

No part of the candidate's evidence in this exemplar material may be presented in an external assessment for the purpose of gaining an NZQA qualification or award.



Level 3 Design and Visual Communication 2024

91627 Initiate design ideas through exploration

Excellence

TOTAL 07

KOI FISH EXPLORATION

ORGANIC

RHYTHM

PATTERN

LAYERING

LINE

MOVEMENT

LAYERING

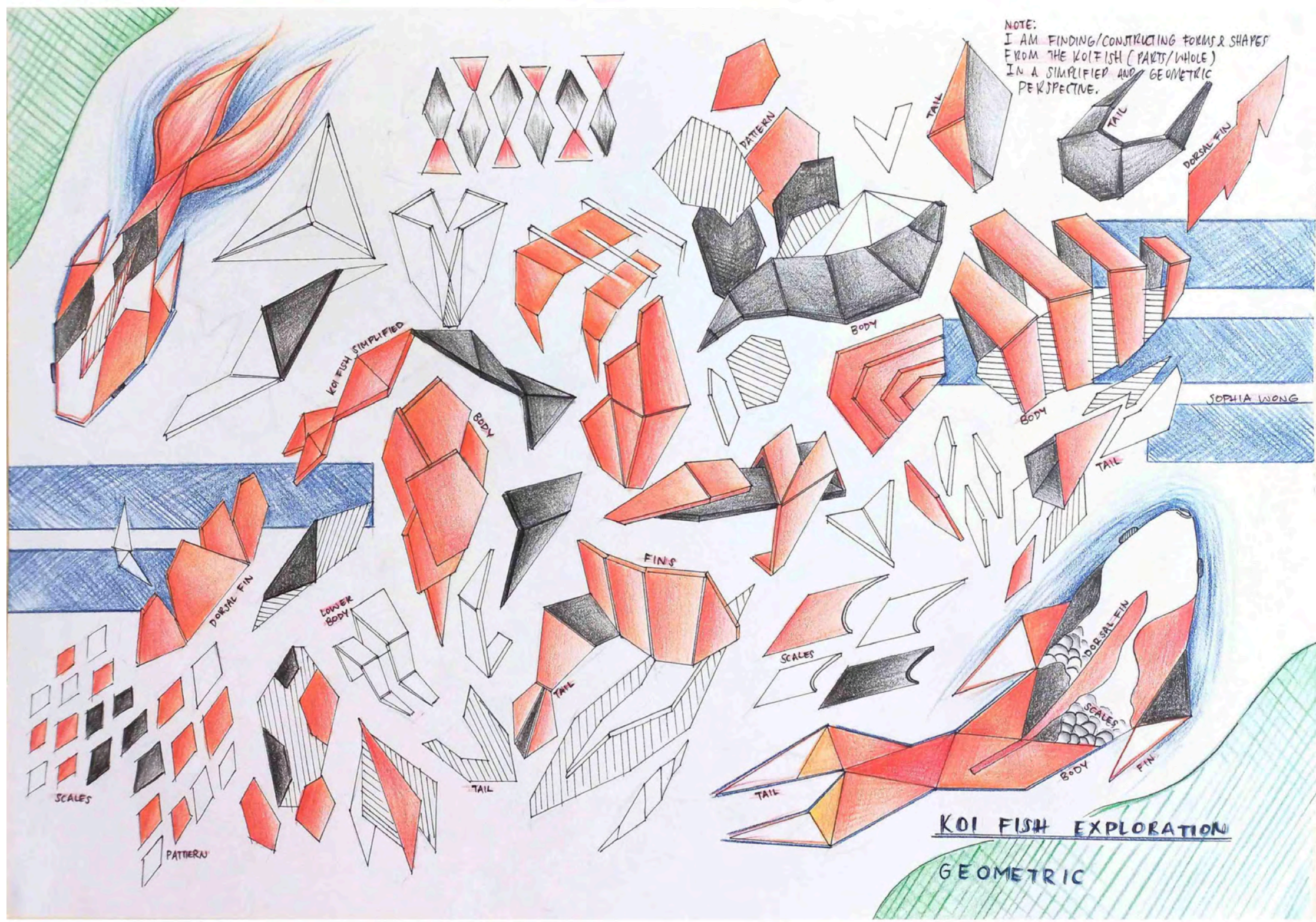
PATTERN

REPETITION

LINE



NOTE:
I AM FINDING/CONSTRUCTING FORMS & SHAPES
FROM THE KOI FISH (PARTS/WHOLE)
IN A SIMPLIFIED AND GEOMETRIC
PERSPECTIVE.



KOI FISH EXPLORATION
GEOMETRIC

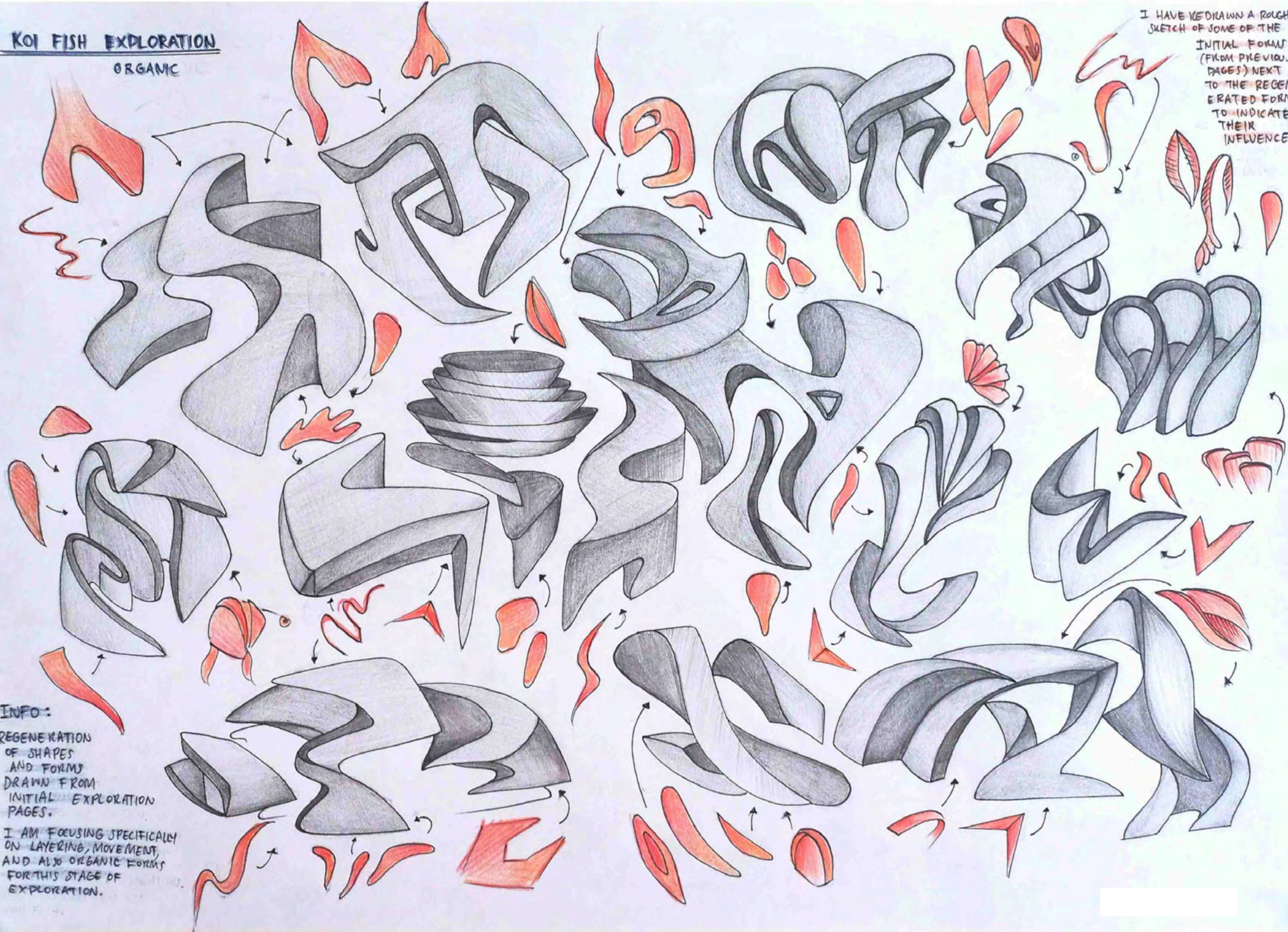
KOI FISH EXPLORATION
ORGANIC

I HAVE DRAWN A ROUGH
SKETCH OF SOME OF THE
INITIAL FORMS
(FROM PREVIOUS
PAGES) NEXT
TO THE REGEN-
ERATED FORMS
TO INDICATE
THEIR
INFLUENCE.

INFO:

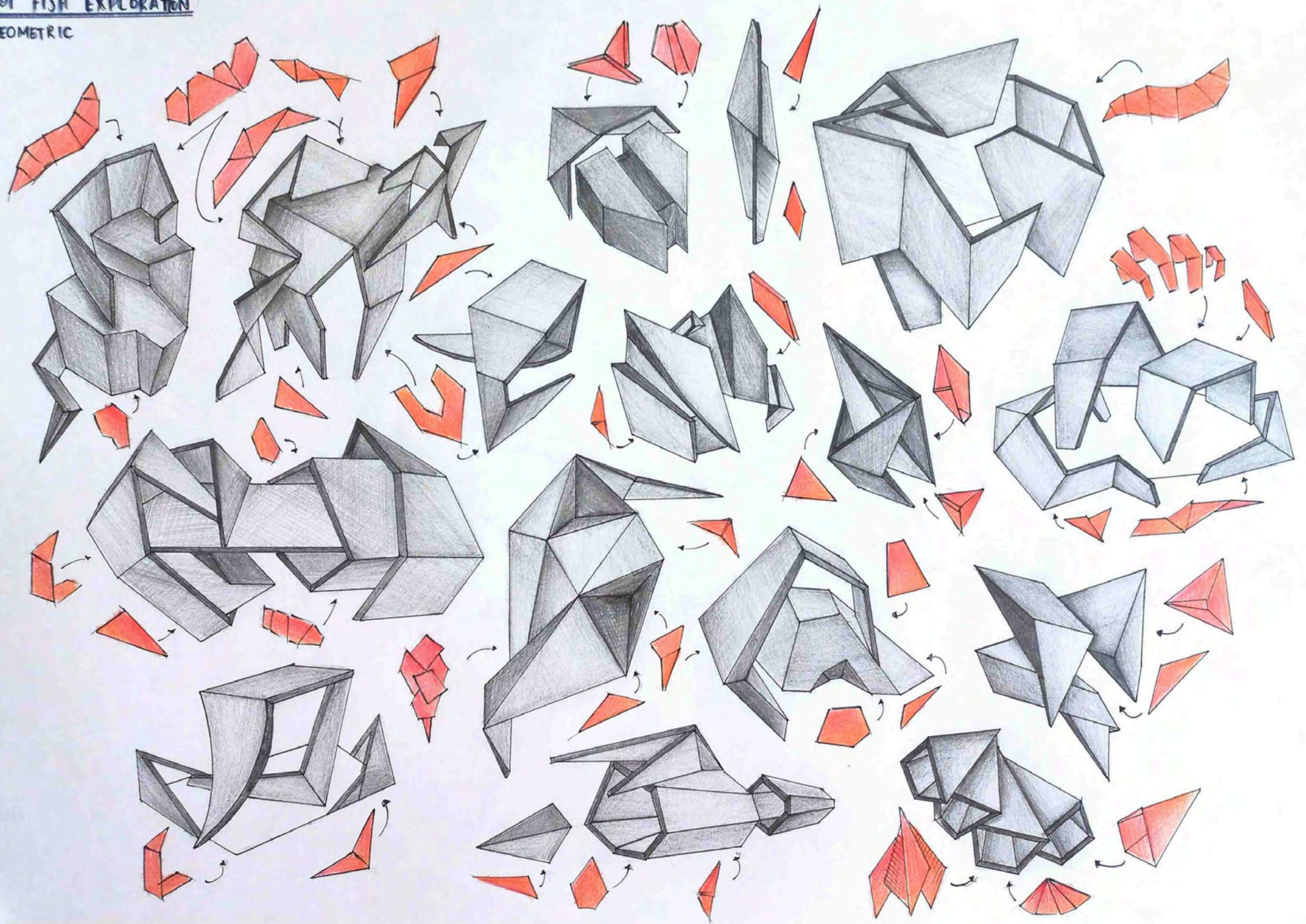
REGENERATION
OF SHAPES
AND FORMS
DRAWN FROM
INITIAL EXPLORATION
PAGES.

I AM FOCUSING SPECIFICALLY
ON LAYERING, MOVEMENT,
AND ALSO ORGANIC FORMS
FOR THIS STAGE OF
EXPLORATION.



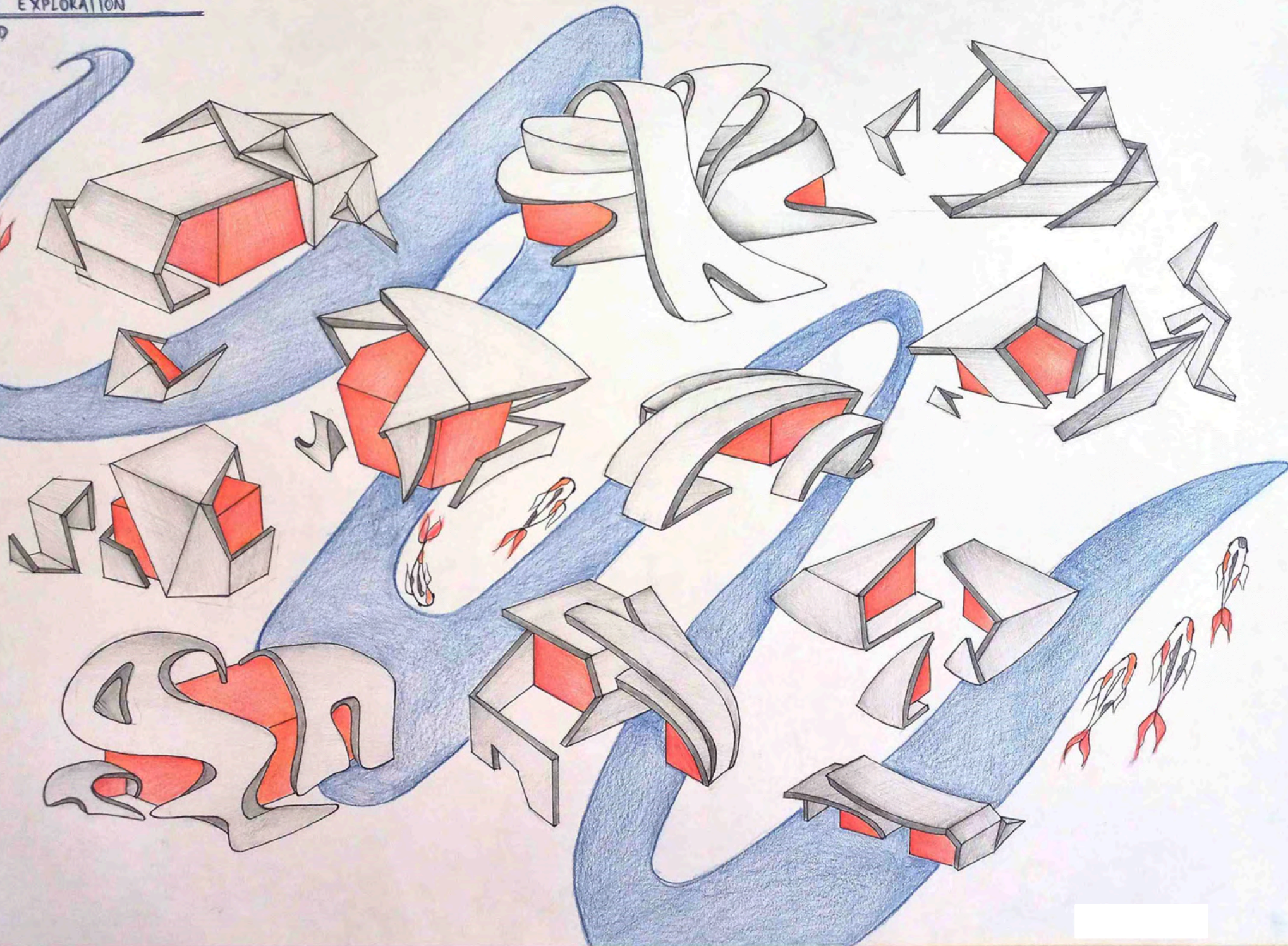
KOI FISH EXPLORATION

GEOMETRIC



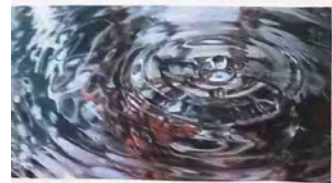
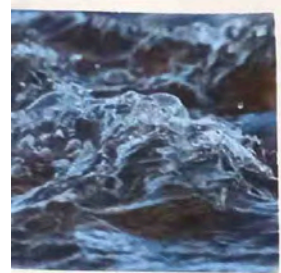
KOI FISH EXPLORATION

DEVELOPED

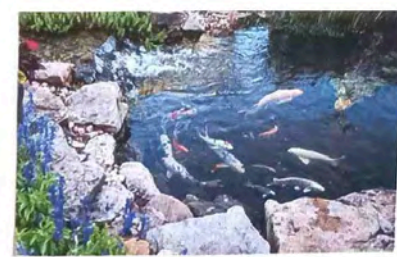


KOI FISH POND - EXPLORATION

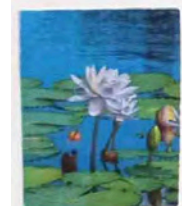
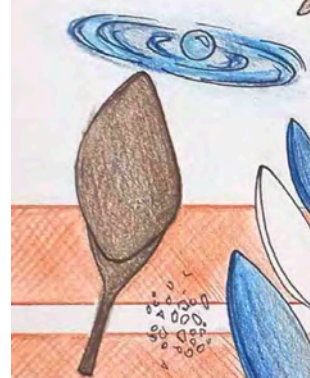
ORGANIC



