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Website Collection

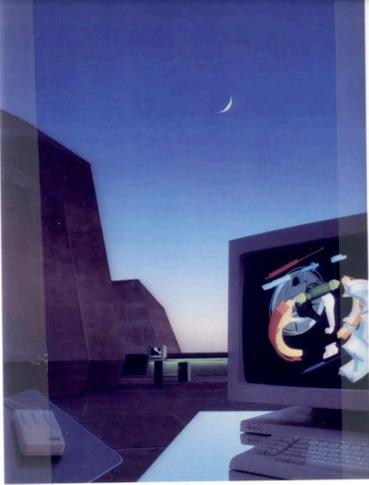
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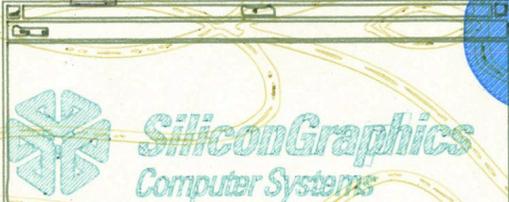
# END OF 2025 PORTFOLIO

ZAYN TAIMURI SHAFI UDDIN

*Fashion Product Design Engineering*



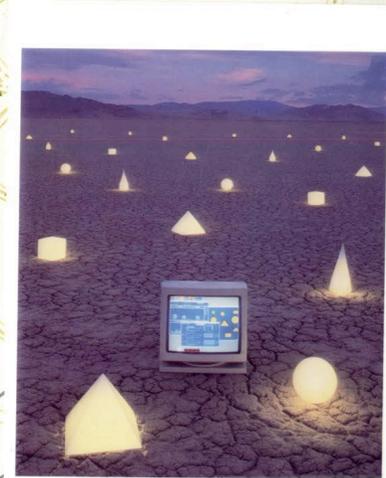
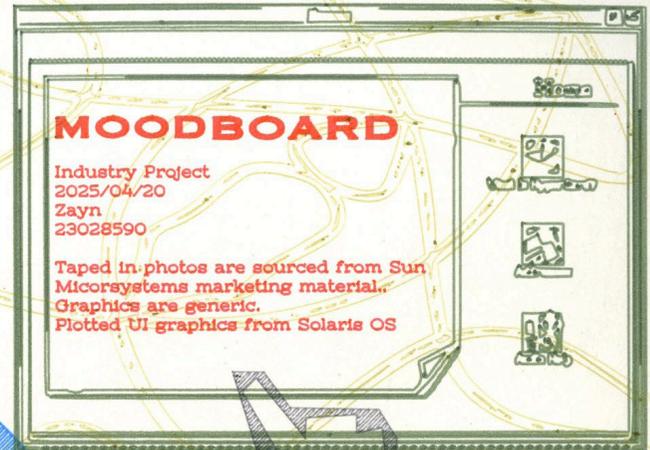
# SUN



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2003

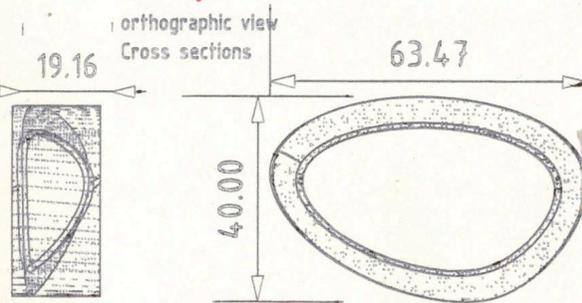
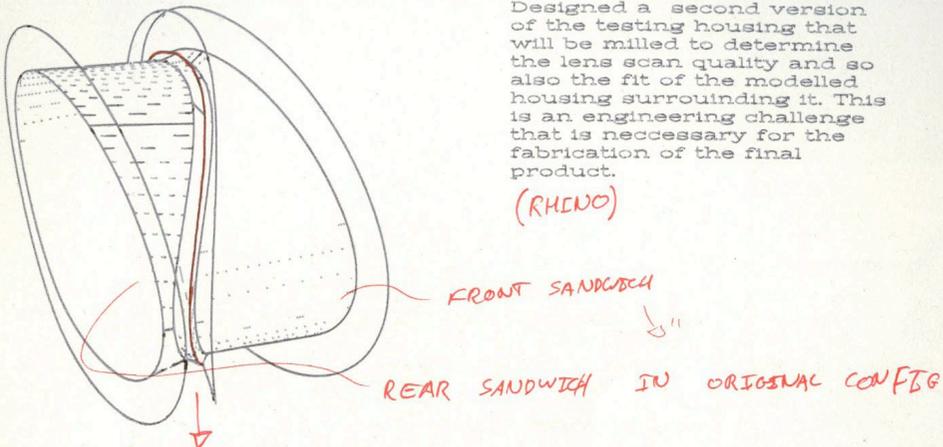


# Sun

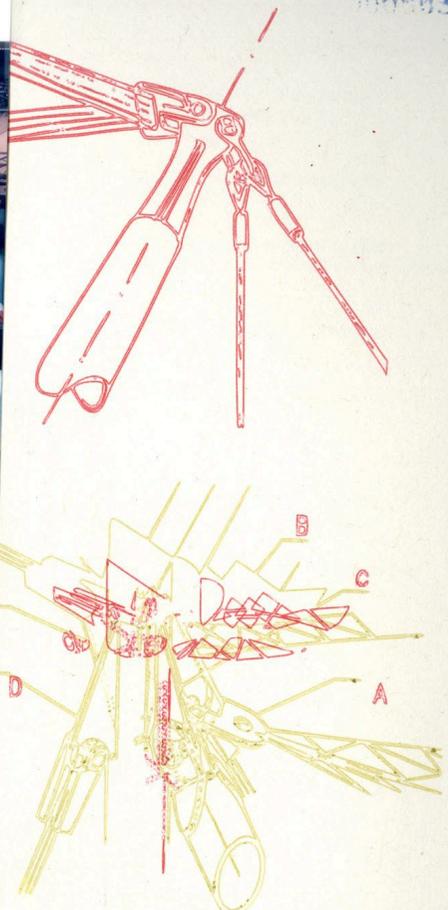
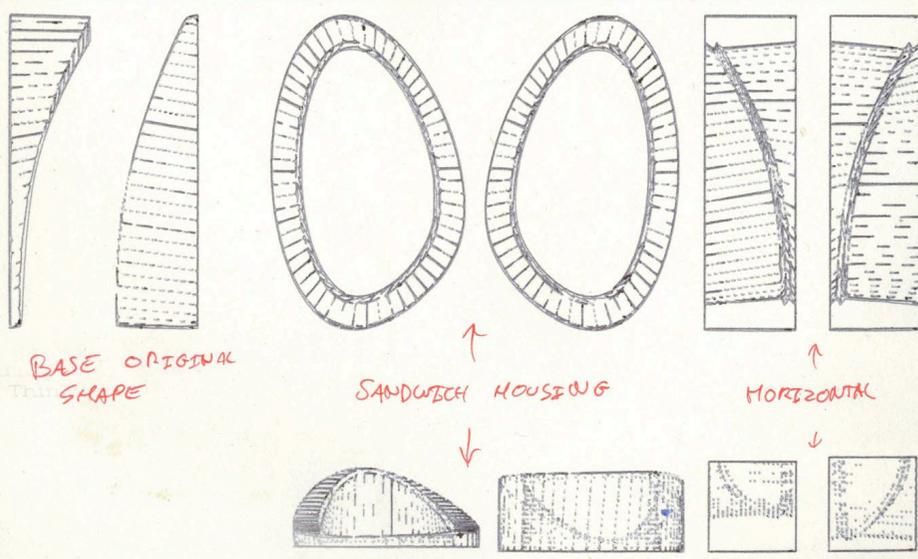
Pages from my sketchbook-  
This first project is for bespoke  
eyewear

Designed a second version of the testing housing that will be milled to determine the lens scan quality and so also the fit of the modelled housing surrounding it. This is an engineering challenge that is necessary for the fabrication of the final product.

