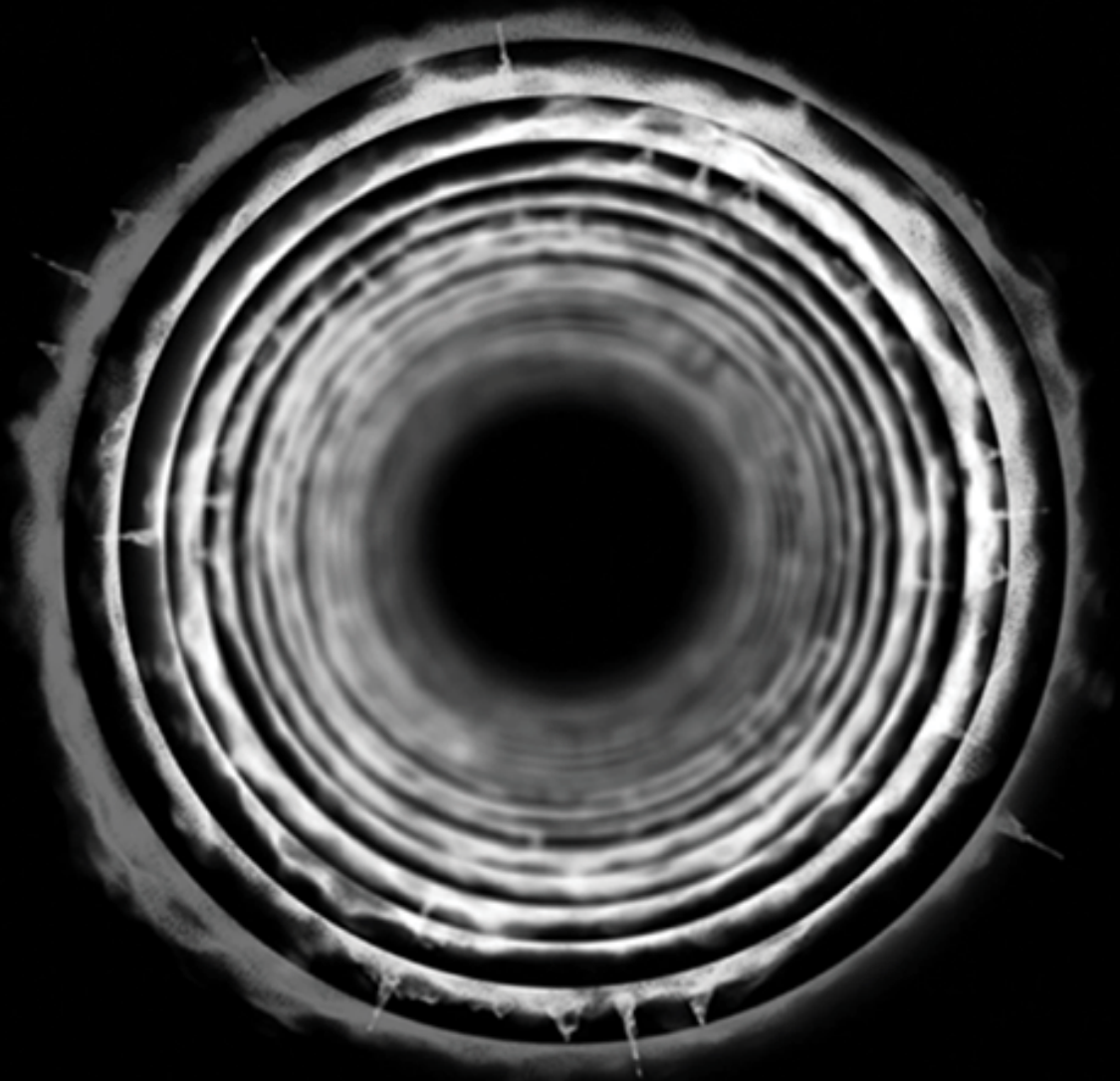


PORTFOLIO



JOEY
Z H U

2023

PROFILE



name. Joey Zhu
address. 35 Arncliffe St, Wollie Creek, NSW
email. joey.zhu.syd@gmail.com
tel. +61 0424373048

EDUCATION

Master of Architecture. 2022-2023
The University of Sydney

Bachelor of Design in Architecture. 2019-2021
The University of Sydney

Diploma of International Business. 2014-2017
Jiangsu Vocational Institute of Commerce (China)

LANGUAGES

English, Chinese

CONTENTS

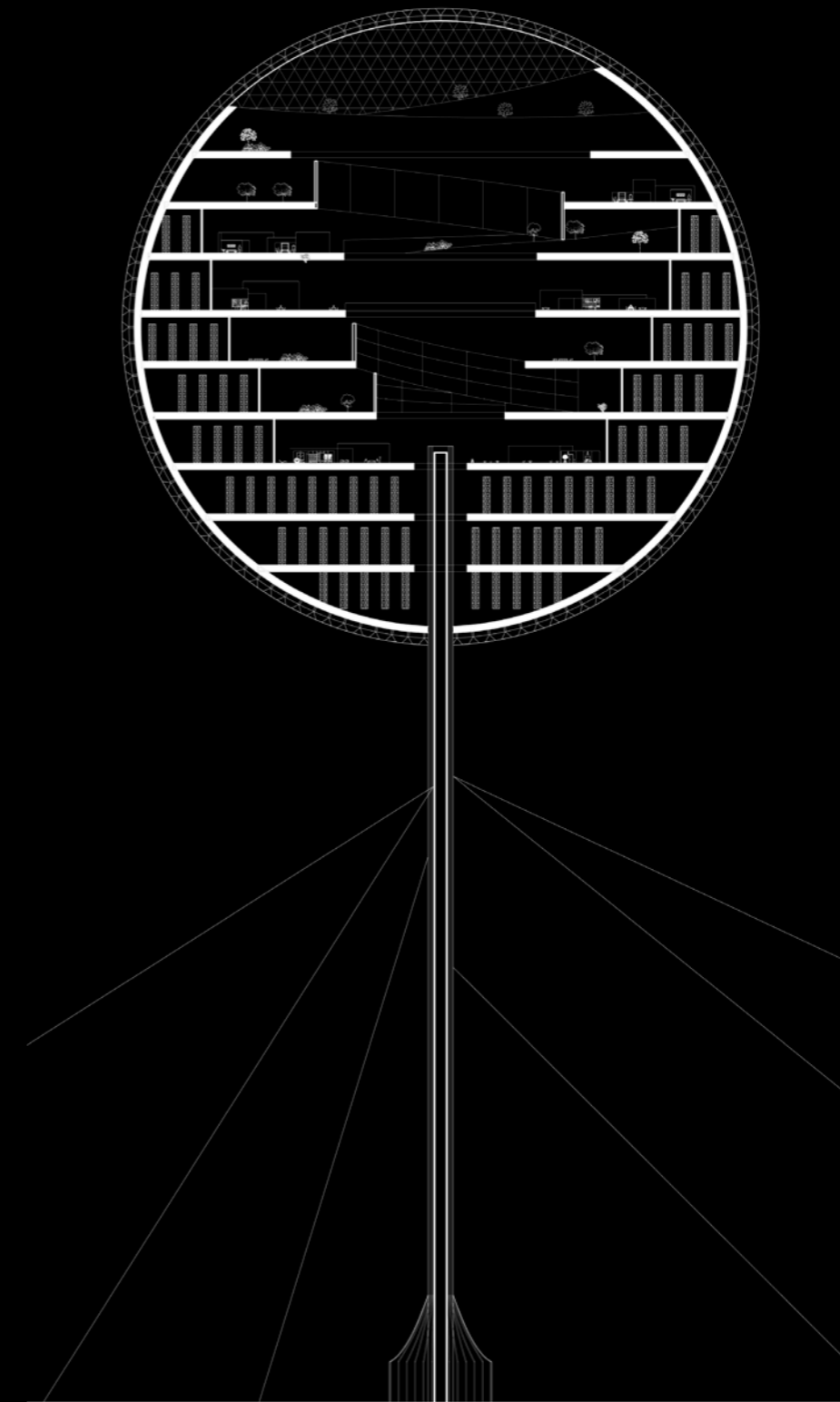
The "Eye" Porject	4
The Nightingale House	12
The Watch	16
Stewart House	22
J-WAC Studio	26
1 Tawa Street	34



THE “EYE” PROJECT

Unveiling the Panopticon of
Big Data

The Internet in modern society shares many similarities in transmission methods with the key player of the last industrial revolution—electricity. This liberation from the physical limitations of electronic devices has not only allowed for technological advancements but has also extended possibilities that permeate into everyone’s daily life. This project further delves into the transformative impact of the information technology revolution, akin to the industrial revolution of the past. However, the way it extracts information from our daily lives is drastically different, and this situation often goes unnoticed. Through various practices involving data mining via different smartphone permissions and how major tech companies utilize this data to help their partners target and influence individuals, the study sheds light on the potentially alarming effects. The portrayal of unlimited technological advancement in movies and TV series such as “The Matrix” and “Westworld” presents a frightening prophecy of a backlash on humanity caused by the misuse of superpowers created by humans, ultimately breaking free from human control and overtaking the entire society. Regardless of the past, present, and the impending future, architecture will remain intricately linked with various forms of superpowers, becoming an accomplice in maintaining dominance.



