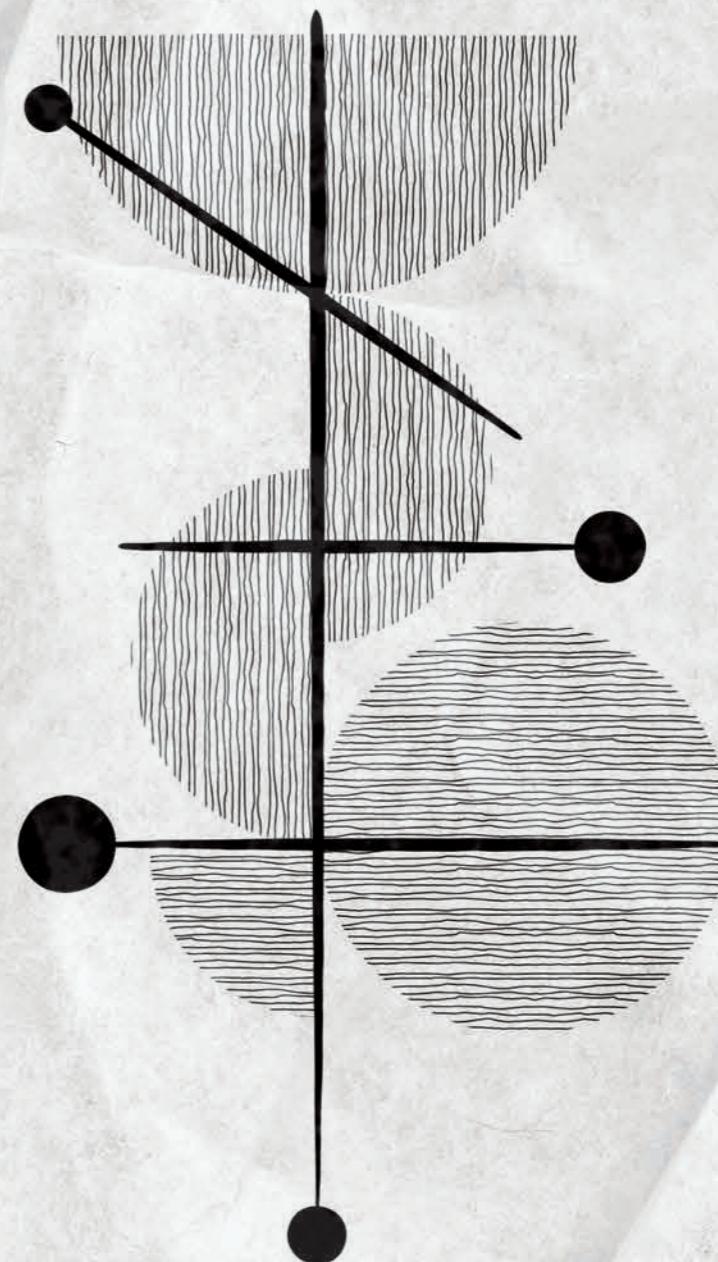


BASMALA RAMZY

Architecture Portfolio Selected Works

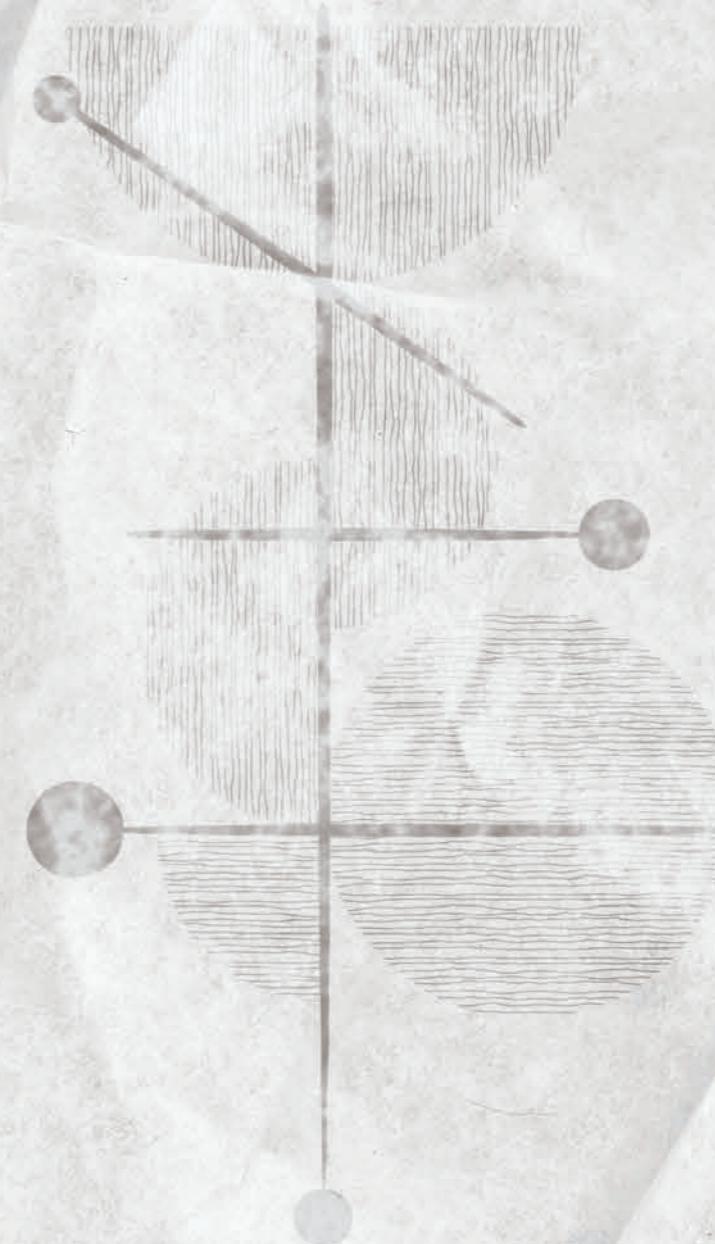
2025



Con- tent

Entertainment Center

Academic:
Architectural
Design
P. 01



Bowling center

Academic:
Architectural
Design
P. 05



Phytoplankton Research hub

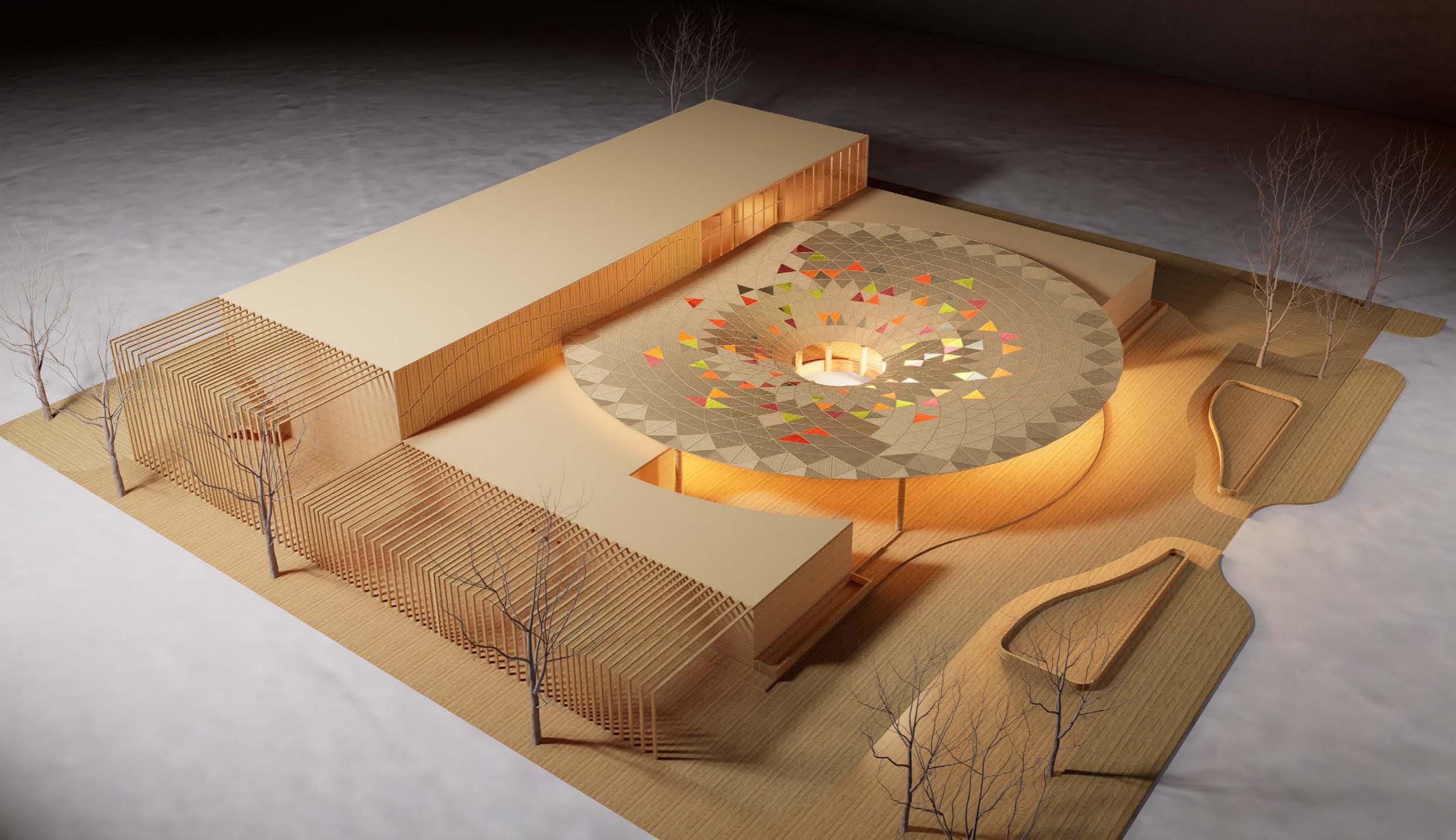
Academic:
Research &
Experimental
P. 09

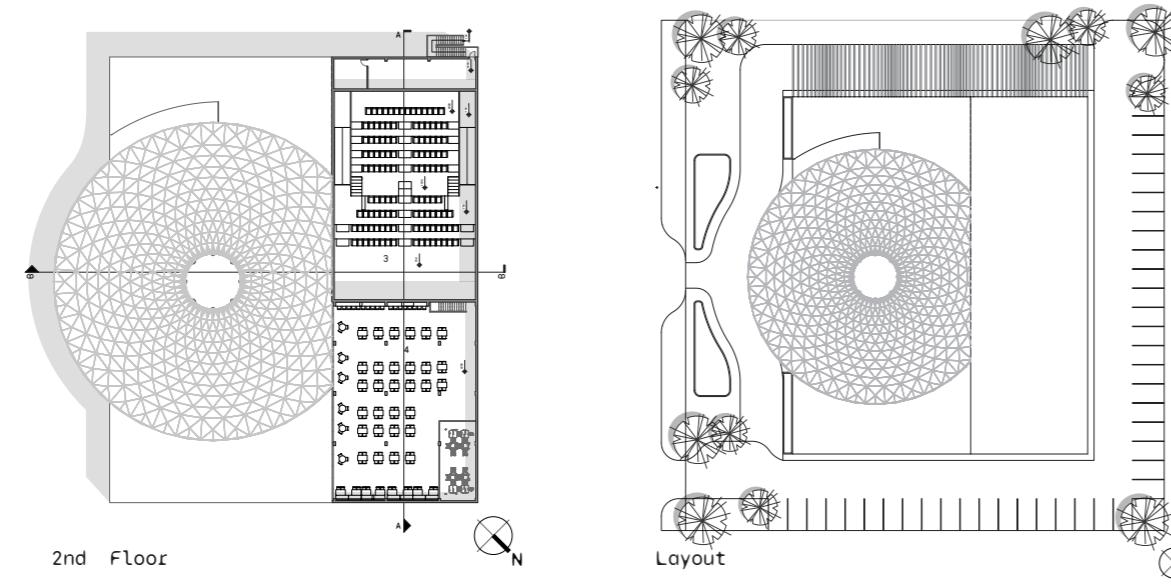
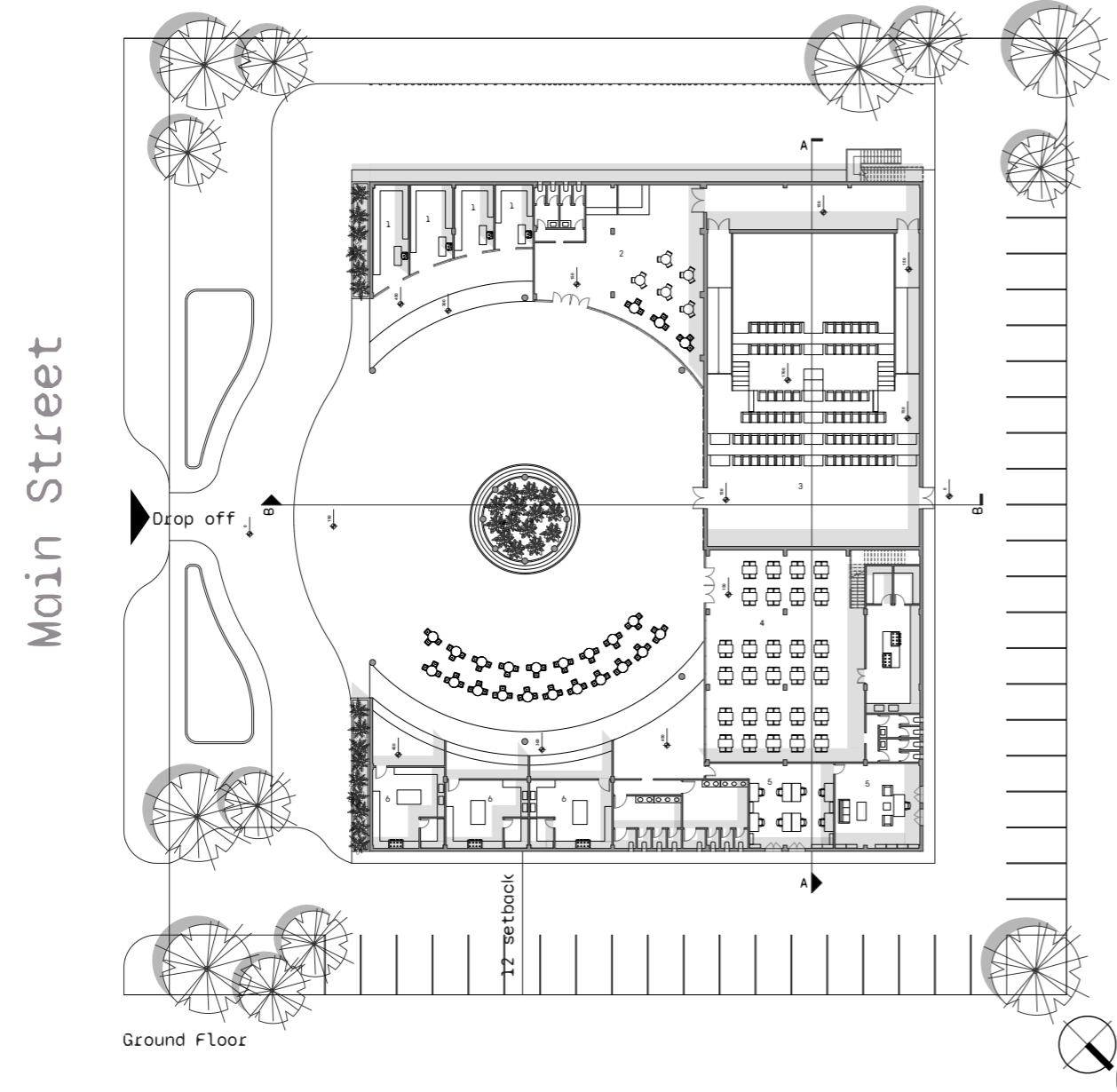
Entertainment Center

