

Exemplar

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

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

Marking Schedule

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

Commentary: **This submission is assessed at Merit.**

This submission is of the ideation that becomes a light shade.

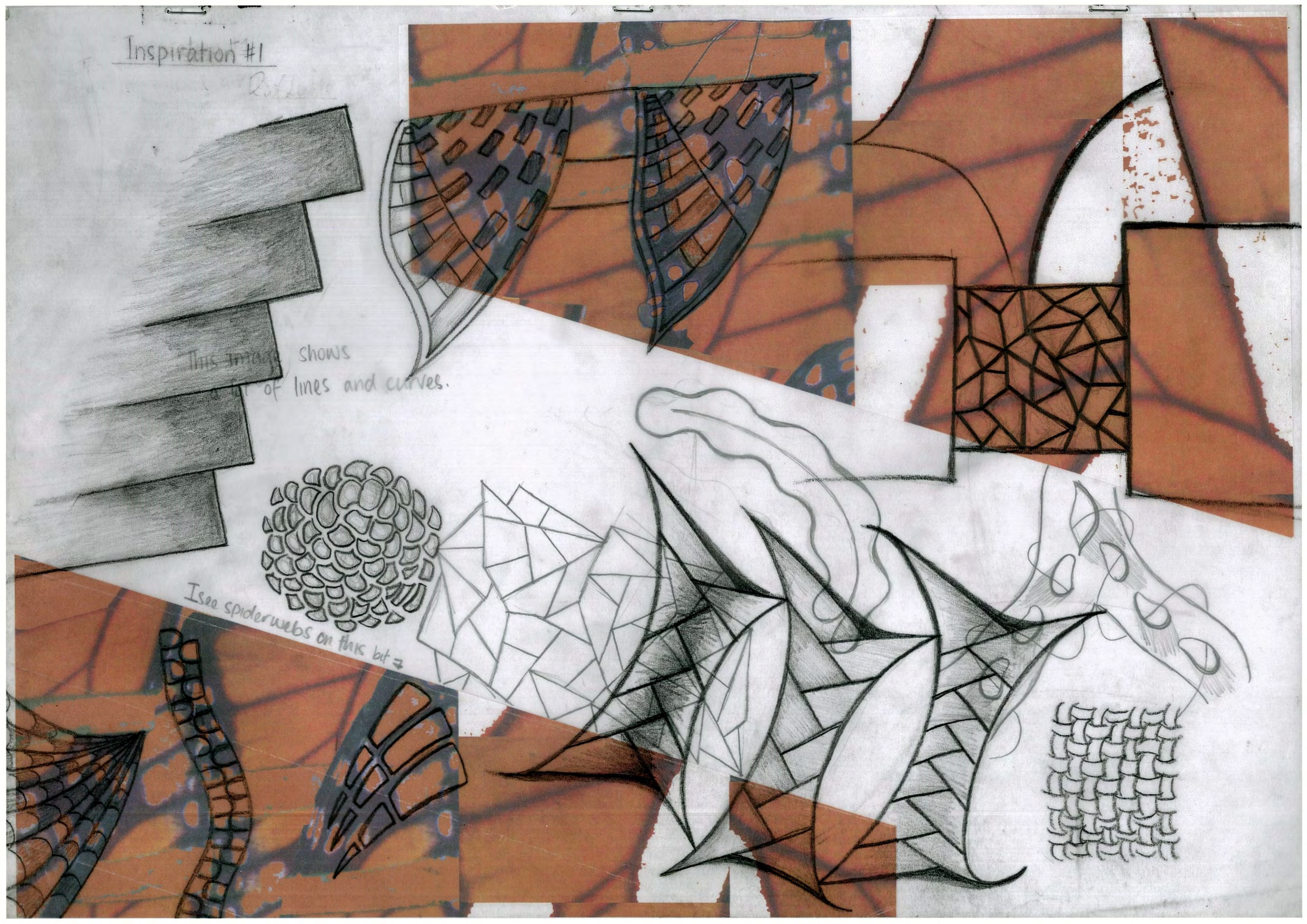
The starting experiences are the natural elements of leaves and branches. This submission uses the visual communication strategies of observational sketching, tracing and collage to generate and explore alternatives and variations of the derived 2D shapes which are evolved into 3D forms. These are re-generated into patterns and then after further analysis are incorporated into cut-out pattern in card, these are recorded using photography which records how light and shadows are cast. This emerging 'train of thought' is re-interpreted into a range of 3D forms. At this point another theme emerges, that of the variation of the pattern elements of the cut-outs. This provides a triangle based cut-out but the student chooses to return to the earlier pattern as the basis for their convergent thinking, (development) the final light shade.

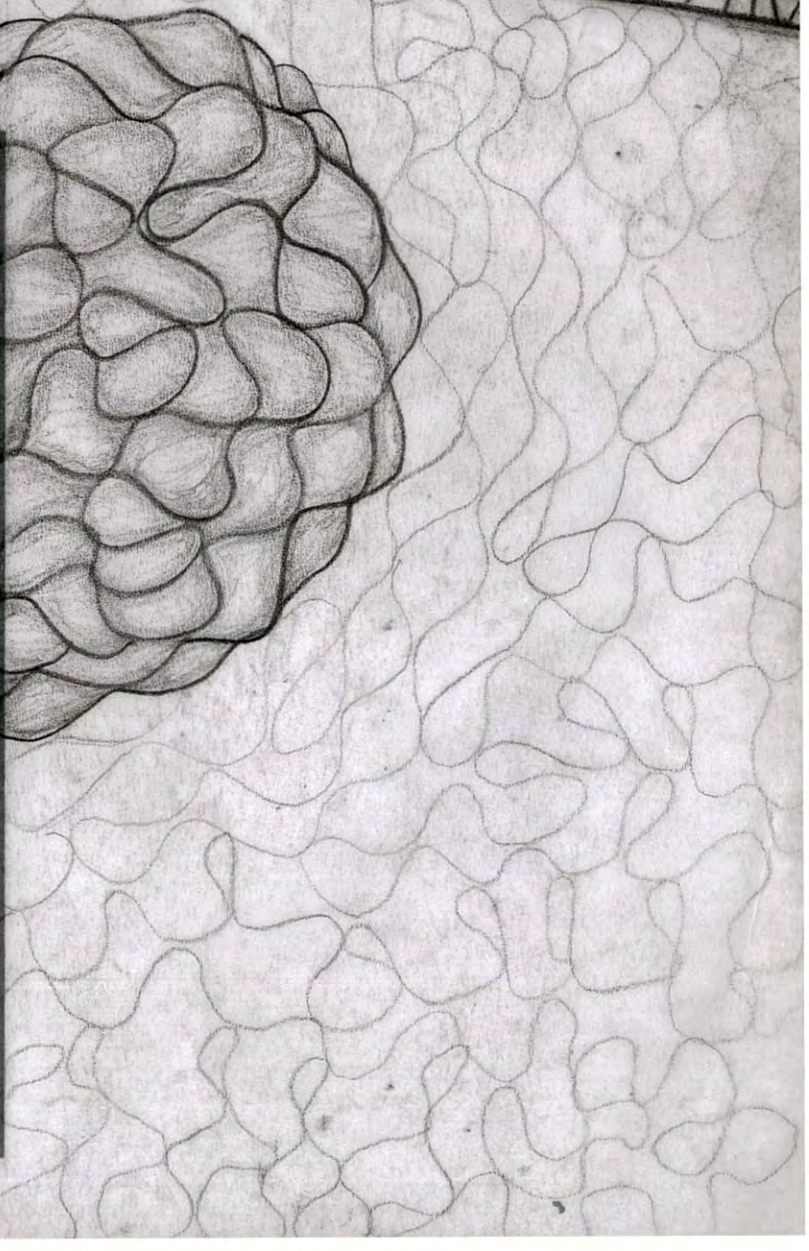
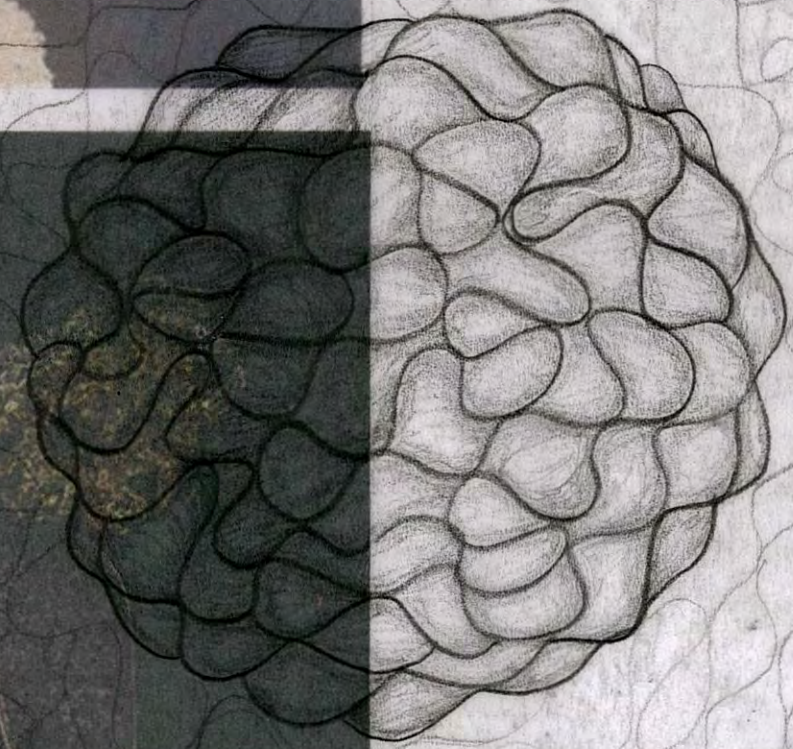
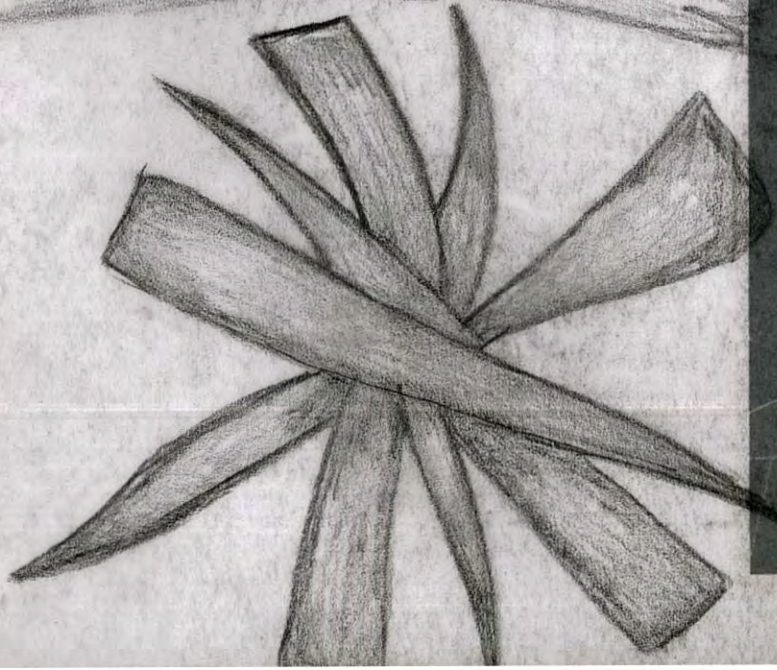
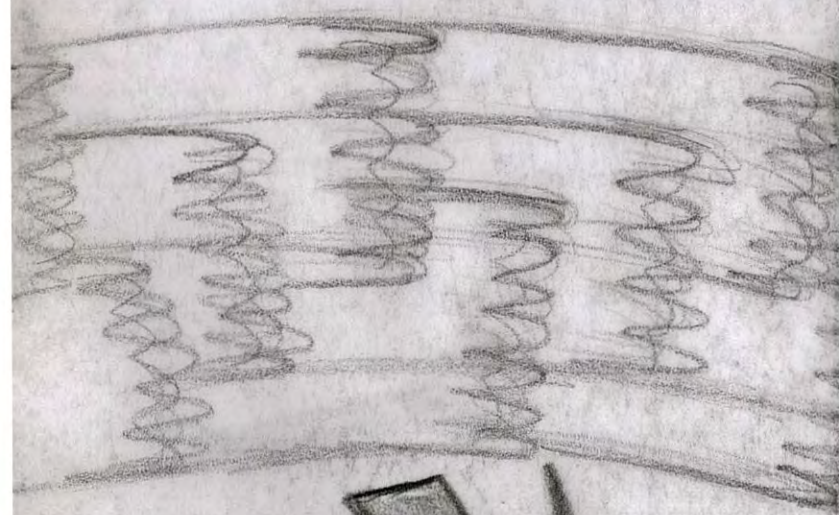
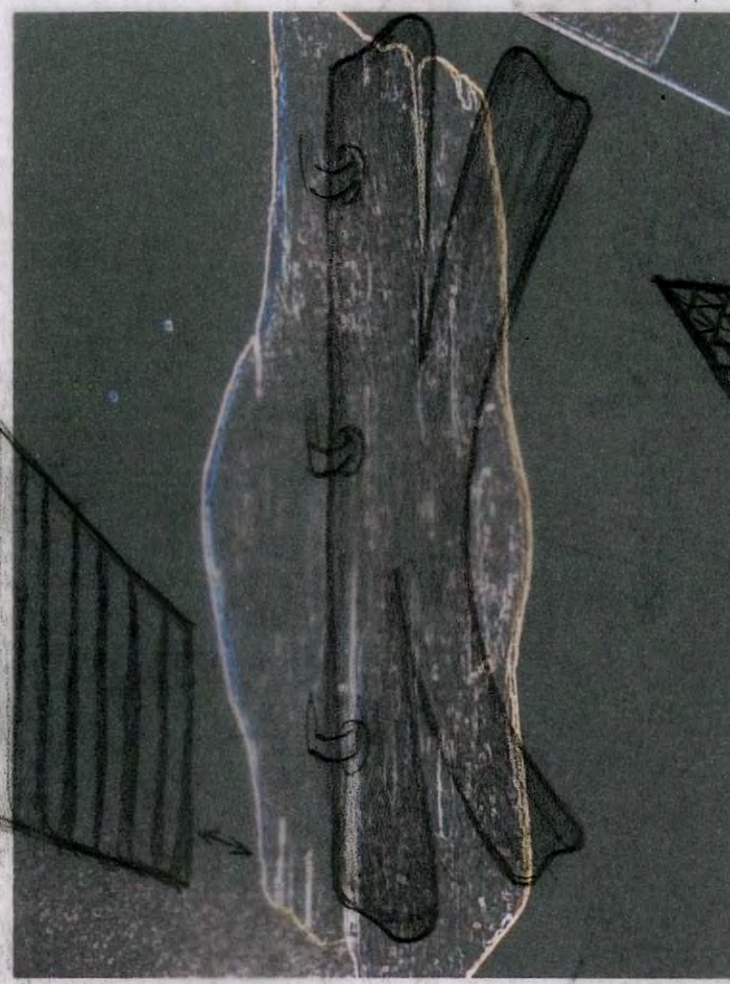
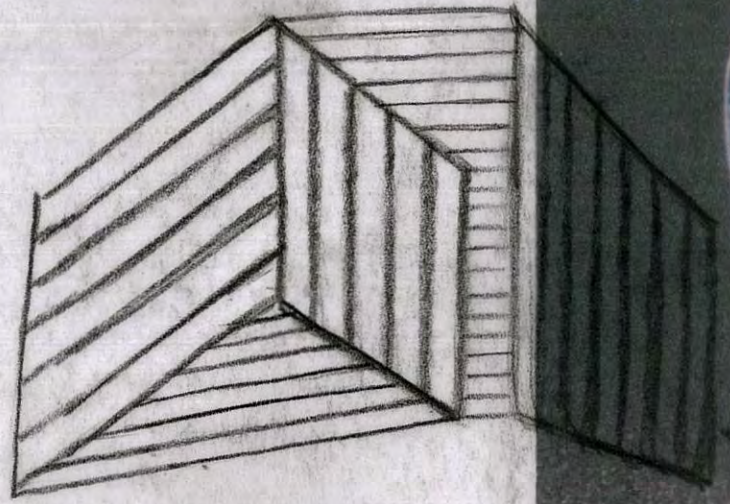
Inspiration #1

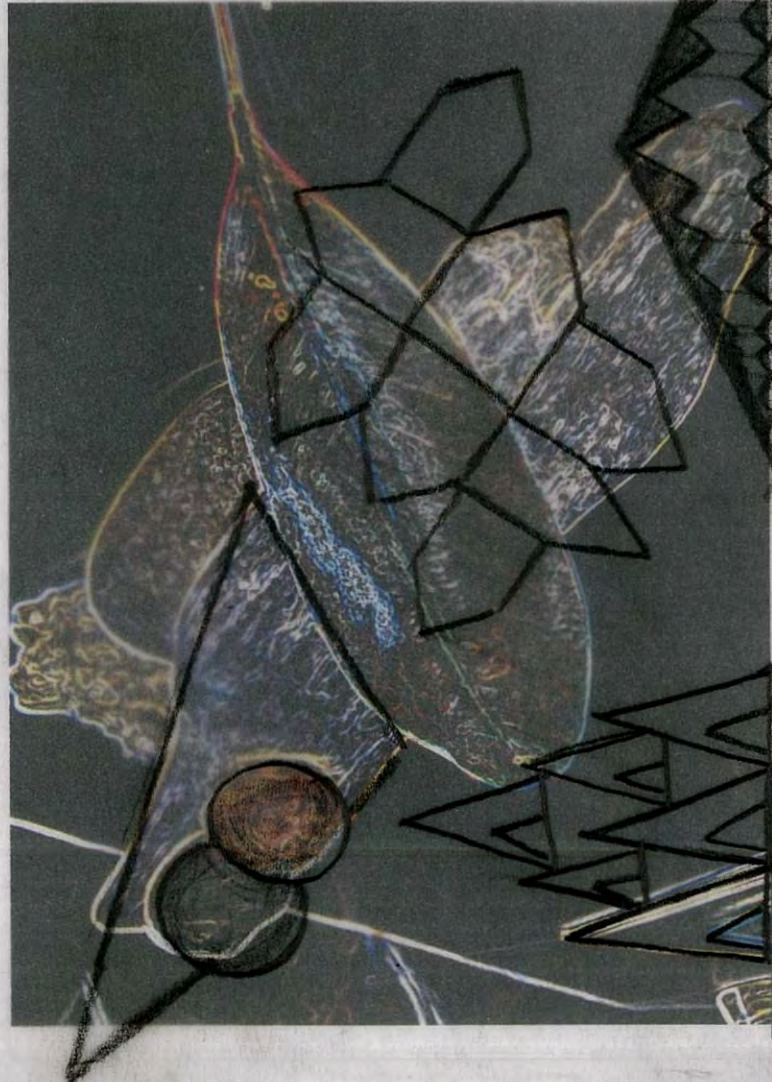
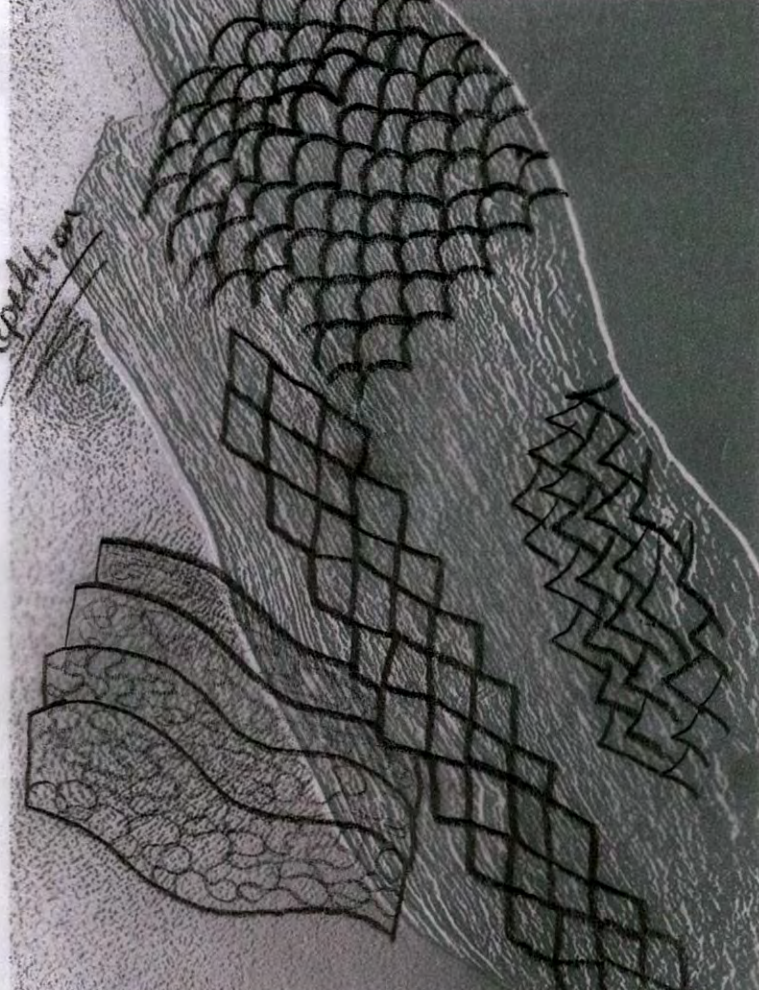
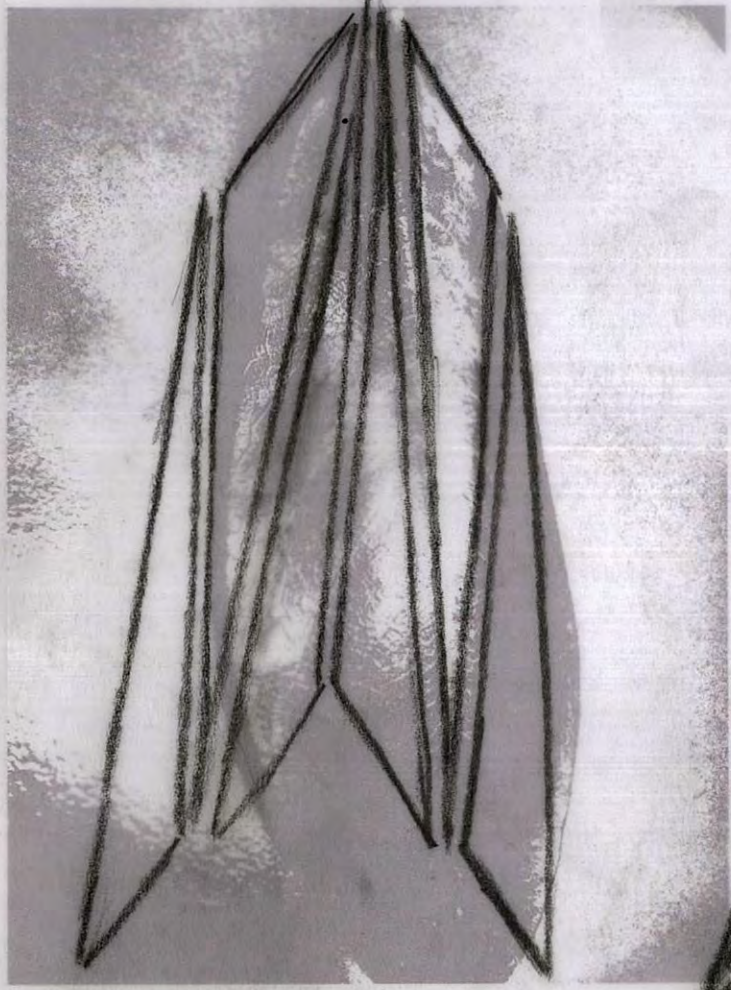
Roller

This image shows
a lot of lines and curves.

