

ARCH7043: Architectural Practice: Design

AVALON AFFORDABLE HOUSING

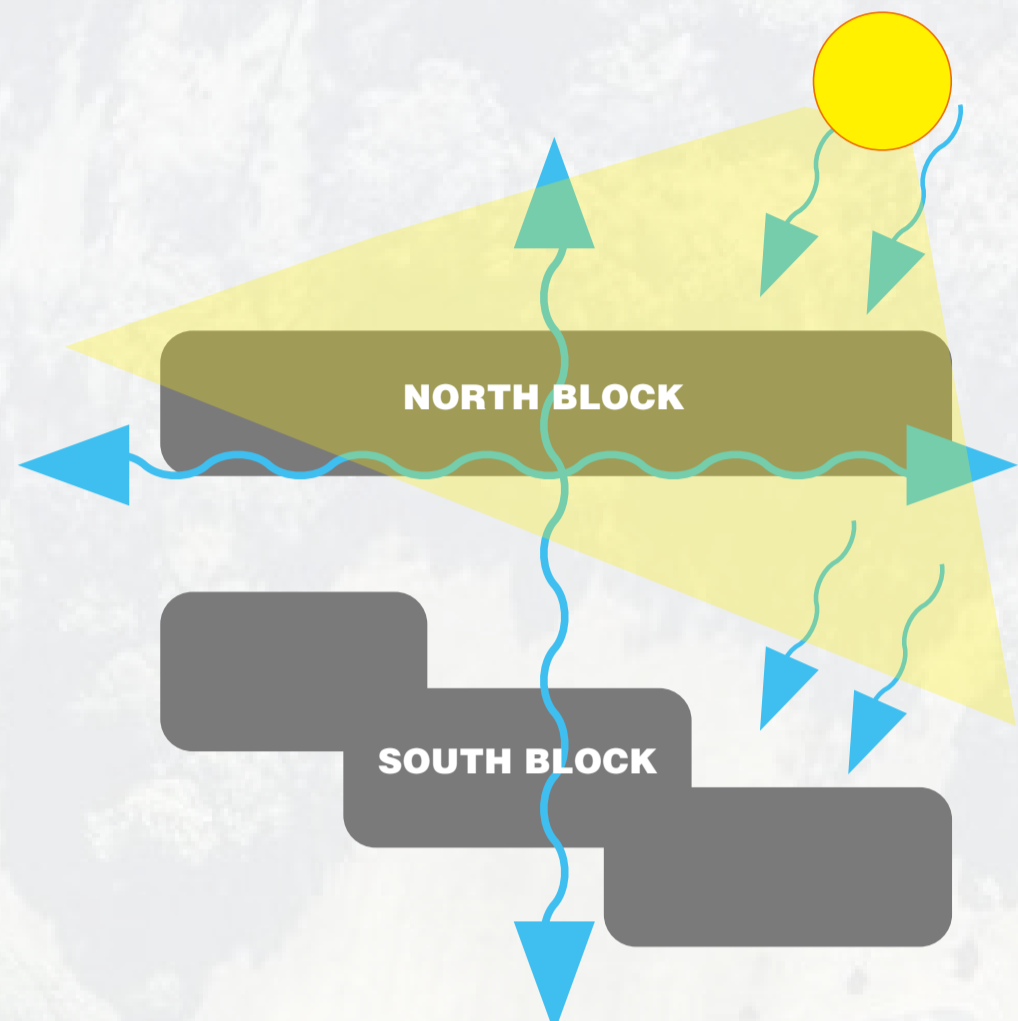
Yuxin Mou S4774496

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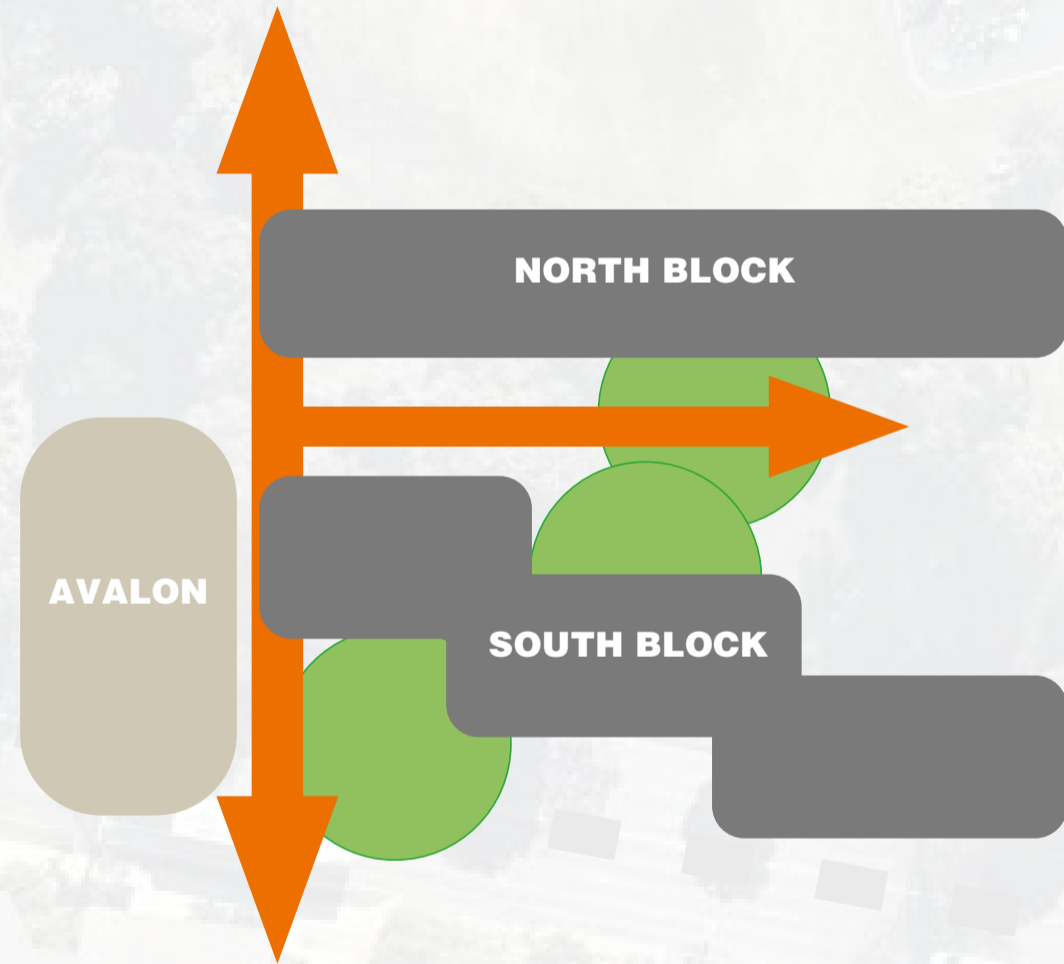


