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Mana Tohu Mātauranga o Aotearoa
New Zealand Qualifications Authority

Scholarship 2024

Design and Visual Communication 93602

SCHOLARSHIP EXEMPLAR



SITE Kaituna Quarry Reserve
Little River Rail Trail

The Little River Rail Trail is a cycle wand walkway between Christchurch and Little River; starting from Hornby, the trail follows alongside the Little River Branch railway line which operated from 1875 until 1967. It was a vital means for farmers to get stock and produce to the market.

The site will be placed within the Kaituna Quarry Reserve, located at the edge of Lake Ellesmere. There are 166 species of birds recorded on Te Waihora, including 133 indigenous species. With up to 98,000 birds on the lake at one time, and the lakes and associated rivers and wetlands are rich in wildlife and natural vegetation.



The Little River Rail Trail is a walk that is suitable for young children and families, therefore if the site is used for a potential retail design it would be accessible to a wide range of ages.



B R I E F



As a writer/artist who enjoys fiction, fantasies, and the natural world, I wanted to create a space that can enhance creative processes and can bring a closer connection to nature. A study space in combination with a library that can allow creativity to flourish, but also any students who would like a quiet space to focus. But also, to be able to create one must first read; so I thought of adding an element akin to a bookshop/library within the space to further the purpose of this design--allowing a wider range of functions.

After visiting the site of Kaituna Quarry Reserve, it's beautiful scenery created a tranquil and quiet nature to the site.

Due to the nature of the site, the building and spaces itself should be representing of the surrounding; bringing the visitors together with natural environment. And the calmness of the Kaituna Quarry will be able to bring forth creativity and productivity suitable for students, creatives, for anyone of any age wanting a calm space to hang out.

I want to ensure that the building itself does not disturb the site, as it is home to its wide range of birds, plants, and animals... But also, the spaces needs to be able to be comfortable for the people--spacious and organic to its design. There should also be dedicated quiet/study spaces.



ENVIRONMENTAL FACTORS

Sun

The sun path rises from the west of the site and sets on the east, therefore to avoid harsher sun-lights during midday, more open spaces should face more towards east and/or west.

Rain

Heavy rain is not an unusual occurrence, and temperatures are known to drop below 10°C. So there should be more indoor space than outdoors, in case of the sudden change in weather.

Land

Due to the many species of animals and birdlife present in around the Te Waihora area, the construction of a building within the site needs to take the environmental impact in mind.

The elevation of the land is 670 metres which is considered a very low altitude above sea level. Therefore the land will be prone to flooding during heavy rain or storm, so structures on the site will need to be made with further stability concerns.

Wind

North-westerlies wind, as well as the wind from the south will be the most prominent winds that is experienced at the site. This means that there will be winds coming from both sides of the site, with speeds up to 20.1 mph. Therefore considerations on the structure and material of the design is very important to provide a more wind resistance space.

INSPIRATION



IDEATION FROM ORGANIC FORMS

DRIFT-
WOOD

FACE SHAPE

DRIFTWOOD DETAILS
↳ ORGANIC LAYERING OF
SHAPE

POTENTIAL FOR MORE LOOSE
SHAPE / LINE ABSTRACTION...

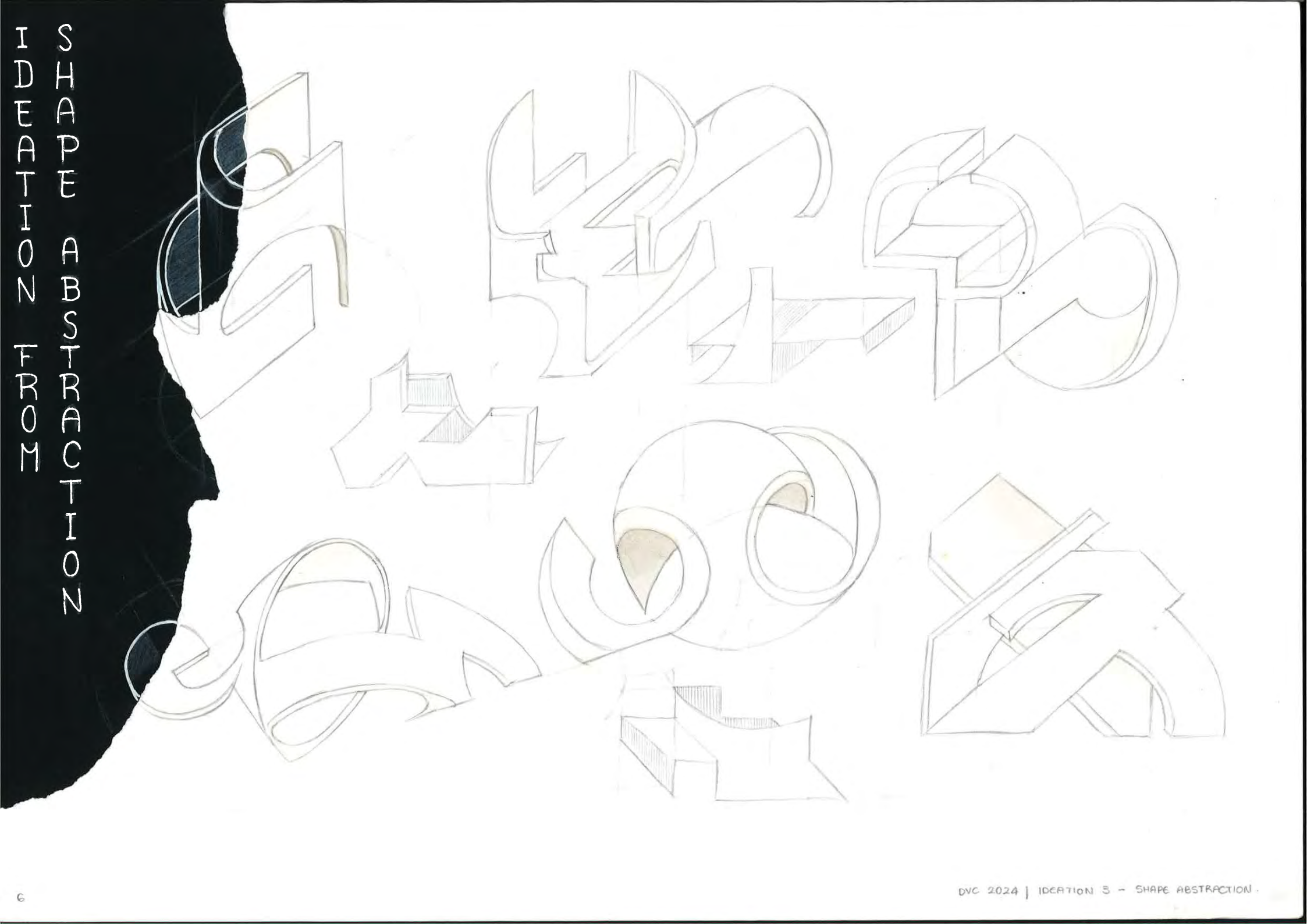
↳ FREE FORM ; CREATE
MORE NATURAL ORGANIC
FORMS

CH 12 12

CH 12 12

CH 12 12 12 12

CH 12 12 12 12

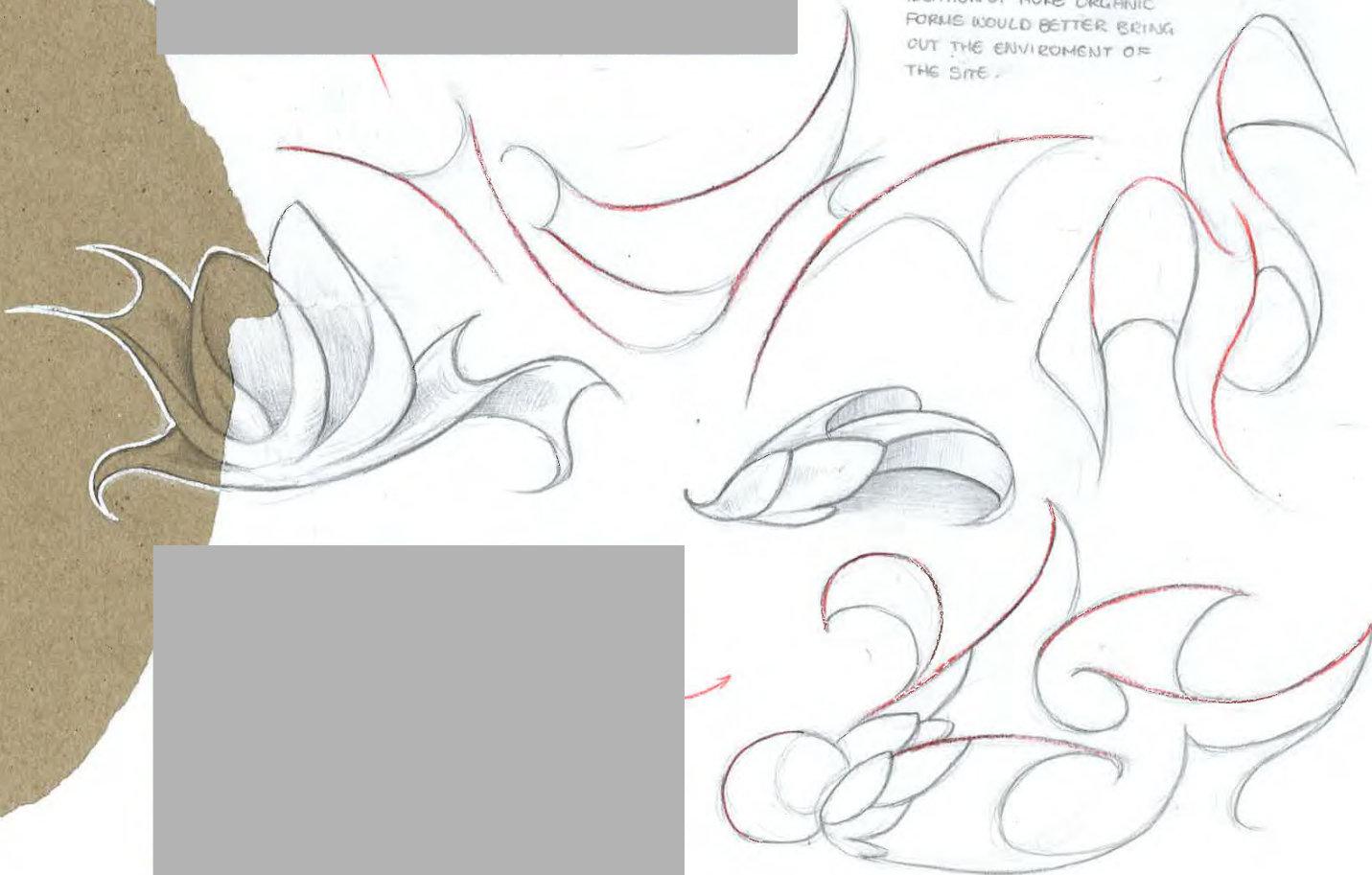


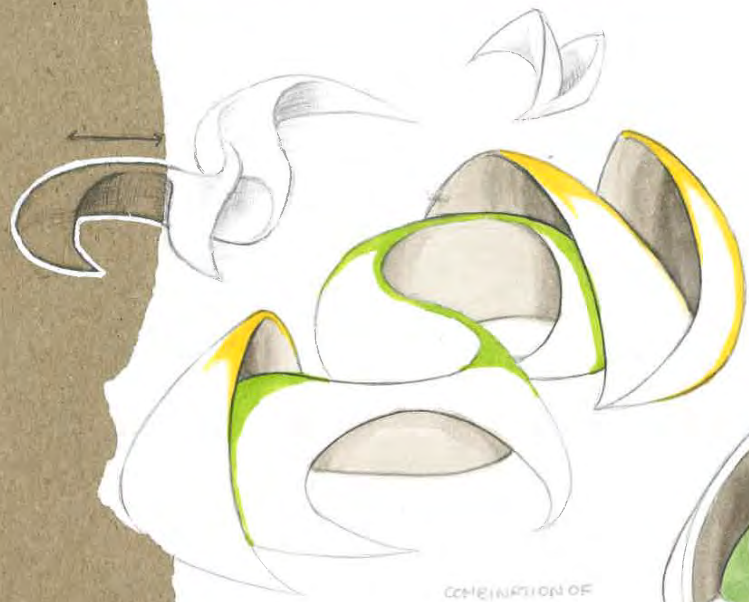
IDEATION 3 - SHAPE ABSTRACTION

THE BIRDS OF
TE WAIHORA



IDEATION OF MORE ORGANIC
FORMS WOULD BETTER BRING
OUT THE ENVIRONMENT OF
THE SITE





COMBINATION OF
PREVIOUS SHAPES.....



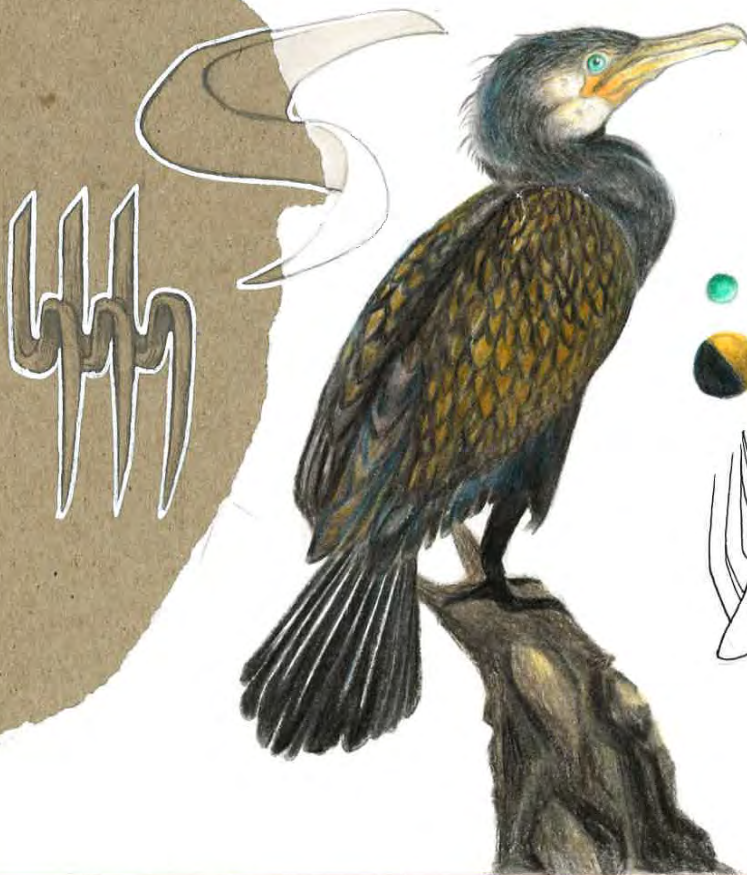
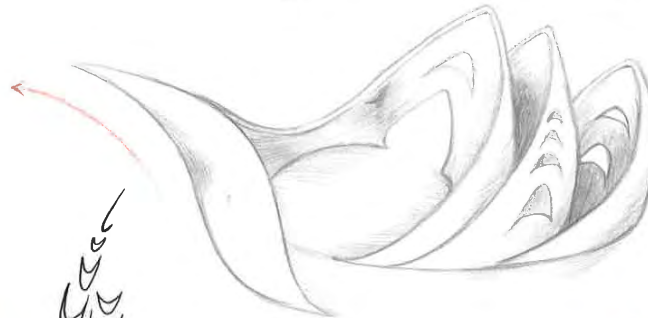
INCLUDE THE MOTION OF FEATHERS

↳ OVERLAPPING OF SHAPES & FORMS

TO REPRESENT THE MANY SPECIES
OF BIRDLIFE OF TE WAIHORA IN
THE DESIGN, A SENSE OF FLOW/
FLIGHT / MOTION NEED TO BE
FELT → ORGANIC.

