

Concept Deveolpment and Sketches

CONCEPT

The pavilion design is inspired by the lightness and structural composition of butterfly wings, expressing movement and fluidity through overlapping, translucent elements. The color palette draws from the vibrant tones of insects, enhancing visual richness and creating a dynamic architectural identity.

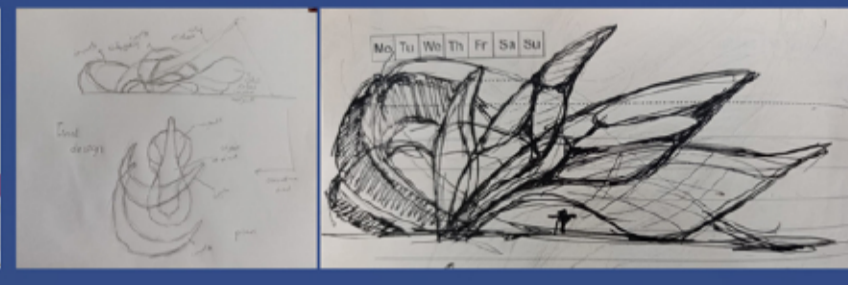


LOCATION

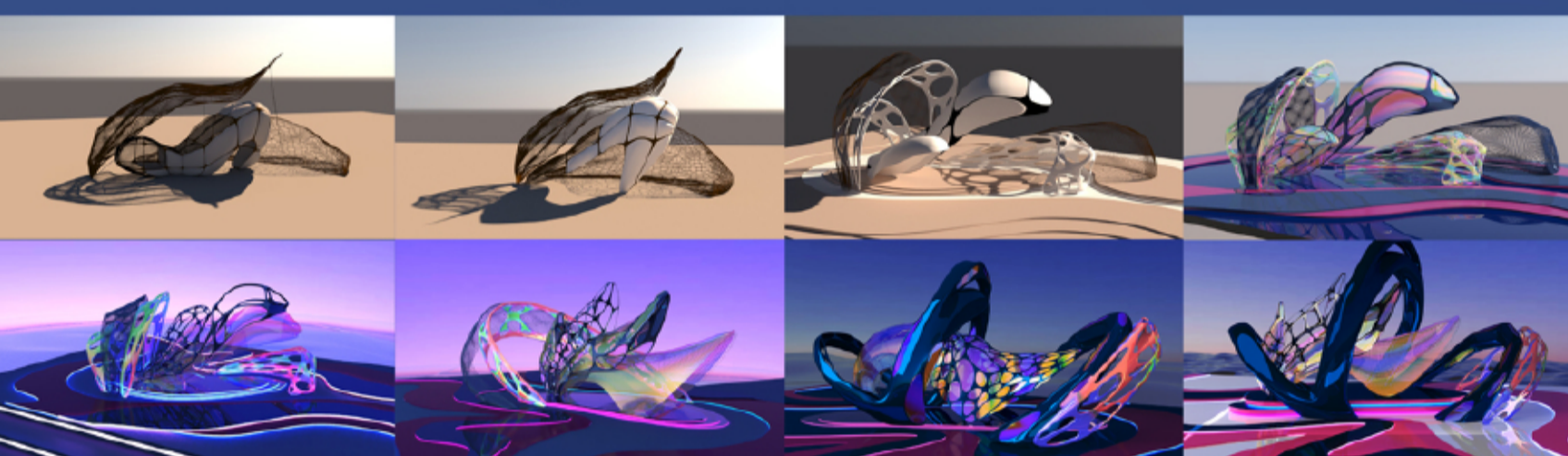
The pavilion floats on the calm waters of Lake Kawaguchi, Japan, blending harmoniously with its serene surroundings.



