Exemplar

AS 91627 (3.34) Initiate design ideas through exploration. (4 credits)

Achievement	Achievement with Merit	Achievement with Excellence
Initiate design ideas through	Initiate design ideas through	Initiate design ideas through
exploration	insightful exploration	extensive exploration

Marking Schedule

Use starting experiences and visual communication strategies to explore alternatives and variations to expand design thinking.	Use visual communication strategies to show considered alternatives and variations for the purpose of analysing and re- interpreting ideas.	Use visual communication strategies to show divergent and perceptive alternatives and variations.
Ideas are re-generated from alternatives and variations which lead towards design ideas.	Ideas identify an emerging train of thought that informs design ideas.	Train of thought extend and transform design ideas

Commentary: This submission is assessed at high Merit.

This submission is of the ideation that precedes a sports pavilion.

It is based on a mood board of fungi, and later incorporates further inspiration from Zaha Hadid and her Sleuk Rith Institute in Cambodia. This submission initially uses sketching techniques to explore alternatives and variations of the fungal shapes, these are re-generated into simple paper models re-iterating the derived forms and patterns that the student has selected. A feature of this work is how the patterns have been printed onto paper and these are folded into ideation models; this illustrates consideration of alternatives and variations that have been analysed and re-interpreted, showing evidence of an emerging 'train of thought'.

There is divergent thinking in evidence with the 3-dimensional patterns being woven into forms but the ideation does not advance the thinking to perceptive opportunities, rather the ideations starts to converge on a solution and misses the opportunities for extension and transformation. The ideation is finishes here with the solution for the sports pavilion being resolved with simpler forms, with an applied pattern.











INSPIRATION MOOD BOARD



























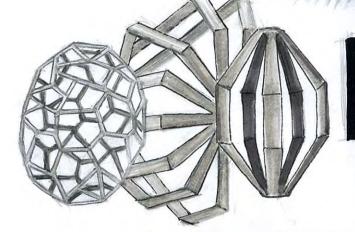




The overlapping veins that vary in length slotted togeather coming out of the wall of the mushroom allude to a sort of pannel effect, which look very modern as a feature of a building.



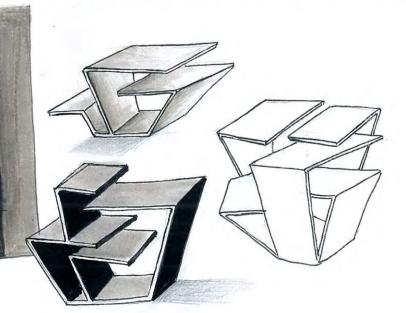
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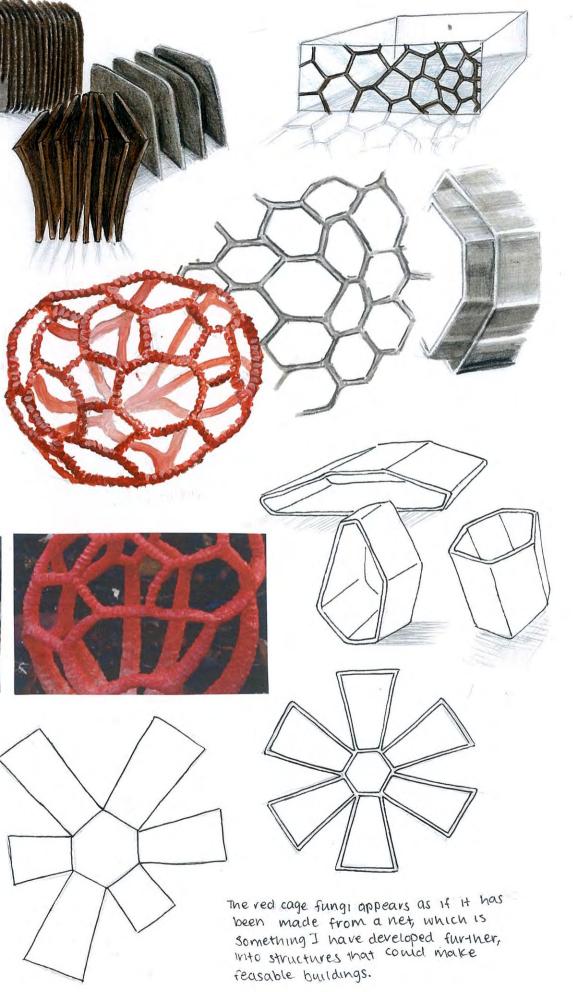






