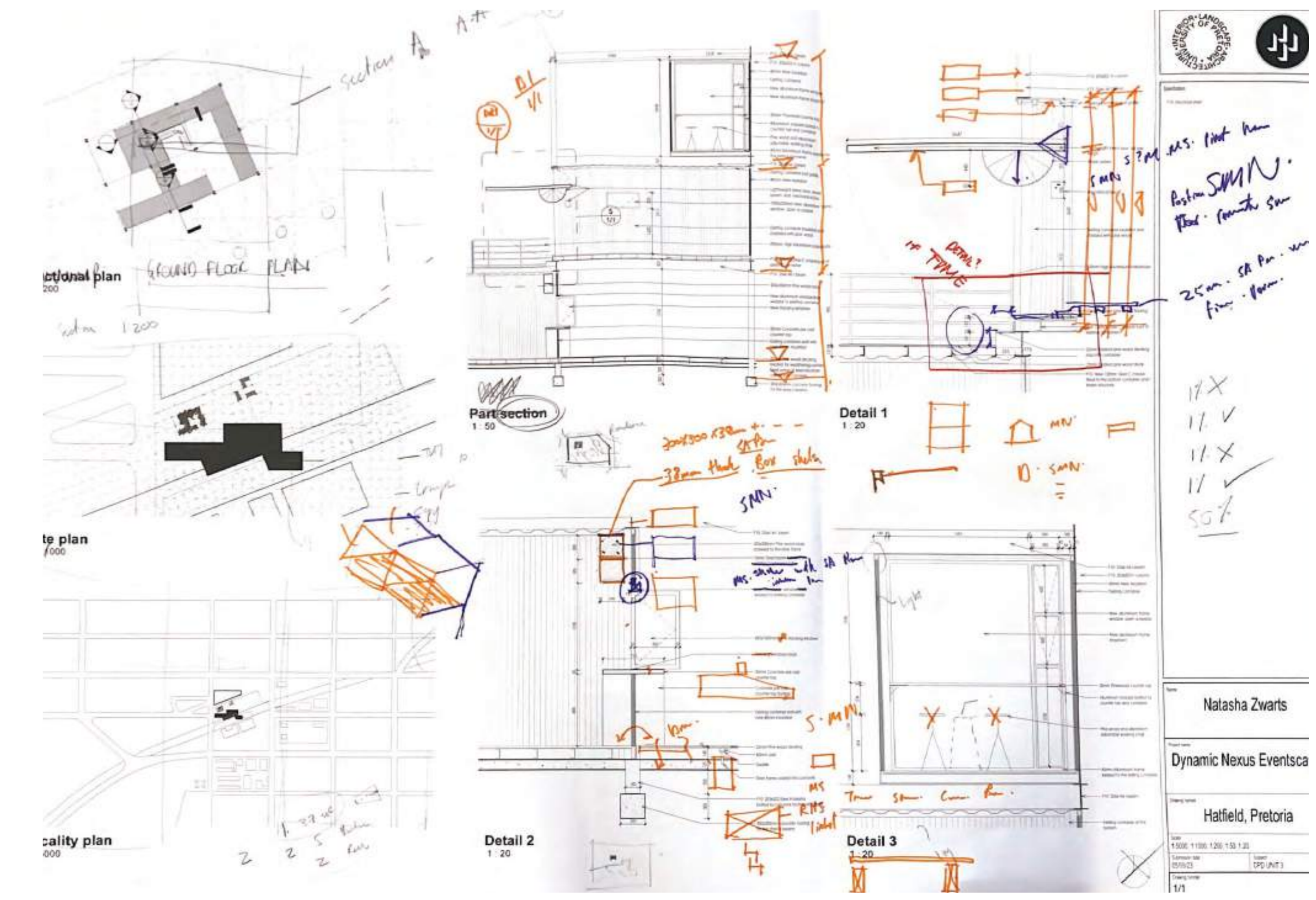


PULLEY SYSTEM

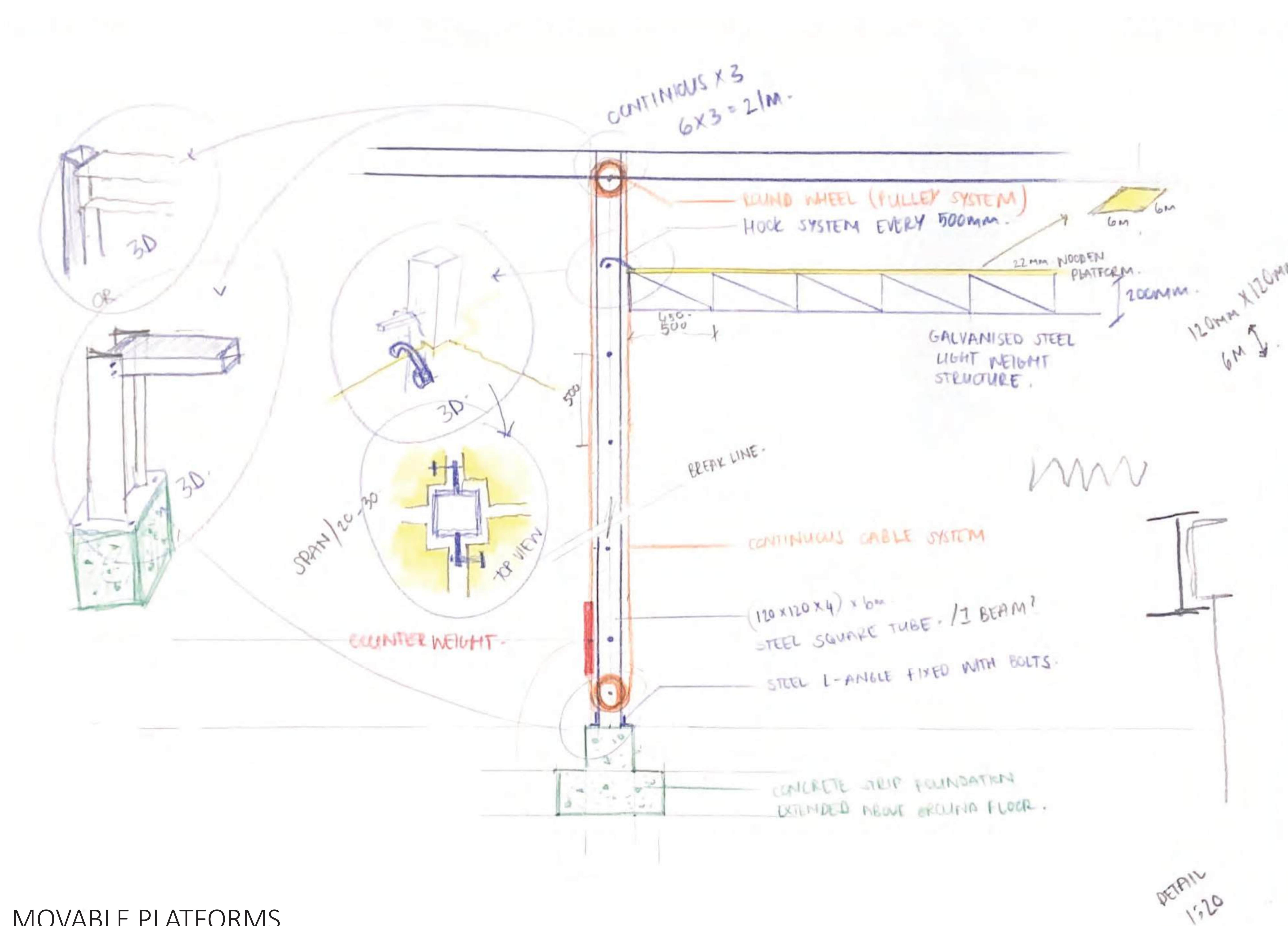
PULLEY SYSTEM



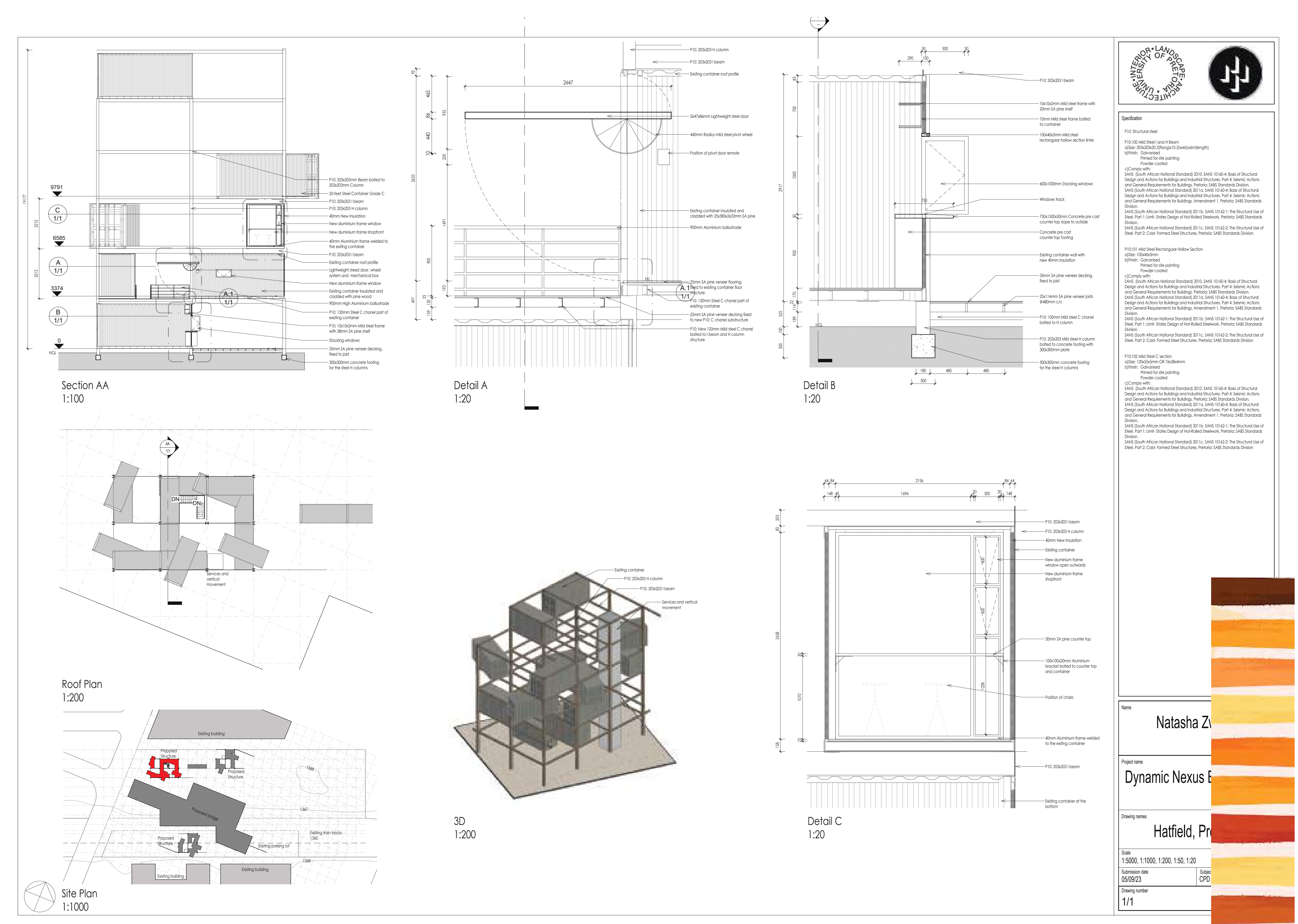
MOVABLE PANELS



MOVABLE PANELS



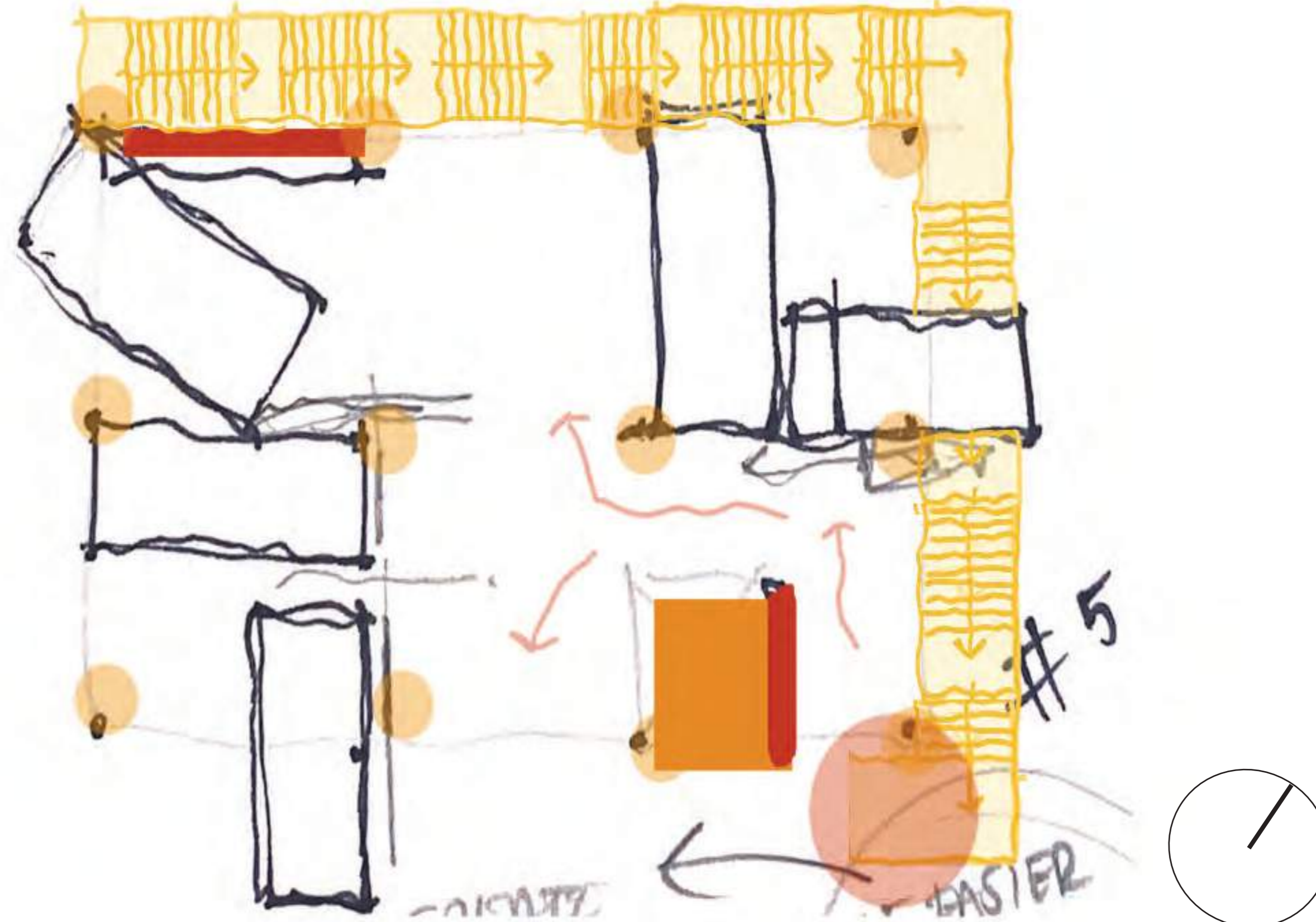
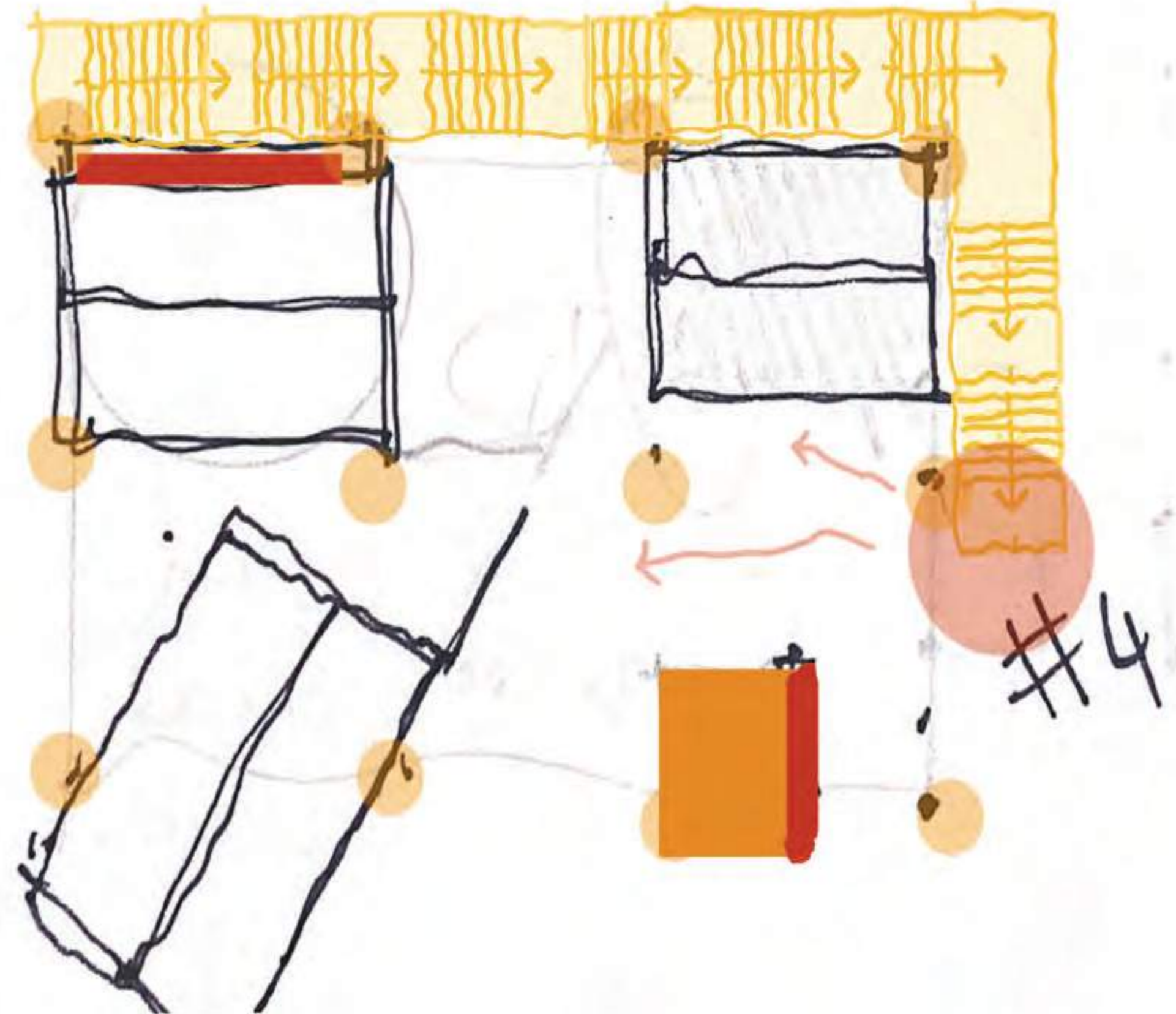
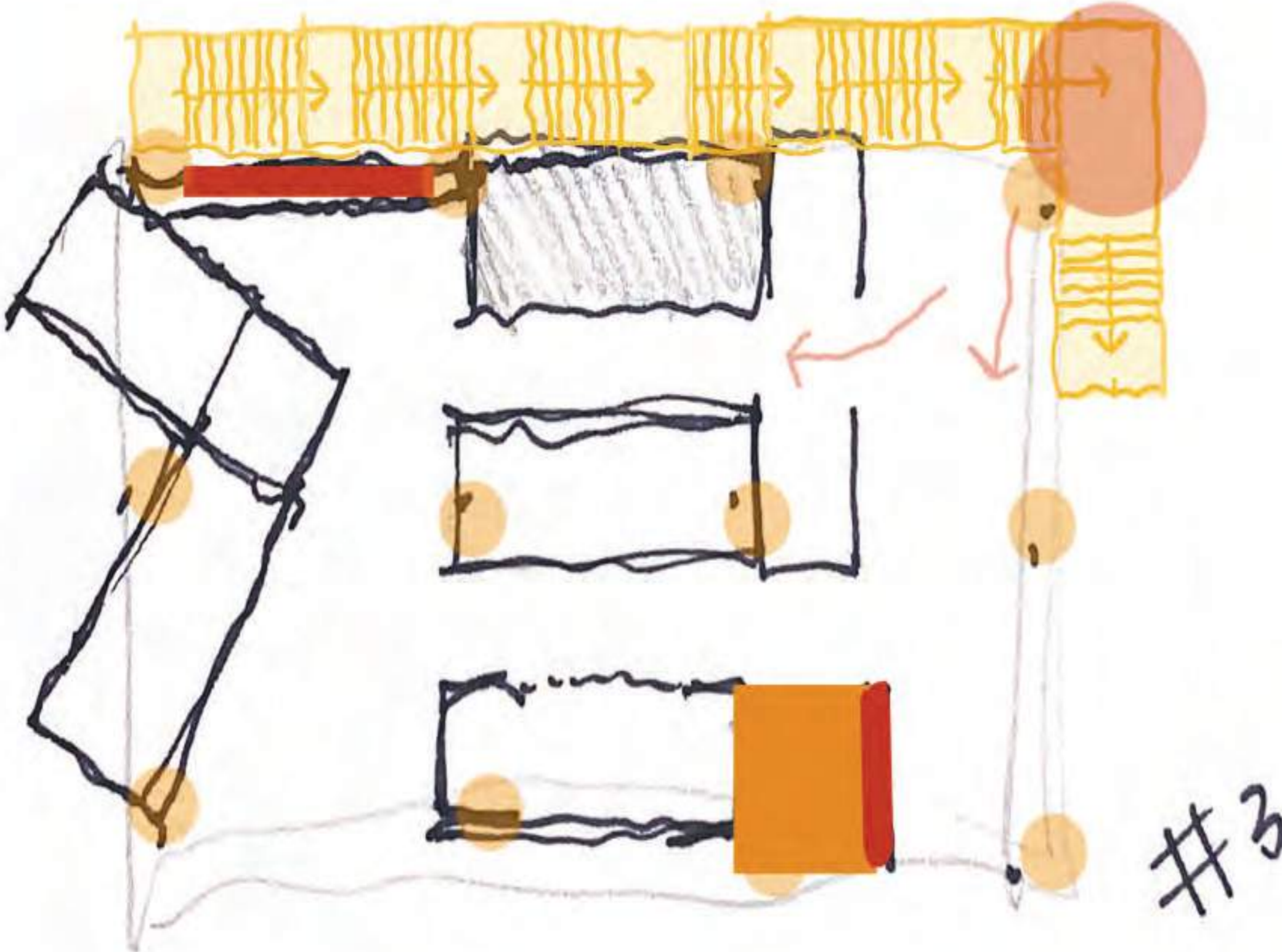
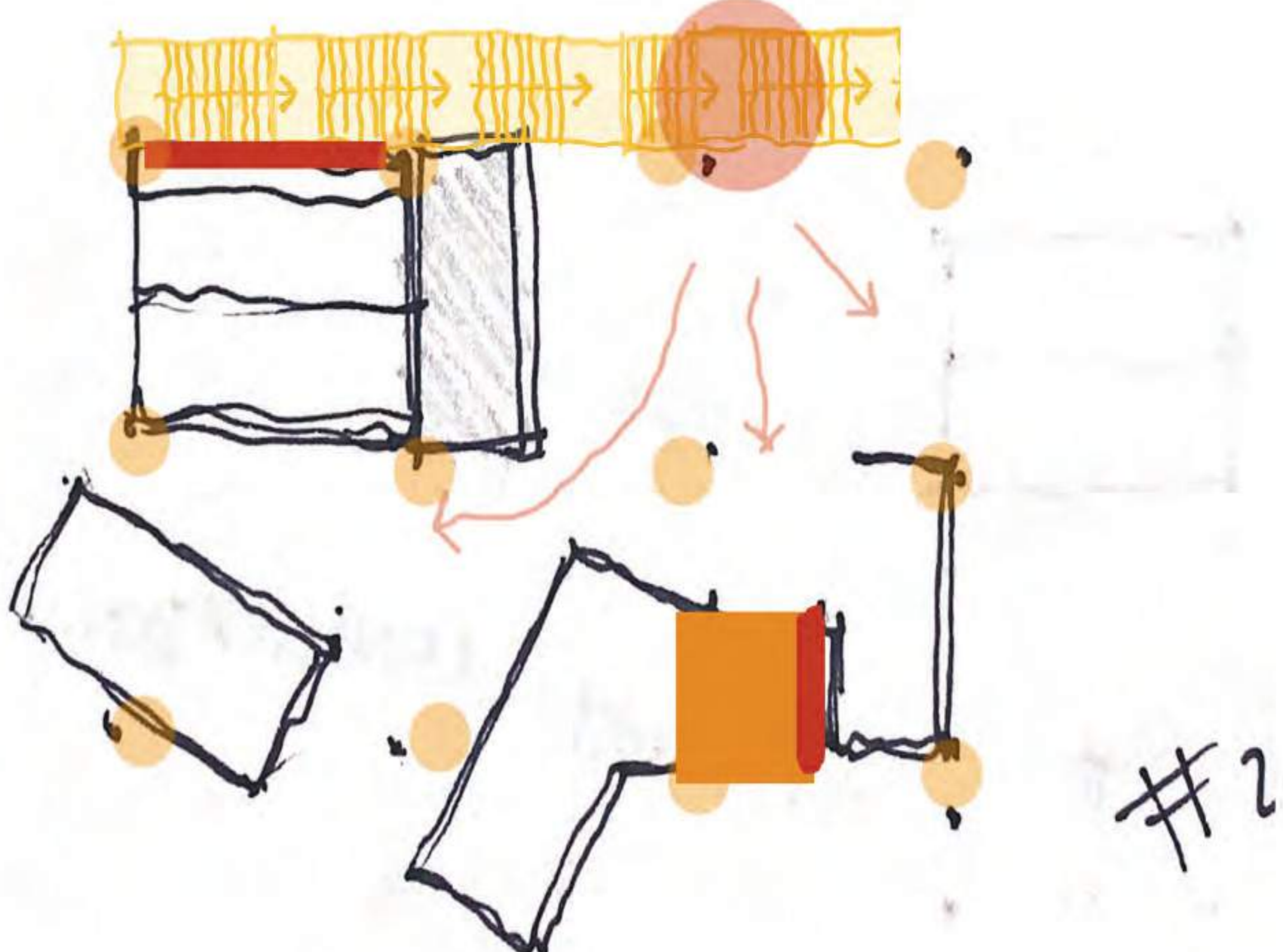
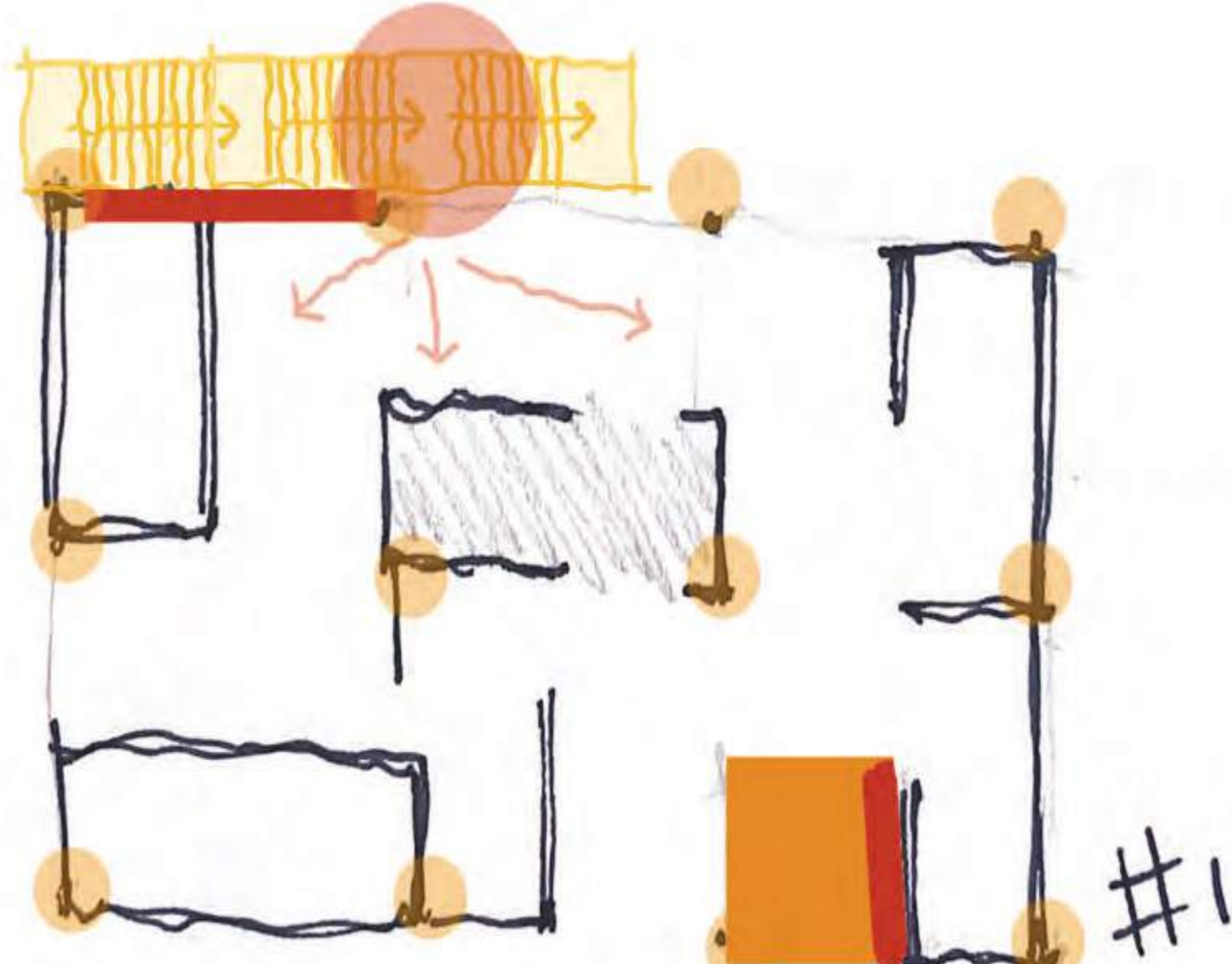
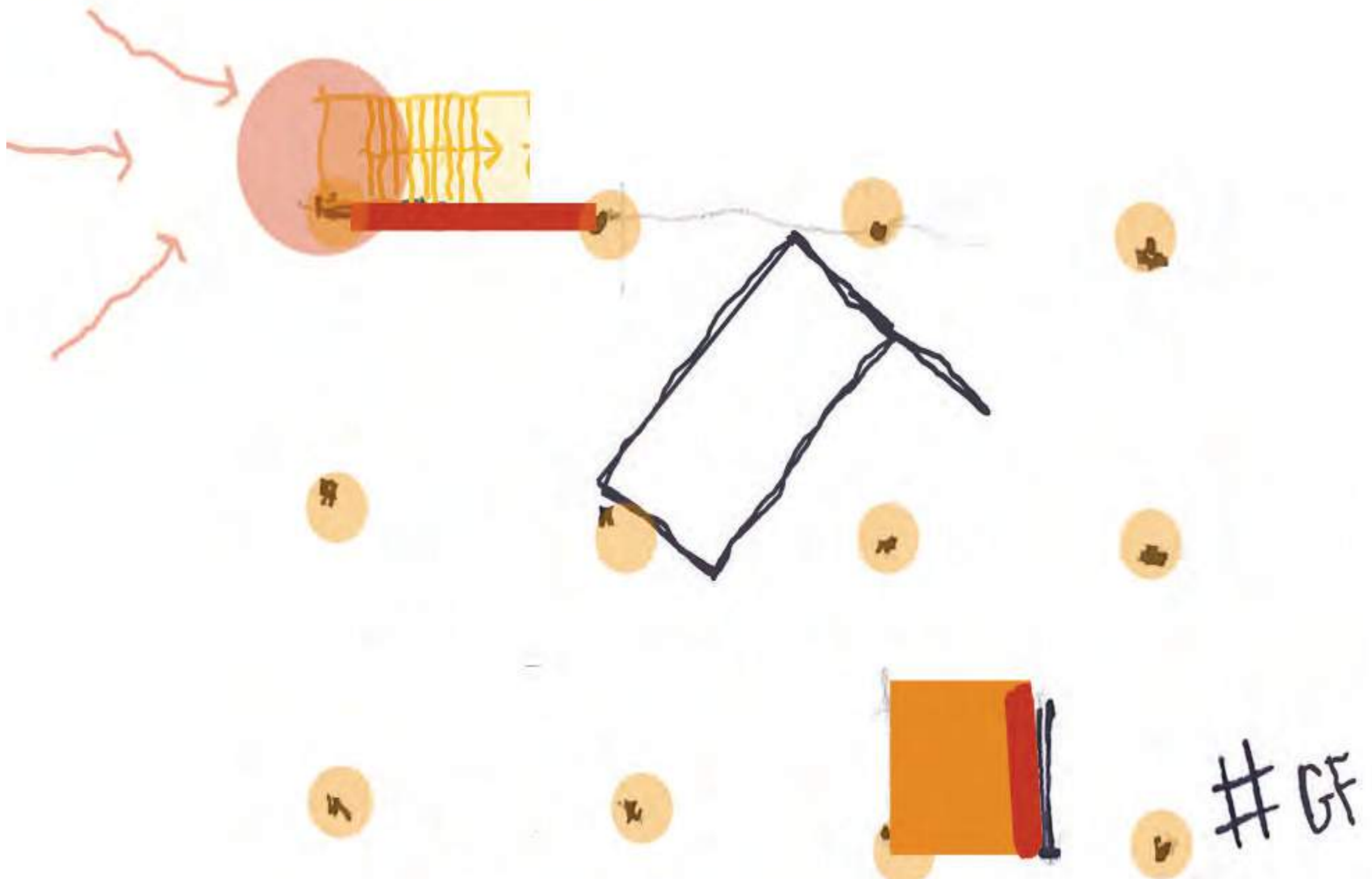
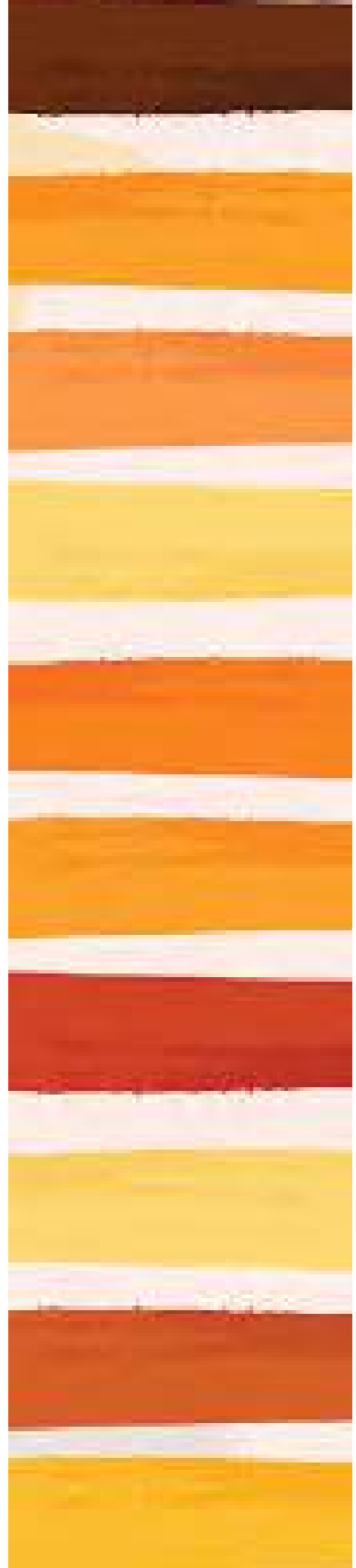
MOVABLE PLATFORMS



<p>Specification</p> <p>F10 Structural steel F15 20x20x3mm F20 20x20x3mm F25 20x20x3mm F30 20x20x3mm F35 20x20x3mm F40 20x20x3mm F45 20x20x3mm F50 20x20x3mm F55 20x20x3mm F60 20x20x3mm F65 20x20x3mm F70 20x20x3mm F75 20x20x3mm F80 20x20x3mm F85 20x20x3mm F90 20x20x3mm F95 20x20x3mm F100 20x20x3mm</p>	