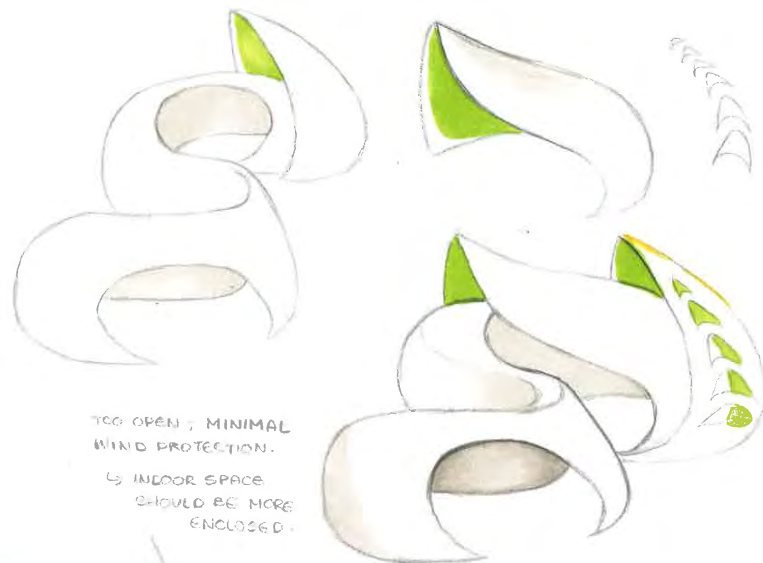


LAYERING + DETAILS



IDEATION

DEVELOPED

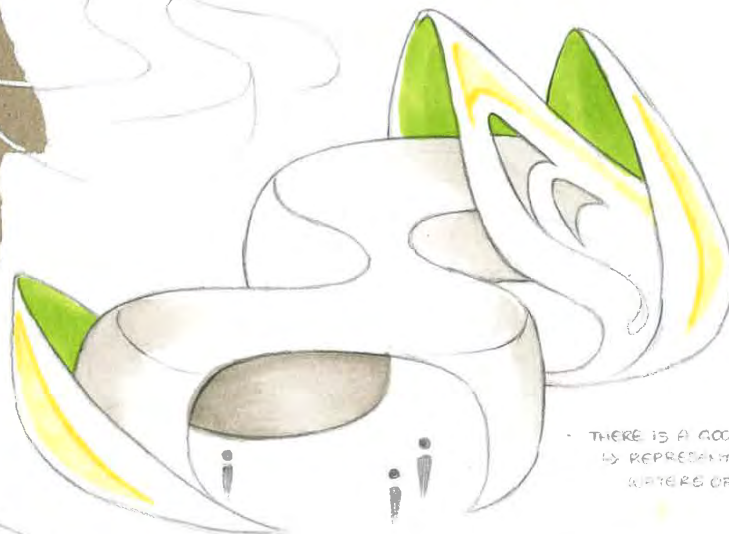


TOO OPEN ; MINIMAL
WIND PROTECTION.

↳ INDOOR SPACE
SHOULD BE MORE
ENCLOSED.



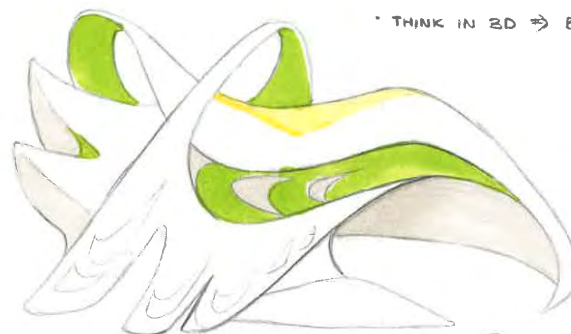
LAYERING OF MULTIPLE
DETAIL.



THERE IS A GOOD FLOW TO THIS
↳ REPRESENTATION OF THE
WATERS OF THE MANDRA.

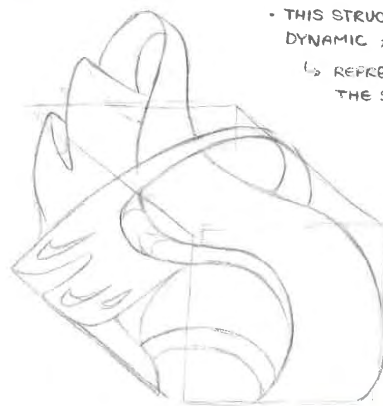
DUE TO THE LOW ELEVATION OF THE
SITE, THIS STRUCTURE NEEDS TO HAVE A
MORE ELEVATED FOUNDATION IN FSE -
CAUTION OF STORMS & FLOODING.

SIMPLIFY SHAPE
TO CREATE A MORE
ACCESSIBLE INTERIOR
SPACE. ↳ EASY TO
NAVIGATE.



THINK IN 2D ↳ BACK OF STRUCTURE
↳ NEED MORE SHAPING.

BASE NEED TO BE ELEVATED.
INTERIOR SPACE NEEDS TO BE
CONSIDERED MORE
↳ EXPAND.



THIS STRUCTURE FEELS
DYNAMIC ; BIRD-LIKE
↳ REPRESENTATION OF
THE SITE.



DIFFERENT
OVERALL SHAPE?

MORE SUITED FOR
EXTERIOR DESIGN
DETAILS

↳ FUNCTION AS
BUILDING IS
LIMITED.

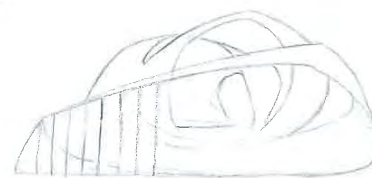
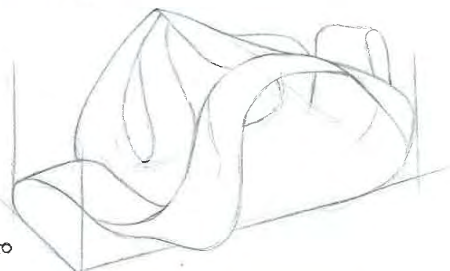
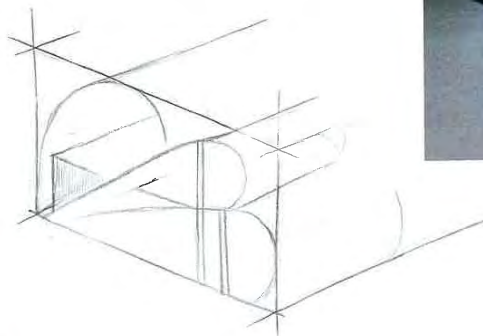


MORE ENCLOSED
↳ WIND PROTECTION.

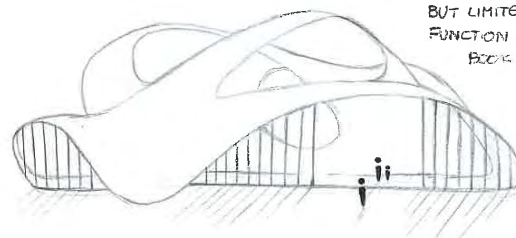
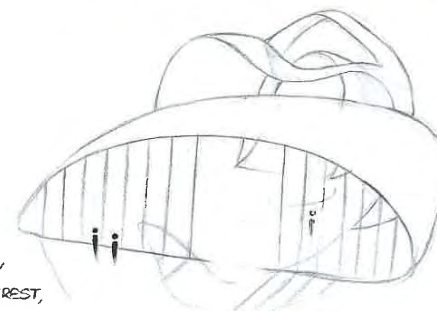


IDEATION

DEVELOPED

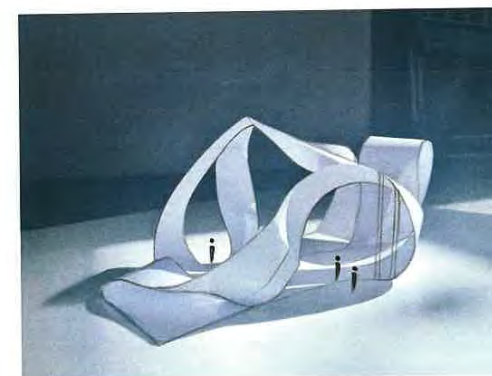
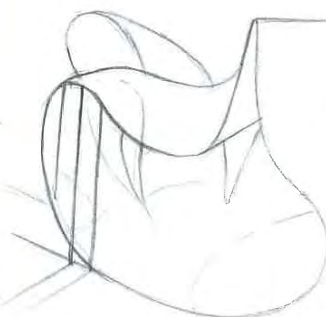


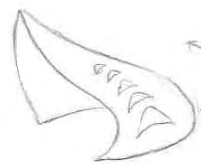
THERE IS VISUAL/
STRUCTURAL INTEREST,
BUT LIMITED PRACTICALITY/
FUNCTION AS INTENDED
BOOK SHOP.



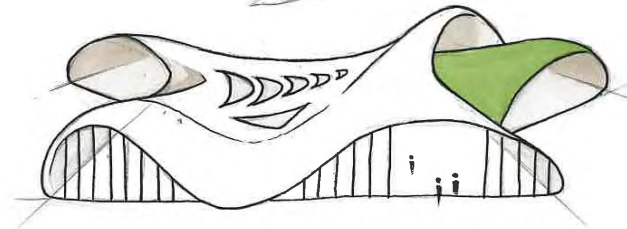
TOO MUCH OPEN
SPACE LEADS THE
STRUCTURE TO BE-
COME TOO EXPOSED TO
ENVIRONMENT

PLAY WITH SHADOW, SPACE & LIGHT ⇒ CREATE VISUAL INTEREST





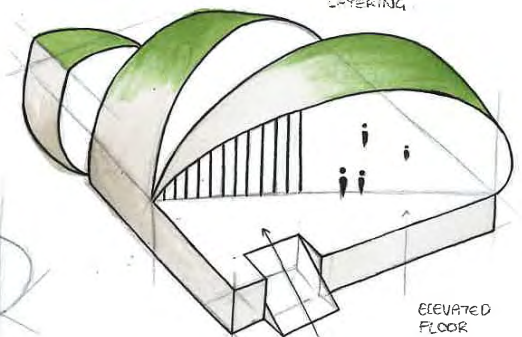
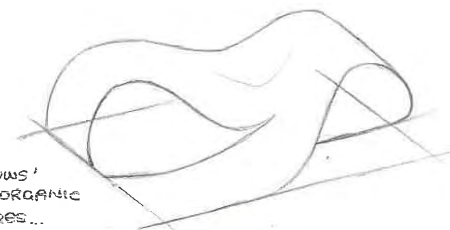
PATTERN FOLLOWING THE
FLOW OF THE SHAPE / STRUCTURE.



↳ LOWER / FLATTER STRUCTURE
PROVIDE BETTER RESISTANCE TO WIND
↳ RISK OF FLOODING...

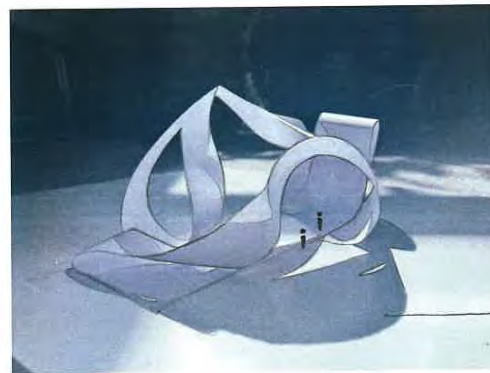
WIND 'FLOWS'
OF MORE ORGANIC
STRUCTURES...

↳ LESS FLAT SURFACE AREAS,



LAYERING

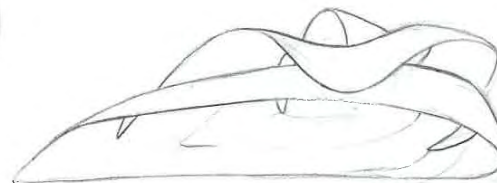
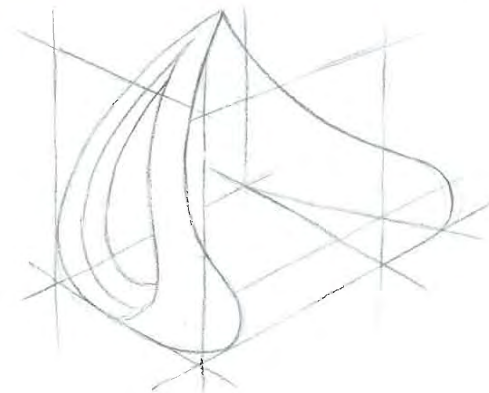
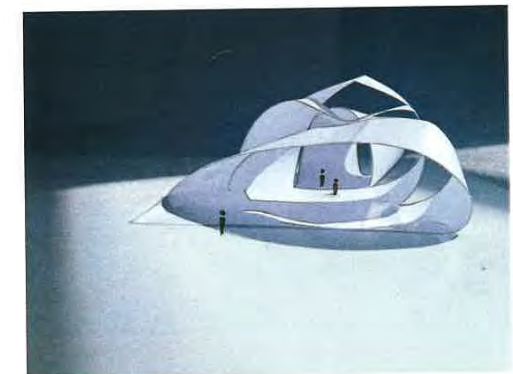
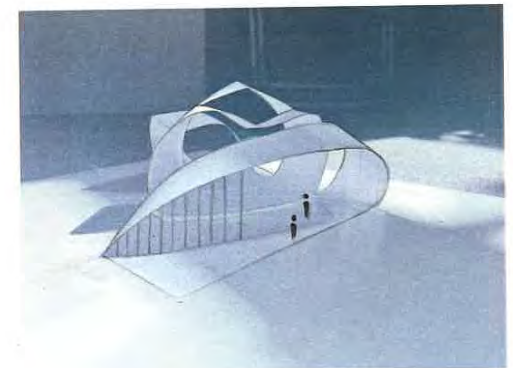
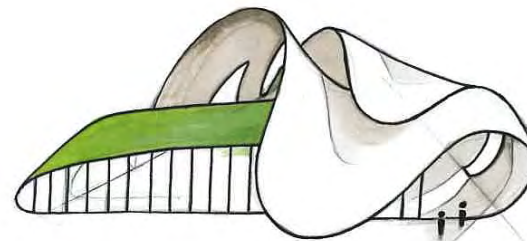
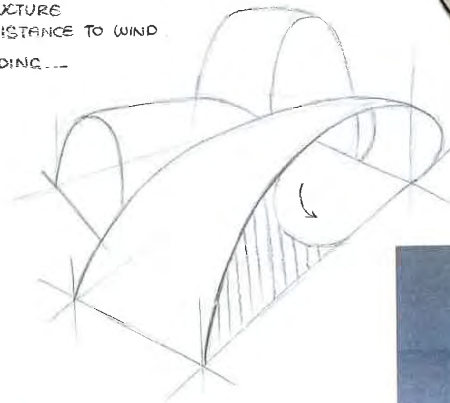
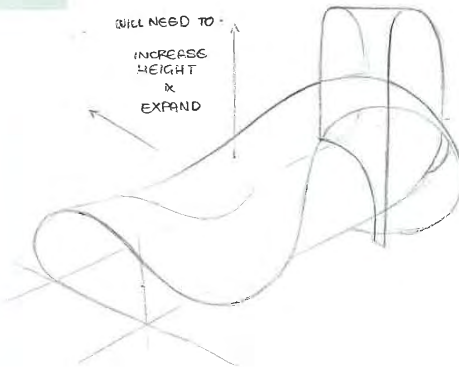
ELEVATED
FLOOR



CONSIDER SUN PATH /
LIGHT & THE SHADOWS
THAT THE STRUCTURE
CREATES

↳ BUILD ON THIS...

