

# DESIGN BUILD: PEACE GARDEN PROPOSAL 2: FLOATING CLOUD

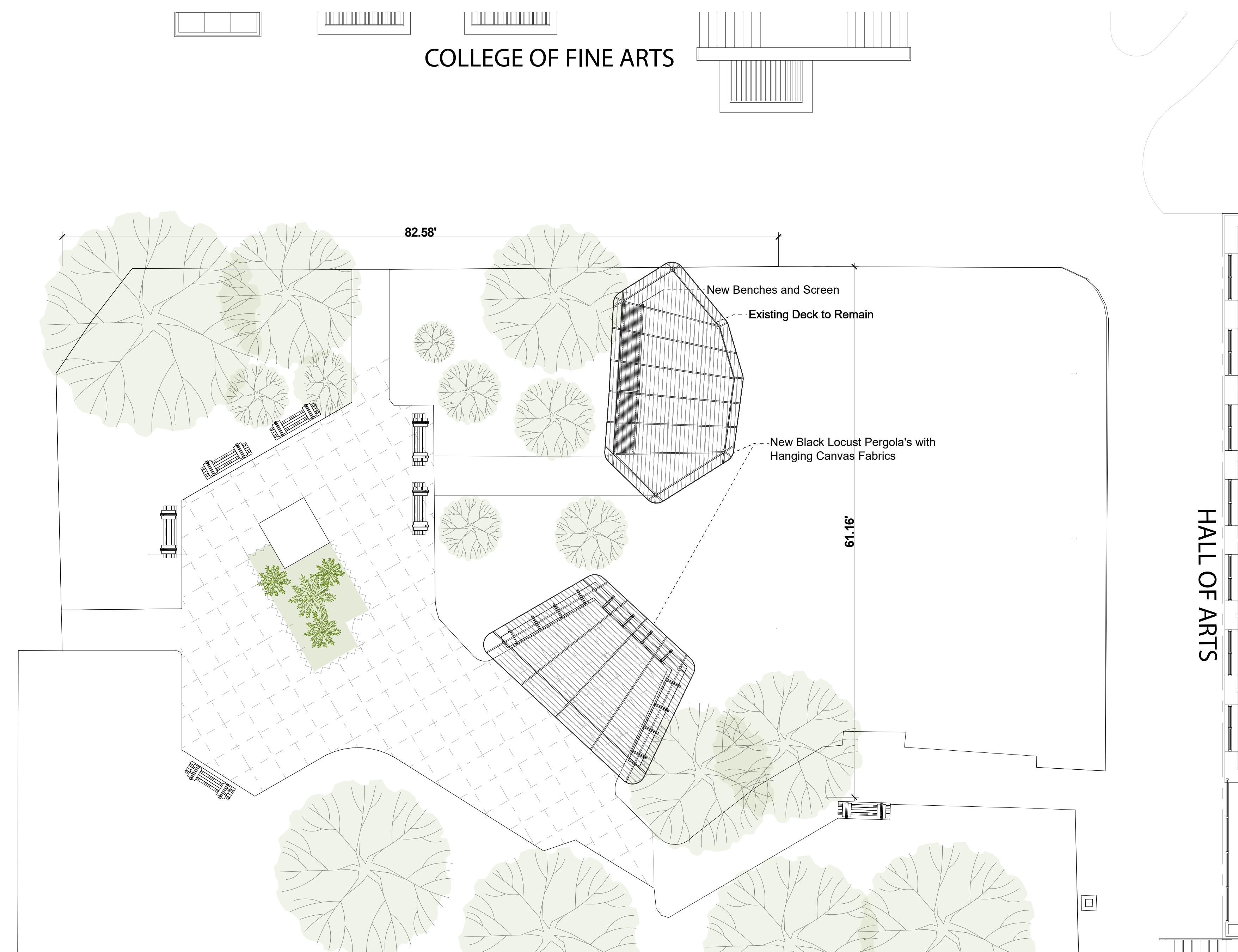
Eesha Nagpal, Quishi Chen, Esha Shah, Ken Huang, & Pretish Anjikar

**Project Brief:** Inspired by the musicians playing on the deck, we wanted to create a space that would allow for performances and events to happen. Making the deck the focal point, we propose two wooden pergola structures with canvas hanging from them directing people's attention to the stage/deck. The canvases were inspired by Barbouni a restaurant on the beach, Part of the Costa Navarino Resort, Navarino Dunes designed by K-STUDIO as seen in the image on the right. The waterproof canvases would create a unique auditory environment, along with acting as a natural shading. Given the need for more seating we wanted to build the benches that were intended in the last design build underneath the cone-shaped pergola that faces the deck to create shade and covering. Likewise we wanted to add seating to the deck so we propose an undulating screen that attaches to the deck and will include two new benches and then is attached to the pergola structure. The structural elements would all be made of black locust, however as displayed below various joint and connection methods would be needed.

