



PRODUCT DESIGN  
**PORTFOLIO**

2026

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# PROJECTS

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AXIS FOOD CONTAINERS

# TALON RANGE



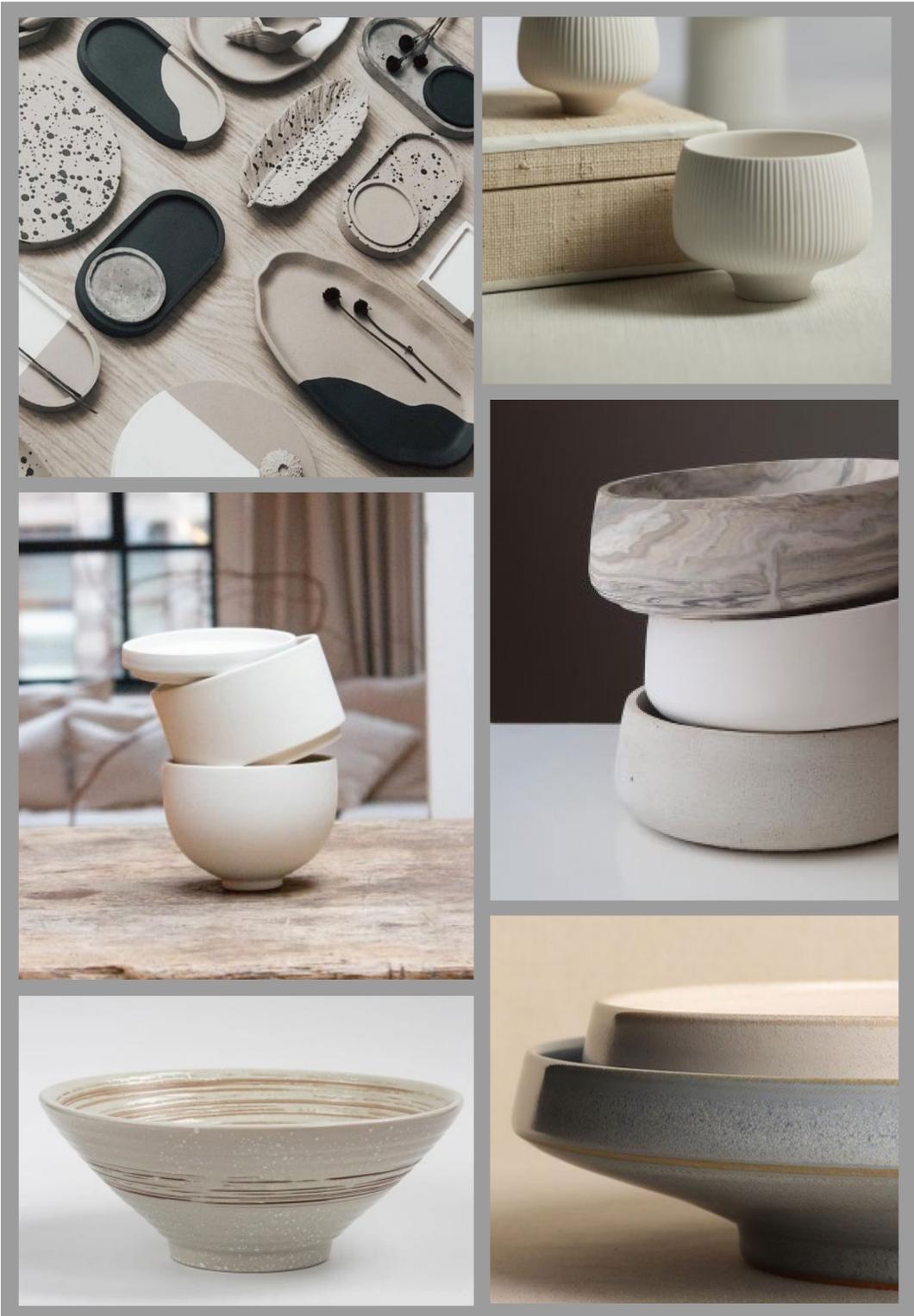
The Talon range, was inspired by the modern ribbed textures and clean forms of modern Japanese ceramics, it has evolved into a diverse collection.

This includes a variety of products, from plates and bowls, cups and serving pieces, and comes in muted, modern, colours, combining functional design with elegant aesthetics.

# FEATURES



# FORM



# MOOD BOARD

The Talon Range began with the design of a handleless cup, inspired by modern ceramic textures and Japanese tableware. Designing the cups with grooves and cut-outs not only added visual interest but also improved the grip for the user. As a team, we agreed that incorporating texture and using a two-tone finish would be the best direction moving forward.

## SKETCHES

By removing the handle, the design eliminated the seam line typically created in melamine manufacturing, enabling the use of a two-part compression mould instead of a three-part one. This also allowed exploration of different groove types and forms during the sketching phase.

Through discussions with manufacturing partners, I identified straight grooves as the most efficient and reliable solution, reducing tooling complexity and production risk. This informed the decision to adopt them as the defining detail. I then expanded the collection to include cake stands, using the groove as a unifying design language across all forms, and developed early concepts for a modern wire tea stand aligned with the



**TALON DINNERWARE, CUPS &  
AFTERNOON TEA STAND VISUALS**





## TALON CAKE STANDS VISUALS

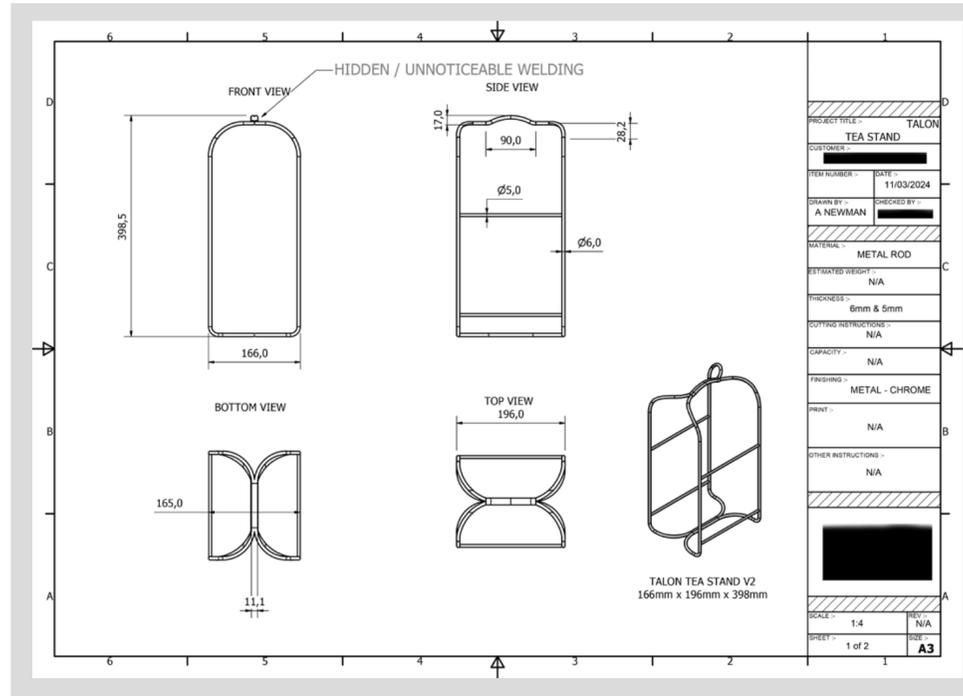
I expanded the collection with a multifunctional cake stand featuring a detachable platter and pedestal secured with a twist compression lock for easy assembly and compact storage. The dome was redesigned with a modern silhouette to differentiate from existing curved forms and allow efficient stacking of multiple units. The handle incorporates the same compression lock, enabling the dome to function interchangeably as a standalone jar. Melamine was specified for durability in the base components, while SAN was selected for the dome for its clarity and impact resistance.