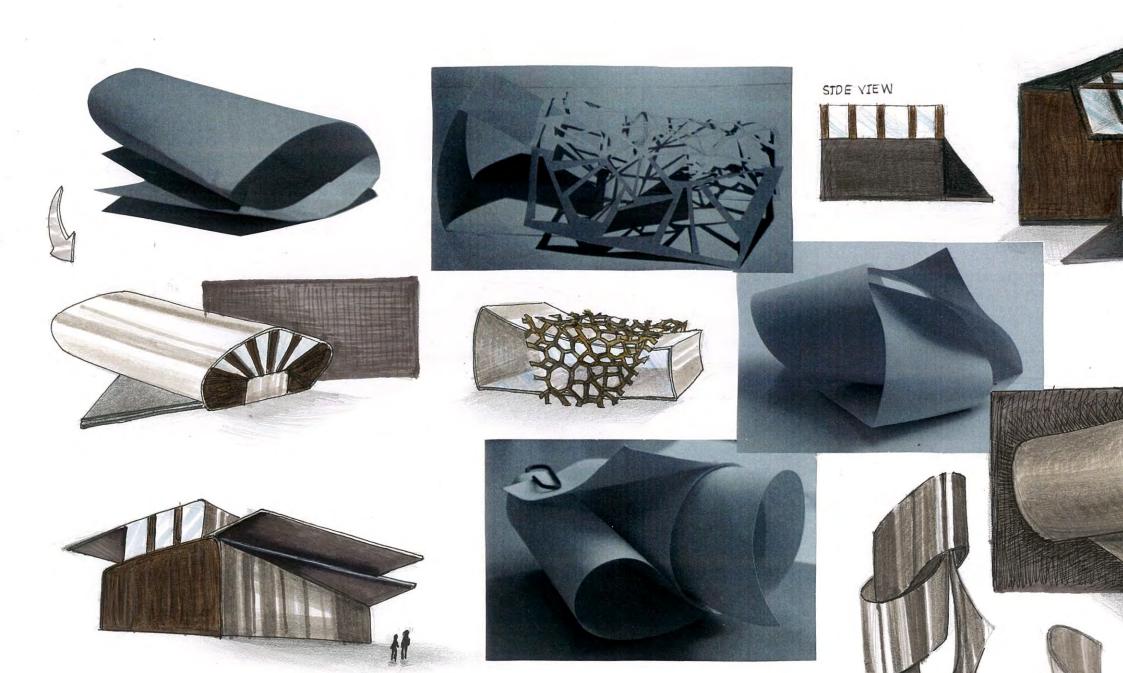
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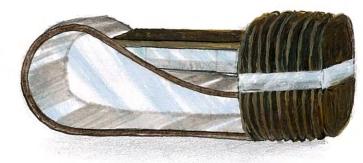