We believe that this proposal will make the Peace Garden an even attractive location for students, musicians, staff and the greater Pittsburgh Community to enjoy, as it offers more shading, and seating. Especially, with the varying weather conditions all year, shading and covering is crucial for outdoor spaces.



K-STUDIO Project: Barbouni Interior View



Plan

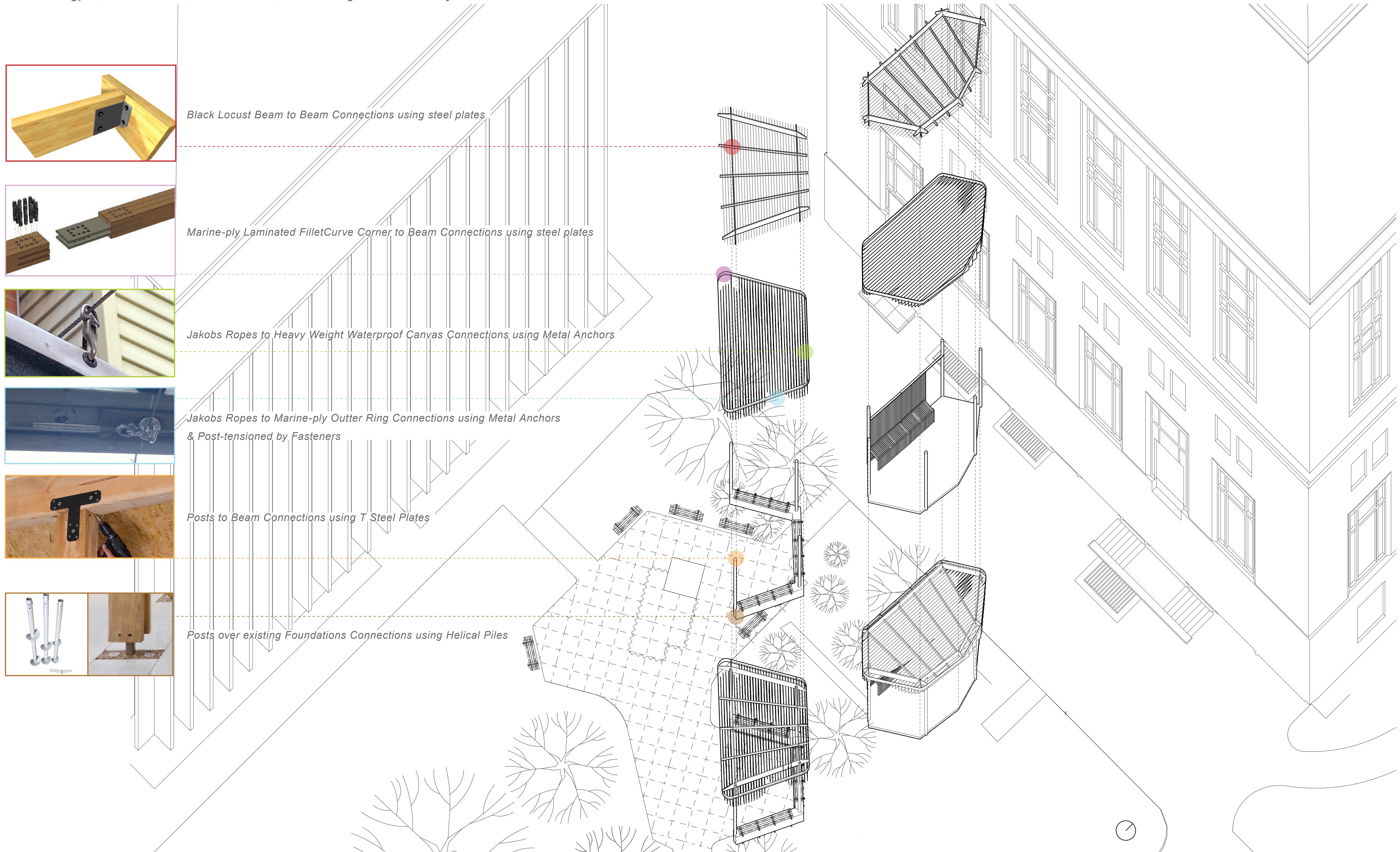


Renders

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South East View of Pergola Structure in Explode Axonometric