I see spiderwebs on this bit →

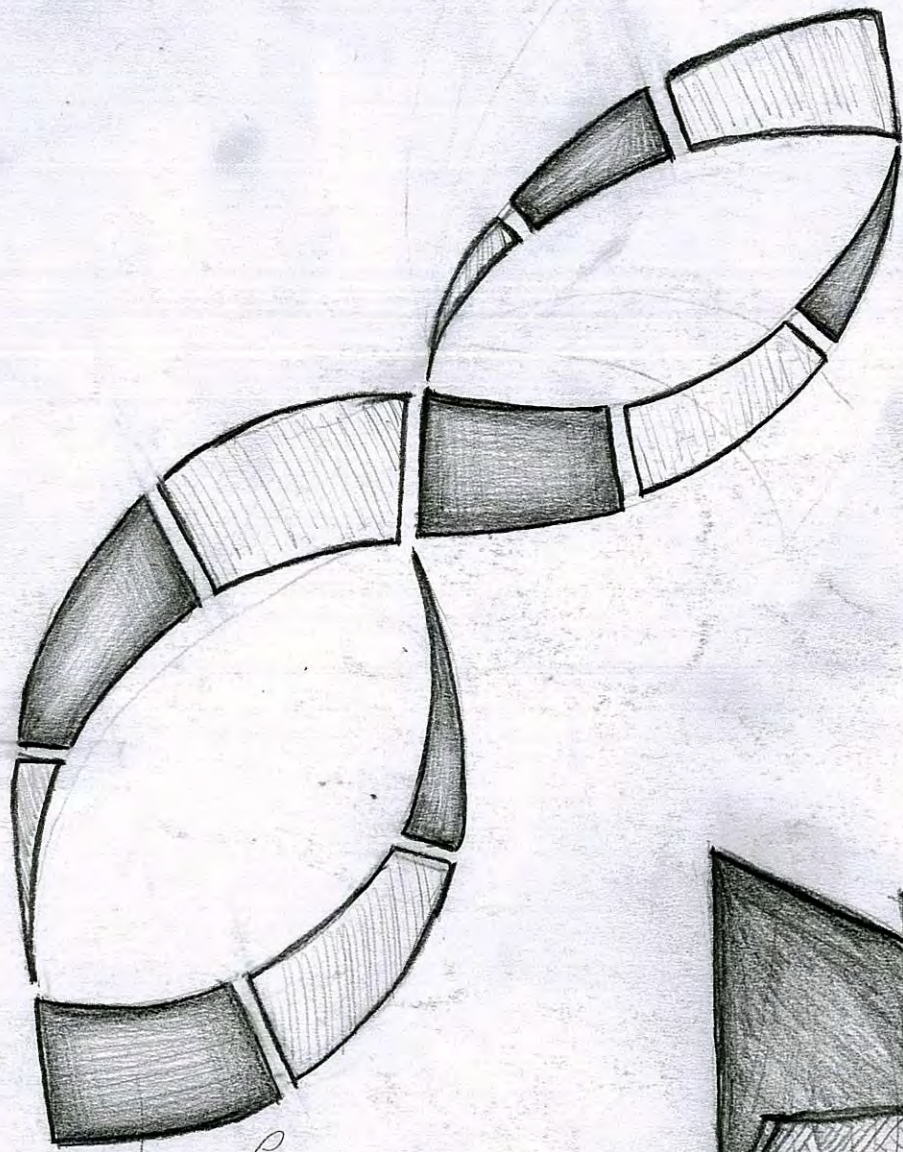




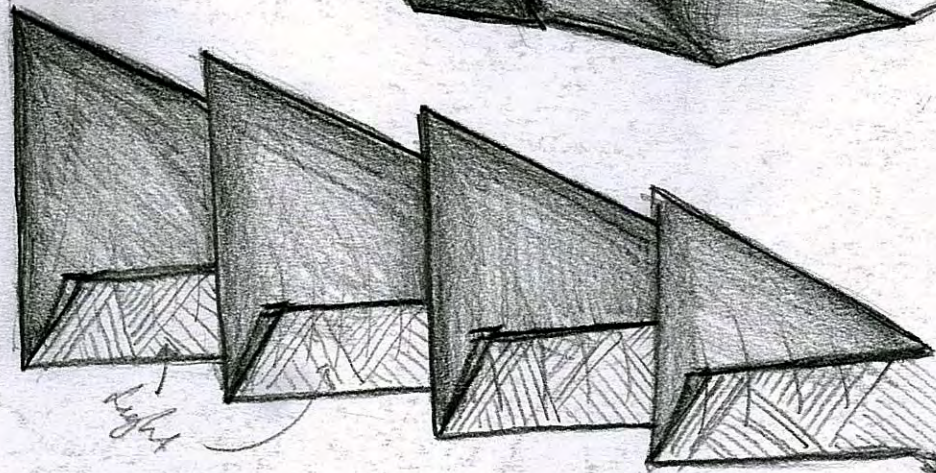
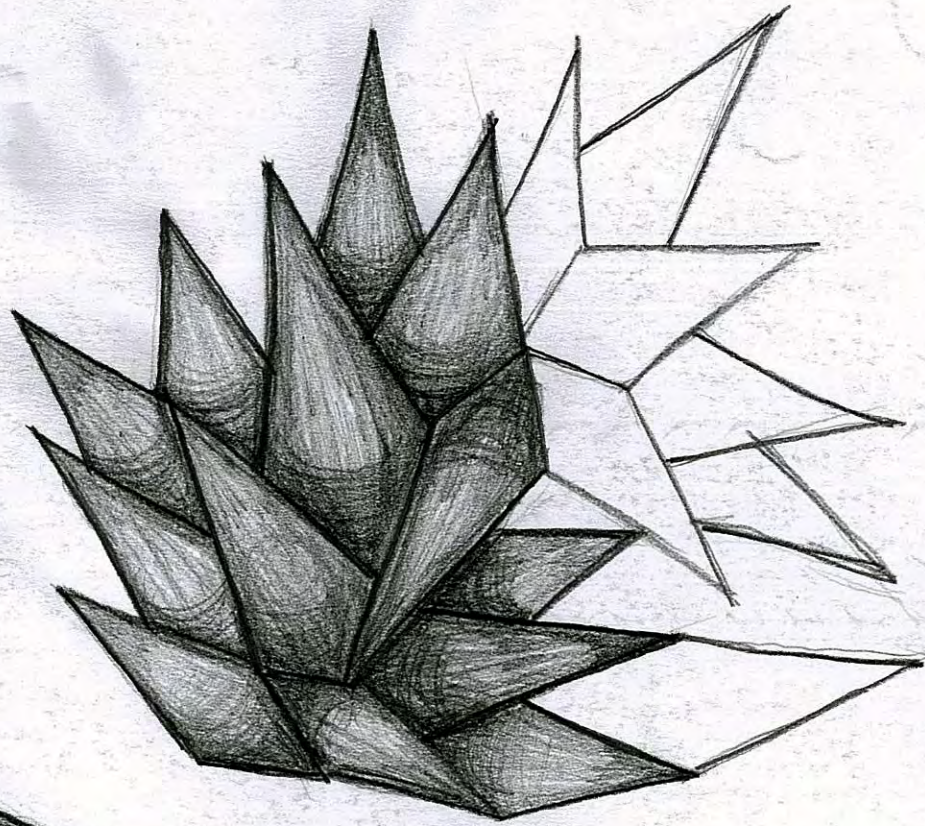


~~Concepts~~

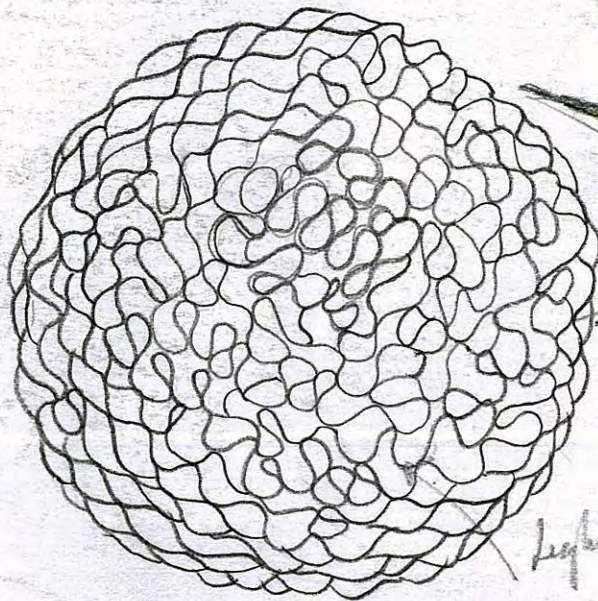
Lighting



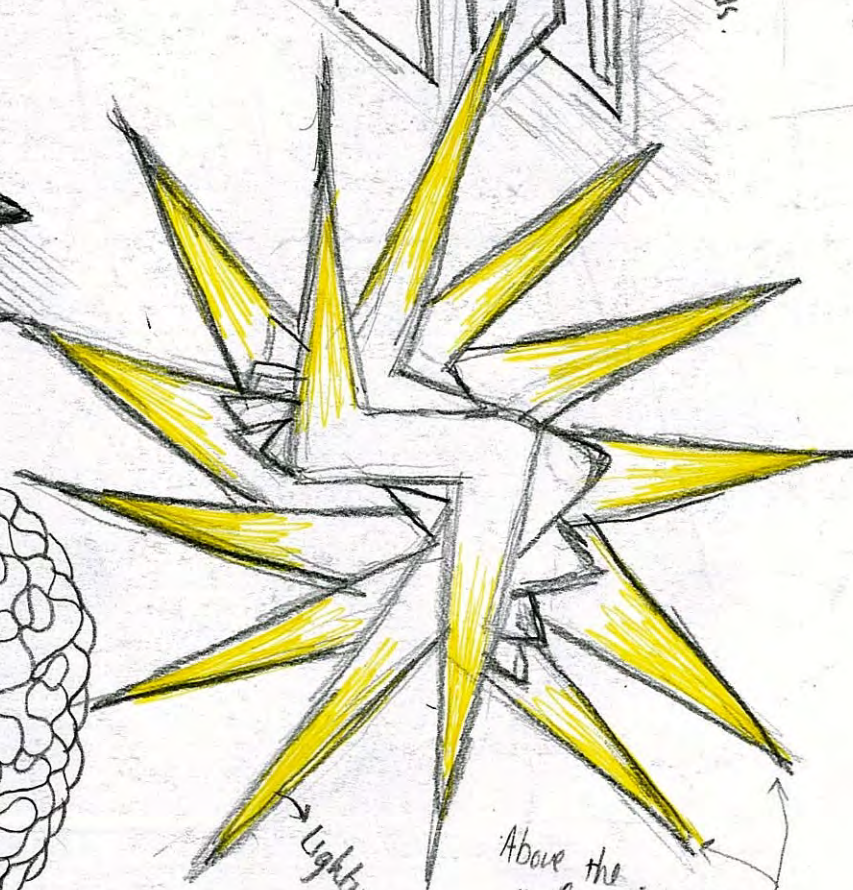
lights
Spread out on the ceiling



lights
across the walls



Paper lights spread across the ceiling

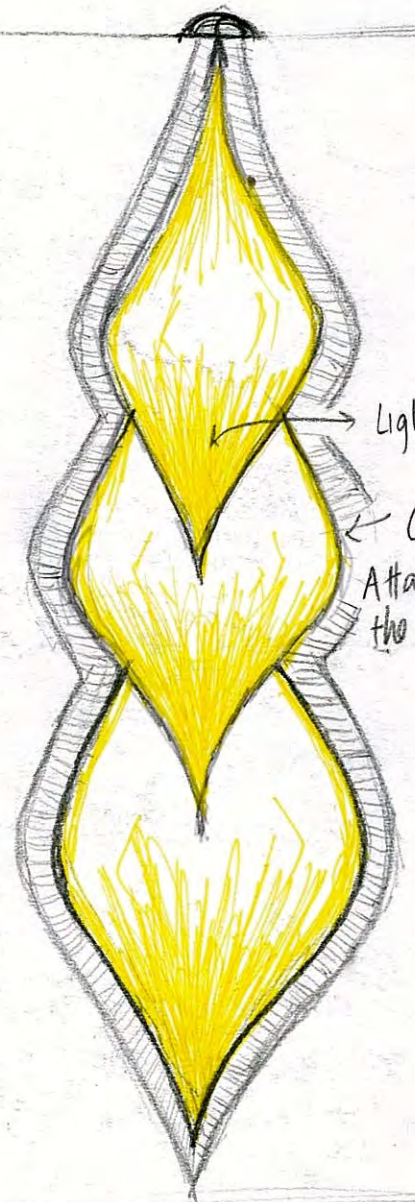


Lighting

Above the roof: spread out to cover the whole roof space



spread across the walls



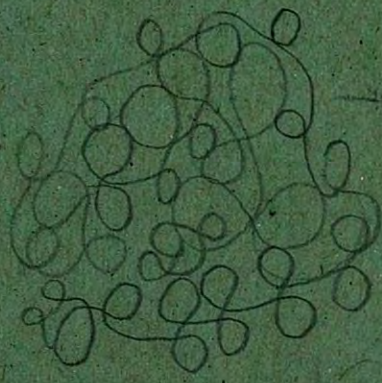
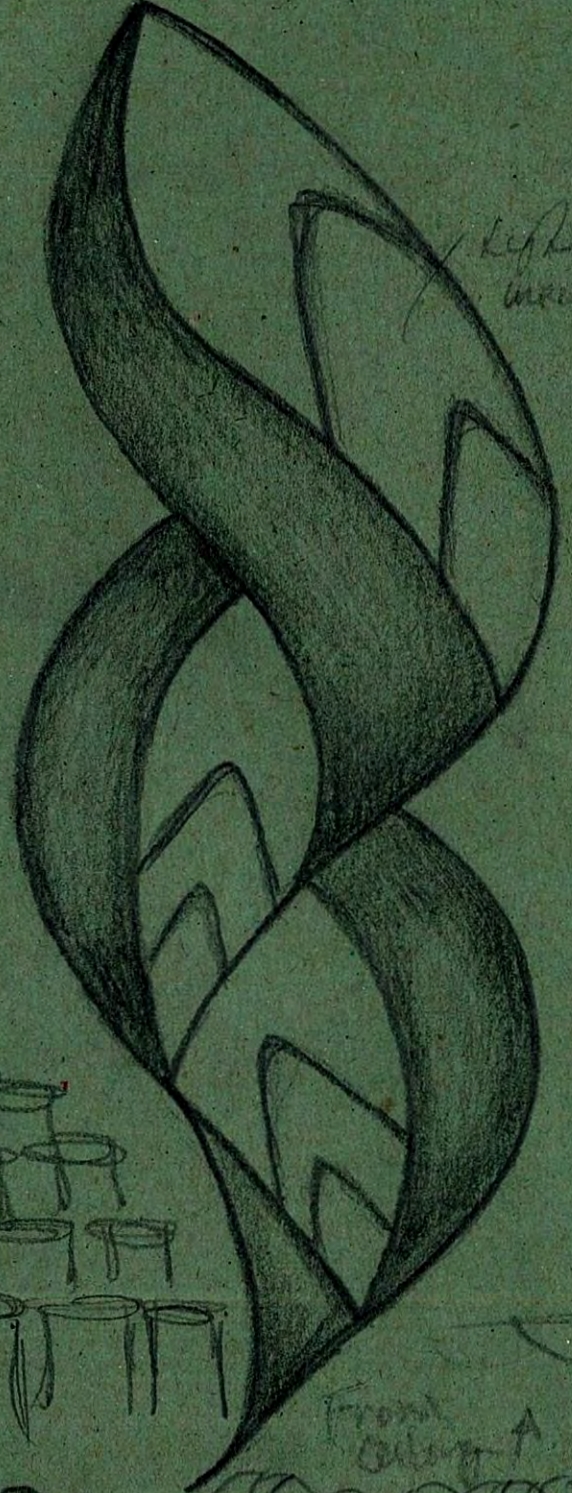
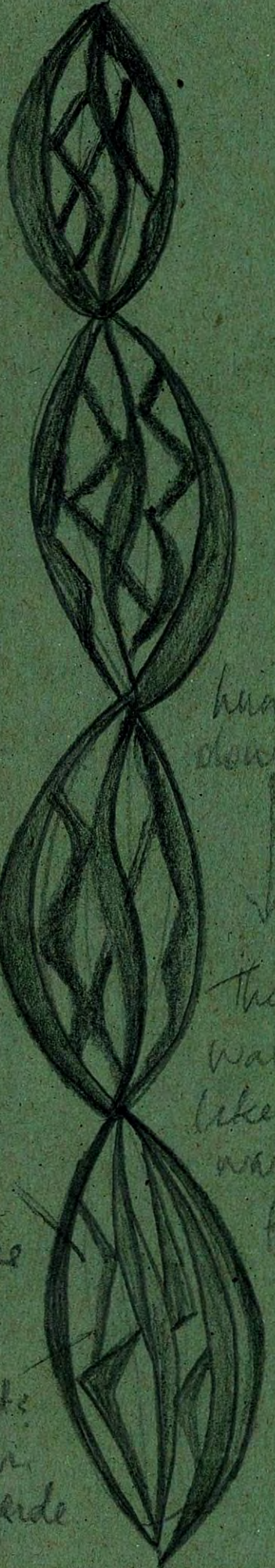
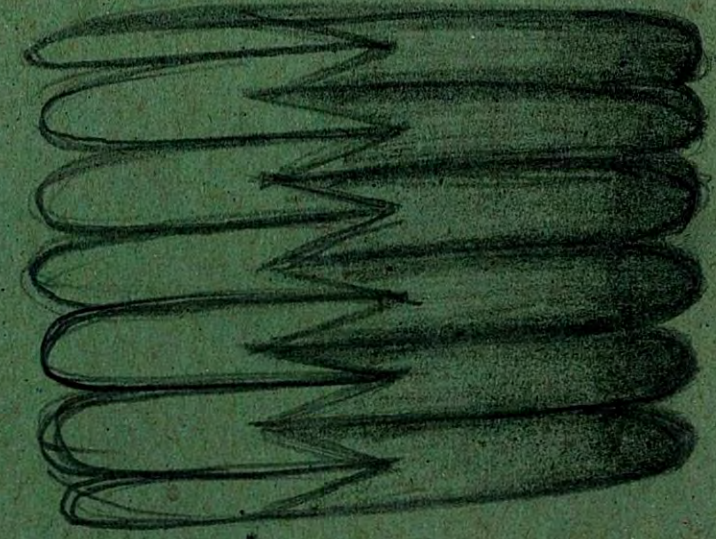
Lights

