Fall 2019
Background: Green Roof Bus Stop
There are a few different locations on campus that lack a bus stop structure. The university's goal with a bus stop structure is to not only provide students protection from the elements, but to also provide a visual cue for bus drivers. However, a typical bus stop does not meet any sort of sustainable goals. A green roof bus stop eliminates storm water runoff and also provides a habitat for pollinators, which meets two of the university's goals. A green roof bus stop is also visually appealing and contributes to overall urban biodiversity.

What is a green roof?
A green roof is a roof covered in vegetation. They reduce stormwater runoff, support the well-being of bees, and reduce the heat island effect.

Concept
- Extensive Green Roof
- 4’ x 8’ x 8’ (6” square posts)
- Powder Coated Black
- 6” Lip around Roof for Green Roof Elements
- Eliminates 20 gallons of water runoff in a 1 inch storm event

Spring 2020
Background: Green Roof
College of Veterinary Medicine Building
This semester Nick Doran and I began looking into options for green infrastructure on campus. We came across the College of Veterinary Medicine Building, which had an accessible patio area on a paver system. This outdoor area was often overlooked and we believed it would be a great area to place a green roof. We researched the feasibility of this and were working on a green fee proposal when on campus classes were halted. Nick Doran will continue in green infrastructure efforts on campus throughout 2020-2021.

Concept
- Extensive Green Roof on a paver system
- Path throughout the roof for accessibility
- Seating options
- Eliminates over 1,000 gallons of water runoff in a 1 inch storm event