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Mana Tohu Mātauranga o Aotearoa  
New Zealand Qualifications Authority

## Level 1 Design and Visual Communication 2024

**92003 Use instrumental drawing techniques to communicate own product or spatial design outcome**

### **EXEMPLAR – SPATIAL DESIGN**

**Merit**

**TOTAL 05**



# Small Bach



This cozy bach is designed for couples looking to relax by the beach and host gatherings. It features a small patio that overlooks the beach, allowing parents to supervise their children while they play in the water without having to go onto the sand. The large windows provide ample natural light, helping to conserve electricity. Inside, the open-concept layout encourages interaction among guests, ensuring everyone can stay connected no matter where they are in the main area. Additionally, there is a bathroom conveniently tucked away behind the bedroom for privacy.

The main flooring of the house is carpet. In the kitchen, the floor is made of paneled wood, while the bathroom features tile flooring. Both the front and back patios are made of concrete. Wooden beams surround the windows for added stability. Additionally, the walls are conveniently insulated to ensure comfort throughout every season.

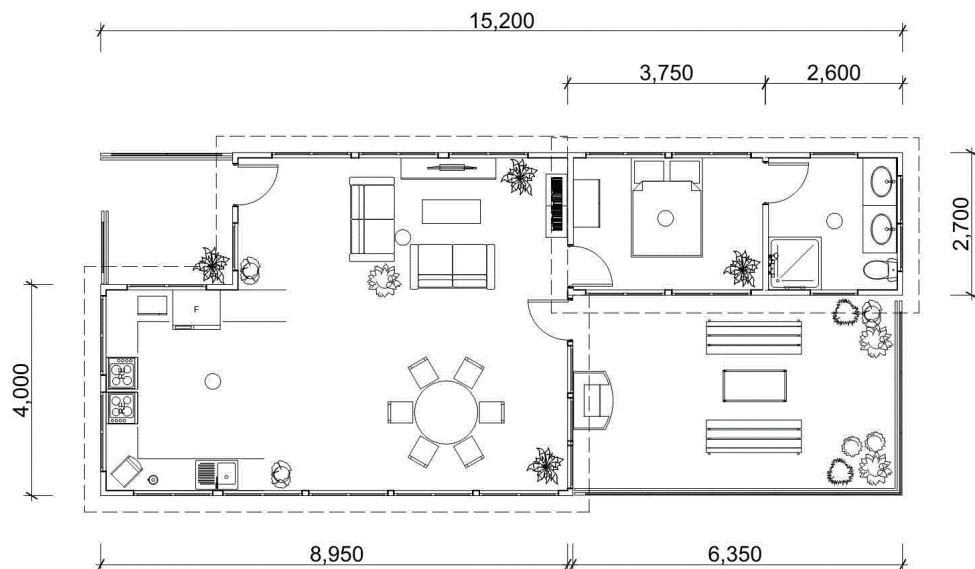


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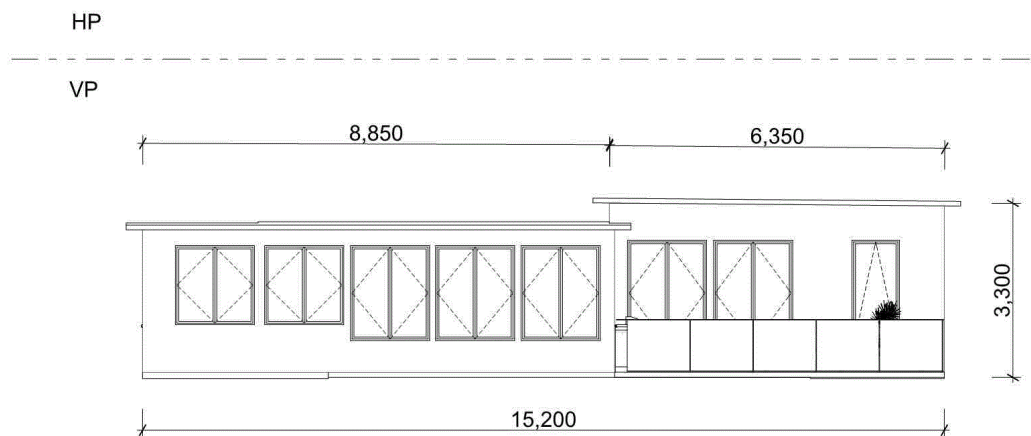
SMALL BACH

