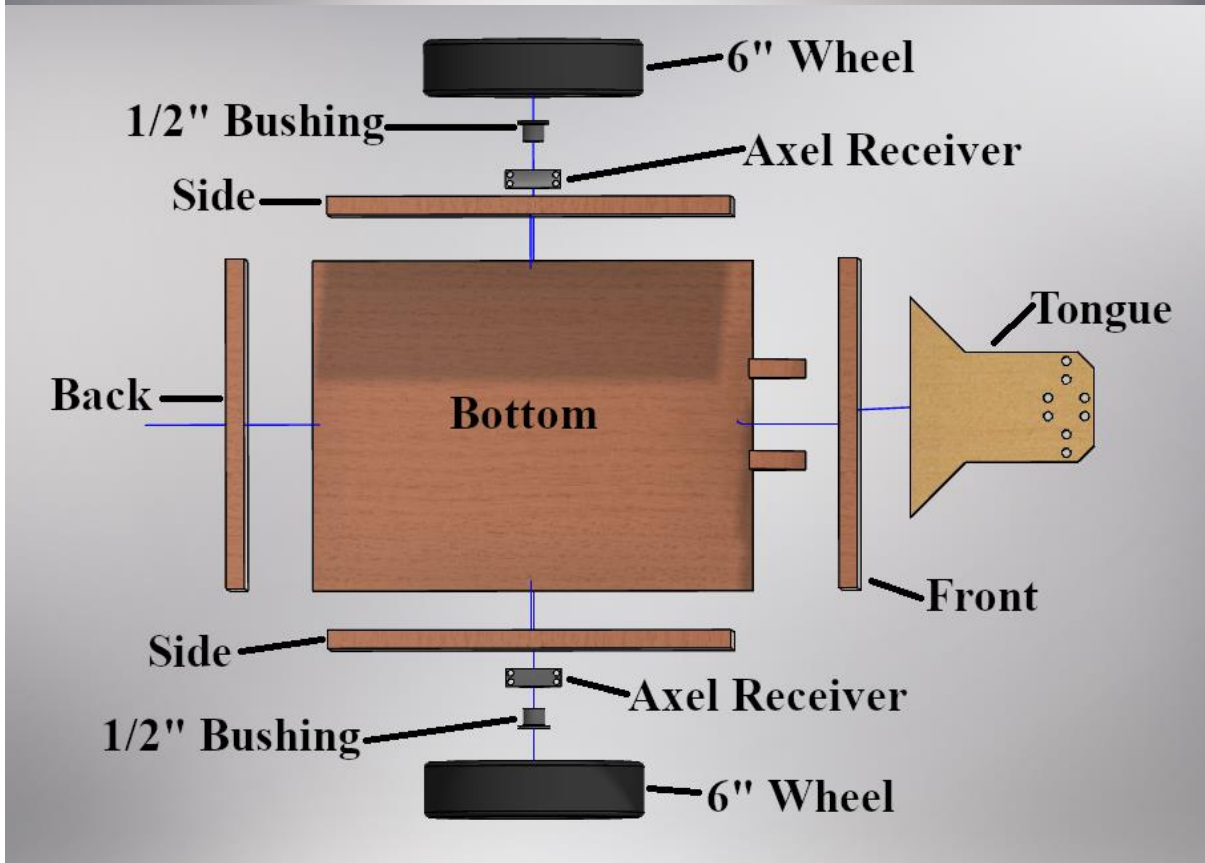
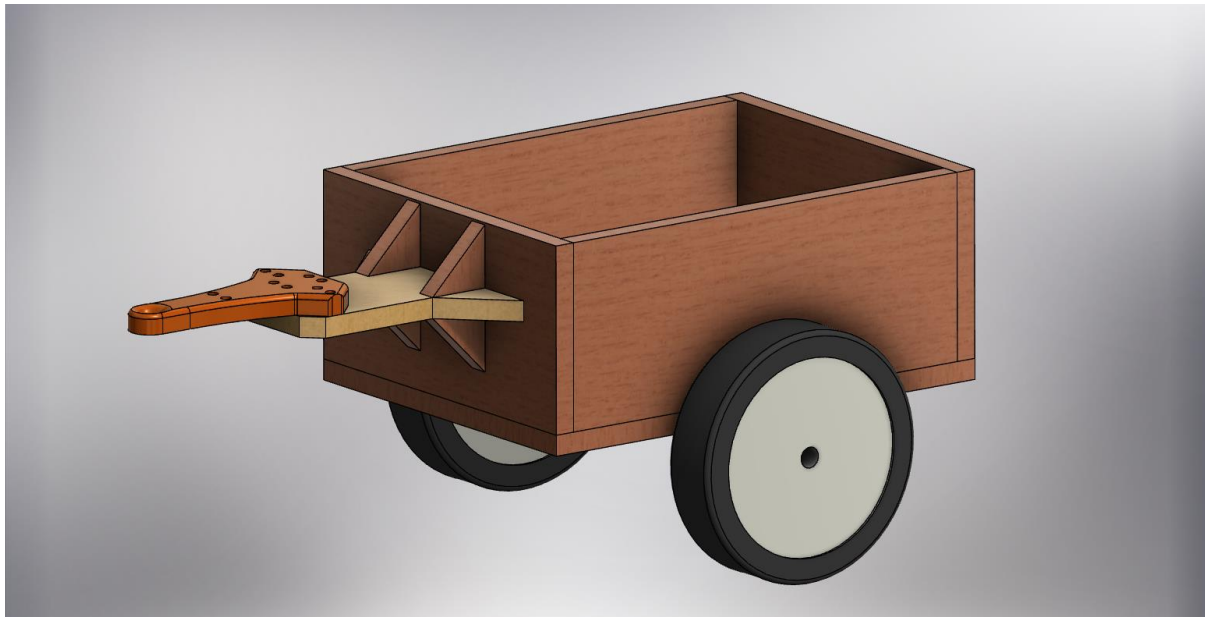
