



IN BETWEEN **WATER** AND **SKY**

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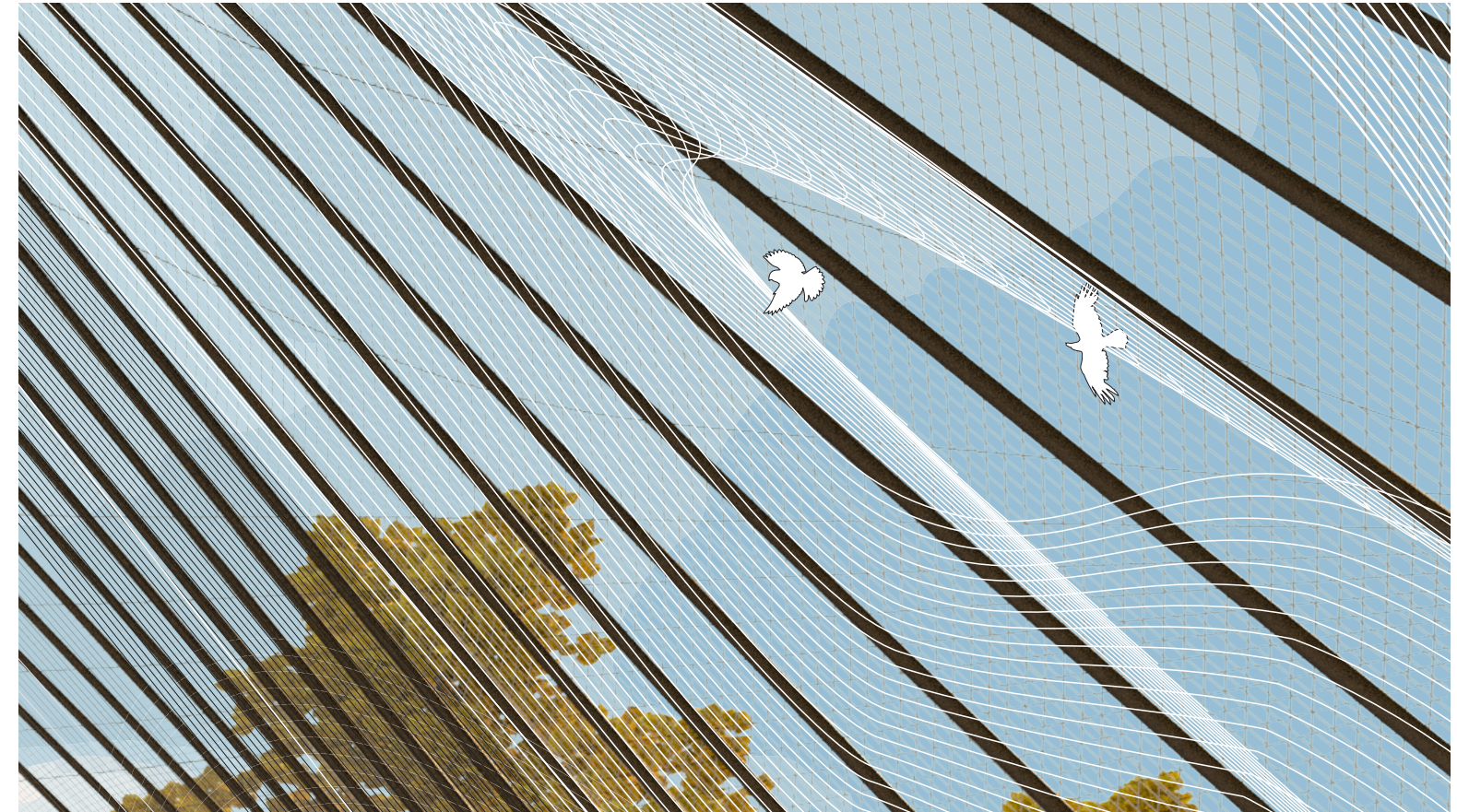
# In Between Water and Sky

Today, during the climate change dilemma and the environmental crisis, it's vital to not just simply mimic nature while designing but understand its essence and create a language of exchange between natural and built environments.

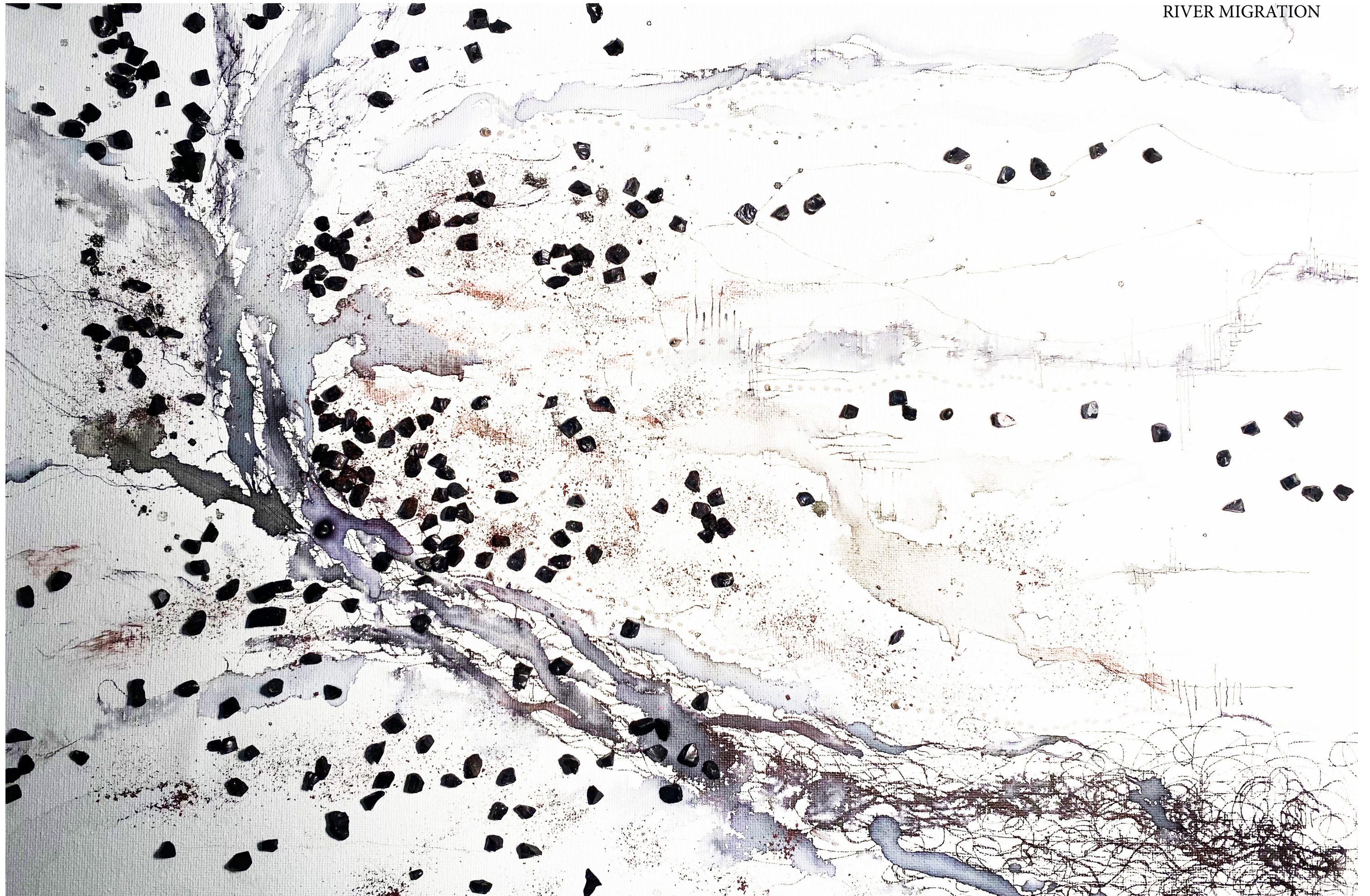
We, humans, are connected with the entire ecosystem, from the oceans that surround us to the water that makes up two-thirds of our bodies. Bodies of water, being fluid, are in a constant process of intake, exchange, and transformation. We have a constant connection to the natural environment as we breathe in and breathe out, however, after colonial, industrial, capitalist, and now, in this technological era, we have lost the spatial relationship, knowledge, engagement, and synthesis with nature.

Lenape Delaware people, Indigenous people of the north-eastern woodlands, had a traditional ecological knowledge and complex understanding of the natural world transmit with symbols and mythology. In Native American culture, it is believed that all things possess an inherent virtue, power, and wisdom. Bird symbols were very spatial with their ability to soar above the clouds, perhaps to the heavens, and their sense of freedom inspired many. When a feather falls to the earth, it was believed to carry all of the bird's energy, and it was perceived as a gift from the sky, the sea, and the trees. In order to rebuild our connection with the natural environment, it's vital to understand what we have lost and learned from the practices of Indigenous people.

This project aims to create space that stands for various species by creating nests for birds. The structure will be an extension of the existing landscape of Passaic falls, Mary Ellen Kramer Park, and Valley of the rocks. Without defining the boundaries of the structure, nature will be integrated within and without.



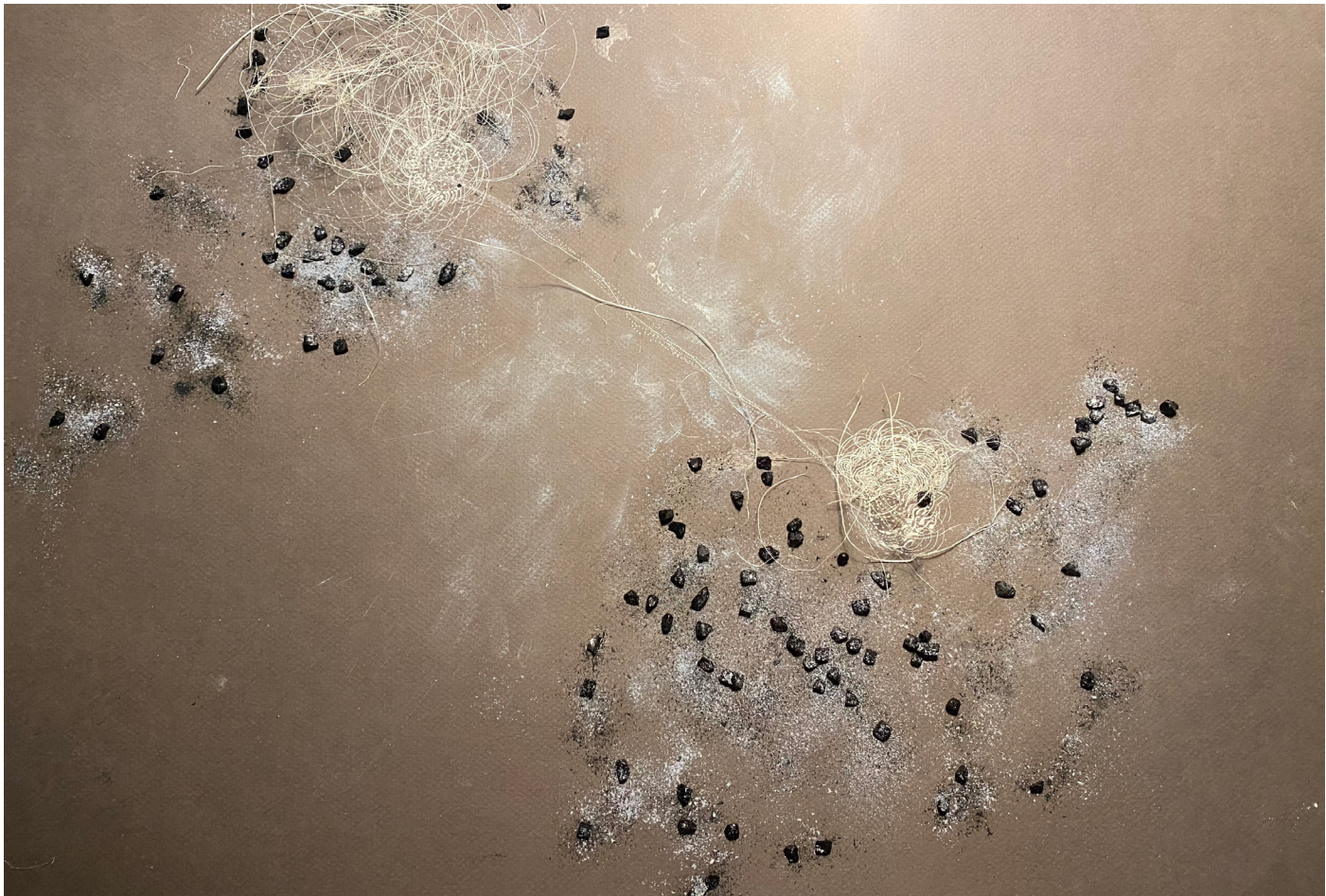












Migration story of Blackpoll Warbler

The Blackpoll warbler departs from the northeast Atlantic coast and embarks on a nonstop transoceanic flight of up to 3 d and 2,770 km on their way to overwintering grounds in South America. These birds have amazing navigational powers. A warbler, might fly from Maine to Ecuador in the fall, coming back in spring to the very same tree in Maine where it sang the year before. But during their night flights they are subject to wind and weather, so in the morning they might come down practically anywhere. If they still have energy left, they may fly several miles after sunrise, looking for a choice patch of woods or marsh or meadow.



