

Furthermore, we also adjusted the way the rubber bands were attached to the elevation arm to ensure more even force distribution and faster ascent speed. During testing, we found that the key to using the rubber bands effectively was to maximize their deformation during the elevation phase and still have sufficient tension during the final descent.

These modifications and adjustments aimed to improve the elevation mechanism's performance and address the issue encountered during the competition. We remained committed to testing and modifications to ensure optimal performance in future matches.

## 4/2 ELEVATION - 2

Today we further optimized the elevation mechanism. This time, we achieved the goal of quickly lifting the elevation arm with less force and applying greater force when lowering it.

We installed a 2x7 C-channel on the place holds the thick shaft and placed a screw and a nut column at the top of this channel to pull the rubber bands.

We also selected a position on the elevation arm to fix

project

designed by:

witnessed by:

date: