# NOGUCHI + PRATT 2023

# AURA OF LIGHT: Spirit of the Artisan

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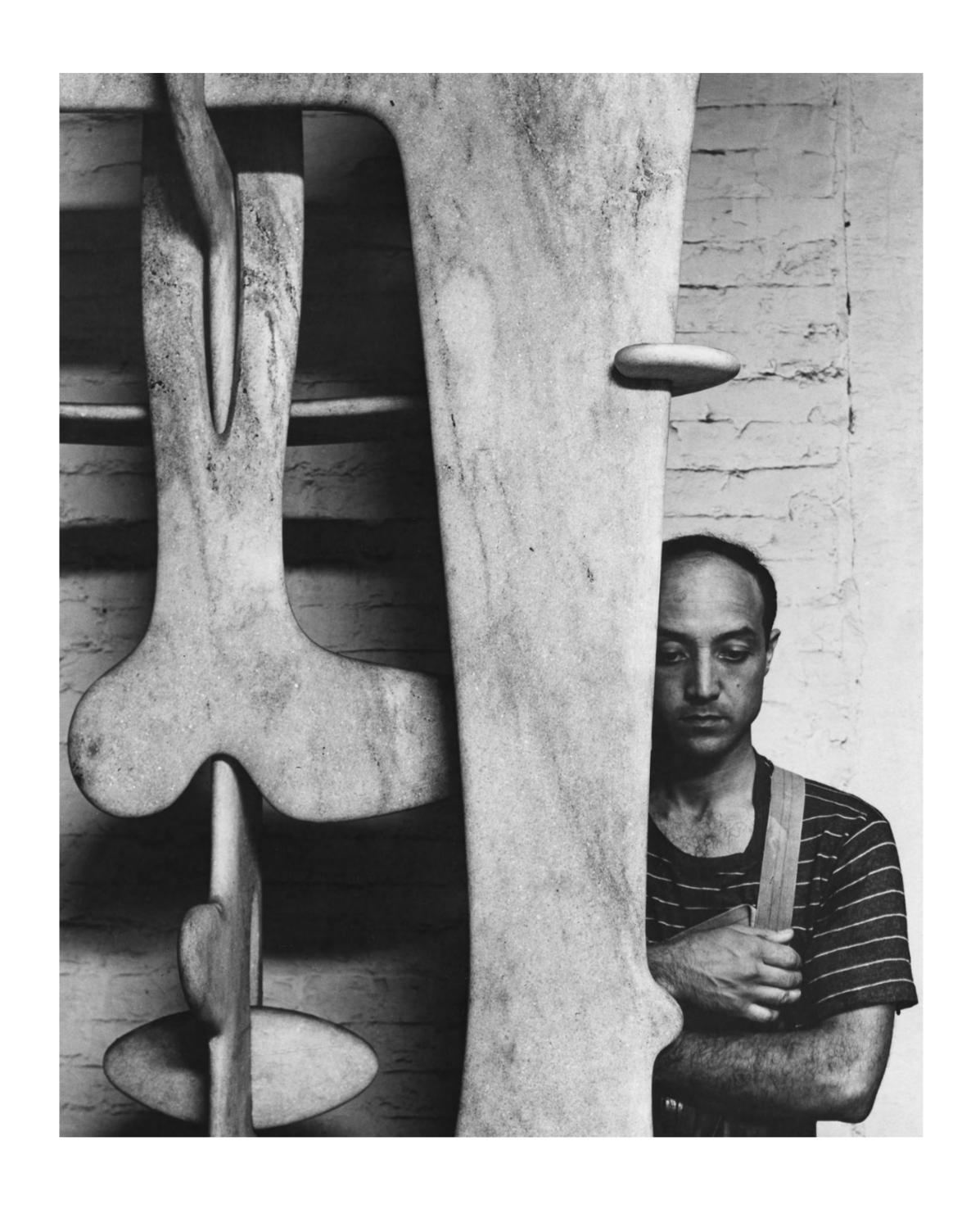
# AURA OF LIGHT: Spirit of the Artisan

This easily re-assemblable lightweight Pop-Up apparatus is self sustainable. It is free of needing to use plugs or cords and is not dependent on surrounding structures. The ease of putting The Aura of Light together plus deinstalling it, enhances the Pop-Up mobility and strategy.

The presence of this installation resembles the geometry and form of Noguchi's aesthetic. The visitors can recognize it from a distance. This display system honors Noguchi's use of interlocking systems and the concept of a meandering dry garden, allowing visitors to experience the Akari through various vantage points and perspectives.



#### IS/MU NOGUCHI



Beauty and simplicity is fundamental to Noguchi's understanding of nature, which informed much of the artist's work which created a sense of organic unity and serenity. Deeply influenced by Japanese concepts like wabi-sabi, which celebrates the beauty of imperfection; Noguchi believed that the natural word was constantly evolving and adapting to its surroundings, a dynamic quality reflected in his art. Noguchi's creative approach is filled with a sense of interconnectedness. He believed that the natural environment was not separate, but an integral part, of humanity; establishing this relationship as symbiotic creates a harmony within Noguchi's design language.