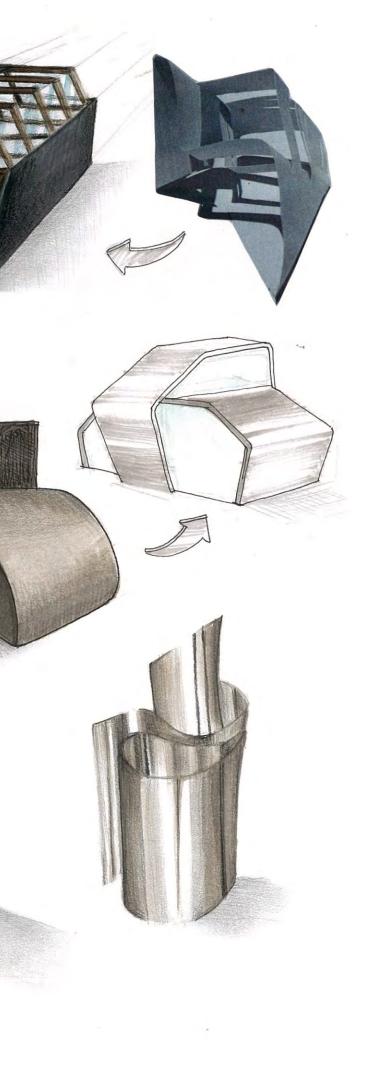


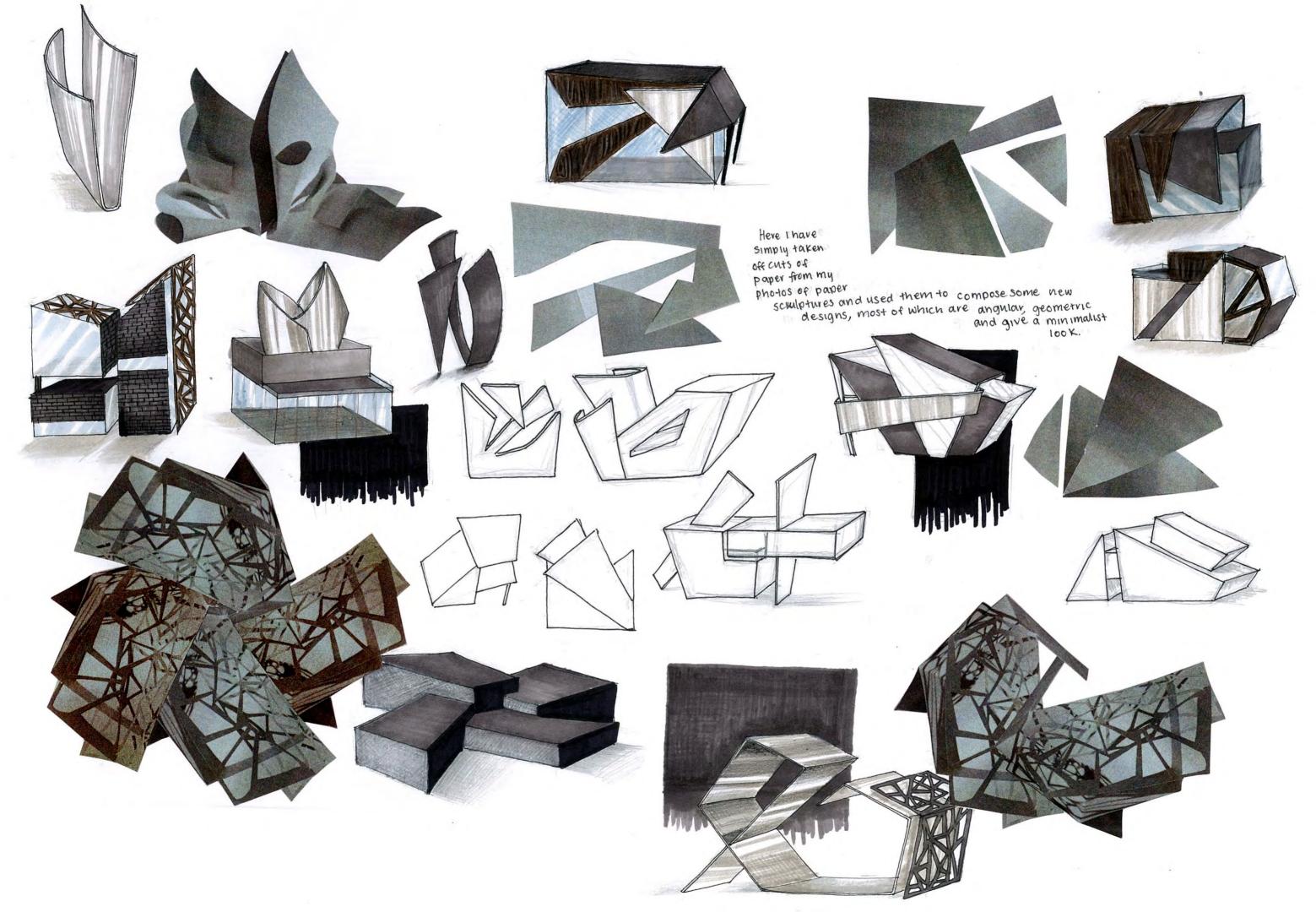




This is extending on from the ideas I have explored through studying elements of mushrooms but my main focus of this is to create new forms, structures that would be feasable for a pavillion design, that I can apply and combine with ideas from the mushroom ideation.







This design here and the one on the vight are derived from my mushroom forms in earlier ideation.

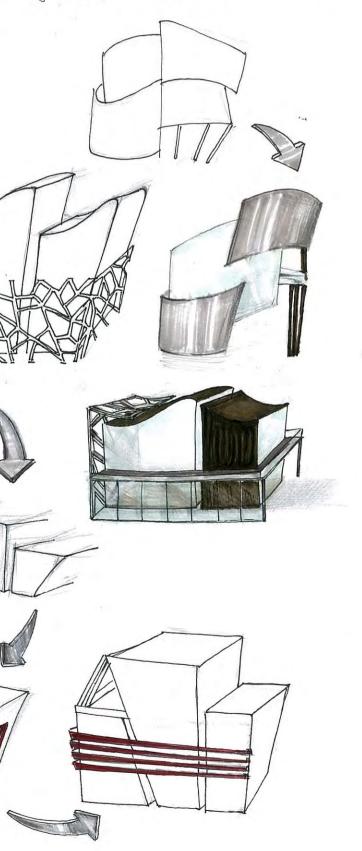
These two building structures are denved from my paper architecture Ideation. Because their shapes are so bulky and rather simplistic I have decided to explore materials - the effect they have on the. forms in terms of adding aesthatic interest.