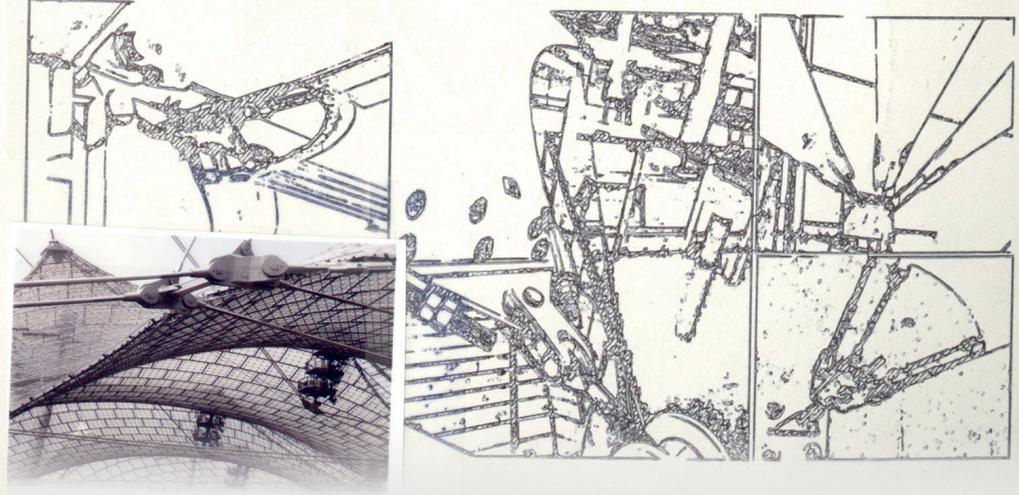
(RHINO)

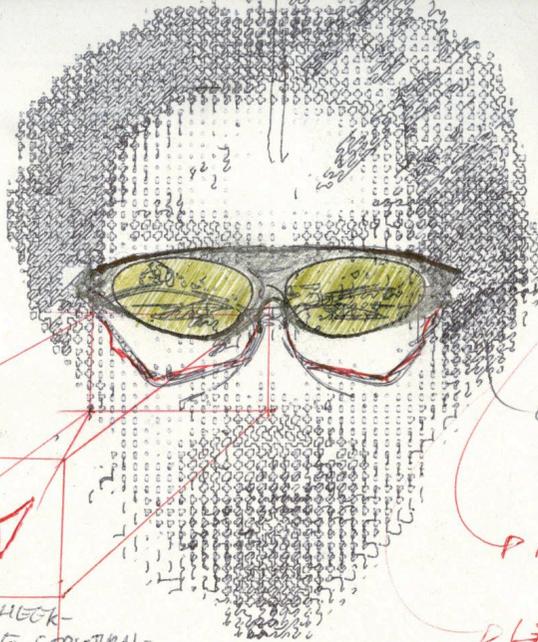


Eyewear Lens-Housing test fitting & experiments-



Tensile tent and fabric technology using lightweight, high-strength materials stretched and tensioned across minimal structural supports for durable and wind resistant form. In smaller applications this technology is responsive in a force-feedback/ elastic way.





STREAMLINED  
VELOCITY

LIKE A SEAGULL



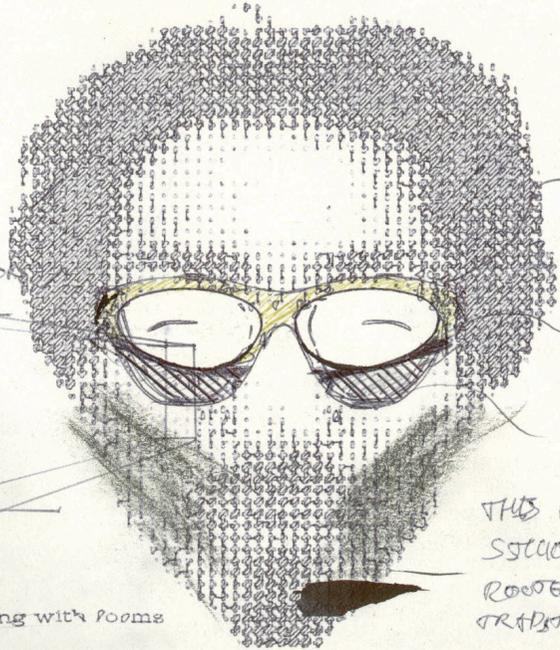
OPEN  
INTERESTED  
CALM

CURLED RUBBER BAND  
BESPOKE FIT  
AROUND TEMPLE &  
NOSE BRIDGE

P POLARISED TO  
CLOSED-OFF

D LIKE AN AIR INTAKE

BESPOKE CHECK-  
NOSE BRIDGE STRUCTURAL-  
SUPPORT



CROSS SECTION

DSP  
STACKLOAD  
PERSPECTIVE

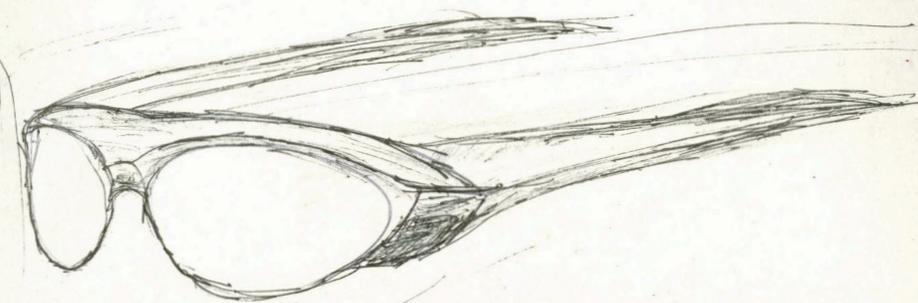
SEMI-  
HEXAGONAL  
OUTER EDGE

ANGLED  
&  
ORGANIC  
TEXTURE

THIS FRAME'S  
SILHOUETTE IS  
ROOTED IN  
TRADITIONALISM

Experimenting with forms  
and fit

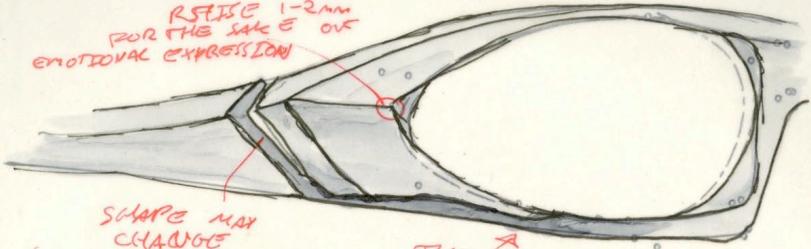
UNIBAND FORM DOES NOT  
CURRENTLY USE HINGES



Initial draft for the  
form.  
Exciting pages here  
but we will need to  
skip ahead a little!  
Imagine lots of  
iteration &  
refinement