BUILDING ON COUNTRY STRATEGIES



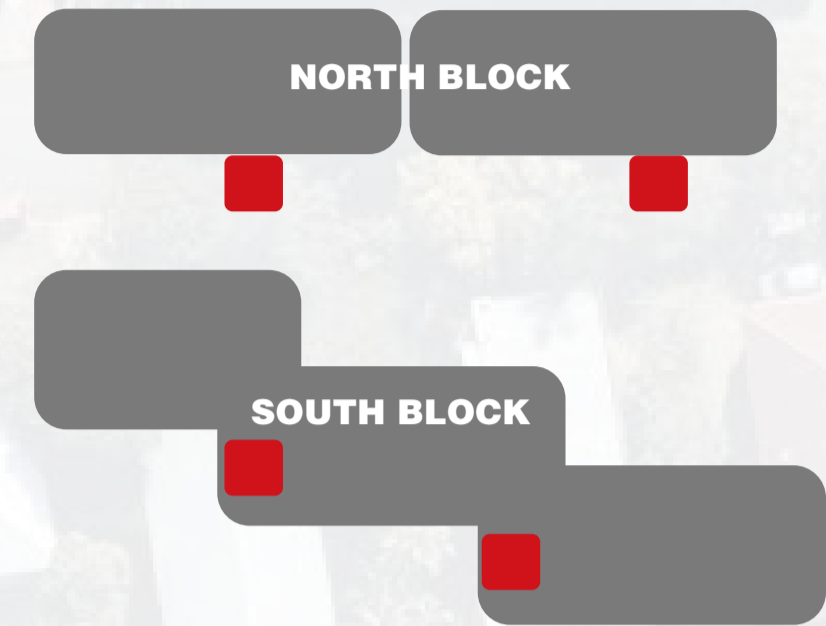
Climatic design

Passive design strategies maximise the use of natural sunlight and breezes to increase comfort and reduce environmental impact. Design includes features that enhance cross-ventilation



Cultural Trail

Use signage on connecting paths to provide historical context and information along the way, collaborate with local artists to create art installations and sculptures that pay homage to the history and cultural narrative of the Avalon Theatre.



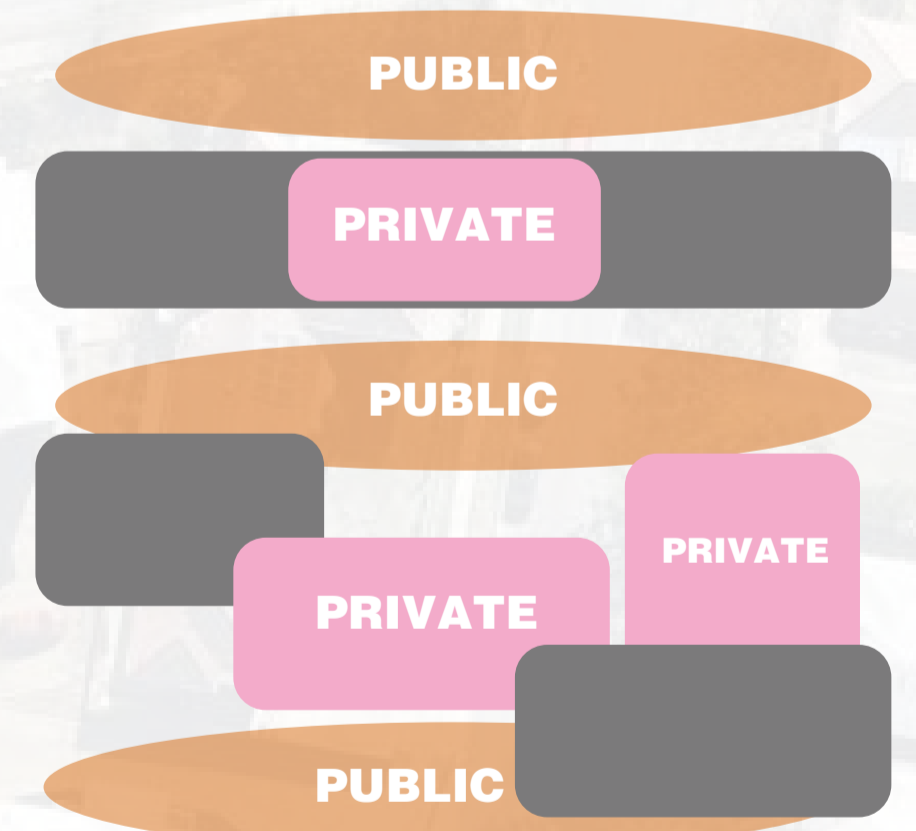
Modular Design

Use the same modular design to minimize construction difficulty and cost, and have unique advantages in building applicability and sustainability.



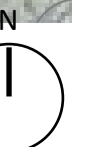
Land and Plant

To align the development's land use plan with the pre-development plan, minimise damage to topography and soils, and conserve existing plants to promote ecological and cultural sustainability.



Gathering Areas

The project will create a new gathering area seamlessly connected to the Avalon Theatre, which will serve as a hub for community interaction and cultural activities, leveraging the theatre's historical significance to create a vibrant public atmosphere.



SITE BOUNDARY

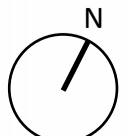
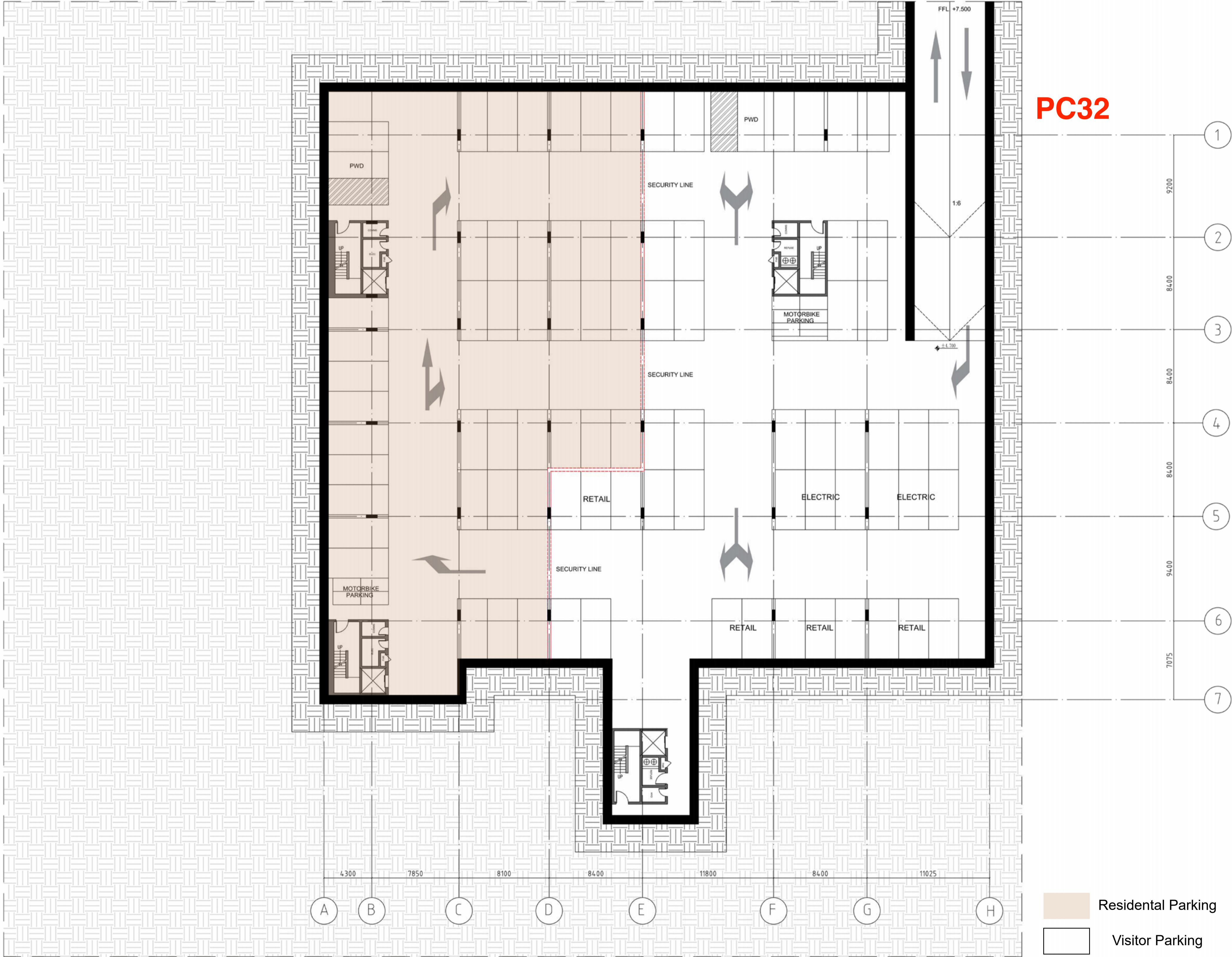
CARPARK SPACES