<p>Color Legend</p> <p>100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%</p>	
<p>Client Natasha Z...</p>	
<p>Project Name Dynamic Nexus E...</p>	
<p>Architect Hatfield, Pr...</p>	
<p>Scale 1:500, 1:1000, 1:200, 1:50, 1:20</p>	
<p>Date 05/09/23</p>	
<p>Sheet CPD</p>	
<p>Drawing Number 1/1</p>	

MOVEMENT

PLAN OF 6 FLOORS IN TOWER A



ITERATION IMPROVEMENTS



13 VENDORS IN 13 CONTAINERS



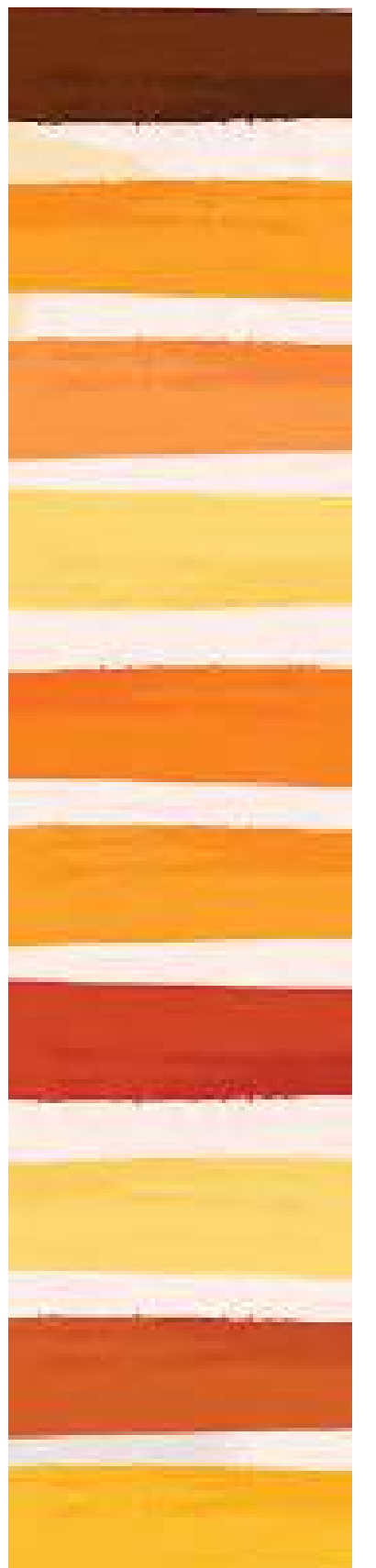
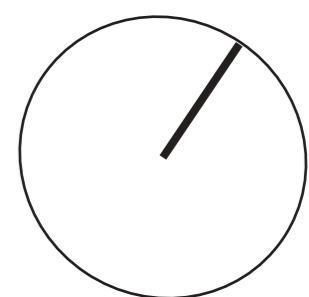
32 VENDORS IN 32 CONTAINERS



32 VENDORS IN 32 CONTAINERS



108 VENDORS IN 32 CONTAINER

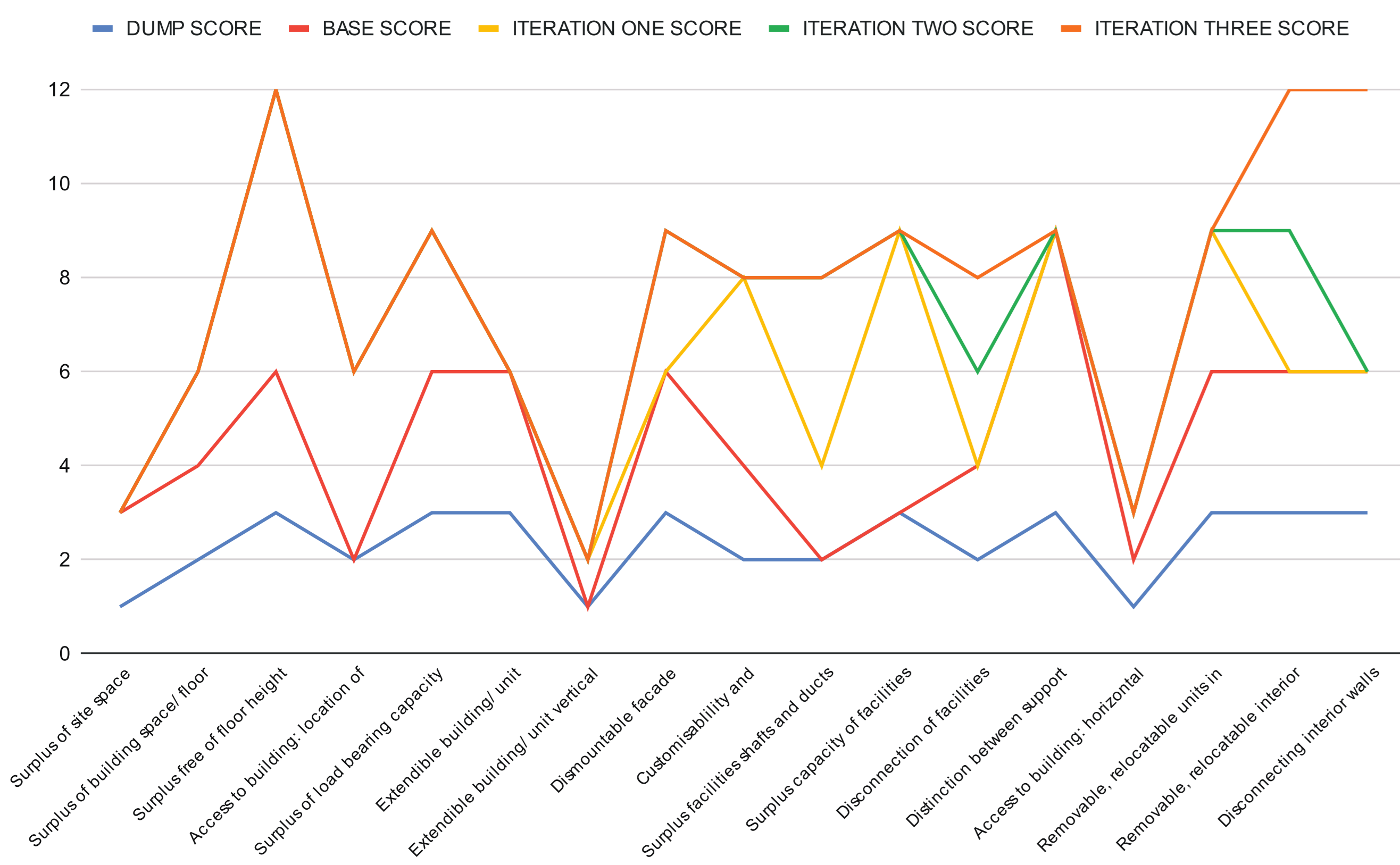


FLEXIBILITY

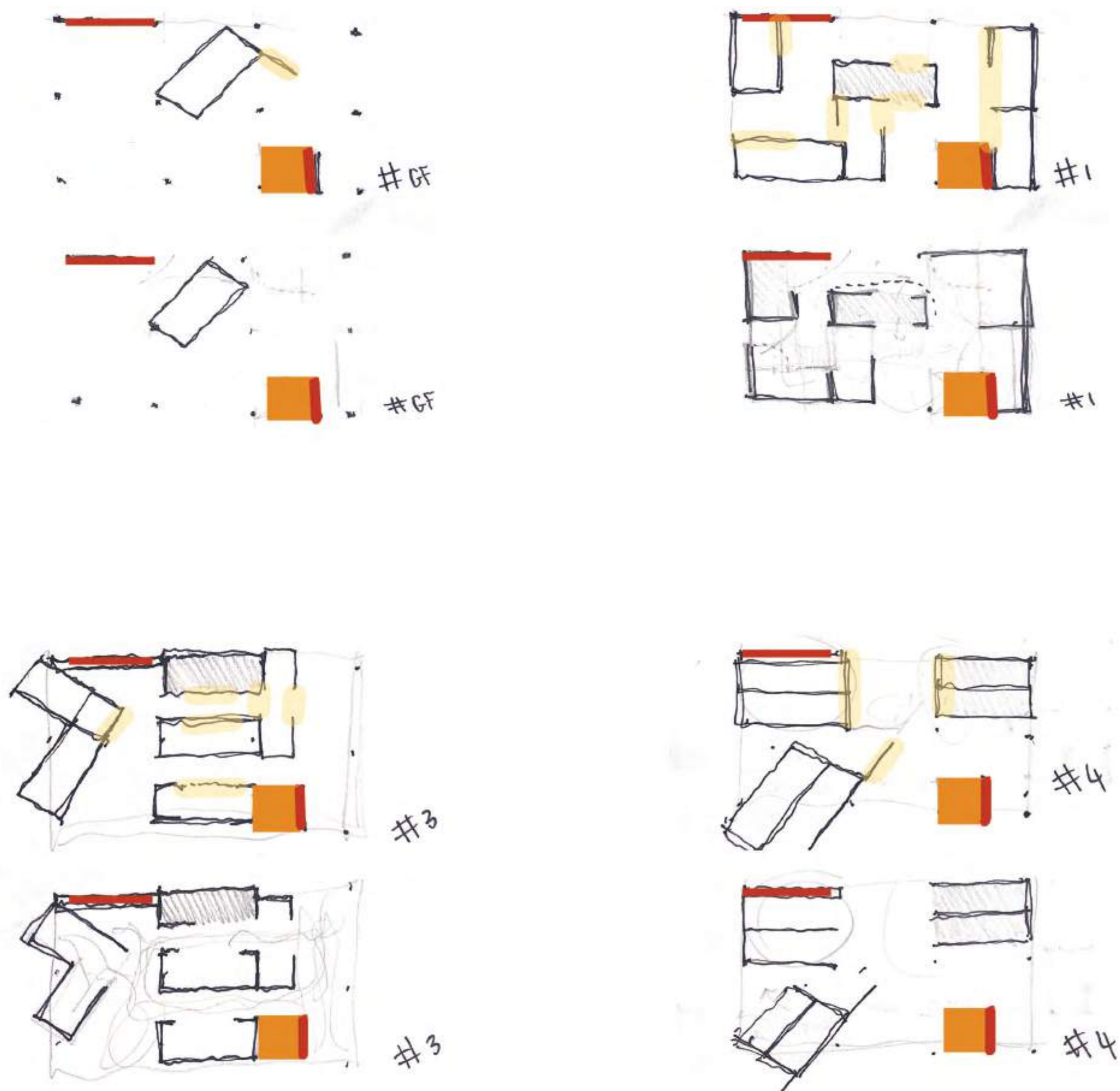
Using indicators to measure flexibility.

