

A blue-tinted photograph of a sunset or sunrise over water. The sky is a deep, dark blue, and the water below is a lighter, shimmering blue. A horizontal line of light, possibly a reflection or a break in the water, runs across the middle of the image. The overall mood is serene and atmospheric.

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

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CONTENT

- 01 Preliminary Research**
Movement 1 – Wynter Wells Drawing School for Environmental Liberation:
Migration Stories Drawings
Movement 2 - Migration and Space: Spatial Translation Construction
Movement 3 – Site Research and Theorization
- 02 Design and Body**
Preliminary design process drawings
Body and Space
Enlarged Spatial Detail Section drawing including the body
- 03 Intervention**
Spatial Strategy Diagrams
- 04 Drawings**
Site Plan; Scale 1:32
Site Section(s); Scale 1:32
Horizontal Sections; Scale 1:16
Vertical Sections; Scale 1:16
- 05 Structural emphasis**
- 06 Three dimensional interiority & exteriority views**

In Between Water and Sky

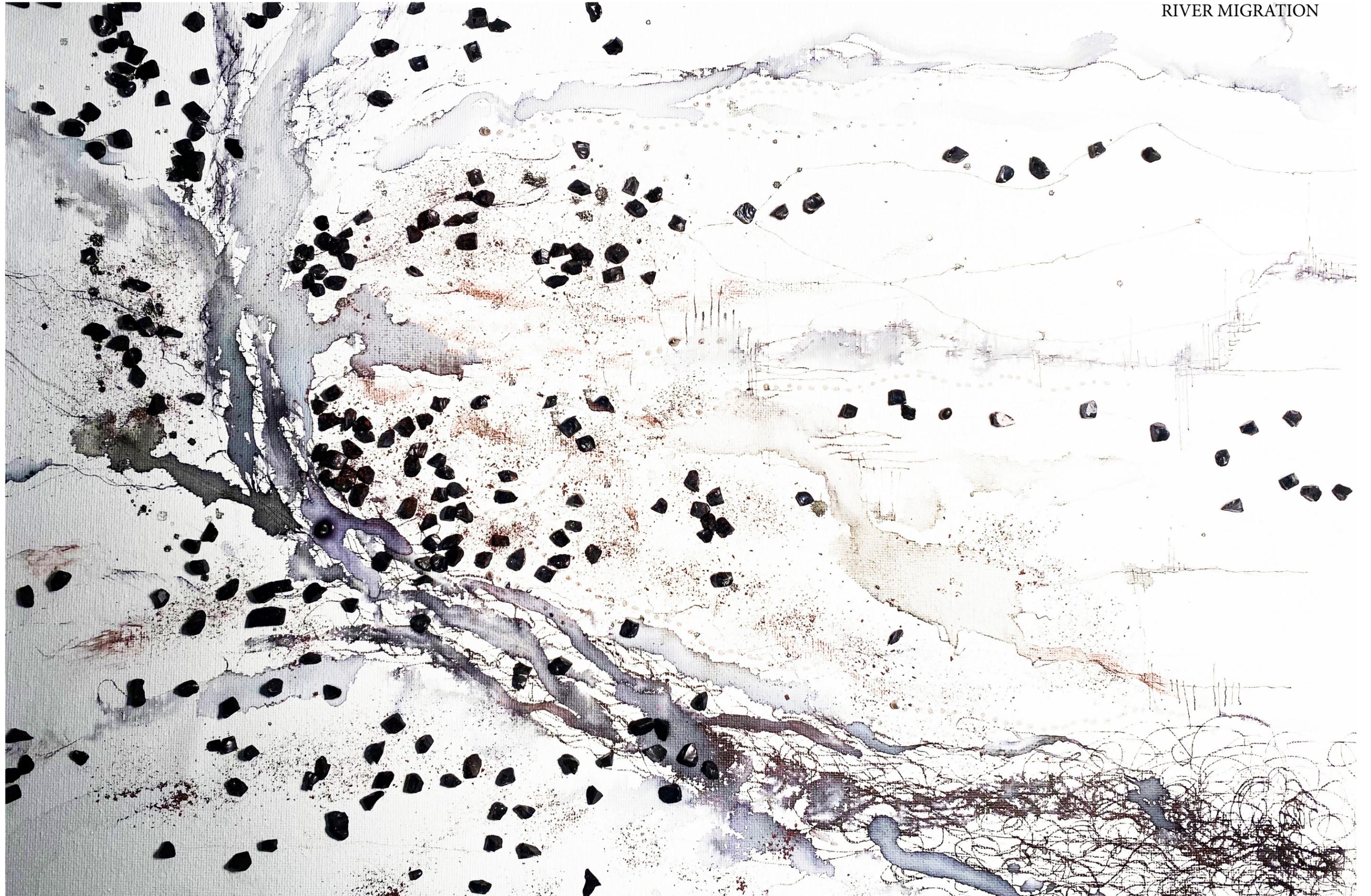
Today, during the climate change dilemma and the environmental crisis, it's vital to not just simply mimic nature while designing but understand its essence and create a language of exchange between natural and built environments.

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.

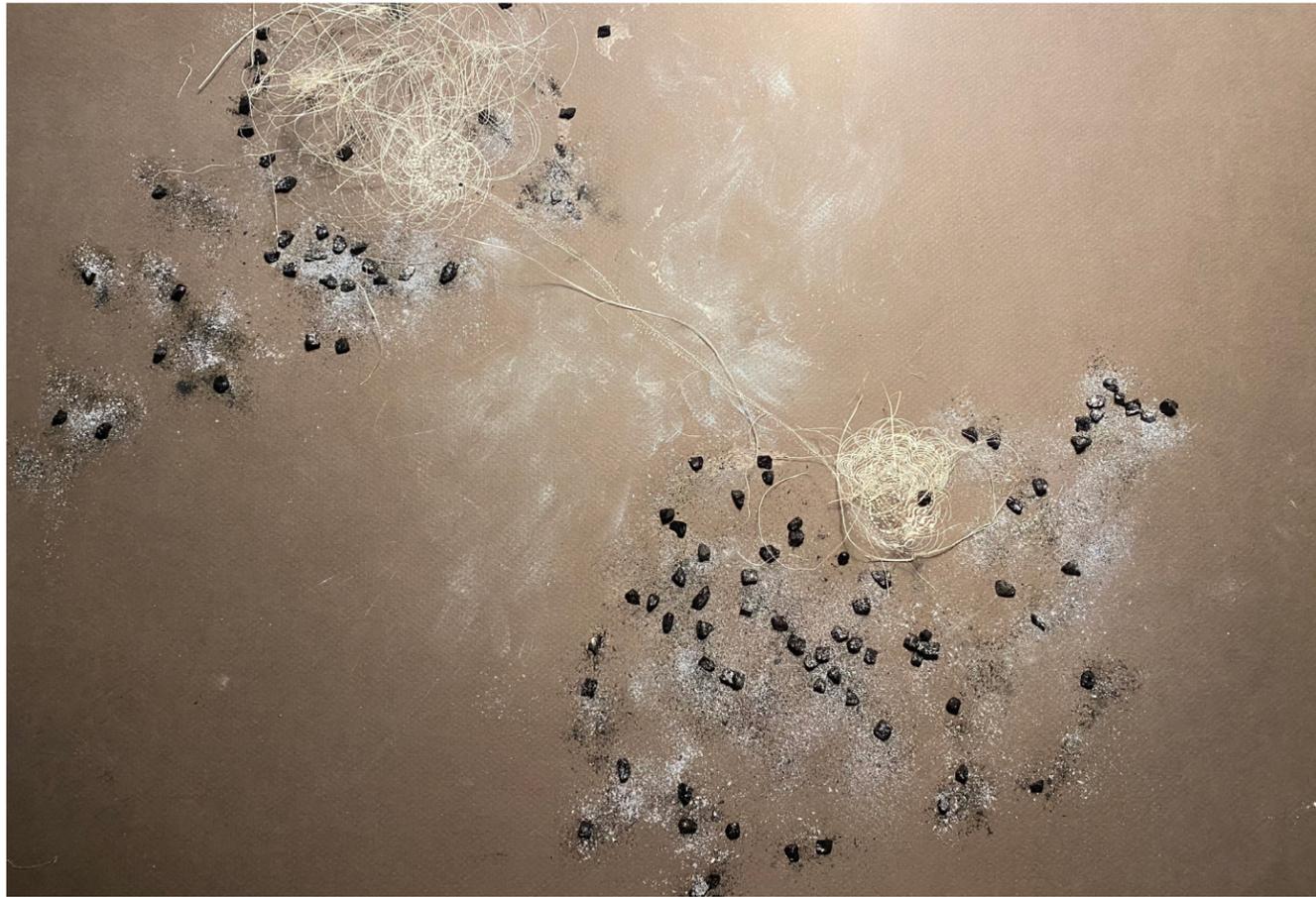
Lenape Delaware people, Indigenous people of the northeastern woodlands, had a traditional ecological knowledge and complex understanding of the natural world transmit with symbols and mythology. In Native American culture, it is believed that all things possess an inherent virtue, power, and wisdom. 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.