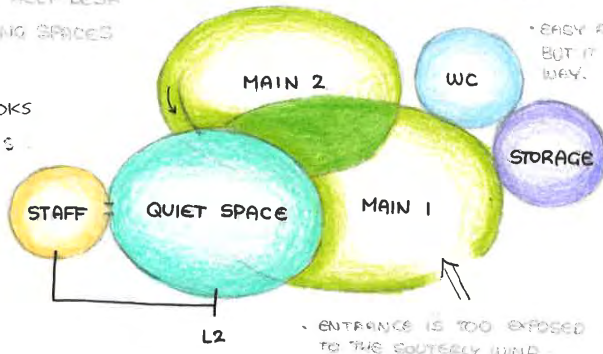
WILL NEED TO
INCREASE
HEIGHT
&
EXPAND



MAIN AREA

- ↳ LIBRARY : SHELVES
- ↳ COUNTER / HELP DESK
- ↳ OPEN READING SPACES
- QUIET SPACE
- ↳ READING NOOKS
- ↳ STUDY ROOMS

BUBBLE DIAGRAMS - SPACES



• PLACEMENT FOR L2 ACCESS WILL NOT TAKE UP SPACE

• EASY ACCESS TO THE TOILET BUT IT IS ALSO NOT IN THE WAY.

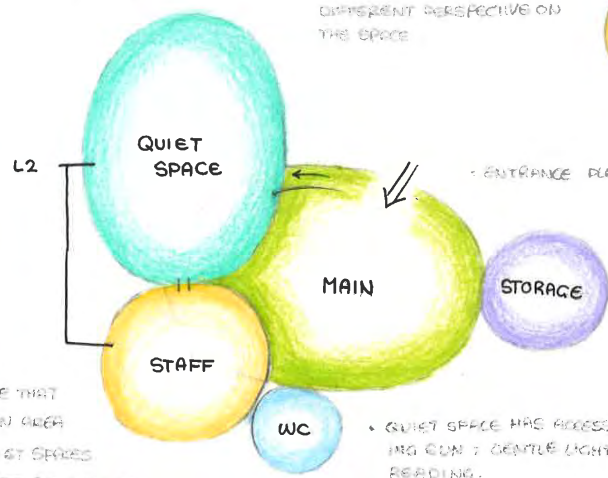
• ENTRANCE IS TOO EXPOSED TO THE SOUTHERLY WIND

DUE TO WINDS AND POSSIBLE STORMS, THE SECOND LEVEL SHOULD BE KEPT AS LOW AS POSSIBLE.

HAVING ANOTHER MAIN AREA OVERLOOKING THE MAIN ONE PROVIDES A DIFFERENT PERSPECTIVE ON THE SPACE

• NOT ENOUGH PROTECTION FROM THE SOUTHERLY WIND

↳ BUILDING CAN BE TURNED UPWARDS MORE; LESS EXPOSED ENTRANCE



• ENTRANCE PLACEMENT IS SHELTERED FROM BOTH NW & S WINDS

• EASY ACCESS TO STORAGE FROM MAIN AREA BY STAFF

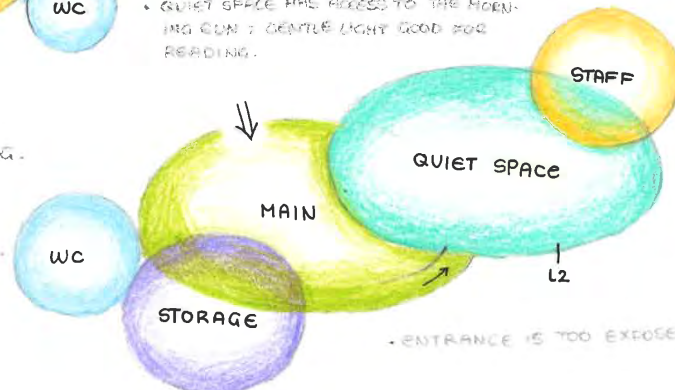
• QUIET SPACE HAS ACCESS TO THE MORNING SUN & GENTLE LIGHT GOOD FOR READING.

HAVE A MORE OPEN L2 SPACE THAT OVERLOOKS MAIN AREA

↳ BUT L2 QUIET SPACES MIGHT NOT BE ABLE TO BE TOO QUIET DUE TO CONNECTION WITH THE MAIN AREAS

↳ CONSIDER SOUND PROOFING

CURRENT MAIN AREA DOES NOT PROVIDE ENOUGH SPACE FOR REQUIRED ELEMENTS

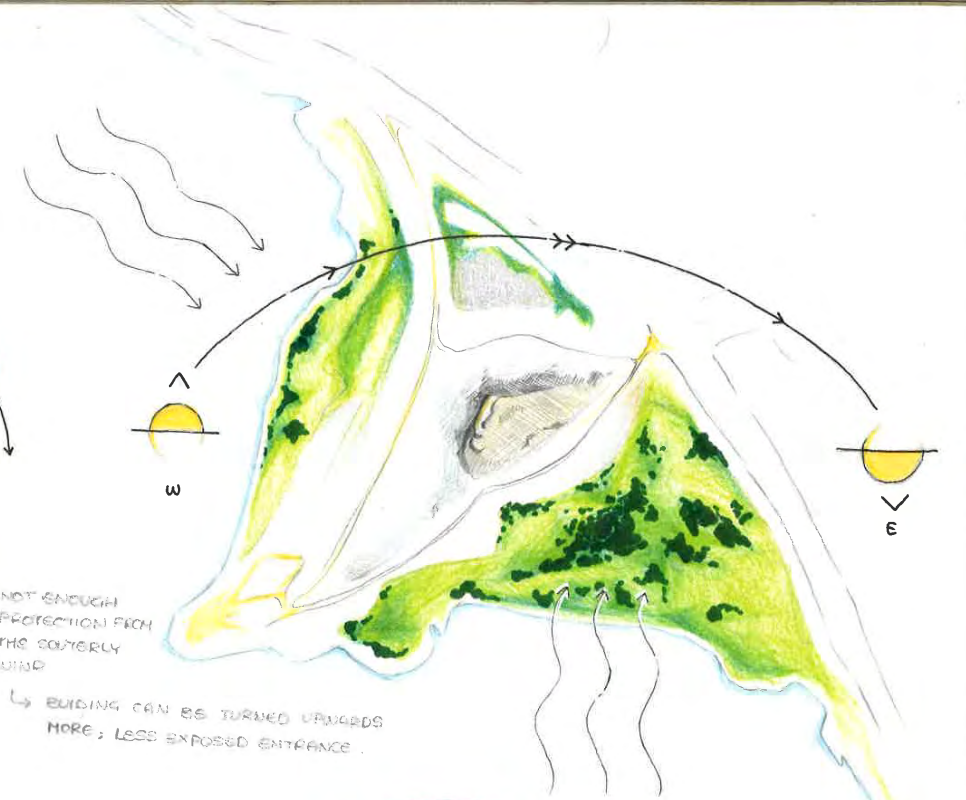


• ENTRANCE IS TOO EXPOSED TO THE NORTH WESTERLY WIND

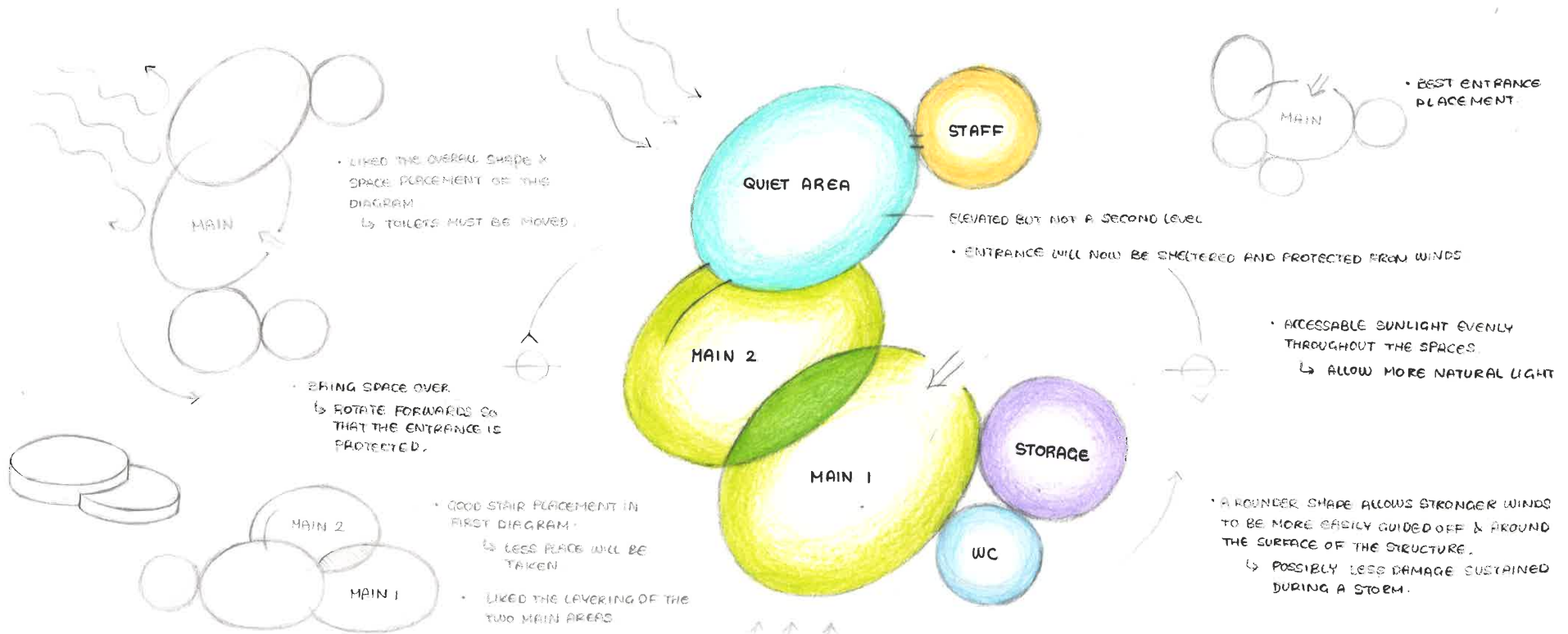
• PLACING STAFF ROOM BY QUIET SPACE PROVIDES MORE RELAXING AREA TO REST & TAKE BREAKS

• INCONVENIENT PLACEMENT OF TOILETS... ↳ HOWEVER PROVIDE BETTER AIR FLOW

• IF BUILDING EXTERIOR ROUNDED OVER MORE COULD BLOCK SOUTHERLY WIND



BUBBLE DIAGRAM DEVELOPMENT



FACING THE LAKE CAN PROVIDE THE BEST VIEW

MORE WINDOWS TOWARDS THE BACK OF THE STRUCTURE



BUILDING FLIPPED TO MATCH EXISTING PATH

FACING AN EXISTING PATH, AND THE ENTRANCE; MOST PROTECTED FROM THE WINDS

BUT THIS IS ON TOP OF NATIVE ROUGH AND IS AT THE LOWEST ELEVATION SO FLOODING DANGER INCREASED



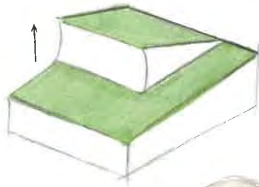
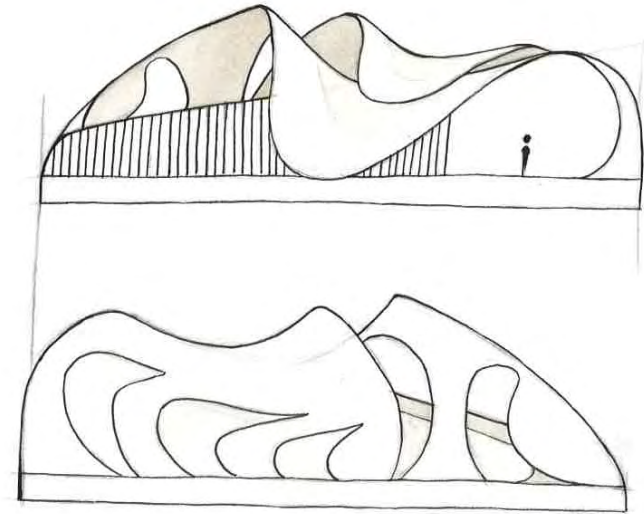
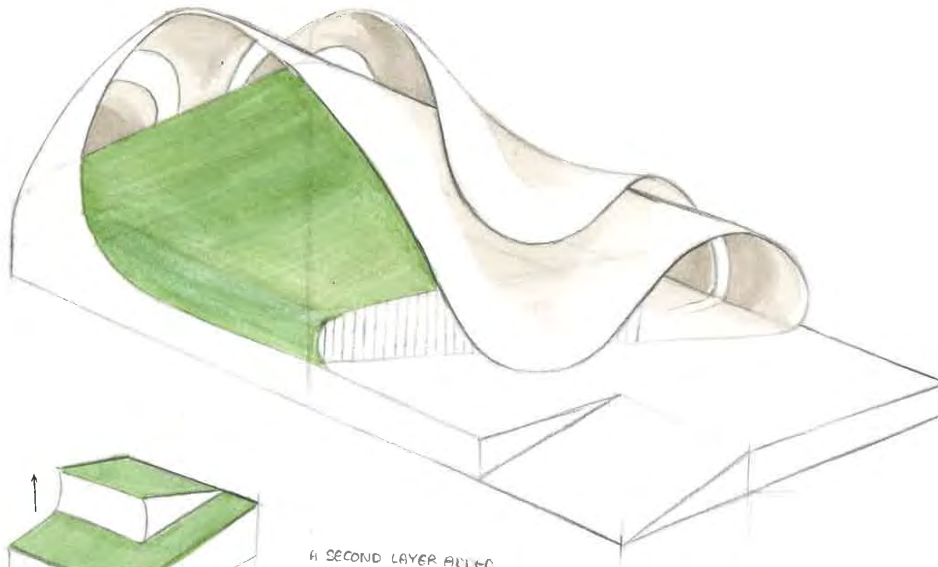
A FLATTER LAND; PROVIDES MORE STABLE FOUNDATION

FURTHER INLAND MEANS A HIGHER ELEVATION; FLOOD PREVENTION

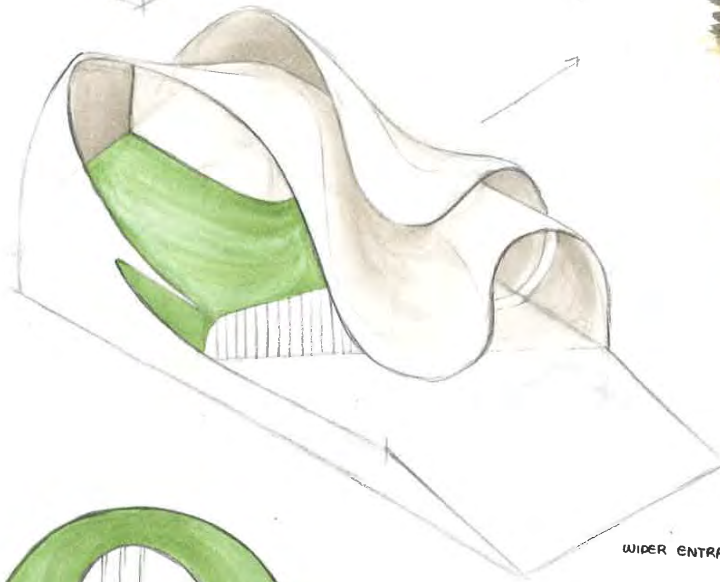
NEW PATH CAN BE CREATED TO BETTER BUILDING; MINIMAL DISRUPTION TO THE SURROUNDING ENVIRONMENT