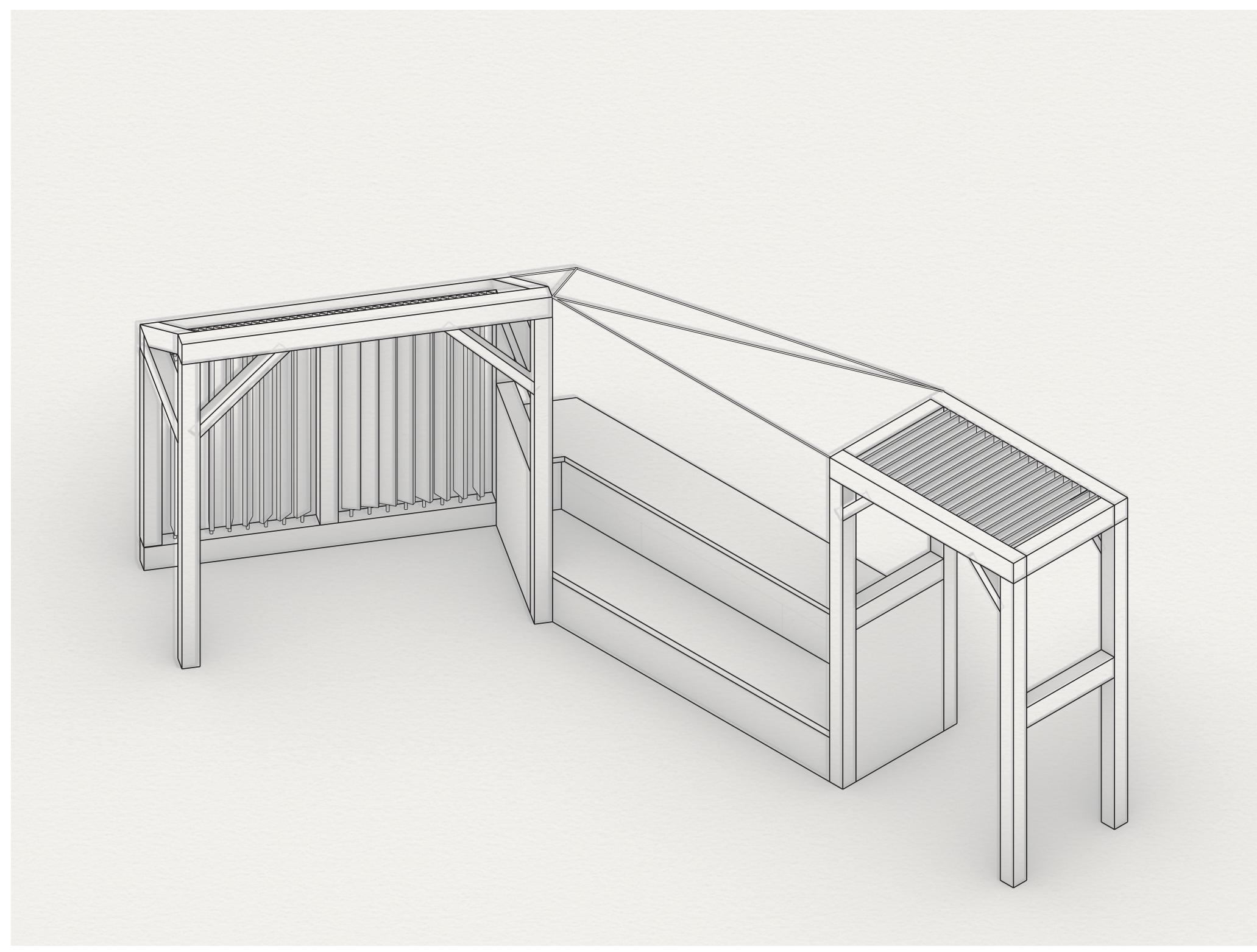