## PRECEDENT RESEARCH

The inspiration for this design comes from the bamboo skeletal boning of Noguchi's Akari light sculptures and his refined interlocking sculptures. It evokes utsuri, which symbolizes transformation and reminds us of the impermanence of all things.

This design transforms pieces of bamboo and sculptural bones into a pop-up retail shop to highlight the poetic *komorebi* essence of the Akari. It creates a beautiful and melancholy nostalgia for the onlooker by framing the Akari and highlighting its illumination. The entirely handmade construction of the design carries the spirit of kintsugi.

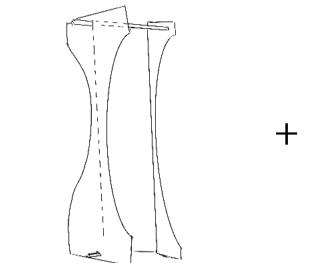


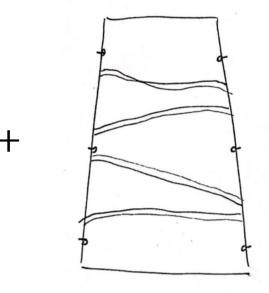
### DESIGN PROCESS

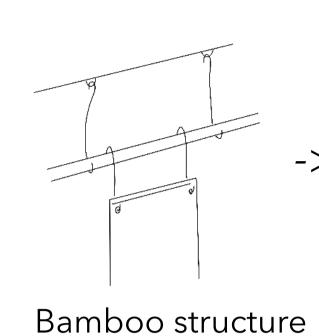
Analyzing the transparency and structural form of an Akari, emerged the interest in using fabric and bamboo connections in the pop-up design.

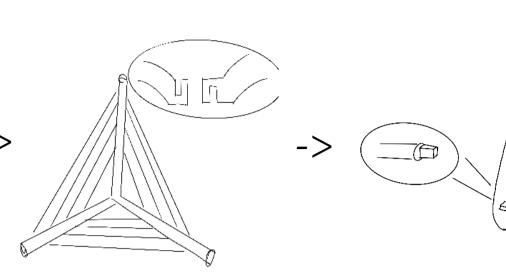
Storage space within smaller display structures were explored, but ultimately, cable management was no longer an issue and storage was removed.

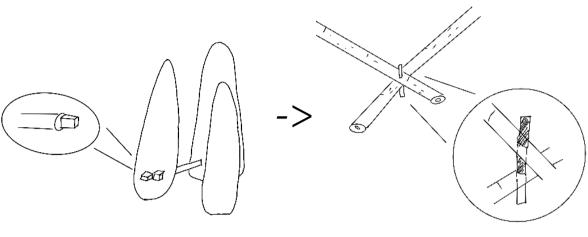




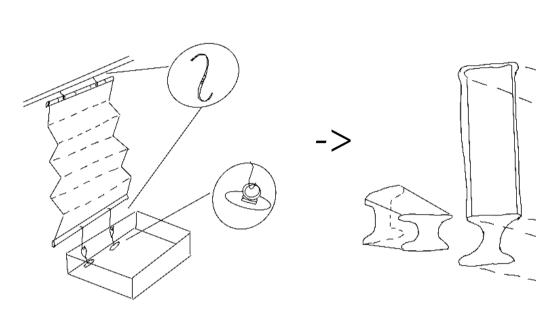


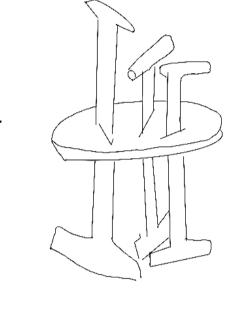


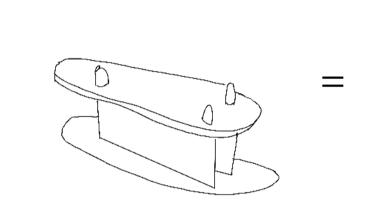


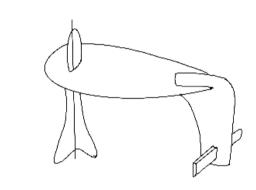




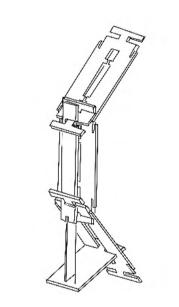


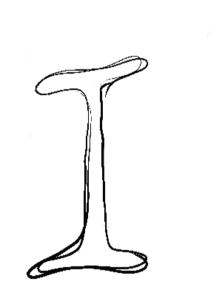


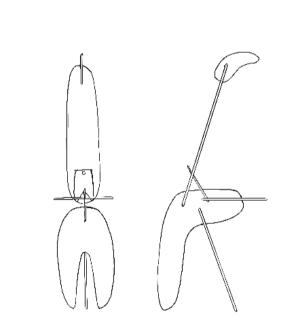




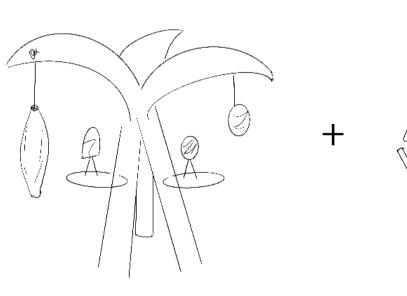
Combining two ideas (images on the right) to create an organic bone-like structure, we began to create a volume to frame the Akari. We focused on the interlocking connection of the first sketch and the organic shapes of the second to transform single units into stable, sculputrally intruging, and easily collapsible forms.

