

Siglap South Community Centre

Public Infrastructure

Role: Architectural Designer



Siglap South Community Centre

12,000 sqm, Singapore,
proposed 2023

Role: Architectural Designer
Studio: Edmund Ng Architects

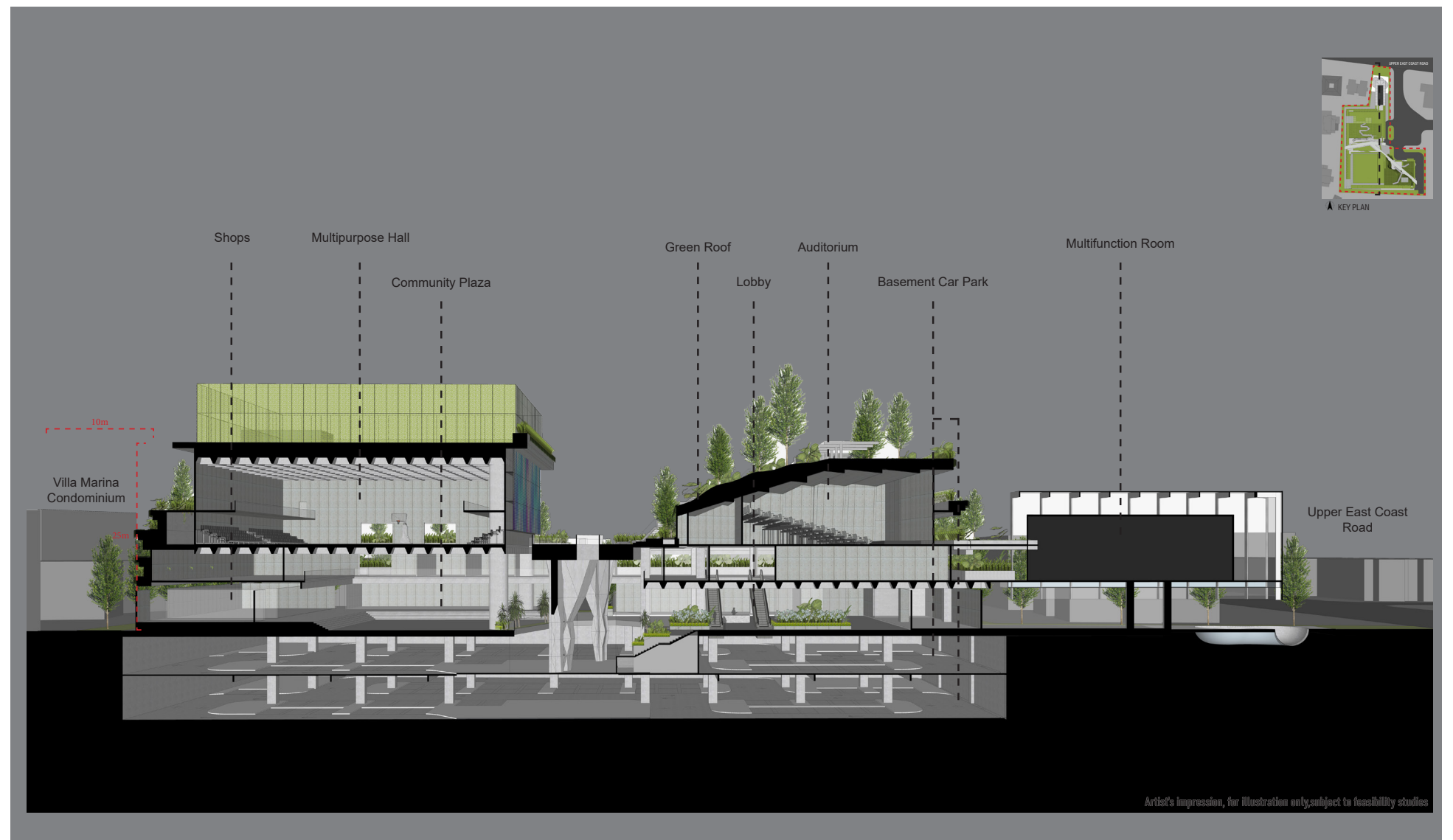
This winning pitch presented a transformative conceptual scheme for a new suburban community centre, replacing an existing, undersized facility located 500 meters away. The site is an L-shaped plot with a narrow frontage to the main road. It is currently an open air carpark with a lush 2500sqm green field at the rear surrounded by a mix of residential and commercial properties.