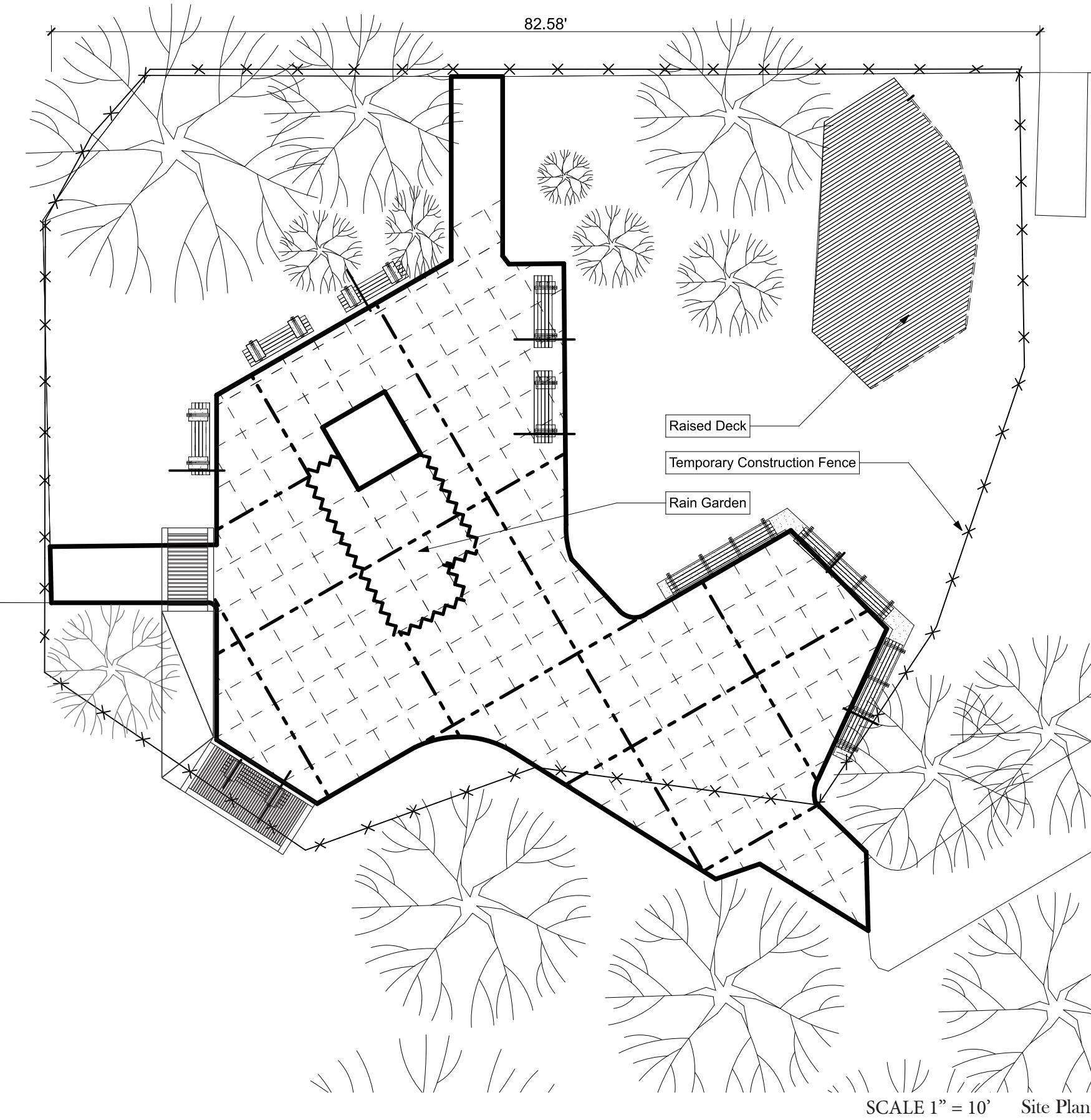