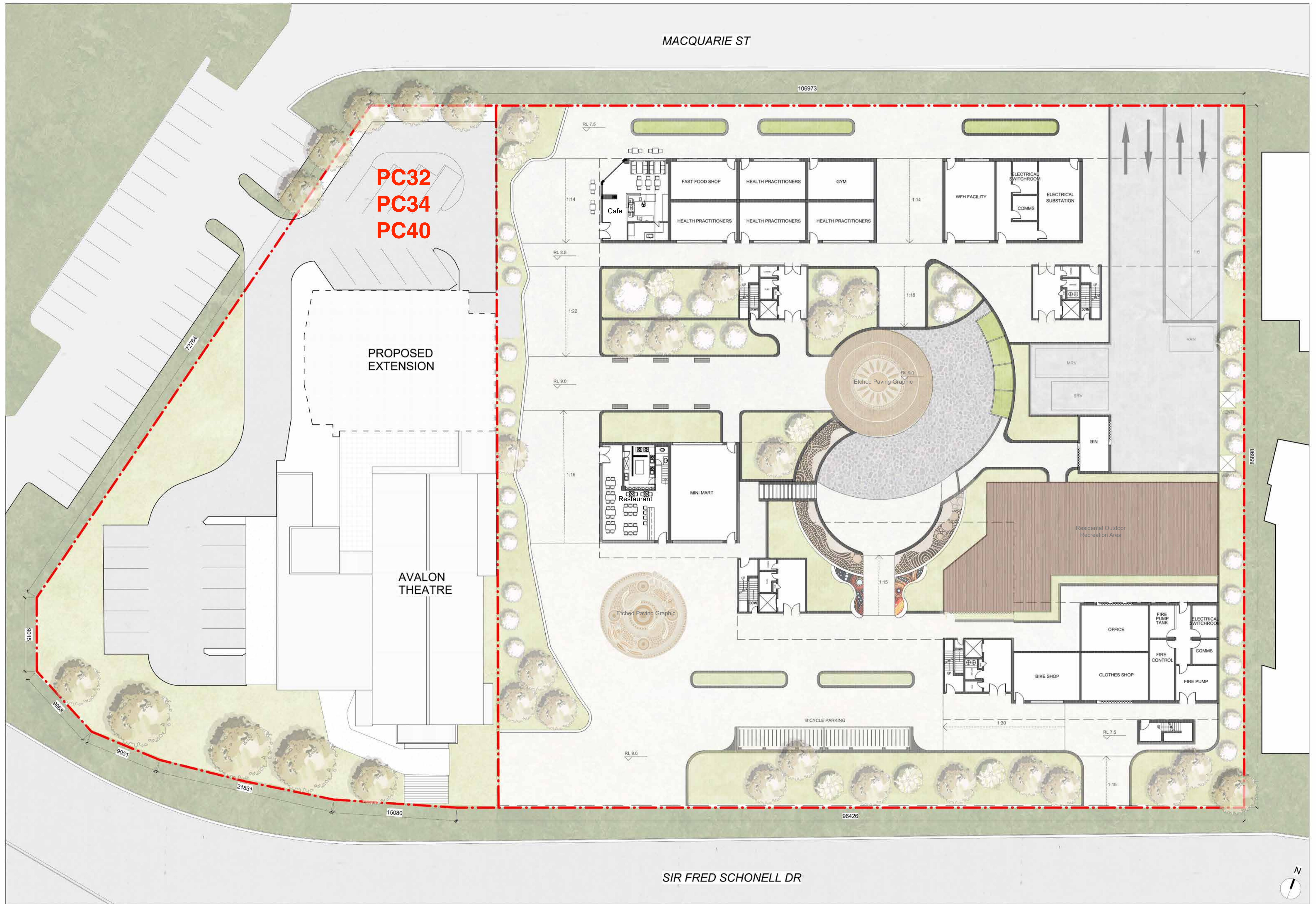
BASEMENT LEVEL
TOTAL CAR SPACES: 85

RESIDENTIAL: 40
VISITOR: 25
ELECTRIC: 6
PWD: 2
RETAIL: 12

MOTORCYCLE: 10

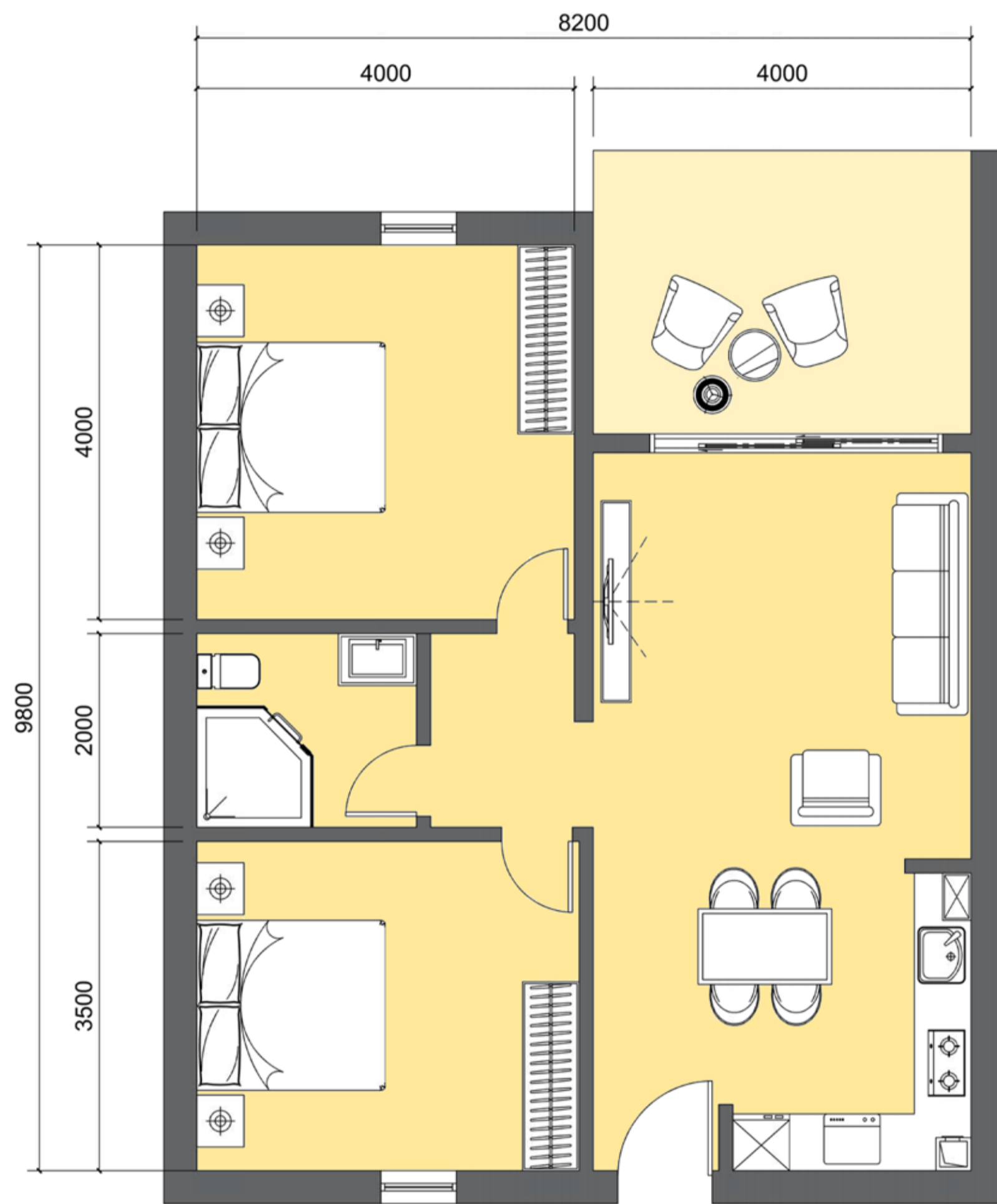
GROUND LEVEL
SERVICE VEHICLE: 3
BIKE: 40



