

ARCHITECTURAL PORTFOLIO

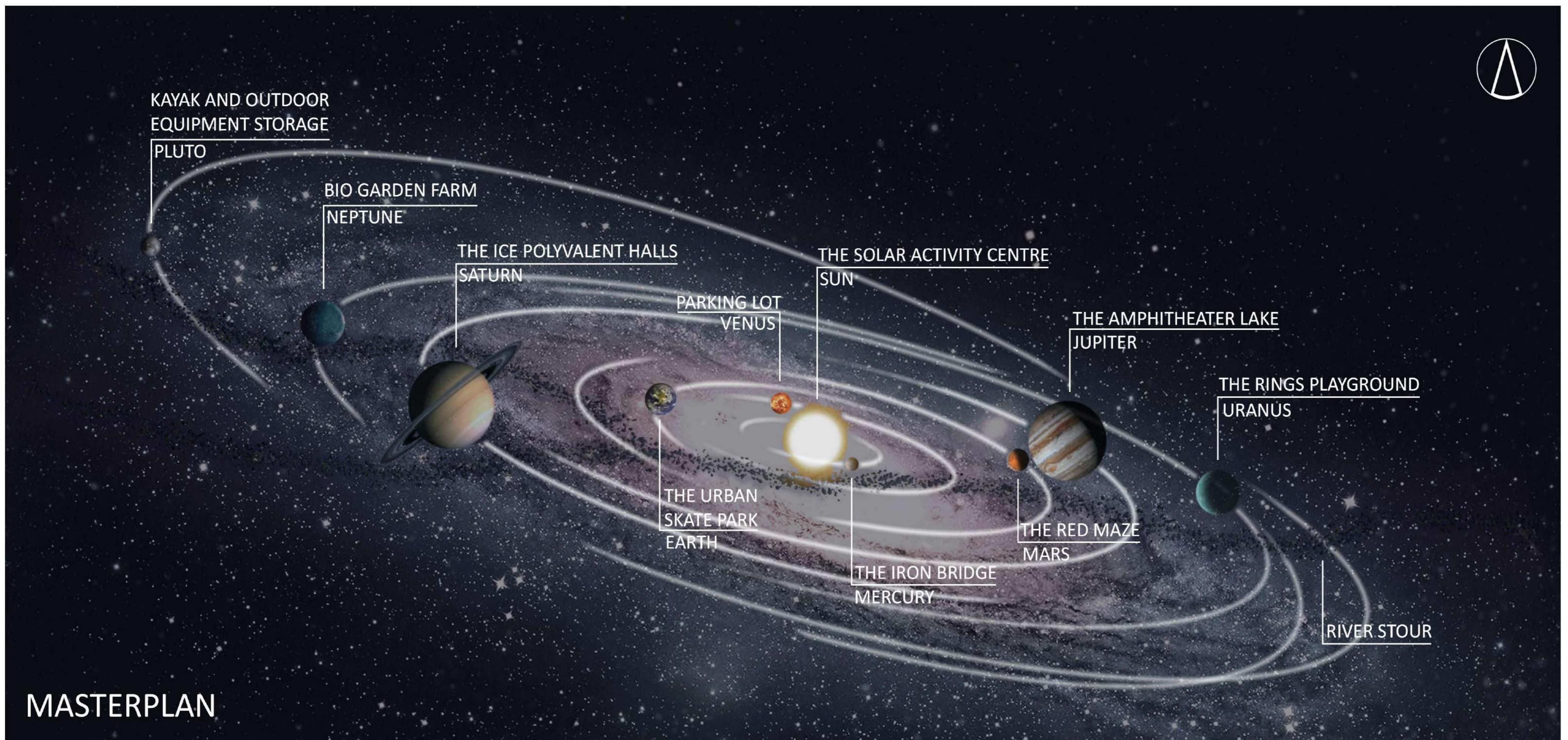


MARIA DOMIDE

SELECTED WORKS

2016 - 2019

The Solar System Activity Centre



MASTERPLAN

The project proposes a new building, an associated landscape and activity spaces, that form an activity center offering opportunities for people, to get fit through play and exercise, but also to pursue hobbies and take part in recreational activities. The concept of the project is the Solar System; all buildings and areas are representing the planets, while their size and position on-site follow the natural proportions found in the Solar System. The main building, inspired from the

Canterbury Cathedral which can be seen at the horizon from the site, is designed to honour the site's heritage and illustrated in the masterplan as the sun; all the other areas gravitate around it, giving the site a well-balanced and functioning circulation flow, while the raised on edges landscape creates a concentric feeling which naturally leads the users to the center and prevent the flooding of the site as River Stour that runs alongside the South of the side may rise by one meter annually. These characteristics

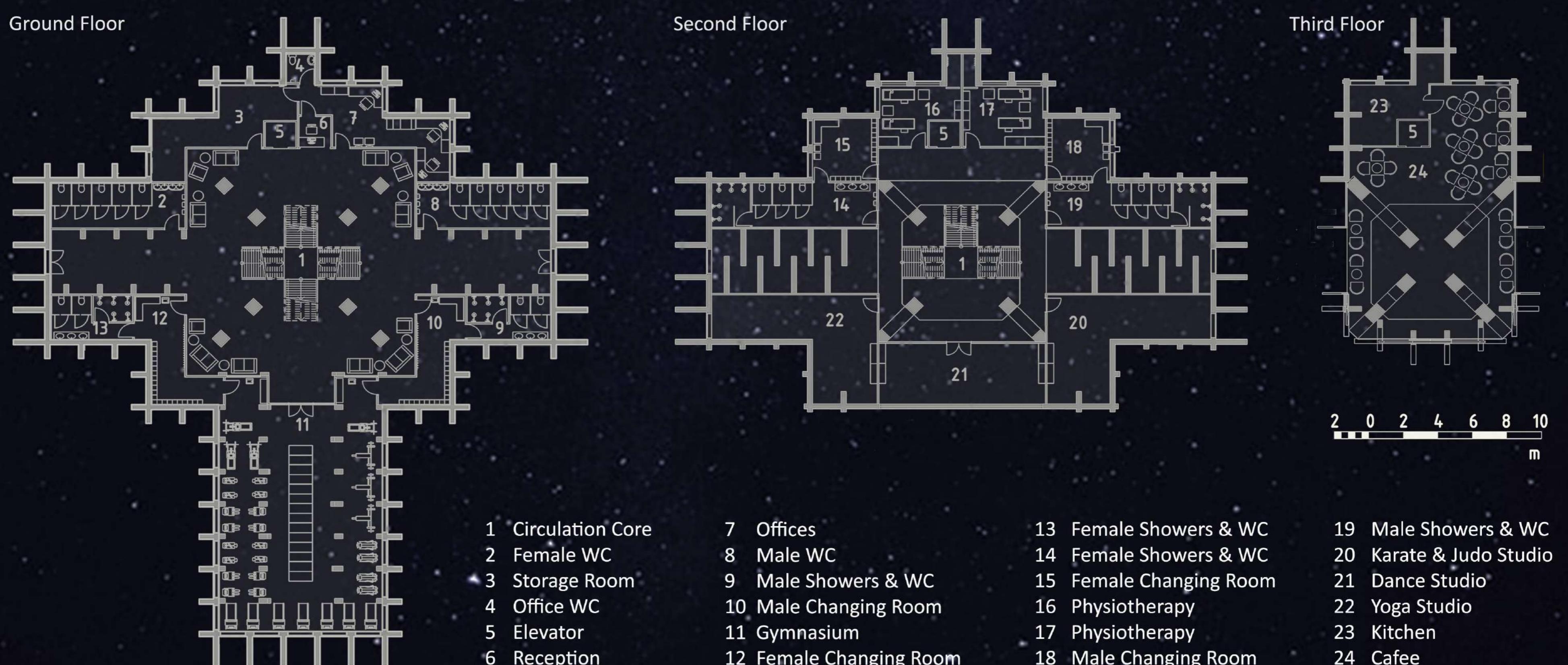
of the site make the orientation feel easy and natural, enabling its users to feel comfortable and confident in their interaction with the activity center. The kayaks already represent a touristic activity in Canterbury and by allowing an expansion of their route on the site, there will be provided clearer visibility to the activity center and a new touristic point, the last component mentioned practically contributing to better engagement and participation.