Because of the need for two stories I have animed the Because of the need for two stories I have animed the U structure of this building, compressing it, but still Reeping it's vital elements, the curved roof and disconnected wall that wraps avound part of the building. The structure interms of the three distinct sections have been taken from the format below.



The building I have been exploring here is one of my favourites, thus I will continue to explore aspects of it and combine it with other designs that have originated from different parts of my ideation. I like the front view & the pannells ibarticularly and the roof shape, these aspects I will try to bring through in My chosen concepts.



On this page I have reverted back to exploring dome forms to initiate initial ideas.

This is an experiment of various elements of mushroom ideation, as a form it is very interesting nowever as a structure or building

The circular roof allows me to use a skylight that mimics the underside of a mush room. This is a really interesting feature

H

In Verse

MAGIKE It

grass

Colours

Although I like the look of these curved domes, I think I am ultimately going to have to reject them due to the fact that they would be very impractical interms of space inside for rooms and the way space would be divided. Construction might also be an issue.



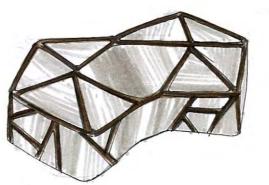
tion has been encorporated on the two sides pushed back.

Heve I have divided this building vertically into 3 from the front view and have pulled out the middle section.

the geometric pattern from the mushroom idea-

12.5 11



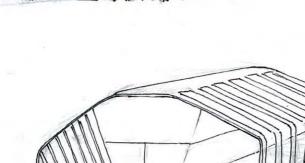






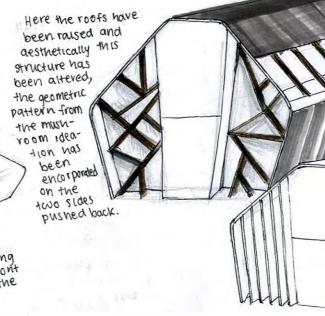
This structure came from the paper architecture 1 deation and has been has been accessorised with elements from the mushroom ideation - skylighte the curve of stairs.

This drawing demonstrates how an over hanging roof/section of a building looks aesthetically.





RIGHT SIDE VIEW



Here I have developed two of my previous Initial ideas by adding sweeping curves in order to allow appropriate space for an outdoor viewing area.

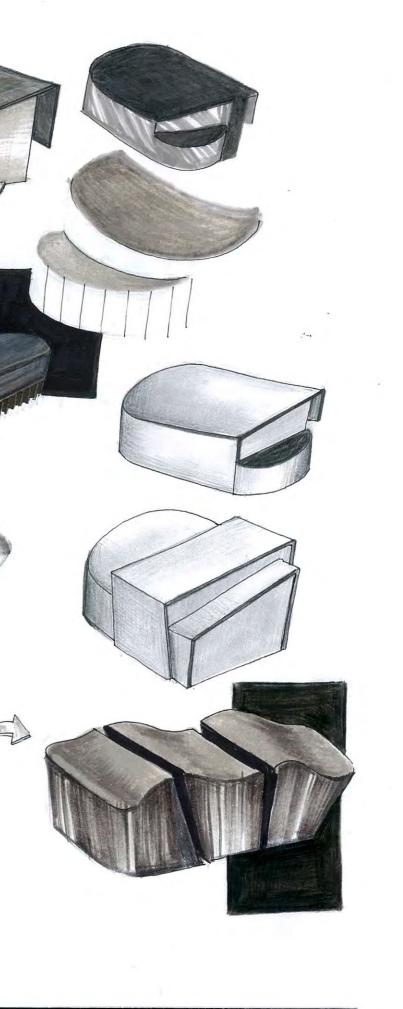
The brief requires an out door Newing area so I have attempted to incorporate it into this design that I explored as an initial idea, this exploration has led me to change the form on it's left side, so it now is n't symmetrical.

Here I have raised this left wall in order to create a suitable viewing area. This form seems illee the most suitable because there will be no large curve effecting the floor plan that would make dividing up interior space awkward.