PERSPECTIVE  
DRAWINGS ADDED  
USING PEN-PLOTTER

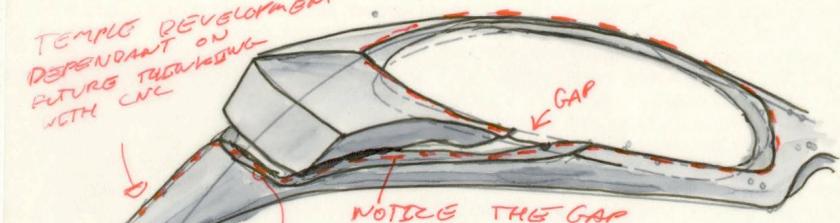
RSTIE 1-2mm FOR THE SAKE OF EMOTIONAL EXPRESSION



SHAPE MAY CHANGE (DEPENDANT ON CNC MACHINING & MATERIAL LIMITATIONS)

THIS LENS HOUSING "DERAILMENT" REQUIRES DEVELOPMENT

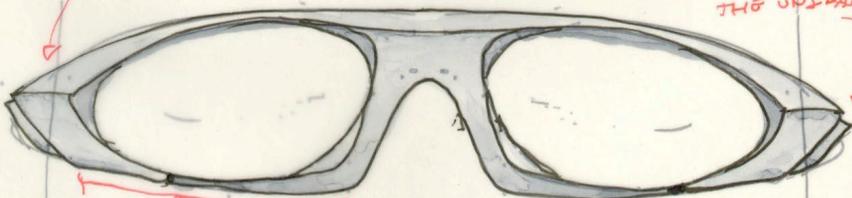
TEMPORARY DEVELOPMENT DEPENDANT ON FUTURE THINKING WITH CNC



NOTICE THE GAP

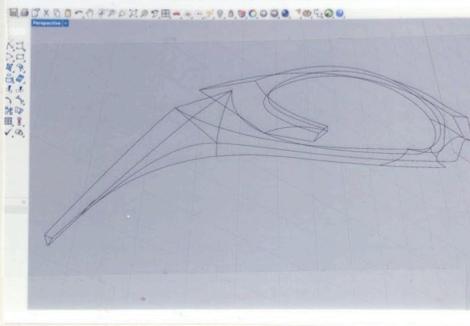
ASSEMBLY RIVETS EXCLUDED DUE TO POTENTIAL REPOSITIONING

THIS PART IS MACHINED FROM



THIS IS THE OUTER CURVE OF THE UNIBROW

UNIFORM LINE -> STAYING TRUE TO ORIGINAL SKETCHES



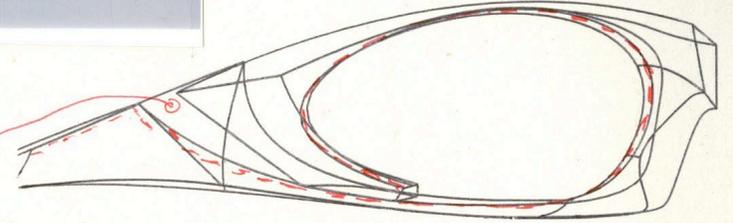
Rhino Modelling and printing.

The wireframes below show development of the forms illustrated on the previous page.

This model is the first 3d draft of the frame. It was sent to the 3D printer in durable resin.

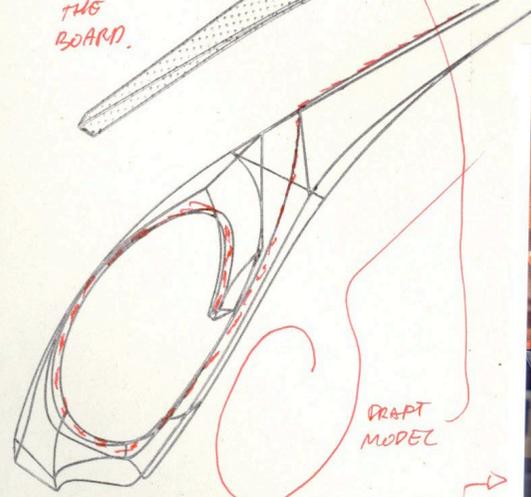
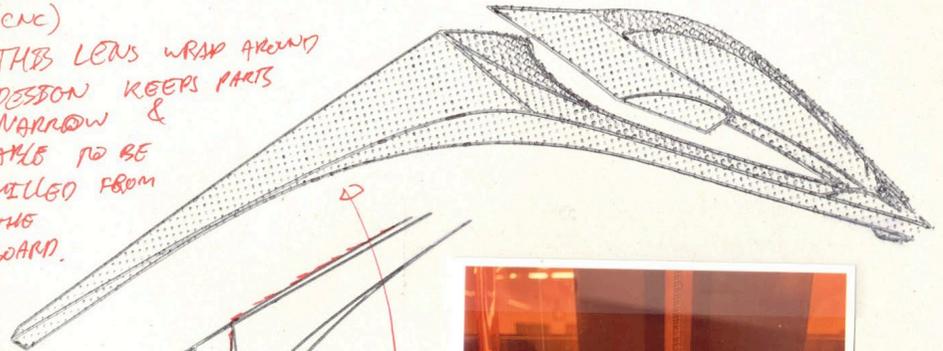
(FormLabs Form 3)

NOTICE THE GAP.



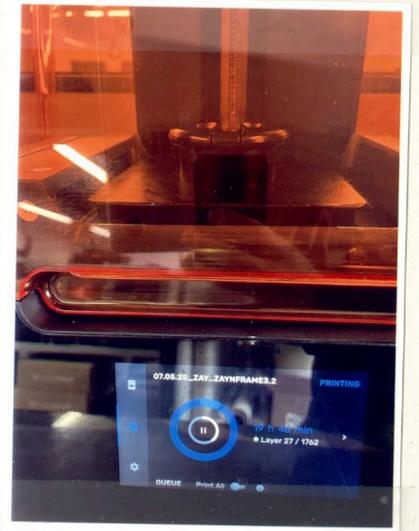
DUE TO CONSTRUCTION LIMITATIONS (CNC)

THIS LENS WRAP AROUND DESIGN KEEPS PARTS NARROW & HAS TO BE MILLED FROM THE BOARD.

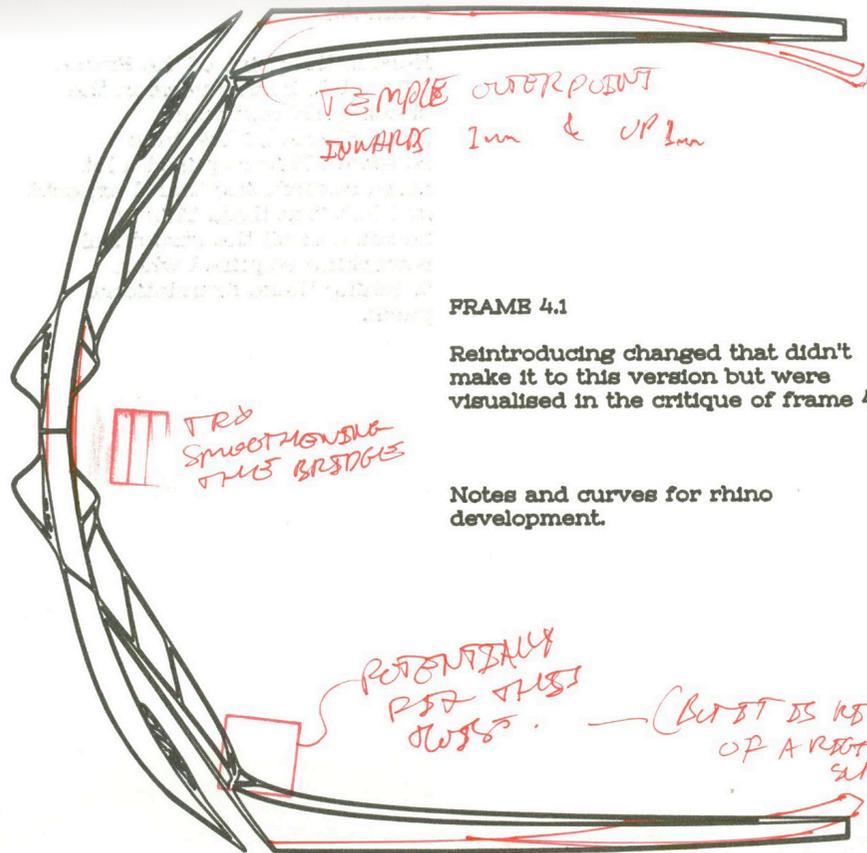


DRAFT MODEL

DRAFT MODEL SENT TO FORMLABS 3



Notice the unique lens rim design ?



