

## Guidelines for Final Report

The final report is a Group Report (one per group) on your actual, completed design. Recognizing that no one ever truly finishes a design, you should report on what you actually did, not what you planned to do but never completed.

You should include your complete functional requirements and design parameter mapping for your entire design.

You should include one or more pictures showing what your design looked like. I advise that you take these pictures before starting to test the design, since things may fail.

Describe your design choices and what challenges those choices presented. i.e., many of you welded, perhaps because you thought it would be simplest, but failed to account for the necessary skills to make welding simple.

Provide a summary of all calculations (probably redone for your actual design). If anything failed, you should consider a failure analysis (talk to me before you undertake so that I can better direct you).

Take some data on your design. Weigh it! (I have scales that should be in your weight range.) Figure out a box in which it might fit (get from your CAD models if necessary).

If you actually chunk a potato, get some distance and accuracy measurements.

Describe anything positive about your design that you can imagine.

Include engineering drawings of all fabricated parts (NOT off-the-shelf parts). Provide assembly drawings or views that help to describe your design.

All group members must sign the report, indicating that they had contributed to the project in some way.

The design report will only count towards 40% of your project grade, which is 25% of your overall grade.