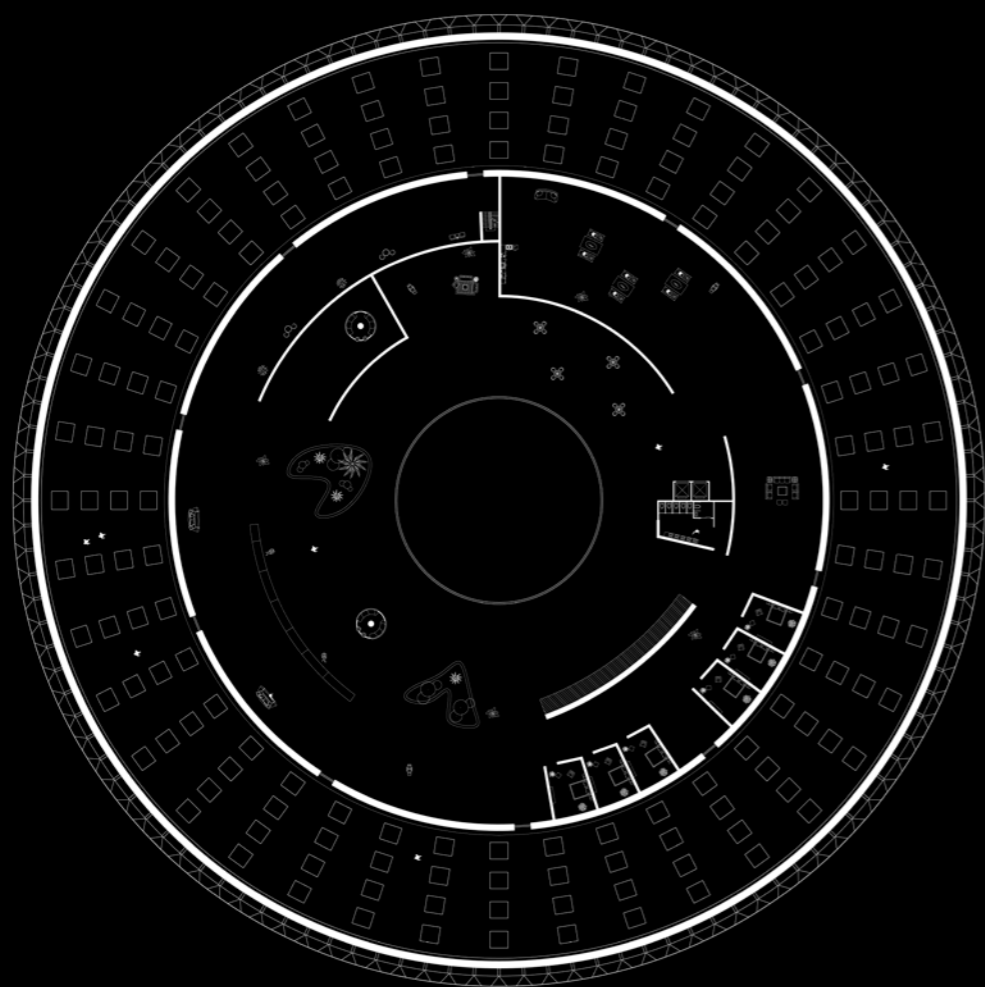
The Revolution of the Sphere

A distinctive structure that can appear anywhere, it embodies technology and progress, deeply captivating people. However, it is also a colossal machine continuously processing data for tech companies. It functions as a factory, utilizing new technologies to harvest people's intellectual resources. Moreover, it stands as a symbol of power, proclaiming its dominion in the realm of data to the surrounding buildings and people.



The spherical building's exterior is covered by a high-definition spherical screen, concealing numerous surveillance devices underneath. These devices monitor the entire city, capturing visual images and intercepting communication signals. Positioned advantageously due to its geographic location and height, the building blends into the sky by projecting the ambient environment onto its surface. Unlike previous versions filled with ads, the current screen reflects algorithmic guidance shaped by big data. It discreetly observes city activities within the cloud cover, activating only during unexpected events to maintain a carefully planned societal narrative.

The entrance hall features a uniform design with white and metallic elements. White columns converge at the center, supporting a towering frame. Chrome-surfaced metal columns reflect only individuals approaching them. The sole entrance to the spherical architecture is encased in metal panels, emanating an unknown brightness, invoking both fear and curiosity.



"Today's society is no longer Foucault's disciplinary world of hospitals, madhouses, prisons, barracks, and factories. It has long been replaced by another regime, namely a society of fitness studios, office towers, banks, airports, shopping malls, and genetic laboratories."

--Byung-Chul Han



The building features a central hollow atrium on each level, allowing natural light to filter in. The surrounding space serves as a modern "sweat factory" where intellectual labor is conducted to extract data from individuals' brains. Each level prioritizes extreme physiological comfort with 24-hour bedrooms, unlimited amenities, and ergonomic furniture. However, individuals become dependent on this "paradise" and are unwilling to leave.



Beyond the paradise, a room with supercomputers is restricted, allowing only a single visit. The computer rooms collect and utilize data from the factory for various projects. The environment contrasts starkly with the factory, with towering supercomputers protected by metal panels. The space complies with regulations, ensuring information transparency. Despite the dark and overheated atmosphere, individuals hesitate to stay, drawn back to the seemingly paradisiacal factory. The virtual reality display highlights advanced technology but also symbolizes the irony of being ensnared in a cocoon of information, much like the virtual projected person in the room.

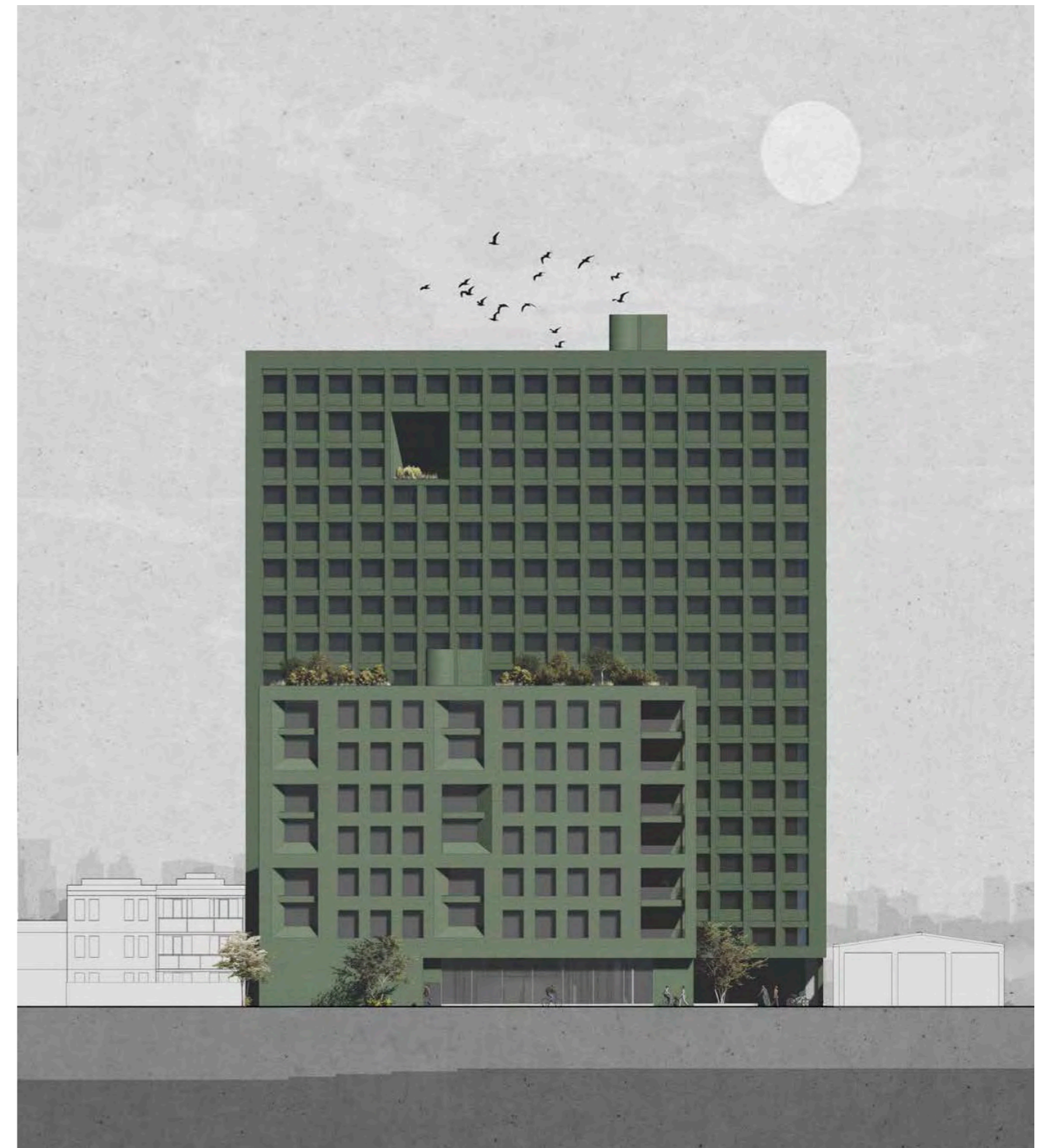


THE NIGHTINGALE HOUSE

-Student Accommodation

The Nightingale. The bird has its creative and spontaneous song. Symbolic of muse, nature's purity, and goodness during Romantic era.

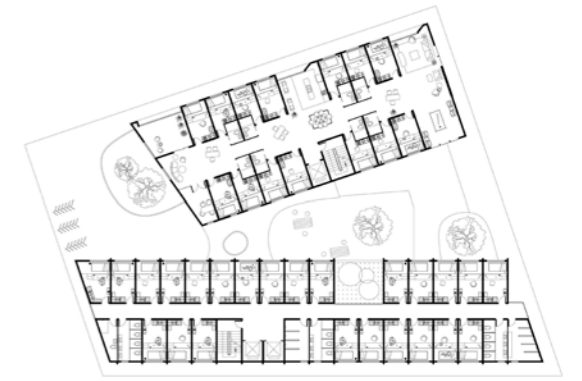
The Nightingale house is a place to inspire students to presume "creativity", "passion" and "love" in their uni lives. This student accommodation is not only a place that provides a bed for students to rest but also a place to shape their spiritual lives. The project is going to provide 500 homes for students of the university of Sydney. The project is located in North Eveleigh which has rich industrial history and is ready for change. Our approach to this project is to create a combination of focusing and relaxing space for students to balance their daily lives. Offering natural space that encourages students to maintain their mental health. The project is inspired by the House of Brazil and the University of Limerick Medical School.