DEVELOPMENT

INITIAL IDEA



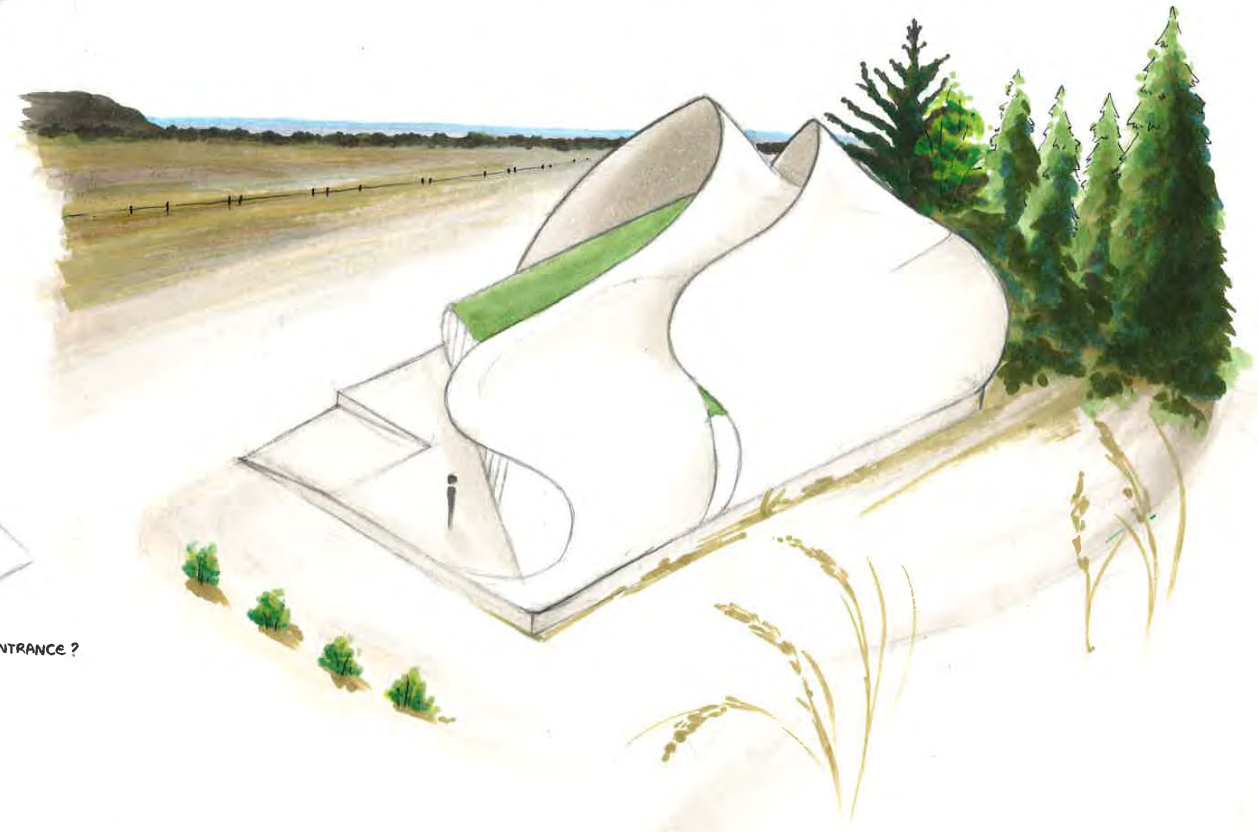
A SECOND LAYER ADDED
TO INCREASE ROOF / CEILING
HEIGHT ; POSSIBLE 2ND FLOOR ?

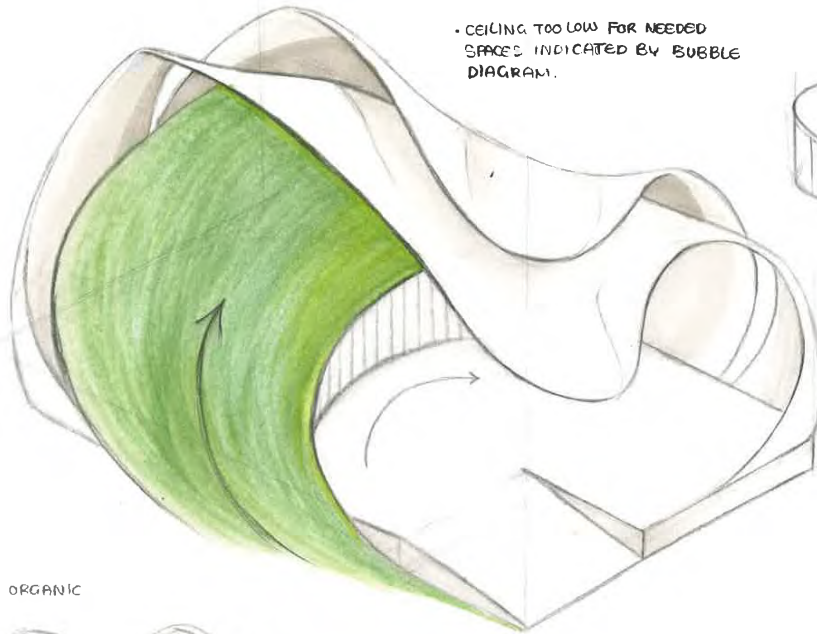


WIDER ENTRANCE ?



COULD HAVE THE EXTERIOR BE APART OF
THE SITE ?
↳ CURVED TO FOLLOW MORE OF THE BUBBLE DIAGRAM





INTERIOR - ORGANIC



POSSIBLE EXTERIOR CLADDING MATERIAL



• CONCRETE



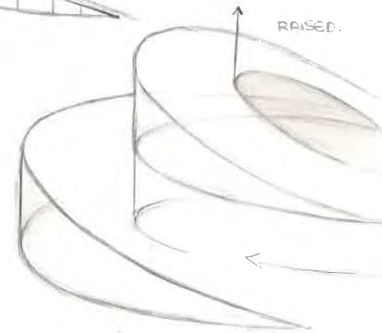
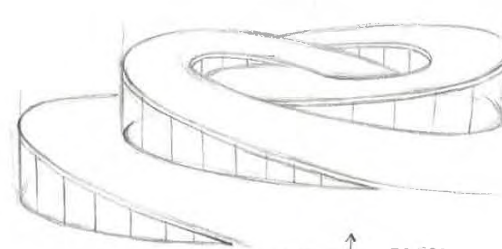
• SHOTCRETE
↳ FOR MORE ORGANIC FORMS



• TIMBER
↳ DUE TO THE ENVIRONMENT;
WET WEATHERS; WOULD REQUIRE
A LOT OF MAINTENANCE, SO
TIMBER IS BEST LEFT FOR
INTERIOR

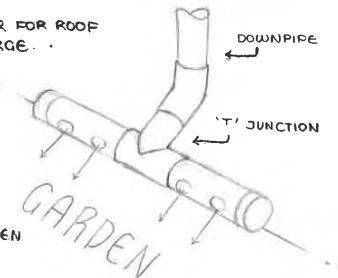


• NATIVE BUSH / FOLIAGE FOR A 'GREEN ROOF'.
↳ CREATING A STRUCTURE; ENVIRONMENT THAT IS CO-
HESIVE WITH THE SITE. BRING BACK THE 'NATURE' OF
THE NATIVE ECOSYSTEM.

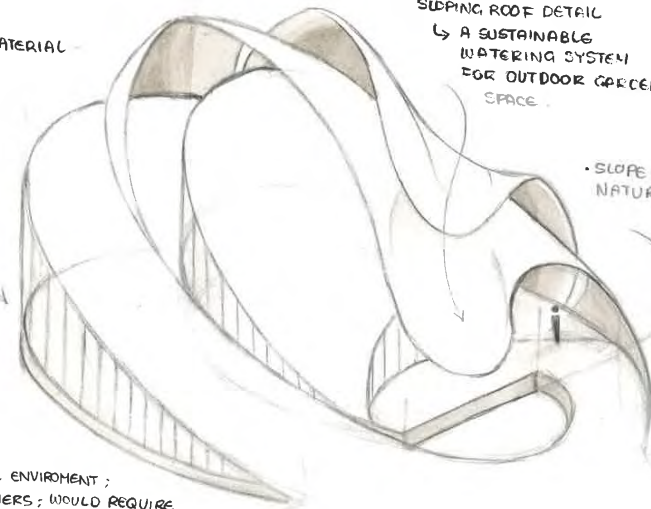


SPREADER FOR ROOF
DISCHARGE.

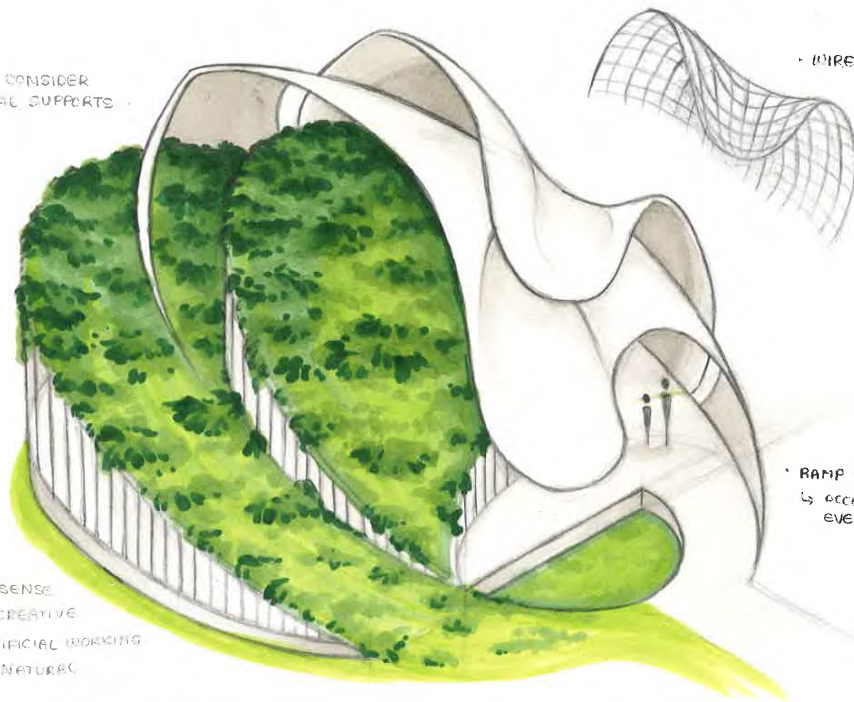
SPREADER CAN BE
INTERPRETED INTO THE
SLIPING ROOF DETAIL
↳ A SUSTAINABLE
WATERING SYSTEM
FOR OUTDOOR GARDEN
SPACE.



• SLOPE OF THE ROOF DESIGN PROVIDES
NATURAL WATERING PATH



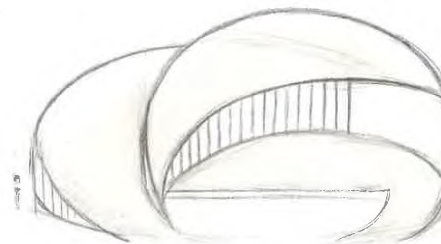
NEED TO CONSIDER
STRUCTURAL SUPPORTS



BEING CLOSE TO
NATURE ENVOY SENSE
OF CALMNESS & CREATIVE
INTEREST ; ARTIFICIAL WORKING
ALONGSIDE THE NATURAL

• WIRE FRAMING

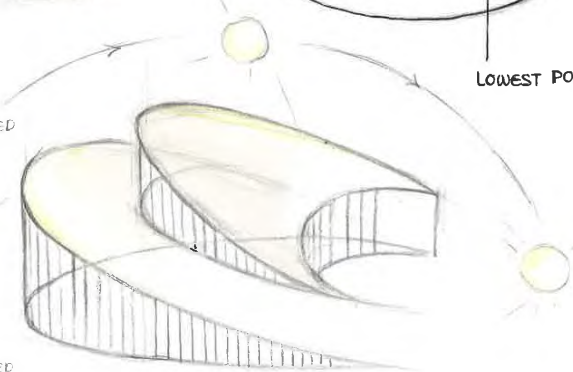
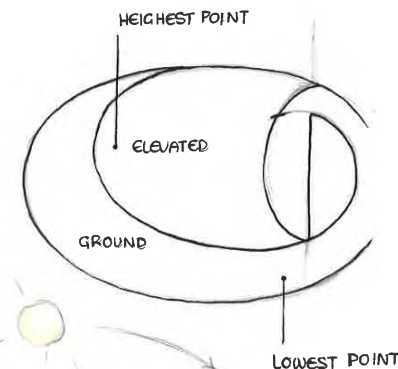
• RAMP TO ENTRANCE
↳ ACCESSIBLE FOR
EVERYONE



• AT THE LOWEST POINT, CEILING
HEIGHT CANNOT FIT AVERAGE
ADULT HEIGHT
↳ WILL NEED TO BE CONSIDERED
FOR THE FLOOR PLAN

NATURAL SUN-
LIGHT ACCESS

↳ HOTTEST AFTERNOON
SUN SHOULD BE FACE
TOWARDS THE MORE SHELTERED
SIDE OF THE BUILDING ; NOT HARSH
ON VISITORS



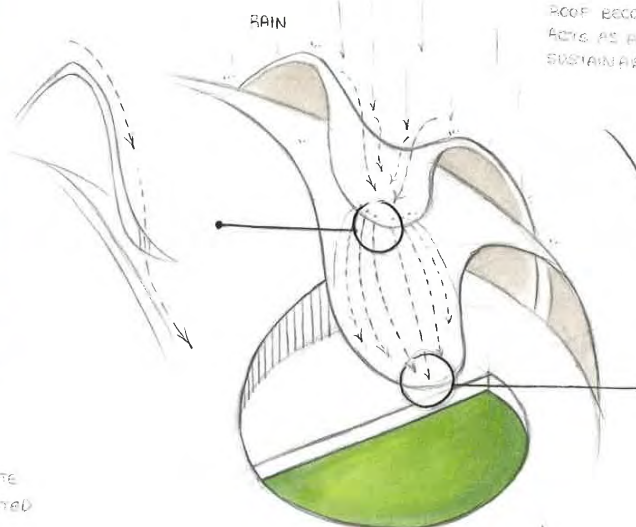
POSSIBLE MEZZAINE FLOOR

ELEVATED

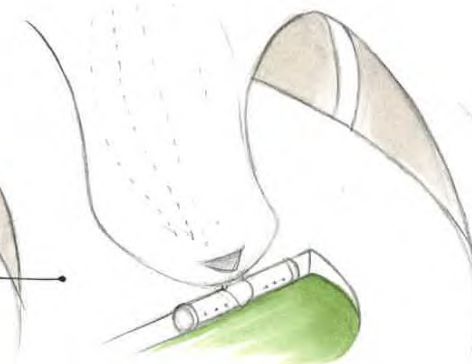
GROUND FLOOR

WINDOW PATTERN :
↳ BRING IN MORE IDEAS FROM
NATIVE BIRD IDEATION.
↳ INTERESTING
SHADOWS

• HAVE ROOF DETAIL
COME AROUND THE RAMP
AS PROTECTION & SUP-
PORT



ROOF BECOMES SPREADER ;
ACTS AS A WATER FEATURE &
SUSTAINABLE WATERING SYSTEM



LIBRARY IN THE EARTH / HIROCHI NAKAMURA & NAP

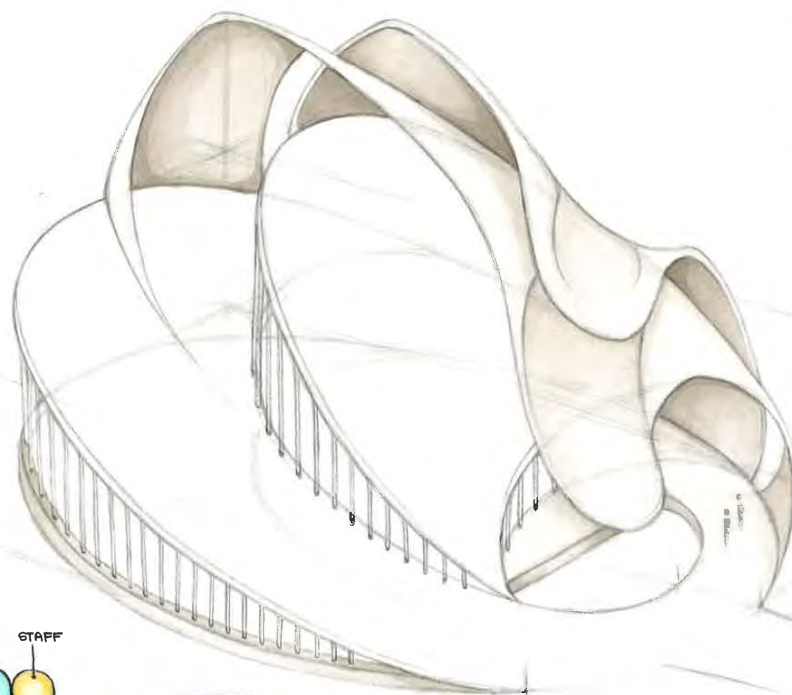
• DUE TO THE NATURE OF THE KAITUNA QUARRY (BEING BESIDE
LAKE & HAVE RISK OF FLOODING) , I WOULD NEED TO STILL ELEVATE
THE BUILD BUT OVERGROWN / ENVIRONMENT CAN BE INCORPORATED
TO THE ROOF.