Architectural Design Project

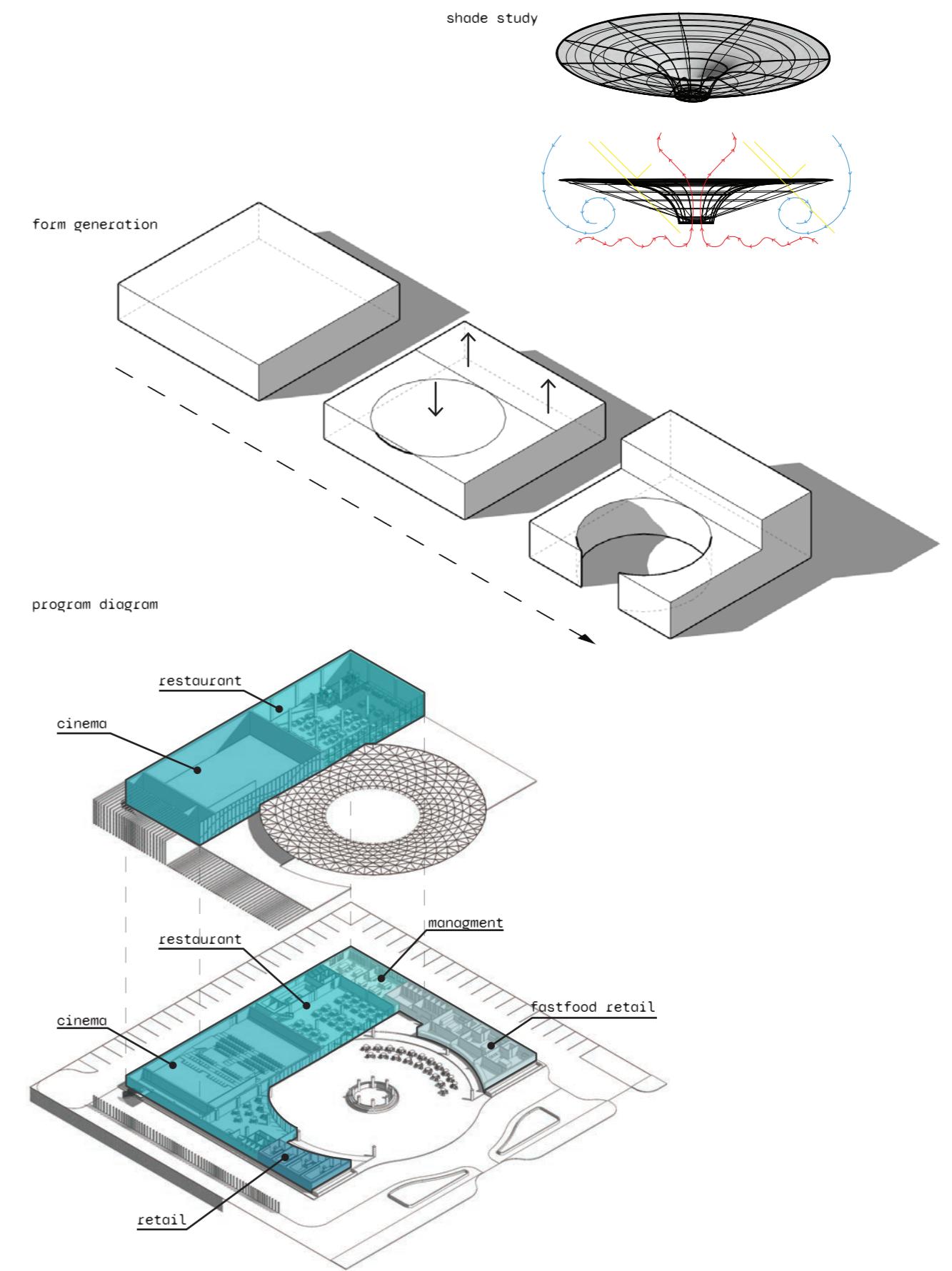
A small-scale entertainment center spanning 2,800 sqm, integrating retail, dining, and cinema experiences. The design prioritizes spatial organization, user experience, and approachability, creating a dynamic social and commercial hub tailored to its urban context.

