

UBC Social Ecological Economic Development Studies (SEEDS) Student Report

UBC Farm Harvest Hut Waste Redirection Site: Build Process

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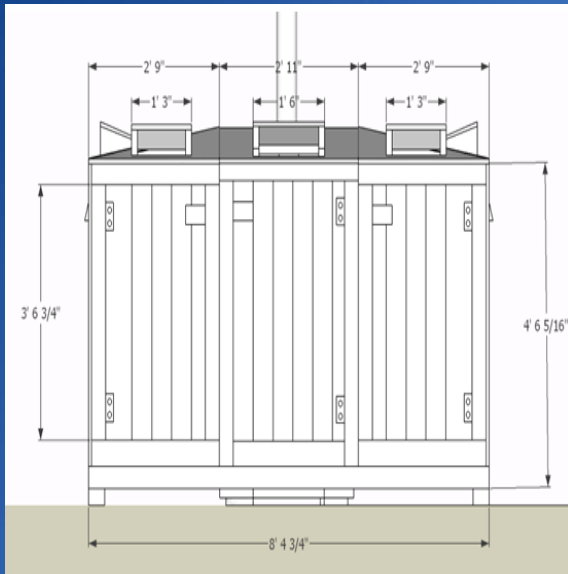
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CSL Project: Harvest Hut Waste Redirection Site (SEEDS/ UBC Farm)



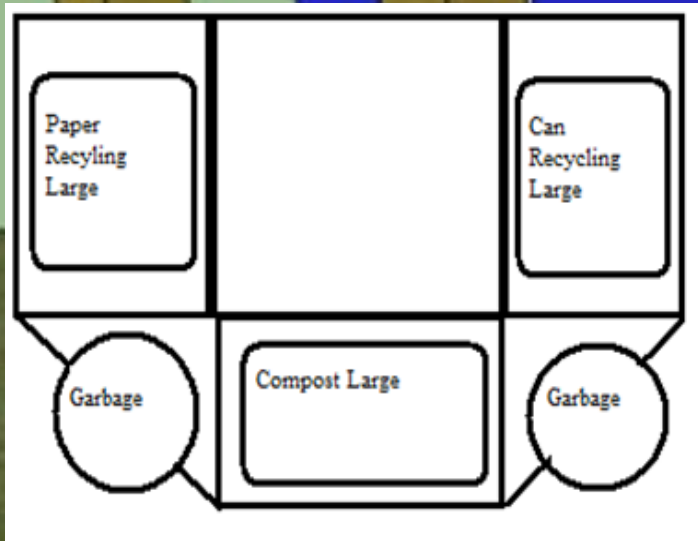
Team Members:

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The Problem

- UBC Farm hosts a Farm Market every Saturday during growing season
- The area around the Harvest Hut becomes messy with litter and it is aesthetically unappealing
- UBC Farm wanted a set of units/containers that would:
 1. Create an organized environment
 2. Separate recycling, compost and trash
 3. Make it easy for the trash collectors to remove the waste

The Conceptual Design Process



- Our team came up with three conceptual designs consisting of fixed and portable units
- The background photo was one of our fixed conceptual designs
- A meeting with our client led us to prioritize portability and aesthetics in the decision process
- We also had to consider how to place the units around a wooden post, as seen in the adjacent plan
- By weighing out the objectives and constraints, we modified our designs

The Final Design

- This is the final 3D rendering of our containers
- It consists of 5 portable units that can be taken apart
- The outside of the structure is lined with cedar
- The roof is slanted and covered with weather resistant material to prevent rotting
- The chute on the roof has a wooden flap to prevent squirrels from getting to the trash
- It creates an organized environment and is aesthetically appealing

The Build

- Our team finished building the project on March 5th 2011, at a total construction period of four days

DAY ONE: We constructed the base for each container, as seen in this picture, and assembled the frames for 2 containers

DAY TWO: We finished assembling all the frames, cut the roof pieces, began nailing in the cedar exterior, and started constructing the doors

DAY FOUR: We nailed the containers in place, covered the roof with weather resistant material, and added appropriate signage

DAY THREE: We finished the cedar exterior, connected the doors and assembled all the chutes on the containers

The Finished Product

- The project was completed on March 5th
- The weatherproof design is aesthetically appealing
- The area seems less messy now and the portable containers have met all of our client's expectations and needs
- The units are easy to use
- There is more than enough room for waste collectors to get the containers out

Thank You!