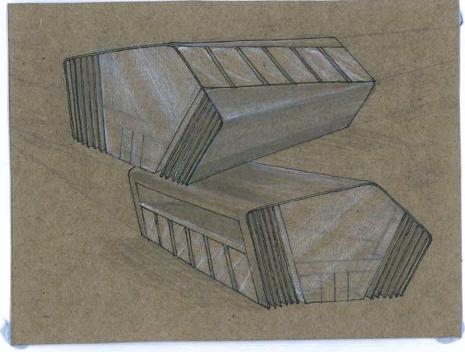
As a shape I am really pleased with this to be explored and further evaluated as my final building.

This drawing indicates that the bottom floor is going to be swialler in avea than the Pop floor. Referring back to the main mushroom forms and refocussing on different elements allows new forms to be created. I have altered these by adding curves to the foof.





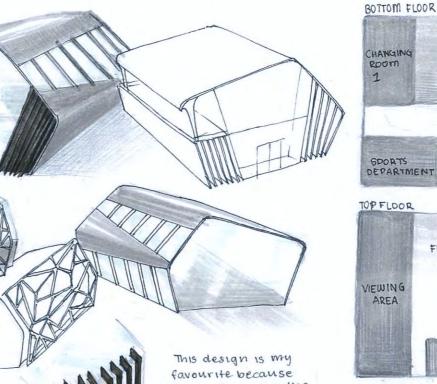




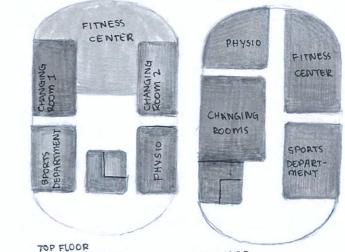
CHOSEN CONCEPTS



OPTION TWO



This design is my favourite because I like the way the form appears with the angled windows It 100 is veally modern The alternated versions of it's aethetics look better than quat of the ones below in the second concept.



FUNCTION

AREA

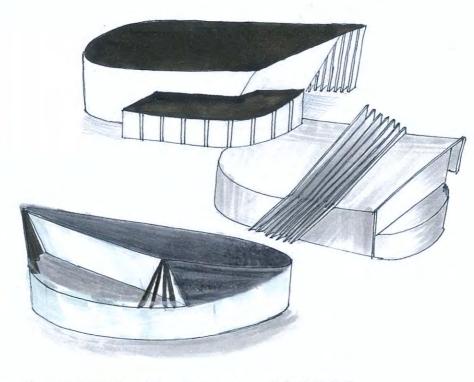
OUTDOOR VIEWING

AREA

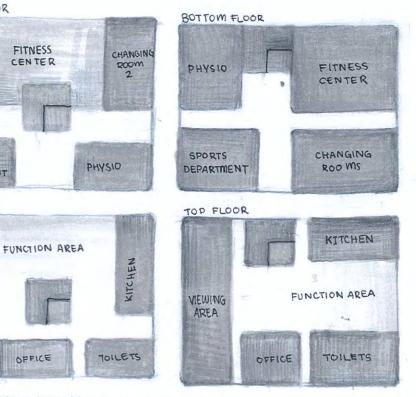
KITCHEN

TOILETS

BOTTOM FLOOR



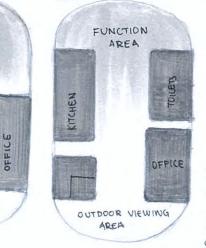
The main problem with this design, I feel is the curves that hinder effective use of space and I do not think the curves will work well with the potential sites as they are more suited for square or rectangular shapes. I also prefer the style of the other concept on the top left hand corner (option 1). So I am going to reject option 2.



The square/rectangular bubble diagrams above are associated with my first chosen initial idea and the diagrams below are intended for the second chosen idea which has rounded ends.

BOTTOM FLOOR

TOPFLOOR



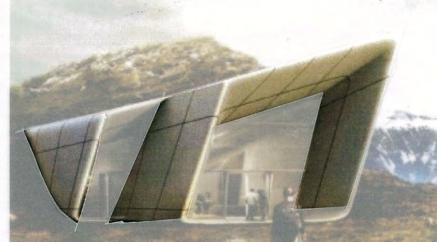
The bubble diagrams show my initial vision for the Interior Layout of my building. I have intended to keep the top floor distinctly separate from the bottom in terms of use. The top floor is more formal and clean whilst the bottom floor is reserved more for the athletes practical use, It is more informal. I thought hear the entrance it was important to have the main admin/office space which is the sports department. I have placed a smaller second office upstairs for additional use to accomodate the four staff members expected to work in the building. The upstairs function area is quite different from the other rooms as I have made the space open plan, which will work quite well with the outdoor viewing avea.