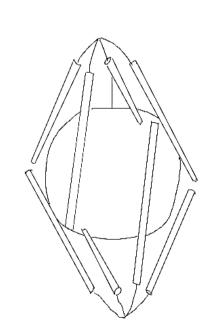


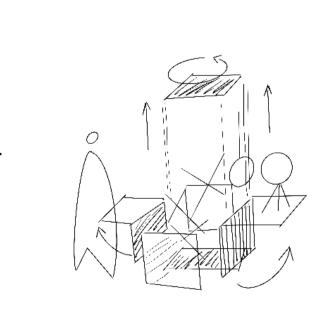


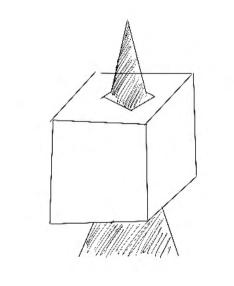


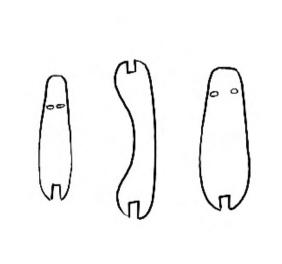
With an interlocking design, we had the basis for the pop-up structures. From here, we spent time analyzing the full catalog of Akaris and which would be ideal for travel in a pop-up retail shop environemnt.

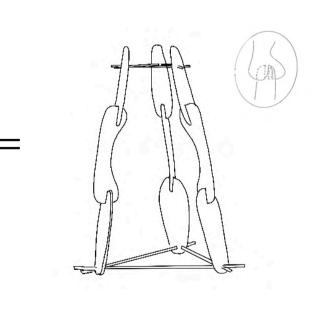


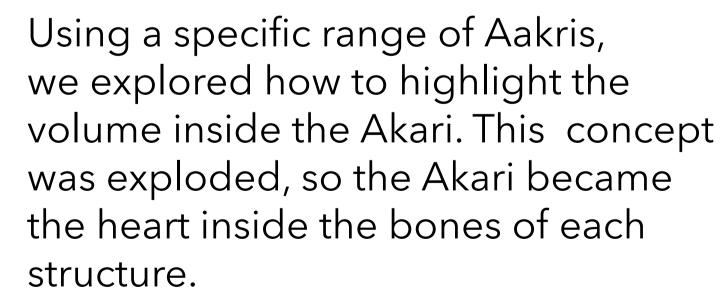


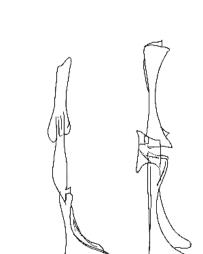


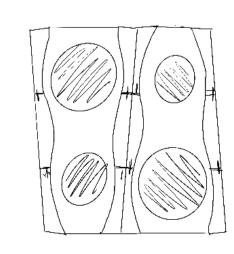


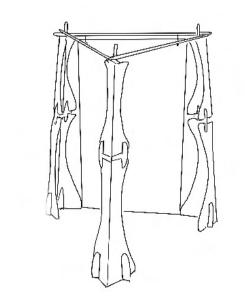












Our final design came from needing stability and durability. A bamboo structure inside is held within beautiful three-piece "bones" that emphasize the individual Akari held inside.

