

Detailed Design (DR3) Grade Sheet

Group Number: _____
Report Grader(s): _____

1st Sub. (40%): _____
Resub. (60%): _____
Final Grade: _____

DETAILED DESIGN (30 pts)

- 1a. Resubmitted Final Design Checklist completed and scored by TA for first submission? (-3 pts)**
- 1b. Resubmitted Detailed Design Checklist completed and scored by TA for first submission? (-3 pts)**
- 1c. Detailed Design Checklist accurately completed by team for DR3 submission? (-1.5 pts max)**
- 1d. Detailed Design Checklist accurately completed by team for DR3 resubmission? (-1.5 pts max)**
- 1e. Group Meeting Templates properly used (i.e. showing individual task assignments) and submitted for all team meetings since DR2R (not just a last-minute attempt at including)? *This is an individual grade on a separate assignment on Canvas. If a student does it correctly mark 0 points for them to receive full credit and only deduct points if done incorrectly. (-3 pts max)***

- 2. Clearly written detailed design description explaining how each subsystem works, and why it was chosen based on the background research (including materials selection)? (2 pts)**

- 3. Project schedule with individual task assignments, accurate time estimates based on Concept Selection data, and accounting for holidays, welding demo, and full work periods? (2 pts)**

- 4. Complete and correct assembly drawings clearly showing all parts of the design and BOM with unique balloons referencing every part, including fasteners? Complete and correct BOM table of entire design for reference while reviewing assembly drawings and final prototype? (12 pts)**

- 5. Clear and correct detail drawings for all parts except fasteners? (12 pts)**

6. Project budget correctly accounting for all materials used on the project? (2 pts)

REPORT ORGANIZATION (*deductions for the following mistakes*)

- 7. Does the submitted design report contain an updated cover page? (-1 pt)
- 8. Are consistent and appropriately labeled computer-generated section dividers included (for both the first and second DR3 report submissions)? (-1 pts)
- 9. Is the report assembled in the sequence noted in the [DRT](#)? (-2 pts max)
- 10. Is DRT formatting used without modification and are the provided templates used? (-3 pts max)
- 11. Are grammar, punctuation, organization and scan quality at a collegiate level? (-6 pts max)

GROUP SIZE COMPENSATION

As stated earlier in the semester, the ideal number of group members is four. To compensate individual effort, good quality report submissions by three member groups with will be awarded bonus points.

4+ MEMBER GROUPS (NO ADJUSTMENT SINCE THIS IS THE IDEAL GROUP SIZE FOR THE COURSE)

3 MEMBER GROUPS (COMPENSATION FOR DOING GOOD WORK WITH A SMALLER TEAM)

Excellent quality work (90%+): +10 pts

Good quality work (80-90%): +6 pts

Average quality work (70-80%): +3 pts

ADDITIONAL COMMENTS