# The Peace Garden Pergola

by Team 6 - David Lyu, Hannah Haytko-DeSalvo, Erin Choi,  
Christian Duckworth, Norman Situ, and Tianshu Huang

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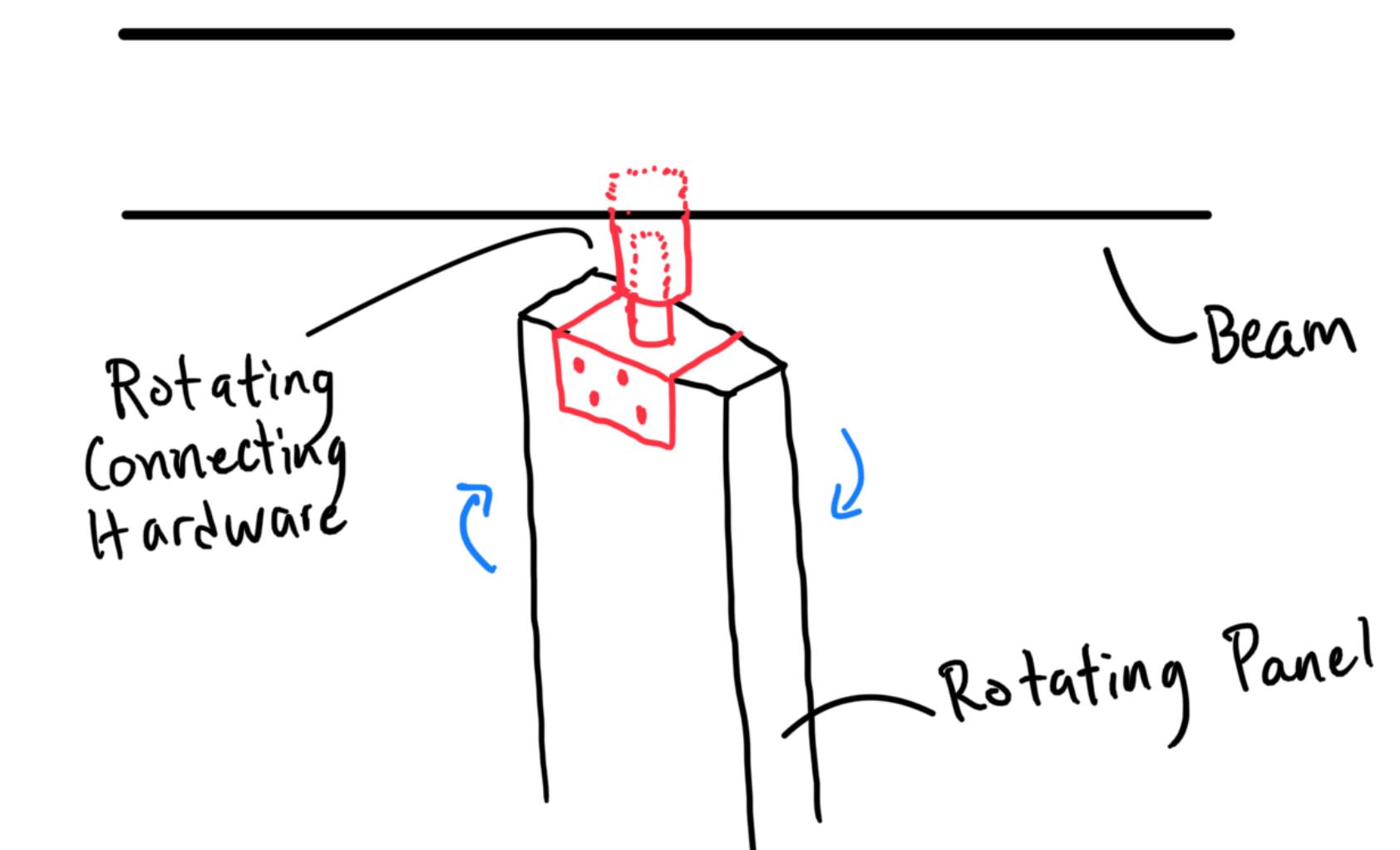


Northeast Perspective View



Perspective View

The design solution benefits more than it accommodates. A high-end structure design with its well considered direction allows the pergola to extract the essence of sunlight under the shadow of CFA and Hunt building. With the implementation of adjustable wooden light shields, the pergola provides a customizable experience for the visitors. The selected horticulture design offers an elevated, natural journey in a reclusive scene. Surrounding by a harmonic combination of wood and crafted vegetation, the pergola will be a beautiful scenery for the visitors.



Rotating Panel Diagram

## Clematis



- suitable for zone 5
- known to be climbers
- plant in spring/fall
- moist, well-drained soil
- repels mosquitoes
- a lot of different species
- doesn't attract a lot of pests
  - aphids and rabbits can be a problem
- two-three years to establish and bloom