INSPIRATIONAL ARCHITECT: ZAHA HADID

Zaha Hadid's Sleuk Rith Institute Sprouts like a Forest in Cambool

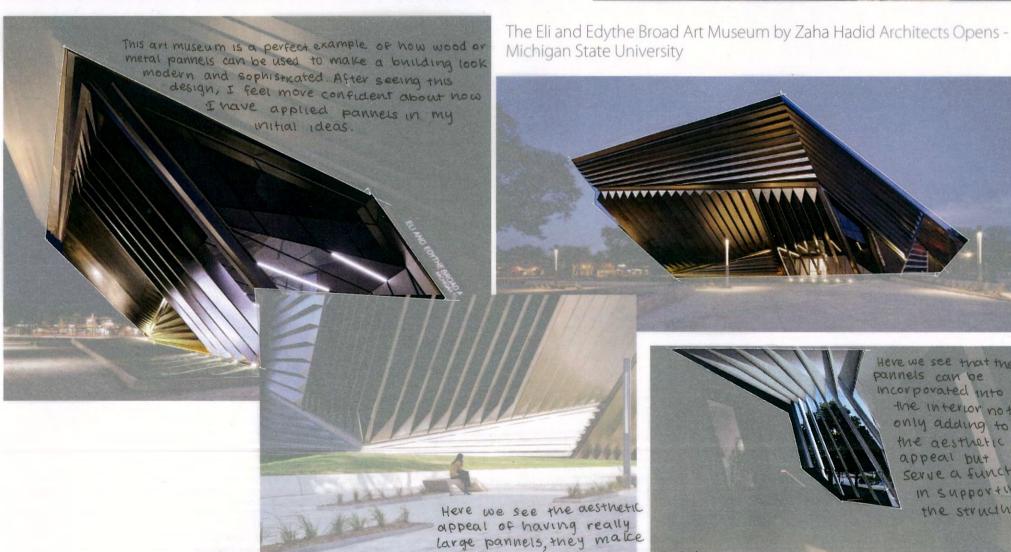
This building is extremely striking in Its exterior design, in terms of the way various materials, (timber and what appears to be concrete) have been integrated togeather in this pattern that seems to fade out into simple lines. It is beautiful because of the way materials look woven togeather against the windows. It is iso quite private in terms f the windows on 1t's pper floors

Zaha Hadid Architects recently unveiled finalized designs for the new Messner Mountain Museum, which will be located atop a mountain in South Tyrol, Italy.

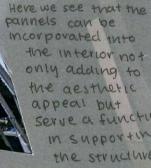


This building appeals to me in the way it is shaped, geometrically with strong sloping walls and slightly curved edges. I also like the white exterior surface with the lines intersecting through. It looks very modern and unique as a whole.

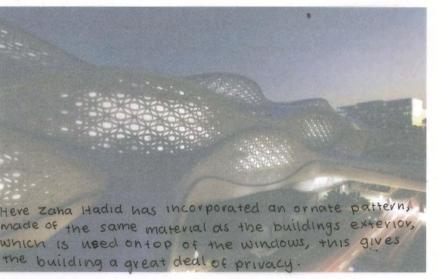
Metro Station in Riyadh



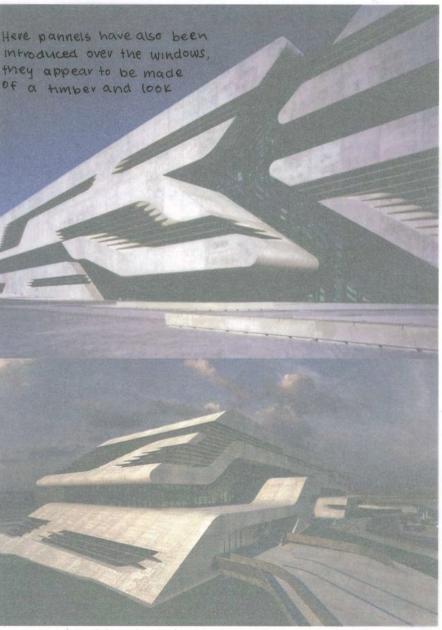
the building appear monumental.