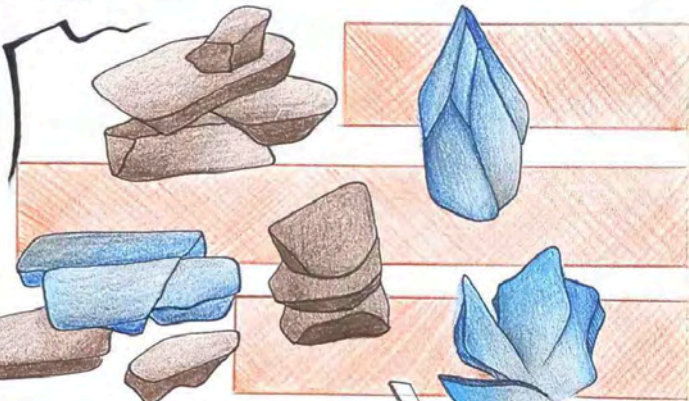
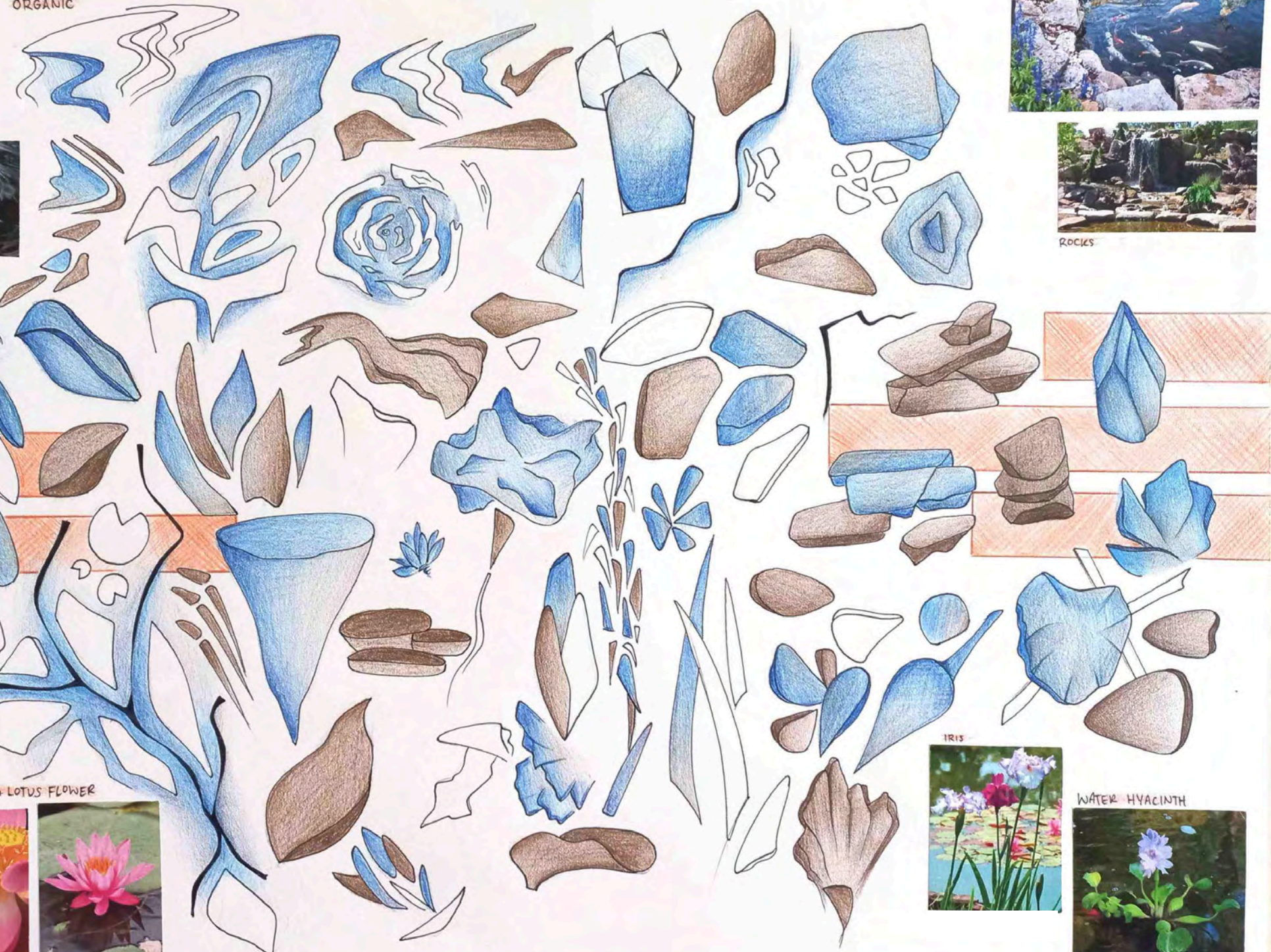
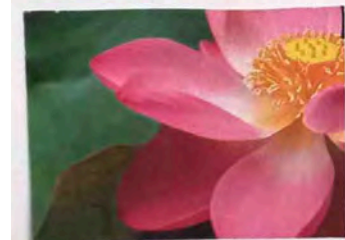
WATER



ROCKS



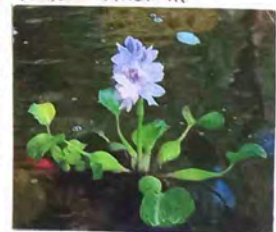
WATER LILY + LOTUS FLOWER



IRIS

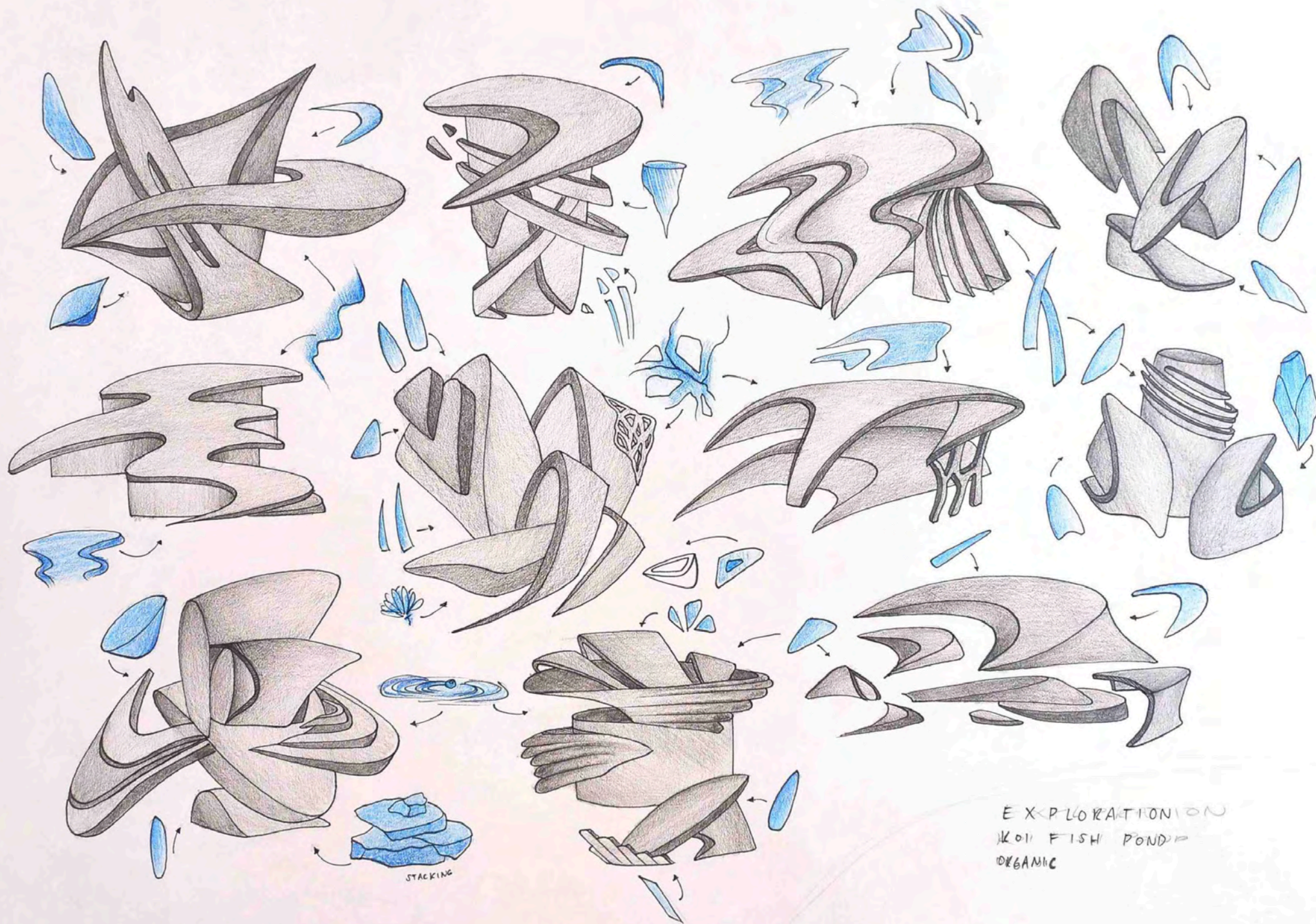


WATER HYACINTH



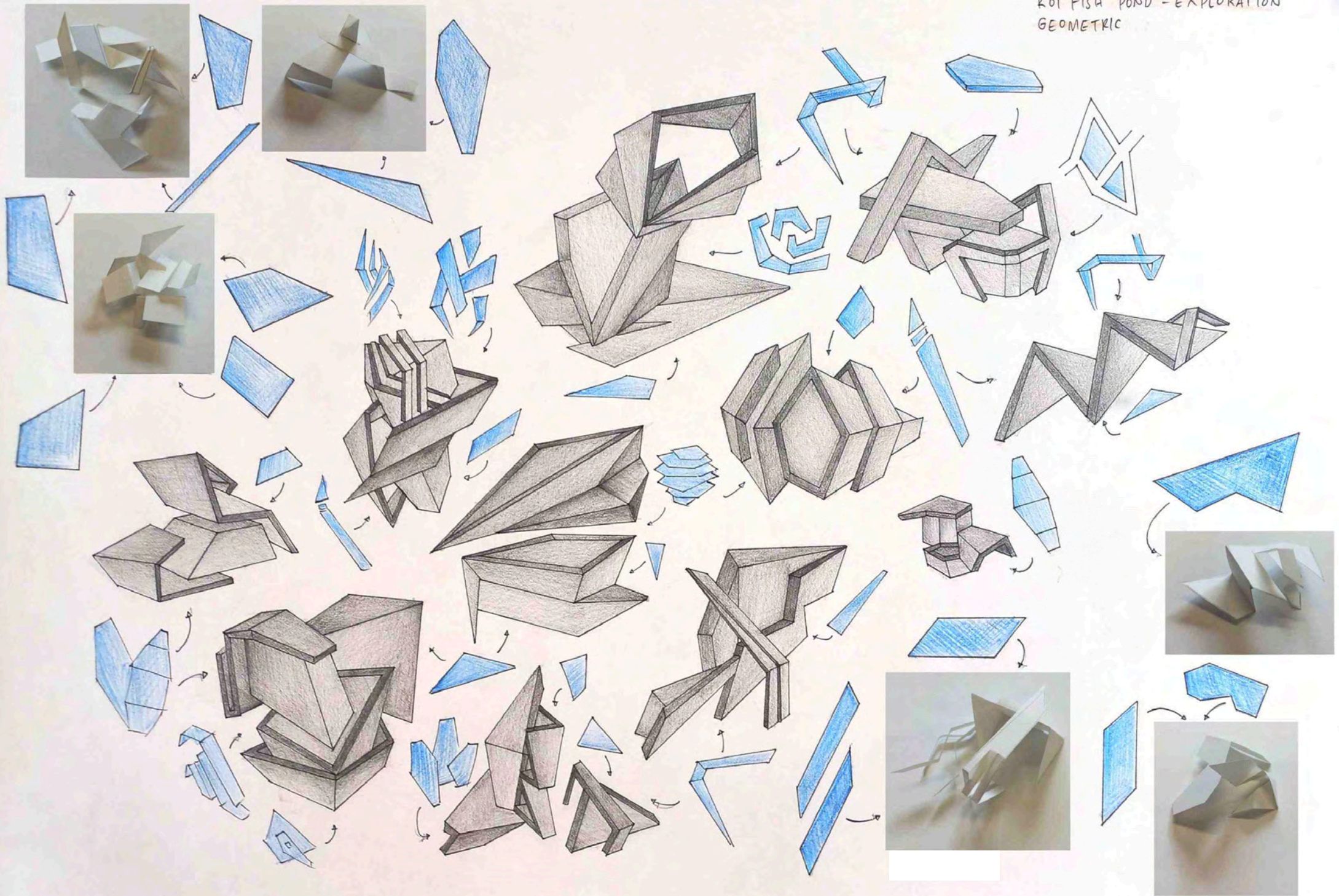
KOI FISH POND - EXPLORATION GEOMETRIC



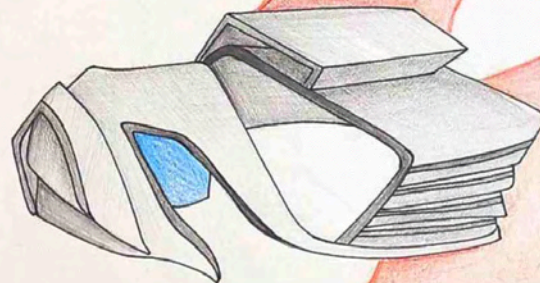
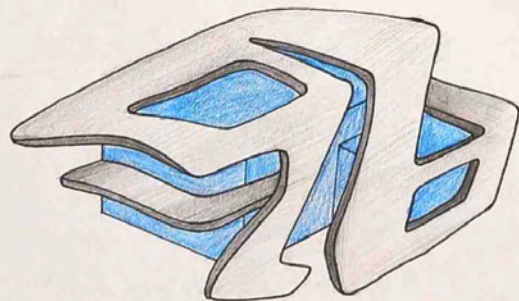
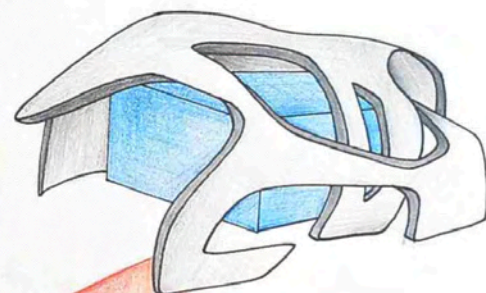
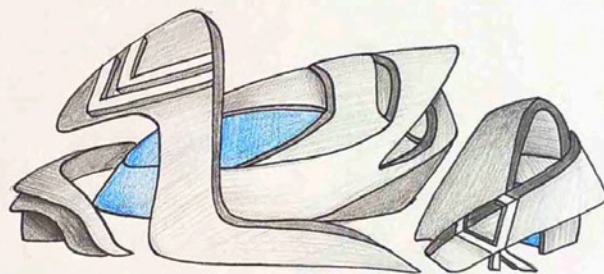
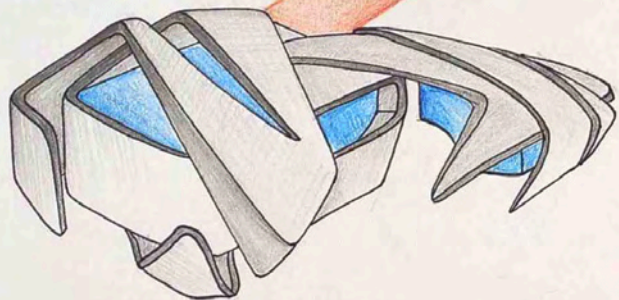
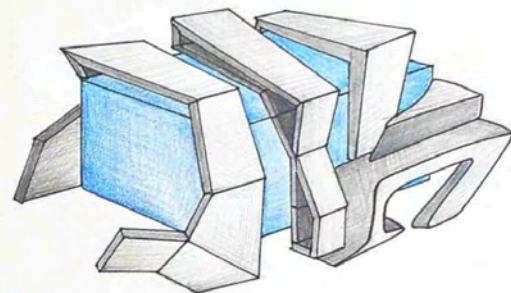
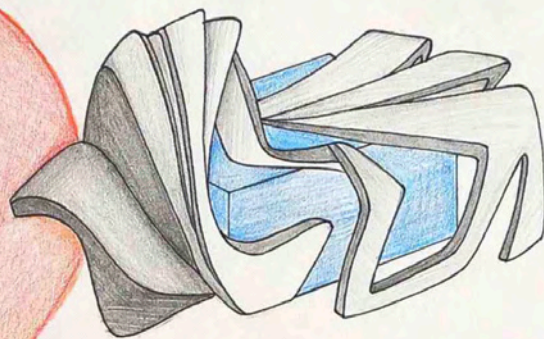
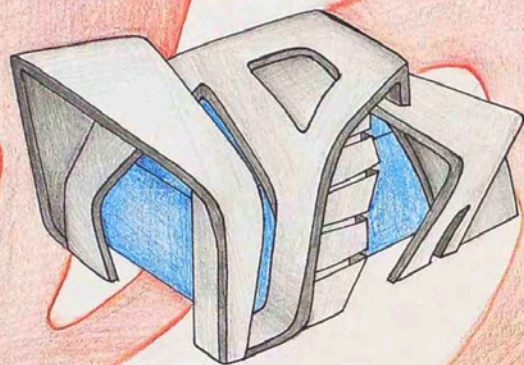


