

Design Project I

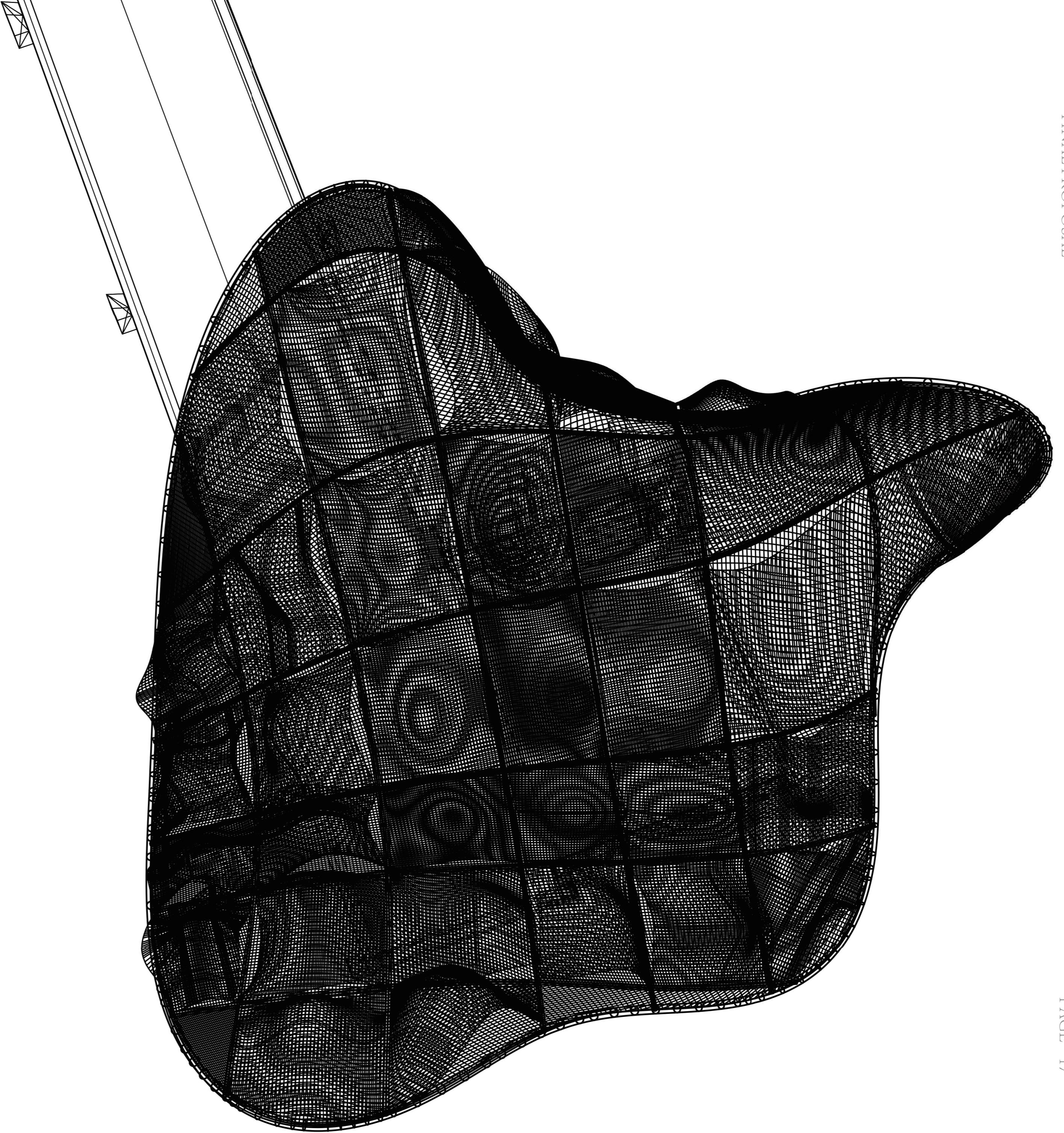
CIYING WANG

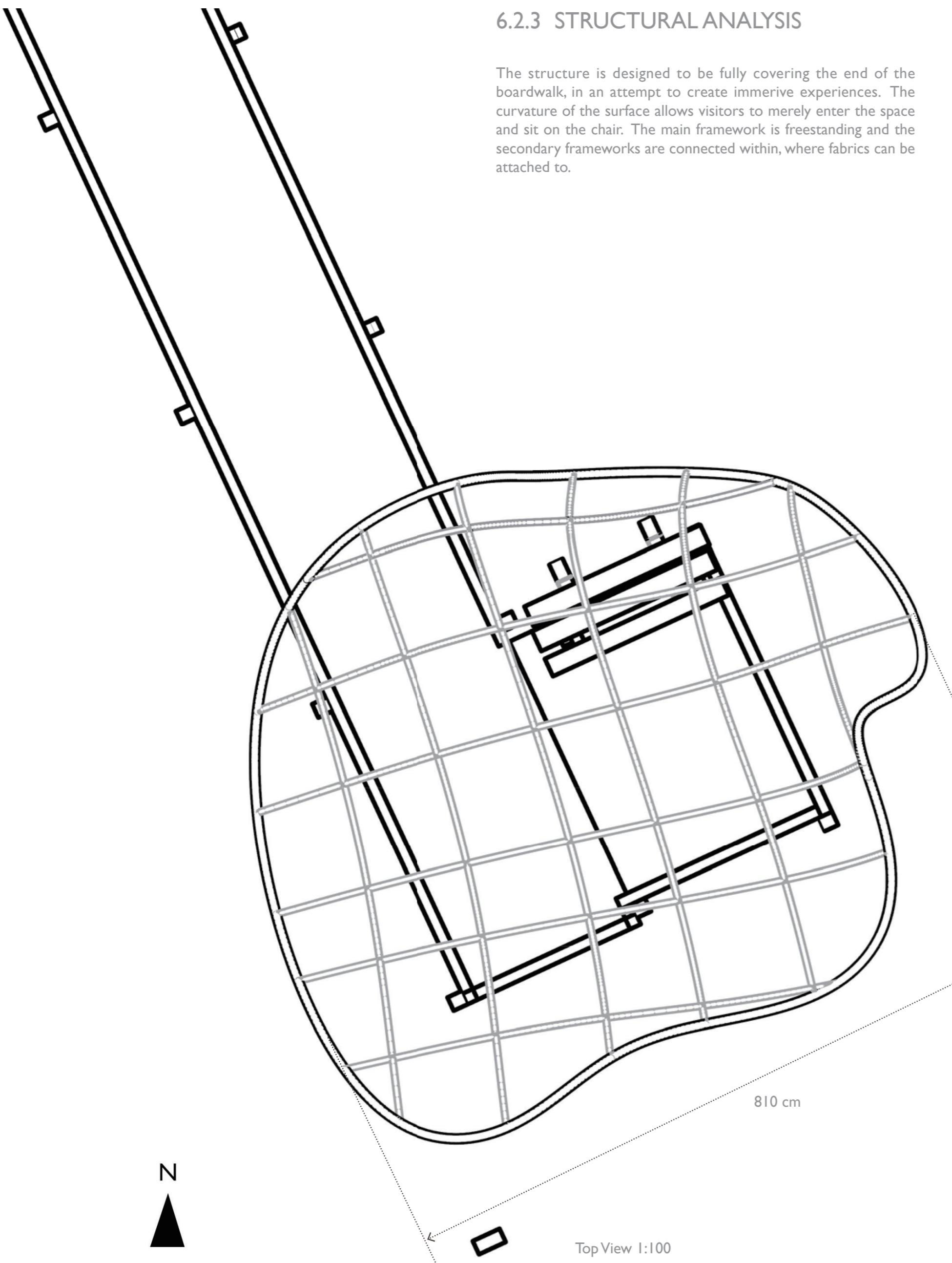
06

FINAL PROPOSAL

The first iteration of design features in a frame system, which gives the fabrics rigid shapes and enables them to form bespoke patterns. However, The final 'screen' structure has no strong connection with its unique surroundings, and neither can it create an immersive experience where more senses, instead of just visual ones, can be triggered.

The design can also be improved structurally. Curvature, which resists more wind load and helps stabilise structures, provides better structural possibilities than flat frames. A membrane system therefore can be introduced to the structure and serve as the first layer of fabric. Considering that the second layer which enables moire effect to happen still needs frames to be fixed on, a series of arched frameworks can be introduced to the structure where the membrane can be hung from. The curvature of the structure should correspond to prevailing wind directions and minimise wind loads.