Migration story of Blackpoll Warbler





CONCEPTUAL MODEL BASED ON MIGRATION STORY OF BLACKPOLL WARBLER

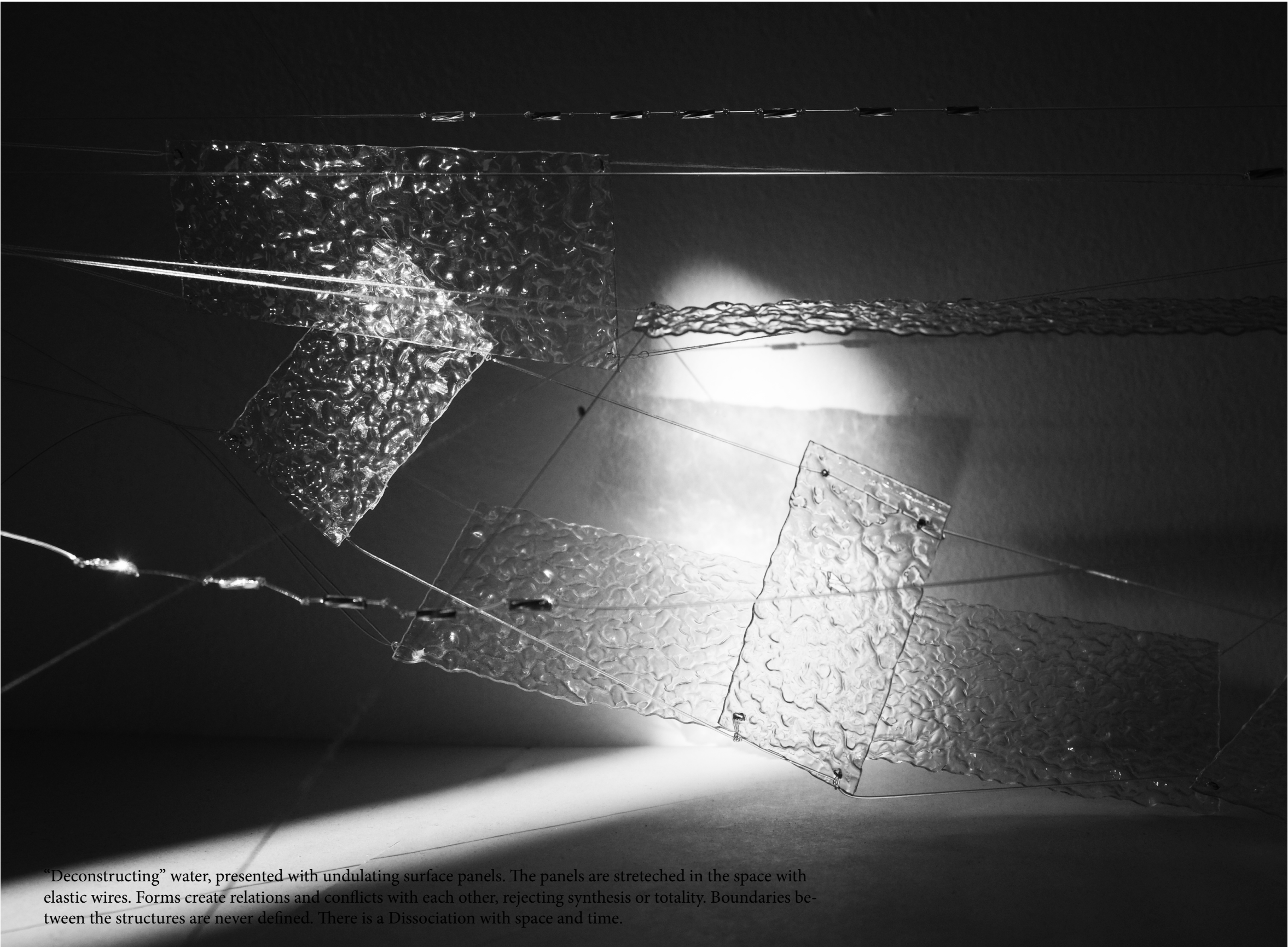




CONSTRUCTION BASED ON MIGRATION STORY OF BLACKPOLL WARBLER

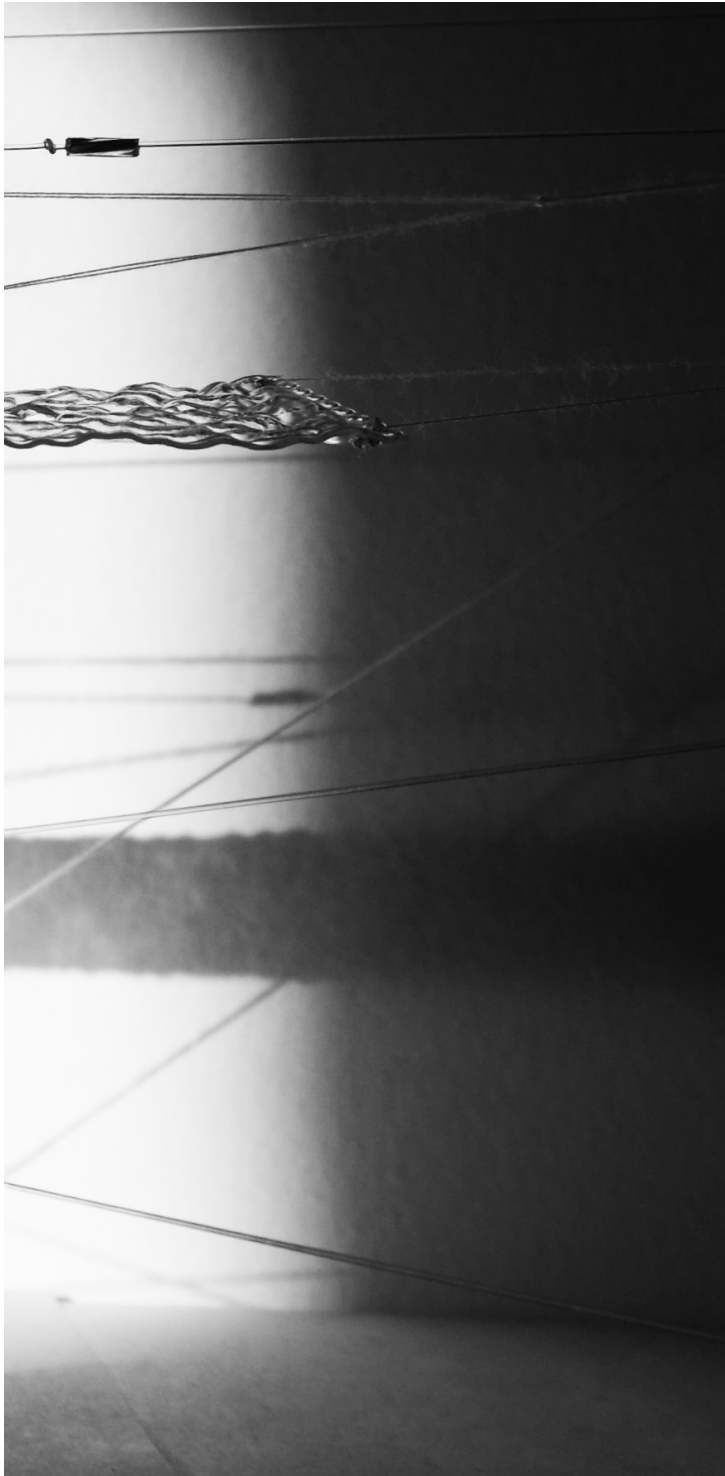
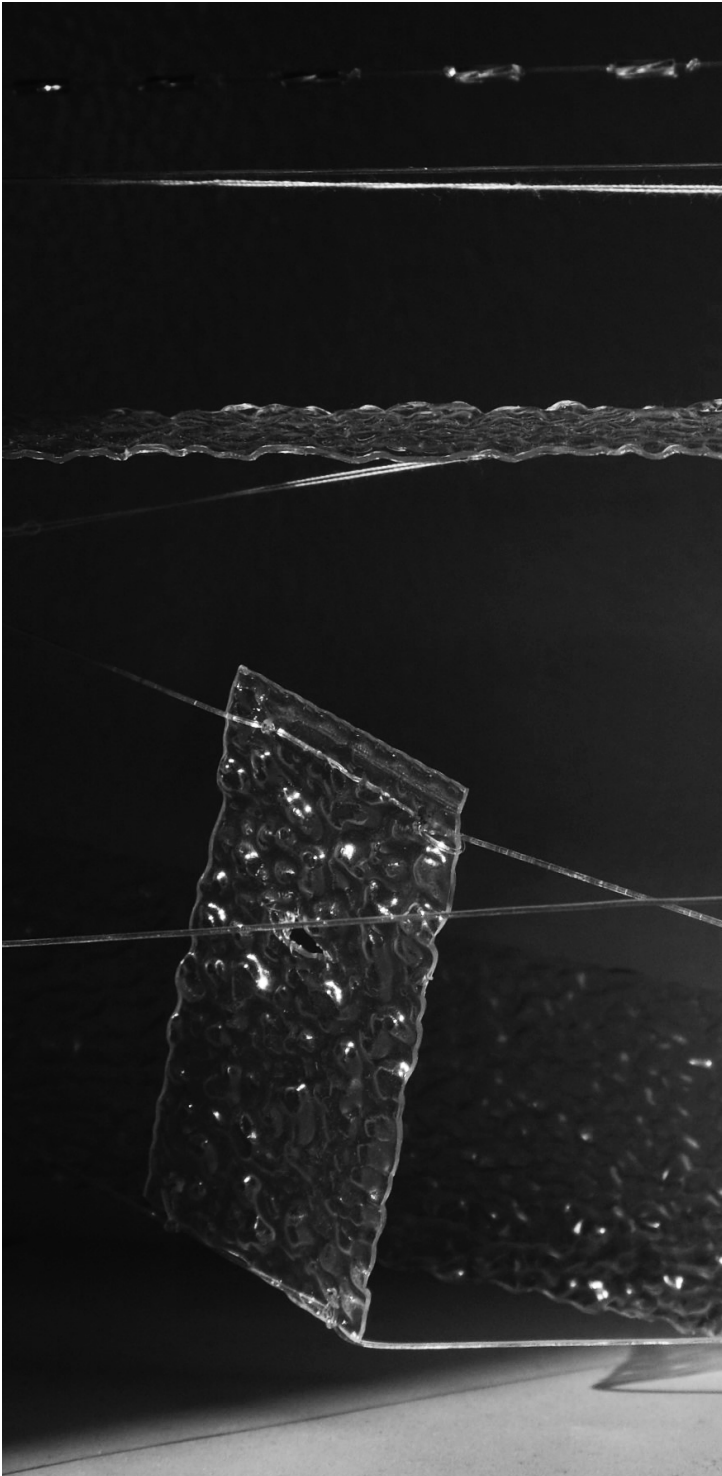
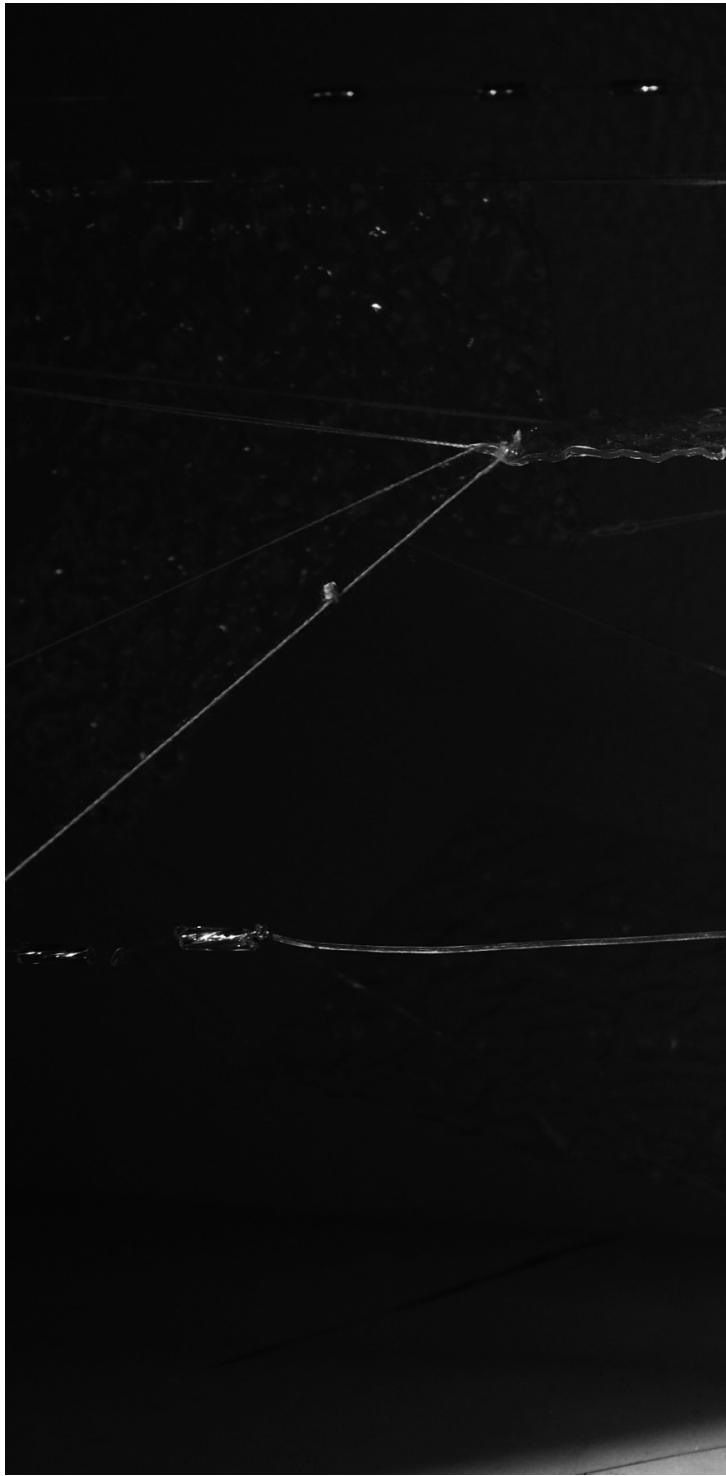


“Deconstructing” water, presented with undulating surface panels. The panels are streched in the space with elastic wires. Forms create relations and conflicts with each other, rejecting synthesis or totality. Boundaries between the structures are never defined. There is a Dissociation with space and time.

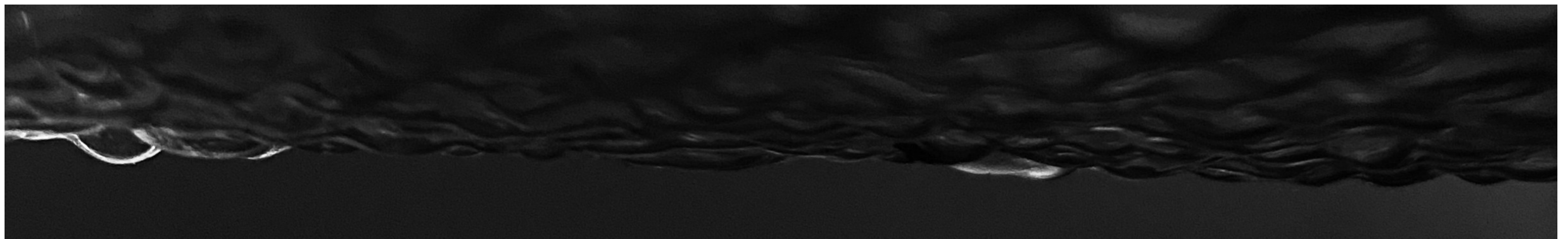
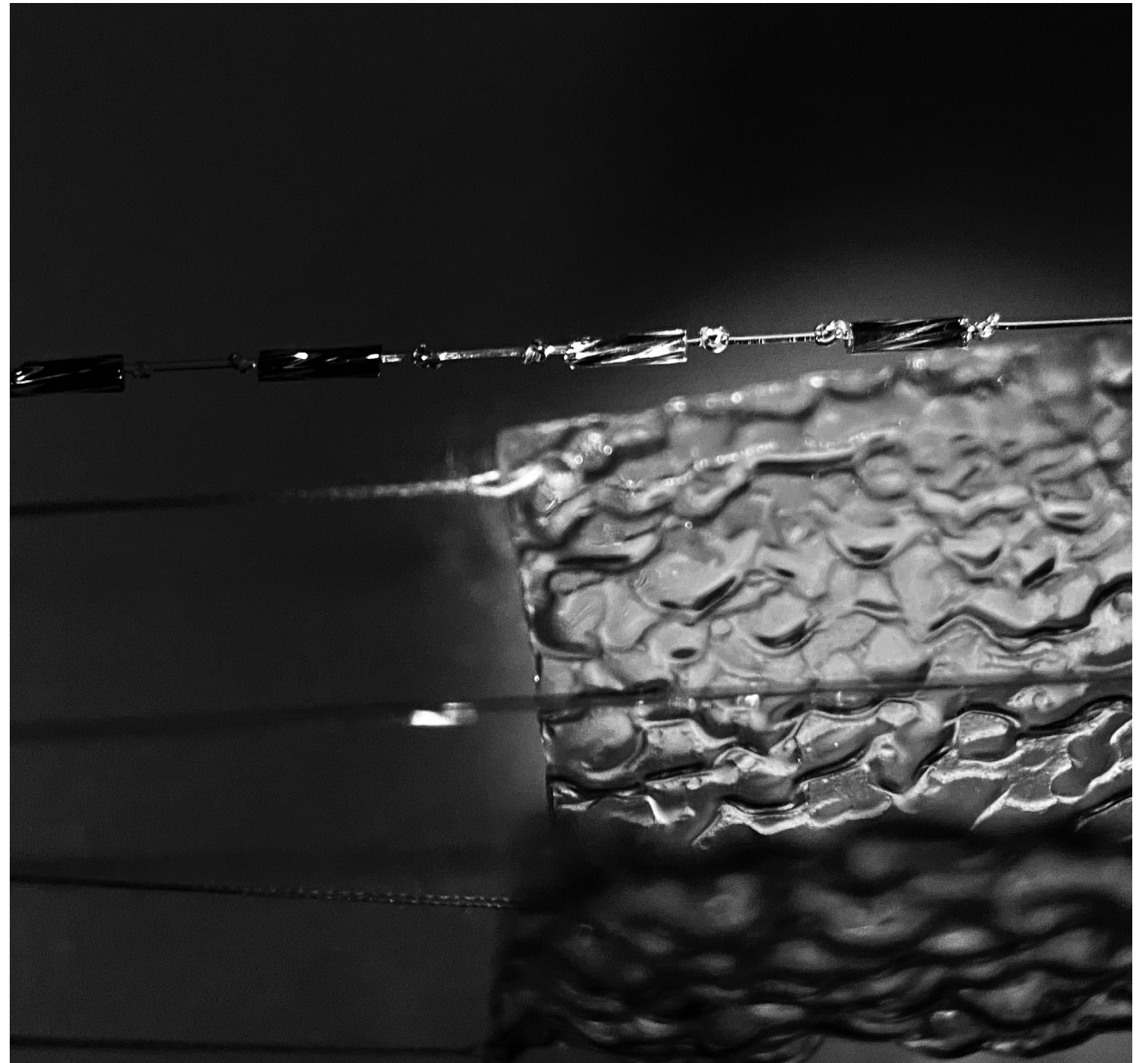
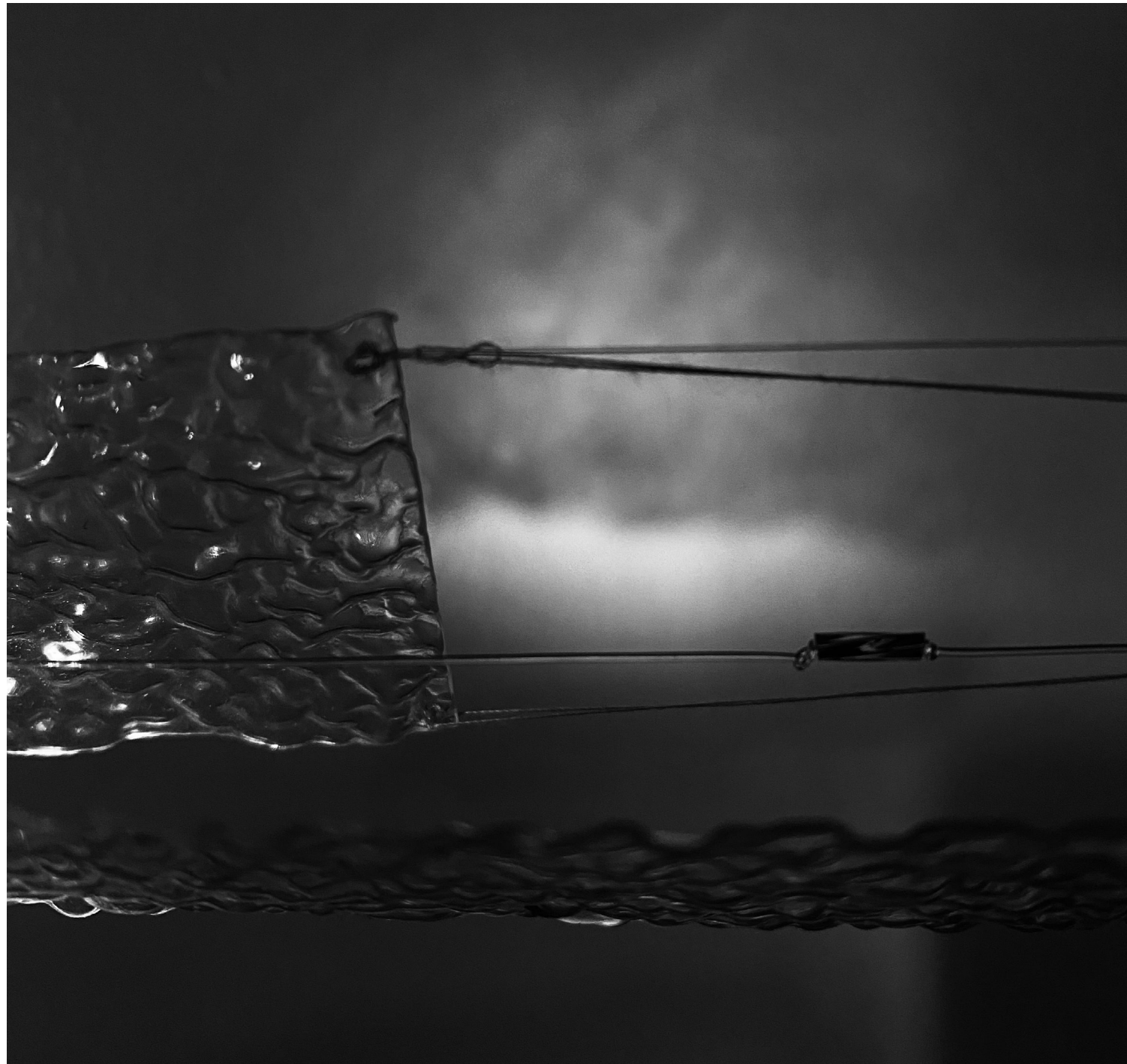