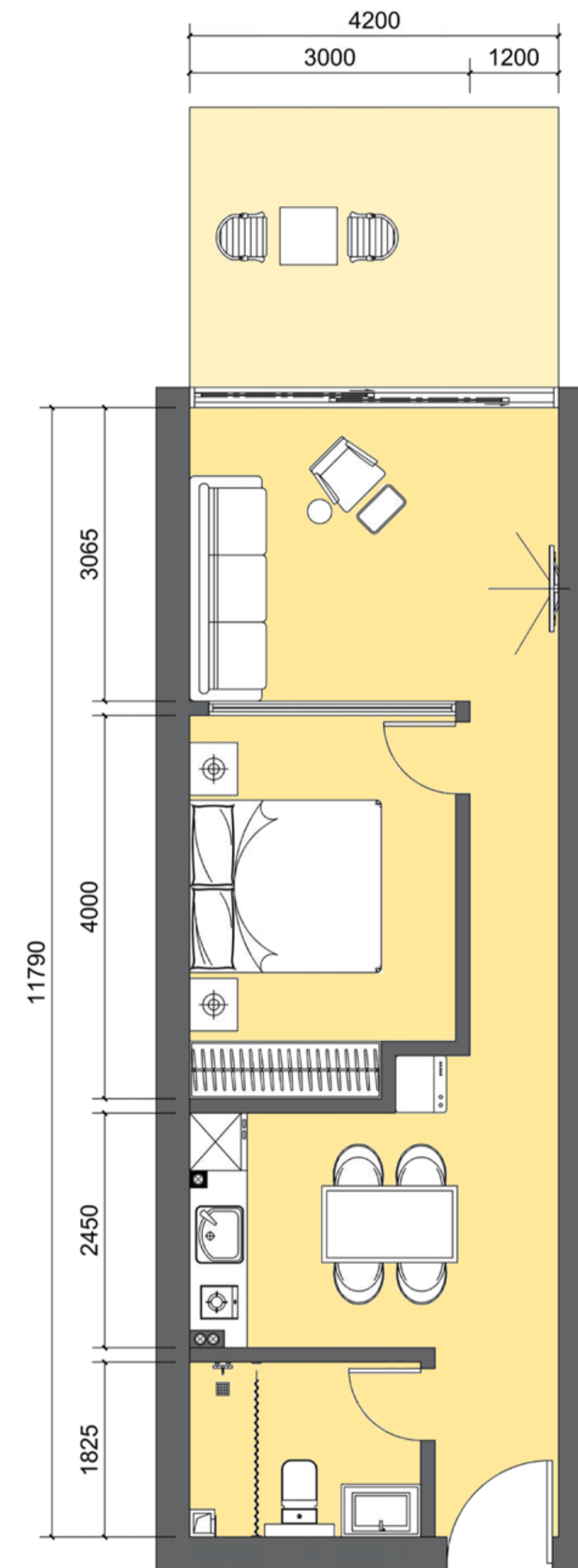




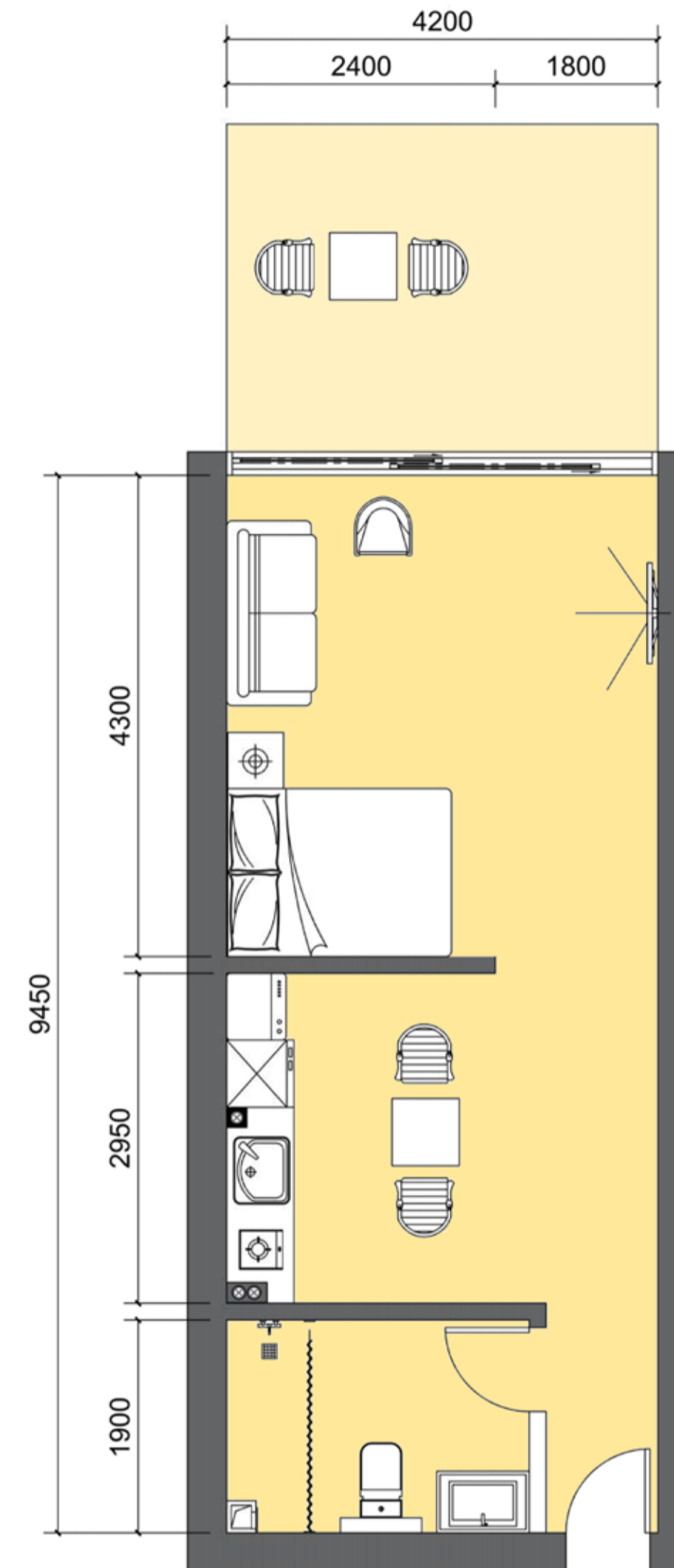
PC40



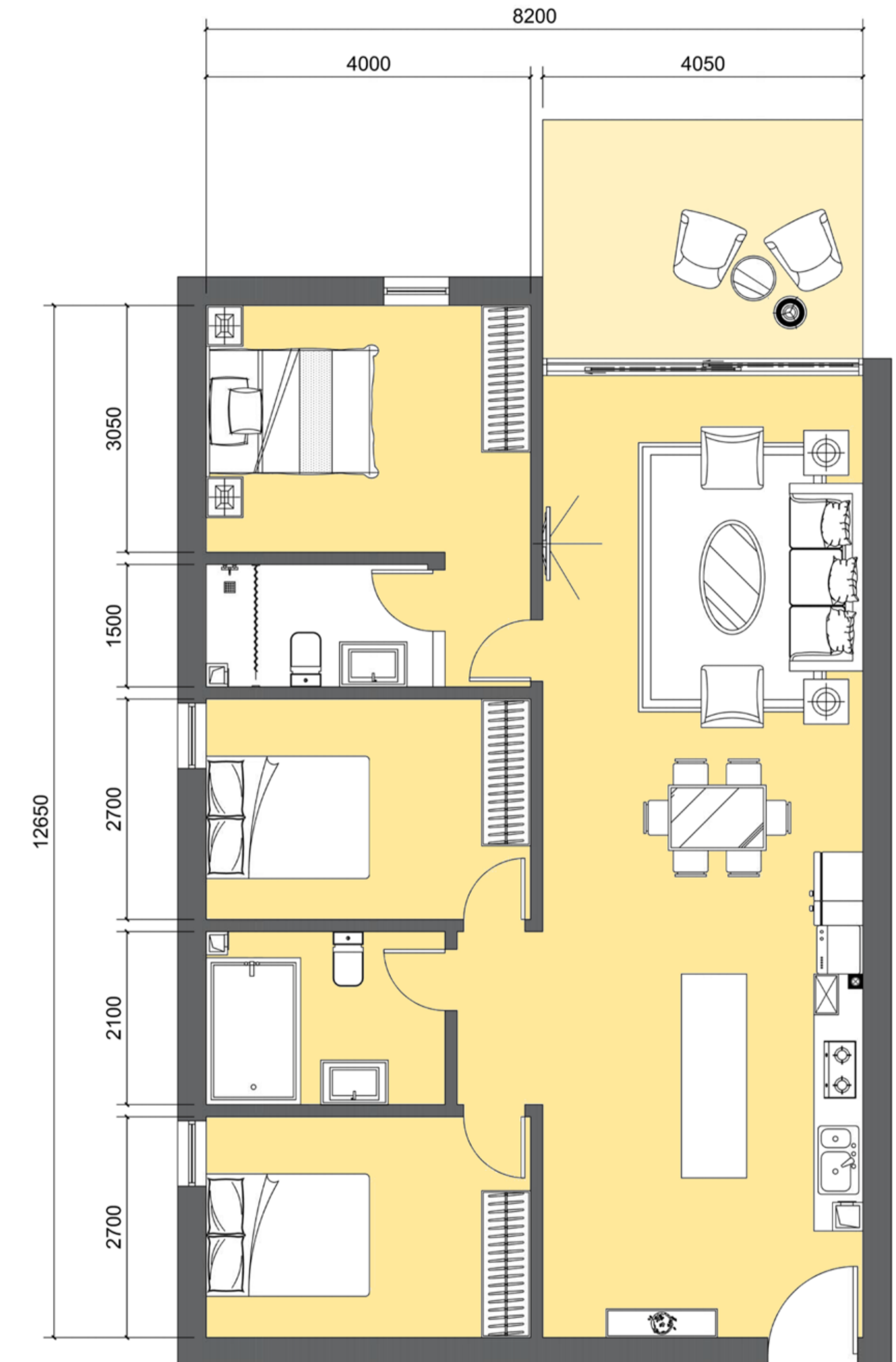
2 BEDROOM APARTMENT
32 Rooms 72m²+12m²



1 BEDROOM APARTMENT
44 Rooms 50m²+12m²



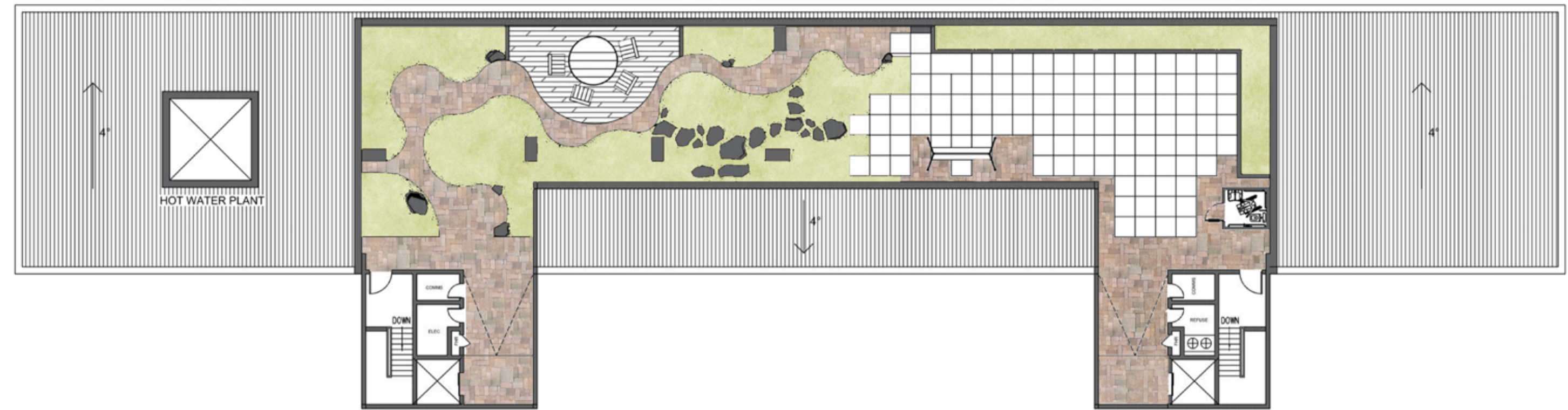