Integrating the requirements for basement carpark, multiple sporting and health facilities, flexible workshop spaces, F&B and retail plots to a fixed development GFA, the team maximised utility and proposed new programme like an outdoor cinema, rooftop tennis court, terraced community gardens, rock-climbing walls and covered walkways with social and study nooks by utilising the exterior faces of the complex.

Designed as a “non-building,” the overall form is a terraced green mass, spliced through with a main circulation spine to connect the surrounding neighbourhood to the complex. Secondary circulation hugs the periphery of the building as naturally ventilated green corridors to reduce heat gain and reduce cooling load. As the street frontage is extremely narrow, a large cantilevered glass facade showcases the activity and events within, acting as a giant billboard for the centre. Below, a skate park activates the space at the streetfront. The rear and sides of the complex is heavily planted and sculpted to reduce the scale to the nearby residential areas and replace the green views of the existing field.

My role in this project started with brainstorming on the programme, designing the main circulation route, overall massing and space planning.

Postscript:
This project was presented to the local MP and Minister for Culture, Community and Youth and shared with the local community in 2023, and the wider public in [2024](#).



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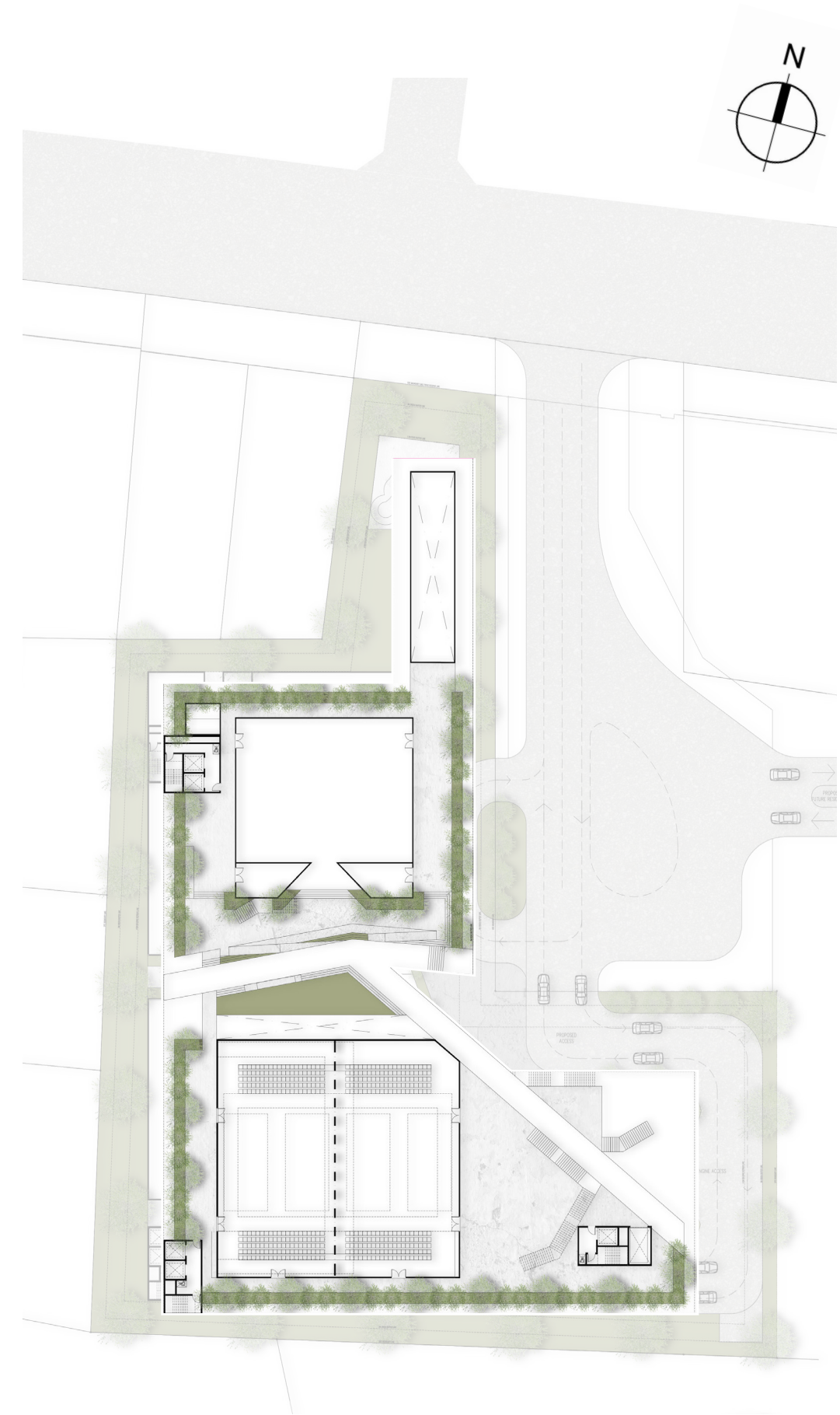
PROJECT INSIGHT:

While the project brief did not require any green building strategies, the site's circumstances directly shaped the architecture's core concept and strategic direction. As the site is the only area with lush greenery along the main road through the neighbourhood, it felt like a real loss to the community for the mature trees to be removed for the project.

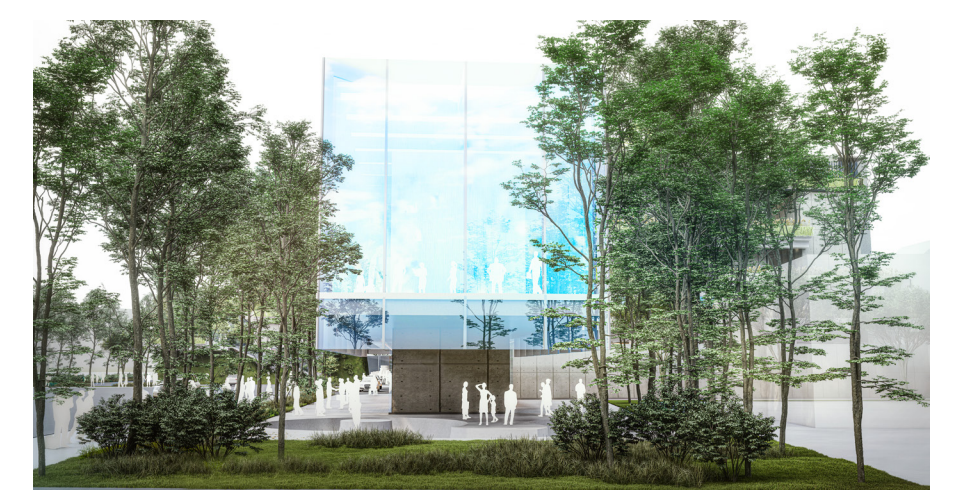
Empathising with the local residents who have loved overlooking the trees and field for years, I proposed to replace their existing green vista with another: by sloping and terracing the building to be sympathetic in scale and to introduce integrated planting with the architecture. Utilizing the terraced and planted areas as naturally ventilated corridors provided a sustainable design solution, directly influencing the space arrangement and building form.

Description (clockwise from left):

1. Schematic layout plan of the second floor showing integrated planting at the Western and Southern facades.
2. Location plan shows proximity of the neighbouring residential properties along the Western and Southern boundary impacted by the new development
3. The existing site is a shady carpark with many mature trees that will need to be removed for the development.
4. The new streetfront will be tree-lined with verdant ground landscaping in front of a cantilevered shelter as an inviting respite from the tropical sun



