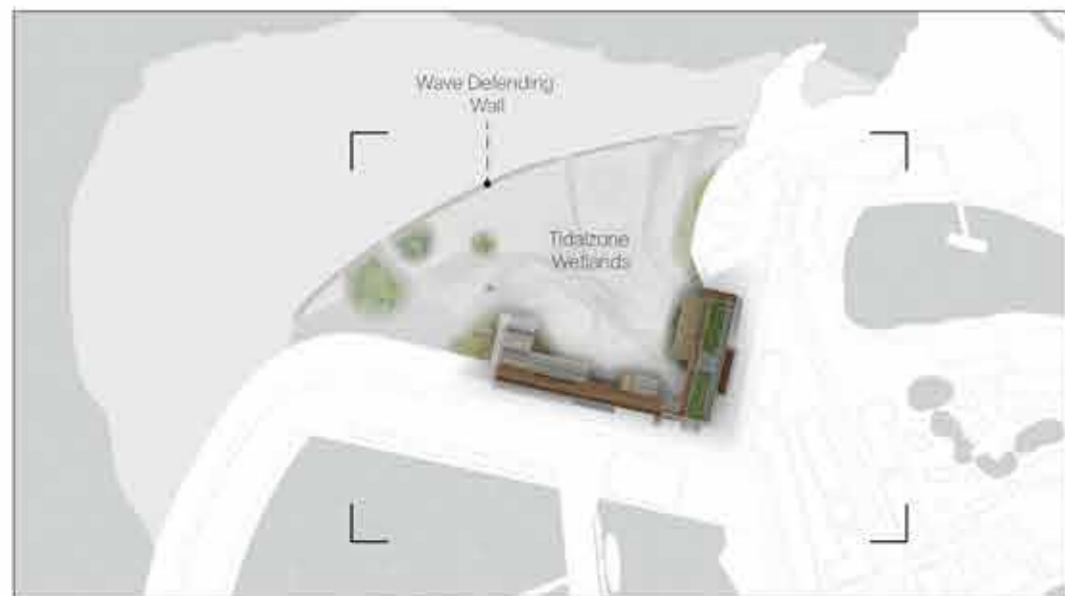
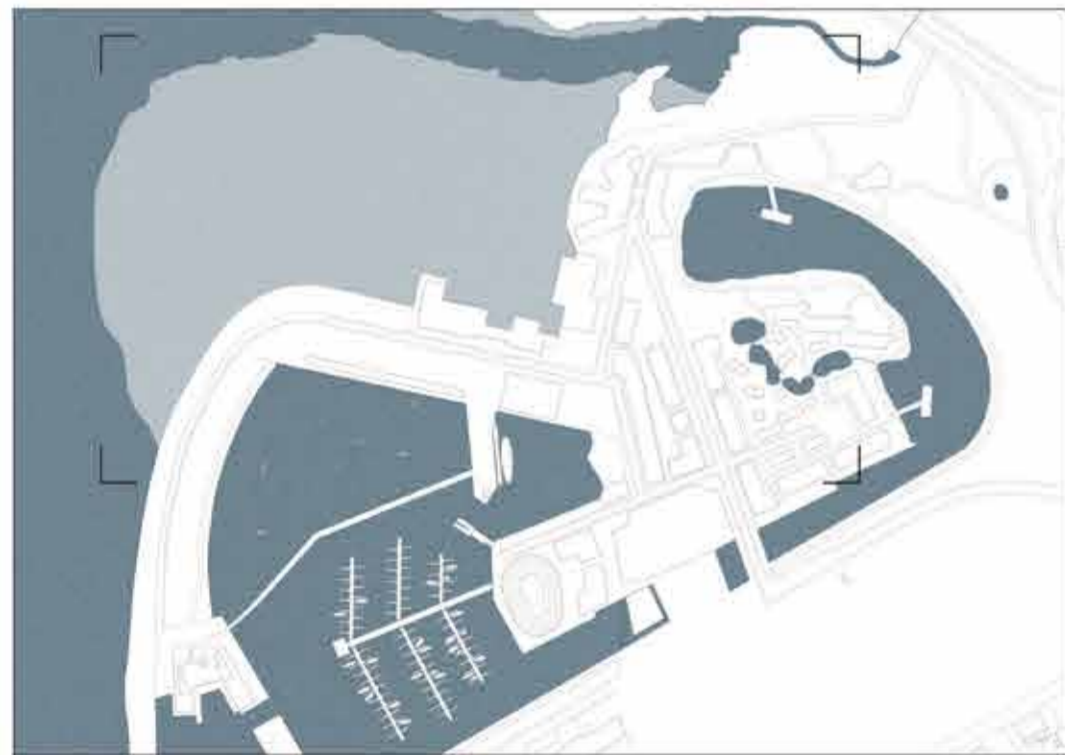




