

II. DESIGN PROCESS

Our design process began by searching various truss structures to get an introduction to the area. We considered Pratt, Warren, and Howe trusses before ultimately choosing our first design. In our design, we wanted to have the most symmetry we could about the loading point. We knew this process would likely take multiple iterations. It was also a somewhat challenging at first to ensure that the truss was statically determinate. After many brainstorming sessions, the problem was resolved. This first design was unable to hold 63.5 pounds, much lighter than what we wanted. While the first design ultimately failed, it was cool to see the truss we drew up come to life.

