Detailed Design





























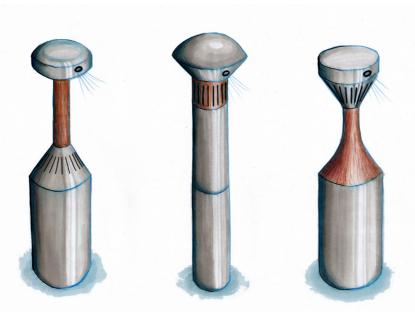
Hannah Jenkinz

I decided to use a double sided projection film as I found the benefits of viewing the image on both sides meant much more people could enjoy the projection. I then had to refine the shape, dimensions and materials used.

Shape

The screen had to be a rectangular shape and was constrained by the size of posters. I liked the juxtaposition of the cylindrical pillar, and experimented with different shapes. I had to ensure the equipment could fit appropriately. I also considered using the screen shape as a solid poster structure resembling a door, for use in other wall locations where projection would not be appropriate.





Materials

I chose shiny, rust free aluminium metal for the pillar and bottom half of board, with a toughened glass section to project on to. I wanted to use red pine timber to frame the screen and to break up the metal pillar.



CAD Refinement

Once decided on basic form, I made small alterations to my model until happy with the mix of materials & the parts complemented each other.



Edited original model to incorporate glass screen.



Only vertical wooden beams to match pillar.



Cylindrical beams in frame to match pillar.



Rectangular beams offset and pillar altered.



Beams framing screen thinned to match pillar.



Vertical wooden supports and metal for posters & top.