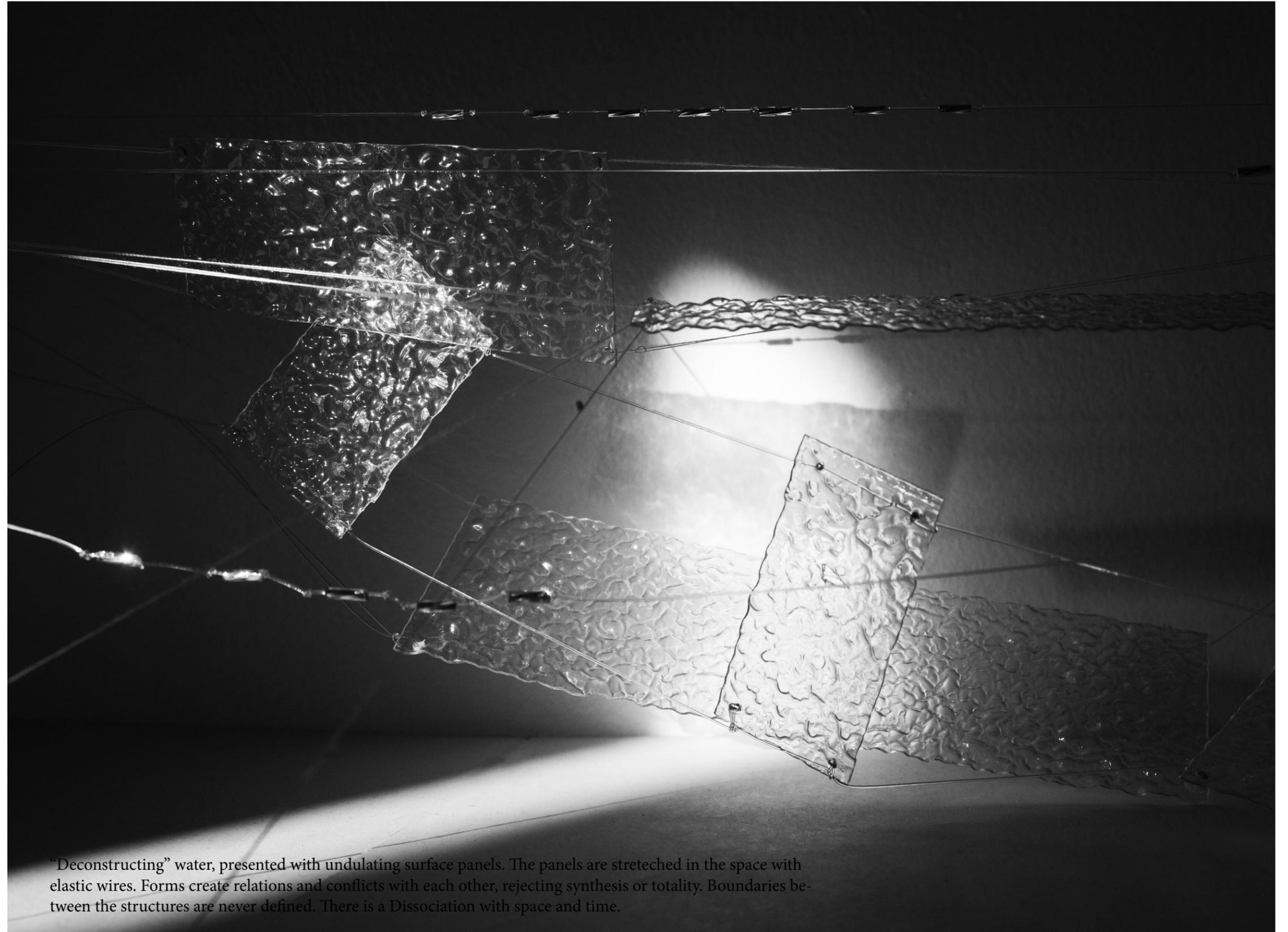
Migration story of Blackpoll Warbler



CONCEPTUAL MODEL BASED ON MIGRATION STORY OF BLACKPOLL WARBLER

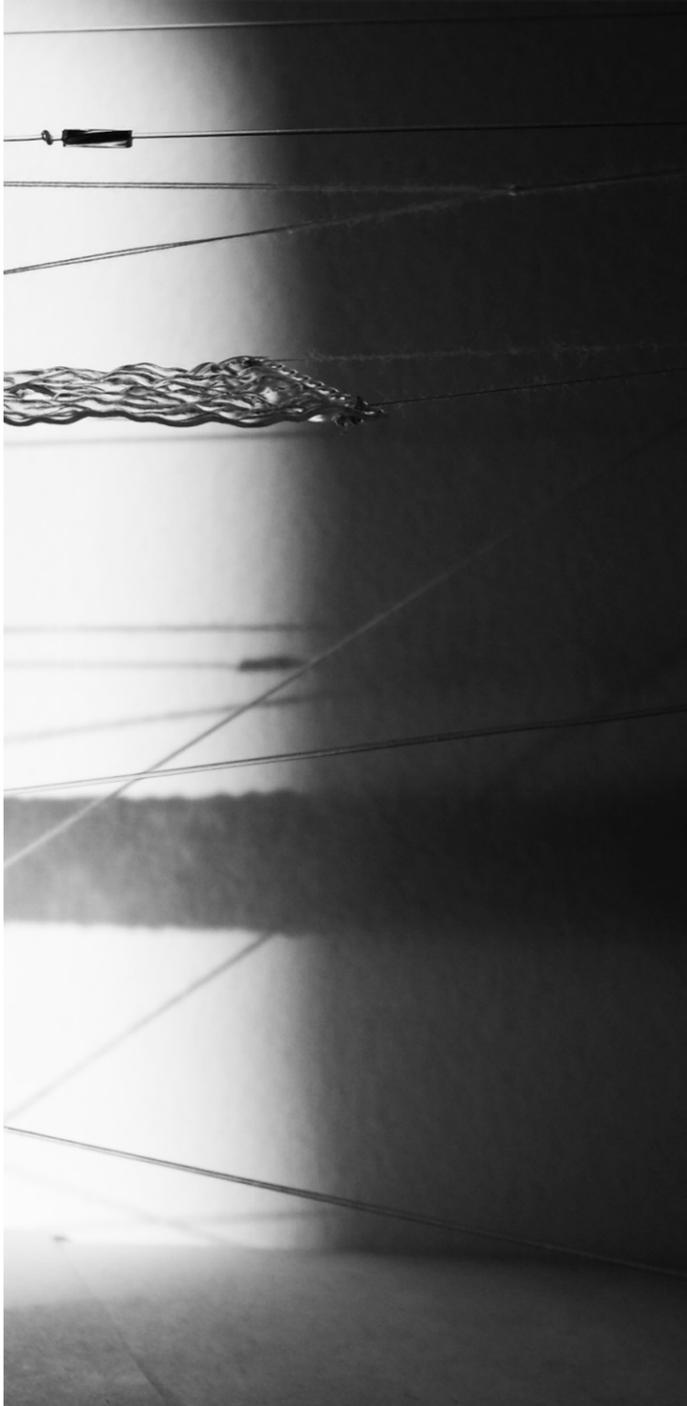
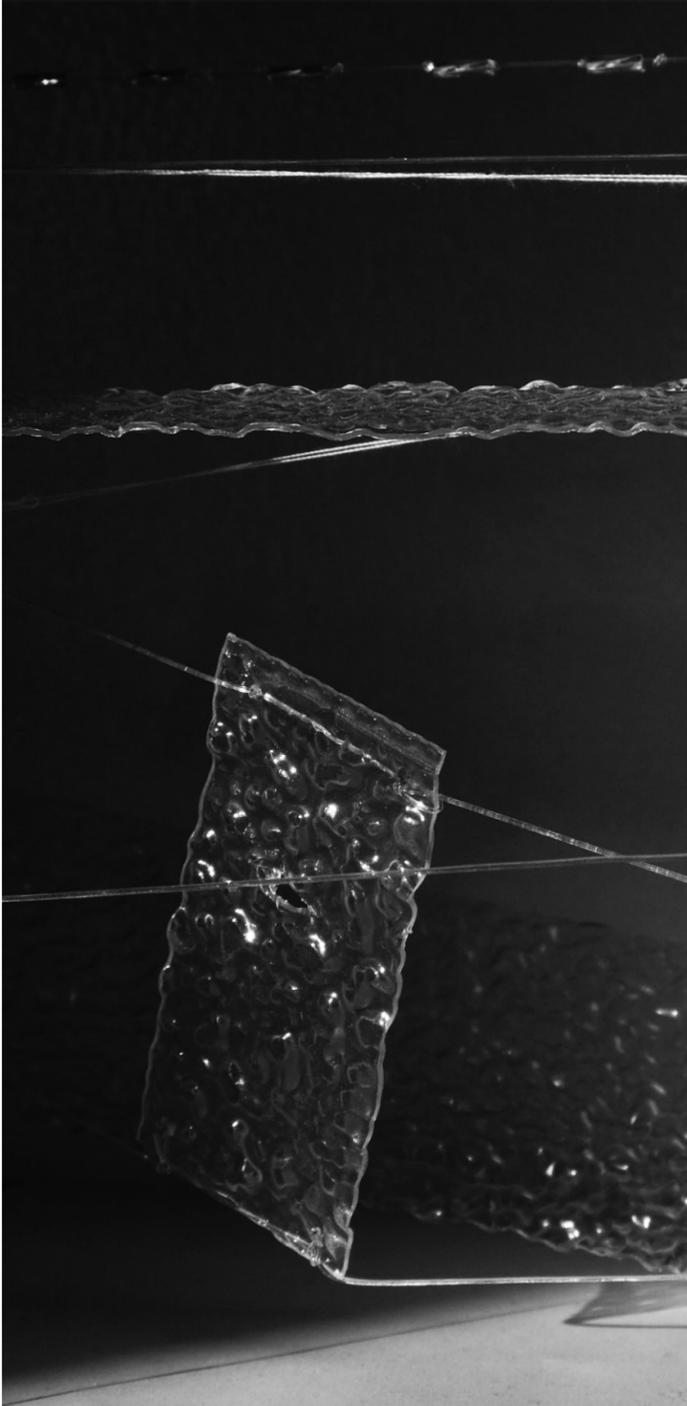
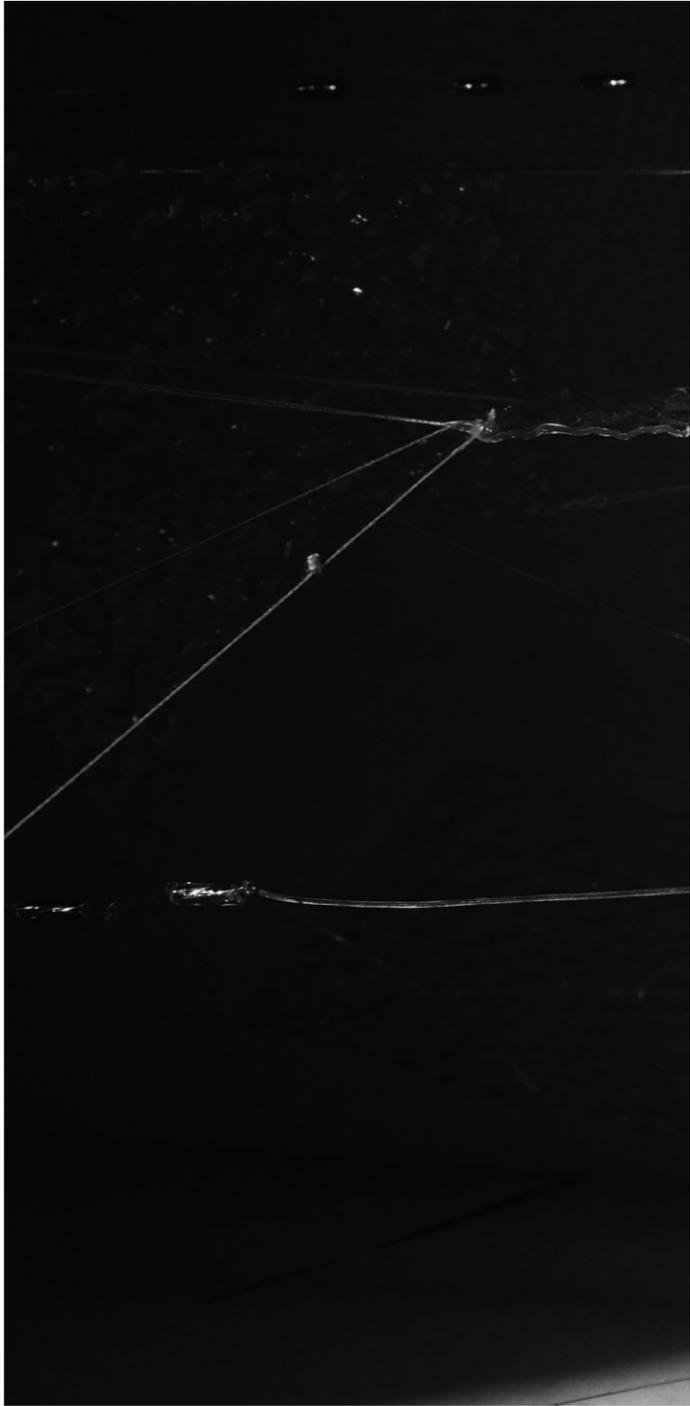


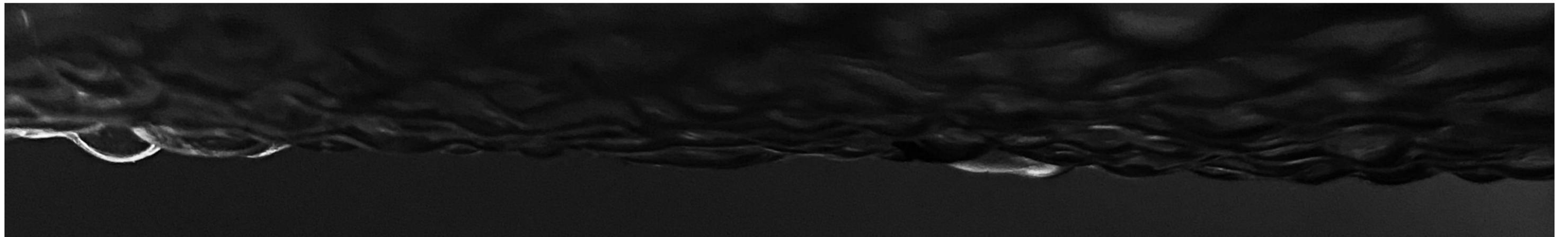
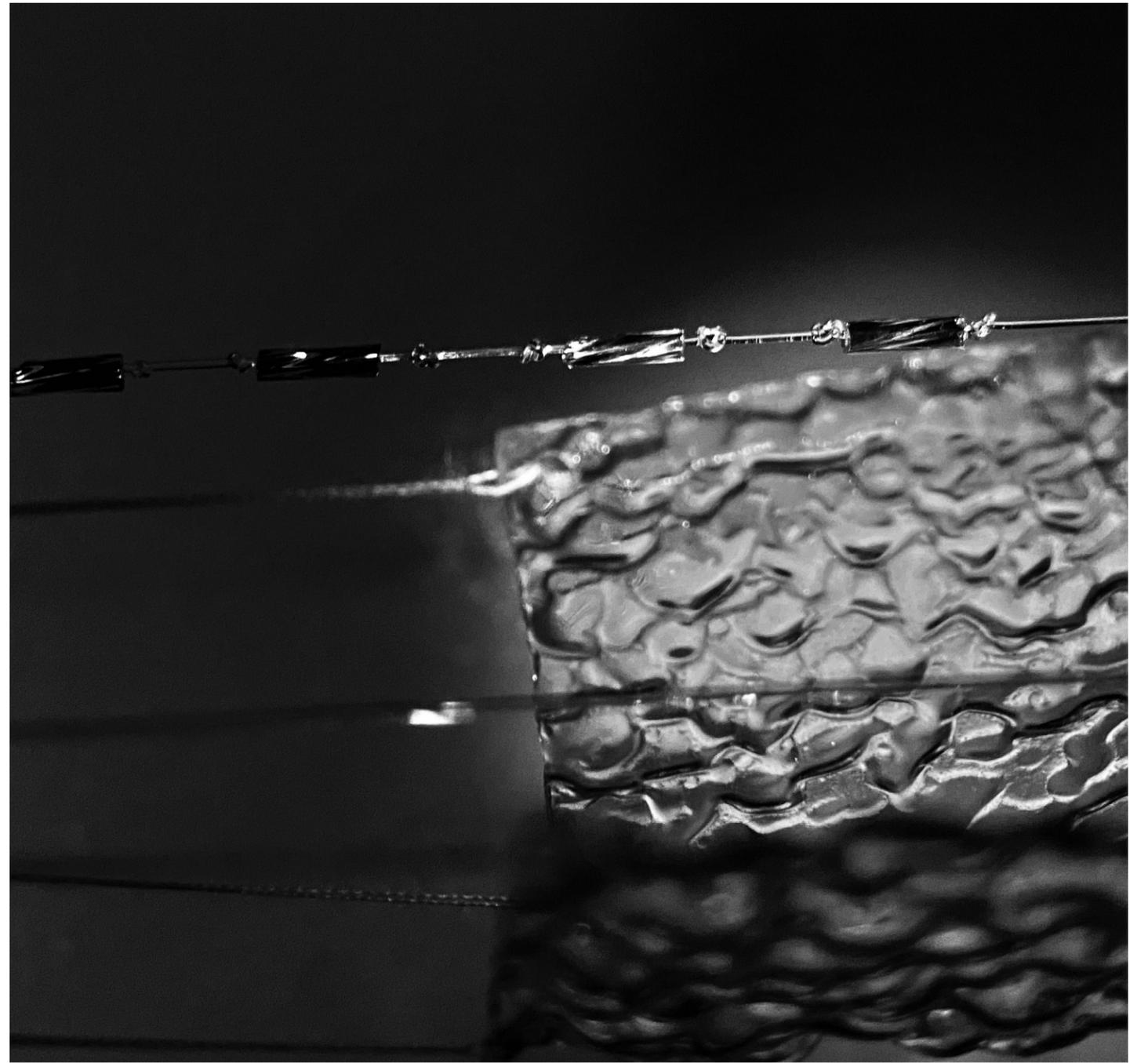
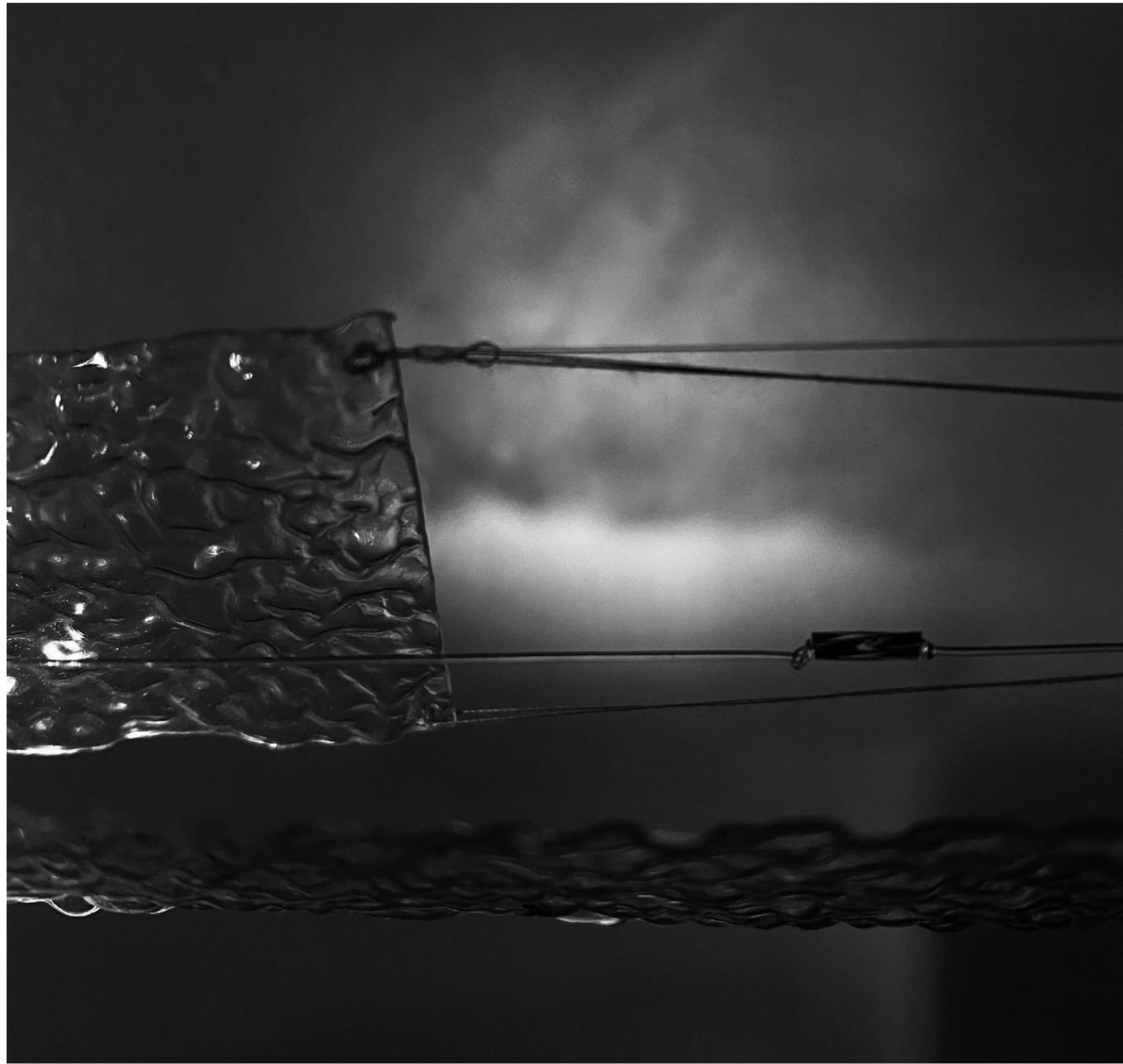
CONSTRUCTION BASED ON MIGRATION STORY OF BLACKPOLL WARBLER