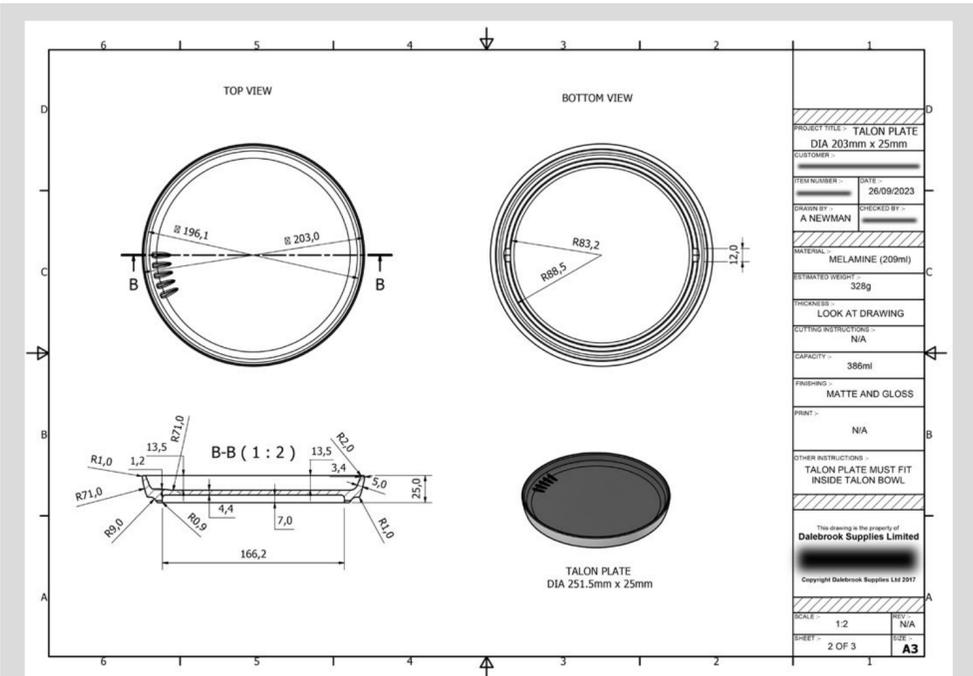
# TECHINICAL DRAWINGS

Developed detailed technical drawings for manufacturing. A selection of examples.

