

PORTFOLIO

MATTHEW ZIEMER

STILL LIFE

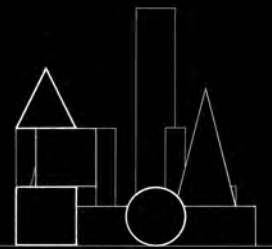
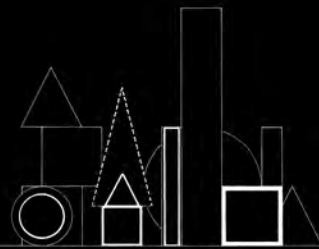
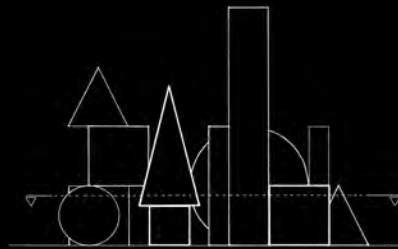
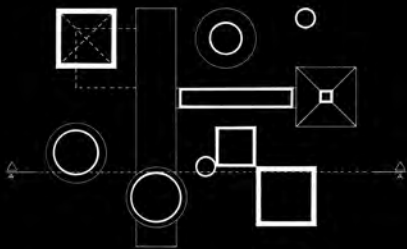
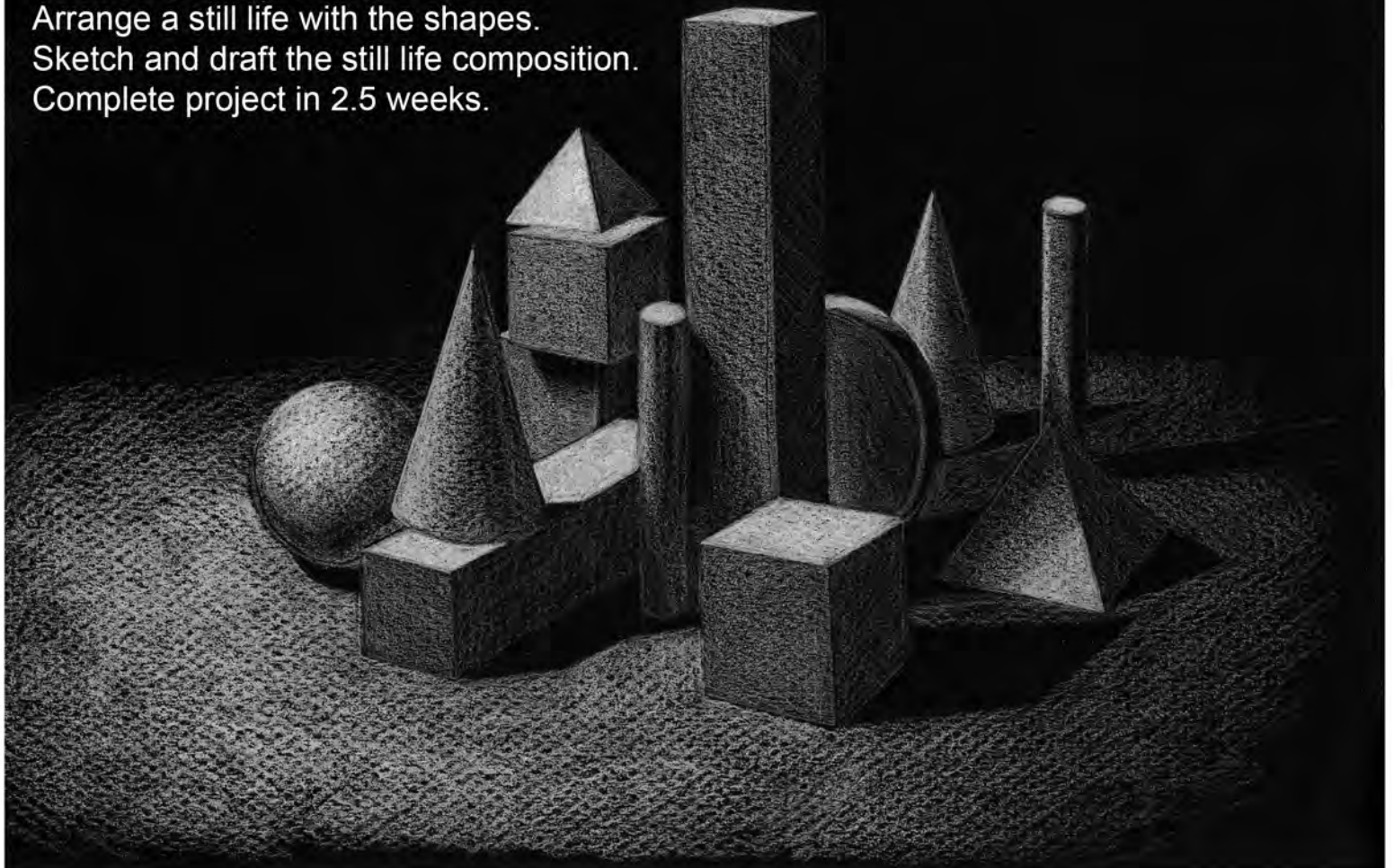
Objectives:

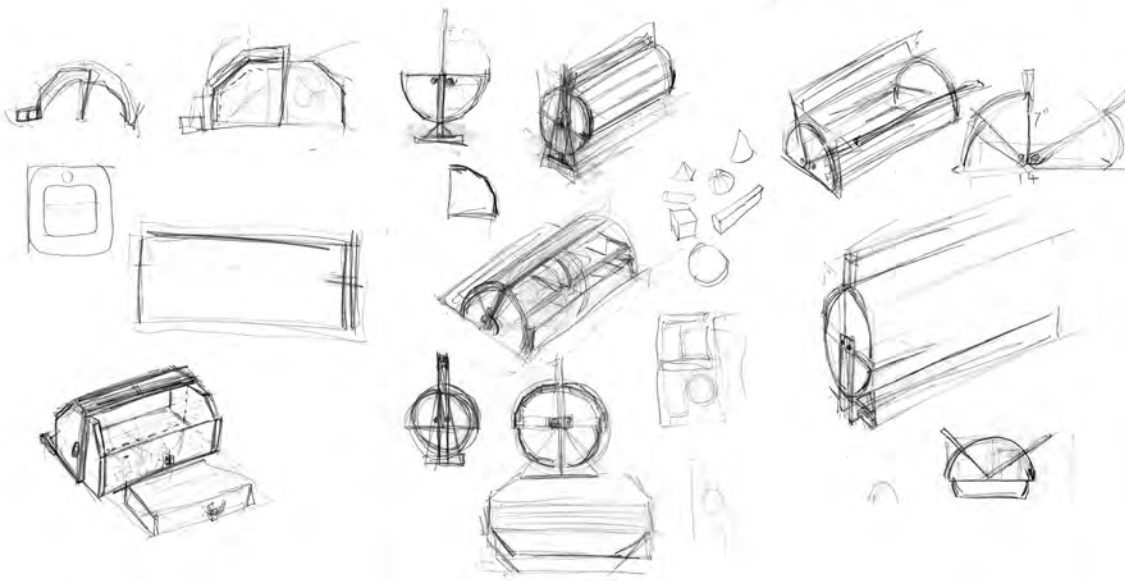
Build shapes out of paper.

Arrange a still life with the shapes.

Sketch and draft the still life composition.

Complete project in 2.5 weeks.