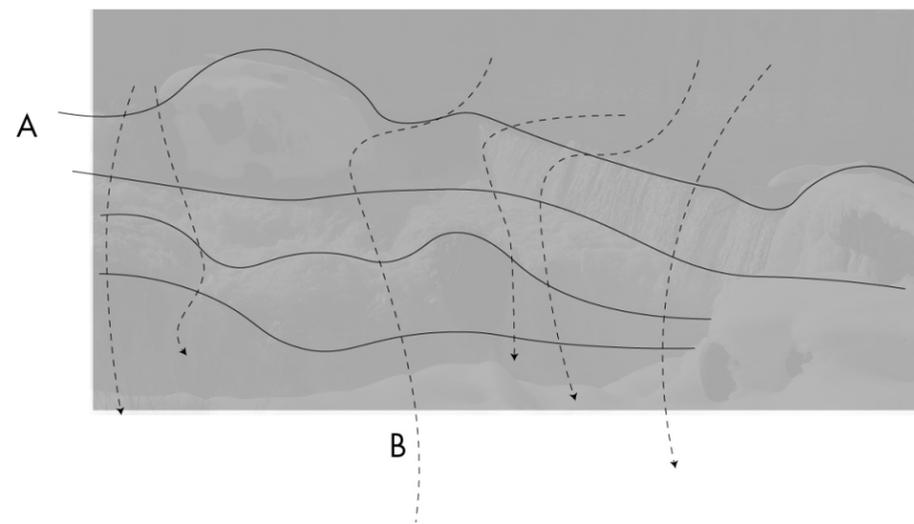
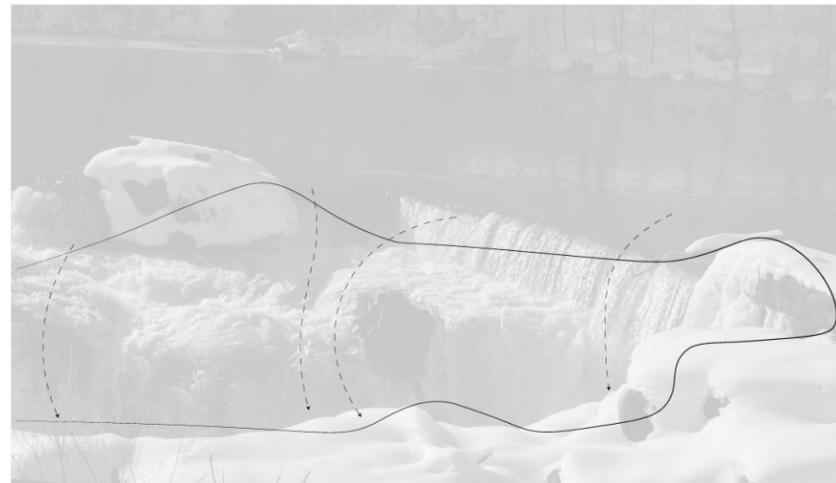
“Deconstructing” water, presented with undulating surface panels. The panels are stretched in the space with elastic wires. Forms create relations and conflicts with each other, rejecting synthesis or totality. Boundaries between the structures are never defined. There is a Dissociation with space and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

CONSTRUCTION BASED ON MIGRATION STORY OF BLACKPOLL WARBLER





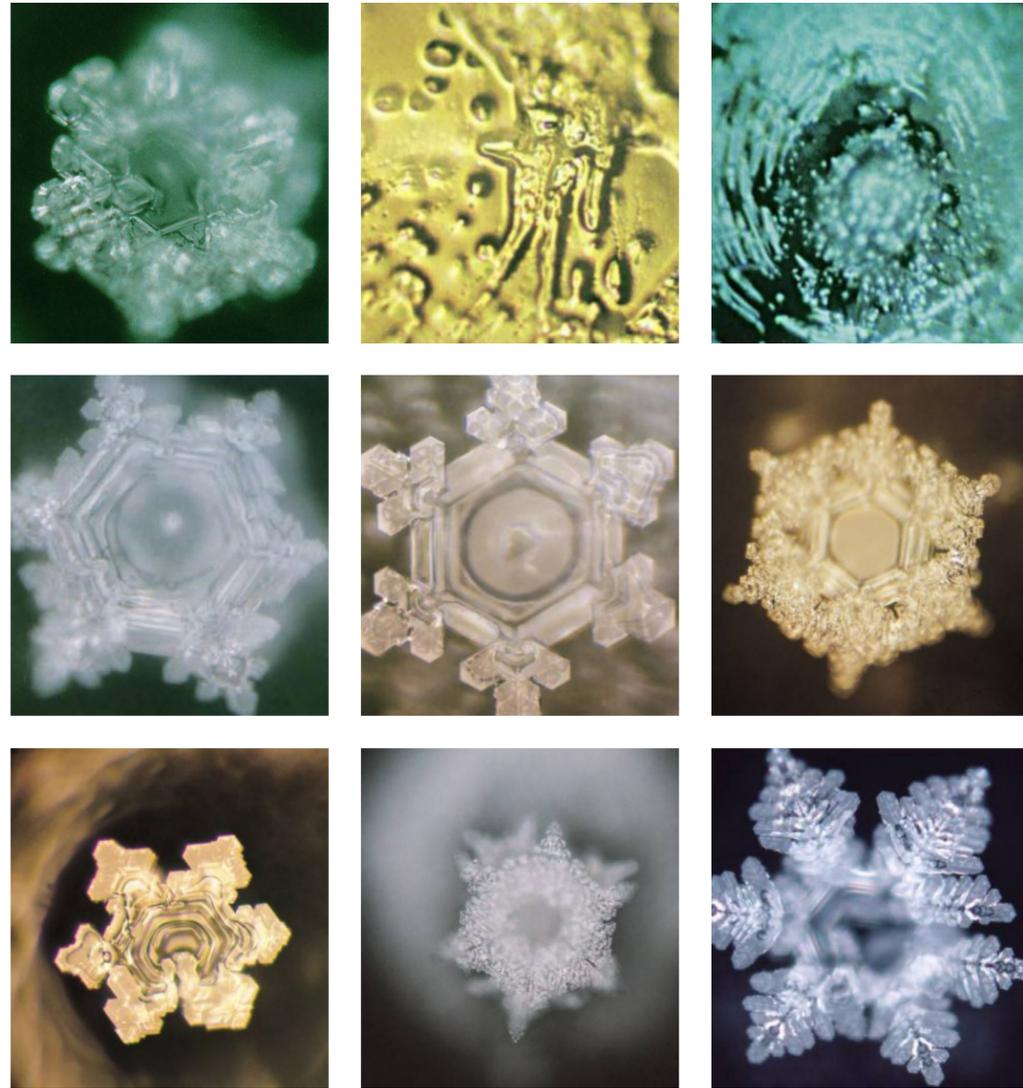
SITE ANALYSIS | GREAT FALLS



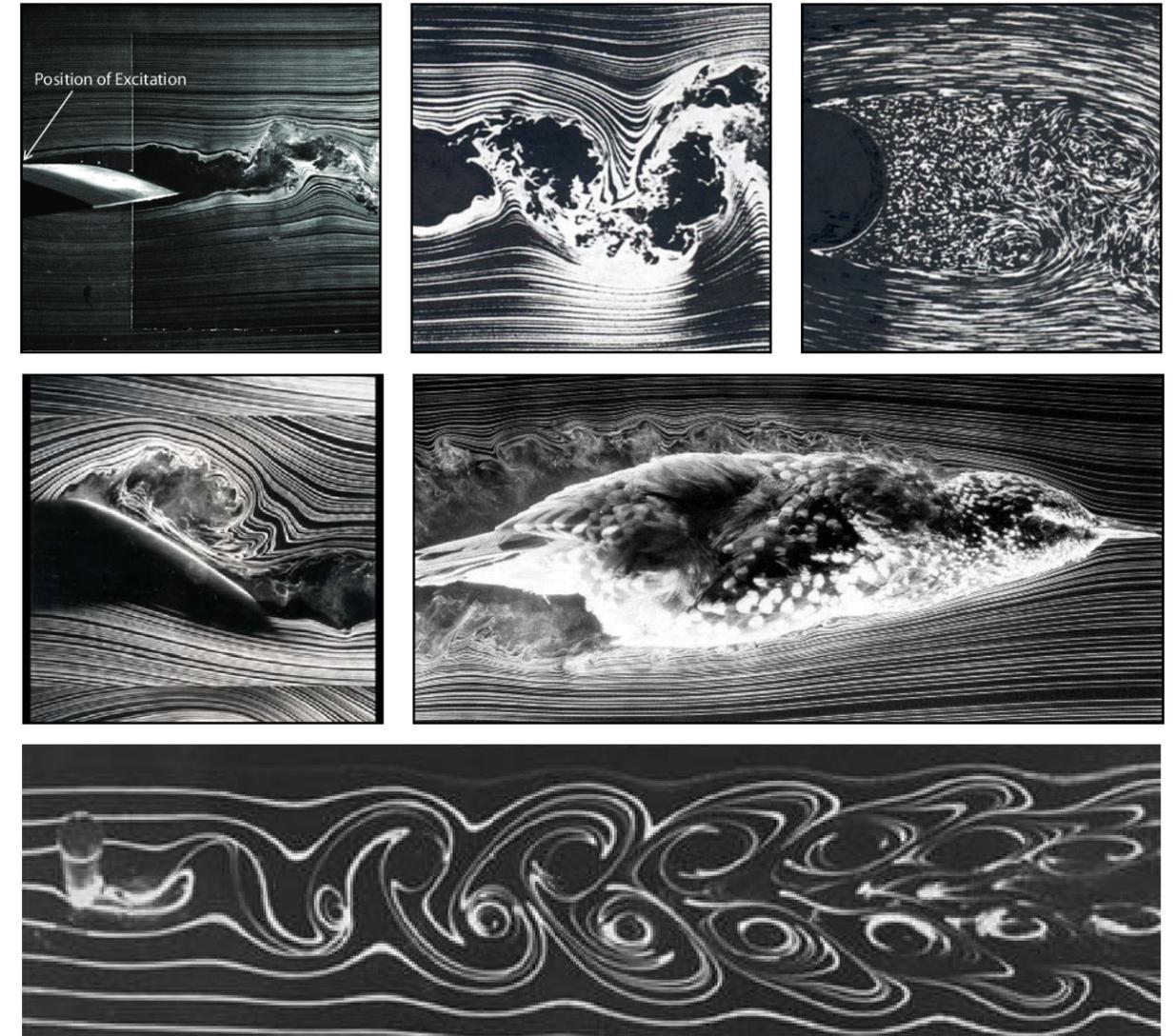
SITE ANALYSIS | GREAT FALLS



WHAT IS REALLY A WATER?

