INFINITE GEOMETRIES

Pop up for Noguchi Akari

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This project is an investigation of the multiple stages of **expansion** and **collapse** abstracted from the system of construction and assembly used to create the Akari Lamps.

The group aims to present a pop-up design that incorporates **modularity**, **collapsibility** and **sustainable** design by combining a modular interlocking cardboard system with a newspaper skin to create a unique structure that can adapt in response to various site requirements.











Traditional Chochin AssemblyWood Ribs – Bamboo Ribbing –
String Attachments - Paper Panels -

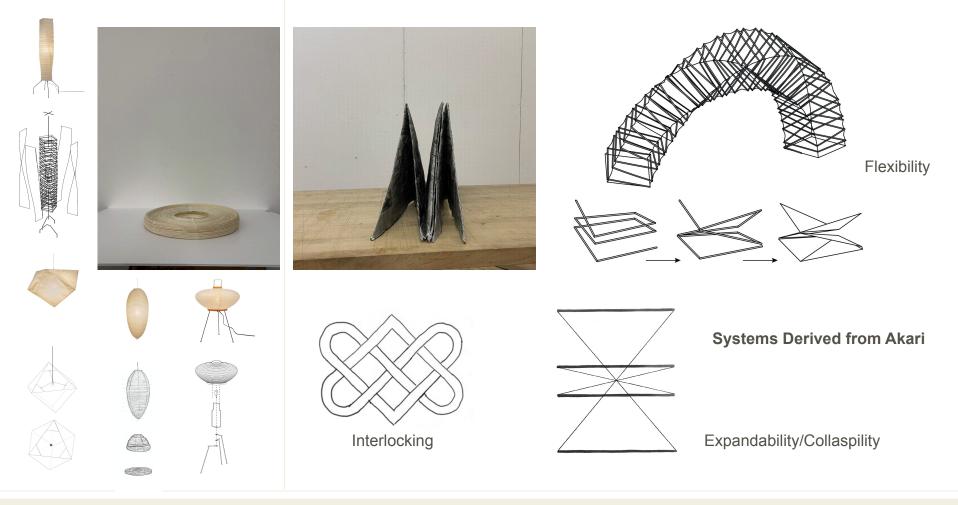




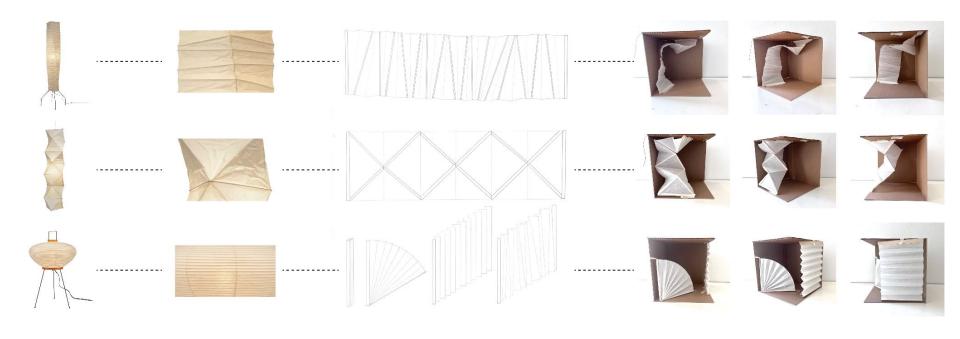
Continuous Geometries Pop-up Assembly Cardboard - Newspaper - Washer - Wire