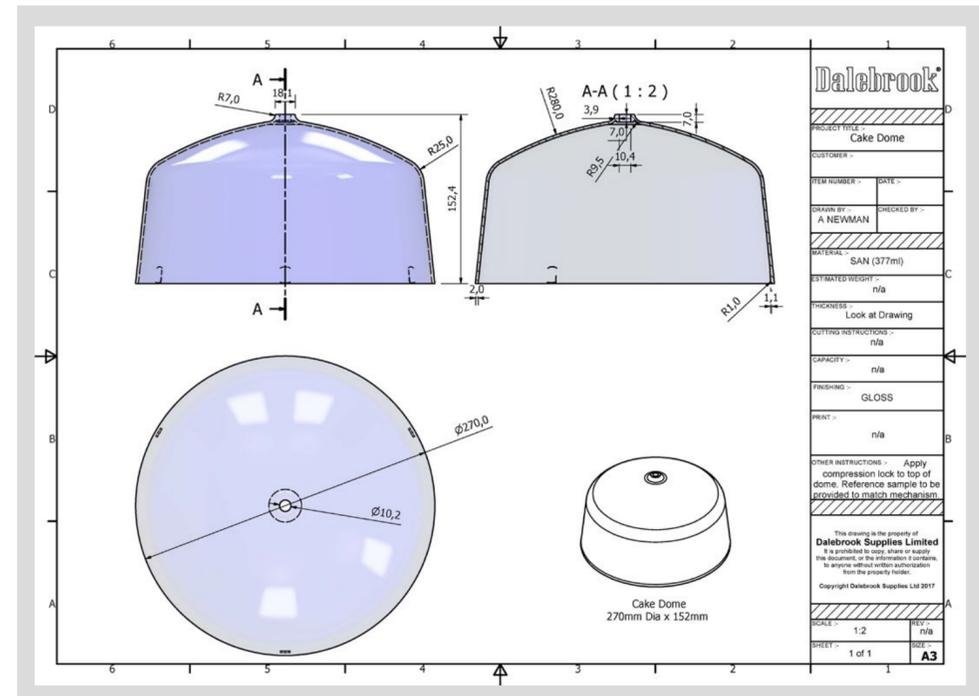
### TALON AFTERNOON TEA STAND



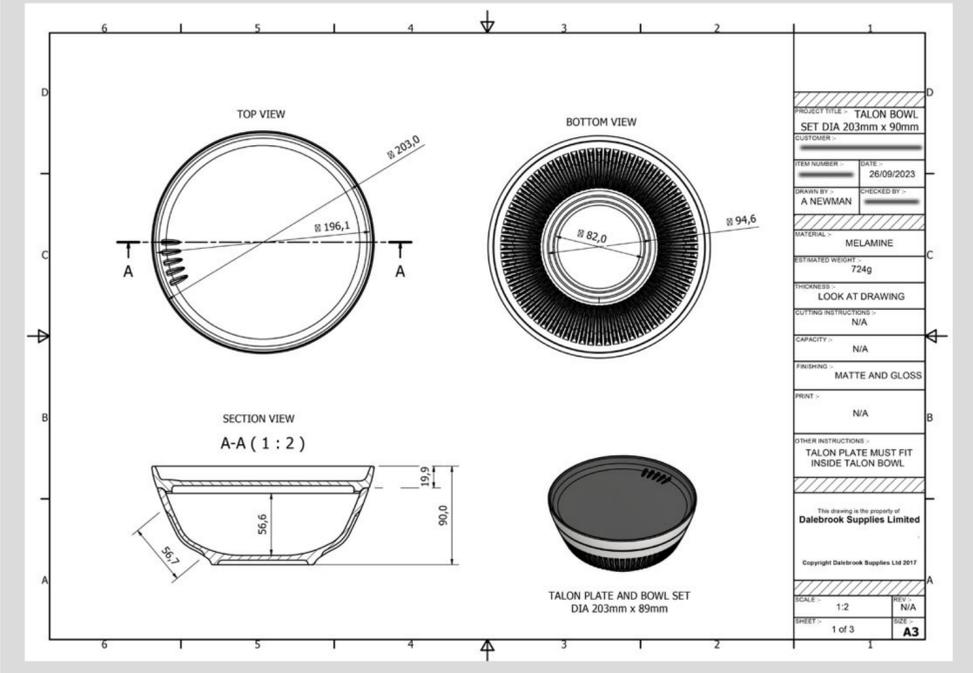
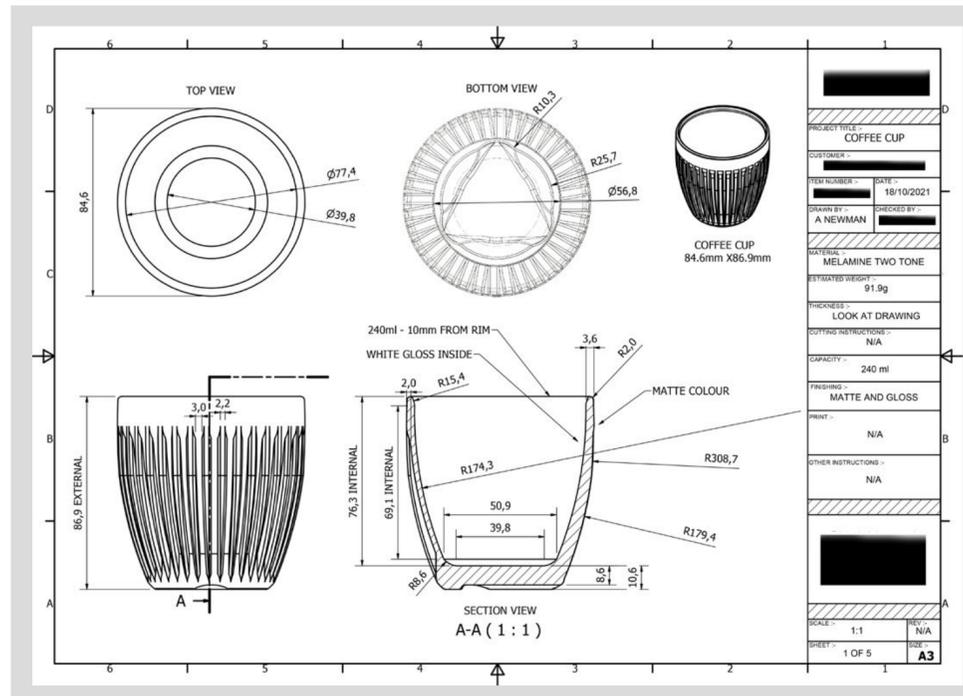
### TALON PLATE AND BOWL



### CAKE DOME



### TALON CUP



## CONCEPTS & TESTING

We used 3D printing to refine concepts, such as determining the optimal starting point for ribbing and testing a clasp mechanism for the metal tea stand. The clasp idea would have allowed the stands to nest inside each other for storage, but we ultimately decided to keep it welded together for a cleaner design. We also tested scales and capacities to ensure we were satisfied with the overall sizes before moving to manufacturing.





## PACKAGING AND LOGO

Develop packaging and logo concepts for six-piece sets, featuring a label that showcases all the colours while using only black printing for environmental sustainability.



## FINAL PRODUCT

The project grew into a complete dining experience with plates, cups, and a modern afternoon tea stand. Each piece balances function and elegance, showing how thoughtful manufacturing choices can drive both aesthetic and practical design.





## SPOTTED ON SOCIALS

The Berkeley, one of London's most prestigious hotels, uses our Talon range for poolside service, with steel-blue plates and bowls adding a refined, contemporary touch. Prime by Pasture also showcases Talon, presenting their signature dishes in style and highlighting how the tableware elevates both food and the dining experience.