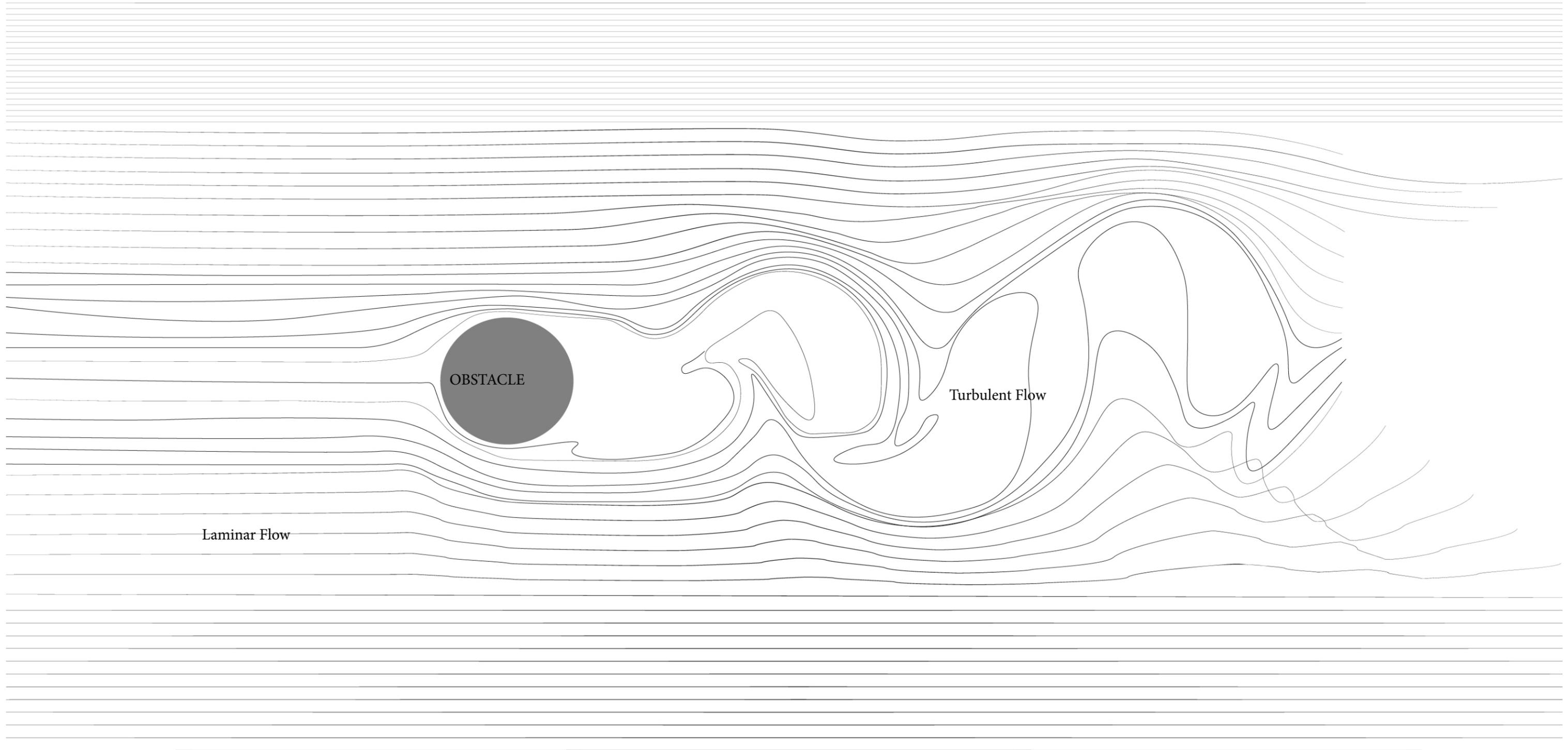


Masaru Emoto_The hidden messages in Water

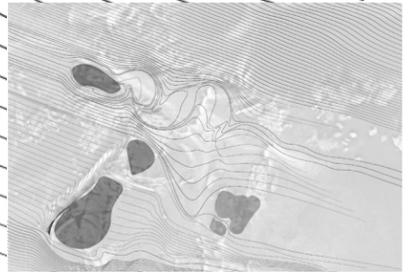
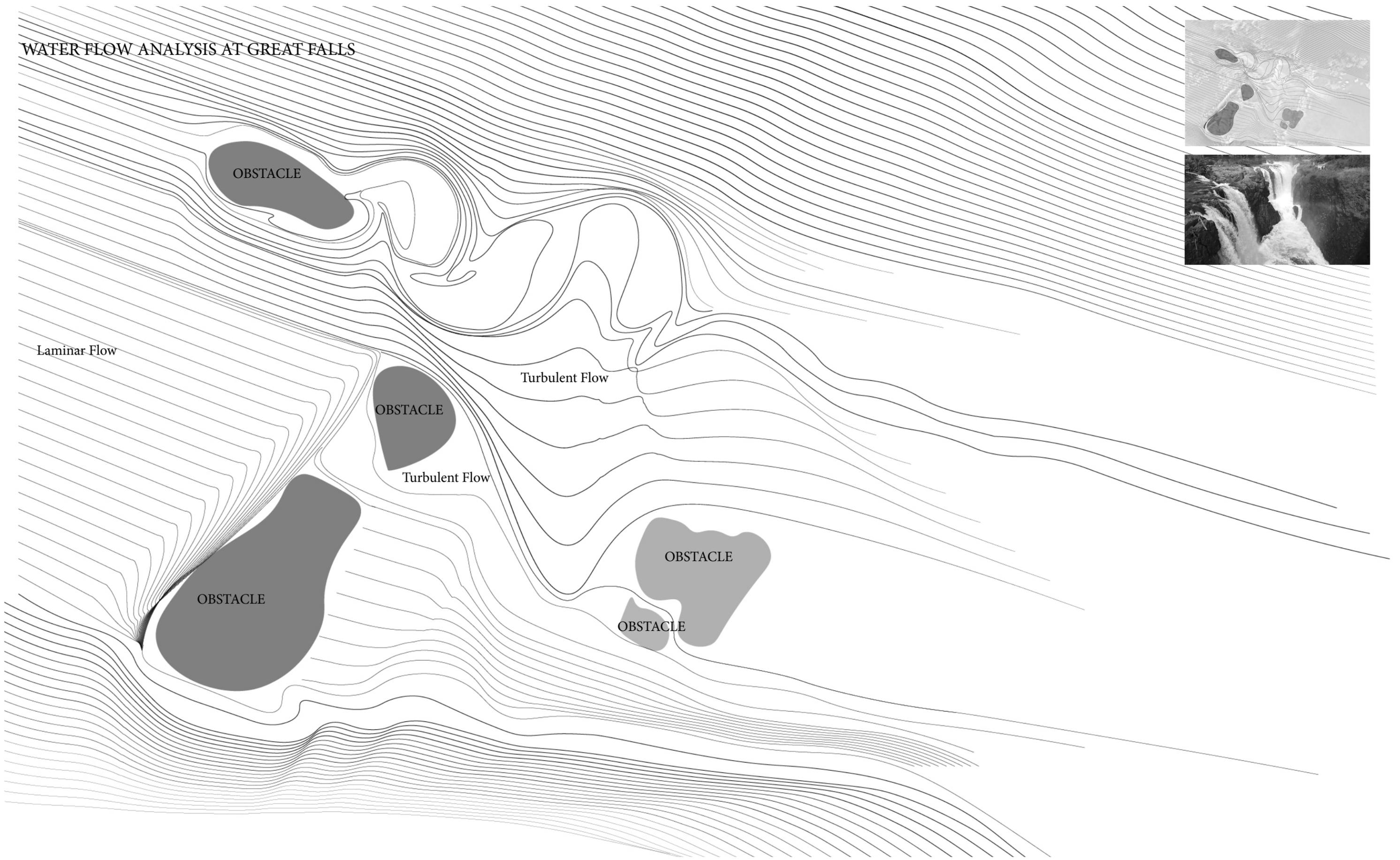


Water-Air Flow Analysis.