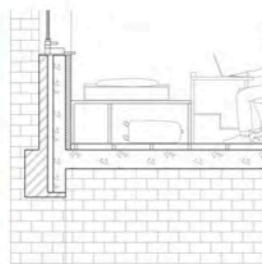
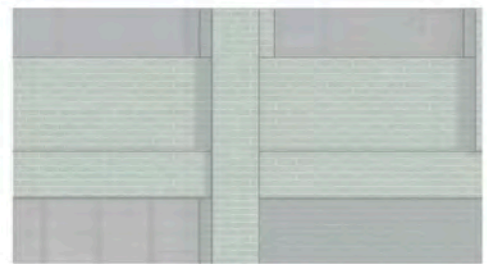
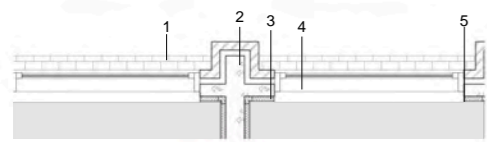
The facade of the building is also taking the design language of the house of Brazil designed by Le Corbusier and the University of Limerick medical school designed by Grafton architects. Both projects use heavy and solid materials, larger scale building components bring out the brutal but elegant feeling of architecture. The brick facade of the huge house is inherited from the formal industrial site. The pattern of the window states the different lifestyles of the two buildings. Big windows crossed two floors on the front building representing the togetherness of life inside of the building. The orderly windows of the rear building represent a more conscientious lifestyle. But there are also different elements planted in the rhythm of rooms bringing small delight moments. Each unit of the project has a bed sitting above the floor, giving more storage space under the bed. The desk and the bed are both close to the window which maximizes the lighting condition and encourages students to enjoy the view of Sydney.



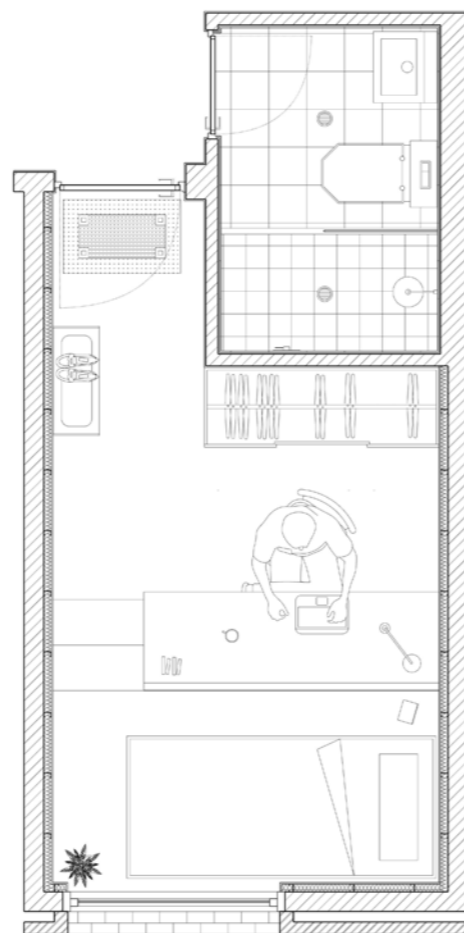
Ground floor plan

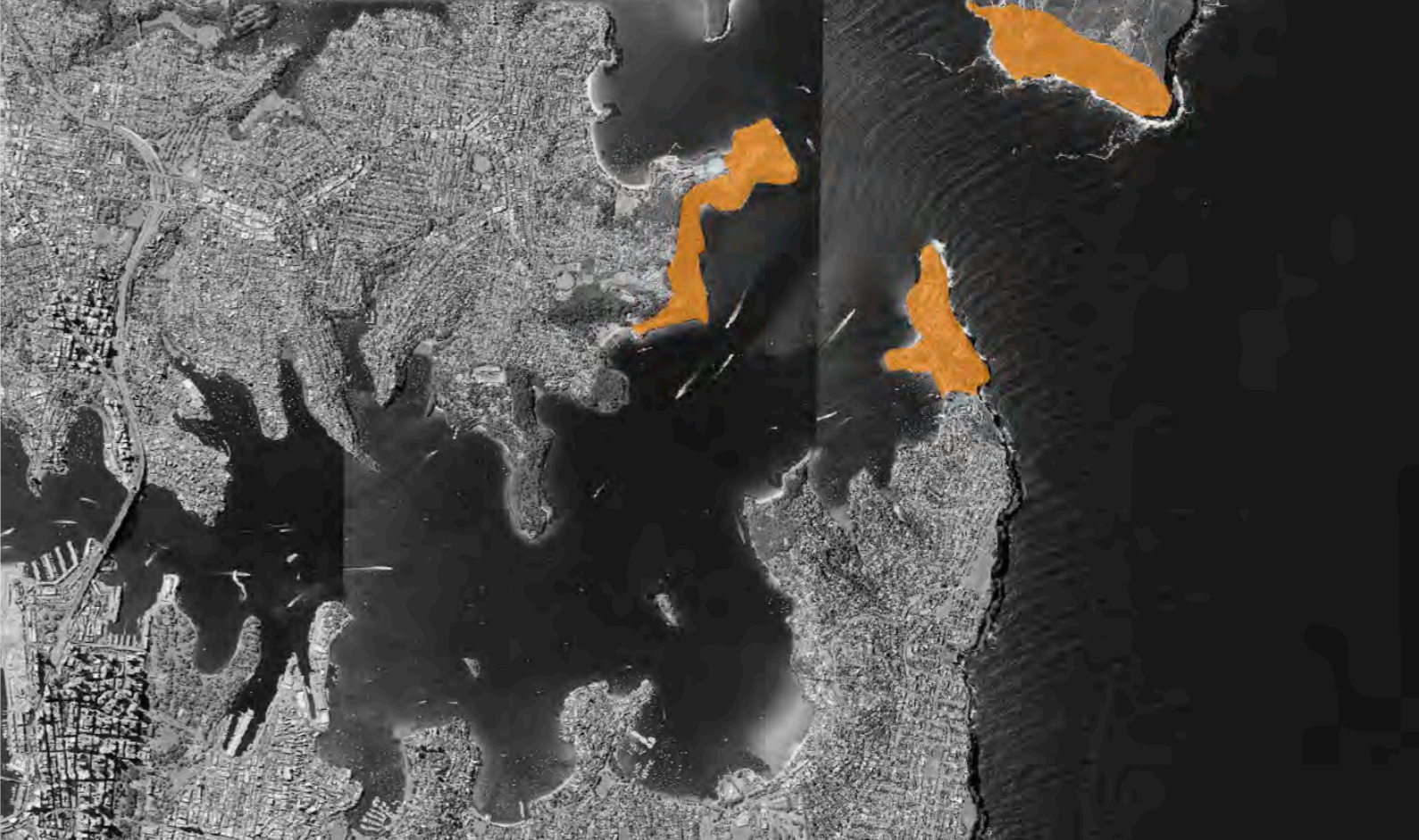
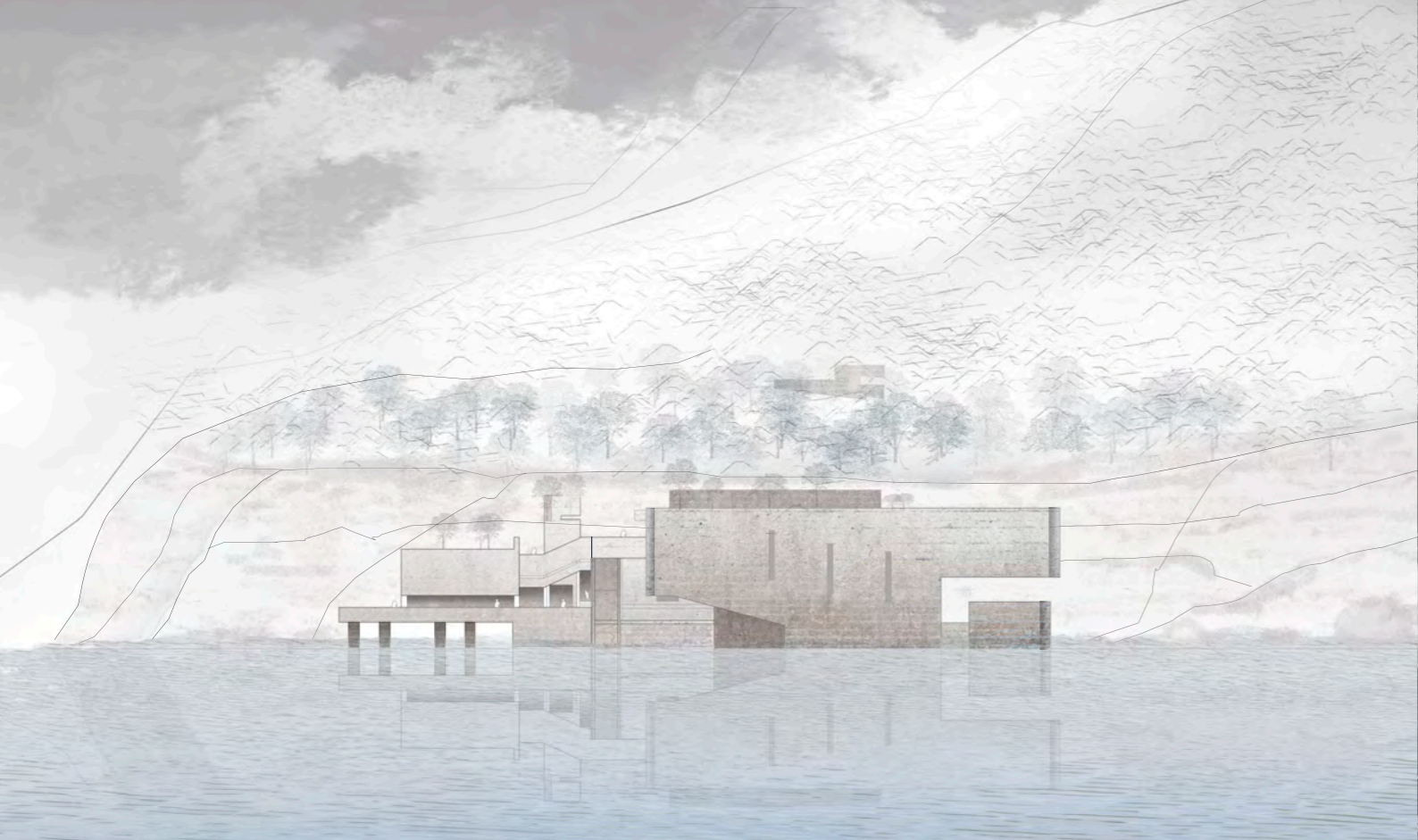