↳ BRING BACK AS MUCH NATURAL SURROUNDING

↳ ALLOWS READERS / WRITERS / VISITORS OF THE SPACE TO FEEL MORE
CLOSE TO THE NATURAL ENVIRONMENT ; INSPIRATION .

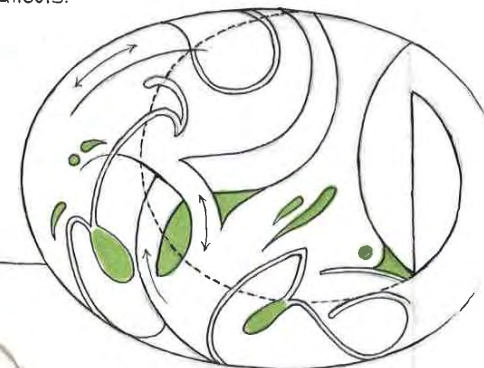
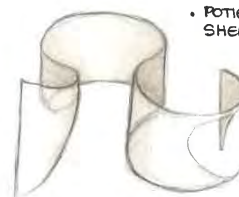
DVC 2024 | DEVELOPMENT - EXTERIOR 2 .

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12 12

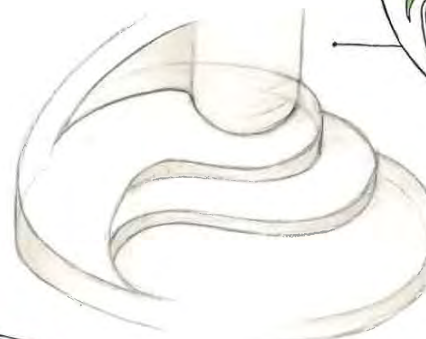


POTENTIAL SEATING & SHELFING LAYOUTS.

(INTERIOR NEEDS TO BE MORE NAVIGABLE.)

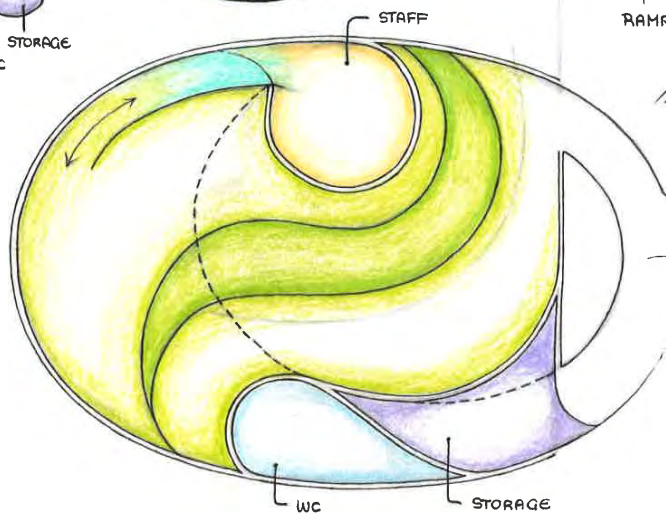
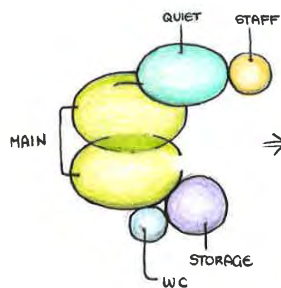


INTERIOR GREEN SPACES
↳ EXTERIOR WATERING SYSTEM; RAINCHAINS



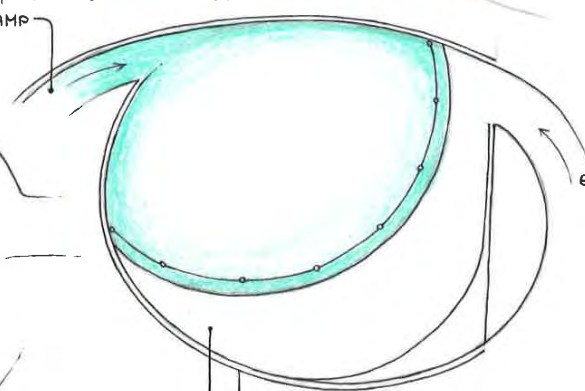
OPEN SPACE
↳ COMMUNITY AREA?

LESS CROWDED SPACES
↳ BUT NOT ENOUGH SHELFING / SEATING ...



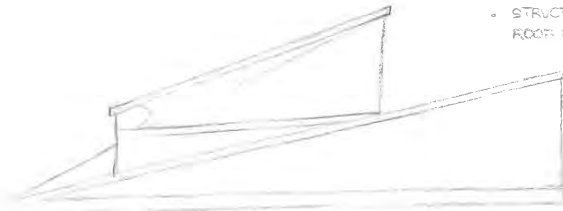
→ ACCESS BETWEEN ALL LEVELS

RAMP



ENTRANCE

WINDOWS ALL AROUND
SECOND LEVEL NOT A FULL FLOOR
↳ OVERLOOKS THE GROUND; NEED SOUNDPROOFING.



• STRUCTURE WITHOUT EXTERIOR ROOF DETAILS.

1700

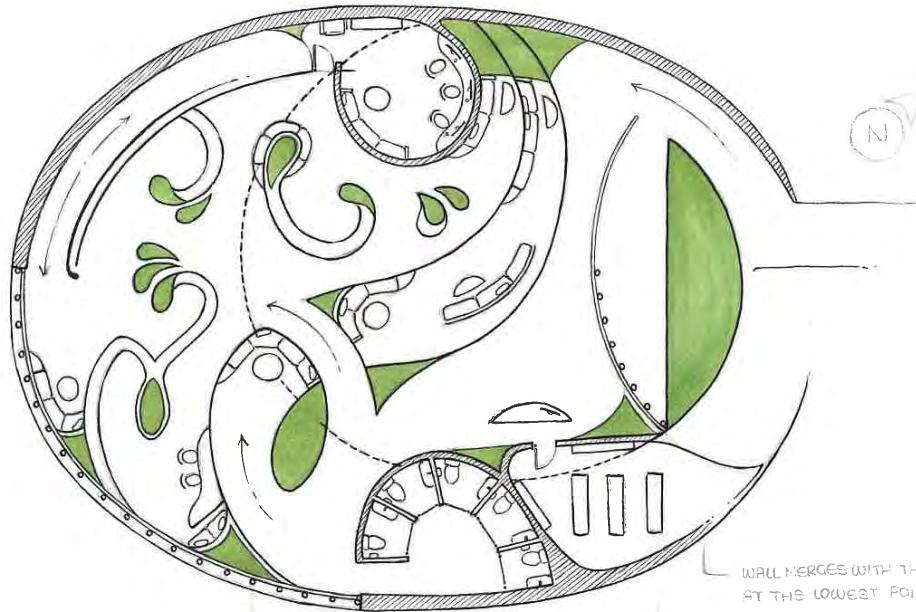
SIZE CONSIDERATIONS: 76 x 35 METRES
→ 2600 SQ. METRES. (ESTIMATIONS)



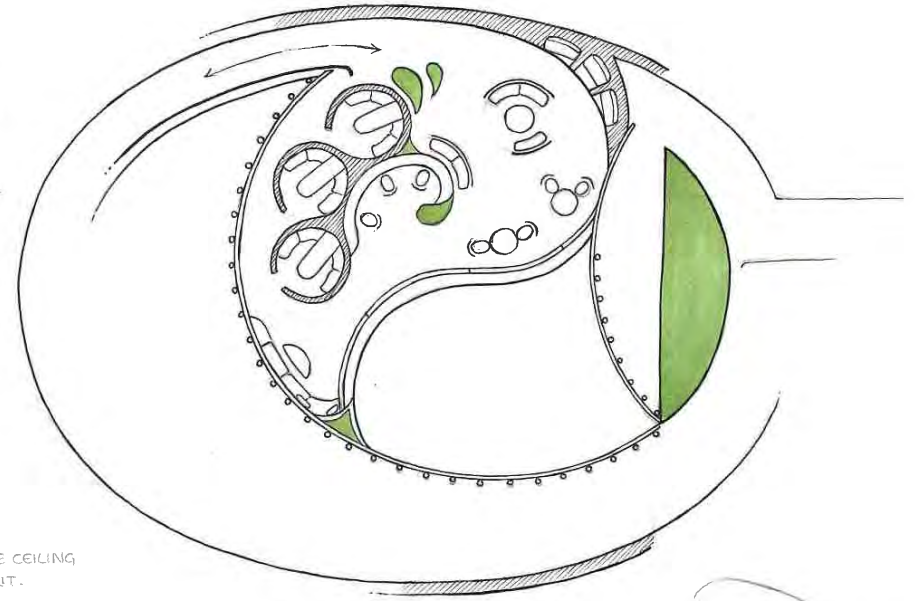
• WALL DESIGN BECOMES THE WALL FOR THE BUILDING.



• VARIATION ON WINDOW DESIGN MORE CLOSELY RESEMBLES THE FEATHER PATTERN OF A BIRD

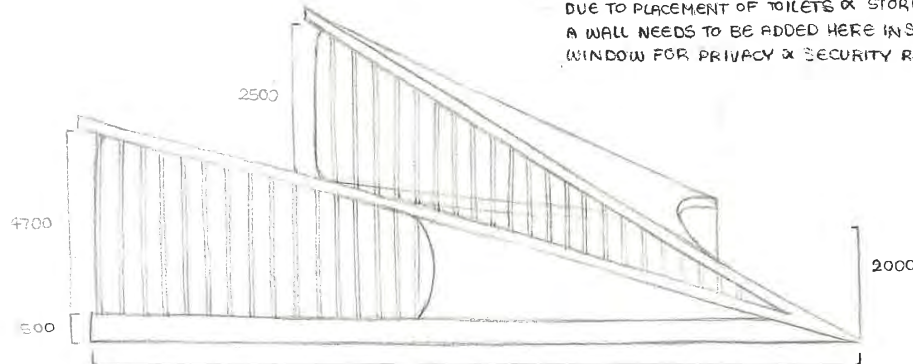
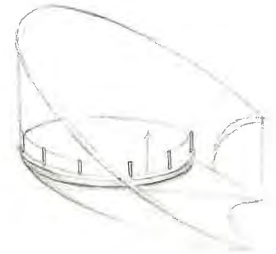


WALL MERGES WITH THE CEILING AT THE LOWEST POINT.



DUE TO PLACEMENT OF TOILETS & STORAGE A WALL NEEDS TO BE ADDED HERE INSTEAD OF WINDOW FOR PRIVACY & SECURITY REASONS.

FOR THE MEZZANINE FLOOR, CHANGED TO AVOID THE LOWEST POINT AS THAT IS IT DOES NOT FEEL TO BRANCH.



(NOT TO SCALE)

SPACES & INTERIOR LAYOUTS

To create a successful communal study/library interior space, it should feel open so that it is easily navigatable and accessible. However, seating is a necessity as well as table spaces; quiet corners/rooms should also be provided for group meetings or individual privacies.

As everyone studies/works differently, so a range of tables and seating types will be considered. Such as combination of soft seating (lounge seating, couches, and sofas) and hard seating (tables and chairs). And the seating, in terms of furniture, can be designed to be within the shelving--alcoves.

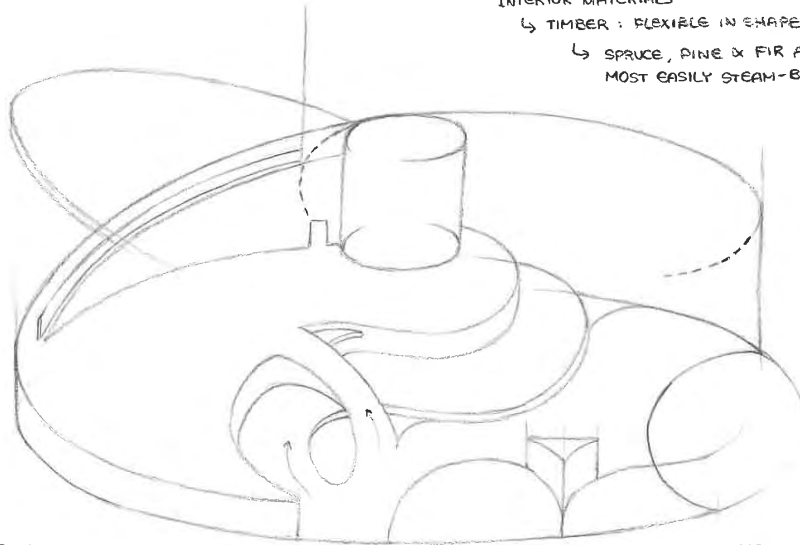
The interior should also bring in elements of the outside, such as indoor gardens and greenery.

Research from the University of Exeter shows that "indoor plants can increase your productivity by up to 47%. Additionally, you could get a 20% boost in memory meaning...", with reasons being that the smell of plants providing a calming effect. But there is also the possibility that the balance they provide between the carbon dioxide that is breathed out and the oxygen they give off helps our bodies thrive.

In terms of natural sounds, water features can act as white noise that improves focus.

