

Personal CAD Project: Gibson Flying V Guitar Statue

I chose to create a statue of a guitar that could be placed in front of the Rock and Roll Hall of Fame in Cleveland, Ohio, which I visited last summer. I have long been a fan of guitars, and decided to model mine off of my favorite, the Gibson Flying V, with a few personalized touches. I do not own this model because it is very expensive, but do love to play guitar in my spare time.

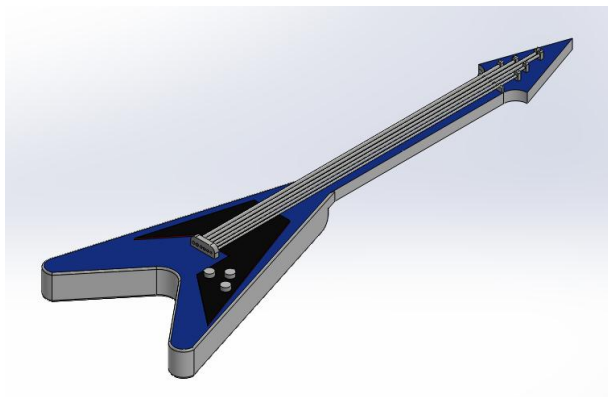
The hardest part of constructing the guitar in SolidWorks was definitely the strings. I ended up doing an Extruded Boss after sketching circles in the front view, and extending them throughout the neck of the guitar. It was tricky creating them different sizes to match the different strings, while still having them equally distant apart and from the body of the guitar. I also decided to leave out the tuners on the head of the guitar because they were too complicated and I did not have enough time due to all the other projects we are working on. The most beneficial learning experience I had was creating an object completely from scratch, without directions or dimensions to use for help. Some of the general dimensions of the guitar were available online (which I then scaled upwards), but the sizes of smaller features such as the volume buttons I had to just create based on whatever looked best. It was much more fun making an object of my choosing compared to one given to us in class that we had to real interest in how aesthetically appealing it turned out. This required several deletions of parts, but I am very happy with how the final product turned out. In my opinion, CAD is a great design tool that makes complicated three dimensional designs fairly easy to recreate. It takes a good deal of

practice to get used to - I had to come in after class multiple times to master it – but once it “clicks” for you, it becomes much more enjoyable.

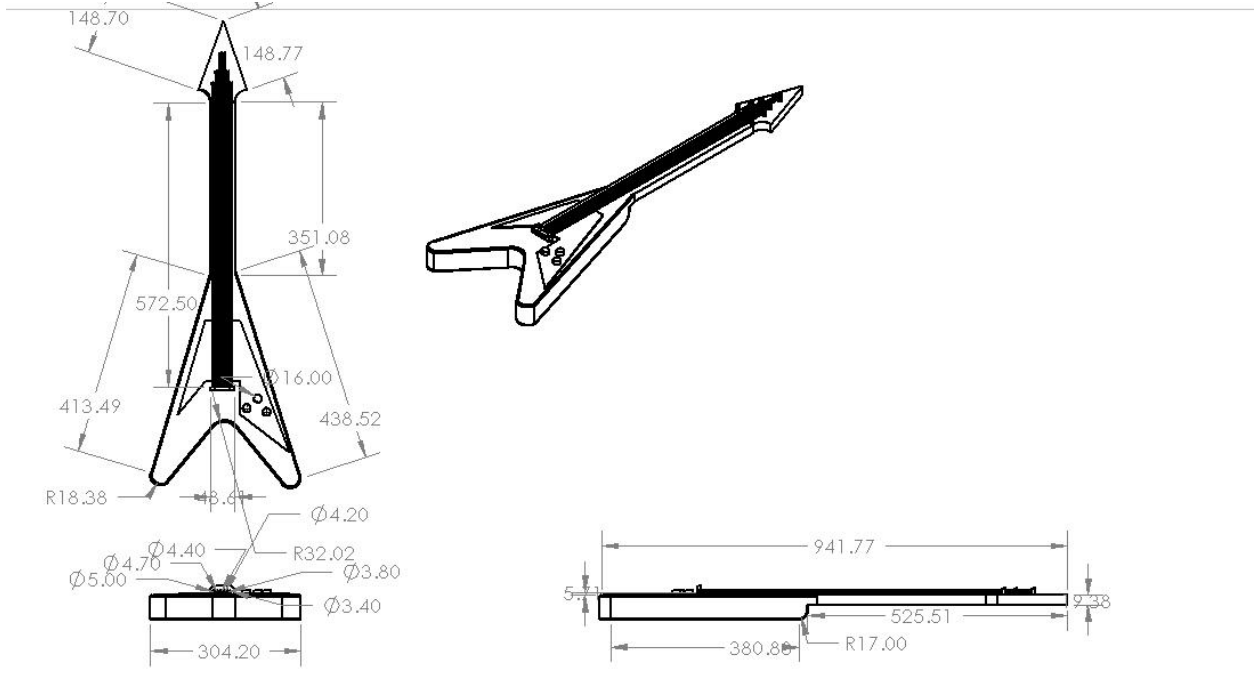


### The Gibson Flying V Guitar

<http://www.taringa.net/posts/images/15586850/Guitarras-Gibson-Megapost.html>



My personal recreation of the  
Gibson Flying V Guitar,  
complete on SolidWorks



PROPRIETARY AND CONFIDENTIAL  
THE INFORMATION CONTAINED IN THIS  
DRAWING IS THE SOLE PROPERTY OF  
CHRYSLER CREDIT COMPANY. ANY  
REPRODUCTION IN PART OR AS A WHOLE  
WITHOUT THE WRITTEN PERMISSION OF

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	
		DIMENSIONS ARE IN INCHES	DRAWN			
		TOLERANCES:	CHECKED			TITLE:
		FRACTIONAL ±	ENG APPR.			
		ANGULAR: EACH ± BEND ±	MFG APPR.			
		TWO PLACE DECIMAL ±	Q.A.			
		THREE PLACE DECIMAL ±	COMMENTS:			
		INTERPRET GEOMETRIC TOLERANCING PER:				
		MATERIAL				
		FINISH				
NEXT ASSY	USED ON					

SIZE DWG. NO. RE  
Auitar Drawing