THE MAIN BUILDING

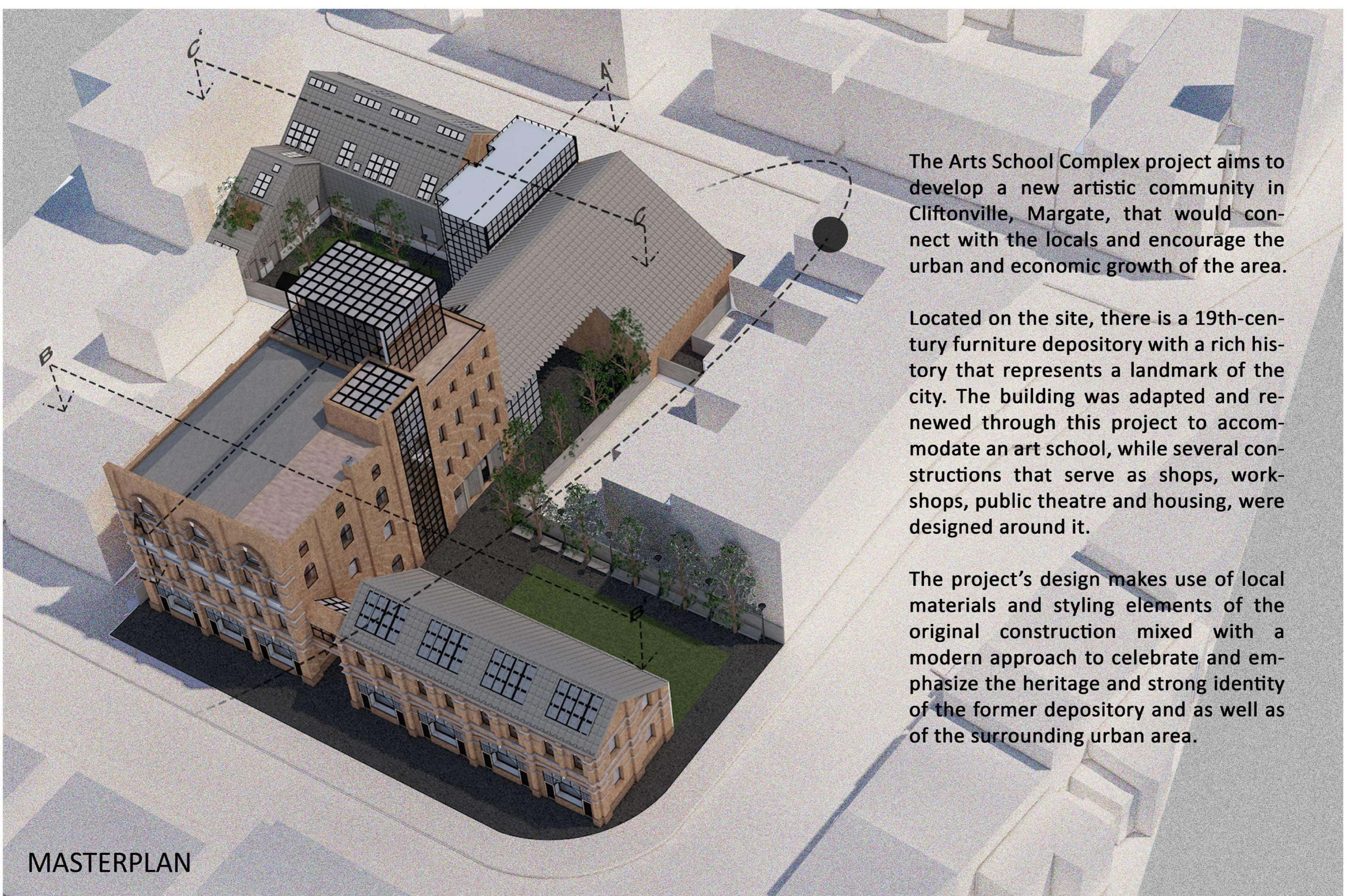


**MAIN BUILDING - STRUCTURE
EXPLODED AXONOMETRY AND PROJECTIONS**



MAIN BUILDING - PLANS

Cliftonville Arts School Complex



The Arts School Complex project aims to develop a new artistic community in Cliftonville, Margate, that would connect with the locals and encourage the urban and economic growth of the area.