TEMPLE OVERPOINT  
INWARDS 1mm & UP 2mm

FRAME 4.1

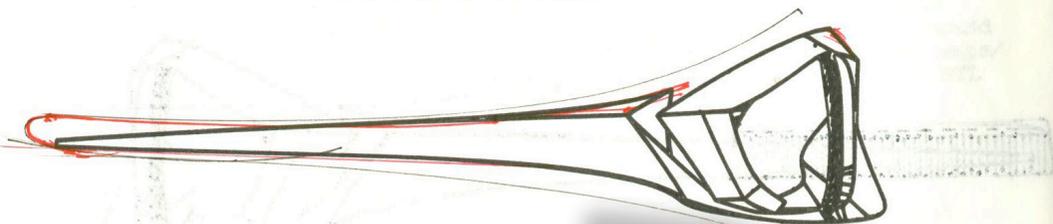
Reintroducing changed that didn't make it to this version but were visualised in the critique of frame 4.0.

Notes and curves for rhino development.

TRD  
SMOOTHENING  
THE BRIDGE

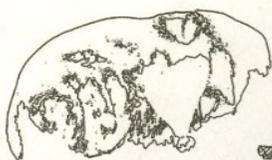
POTENTIALLY  
RED THIS  
LUGS

(BUT IS KIND  
OF A REDDITY  
SUPPORT)



USING PHOTO GAMMISTRY  
FOR PERIPHERAL  
LOW POLY MODEL

SCANNER



RHINO  
WIREFRAME

These are bespoke fit !