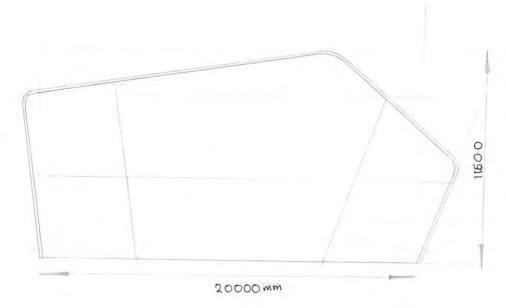
the interior not serve a function IN SUPPORting the structure.

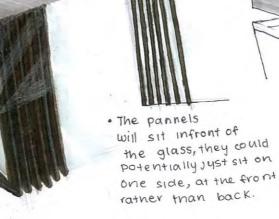


Zaha Hadid's design for the King Abdullah Financial District



Pierresvives Building by Zaha Hadid Architects (France)





EXPLORATION AND REFINEMENT - AESTHETICS

Because I have changing rooms on both sides of the buildings, in order to give their users privacy windows should be limited / completely - Boggy / milky so they cannot be seen through this is especially required on the back of the building where two changing rooms are visible. The back of The building thus cannot be entively transparent glass as I initially intended.

This band of timber that wraps around the structures exterior is another potential way this section of the building could remain private.

Both of these options ensure privacy for the changing rooms.



BACK VIEW

These are various balcony designs and options variations of pillars for the viewing area. Though I am quite happy with pannels I wanted to explore other ideas-refering back to forms from my mushroom ideation.