Glass Attached to the wall



Light Bulb

will be stacking on around each other



Spread out on the ceiling

Spread across the ceiling



light chains

Front along

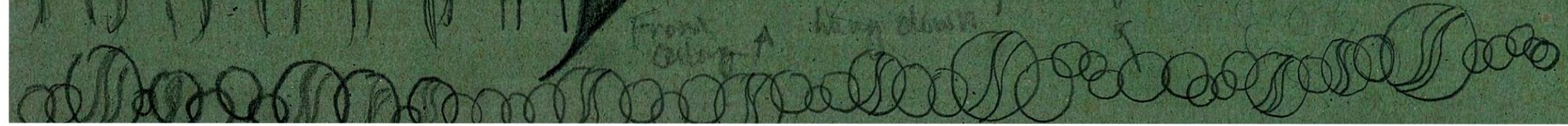
hang down

hang down

the walls like water fall

Cut out shapes

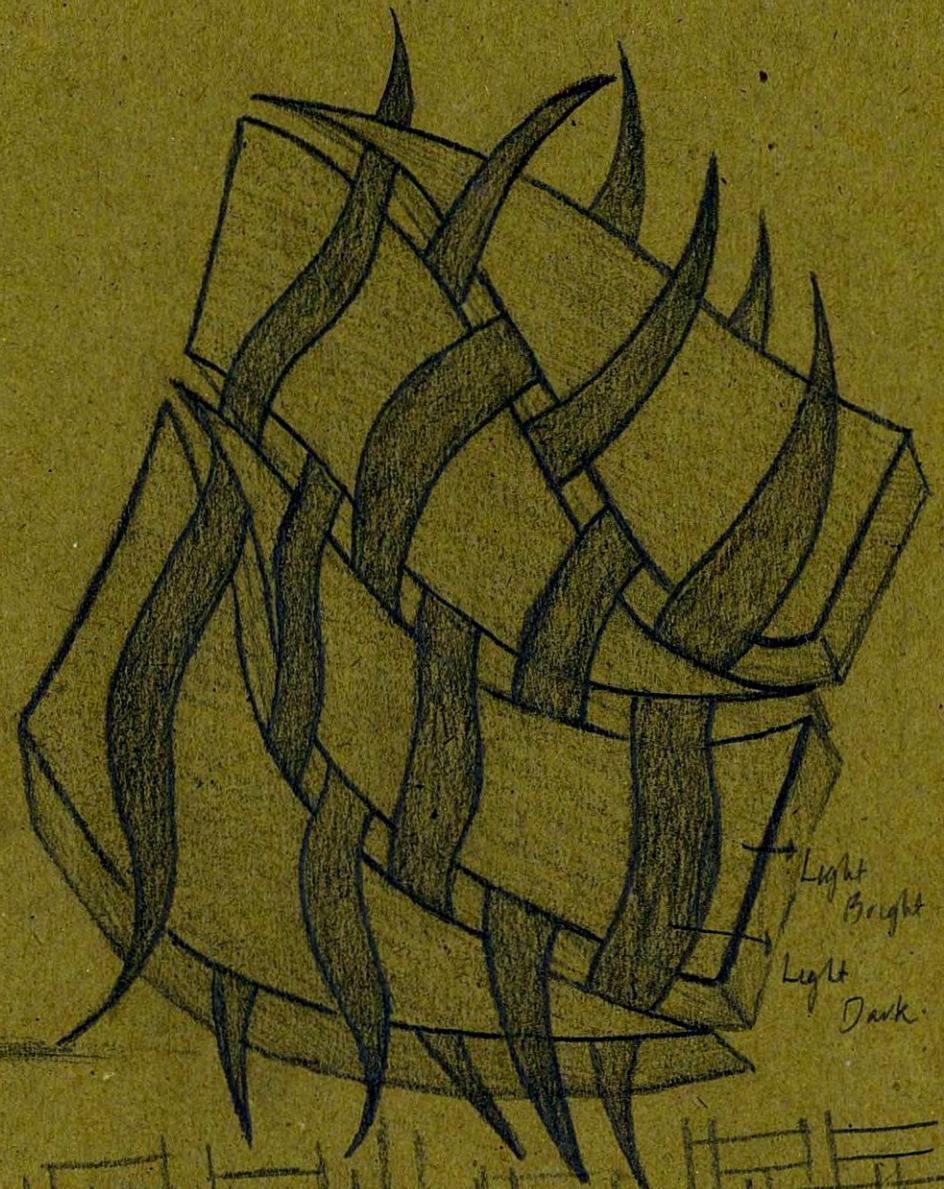
lights from inside



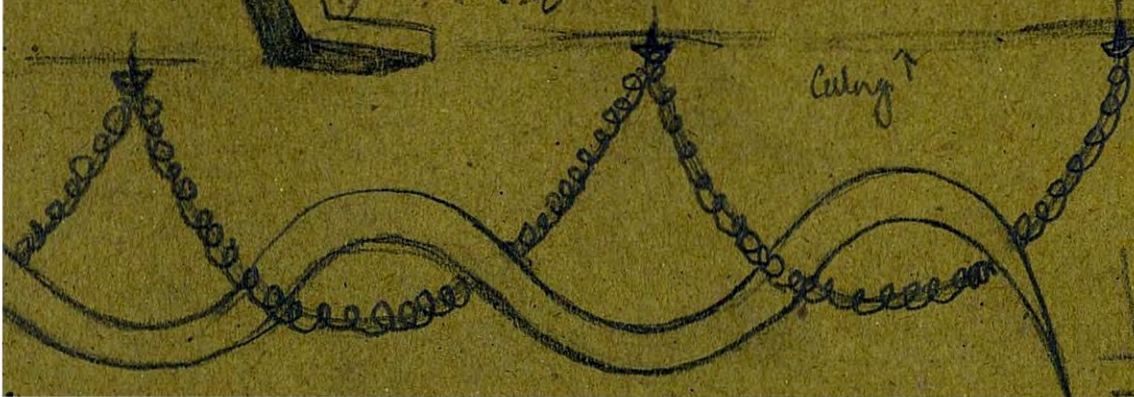
2-3 different types
of Lights - Bright - Mid & Dark.

Weaving Lighting

□ Bright light.
▣ Darker light.



Culny?



① CONCEPT

Drill 4 holes in the wood.

Tongan Kafa (rope) will tie in the holes to hold the LED lights in place.

Same on the other side.

PVC LED LIGHTS

Not so thick - wood.

Tongan Rope tied into a knot to secure the LED lights

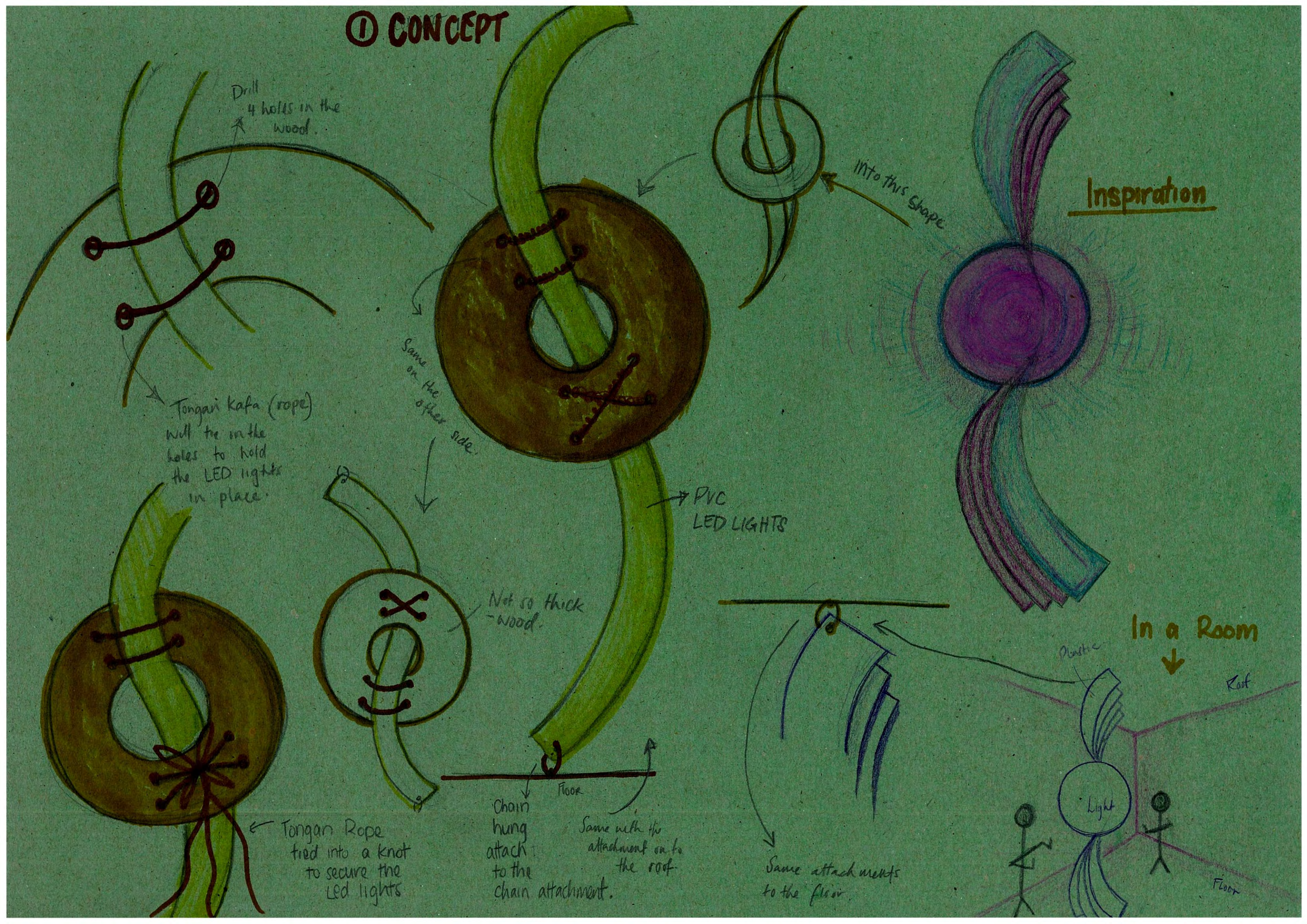
Chain hung attach to the chain attachment.

Same with the attachment on to the roof.

Same attachment to the floor.

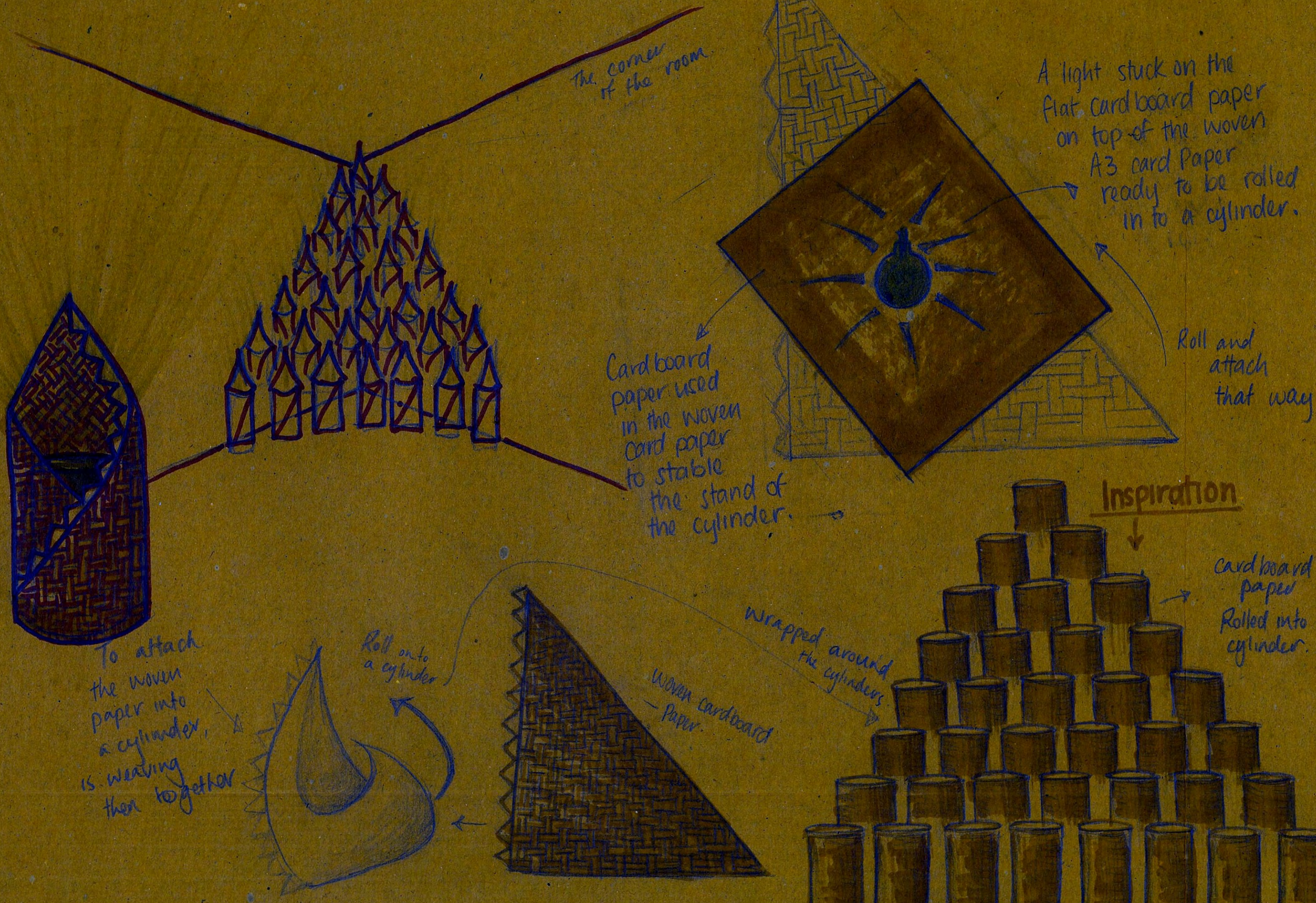
Inspiration

In a Room



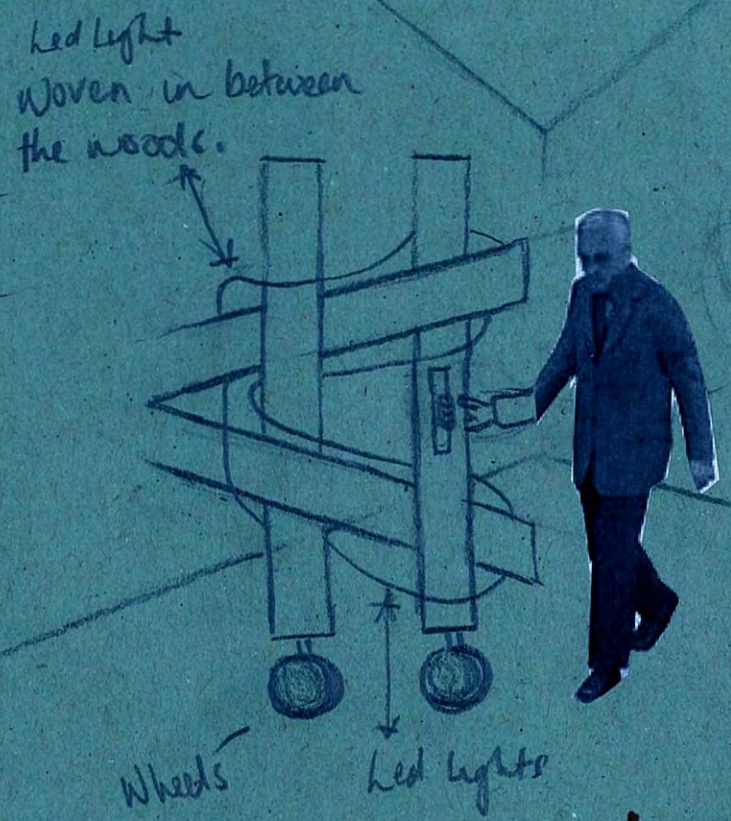
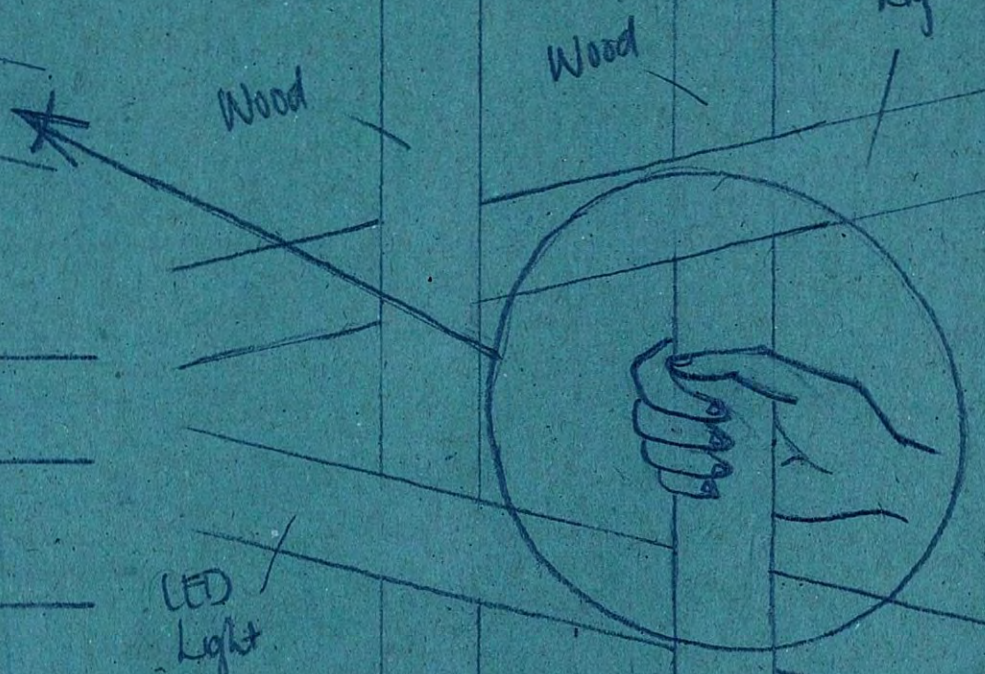
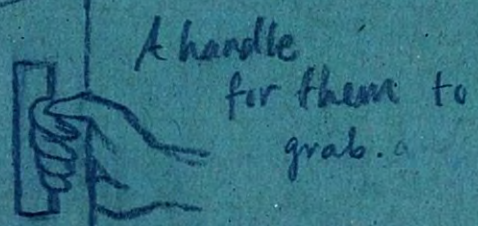
② CONCEPT