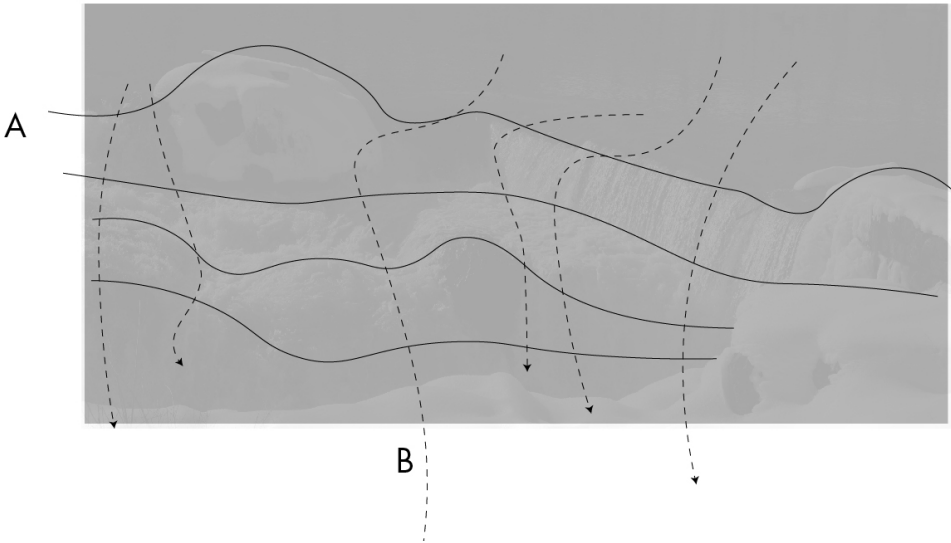
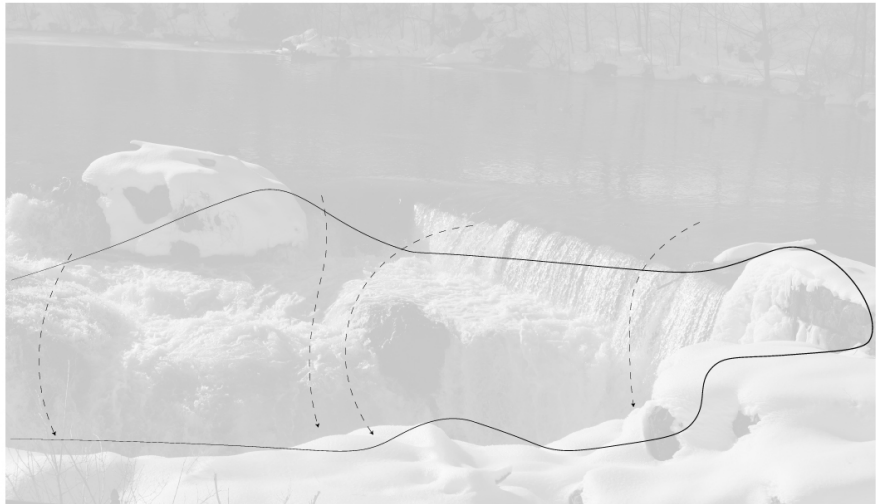
CONSTRUCTION BASED ON MIGRATION STORY OF BLACKPOLL WARBLER