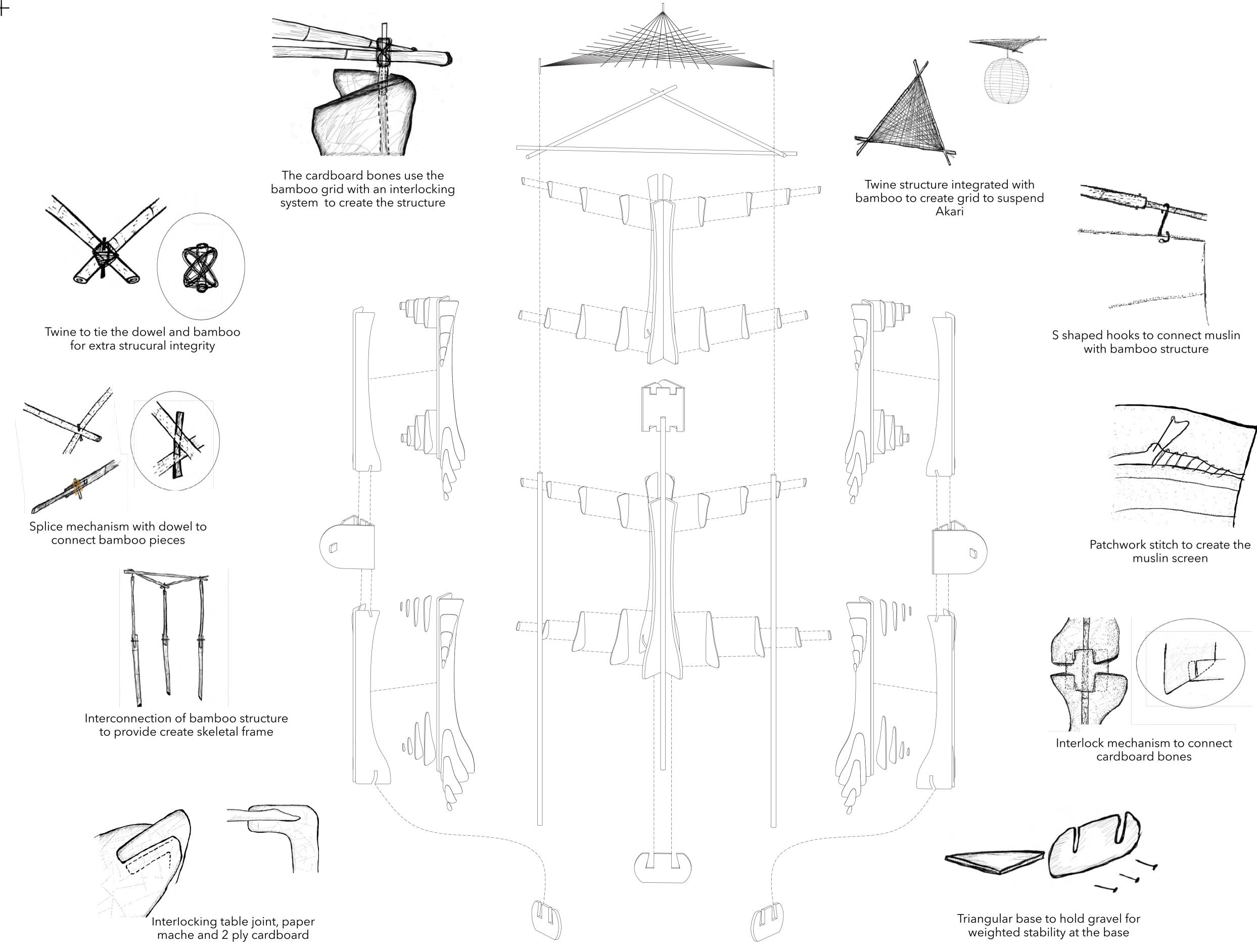
# TAXONOMY + TECTONICS

This diagram focuses on the joinery and the tectonic language of the individual pieces with each other and in relation to the whole structure.

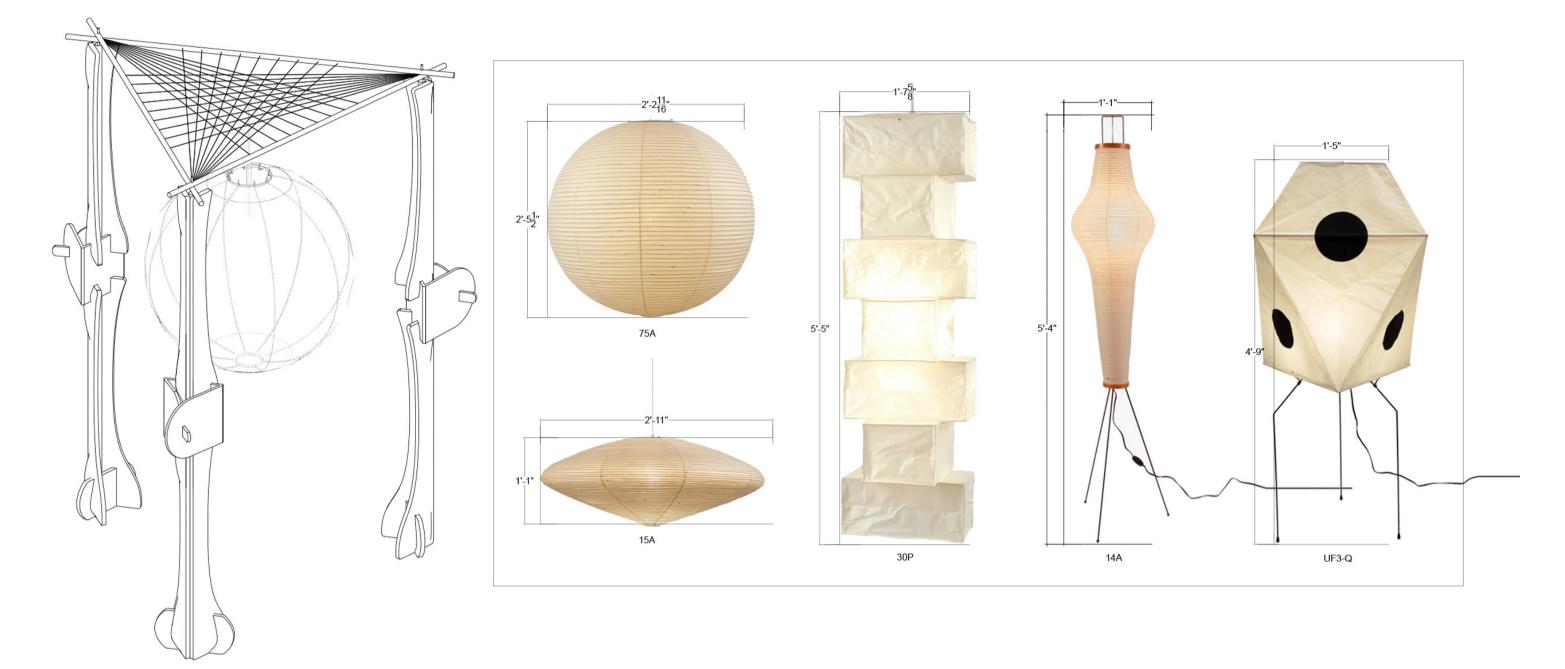
This lightweight sustainable aggregated structure is made possible by the taxonomy which exhibits distinct connection points giving structure stability and form while making it easy to take apart and transport.