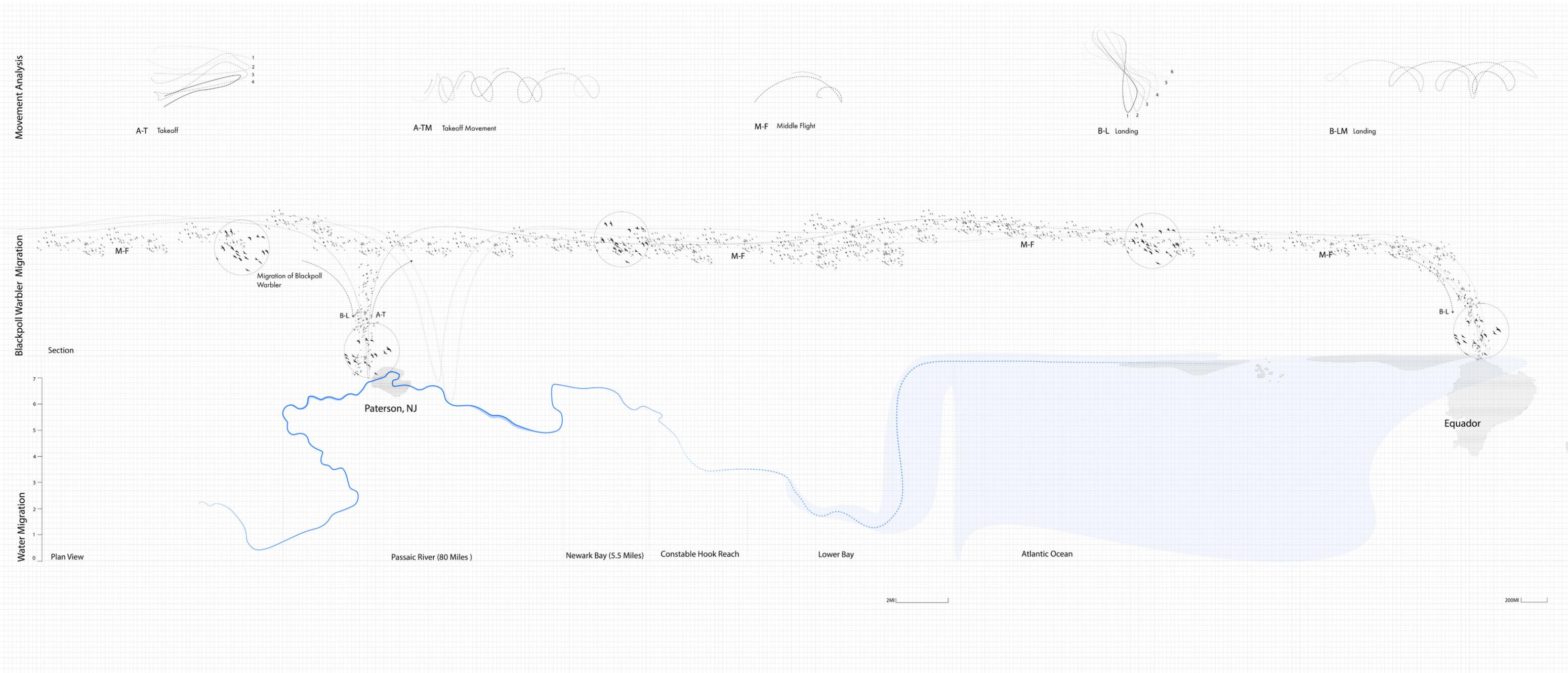
WATER FLOW ANALYSIS



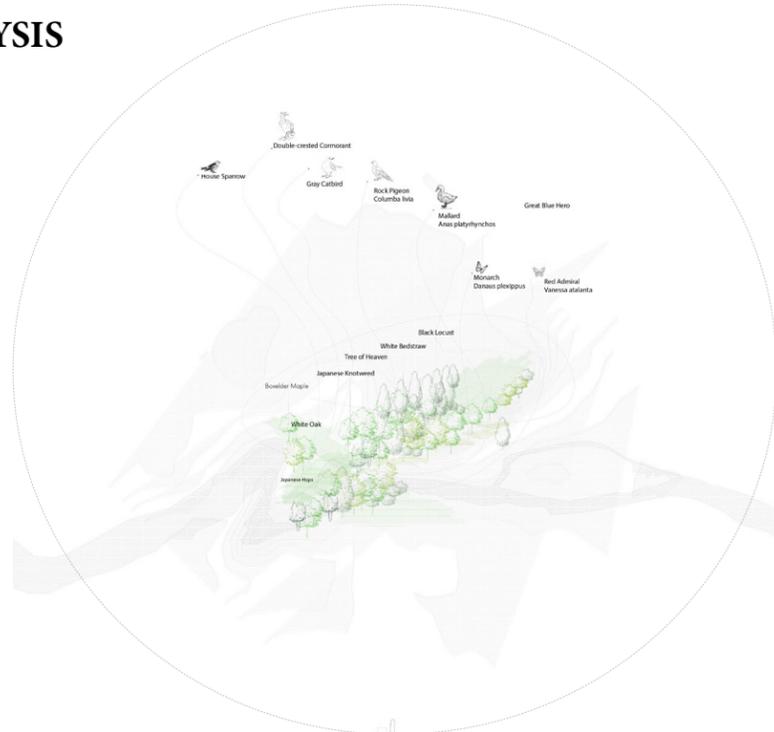
WATER FLOW ANALYSIS AT GREAT FALLS



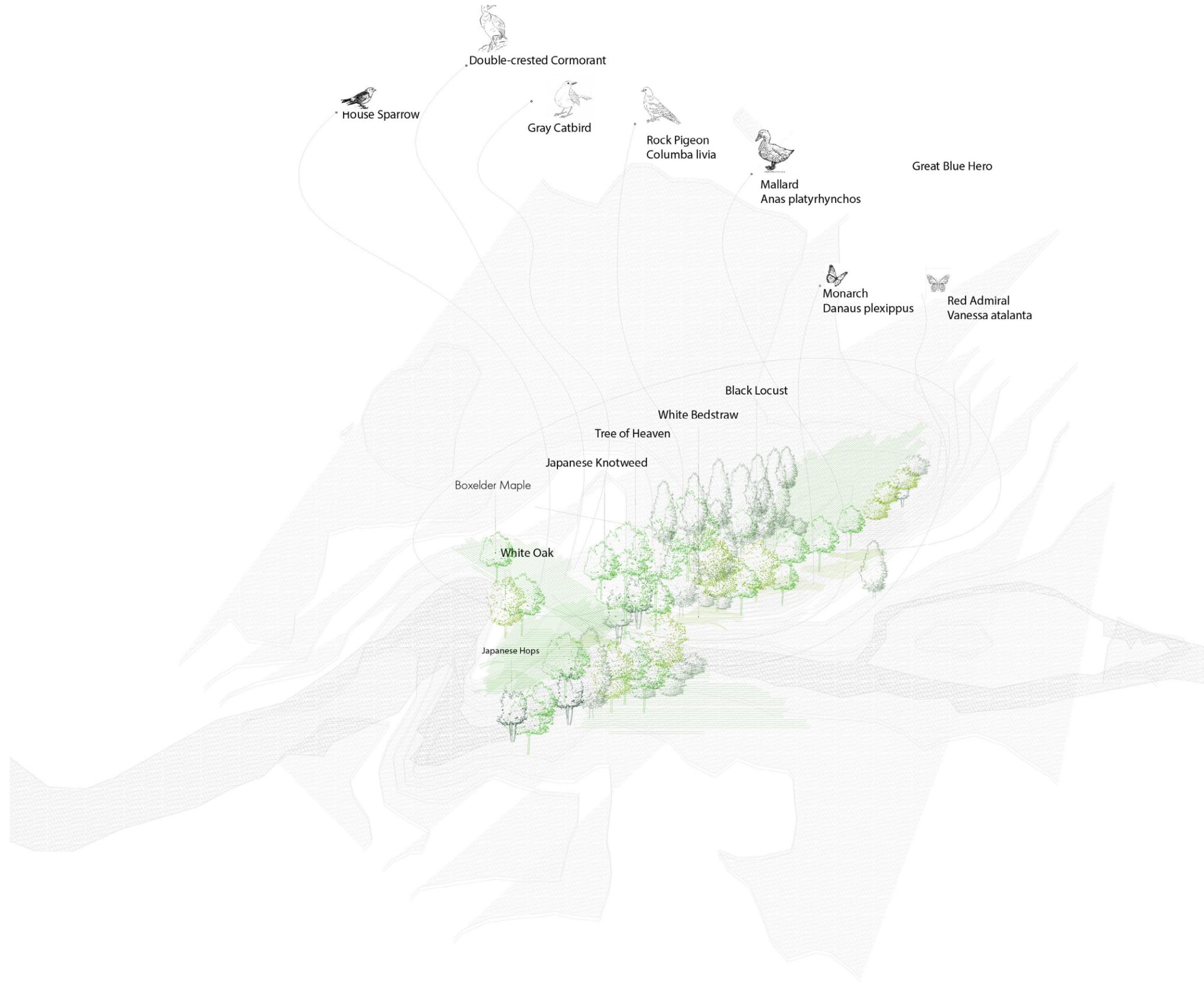
BIRD (Blackpoll Warbler) & WATER (Passaic River) MIGRATION



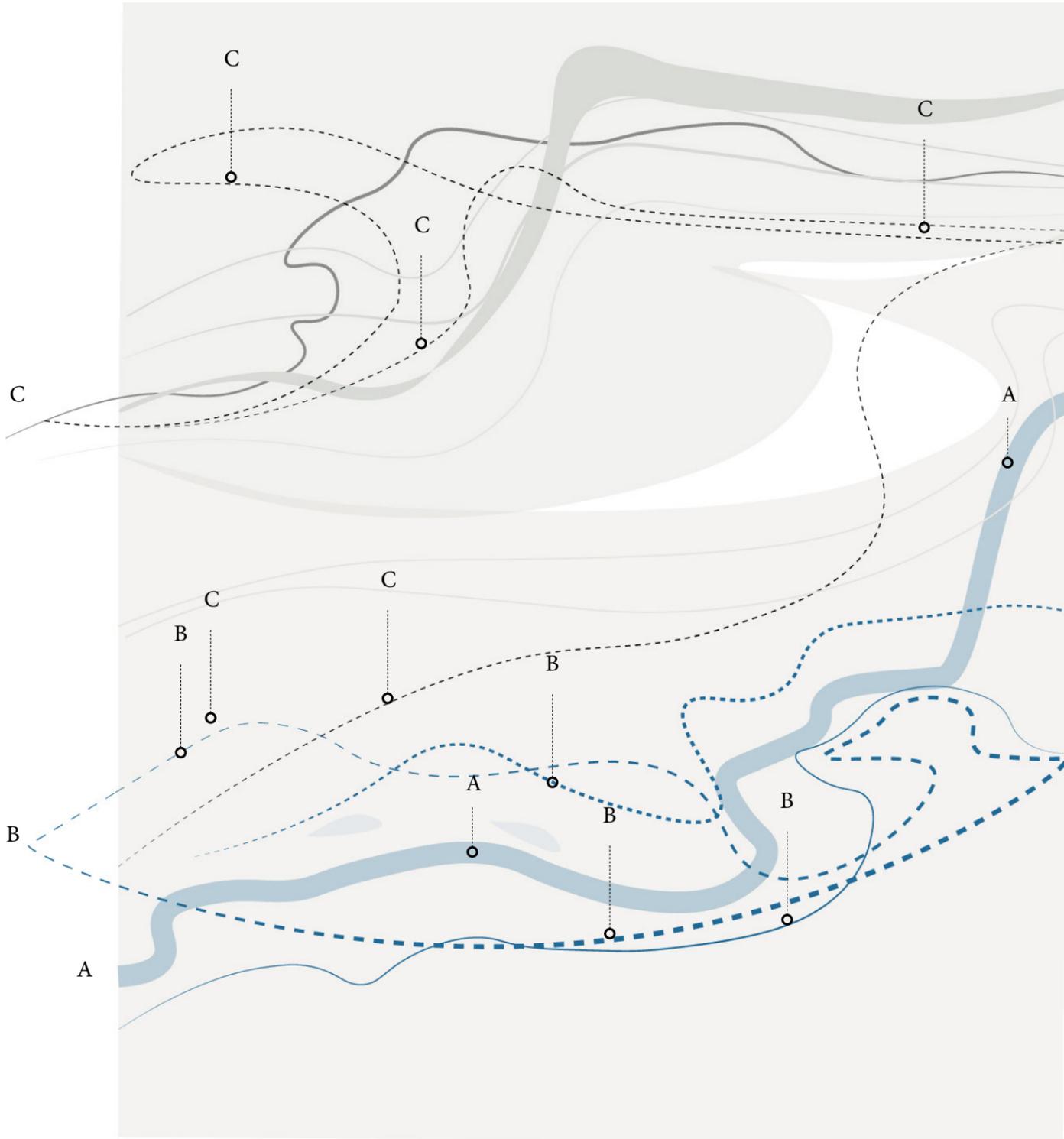
SITE ANALYSIS



	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

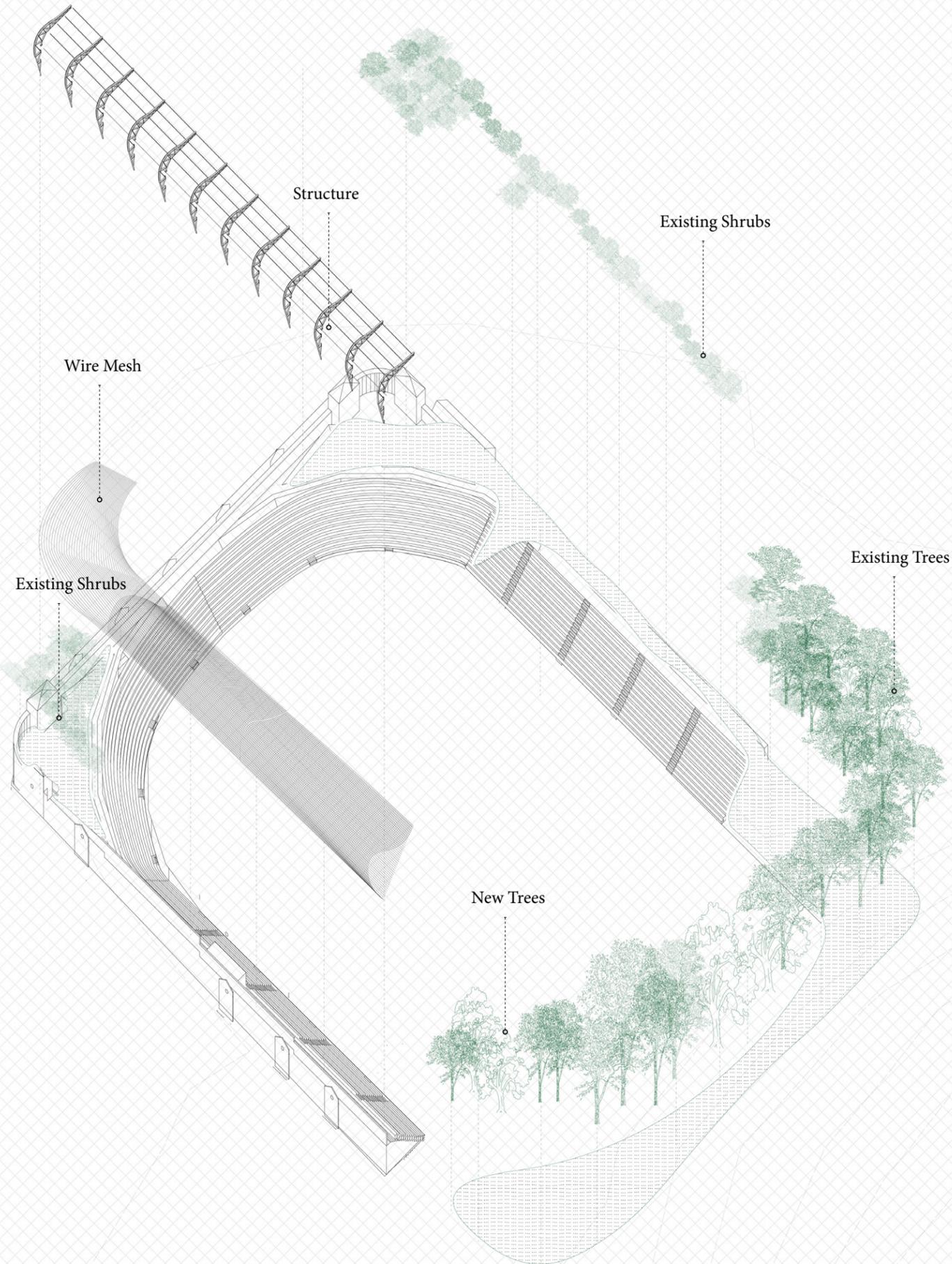
- A: Water (Passaic River)
- B: Humans
- C: Birds

SITE PLAN



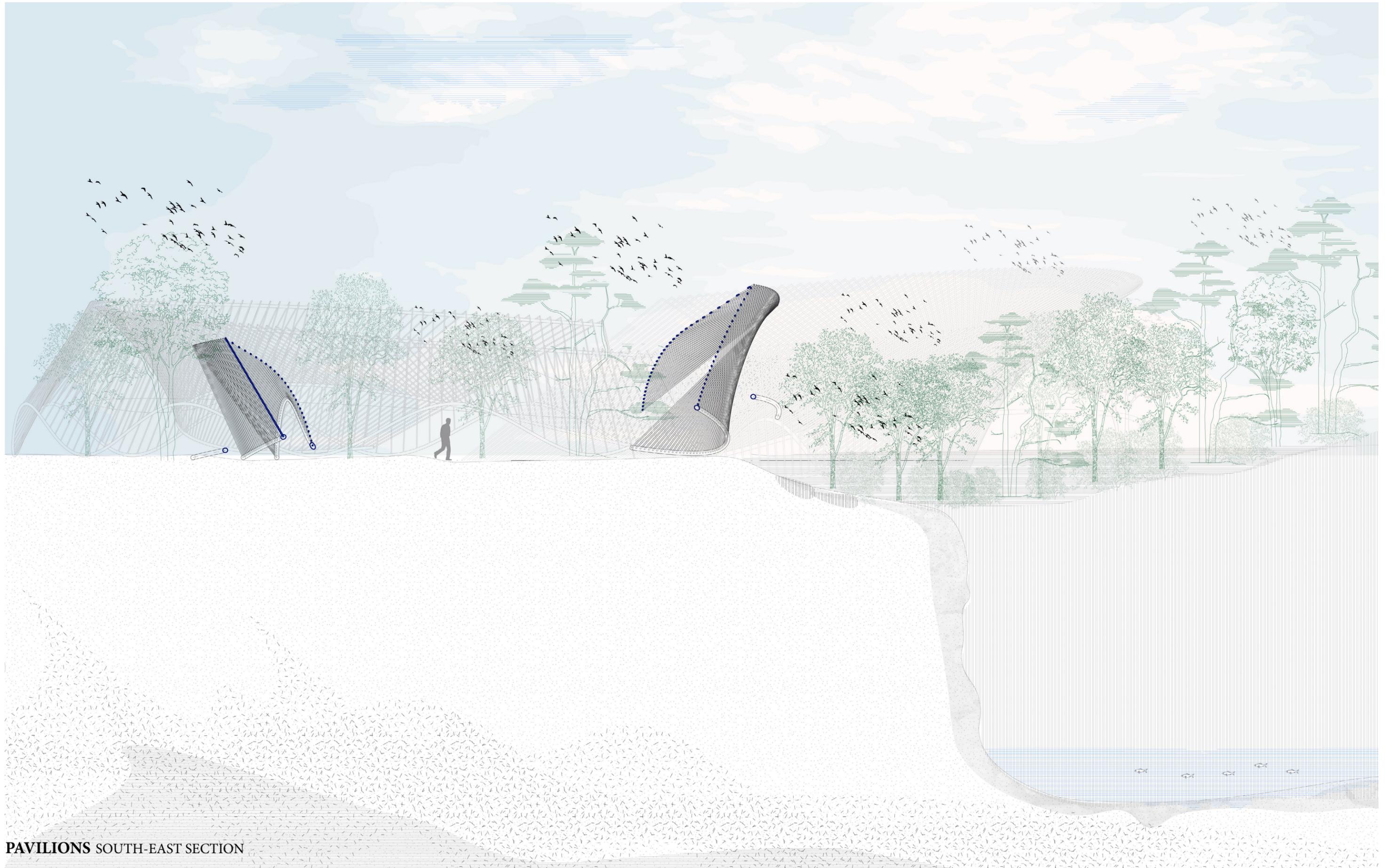
- A: Force Pavilion
- B: Nature Pavilion
- C: Climate Pavilion
- D: Bird Nesting, species Pavilion
- Circulation