SKETCHES



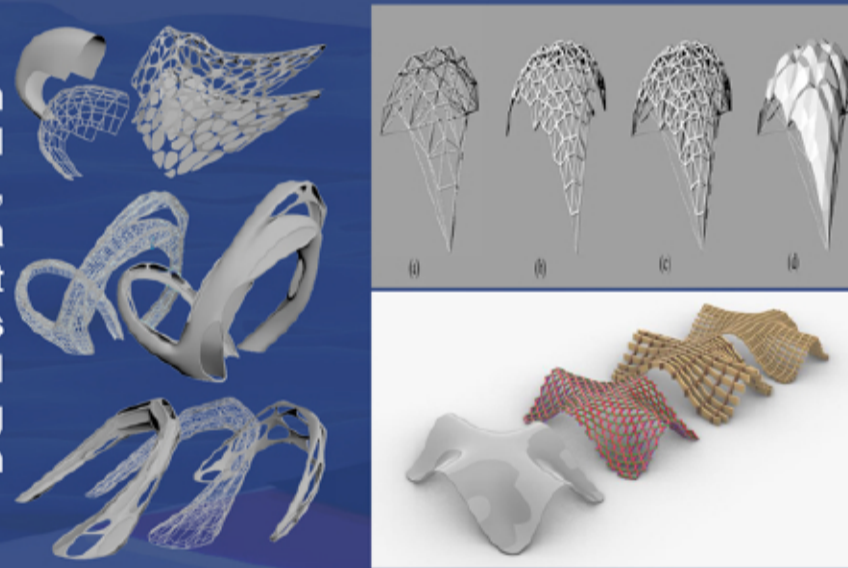
Pavilion Construction Stages



Construction Method

Shell Structure

The pavilion can be described as a free-form shell structure, where the load is carried through continuous curved surfaces. However, unlike traditional solid shells, it incorporates a perforated cellular system that reduces weight while maintaining structural efficiency. This hybrid approach enhances both structural performance and visual complexity, allowing for large spans and fluid geometries with minimal support.