# MANHATTAN BUFFET DISPLAY



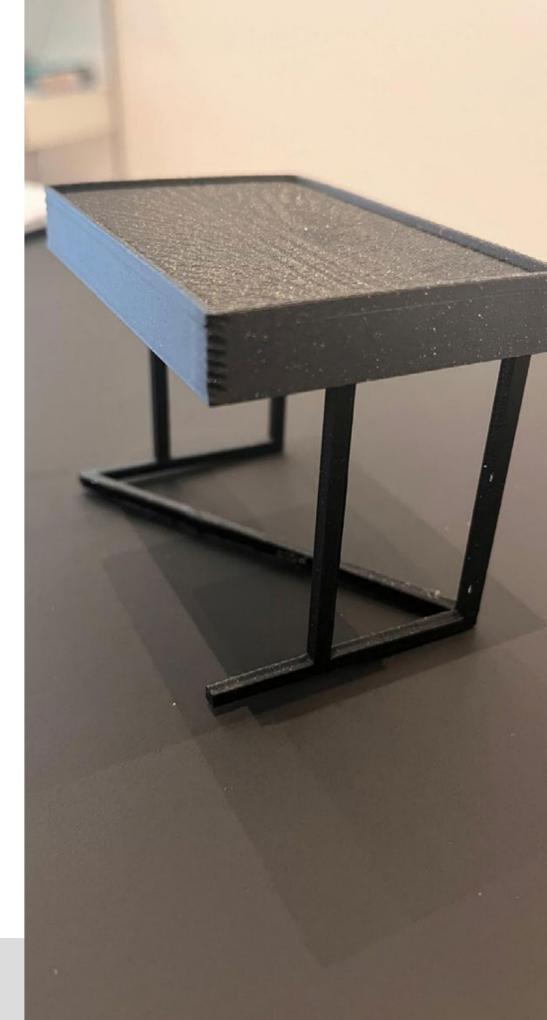
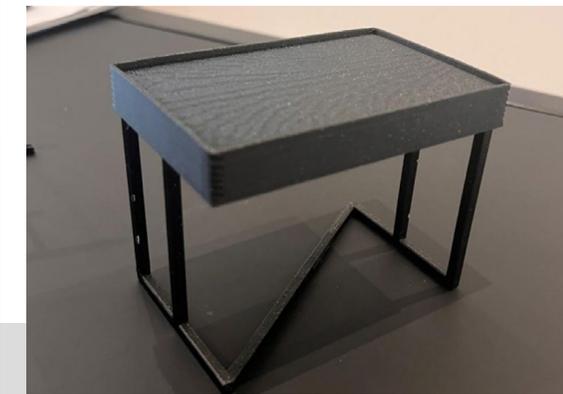
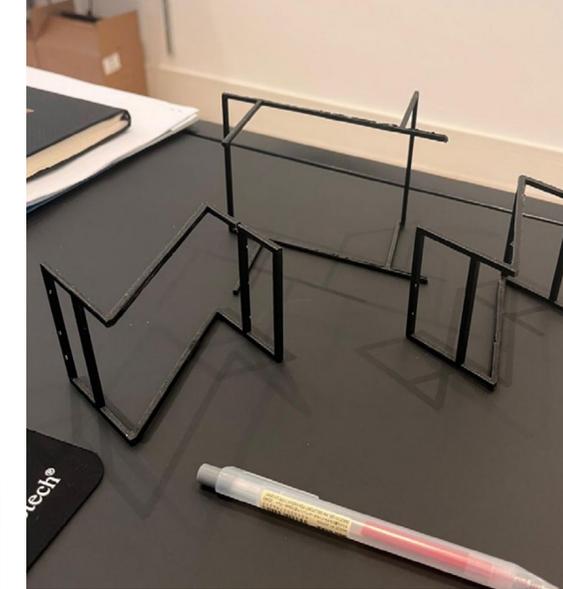
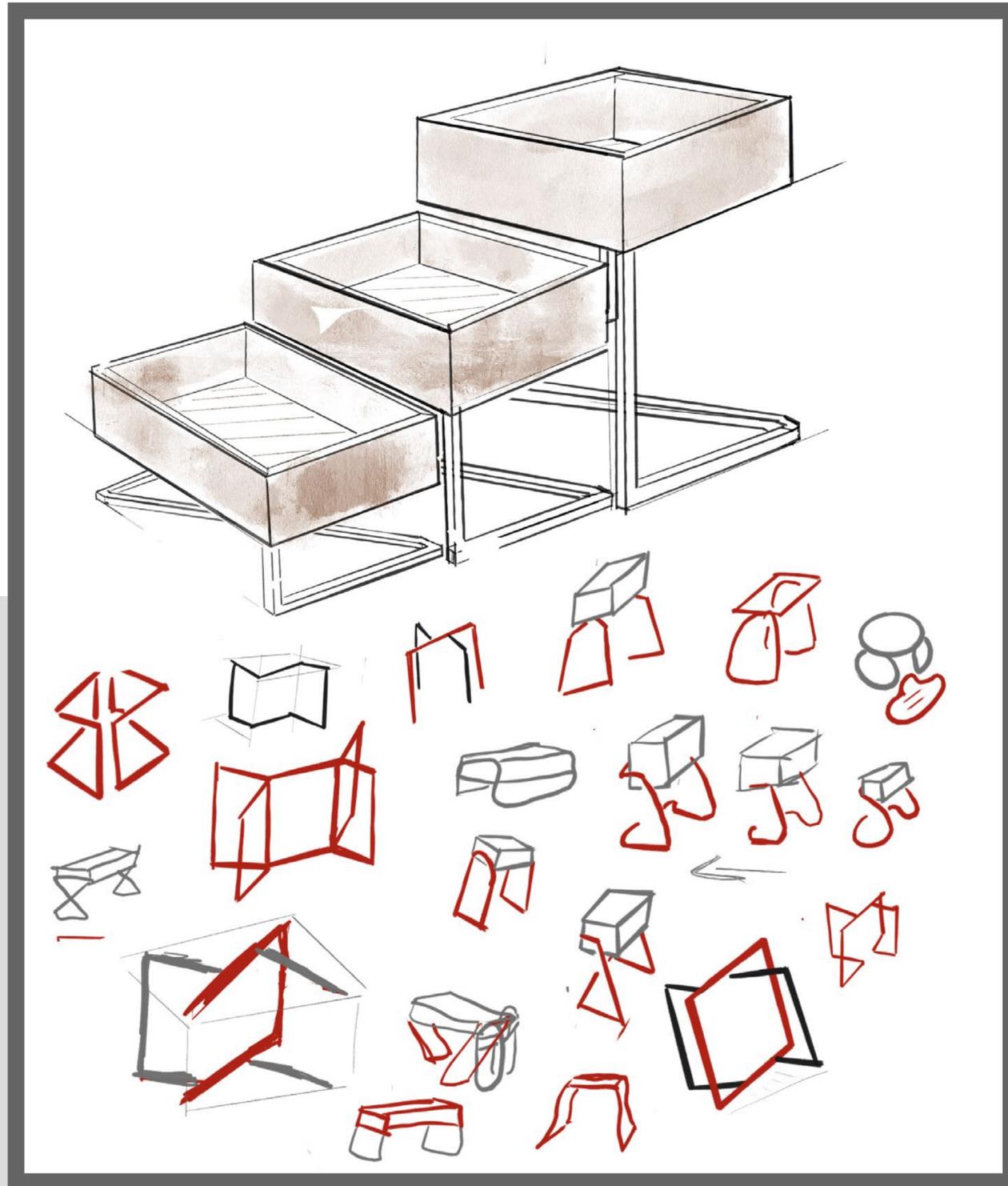
The Manhattan Buffet display was designed to meet the demands of flexible food presentation in hospitality environments.

The project explores how modularity and industrial style can merge to create a practical yet visually striking solution..

## MOOD BOARD

During the research phase, I analysed how existing buffet displays were arranged and how the components interacted within the space. A key observation was how the stands nested into one another like steps, creating a staggered look that introduced depth and visual hierarchy to the display. I also drew inspiration from geometric metal table legs to inform the structural language of the design.





## MOOD BOARD

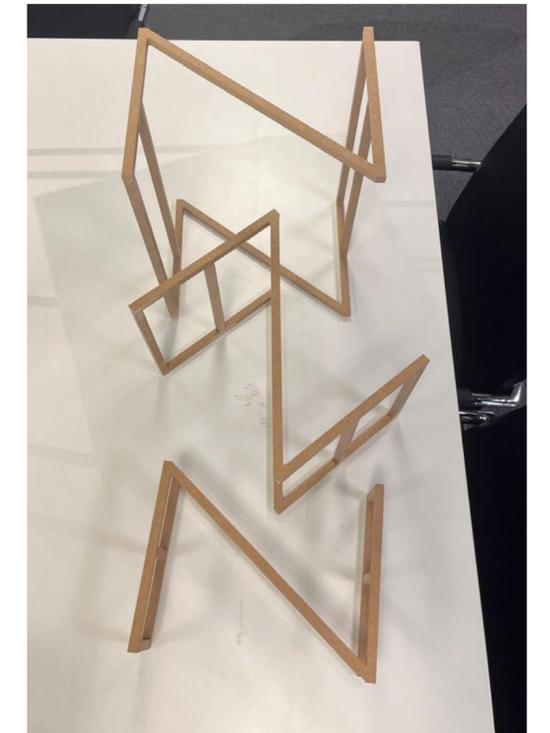
I initially explored a range of forms using metal rods to create softer, more organic silhouettes. As the concept evolved, the introduction of square metal tubing was suggested, which shifted my design thought process toward a more industrial and structured aesthetic. This change brought greater visual strength and presence, resulting in a bold, architectural outcome.