NAME:



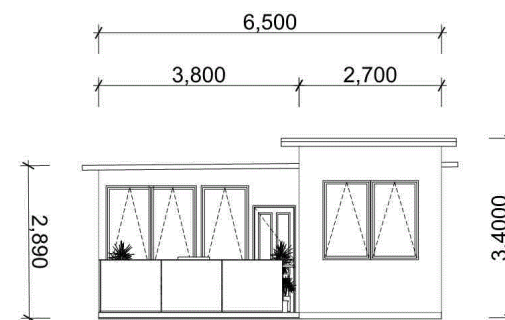


Ground Floor



South Elevation

VP1



East Elevation

NAME:

DATE:

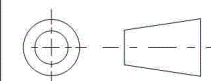
29/10/2024

TITLE:

3rd ANGLE  
ORTHOGRAPHIC

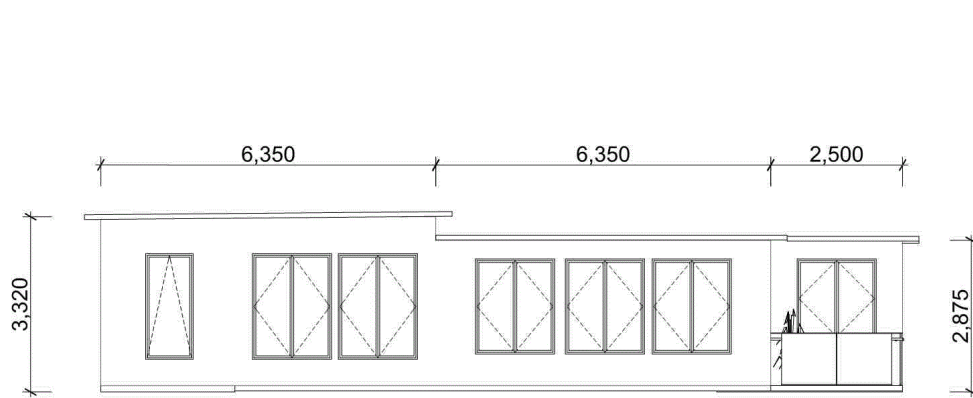
SCALE:

1:100

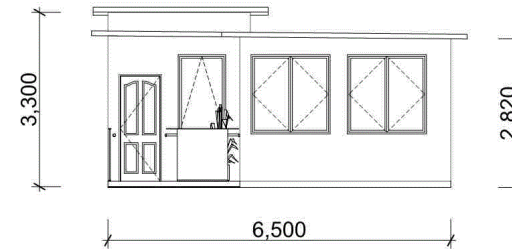


DRAWING NUMBER:

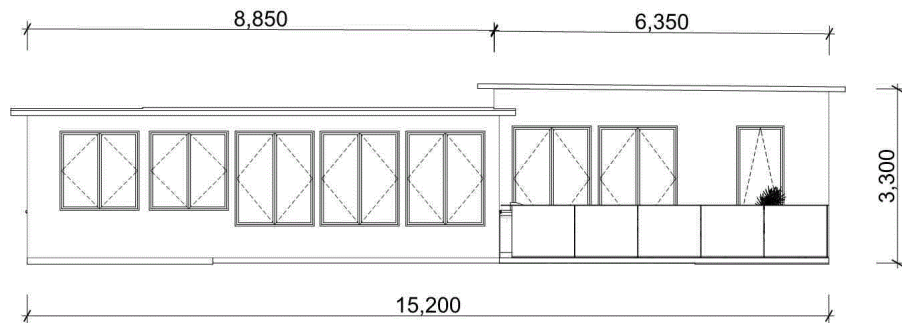
2



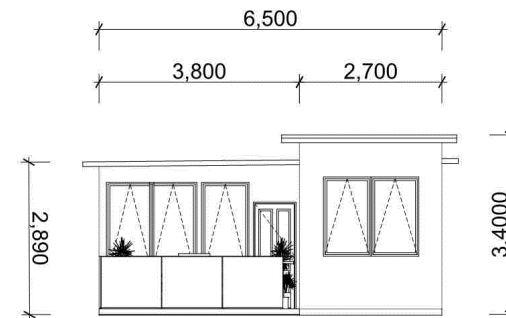
North Elevation



West Elevation



South Elevation



East Elevation

NAME:

DATE:

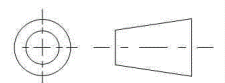
29/10/2024

TITLE:

EXTERIOR  
ELEVATIONS

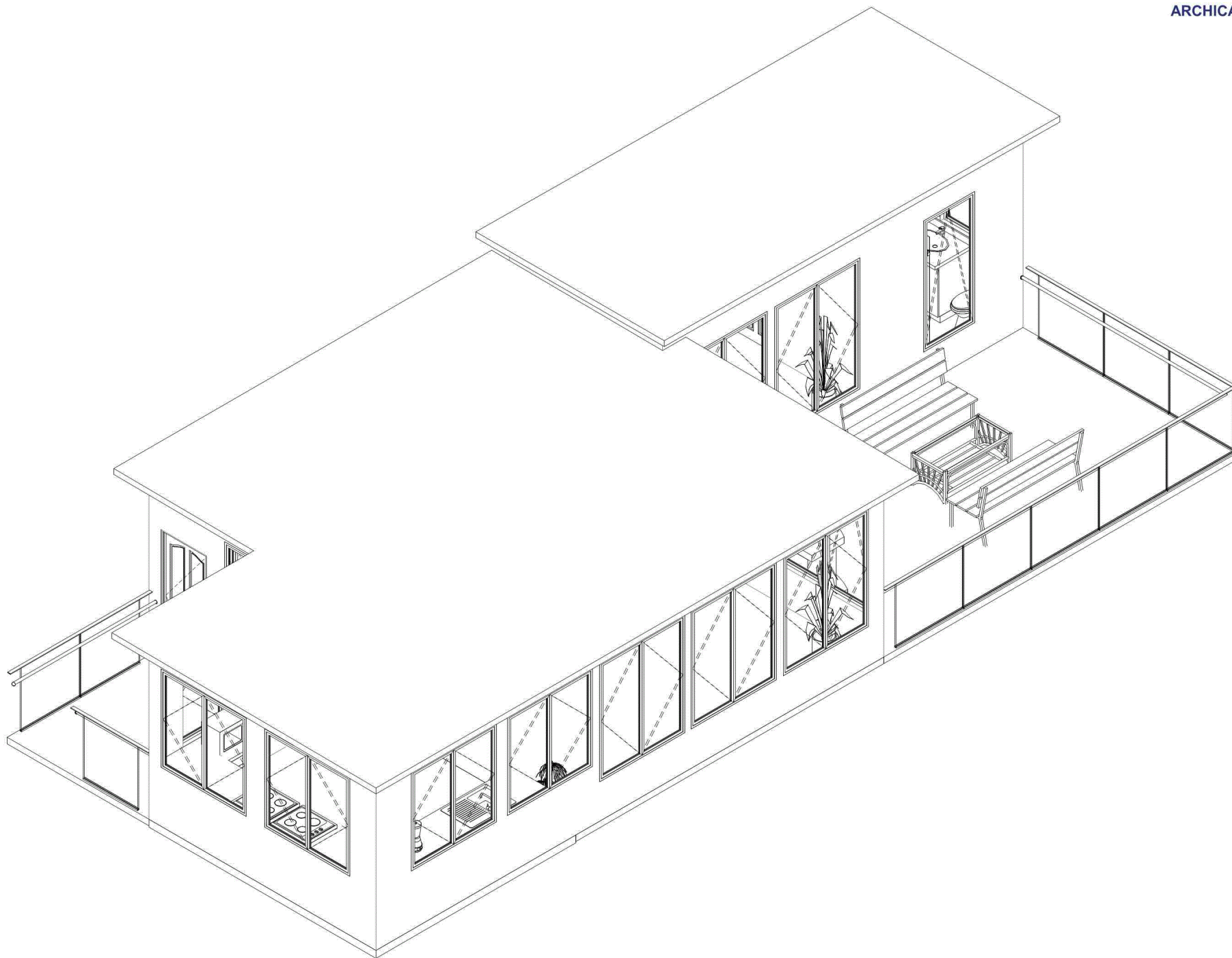
SCALE:

1:100



DRAWING NUMBER:

3



NAME:

DATE:

29/10/2024

TITLE:

AXO - DRAWING 1  
(EXTERIOR)

SCALE:

1:55

DRAWING NUMBER:

4



NAME:

DATE:

29/10/2024

TITLE:

AXO - DRAWING 2  
(SECTION VIEW)

SCALE:

1:50

DRAWING NUMBER:

5

## Merit – spatial design

**Subject:** Design and Visual Communication

**Standard:** 92003

**Total score:** 05

Grade score	Marker commentary
M5	<p>This submission is for a small bach design and was produced using the CAD program. The candidate has chosen to show a third angle orthographic of the design. The title block and symbol has been produced correctly, and the elevations are aligned. The candidate shows an exterior of the building, with the roof on, which informs the visible surface features and overall form of the design outcome. Though the drawing with the roof removed shows the various heights of the walls of the building, the choice of view also creates ambiguity in the internal spatial relationships of the building.</p>

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## Level 1 Design and Visual Communication 2024

**92003 Use instrumental drawing techniques to communicate own product or spatial design outcome**

### **EXEMPLAR – PRODUCT DESIGN**

**Merit**

**TOTAL 05**

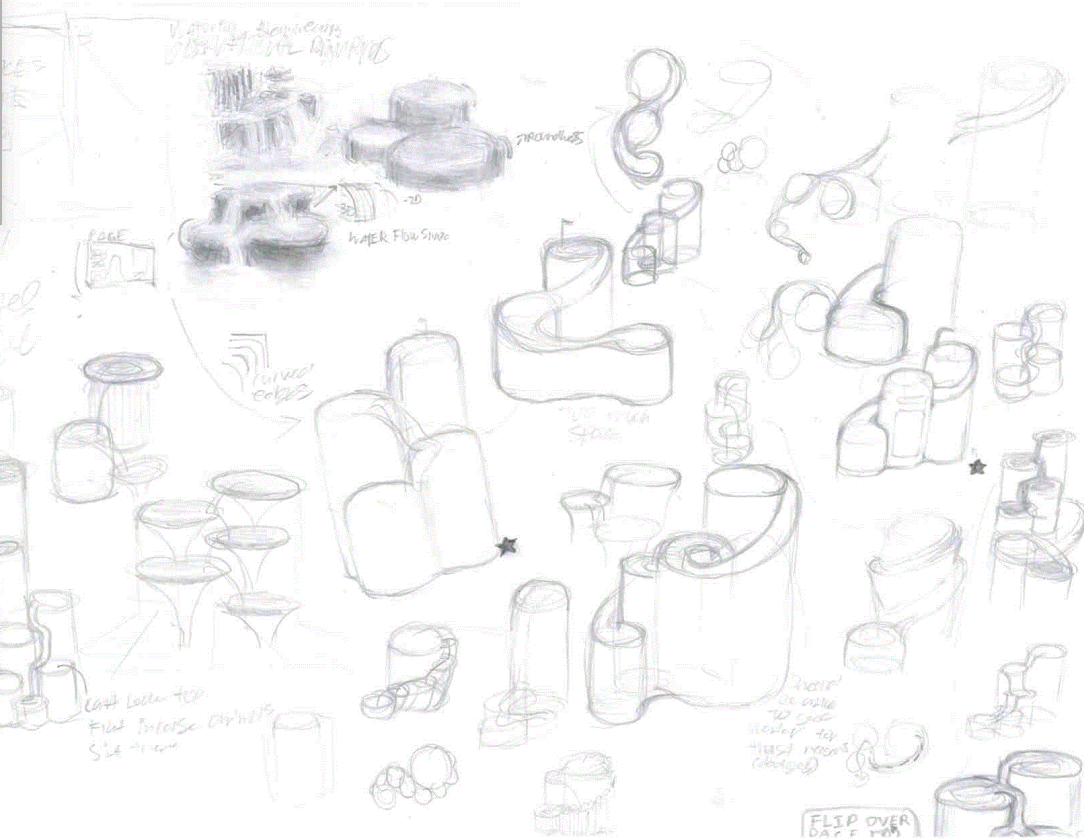
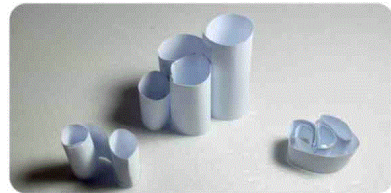