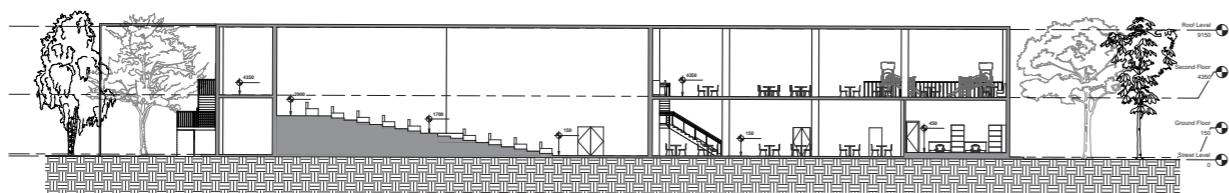




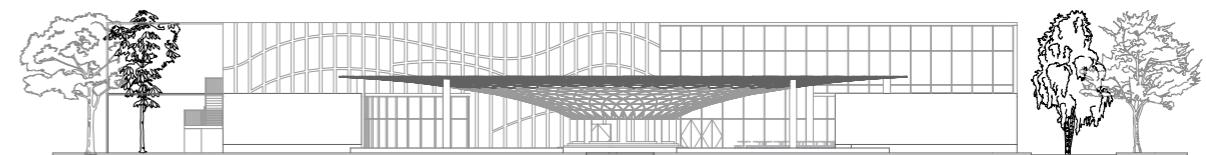


1. retail
2. cinema foyer
3. cinema hall
4. restaurant
5. management
6. fast food retail

