

Project Deliverable I

2 Lined Summary:

Our group is creating a draft building plan that houses the guardian program of the Algonquins of Pikwakanagan. The guardian program monitors the environment of their territory, so it's essential to have a lab, loading dock, open spaces, and multiple amenities, with the building inspired by culture and sustainability.

Pamphlets:

Why us?

Benchmarking

We were able to carefully select the greatest unique components of each building and blend them into one by investigating other relevant buildings.

Our Subsystems

Subsystems

The lab, kitchenette, boardroom, loading dock, walk-in freezer workspace, offices, and bathrooms are among our primary subsystems.

Benefits

- 40-70% Reduction in pollution
- Promote sustainability

Design Features

Our building has big open areas that can be used for social and cultural activities. There is a large firepit and seating area that is surrounded by the building and visible through most windows. The lab is easily accessible from the loading dock for the analysis of any samples.

Cost Breakdown

| | |
|------------|--------|
| Building | \$1.7m |
| Furnitures | \$110k |
| Total | \$1.8m |

Size

Bar chart comparing sizes of uOttawa STEM, AOPFN Building, and Algonquin College. The y-axis ranges from 0 to 20,000. The AOPFN Building is the largest, followed by Algonquin College, and uOttawa STEM is the smallest.

Background

Problem

A need exists for the Algonquins of Pikwakanagan First Nation (AOPFN) to express their culture with a building involving offices, a parking lot, a lab to analyse local samples and community space for cultural activities.

Objective

Create a building integrated with nature, incorporating renewable and efficient elements into its design.

Solutions

A variety of strategies were used to meet our objective. To limit electricity use, the building has an abundance of windows. The architecture is also loaded with Algonquin culture with countless plants and living walls.

Get Info

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uottawa.ca/contact

AOPFN Building

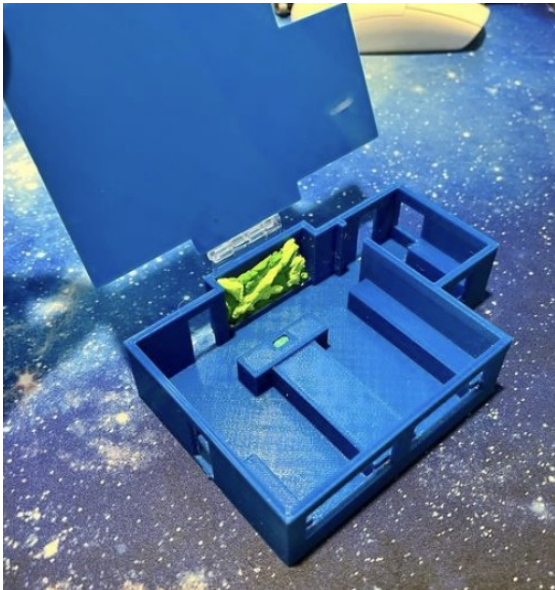
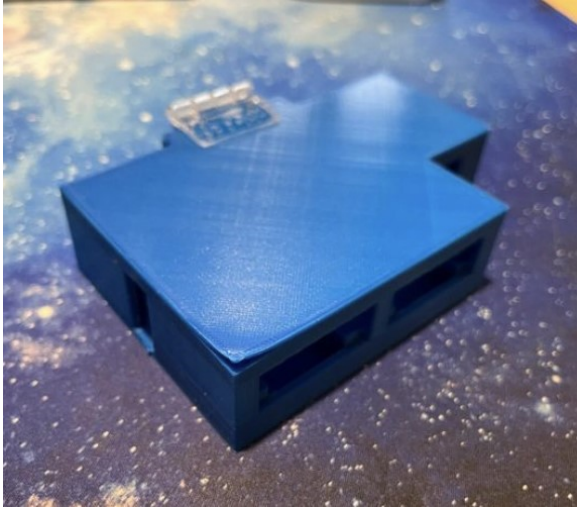
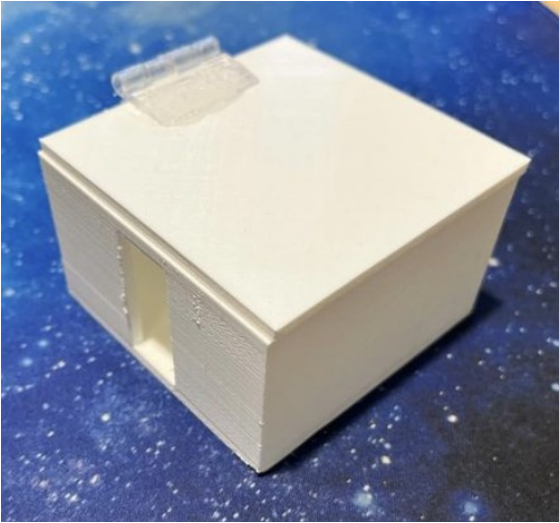
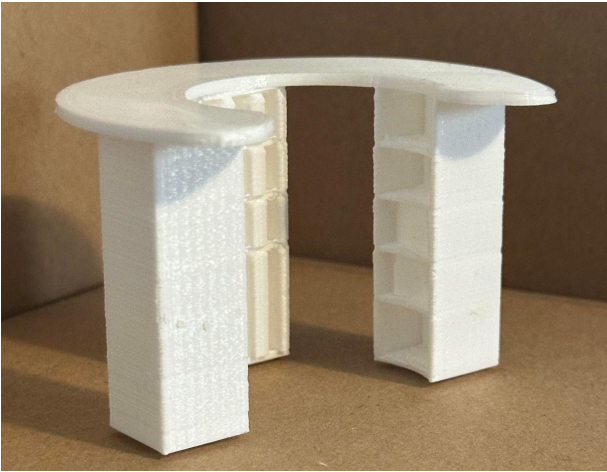
Make it a Reality