EXPLORATION
KOI FISH POND
ORGANIC

KOI FISH POND - EXPLORATION
GEOMETRIC



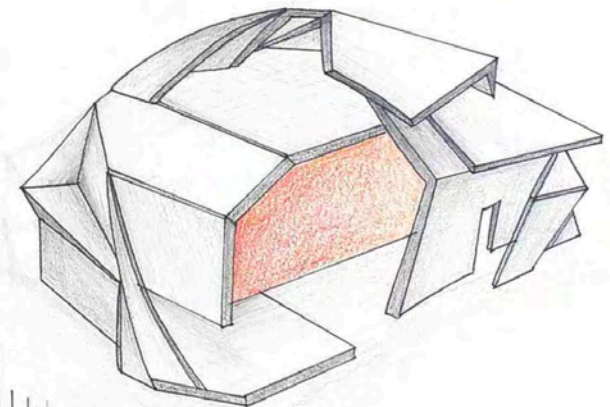
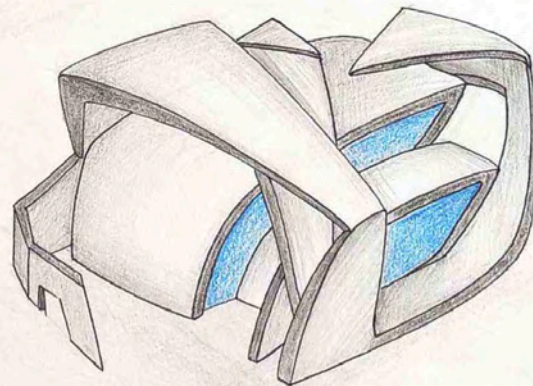
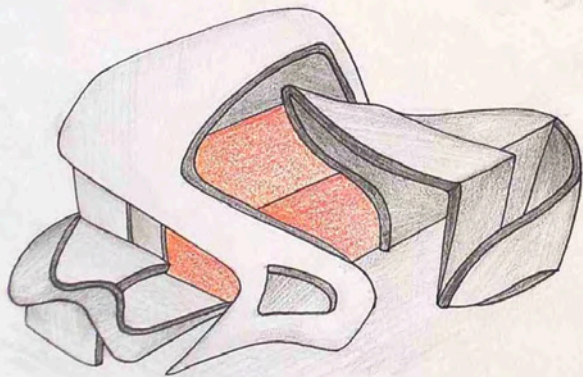
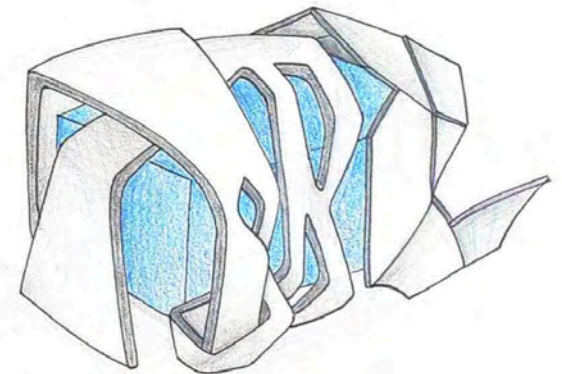
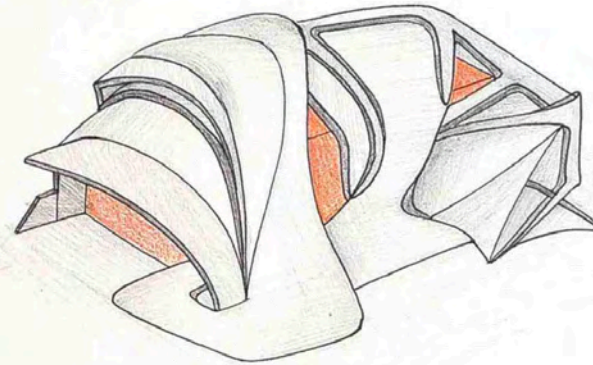
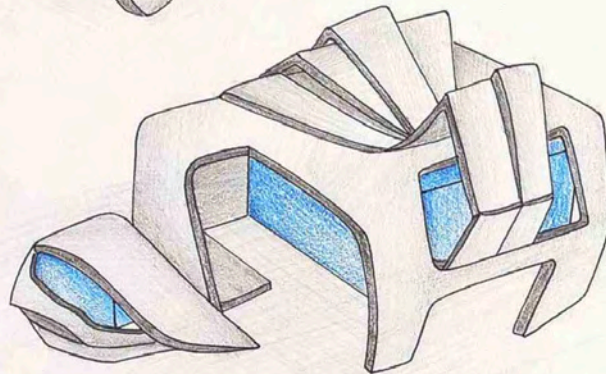
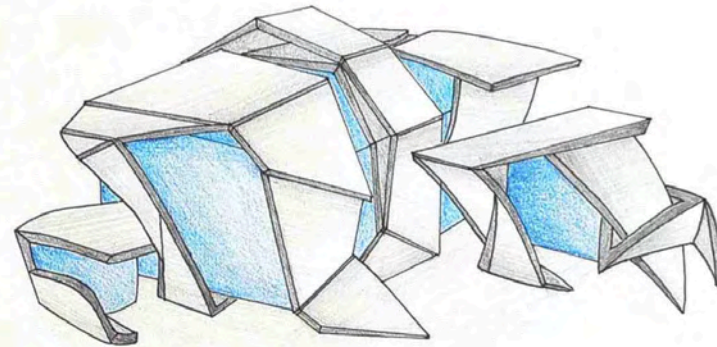
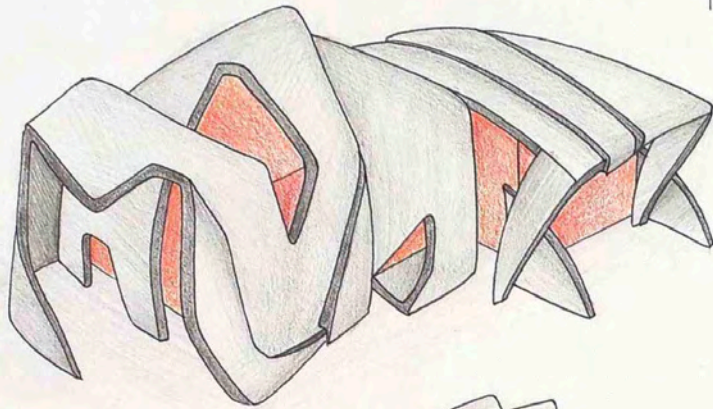
EXPLORATION
KOI FISH POND
DEVELOPED



EXPLORATION

DEVELOPMENT

COMBINING BOTH DEVELOPMENT PAGES TO EXPLORE
NEW FORMS.





Background information

The Newlands Centennial Hall opened in 1940. Over the years it has received little development, having its last significant change in 1980. Regardless, it is still a significant part of the community. The hall is owned and used by the Newlands Indoor Lawn Bowling Club, but houses a variety of fitness and sports based activities. The hall is open for the community to hire and use.

How will my redesign benefit the community?

The redesigned hall will be expanded into a diverse facility to accommodate for a wider range of activities. Currently, the exterior of the hall lacks presence in the community - it blends in. Redesigning the hall can help attract the community and encourage more users. The current state of the hall is not appealing both functionally and aesthetically. For the scale of people using the hall, the facilities apart from the main hall are not sufficient. The hall does not have a reception or main foyer, and only has 1 toilet. As the community uses the hall primarily for fitness and sport based activities, it is important that the hall is properly accommodated to specific user needs. Such as including changing rooms, and providing enough room for specific equipment. There are many potential improvements that can be made through a redesign, to help the current users of the hall. Expanding and adding additional facilities/rooms will also allow multiple groups of people to use the hall at the same time and increase the versatility of the space. This is important as it allows the user base of the hall to grow, further benefiting the Newlands community. It also means that regular groups/clubs using the hall can have more flexible schedules and opportunity to expand. I would also like the new hall to have some relationship with the newly developed "Pukehuia Park". This could be through shared facilities, such as semi-open areas that are connected to the main building.

Brief

Conceptual Statement

I am going to redesign and expand the Newlands Centennial Hall into a diverse hall and community facility that interconnects both the community hall users, neighbouring pukehuia park users, and the overall community. The hall and communal spaces will be versatile and multi-use, to cater a variety of activities and events for the Newlands community.

Specifications

Changing rooms
Toilet facilities that accommodate both hall/community and pukehuia park users.
Storage
Small/medium sized multi use rooms suitable for meetings and gatherings
Multipurpose hall with a stage area for performances
A reception area
Office
Kitchen facility
Semi-outdoor area
Multiple entrances
Wheelchair accessible
Fire exits

Main hall should comfortably fit around 200 people.
Communal facility (including meeting rooms and reception area) should fit an additional 50

The Newlands Centennial Hall redesign will be split into 3 main areas:

Main hall
Hall + Stage area
Changing Rooms
Toilets for hall users only
Storage

Community space
Reception + Office + Main Lounge
Meeting Rooms
Community kitchen area.
Communal toilets
Storage

Semi-outdoor area:
Seating areas
Sheltered and open areas
Table/Eating areas

Considerations

The main hall should prioritise current users. I will need to provide suitable flooring for current occupants. How can I change/improve the current flooring to be suitable for both dance, martial arts, and sports/fitness based activities?

Semi-outdoor area should be open to hall and pukehuia park users

A sound system (small or large) will be needed for performances and daily activities in the main hall

Main hall should be available for performances with the stage area. There needs to be enough storage room for chairs.

Reception and main lounge area should be situated near the primary entrance

Extra storage for main hall users to put their belongings safely should be considered

Hall section of the building should be separated from communal space and spaces shared with Pukehuia park visitors. This is to prevent disturbance in main hall activities.

A heating/ventilation system will need to be installed throughout the building.

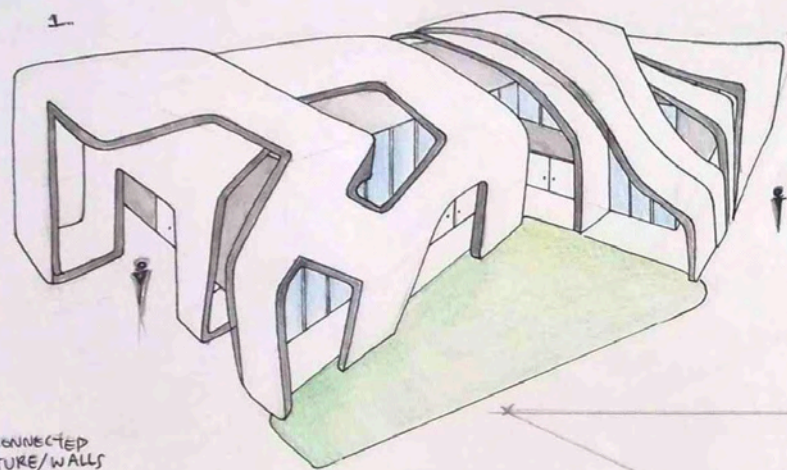
I need to consider size of windows and the amount of natural light exposure in each of the main areas

I can consider adding ballet barres on the sides of the hall, as it could benefit the 2 dance schools operating in the current hall.

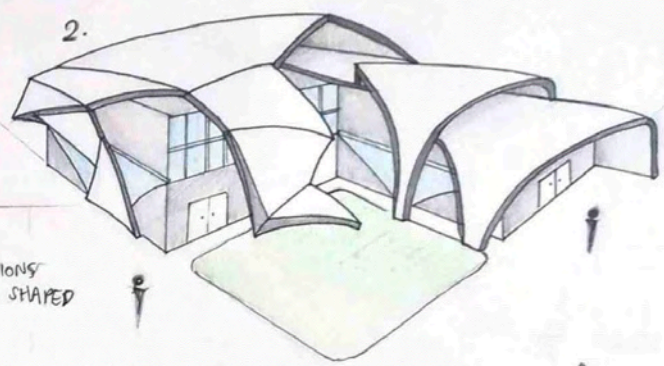
The kitchen could be designed to facilitate catering services. However, requirements for this may be too large, and the building may not have the capacity to do so.

Exterior design of building can have influences from pukehuia park

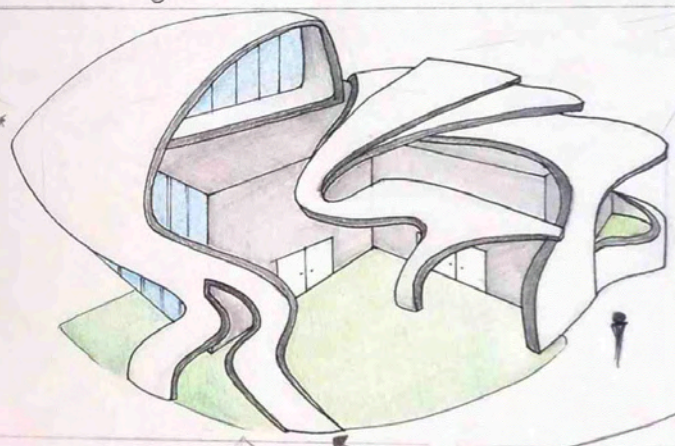
Large mirrors could be considered for dance and fitness classes. These could be moveable and placed in storage when unused.



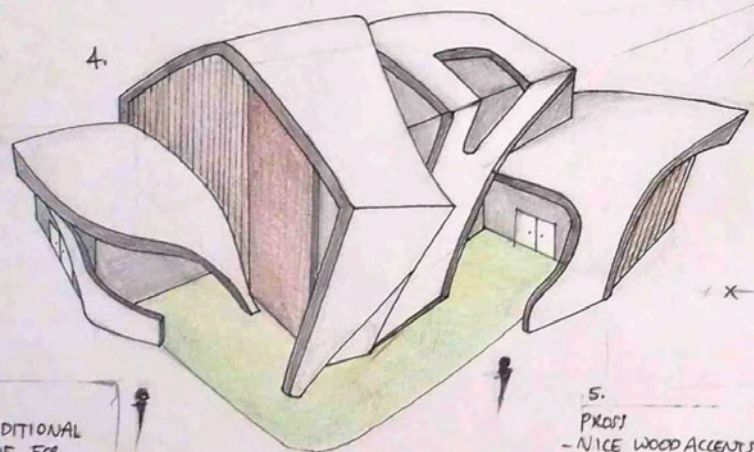
- 1.
- PROS:
- NICE ORGANIC SHAPES
 - A LOT OF GAPS FOR SUNLIGHT
 - PLENTY OF WINDOWS
 - A LOT OF SHELTER
 - NICE BIG GRASS AREA
- CONS:
- SHELL LOOKS TOO DISCONNECTED TO ACTUAL BOX STRUCTURE/WALLS
 - SOME AREAS TOUCHING GROUND
 - ARE TOO THICK



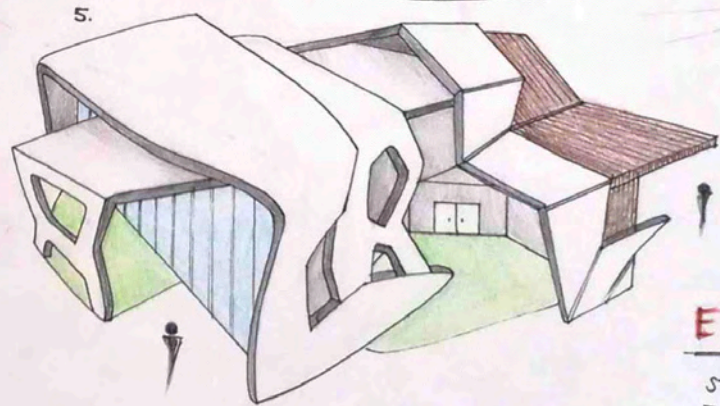
- 2.
- PROS:
- NICE ARCS
 - 3 MAIN SECTIONS
 - INTERESTING SHAPED WINDOWS
 - LAYERING
- CONS:
- SHELL / ROOF NOT CONNECTED ENOUGH WITH REST OF BUILDING
 - WINDOWS DO LOOK SLIGHTLY STRANGE



- 3.
- PROS:
- NICE ORGANIC CURVES
 - LAYERING
 - 2 ENTRANCES/EXITS
 - 3 MAIN SECTIONS
 - 2 STORY
 - SHELTERED
- CONS:
- NO WINDOWS ON RIGHT SIDE
 - LEFT SIDE LOOKS BULKY
 - NOT SURE HOW BOTTOM LEFT SECTIONS WILL STAND STRUCTURALLY
 - BOXY STRUCTURE COULD CONNECT WITH ROOF MORE



- 4.
- PROS:
- MORE TRADITIONAL ARCHED ROOF FOR HALL SECTION
 - NICE WOOD ACCENTS
 - 4 MAIN SECTIONS
 - 2 DOORS
- CONS:
- NO WINDOWS (FROM THIS VIEW)
 - SMALLER 'NON-HALL' SPACE
 - 2 HALL ROOF SECTIONS COULD BE CONNECTED MORE



- 5.
- PROS:
- NICE WOOD ACCENTS
 - INTERESTING PATTERN
 - MIXTURE OF ORGANIC AND GEOMETRIC COMPONENTS
 - LARGE WINDOW SPACE
- CONS:
- SHAPE OF OVERALL BUILDING IS A LITTLE 'OFF'
 - WOOD ACCENTS ARE TOO CLUSTERED INTO ONE REGION
 - SMALLER GREY AREA

NOTE:
GRASS SECTION IS A POTENTIAL OUTDOOR SPACE FOR SEATING/TABLES ETC.

NOTE:
DESIGNS ARE NOT FOCUSED ON SPECIFICATIONS BUT MORE EXPLORING POSSIBLE AESTHETIC DIRECTIONS

EXPLORATION DEVELOPED

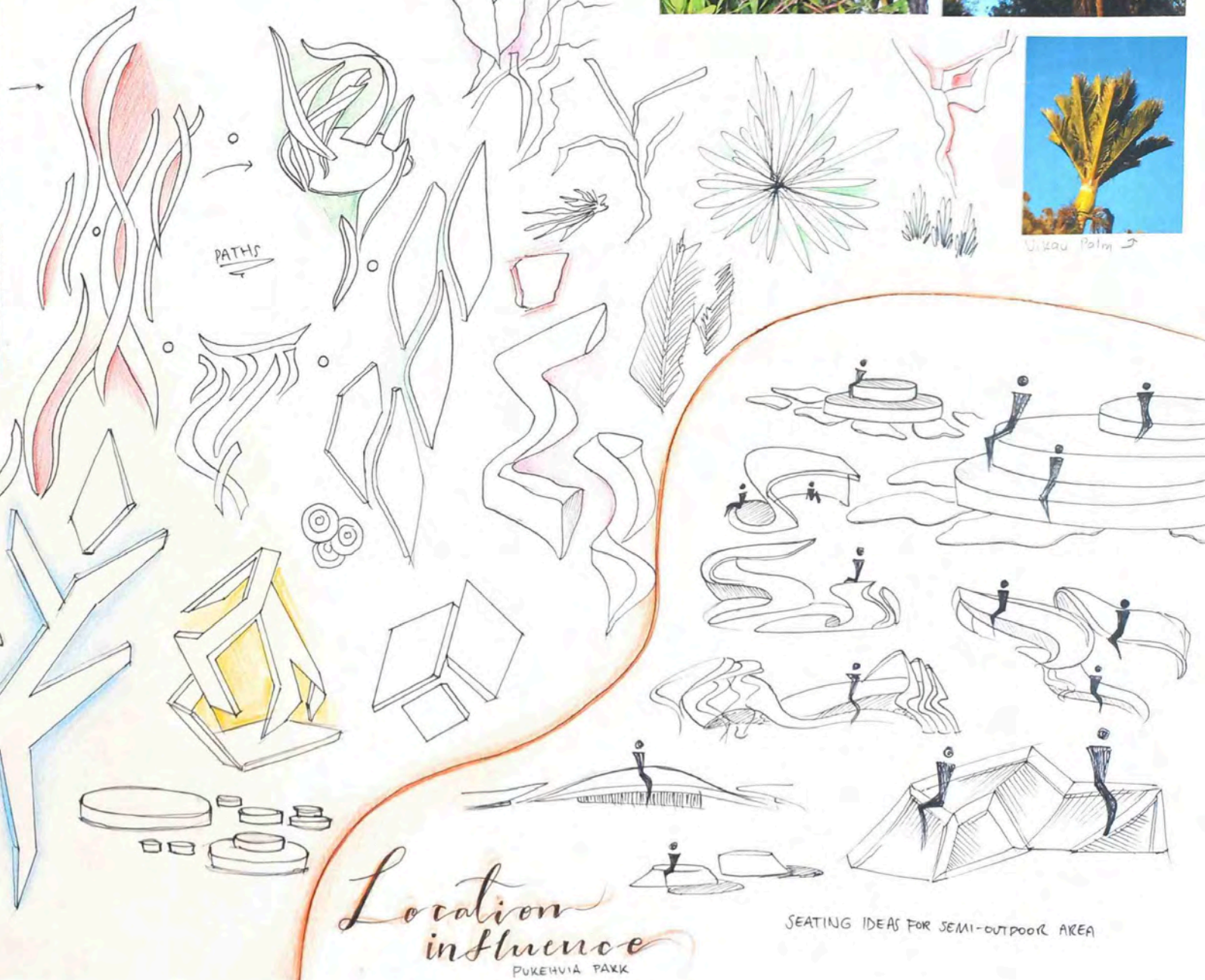
STARTING POINT FOR CONCEPTS
FOCUSING ON REGENERATION OF EXPLORATION FORMS
AND EXPERIMENTATION WITH BUILDING CONCEPTS



COLOUR PALETTE



NATIVE PLANTS FOUND
IN PUKEHIA PARK →



EXPLORATION TO
BE INCORPORATED
INTO BUILDING/SPACIAL CONCEPTS

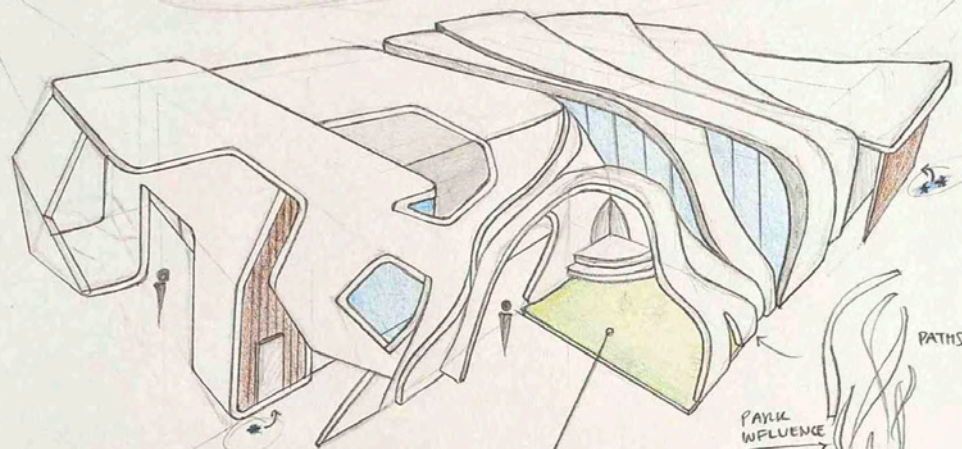
*Location
influence*
PUKEHIA PARK

SEATING IDEAS FOR SEMI-OUTDOOR AREA

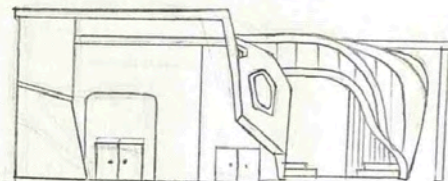
CHOSEN CONCEPT

CONCEPT 1

(USING CONCEPT 1 FROM EXPLORATION AS STARTING POINT)



1.