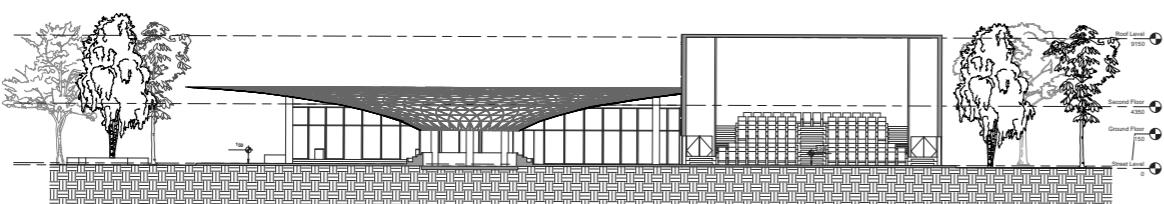




Section B-B



Main Elevation



Section A-A



Side Elevation

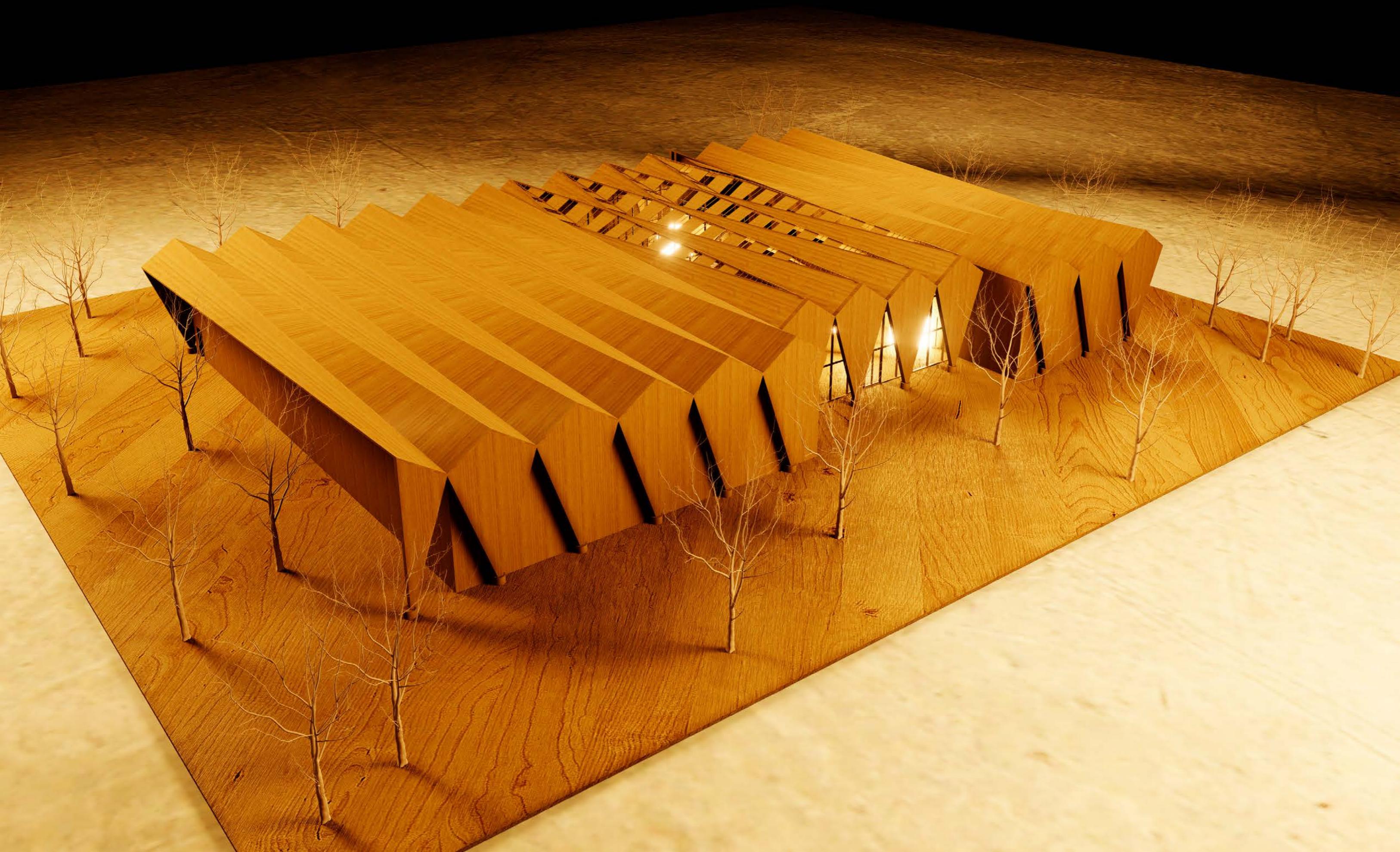


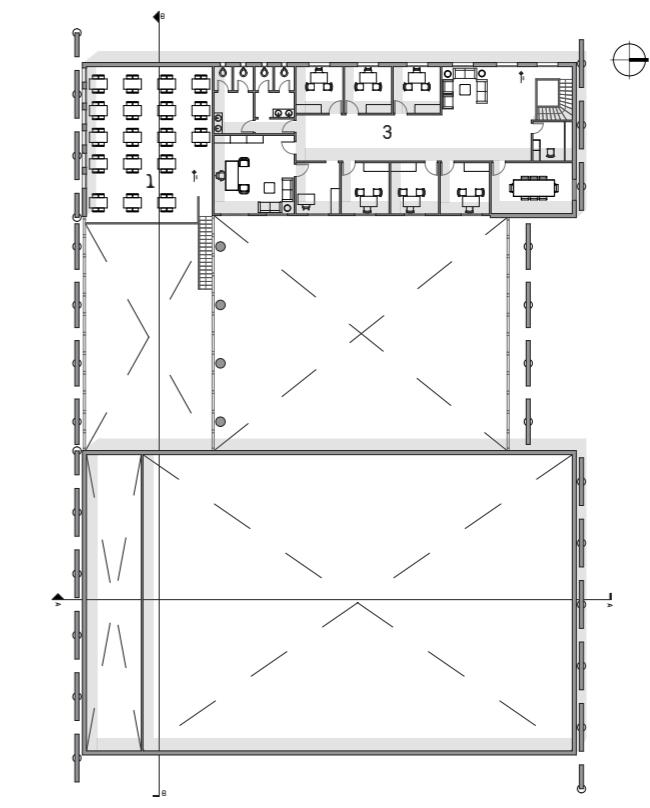
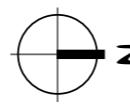
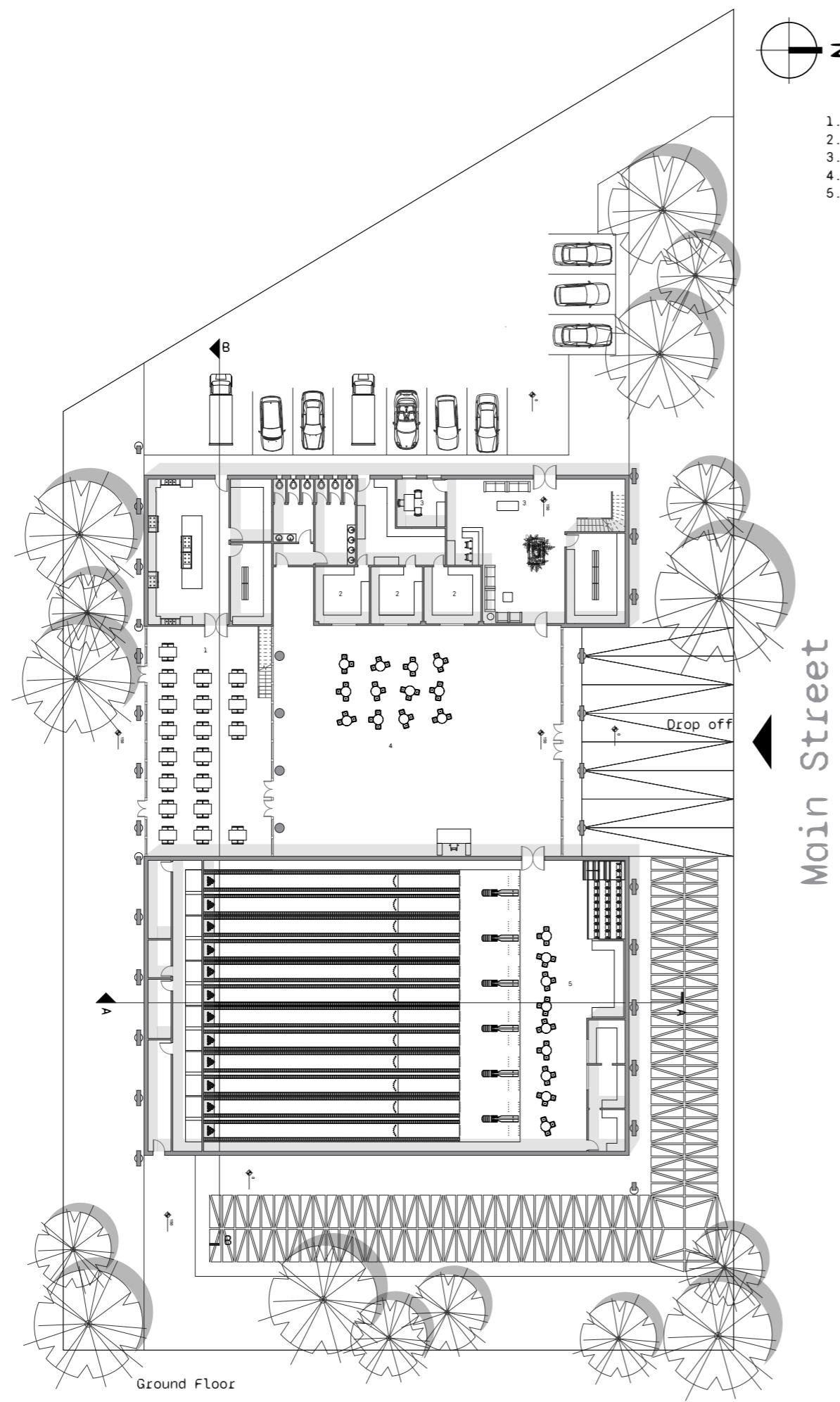
Bowling Center

Architectural Design Project

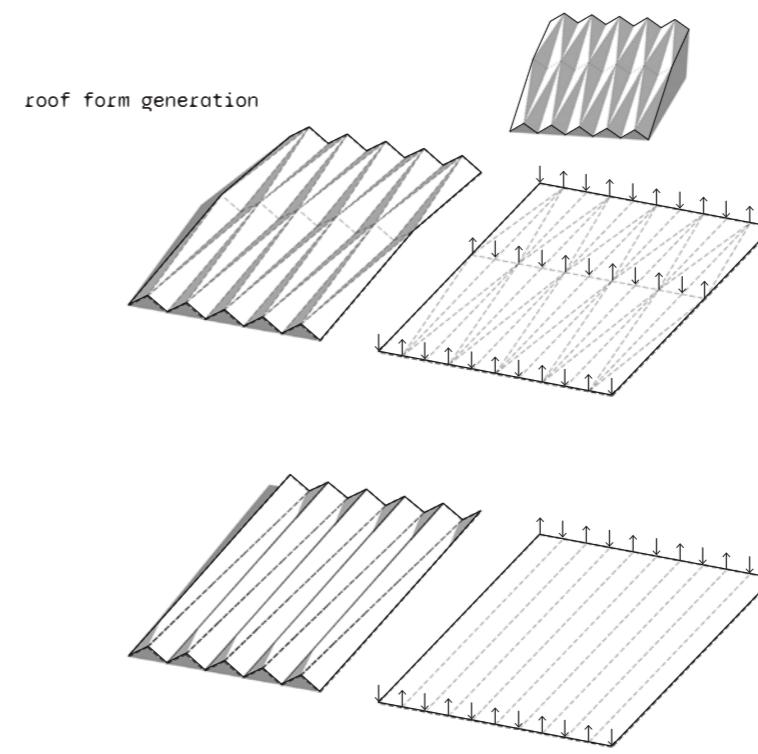
A small-scale bowling center spanning 1,850 sqm, designed for recreation and social interaction. The project features a bowling hall, retail spaces, a restaurant, and management facilities, with a focus on spatial fluidity, functionality, and an inviting user experience.