Materials

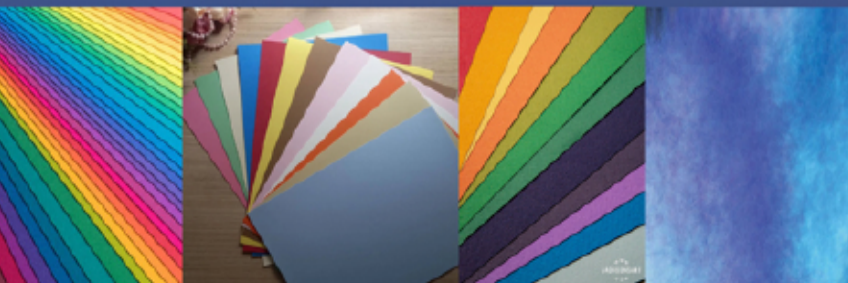
Mquette Materials



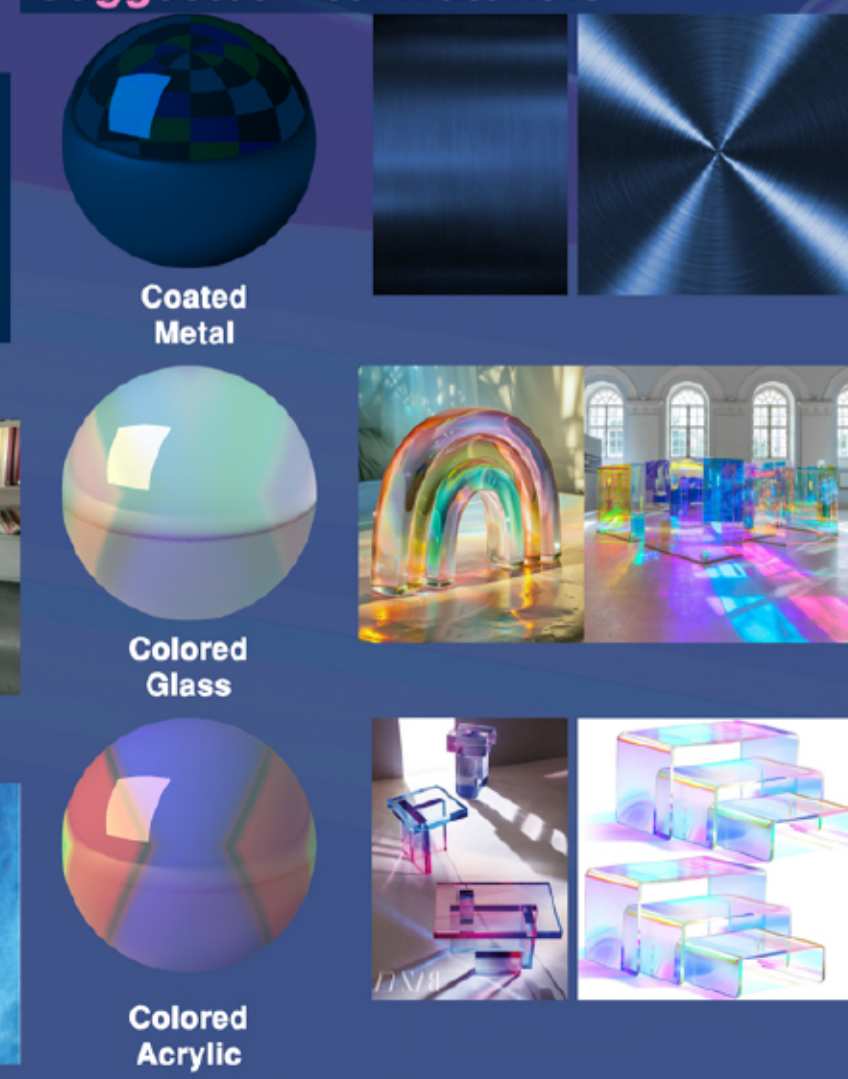
Rainbow Vinily



Polo Paper



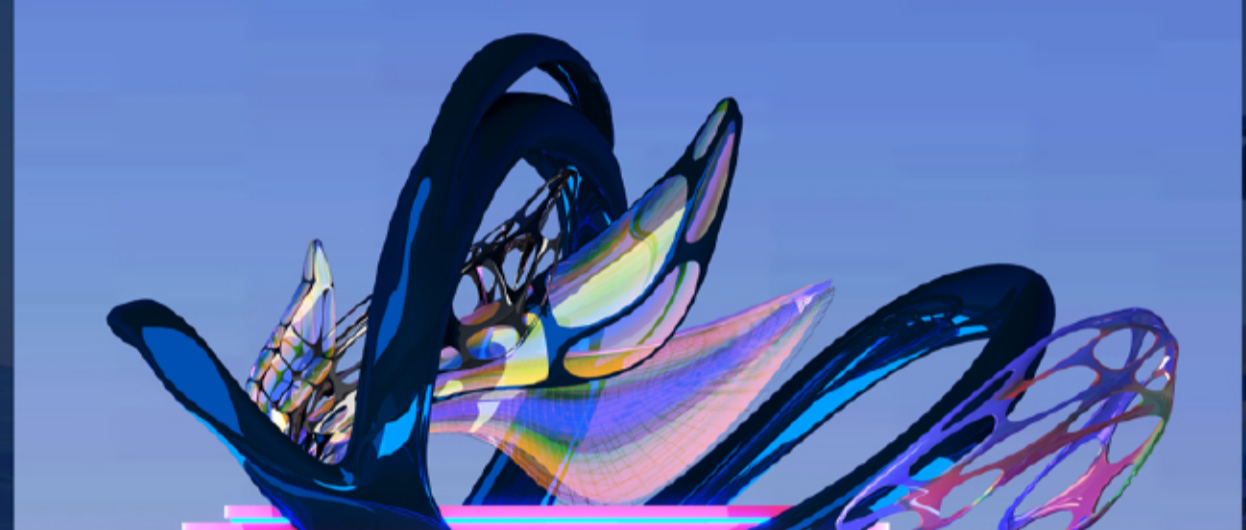