Typical floor plan



1. Brick
2. Concrete
3. Insulation
4. Metal window frame
5. Plaster board





THE WATCH

Theater in Sydney Harbour Water - Georges Head

From the first nation people to the first settler, Sydney Harbor has always been the best place for living because of its unique terrain and massive nature resources. The floating theater project is trying to create a place for entertaining and also engaging with the water and the site.

The people who live in Sydney absolutely love this harbor and do their best to protect this beautiful bay during World War I and World War II. Although these histories are slowly forgotten by the new generation over time, they are still scattered around Sydney Harbour waiting to be discovered. George's head to middle head was an important military base, thanks to his special location and terrain. George's head faces the entrance of the harbour to the east, and a large civilian area to the west. After passing this place, it is the heart of the harbour which makes the location very special.

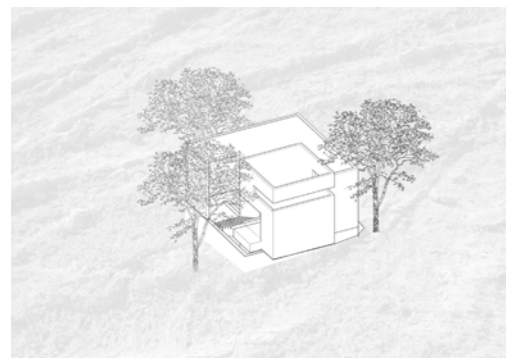
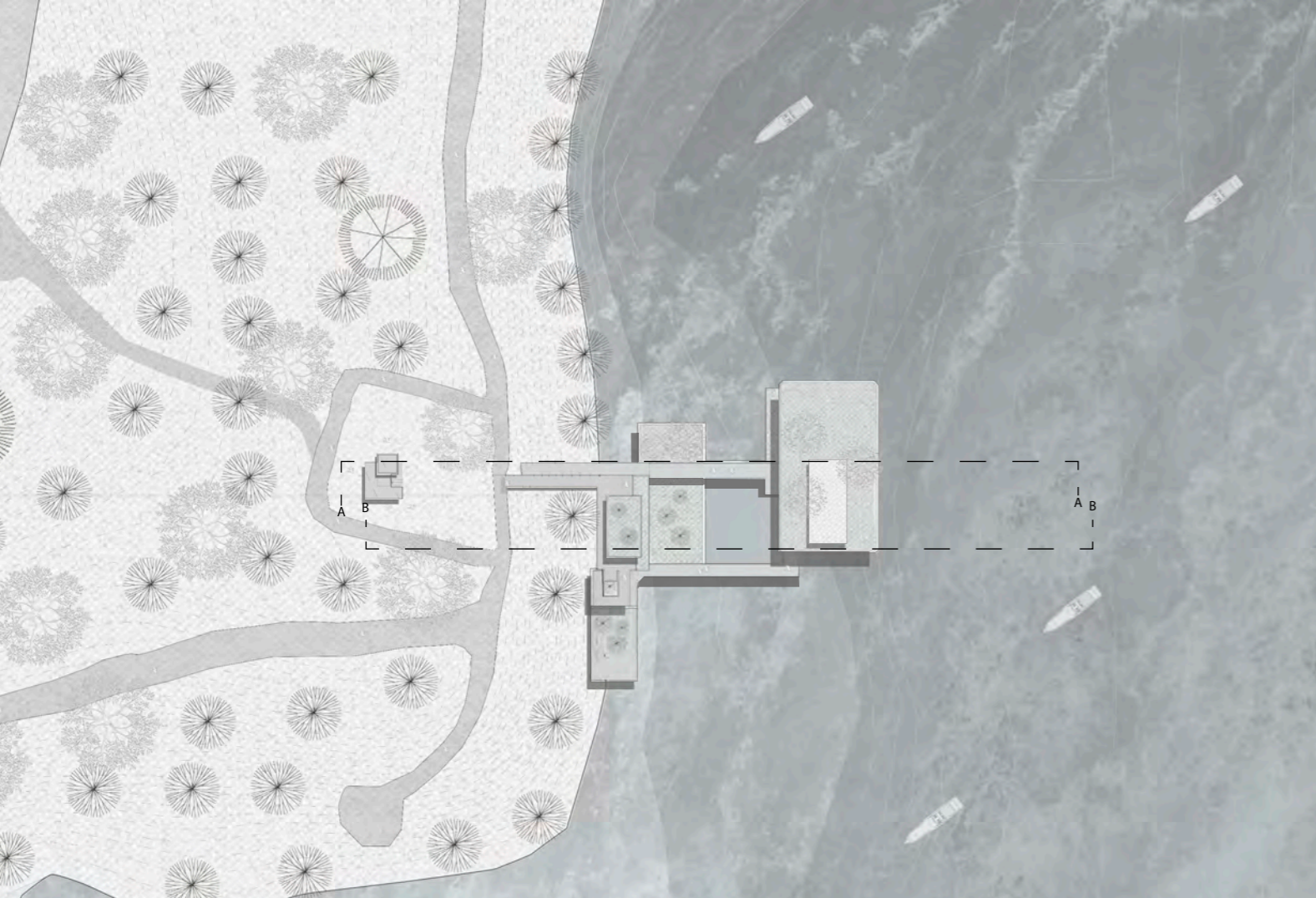
The design discovered the military history of the harbour and willing to turn these abandoned facilities into a new characters. Rebirth these buildings, not just the shelter hidden in the mysterious bushes. At the same time, it provides an opportunity for the residents of Sydney to understand the history of the environment of place they live.



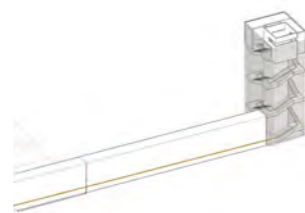
Sydney's Fortifications

Different sorts of fortifications at the Sydney harbour offer an insight into Sydney's 19th century military defenses. Some of the buildings including barracks and officers quarters are still standing, restored and repurposed.





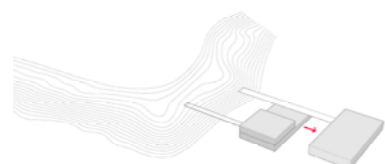
Existing searchlight post:
 Unique opening Hiding in the woods Heavy material
 Aging facade



Reconstruct the searchlight post to become
 the entrance of the theater



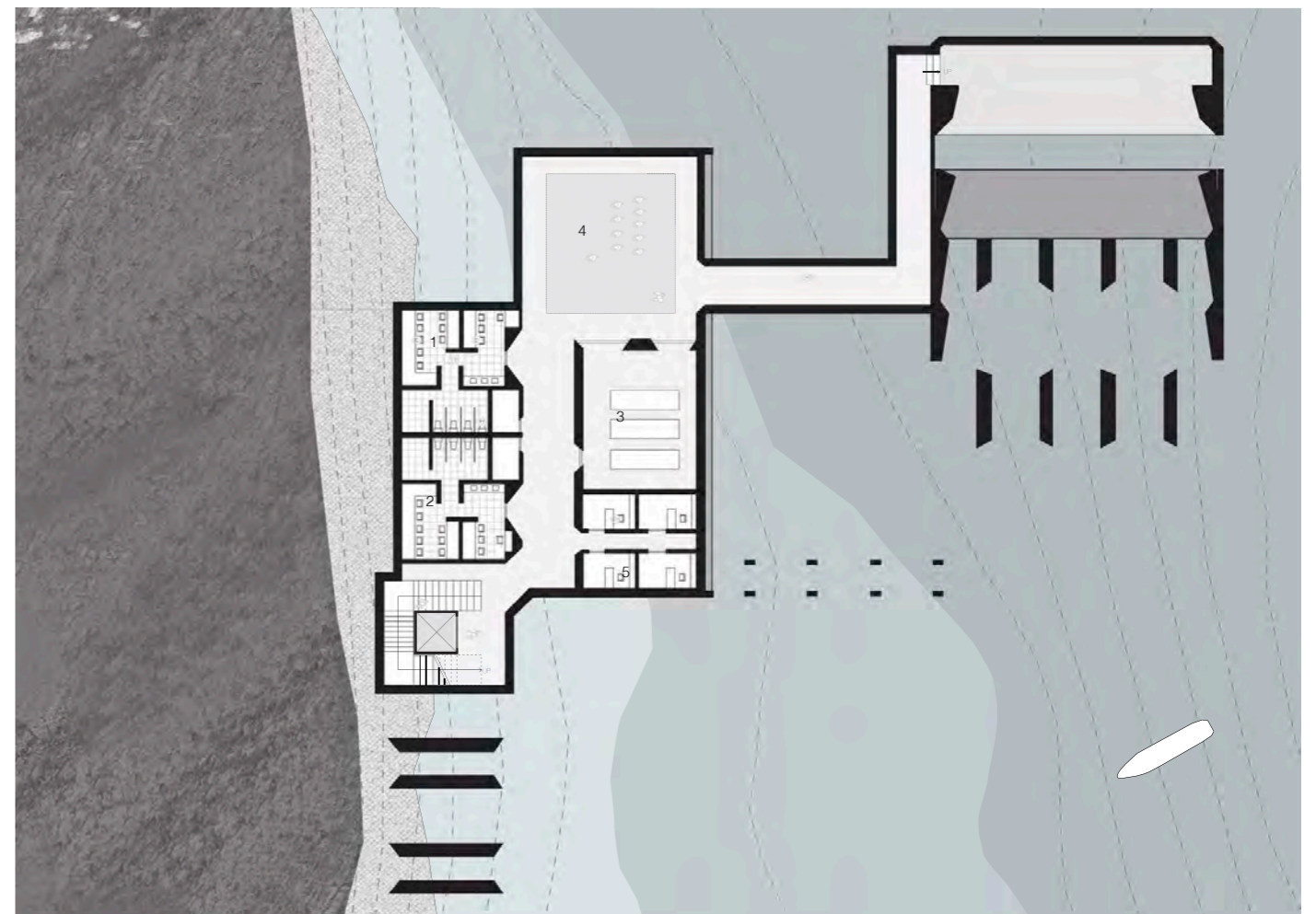
Circulation in the
 building
 Orange: Audience
 Blue: Performer