CONCEPT 2

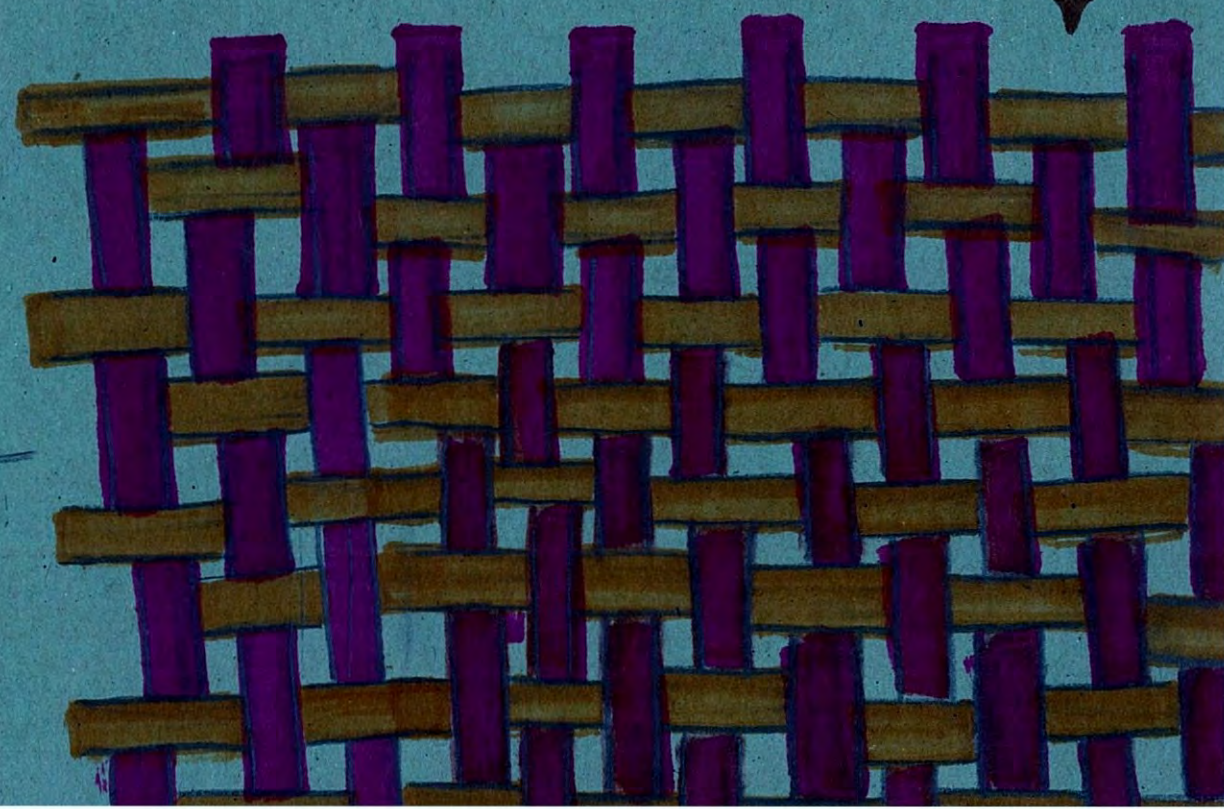
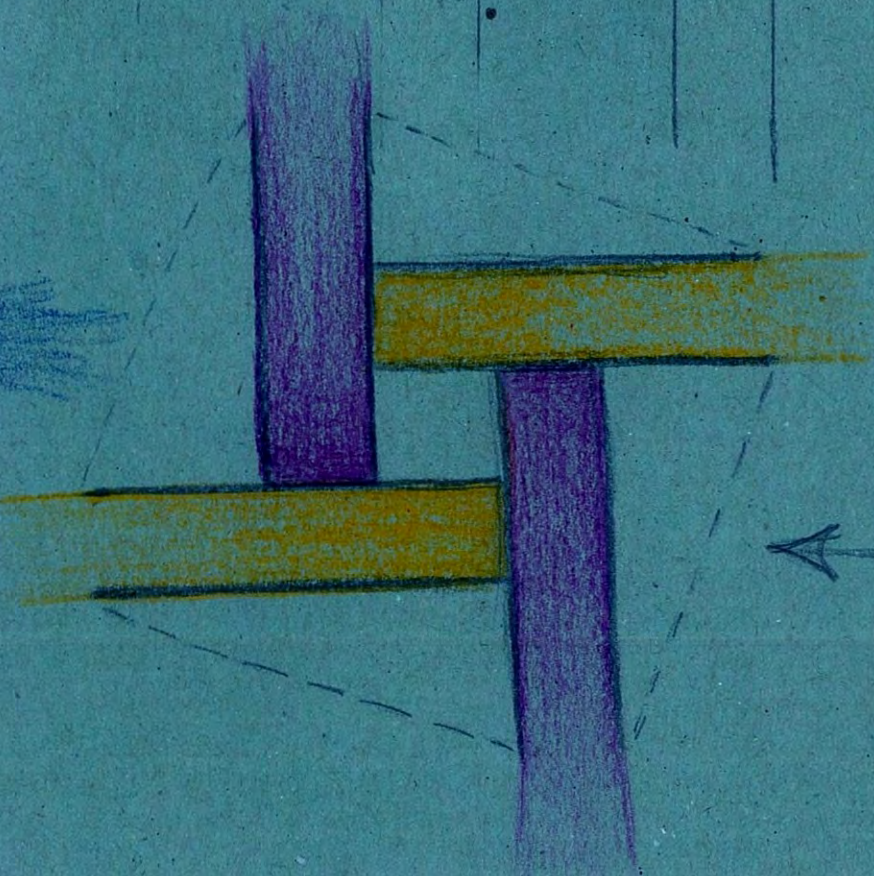
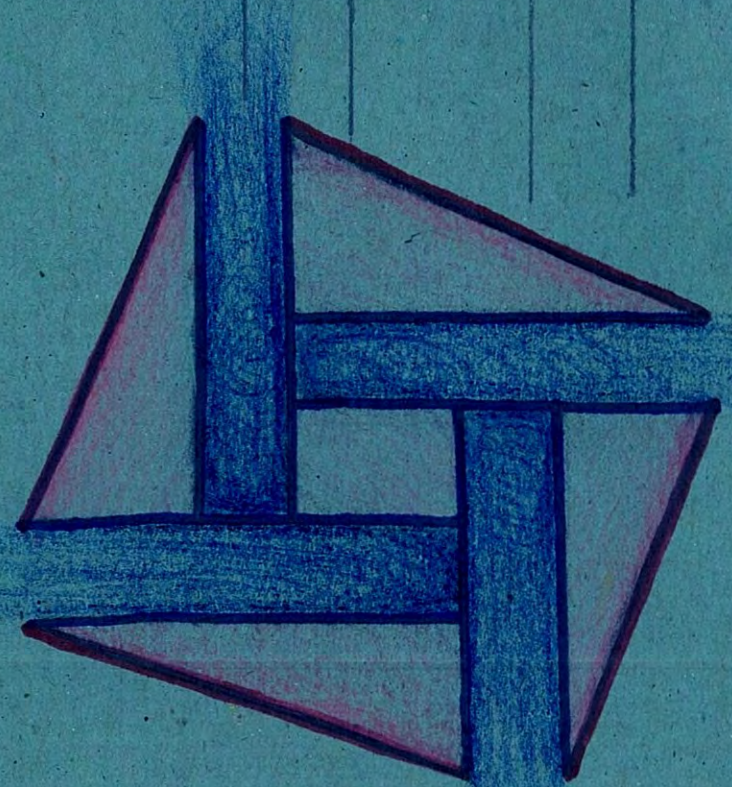


③ CONCEPT

You can wheel the light to wherever you're going. Helpful for older people that can't walk on their own.

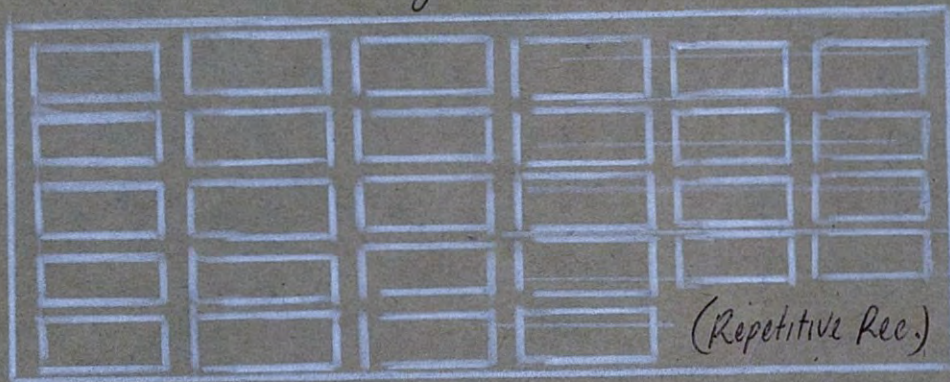


Inspiration ↓



CONCEPT IDEA

Repetitive Rectangles -

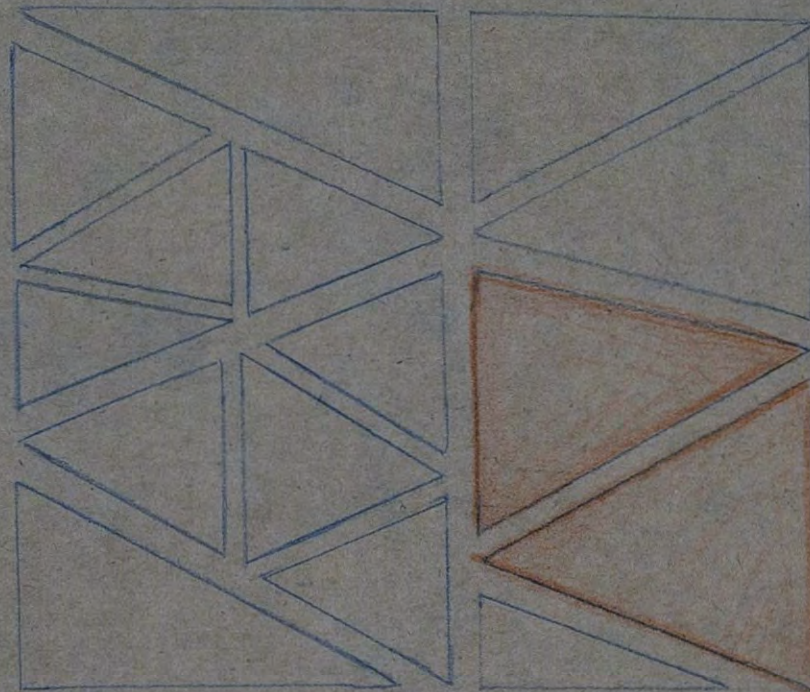


Landscape Rectangle

Which then looks like a tall cylinder.

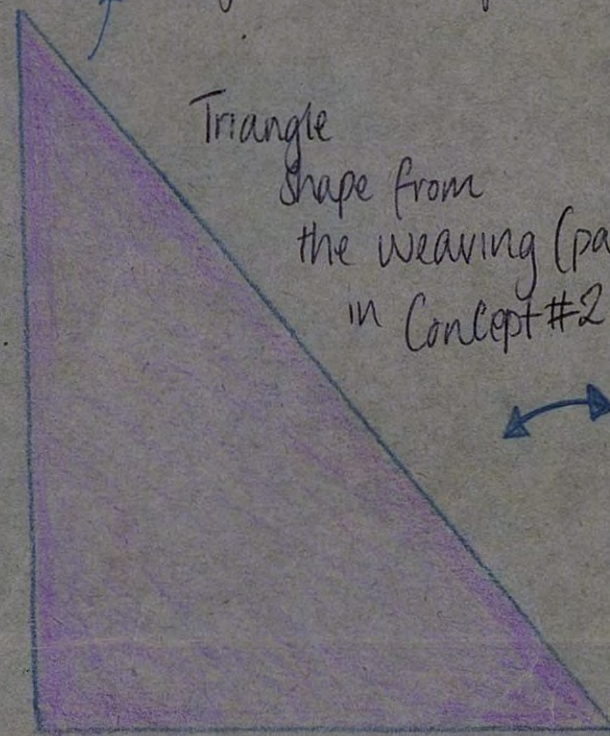


Triangle Folded/Rolled.

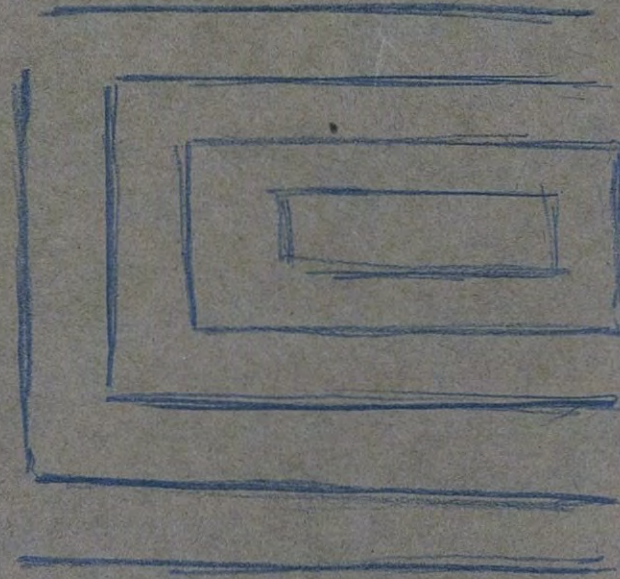
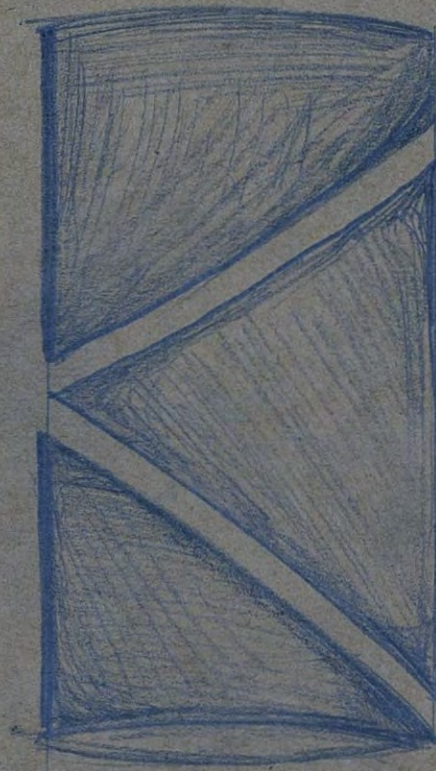
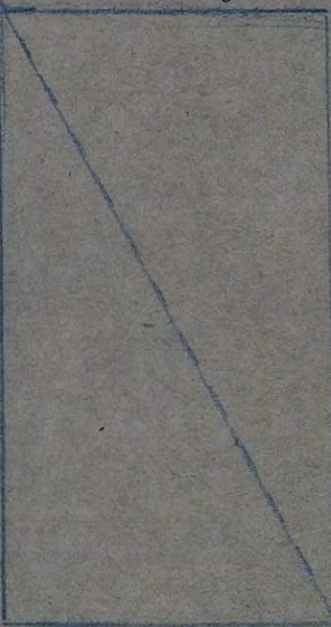


(Maybe multiple triangles)

Triangle shape from the weaving (paper) in Concept #2.

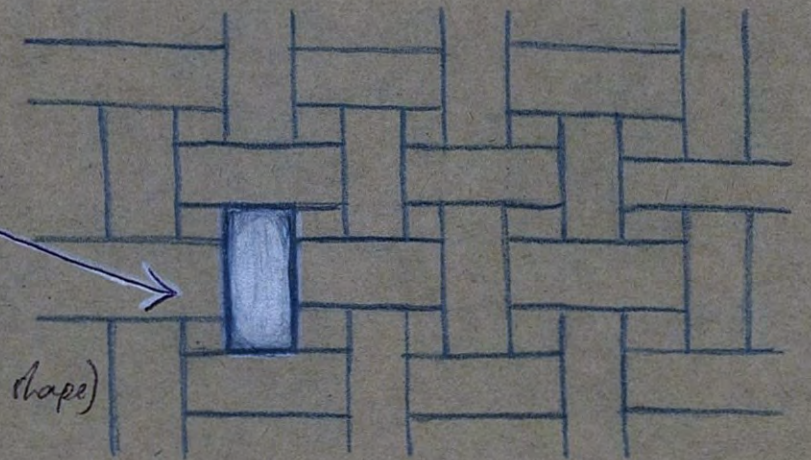


Front View Cylinder.



INSPIRATION - WEAVING

Where the cylinder shape came from (where I get the triangle shape)



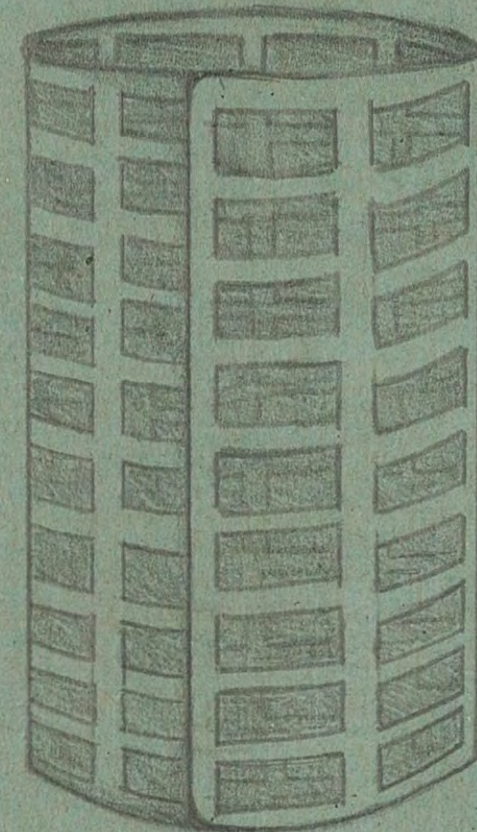
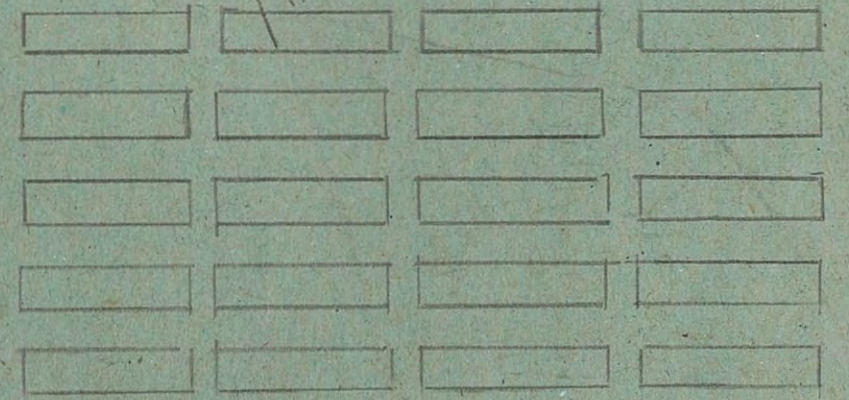
Cylinder Shape from Chosen Concept #2.

~ CHOSEN CONCEPT #2 ~

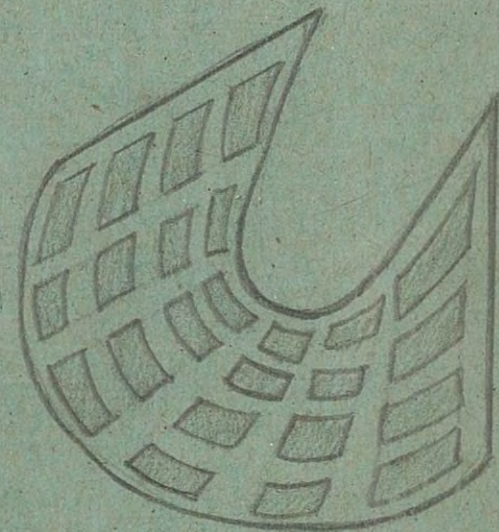
DEVELOPMENT ①

Choosing Triangles or Rectangles.
(Weaving)

In this development I like the shapes, (cylinder)
I've decided to work with with rectangles
from the weaving technique I've used. →



