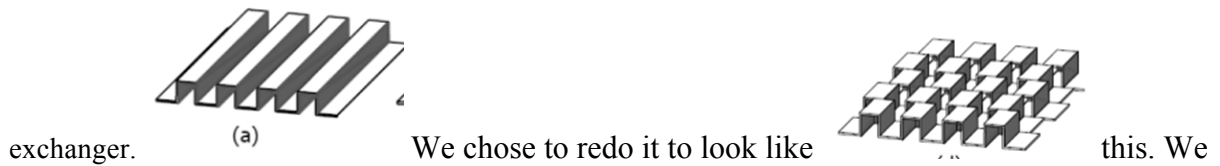


In project 2, we were asked to pick a Lockheed Martin object to re create. My group chose the heat



thought it would be a good idea because this design would be more efficient. This was not too difficult to do because the surface area is the same in our new design as the old design.

We shifted the airflow in our new design, and it would be easily manufactured. Some difficulties of the project were deciding on what part we wanted to redesign, finding a design everyone agreed on, and figuring out if our design would make a beneficial difference in the flow of heat. Also, it was pretty difficult to do the SolidWorks for this project because it was difficult to place the different rows in line, but we managed to figure it out. When we designed our heat exchanger, we used the AHP table, to decide which would be the best design, and then we came up with it. This was a very helpful method. In conclusion, this project was very efficient.