FRONT VIEW SKETCH

1.

- PROS:
- LAYERING LOOKS NICE
 - LARGE OPEN WINDOWS
 - SPACE FOR A COMMUNITY BATHROOM
 - ORGANIC STRUCTURES HAVE BEEN EXTENDED
 - SHELTER OUTSIDE
 - MANY PATHWAY OPTIONS
 - CIRCULAR OUTDOOR SEATING PAIRS WELL WITH PARK DECORATIONS
- CONS:
- ACTUAL HALL LACKS WINDOWS
 - FLAT ROOFING ACROSS ENTIRE BUILDING, COULD EXPERIMENT WITH TITLED ON ARCHIT FOR MORE VISUAL INTEREST
 - ROOFING ON OUTDOOR SEATING AREA MIGHT BE DIPPING TOO LOW?
 - THIS AREA HAS AN AWKWARD SMALL GAP.

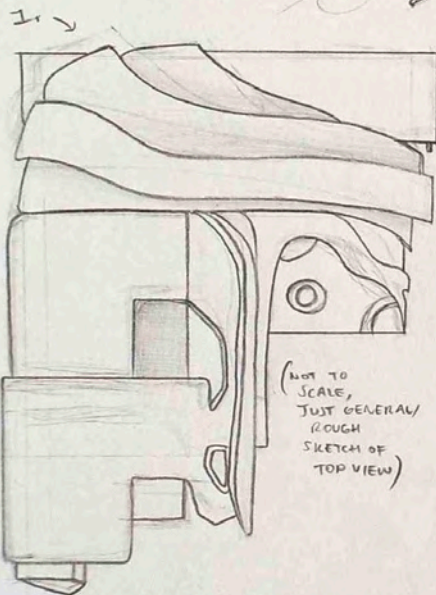
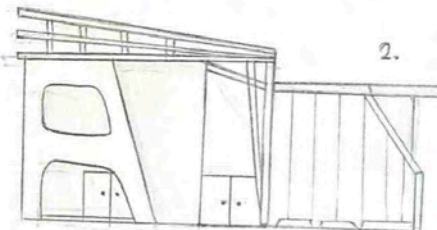
2.

- PROS:
- WOODEN ACCENTS
 - OPEN PATHWAY TO ENTRANCES
 - OUTDOOR SHELTER WITH OPENINGS FOR LIGHT
 - SPACIOUS DECK TO HALL ENTRANCE
 - LARGE WINDOW
 - NATURE INSPIRED OUTDOOR SEATING

CONS:

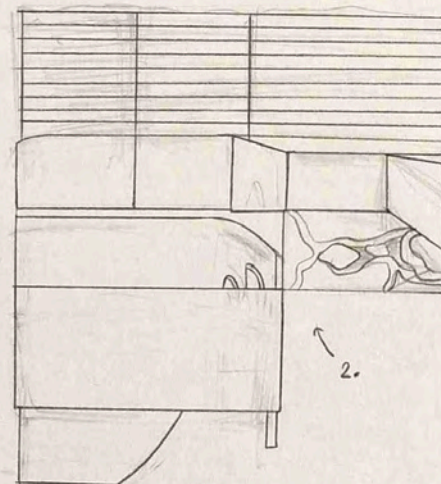
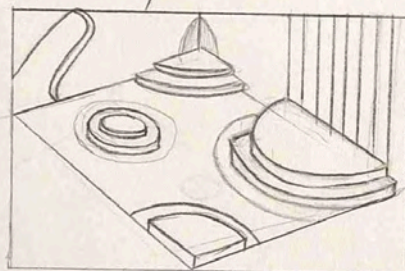
- COULD HAVE IMPROVED WINDOWS IN MAIN HALL
- GAP IN ROOFING
- OUTDOOR AREA IS COVERED ALTHOUGH, MAY NEED MORE LIGHT FROM THE RIGHT.
- LAYERED STRUCTURES DO NOT WORK WELL WITH RAIN.

2.

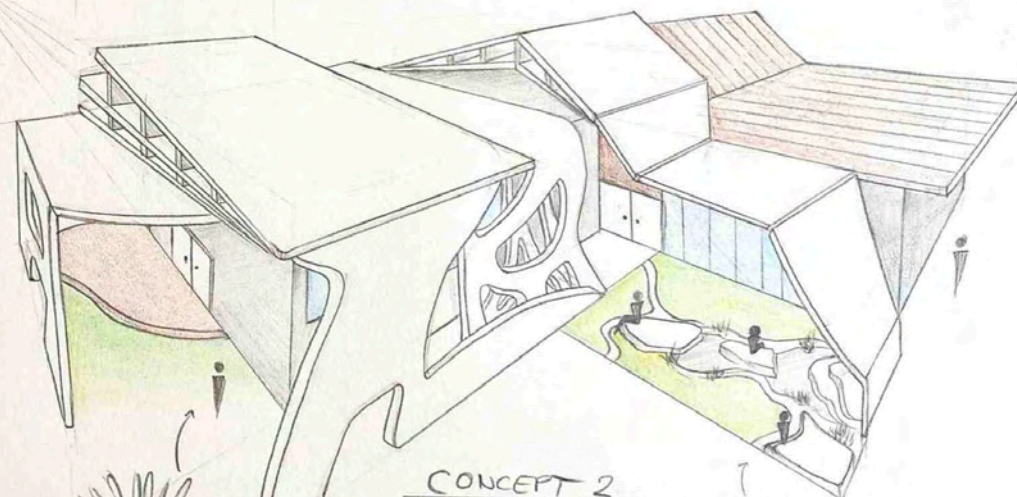


(NOT TO SCALE, JUST GENERAL/ROUGH SKETCH OF TOP VIEW)

TOP VIEW



2.



CONCEPT 2

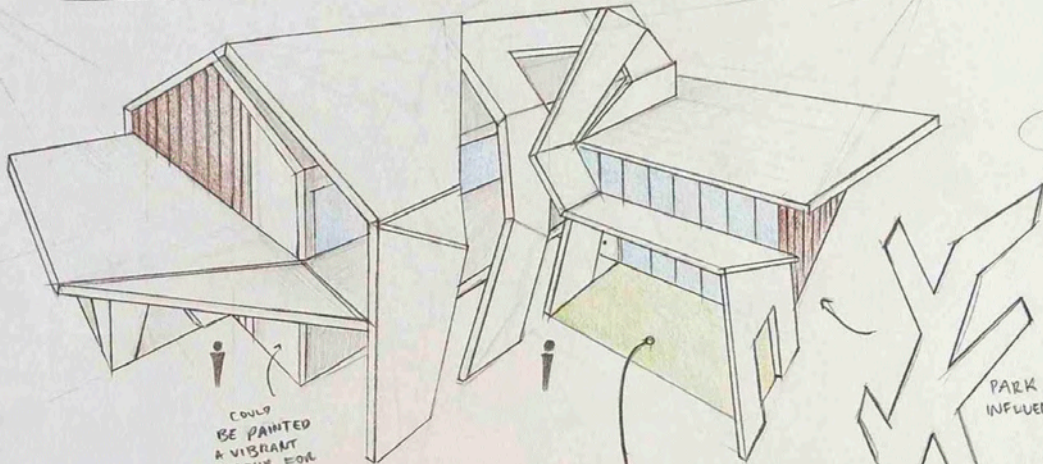
USING CONCEPT 5 FROM EXPLORATION DEVELOPED AS STARTING POINT

SEATING AREA INSPIRED BY KOI FISH PONDS



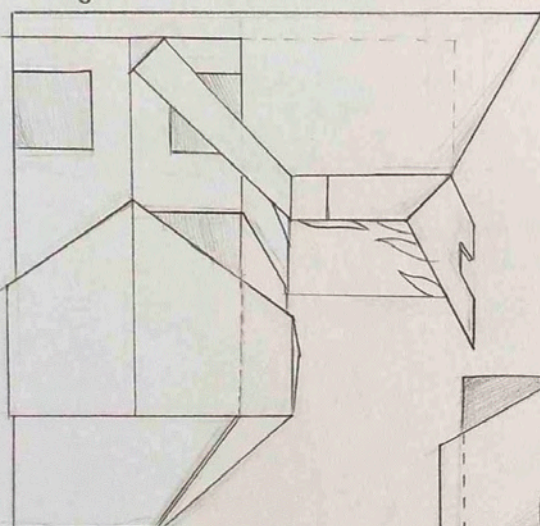
PARK INFLUENCE

CONCEPT 3 (USING CONCEPT 4 FROM EXPLORATION AS STARTING POINT)

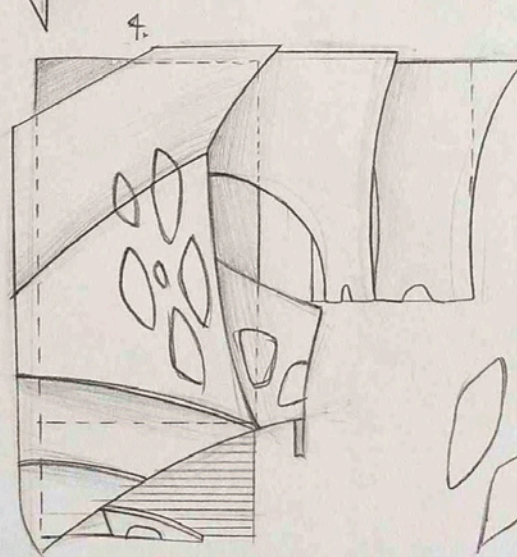
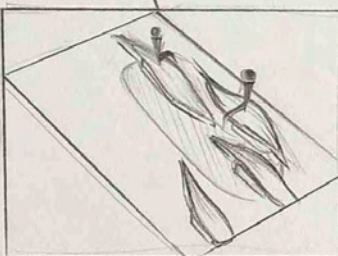


COULD BE PAINTED A VIBRANT COLOUR FOR CONTRAST

PARK INFLUENCE



TOP VIEW



PARK INFLUENCE

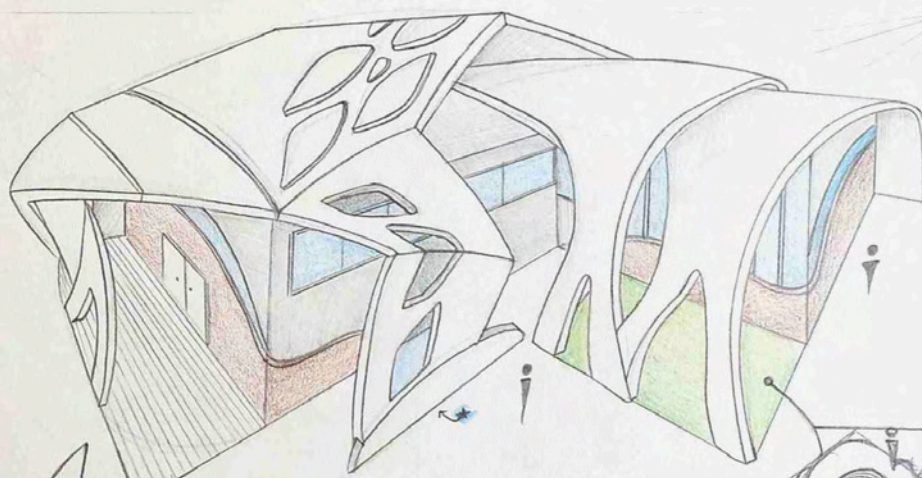
- 3.
- PROS:
- GEOMETRIC LOOK IS MORE INTERESTING THAN PREVIOUS CONCEPT (IN EXPLORATION PAGE)
 - ENTRYWAY HAS BEEN OPENED AND HAS COMPLETE OVERHEAD SHELTER
 - OVERHANGING ROOF WORKS WELL WITH RAIN AND DRAINAGE SYSTEMS
- CONS:
- SOME PARTS SEEM A LITTLE CROWDED ON ROOF SECTION
 - WINDOWS COULD BE ADDED IN FRONT ENTRANCE
 - SUPPORTS MAY BE NEEDED IN LOWER ROOF SECTION.



MAIN ROAD

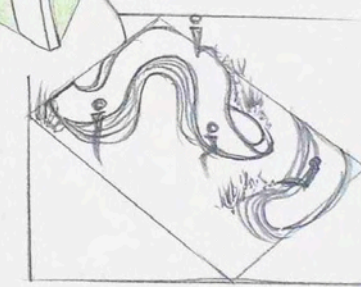
FRONT VIEW SKETCH

- 4.
- PROS:
- CURVED AND ARCHED ROOF LOOKS DYNAMIC
 - FRONT VIEW IS QUITE INTERESTING
 - PATTERN PROVIDES MORE LIGHT AS MADE FROM GLASS MATERIAL IN SHELTERED WALK WAY SECTION
 - OVERALL DESIGN IS ORGANIC AND SHOWS MOVEMENT AND FLOWIDITY THROUGHOUT
- CONS:
- ALTHOUGH ROOFS ARE ARCHED, THE ACTUAL BUILDING HAS A FLAT CEILING (PROBLEM)
 - THERE ARE SOME SMALL AWKWARD SPACES/GAPS



CONCEPT 4

USING CONCEPT 2 FROM EXPLORATION AS STARTING POINT



FROM INITIAL CONCEPTS (PREVIOUS PAGE)

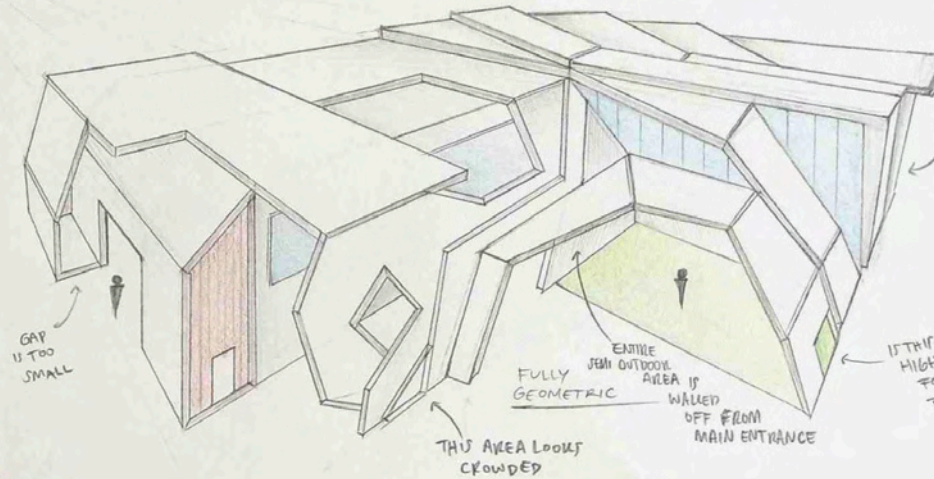
CHOSEN CONCEPT: CONCEPT 1

I HAVE DECIDED TO CHOOSE CONCEPT 1 AS I LIKE BOTH THE AESTHETIC AND FUNCTIONAL DIRECTION. THE FLUIDITY FROM THE ROOF SECTION HAS POTENTIAL, AND I LIKE ITS SUBTLE REFERENCE TO KOI FISH.