STUDIO APARTMENT
12 Rooms 36m²+10m²



3 BEDROOM APARTMENT
8 Rooms 94m²+14m²

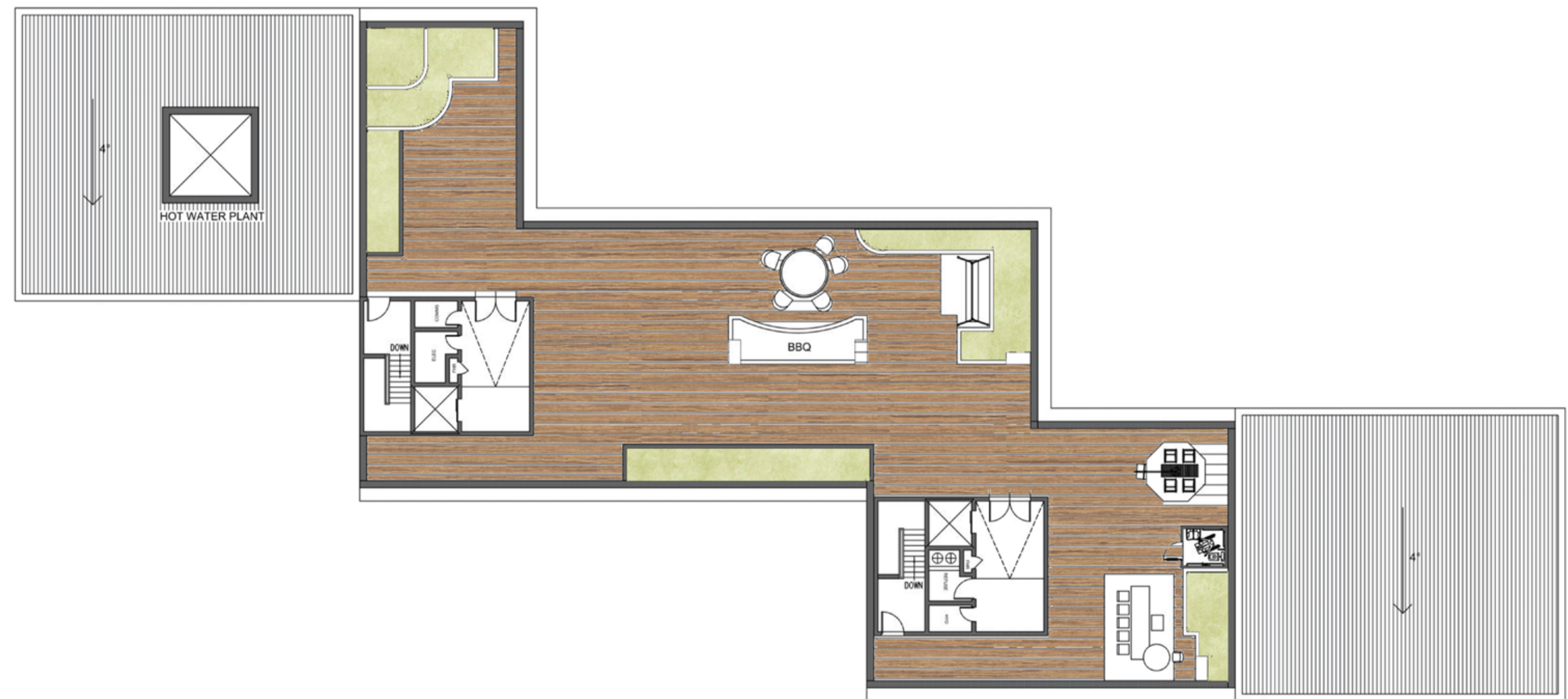
MACQUARIE ST

106973



PROPOSED EXTENSION

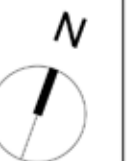
AVALON THEATRE