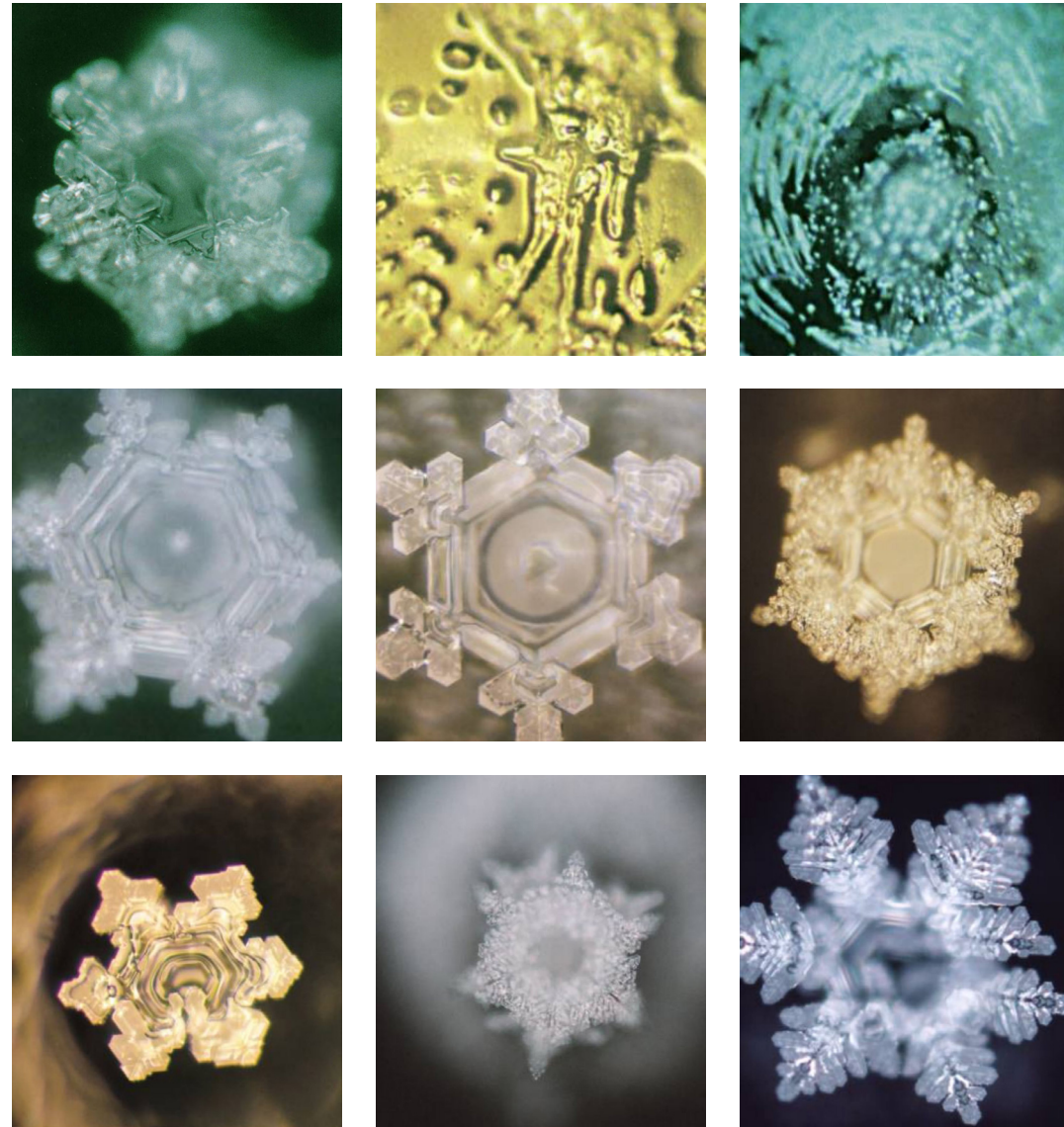




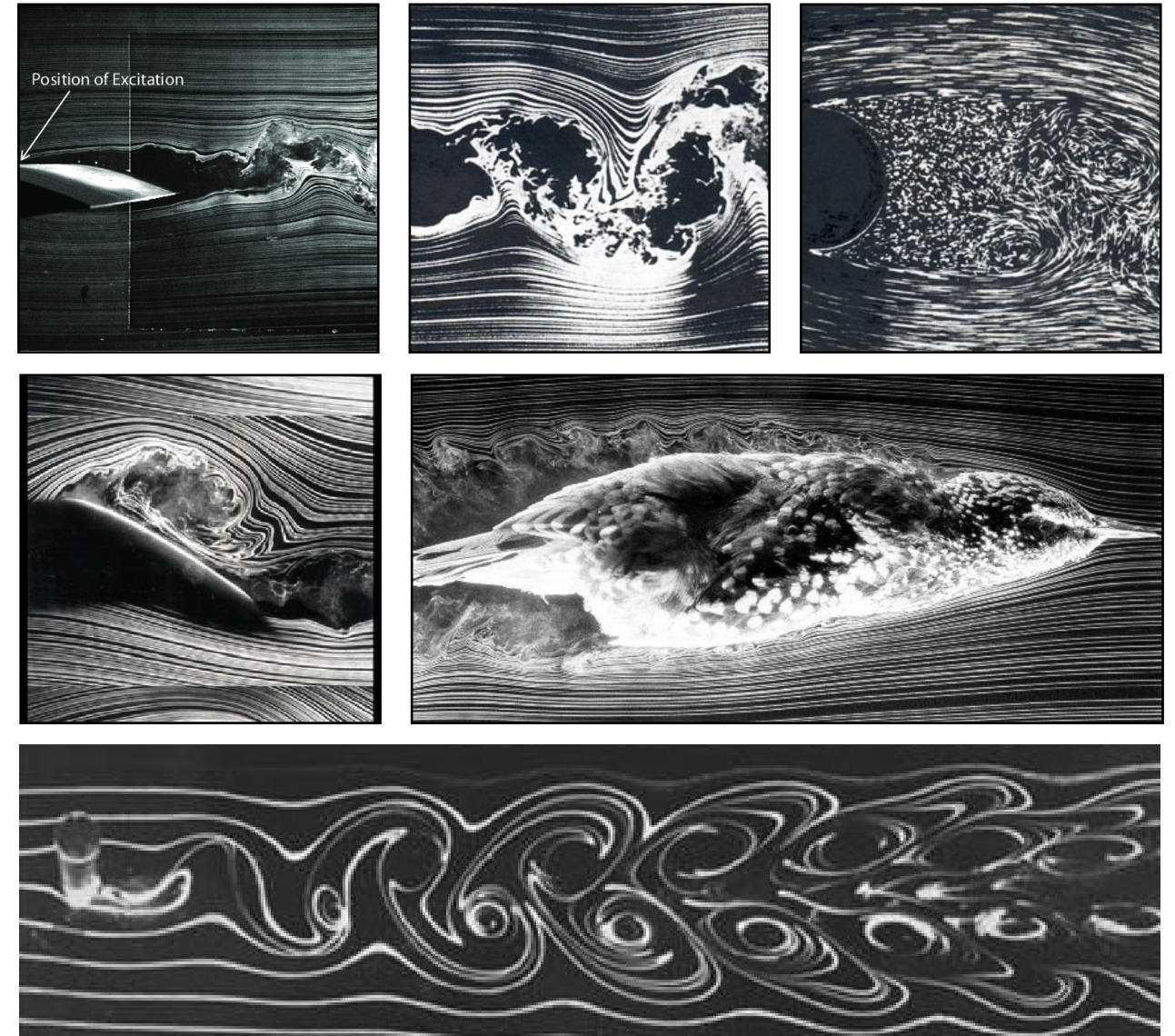




## WHAT IS REALLY A WATER?

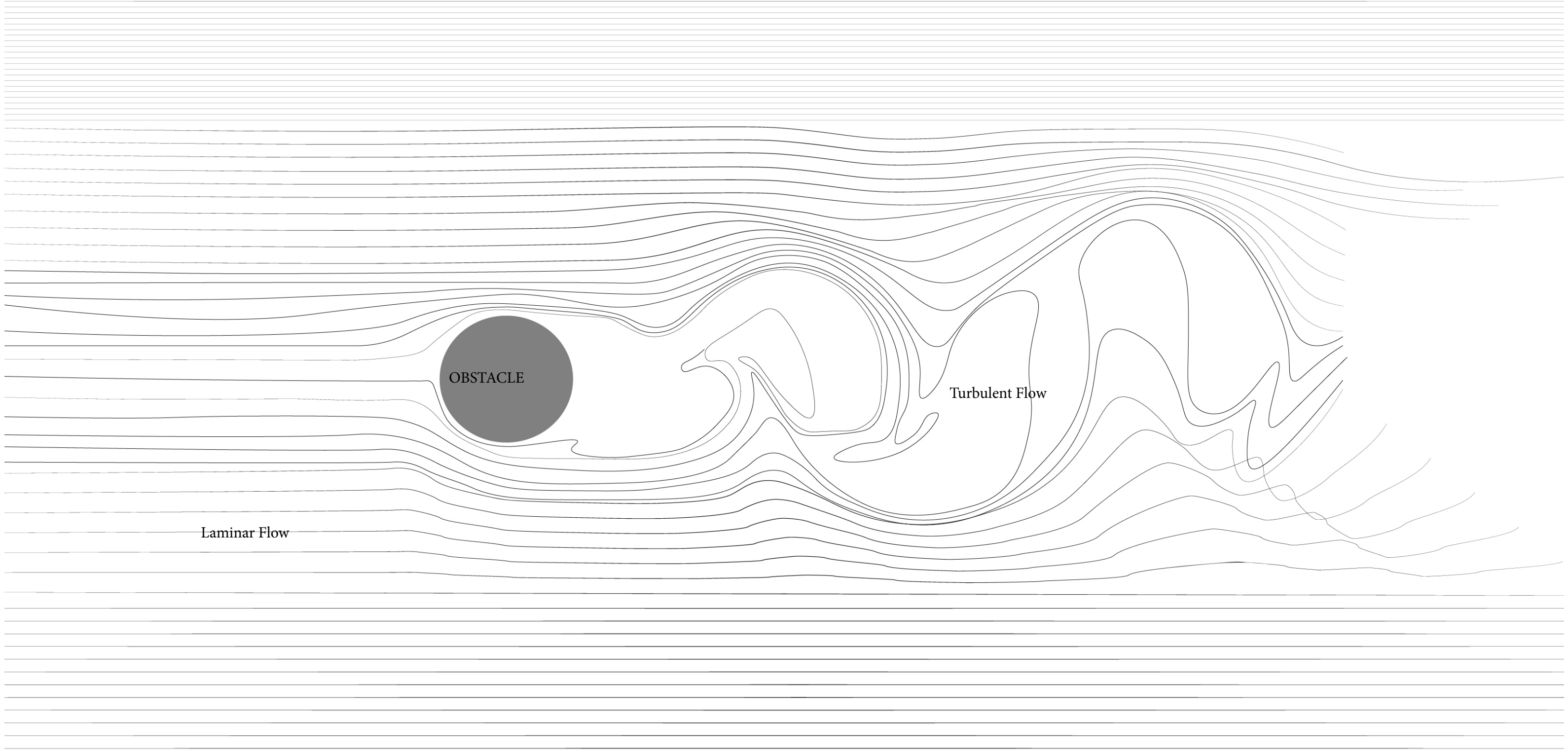


Masaru Emoto\_The hidden messages in Water



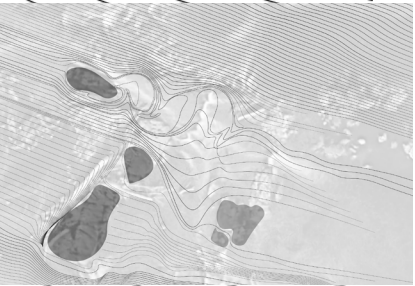
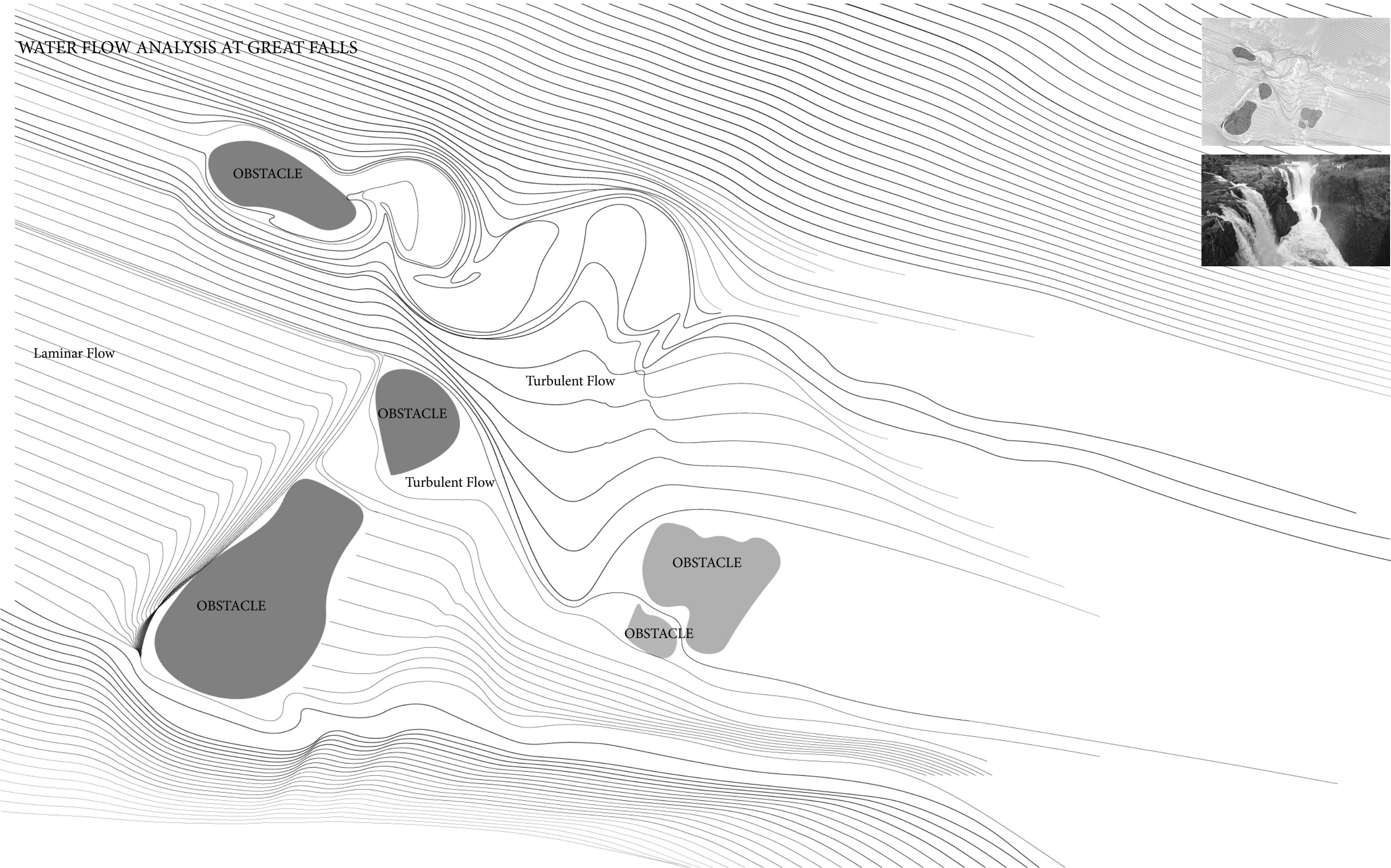
Water-Air Flow Analysis.