STADIUM AXONOMETRIC VIEW

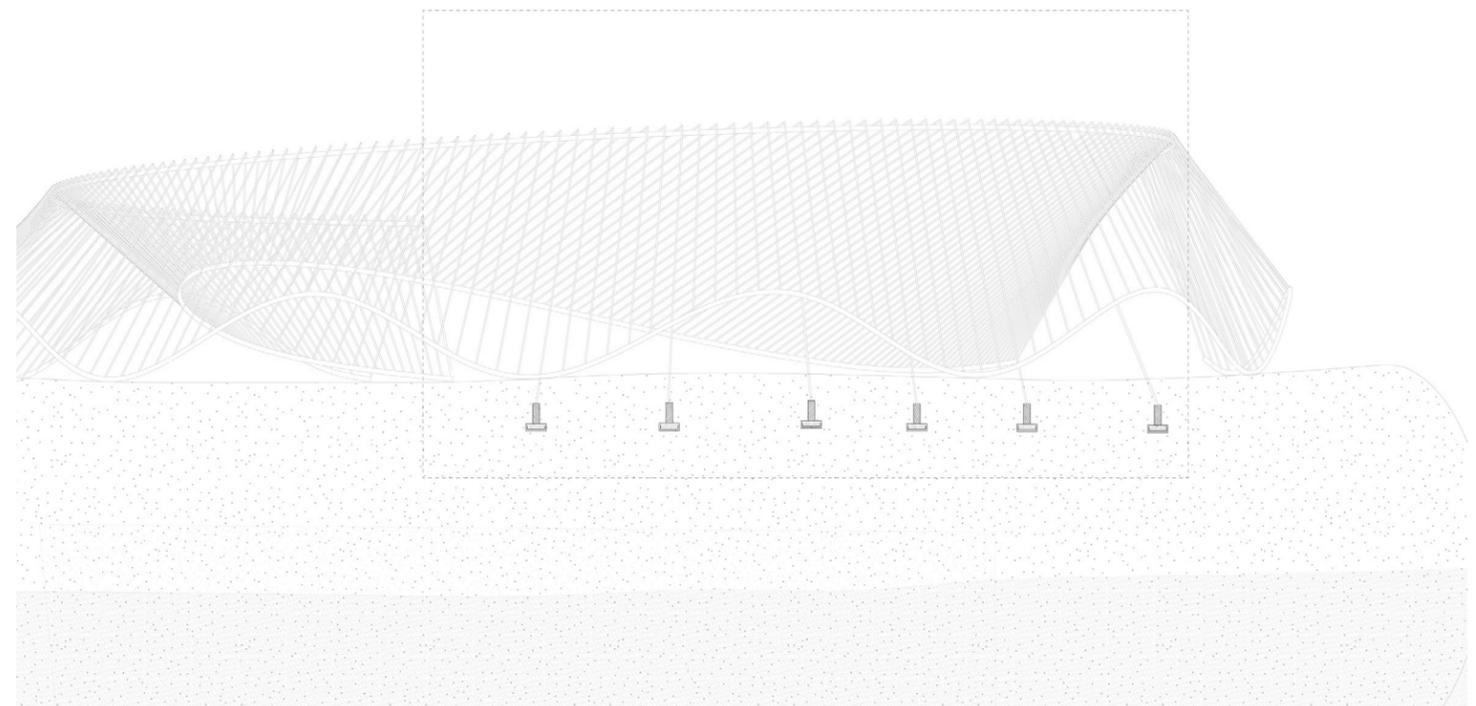
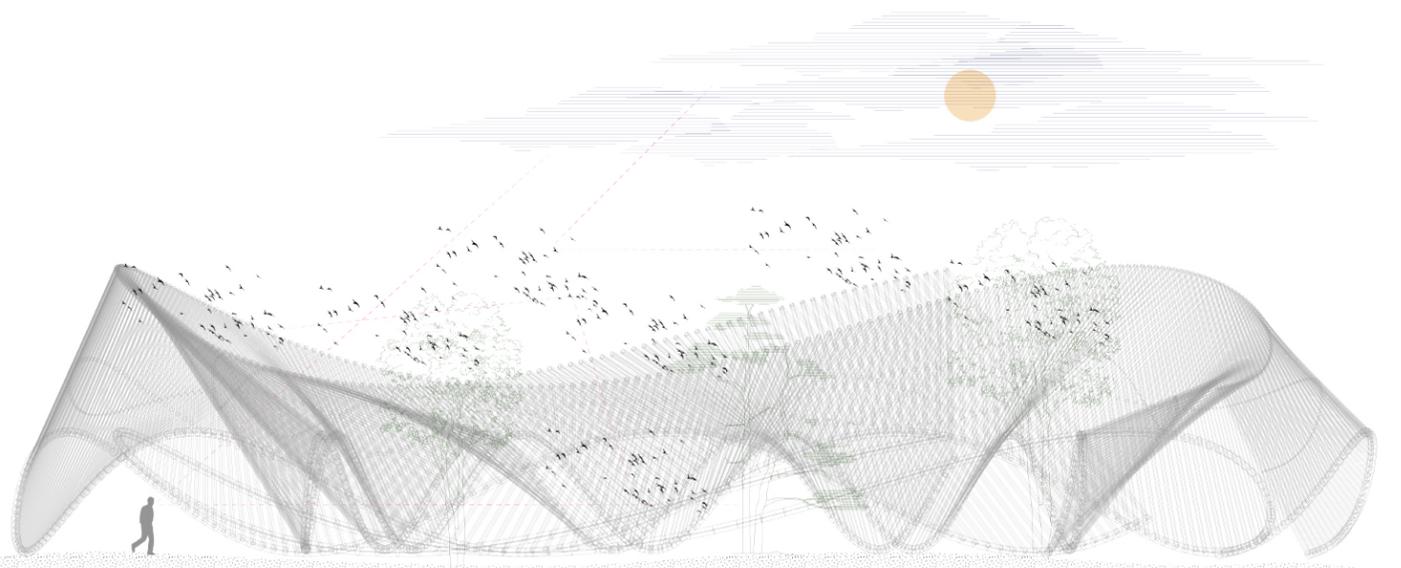
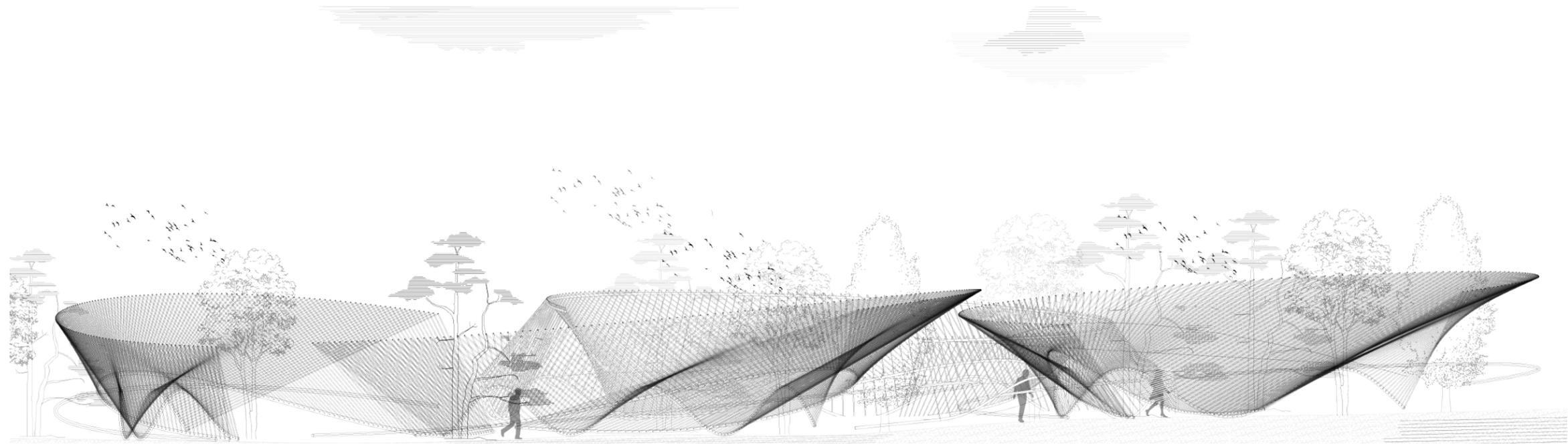


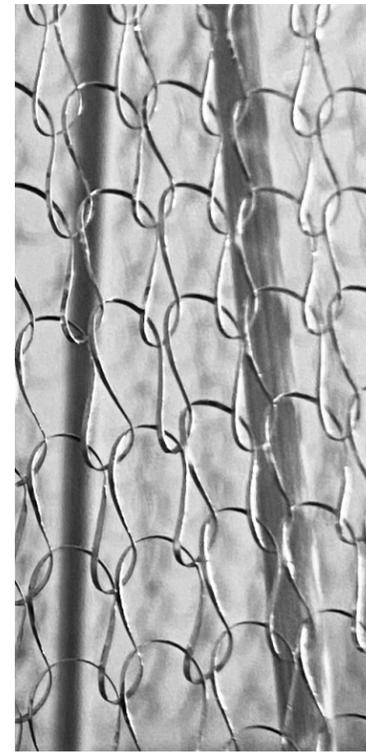
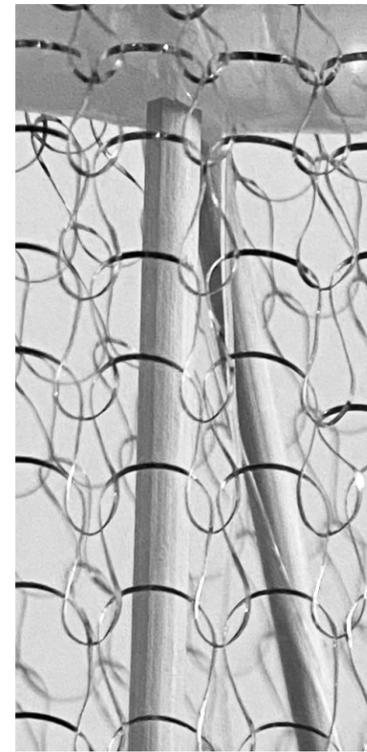
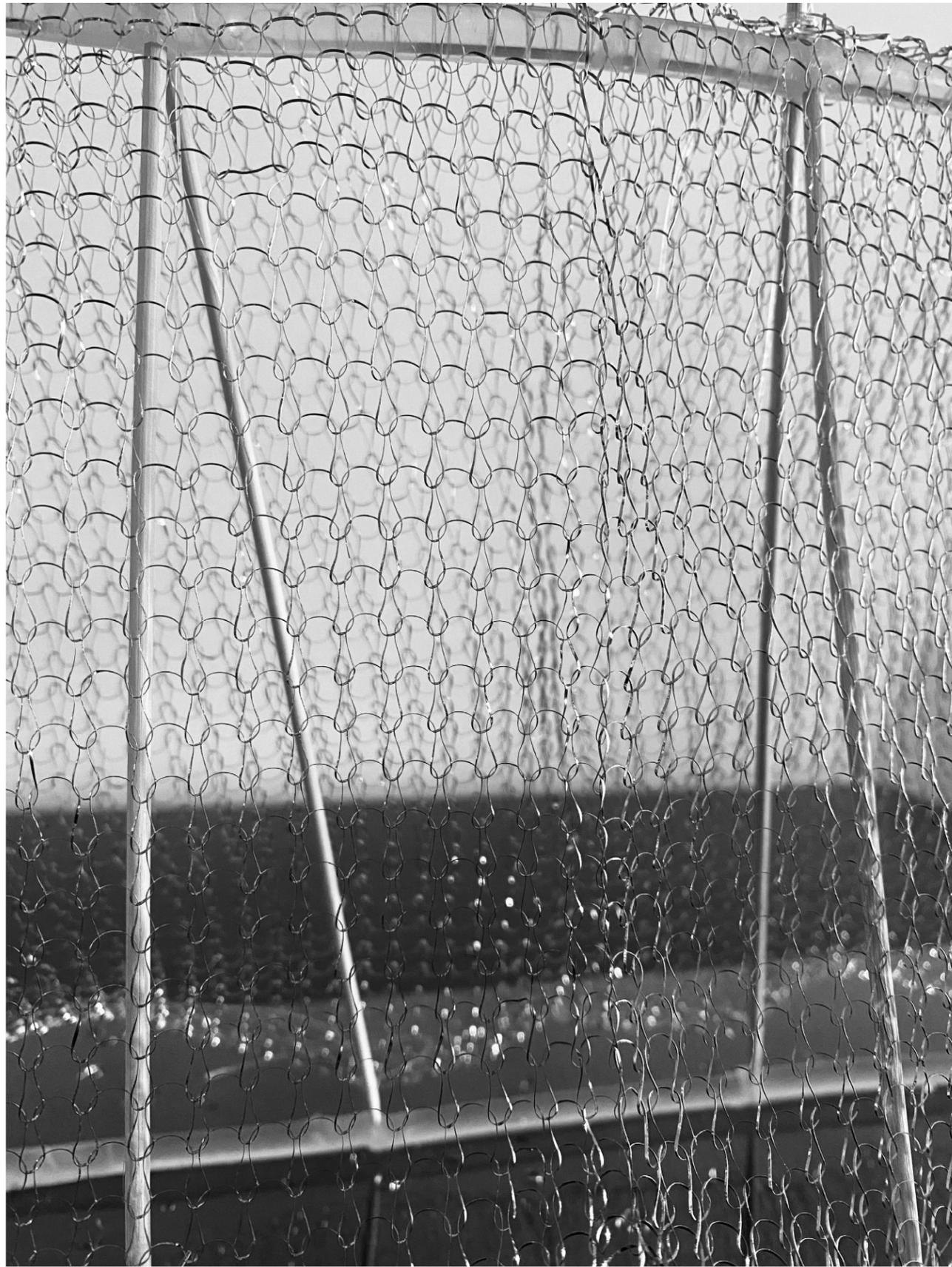


