

# FINAL PRODUCT BREAKDOWN

## TEAM: 19F14 Electric Baja Team

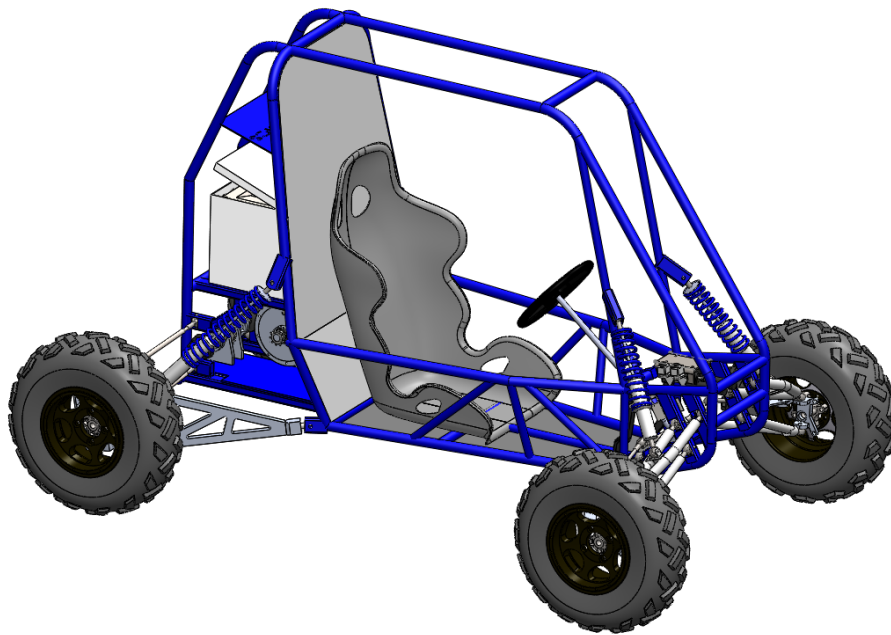
Due Date:

Friday, May 1, 2020 at 11:59pm

Disclaimer:

Due to COVID-19 the team did not have much progress on the physical vehicle between the final product breakdown and Hardware Review 2. The majority of the work that was done after the return from spring break was done on the CAD model. The rest was on completing other written assignments.

Provide several pics of the completed system here:



**Figure 1: Finalized CAD model**



**Figure 2: Realigned front suspension**



**Figure 3: Manufactured trailing arm at MarZee Waterjet Services**



**Figure 4: 8 x 4' UL94 Plastic for Firewall**

The following are the Action Items each person completed between Hardware Review 2 and the completion of the final product:

**Team Member: Shamlan Albahar**

Action Item	Date Completed	Result/Proof of Completion
Finished End suspension realigned	3/13/20	Figure 2

**Team Member: Fahad Alhowaidi**

Action Item	Date Completed	Result/Proof of Completion
Finished End suspension realigned	3/13/20	Figure 2

**Team Member: LeAlan Kinlecheenie**

Action Item	Date Completed	Result/Proof of Completion
Finished End suspension realigned	3/13/20	Figure 2
Started cutting out rear hub mounts for mounting when trailing arms were completed	3/13/20	Started but was not finished.

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**Team Member: Andres Parra**

<b>Action Item</b>	<b>Date Completed</b>	<b>Result/Proof of Completion</b>
Finished End suspension realigned	3/13/20	Figure 2
Obtained trailing arms and ready for attachment	4/14/20	Figure 3
Obtained firewall and ready for attachment	4/29/20	Figure 4

**Team Member: Drew Stringer**

<b>Action Item</b>	<b>Date Completed</b>	<b>Result/Proof of Completion</b>
Brake lines ordered for front and rear	3/17/20	The brake lines were returned because project was not going to be finished. The were special ordered from GoAZ Motorsports
Finished End suspension realigned	3/13/20	Figure 2
Finished Full Car CAD Model	4/21/20	Figure 1: Fine tuned all the parts and assemblies in the CAD since that is the only proof we have for a finalized concept for the vehicle.
Started the machining of the gearbox	3/17/20	Machining was canceled due to the car not actually going to be finished. No chips were actually cut for the gearbox. The code was being written for the CNC Mill

Due to the fact that the team does not have a completed car or access to the car, there will be no testing done to the vehicle or subcomponents.