



POWELL &
BONNELL

MESA SWIVEL STOOL

Designed By: Jake Oliveira

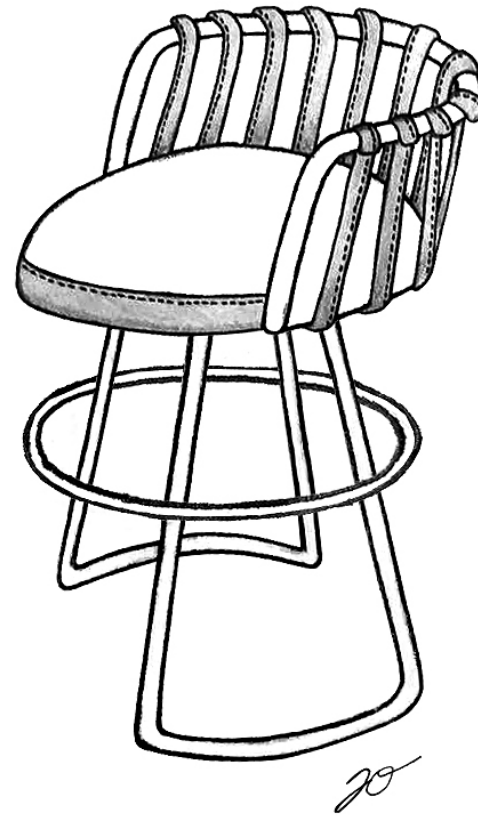
CASE STUDY

MESA SWIVEL STOOL

CONCEPT DEVELOPMENT



INSPIRATION



SKETCH



INITIAL RENDER

*“Following a roadtrip in New Mexico,
I was fascinated by the stunning vertical
structure of the flat-top mesas.*

*This visual cue was transposed into an
impeccably detailed belting leather back.”*