STADIUM SOUTH-EAST SECTION

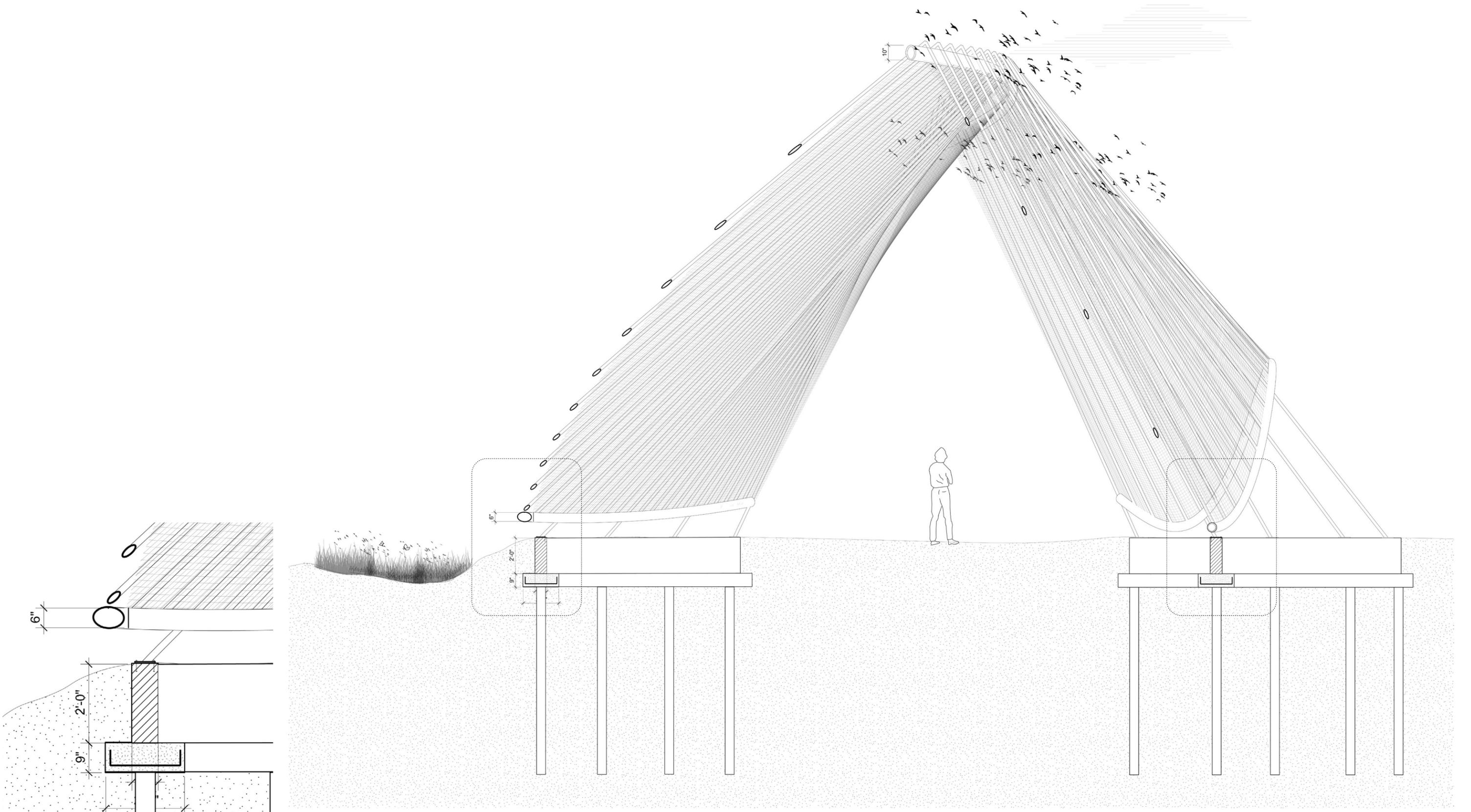


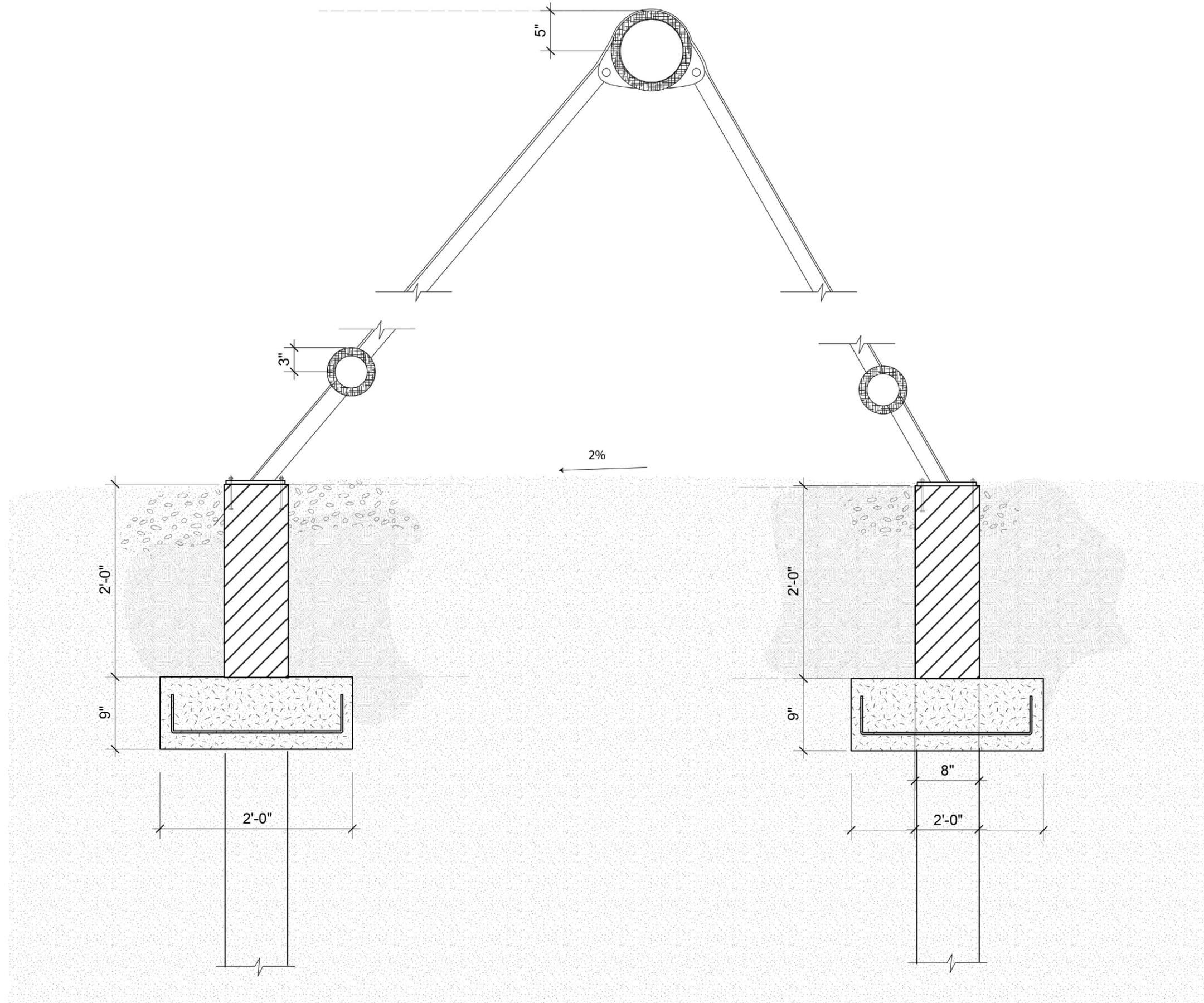
PAVILIONS SOUTH-EAST SECTION



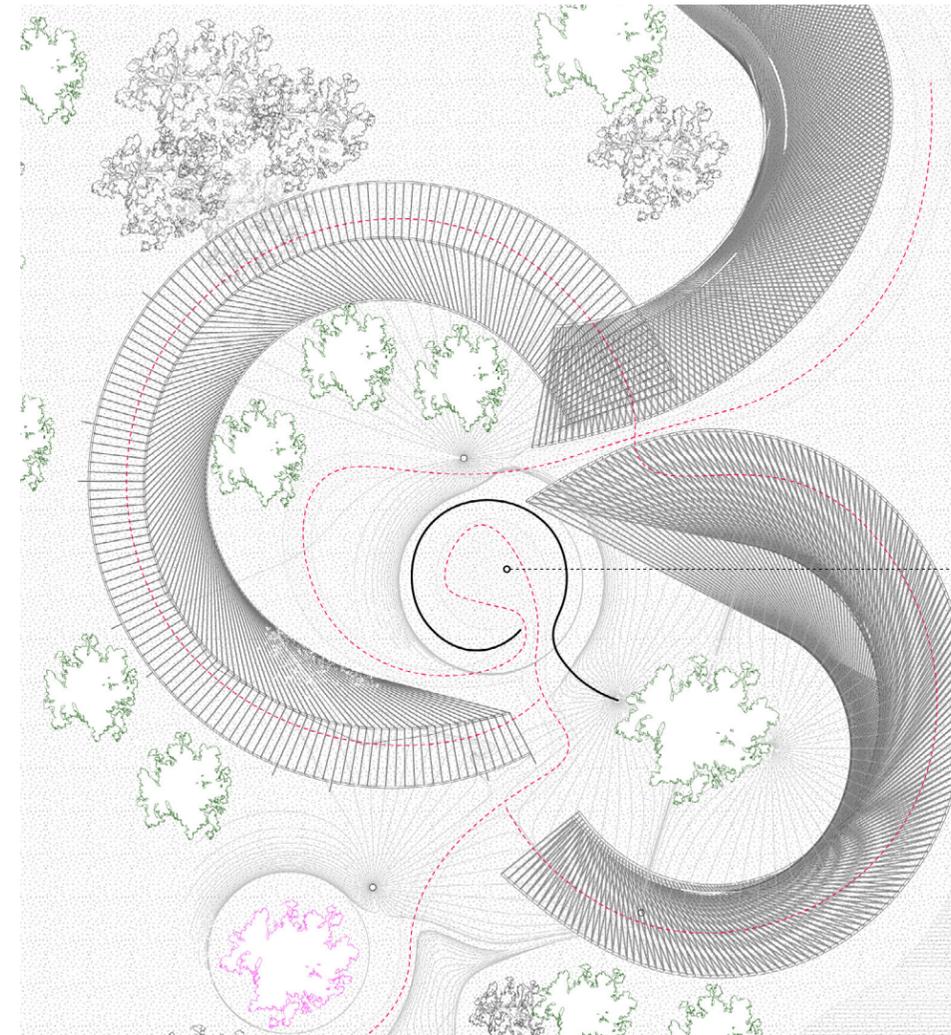
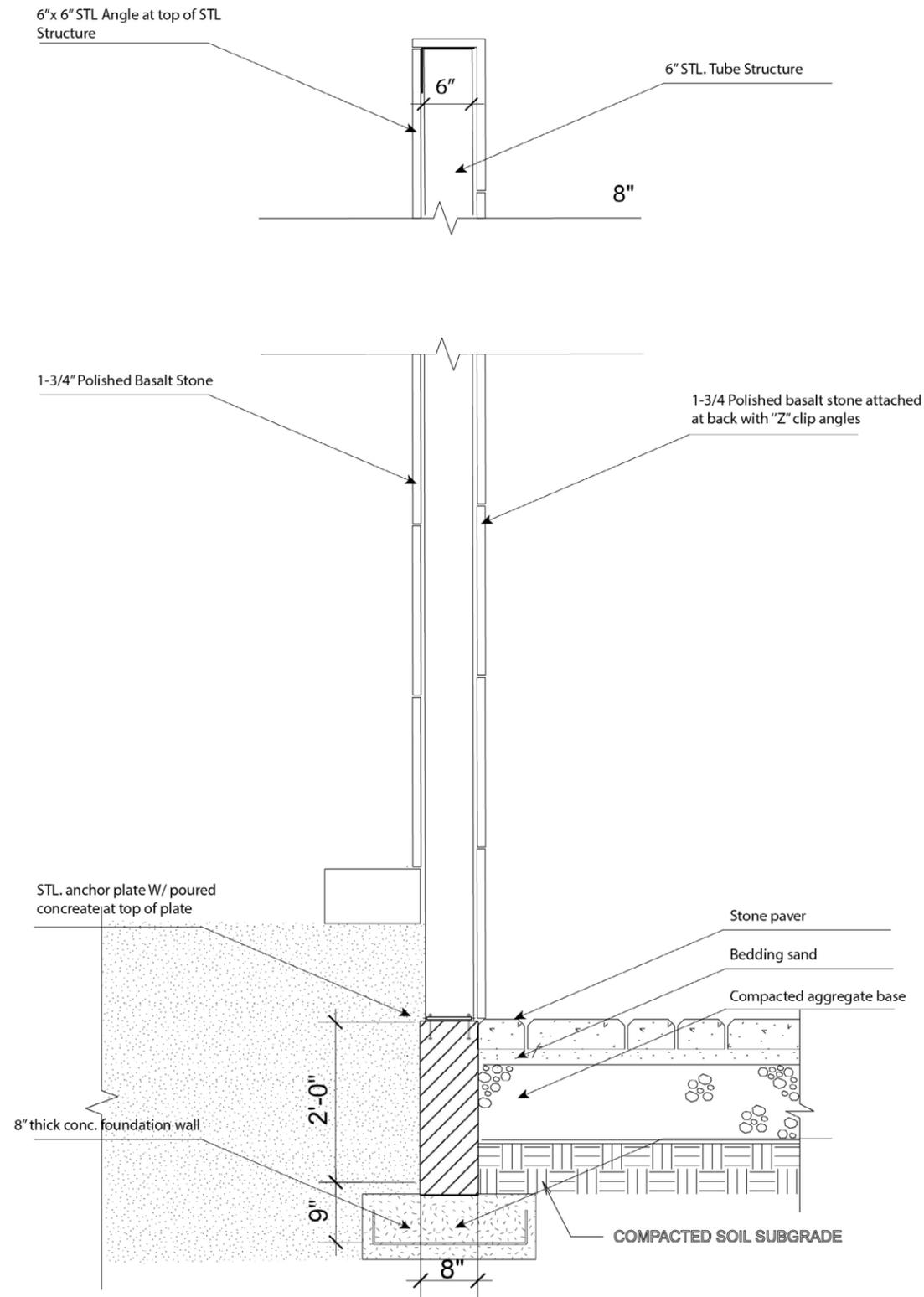