A key aspect to consider in sustainability is that the greater a building's flexibility and its ability to adjust to evolving user needs, the more it will extend its functional lifespan (Geraedts, Prins, 2016).

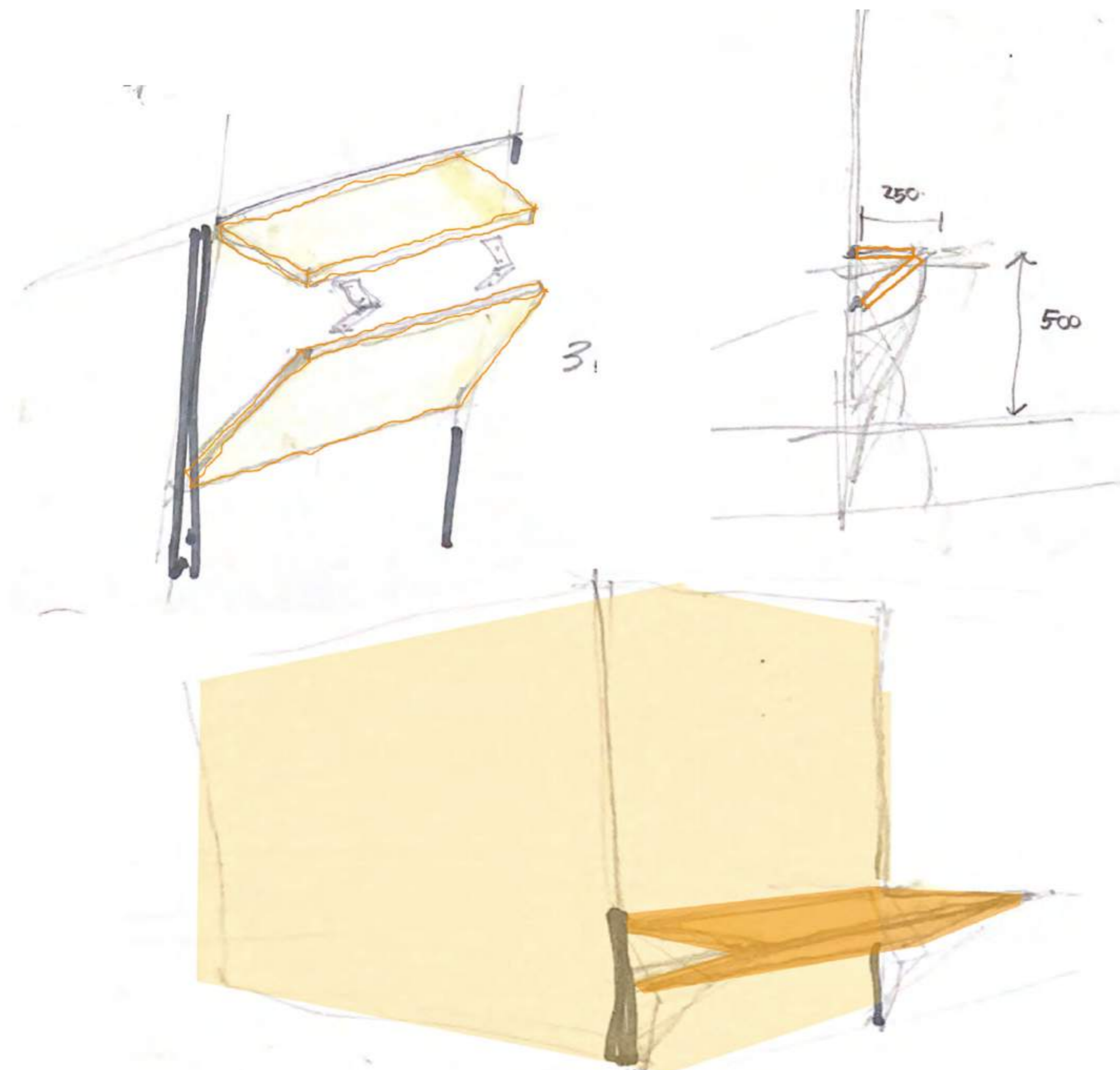
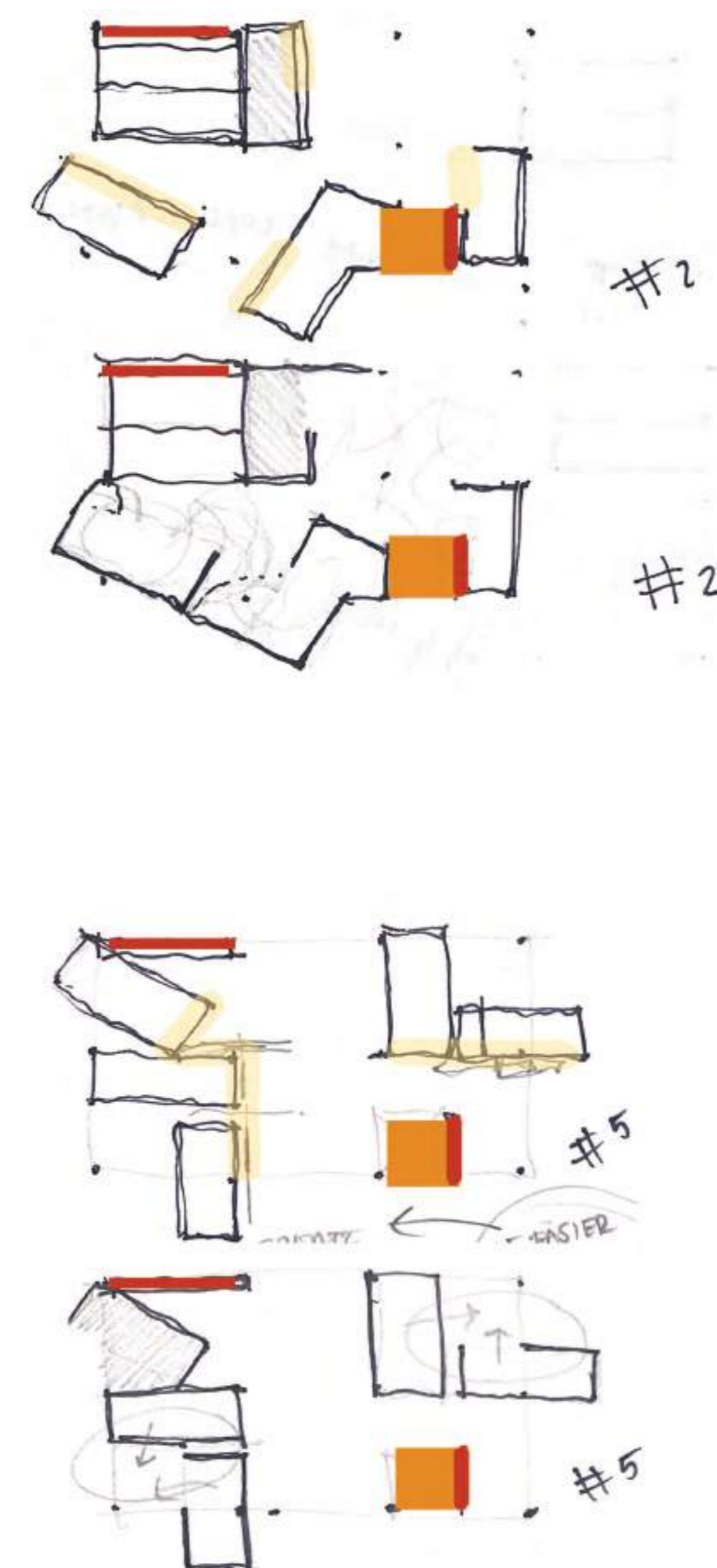
FLEXIBILITY ITERATIONS