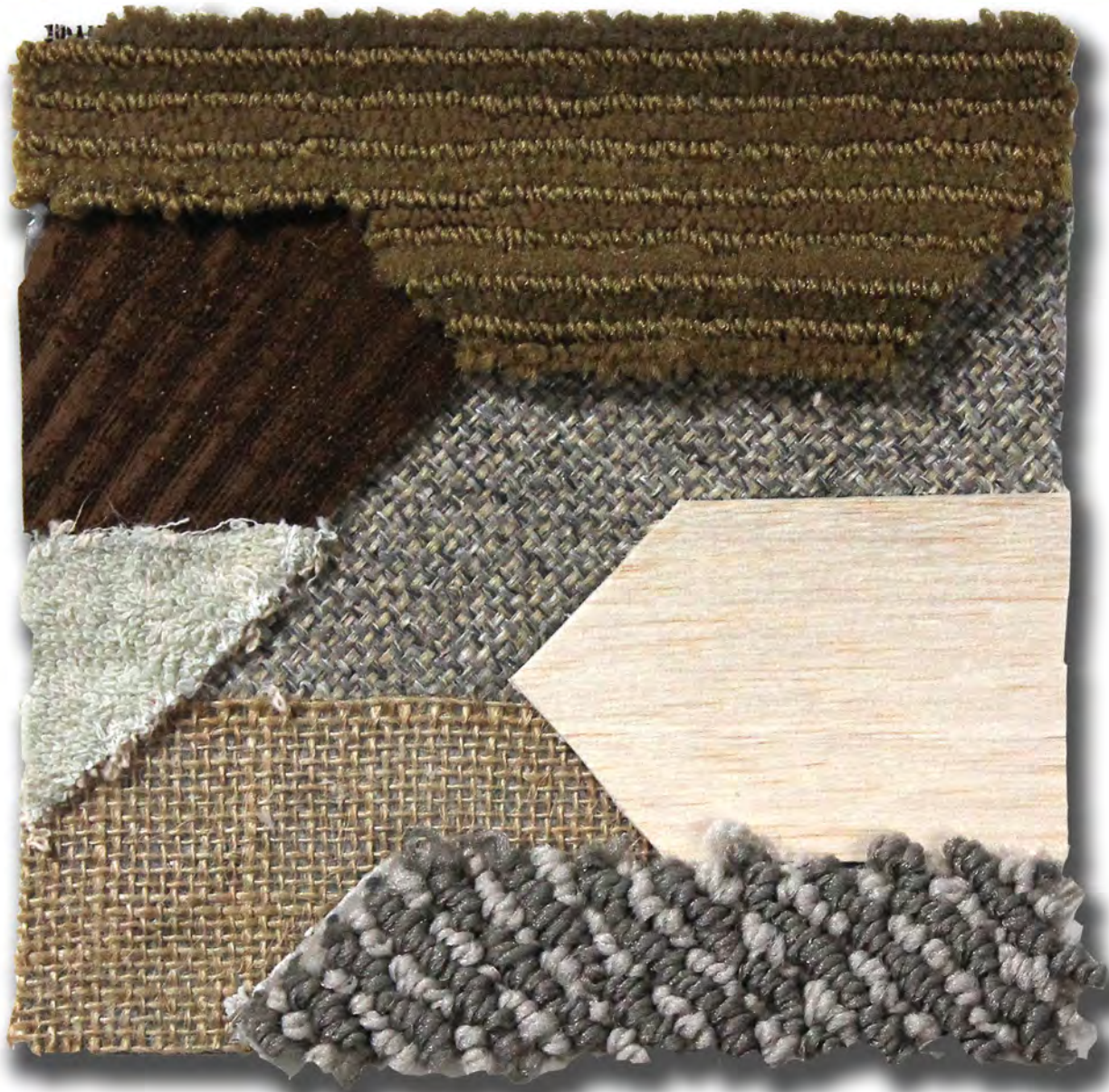
Build a case to carry the shapes.

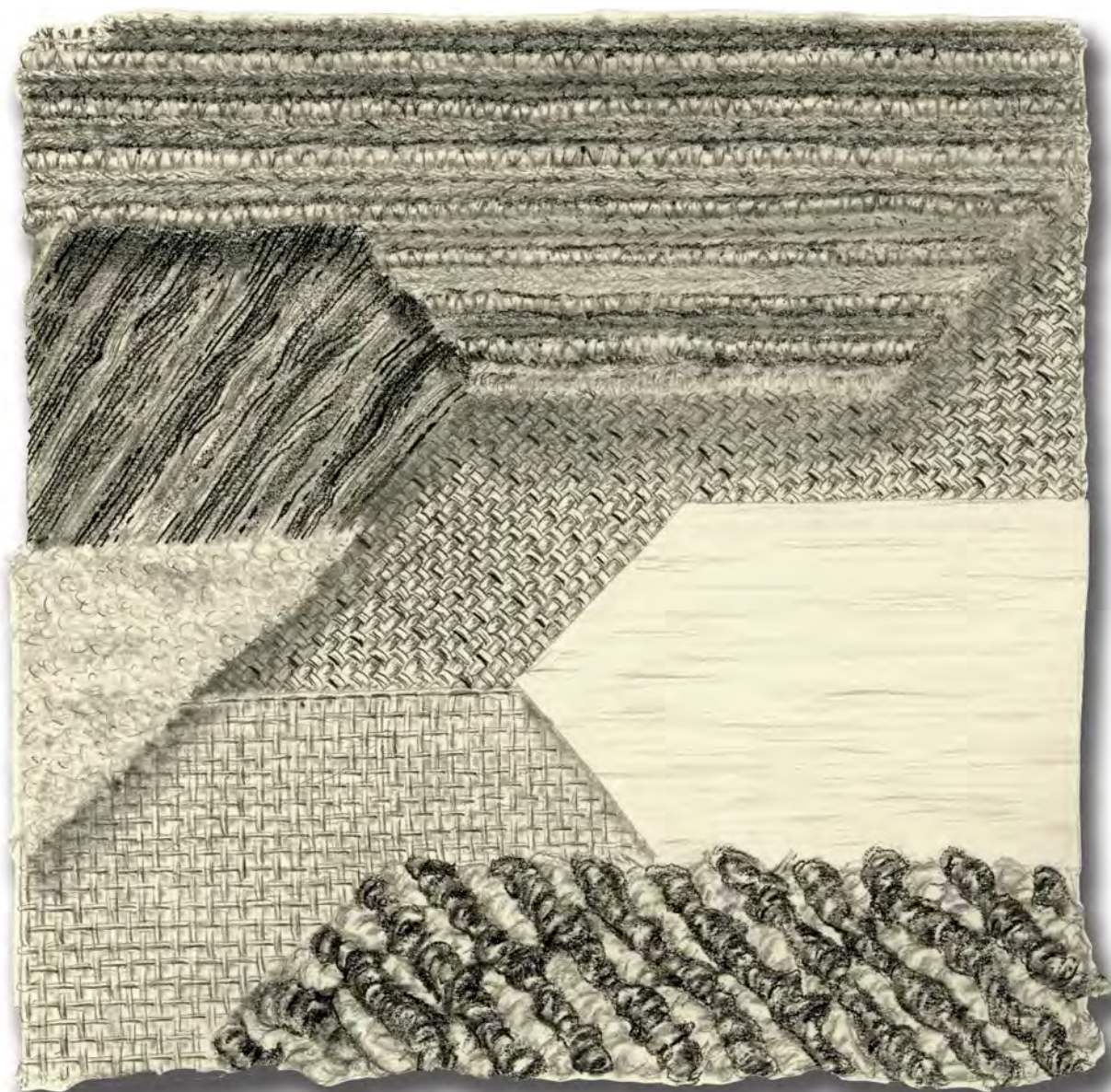
The design of the case was a result of the necessity to accommodate the two largest shapes, the 1" x 6" disc, and the 2" x 12" rectangular column. The enclosure extends linearly along a spine that contains the column, and radially around the disc.



TEXTURE

The objective of this project was to gain a deeper understanding of how texture and its visual impact influences our experience. Part one of this project was to assemble a collage using scraps and found objects with a variety of textures. The second part was to study the textures by recreating the collage in highly detailed pencil drawing. The length of the project was 2 weeks.

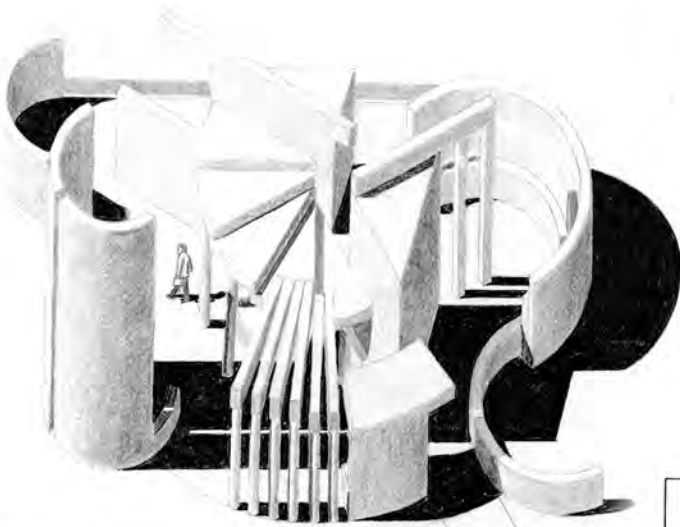
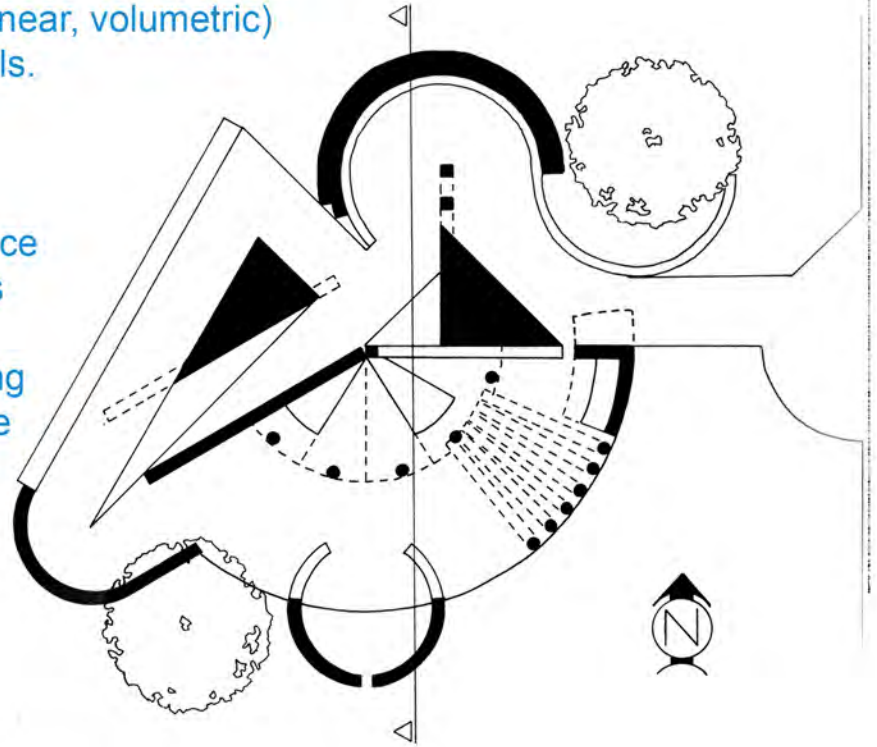


