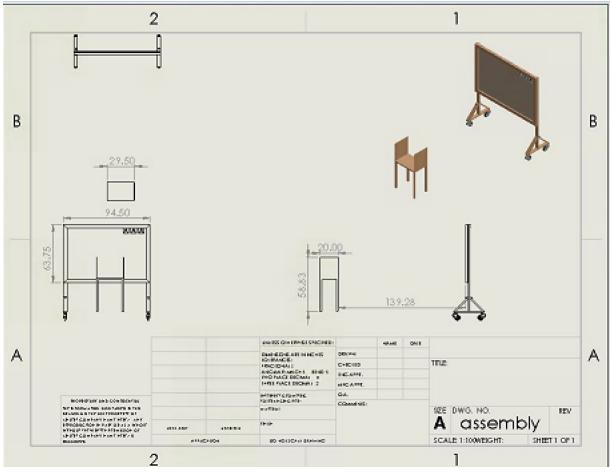
Team 2-A Wonder Factory – Words ME 486C August 2, 2018

Final Product Testing Proof

Table1: Engineering Requirements and Customer Requirements

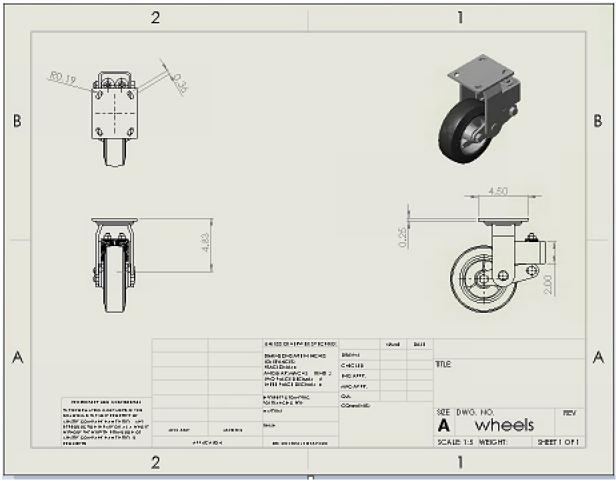
Engineering Requirements	Target Value	Percentage Error
Size	6X6 feet	25%
Weight	100 lb	10%
Safe (No Sharp Edges)	-	
Number of Words	10 words	10%
Range	1-1.5 meters	30%

Requirement #1- Size:



Since the width is well within the percentage error. The Engineering Requirement for the size have been met.

Requirement #2- Weight:



For the weight of the project, we had wheels of 90 lb. attached to it so it could withstand the required weight of 100 lb.

Requirement #3- Safe:

There were no sharp edges used in this project where we focused on using materials that were harmless and we mostly used Velcro material and plywood in this project.



Requirement #4- Number of Words:

The alphabets on the board are 3 rows and 6 columns. So, it makes sense that we can gather 10 words from those alphabets.



Requirement #5-Range:

The distance that we calculated to be the safest for kids was 1.445 meters. And from that distance, they can hit their targets using the catapult that we designed.