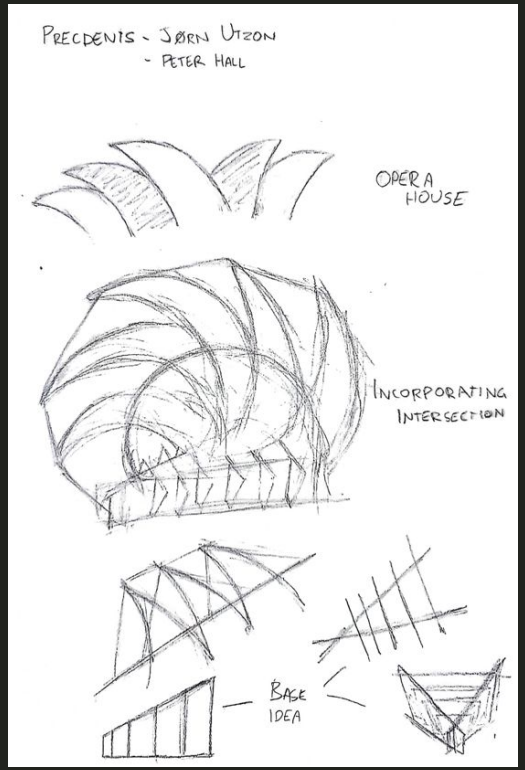
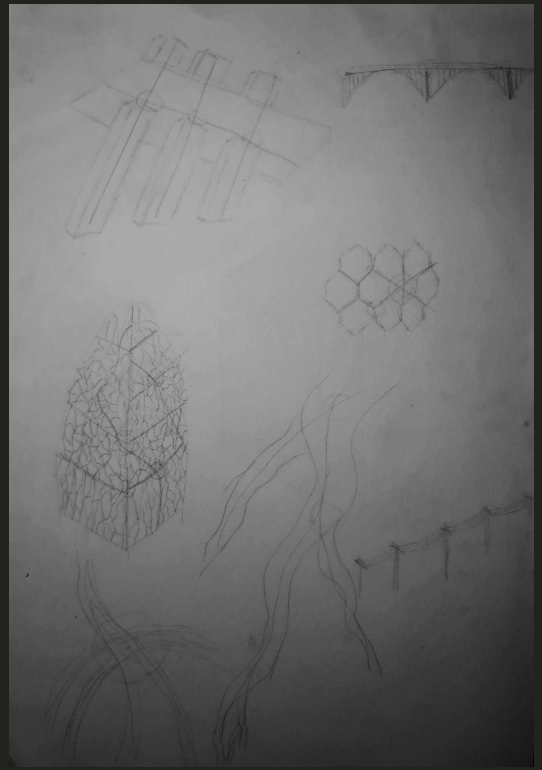
Transitions in Form

Part 1

Brendan Dutton

Precedents



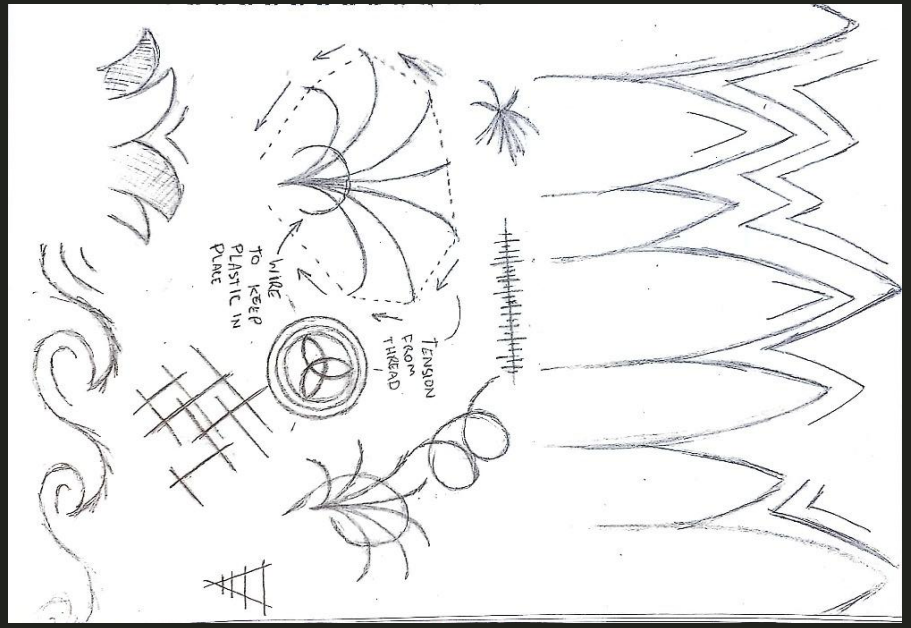


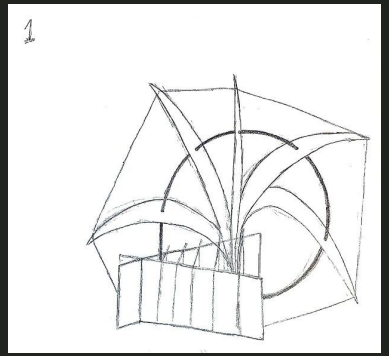
I was really intrigued by the shape the opera house gives when looking at it from the side. I really wanted to incorporate this into model. I experimented with different ways to find out how to make the pointy edge bend down just like the opera house does. I found the best way to do this was to make the string pull the plastic down into place.