Moulded  
to fit  
my face

The  
face-cast  
was  
scanned



FRAMES  
FROM  
TAR



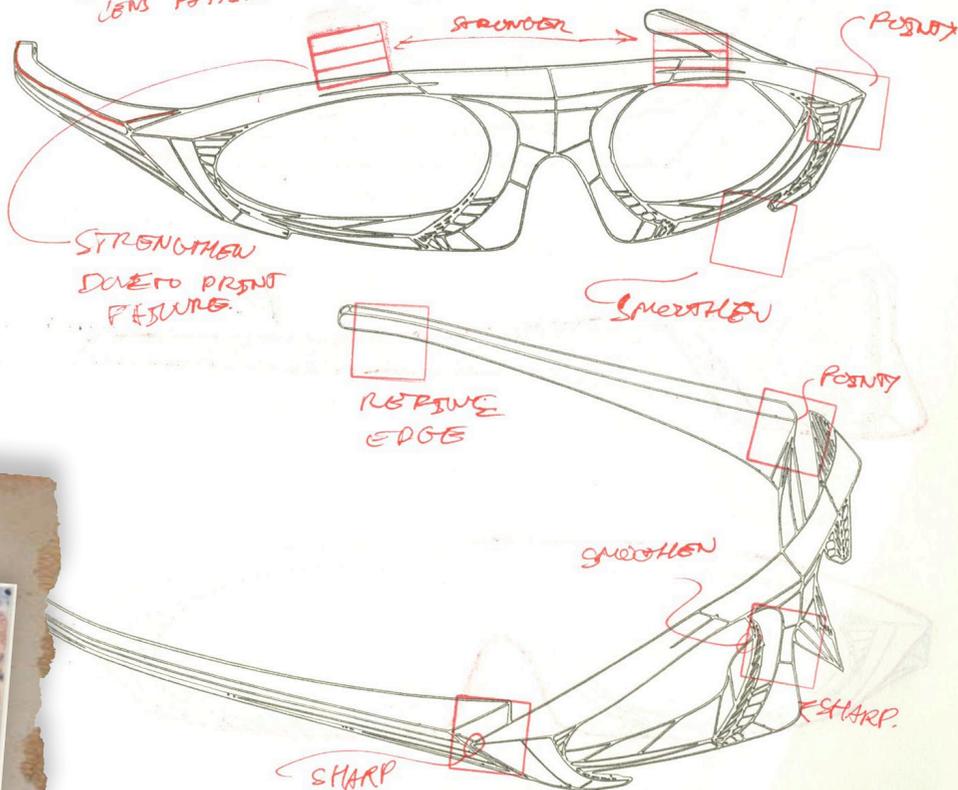
PRINT  
FAILURES  
→

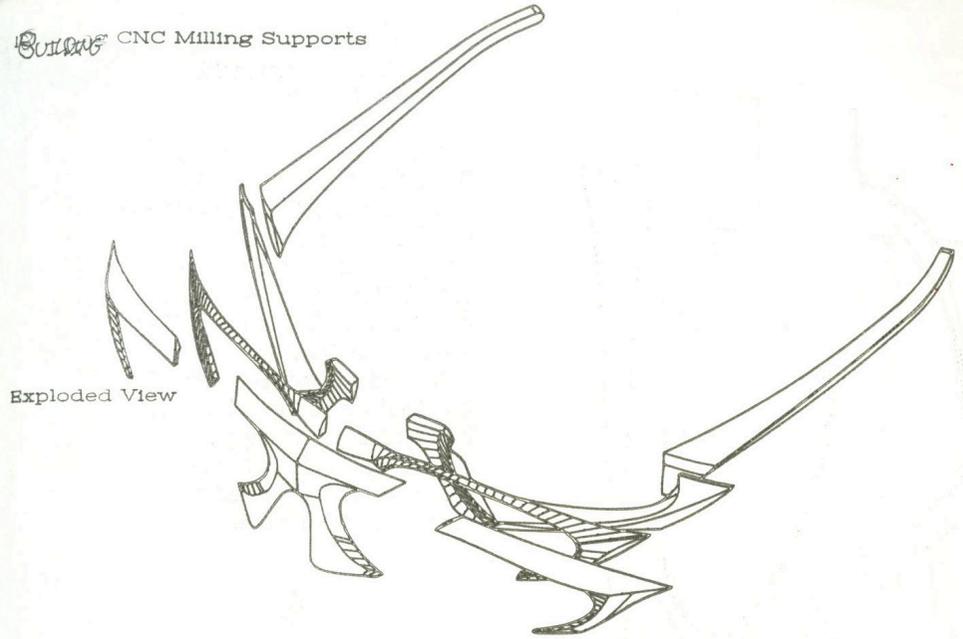
BROKEN  
OFF  
→

FIT  
&  
FORM  
✓

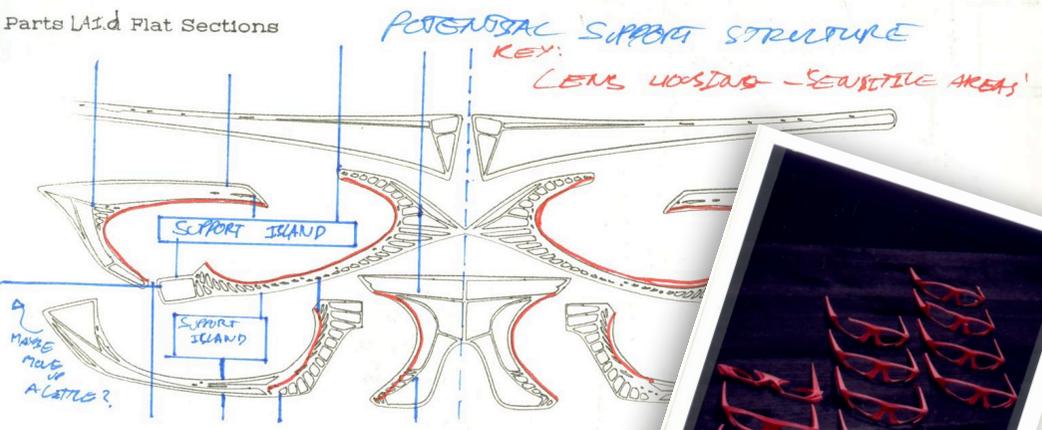
TEMPLE  
ARM  
✓

IN THIS VERSION I DEVELOPED THE TEMPLE END.  
SMOOTHENED ROSE BRIDGE CURVES, DEGREEMED NICE BRIDGE  
LENS FITTING & PULLED FORWARD/IN MONOLIDS.

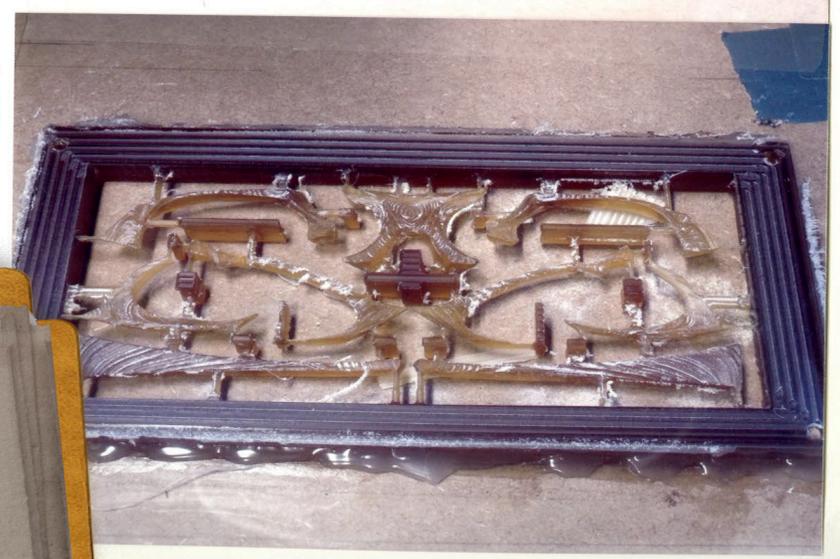
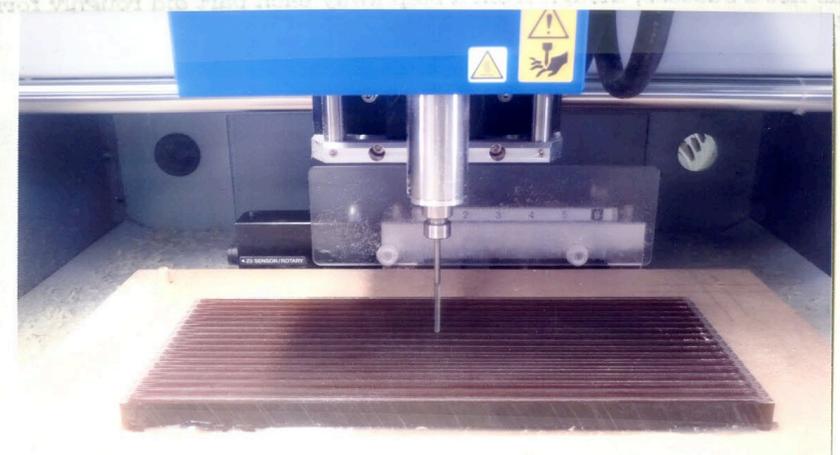




Parts Laid Flat Sections



3 Intervals of this milling process:



FREE  
KALE-  
WAY  
THROUGH

Up until now- prototypes were tested in 3d printed iterations- [11] in total (RED).  
After the form was finalised, it was time to split the model and get it on the CNC Mill- this took many attempts to get right !  
Skin-Safe Material:  
Ultem PEI

# FRAME SYSTEM

12

12A

11

11A

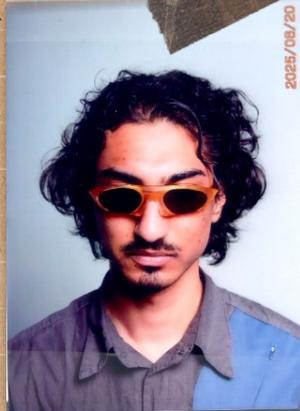
10

10A

FIGURES IV - IX HANDLE VIA CLEAR CONTROL SYSTEM ONLY

*After many hours of sanding && polishing --->  
The Frame wraps around the lens with an open underside.*

*I'm quite happy with how the shoot turned out- we used perspex shelving to get that almost digital cyber background and platform.*



*That's my Sigma Foveon Mirrorless to the left- great colour output !*

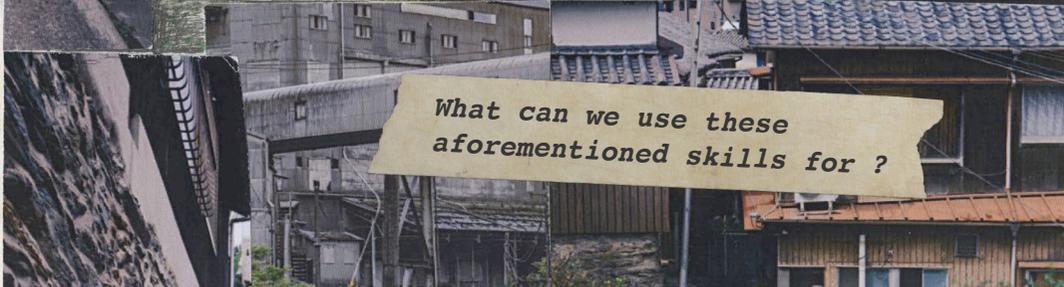


F1 → A.3





...Expanding from where we left off:

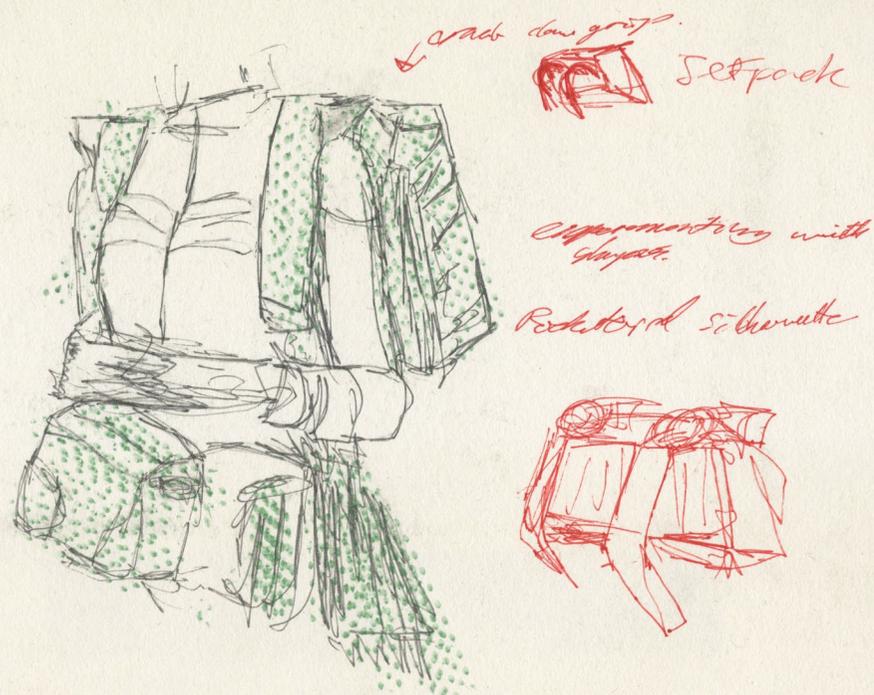


What can we use these aforementioned skills for ?