## TESTING

At its core, the system features a stand made from square metal tubing, giving it a strong, industrial aesthetic. The stand nests diagonally in either direction when flipped, making it versatile and efficient for both storage and display. Designed to work within a gastronorm footprint, it fits seamlessly with poly-wicker baskets and melamine platters.

To test these ideas, we had our sister company create an MDF prototype for the stands and HPL boxes before moving into full-scale manufacturing.





## CMF VISUALS

The primary option features a concrete-effect HPL, selected for its neutral grey tone and architectural character. It brings a contemporary edge while remaining versatile across hospitality settings.

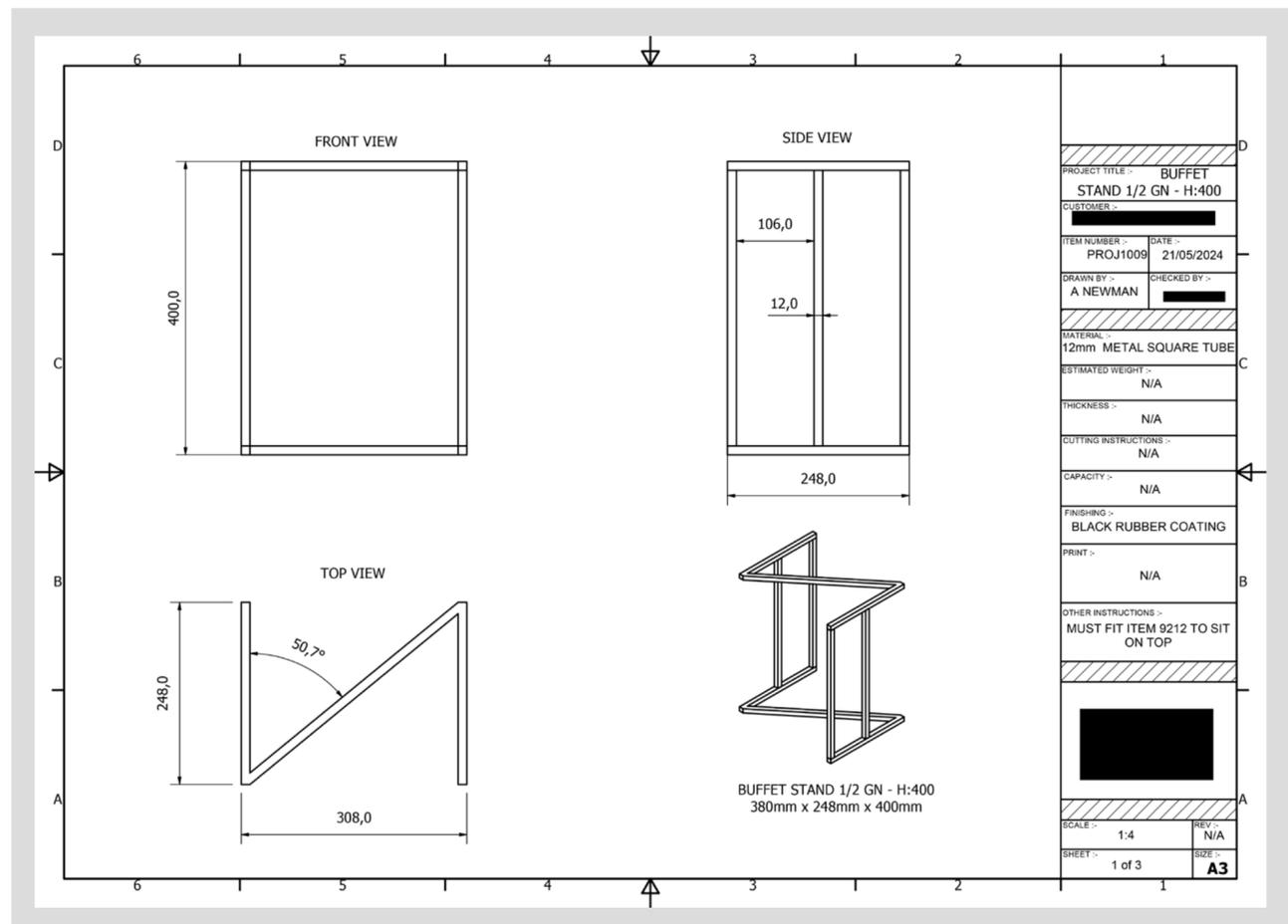
As a warmer alternative, I introduced a bamboo finish to add natural texture and soften the overall aesthetic. Both directions align with the existing Elements platters, which incorporate wood and concrete finishes, ensuring cohesion across the wider collection.