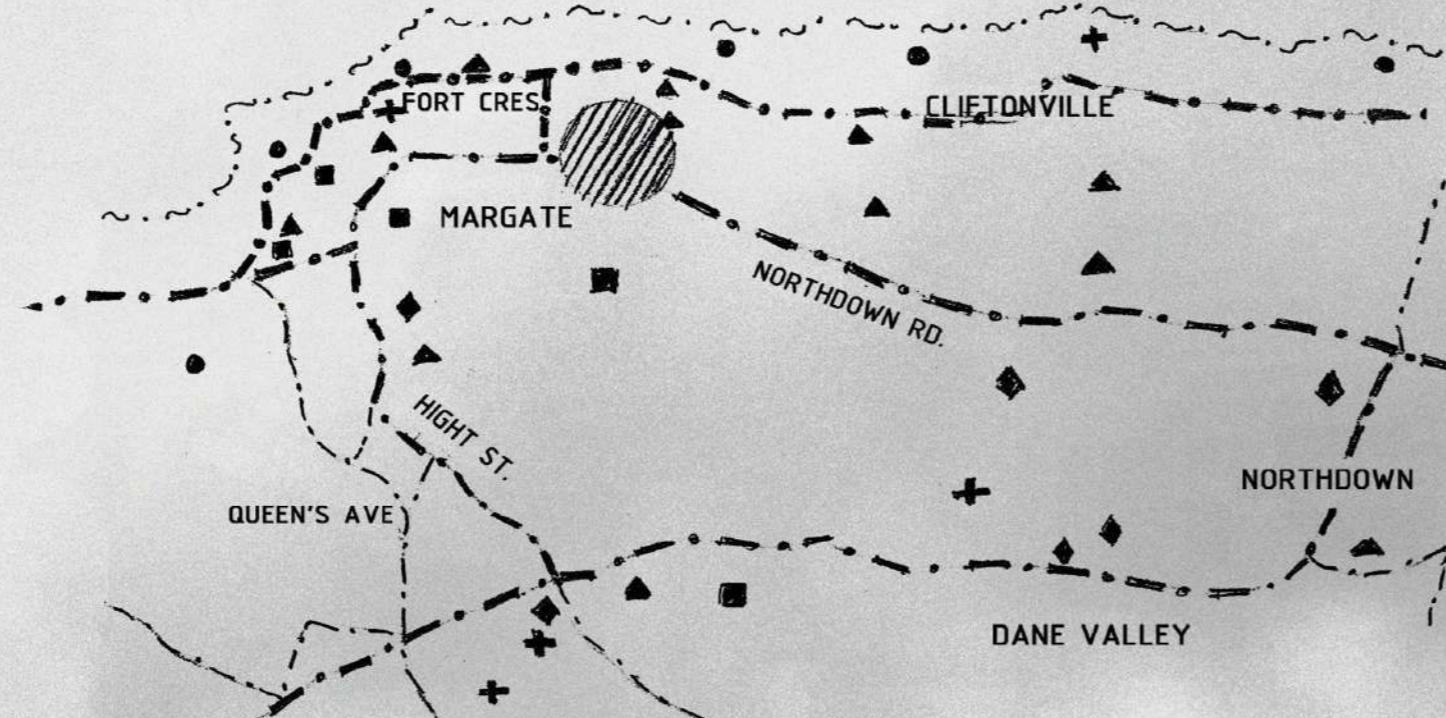
Located on the site, there is a 19th-century furniture depository with a rich history that represents a landmark of the city. The building was adapted and renewed through this project to accommodate an art school, while several constructions that serve as shops, workshops, public theatre and housing, were designed around it.

The project's design makes use of local materials and styling elements of the original construction mixed with a modern approach to celebrate and emphasize the heritage and strong identity of the former depository and as well as of the surrounding urban area.