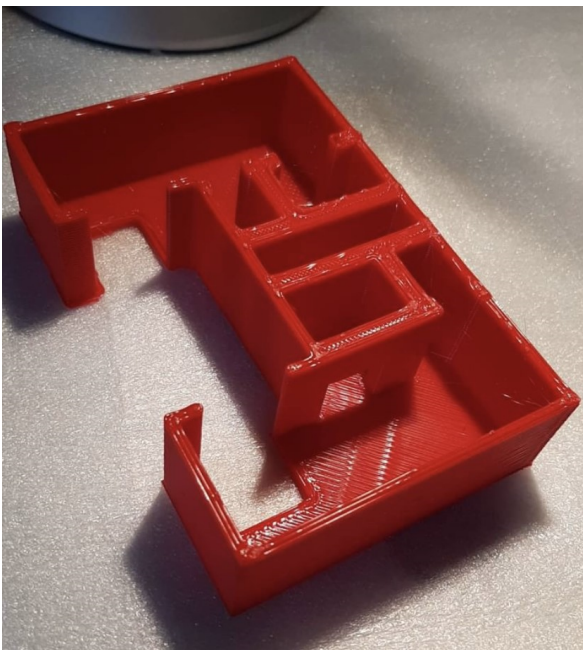
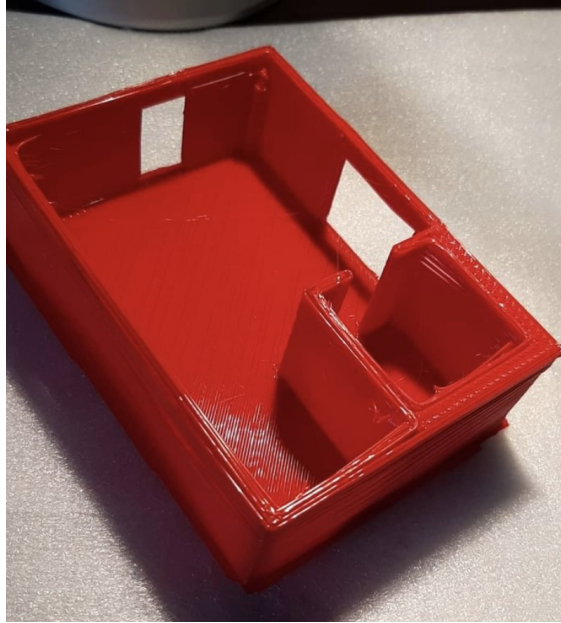
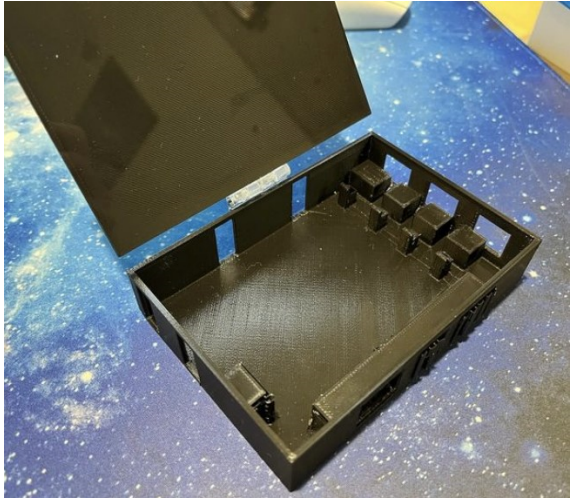
Want to have a virtual tour of the building? Scan the QR Code with any device!

QR Code

Images: AOPFN Building logo, a photograph of the building exterior, and a circular inset image showing a courtyard area with trees and a building.

3D Models:





Virtual Tour Link:

https://panorama.homestyler.com/v2?m=np&id=vqhcVc9FjfxFYAtw1nhffv&locale=en_US

Poster Board (Will be different on design day):

