**Problem Statement:** Complete a scale model replica of the Iowa State Campanile and a 27-bell carillon that is accessible, functional, and easily transportable.

**Screw Modification**
- Increase rigidity of screw and reduce buckling risk
- A Thrust Bearing and Brass Nut holding the load of the screw
  - Serviceable and can be easily replaced
  - Robust with a factor of safety above 2.0

**Prop Rods**
- Ensure height accuracy for the 6-foot Scissor Lift for better Façade Attachment

**Spring Assist Mechanism**
- Implementation of the spring mechanism could reduce the maximum force on the actuator by 54% (13,300 lbs)

**Final Design**

**Future Work**
- Finish Fabrication
- Transportation Details
- Final Testing

**Complete a scale model replica of the Iowa State Campanile and a 27-bell carillon that is accessible, functional, and easily transportable.**