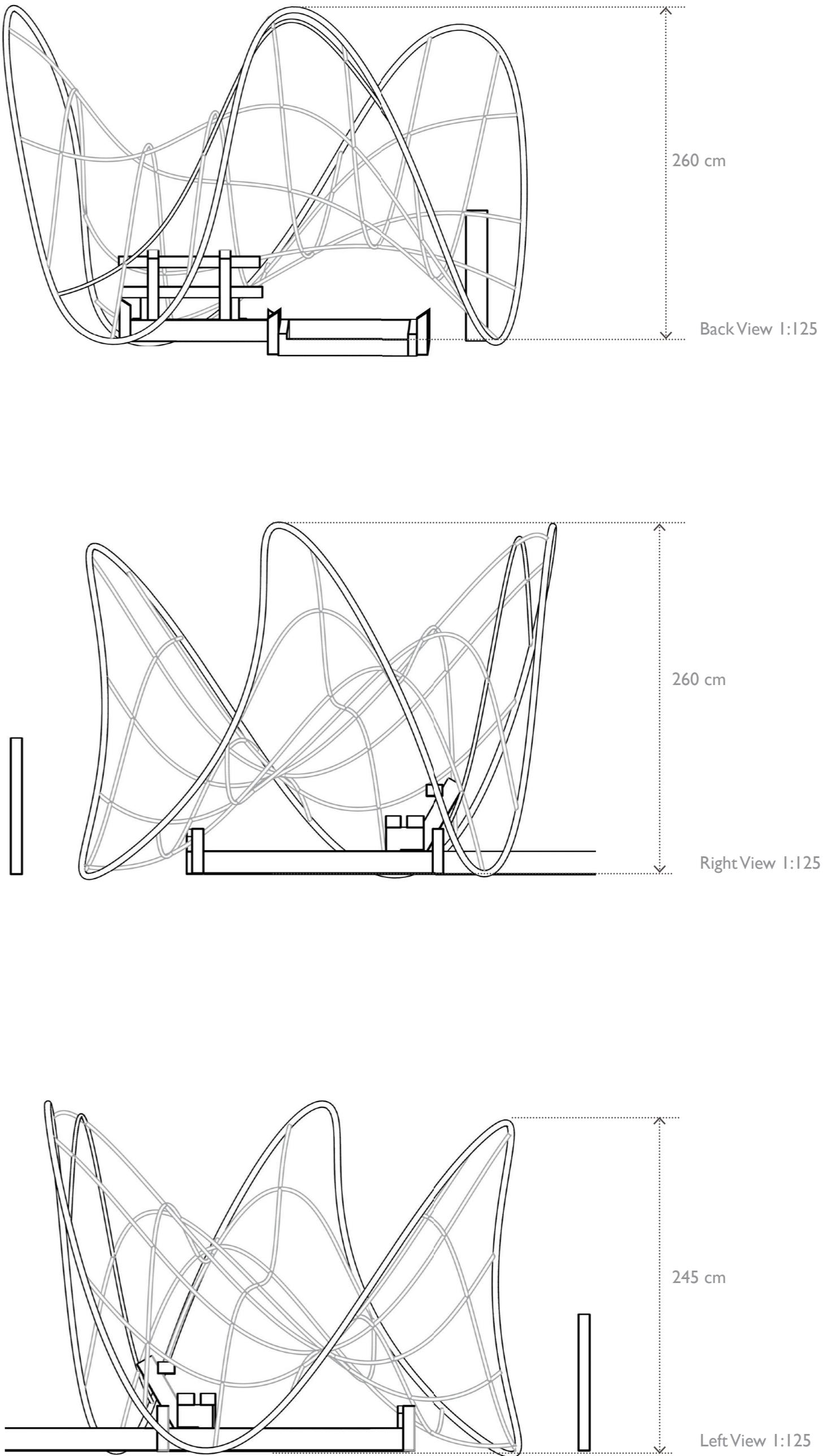


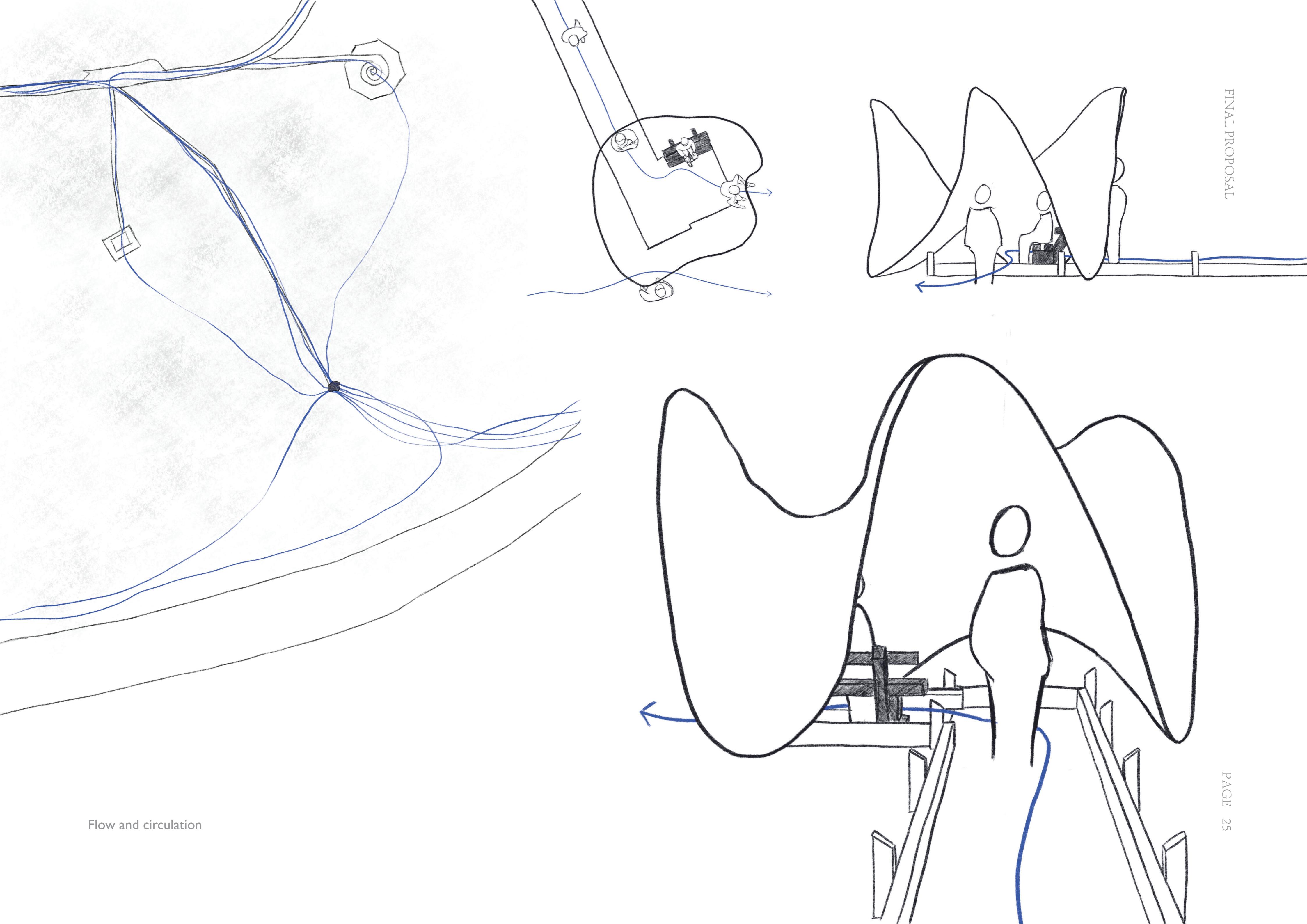


Top View 1:100

6.2.3 STRUCTURAL ANALYSIS

The structure is designed to be fully covering the end of the boardwalk, in an attempt to create immersive experiences. The curvature of the surface allows visitors to merely enter the space and sit on the chair. The main framework is freestanding and the secondary frameworks are connected within, where fabrics can be attached to.





6.2.4 DETAILS

 Diameter: 4cm Diameter: 2cm

Material: Aluminium