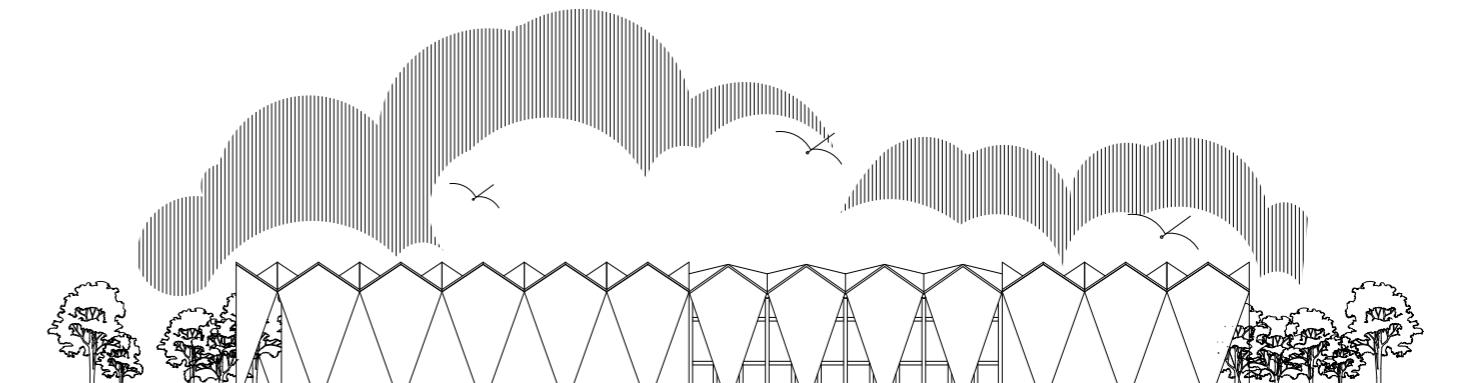
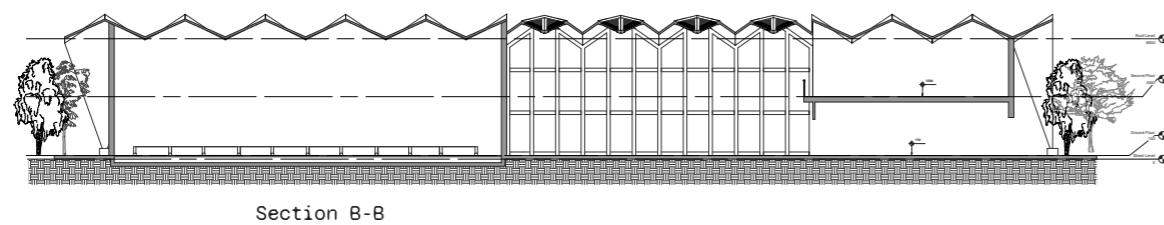
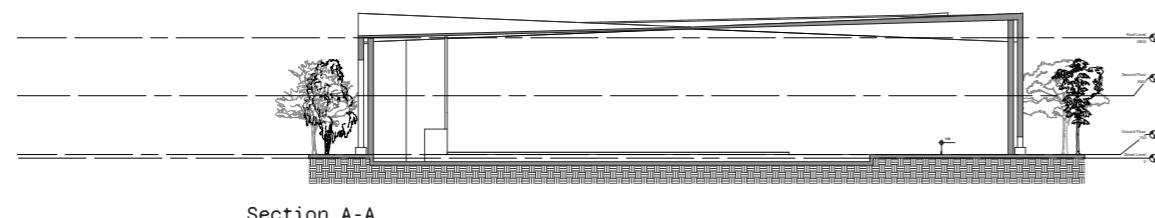






2nd floor





Phytoplankton Research Hub

A Conceptual Architectural Experiment Inspired by Marine Ecosystems.

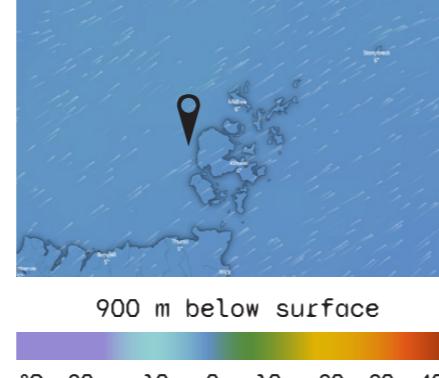
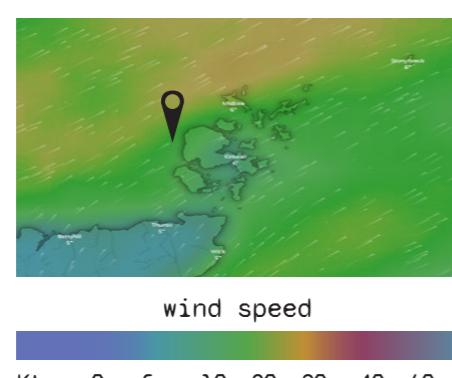
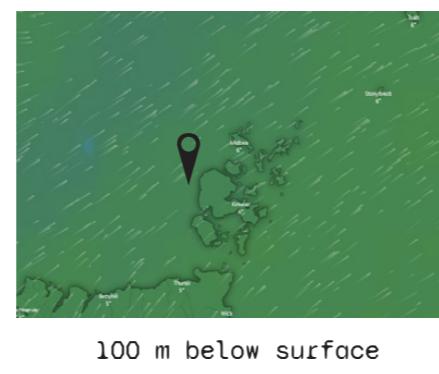
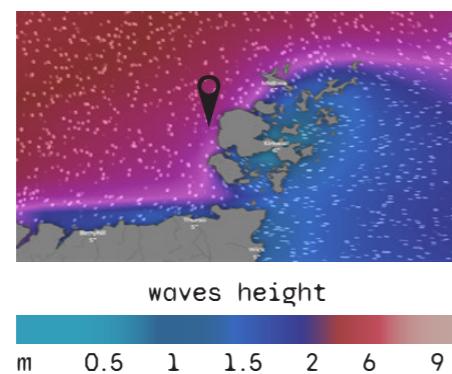
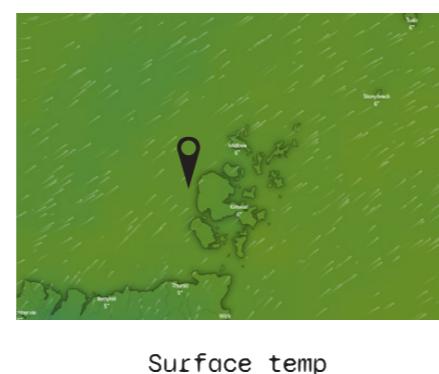
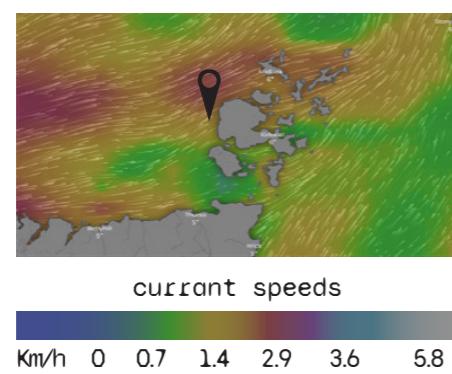
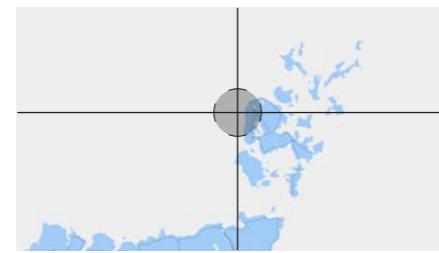
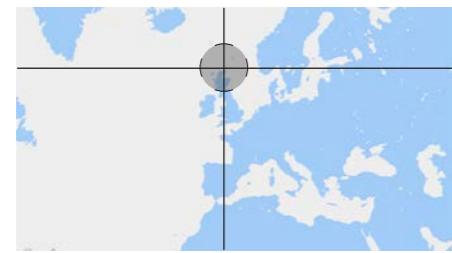
The Phytoplankton Research Hub is an experimental deep-sea structure that investigates phytoplankton's role in CO₂ absorption and oxygen production. Inspired by phytoplankton forms, marine ecosystems, and hydrodynamic principles, it explores sustainable design strategies that harness tidal currents, wind energy, and thermal gradients in extreme ocean environments.