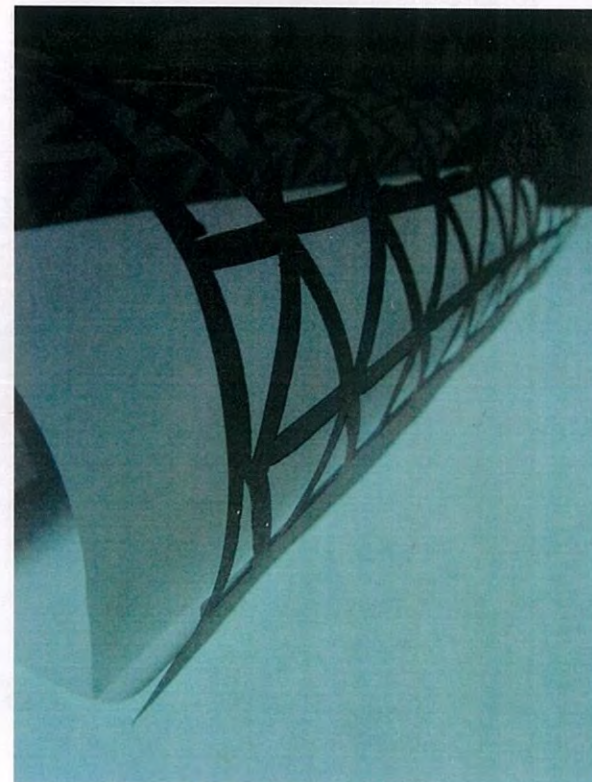
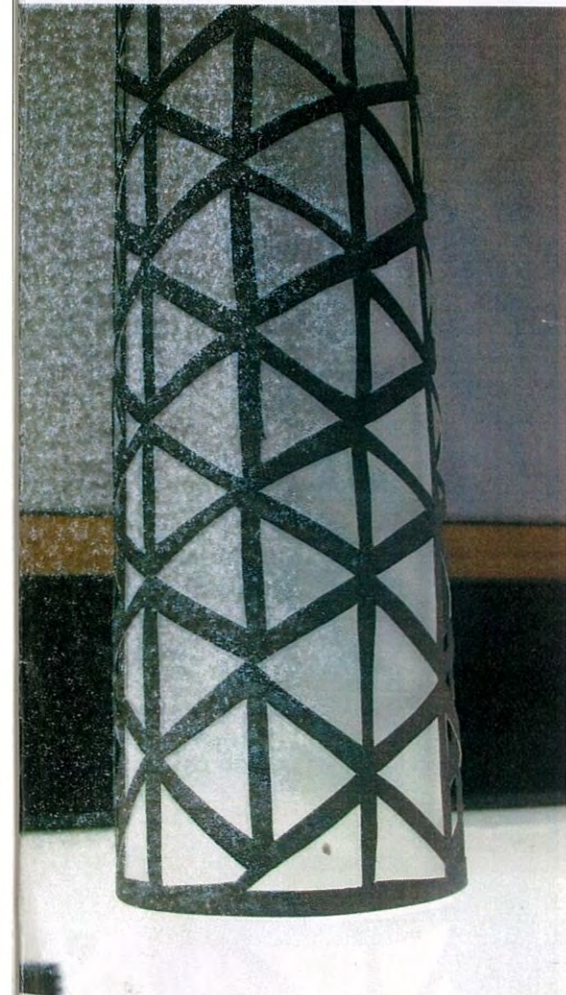
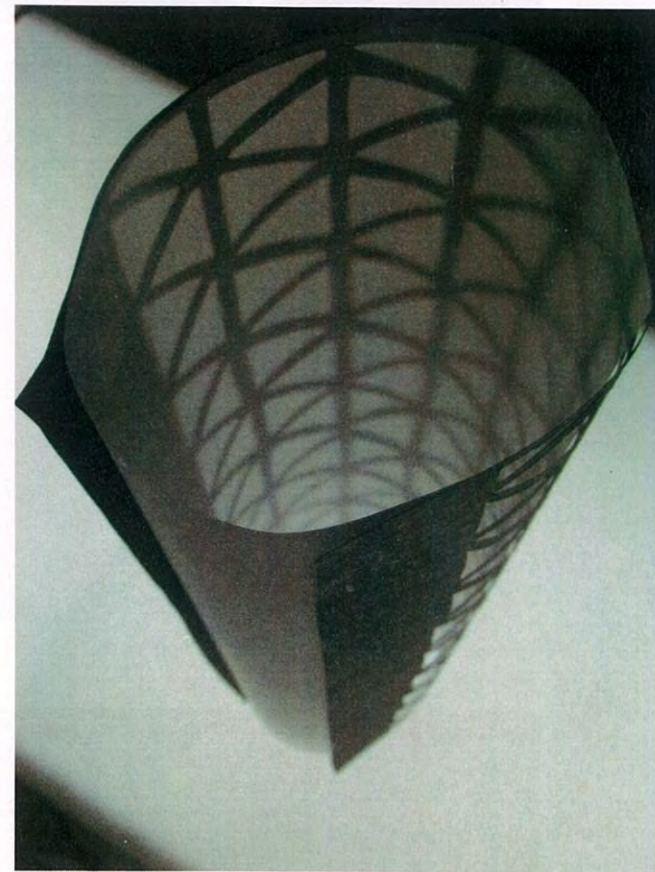
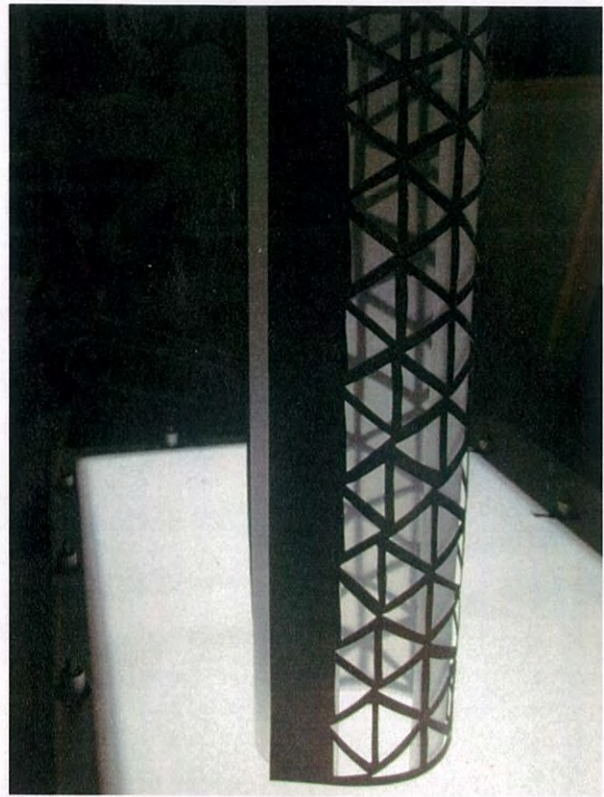
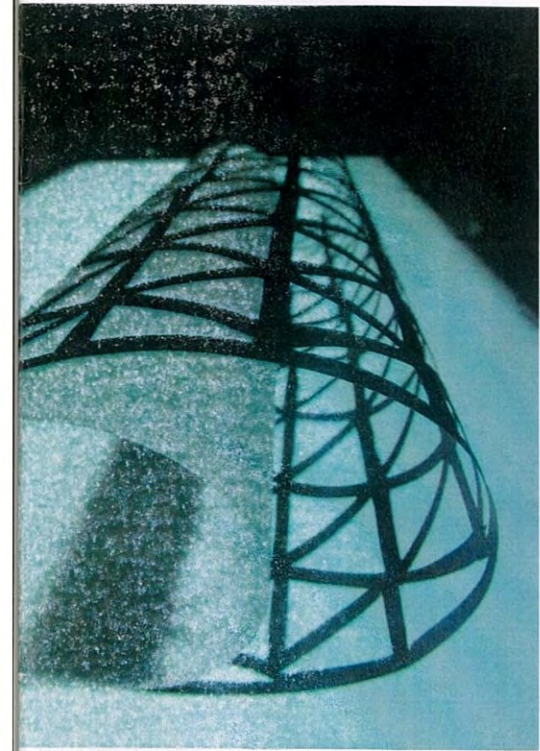
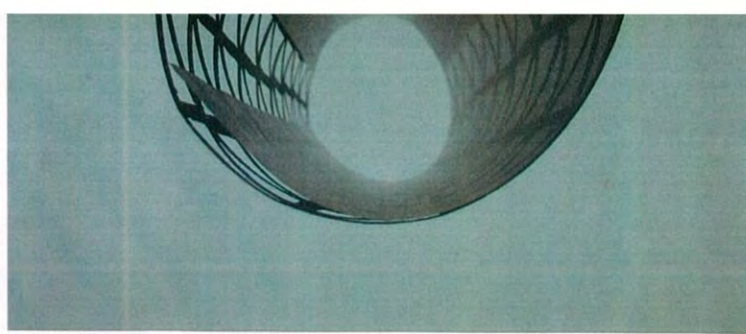
→ Rectangle cut
outs.
→ Repetitive.



→ Maybe triangles; Multiple & Repetitive triangles.

SHAPE DEVELOPING

- MULTIPLE / REPETITIVE
TRIANGLES.

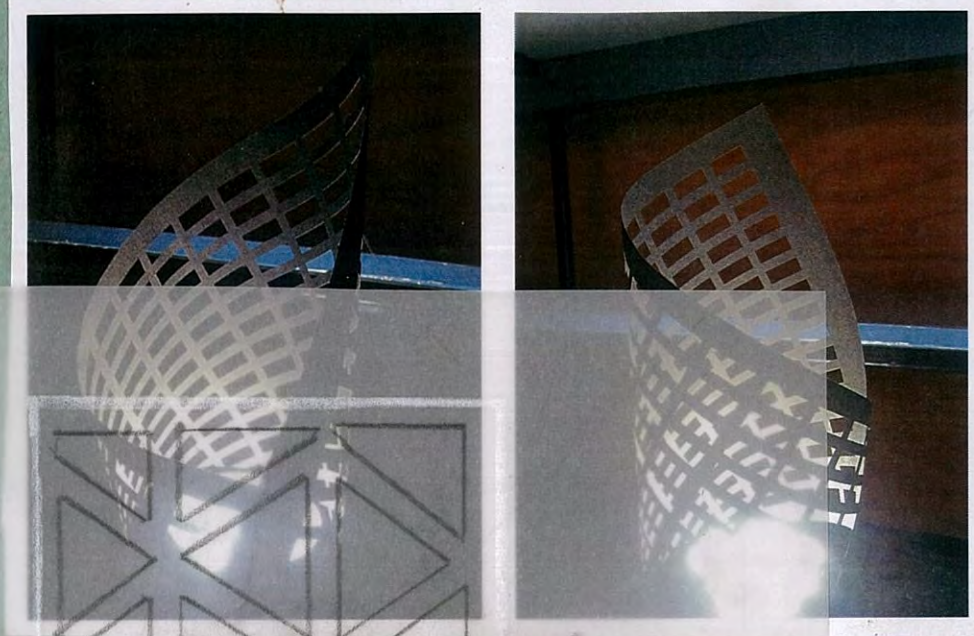


INSPIRATION

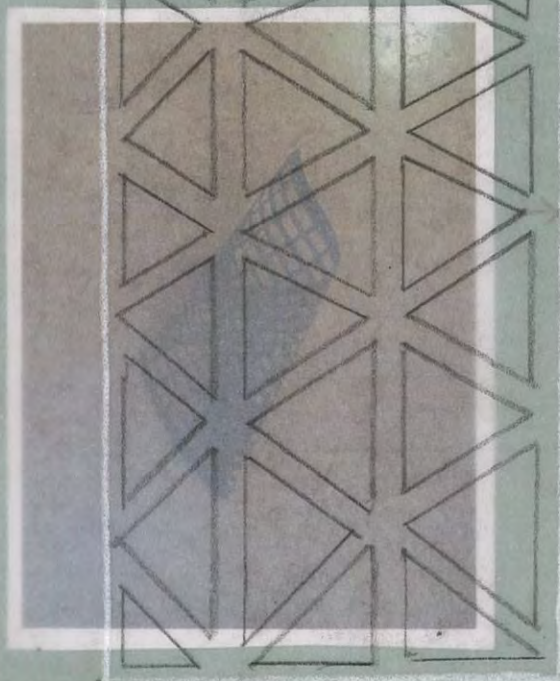
SHAPE DEVELOPING 2.

(Development 2)

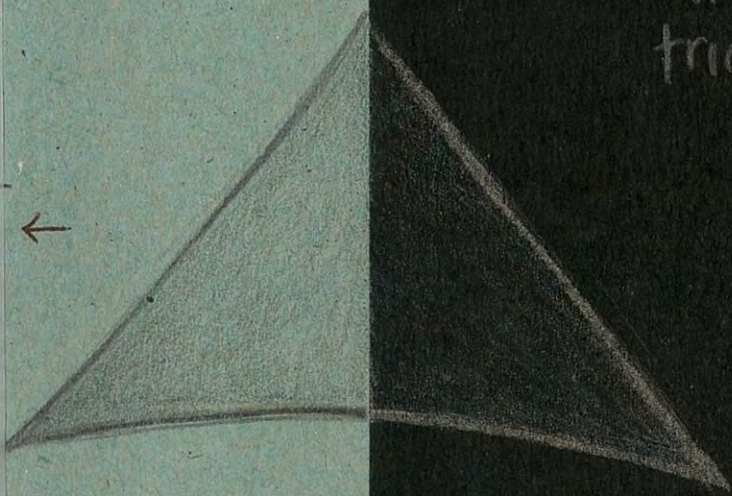
COMBINING RECTANGLES AND TRIANGLES



TO FORM THE PRODUCT SHAPE



RECTANGLE Triangle shape lead into an isometric shape.



FLOWING TRIANGLE

MULTIPLE TRIANGLES INSIDE A RECTANGLE
Rectangle cut-out in an isometric shaped paper.

TRIANGLE

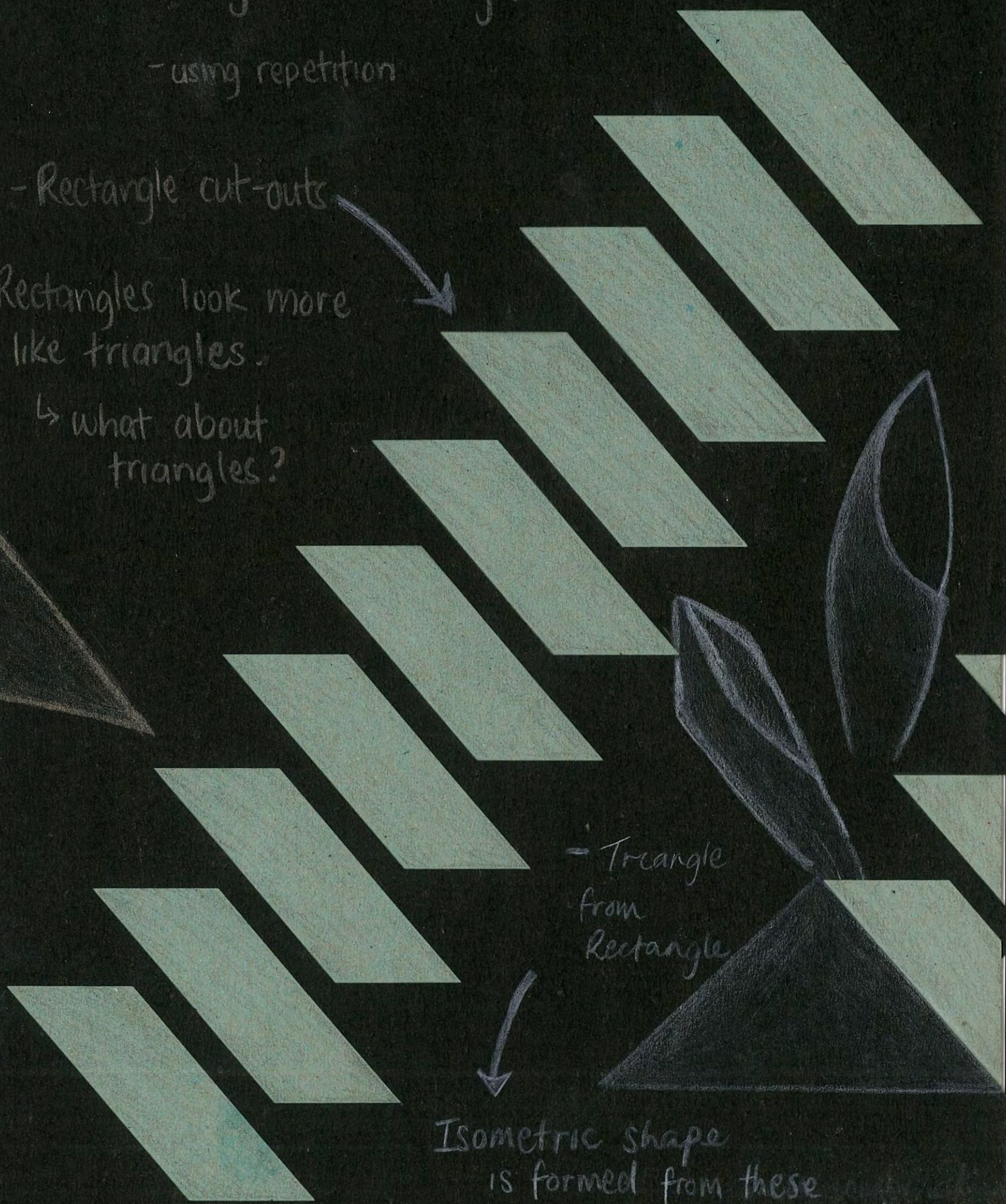
- Rectangle on an angle.

- using repetition

- Rectangle cut-outs

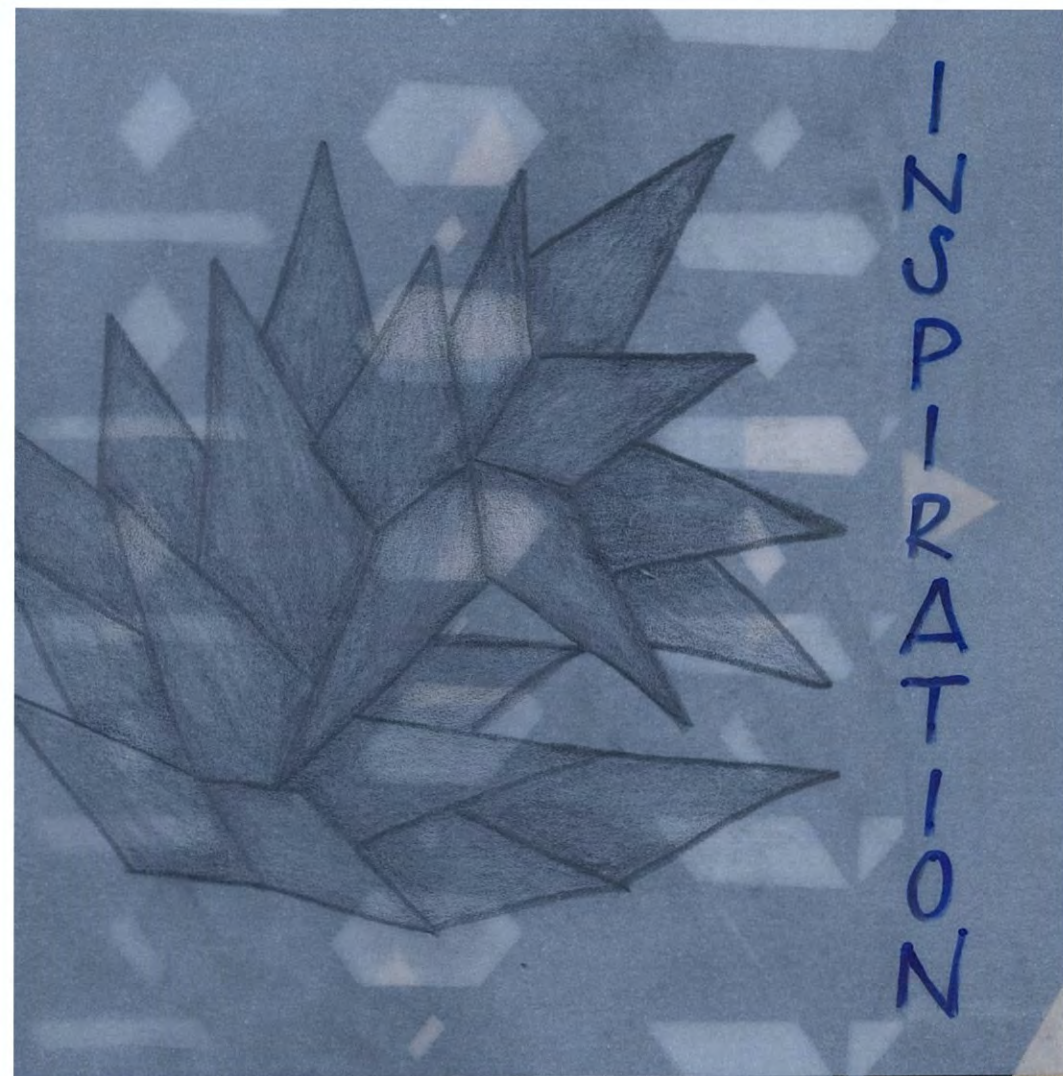
- Rectangles look more like triangles.

↳ what about triangles?