The Second Landscape: Entangled Avian Ecology

Moving Water Semester 2 Portfolio [selection]

Yuchen Cai
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Tutors: Andrea Faed | Jack Green



THE SECOND LANDSCAPE
 Yuchen Cai

For a long time, we have been trying our best to prevent birds from constructing on our constructions – in other words, many people usually tend to prevent birds from nesting upon buildings, although sometimes it is us who have occupied their original habitats. What if a building does not dislodge but welcomes them instead? What do architectural elements, such as roofs and walls, mean to other species than us humans? This project looks into the concept of creating a second landscape upon an architecture for humans to create an architectural environment for the birds, the indigenous inhabitants of the tidal zone on the western shore of Esbjerg which turned into a large artificial maritime activity centre recently. The project aims to design for five main kinds of bird species that are resident within the region, with their nesting and residential habits considered for the design of the roofs – or the “ground” to the birds.

Main avian clients:



Esbjerg Energy and Nature Museum

1. To track an installation center on both the development of wind energy to improve and the local avian species who are affected by the development of wind energy.
2. To provide a low barrier to entry, such as a building or a shelter, etc.

Esbjerg Avian and Wind Energy Research Centre

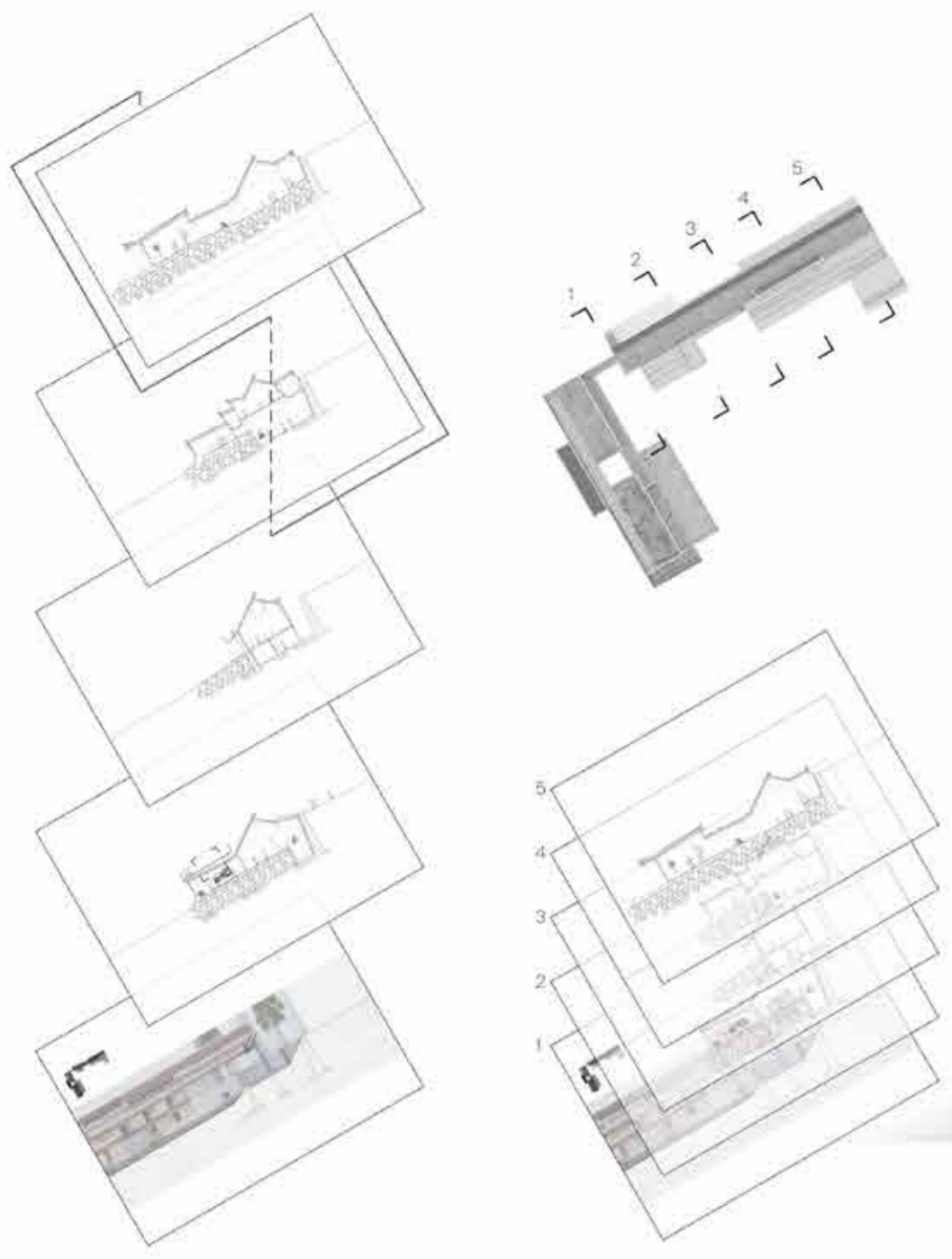
1. To provide a space for researchers to study, track and record the species of native avian species, especially their habitat and migration routes, to better understand and protect these animals, especially avoiding the construction of wind farms on their migration paths.
2. To provide a space for scientists to look for better solutions of harnessing wind energy, especially enable and more efficient turbine solutions to minimize their impact on local ecosystems.

Roof Material Choices:



Second Ground: Avians
 Roof Plan





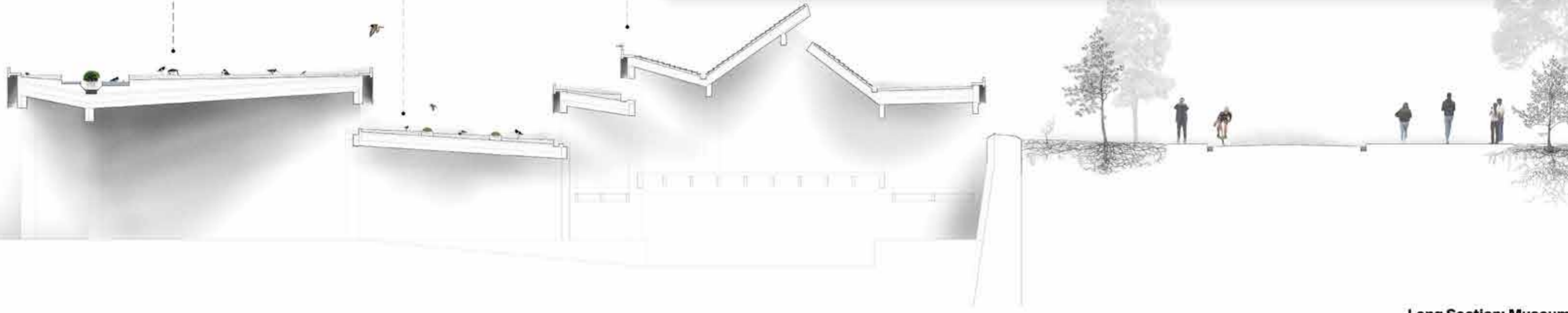
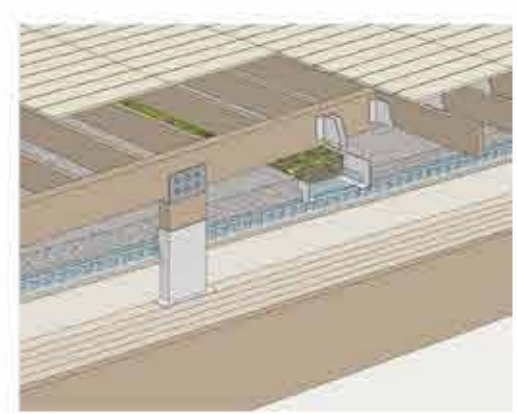
Oystercatcher