Bird's Pavilion Structural Emphasis



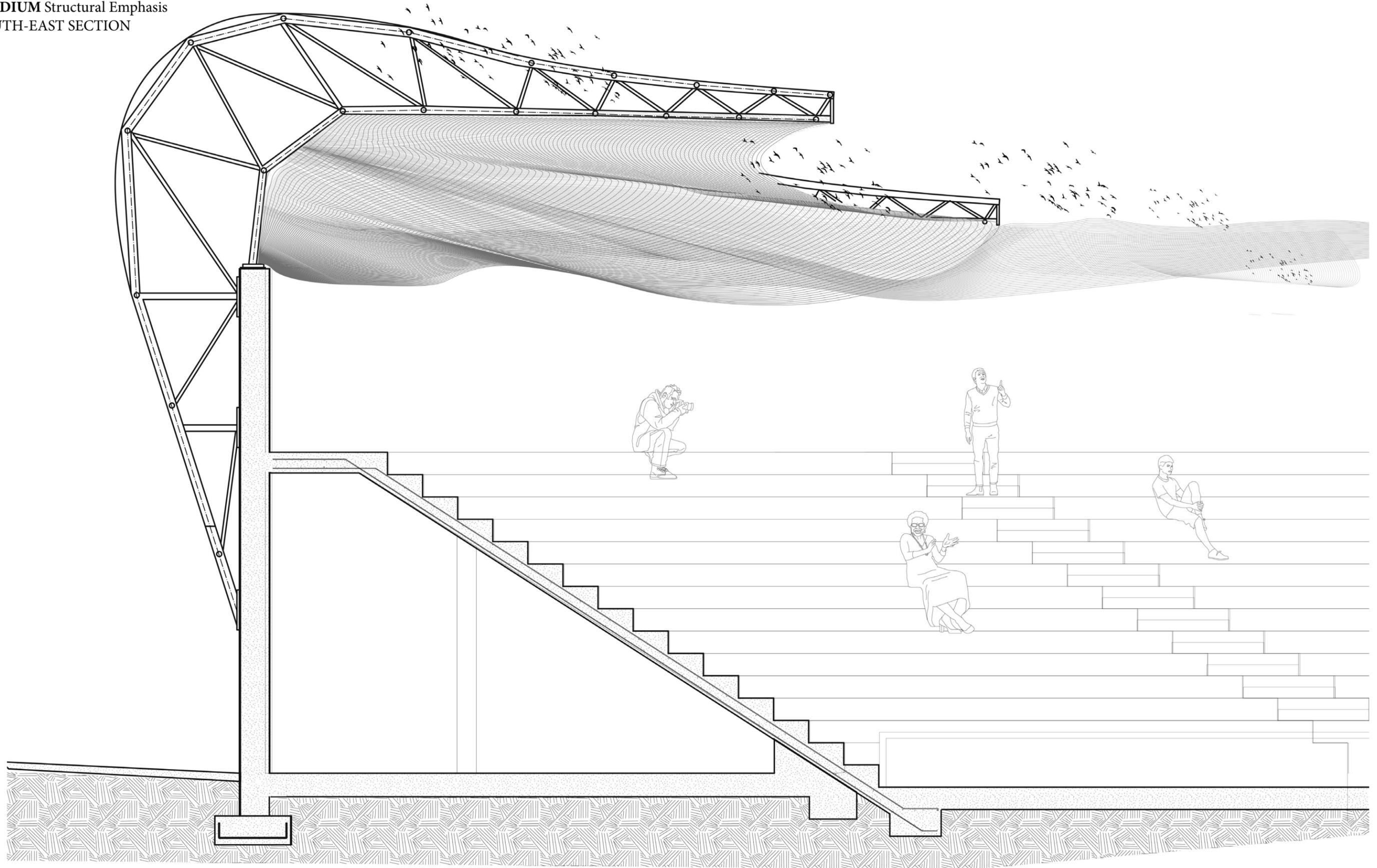


NATURE PAVILION Structural Emphasis



NATURE PAVILION

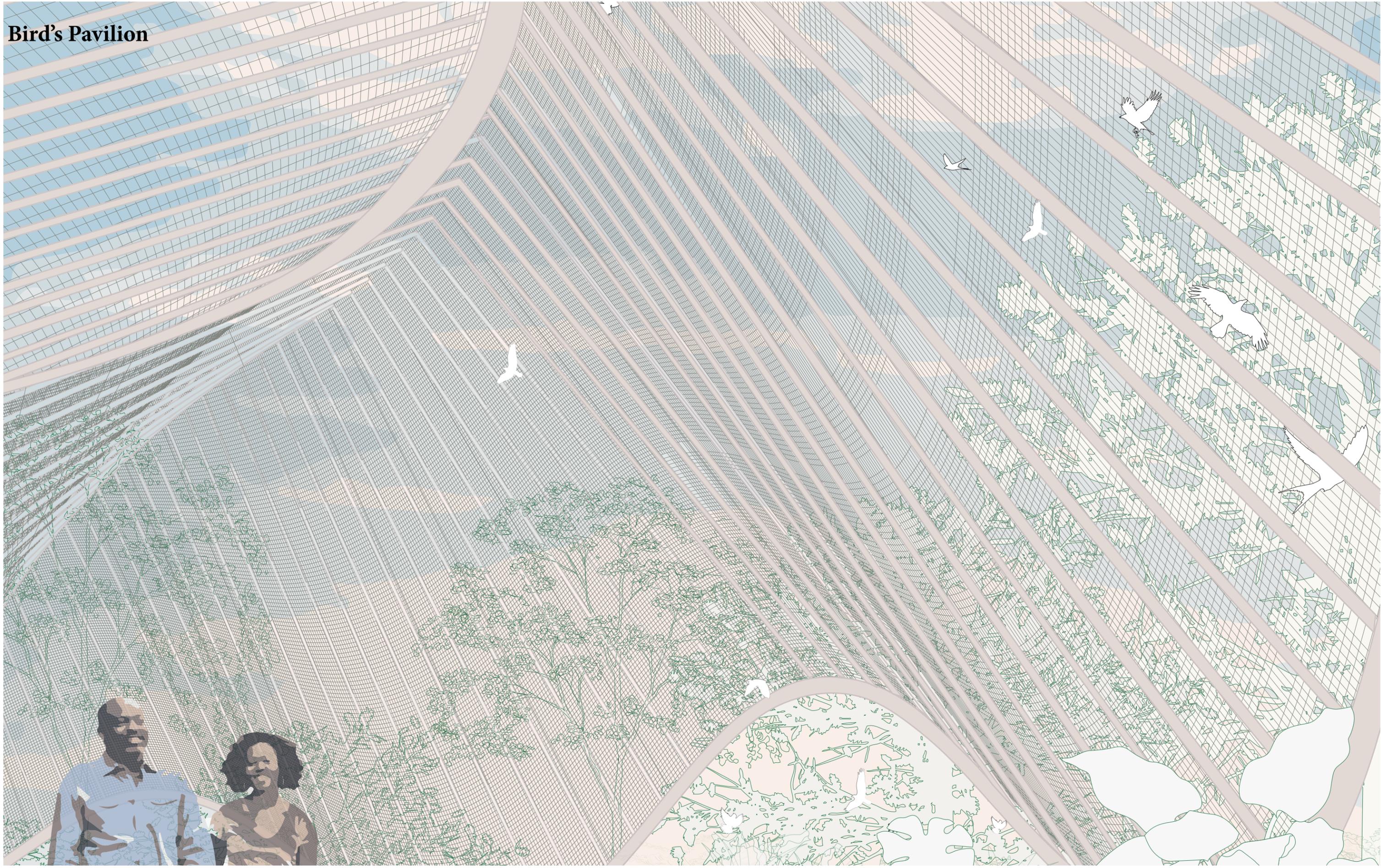
STADIUM Structural Emphasis
SOUTH-EAST SECTION



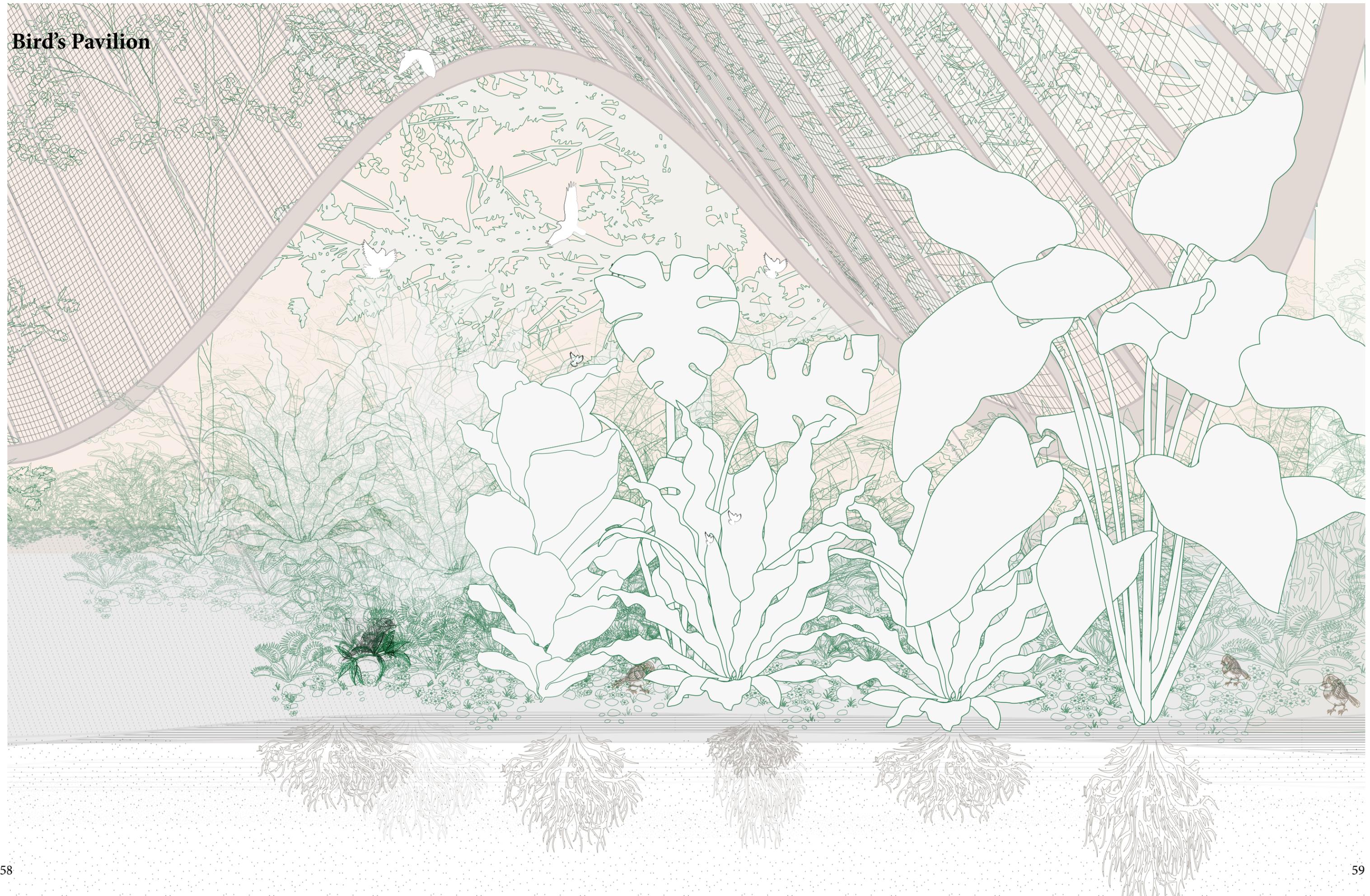
Bird's Pavilion



Bird's Pavilion



Bird's Pavilion



NATURE Pavilion



CLIMATE Pavilion









BIRD'S Pavilion