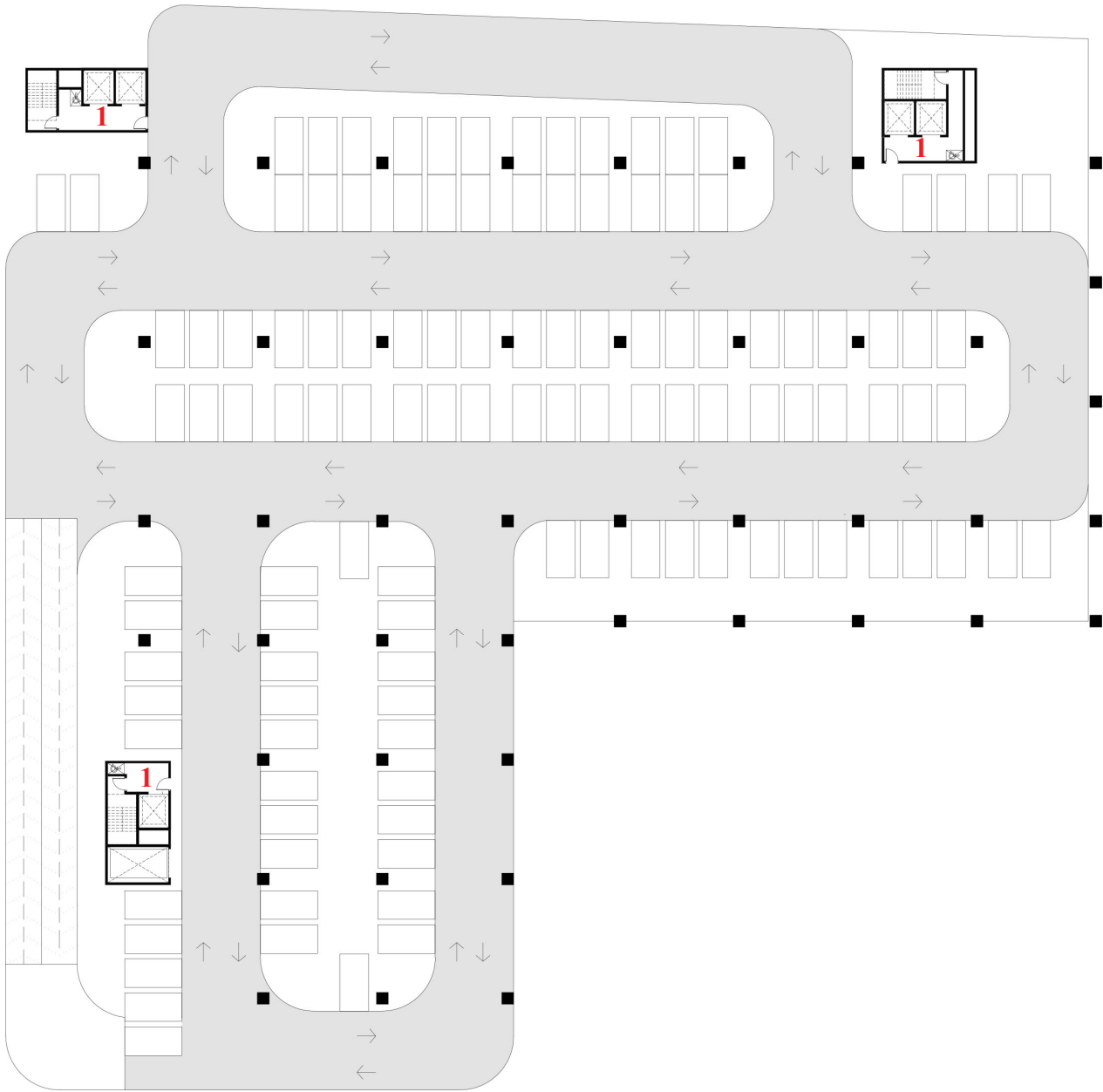
Schematic Layout Plan
Second Floor



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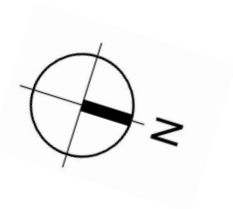
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Proposed CC Facilities

