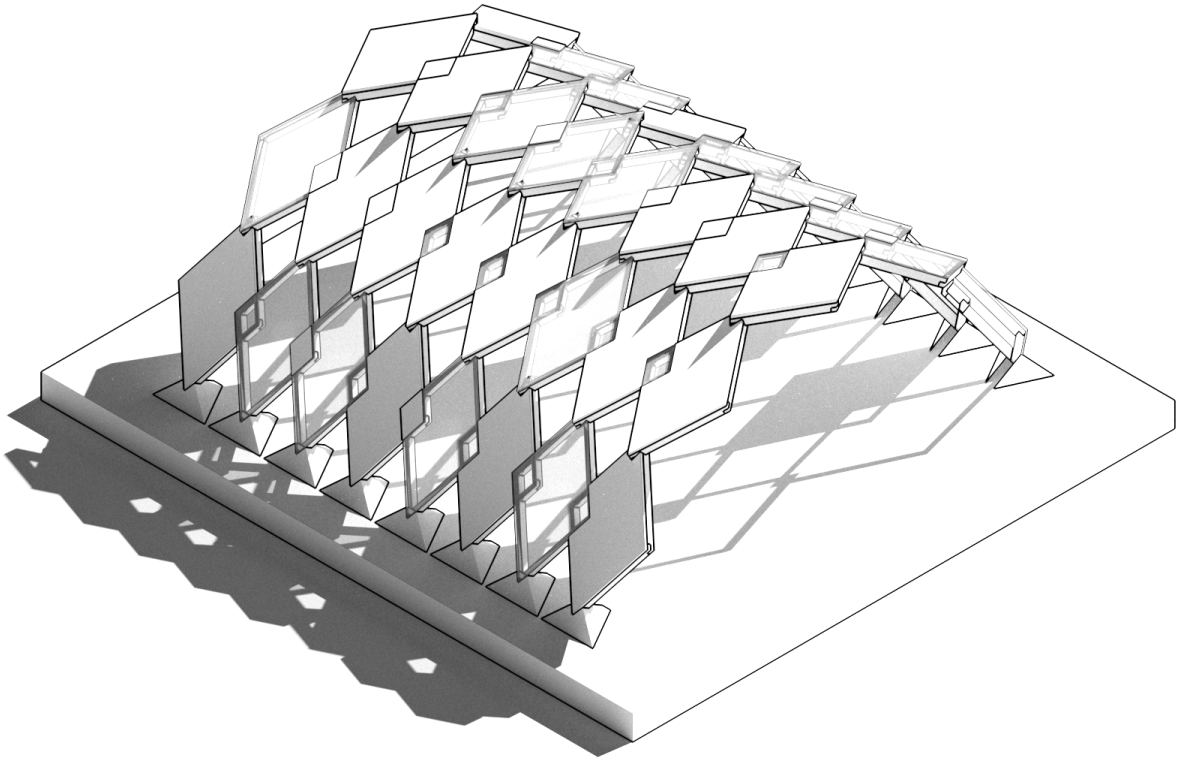
Brian Lee



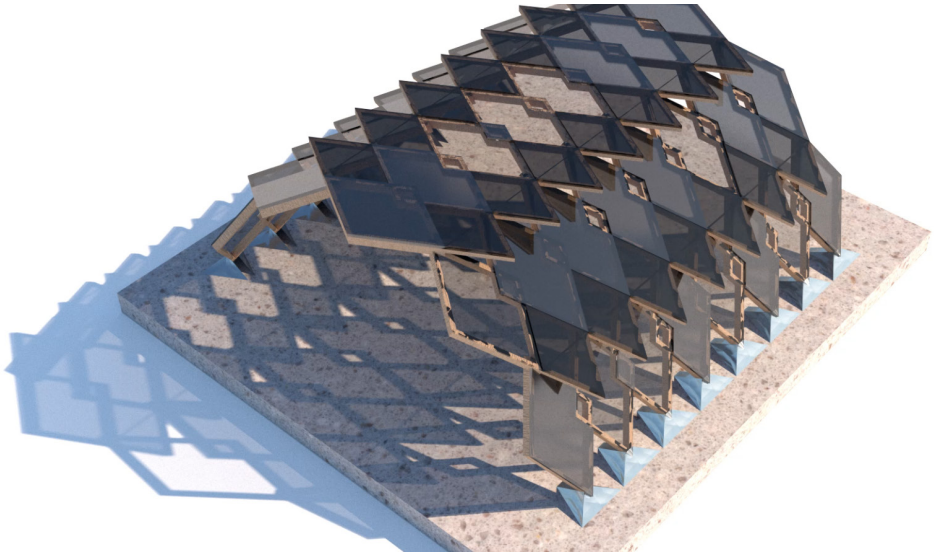
Diamond Pavilion - ARC380

Worked With Tami Ayeye

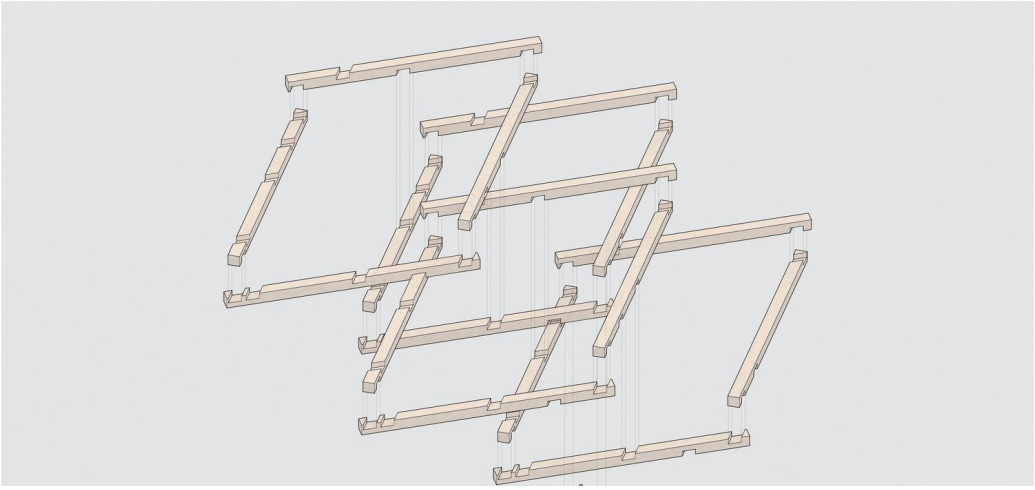
This project was about working with timber and designing tectinic timber structured system. After using Wind Eaves pavilion as a case study, Tami and I designed this pavilion consists of diamond shaped braces that each have specifically designed joints.

The intention behind this design is to develop and manifest a new way of designing tectonic timber structure that holds the potential to be sustainable and to be helpful for the environmental.