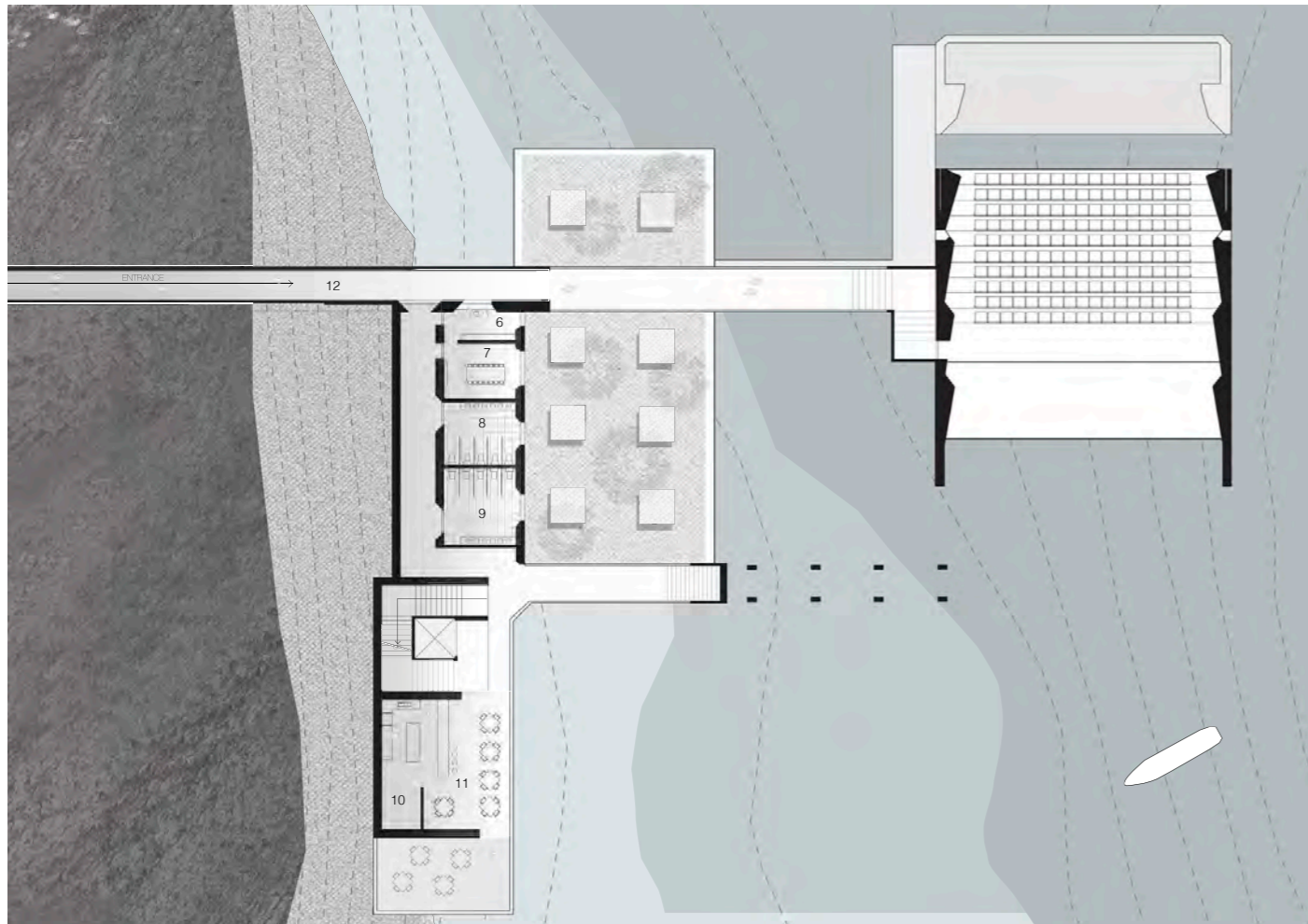


Move Auditorium away
 to create a special envi-
 ronment for audiences

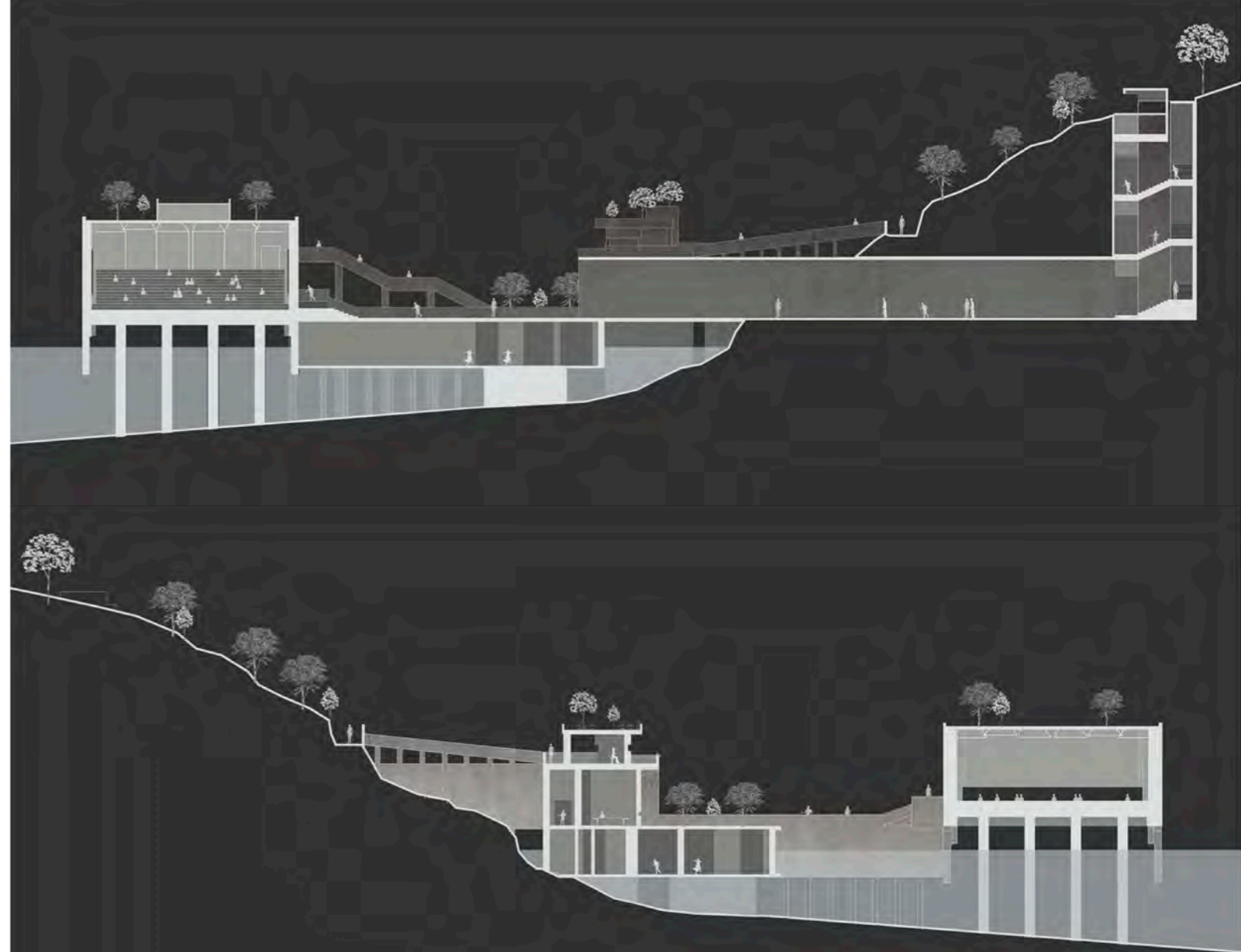
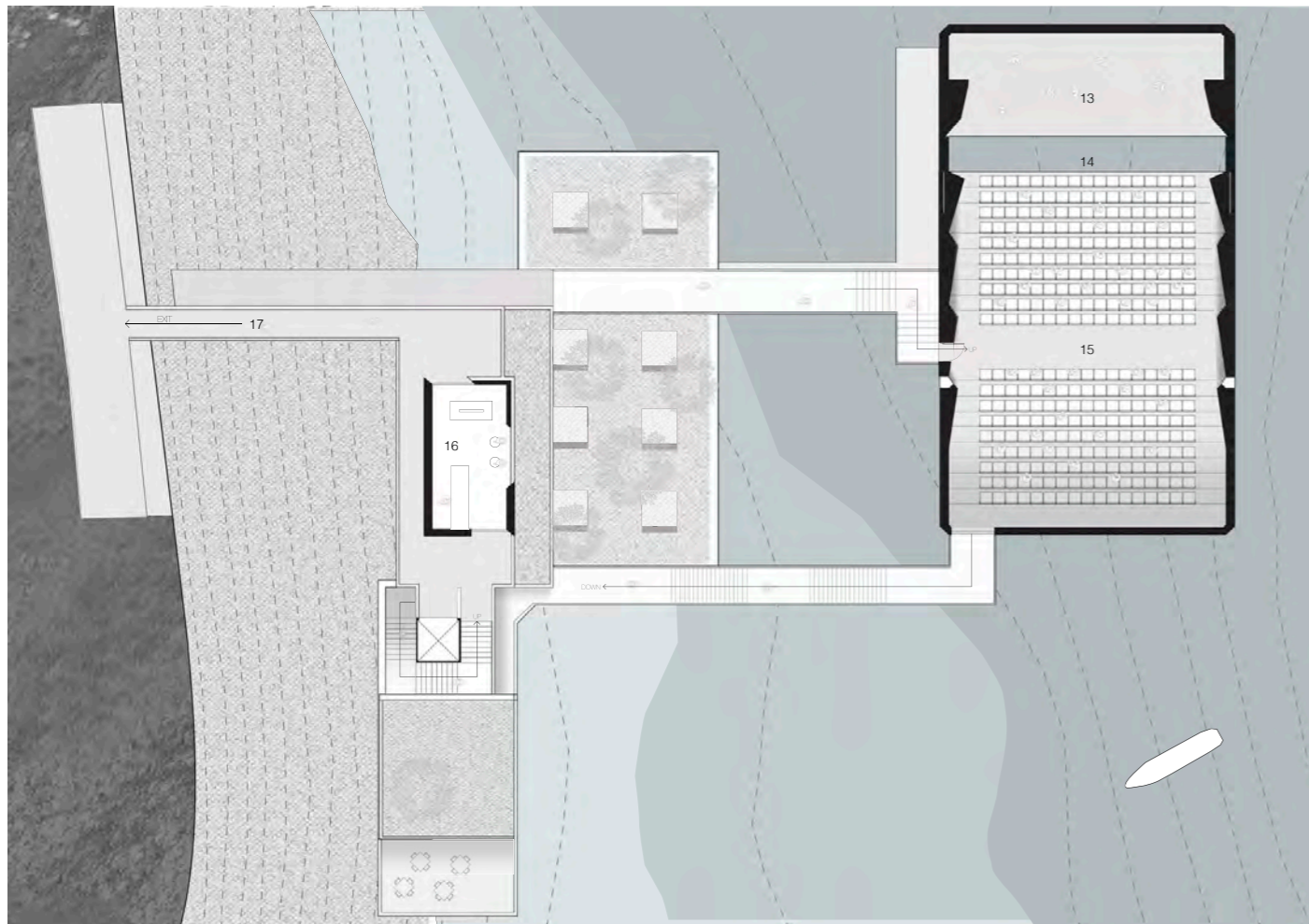