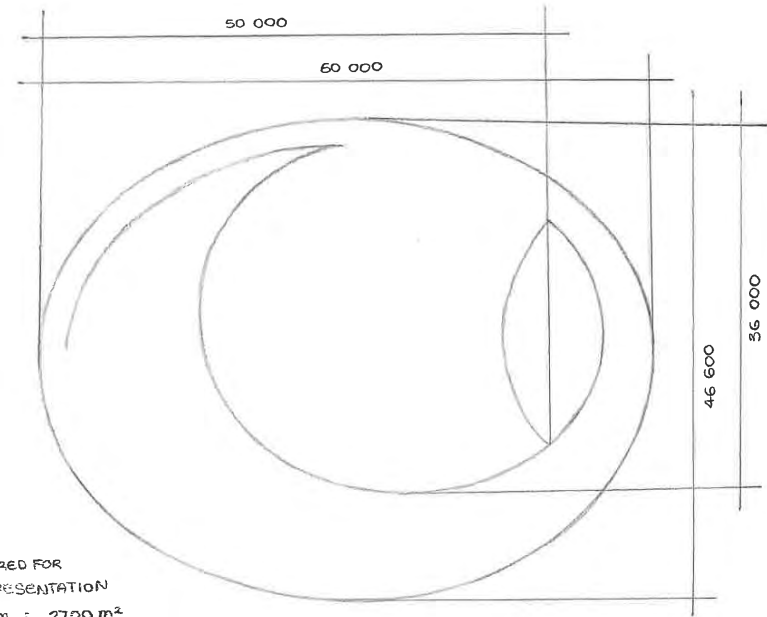
DEVELOPMENT

INTERIOR



INTERIOR MATERIALS

- ↳ TIMBER : FLEXIBLE IN SHAPE
- ↳ SPRUCE, PINE & FIR ARE MOST EASILY STEAM-BENT

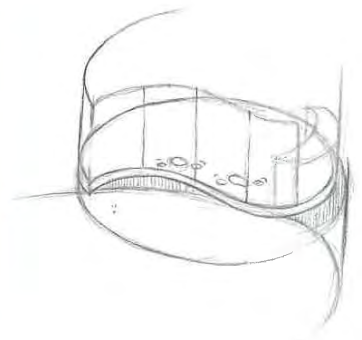
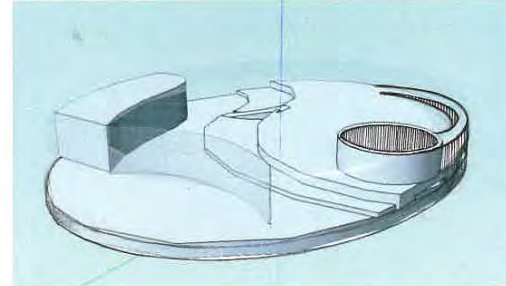
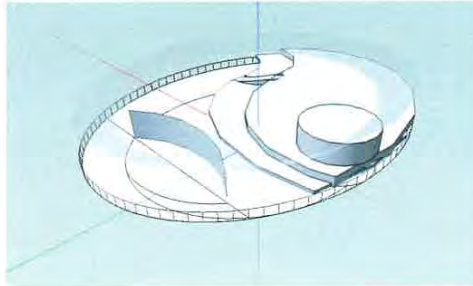
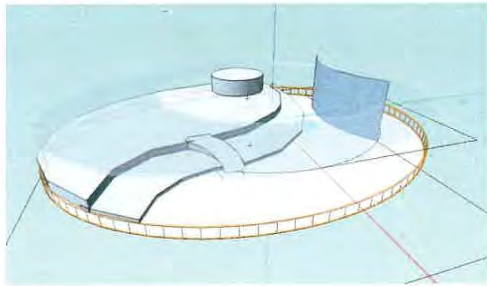


RAMPS ARE USED TO MAXIMISE ACCESSIBILITY

- ↳ INSURE NO SPACE / EMPTY WALL IS WASTED; GETTING WITHIN WALL OF THE L1 TO 2 RAMP

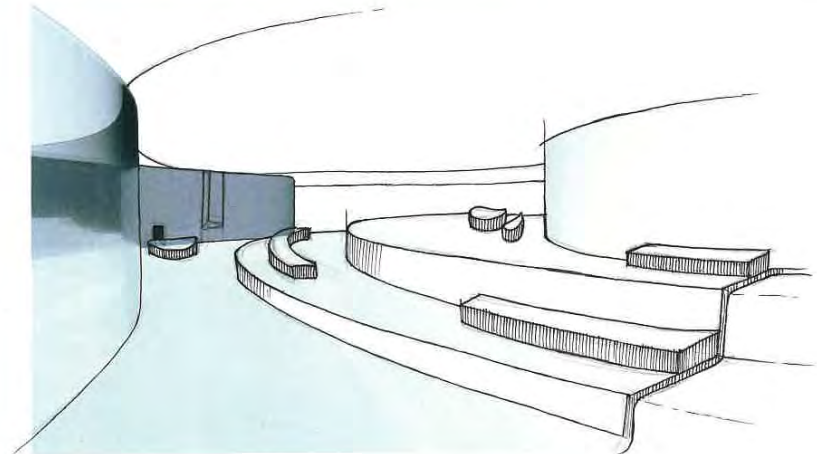
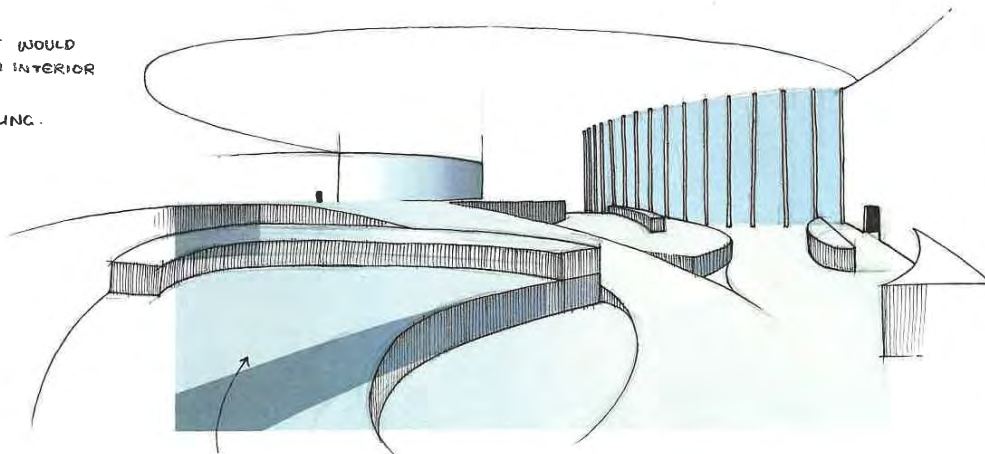
MEASUREMENT ALTERED FOR BETTER SHAPE REPRESENTATION

- ↳ 60m x 46m ; 2700 m²
- ↳ USEABLE INTERIOR SPACE : 50 x 46 ; 2300 m² (MAX)



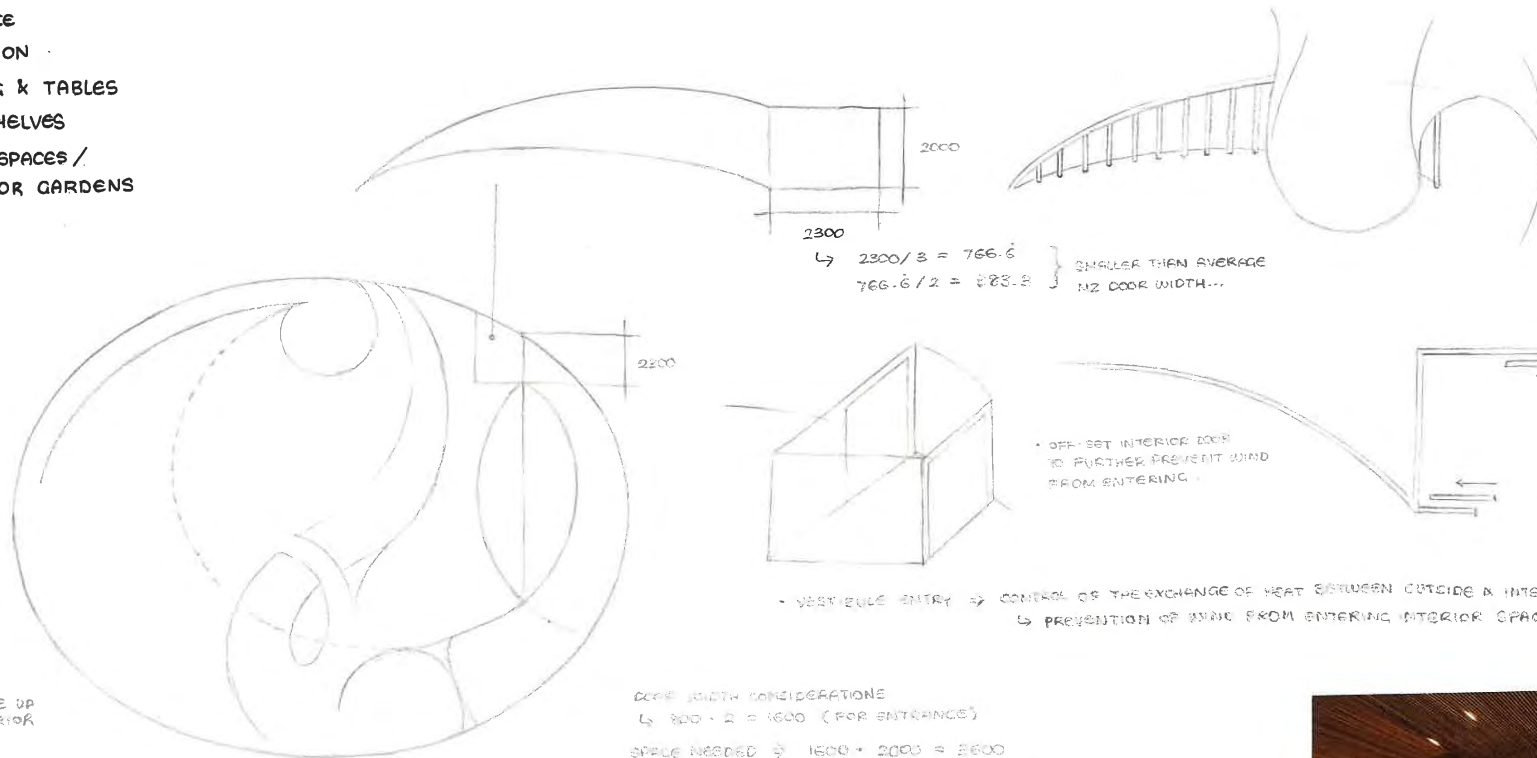
BOOKSHELF HEIGHT WOULD VARY DEPENDING ON INTERIOR ROOF HEIGHT

- ↳ FLOOR TO CEILING.

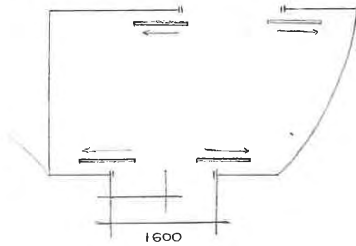
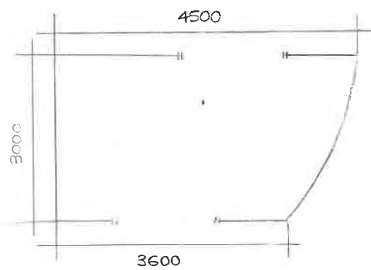


INTERIOR MAIN AREA

- ENTRANCE
- RECEPTION
- SEATING & TABLES
- BOOK SHELVES
- GREEN SPACES / INTERIOR GARDENS



SHOULDN'T TAKE UP TOO MUCH INTERIOR SPACE.



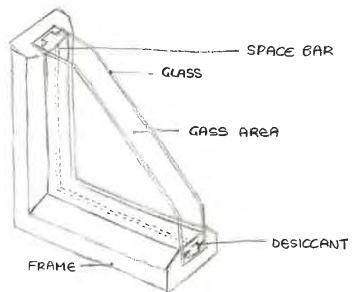
DOOR WIDTH CONSIDERATIONS

↳ $800 \times 2 = 1600$ (FOR ENTRANCE)

SPACE NEEDED: $1600 \times 2000 = 3200$

↳ ENOUGH SPACE FOR DOUBLE SLIDING DOOR

STEAM-BENT TIMBER



DOUBLE GLAZED WINDOWS

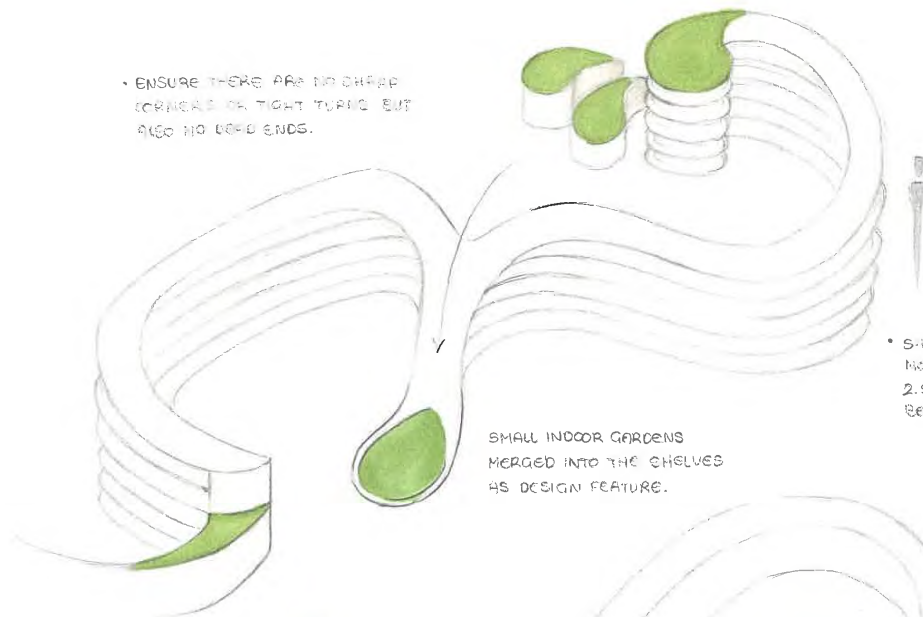
↳ THERMAL INSULATION; RETAIN HEAT IN A ROOM & STOP COLD AIR FROM ENTERING

↳ ENERGY-EFFICIENCY



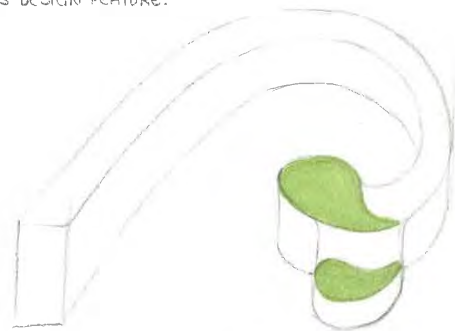


- ENSURE THERE ARE NO SHARP CORNERS OR TIGHT TURNING BUT ALSO NO DEAD ENDS.

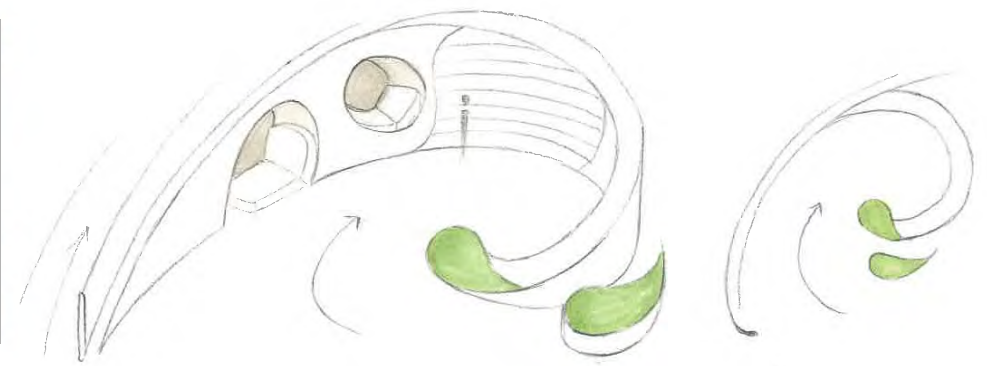


SMALL INDOOR GARDENS
MERGED INTO THE SHELVES
AS DESIGN FEATURE.