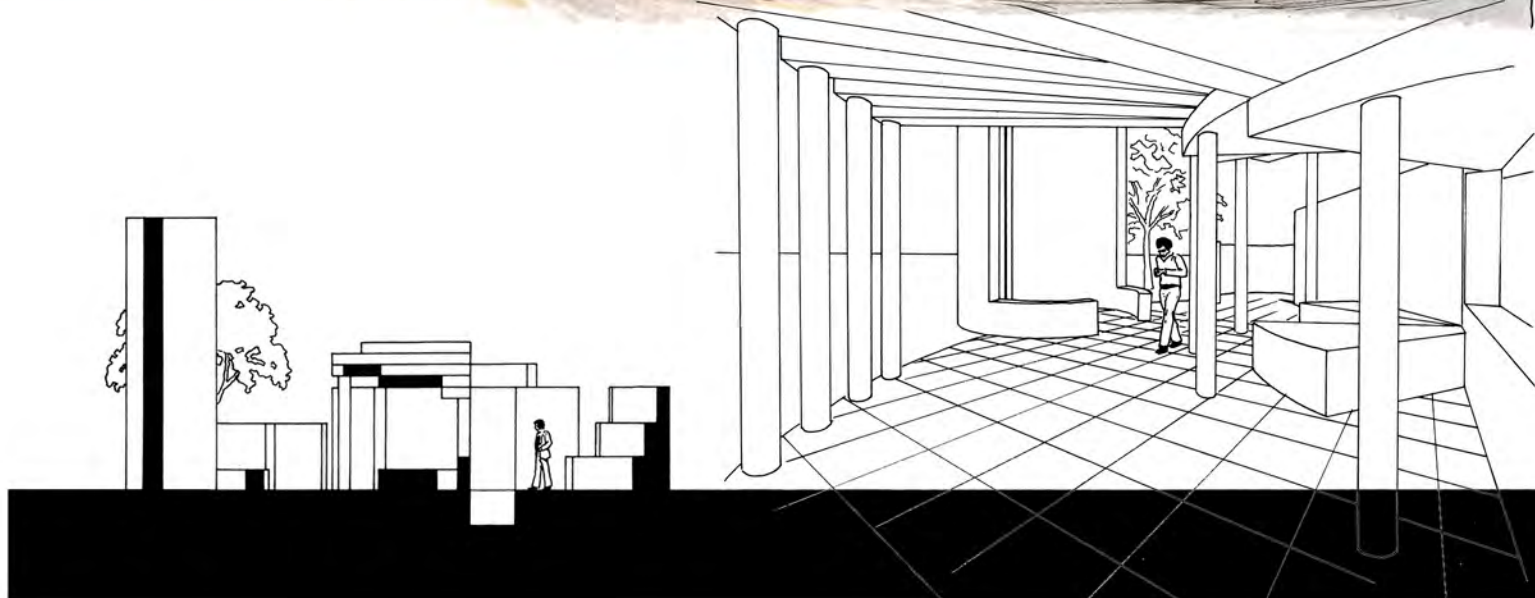
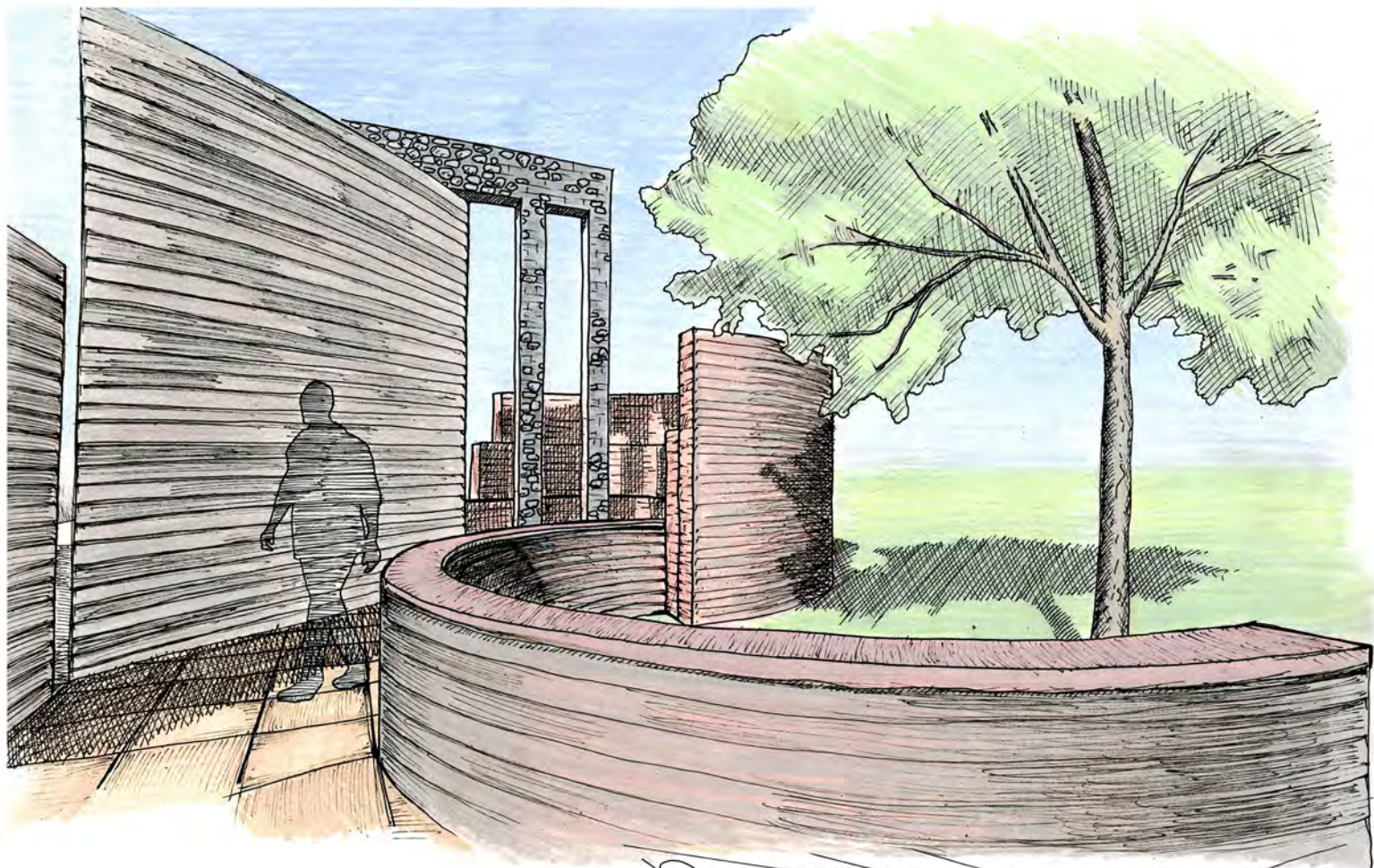


COMMUNITY GATHERING SPACE

The objective was to design a gathering space for an open and underused green-space between several buildings on the College of DuPage campus. There was a limited set of architectural elements (planar, linear, volumetric) to achieve a specific set of design goals. The project lasted 2.5 weeks.