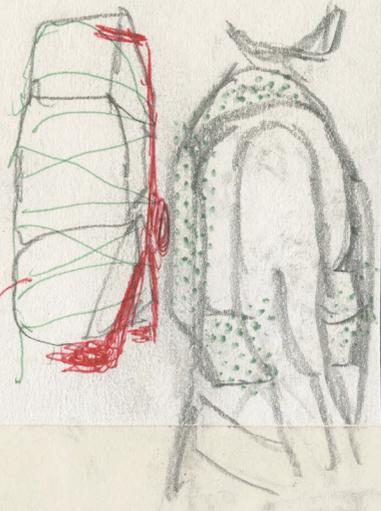
I believe that we can save the world via design-Design that uplifts the human spirit.



Let's build a machine



TWT @kobateck



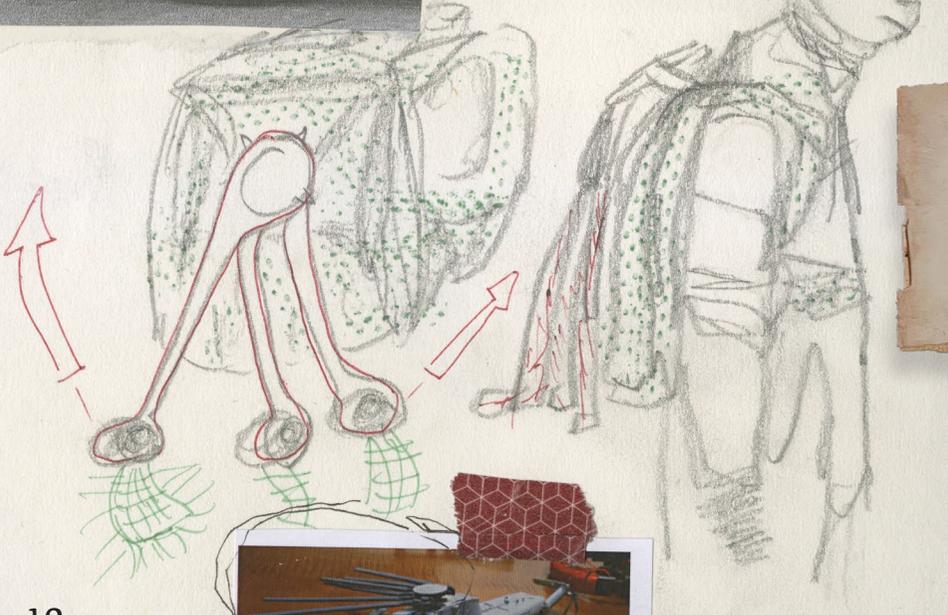
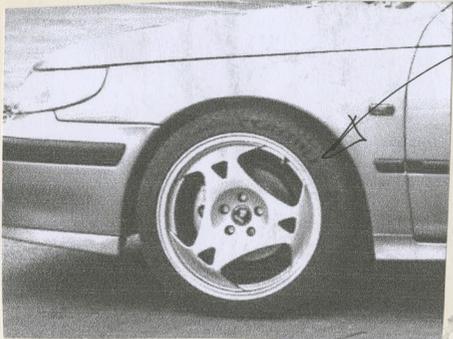
Quick  
Loose



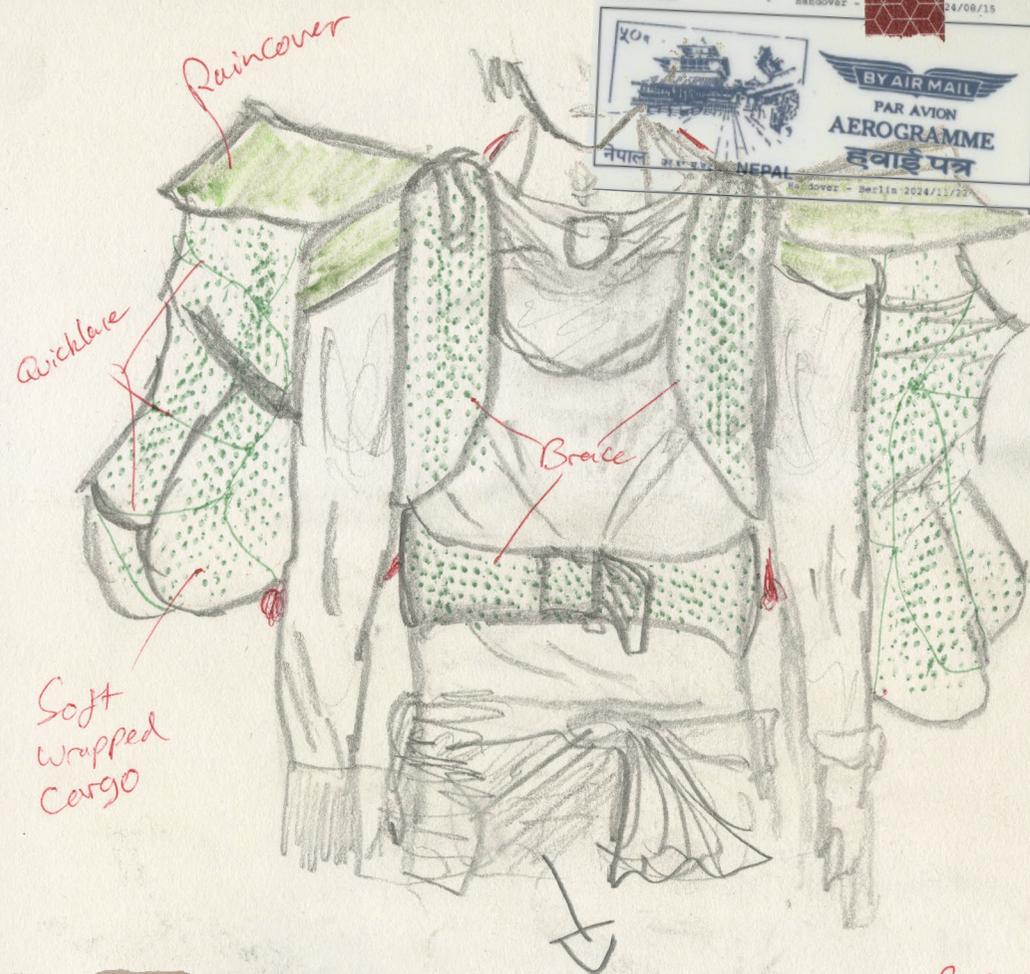
Saab AU26

Saab 9-5 pre 2003  
model.