Improve circulation
 Orange: Audience
 Blue: Performer





1. Male Change Room 2. Female Change Room 3. Storage 4. Back Stage 5. Staff Office 6. Service Desk 7. Staff Meeting Room 8. Male Toilet 9. Female Toilet 10. Kitchen 11. Bar & Cafe 12. Entrance 13. Stage 14. Canal 15. Auditorium 16. Gift Shop 17. Exit



Entering from the existing search light post. Walking through the concrete tunnel with LED lights built in the wall. From the dark environment to a bright atmosphere representing the start of a experience.



Exit from the tunnel, entering a open field with plants. Huge scale building sitting in the front.



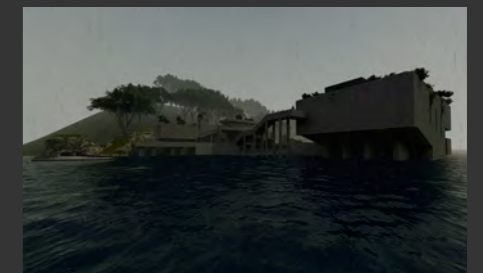
Auditorium with iron curtain open. Providing a bright lighting condition.



Auditorium with iron curtain close. Providing a dark and focus lighting condition.



Exit from the auditorium, concrete bridge link to the service building which sitting on the rock and covered with plants.



View from water level. South-east



Stewart House

Charity in Curl Curl, New South Wales

The new Stewart House offers young people a feeling of safety and connection to nature. The design concept is focused on autonomy which leads to discovering the inner self and building a connection to the outside world. The program lasts 14 days which is important for creating an approachable space for young people—letting the young people feel safe and avoiding overwhelming feelings from the architecture. Then, young people could continue their journey in Stewart House. The new Stewart house offers big playgrounds for different activities. The central playground could host various sports activities which offer opposites for young people to interact with each other. The rooftop playground offers a more individual play experience. The fun structure and plantation in the rooftop playground encourage young people to discover and develop different senses. The accommodation areas and the playgrounds will all have water views, offering a window to observe the outside world and feel protected.



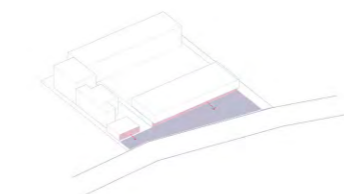
Central Playground



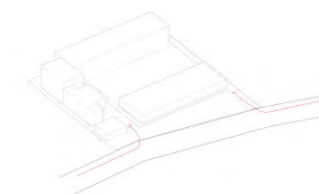
Rooftop Playground



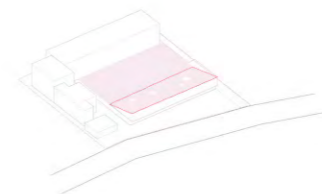
Bedroom



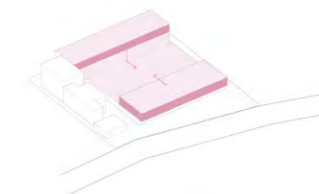
Offering community gardens and an opportunity to understand Stewart House.



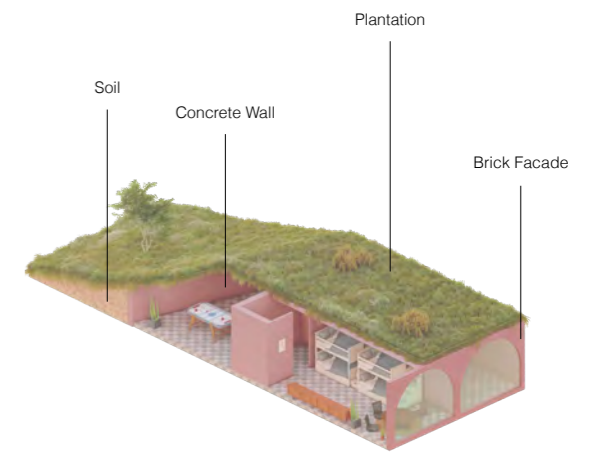
Spread different access to staff and the young people.



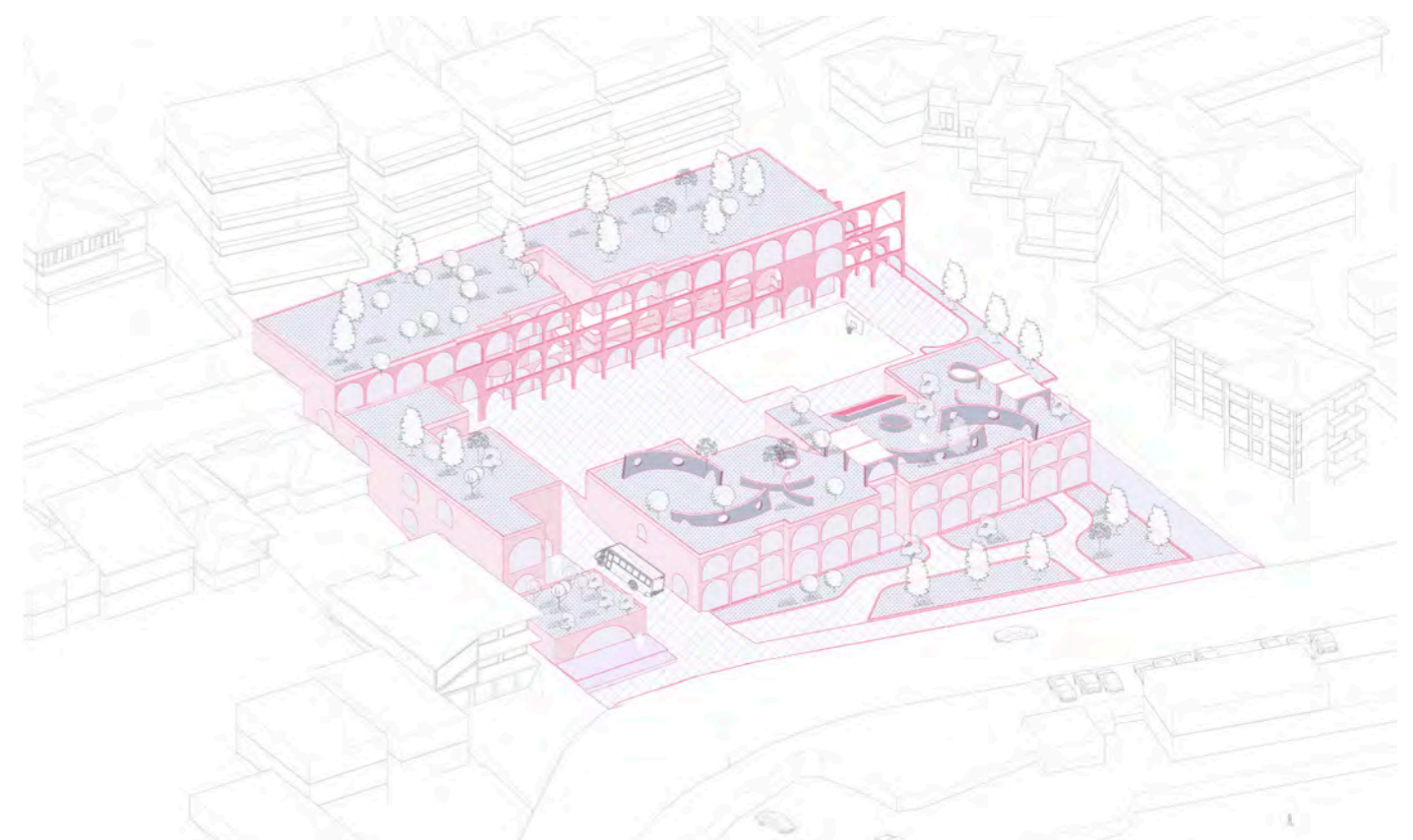
Extend playground to the rooftop. Offering a bigger play area for exploring and also giving a safe sense when kids are playing.