Site & Environmental Context

Orkney Island

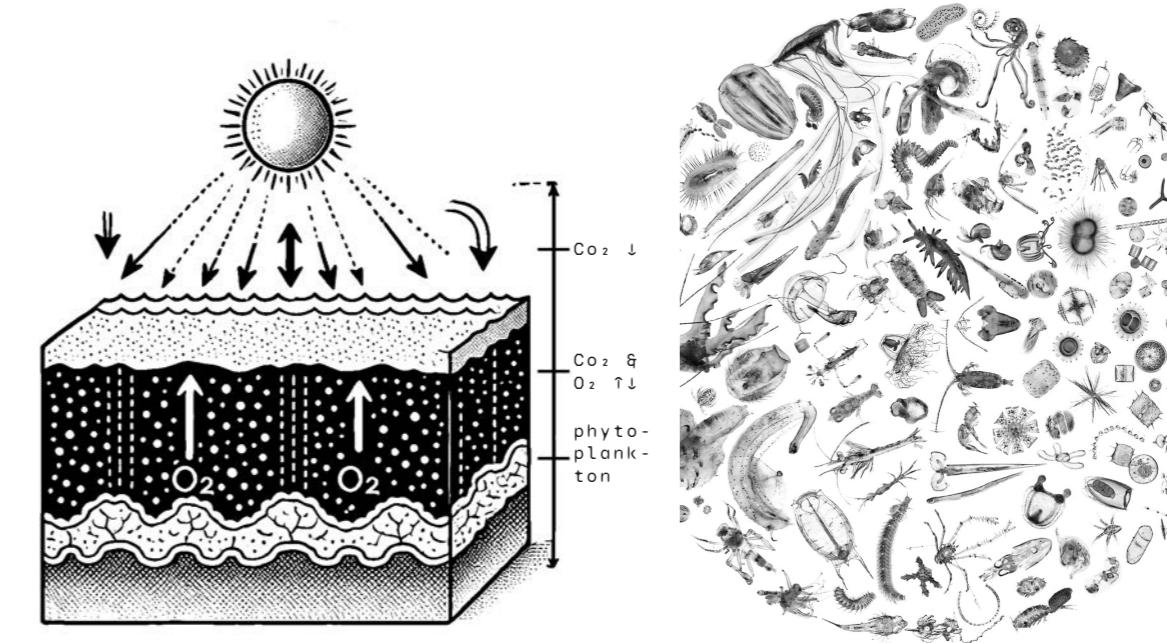
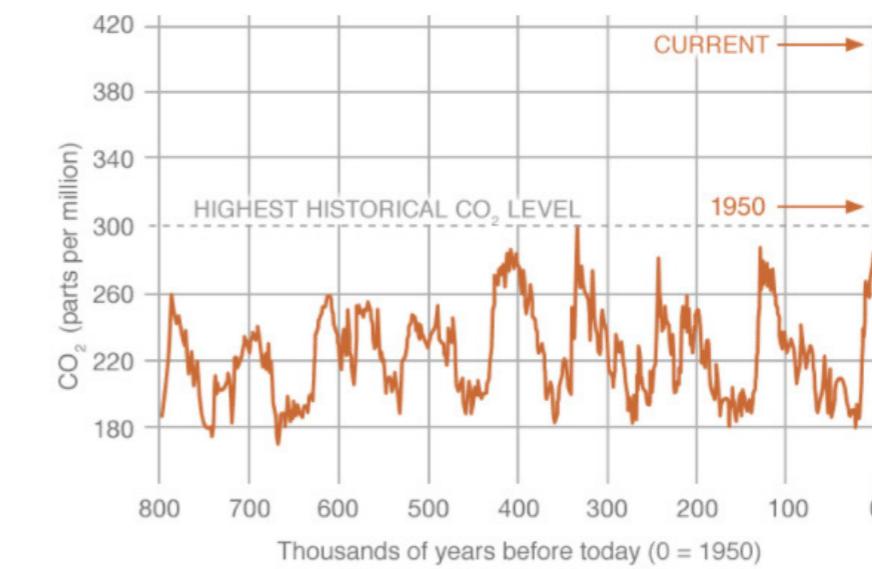
Orkney Islands' strong tides, high winds, and deep-sea thermal gradients create ideal conditions for generating renewable marine energy.