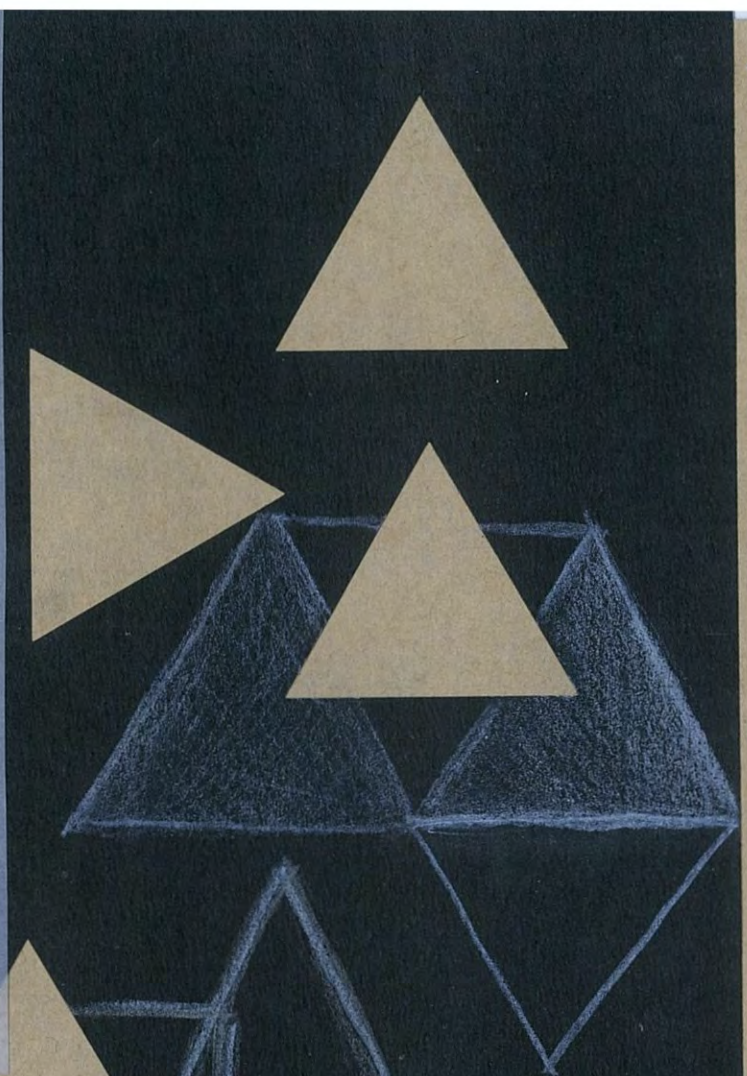


- Triangle from Rectangle

Isometric shape is formed from these combinations



INSPIRATION



FURTHER SHAPE (DEVELOPMENT 3)

- LAYERING SHAPES ON TOP OF EACH OTHER

Isometric shapes lead into -

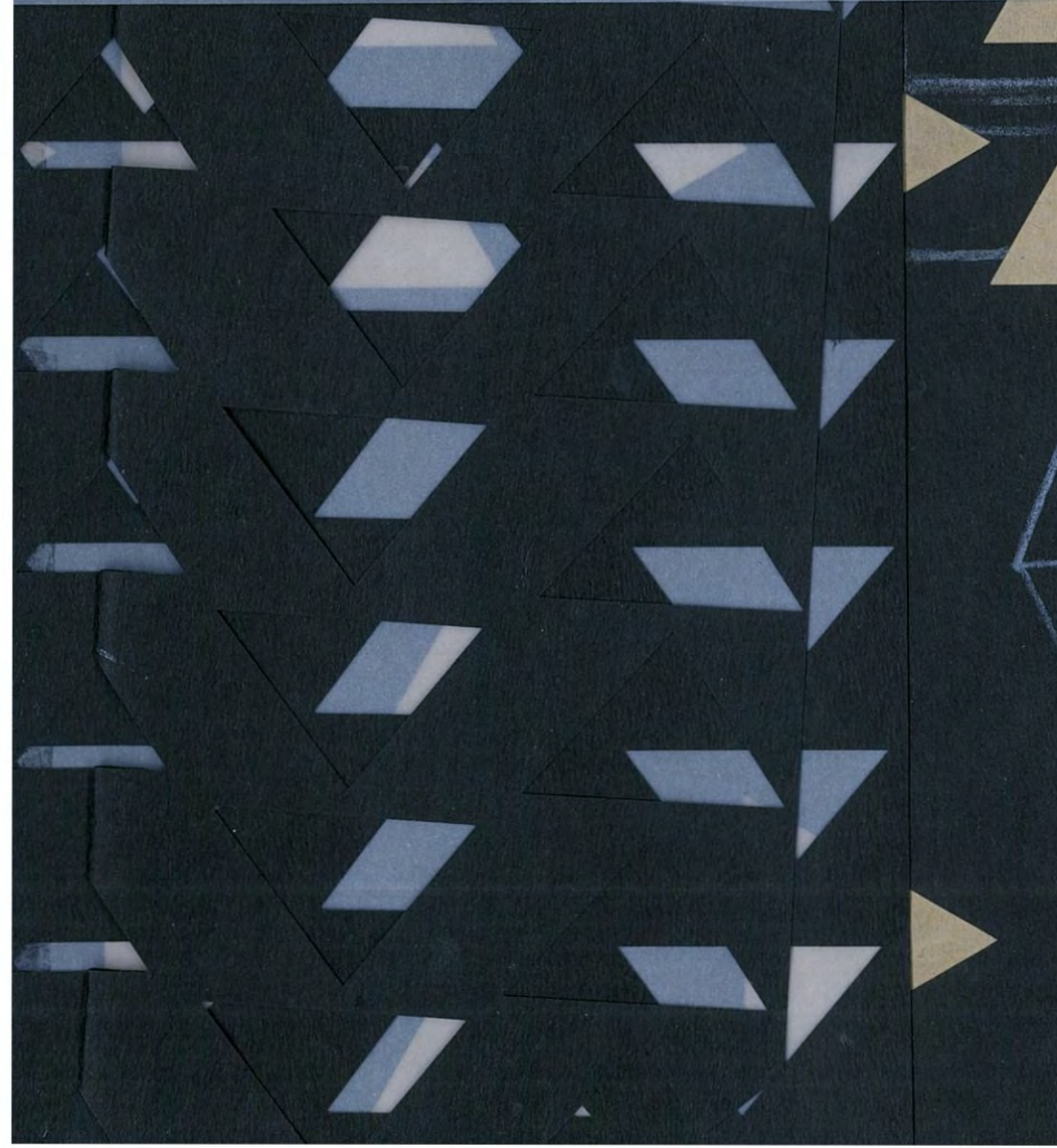
→ RANDOM TRIANGLES

- cut-out shapes on paper.

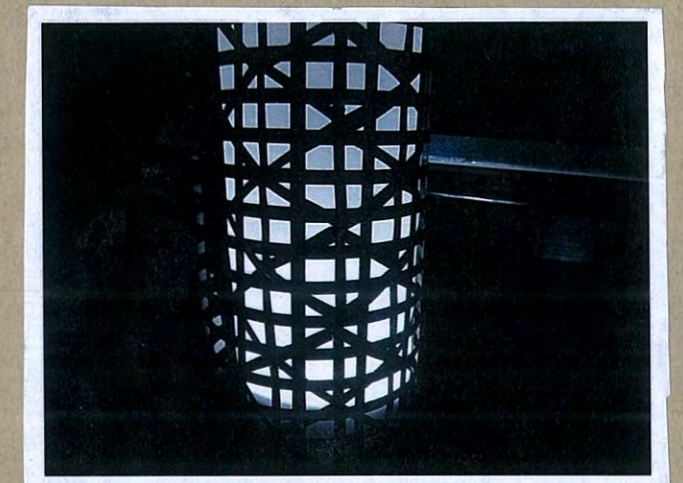
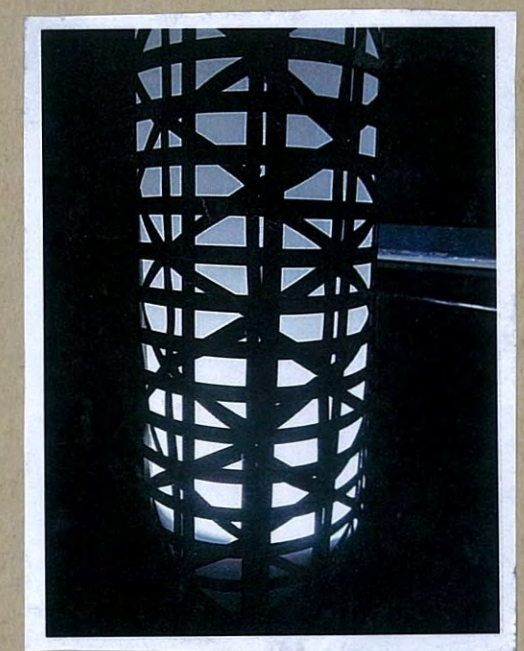
- COMBINING -

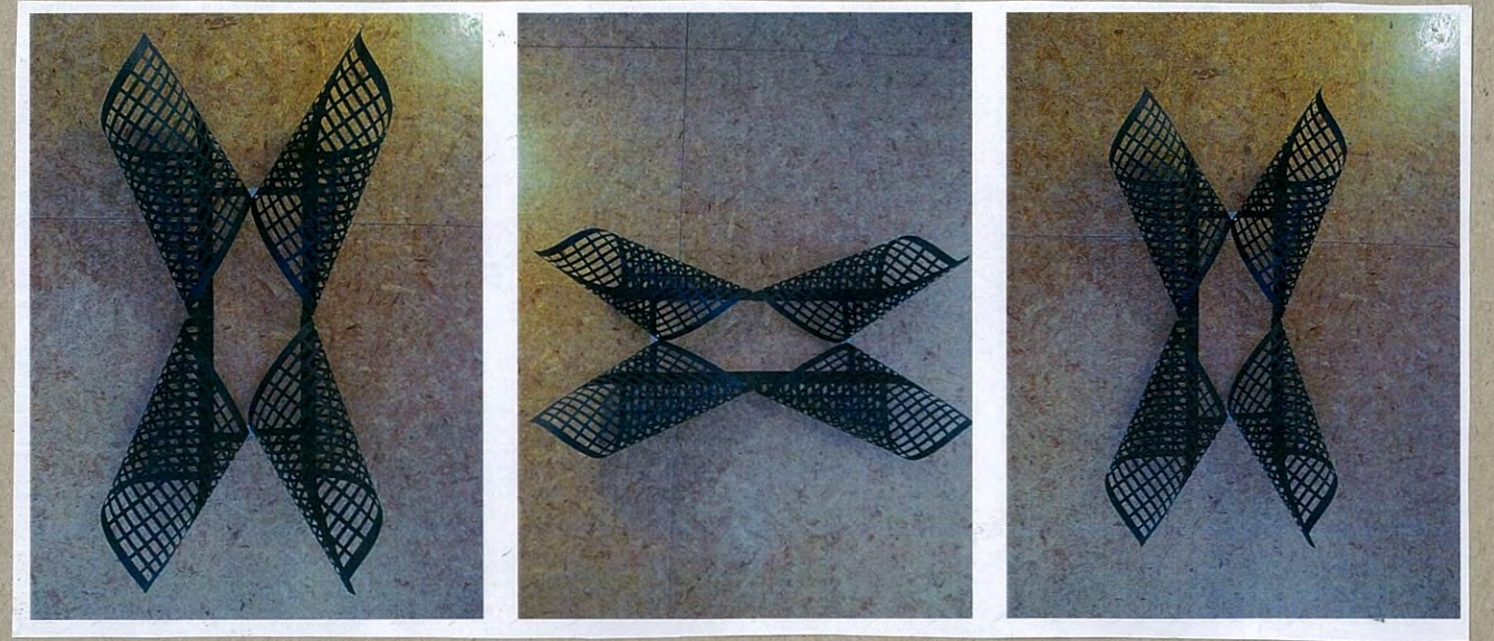
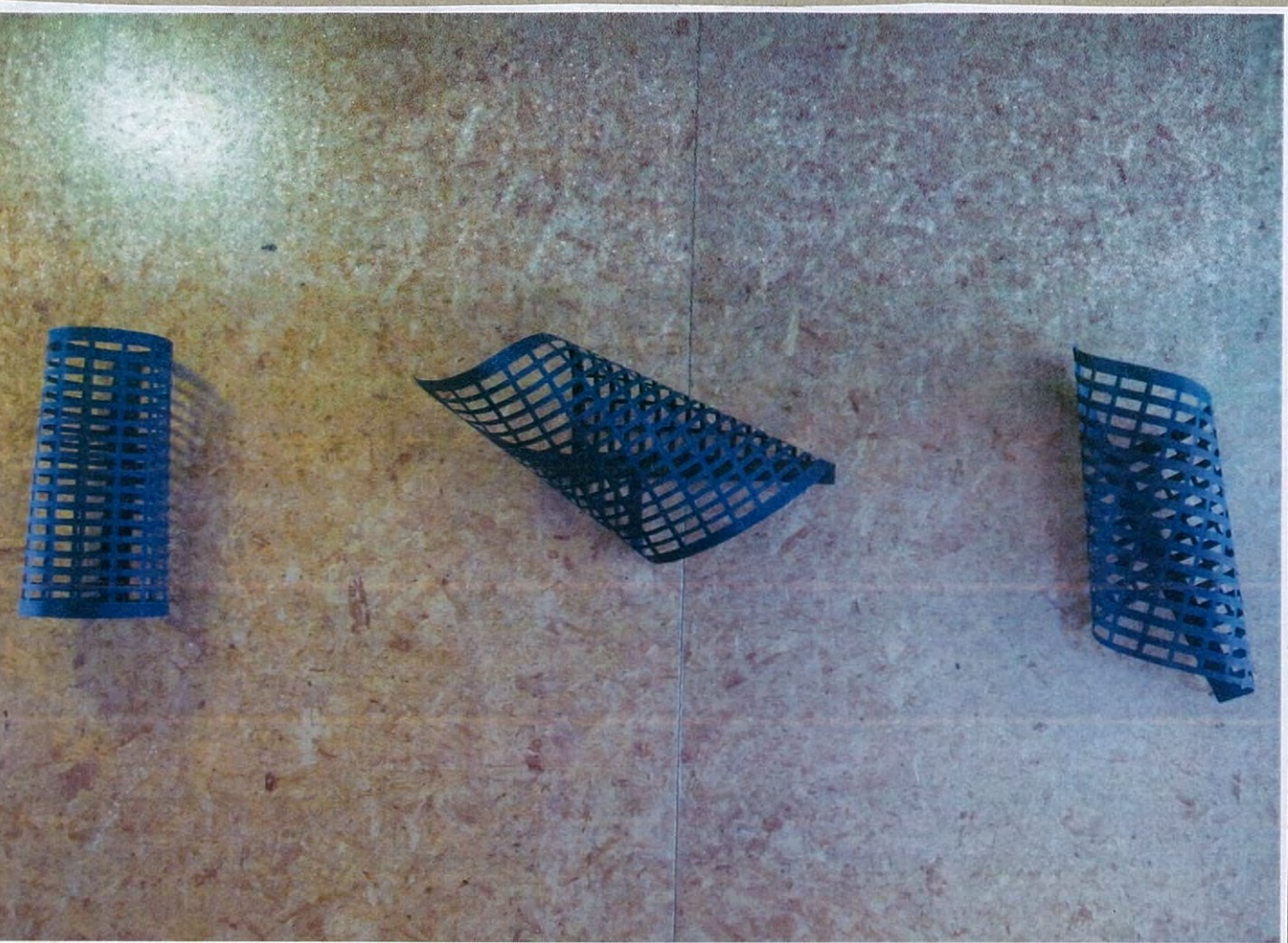
- Rectangle shapes overlaid on the triangles (random)

- overlayers / overlap



- Random Triangles overlapping on the Rectangles →

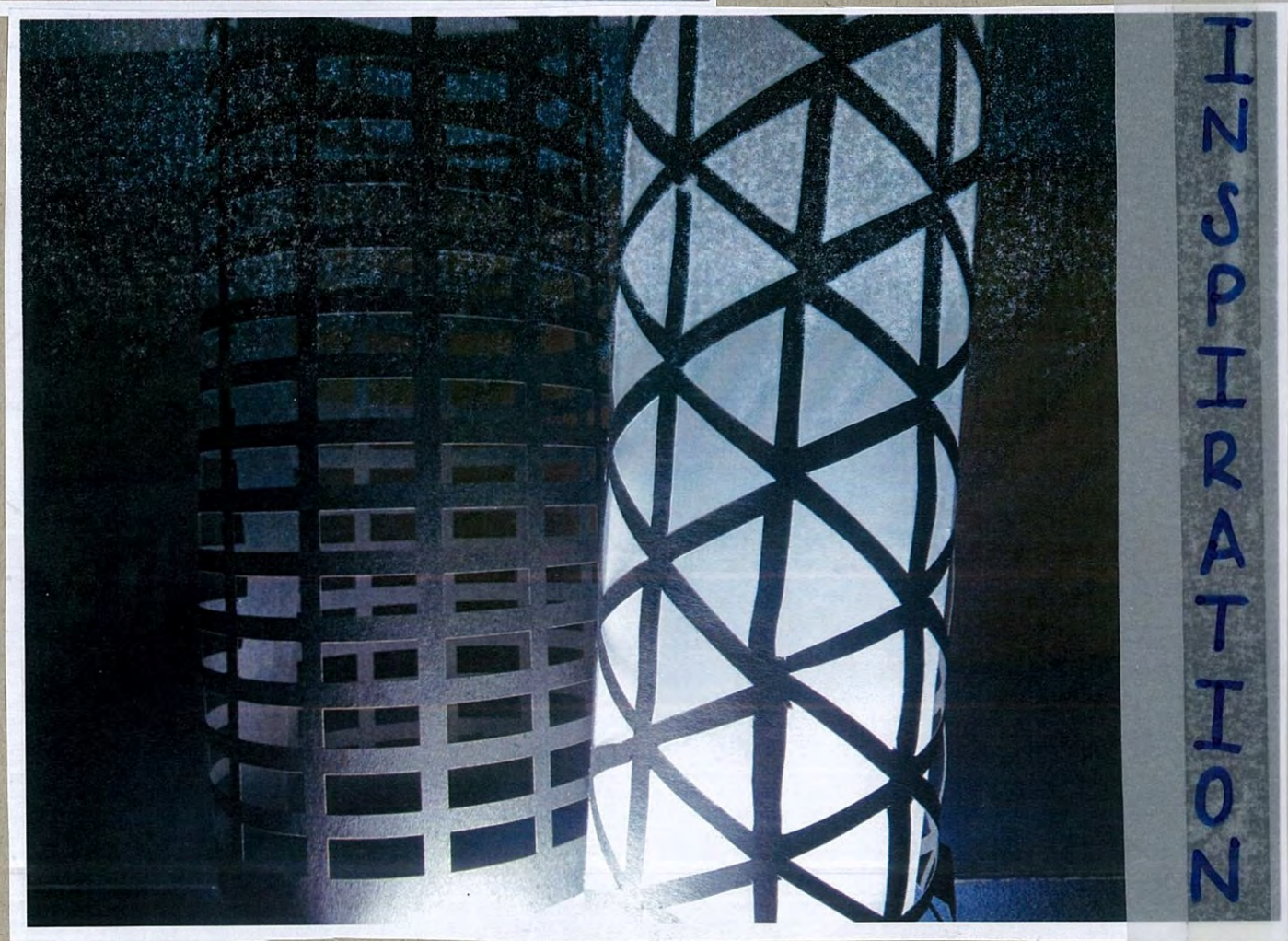




→ Multiple isometric shaped (cylinder) Rectangles.