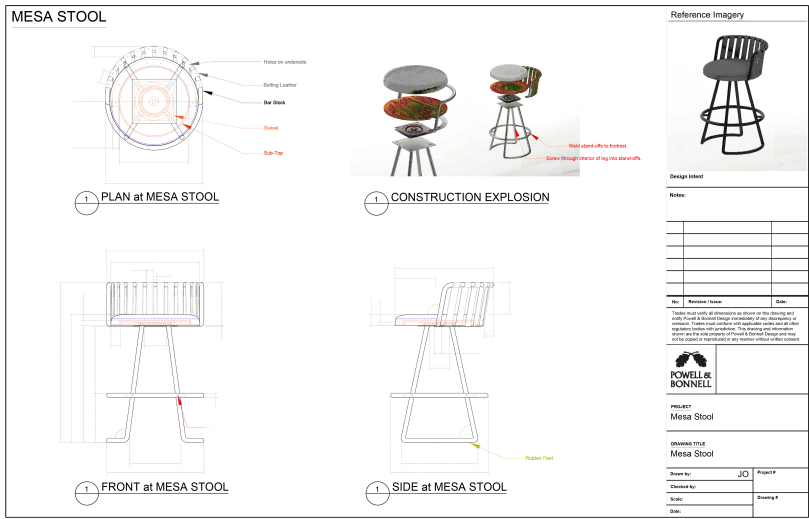
- Jake Oliveira, Designer

MESA SWIVEL STOOL

FABRICATION



UPHOLSTERY STUDY



TECHNICAL DRAWING



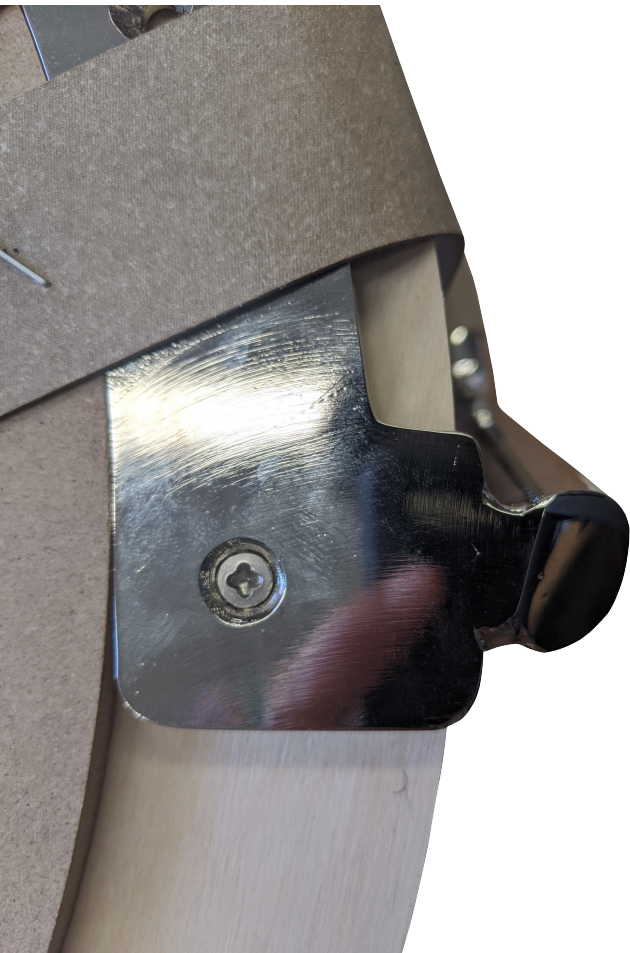
METAL FRAME PROTOTYPE



POWDER COAT TEST

MESA SWIVEL STOOL

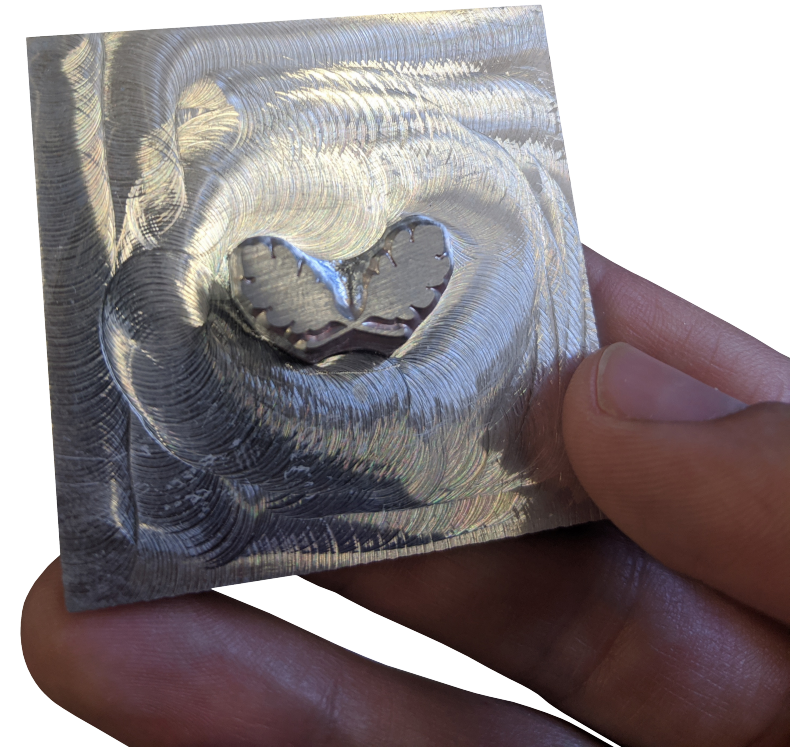
FABRICATION



STRAP FASTENING & FINISHING



INITIAL MOCK-UP



LEATHER STAMP

“It was crucial that the fastening of the complex leatherwork remained clean and invisible to the eye.

3D printed studies, and full scale mockups were vital to finding a beautiful solution.”

- Jake Oliveira, Designer



MESA SWIVEL STOOL | PHOTOGRAPHY

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MESA FAQ's

1. What is the inspiration of the design?

The Mesa Swivel Stool transforms the stunning visual of vertically structured flat top mesa mountains into a stylized belting leather back. It's exquisite detailing honours the timeless luxe leatherwork of the finest Parisian handbags.

2. What is a special feature of the product?

The central feature of the Mesa Swivel Stool is the belting leather back detail; which is a complex technical feat made to appear effortless.

3. What materials are used?

The Mesa Swivel Stool is comprised of a metal base, upholstered seat, and belting leather straps.

4. Is it possible for other materials to be utilized?

The piece is fully customizable and available in all of Powell & Bonnell's metal finishes, COM/COL for the seat, and a variety of colours for the belting leather straps. Like all Powell & Bonnell products, customization requests are welcomed.

5. For this product, how were your manufacturing processes and material usage innovative?

As belting leather is a thick and rigid material, it can be a difficult to manipulate to an artisans will. Due to the angled nature of the stools arm, a clever and concealed pivot point fastening technique was used to ensure the straps remain parallel with the metal arm.

6. What design challenges did you face?

The primary challenge in designing and fabricating the Mesa Swivel Stool was manipulating the materials to work together in a way that presented itself as tailored, rather than cumbersome. This required thorough and thoughtful industrial design followed by close collaboration between a variety of highly skilled artisans, bolstered by intense attention to detail.





THANK YOU

PLEASE NOTE: All imagery shown in this case study can be provided as individual HQ files.