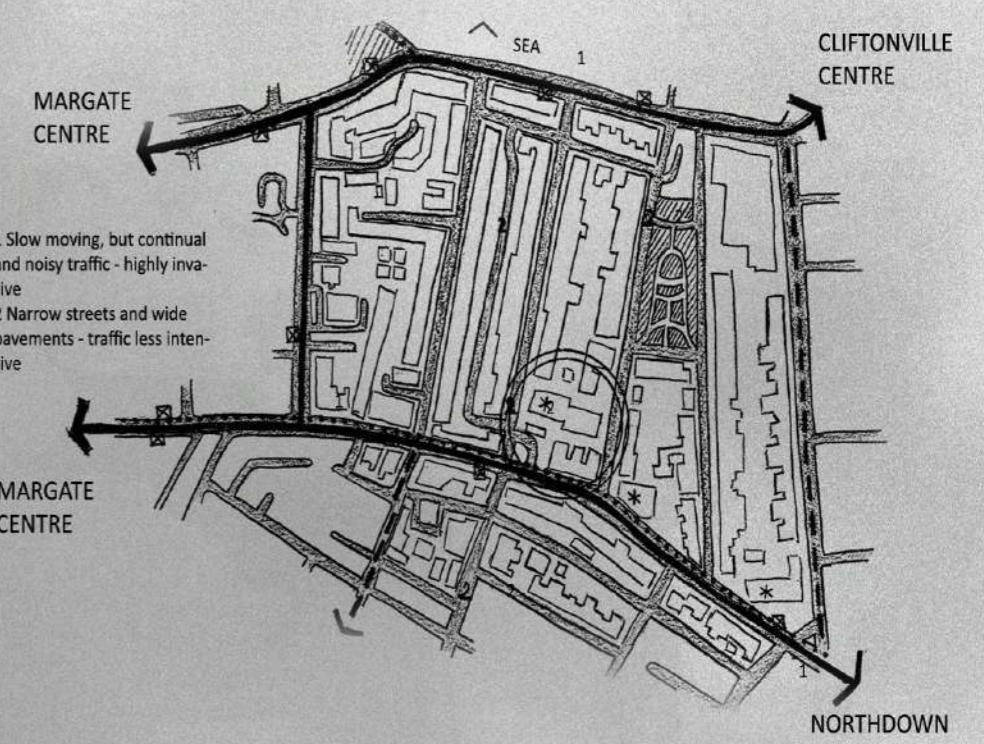
Location Diagram

ACCOMMODATION
 MUSEUM
 ENTERTAINMENT
 EDUCATION
 HEALTH
 SEA BORDER
 MAIN STREETS
 BUS ROAD



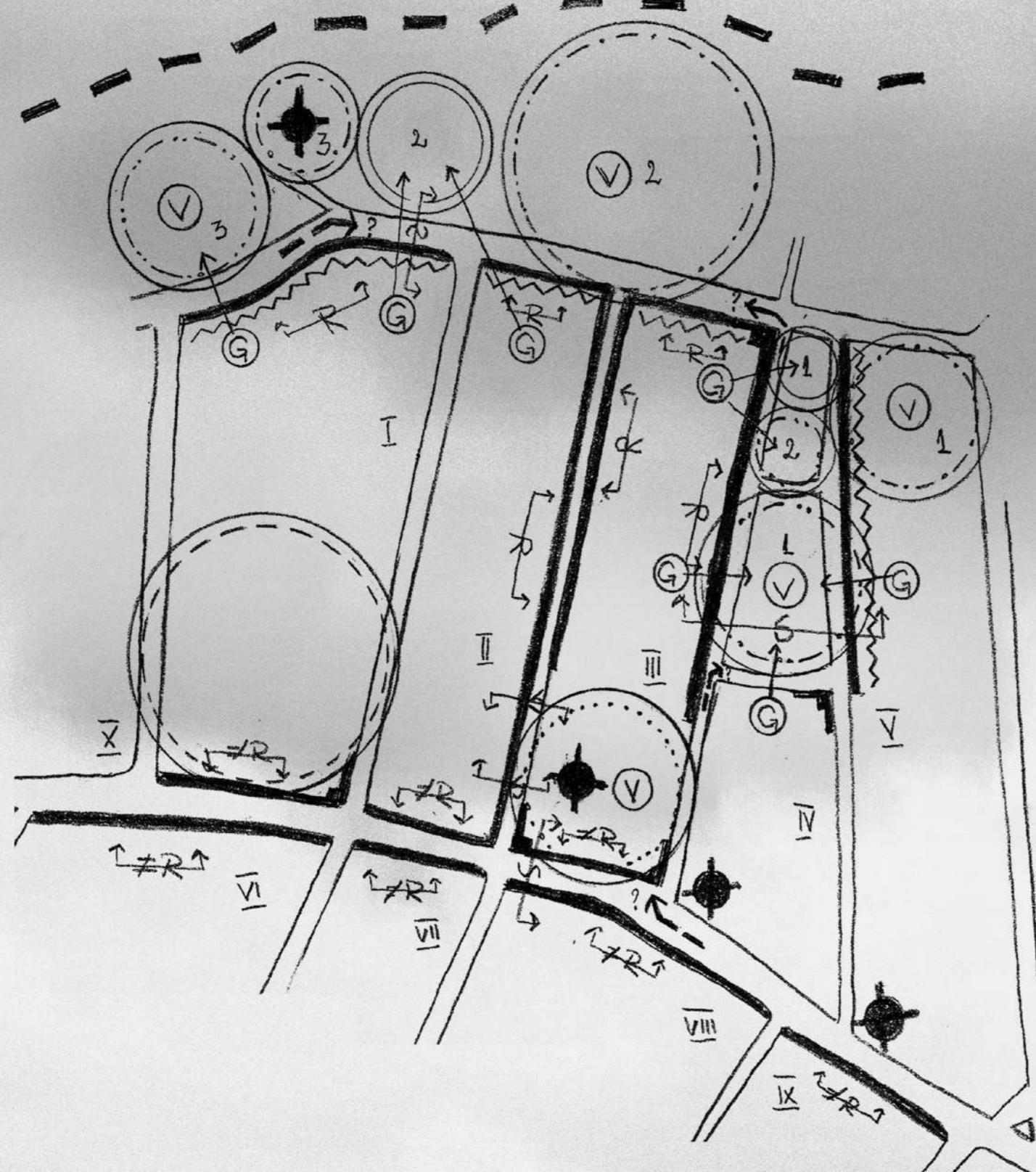
Movement Diagram

LANDMARK
 BUS STATION
 SITE AREA
 PUBLIC ROAD
 PRIMARY ROUTE
 SECONDARY ROUTE
 CYCLE WAY
 GREEN SPACES



Urban Strategy Diagram

DEFLECTED VIEW
 URBAN BLOCKS
 STREET BORDER
 UTILITIES AREA
 ACTIVITIES AREA
 PARKS AND PLAYGROUNDS
 PARKING AREA
 AREA TYPES
 EDGE (WATER)
 BUILDING LINE
 SKYLINE INTEREST
 RYTHM
 NON-RYTHM
 STREET SECTION
 VIEWPOINT
 GLIMPSE
 LANDMARK
 IMPORTANT CORNER



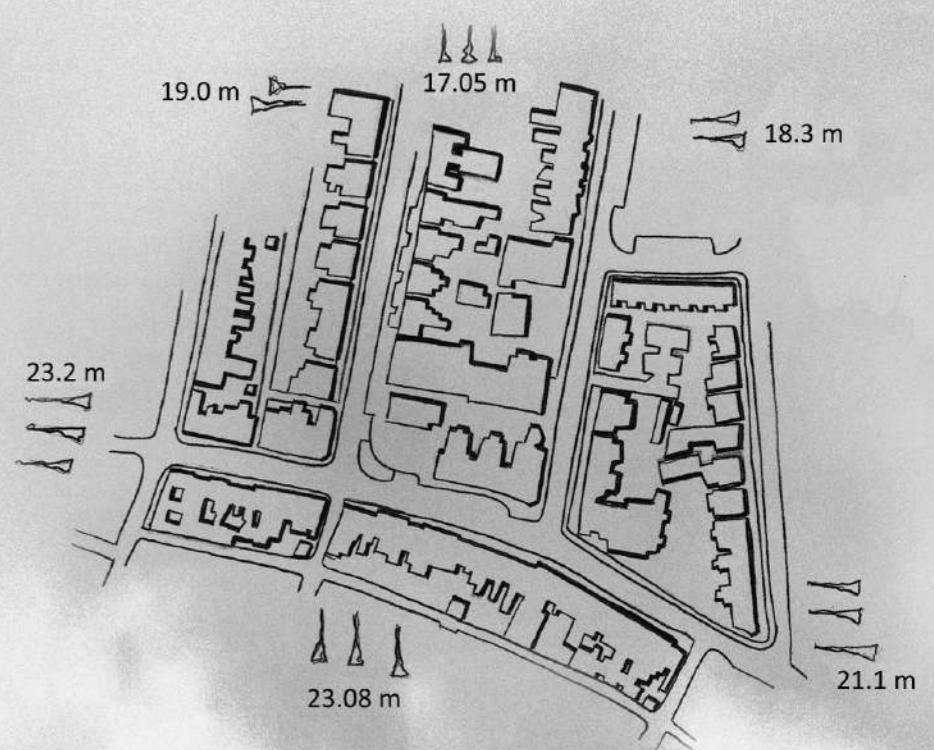
Uses Diagram

OFFICES/WORKSHOPS
 EDUCATION BUILDINGS
 CHURCH
 COMMERCIAL USE
 RESIDENTIAL AREAS
 MIXED COMMERCIAL AND RESIDENTIAL AREAS



Landscape Diagram

AFTERNOON SHADOW
 CHANGES IN LEVEL



URBAN ANALYSIS AND STRATEGY



Residential Accommodation

PLANS

Ground Floor

First Floor

CONSTRUCTION DETAILS

Façade

Section

COVER

- Copper sheet 0.6mm
- Separating layer
- Solid wood panel 27mm
- Wooden cans 80x40mm
- Waterproof sheet
- Insulation undercover 60mm
- Vapour barrier
- Laminated wood beam 160x360mm

WOODEN LOAD-BEARING STR.