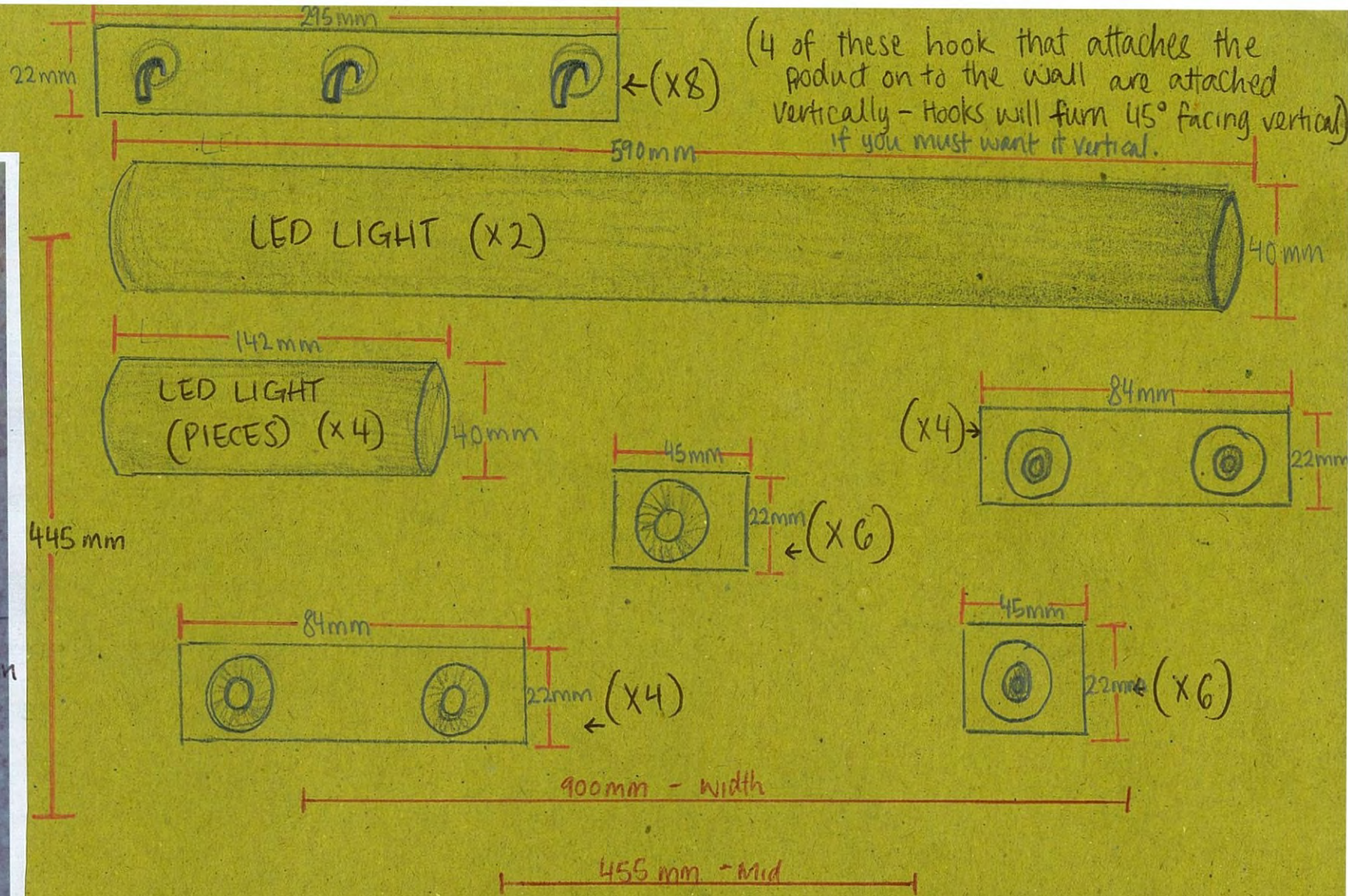
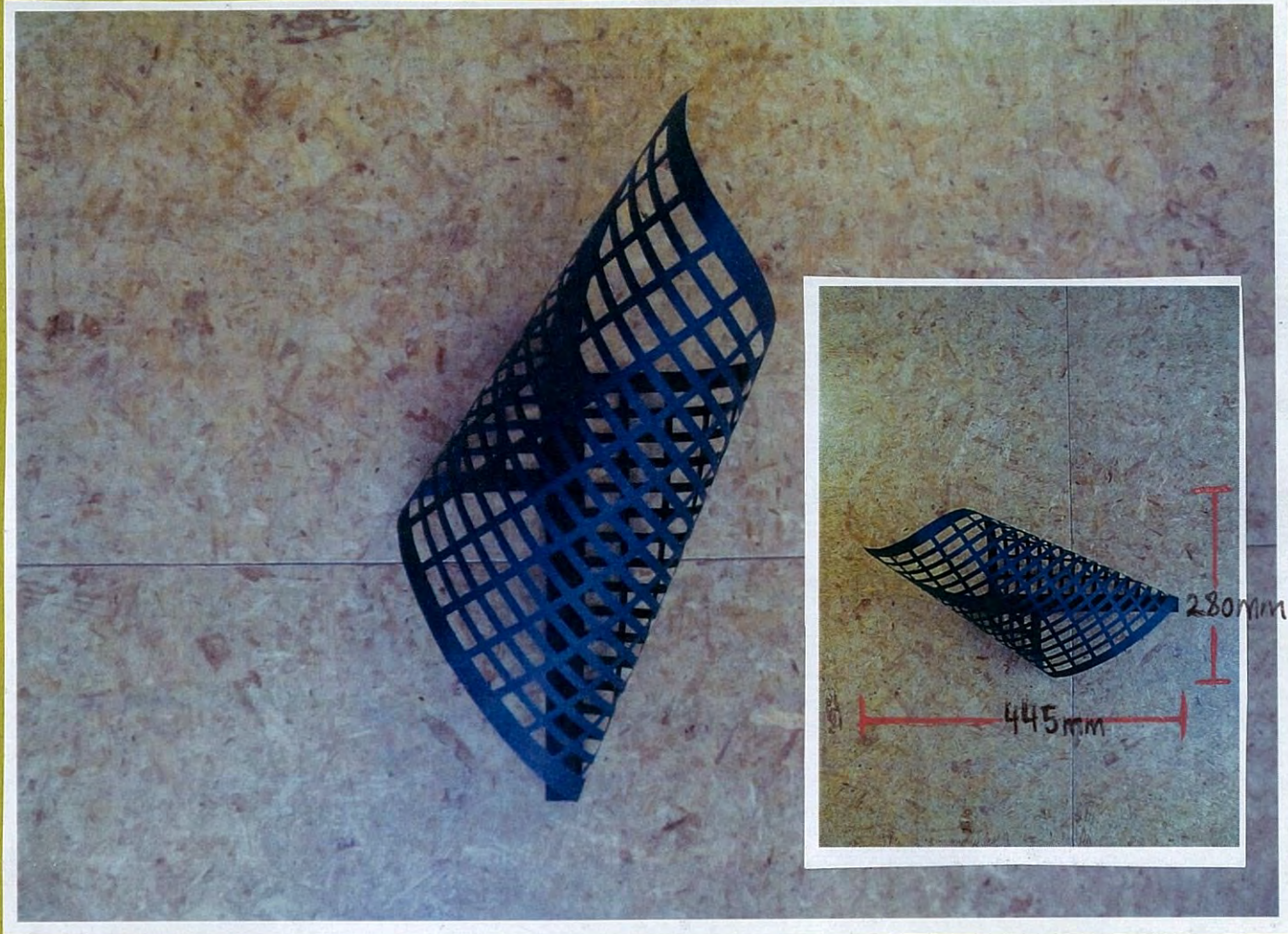
- Multiples could be into fours ↑ - Different sets

- Multiple Cylinders with different Shapes.
(Random Triangles and Rectangles) →



DEVELOPMENT 5. MULTIPLES.

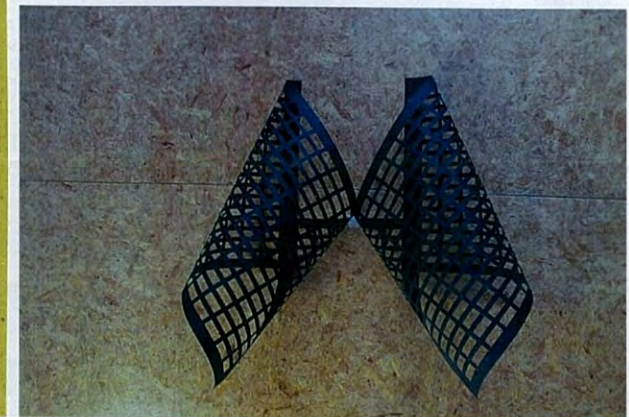
SIZE DEVELOPMENT 6.



280mm

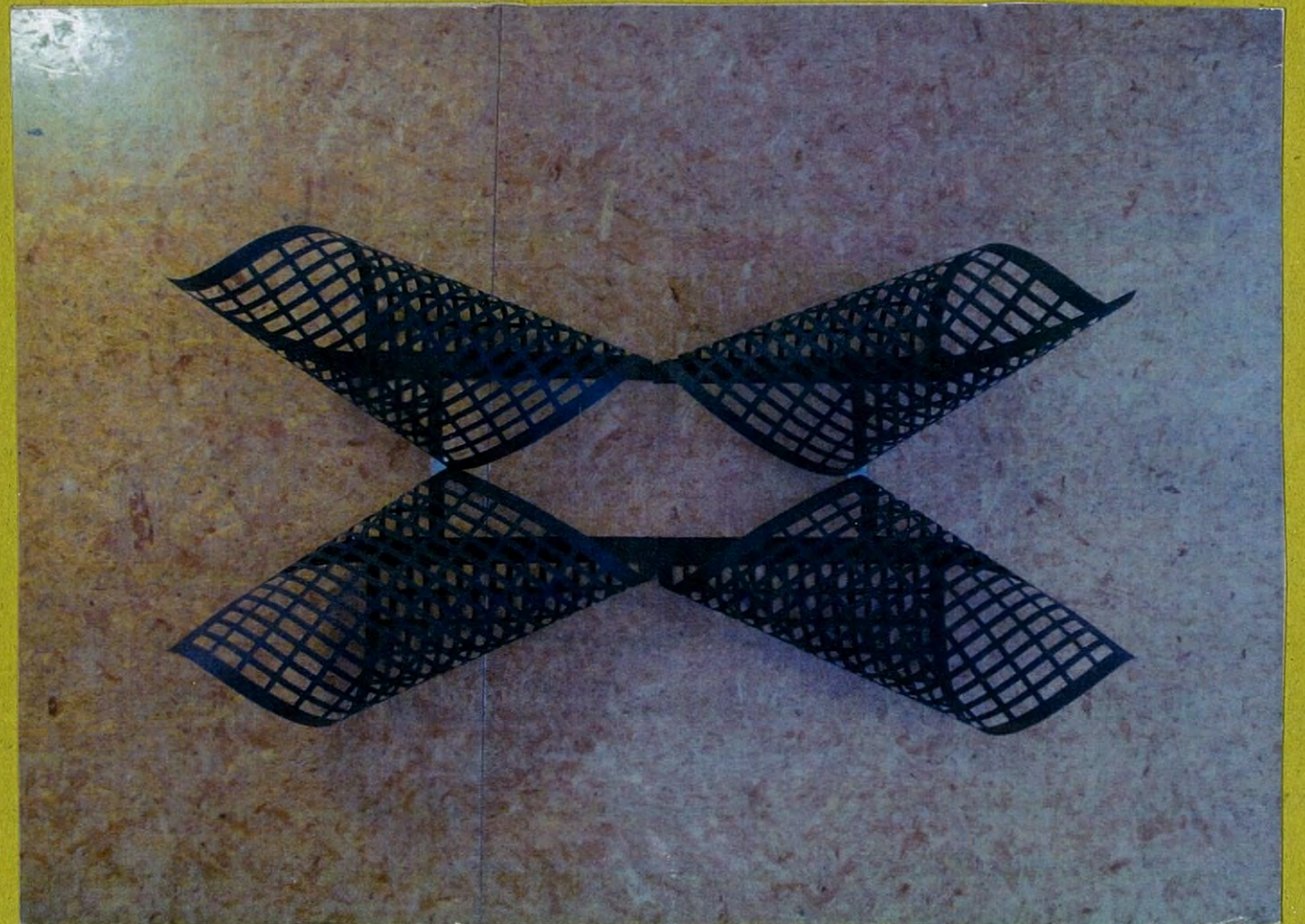


→ could have multiples across the walls.



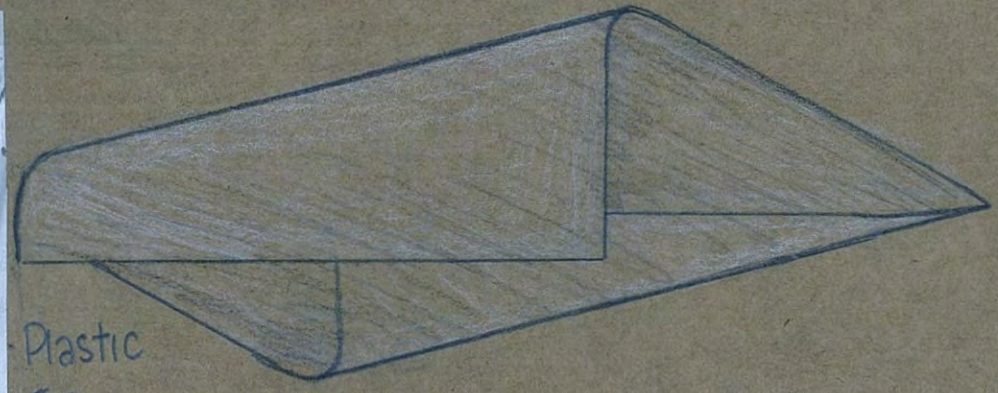
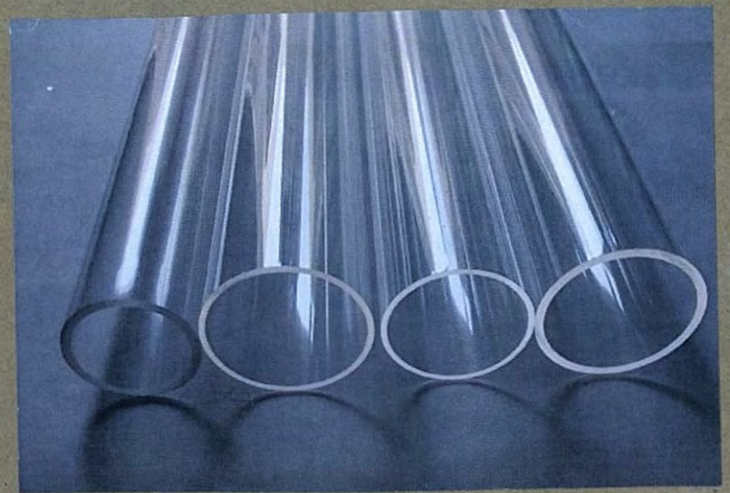
- This (lighting design) → is going to be attached to the wall.

520mm height

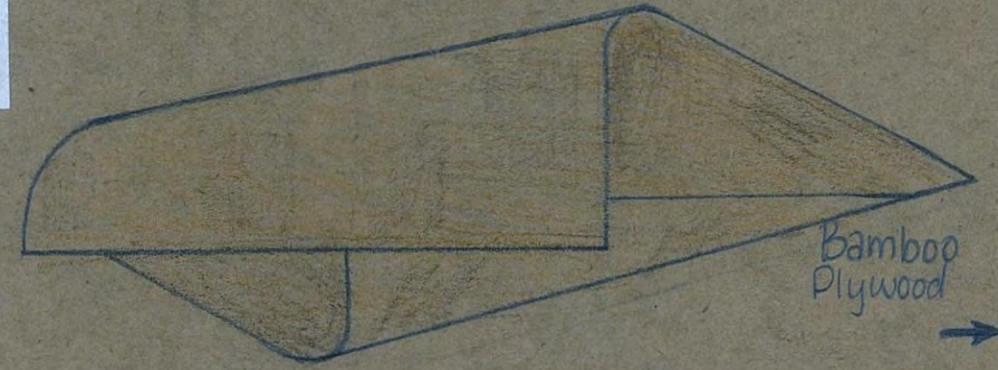


DEVELOPMENT 7

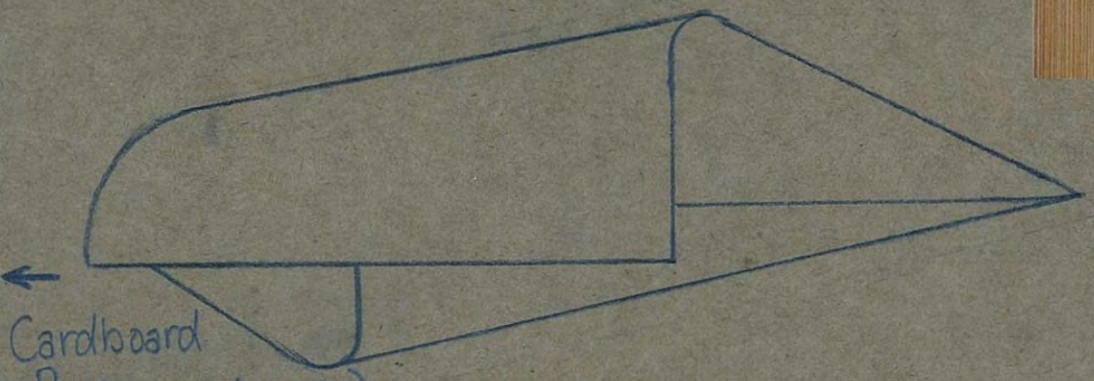
MATERIALS



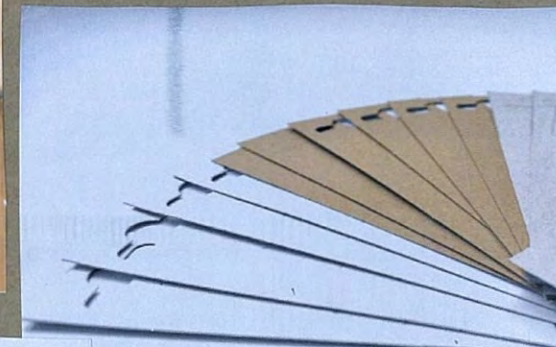
Plastic ←



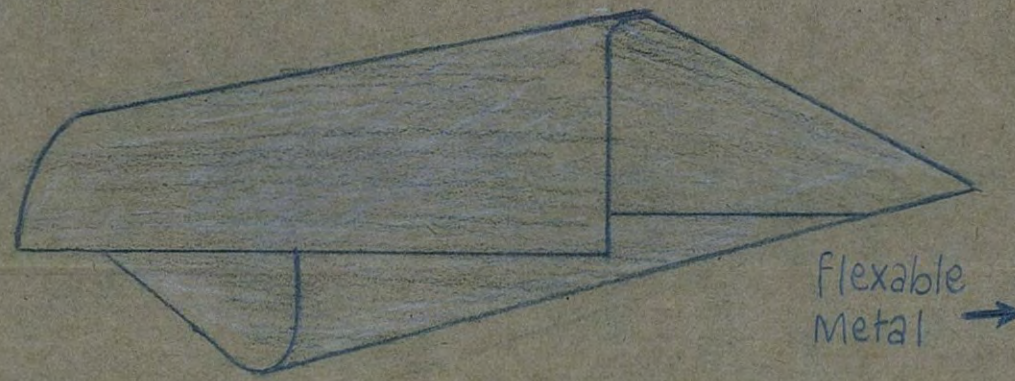
Bamboo Plywood →



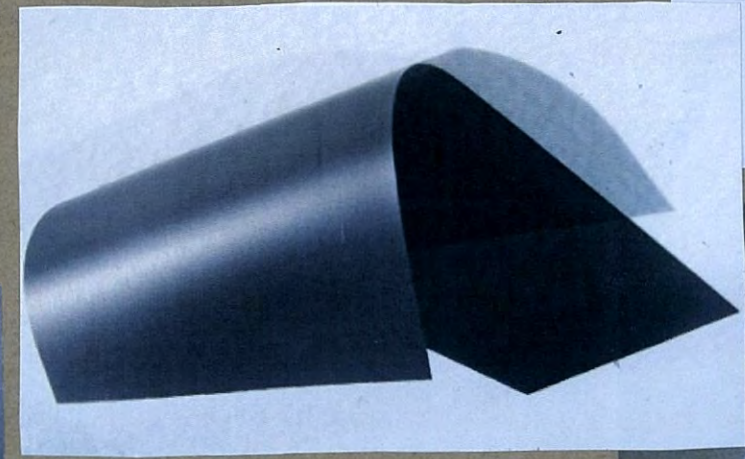
← Cardboard Paper (cardpaper)