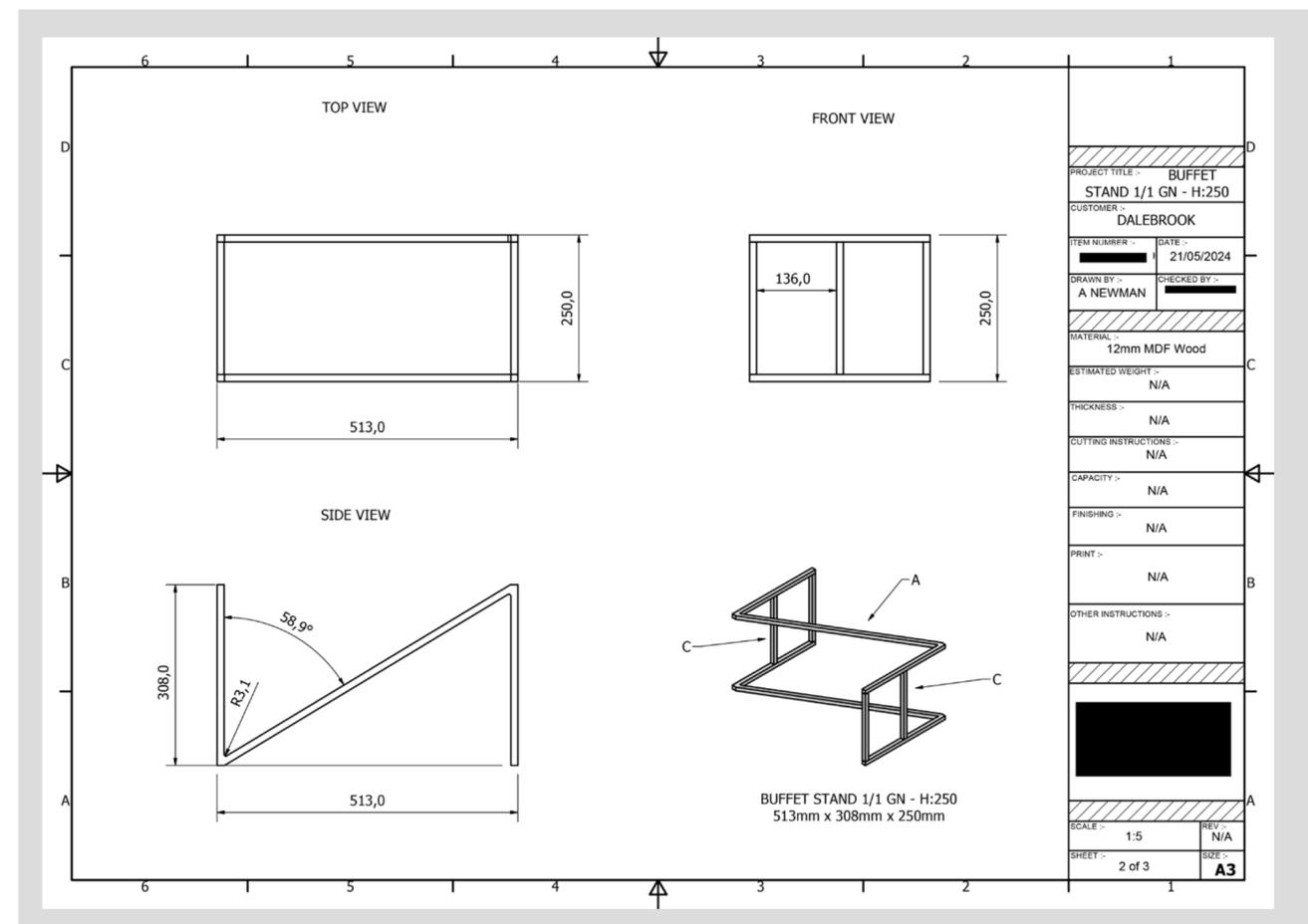
# TECHINCAL DRAWINGS

Here are selected technical drawings from the project, showing the metal stands developed in 1/2 and 1/1 Gastronorm (GN) sizes.

MANHATTAN STAND 1/2 GN



MANHATTAN STAND 1/1 GN





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## FINAL PRODUCT

In addition, I developed the inclusion of poly-wicker baskets and bamboo flat-packed boxes, as we decided the HPL was not a long-term solution because the glue would not hold over time. The bamboo boxes, screwed together for durability and the poly-wicker baskets provide another look to elevate the stands.

The modular stands function seamlessly across varying counter sizes, delivering a solution that is both practical and visually refined. The bamboo boxes are available in black and natural finishes, while the stands are offered in black and gold, allowing the system to suit both modern, minimal interiors and warmer, more traditional hospitality environments.



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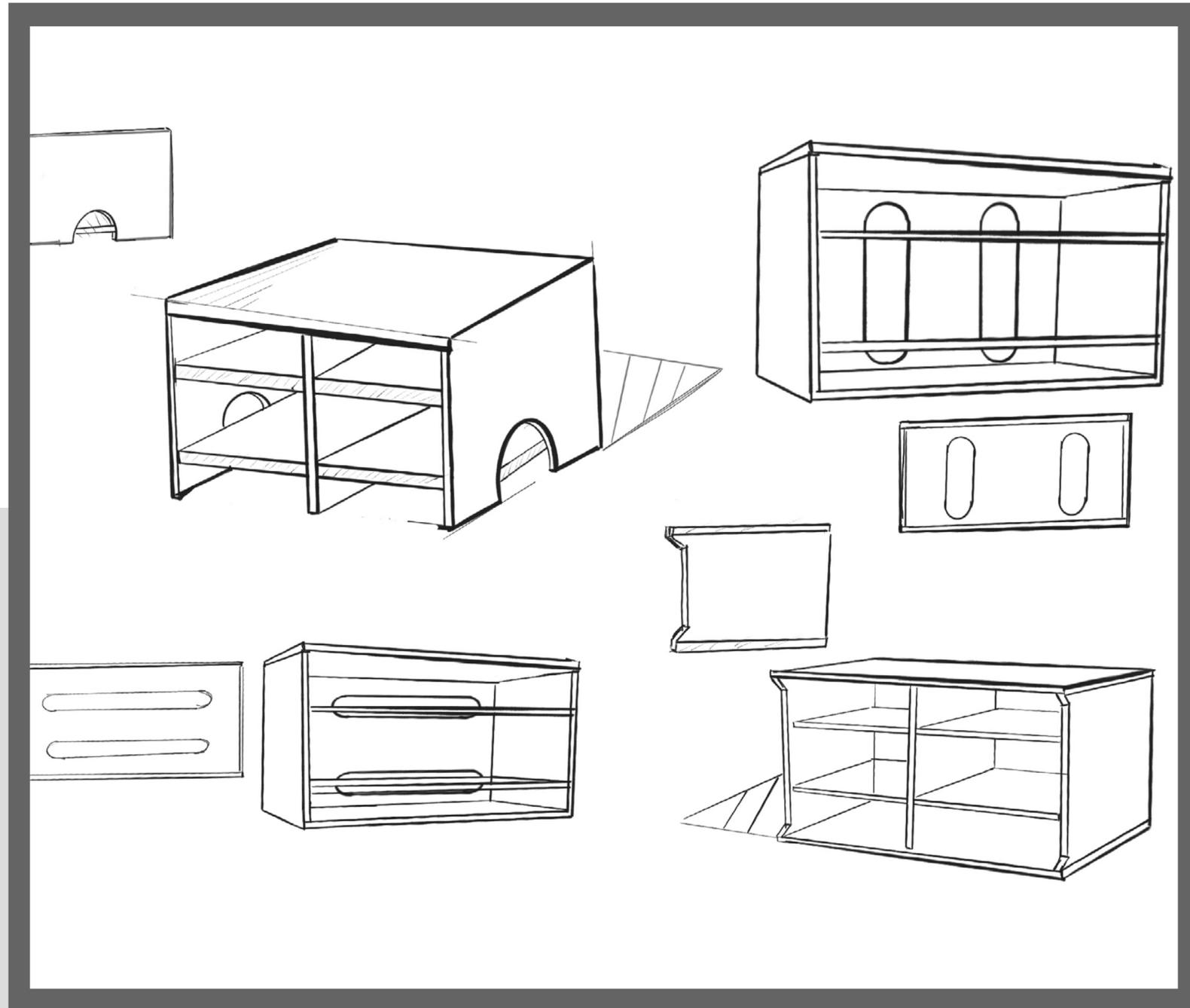


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# SHIFT STORAGE UNIT

The Shift Storage Unit was developed to address the challenge of creating storage that adapts to the evolving needs of our office. Designed as a modular system, it was initially created to house my 3D printer. It also accommodates other office equipment such as an ink printer, tools, and accessories, combining functionality with adaptability to keep the workspace organised and efficient.