The concept was heightened experience through variation. The design attempts to achieve this through employing a series of radial and linear paths passing through and over positive and negative spaces, leading the visitor to a semi-secluded seating area.



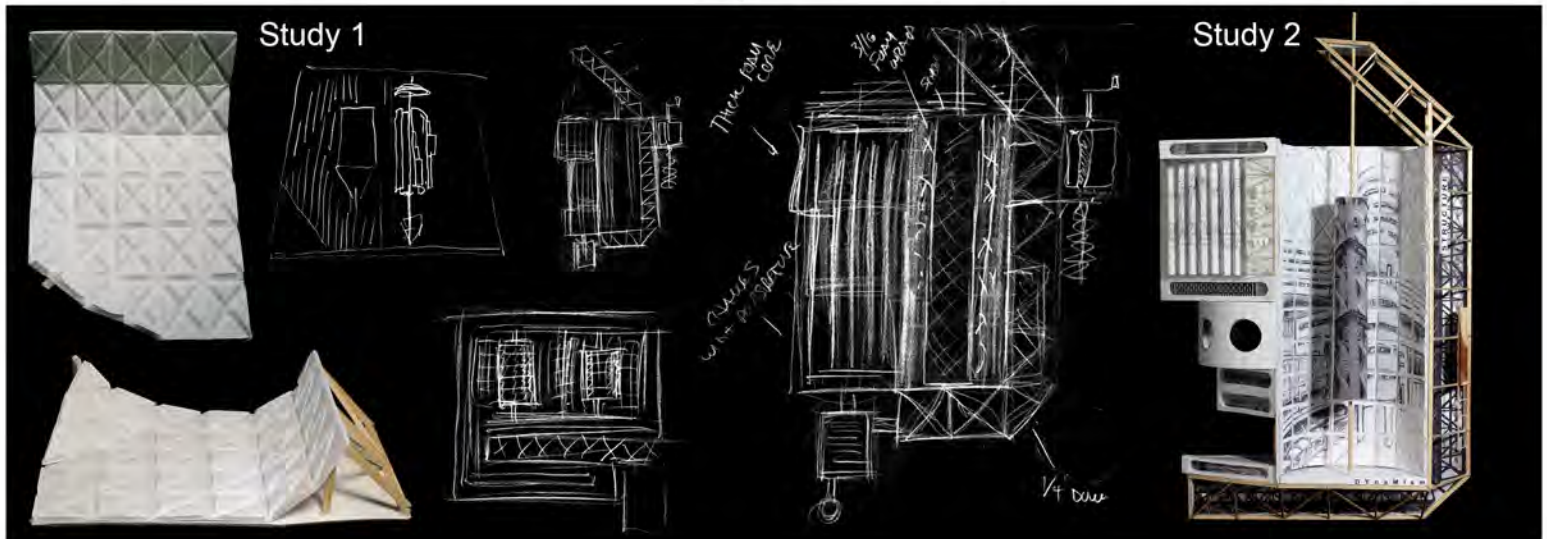


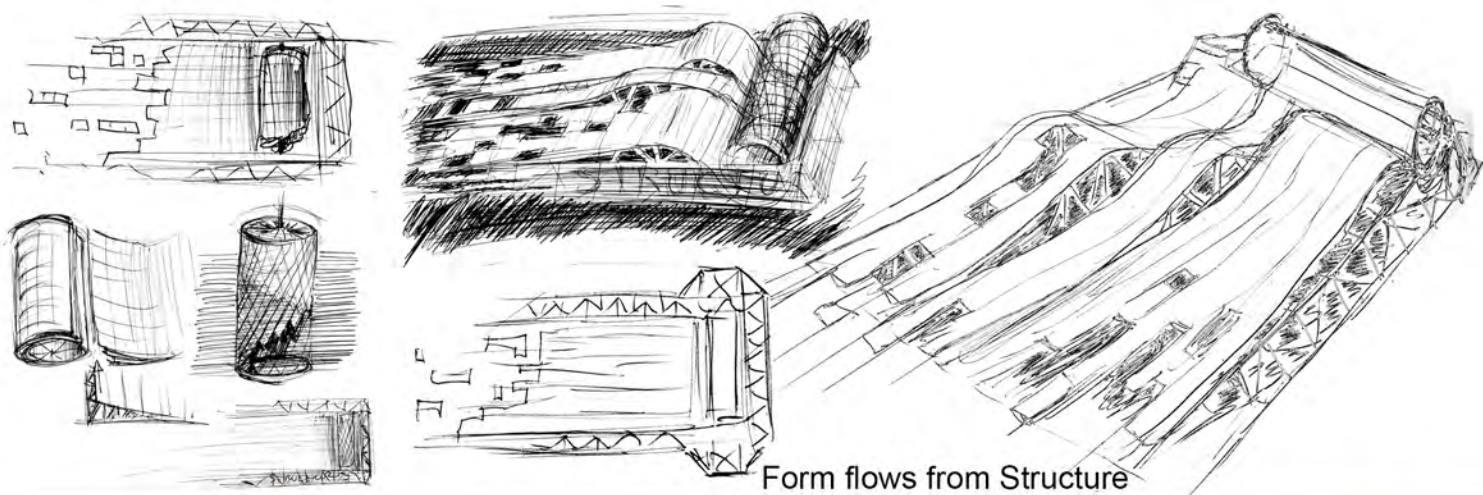
INSPIRATIONS COLLAGE

The first phase of the project was an architectural scavenger hunt in which buildings and spaces that were inspiring and of some architectural significance were photographed and sketched. In the following phase these images were placed into an artistic, graphic 3-D composition, the form of which should be influenced by works found to be most inspiring, and merged into a unified concept.

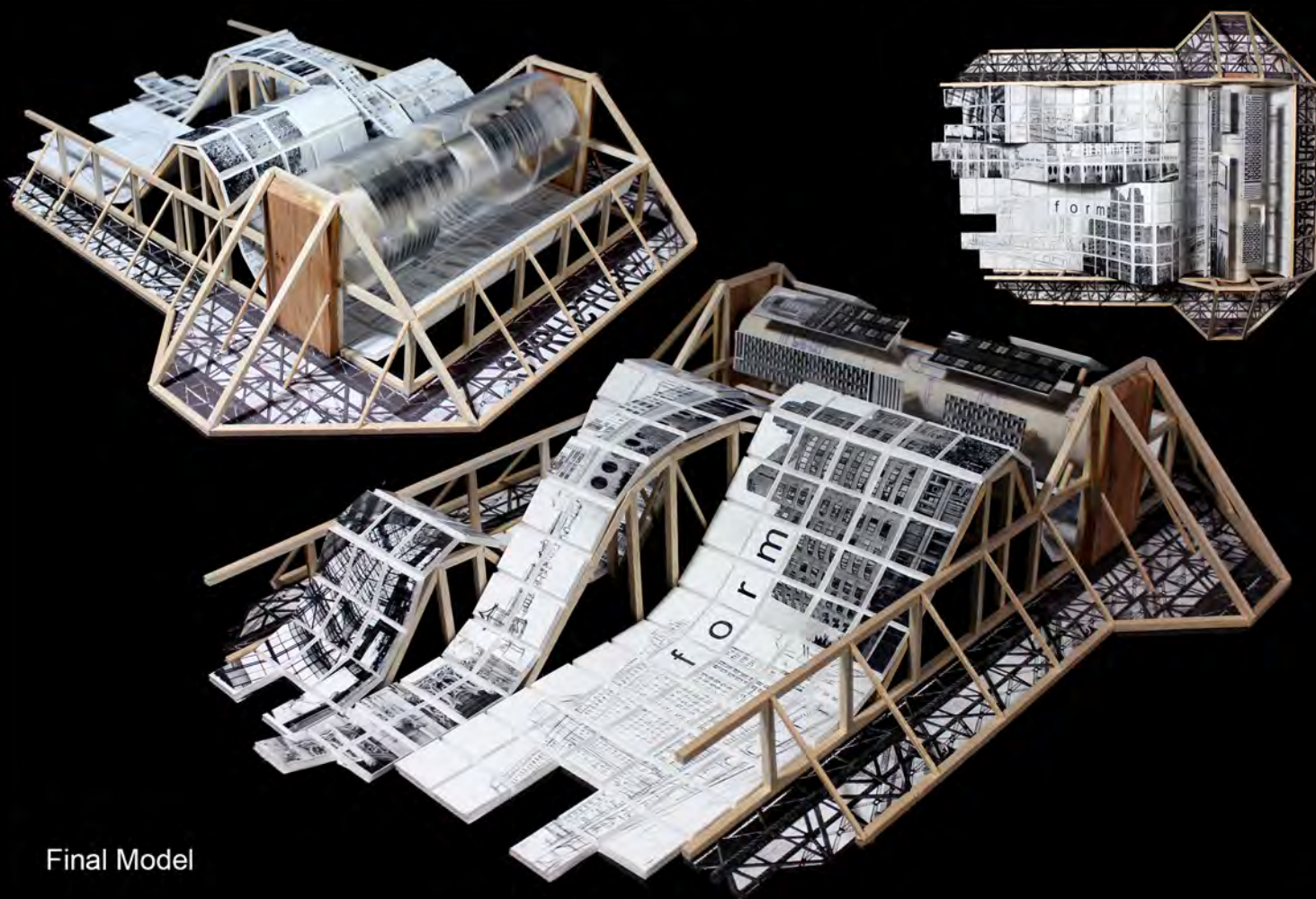


The concept of the project was a dynamic 3-D interpretation of the relationship between form and structure. Primary influences were Rush Medical Center and the Kinzie St. Bridge.