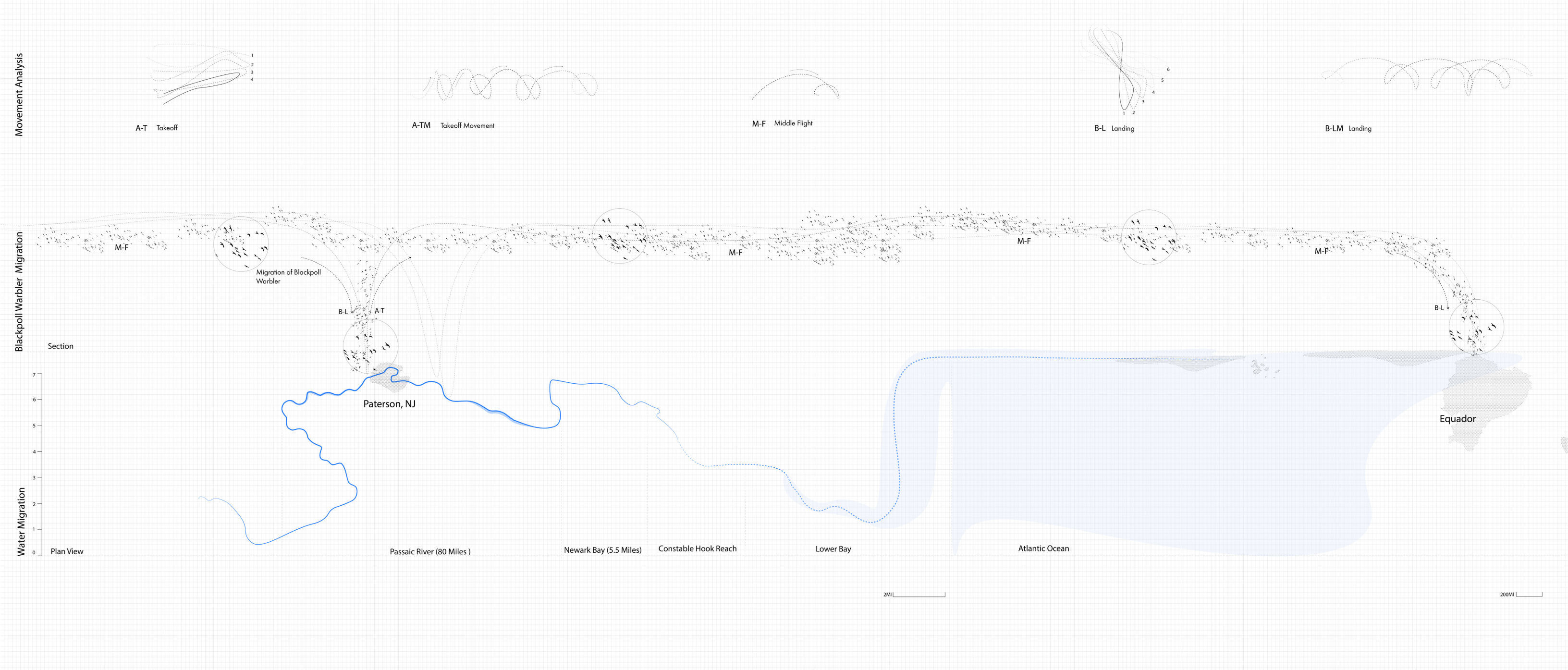


WATER FLOW ANALYSIS AT GREAT FALLS



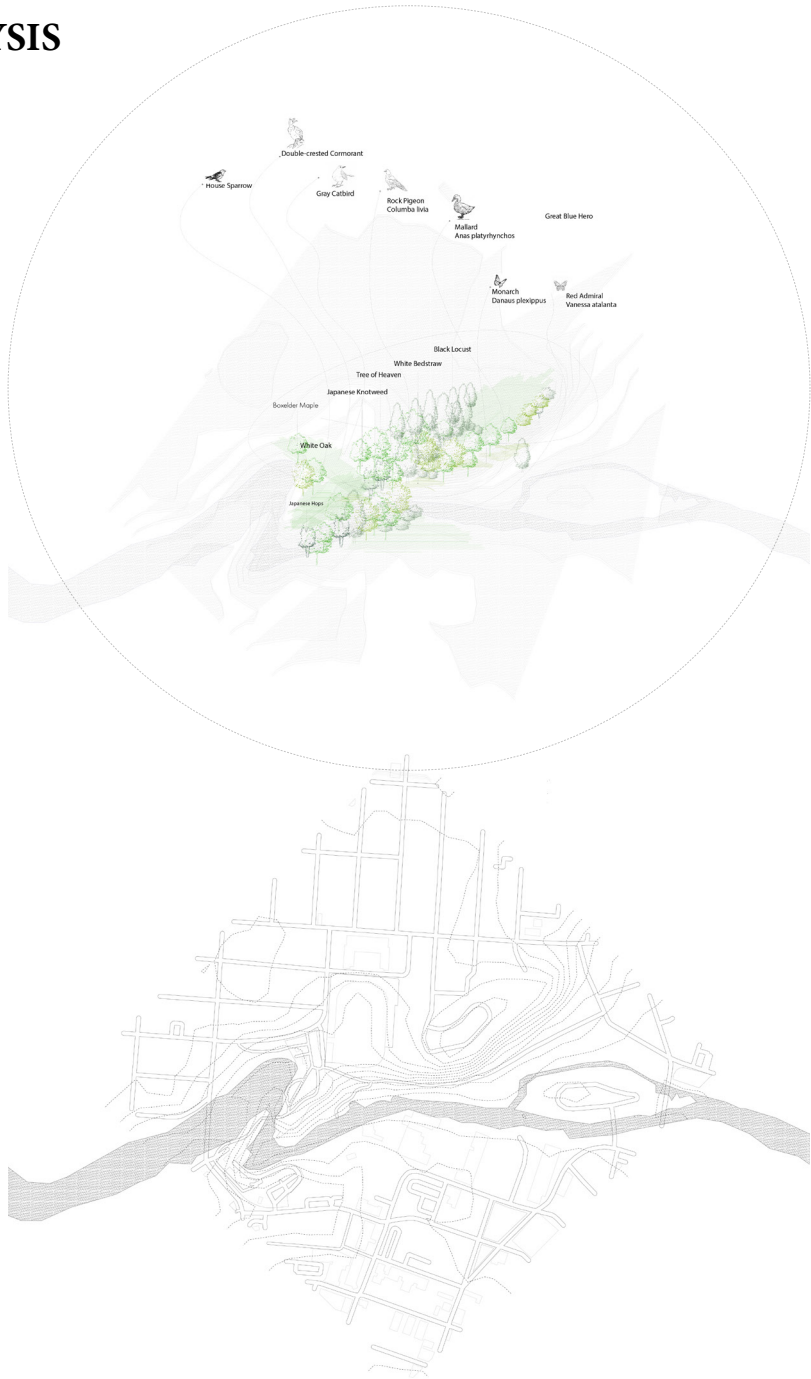


**BIRD (Blackpoll Warbler)& WATER (Passaic River) MIGRATION**

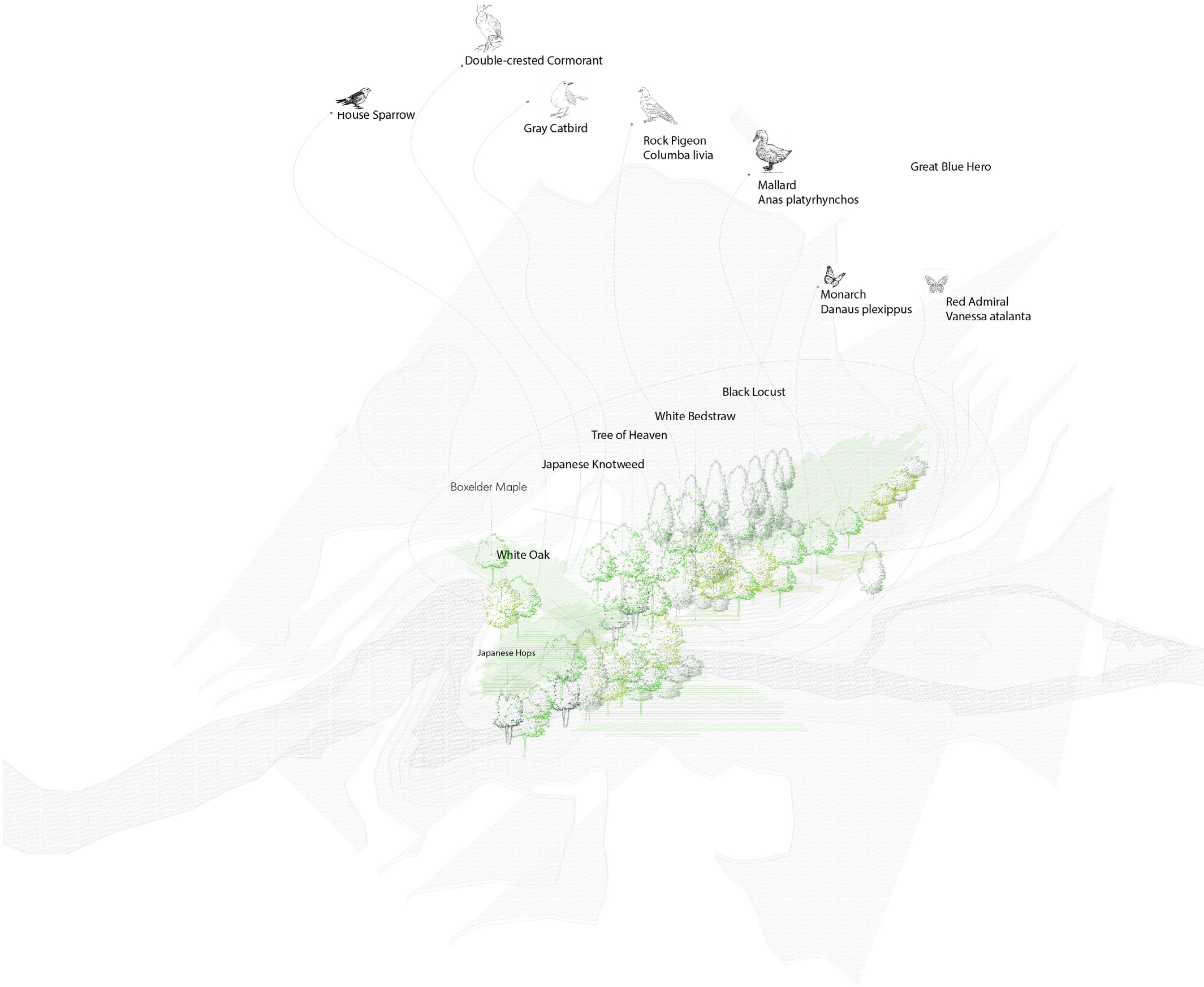




SITE ANALYSIS

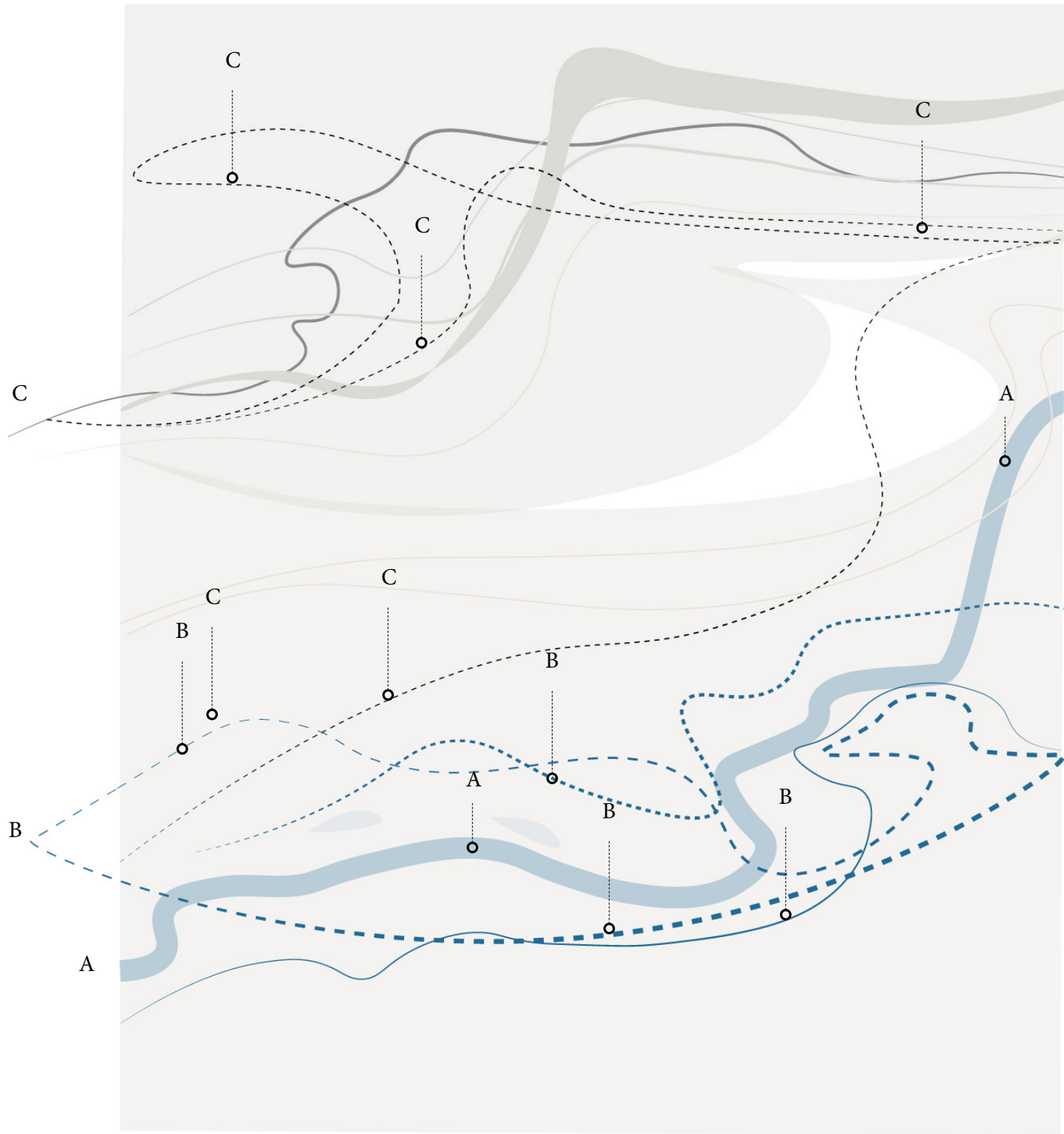


	WINTER	SPRING	SUMMER	FALL
House Sparrow			10-14 Days	
Gray Catbird		10-11 Days		
Mallard			23-30 Days	
Double-crested Cormorant			25-28 Days	
Great Blue Hero			7 Days	
Yellow Warbler		9-12 Days		
Black Crowned		30-35 Days		
Monarch			10 Days	
Red Admiral			7 Days	





SPATIAL STRATEGY DIAGRAM

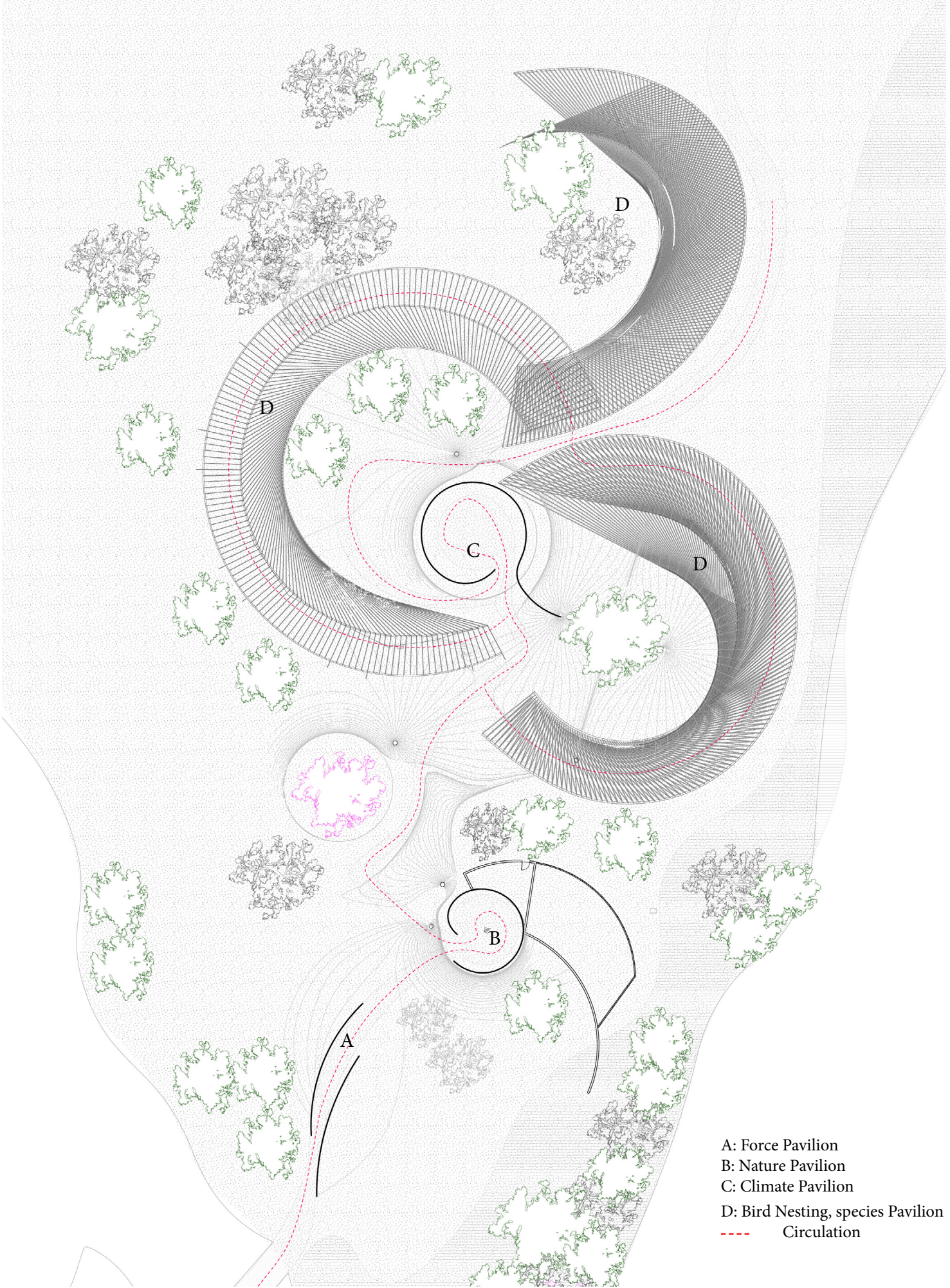


Legend

- A: Water (Passaic River)
- B: Humans
- C: Birds



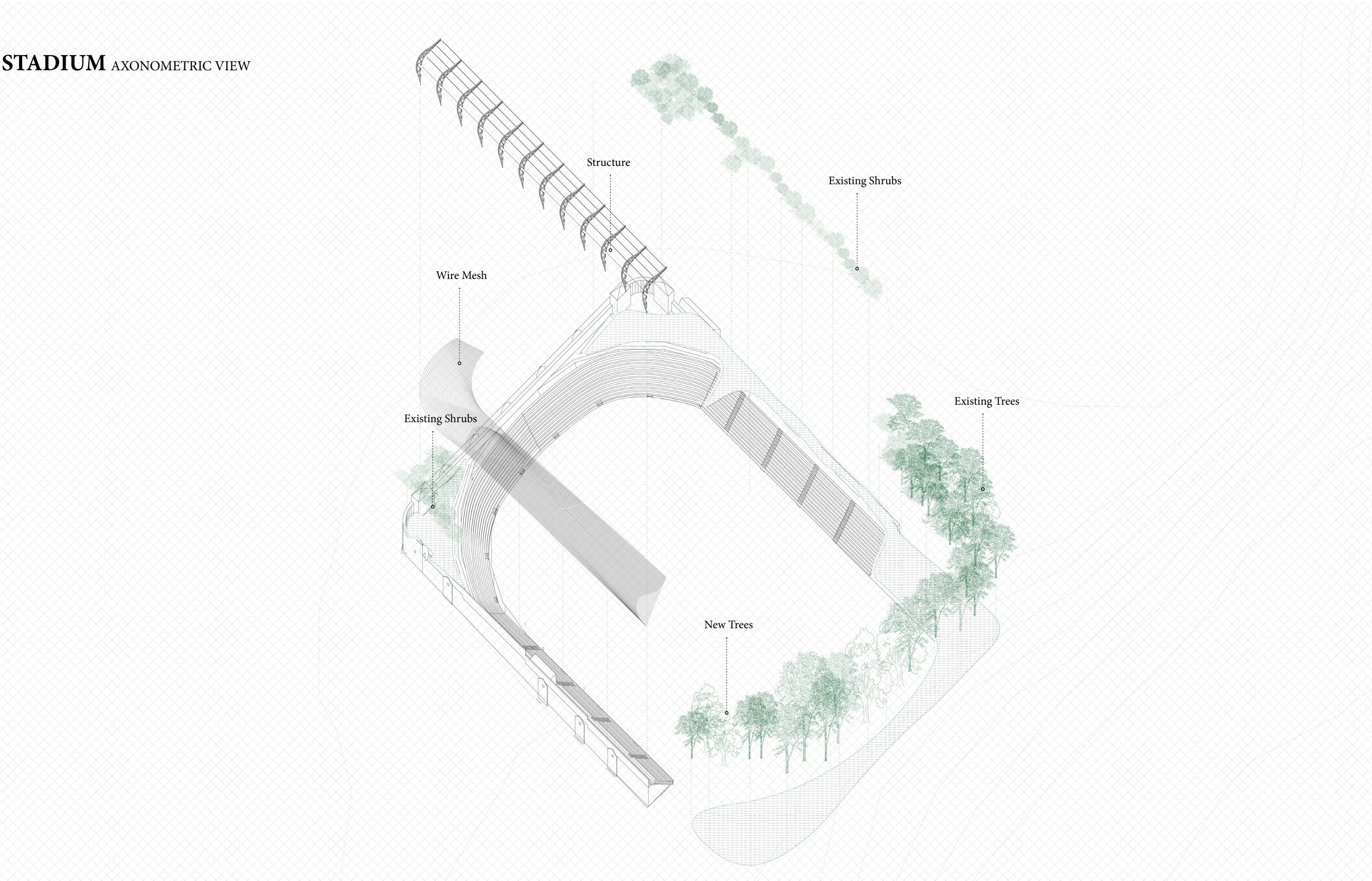
SITE PLAN



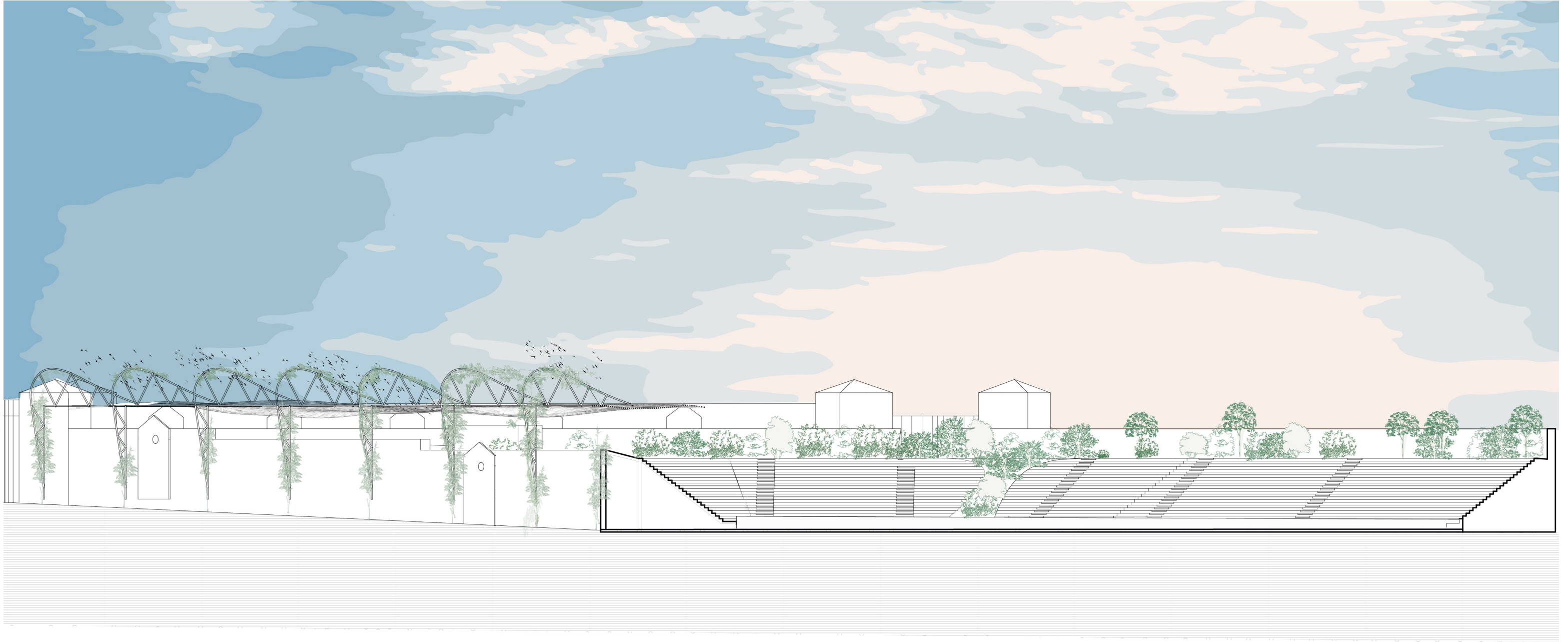
- A: Force Pavilion
- B: Nature Pavilion
- C: Climate Pavilion
- D: Bird Nesting, species Pavilion
- Circulation