Ruddy Turnstone



Seagull



Long Section: Museum Building

MOVING WATER: NORTH SEA EDGE
Studio Leaders: Andrea Faid + Jack Green

Long Section: Research Building



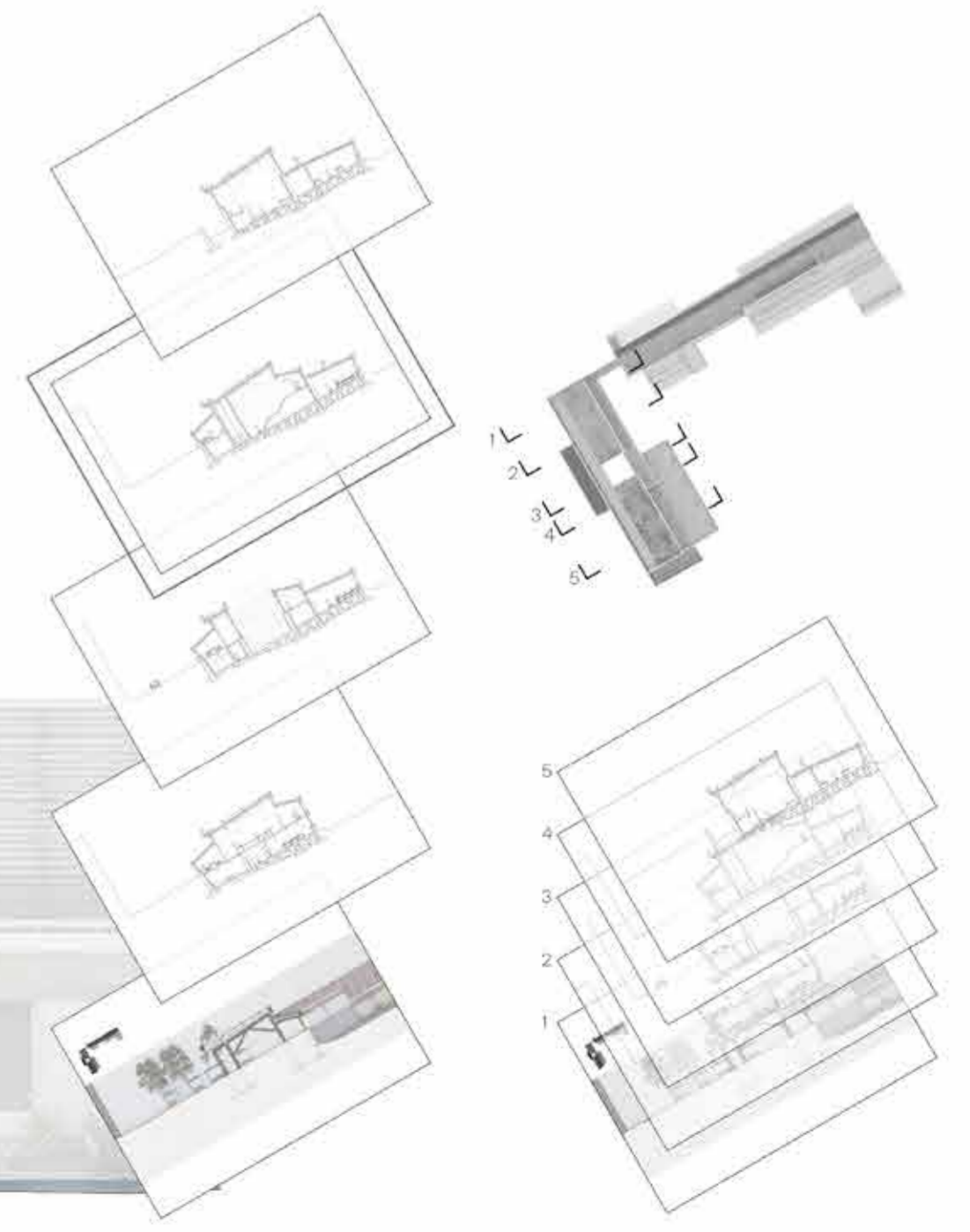
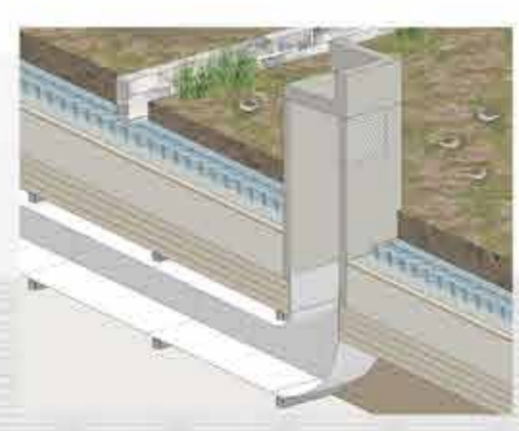
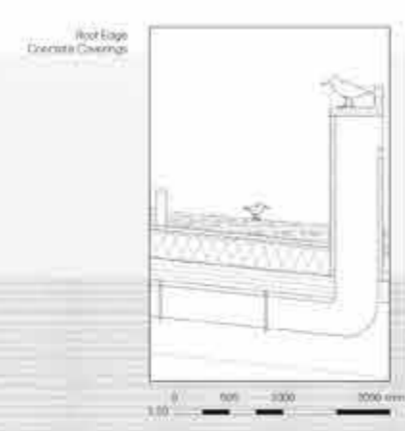
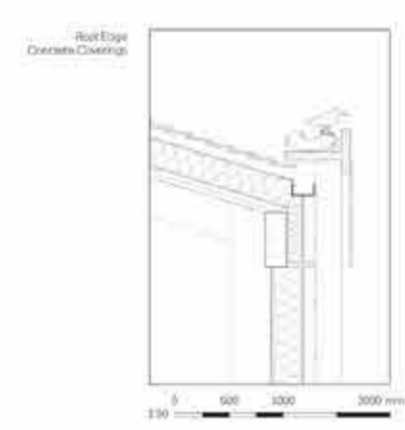
Seagull