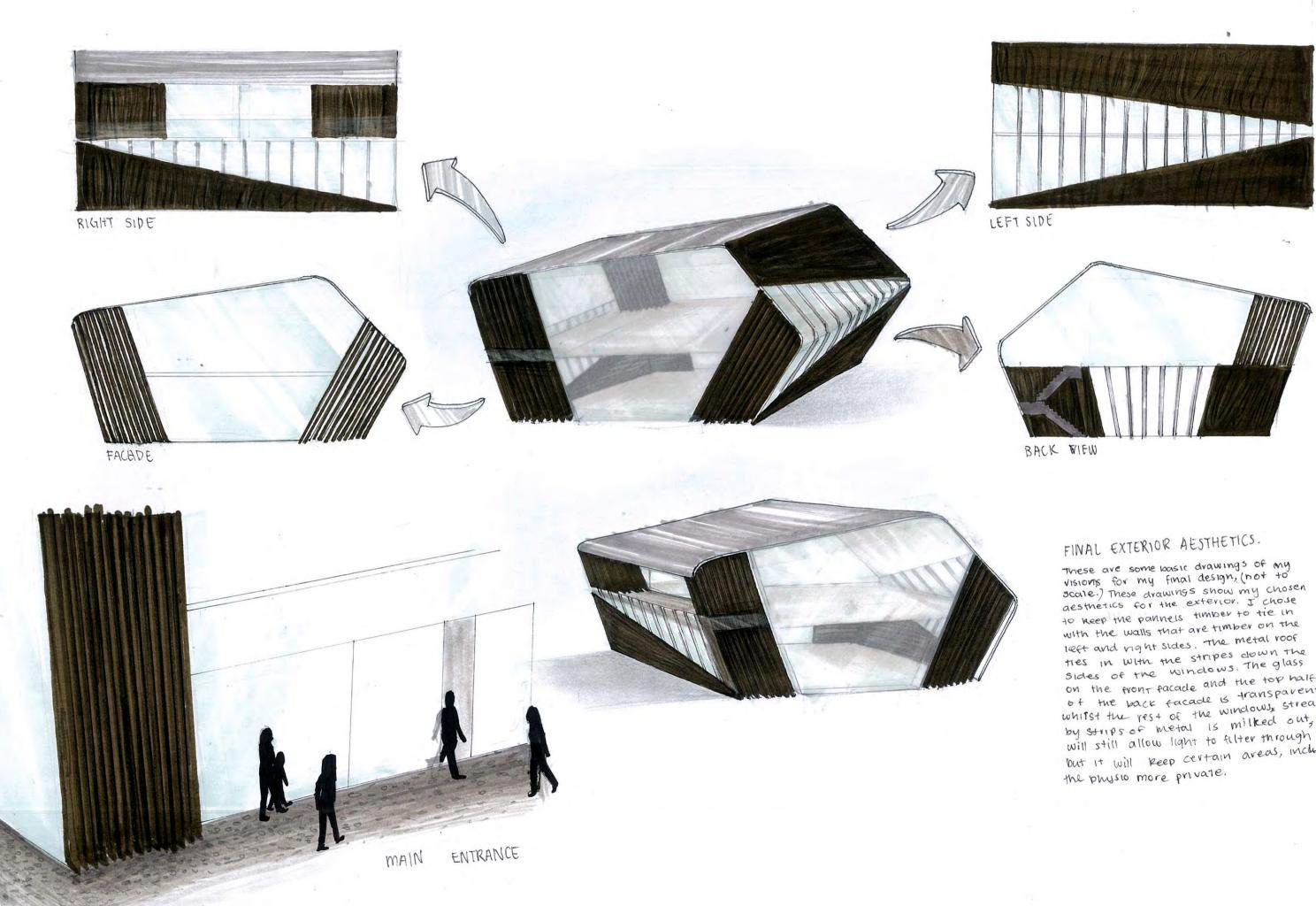


BACK VIEW

FRONT VIEW

COLOUR PALLETEE - 1 have decided to use very reserved

colours, browns, greys, silvers and glass - some of which Milky. I chose these as I feel they look modern and all of which particularly the silver and the grey concrete flooring is found in/on buildings throughout westlake girls. As a design in terms of neutral colour it should fit well amoungst the other main buildings in the school which are all diverse. I was also influence to keep this colon pallete as It is something found in many of the works of Zaha Hadid which I admive for their destruction

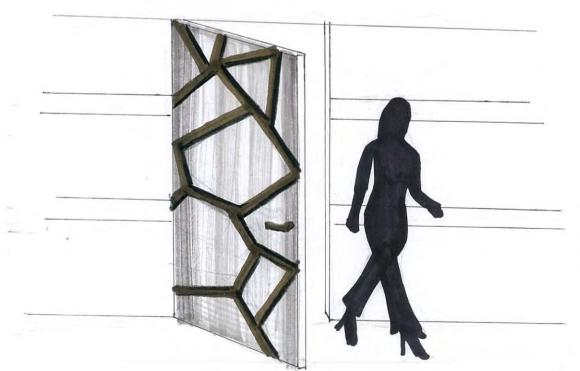


on the front facade and the top half of the back facade and the top hait of the back facade is transparent, whitst the rest of the windows, streaked by strips of metal is milked out, this will still allow light to filter through but it will keep certain areas, including

EXPLORATION AND REFINEMENT - AESTHETICS

adapted the mushroom inspired design to use on both doors and the barrier around the stairs this will add to the modern look and aesthetics.

from the lights I have



1 extended my thinking

VIEW OF BUILDING FROM ROAD SIDE

into my interior design through lighting. These lights have been inspired by the cage fungus as a part of my mushroom Ideation. They are using my current colour scheme. Their unique shapes look modern and antique. They will allow the light to filter out and project interesting shapes against walls efloors,

I feel that my building at this stage is lacking some of the Visual aspects I explored in my eavily ideation so I wanted to try and reintegrate them back





INTERIOR LIGHTING

EXTERIOR LIGHTING



These are the lights projecting shapes upon the side of the building.





WINDOWS

The glass I will use on either/ both left and right walls will be milizy for privacy, whilst the glass for the Eacade and back will be double glaced and transparent, Having it double glaced will help eliminate hoise coming from the main road and concrete factory, and the transparency will allow people to see out at the courts from the function area and will give those in the fitness centre 2 view.

Having windows on all sides of the buildings allows for sun to stream through and neat it at different times of the day - because it is open plan heat will be evenly distributed. The double glazing of the glass will also ensure the building stays reasonably warm.

EXPLORATION AND REFINEMENT - FUNCTION

FLOORING: The floors of this building I have decided will be poussed concrete because it is a smooth surface that is strong and appears formal/corporate. It is used throughout the school - mainly the classrooms in A Block. It is both cheap and easy to maintain in terms of keeping dean and I feel it works well with the vest of my colour pallette.

NOTE: These rendered sectionals are not to scale.

STEEL ROOF: I love incorporating metal in my designs, as a material it looks great and it is found in almost every brilding within Westlake including Gym 4 ABLOCK and D block. I feet That as another element of the exterior it weres well with the timber and glass, all moder materials that when combined look really unique.

The metal strips down the sides of the windows were initially intended for aesthetic use only but I believe if they were made of steel they could be useful for supporting the walls of the structure too.





The timber I intend to use for my building will need to be extremely durable in order for it to withstand outdoor conditions on the exterior. Macrocarpa is a timber that fits this critered, nowever clesthetically to match my building it will need to be altered - or permanently Stained, a layer of something else will be needed to get the desired wolk, The timber could infact be painted, metal could potentially be used insted, (painted to achive that colour or copper instead the latter being considerably more expensive.