1. Lift Lobby: 176.82 m²

Number of car parks: 118

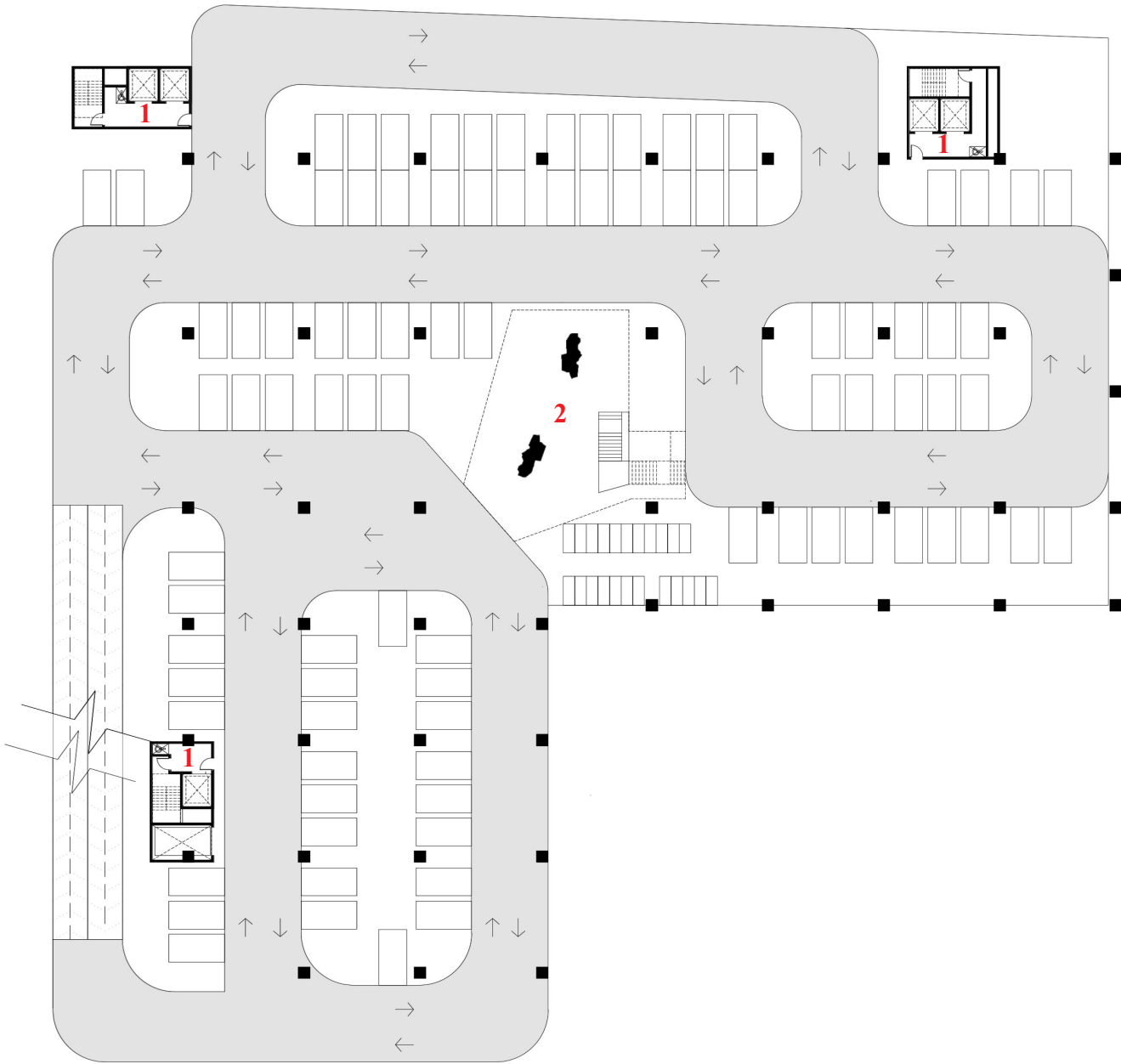


Schematic Layout Plan
Lower Basement

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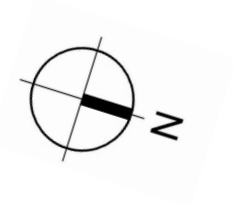
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Proposed CC Facilities