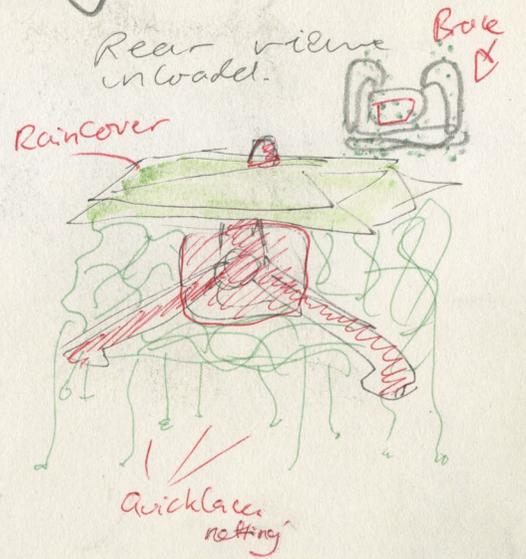
tri-spoke.

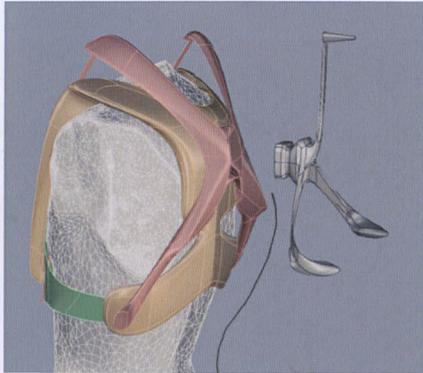
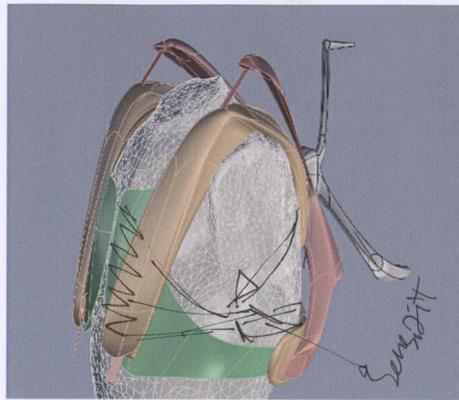
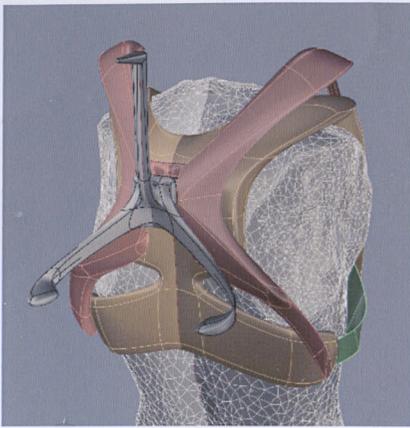


Preparedness for  
the inevitable

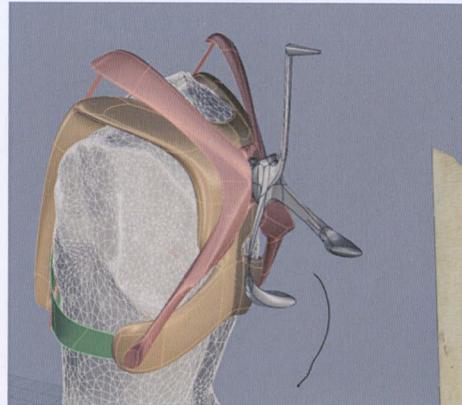


Soft  
wrapped  
Cargo





QUICK RELEASE

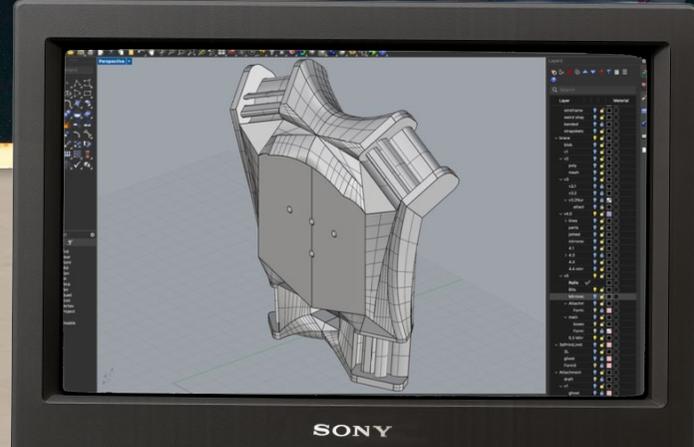


PARCEL CRIMPER



C2289

To prove this mechanism concept, I used two expanding laptop stands for the prototype





*The parcel shelf module expands to accomodate for oversized cargo*



**SOME FEATURES OF THE MODULAR CARRY SYSTEM:** <https://youtu.be/CzvVWhV8GkY>



→ 0A ■ → 1 ■ → 1A ■ → 2 ■ → 2A ■ → 3 ■ → 3A ■

GRADE BALANCED FILM 6710

GRADE BALANCED FILM 6710

GRADE BALANCED FILM 6710



→ 5 ■ → 5A ■ → 6 ■ → 6A ■ → 7 ■ → 7A ■ → 8 ■ → 8A ■

GRADE BALANCED FILM 6710

GRADE BALANCED FILM 6710

GRADE BALANCED FILM 6710



→ 10 ■ → 10A ■ → 11 ■ → 11A ■ → 12 ■ → 12A ■ → 13 ■ → 13A ■



Quick Release using Tek-Mount Quick Connect Mounting system Via Custom Pull Chord



1. Locating stabiliser straps and buckles
2. buckling in stabiliser strap to leverged hoisting point
3. hoisting & fastening the stabiliser system

[watch how the oversized load moves closer to the body]

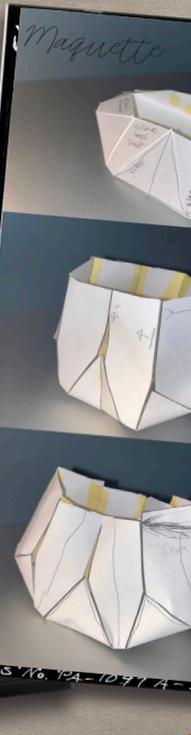
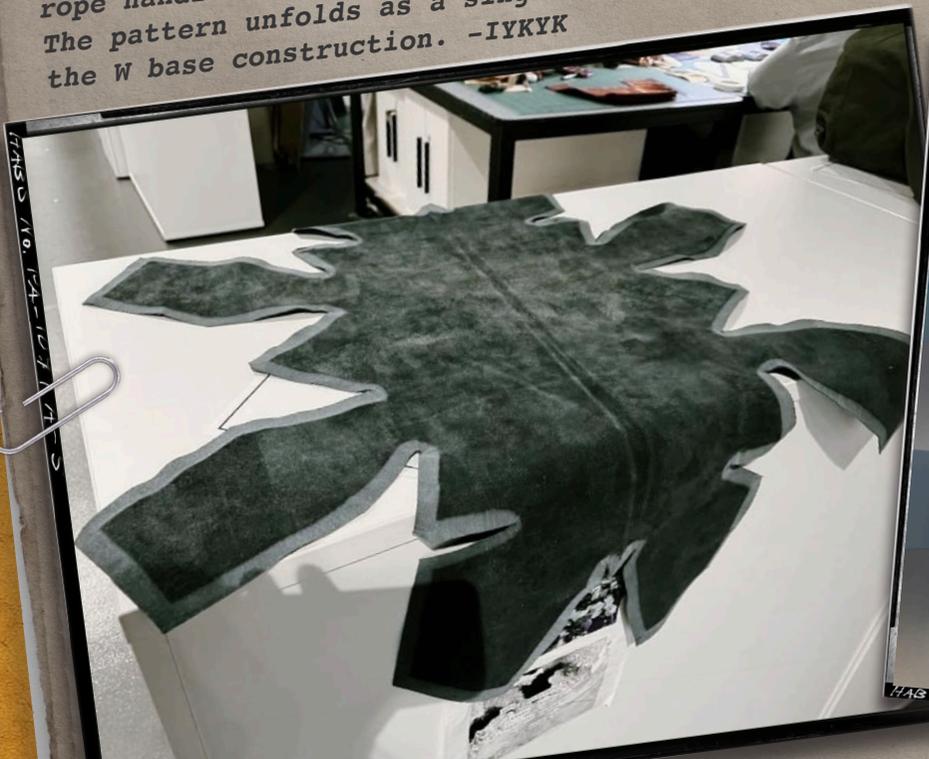
To complement hard surfaces:  
Proof of pattern making & sewn soft-goods