85988

96426

SIR FRED SCHONELL DR



9015

9958

9051

21831

15080

PC18



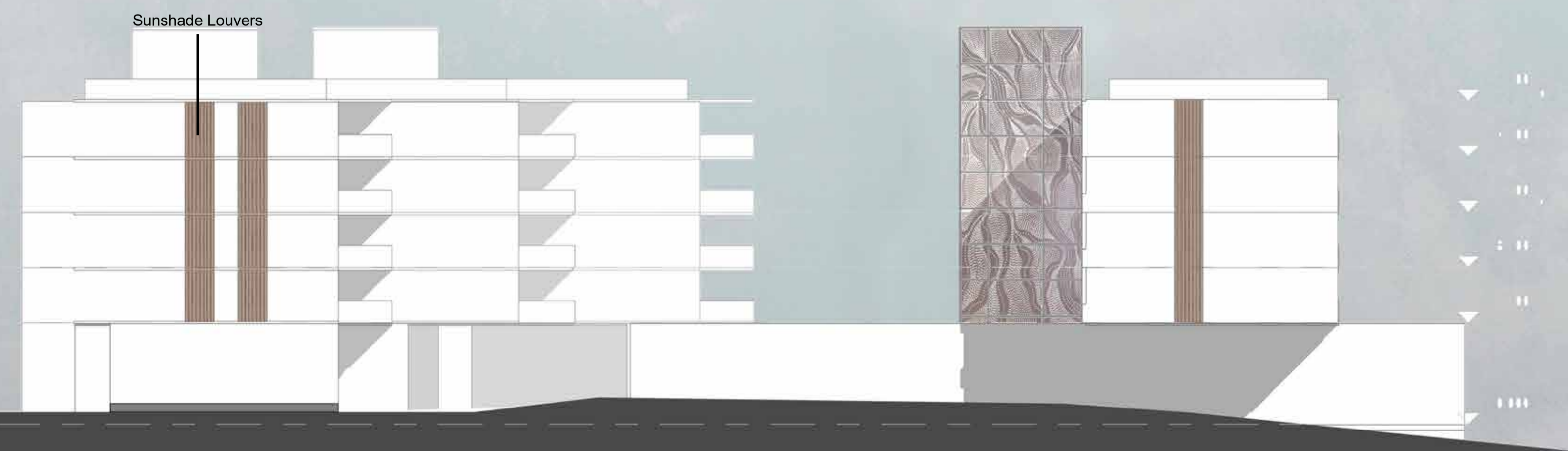
South Elevation



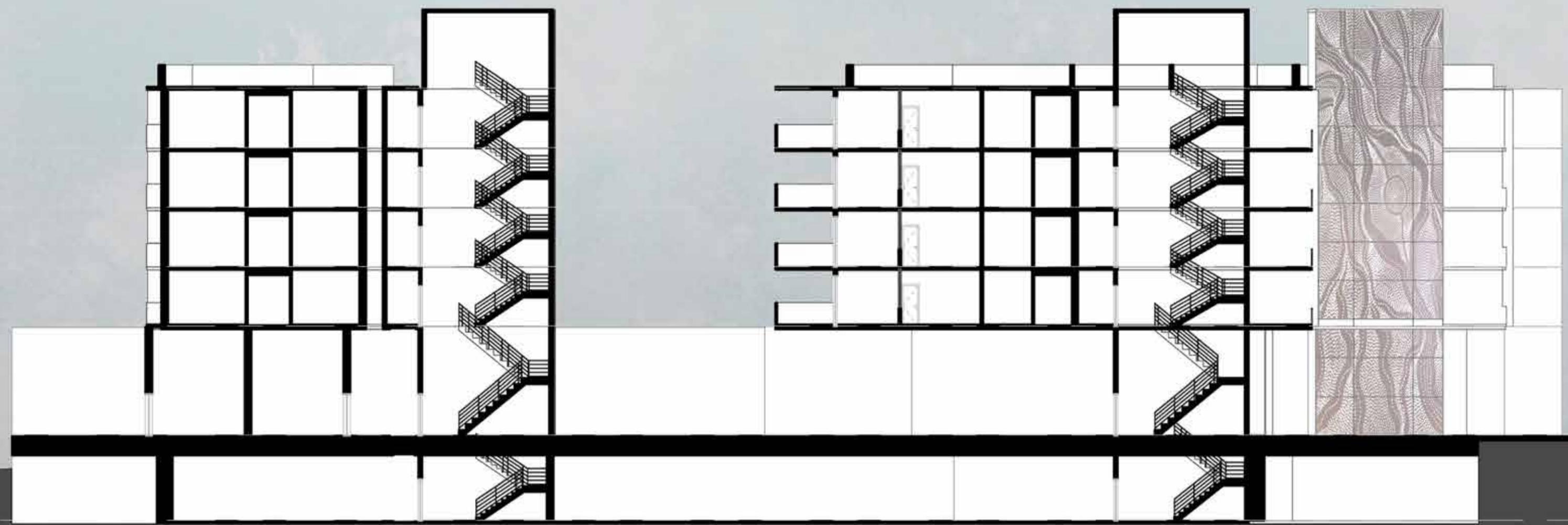
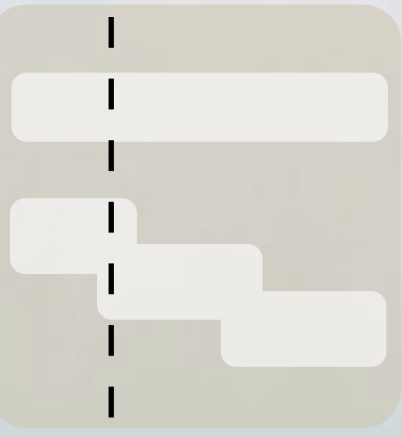
West Elevation