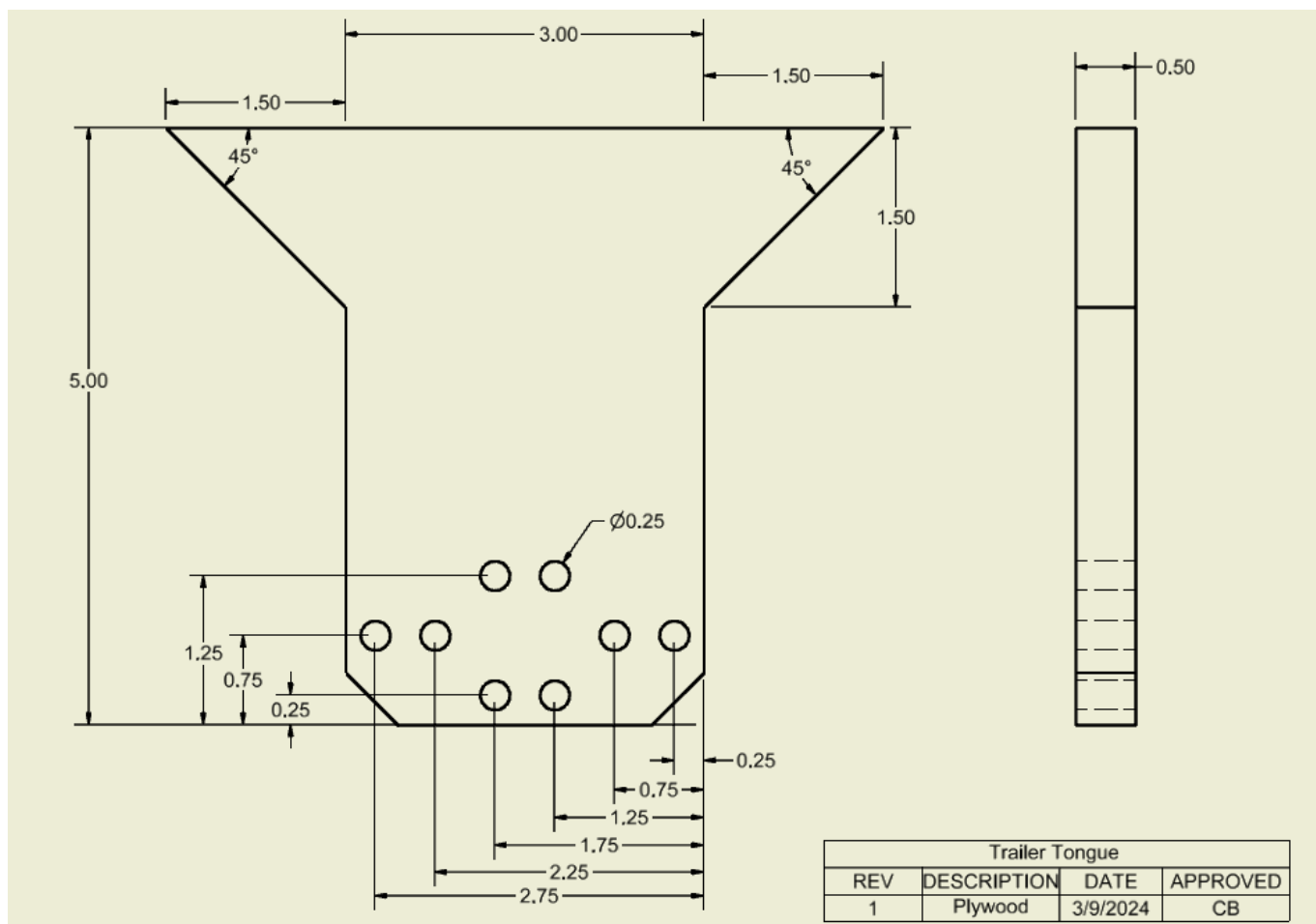