- Laminated wood frame 238x1200mm

FAÇADE

- Solid wood panel 24mm + laminated wood studs 185x80mm
- Wooden cans 60x35mm
- Wooded battens 150x27mm
- Cutting panel
- Steam barrier

CARPENTRY

- Laminated wood 490x80mm
- Pine exterior carpentry
- Transparent glazing
- Light control curtain

FORGED GROUND FLOOR

- Continuous pavement of linoleum 10mm
- Concrete finish 80mm

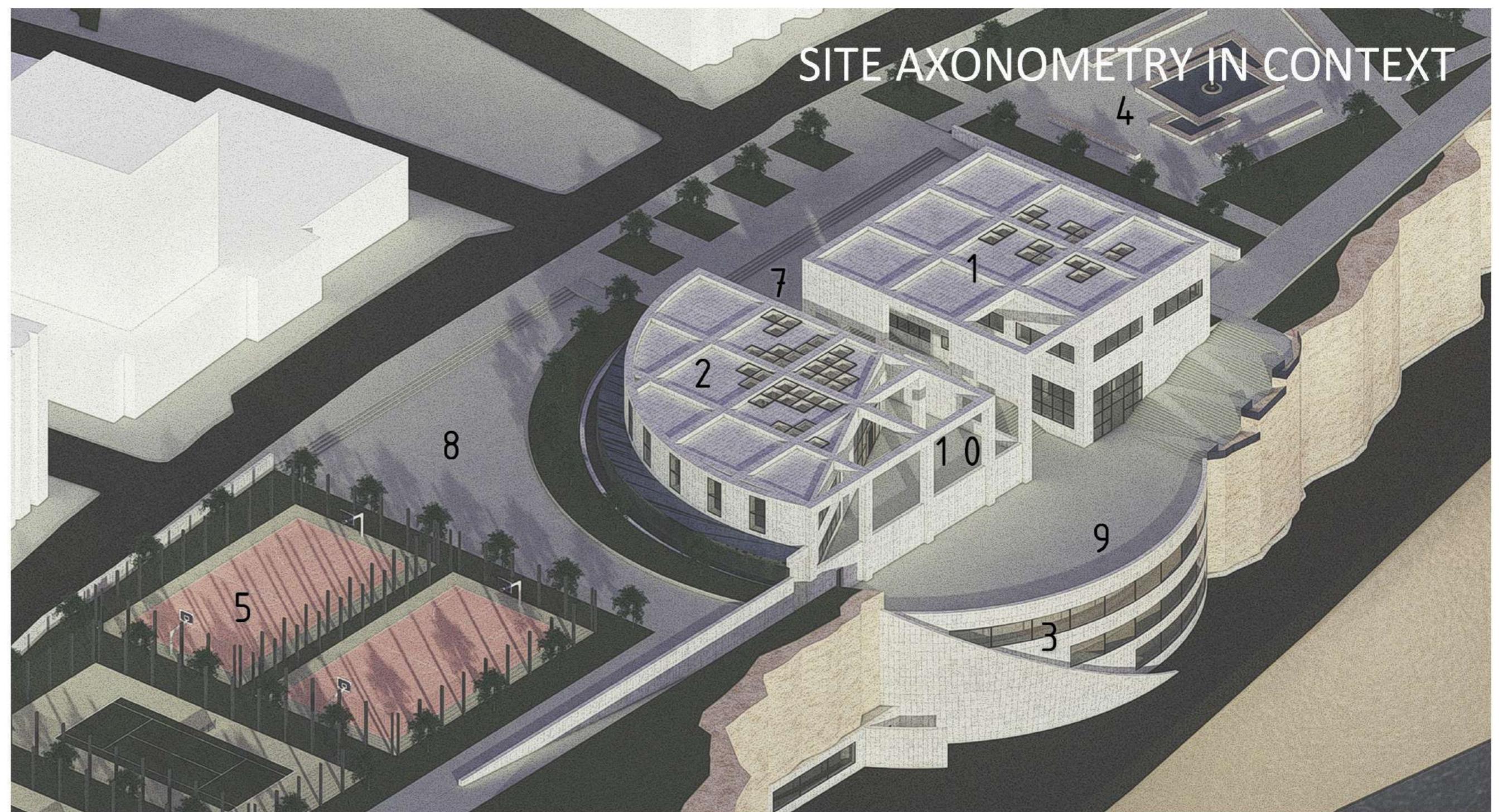
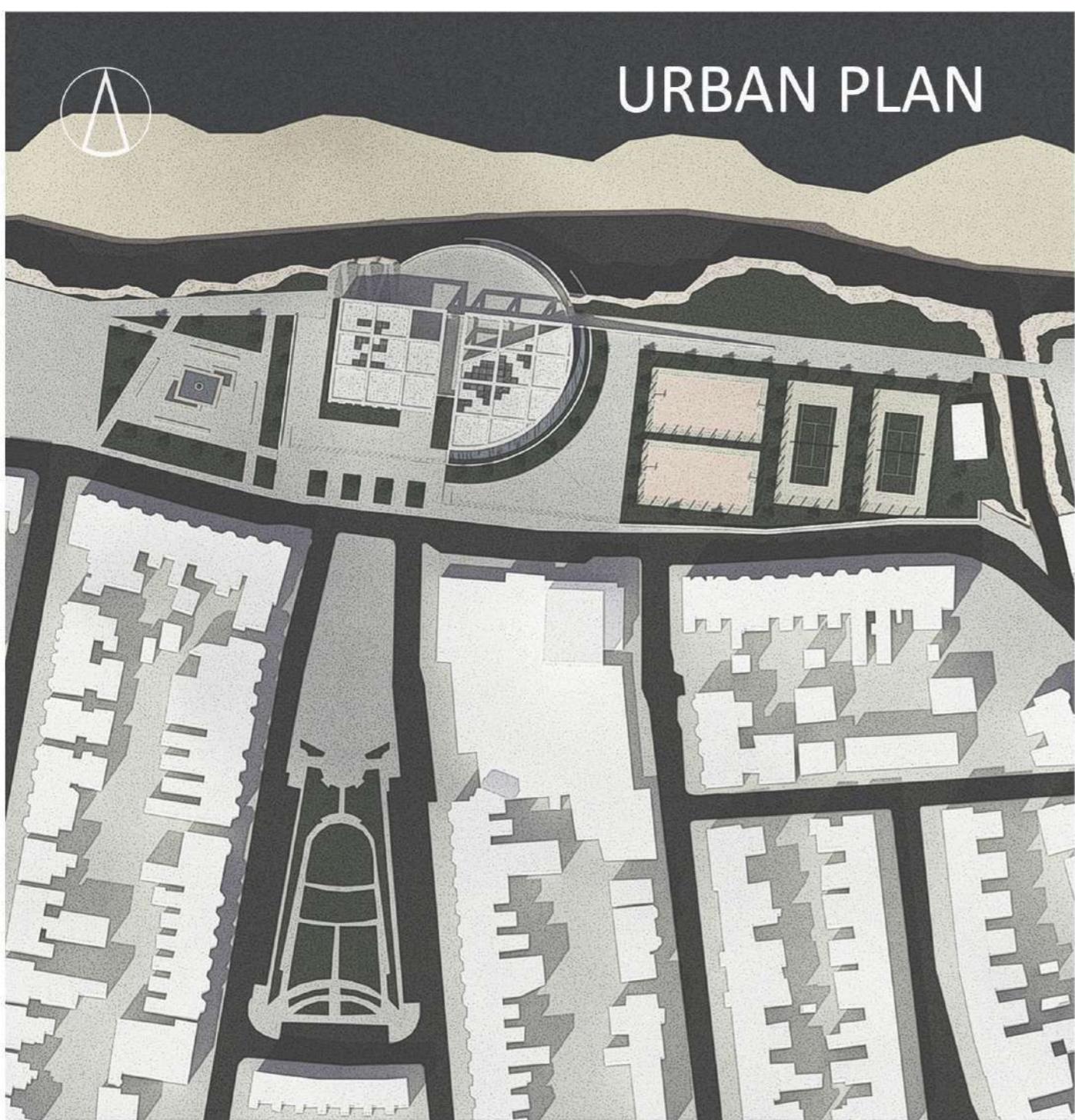