Central playground give easy access to both young and older groups.

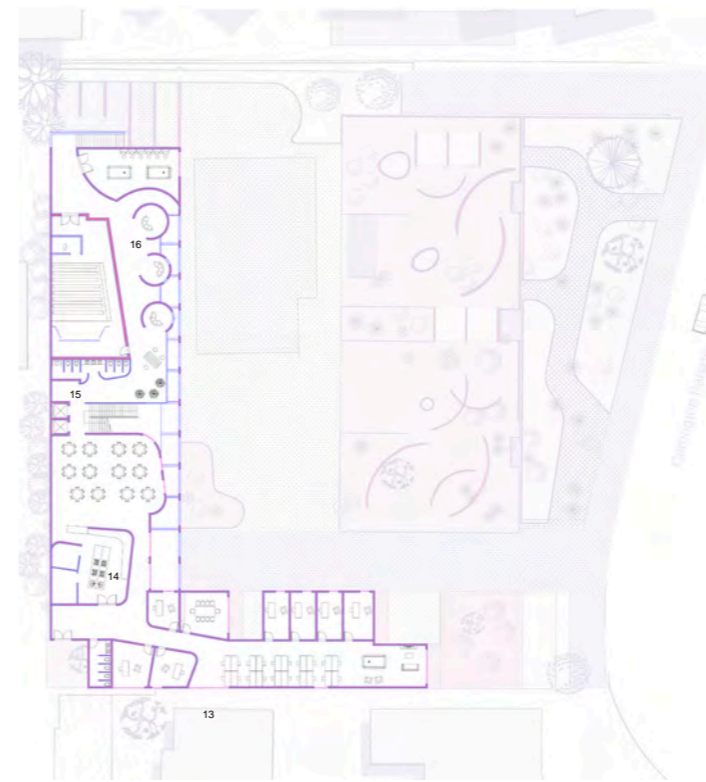


Bedroom Design
The bedroom design adopted the concept of the arch cave. Covered with the plantation gives the feeling of connecting to the ground.





Site plan



First floor



Second floor

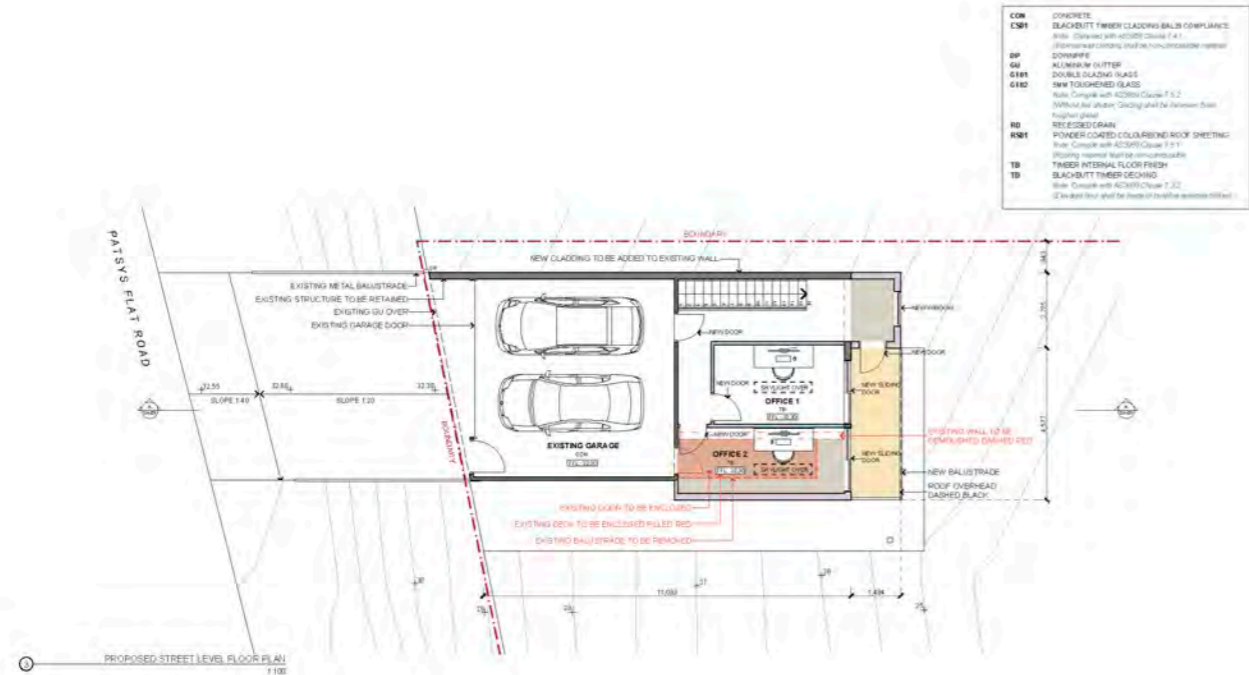
- | | | | |
|----------------------|------------------------|------------------------|-------------------------|
| 1. Carpark | 7. Male accommodation | 13. Office | 17. Male accommodation |
| 2. Service & Laundry | 8. Female ccommodation | 14. Kitchen and dining | 18. Female ccommodation |
| 3. Cafe | 9. Demo Kitchen | 15. Cinema | |
| 4. Health care | 10. Craft room | 16. Entertainment room | |
| 5. Gallery | 11. Reception | | |
| 6. Public garden | 12. Education | | |



