

The Opera House at Tenerife in the Canary Islands.



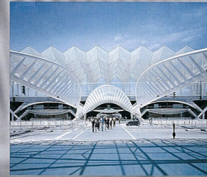
Alamillo Bridge

Santiago Calatrava

Modern technology has taken a huge part in the way Santiago Calatrava is able to construct and model his designs before they have been built. This will assist in other associate designers and contractors in understanding how his buildings are assembled. Without technologies such as computers, intricate and complex parts of his designs would be nigh on impossible to produce as they would be extremely difficult to draw, whereas with use of modern technology such things are simple to produce. Technology has allowed him to manufacture forms and shapes accurately and use new materials such as pre-cast concrete.

Calatrava's designs have influenced society in a number of ways. He has designed several "community" structures like buildings (such as museums, art galleries, train stations) and bridges where everyone can access and enjoy their beauty. Calatrava has influenced the modern era of architecture. A lot of modern work seems to be dismissed by the public, but not many people say that about Calatrava's work, he manages to cater for everyone, and uses the space and its surroundings so effectively that there is very little for people to be disappointed about when examining his work.

His work is highly original and expresses the structure and is therefore an obviousness about what he is trying to achieve in each of his designs, which is unique and purpose built for each building.



Orient Station

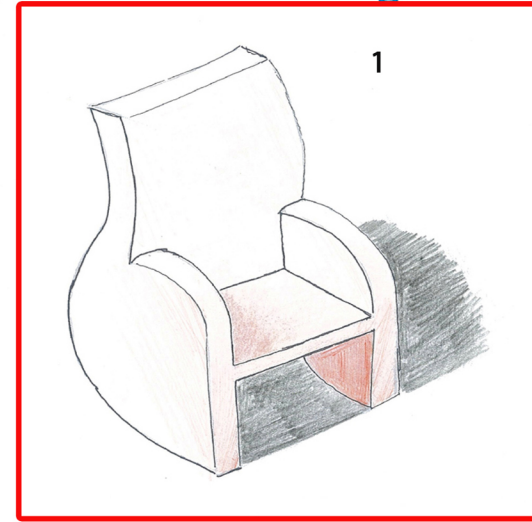


The Chicago Spire

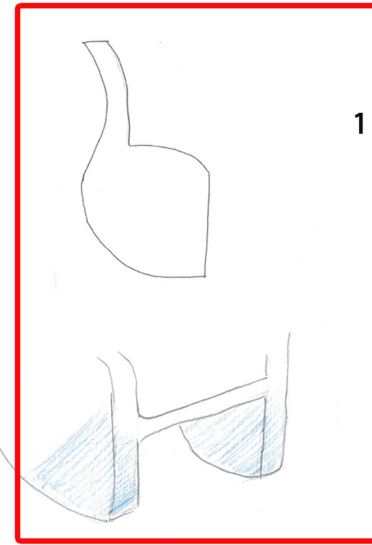
Technology and
Influence on Society

Project 1 - Chair Design

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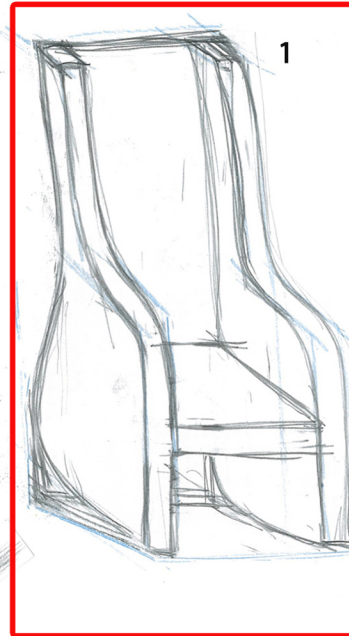
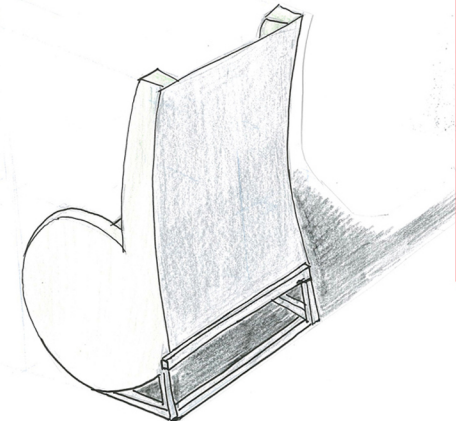
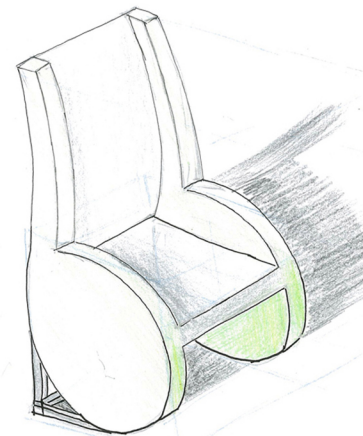
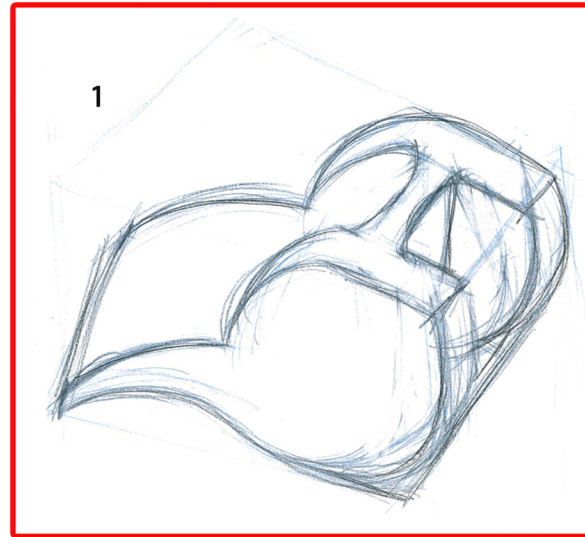
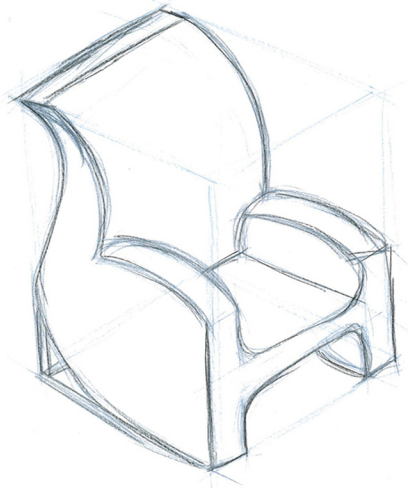


This design reflects similar aspects of design that Santiago Calatrava uses, I have based this design on nature – a leaf, which can be seen from the side on view. The red colour scheme also ties in with nature, signifying autumn. This design uses several curves, which art used greatly in the modern era of design that Calatrava is a part of.



Due to this design not having support at the back, the front needs to be heavily weighted to ensure that it wouldn't fall over as soon as someone sits in it. The shaded parts are where the chair would need to be weighted with a heavy metal like lead.

Concept 1



Student 3 Low merit page 1

Development – Quick Sketches