Cliff's Edge Circus School

The project's design is based on two intersected grids, one square, the other radial, derived from two simple geometric volumes, a cube and a cylinder, which define through intersection and extrusion the shape of the building. The construction can be divided into three parts as follows: public, educational (private school space) and semi-educational (semi-private, the performance and training area can be used for public events). Given the size of the building and the variety of spaces it accommodates, a main priority of the design was the optimization of the circulation flow, both inside the building and

on-site. For this to be achieved, all three parts of the building have at least one entrance, an internal circulation core and flow, these communicating with each other. Each of these spaces is accessed through exterior social areas, followed by interior social ones that represent the heart of the individual circulation cores. These have the purpose of stimulating communication and interaction, encouraging its users to develop strong relationships that generate trust, security and more efficient teamwork skills, characteristics that are vital for the proper function of a circus school community.

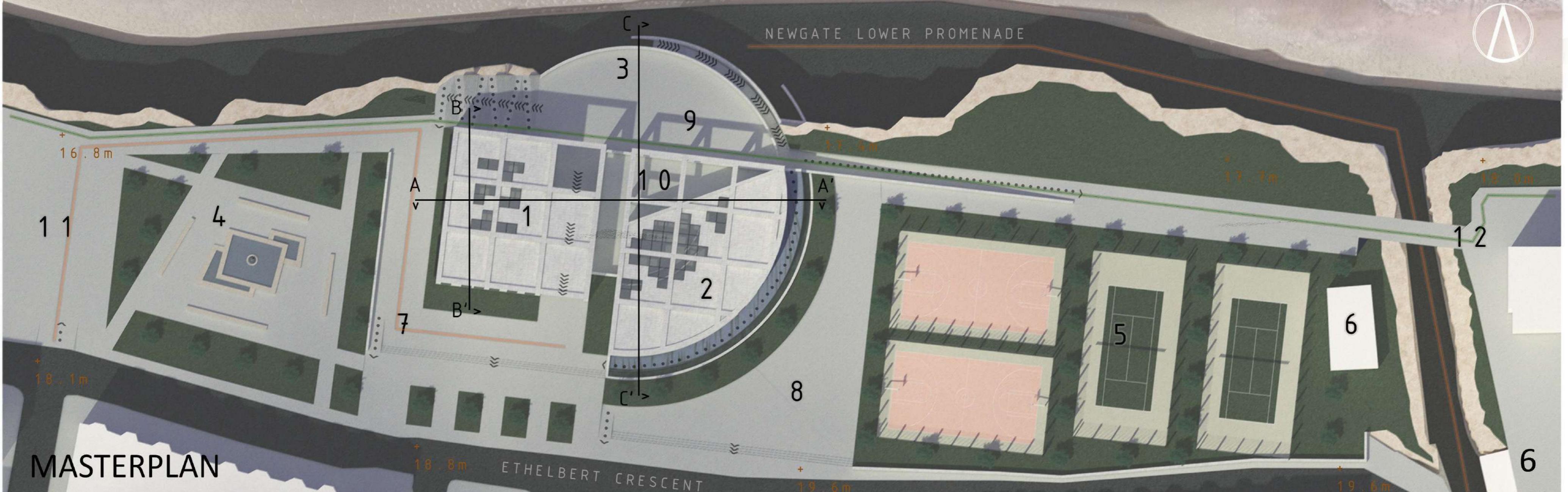
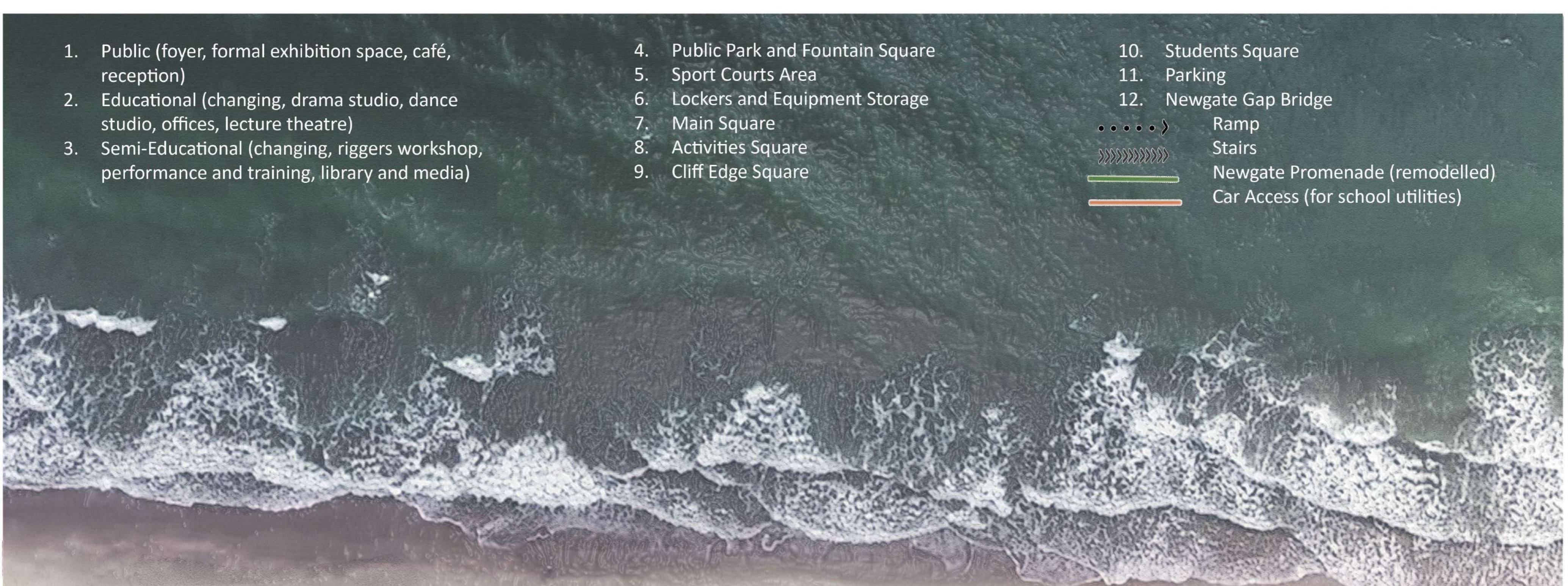
At the same time, all circulation cores and means of access, both interior and exterior, provide views into the activity areas such as studios, performance and training space and so on. The exterior ones have the purpose of connecting the local community with the circus school, while the interior ones support surveillance, motivation and communication between students and teachers, aiming to enhance a higher level of performance and effectiveness.

