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**EG1004 Introduction to Engineering & Design**

**Housing and Innovation in Revit (HIR)**

**Preliminary Design Investigation**

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(Project Title)

**Team Members:**

1. **Introduction**
   1. Purpose *What is the purpose of this design proposal? What are you trying to solve?*
   2. Problem Statement *Requirements and limitations for this project*
   3. Company Profile *Introduce your company and yourselves. Why are you fit for this job?*
   4. Goals *What do you hope to accomplish by creating this project? What will you gain?*
2. **Resources**
   1. Software Requirements *Languages, IDEs, libraries, Revit, etc.*
   2. Cost Estimate *Excel table with columns: description, unit price, quantity for each item*
3. **Procedures**
   1. Architectural Design *What approach are you taking to design your building?*
   2. LEED Accreditation *How will you fulfill the LEED categories/subcategories?*
   3. Design Schedule *Microsoft Project Gantt chart; resources, progress line, allocation of tasks*
4. **Conclusion**
   1. Challenges *What problems do you expect to run into along the way? How do you plan to solve them?*