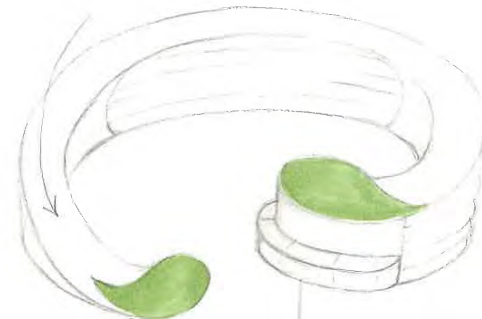
- SHELFING HEIGHT SHOULD NOT BE HIGHER THAN 2.5M, OTHERWISE IT WOULD BECOME INCONVENIENT.



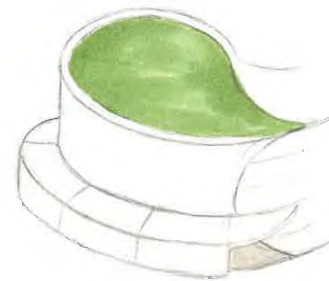
BOOK SHELFING ENDS
AT THE CURVED CORNERS
↳ DESIGN MATCH EXTERIOR



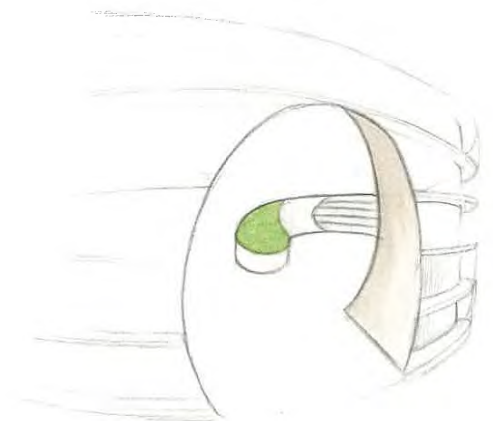
- EMPTY WALLS OF THE STAIRWAY COULD BE MADE INTO A COZY NOOK SPACE WITH THE ADJACENT BOOK-SHELVES



ADDITIONAL SEATING
ADDED TO THE SHELVES



IF THE SHELF HEIGHT IS ABOVE 2.5M, THEN FOR EASIER NAVIGATION THROUGH THE MAIN AREA ARCHWAYS SHOULD BE ADDED INTO SHELVES.



SEATING

- ↳ STANDARD (WITH TABLES)
- ↳ BEANBAGS / FLOOR
- ↳ COUCHES & SOFAS
- ↳ NOCKS

DUE TO PEOPLE HAVING DIFFERENT SEATING PREFERENCES WHEN STUDYING: OPTIONS WILL BE KEPT OPEN

MATERIAL CONSIDERATION



LIBRARY IN THE EARTH

- STUDY "ROOMS"
- ↳ SECOND FLOOR QUIET SPACES

LIGHTS / LAMPS

↳ SWITCHES & POWER PORTS

- MORE SUITABLE AS READING SEATING THAN STUDY AREA

BRING THE NATURE OF THE OUTSIDE INSIDE
↳ IMPROVE FOCUS

CHARGING PORTS

TABLES CURVE WITH / ALONG SIDES & WALLS

SUITABLE FOR GROUP STUDY SESSIONS.

PIECES OF CHAIR SLOTS TOGETHER

ACTS AS A NAIL WOULD TO HOLD PIECES TOGETHER

NO NAILS USED

↳ TRADITIONAL JAPANESE CONSTRUCTION TECHNIQUES?

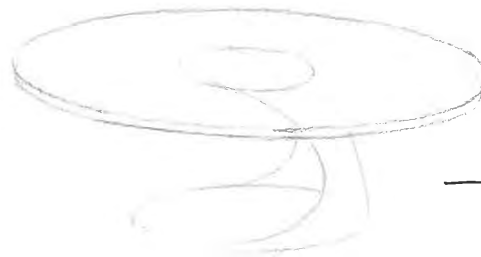
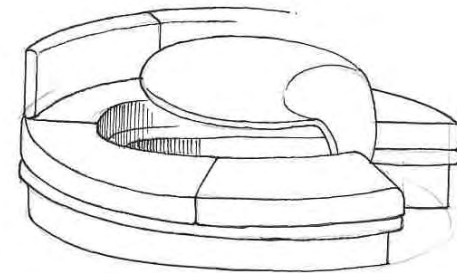
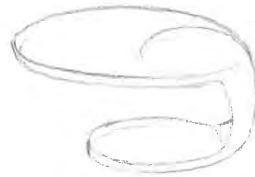
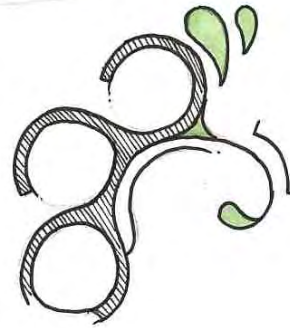
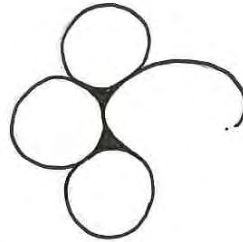
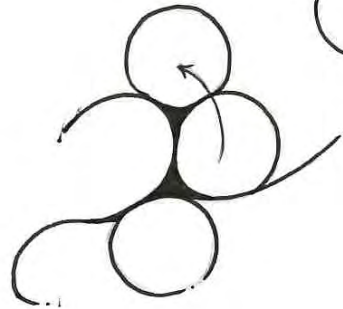
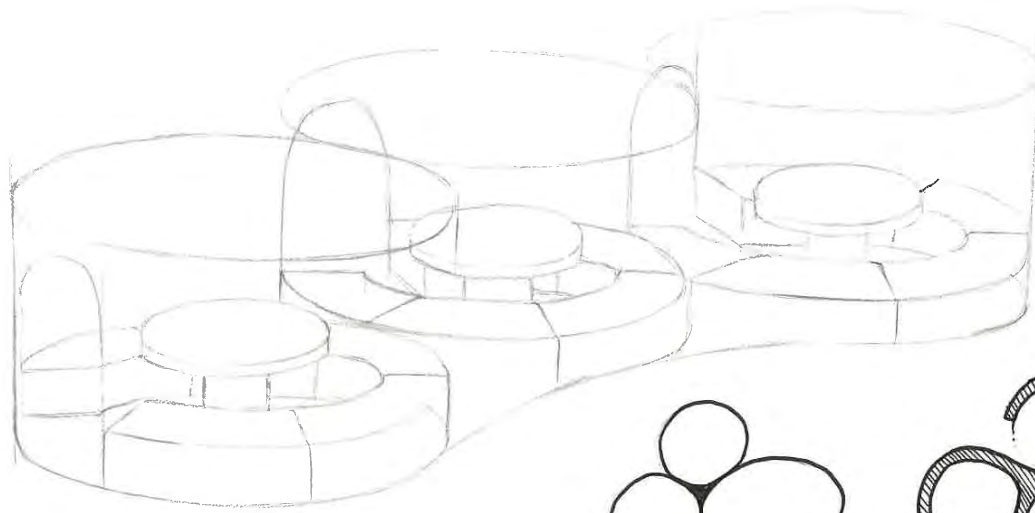
MINIMALISE SHARP CORNERS

↳ YOUNGER CHILDREN / GENERAL SAFETY.

POSSIBLE PALETTE



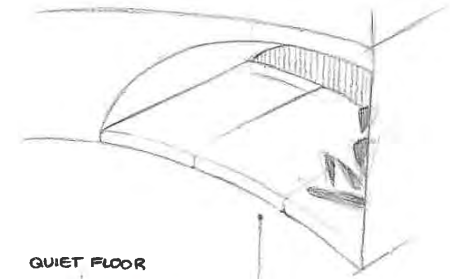
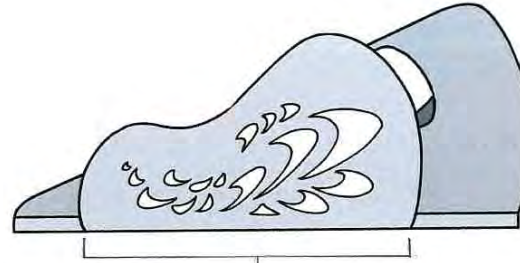
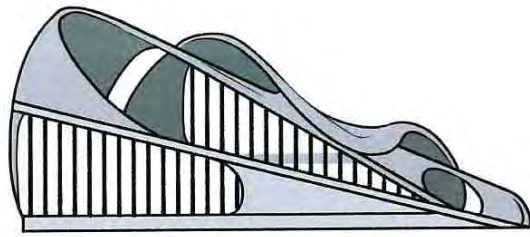
- STUDY ROOMS
- TABLE / SEATING ARRANGEMENT
- SOUND PROOFING



— ALLOW CHAIR TO BE PLACED ALL AROUND TABLE



FINAL FLOOR PLAN AND ELEVATIONS



WINDOW SPLITS BETWEEN THE TWO FLOORS
↳ PATTERNED LIGHT

QUIET FLOOR

RAMP FOR BETWEEN FLOOR ACCESS

STAFF ROOM

INWALL SEATING & SHELVES

PATH UP TO THE ENTRANCE

GROUND FLOOR

STORAGE

ACCESSABLE TOILET

DUE TO THE SWEEP OF THE ROOF, THE CEILING ABOVE THE STORAGE IS TOO LOW FOR A PERSON TO COMFORTABLY STAND
↳ MOVE BELOWGROUND

MEZZANINE FLOOR

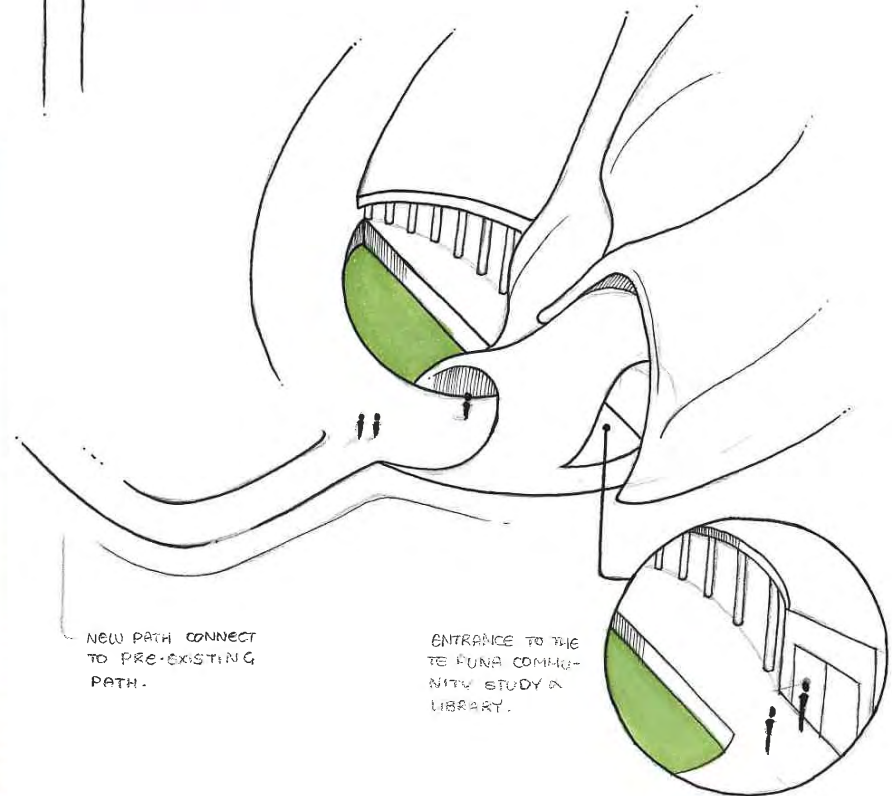
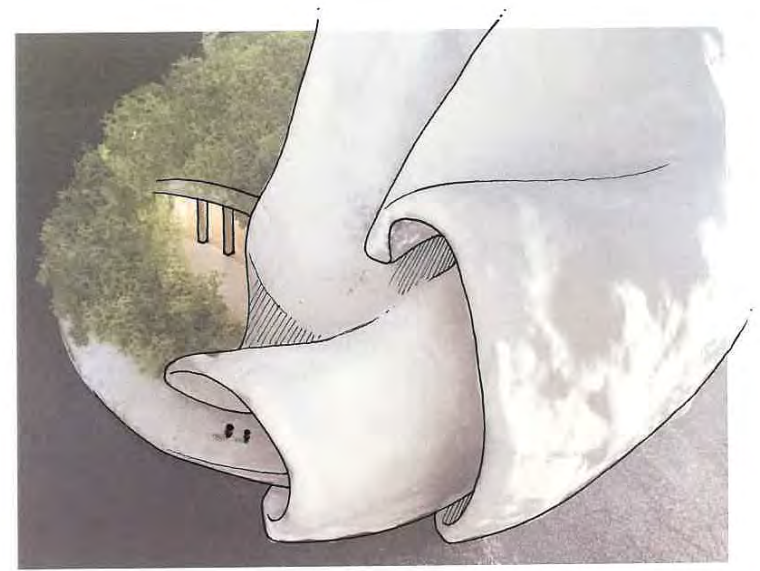
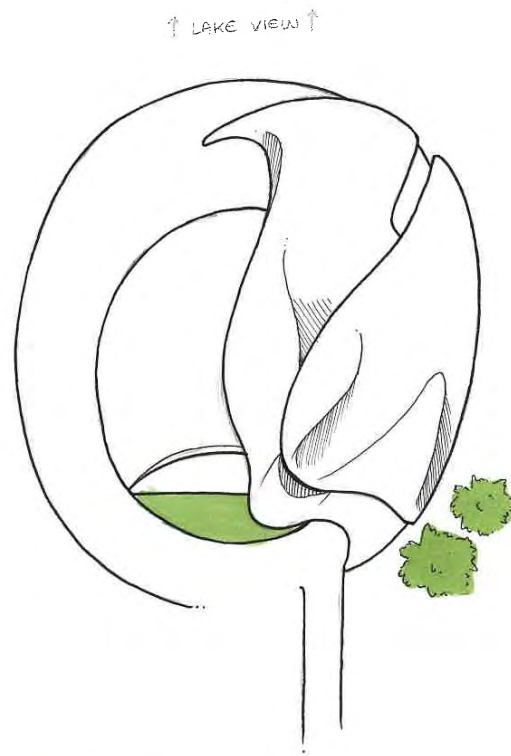
SWELWYN NATIVE PLANTS
↳ MATAKORR
↳ COPROSMA PROPINQUA
↳ MELICYTUS ALPINUS
↳ CARMICHAELIA SPECIES