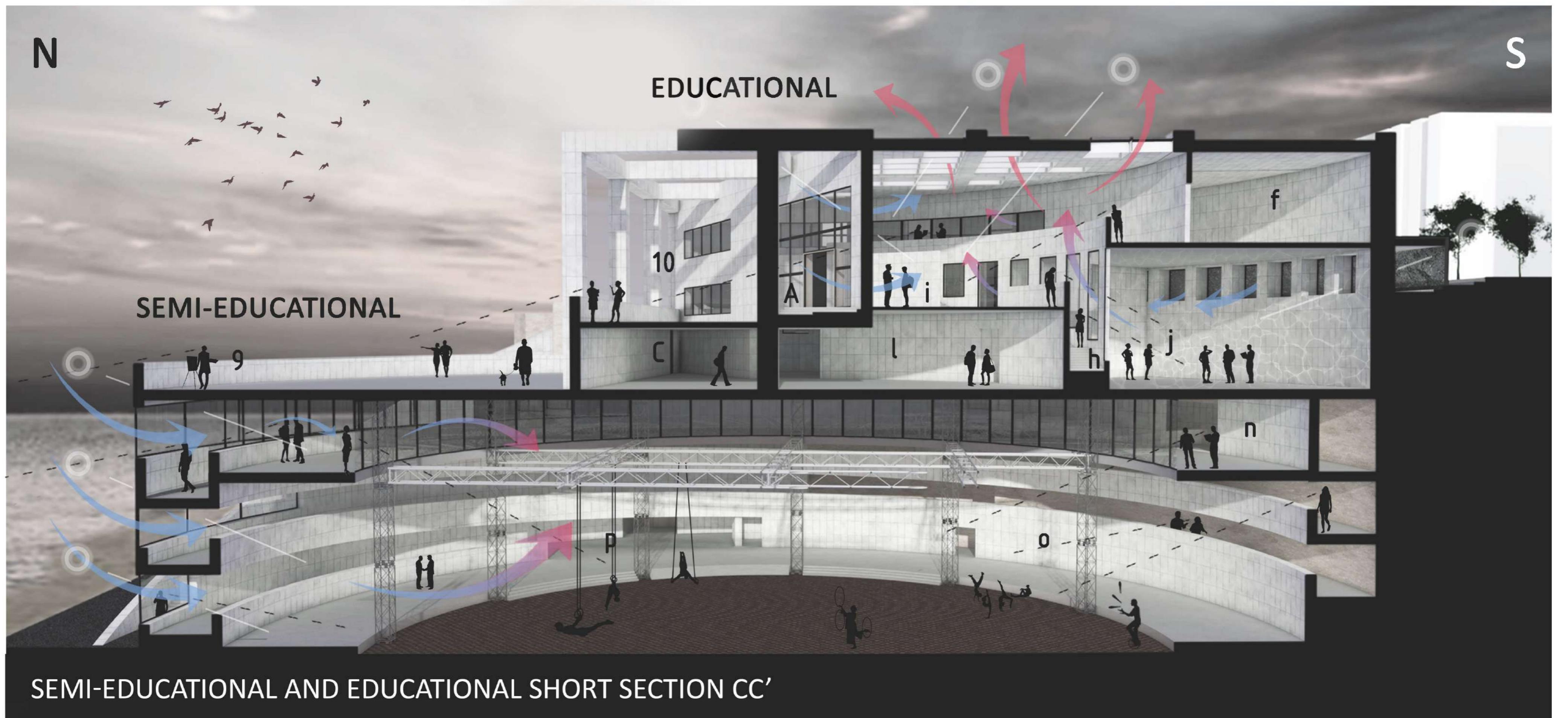
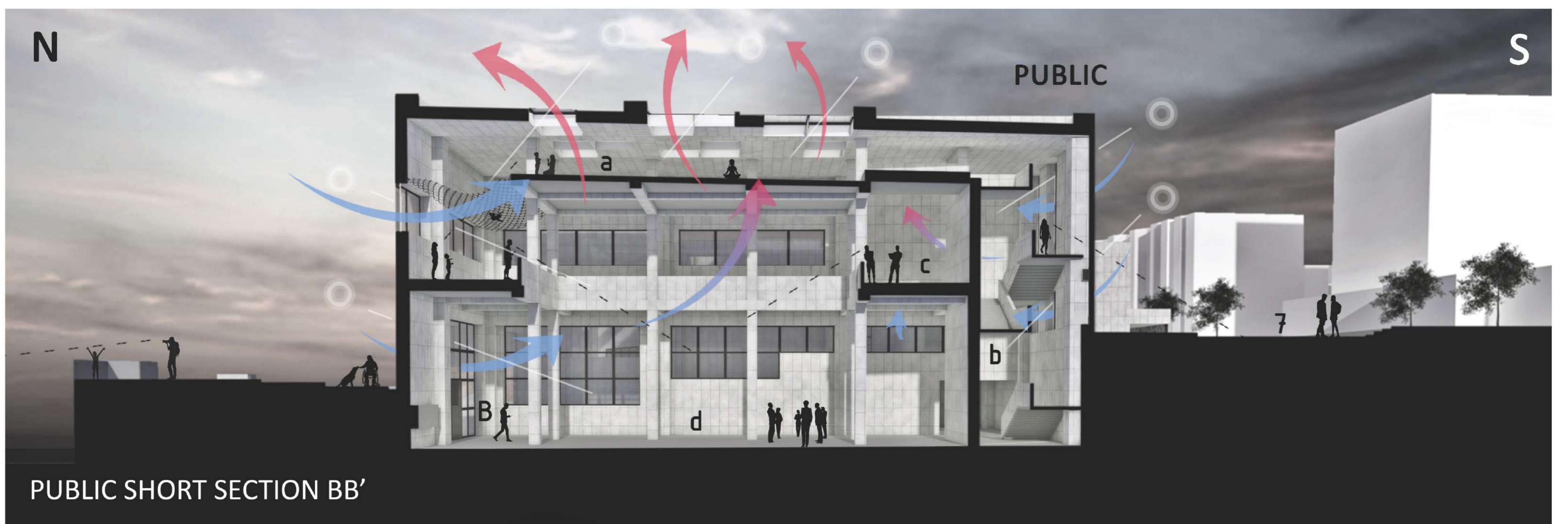