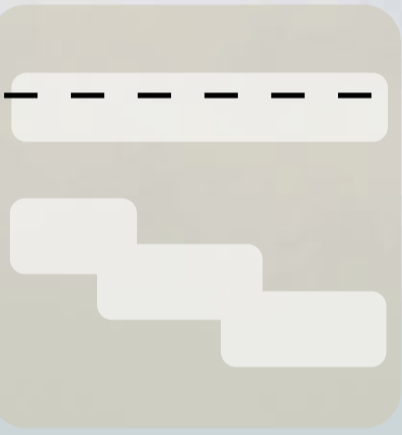
North Elevation



East Elevation



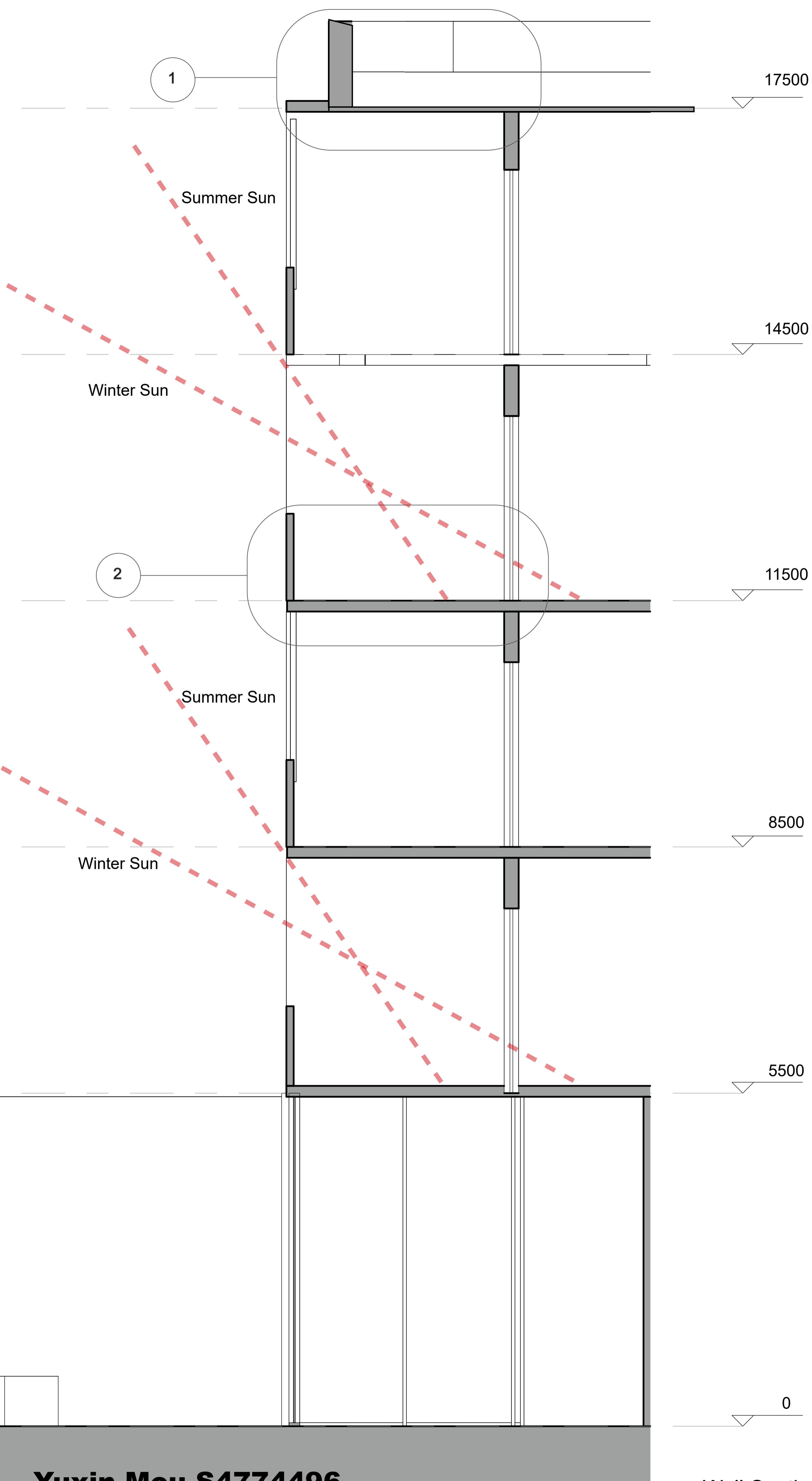
Short Section



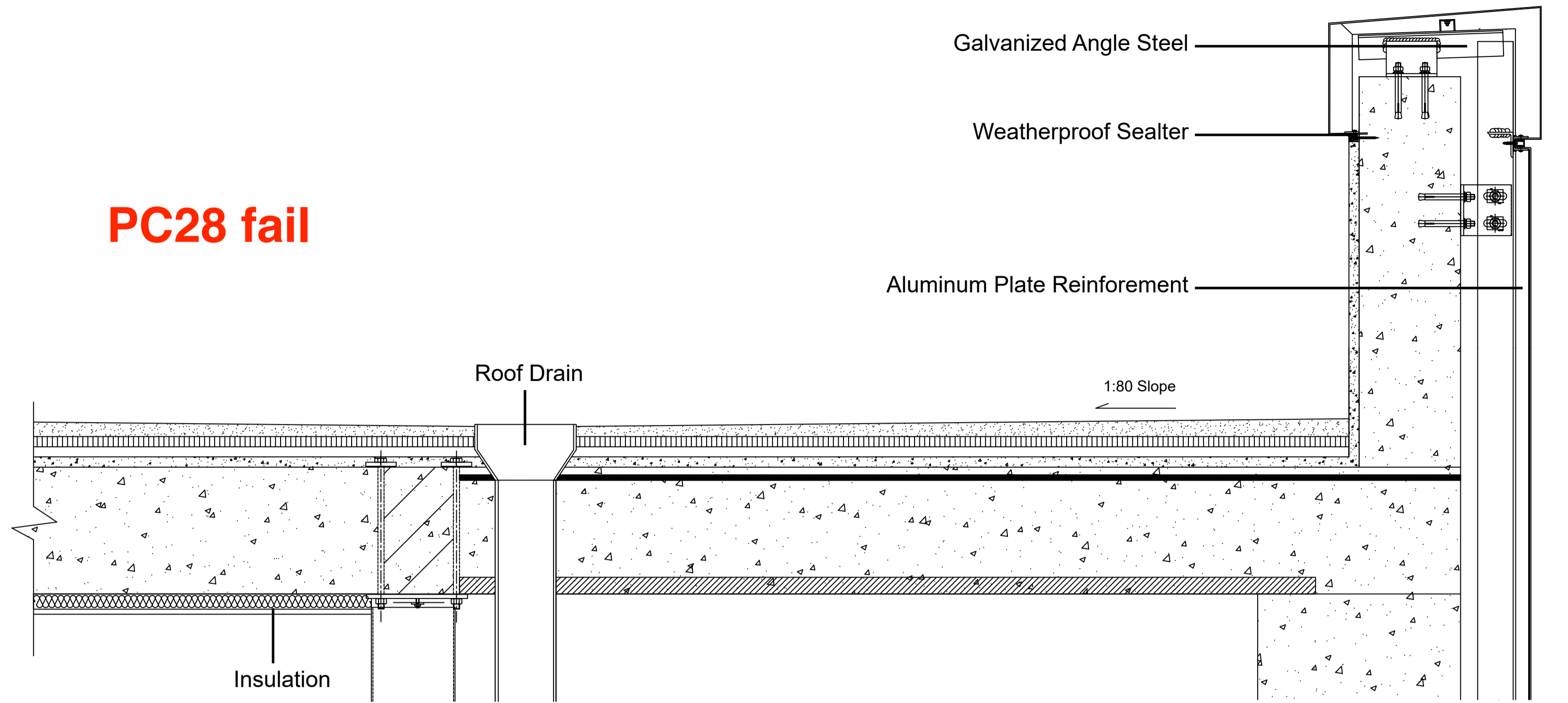