## MOOD BOARD

During my research on modern wooden units, I faced fabrication constraints at the sister company. To work within their capabilities, I developed a design that can be CNC-cut, spray-painted, and assembled with bolts, cam screws, and lock nuts. While I initially aimed for a curved structure, the inability to bend wood led to a flat, modular solution that still maintains a contemporary aesthetic.



## CMF VISUALS

The long cable holes were designed to be a defining feature more than function. But their increased width allows a standard plug to pass through directly, eliminating the need for disassembly. The vertical orientation improves accessibility and makes it easier for users to feed and manage cables efficiently.

The clean white finish maintains a minimal, contemporary appearance, complemented by a subtle natural wood accent shelves to introduce warmth and align with modern office aesthetics.





## FINAL PRODUCT

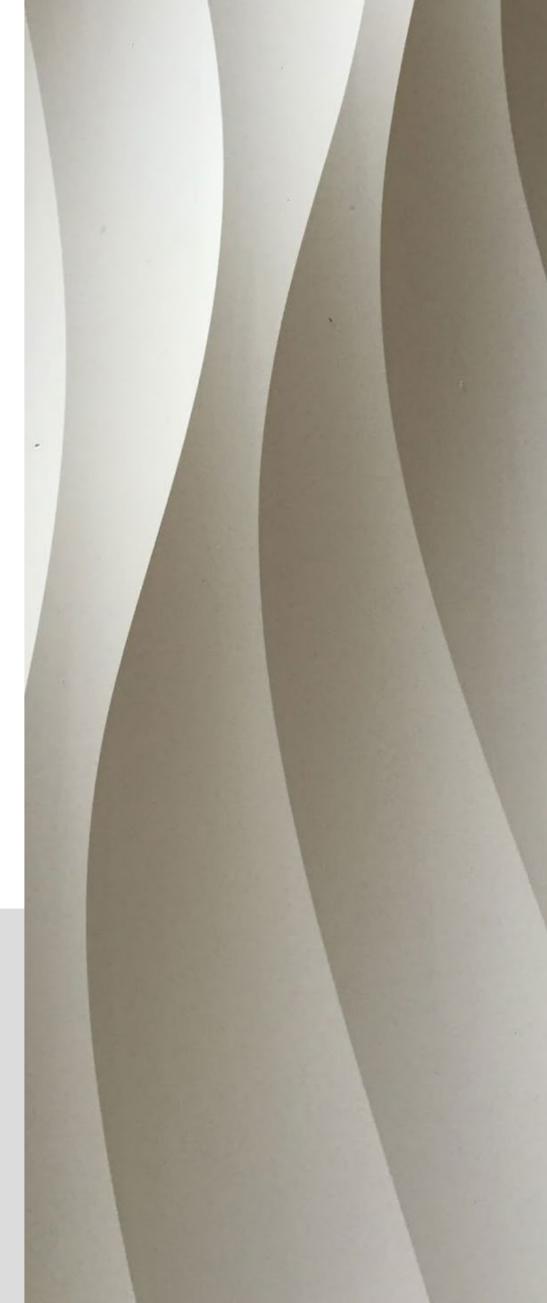
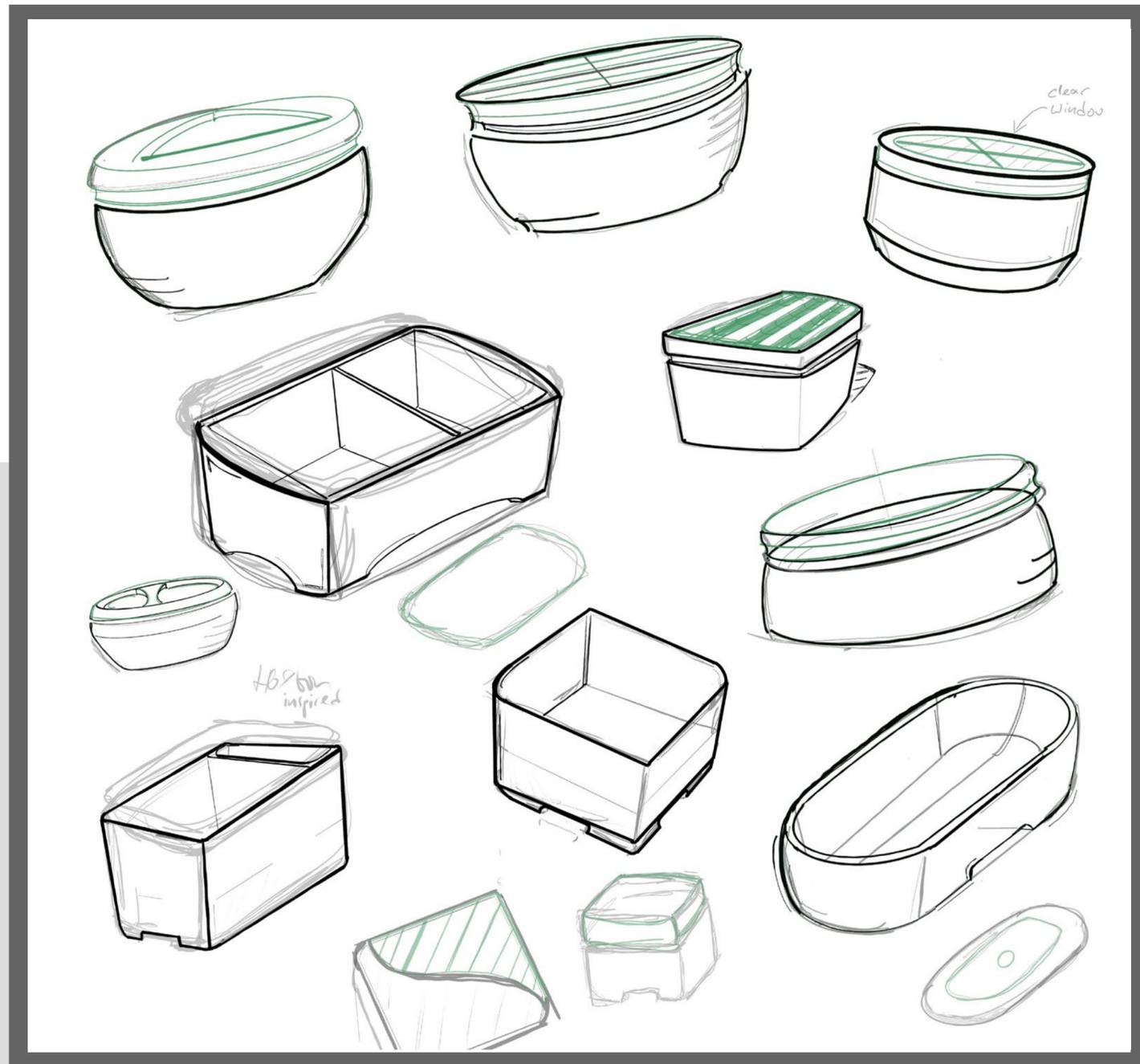
The clean, contemporary design of Shift makes it suitable for a variety of environments, from home to the workplace. By balancing adaptability with simplicity, the unit demonstrates how thoughtful product design can deliver long-lasting value. Its modern, elongated oval openings allow wired devices to be plugged in while keeping cables neatly concealed, maintaining a clutter-free aesthetic. Additionally, the adjustable internal spacing gives users the flexibility to store items of varying sizes, from small accessories to larger objects, according to their needs.