DEVELOPMENT 1:

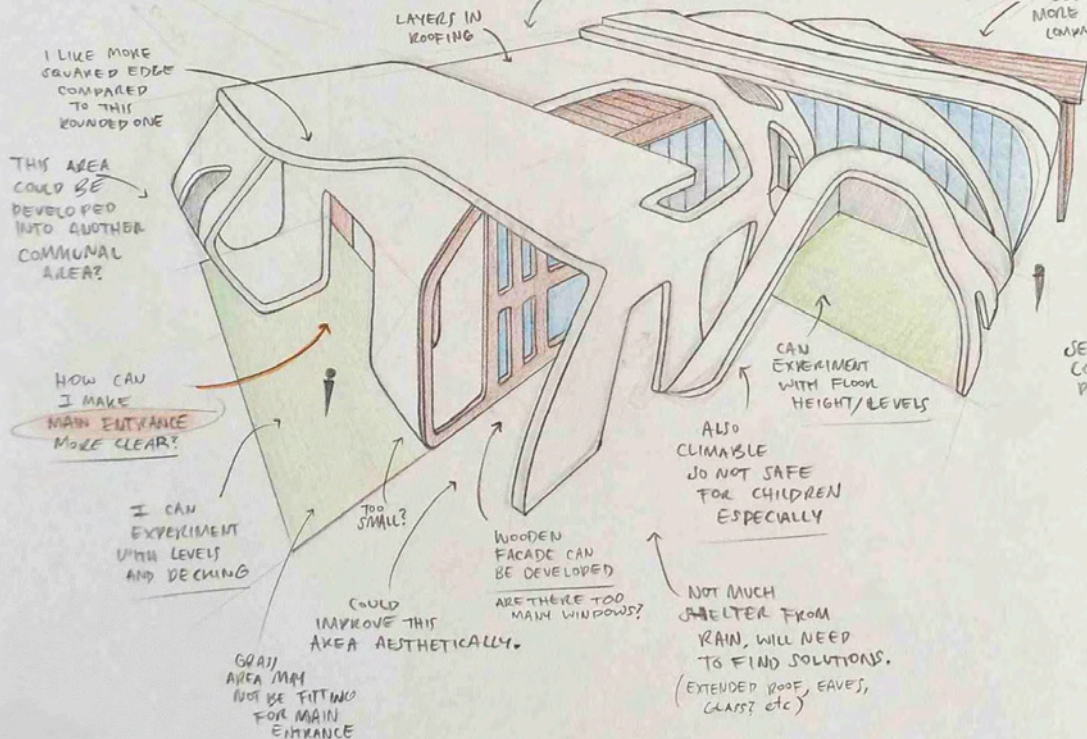
I WOULD LIKE TO EXPERIMENT WITH COMBINING ASPECTS FROM OTHER CONCEPTS THAT I LIKE WITH MY CHOSEN CONCEPT.

CONCEPT 1 + 3

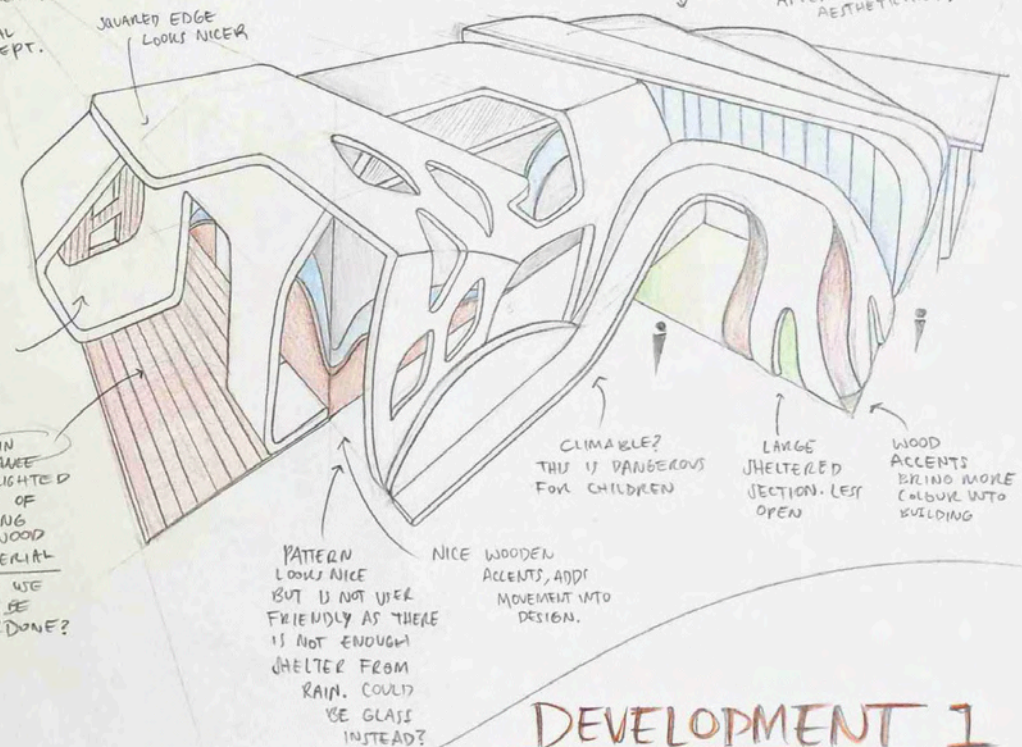


GEOMETRIC APPROACH DOESN'T WORK AS WELL WITH THIS DESIGN. COMPONENTS DO NOT FLOW AS WELL TOGETHER.

(CHOSEN DEVELOPMENT) CONCEPT 1 + 2



CONCEPT 1 + 4

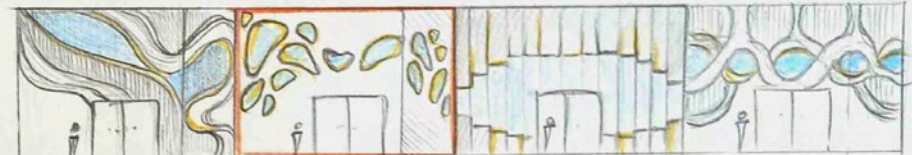
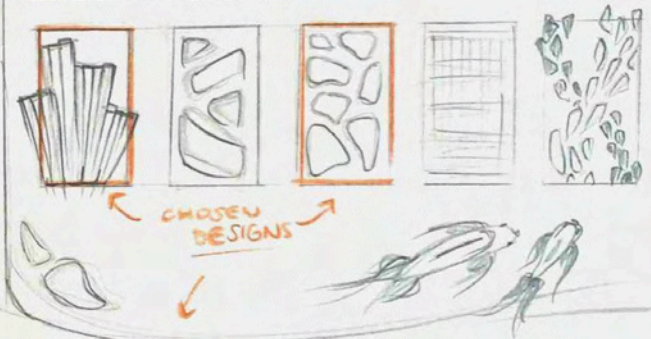


DEVELOPMENT 1 COMBINING CONCEPTS

DEVELOPMENT

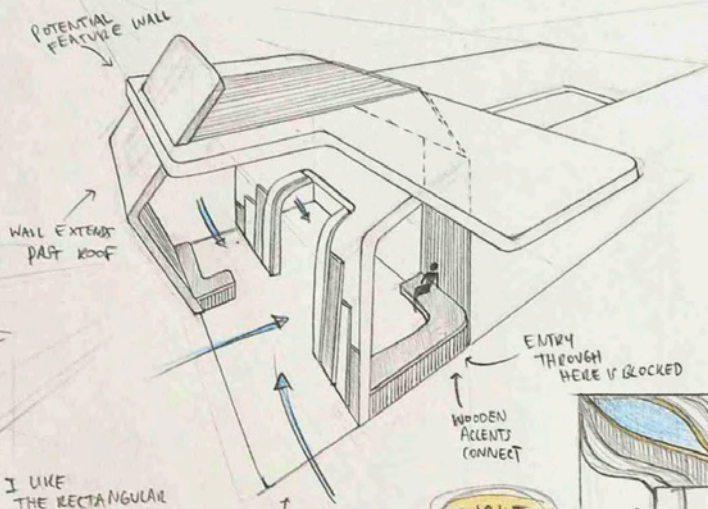
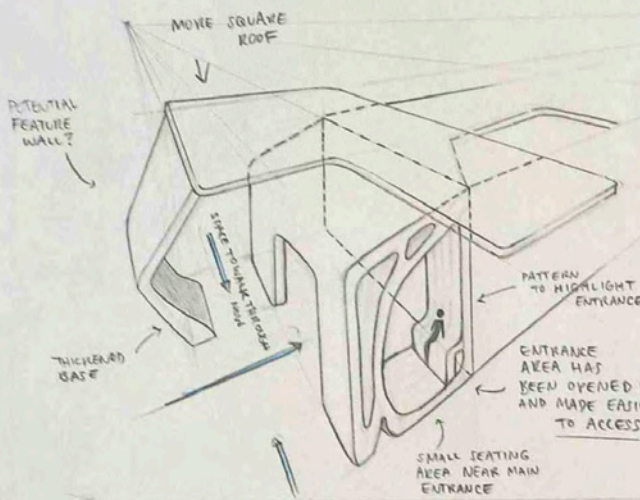
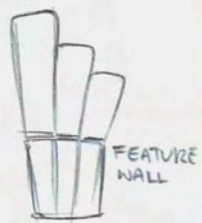
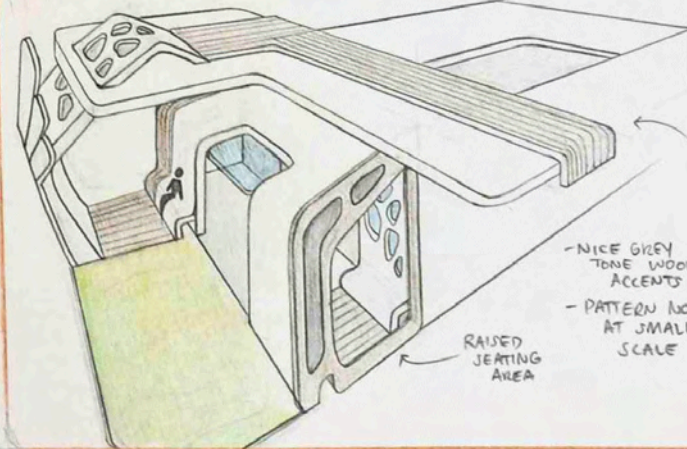
2 MAIN ENTRANCE

FEATURE WALL IDEAS:



MAYBE TOO COMPLICATED/CLUTTERY?
WHAT IS SUITABLE FOR A MAIN ENTRANCE AREA?

MAIN ENTRANCE DEVELOPMENT



LIGHT
GLASS

SIMPLE DECKING (PLAIN MATERIAL?)

I LIKE THE RECTANGULAR EDGED ROOF

WOODEN ACCENT ON BENCH

RAISED FOUNDATION

RAISED DECKING + SUPPORTS

COULD BE AN ACCENT COLOUR

ILLUSION THAT WALL GOES THROUGH ROOF.

THIN BASE

SAFELY RAISED SO DOES NOT BLOCK PATHWAY TO ENTRY

CURVED DECKING

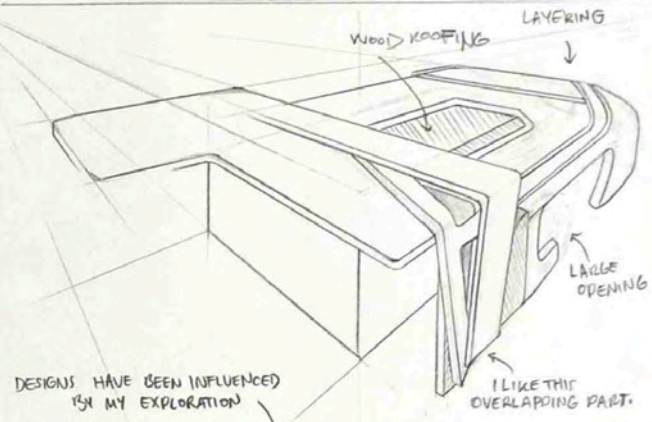
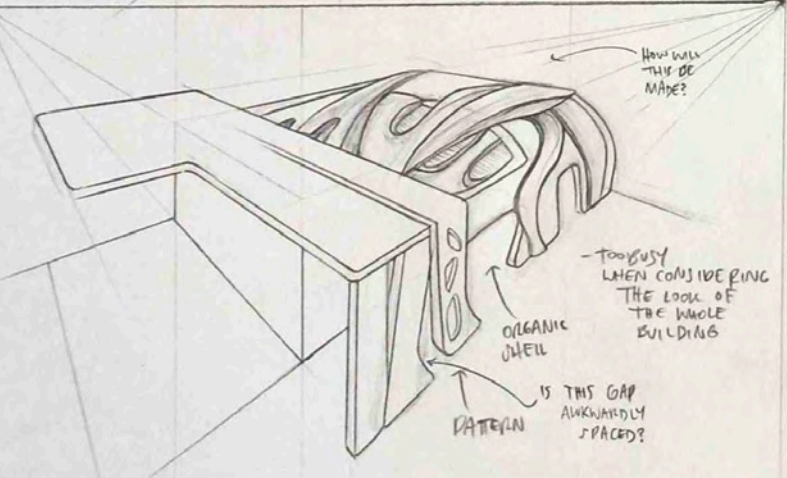
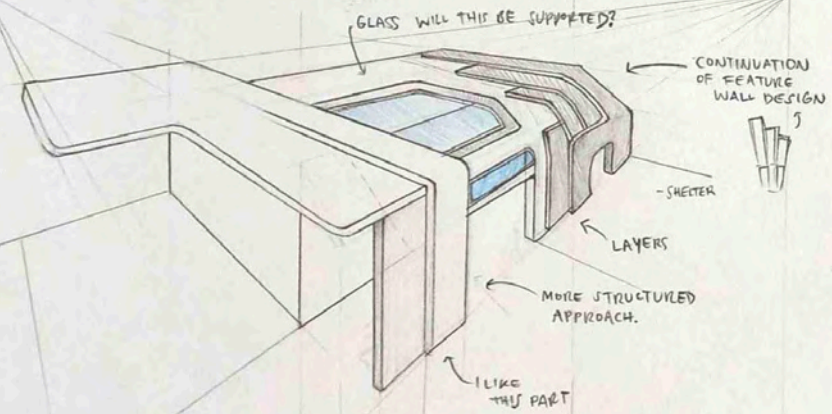
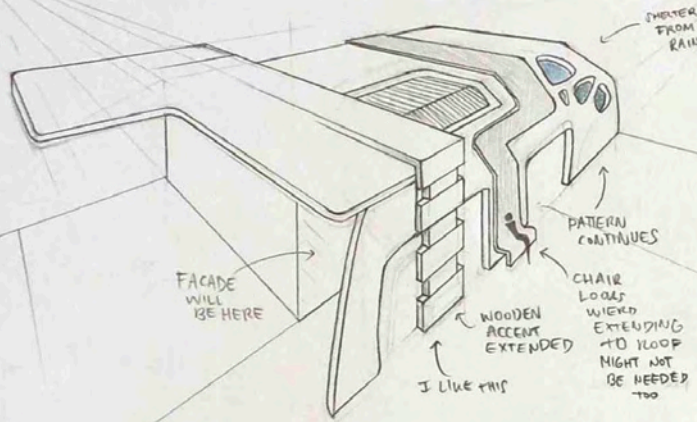
ACCENT COLOUR CONTINUES THROUGH ROOF
IS THIS RAISED TOO HIGH?
PATTERN TO BRING VISUAL INTEREST TO WALL

- ADDITIONAL SEATING (A CHANGED DIRECTION)