The configuration, joinery, geometry and forms was further influenced by Noguchi's systems such as tension, interlocking and suspension.

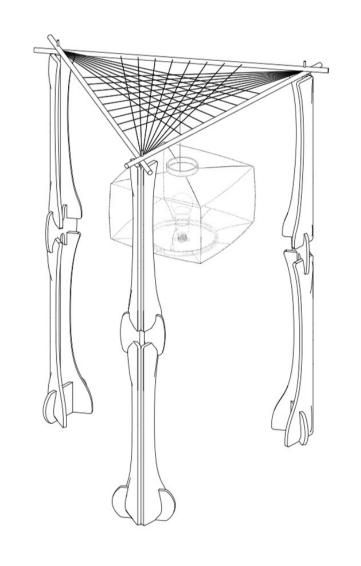
Combining an interior bamboo structure and interlocking connections creates stability and easy assembly.

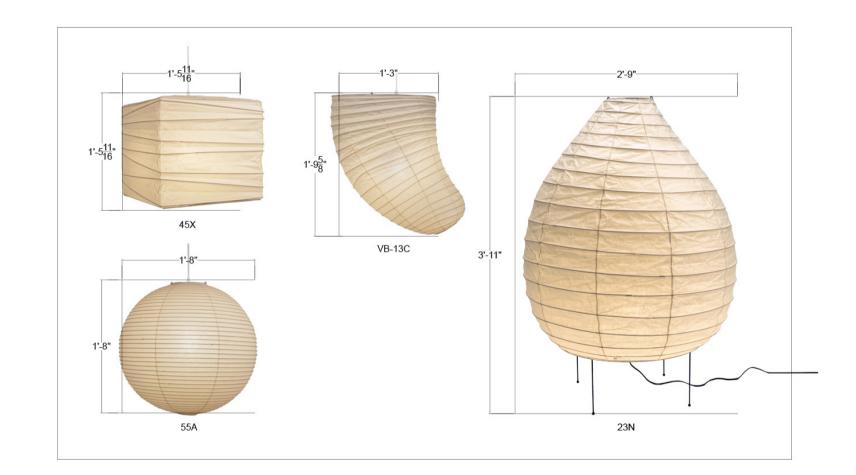


#### DISPL/Y OPTIONS

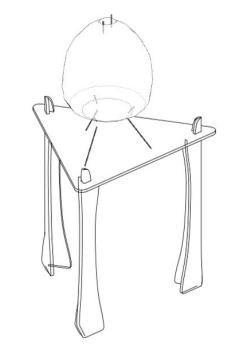


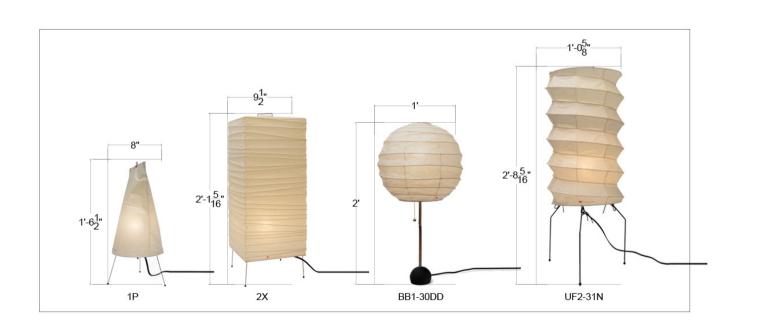
6' model: suitable for displaying ceiling and floor Akari with a width no wider than 4' and a height no taller than 6'. Ceiling Akari cords can be woven through twine grid and all cords can be hidden away alongside the interior bamboo structure.