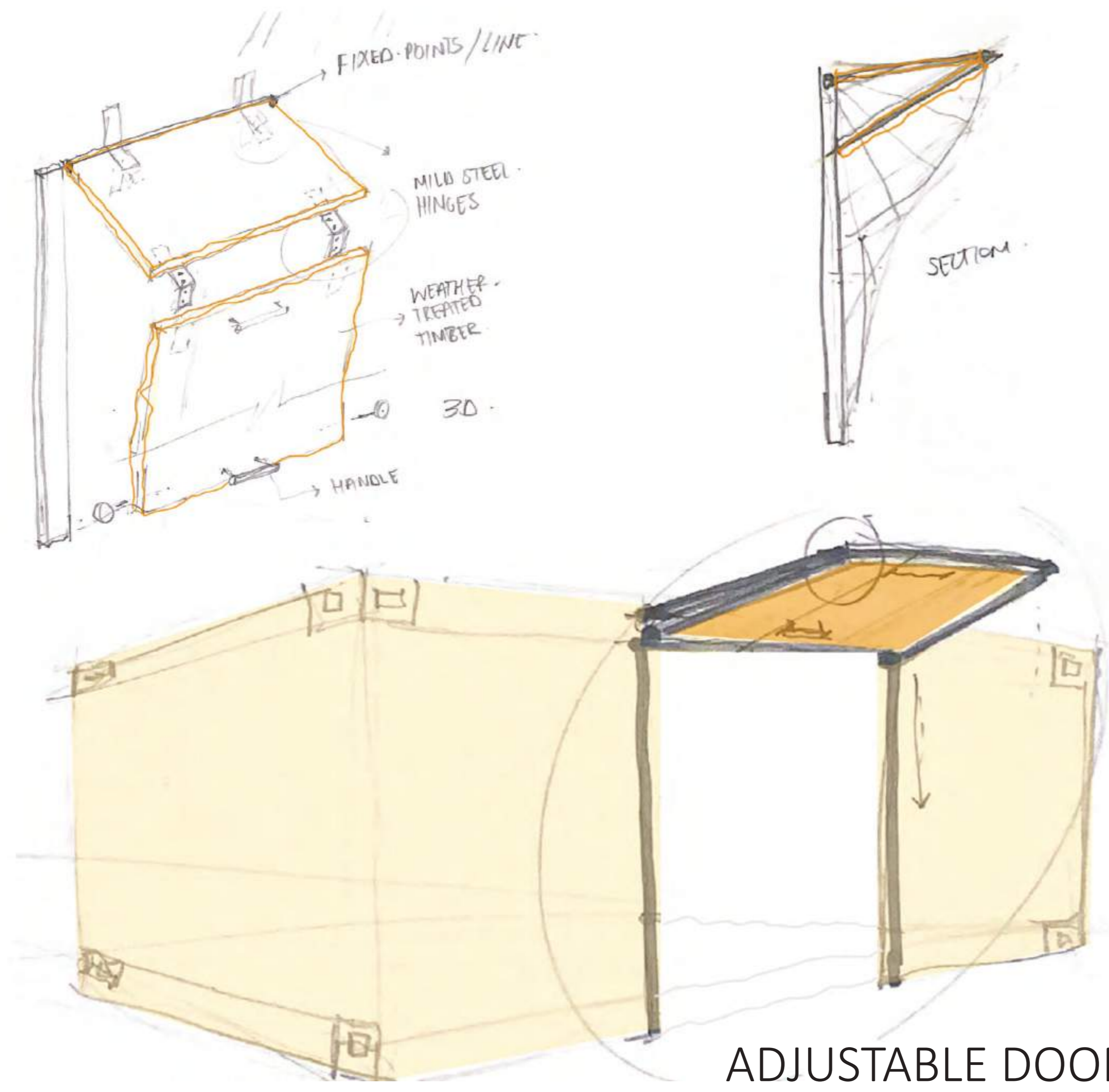
17 INDICATORS



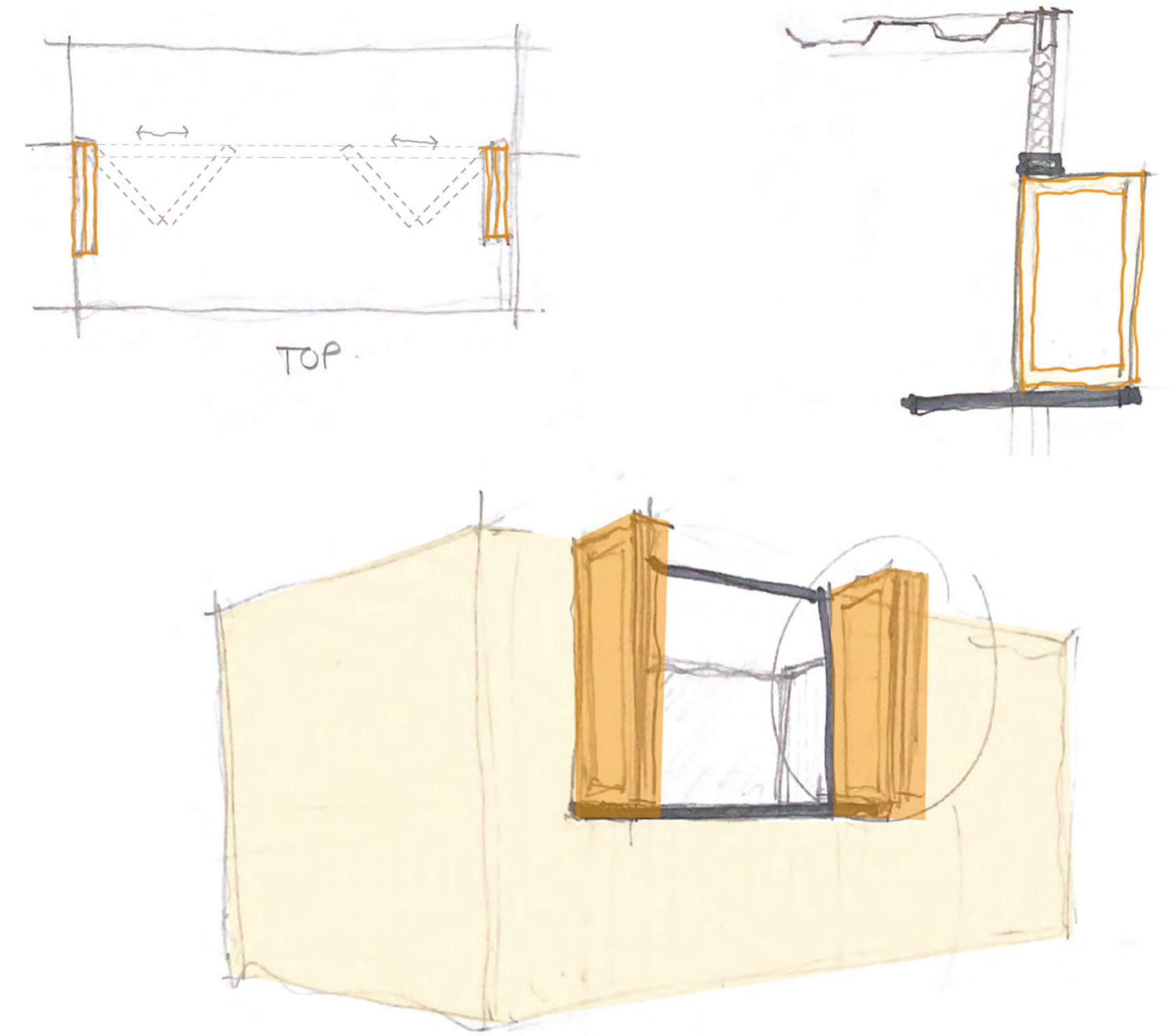
ADJUSTABLE PLANS



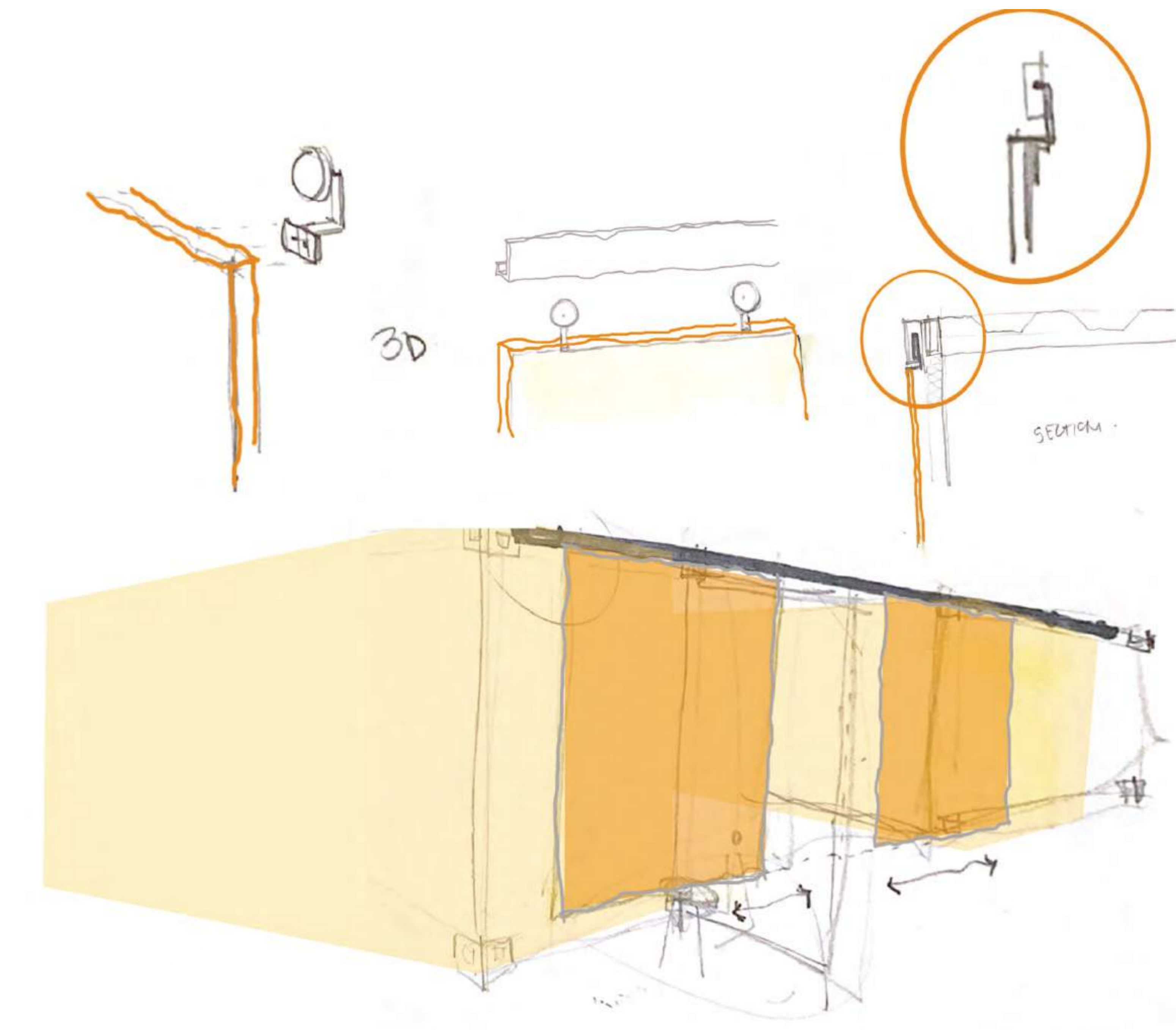
ADJUSTABLE SEAT



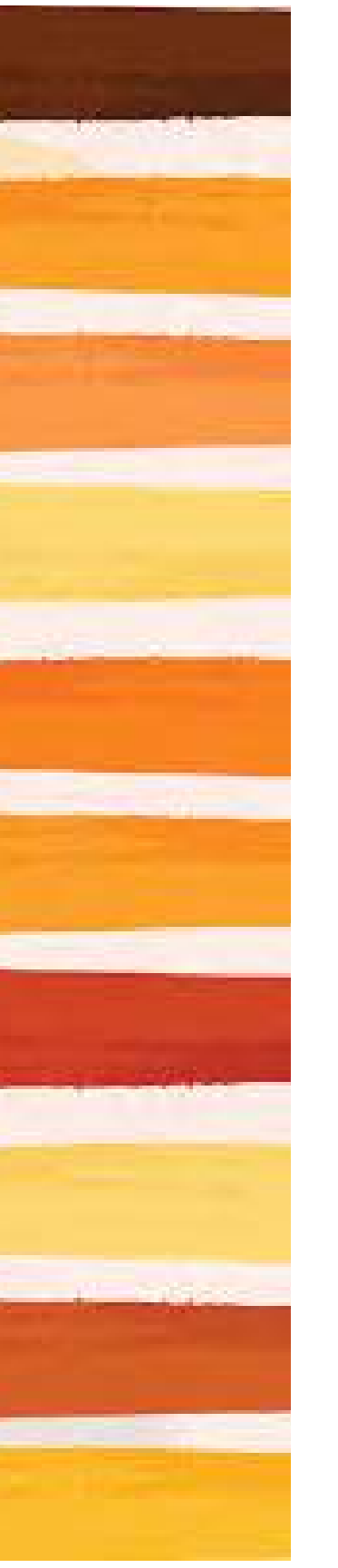
ADJUSTABLE DOOR



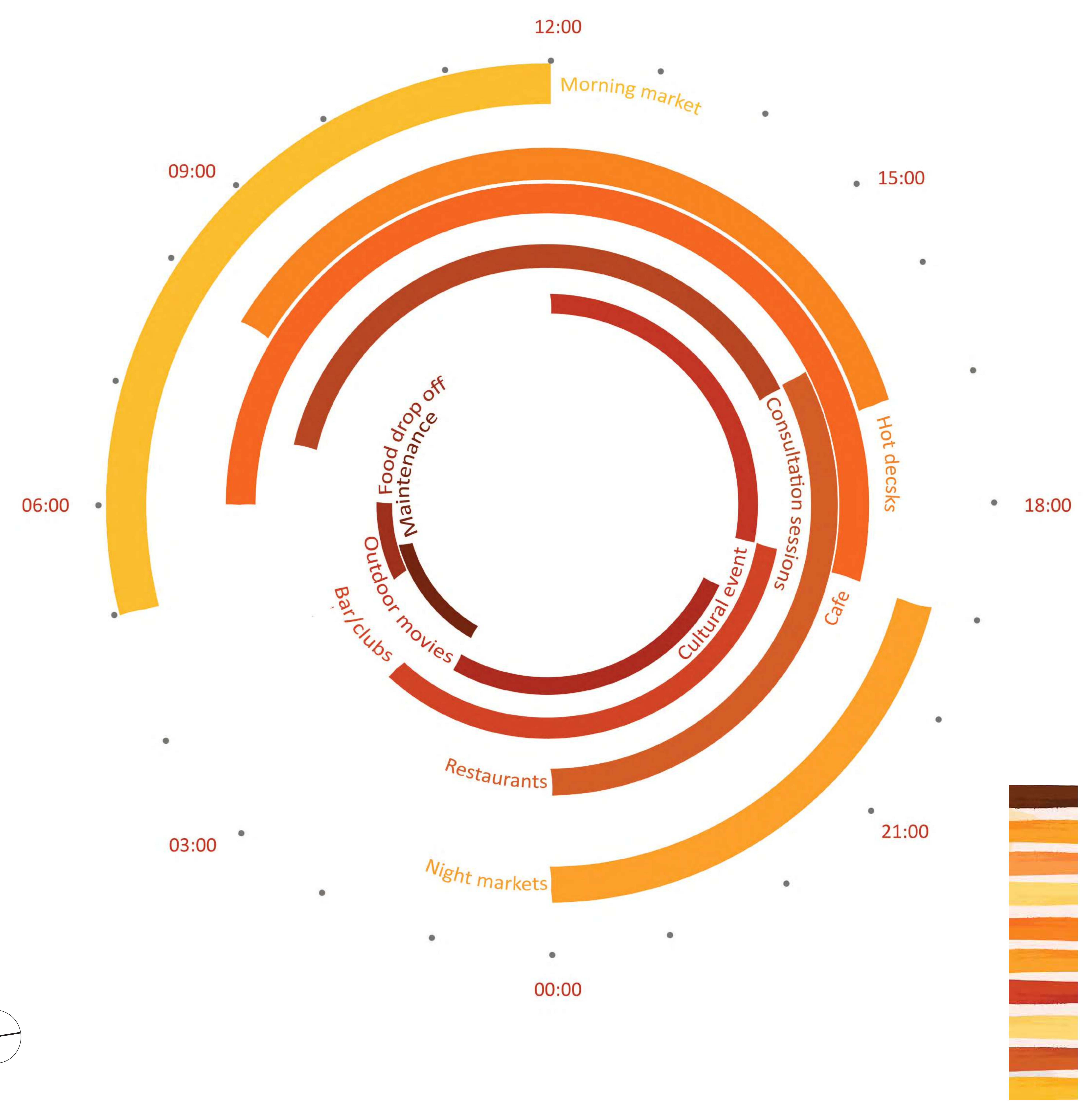
SLIDING WINDOW



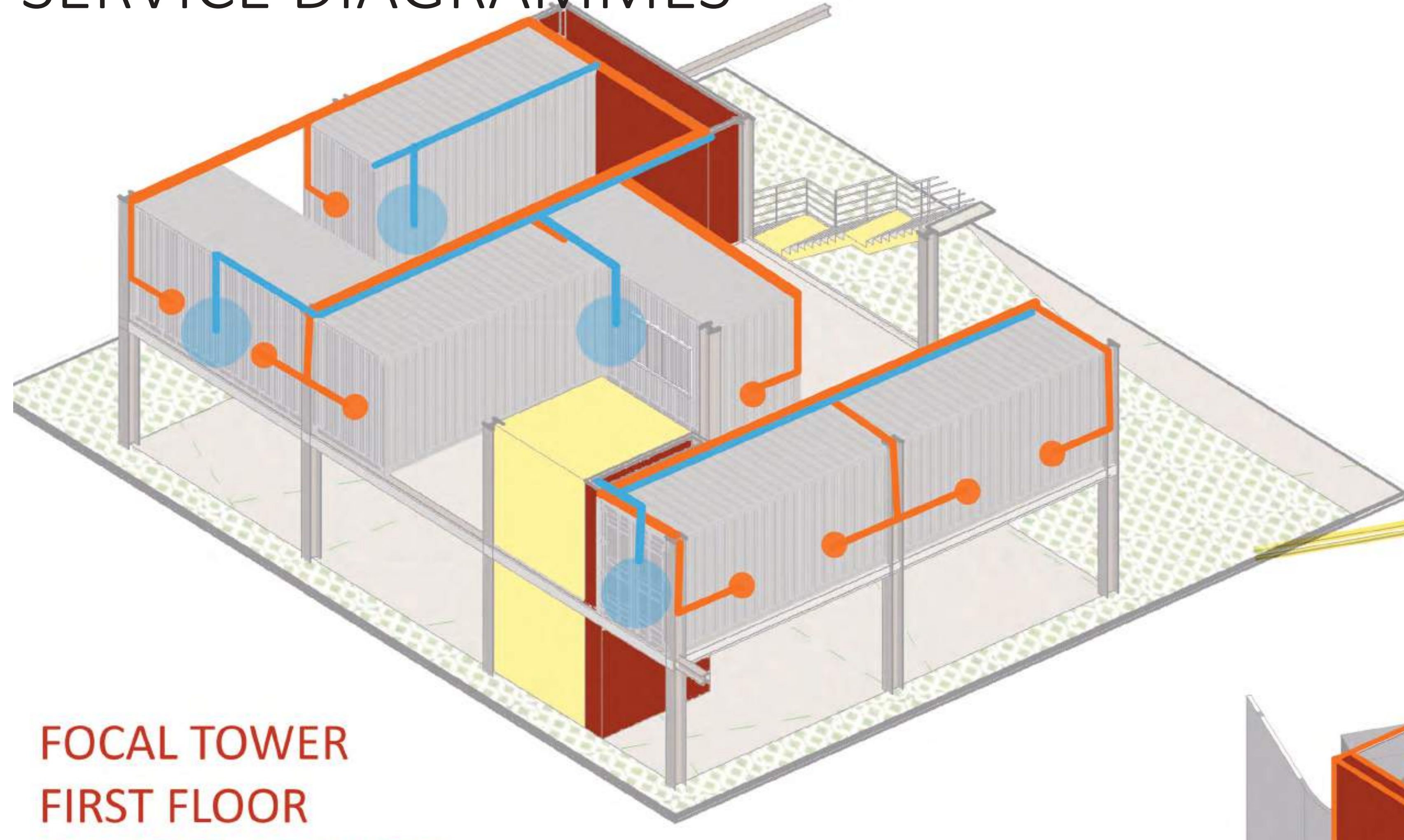
SLIDING DOOR



HOURLY PROGRAMMES

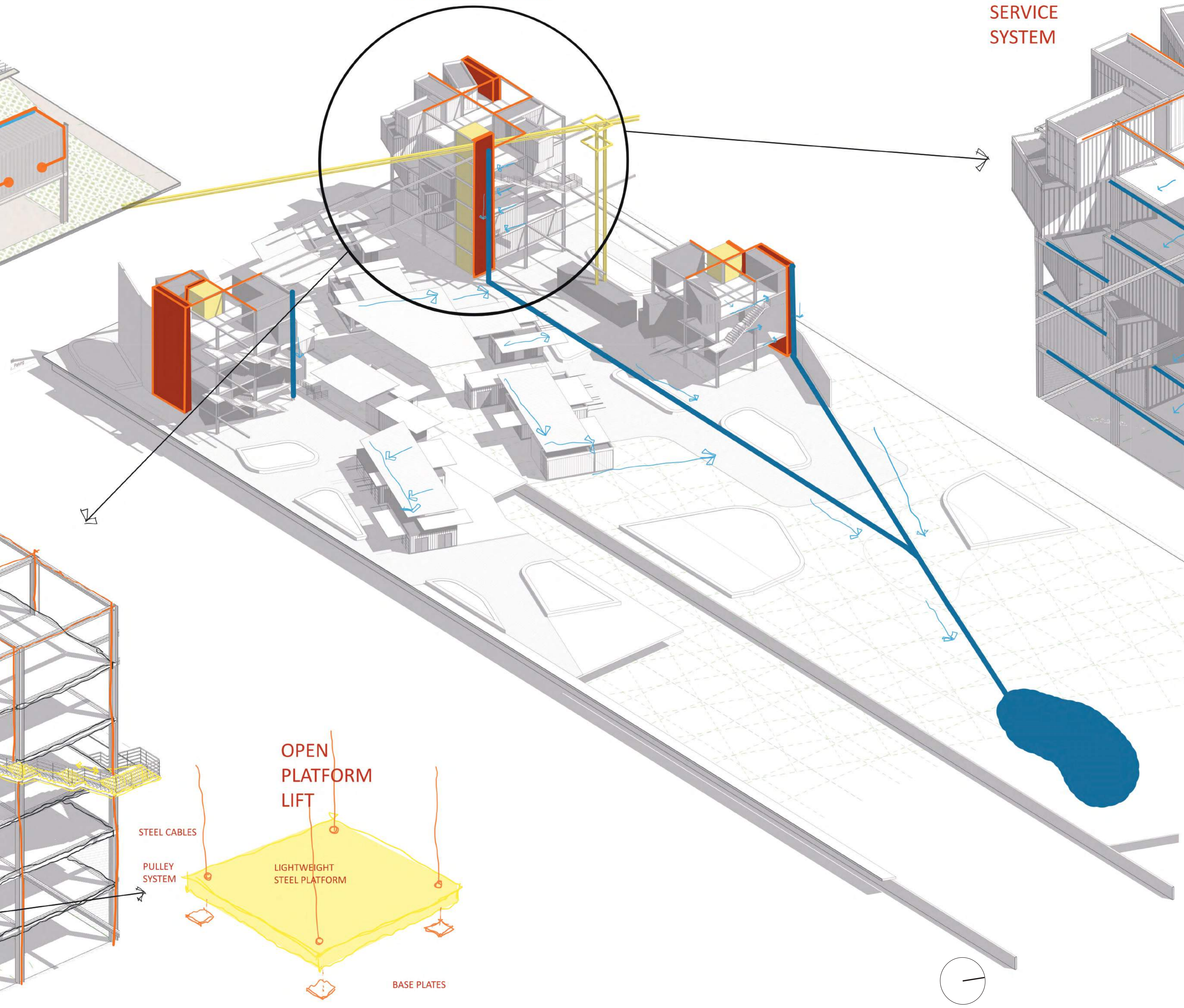


SERVICE DIAGRAMMES

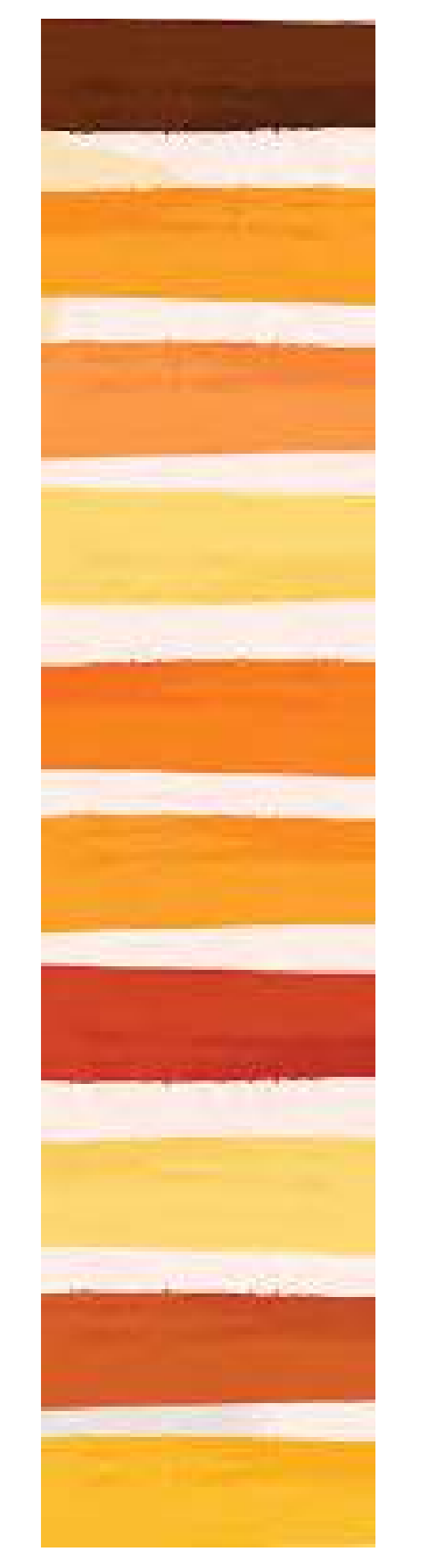
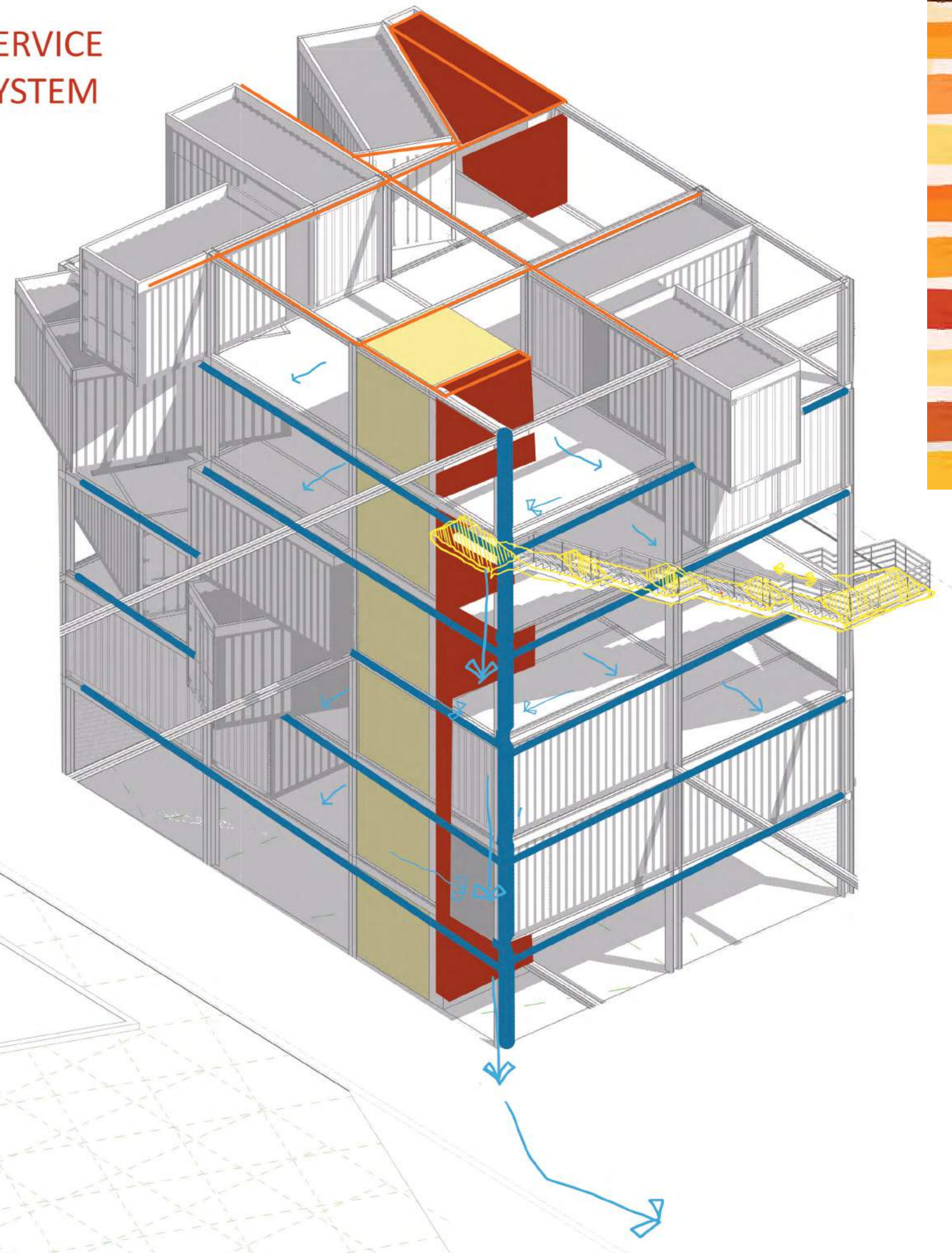