**STADIUM** AXONOMETRIC VIEW

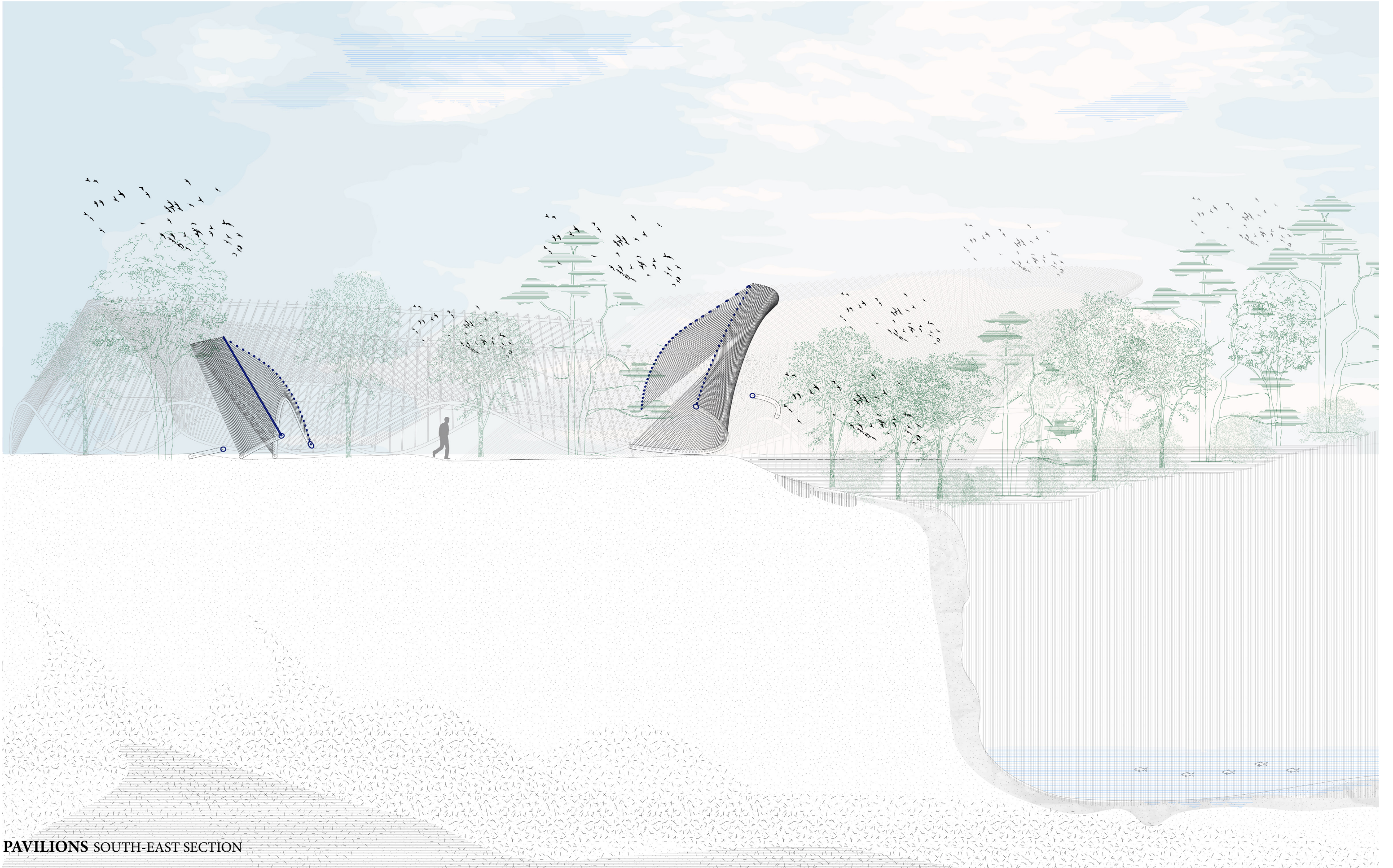






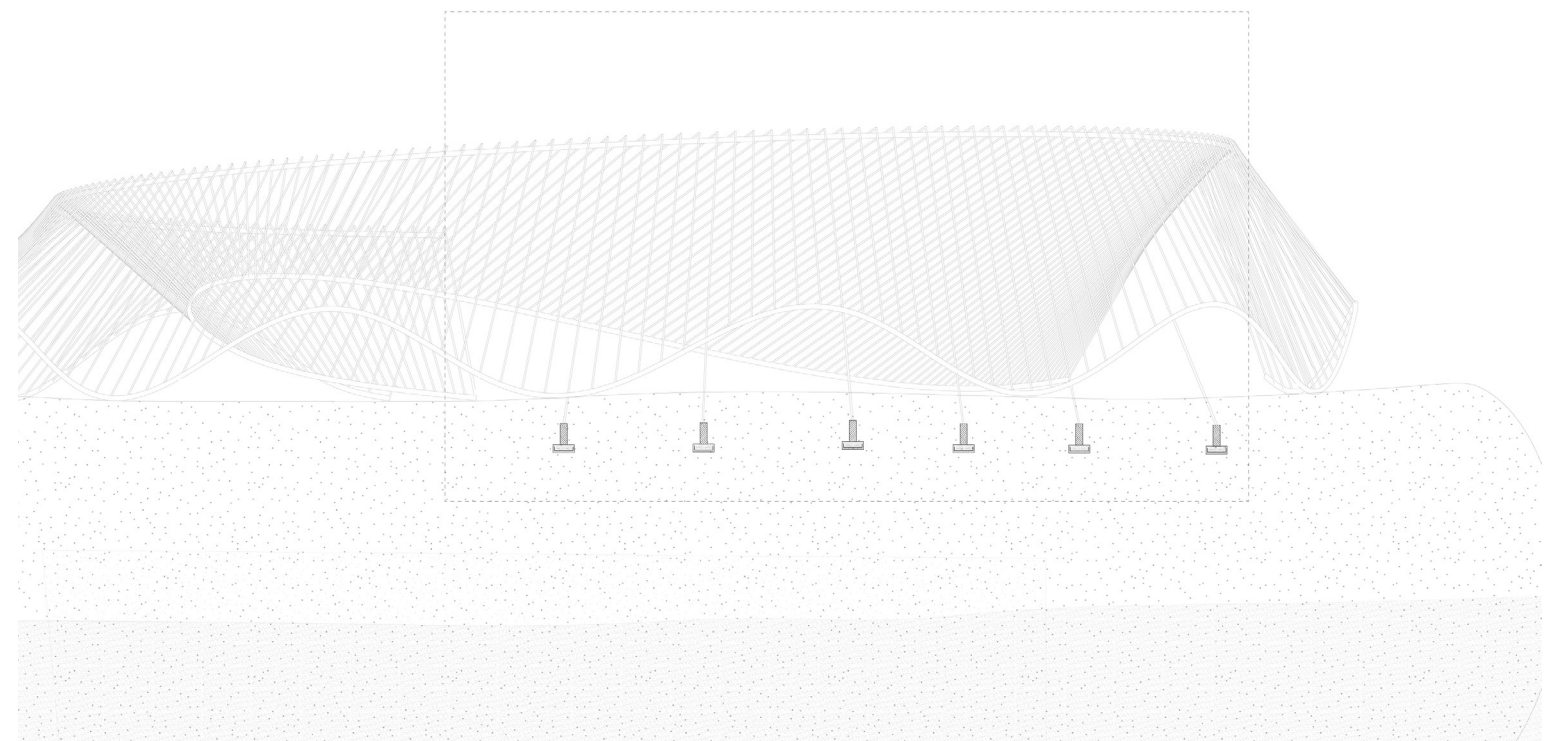
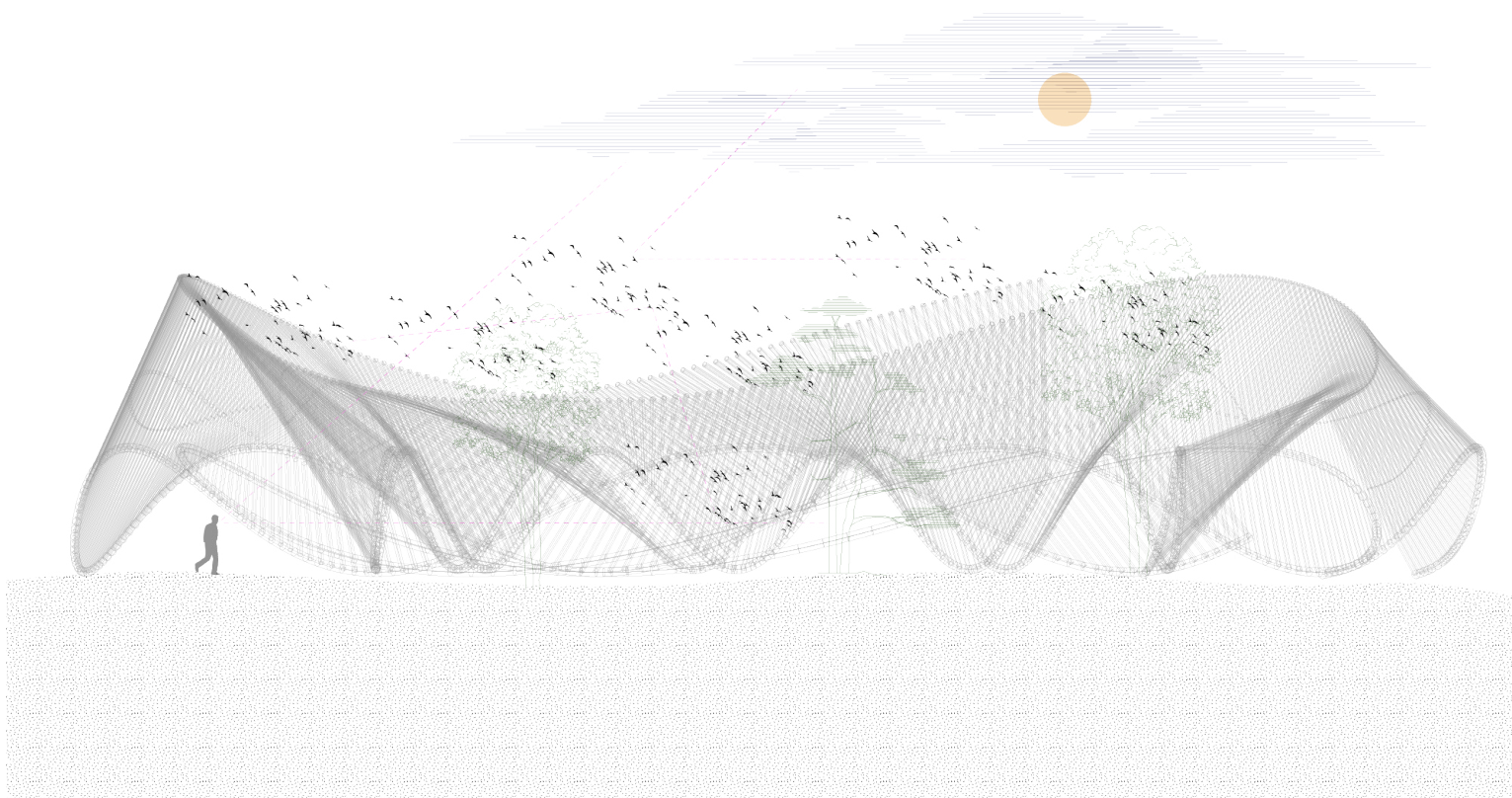
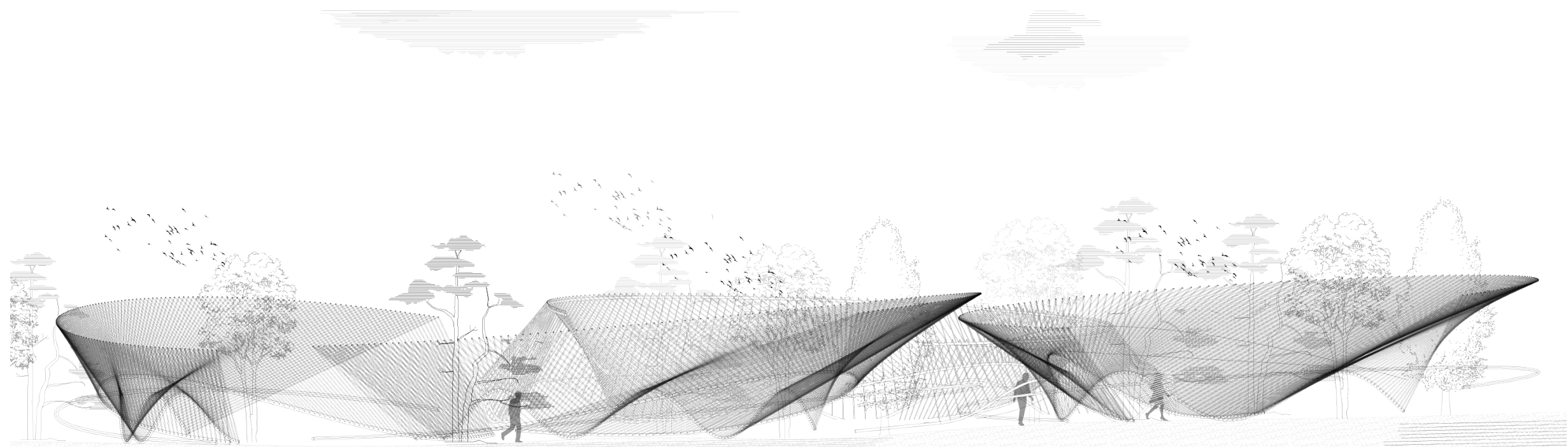
**STADIUM SOUTH-EAST SECTION**



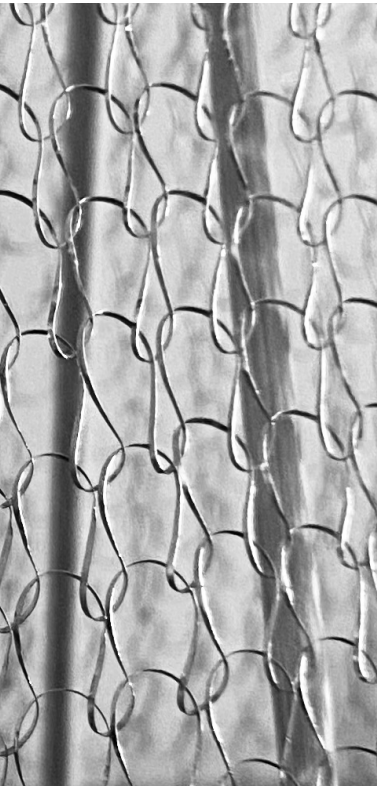
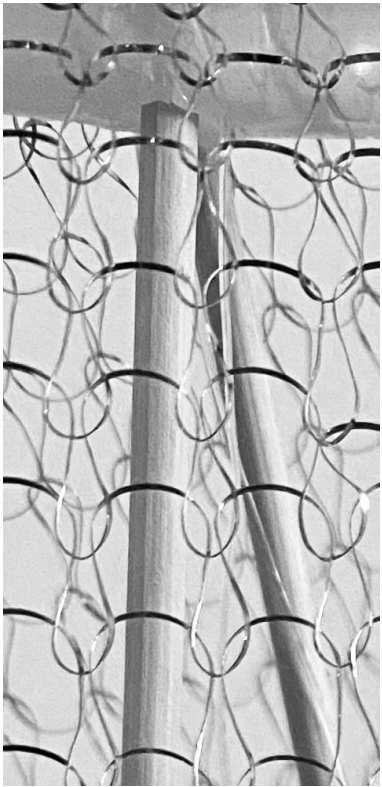
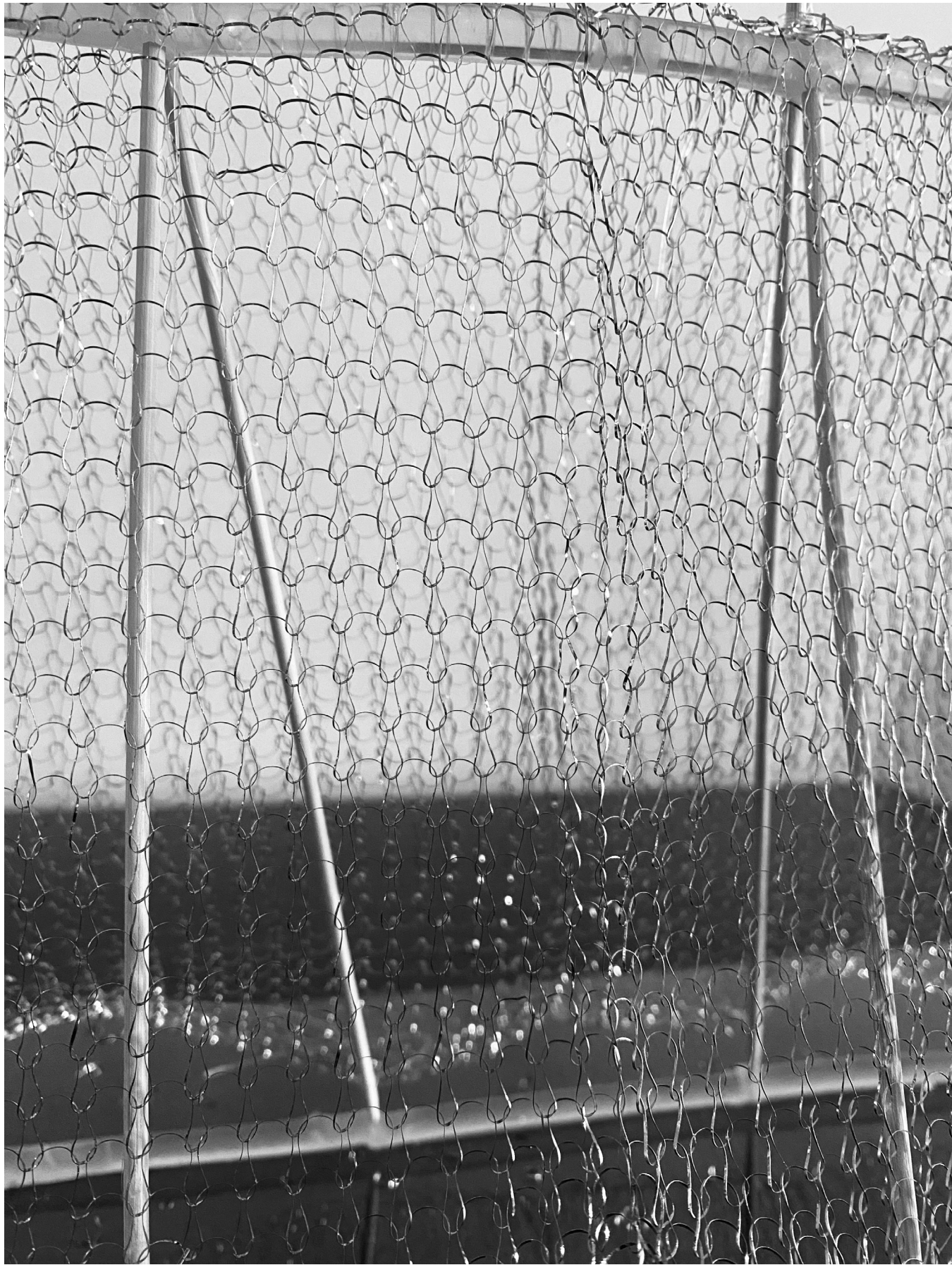


