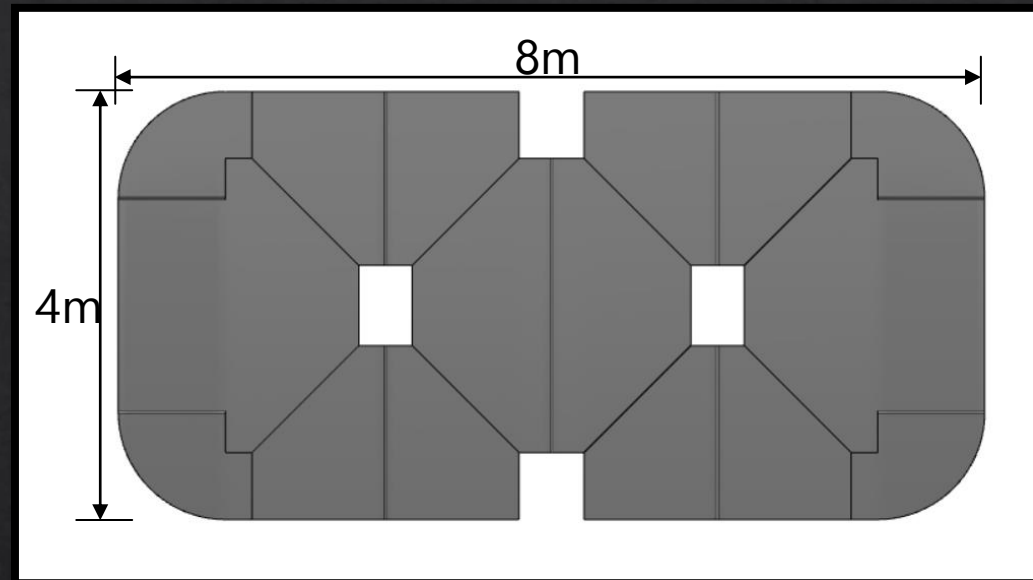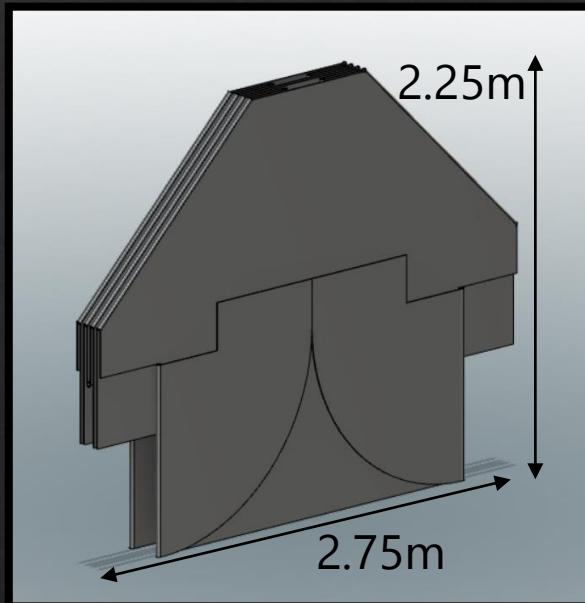# Project Vestia

PI: Jackson Schuler

Problem: Create a system to augment Inflatable Habitat Modules (IHM) that will:
- Provide a stable surface for operation
- Be able to collapse with the IHM
- Be able to fit the Launch Vehicle Parameters
  - (SpaceX Starship)

Solution: Utilize origami techniques to create a foldable floor system that is able to:
- Support several tons on the Martian surface
- Folds within a 3 meter diameter space
- With current specifications, a single Starship Launch can carry 10 times the Habitable Volume of the ISS