STRAIGHT WALL

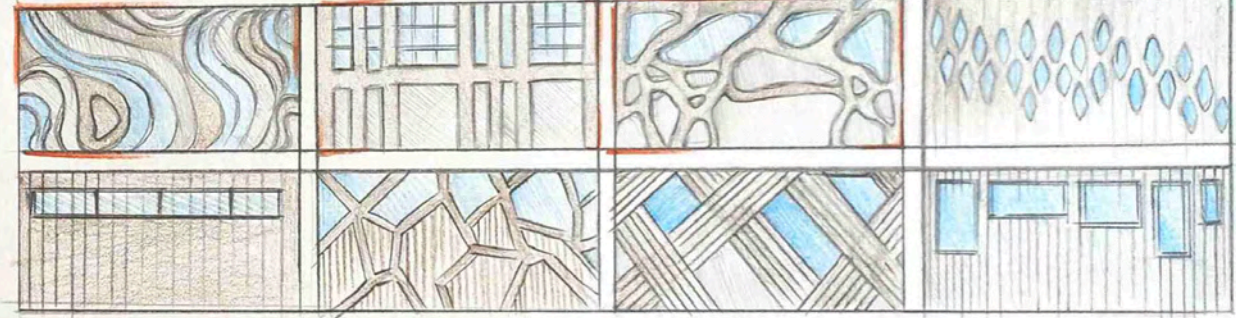
NOT WHEEL CHAIR FRIENDLY

PATHWAY TO WALK TO ENTRANCE



DESIGNS HAVE BEEN INFLUENCED BY MY EXPLORATION

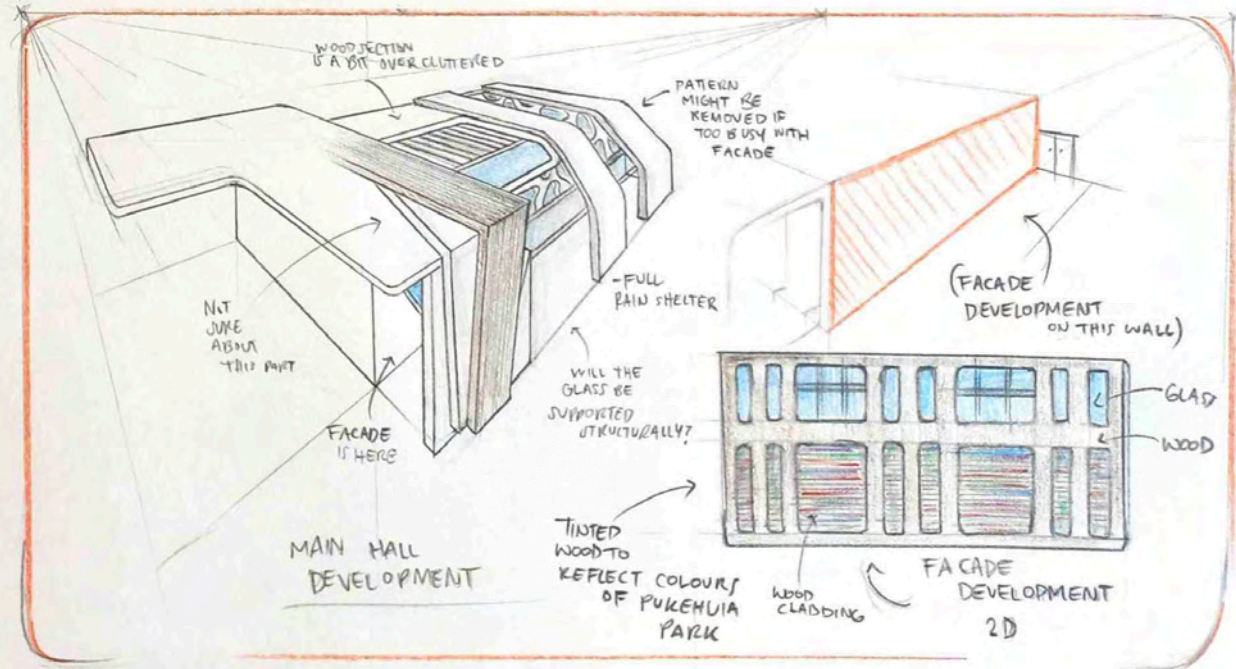
FACADE DEVELOPMENT

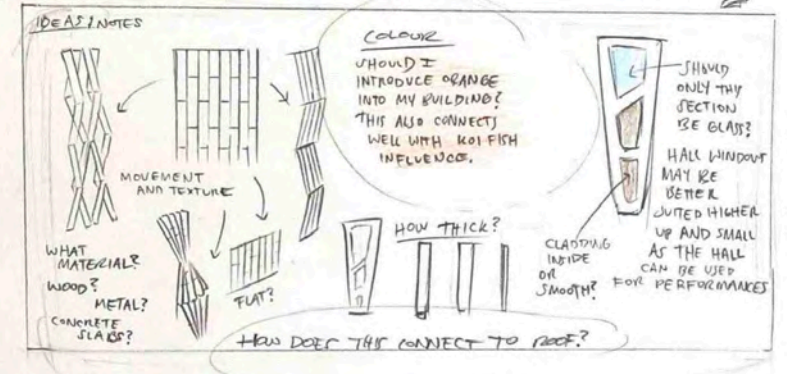
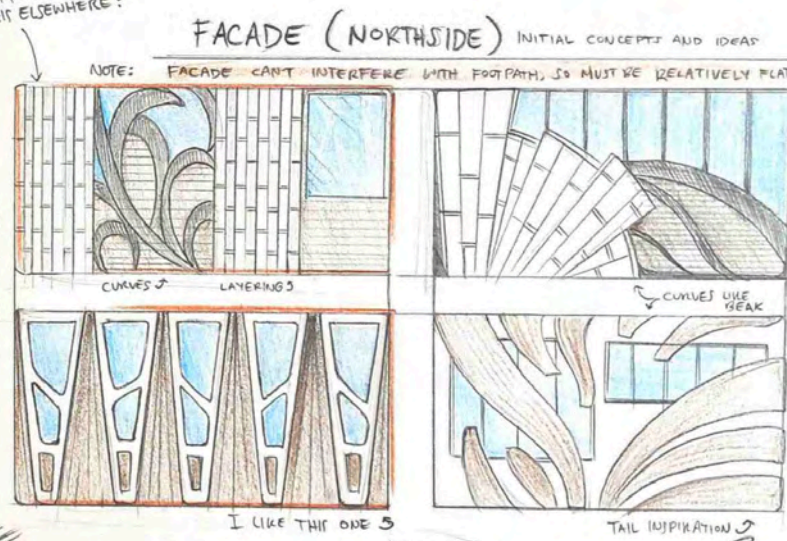
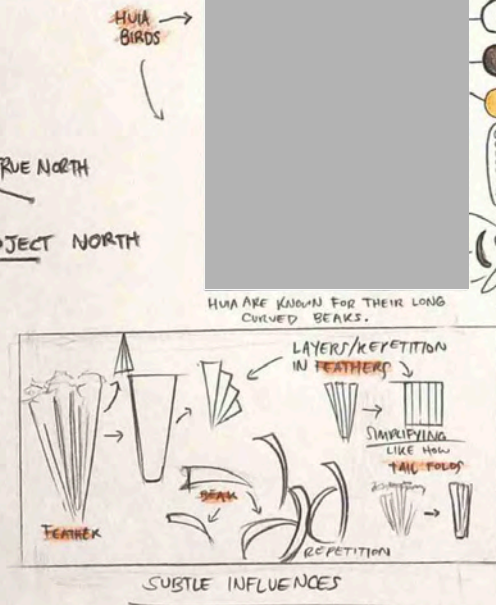
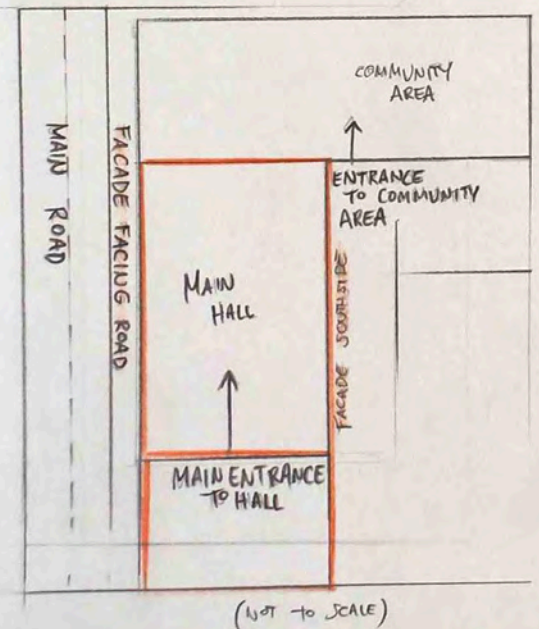
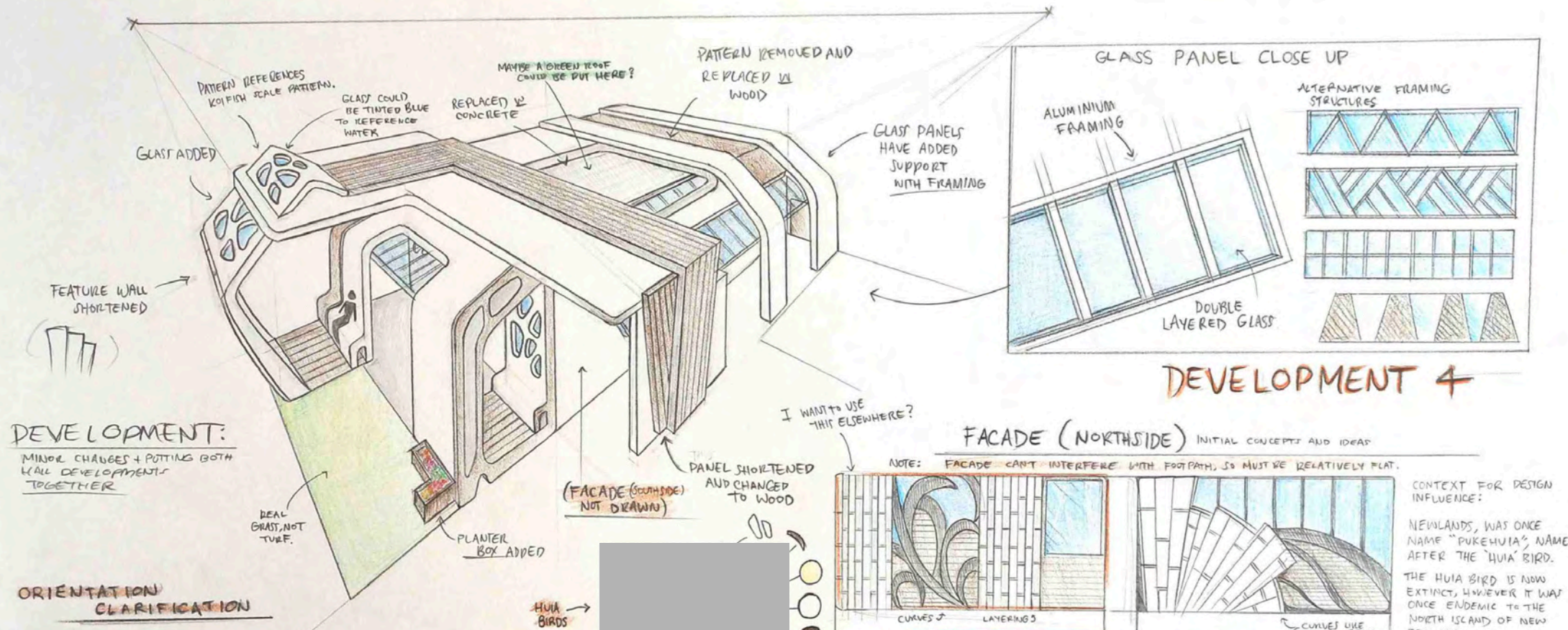


DEVELOPMENT 3

SIDE OF MAIN HALL + FACADE (SOUTHSIDE)

(FACADES MUST BE RELATIVELY FLAT TO ENSURE FOR LARGE ENTRANCE / WALKWAY SPACE)



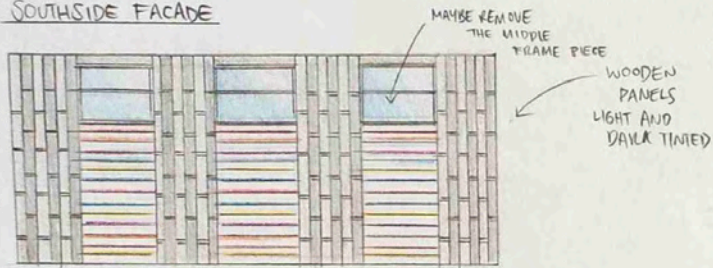


CONTEXT FOR DESIGN INFLUENCE:
NEWLANDS, WAS ONCE NAME "PUKEHUIA", NAMED AFTER THE 'HUIA' BIRD. THE HUIA BIRD IS NOW EXTINCT, HOWEVER IT WAS ONCE ENDEMIC TO THE NORTH ISLAND OF NEW ZEALAND. IN MAORI CULTURE, THE HUIA BIRD WAS 'TAPU' OR SACRED. I WOULD LIKE THE NORTHSIDE FACADE TO BE INSPIRED BY THE HUIA BIRD AS IT IS A SIGNIFICANT PART OF NEWLANDS HISTORY AND CONNECTS WELL WITH THE PARK.

PUKEHUIA PARK HAS SEVERAL DESIGN DETAILS THAT SHOWCASE THE HUIA BIRD, SUCH AS THE MAIN ENTRY SIGN AND THE MURALS.
NOTE: FACADES WILL BE FURTHER DEVELOPED IN NEXT PAGE. THESE ARE JUST INITIAL CONCEPTS.

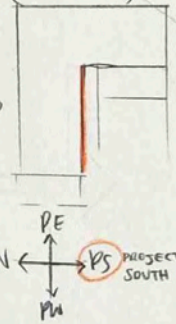
(START HERE ↓)

SOUTHSIDE FACADE

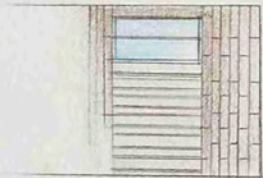


ORIENTATION

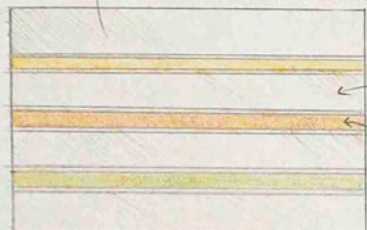
(BASIC LAYOUT)



- TINTED WOOD HAS BEEN CHANGED TO LIGHTING FEATURE
- WOODEN PANELS HAVE BEEN CHANGED
- WINDOWS HAVE ONE HORIZONTAL SUPPORT BEAM / FRAME.

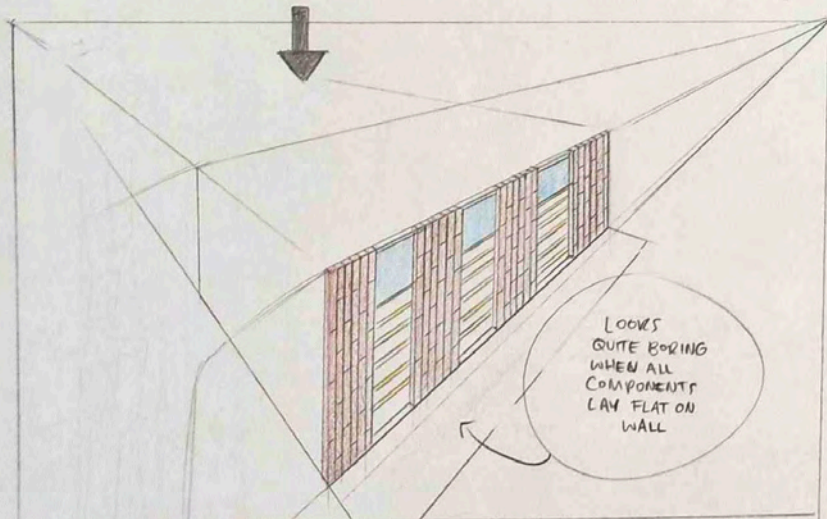


LIGHTING CAN BE TURNED OFF FOR A MORE SIMPLE LOOK



- ADJUSTABLE LIGHTING WITH DIFFERENT COLOURS AND INTENSITY
- LIGHTS UP THE WALKWAY TO THE SECOND/COMMUNITY ENTRANCE.
- MORE VERSATILE
- LED LIGHTING? ARE THERE BETTER ALTERNATIVES?

CONCRETE SLABS
ADJUSTABLE LIGHTING

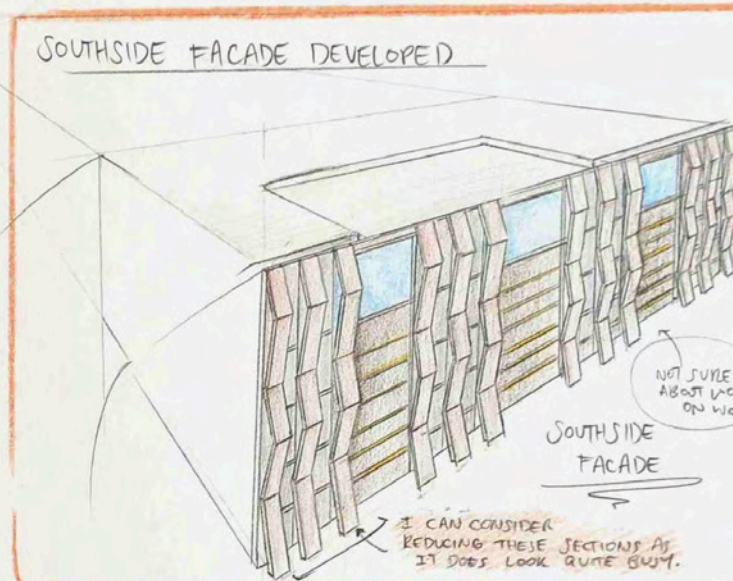


LOOKS QUITE BORING WHEN ALL COMPONENTS LAY FLAT ON WALL

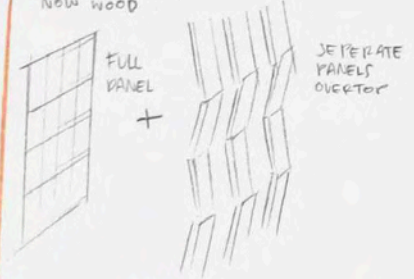
DEVELOPMENT 5

FACADES

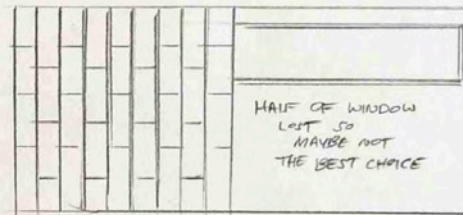
SOUTHSIDE FACADE DEVELOPED



- SMALL ADJUSTMENTS
- 5 PANELS INSTEAD OF 6 (PER SECTION)
 - CONCRETE SLABS NOW WOOD



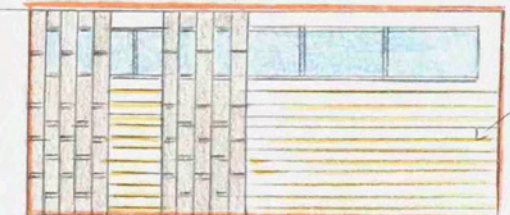
CONTINUED DEVELOPMENT:
SIMPLIFYING...



LARGER / WIDER

REDUCED TO ONE (LONG) WOOD SECTION

(CHOSEN DESIGN)



REDUCED TO ONLY 2 WOOD SECTIONS

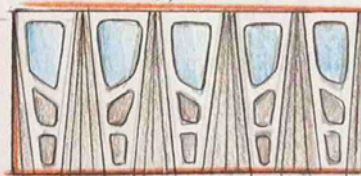
- LESS BUSY BUT STILL HAS VISUAL COMPLEXITY

LIGHT

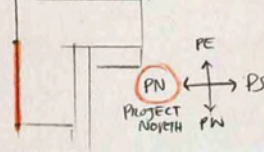
BACK TO CONCRETE AS IT CONTRASTS NICELY WITH WOOD

NORTHSIDE FACADE

I AM HAPPY W THE CURRENT DESIGN: (IN 2-D)



ORIENTATION

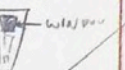


DEVELOPMENT: HOW WILL IT LOOK IN 3-D?



2 LAYERS
- WOOD LAYER
- CONCRETE STRUCTURE LAYER

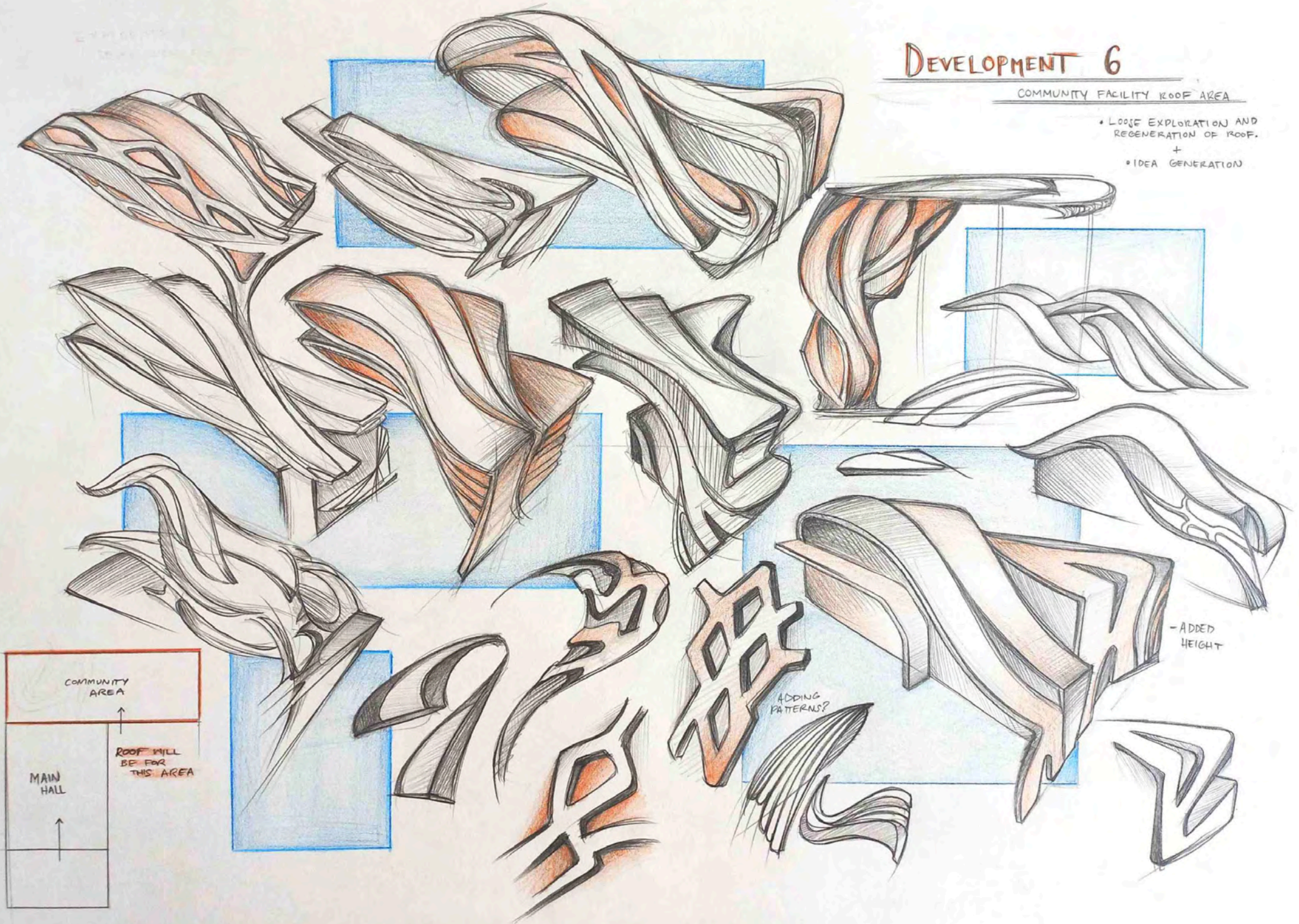
WINDOWS WILL BE ON TOP GAP ONLY



DEVELOPMENT 6

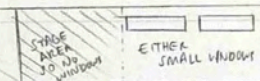
COMMUNITY FACILITY ROOF AREA

- LOOSE EXPLORATION AND REGENERATION OF ROOF.
- +
- IDEA GENERATION



DEVELOPMENT IDEAS:

I LIKE THE OVERALL STRUCTURE OF THIS ONE

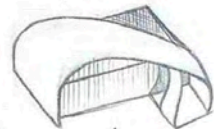


WALL WILL BE SIMPLE AS TREES COVER IT.