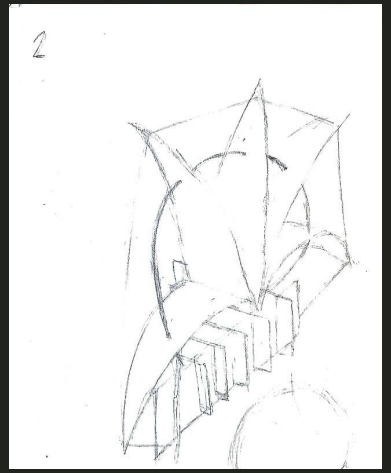
For the base i heavily looked into my given word intersections and figured the best way to do these was to create intersecting pieces that cross two planes. I knew if I made my base this way I could connect the plastic pieces easily.

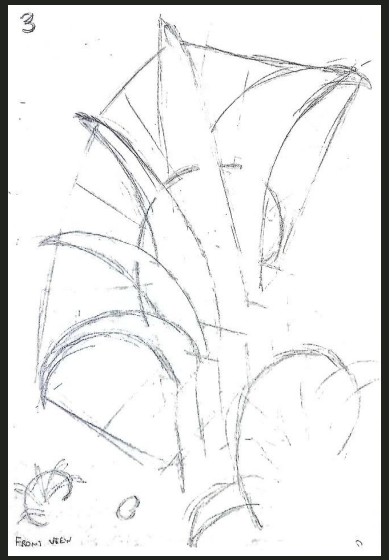
The second image is sketches of real life instances of intersections.

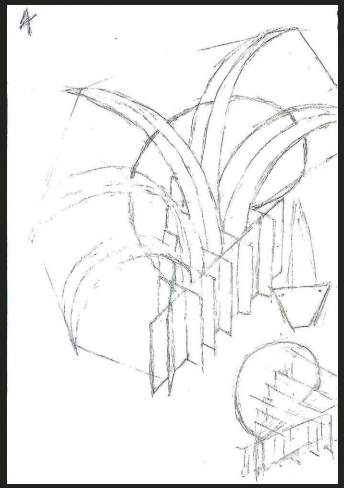
Sketches





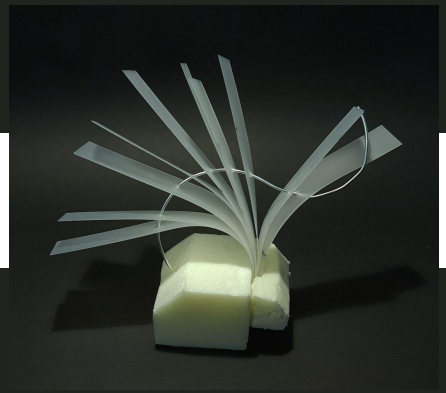
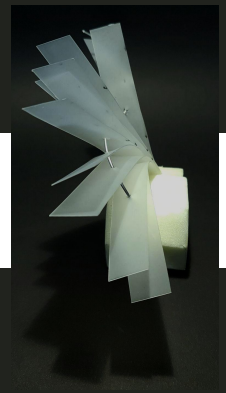
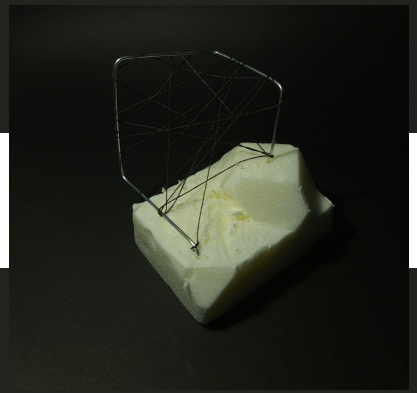






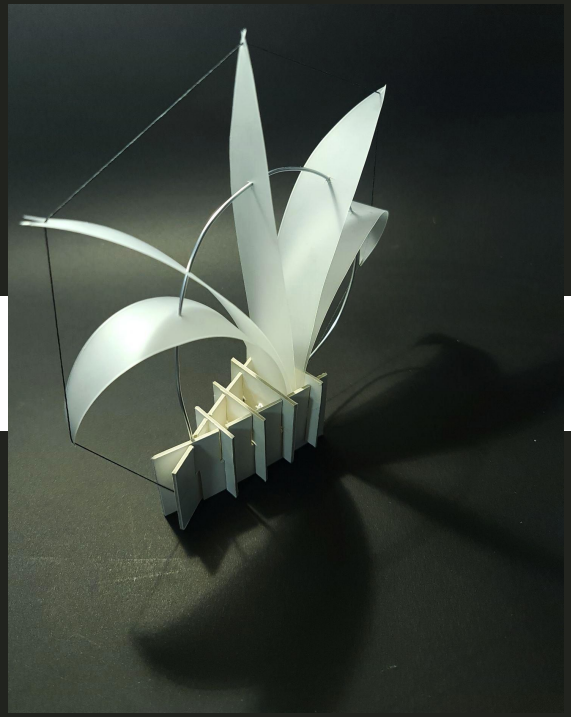
When I was in the early development of making my models I just drew anything that came to mind to do with intersection. The images on the right are ideas on how I could iterate my first sketch model made out of foam instead of card.