# AXIS FOOD CONTAINERS



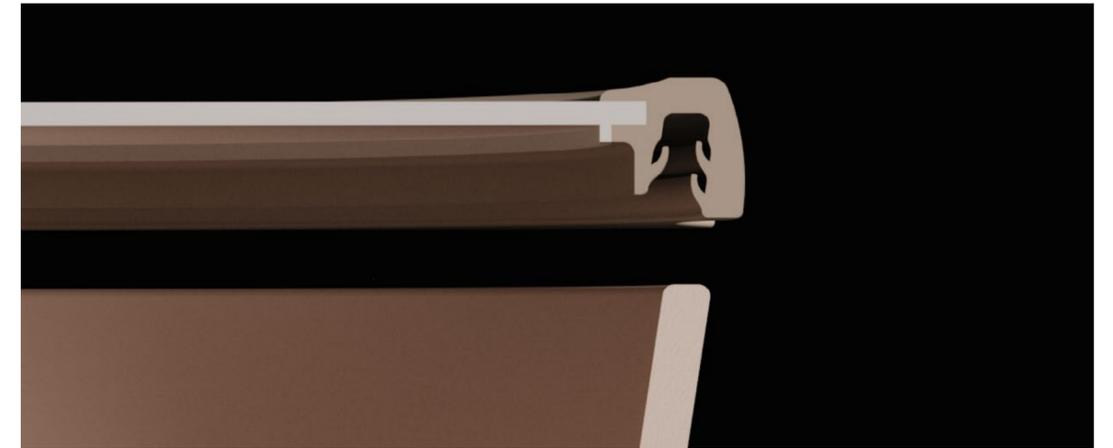
The Axis food container range is inspired by sleek, twisted detailing that creates a sense of rotation within the form. A refined take on reusability, expressed through movement and sculpted geometry.

This includes a dish, bowl and 2 pots. Made from R-pet for the bowls, TPU lid with Poly Propylene window. For users to be able to store food without the stress of it leaking and be able to see inside of the container with the window.



## MOOD BOARD

I drew inspiration from curved, sculpted ridges to create a more elegant and understated products. The idea of twisting grooves wrapping around the form introduced subtle movement and refinement to the design.

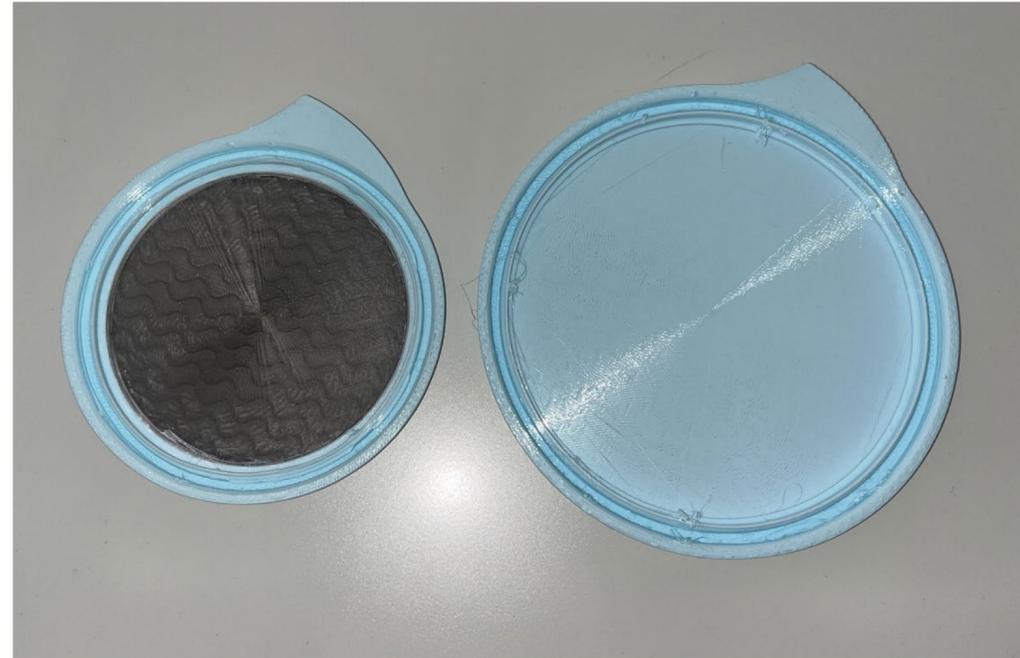


## VISUAL

I started by developing the bowl's form, then explored the surface textures in KeyShot, using visual textures to generate concepts before committing to CAD. Once I established the twisted cut out texture, I recreated it in Autodesk Inventor, ensuring it was fully manufacturable while maintaining a smooth internal surface.

A key technical challenge was preserving a consistent 4mm wall thickness while keeping the interior completely smooth, as the texture is removed from the external material. Applying the texture to the oval dish proved complex due to the shape, but through trial and error in modelling and surface refinement, I achieved a seamless result.

I also created the TPU lid connection to create a secure, leakproof fit without adding a traditional external lip. Inspired by an existing Tupperware solution, I refined the mechanism to maintain a clean, modern bowl silhouette. The final design uses three internal radial fins that compress and seal against the bowl wall when engaged, delivering a leakproof seal without compromising form.



## 3D PRINTING

I produced prototypes using PET-G and TPU filament to create 3D prints that closely represented the final product. I initially printed the large bowl lid entirely in TPU to test the leakproof performance and evaluate how the three internal fins engaged with the bowl. This proved highly effective.

I then developed a more accurate version for the smaller pot and bonded the PET-G window component using superglue. This version also performed successfully, achieving a leakproof seal.



## FINAL VERSION & COLOUR VARIATION

I explored a palette of natural earth tones, reflecting current trends in modern café interiors such as Japandi-inspired spaces. The collection features light cream, soft forest green, and warm hazel brown. This colour scheme is aimed at commercial customers, offering a versatile and contemporary aesthetic suited to fast-paced, on-the-go people.

For in-house catering, the cream base can remain consistent while the lid bands can be a customised colour to serve a more functional purpose. Using clear colour coding, such as red, blue, and green, allows dietary requirements to be identified



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**THANK YOU FOR TAKING THE TIME TO  
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