Form flows from Structure

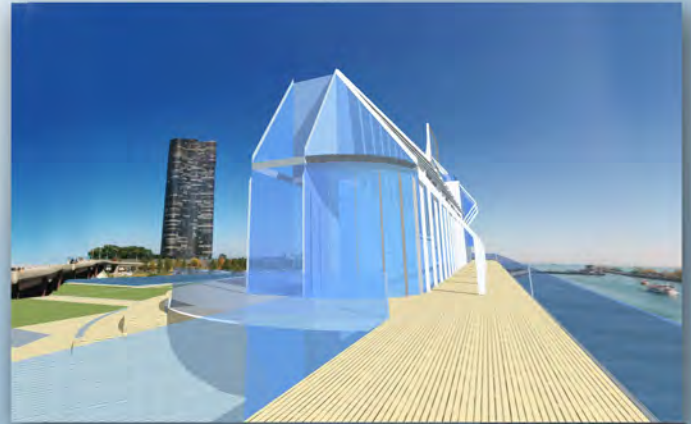


Final Model

DuSABLE PARK ECOLOGY CENTER

EcoThedral

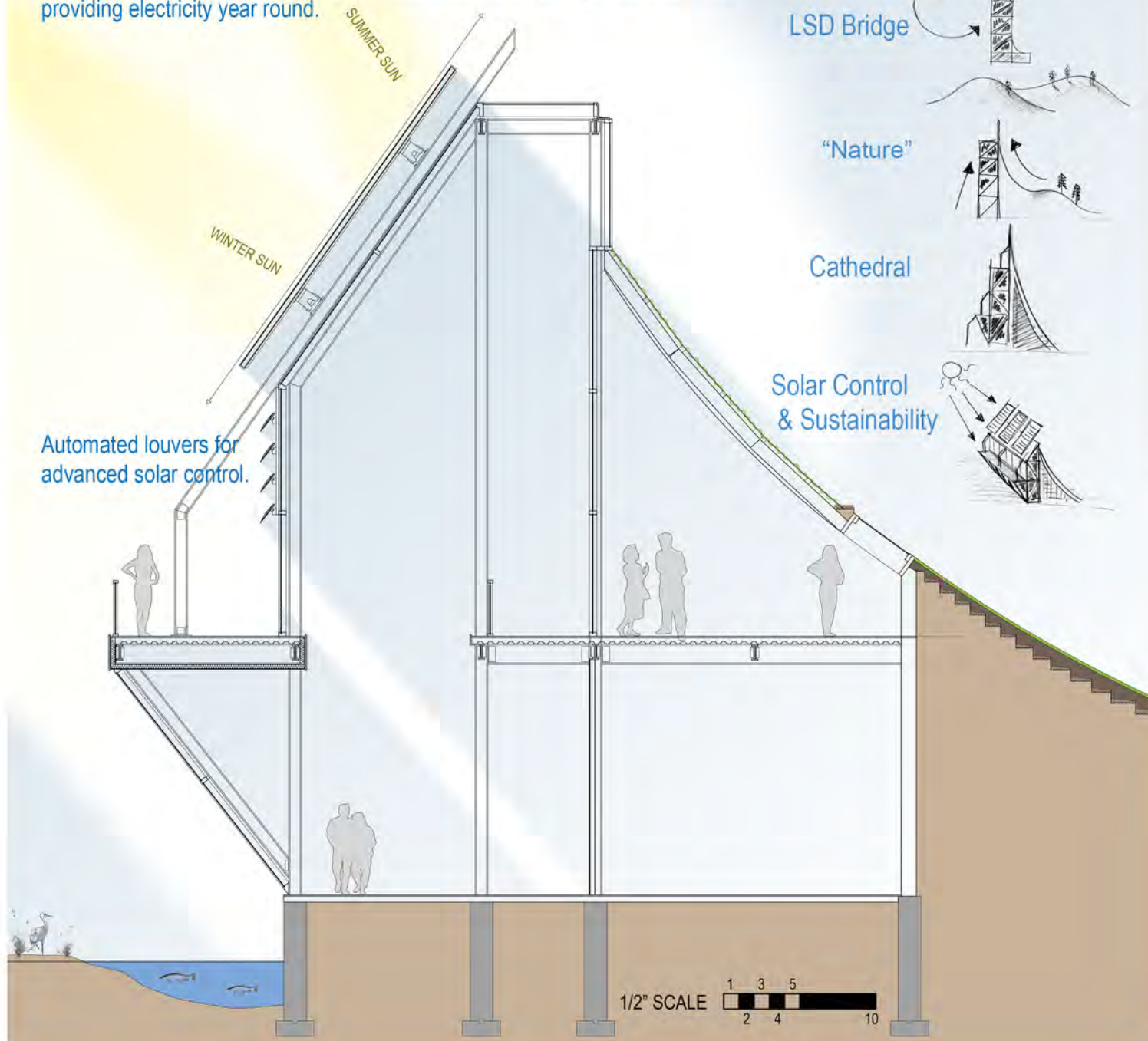
The Center for Great Lakes and River Ecology design project required the creation of an interpretive center for the purpose of exhibition, water ecology, sustainability, and environmental education. The design should be clearly and comprehensively conceptualized and relate to its context: Chicago's urban infrastructure and its lake and river. The building and park should connect visitors to nature, and better equip them to live sustainability within it.

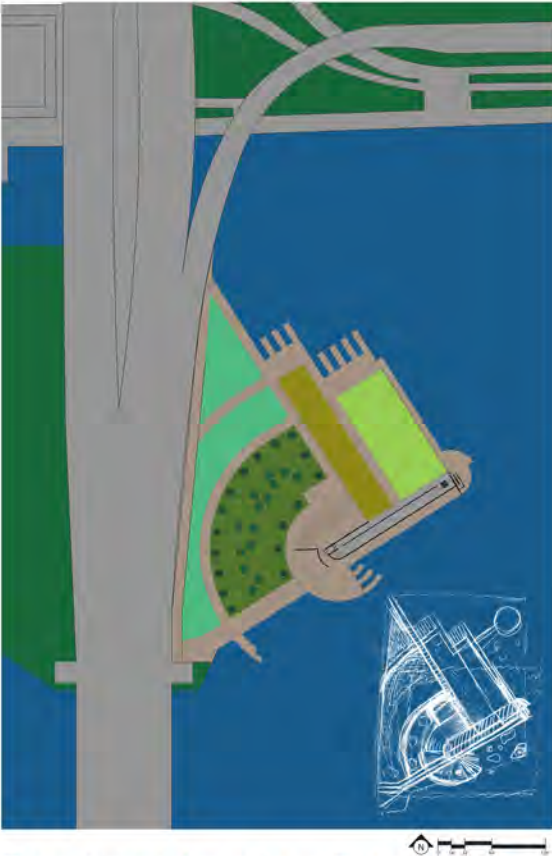


Experience the conflict of collision - Man vs Nature.

