The Design Process is defined as a seven-step process.

- Step 1 – Problem Identification
- Step 2 – Preliminary Ideas
- Step 3 – Refinement
- Step 4 – Analysis
- Step 5 – Decision
- Step 6 – Implementation and Design Evaluation
- Step 7 – Testing, Analysis, and Modification

Initially, this project was designed as a 30' tall tribute. When the manufacturer investigated this idea, it was found that the cost of the special-order materials alone would have been close to $11,000. This lead to modifications of the design. The final design that was implemented was only 17.5' tall. These materials did not have to be special ordered and were therefore less expensive. The final price for the manufacturing was around $9,000 total.

The rest of our project will be focusing on step four. A professional engineer originally made these calculations.