Suggested Real Materials



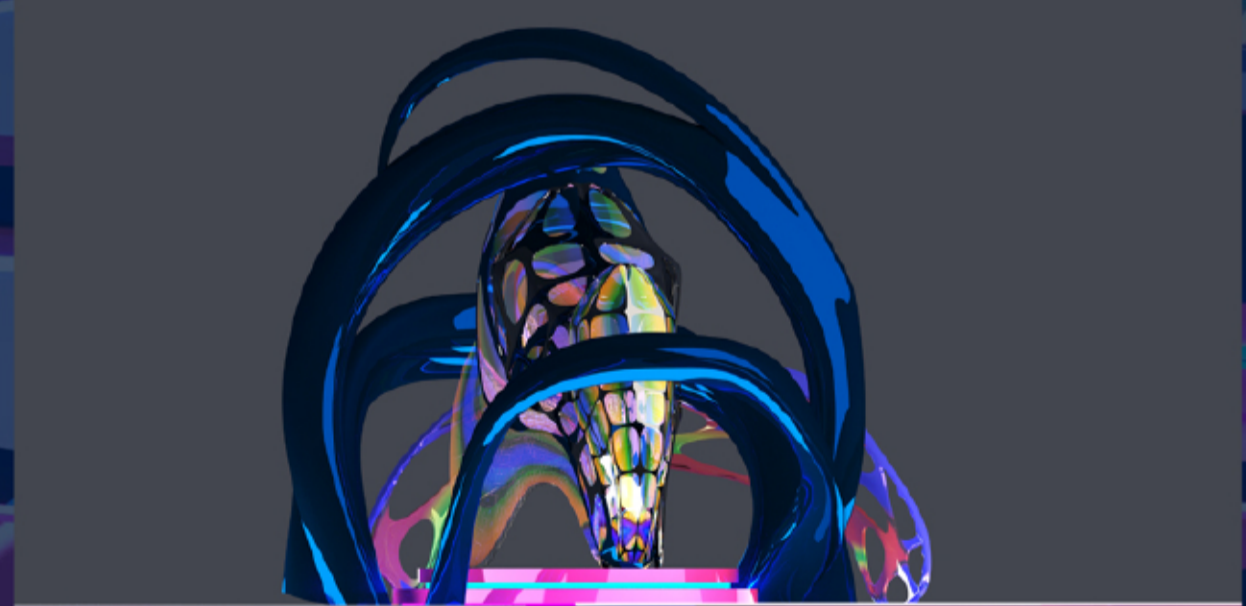
3D Projections



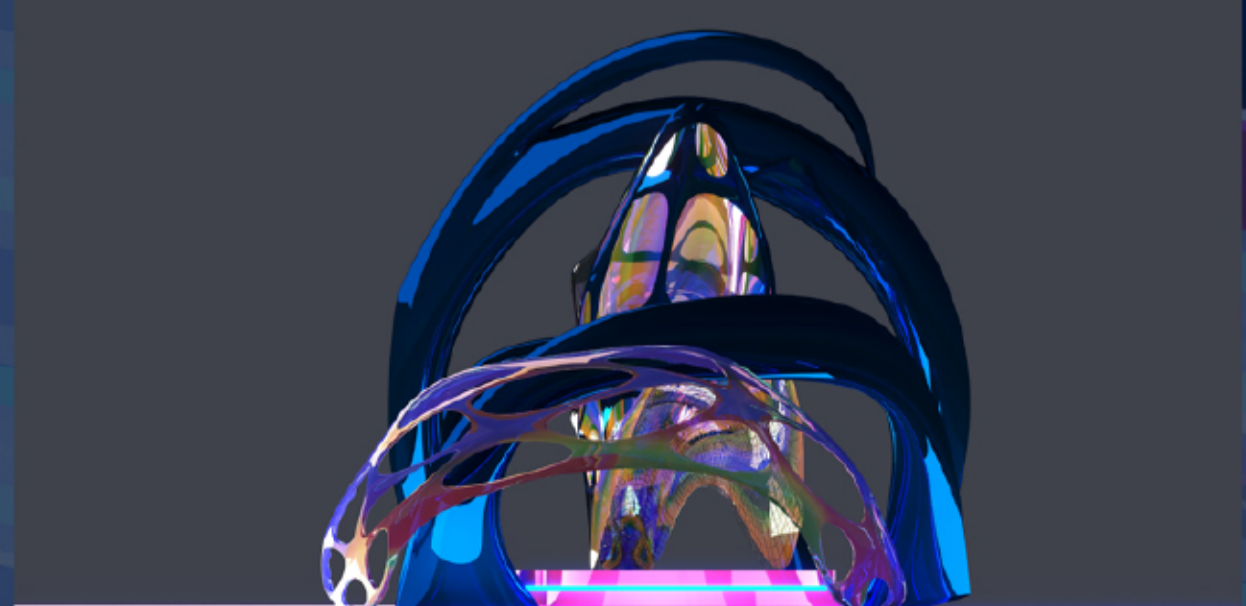
plan



Elevation



Left view side



Right view side

3D Shouts



Maquette Shouts