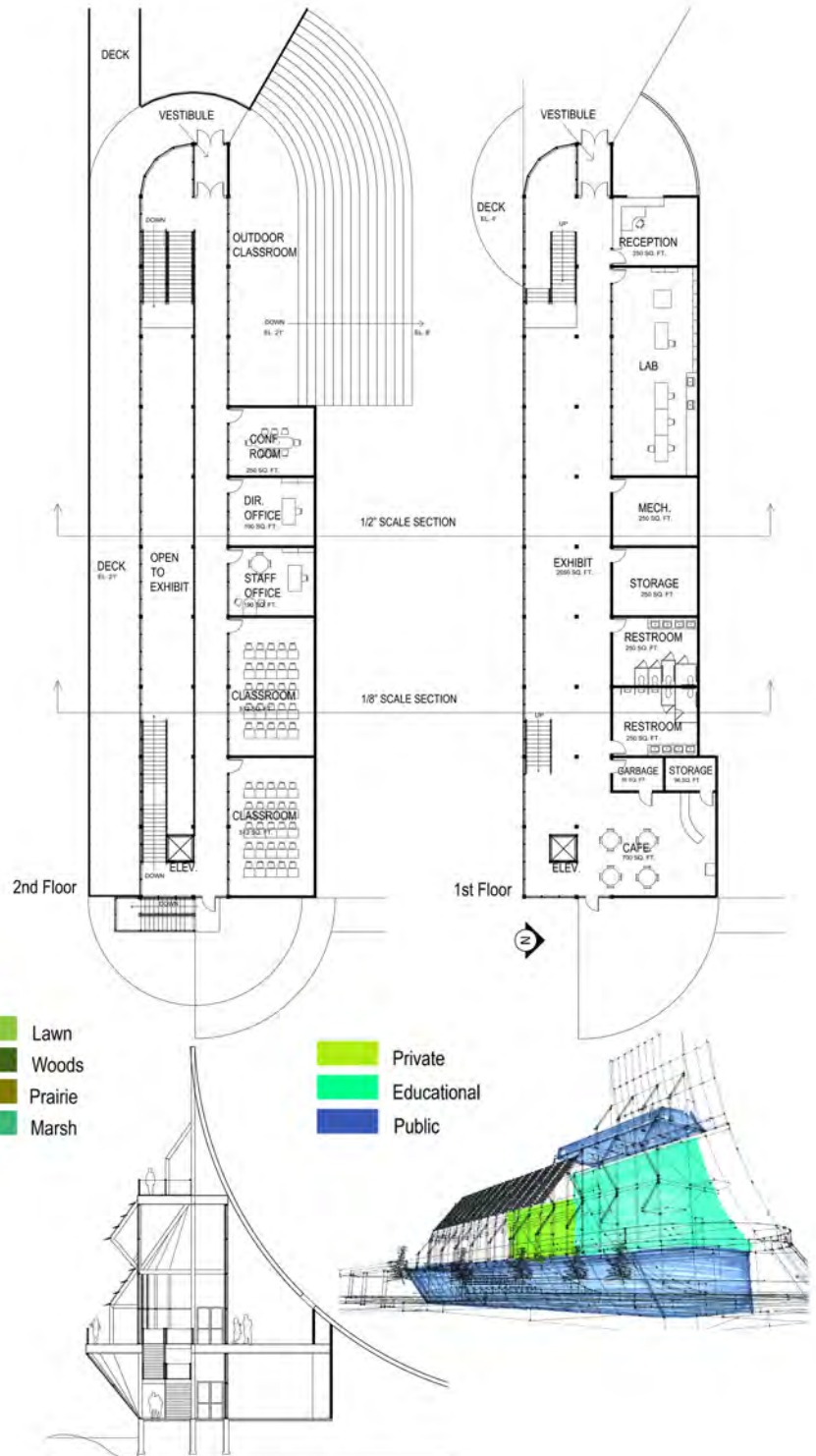
Be inspired - Witness the power of a positive impact.

Solar panels tilt and move up and down to capture and deflect sunshine depending on the weather conditions, time of day, and season. This flexibility affords the utilization of greenhouse warming in winter and solar shading in summer while providing electricity year round.

