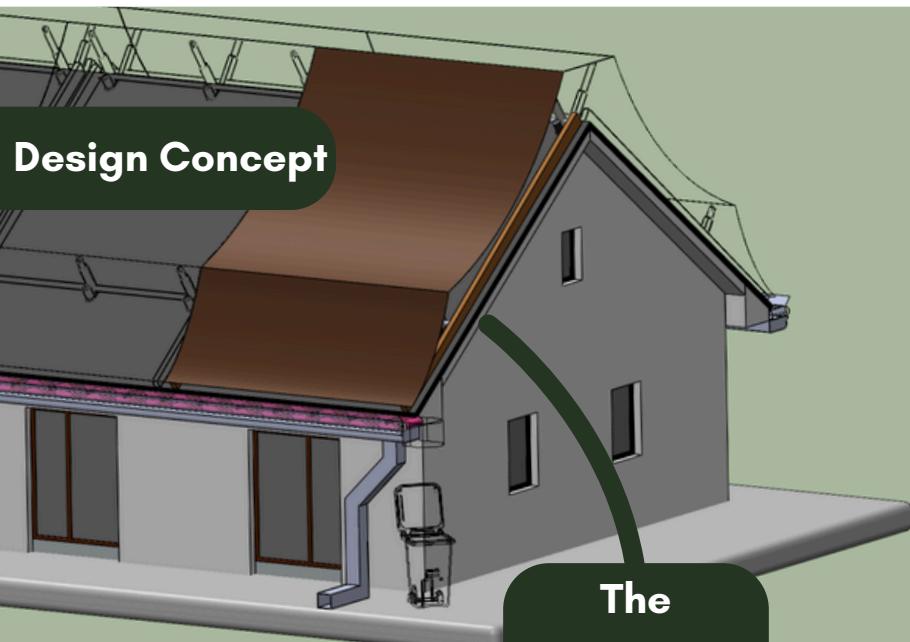
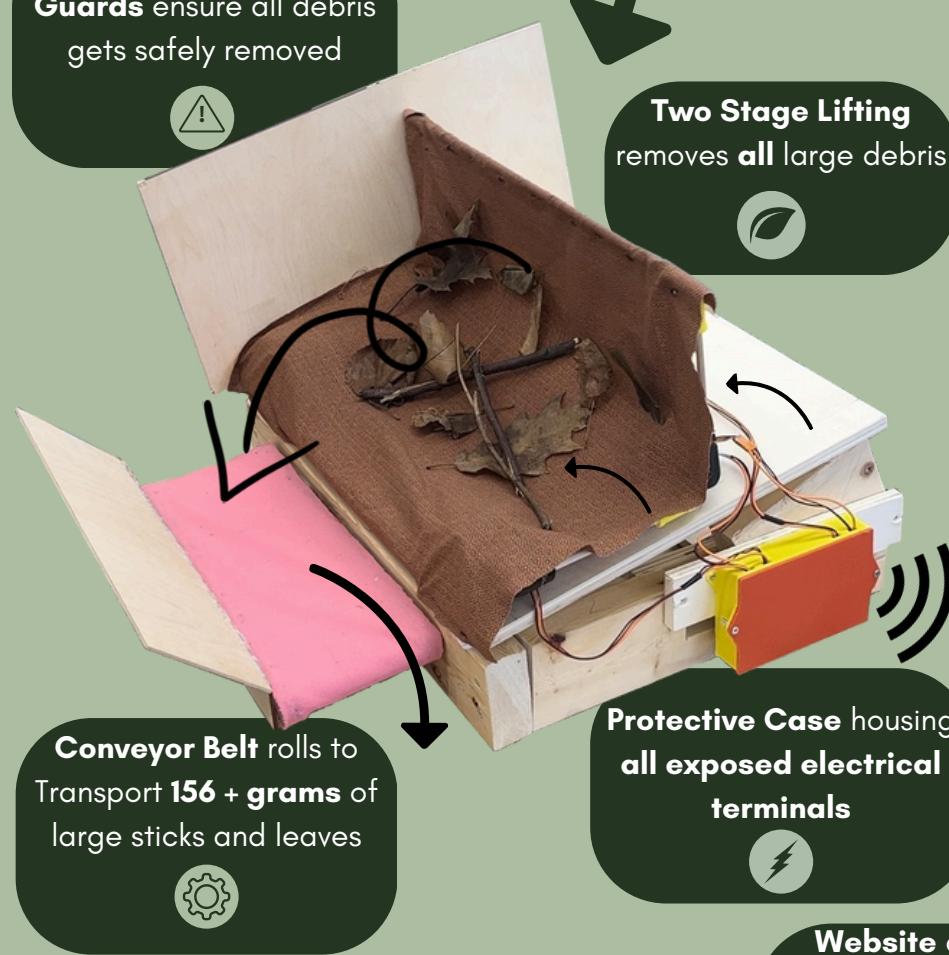


# Ember Lift Prototype



## Design Concept

### The Prototype



**Conveyor Belt** rolls to Transport **156 + grams** of large sticks and leaves



**Protective Case** housing all exposed electrical terminals



**Two Stage Lifting** removes **all** large debris



**Tarp and Conveyor Guards** ensure all debris gets safely removed



## Opportunity

Embers and sparks from forest fires can ignite rooftop debris.

Remote high-risk communities in BC require a device that's easy to operate in removing debris.



## Key Prototype Specifications

- All Debris should be Removed and Collected on Conveyor
- Cleaning Start Signal Given by a Timer and CLEAN Button
- Organize and Secure Electrical Components
- Debris is Safely Transported Without Falling off the Roof
- Conveyor Holds and Transports Large Debris



**Website and Timer System** wirelessly start and stop device, with users navigating it in **under 15 seconds**