## Wintercreeper (Euonymus)

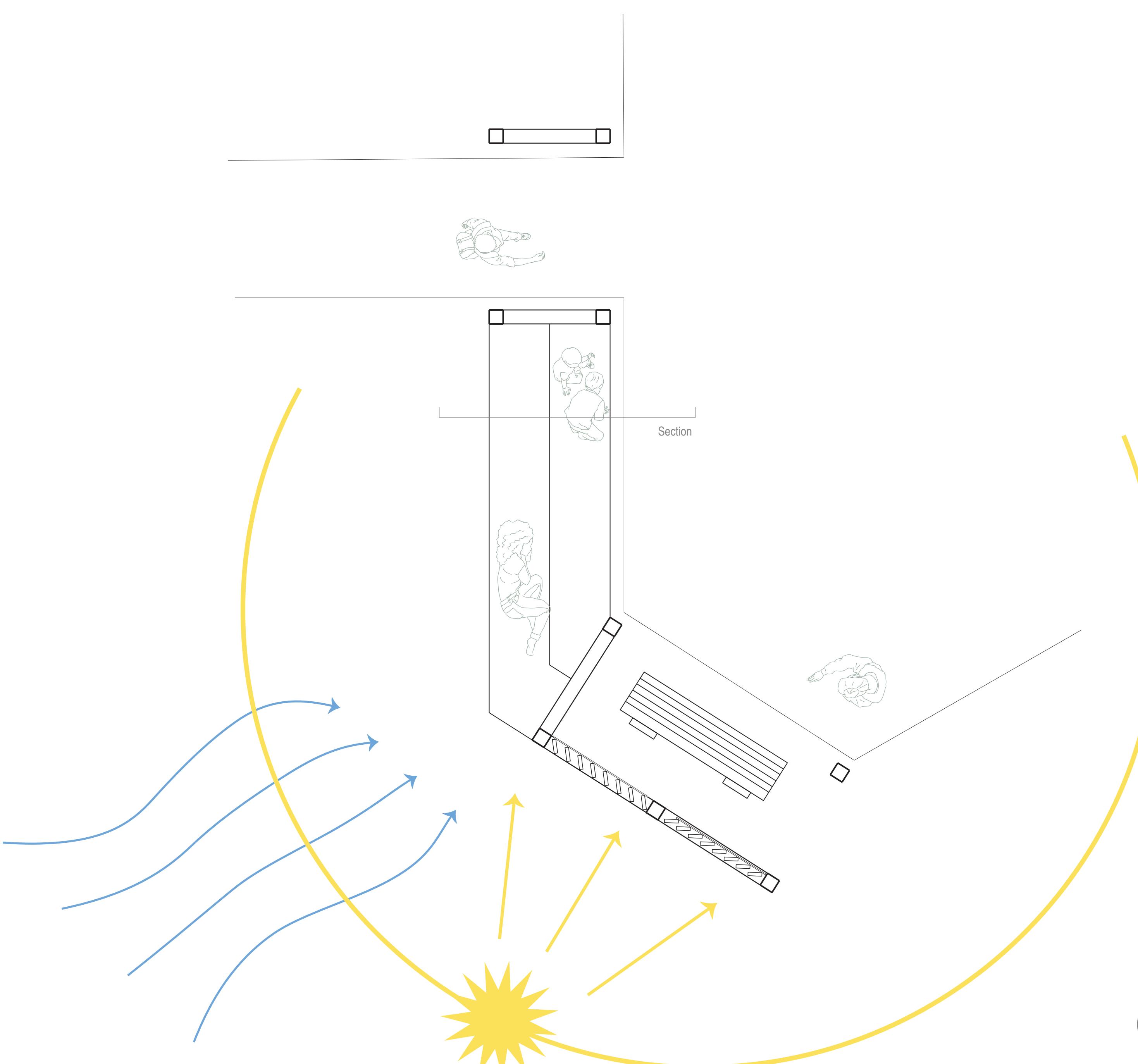


- suitable for zone 5
- very fast-growing
- maintenance is basically just cutting and controlling it
- a lot of articles describe it as aggressive
- biggest pest problem is scales but other than that it seems to not attract a lot of bugs