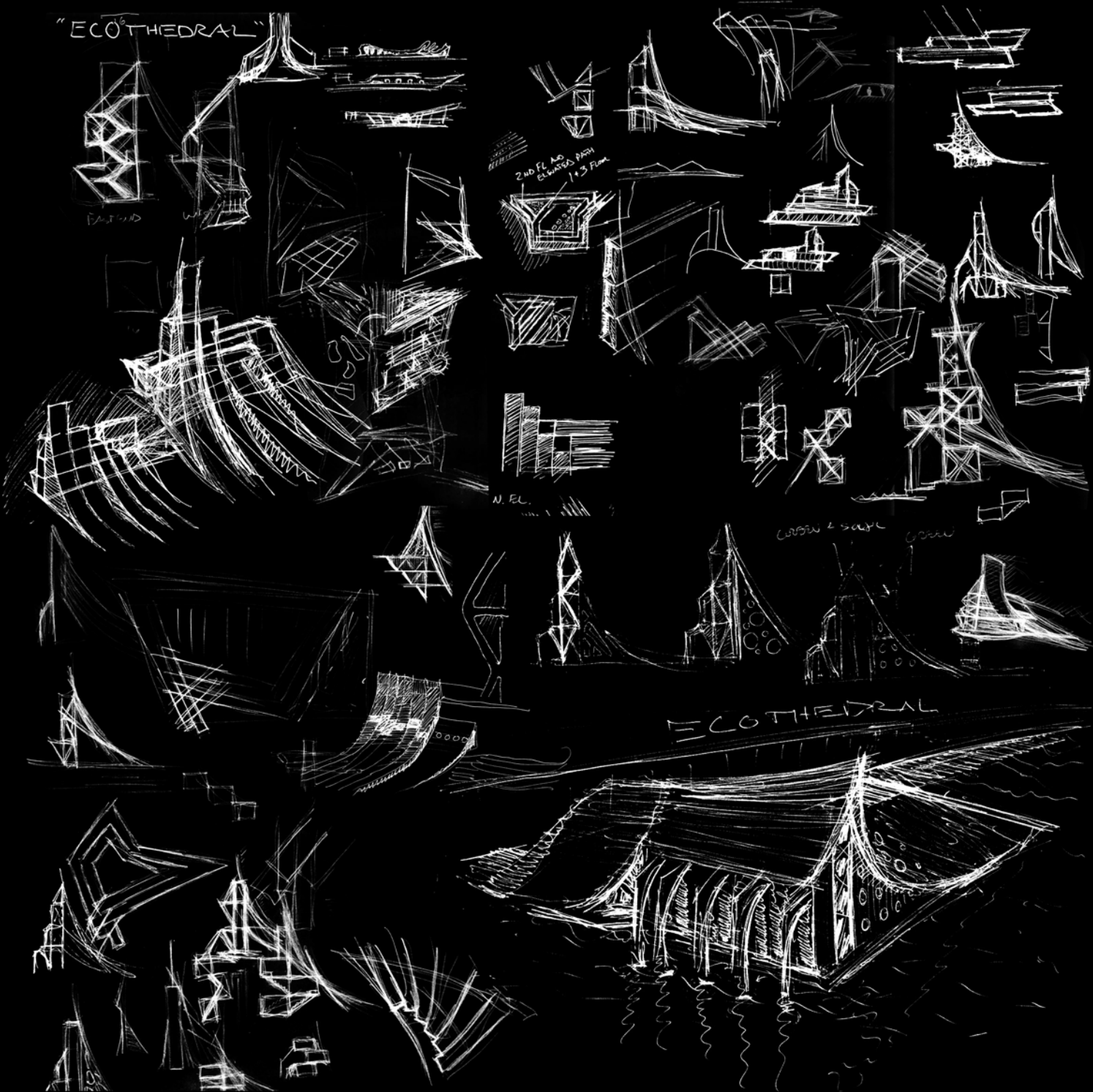




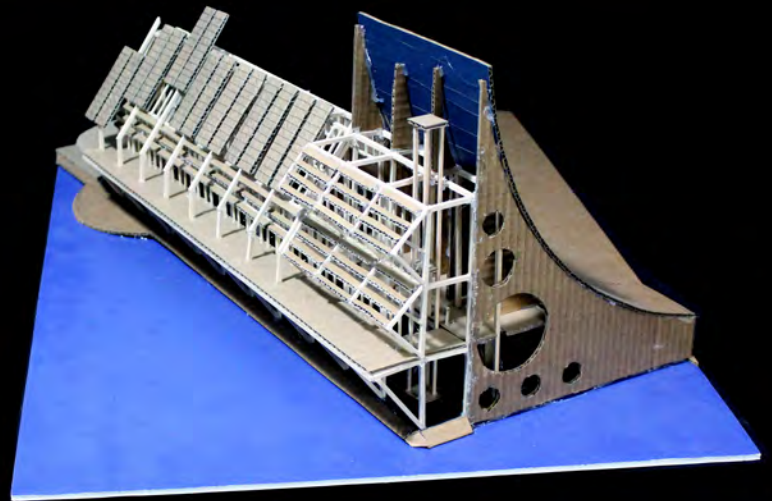
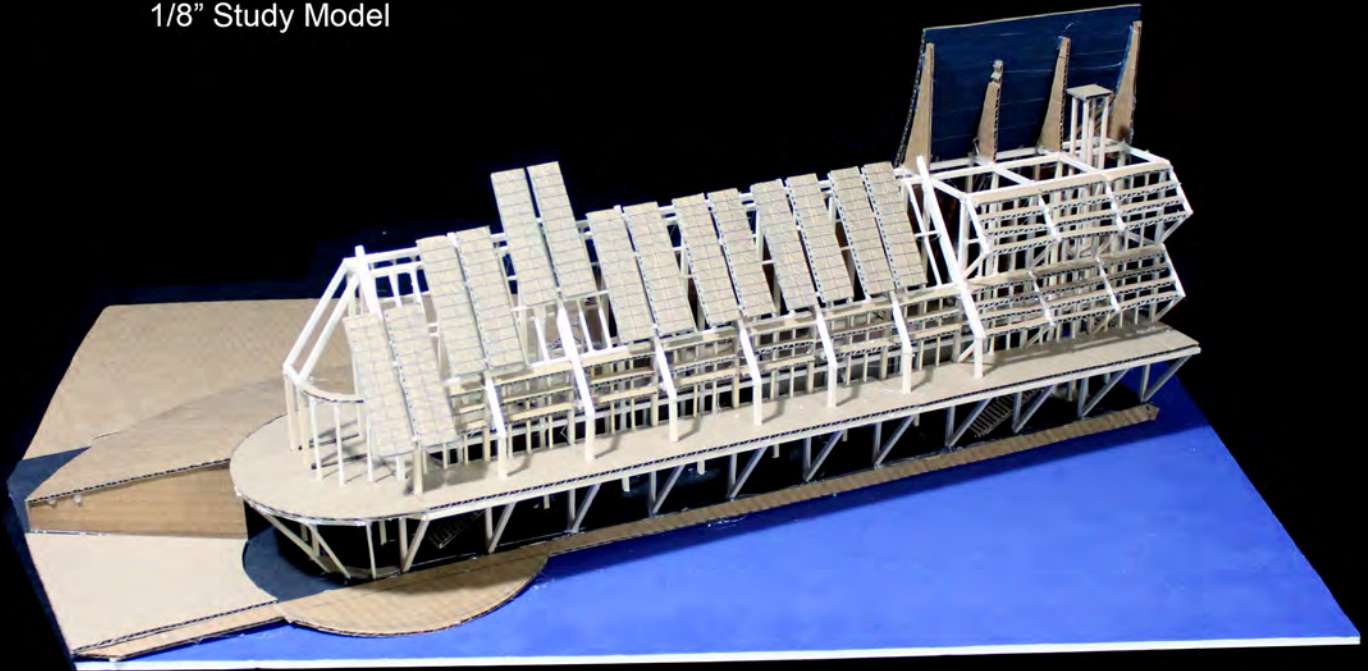
The park plan refers to the conflict between urban and natural environments through Intersecting radial and linear paths. Paths for enjoying nature curve, while urban influenced paths remain linear.



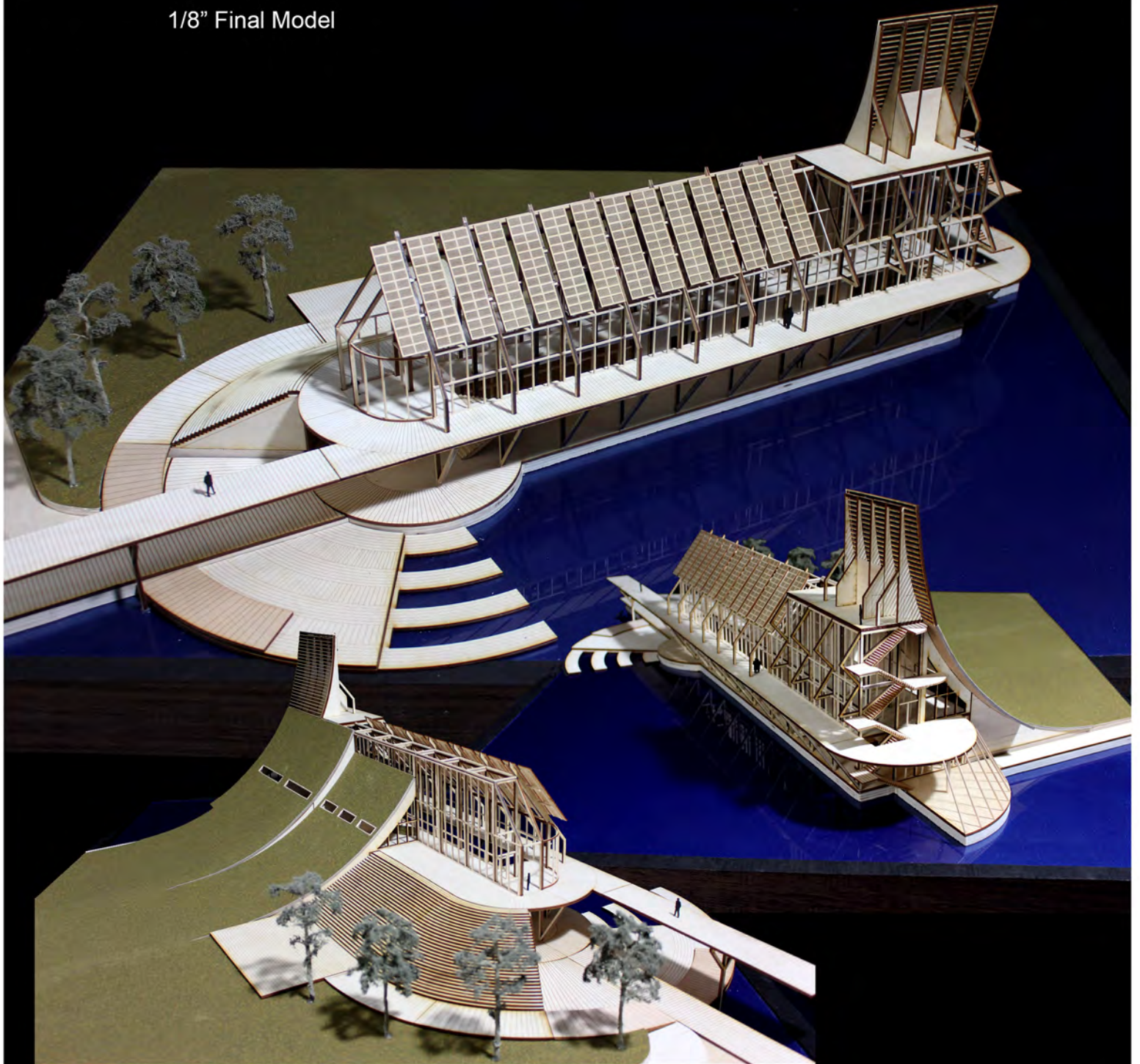
"ECOTHEDRAL"