FOCAL TOWER
FIRST FLOOR
EXPOSED SERVICES

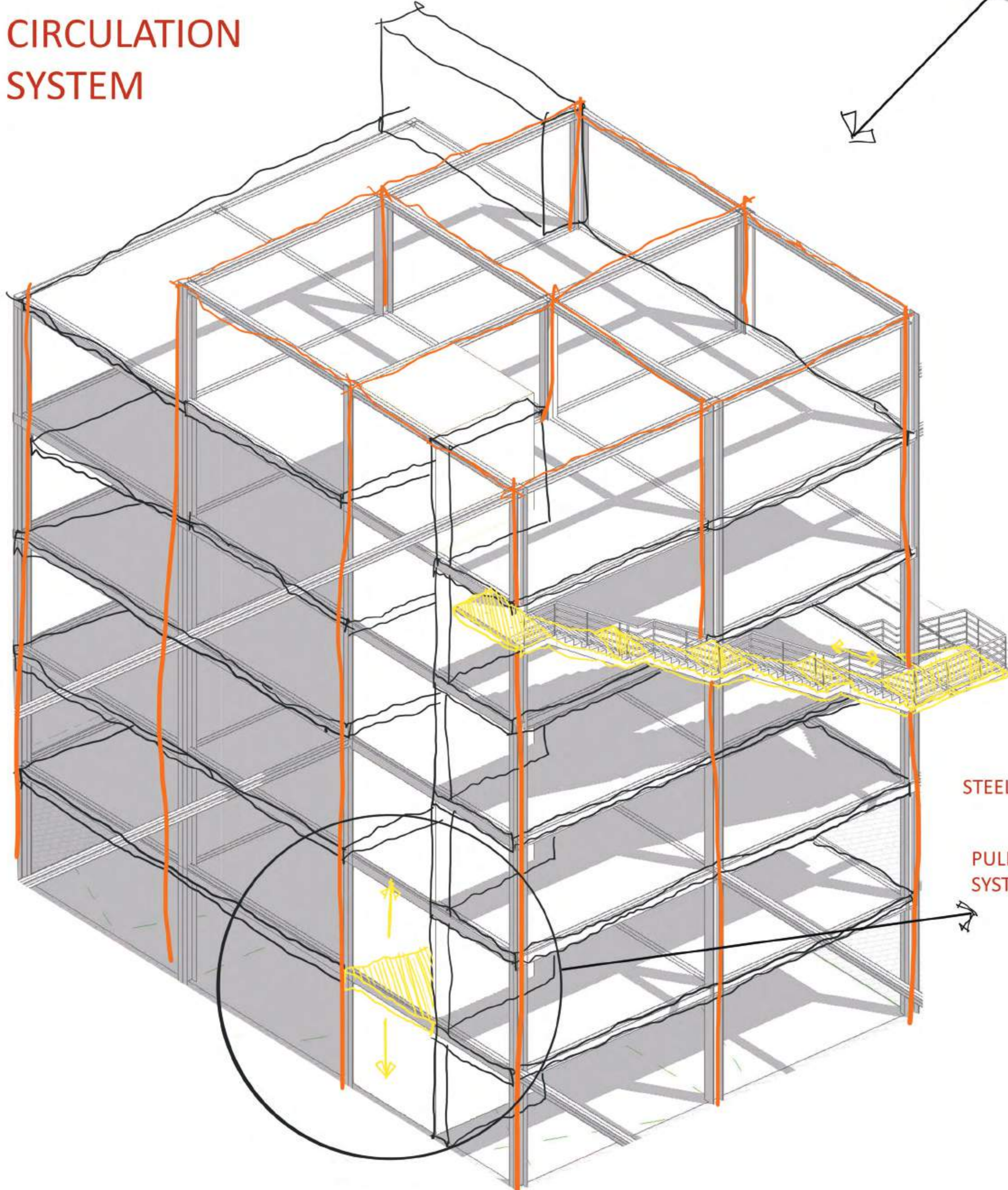
SITE SYSTEM



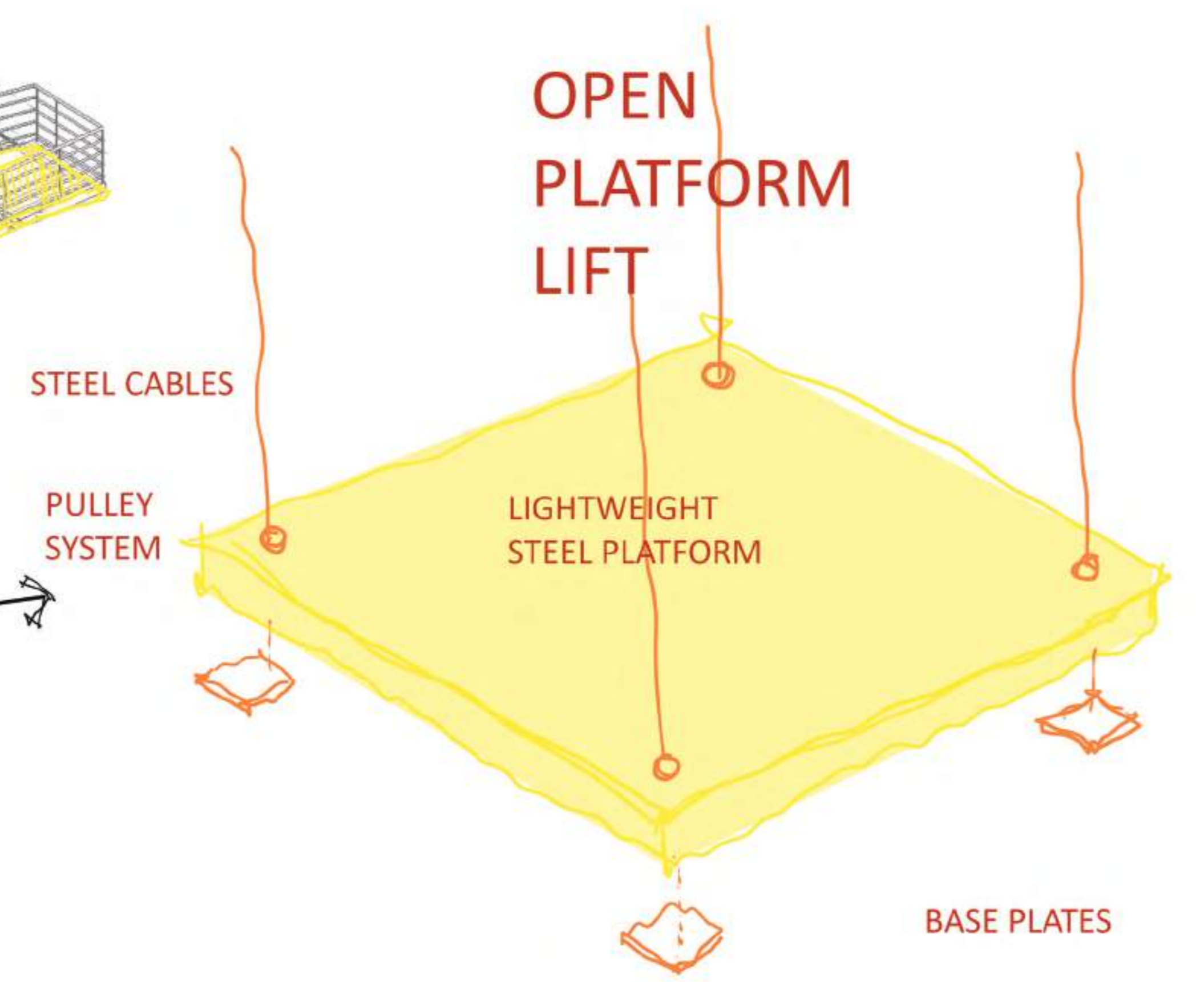
SERVICE SYSTEM







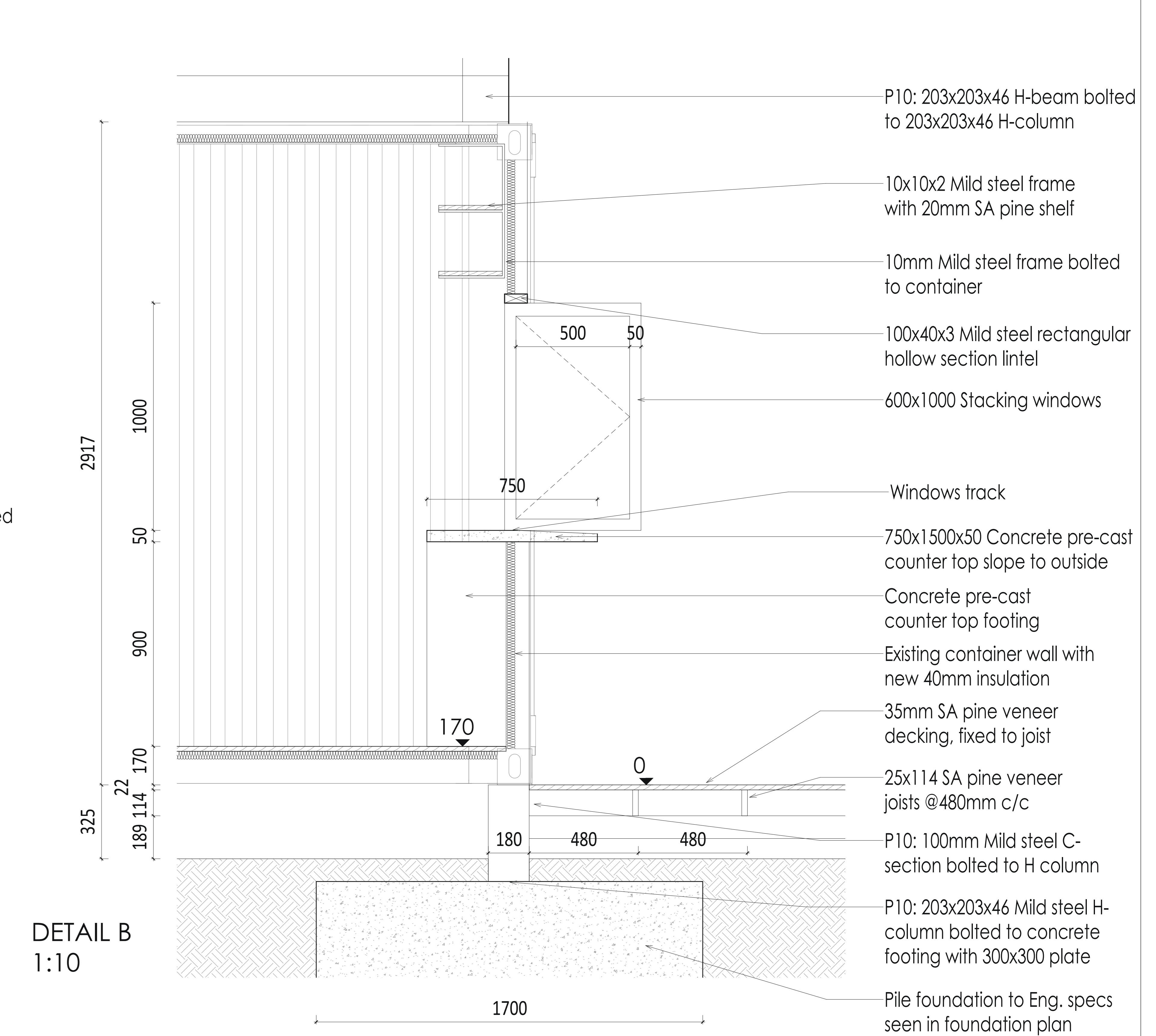
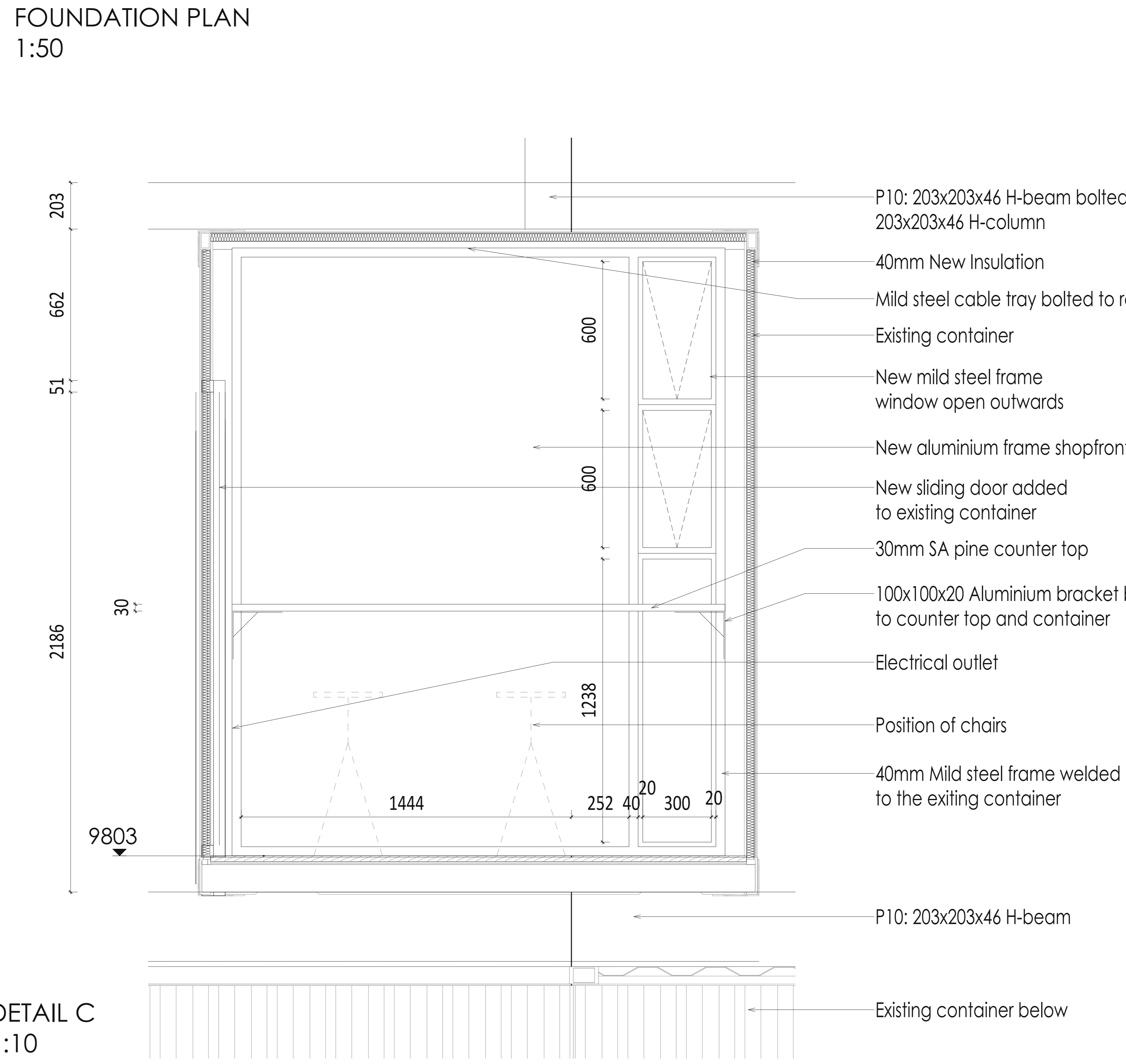
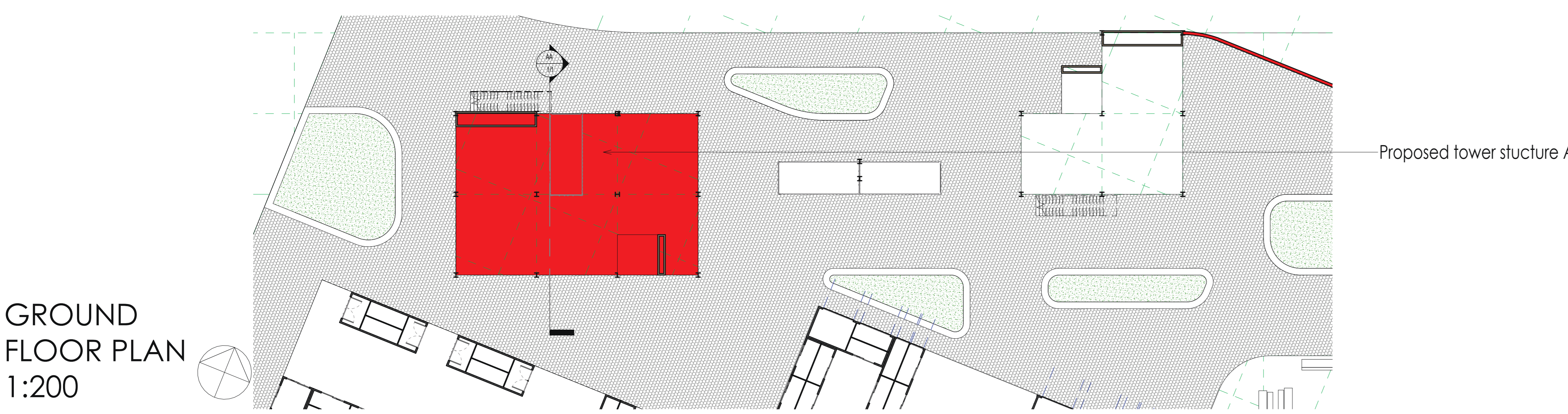
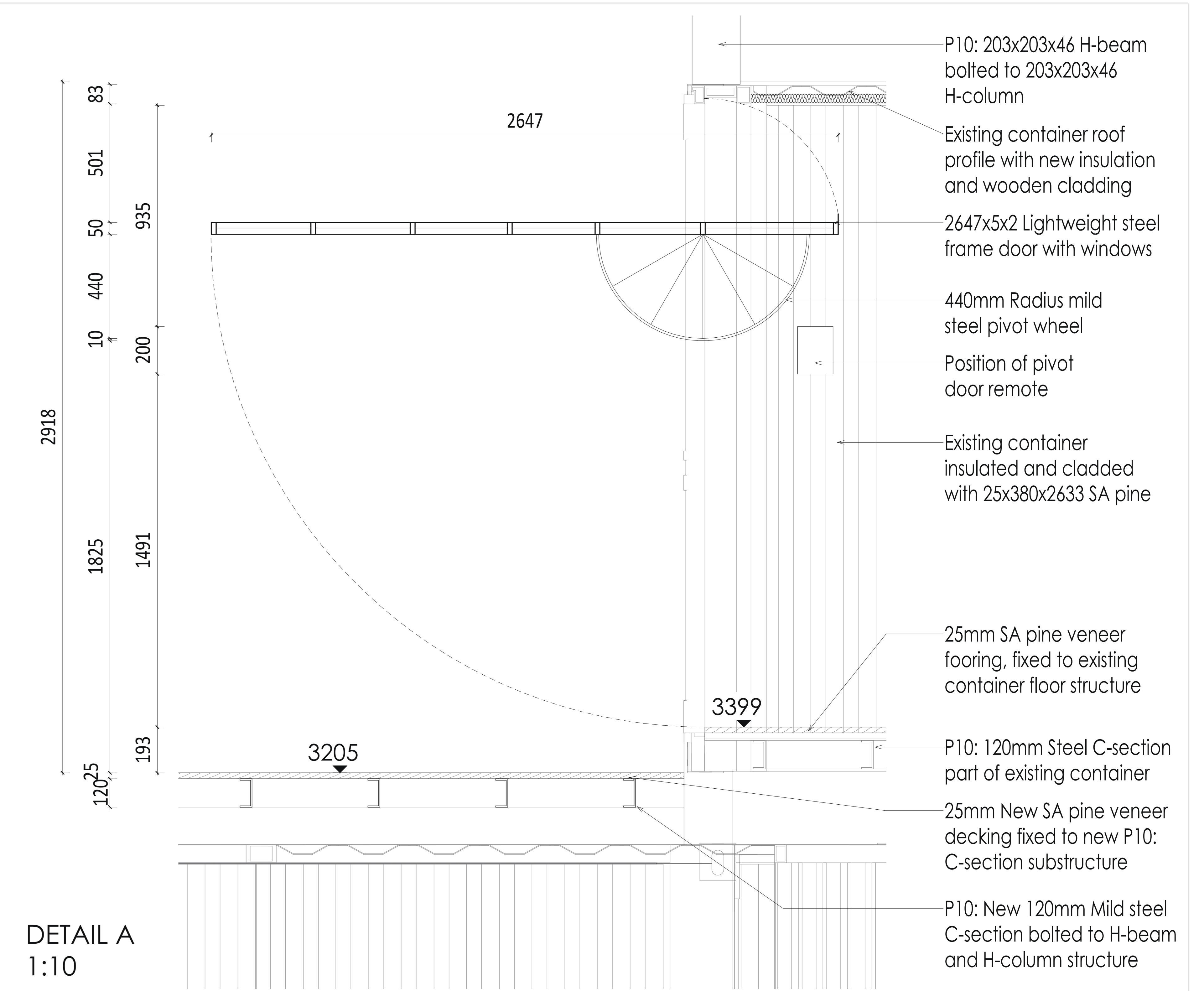
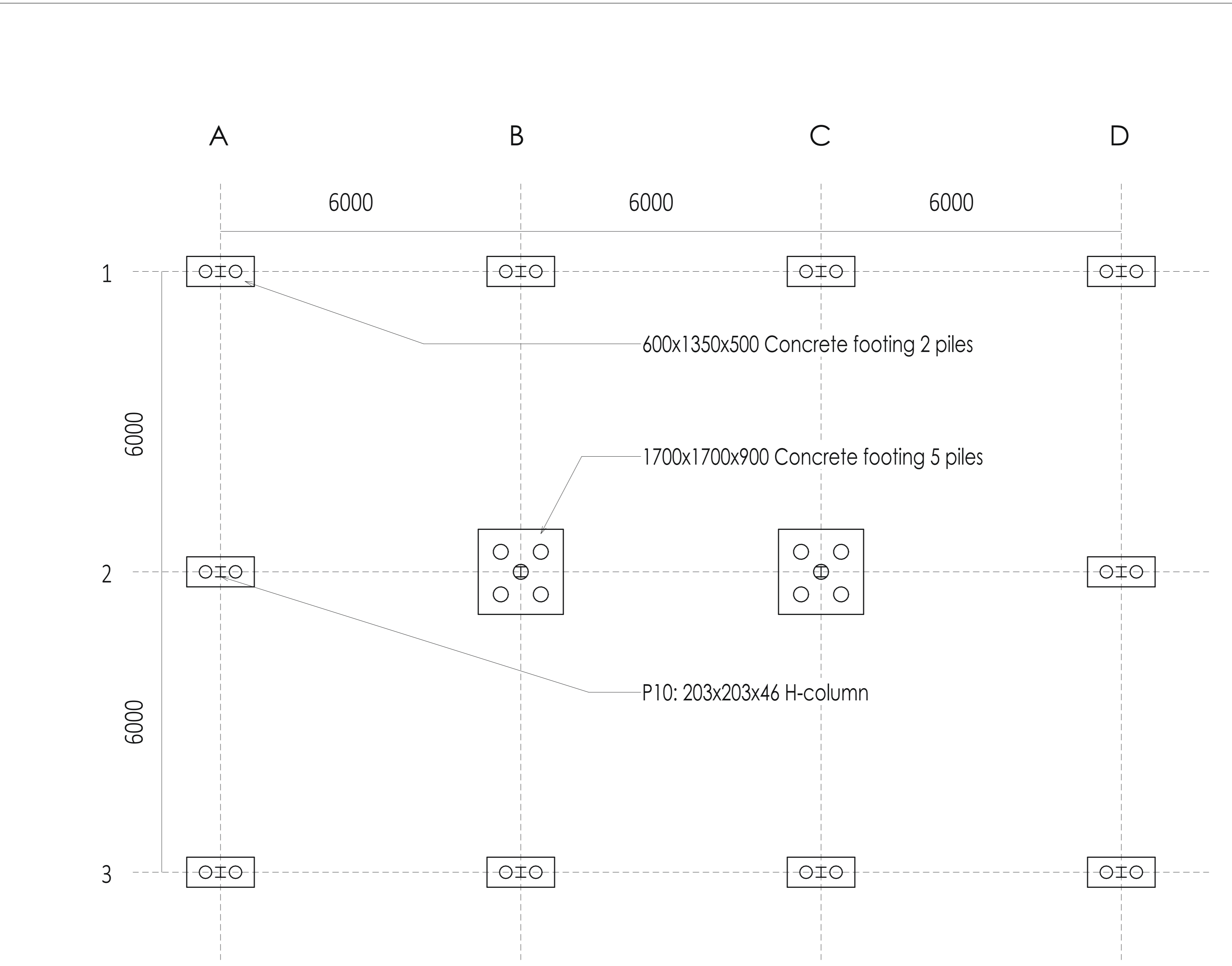
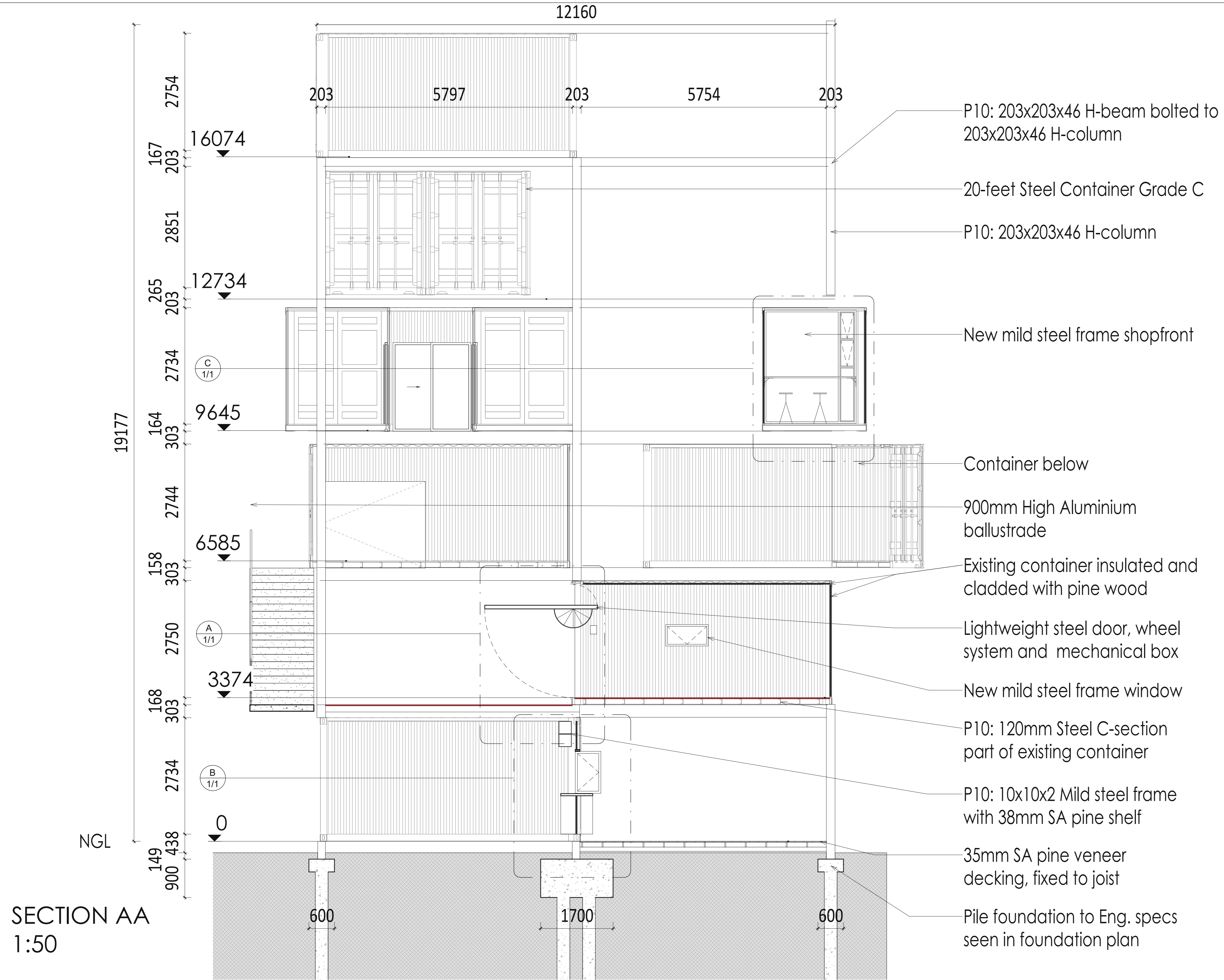
CIRCULATION SYSTEM