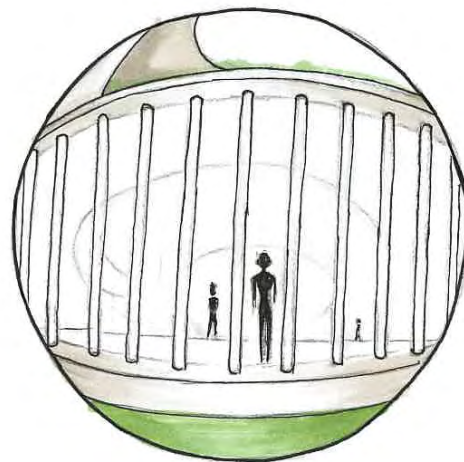
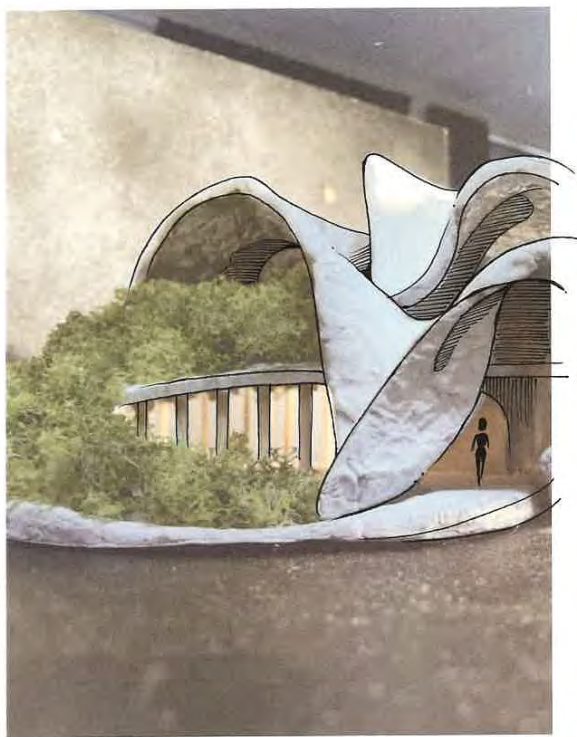
GROUND

CONCRETE

SOIL AT KAITUNA IS TOO SOFT CLOSER TOWARDS LAKE

CONCRETE EXTEND BEYOND STORAGE FOR SUPPORT



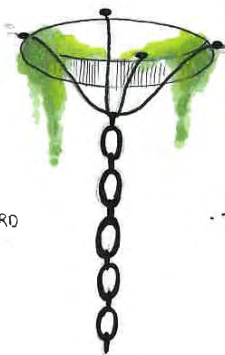


DECORATIVE WINDOW

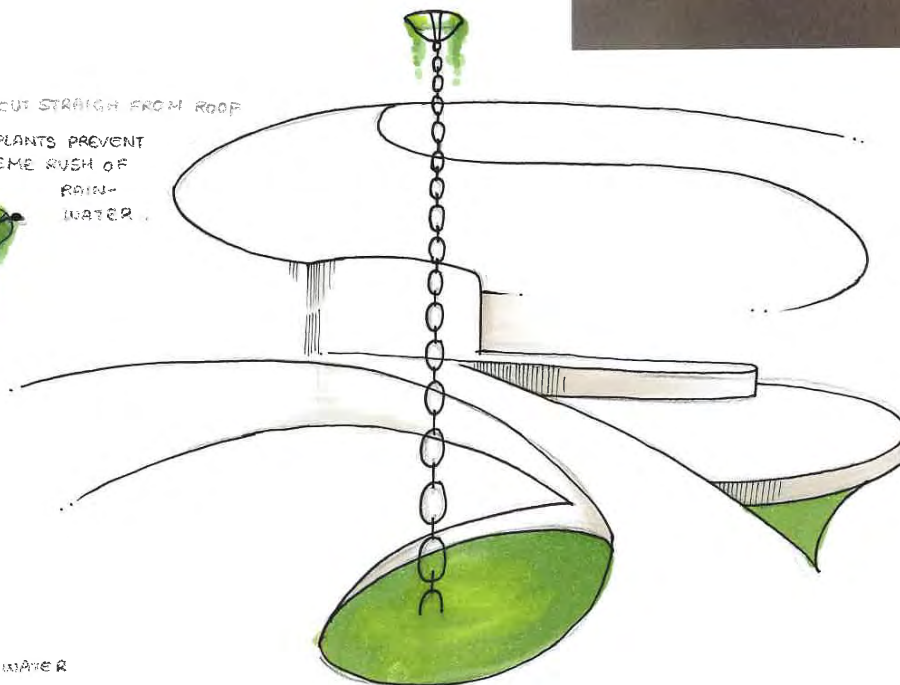
↳ WHEN SUNLIGHT HITS WOULD
CREATE PATTERNED LIGHT FOR
DETAIL / INTEREST.



• STANDARD
DESIGN



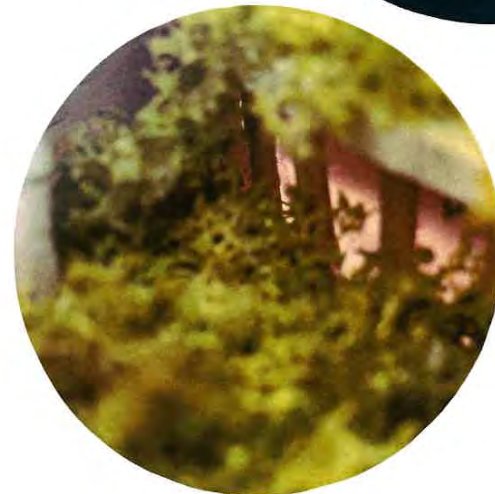
• HOLES CUT STRAIGHT FROM ROOF
• ROOF PLANTS PREVENT
EXTREME RUSH OF
RAIN-
WATER.



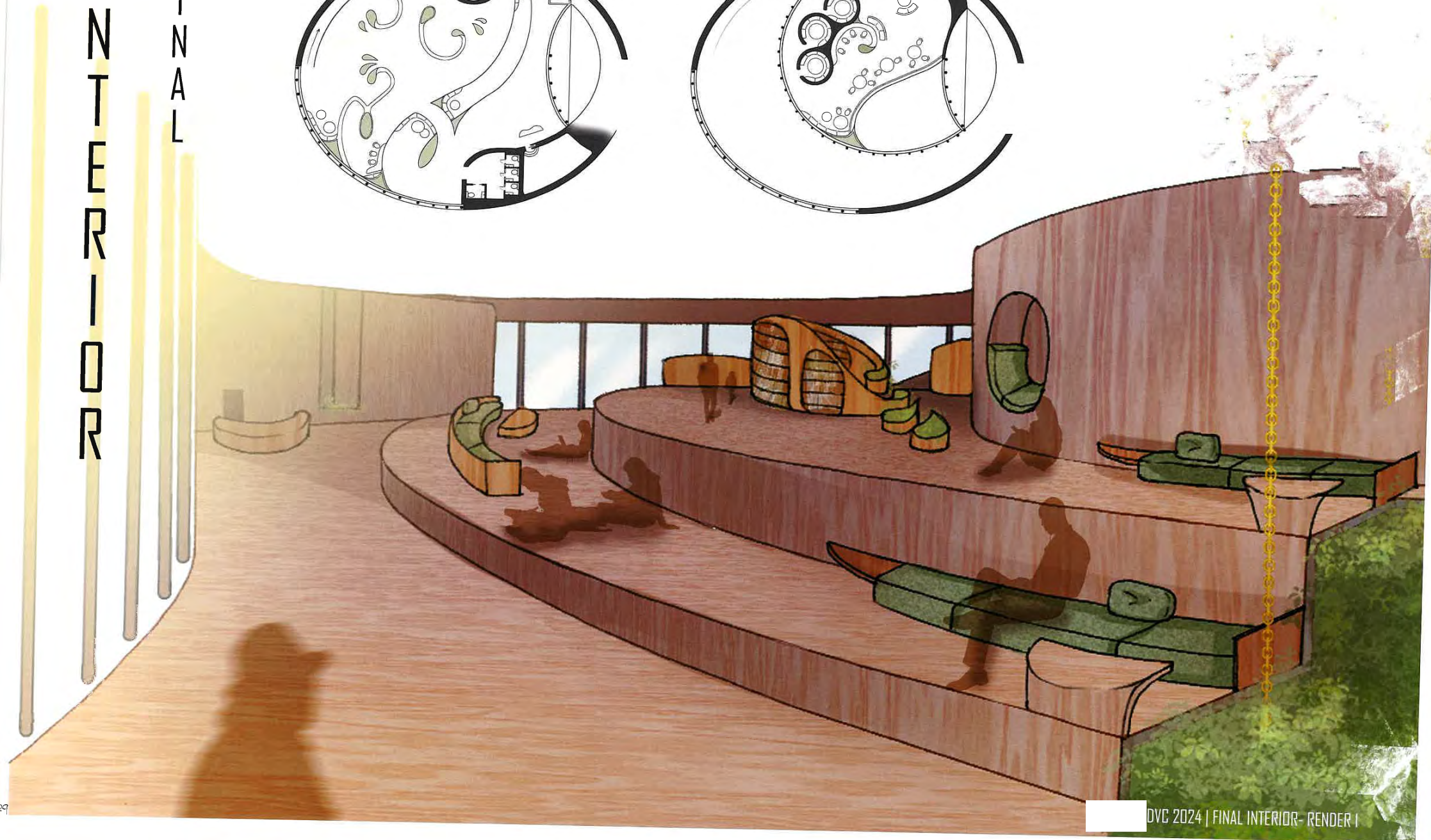
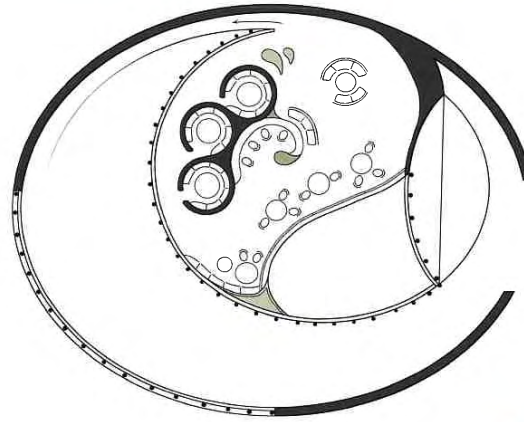
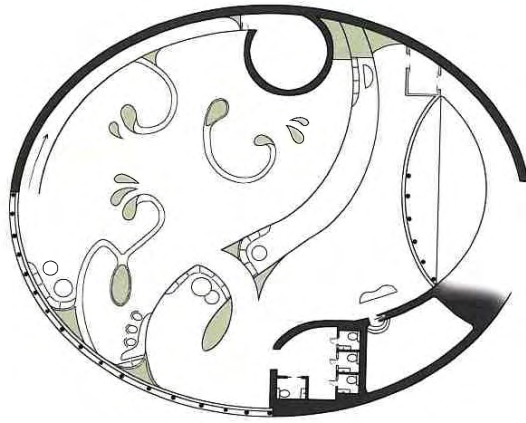
• RAIN CHAINS

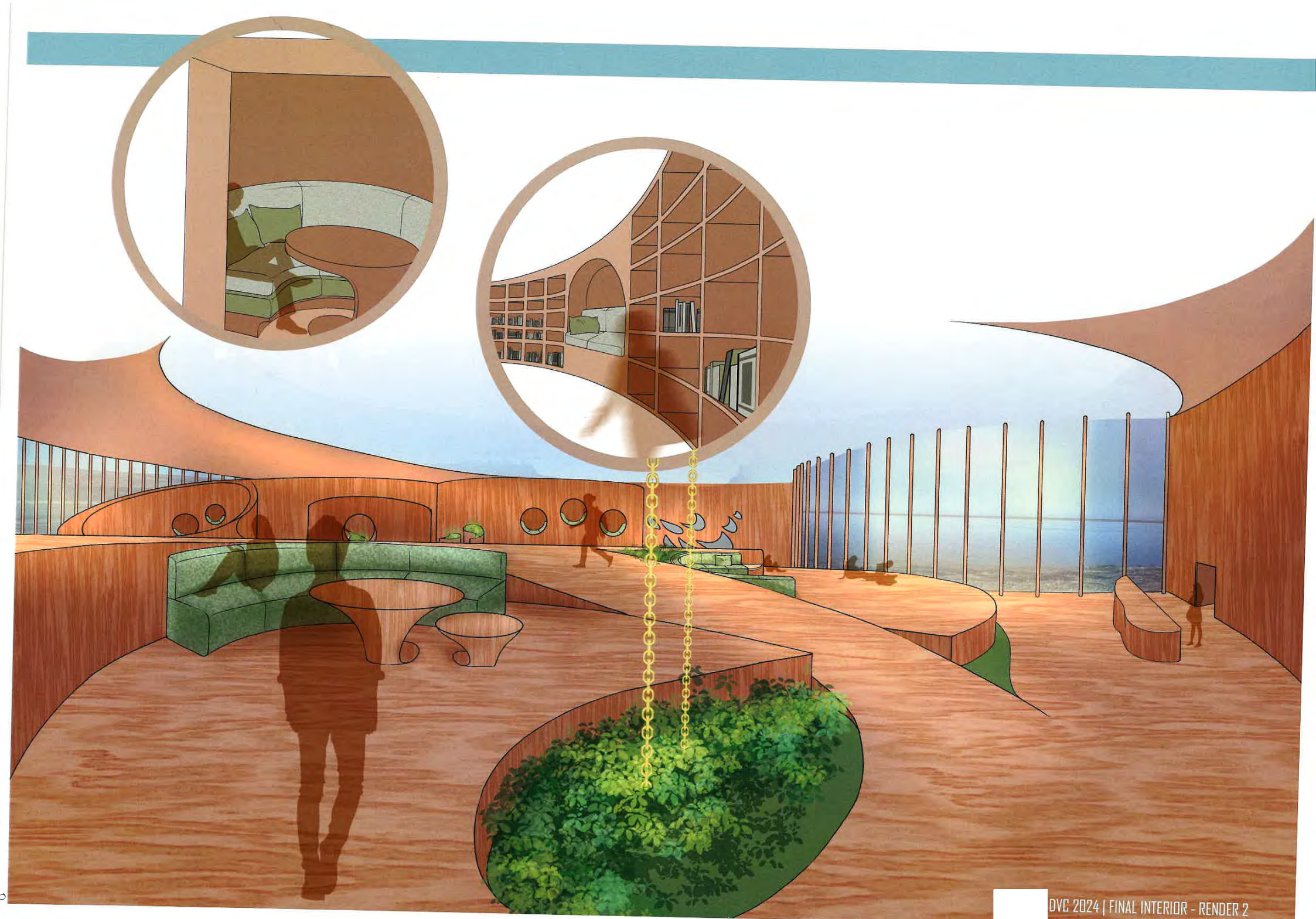
↳ A WAY TO WATER THE LARGER
INTERIOR GARDENS SUSTAINABLY.

↳ THE SOUND OF TRICKLING WATER
COULD BECOME A SOURCE OF
'WHITE-NOISE' FOR STUDY?



FINAL INTERIOR





Scholarship

Subject: Design and Visual Communication

Standard: 93602

Total score: 14

Score	Marker commentary
5	Design ideation A clear strength of this project is in its interpretation and use of ideas stemming from organic forms. A personal style and sense of design direction is established through exploration of organic, flowing shapes and forms. The design ideas throughout the project continue to build the use of organic forms for the whole building and elements within the building. The ideas are fresh and an original response to the initiating sources.
4	Design practice This submission engages thoughtfully with context of studying to improve the quality of the design. Beautiful spaces are developed for the users that would support the experience of studying. While a site is indicated, the building does not purposefully engage with its landscape, site, or location. The strength of the design thinking is in relation to the interior experience and the sculptural form of the building.
5	Visual communication The narrative of this project is clear and easy to follow. Mainly hand-drawn techniques are used to express ideas and demonstrate the developing design. CAD images are also used to express the ideas. The final images and model, while not high quality, show viewpoints that are informative and add to a coherent understanding of the outcome.