Phytoplankton Research & Climate Role

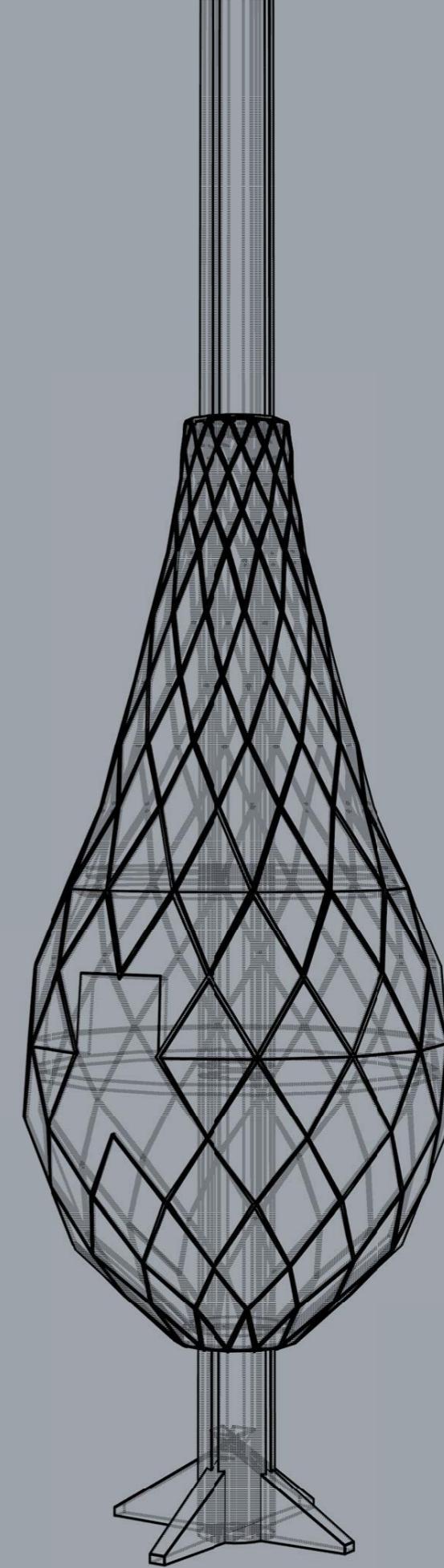
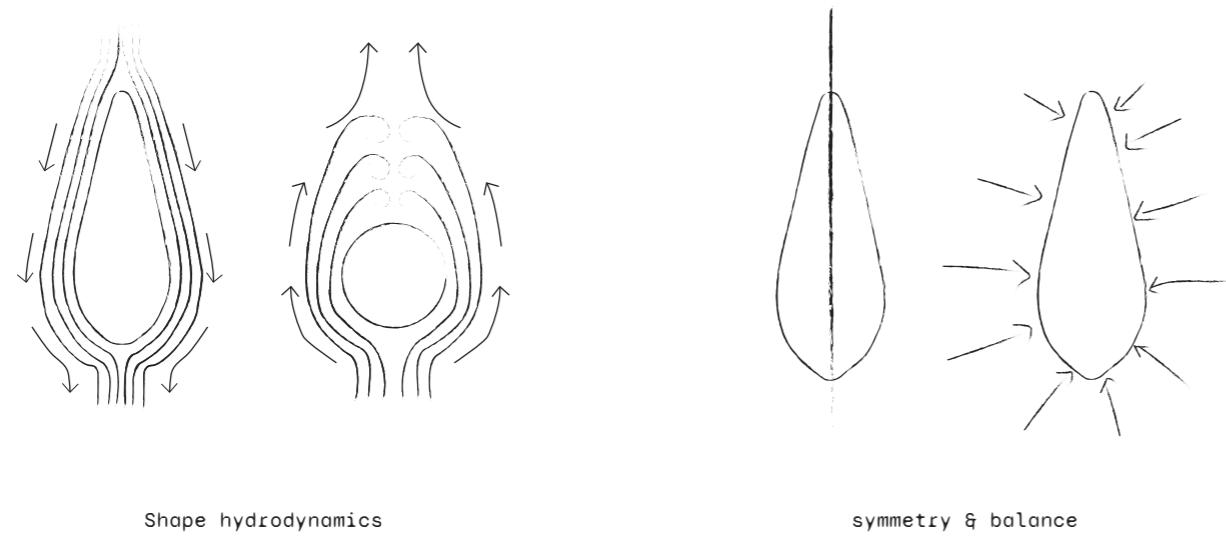
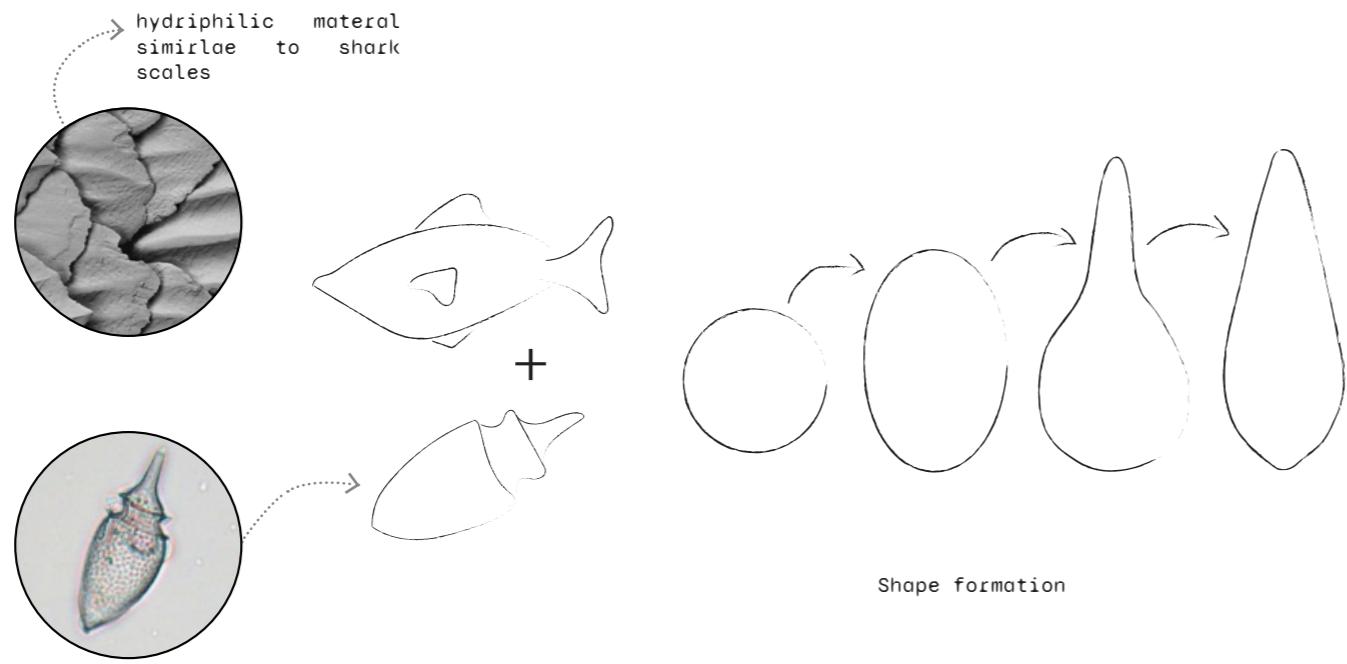
Orkney Island

Phytoplankton, the invisible lungs of the ocean, absorb atmospheric CO₂ while producing nearly 50% of Earth's oxygen.



Form Exploration & Experimental Outcome

The form is derived from phytoplankton and hydrodynamics, minimizing drag and maximizing stability in high-energy waters.



THA -
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YOU