- 1. Lift Lobby: 76.82 m²
- 2. Rock climbing wall

Number of car parks: 87
Number motorcycle park: 23



Schematic Layout Plan
Basement

Role: Architectural Designer
Studio: Edmund Ng Architects

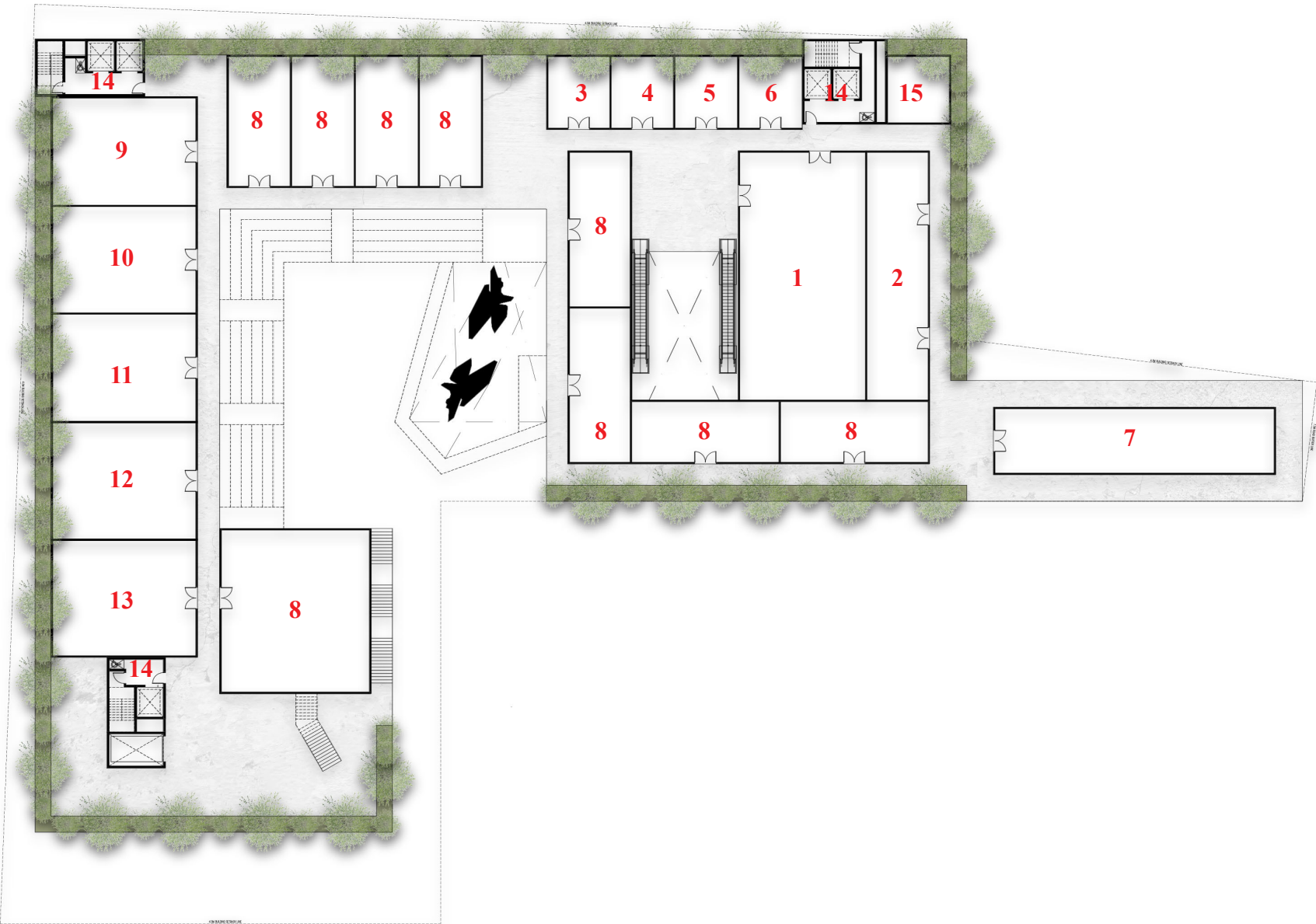
Total area : 4482.45m²



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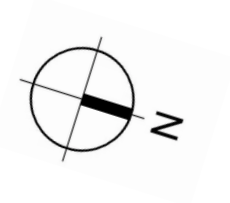
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Proposed CC Facilities

- 1. CO Office : 280.75m²
- 2. Conference Room : 139.40m²
- 3. Seminar Room 1 : 42m²
- 4. Seminar Room 2 : 42m²
- 5. Seminar Room 3 : 42m²
- 6. Seminar Room 4 : 42m²
- 7. Multifunction Room : 167.65m²
- 8. Commercial : 863m²
- 9. Dance Studio 1 : 139.70m²
- 10. Dance Studio 2 : 139.70m²
- 11. Dance Studio 3 : 139.70m²
- 12. Culinary Studio : 151.60m²
- 13. Music Room : 151.60m²
- 14. Lift Lobby : 176.82m²
- 15. Washroom : 38.73m²
- 16. Circulation : 1404.00m²