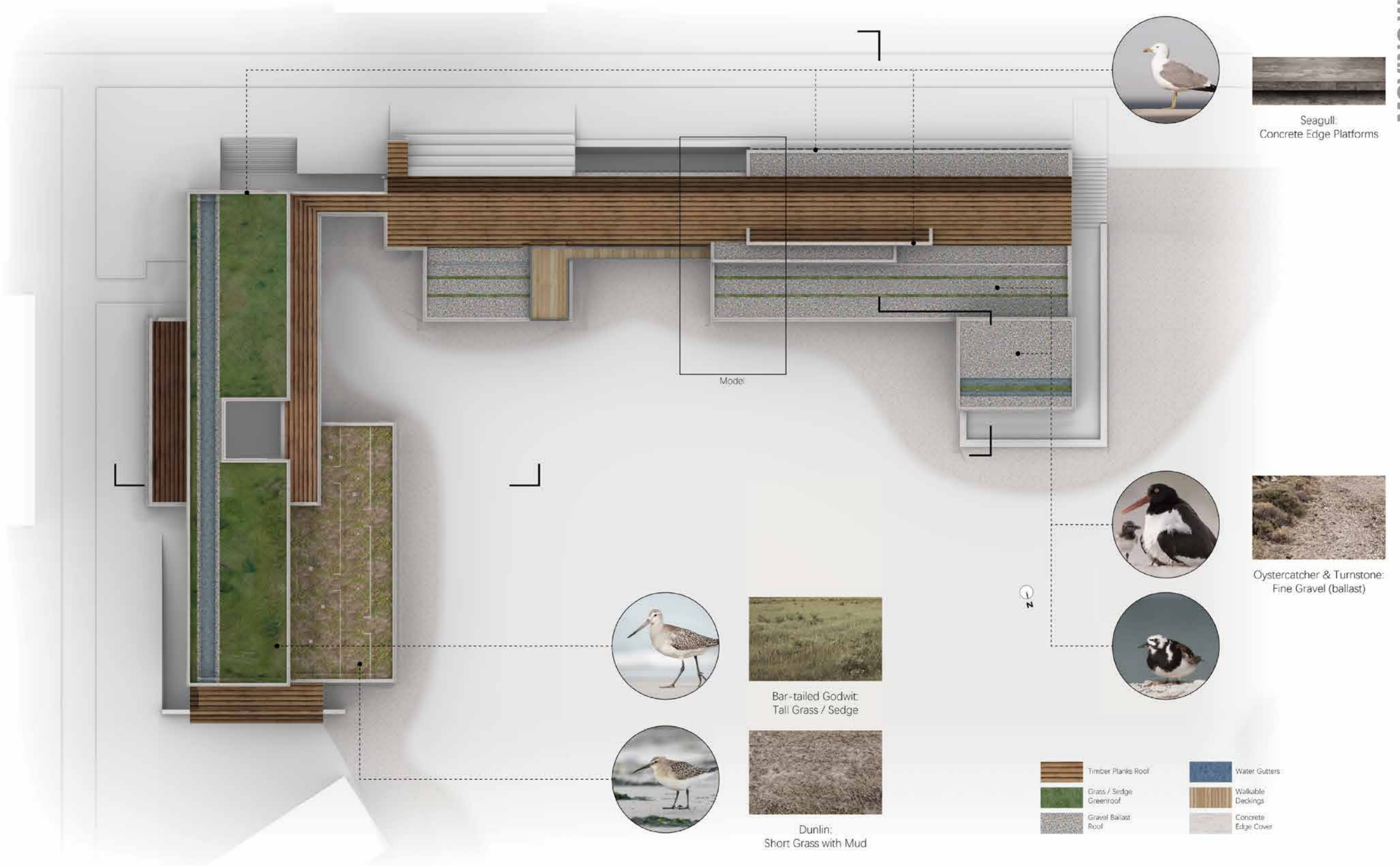
Bar-tailed Godwit

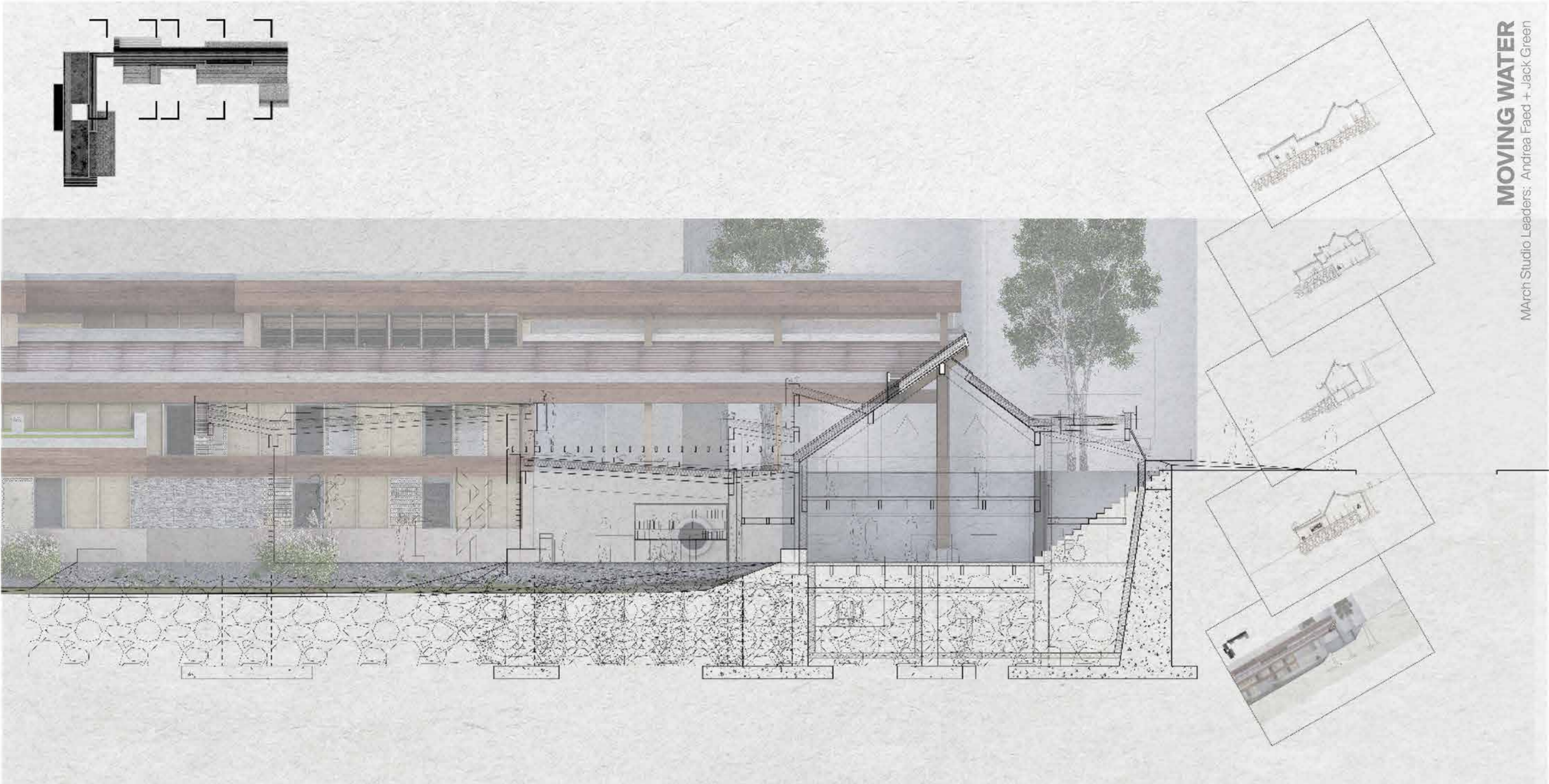


Dunlin



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