PAVILIONS SOUTH-EAST SECTION

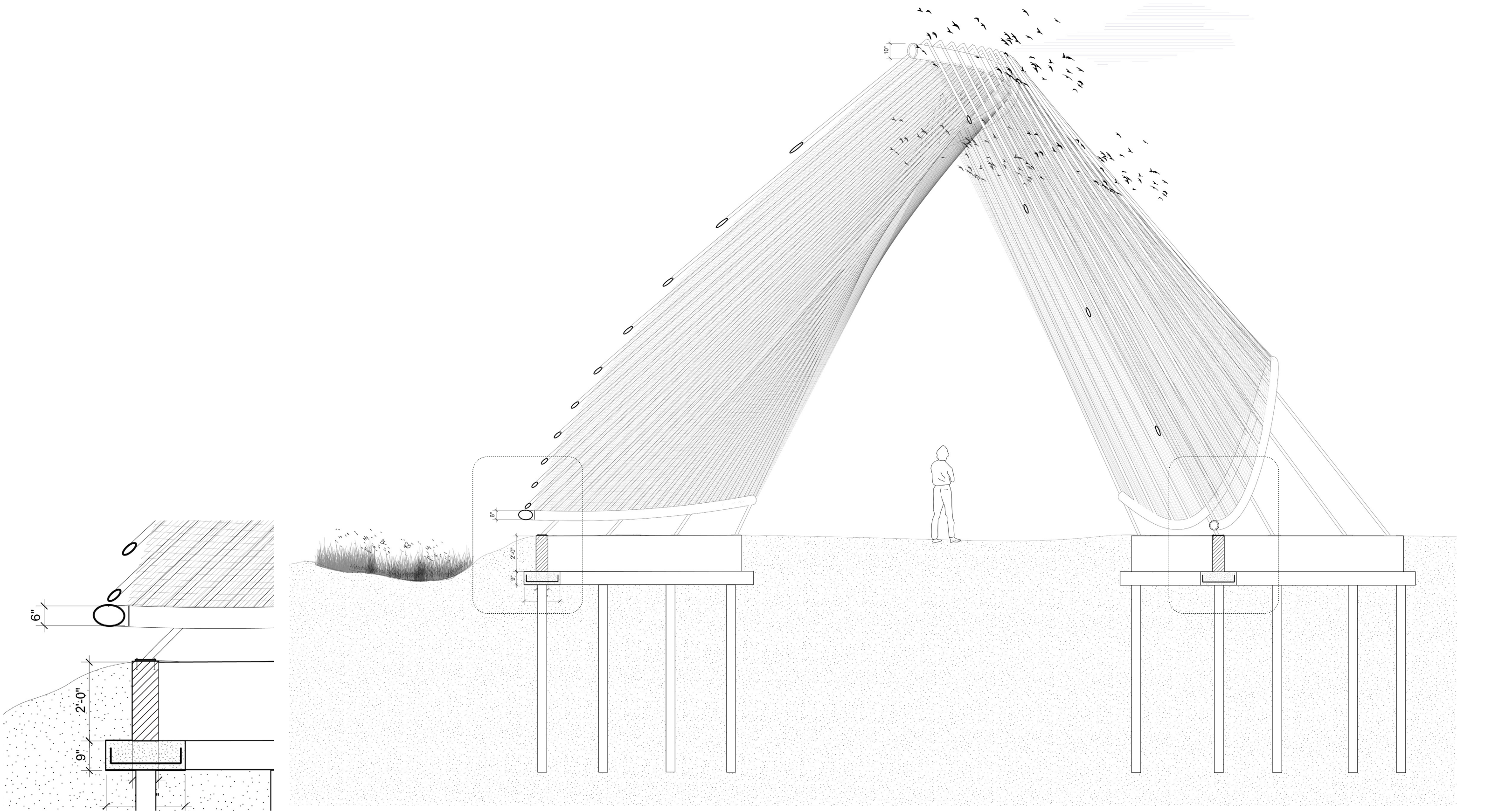




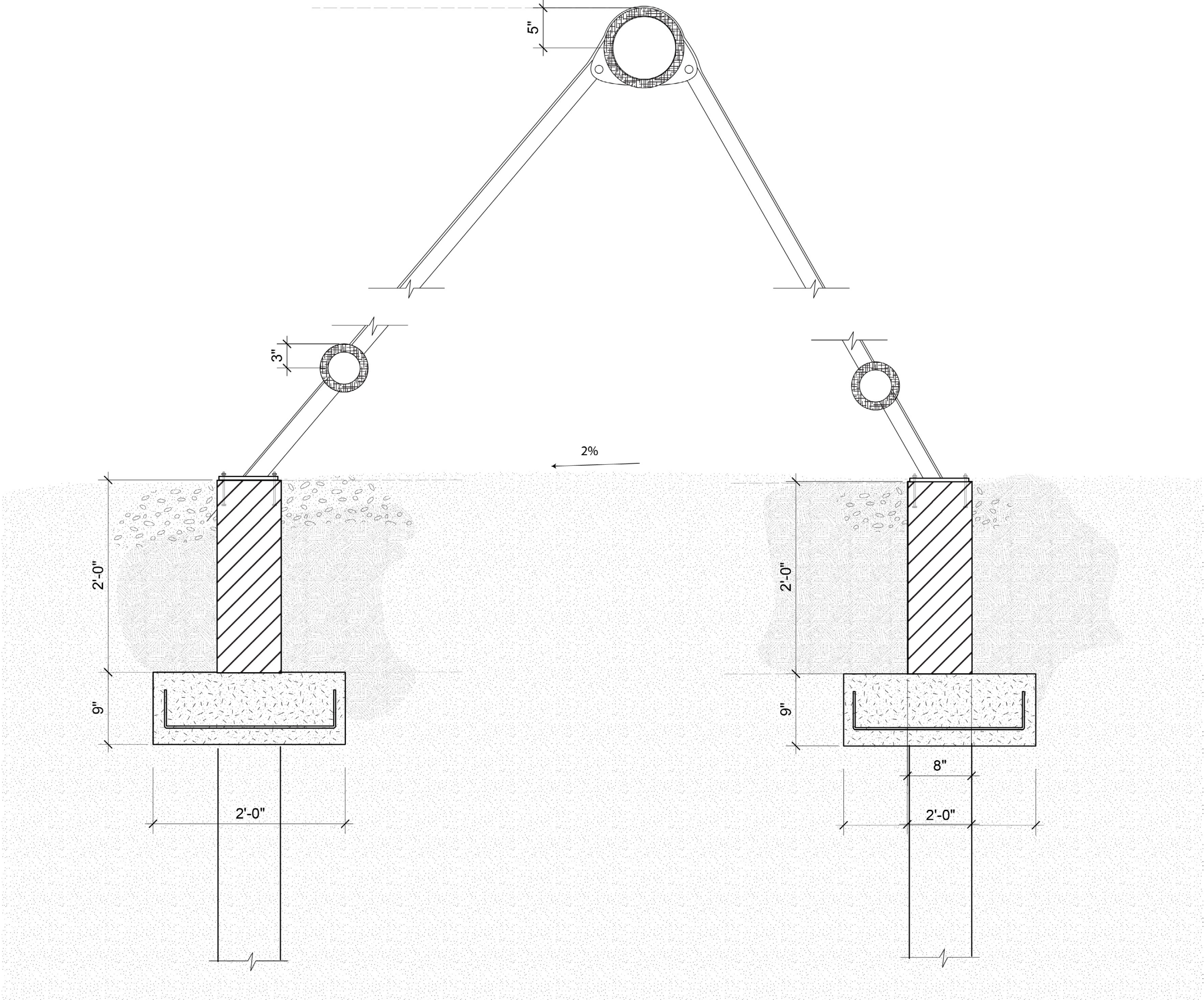






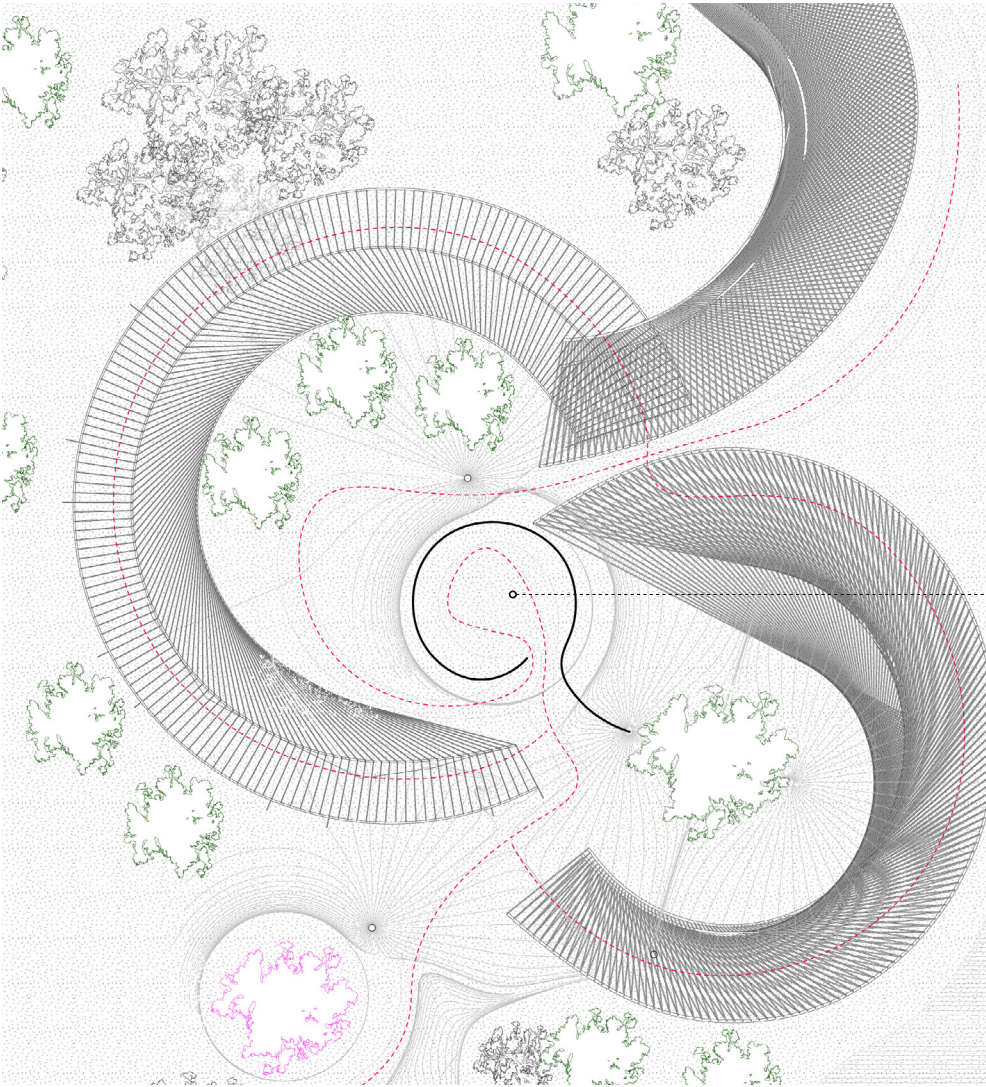
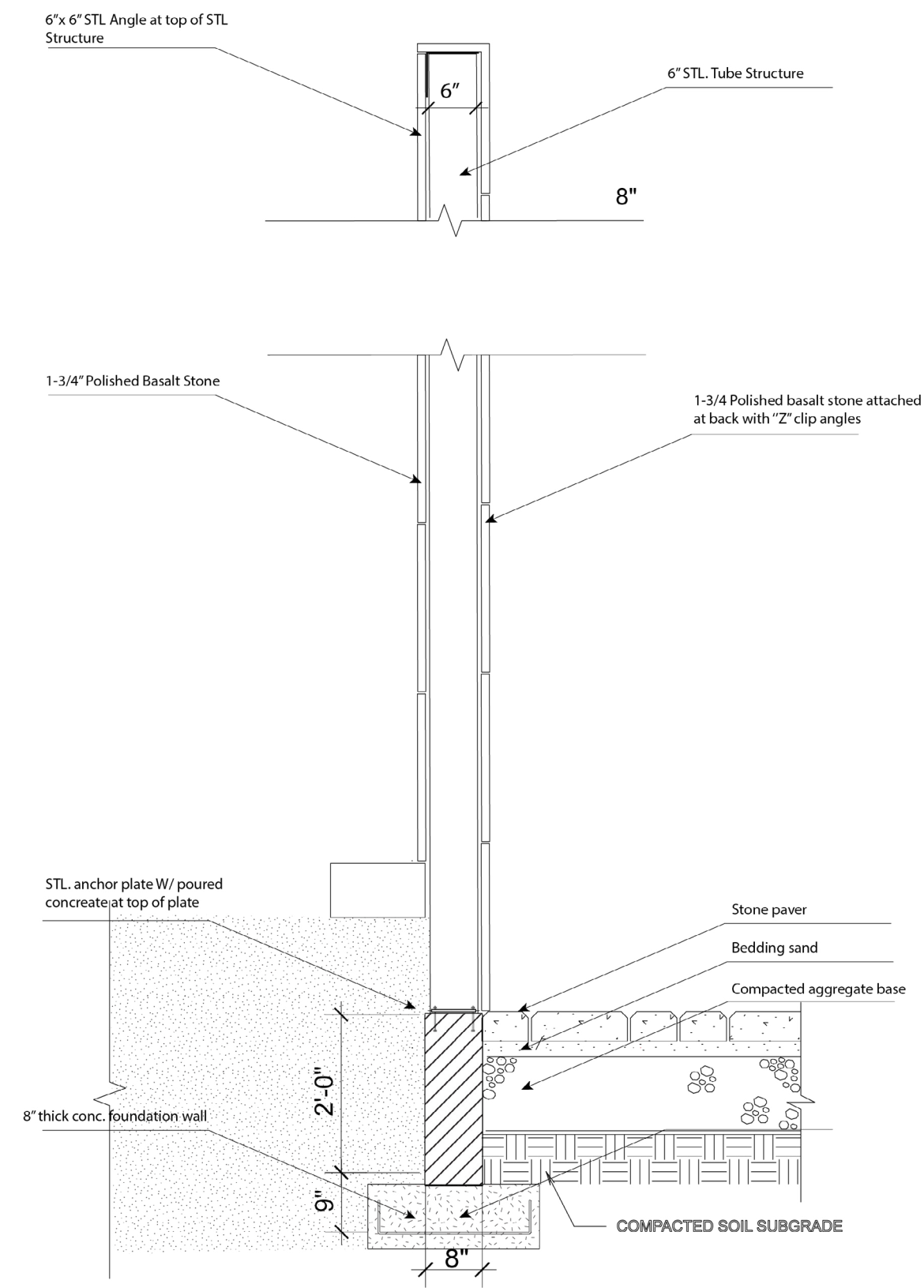








