Journeyman International: Virunga Coffee Co-Op in Rwanda, Africa

Abstract: This project-based senior project is an interdisciplinary collaboration between students from the College of Architecture and Environmental Design at Cal Poly San Luis Obispo and a non-profit organization, Journeyman International. The goal of this collaborative effort is to build a coffee cooperative per the request of Empowering Villages, an organization with the mission of empowering rural parts of eastern Africa with socio-economic development solutions. The project will include a community center, restroom, warehouse, and welcome center. The students from the Architecture, Architectural Engineering, and Construction Management programs designed the project and created its associated preconstruction package. The preconstruction package includes the following: conceptual estimate, construction schedule, phasing plan, site logistics plan, hazard and risk mitigation plan, safety plan, stormwater pollution prevention plan, soil analysis, site utilities analysis, feasibility analysis, and scope analysis.

Phases

Phase I: Site Work, Community Center, and Restroom
Phase II: Warehouse
Phase III: Welcome Center

Deliverables

- Conceptual Estimate
- Construction Schedule
- Phasing Plan
- Site Logistics Plan
- Hazard and Risk Mitigation Plan
- Safety plan
- Stormwater Pollution Prevention Plan
- Soil Analysis
- Site Utilities Analysis
- Feasibility Analysis
- Scope Analysis

Phases Duration (Months)

- Phase I: 3 months
- Phase II: 4 months
- Phase III: 5 months

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