## Biomimicry Images



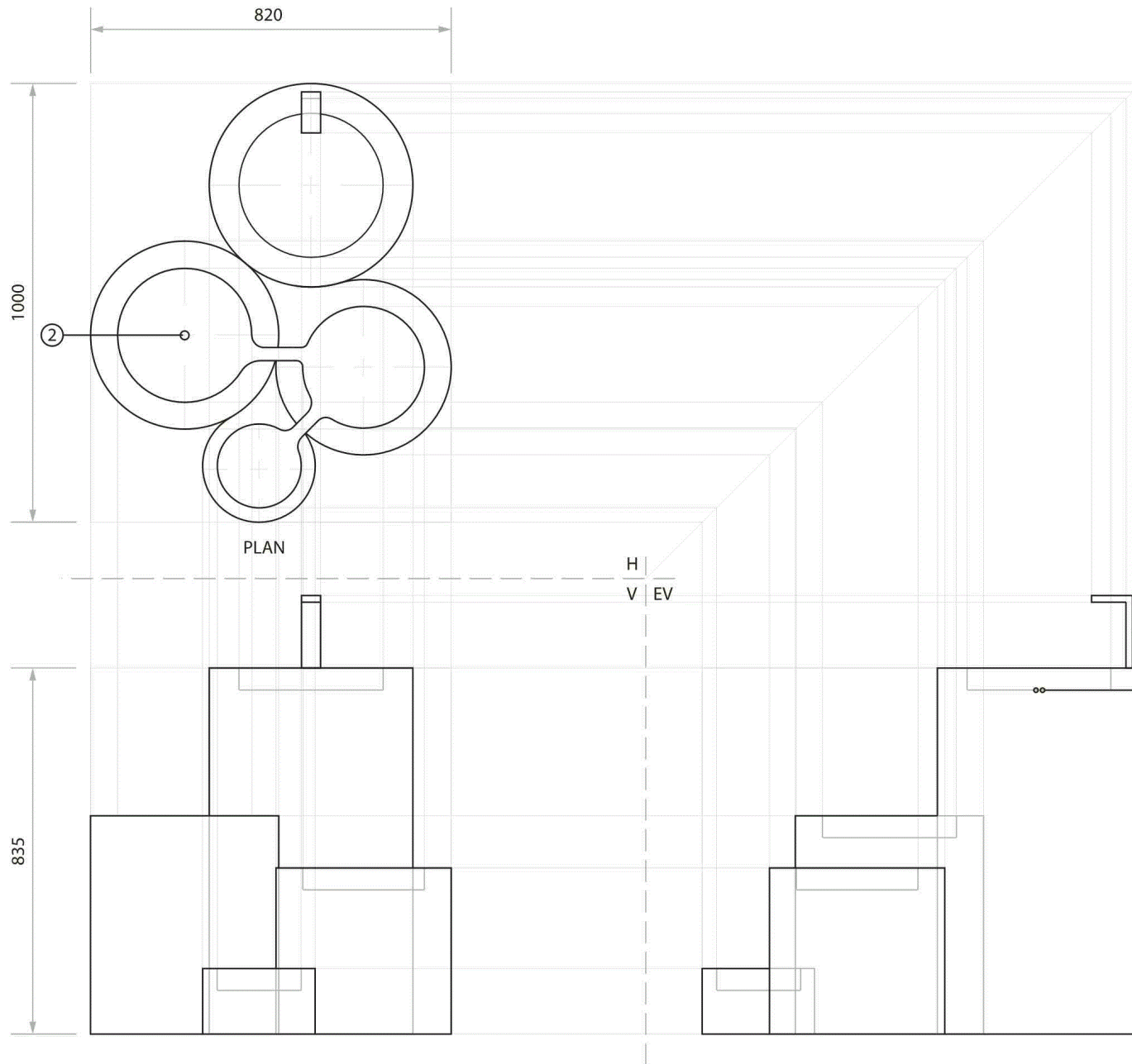
## Final Design

## Explorative Models

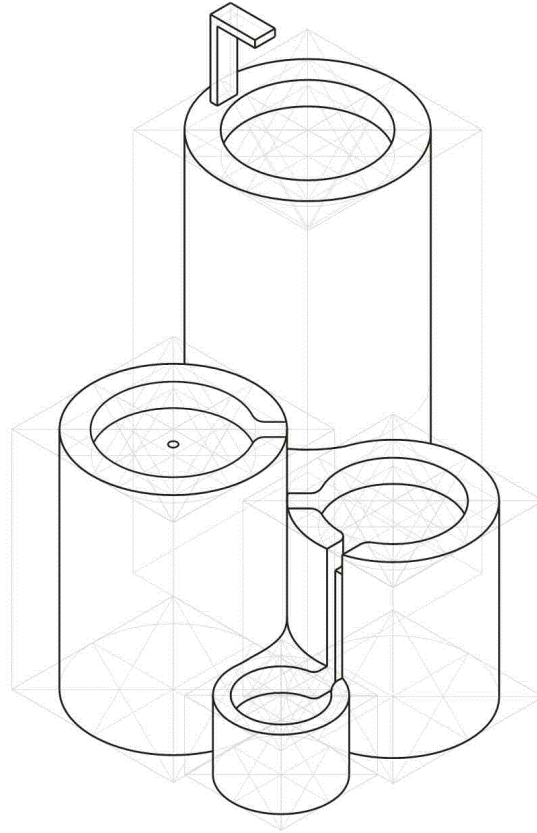


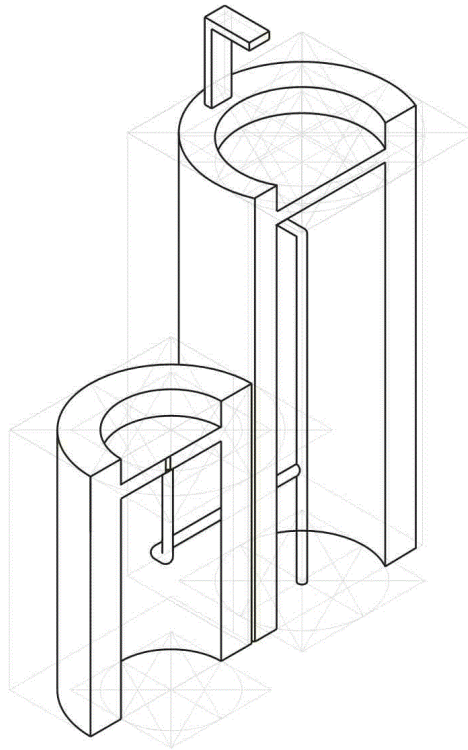
# Water Fountain 92003

I aim to design a product that is useful for people and dog walkers at Long bay regional park. It will be a water dispenser that will be able to serve heights of both humans and dogs.



4	MAIN SHELL	1	SMOOTH CONCRETE
3	BUTTONS	2	STAINLESS STEEL
2	FLUSH WATER TAP	2	COPPER/ RUBBER
1	STANDING WATER TAP	1	STAINLESS STEEL
ITEM	NAME	QTY	MATERIAL







## Merit – product design

**Subject:** Design and Visual Communication

**Standard:** 92003

**Total score:** 05

Grade score	Marker commentary
M5	<p>This submission is of a water fountain. The candidate has produced a third angle orthographic which uses measurement correctly, contains a title block and symbol, but labels a section which has not been identified in a different view or developed as a section drawing in the orthographic. The labelling of the various components shows understanding of the different features of the design. The cutaway paraline reveals the piping construction of the internal components and the thickness of the exterior shell, as well as the hollow interior. Most drawing is clear and easy to understand. The cutaway section is not correctly drawn using hatching to show various components and the elements of the fountain are simple.</p>