OPEN PLATFORM LIFT

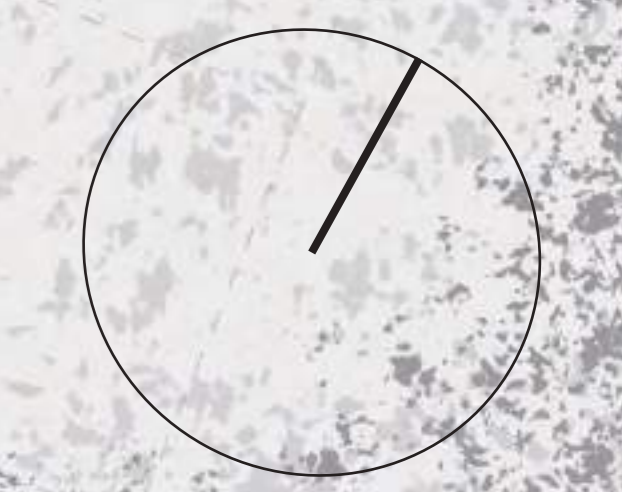
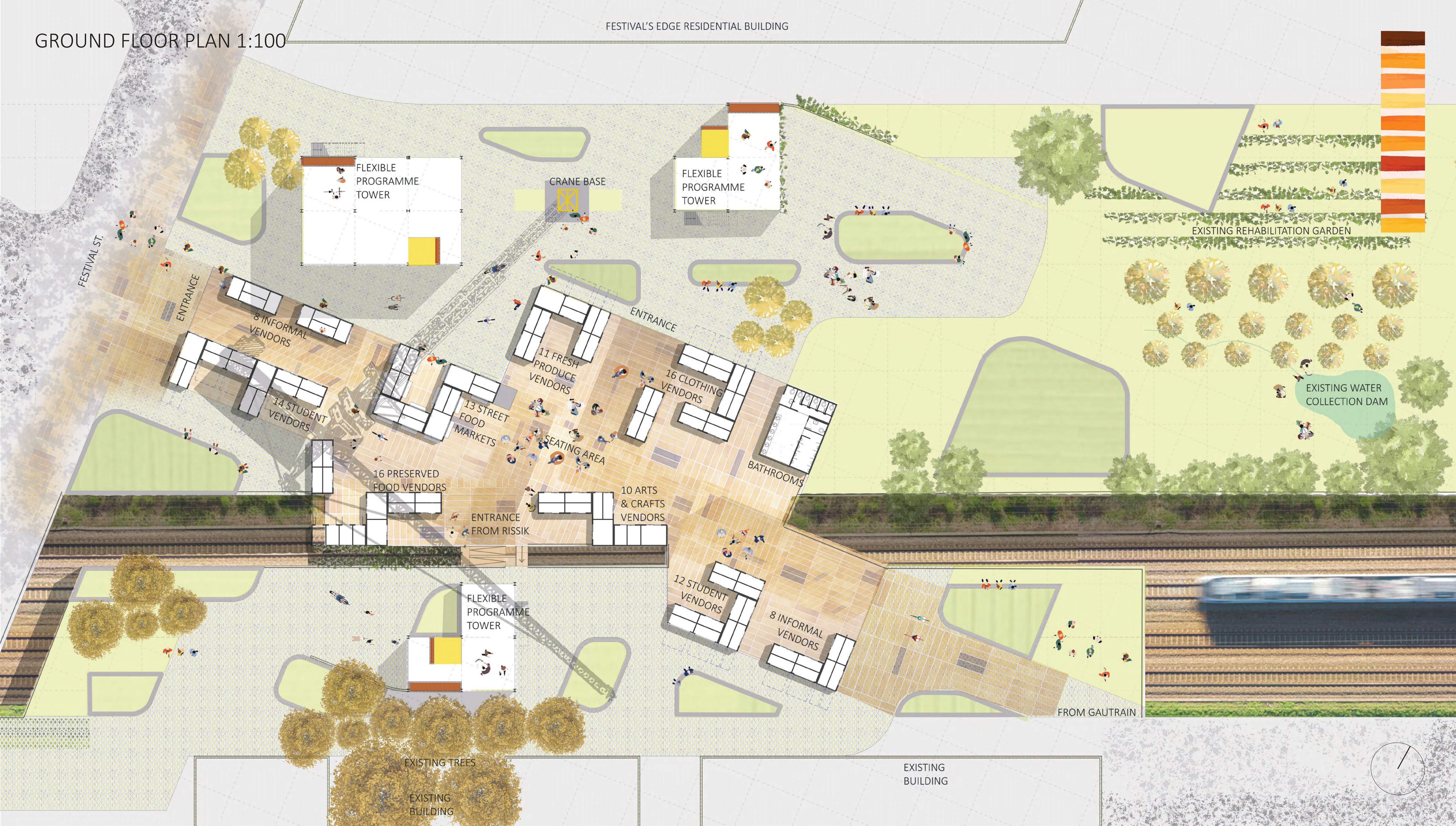
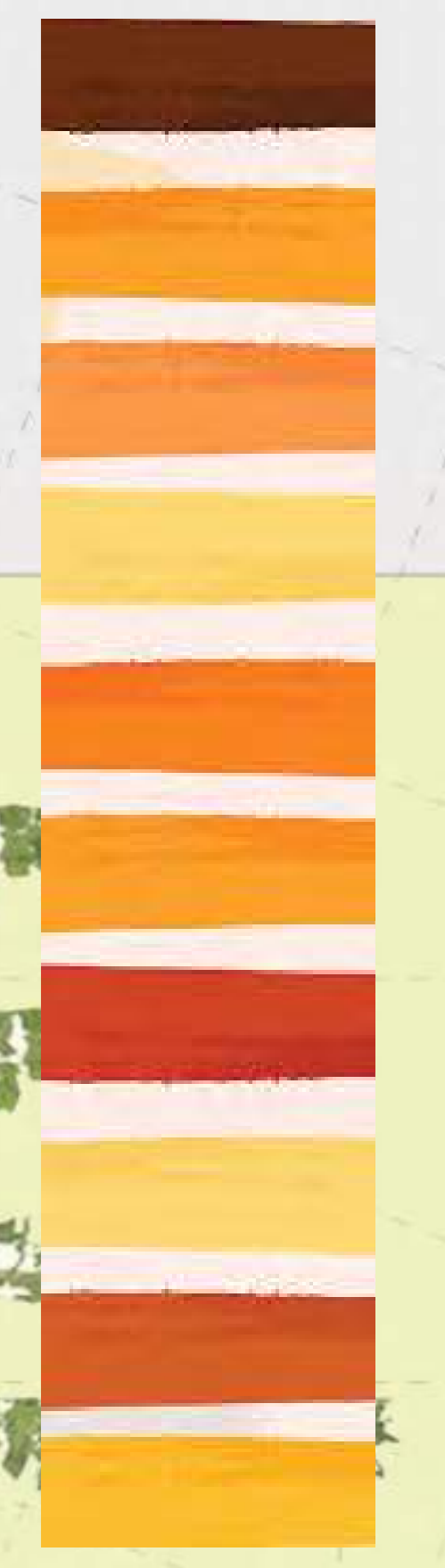


-  CIRCULATION SYSTEM
-  ELECTRICAL PATHS
-  DUCTS
-  WATER HARVEST
-  WATER SUPPLY



GROUND FLOOR PLAN 1:100

FESTIVAL'S EDGE RESIDENTIAL BUILDING



BRIDGE FLOOR PLAN 1:50

ENTRANCE

8 INFORMAL VENDORS

14 STUDENT VENDORS

16 PRESERVE FOOD VENDORS

13 STREET FOOD MARKETS

ENTRANCE

FLEXIBLE PROGRAMME TOWER

11 FRESH PRODUCE VENDORS

SEATING AREA

ENTRANCE

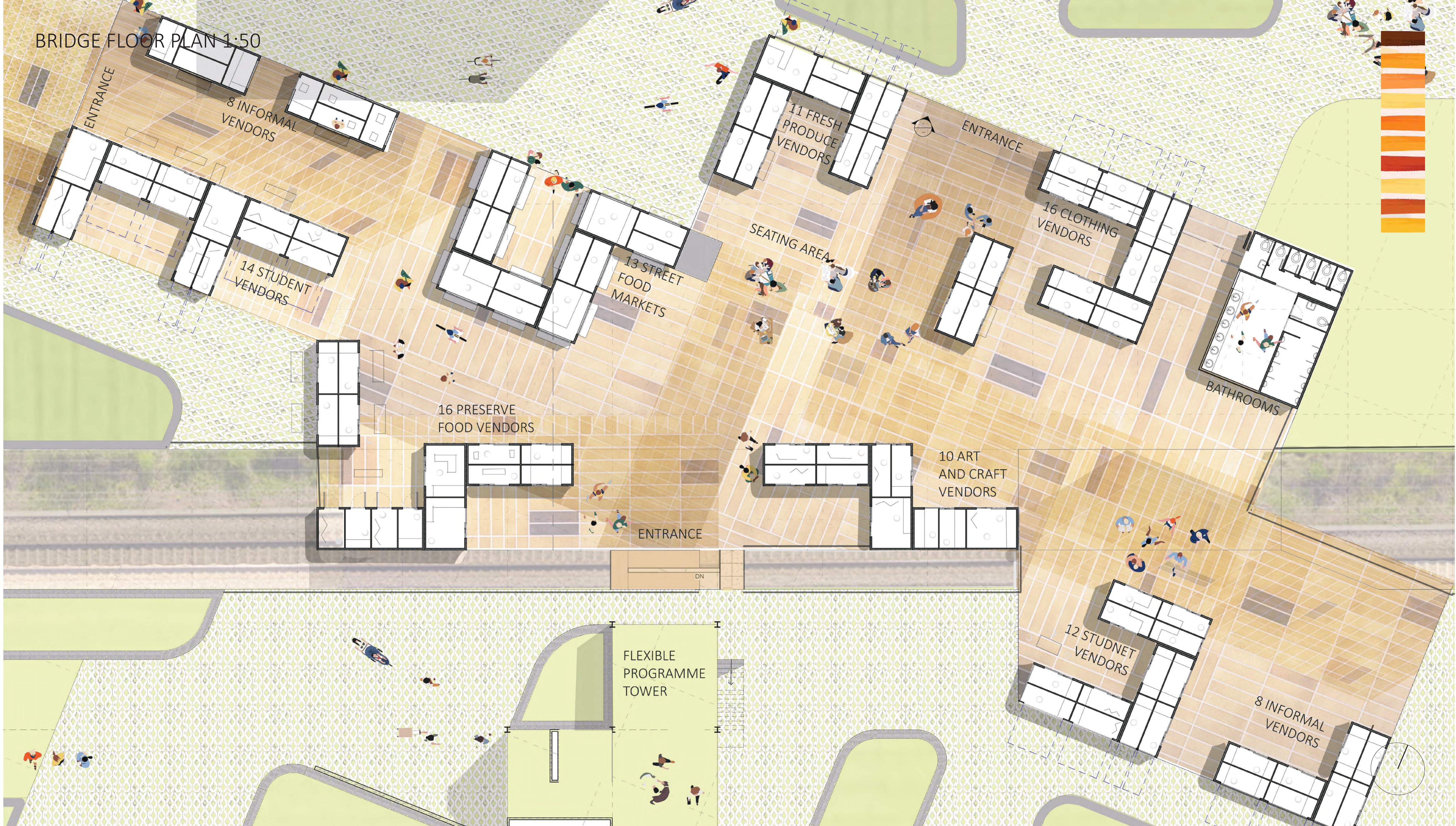
10 ART AND CRAFT VENDORS

12 STUDNET VENDORS

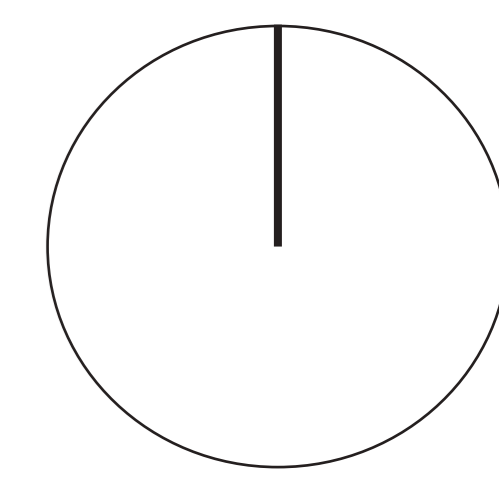
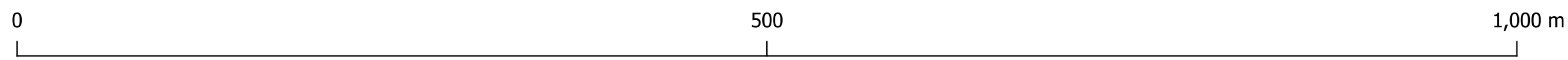
16 CLOTHING VENDORS