1. Public (foyer, formal exhibition space, café, reception)
2. Educational (changing, drama studio, dance studio, offices, lecture theatre)
3. Semi-Educational (changing, riggers workshop, performance and training, library and media)

4. Public Park and Fountain Square
5. Sport Courts Area
6. Lockers and Equipment Storage
7. Main Square
8. Activities Square
9. Cliff Edge Square

10. Students Square
 11. Parking
 12. Newgate Gap Bridge
- → Ramp
 ⚡ Stairs
 — Newgate Promenade (remodelled)
 — Car Access (for school utilities)



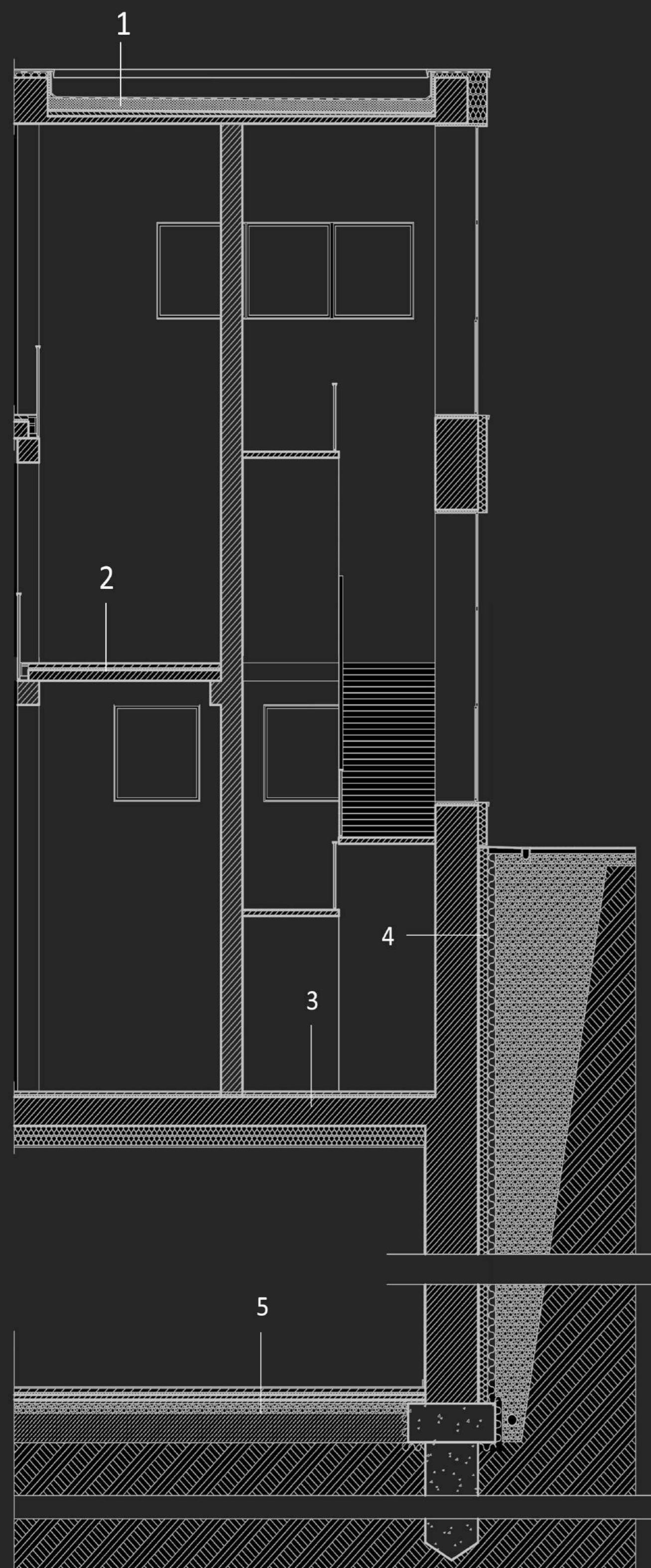


- a. Wildcard (interior fish-net playground)
- b. Public Circulation Core
- c. Formal Exhibition/Performance Space and Café
- d. Foyer and Reception
- e. Toilets
- f. Lecture Theatre

- g. Offices
- h. Educational Circulation Core
- i. Lobby/Social
- j. Drama Studio
- k. Dance Studio
- l. Changing

- m. Semi-Educational Circulation Core
- n. Library and Media
- o. Performance and Training Space
- p. Lobby/Social
- q. Riggers Workshop
- r. Changing

CONSTRUCTION DETAIL SECTION



1. Vapor Permeable Waterproofing thermal insulation 20 cm mineral wool
Vapor Barrier (heat-sealable membrane)
Diffusion layer (heat-sealable membrane)
Bitumen layer
Concrete on a minimum slope of 4 cm
Plate b.a. 15 cm
Paint Plaster
2. Finish Oak Parquet 2.5 cm
Fixing Adhesive
Self-leveling Screed, 6 cm plain concrete
Extruded Polystyrene 5 cm
Reinforced Concrete Slab 20 cm
3. + Reinforced Concrete Slab 60 cm
Thermal Insulation, mineral wool 10 cm
Finish, Plastering + Painting
4. Finishing
Adhesive
Plain Screed 8 cm
Polyethylene Protection foil
Thermal Insulation, extruded polystyrene
Concrete 10 cm
Waterproofing, 2 x bituminous membrane
Screed, Plain Concrete 4 cm
Polyethylene Protection Foil
Capillary Rupture Layer, gravel
Ballasting/Filling Soil 60 cm
Natural Soil
5. Elevated Reinforced Concrete, 100 cm
Heat-sealable Membrane, 2 coats
Bitumen Primer
Thermal Insulation, mineral wool, 10 cm
Tefond Foil