I call this one the:  
"Folding Prism Bag"

HABS No. PA-1097 A-5

You could consider the previous "bag"/carry system to be quite non-standard.  
I can make normal bags too- This one follows traditional British methods such as the W-base construction & rope handles with top-stitched boot seams on goat skin. The pattern unfolds as a single piece... A challenge given the W base construction. -IYKYK



HABS No. PA-1097 A-5

**PROOF OF GREASY HANDS !**

*I picked up this 2004 Saab 9-5 back in 2022 for £1300.  
A few months later, another! But this time broken && for £550.*

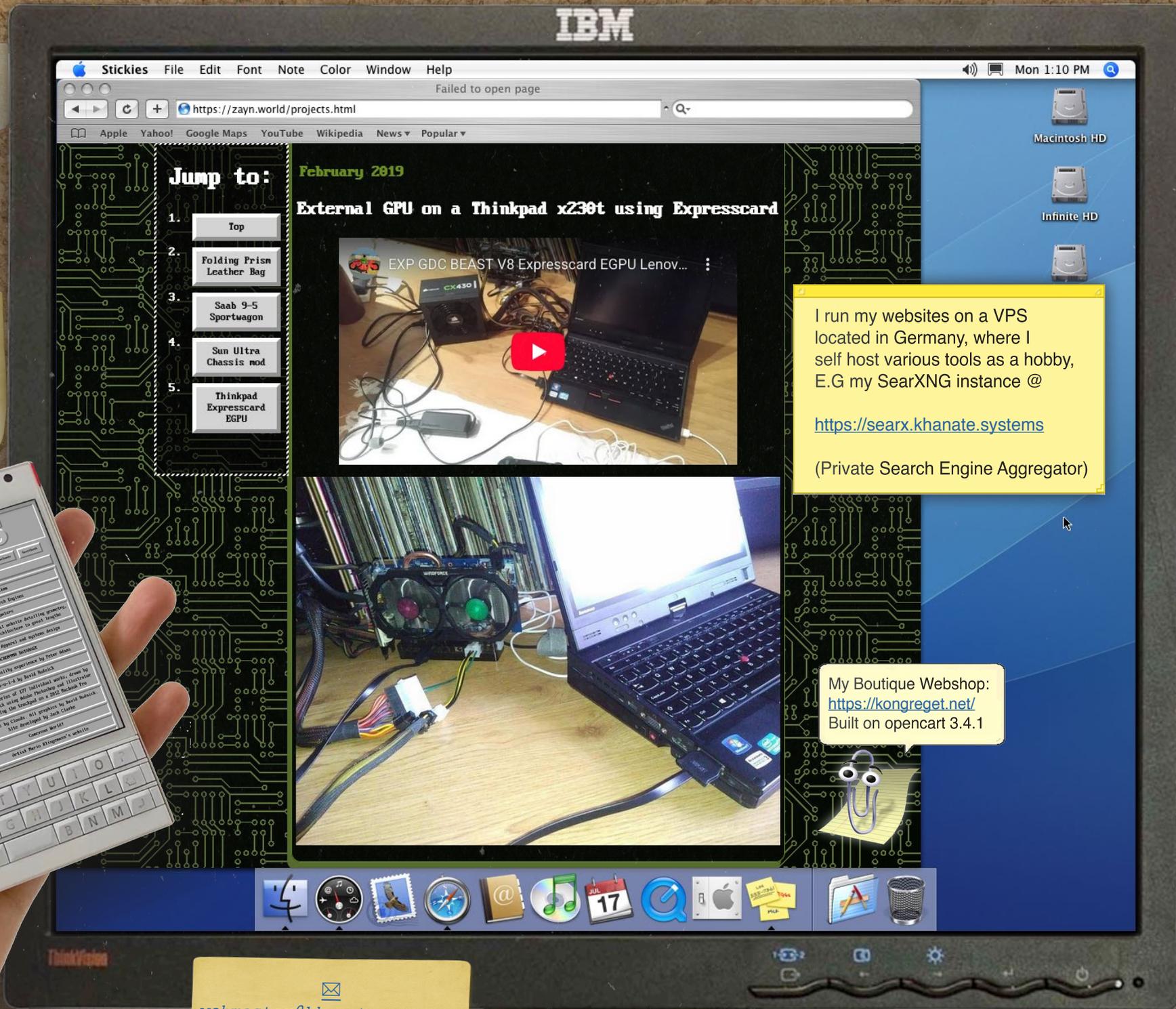
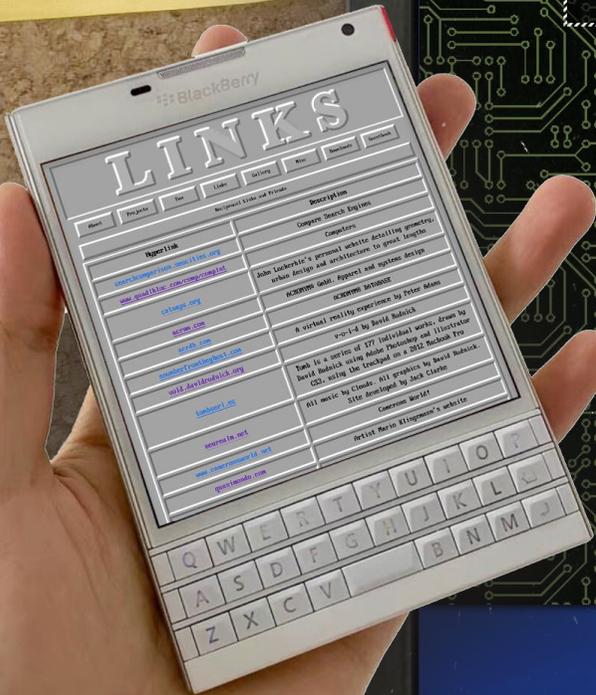


*Over the years I have been chipping away at this build- Thanks to YouTube!  
The vision will soon be actualised.*

&& Finally- Come see how I curate my digital real estate

One of my favourite pages:

<https://zayn.world/links>



I run my websites on a VPS located in Germany, where I self host various tools as a hobby, E.G my SearXNG instance @ <https://searx.khanate.systems> (Private Search Engine Aggregator)

My Boutique Webshop: <https://kongreget.net/> Built on opencart 3.4.1

[webmaster@khanate.systems](mailto:webmaster@khanate.systems)