1/8" Study Model

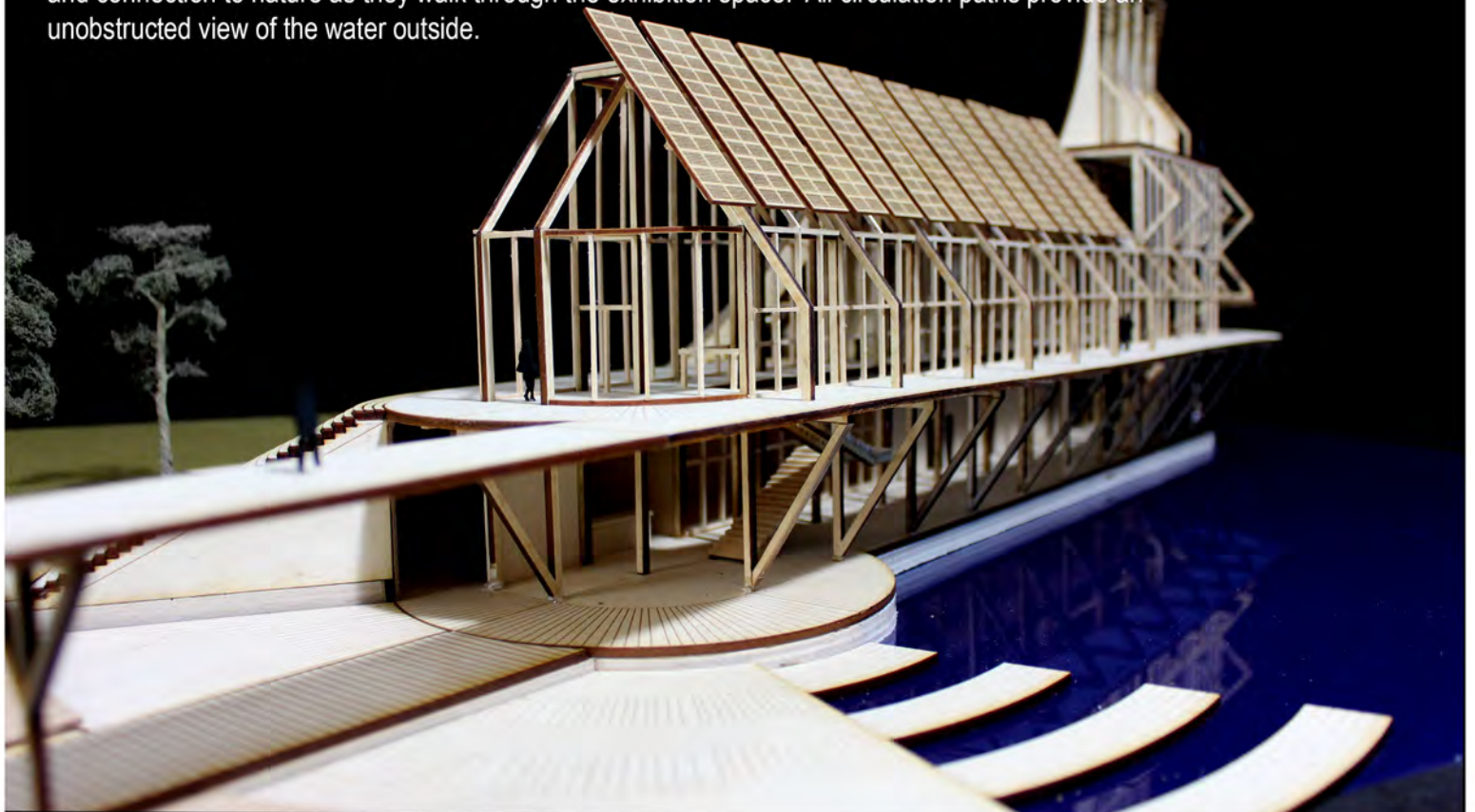


1/8" Final Model

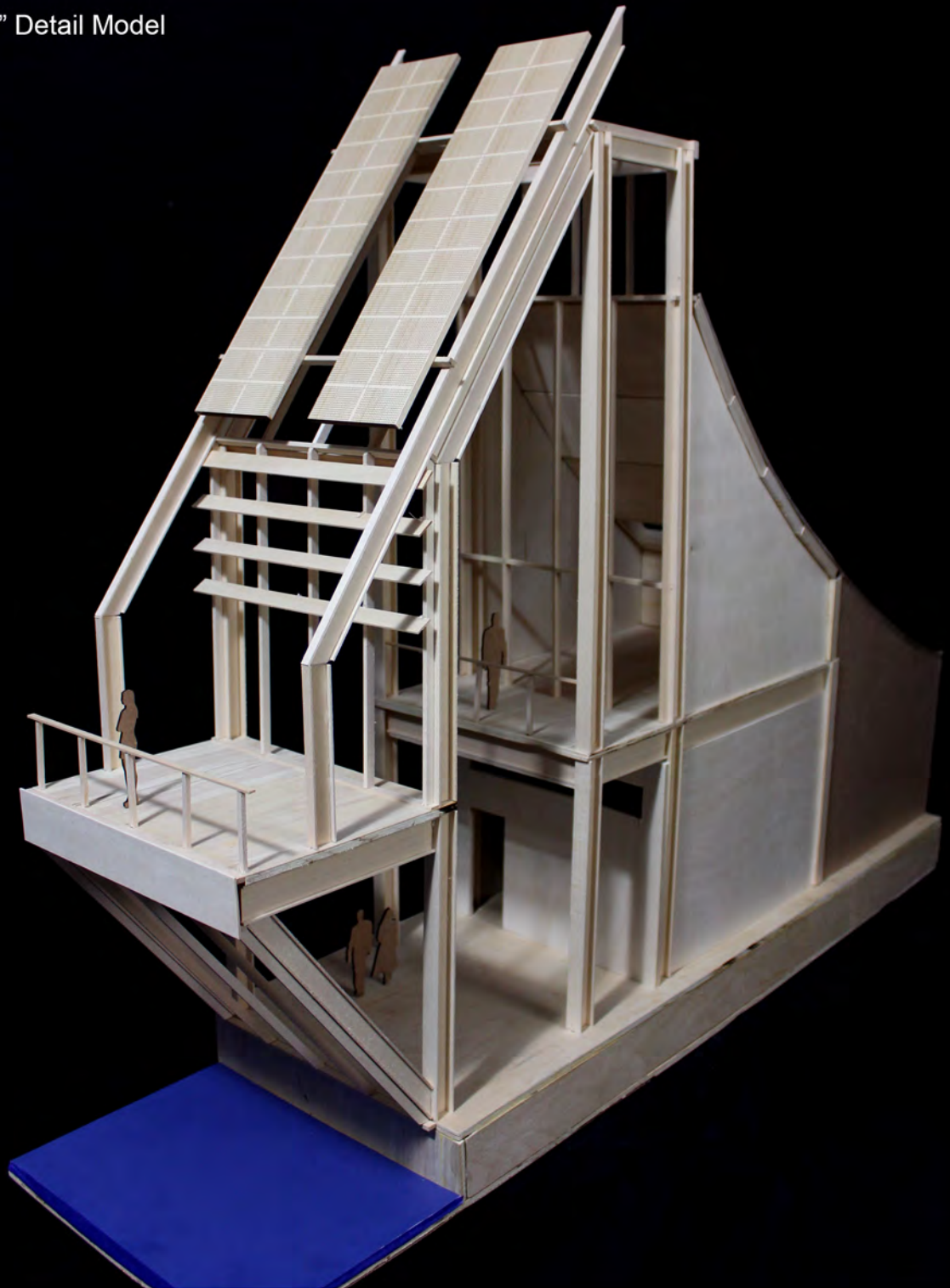


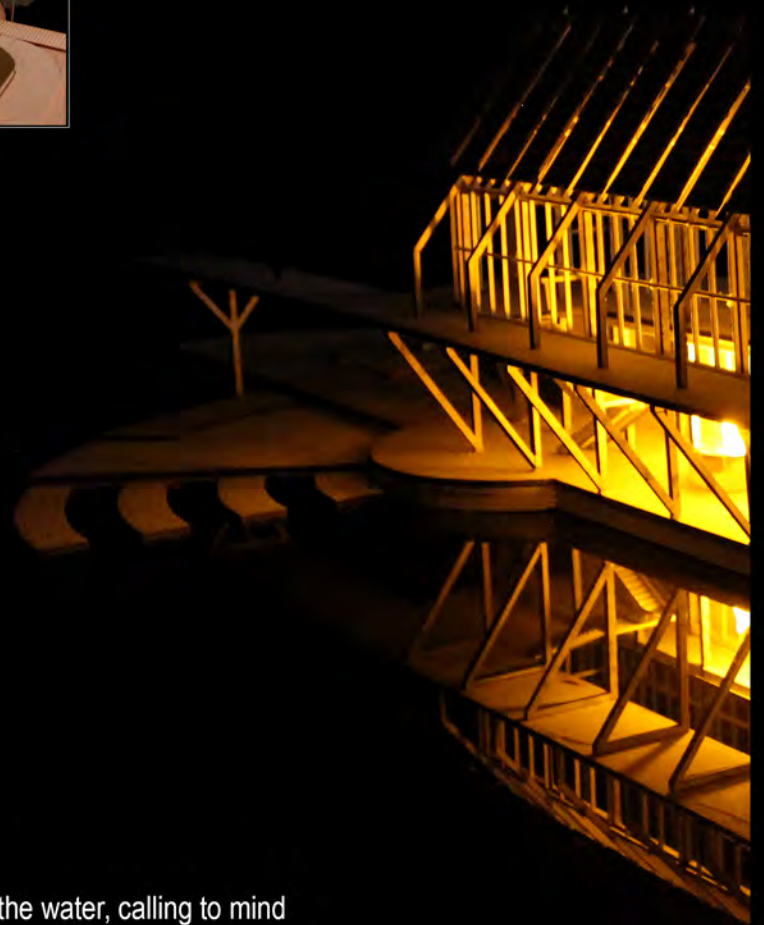


The linear layout of the building continues and carries over from the path lining the river. This creates a near seamless transition from exterior to interior and enhances the visitors experience and connection to nature as they walk through the exhibition space. All circulation paths provide an unobstructed view of the water outside.



1/2" Detail Model





After dark the EcoThedral glows like a chandelier floating on the water, calling to mind the lights of a cruise ship sailing across the night. This is a ship for the mind, with the power to propel Chicago towards a brighter, more sustainable future.