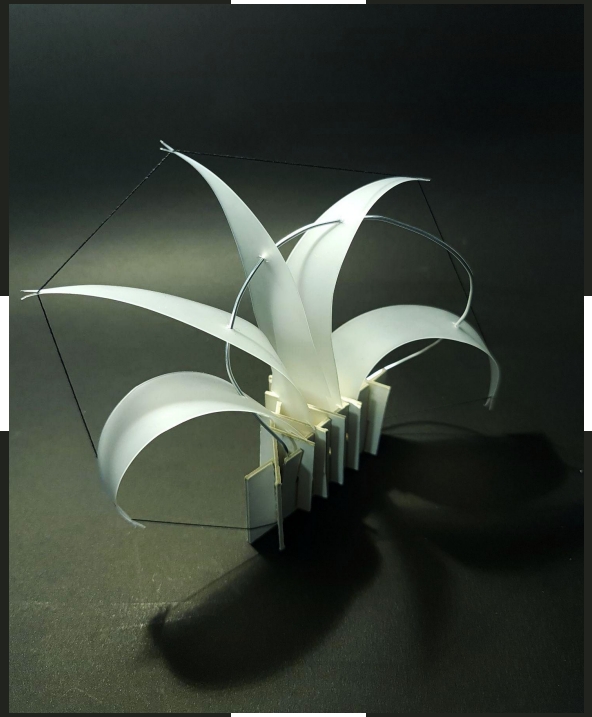
Sketch Models


These are my favourite sketch models for this project. I really liked the look of the first few models with the plastic pieces going out from the bottom piece. I iterated the first models and made changes to them to create my first card model. My favourite out of these 4 is the 2nd (and 3rd) because of the slight twist in the way the wire moves. I ended up using this bend in my 2nd and 3rd final model and think it turned out very well.

Final Forms



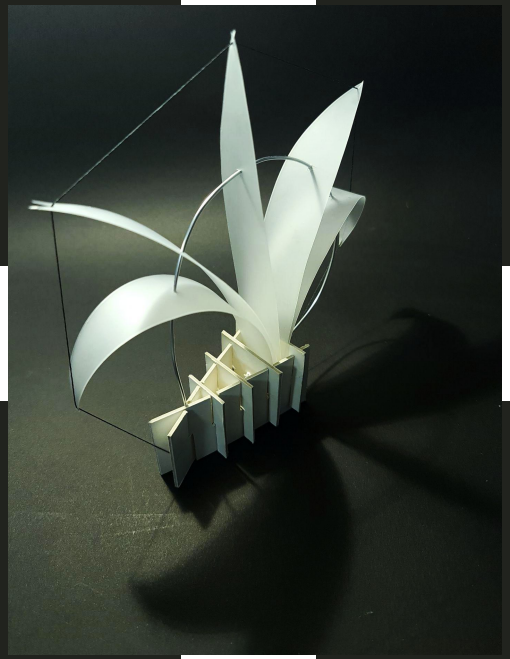




Transitions in Form
DSDN 111

First Form



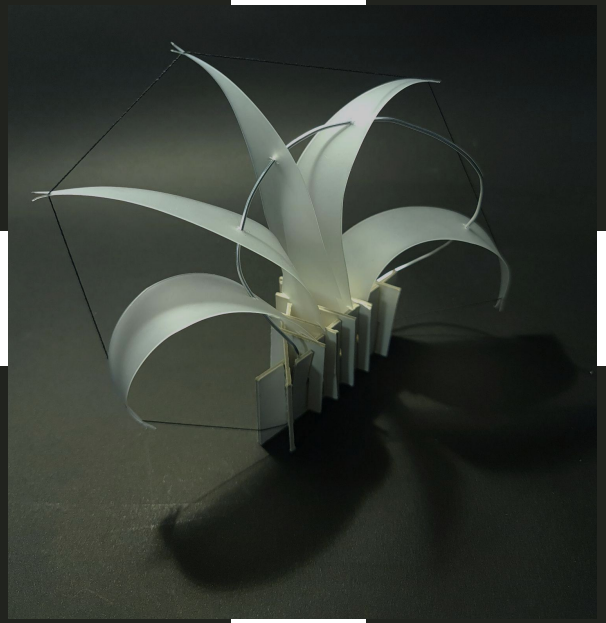




Transitions in Form
DSDN 111

Second Form







Transitions in Form
DSDN 111

Third Form







Transitions in Form
DSDN 111