BATHROOMS

8 INFORMAL VENDORS



EXISTING NODES AND MOVEMENT



ADJUSTABLE TOWER PLANS 1:100



FIRST FLOOR DAY
HOT DESKS & CAFE



SECOND FLOOR DAY
HOT DESKS & BATHROOM



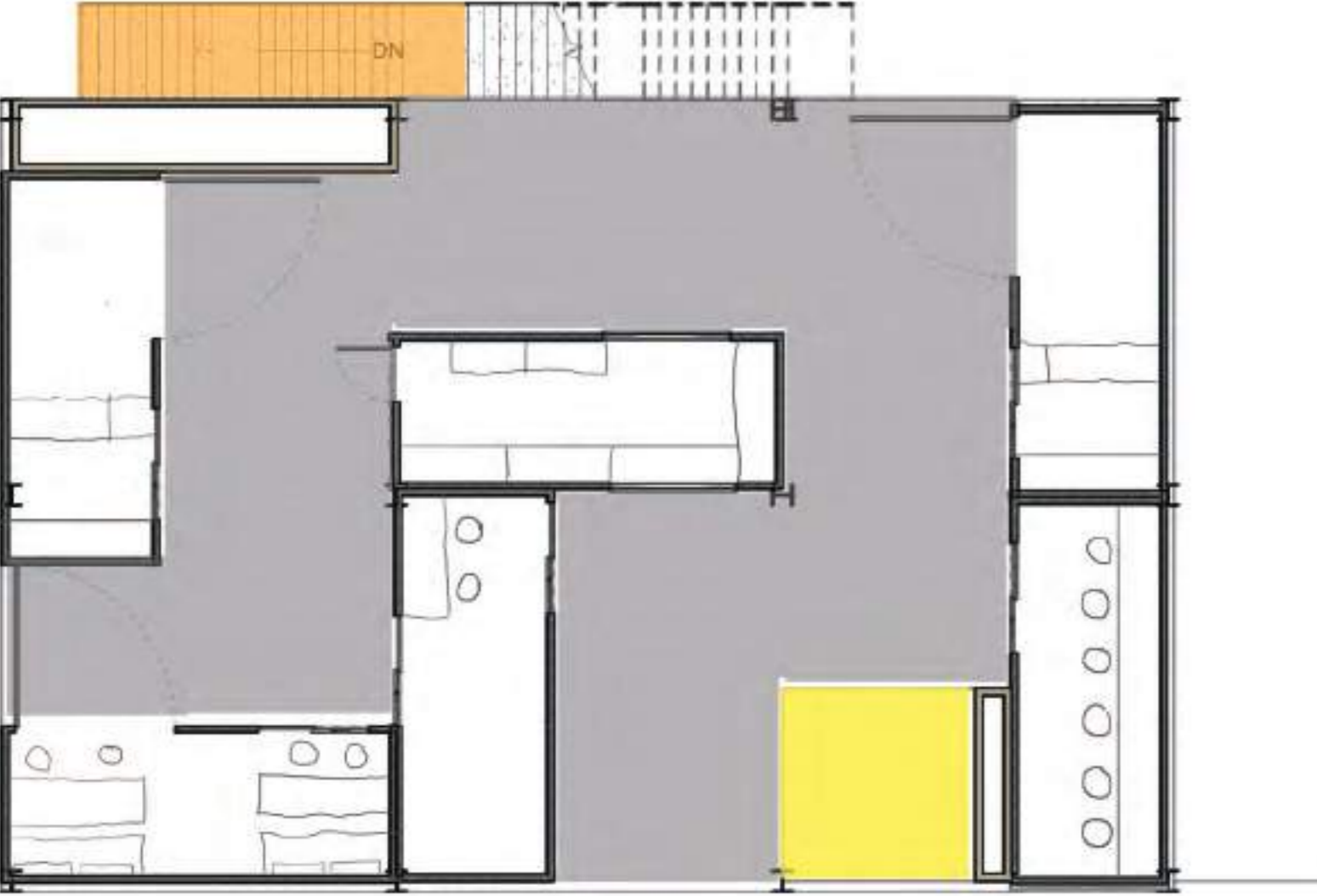
THIRD FLOOR DAY
BOARDROOM & RESTAURANT



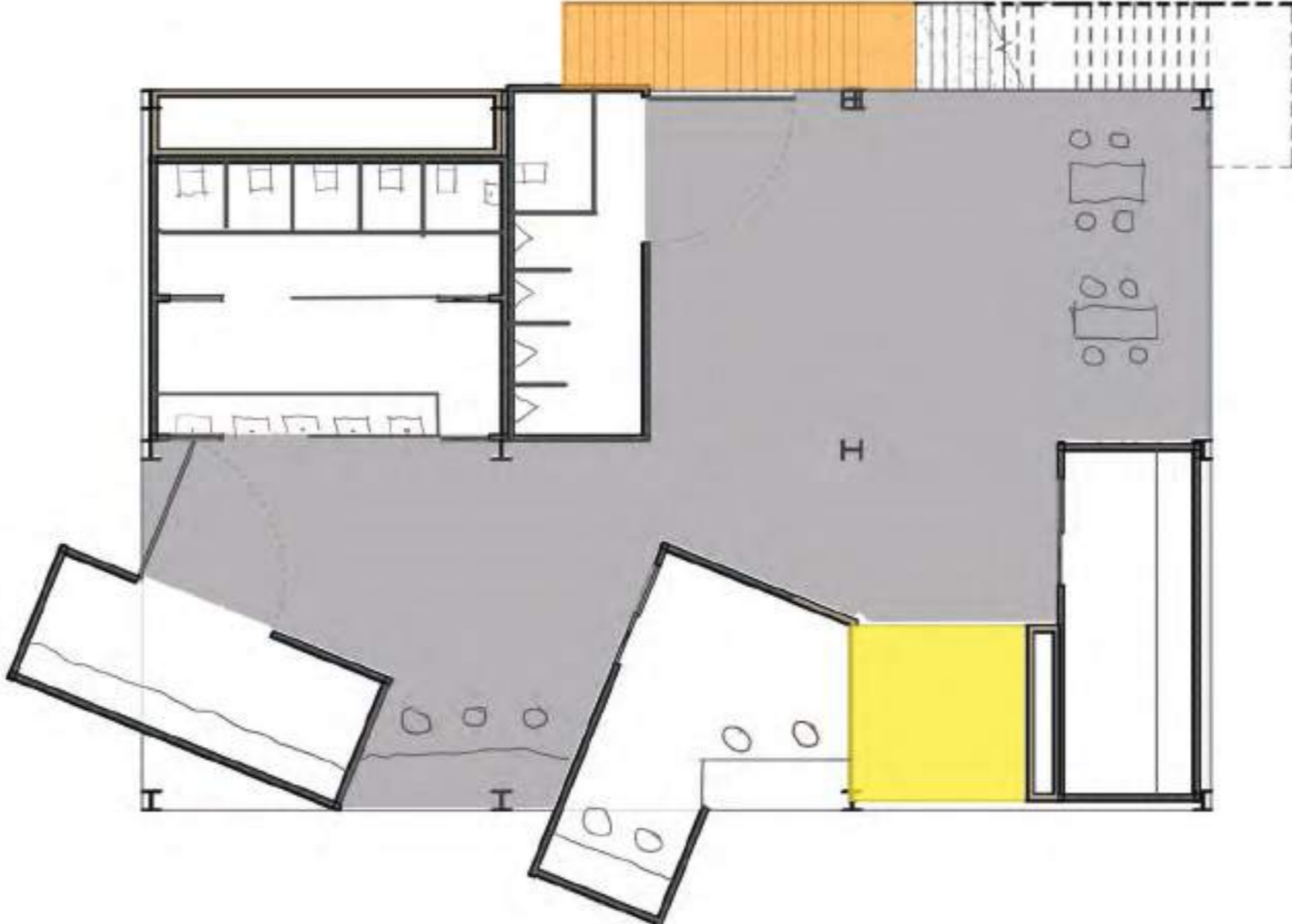
FOURTH FLOOR DAY
CONSULTATION ROOMS



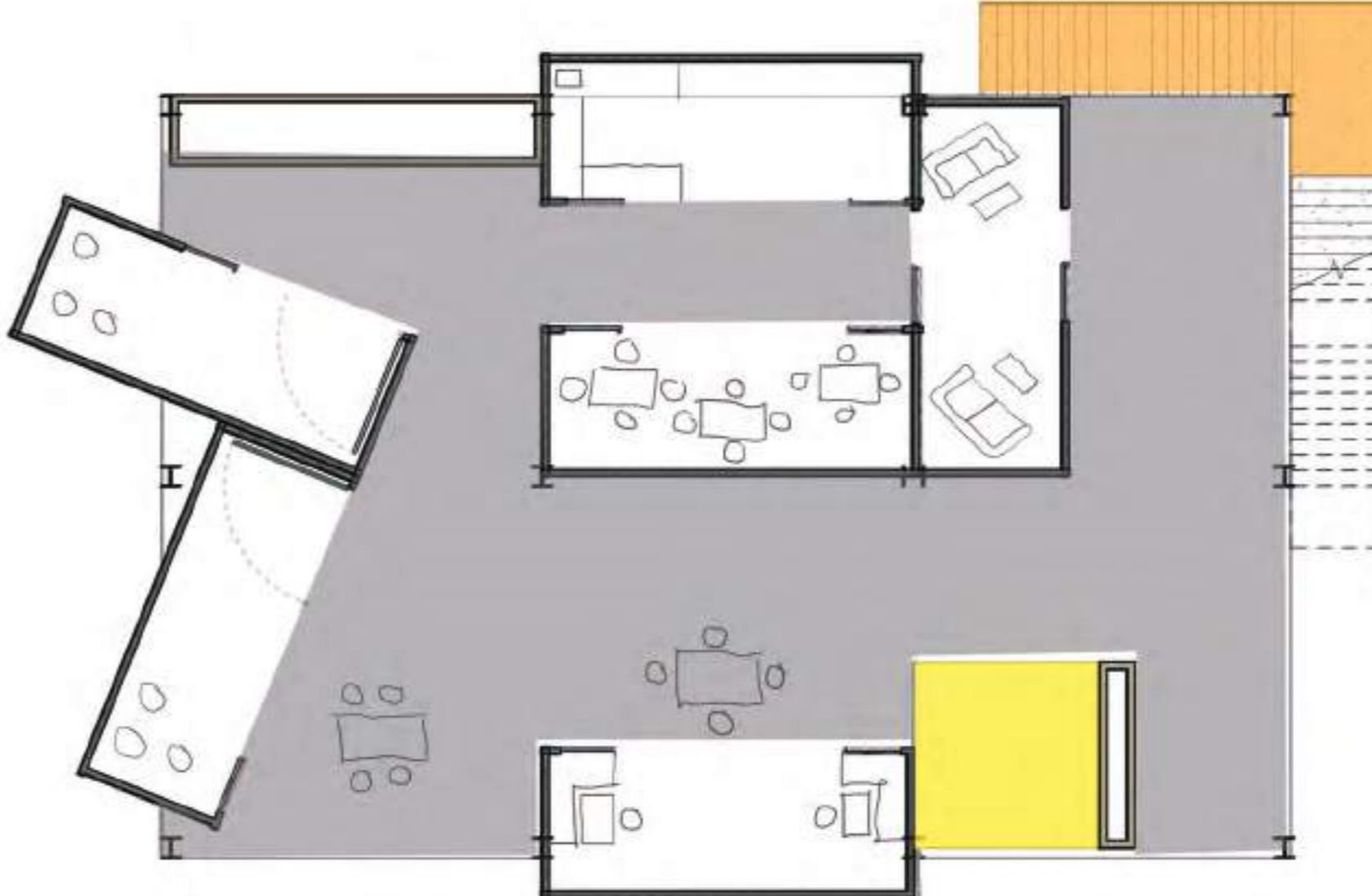
FIFTH FLOOR DAY
CONSULTATION ROOMS



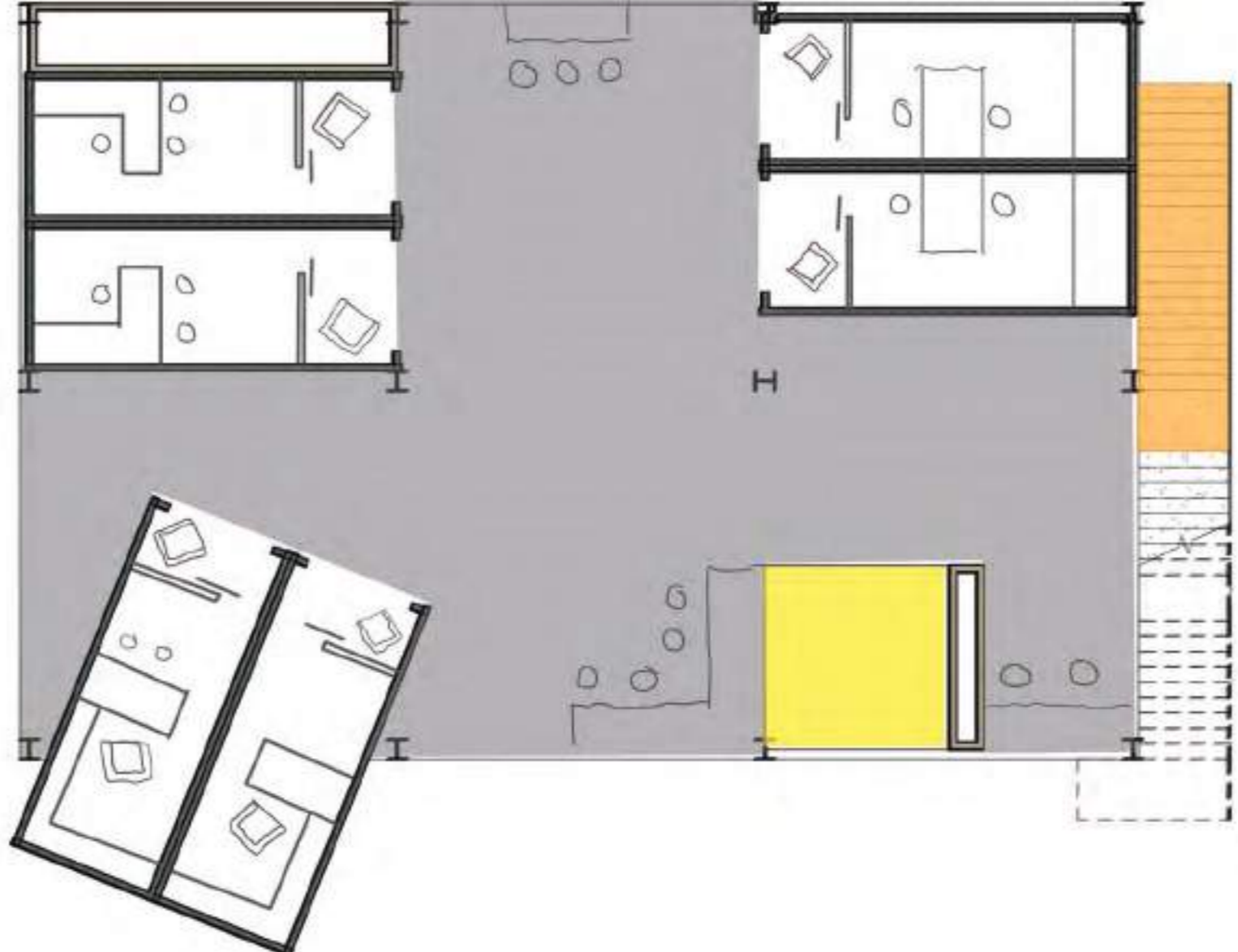
FIRST FLOOR NIGHT
CLUBS & BAR



SECOND FLOOR NIGHT
CLUBS & BATHROOM



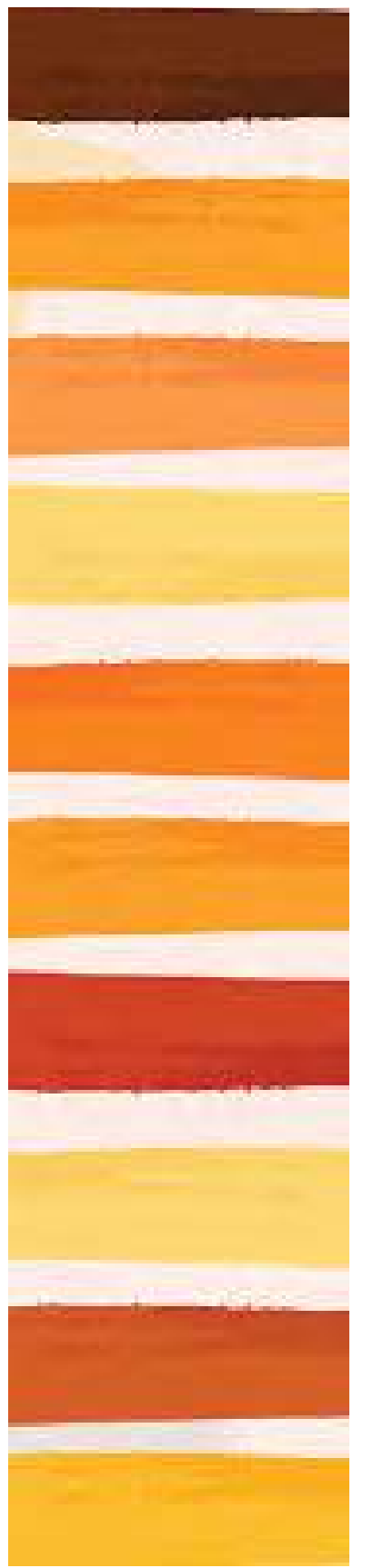
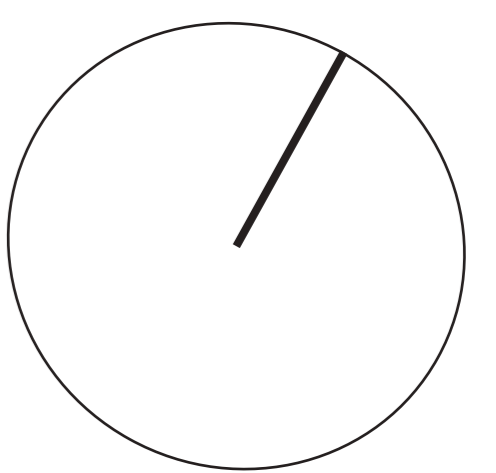
THIRD FLOOR DAY
RESTAURANT



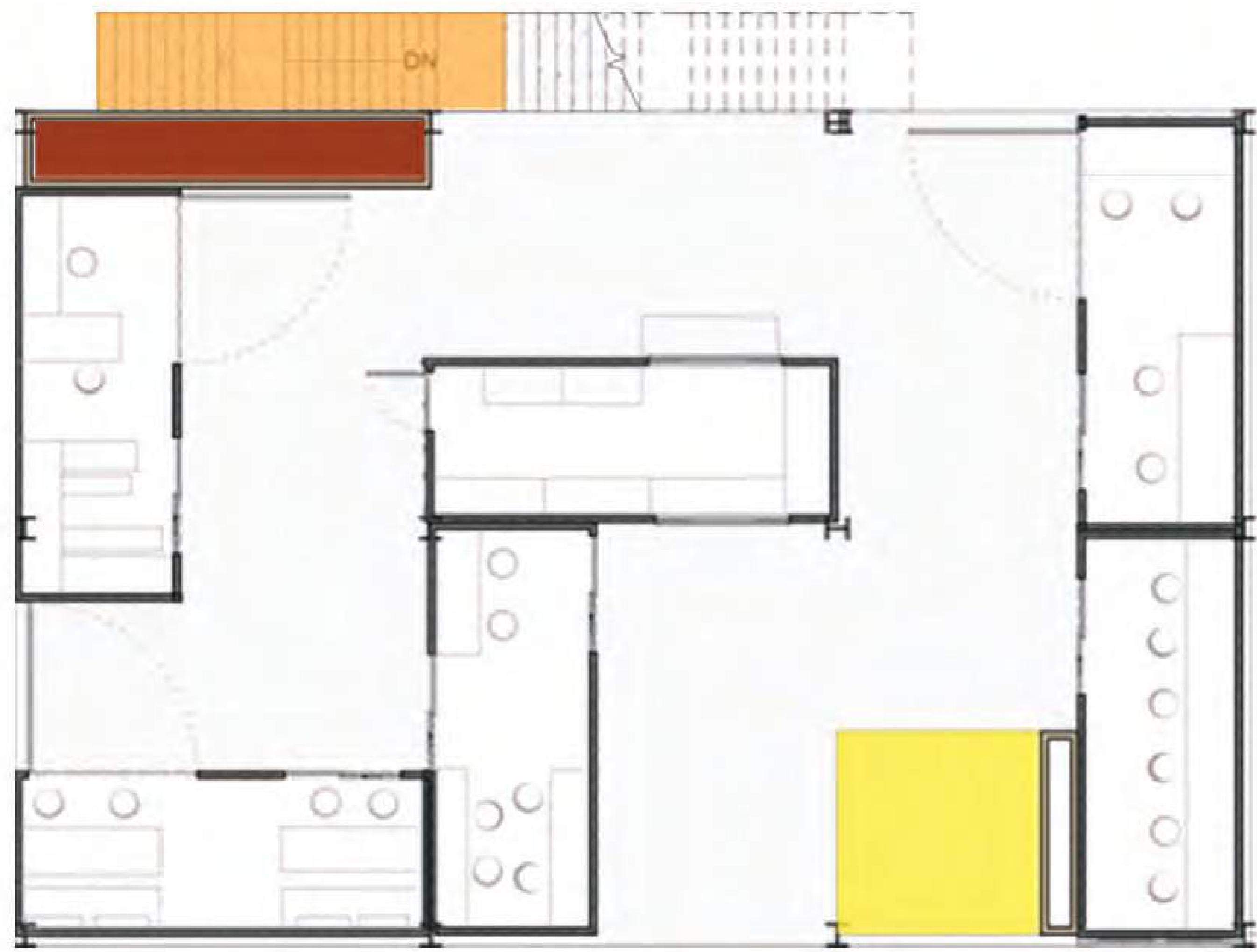
FOURTH FLOOR NIGHT
PRIVATE RESTAURANT ROOMS