4' model: suitable for displaying ceiling and floor Akari with a width no wider than 3' and a height no taller than 4'.

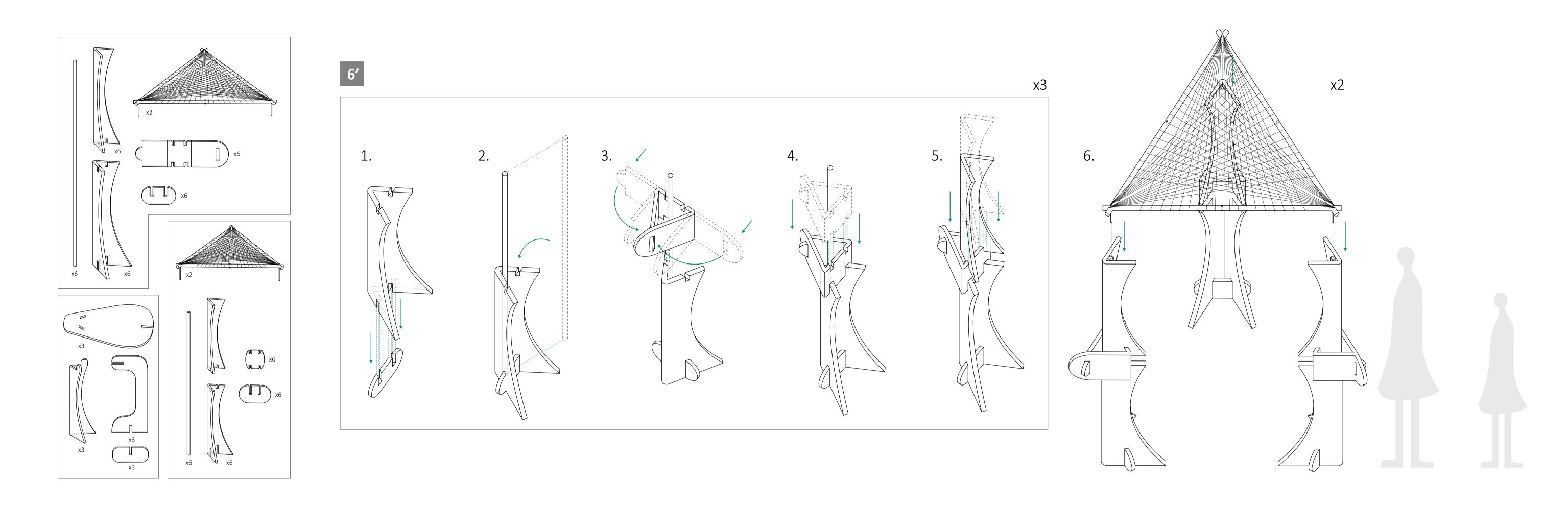


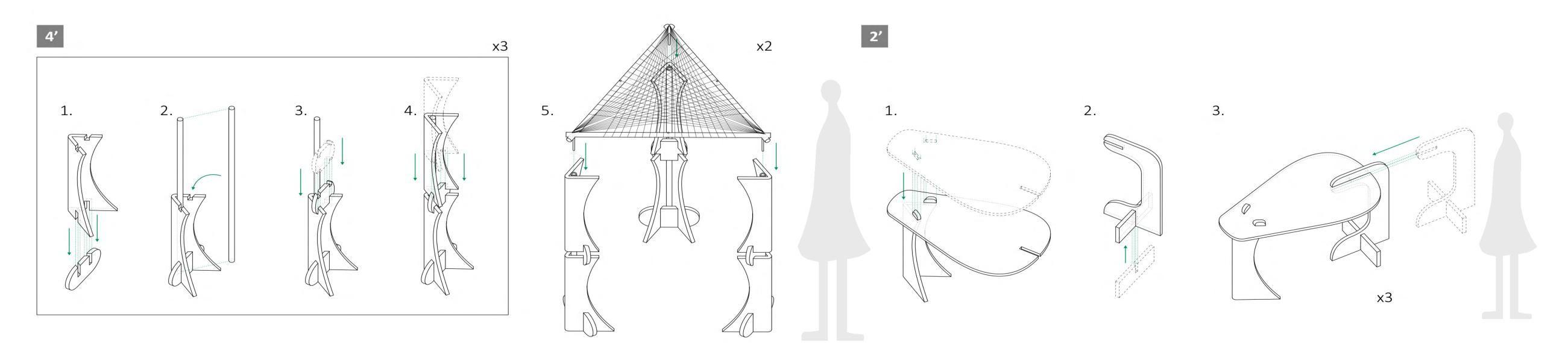


2' model: suitable for displaying table Akari with a width no wider than 1.5' and a height no higher than 2'.