## Wisteria

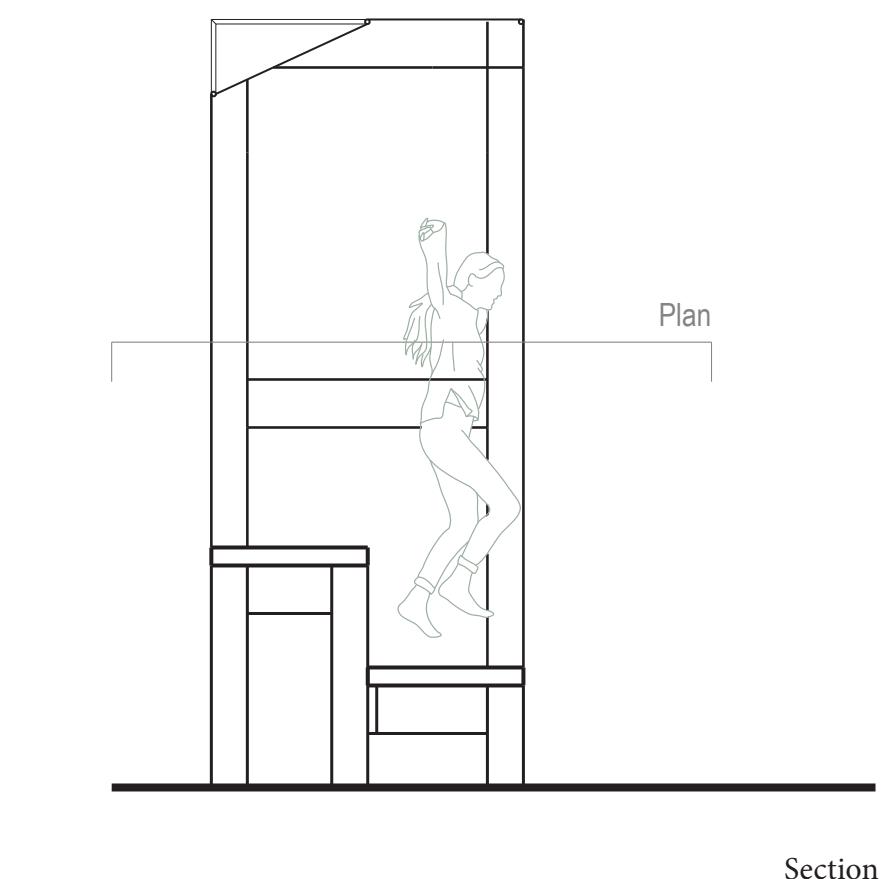


- japanese wisteria is hardier than other types (for zone 4-5)
- american wisteria can also live in zone 5
- plant in the spring or fall
- well-drained, moist soils
- attracts butterflies and bees
- considered toxic- keep away from pets and children
  - animals will stay away tho
- aphids are attracted to wisteria – soapy water keeps them away
  - they have natural predators like ladybugs
- three-five years to establish

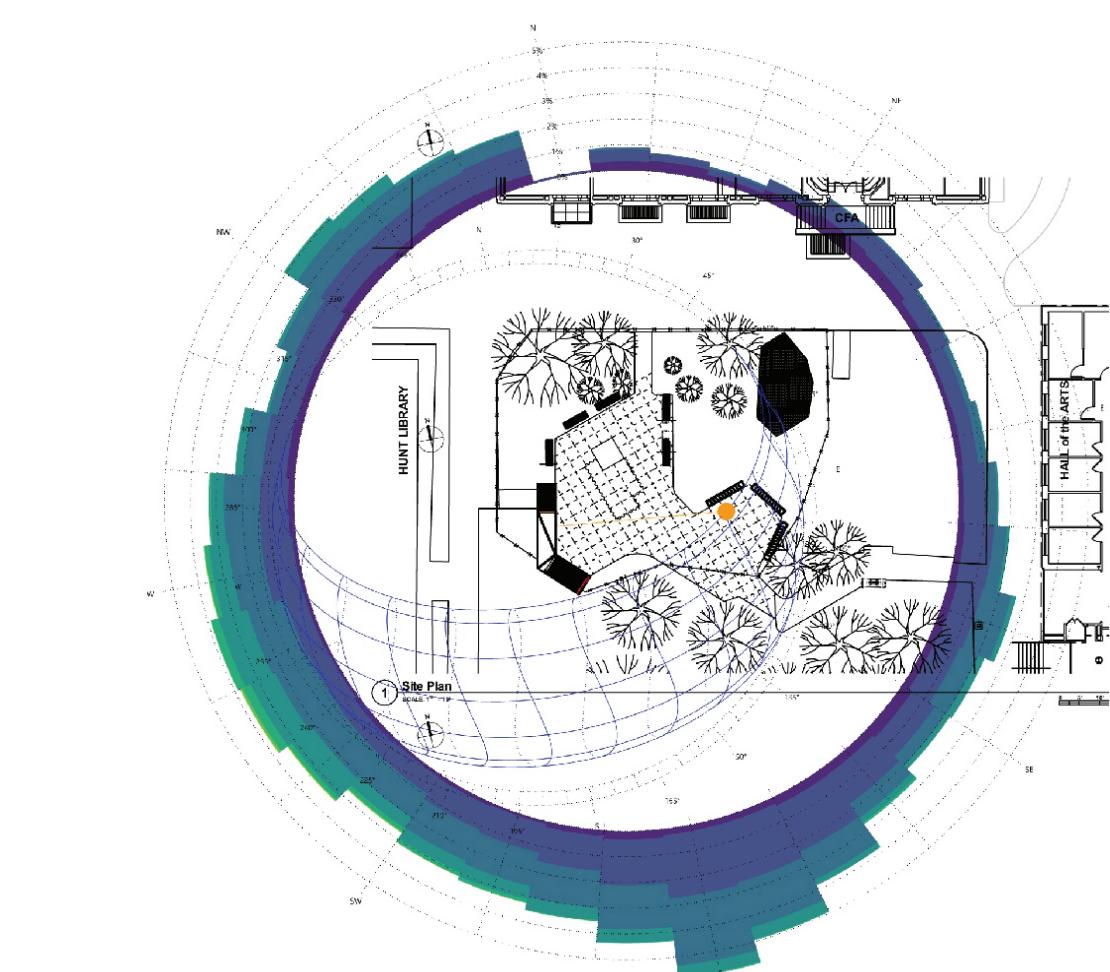
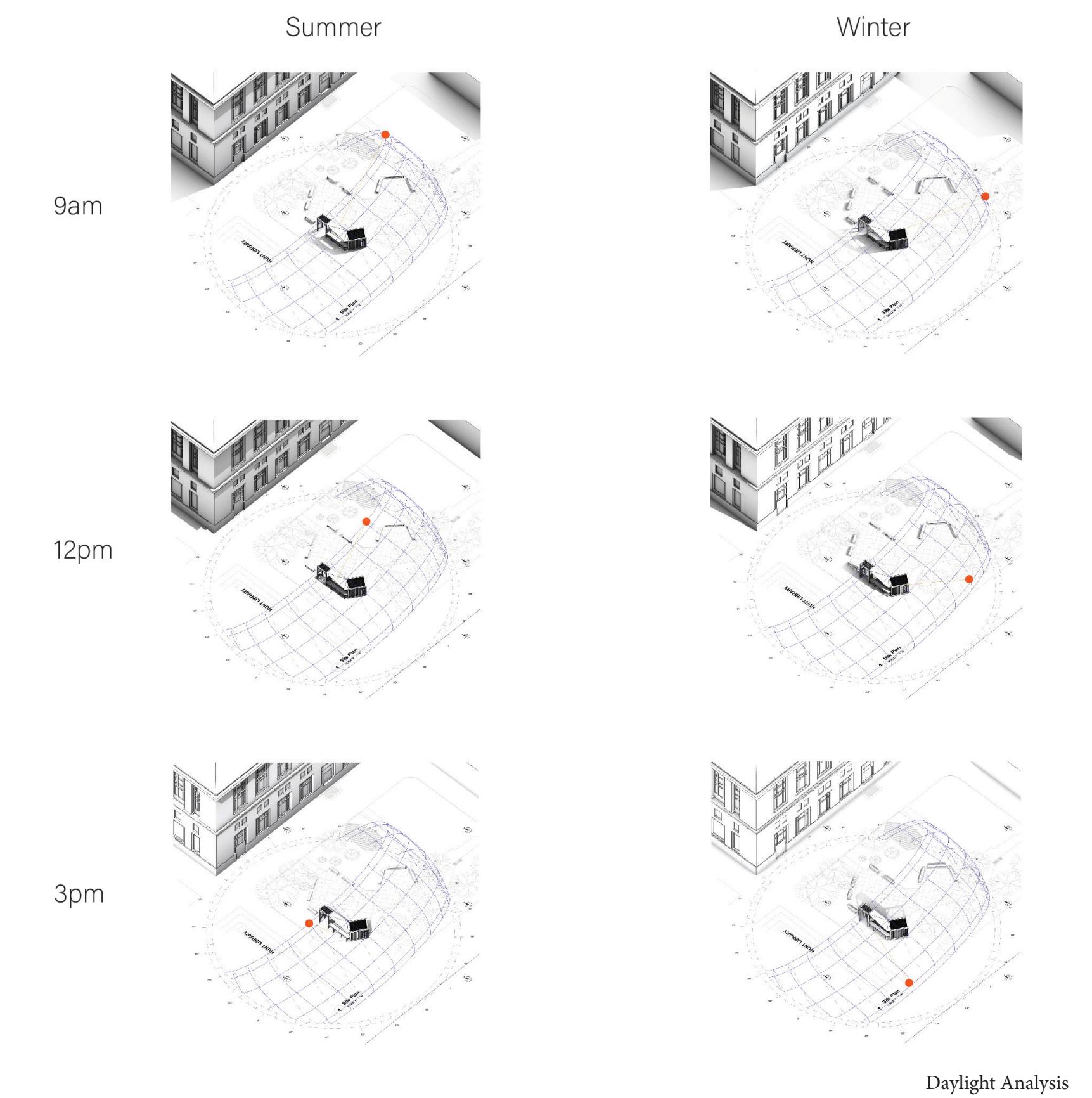


SCALE 3/8" = 1'

Plan



The multi-purpose origin of our design solution makes it stand out among various proposals. According to the sunlight and wind direction, the visitors could adjust the shields behind them to manipulate their experience. The multi-functional grids and sectional seat could transform for different uses: get a relaxation at noon, drink a cup of coffee, or simply talk with instructors about grades. An open space in the middle of the garden also allows a place for community events, such as field trips or painting.



Wind Rose

# the wave

Max Hong, Akanksha Tayal, Jackie Yu, Violet Chu, Aditya Shinn

The intentions of a peace garden revolve around ideas of tranquility, serenity, and nature. In order to heighten these themes, this pergola invites people into this bubble of peace on Carnegie Mellon's campus to seek shade and a place to sit underneath not only the canopy of the trees but also the canopy of the pergola. The slat-like array is intentional in its aggregation to provide shading and shelter. In order to emphasize the serenity that the space offers and provides for people, this design uses wood as its material, using a post beam foundation system helps it appear lightweight, allowing the structure to assimilate with the nature surrounding it.