FIFTH FLOOR NIGHT
COCKTAIL CORNERS



ALTERNATIVE LAYOUTS FOR FIRST FLOOR 1:50



Open space as a path



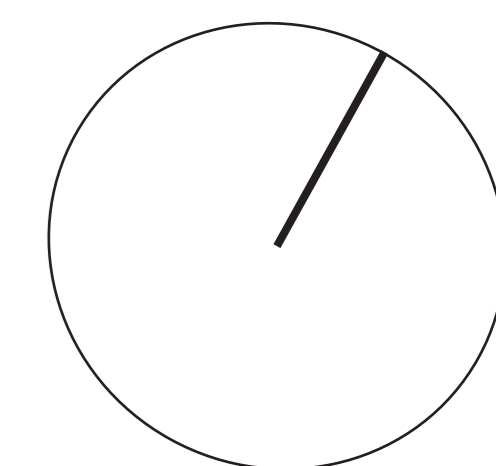
Open space as a big courtyard



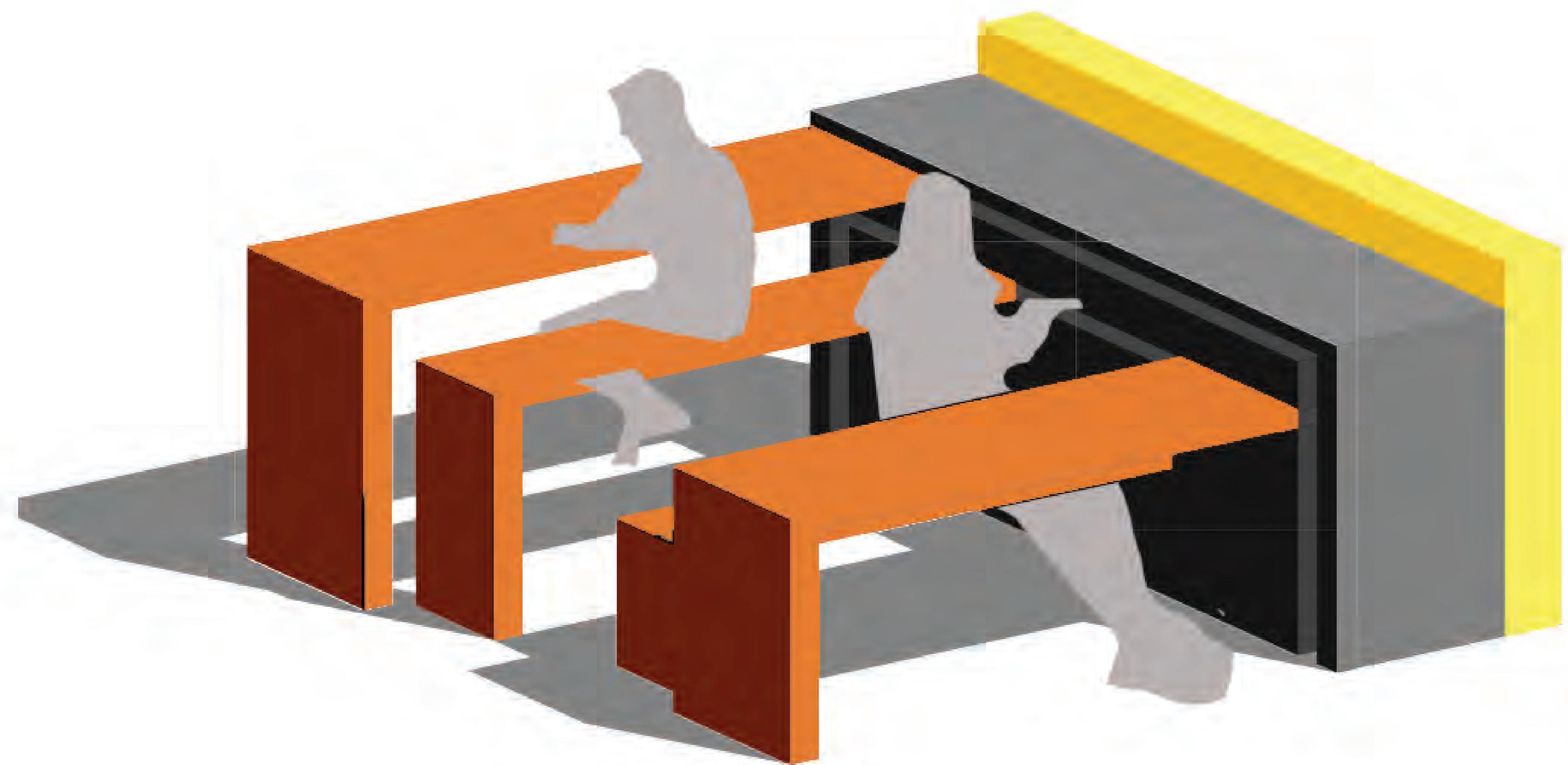
Open space as a small courtyard



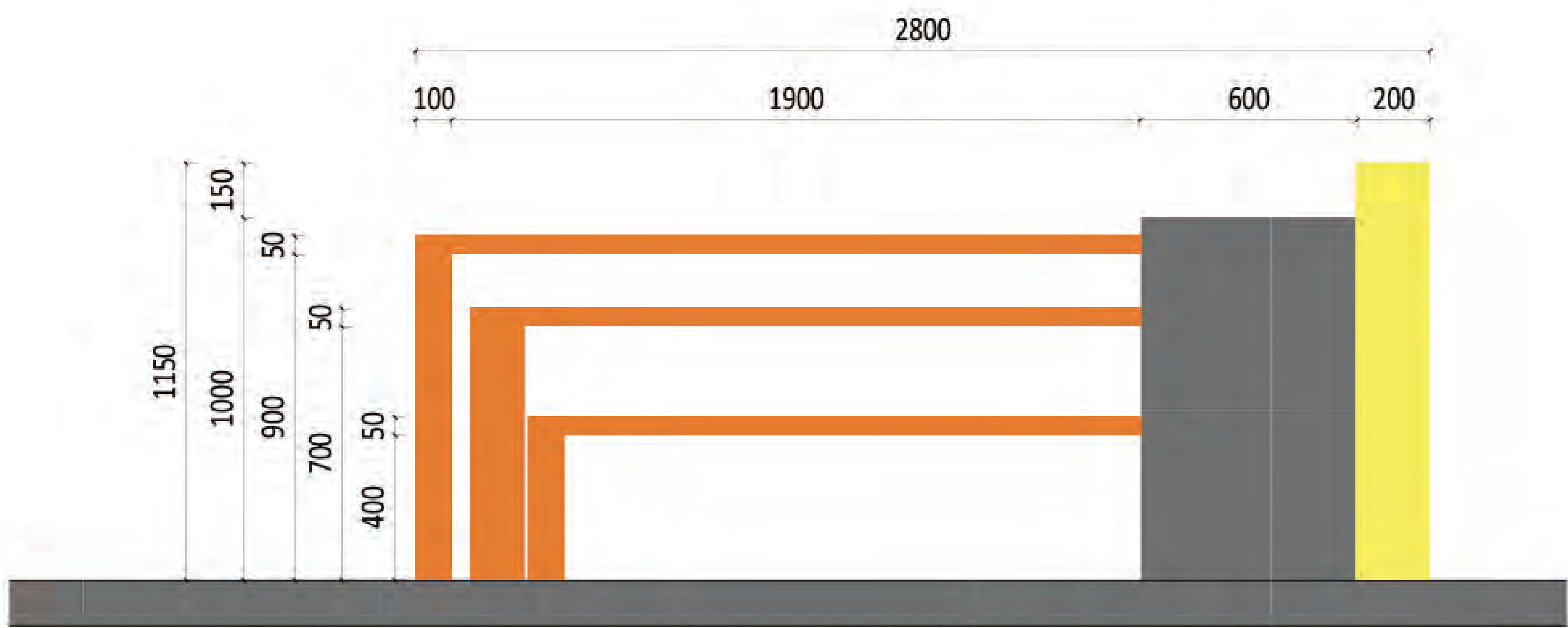
Open space as a direct link



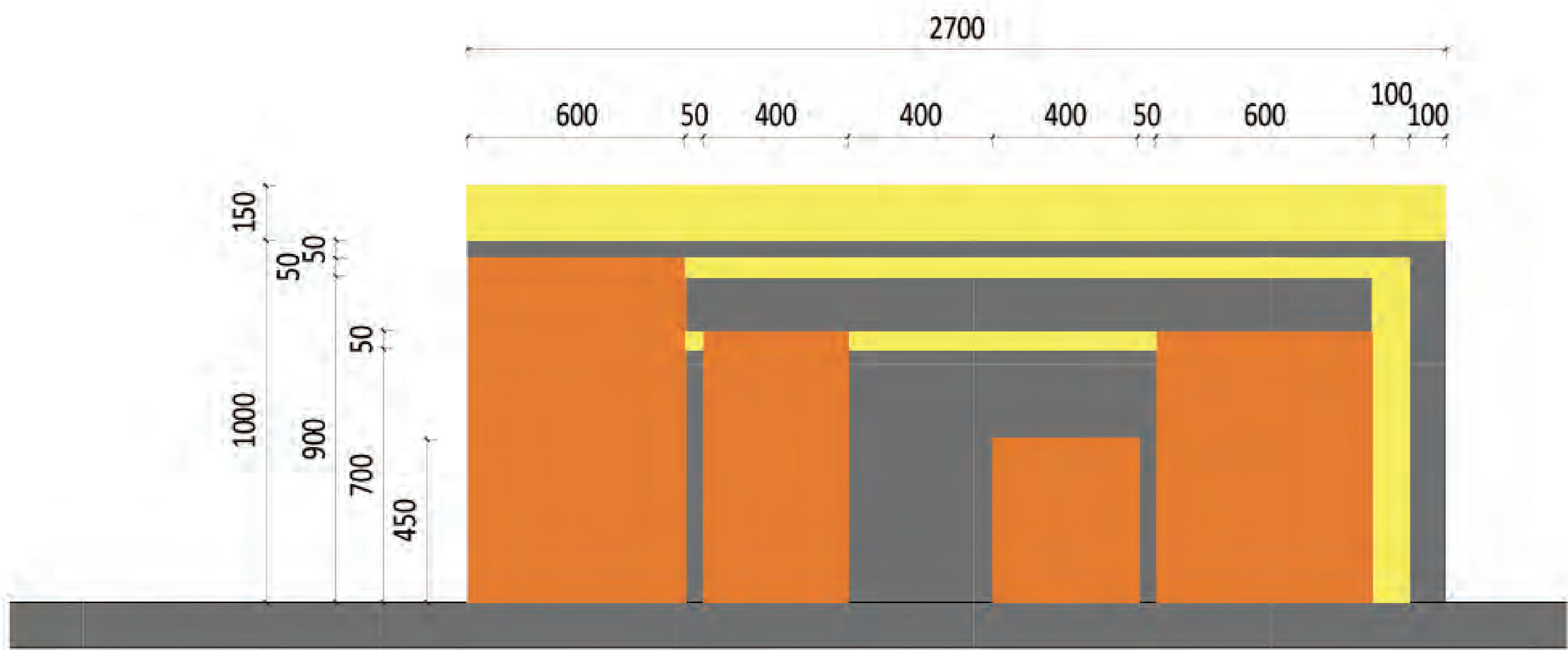
FIRST FLOOR DAY PLANS 1:25



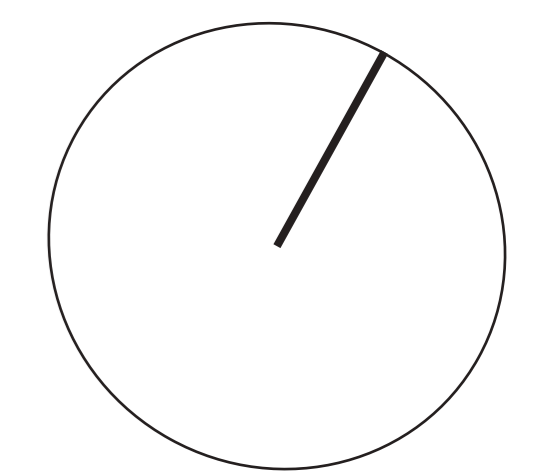
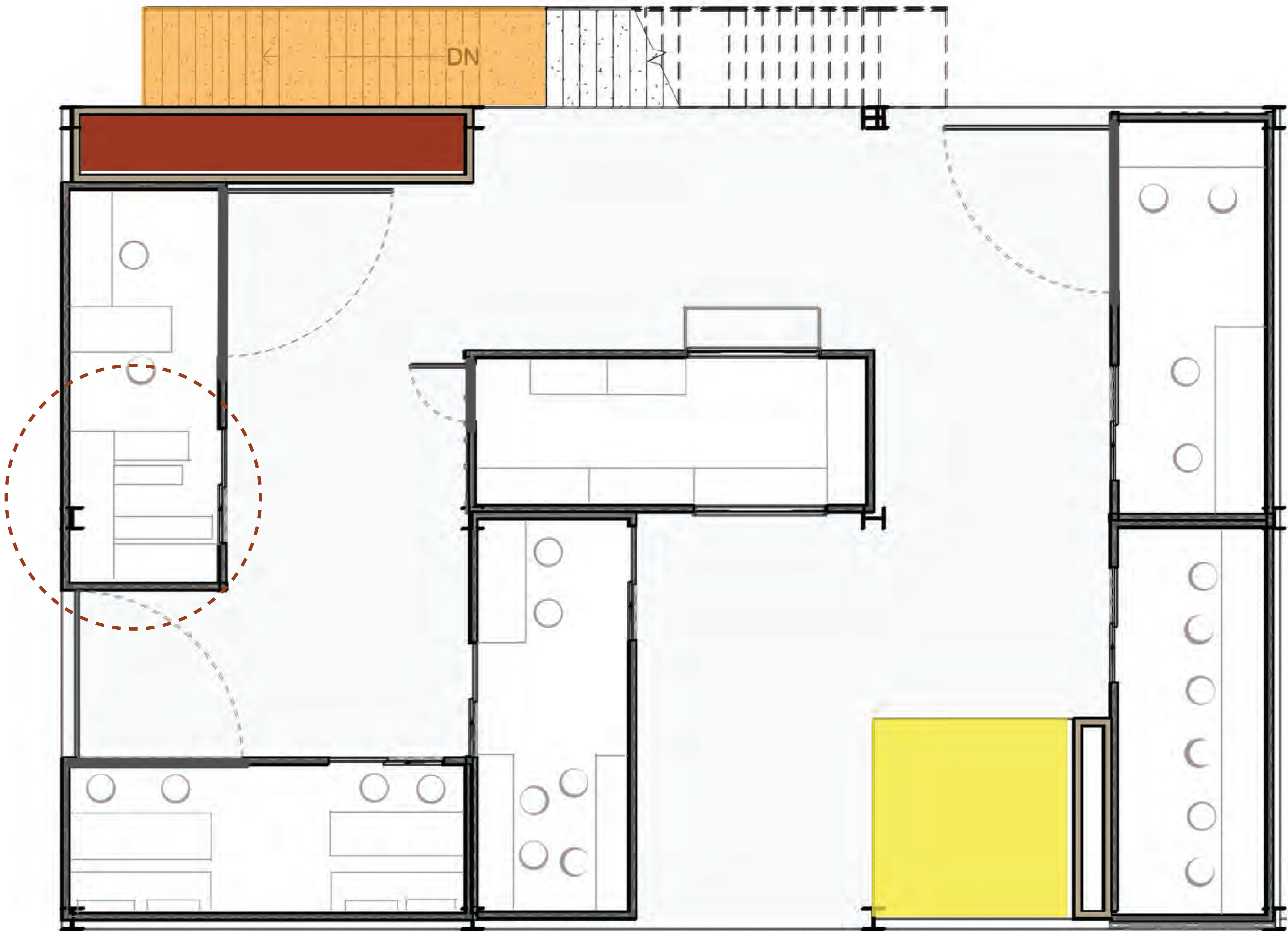
Isometric flexible desk 1:10



Right elevation flexible desk 1:10



Front elevation flexible desk 1:10



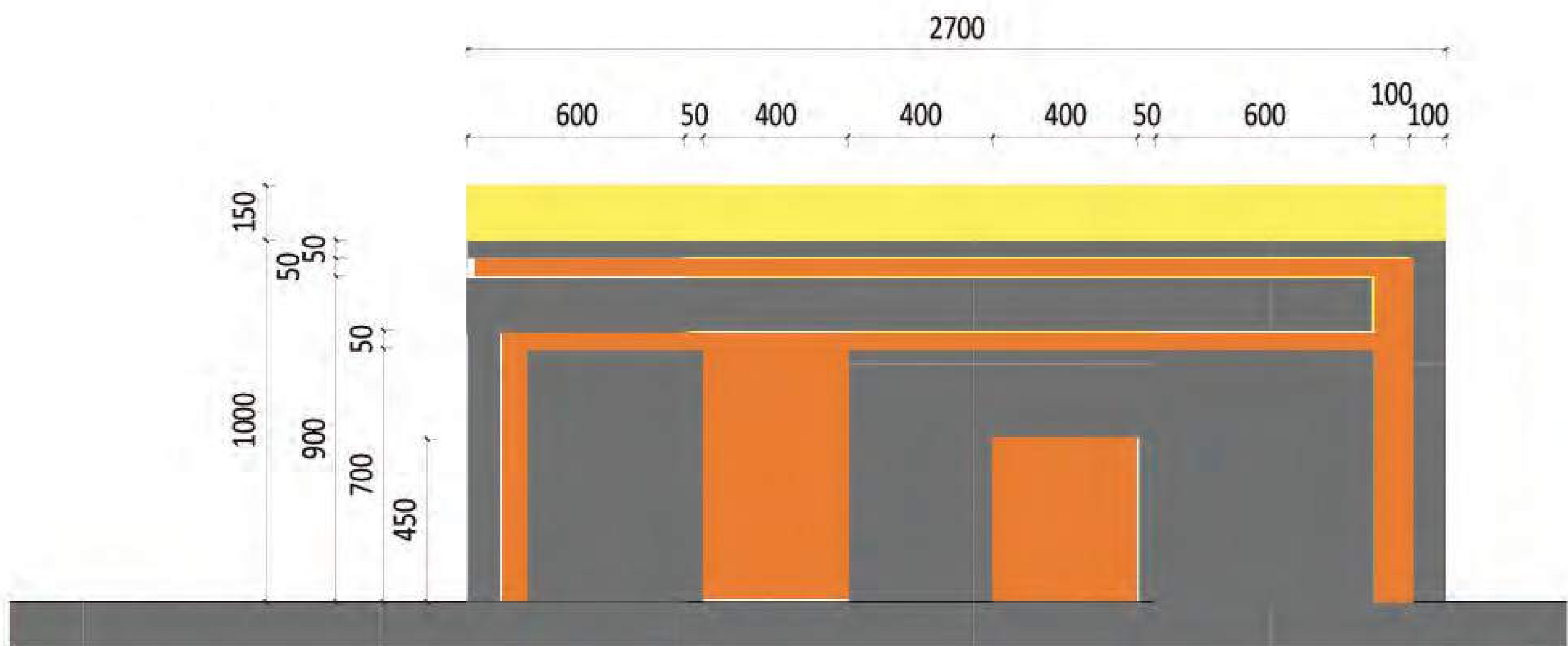
FIRST FLOOR DAY PLANS 1:25



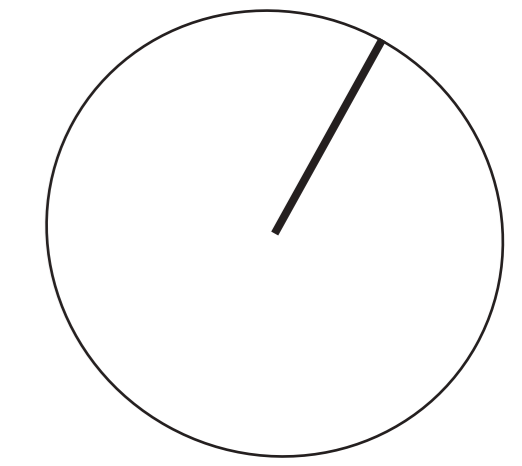
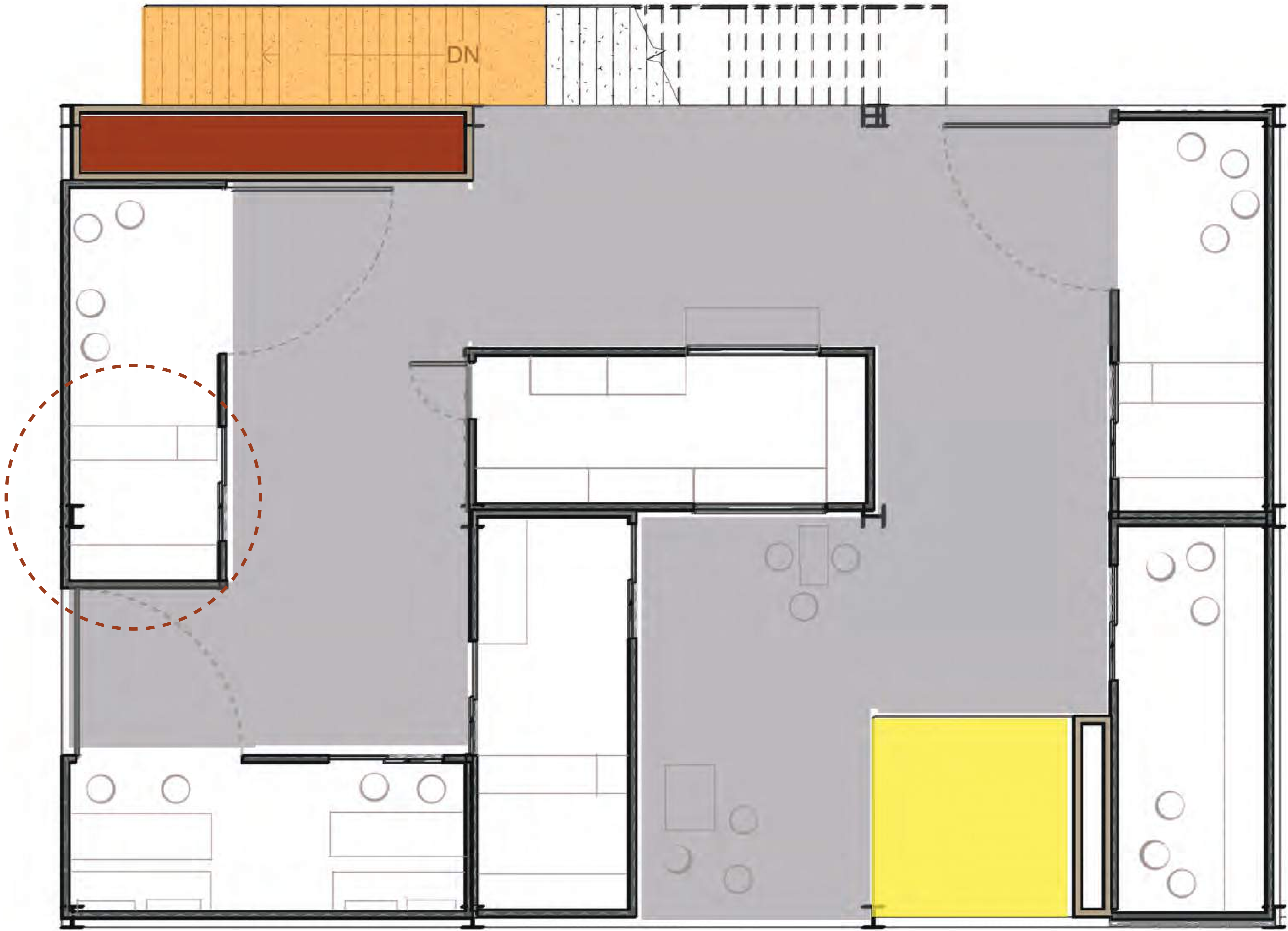
Isometric flexible bar 1:10



Right elevation flexible bar 1:10



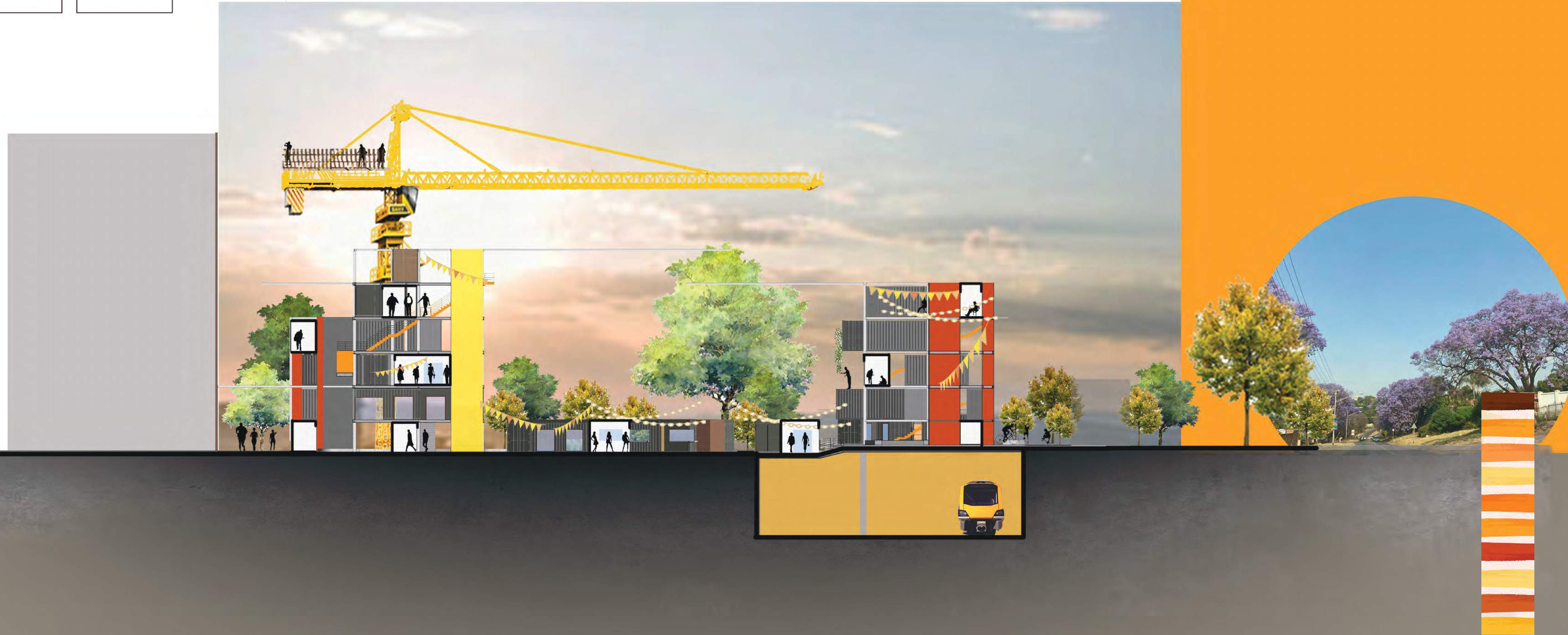
Front elevation flexible bar 1:10



LONG SECTION 1:100



SHORT SECTION 1:100



EASTERN ENTRANCE TO BRIDGE



DAY VS EVENING ON BRIDGE



VIEW POINT FROM CRANE