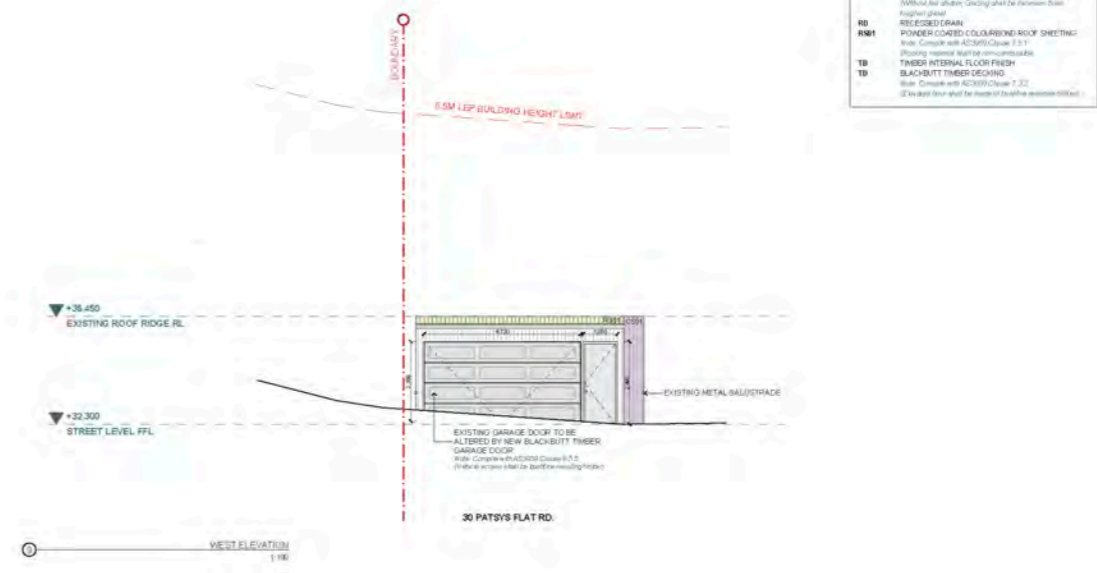
Basement

Ground floor

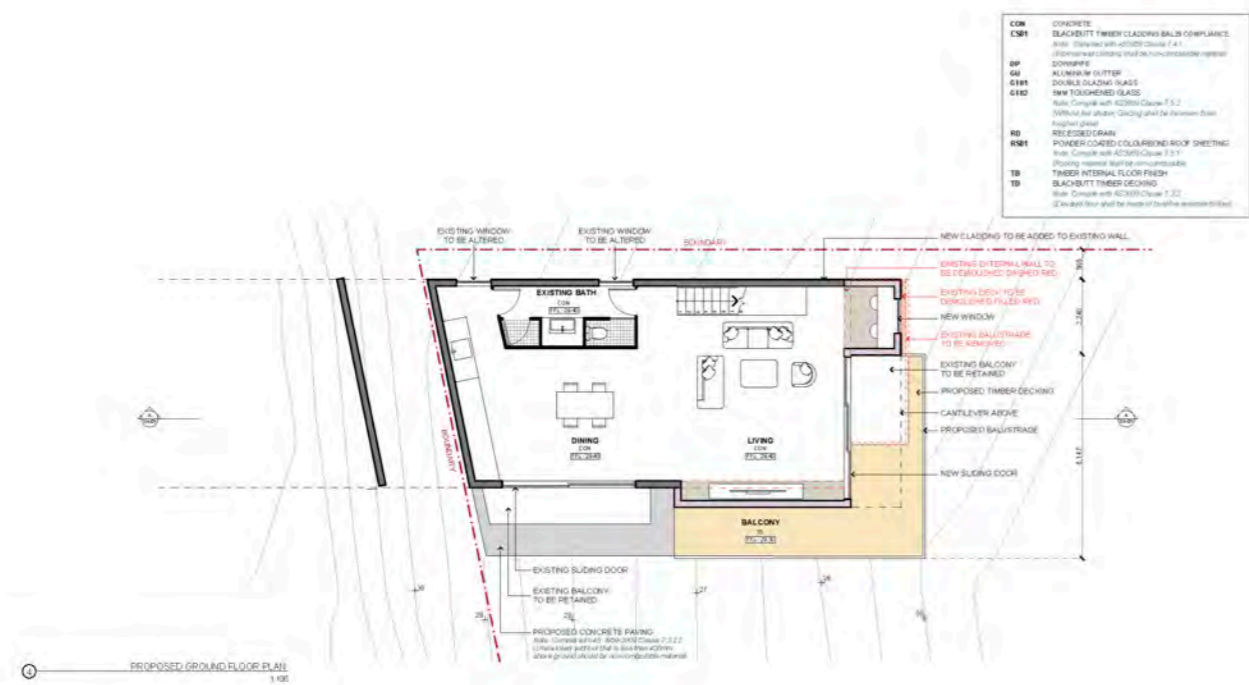




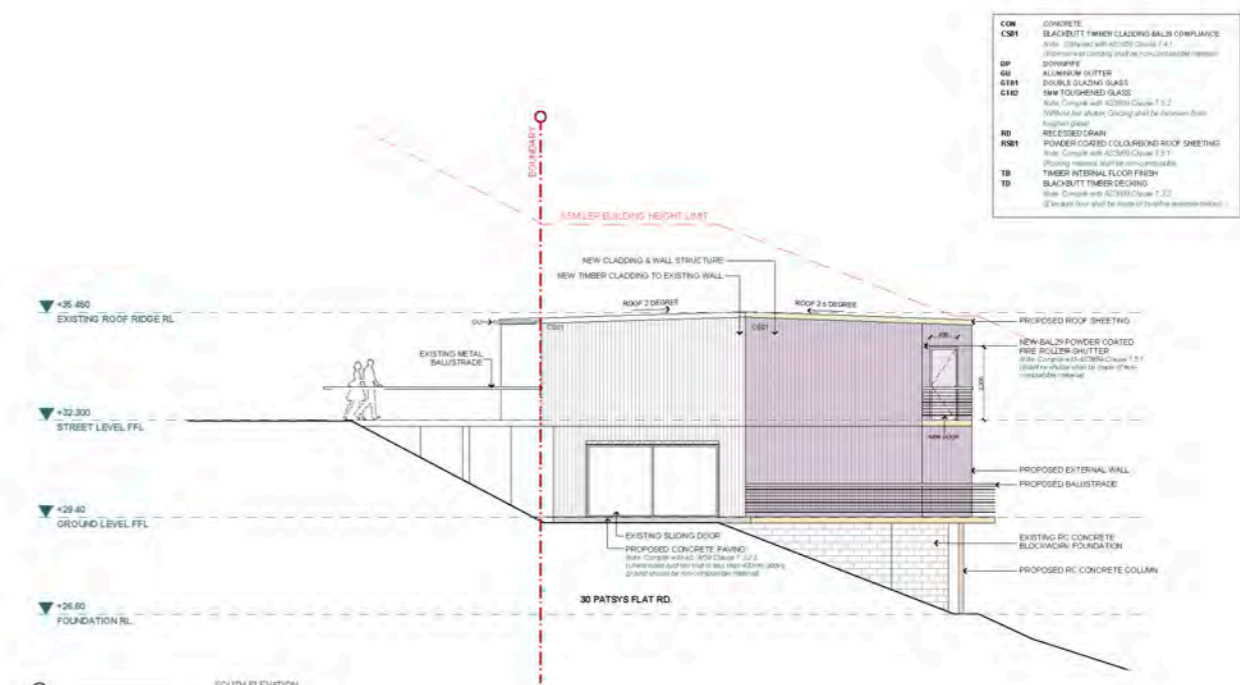
<p>JWAC STUDIO ANZ (2017) Registered Architect No. 20229 141 Old Pitt Street NSW 2000 Tel: 9412 145 678</p>	<p>KEY:</p> <ul style="list-style-type: none"> PROPOSED EXTERNAL STRUCTURE PROPOSED INTERNAL FLOOR PROPOSED INTERNAL PARTITION PROPOSED COLUMN PROPOSED ROOF PROPOSED CEILING PROPOSED CONCRETE PAVING EXISTING STRUCTURE DEO-TO BE DEMOLISHED 	<p>DRAWING TITLE: PROPOSED STREET LEVEL FLOOR PLAN</p>	<p>PROJECT NORTH: [North Arrow]</p>	<p>SITE LOCATION: 30 PATSYS FLAT RD, SMITHS LAKE NSW 2428</p>	<p>DRAWN BY: J+WAC STUDIO</p>	<p>DRAWN DATE: 28/03/2022</p>	<p>DRAWING NO.: DA-03</p>
	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>PROPOSED STREET LEVEL FLOOR PLAN</p>	<p>SCALE 1:100</p>	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>SCALE 1:100</p>



<p>JWAC STUDIO ANZ (2017) Registered Architect No. 20229 141 Old Pitt Street NSW 2000 Tel: 9412 145 678</p>	<p>KEY:</p> <ul style="list-style-type: none"> PROPOSED EXTERNAL STRUCTURE PROPOSED INTERNAL FLOOR PROPOSED INTERNAL PARTITION PROPOSED COLUMN PROPOSED ROOF PROPOSED CEILING PROPOSED CONCRETE PAVING EXISTING STRUCTURE DEO-TO BE DEMOLISHED 	<p>DRAWING TITLE: WEST ELEVATION</p>	<p>PROJECT NORTH: [North Arrow]</p>	<p>SITE LOCATION: 30 PATSYS FLAT RD, SMITHS LAKE NSW 2428</p>	<p>DRAWN BY: J+WAC STUDIO</p>	<p>DRAWN DATE: 28/03/2022</p>	<p>DRAWING NO.: DA-09</p>
	<p>CLIENT: ROSE KING</p>	<p>NTS</p>	<p>WEST ELEVATION</p>	<p>SCALE 1:100</p>	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>SCALE 1:100</p>



<p>JWAC STUDIO ANZ (2017) Registered Architect No. 20229 141 Old Pitt Street NSW 2000 Tel: 9412 145 678</p>	<p>KEY:</p> <ul style="list-style-type: none"> PROPOSED EXTERNAL STRUCTURE PROPOSED INTERNAL FLOOR PROPOSED INTERNAL PARTITION PROPOSED COLUMN PROPOSED ROOF PROPOSED CEILING PROPOSED CONCRETE PAVING EXISTING STRUCTURE DEO-TO BE DEMOLISHED 	<p>DRAWING TITLE: PROPOSED GROUND LEVEL FLOOR PLAN</p>	<p>PROJECT NORTH: [North Arrow]</p>	<p>SITE LOCATION: 30 PATSYS FLAT RD, SMITHS LAKE NSW 2428</p>	<p>DRAWN BY: J+WAC STUDIO</p>	<p>DRAWN DATE: 28/03/2022</p>	<p>DRAWING NO.: DA-04</p>
	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>PROPOSED GROUND LEVEL FLOOR PLAN</p>	<p>SCALE 1:100</p>	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>SCALE 1:100</p>



<p>JWAC STUDIO ANZ (2017) Registered Architect No. 20229 141 Old Pitt Street NSW 2000 Tel: 9412 145 678</p>	<p>KEY:</p> <ul style="list-style-type: none"> PROPOSED EXTERNAL STRUCTURE PROPOSED INTERNAL FLOOR PROPOSED INTERNAL PARTITION PROPOSED COLUMN PROPOSED ROOF PROPOSED CEILING PROPOSED CONCRETE PAVING EXISTING STRUCTURE DEO-TO BE DEMOLISHED 	<p>DRAWING TITLE: SOUTH ELEVATION</p>	<p>PROJECT NORTH: [North Arrow]</p>	<p>SITE LOCATION: 30 PATSYS FLAT RD, SMITHS LAKE NSW 2428</p>	<p>DRAWN BY: J+WAC STUDIO</p>	<p>DRAWN DATE: 28/03/2022</p>	<p>DRAWING NO.: DA-06</p>
	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>SOUTH ELEVATION</p>	<p>SCALE 1:100</p>	<p>CLIENT: ROSE KING</p>	<p>SCALE 1:100</p>	<p>SCALE 1:100</p>



1 TAWA STREET

Home Renovation Project - 1 Tawa Street, Ashfield, 2131 NSW. (Lot 3, DP16828)
 This proposed development seeks partial demolition and alterations and additions to an approved existing Bungalow house comprising internal reconfiguration including new kitchen and dining area, lounge, study area and reallocations of bedrooms, plus two new courtyards including timber decking.