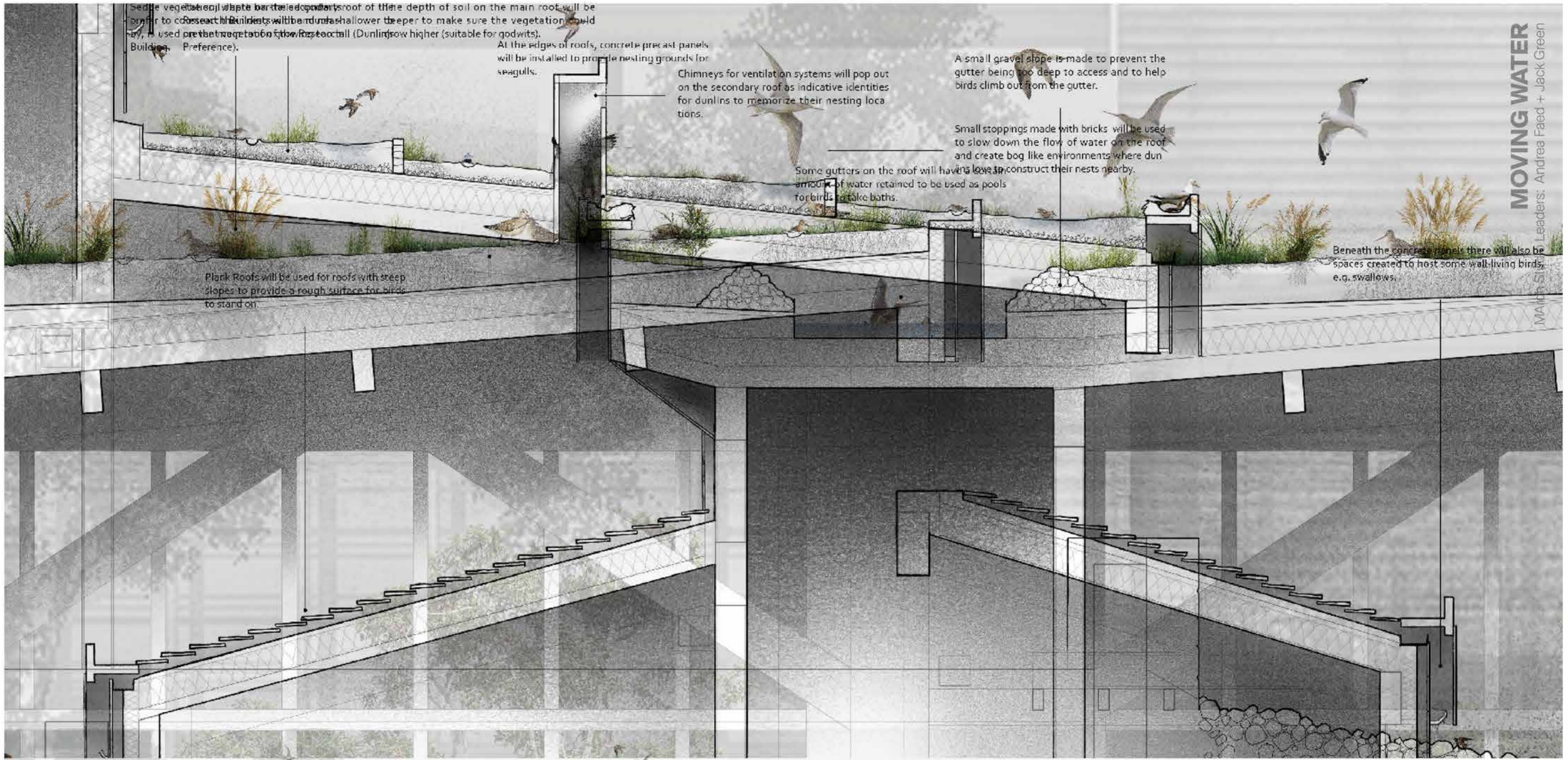




MOVING WATER
MARCH Studio Leaders: Andrea Faed + Jack Green



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MOVING WATER
Andrea Faed + Jack Green



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MOVING WATER

by Shinya Ueda, Aymerica Fajal + Jack Green



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