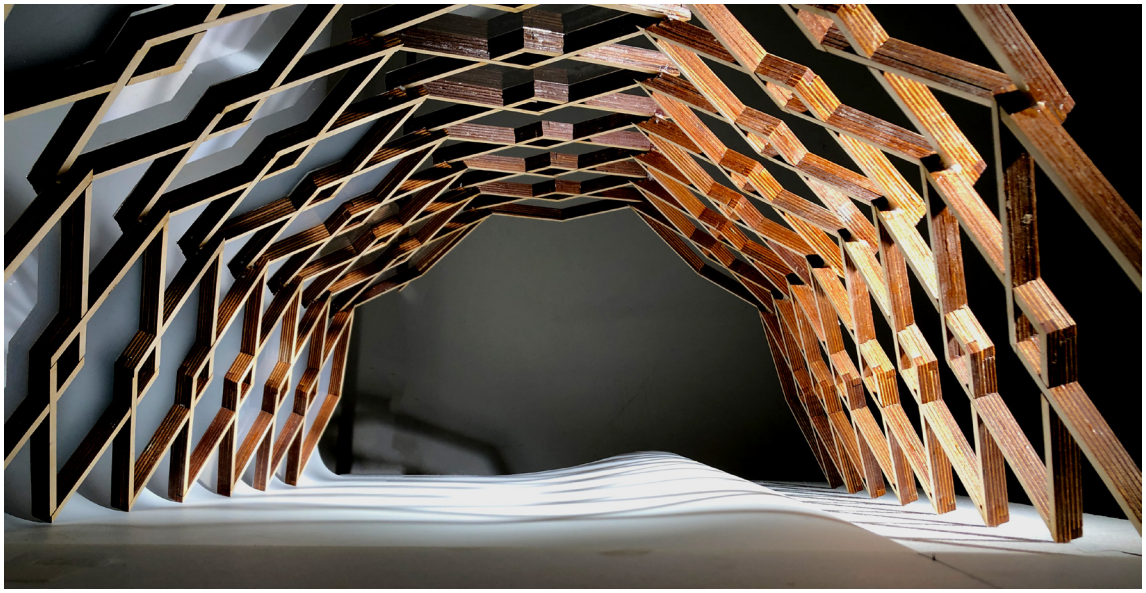
Next two pages demonstrates the logic and the mechanism behind the pavilion, and the capabilities it holds when built in person.



Render: to show the mechanism of the pavilion joints and how each pieces are able to hold itself together.



Structure drawing 2: a close-up of how the diamond pavilion's each frames are connected to each other.



Model picture lateral: made with laser cutter plywood with white glue and super glue.
Scale 1:10

Model picture longitudinal: cladding made with laser cutter plexiglass and gray spray paint.
Scale 1:10