- CHOSEN MATERIAL



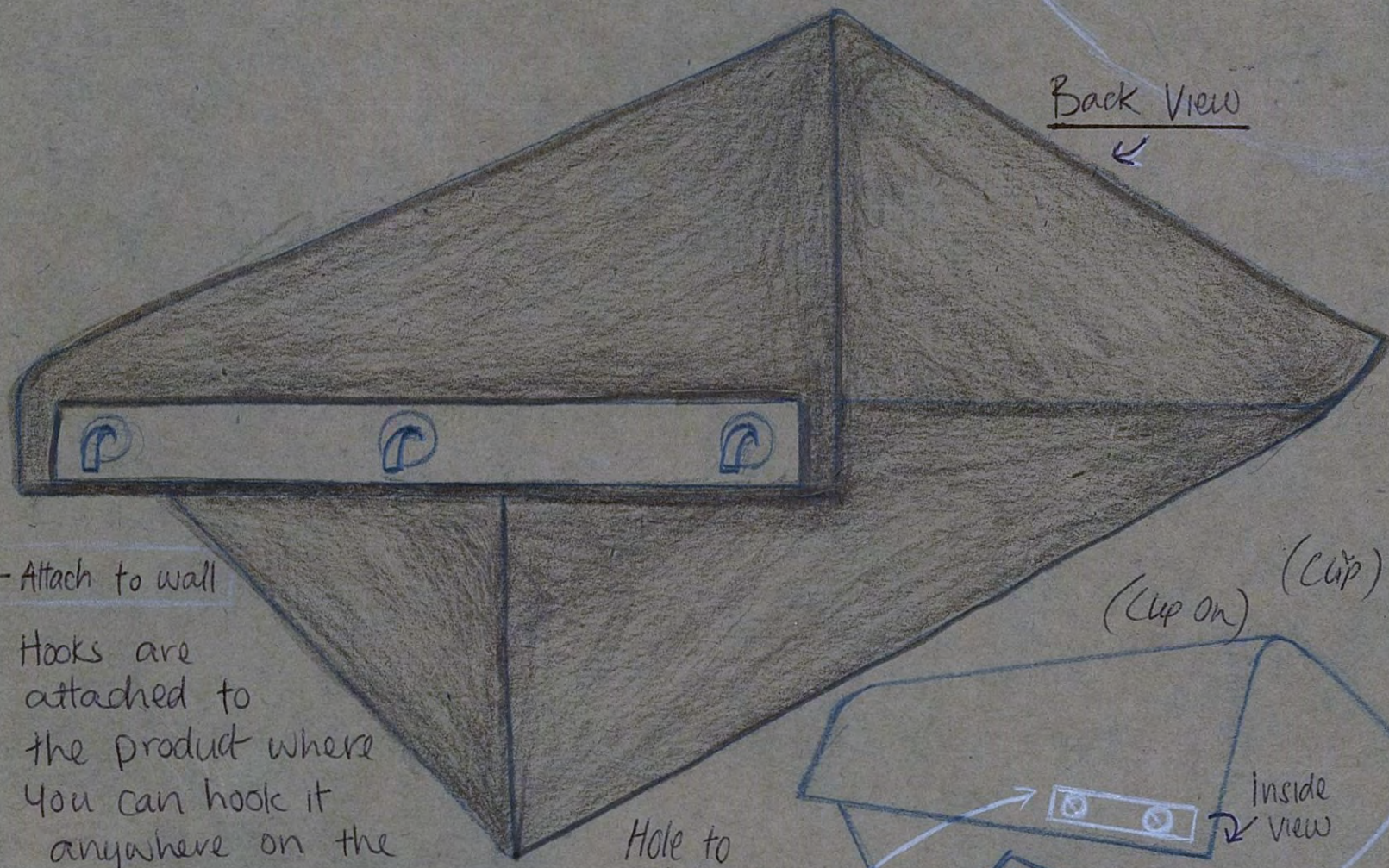
flexable Metal →



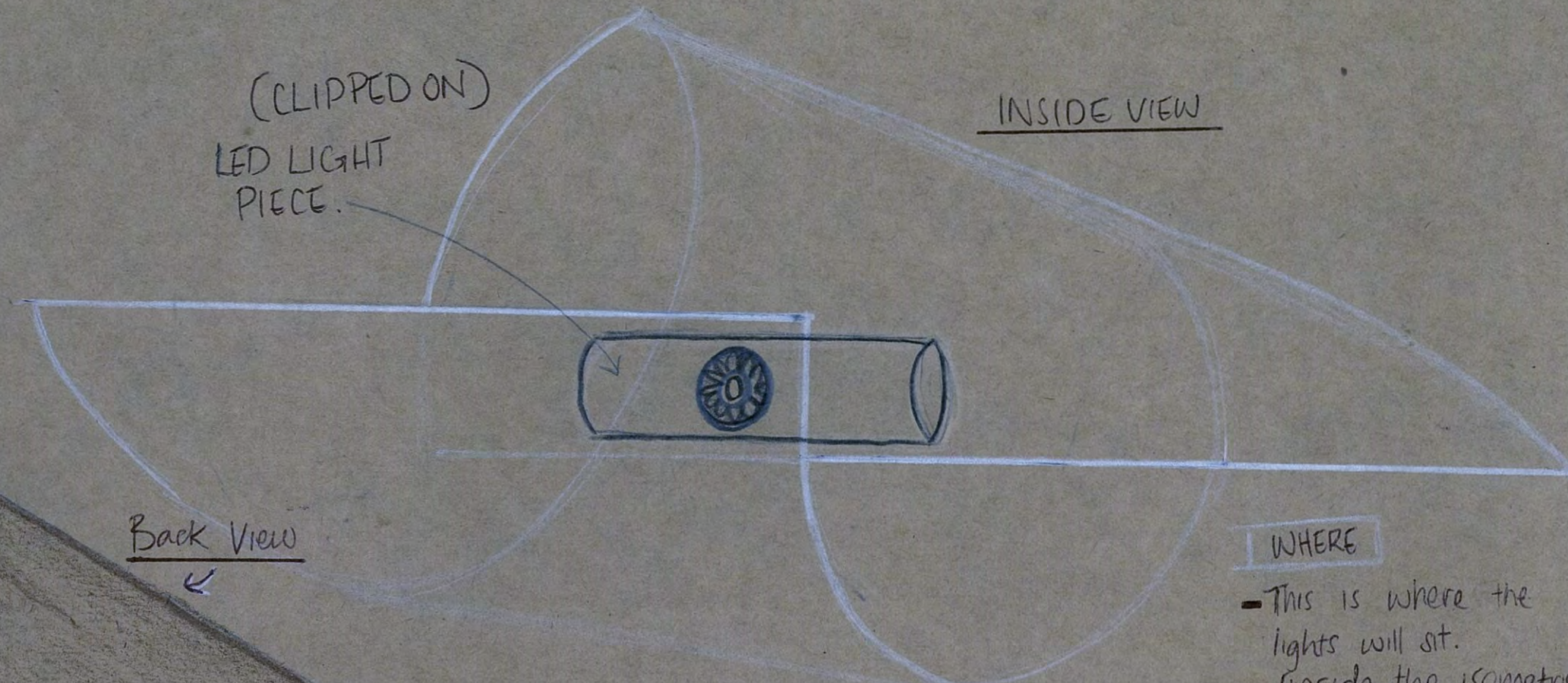
1 2 3

How

- * will it attach to the wall?
- * and where will the light sit?
- * will it turn from flat to cylinder?



Back View



INSIDE VIEW

WHERE

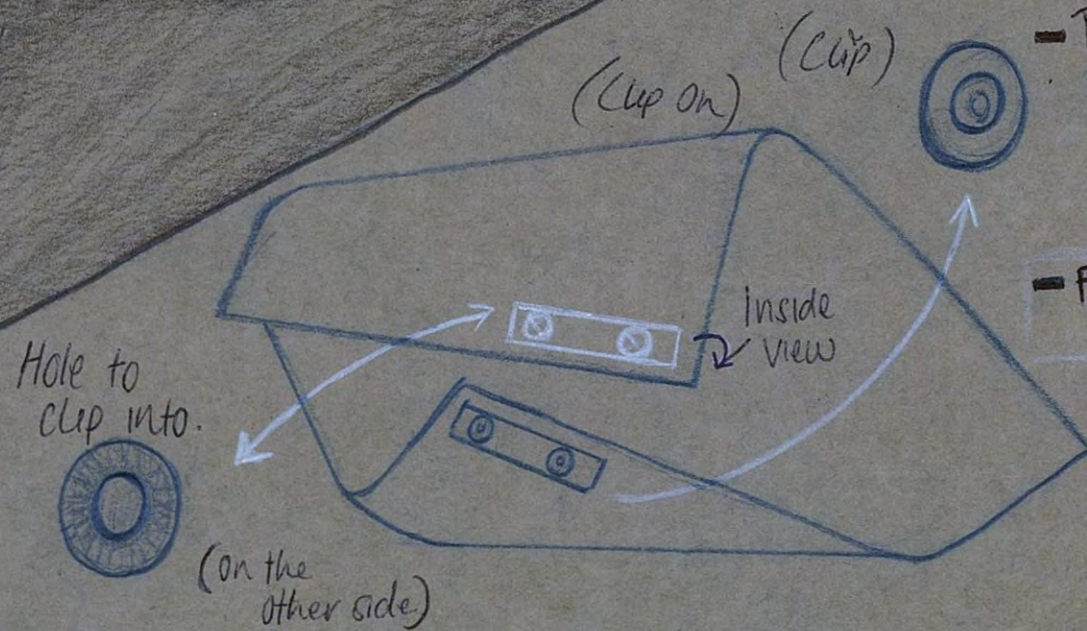
- This is where the lights will sit. (inside the isometric cylinder)

How

- The LED Lights will be clicked on. Same attachments as to how you turn flat into cylinder. (click and go)

- The clips will already be attached to the object. Just need to bend and clip.

- Flat to cylinder. (Just a clip and go)



LED LIGHTS

↳ Cut (In pieces)

- (clip the light led piece on to its clip on the wall and go.)

The clip will be attached to the LED light piece.

FINAL DEVELOPMENT

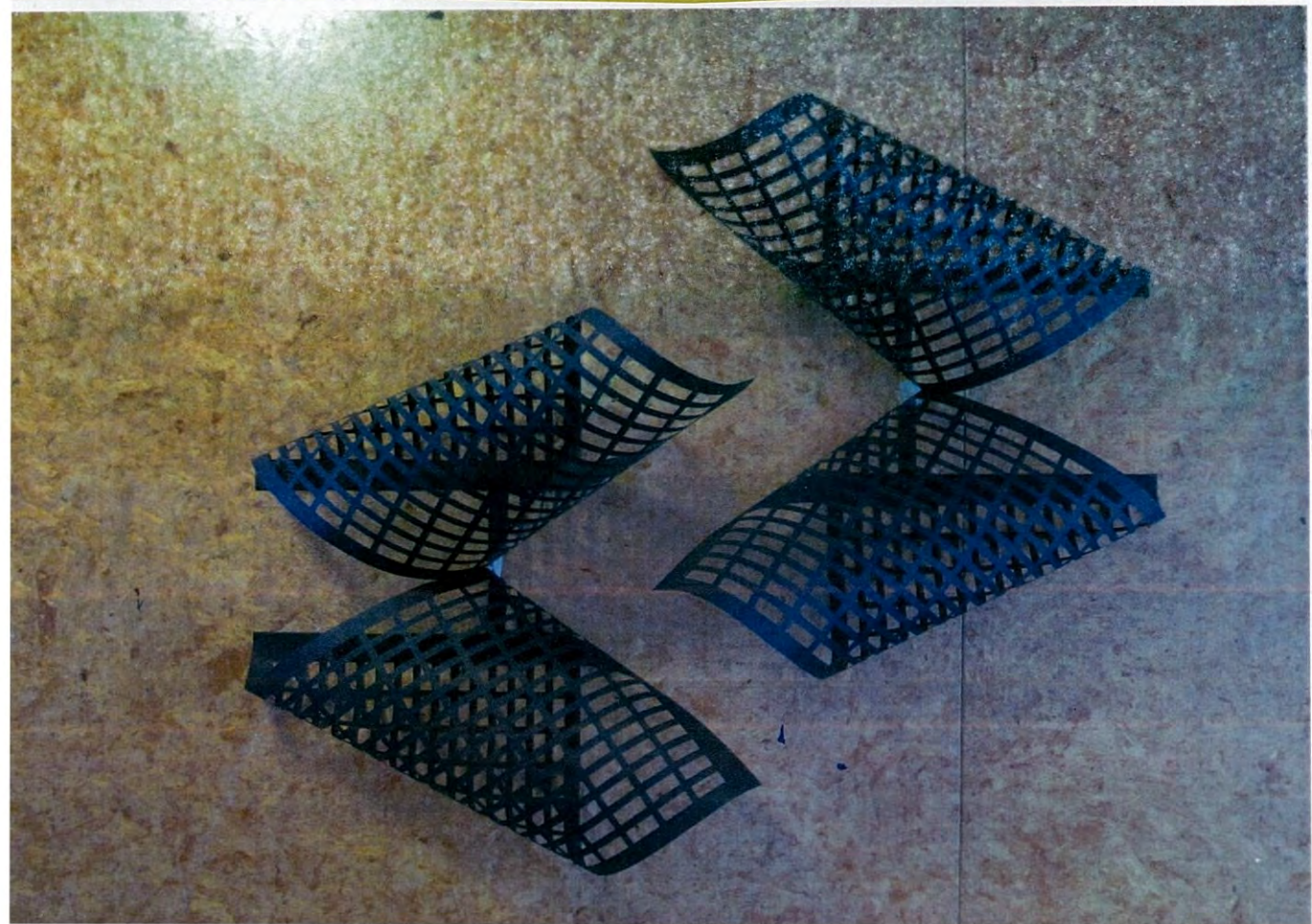
FINAL - HOW IT WORKS

- This light design comes in a kit set.
- with four isometric cylinder shaped form.
- ↳ you can arranged them into different types of formation you like.
- Comes with 6 LED Light pieces where you can easily just click them on to their place.
- ↳ 2 long LED strips & 4 cut up pieces.
- The 4 cut up LED pieces can be used in this setup below

LED LIGHT SET (w/ Pieces)

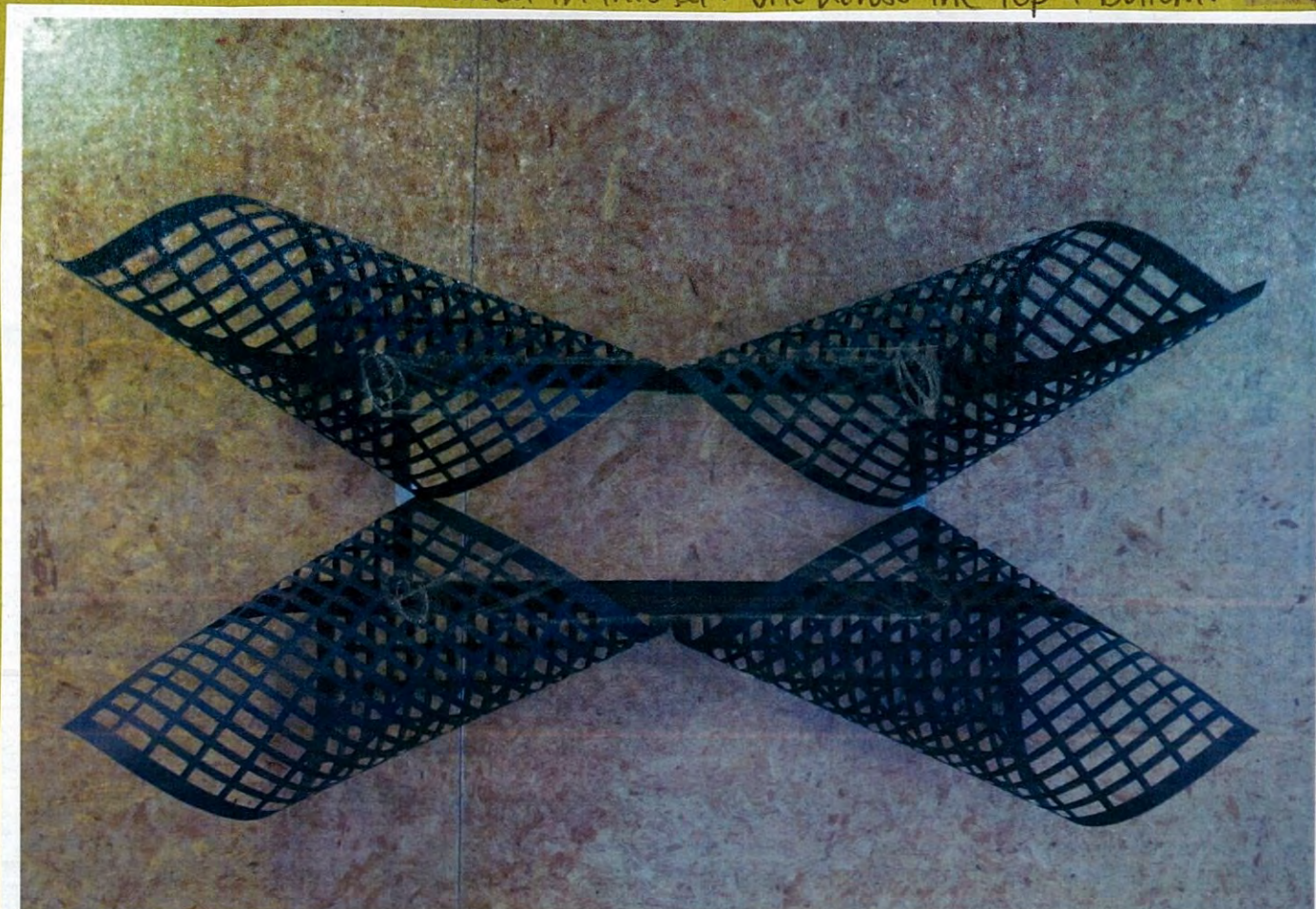


- The 2 long LED strips can be used in this set. One across the top & bottom.



↳ These are two possible formation of this product.

↳ Could have multiples across the walls if you want.



FINAL - 3D

COMPOSITION #2

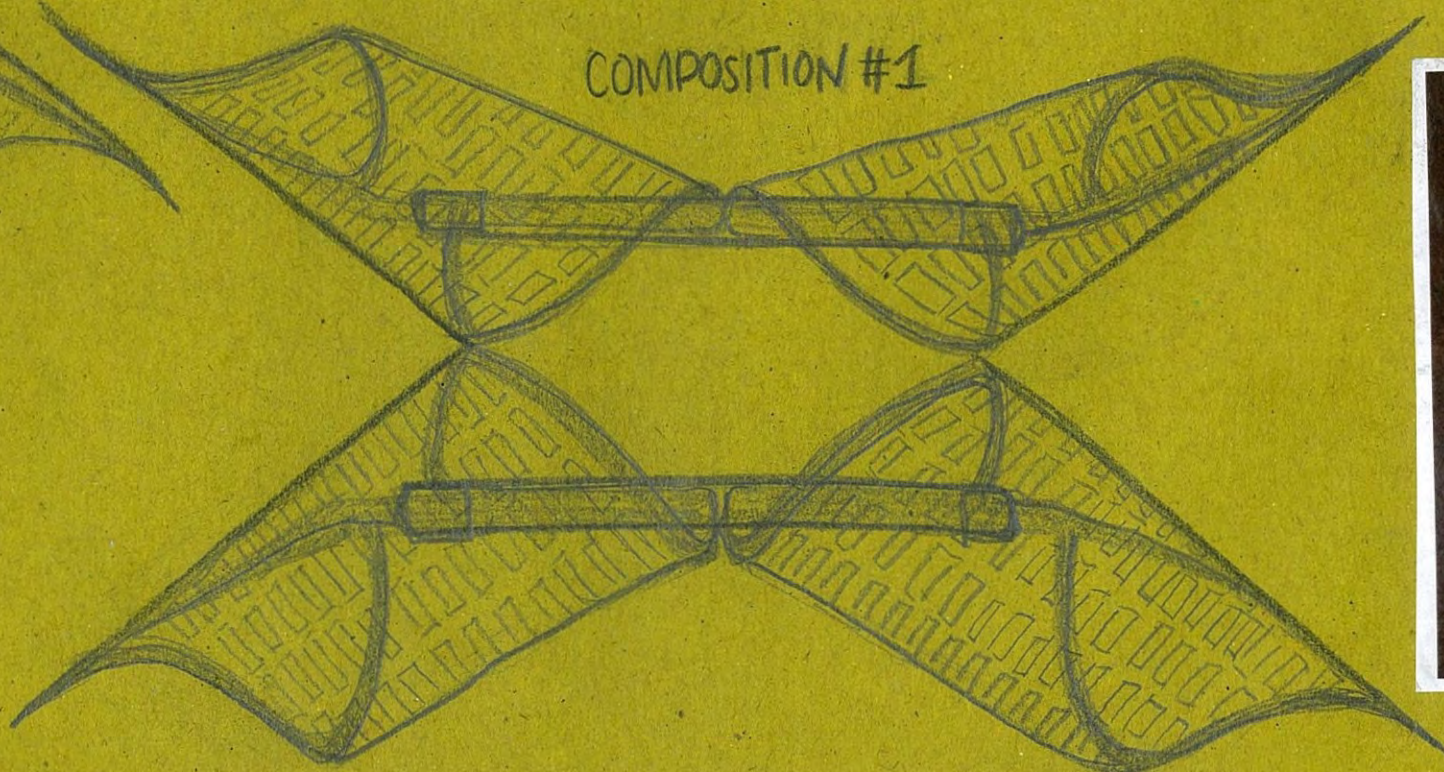


45°
turn
to the (COMPOSITION #3)

FRONT VIEW



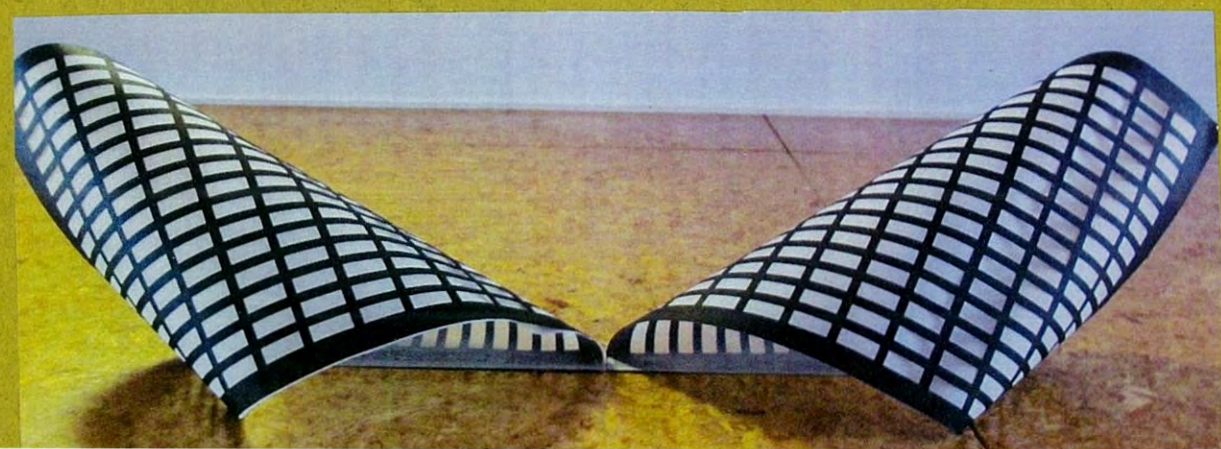
COMPOSITION #1



SIDE VIEW



BOTTOM AND TOP
VIEW



FINAL - IN CONTEXT