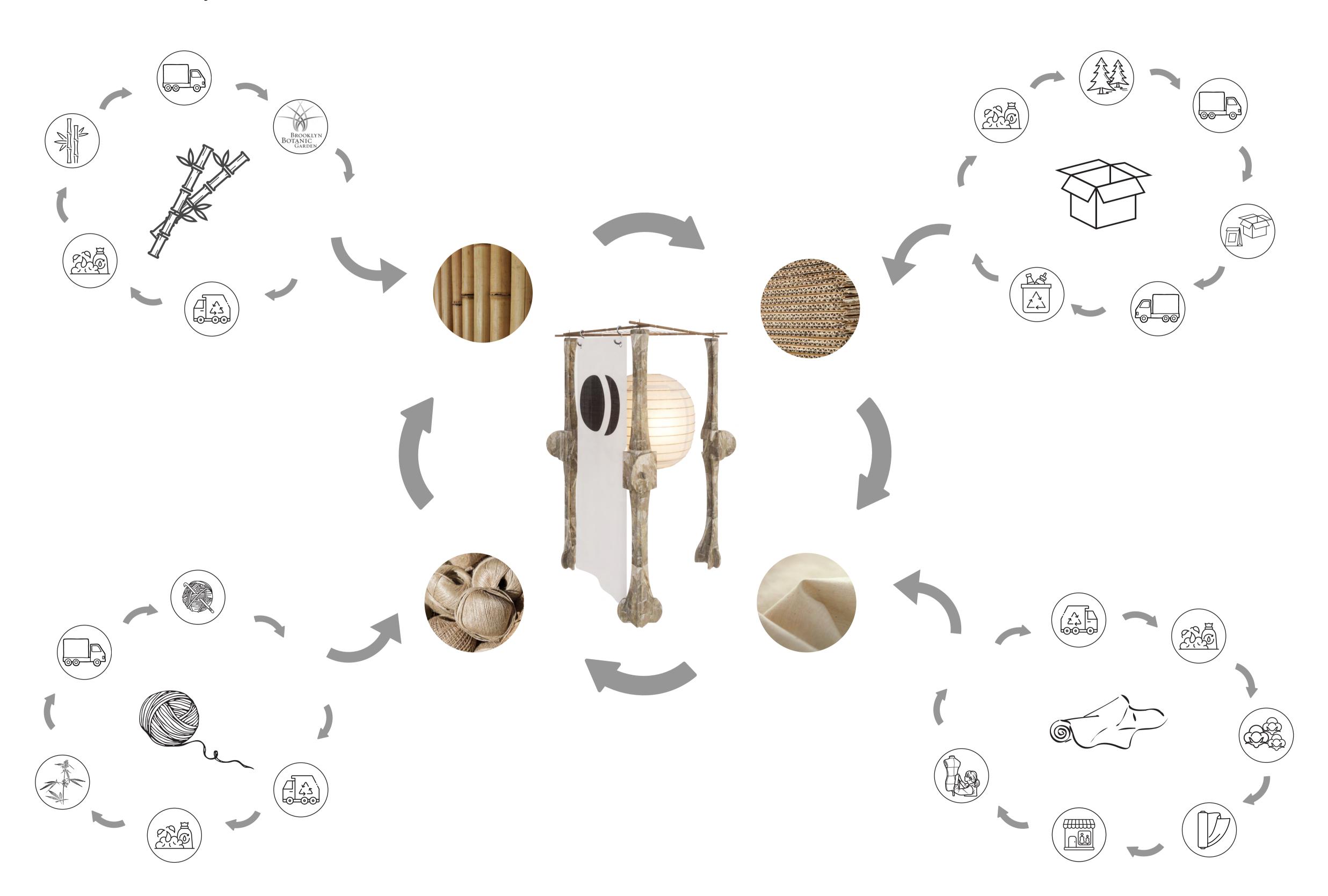
# POP-UP ASSEMBLY MANUAL





# LIFECYCLE OF SUSTAINABLE MATERIALS

This pop-up celebrates the use of sustainability by using materials that have been up-cycled, recycled and sourced from scrap materials around New York City and Pratt Institute.



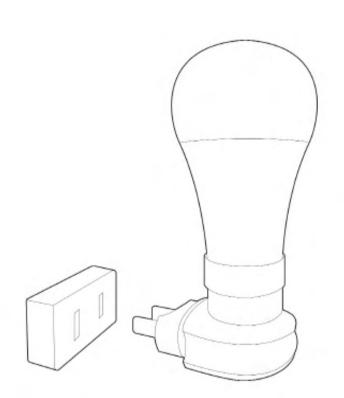
### CABLE MANAGEMENT AND TRANSPORTATION

With this moving pop-up retail shop, there is no need for managing bulky cables, noise pollution from external generators or the hassle of support structures for assembly. Completely self-sufficient and free standing, this pop-up shop can be taken almost anywhere and assembled or disassembled with ease in under 1 hour for a team of 2 individuals.

