**Introduction**(15 Points)

Project objectives (i.e. design, build, final truss selection: e.g highest load to failure; lowest material; best strength to weight; etc.) (3)

Summary of project specifications (i.e. requirements, restrictions, construction materials) (2)

Approach to project planning, scheduling, and completion. (10)

**Discussion:** (20 Points)

Introductory paragraph to Design Section content (2)

Overview of the Design Process (3)

Truss design with alternatives considered in insight into your design decisions (6)

Design analysis summary as developed from Truss Analyzer with interpretation of data (6)

Fabrication concerns and considerations in the design phase (3)

**Conclusions and Recommendations:** (10 Points)

Describes the work in terms of accomplishments, both successful and unsuccessful (5)

Provides recommendations to improve the project in terms of basic knowledge, materials, equipment, or other guidance (3)

Discuss what you would have done differently given the opportunity (2)

**Attachments:** (10 Points)

Work breakdown structure and organization chart with roles and responsibilities (3)

Truss Analysis jpg and csv printouts for final truss design (2)

Truss Analysis jpg and csv printouts for at least two alternate designs considered (2)

Brass compression data, charts, and formulas (2)

References to all attachments in the main body of the report (1)