

1. Weight Capacity - The device needs to be able to support a wide range of weights to work for many different physically challenged individuals. Also may need to support both the individual and an assistant
2. Material Testing - It is important to see how potential materials being used to manufacture the device interacts over time with bacteria commonly found in restrooms
3. Cost of materials and installation - Due to the need for this device and its primary user being someone with mobility challenges, we want to ensure that its cost effective and fairly simple to install.
4. Overall Aesthetic - We need to make sure that the device looks and feels comfortable. No one wants to use the restroom on a device that looks like a mix between a medieval torture device and a transformer.
5. Upper body support - Someone with little low body mobility is a high slip risk, and the device needs to offer the proper support engaging their upper body to help prevent falls.