LARGE WINDOW

VISUAL EXPLANATION:

BOTTOM LAYER



TOP LAYER



MAIN STRUCTURE 2ND VIEW (PATTERN NOT DRAWN)

IS THE GLASS NEEDED?

PATTERN TOO DISTRACTING HERE. MAYBE I COULD USE IT ELSEWHERE?

KOI FISH

WOOD PATTERN:

-LASER CUT?

ROOF DEVELOPMENT:

ALUMINIUM FRAMING

DOUBLE LAYERED GLASS

SEMI THIS OUTDOOR AREA WILL BE DEVELOPED NEXT.

ADDED SHELTER CURVED ROOF

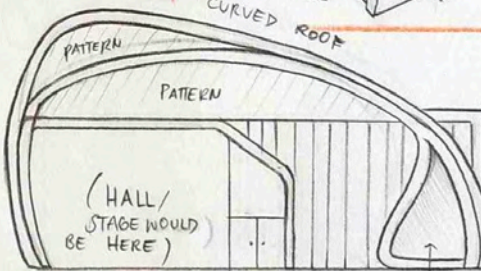
WOOD CLADDING

THESE SECTIONS DO NOT GO PAST THE ORANGE LINE

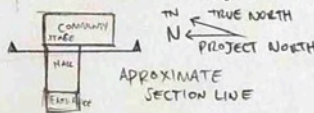
DEVELOPMENT 7

I LIKE THE SMALL DETAIL OF KOI FISH/HUIA BIRD INFLUENCE

BIRD TAIL

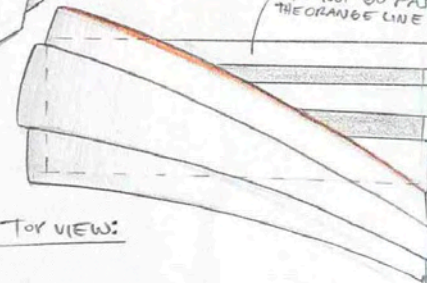


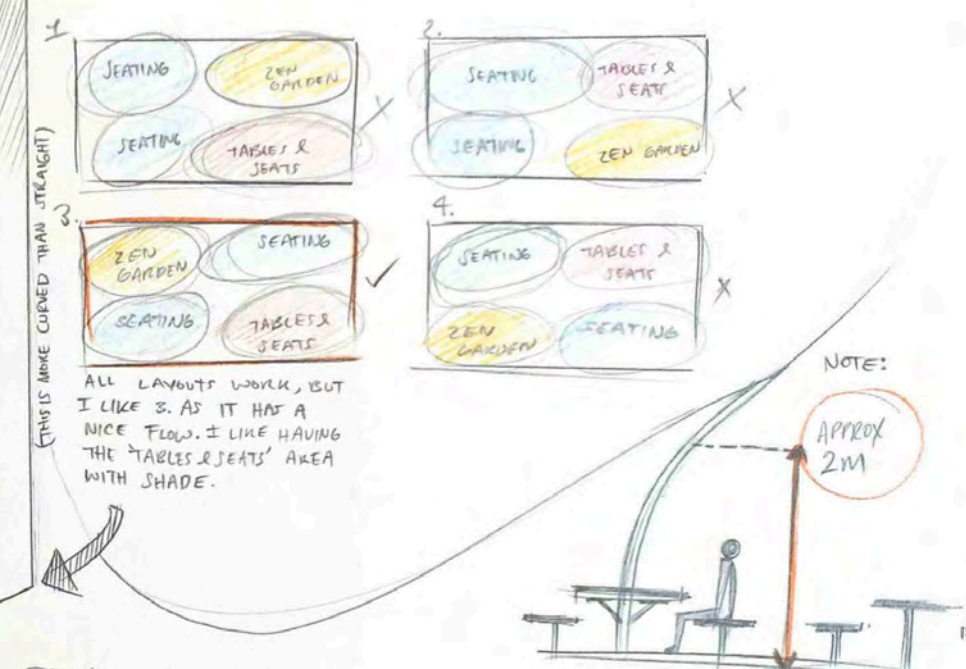
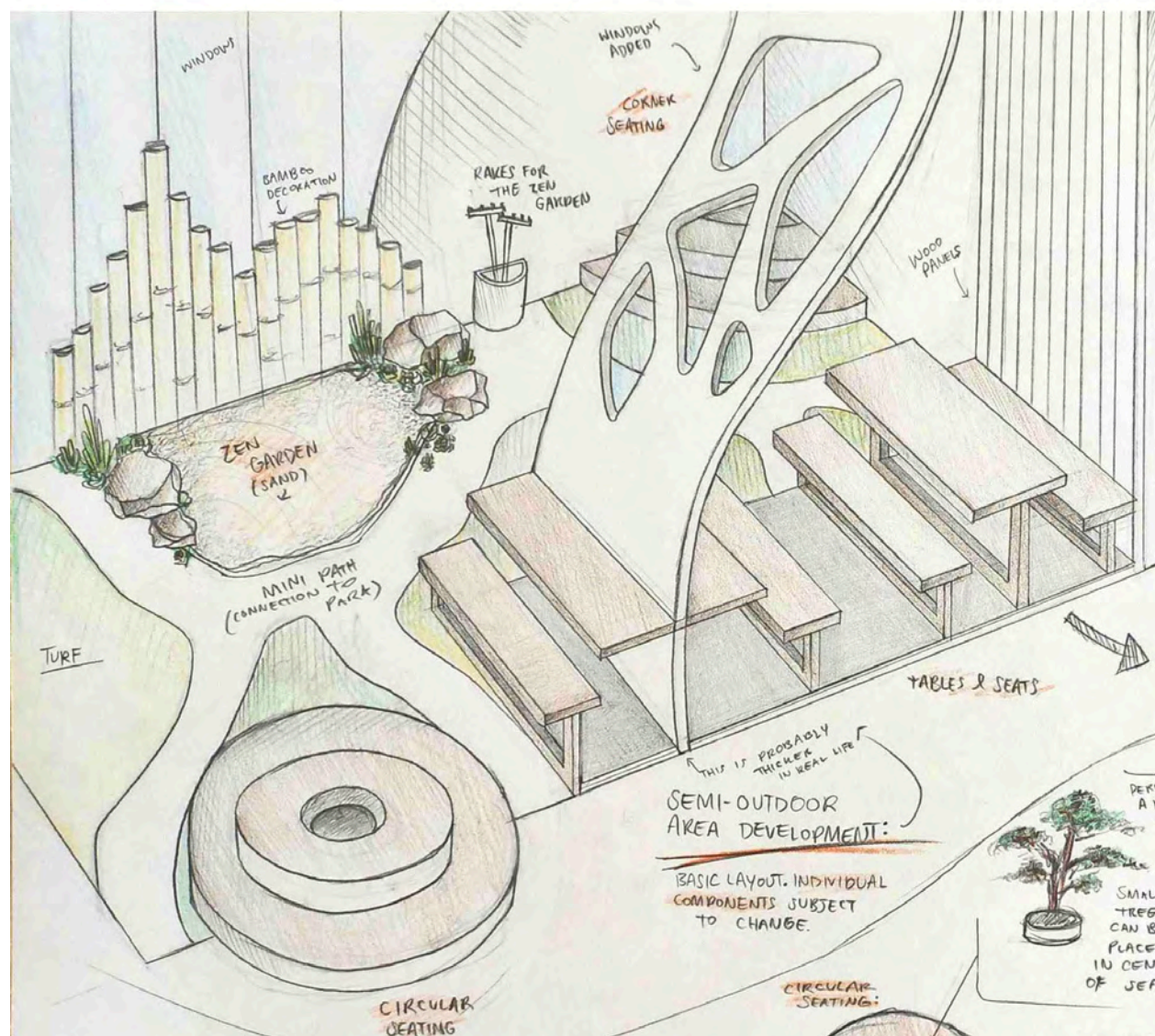
SECTION VIEW (NOT TO SCALE)



APPROXIMATE SECTION LINE

TOP VIEW:

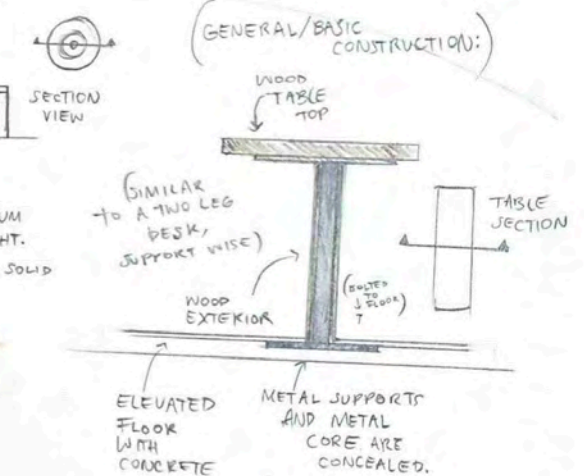
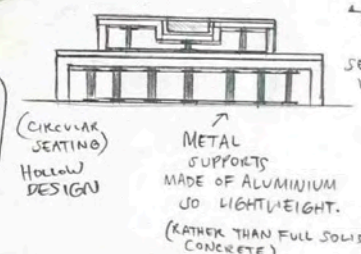




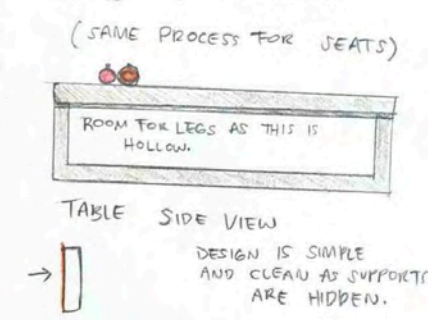
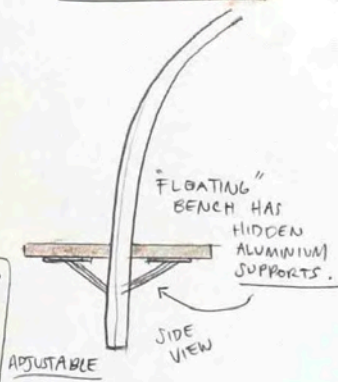
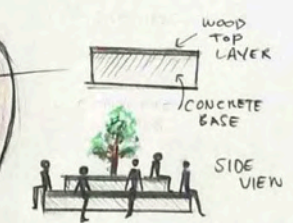
DEVELOPMENT: DEVELOPING INDIVIDUAL COMPONENTS

SEMI-OUTDOOR AREA DEVELOPMENT:

BASIC LAYOUT. INDIVIDUAL COMPONENTS SUBJECT TO CHANGE.



TABLES AND SEATS



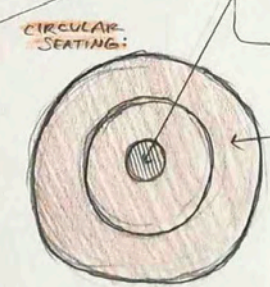
FOR THE CORNER SEATING, A FAKE PLANT COULD BE PUT IN AS THERE IS NOT MUCH SUN EXPOSURE. COULD ALSO BE LEFT HOLLOW AS A STORAGE PLACE FOR BAGS AND BELONGINGS

ZEN GARDEN:

I HAVE DECIDED TO INCLUDE A ZEN GARDEN AS IT ADDS A SENSE OF PEACE/CALMNESS TO THE AREA. ALSO LOW MAINTENANCE AND GREAT FOR COMMUNITY USE.

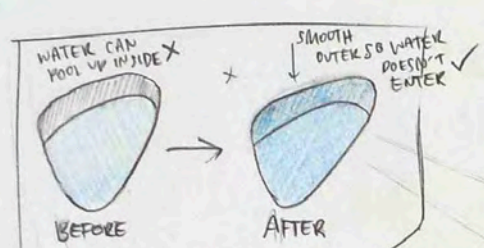
SAND WILL BE FINE AND MIXED WITH GRAVEL. RAKES WILL BE SUPPLIED SO THAT VISITORS CAN CREATE PATTERNS AND INTERACT WITH THE SPACE.

RELATES WELL WITH KOI FISH HABITAT INFLUENCE!

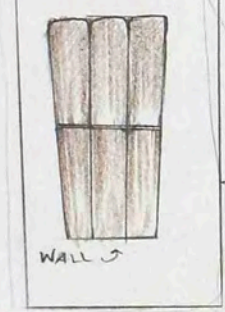


DEVELOPMENT 8

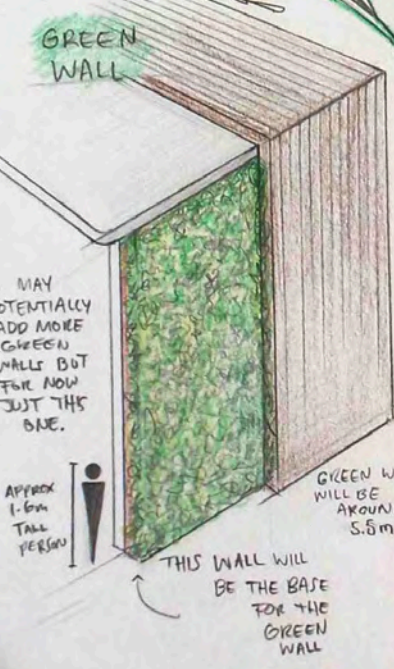
SEMI OUTDOOR AREA



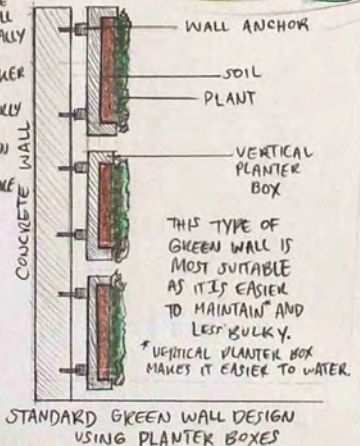
GLASS PLACEMENT HAS CHANGED SO THAT RAINWATER DOESN'T GET COLLECTED IN THE GAPS.



FURTHER DEVELOPMENT:



REGARDING THIS DIAGRAM, THE CONCRETE BASE WALL WILL ACTUALLY HAVE TO BE THICKER IN ORDER TO PROPERLY SUPPORT THE GREEN WALL STRUCTURE



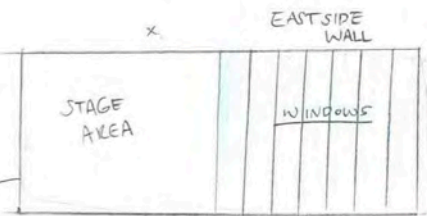
WHY HAVE I DECIDED TO INCORPORATE A GREEN WALL?

- GREEN WALLS ADD A LOT OF VIBRANCE TO MY BUILDING
- GREAT FOR THE ENVIRONMENT, IMPROVING AIR QUALITY AND INCREASING BIO DIVERSITY
- AN OPPORTUNITY TO INCORPORATE MORE NATURE AROUND THE AREA, AND GIVES A NICE FRESH / CLEAN ATMOSPHERE
- NICE CONTRAST WHILE WORKING HARMONIOUSLY WITH THE WOOD TONES IN MY COLOUR PALETTE.



CHANGED FIRST 'ARCH' TO REPLICATE 2ND AS THEY WERE DIFFERENT PREVIOUSLY

ENTRANCE DOORS HAVE BEEN CHANGED TO GLASS TO FIT WITH OVERALL AESTHETIC AND TO MAKE THE AREA FEEL MORE OPEN.

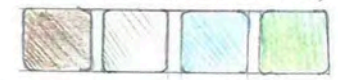


LOOKING FROM INSIDE BUILDING, LEFT SIDE IS PART OF STAGE / BACKSTAGE AREA SO WINDOW WILL BE LEFT OUT.

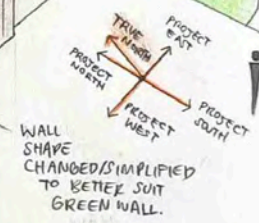
DEVELOPMENT

9: PUTTING DEVELOPMENT TOGETHER + MINOR CHANGES + ADDING GREEN ROOF AND WALL.

COLOUR PALETTE (BASIC)



SEMI-OUTDOOR COMPONENTS NOT DRAWN HERE FOR CLARITY (EATING AND TABLES ETC.)



WALL SHAPE CHANGED / IMPLIED TO BETTER SUIT GREEN WALL.

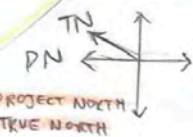
GREEN WALL WILL BE ADDED HERE.

CHANGED TO GLASS TO FEEL MORE OPEN.

NOW GLASS INSTEAD OF CONCRETE

(FACADE NOT DRAWN)

CURVE IS LESS TILTED / ARCHED AT BASE TO ALLOW FOR MORE SPACE VERTICALLY. THIS IS IDEAL FOR THE EATING AREA.



GREEN ROOF

TOP VIEW

(COMMUNITY CENTRE ROOF NOT DRAWN FOR CLARITY)

PHOTO EXAMPLES:

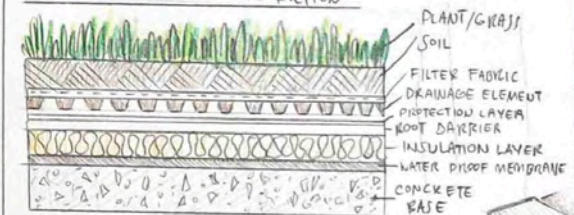


GREEN WALL



GREEN ROOF

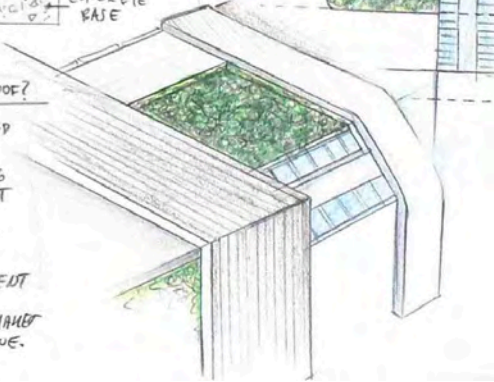
STANDARD GREEN ROOF CONSTRUCTION



WHY HAVE I DECIDED TO INCORPORATE A GREEN ROOF?

RAIN

- THE CURVATURE SECTION SEEMED EMPTY AND COULD EASILY POOL UP WITH WATER, MAKING IT BOTH NOT FUNCTIONAL AND NOT AESTHETICALLY PLEASING.
- A GREEN ROOF WILL SOLVE THIS DRAINAGE PROBLEM WHILE BENEFITING THE ENVIRONMENT AND COMMUNITY. I ALSO FEEL THAT THE ADDED GREENERY MAKES MY BUILDING LOOK MORE UNIQUE.



OUTDOOR LIGHTING + MINOR CHANGES

I HAVE CHOSEN TO USE LED (LIGHT EMITTING DIODES) LIGHTING DUE TO IT'S GREATER ENERGY EFFICIENCY AND DURABILITY WHEN COMPARED TO OTHER LIGHTING OPTIONS.


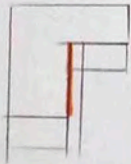
SAFETY: LED IS GENERALLY A SAFER LIGHTING OPTION AS THEY ARE OFTEN CONSTRUCTED WITH PLASTIC MATERIALS RATHER THAN GLASS (WHICH IS USED FOR INCANDESCENT AND CFL). IN AN OUTDOOR SETTING, IF AN ACCIDENT WERE TO OCCUR AND THE LIGHTING WAS DAMAGED, GLASS WOULD BE A GREATER HAZARD.

CFLS CONTAIN MERCURY, A HIGHLY TOXIC SUBSTANCE THAT CAN HARM INDIVIDUALS AND THE ENVIRONMENT IF EXPOSED. CAN POSE AS A SERIOUS HEALTH RISK POTENTIALLY, AND THEREFORE SHOULD NOT BE USED AT THIS COMMERCIAL SCALE.

LED LIGHTING IS MORE ENERGY EFFICIENT AND COST EFFECTIVE. THIS IS MOST IDEAL AT A COMMERCIAL SCALE WHERE MANY LIGHTING INSTALLMENTS WILL BE USED THROUGHOUT THE BUILDING. LED LIGHTING ALSO HAS LESS ENVIRONMENTAL IMPACT IN TERM OF ITS DECREASED CARBON EMISSIONS.

LED LIGHTING IS ALSO BETTER SUITED IN OUTDOOR SETTINGS AS IT IS NOT AFFECTED BY HUMIDITY OR TEMPERATURE RESTRICTIONS THAT AN OUTDOOR SETTING COULD CAUSE. LOW MAINTENANCE AND BETTER OVERALL.

THE SOUTHSIDE WALL
ALREADY HAS LED LIGHTING
PANELS INSTALLED. THIS
SHOULD BE ENOUGH TO
LIGHT UP THE WALKWAY
TO THE COMMUNITY CENTRE
ENTRANCE.



LIGHTING EXAMPLES

THERE ARE FIVE MAIN SECTIONS THAT REQUIRE LIGHTING FOR SAFETY AND USER FRIENDLINESS.

TN = TRUE NORTH

5 AREAS:

- NORTH SIDE WALL
- EAST SIDE WALL
- SEMI-OUTDOOR AREA
- SOUTH SIDE WALL
- MAIN HALL ENTRANCE AREA.

AREAS WITH
THESE PATTERN
ELEMENTS WILL
NOW HAVE CUSTOM
SHAPED LED PANELS
FOR EXTRA LIGHTING.

MAIN ROAD

MAIN ENTRANCE

THESE PANELS ARE WATERPROOF

PLAN

THESE
PANELS ARE
WATERPROOF

LED LIGHTING PANELS
WILL BE ADDED TO THE
SIDES OF THESE STRUCTURES TO
HELP ILLUMINATE THE WALKWAY/PATH
TO THE MAIN ENTRANCE.

BLUE COLOUR IS EXAGGERATED TO INDICATE LIGHT (OR GLASS)

(LIGHTS
WILL BE
SMALLER
IN REAL
LIFE)

ROOFING COMPONENT
HAS BEEN EXTENDED
PAST THE EASTSIDE WALL
SO THAT LIGHTING
CAN BE INSTALLED
AND MORE SHELTER
IS PROVIDED.



NOTE:
SOME PARTS
OF THE BUILDING
HAVE NOT BEEN
DRAWN FOR
CLARITY.

OF THE BUILDING OF THE BUILDING HAVE NOT BEEN DRAWN FOR CLARITY.

← MAIN ROAD

FLOOR LIGHTS →

SOUTH-FACE

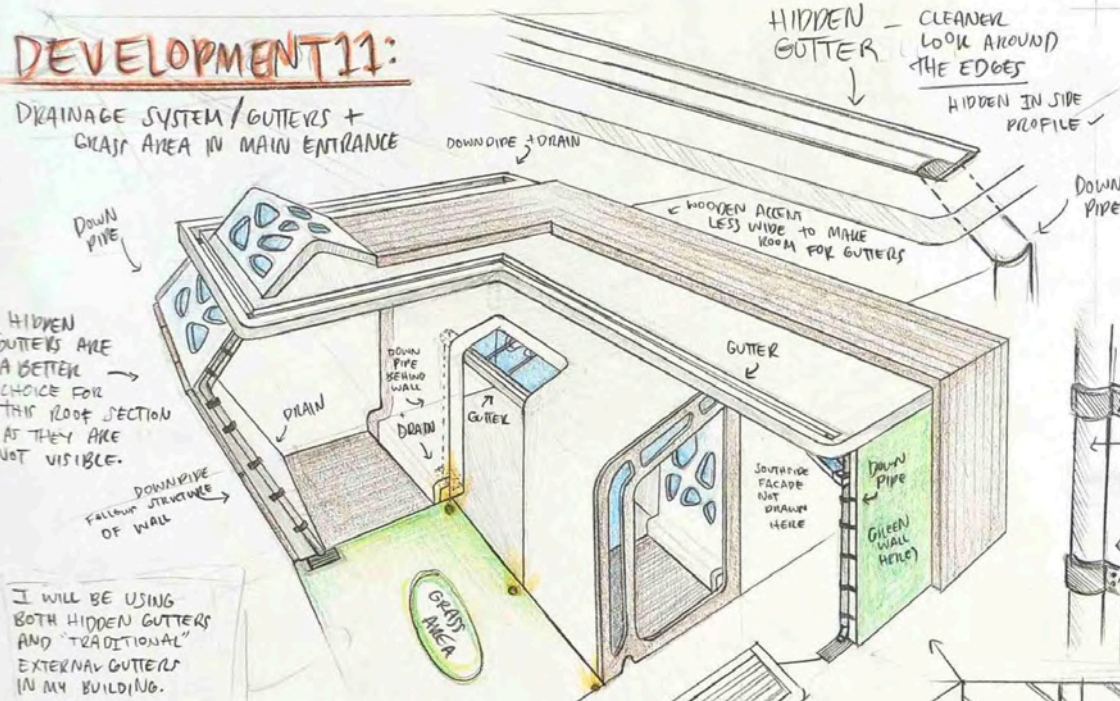
FLOOR
LIGHTS -

LIGHTING
WILL BE
PLACED
THROUGHOUT
MAIN ENTRANCE
AREA.

THESE LIGHTS
(AND ALL OF THE
LIGHTS USED IN
THE BUILDING)
ARE ADJUSTABLE,
SO CAN BE
DIMMED OR
TURNED OFF
DURING THE DAY,
AND BRIGHTENED
AT NIGHT.

DEVELOPMENT 11:

DRAINAGE SYSTEM / GUTTERS + GRASS AREA IN MAIN ENTRANCE



I WILL BE USING BOTH HIDDEN GUTTERS AND "TRADITIONAL" EXTERNAL GUTTERS IN MY BUILDING.

I HAVE CHOSEN TO USE A SIMPLE SQUARE PROFILE FOR BOTH GUTTERS

A-TRADITIONAL EXTERNAL GUTTER LOOKS BETTER AND IS EASIER TO ATTACH FOR MY GLASS ROOF.

TYPES OF GUTTERING

HIDDEN / BUILT-IN GUTTERS

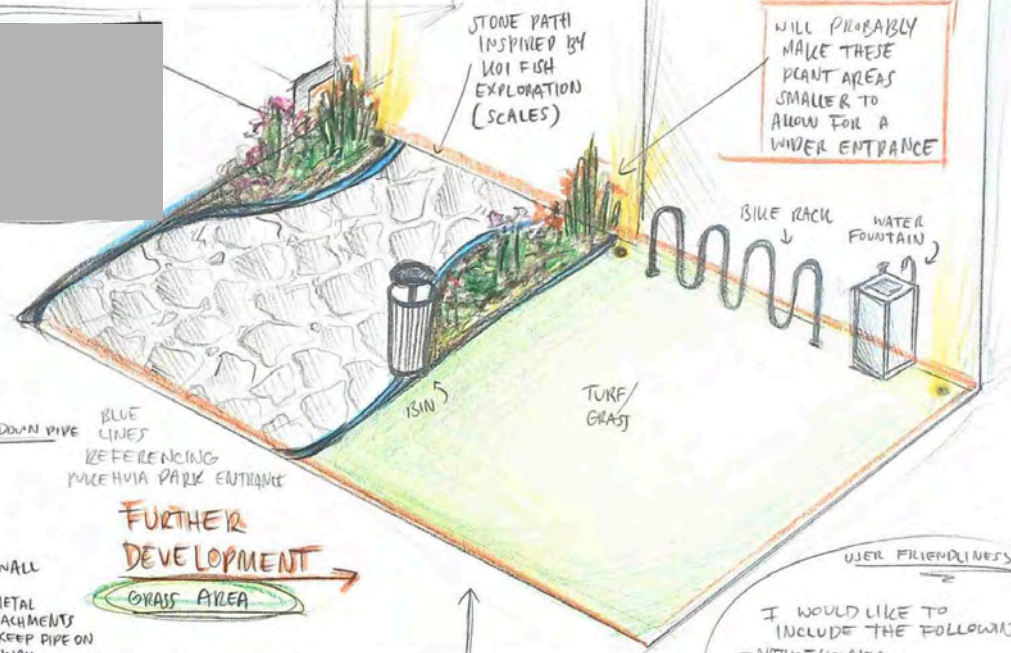
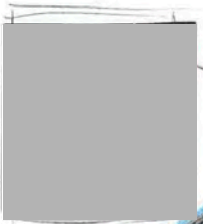
HIDDEN GUTTERS ARE CONSTRUCTED WITHIN THE ROOFING. THEY ALLOW FOR A MORE CLEAN AND LESS BULKY ROOF.

TRADITIONAL GUTTERS

TRADITIONAL GUTTERS ARE ADDED EXTERNALLY AT THE EDGE OF THE ROOF. THEY ARE VISIBLE AND CAN SOMETIMES BE DISTRACTIVE, DEPENDING ON THE LOOK OF THE ROOF.

WHY AM I USING GUTTERS IN MY BUILDING? INTEGRATING GUTTERS INTO MY BUILDING ALLOW FOR PROPER MANAGEMENT OF EXCESS RAINWATER. I HAVE DECIDED TO PUT GUTTERS IN AREAS WHERE RAINWATER CAN POTENTIALLY DISRUPT VISITORS FROM ENTERING THE BUILDING AND ALSO IN CERTAIN ROOF SECTIONS WHERE NECESSARY.

EASTSIDE WALL AREA WILL ALSO HAVE GUTTERS



GRASS AREA OPTIONS

BUCK BRAINSTORMING



BLOCKS GIVE ENTRY TOO MUCH.

I LIKE THE STONE ENTRY. USE CONTRAST

PLANTS NOT SURE ABOUT PUTTING PLANTS ON THE SIDE AS IT BLOCKS RIGHT SIDE ENTRY

DOORS

OPTIONS:



STANDARD WIDE DOOR
 • NOT AS ACCESSIBLE PARTICULARLY FOR WHEELCHAIR USERS OR ELDERLY WHO MAY HAVE TROUBLE PUSHING/PULLING.
 • WHEREAS IS GOOD
 • LOCKING SYSTEM IS NOT AS USER FRIENDLY + HAVE TO KEEP KEYS SO NOT GOOD FOR COMMUNITY USE.

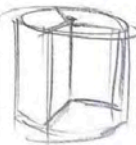
AUTOMATIC DOOR



AUTOMATIC DOOR
 • BEST OPTION, VERY ACCESSIBLE AND WIDE ENOUGH FOR ALL USERS. LOCKING SYSTEM IS ALSO MORE USER FRIENDLY FOR COMMUNITY USE. PERHAPS A PIN OR CARD SYSTEM? MORE CONVENIENT THAN CARRYING KEYS.



SINGLE DOOR
 • NOT A GOOD CHOICE AS FEWER INDIVIDUALS CAN FIT THROUGH.
 • CAN CAUSE CIRCULATION ISSUES FOR PEOPLE ENTERING AND EXITING.

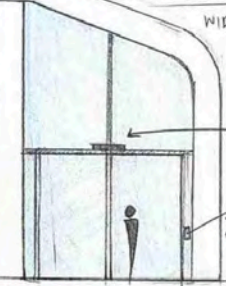


CYLINDRICAL DOOR
 NOT USER FRIENDLY NOR ACCESSIBLE. TOO BULKY AND DOESN'T LOOK COHESIVE WITH MY DESIGN. NOT A GOOD CHOICE

ADDITIONAL DEVELOPMENT:

ILLUSION THAT DOOR EXTENDS TO ROOFLINE.

WIDE DOOR ENSURES MAXIMUM ACCESSIBILITY



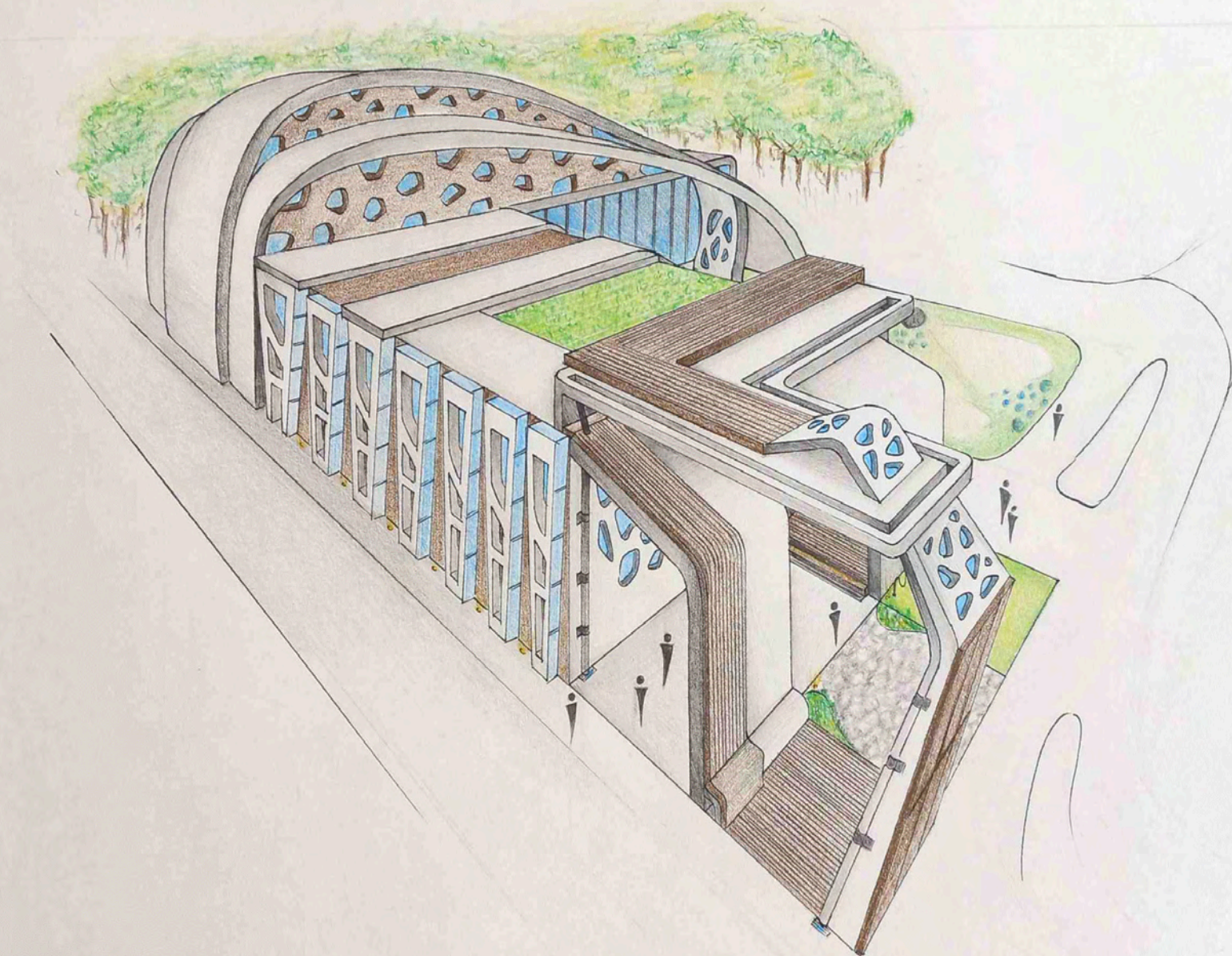
ENTRANCE TO COMMUNITY CENTRE PART OF HALL

SOME OF THIS WATER CAN BE COLLECTED AND USED TO WATER THE PLANTS THAT SURROUND THE PARK AND HALL.

LIGHTS HAVE BEEN MOVED BACK TO MAKE ROOM FOR GUTTERS, AND ALSO REDUCED IN SIZE.

PUKEHUIA
COMMUNITY HALL
NEWLANDS CENTENNIAL HALL REDESIGN





Excellence

Subject: Design and Visual Communication

Standard: 91627

Total score: 07

Grade score	Marker commentary
E7	This submission is assessed at Excellence and includes an extensive interrogation and regeneration of starting point. This led to some highly effective initial design ideas that are derived from initial work. The candidate continued to reinterpret their train of thought, with purpose, to the development of the design, and further design elements. The theme is extended through aspects such as the main entrance, facades, and within parts of the interior features – clearly transforming the design.