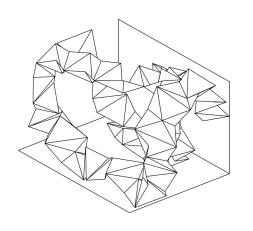


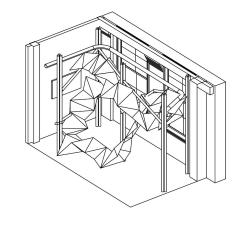




Product System Comparable

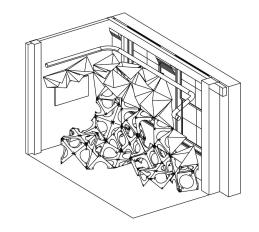






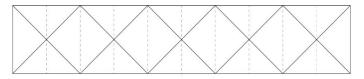


Structure Process





Final Process







Paper Folds



Module Fold System



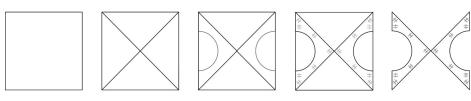




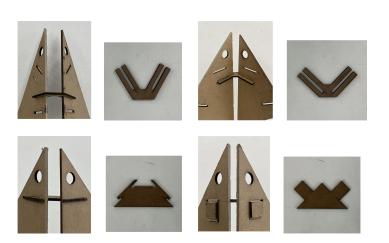








Module Development System



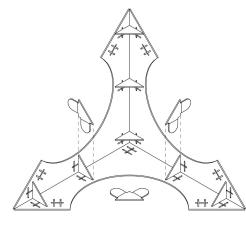
Connection Development System



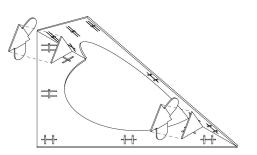


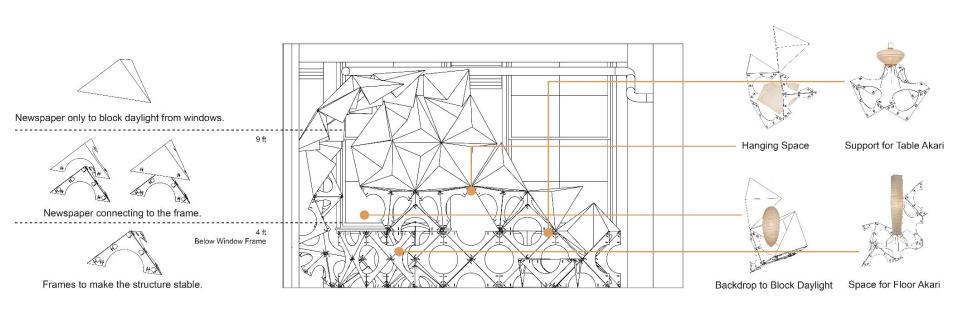






Assembly Details









Flour+Gouache+Water



Mix and Heat

- Mixture of Flour, Gouache and Water
- Newspaper



Reused Newspaper

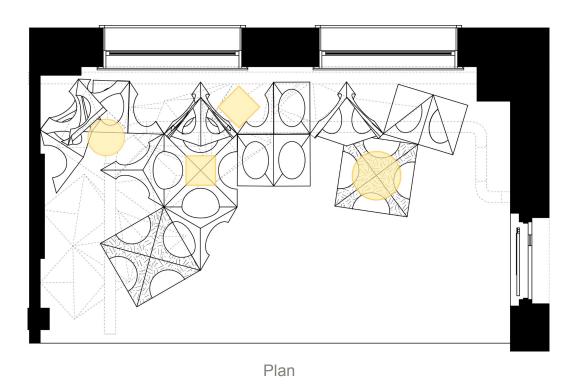


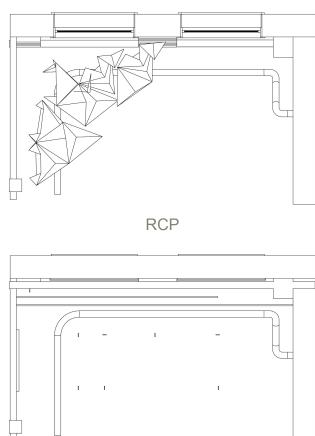




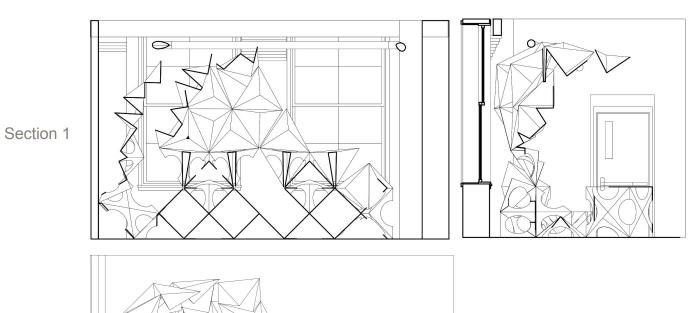




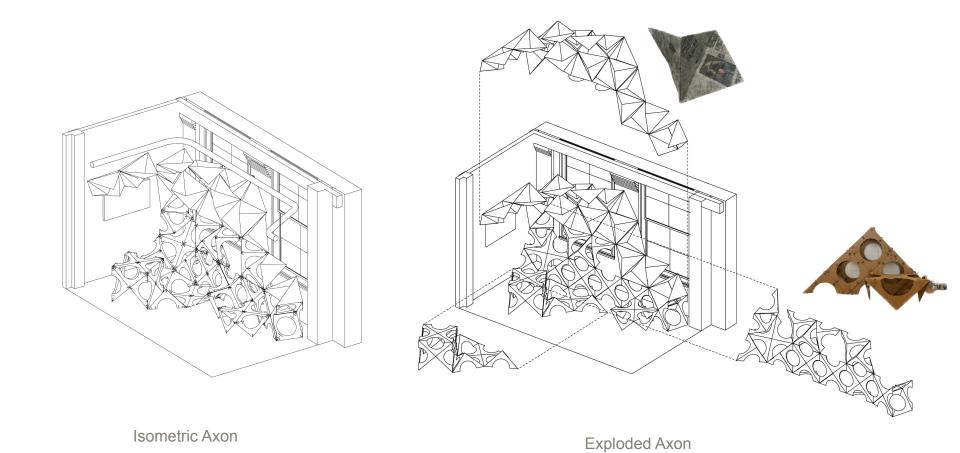




Technical Drawings



Section 2



Technical Drawings

