

### **Parts List:**

- (x2) 16 in 1x2 Stock
- (x2) 59 in 1x2 Stock
- (x8) 90 Degree (“L”) gussets
- (x4) 0.5 in Flanged Hex Bearings
- (x8) 0.5 in Hex Lock Collars
- (x1) Wide Parallel Mount Gusset
- (x1) 775 VersaPlanetary Single Stage 10 1 (found in gearboxes folder -> planetary -> 775 planetary -> then copy the folder called “775 VersaPlanetary Single Stage 10 1” into your folder)
- (x2) 0.5 in Hex 16T 25 Chain Sprocket
- (x1) 36 in Hex Shaft

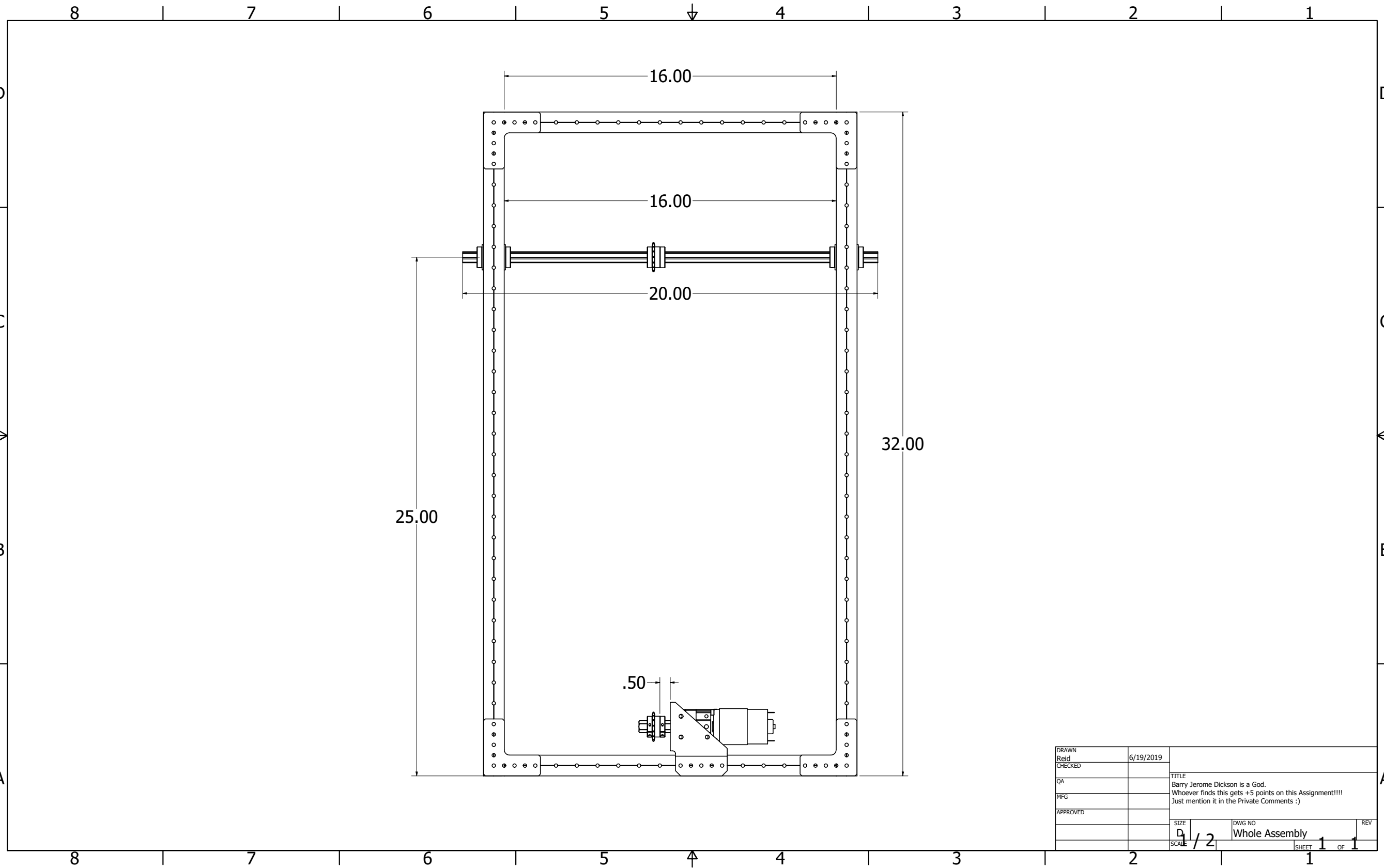
### **A Brief List of Major Steps: For a small challenge, don’t look at this!**

1. Copy the required parts above from the parts library to your folder. Do not place them into the assembly just yet.
2. Open the part file of the 36 in. Hex Shaft. Trim it down to 20 in. the same way you would with stock. Then save the part file.
3. Begin work on the 32 in. side pieces by opening the 59 in. stock part, trimming it to 32 in., and creating the bearing hole. Make sure you SAVE the part and then you can close out of the part
4. Open a new assembly file and place the 32 in. stock with the bearing holes that you just made into the assembly as well as two bearings. Constrain the bearings to the holes in the stock and save the assembly file into your folder (remember to do it the way shown in the beginning of Lesson 5B).
5. Now you’re going to assemble the whole thing. Make a new assembly file. Start off by placing the 4 pieces of stock (two 16 in. and two 32 in. with the bearing holes and bearings that you just made). So essentially you’re placing two parts and two assemblies into a new assembly.
6. Now, just work in this assembly file and place and constrain all of the remaining parts together. You got this!

### **One Other Thing:**

You’ll notice how the two sprockets are lined up with each other...think about what constraint will do that...

# Drawing



DRAWN Reid	6/19/2019			
CHECKED		TITLE Barry Jerome Dickson is a God. Whoever finds this gets +5 points on this Assignment!!!! Just mention it in the Private Comments :)		
QA				
MFG				
APPROVED				
		SIZE D <sub>1</sub>	DWG NO Whole Assembly	REV
		SCALE 1/2		SHEET 1 OF 1

**What it should look like**

