**WING STRENGTH DESIGN**

**EVALUATION**

**FINAL DESIGN**

1) How well do you think you met the requirements for the project?

<table>
<thead>
<tr>
<th>Component</th>
<th>Level</th>
<th>Comments</th>
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</thead>
<tbody>
<tr>
<td>Wing design</td>
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<tr>
<td>Wing construction</td>
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<tr>
<td>Wing testing</td>
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<tr>
<td>Design file</td>
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</table>

Rate yourself and your colleagues using the following levels:

- **A**: Accomplished
  - Unusually good

- **C**: Competent
  - Consistent

- **E**: Emerging
  - Inconsistent, but evident

- **N**: Novice
  - Not evident

2) How well did you work with your team?

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<thead>
<tr>
<th>Component</th>
<th>Level</th>
<th>Comments</th>
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<tbody>
<tr>
<td>Work distribution</td>
<td></td>
<td></td>
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<tr>
<td>Participation in problem-solving process</td>
<td></td>
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<tr>
<td>Systems for quality control</td>
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WORK DISTRIBUTION GRAPH

As you think about the entire project, make a circle graph that shows the approximate percentage you think each member contributed.

3) As you reflect on this long-term group project, in what ways was your team most successful? In what areas does your team still need improvement? Explain your answers.
**Project manager**

Person responsible:

- Maintain the team schedule
- Take the lead on writing any proposals
- Track team progress
- Ensure completion of team reports.
- Recognize and use the strengths of other members of the team
- Check up on progress
- Deal with schedule changes or setbacks in the design and test process.
- Assist the design engineer and test engineer to ensure successful completion of project tasks

**OVERALL LEVEL**

**Design Engineer**

Person responsible:

- Conceptualize and think though alternate design ideas and solve problems.
- Base decisions on sound scientific concepts
- Analyze ideas with experimentation and testing.
- Think “outside the box” for a better, cheaper, more efficient, or elegant way to accomplish a task or solve a problem.
- Assist the project manager with scheduling, writing, and organization.
- Help the test engineer develop a sound test program and produce quality test reports.

**OVERALL LEVEL**

**Test Engineer**

Person responsible:

- Design test to prove and demonstrate the performance of the vehicle. The test protocol must be easily replicated and demonstrate consistent and repeatable performance
- Report test parameters, test performance and test results
- Help the project manager develop the team schedule, particularly in the test phase of the project.
- Assist the design engineer develop designs that can be tested and demonstrate performance according to the specification requirements.
- Take the lead on writing test reports.

**OVERALL LEVEL**

**COMMENTS:**

As you read each job description, rate yourself using the following levels:

- **A:** Accomplished
  - Unusually good
- **C:** Competent
  - Consistent
- **E:** Emerging
  - Inconsistent, but evident
- **N:** Novice
  - Not evident