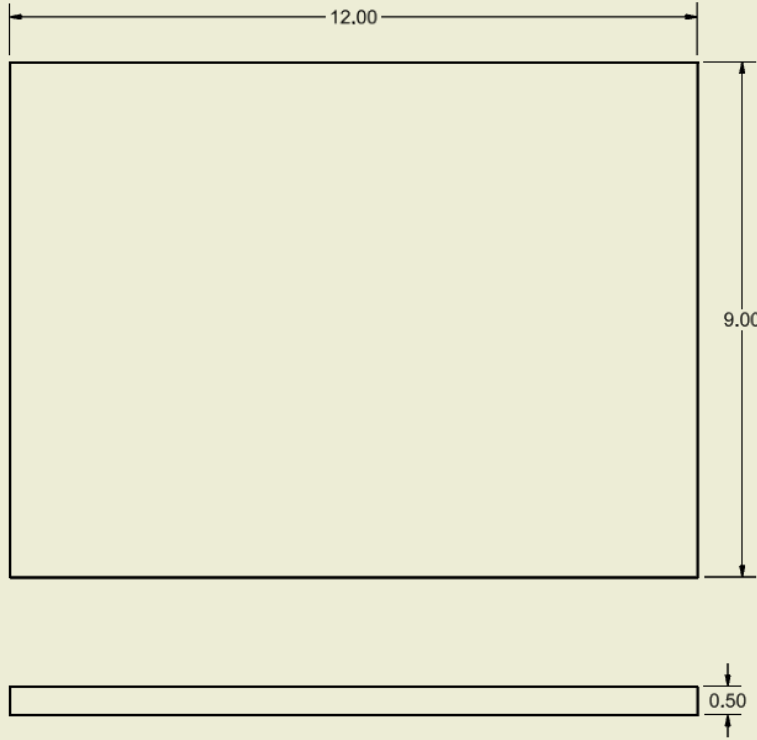
MINI Trailer | Assembly Instructions



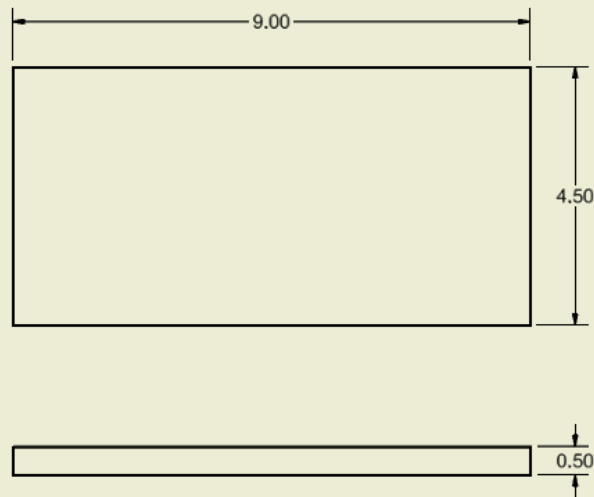
Wooden Components

A good majority of the trailer's parts are made of $\frac{1}{2}$ " plywood. They can be easily cut freehand with a square, tape measure, and a saw of some sort (bandsaw, jigsaw, scroll saw, hacksaw, etc). to fasten the parts together, line them up with clamps, then drill pilot holes and run fasteners into the joining pieces from the sides. We also recommend chamfering the pilot holes so the fastener heads sit flush. Below are the necessary drawings to cut each part. Please refer to the above layout guide for assembly.

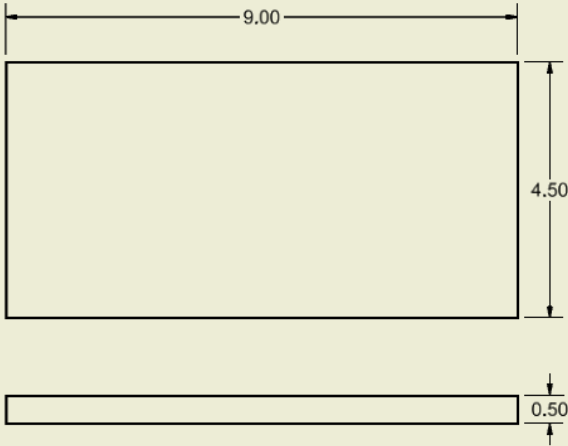




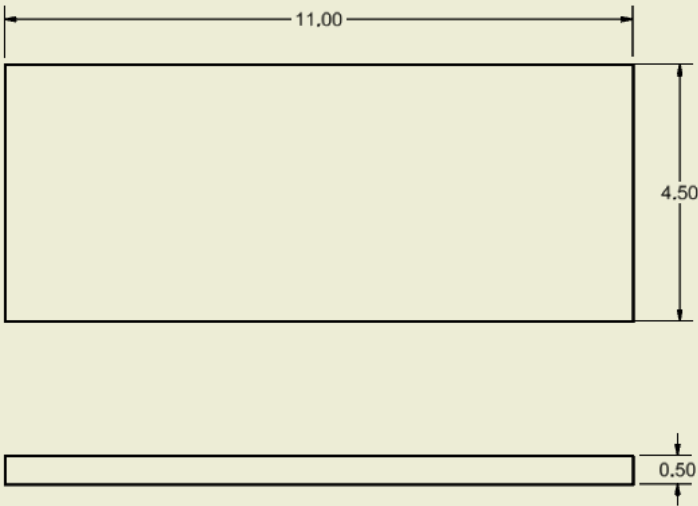
Trailer Bottom			
REV	DESCRIPTION	DATE	APPROVED
1	Plywood	3/9/2024	CB



Trailer Back			
REV	DESCRIPTION	DATE	APPROVED
1	Plywood	3/9/2024	CB



Trailer Front			
REV	DESCRIPTION	DATE	APPROVED
1	Plywood	3/9/2024	CB



Trailer Side			
REV	DESCRIPTION	DATE	APPROVED
1	Plywood	3/9/2024	CB

Additional Components

In addition to the wooden frame, two 3D-printed parts are utilized to mount the wheels. The files for these parts can be found alongside this pdf. It is recommended that these parts be printed with at least 50% infill to ensure adequate rigidity. The wheels are standard 6" $\frac{1}{2}$ " bore plastic/rubber and can be found at most local hardware stores. The ones we used are from Harbor Freight. The axel that connects the wheels to the frame is a standard $\frac{1}{2}$ " aluminum round tube and can be purchased and cut down. Holding it all together is two $\frac{1}{2}$ " shaft collars which fasten onto the ends of the shaft.