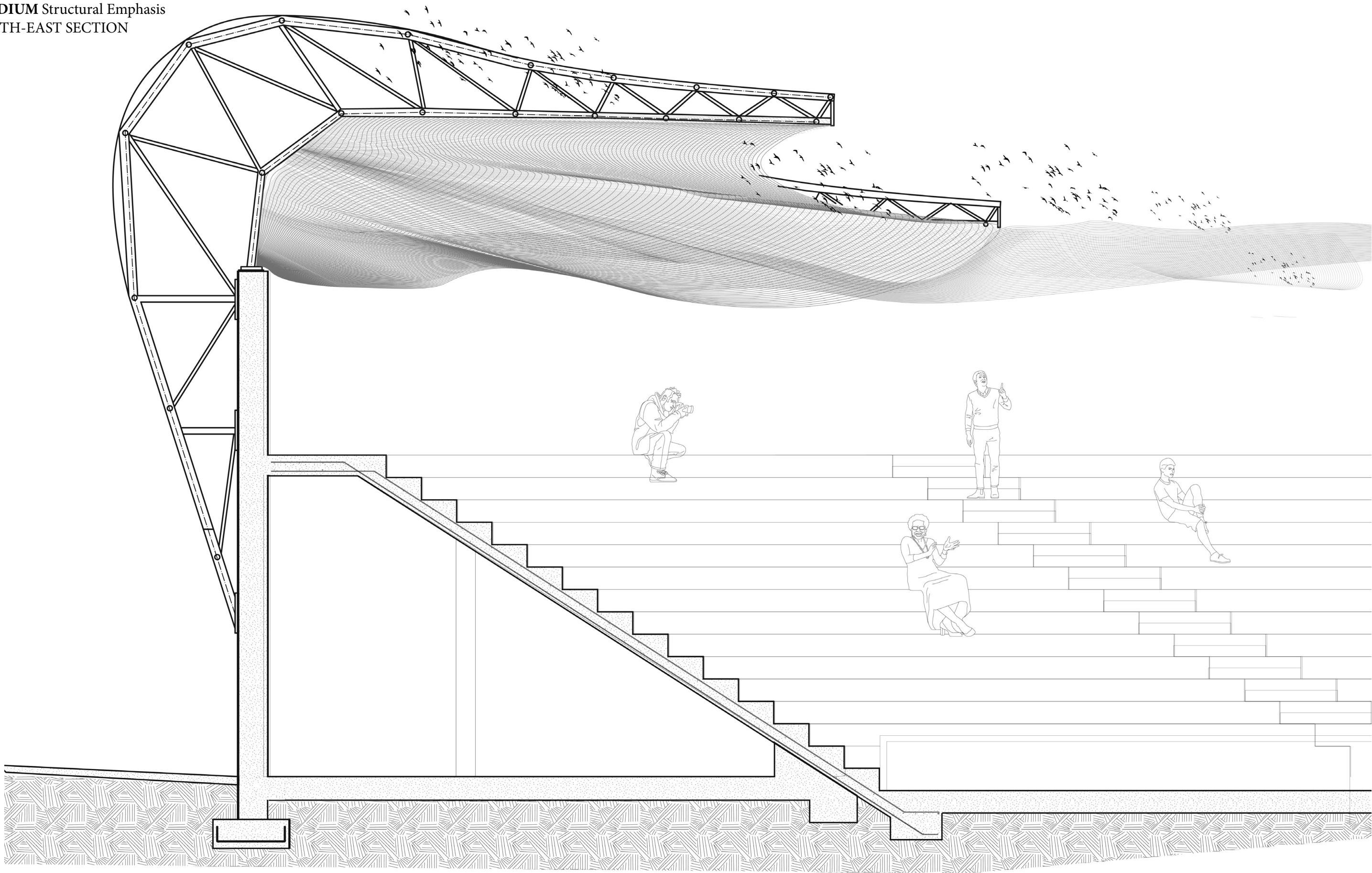
NATURE PAVILION Structural Emphasis



NATURE PAVILION

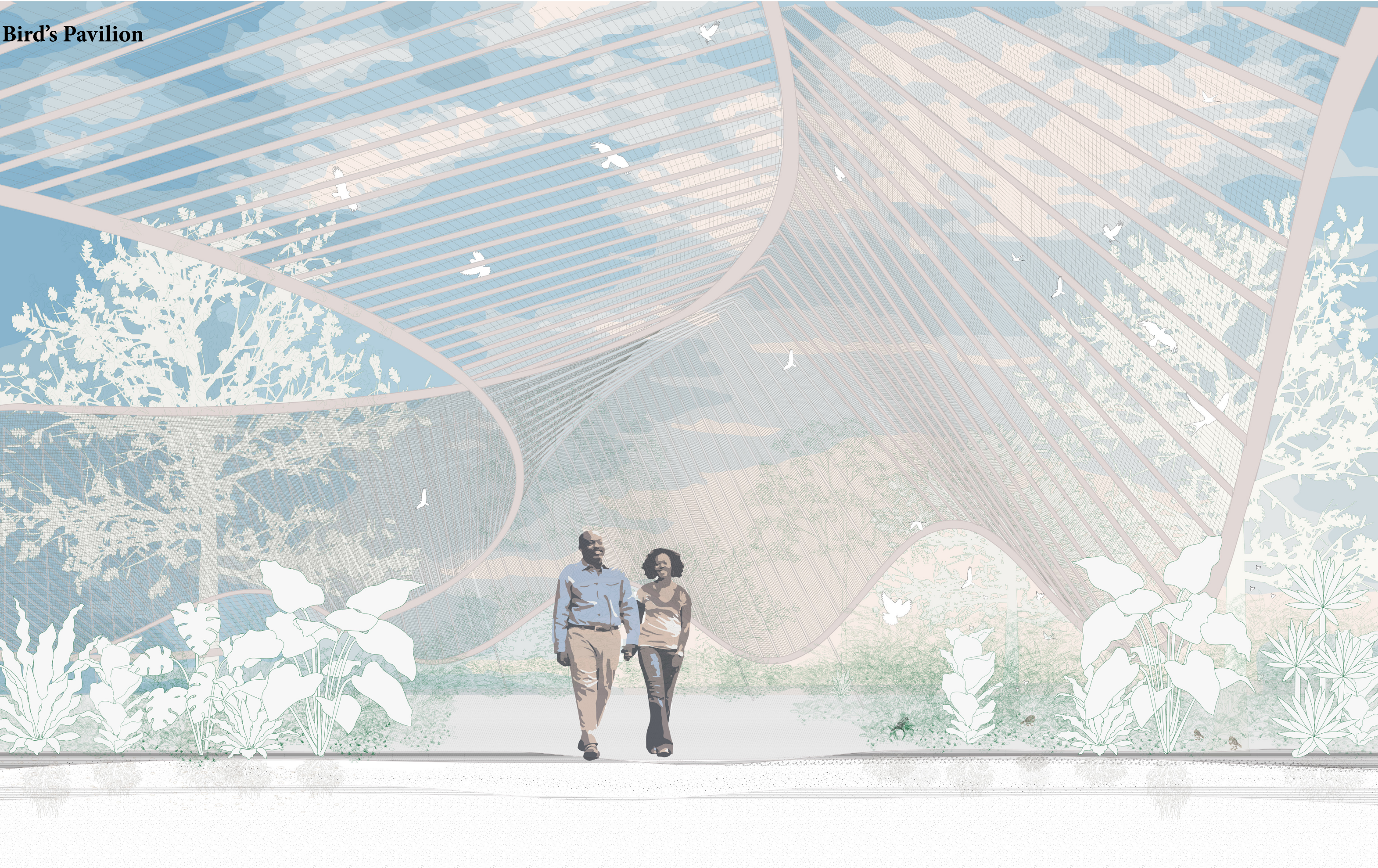


STADIUM Structural Emphasis  
SOUTH-EAST SECTION



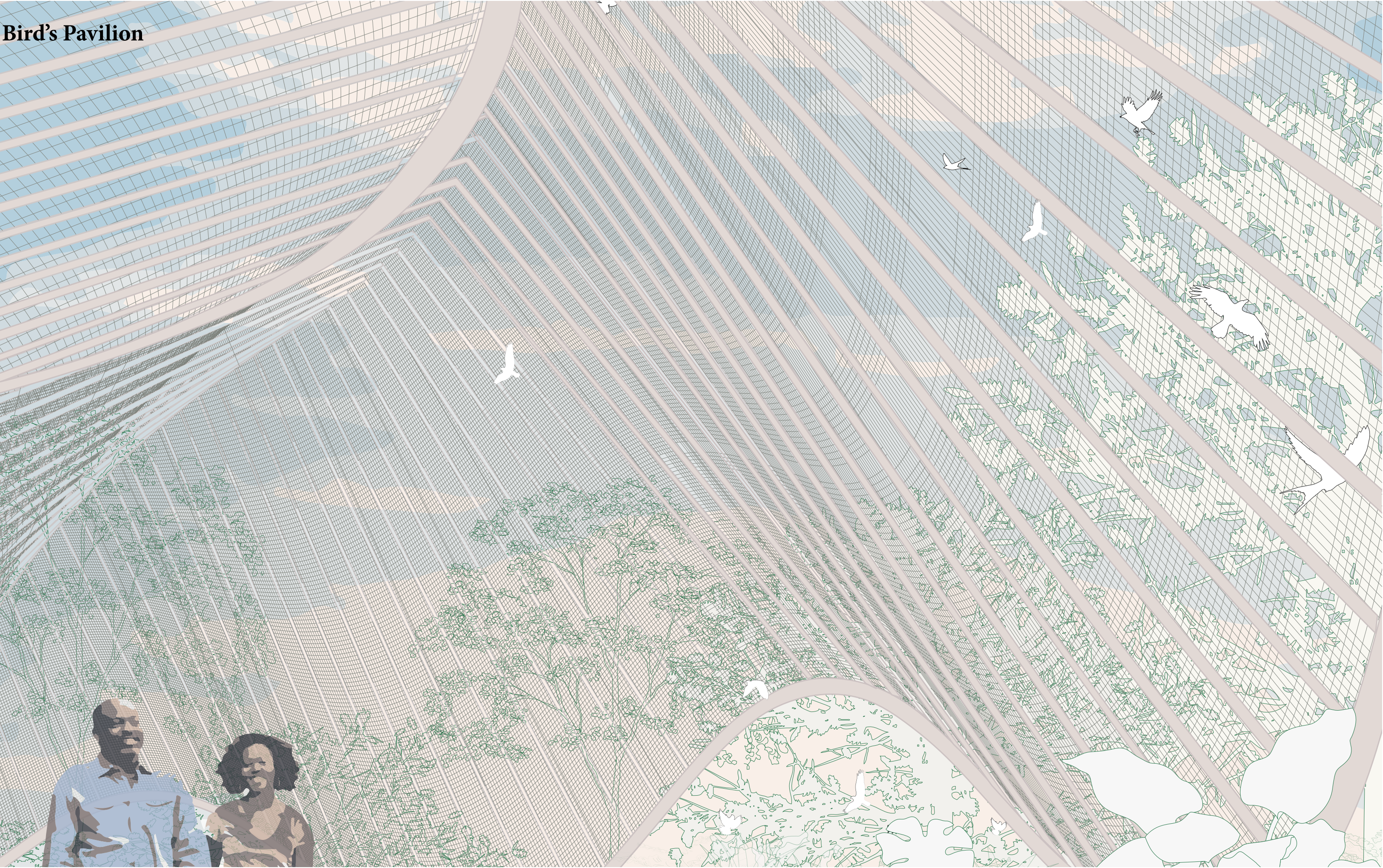


**Bird's Pavilion**



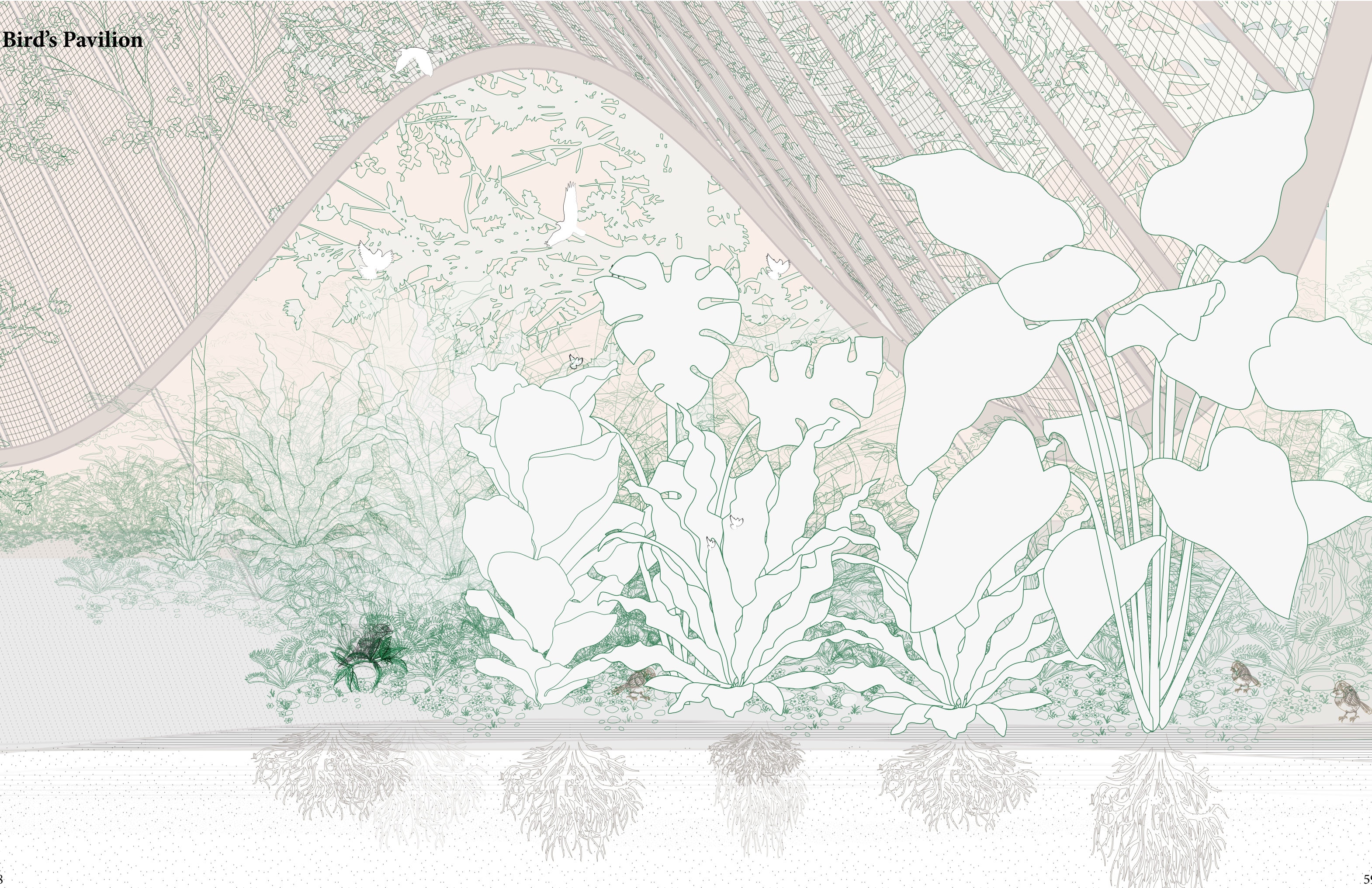


**Bird's Pavilion**





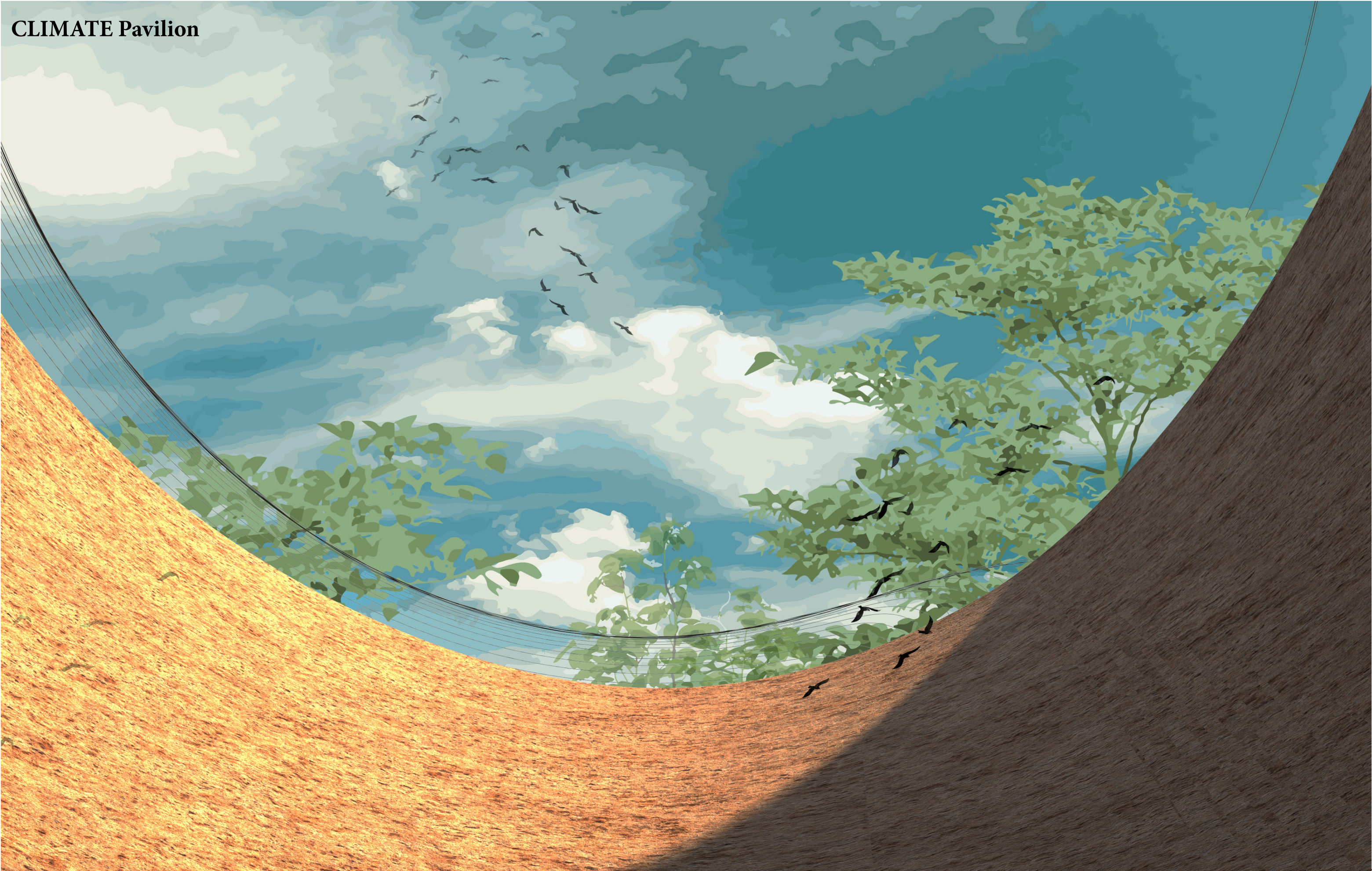
Bird's Pavilion

























**BIRD’S Pavilion**