Total area : 3960.65m²

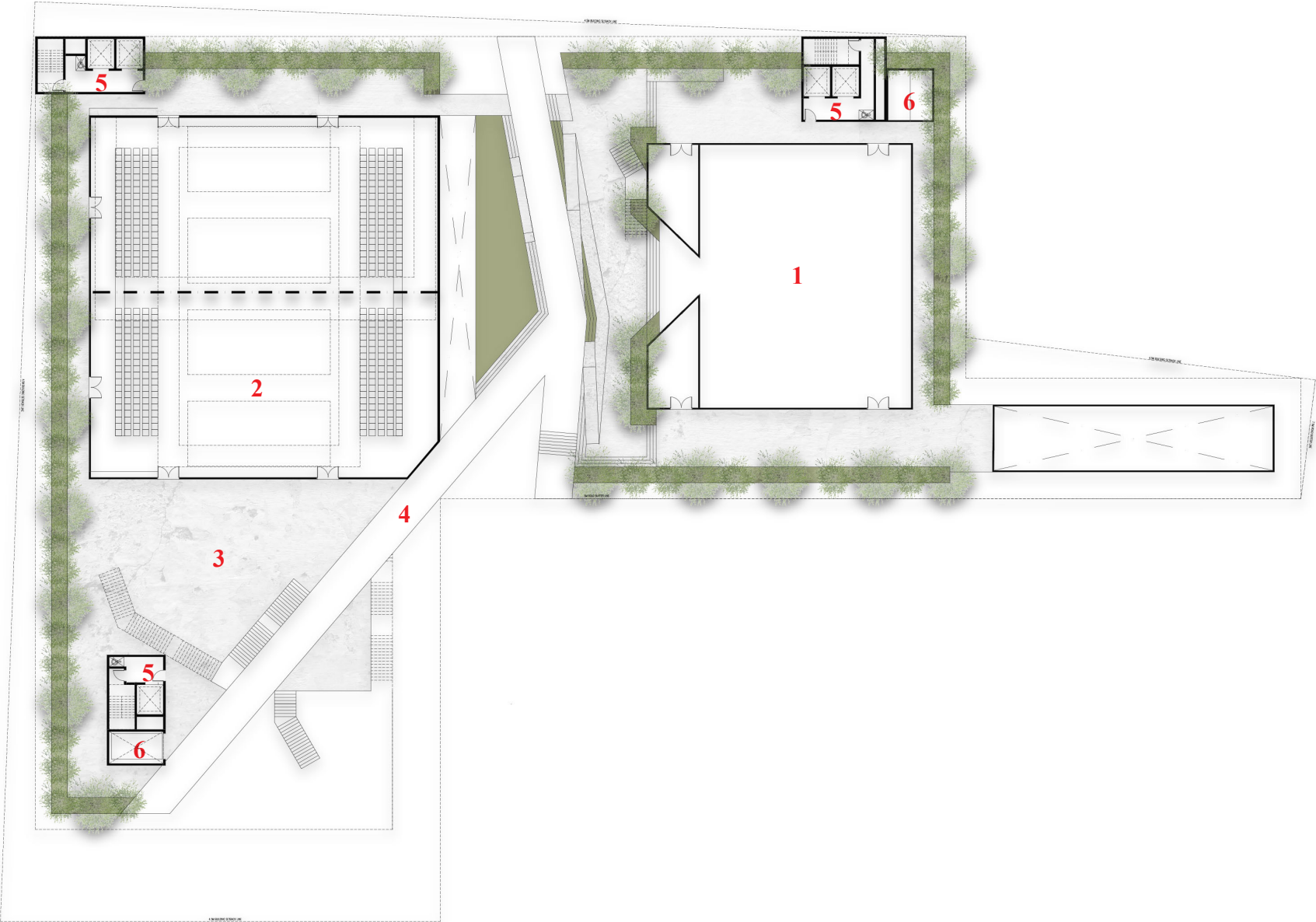


Schematic Layout Plan
First Floor

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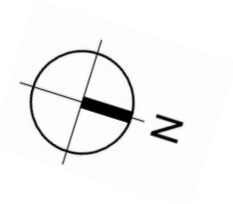
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Proposed CC Facilities

- 1. Black Box Theatre : 625m²
- 2. Multipurpose Hall : 1121.60m²
- 3. Pre-Function Area : 377m²
- 4. Sky Bridge : 743.55m²
- 5. Lift Lobby : 176.82m²
- 6. Washroom : 38.73m²
- 7. Circulation : 350.37m²

Total area : 3133.07m²



Schematic Layout Plan
Second Floor