Professional Component Requirement for Senior Capstone

One of the major requirements of professional designs is that they adhere to engineering standards and multiple constraints.

ENGR 490
Senior Capstone
Professional Component: Engineering Standards and Multiple Constraints

Engineers are required to design systems, components, or processes that meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

Write a 5 pages essay (single space) that elaborate on the importance of designing within realistic constraints. Make sure to put particular emphasis on the realistic constraints (besides economical and technical) that you have met/considered in the development of your capstone project.

For a list of standards and constraints commonly used in today’s industrial practice you are encouraged to review the seminar’s presentation held on the subject.