Void Corridor



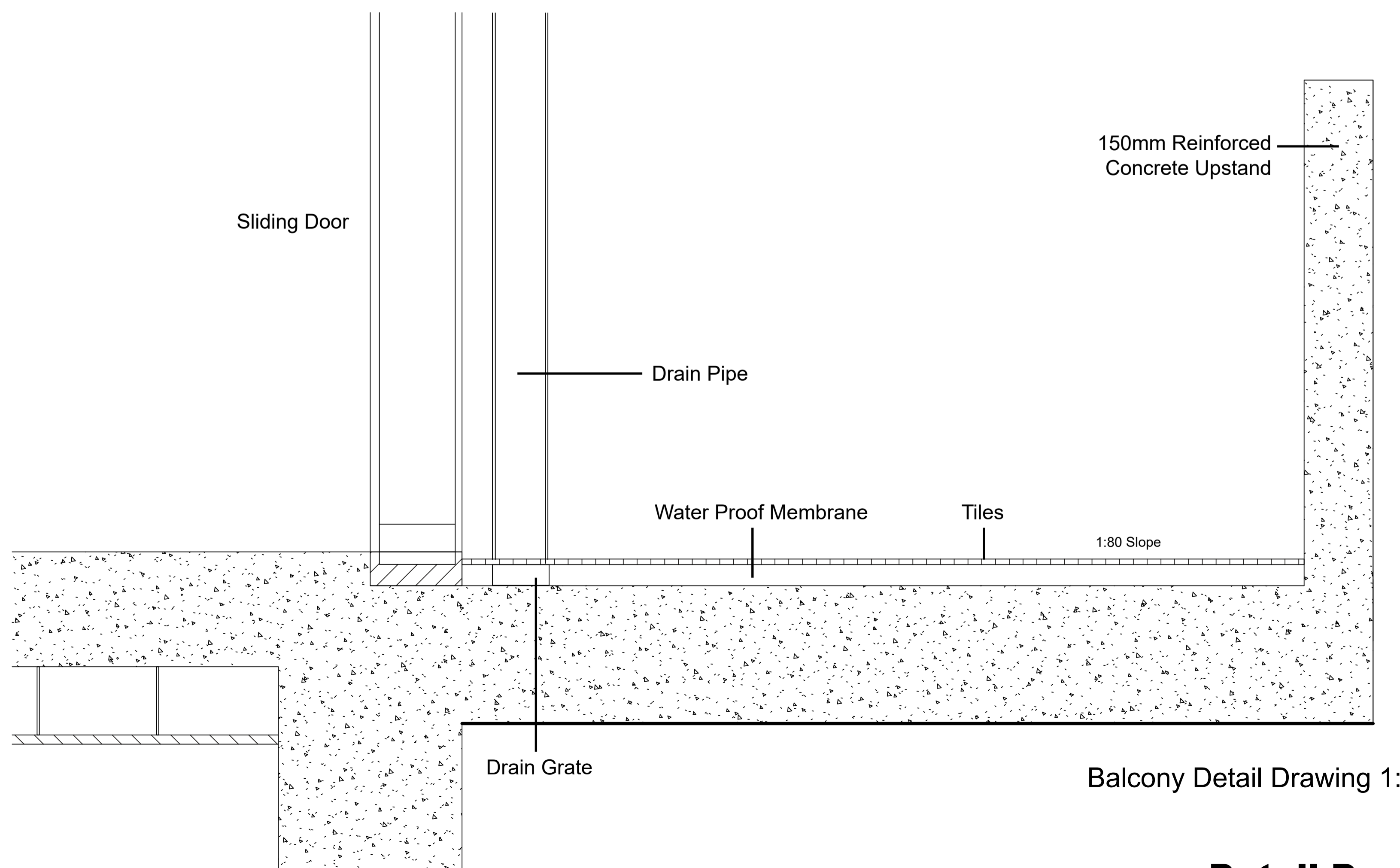
Long Section



Wall Section 1:50



Roof Edge Detail Drawing 1:10



Balcony Detail Drawing 1:10