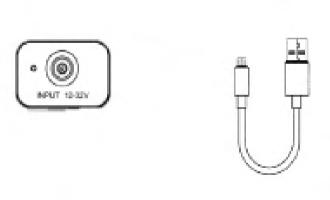
#### LIGHT BULBS

Rechargeable and wireless batteries are featured in this design, for a sustainable and portable solution for Akari lighting.





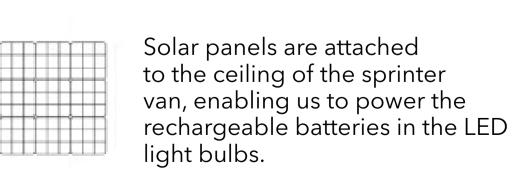
Rechargeable Led Bulb



Power: 9W
Input Voltage: 120 Volt
AC Mode Lumens: 850 lumens
(60W Equivalent)
DC Mode Lumens: 500 lumens
(40W Equivalent)
Light Color: Daylight 5000K
Emergency Time: 3-4 hours
Charging Time: 8-10 hours
Base: E26

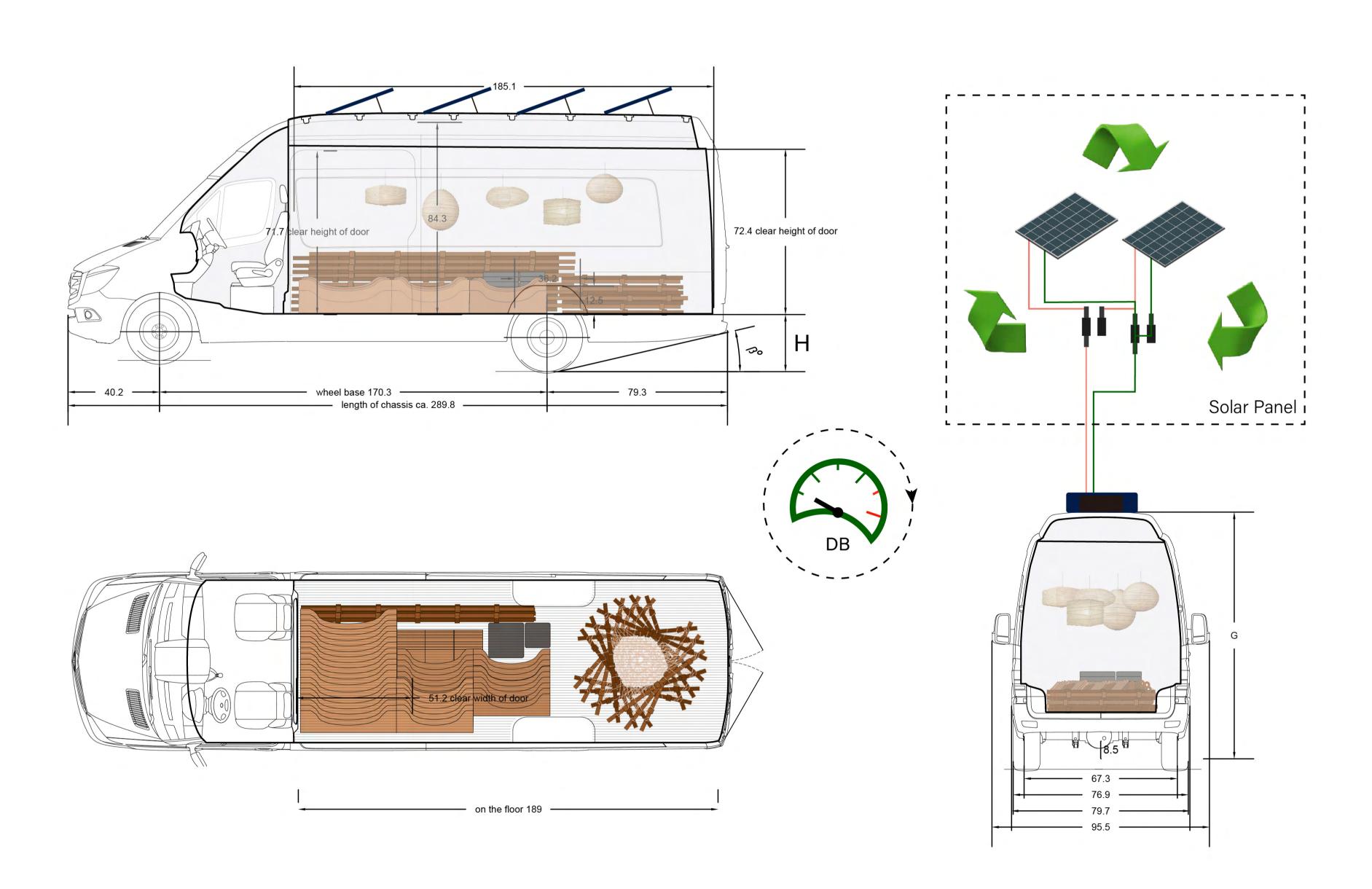




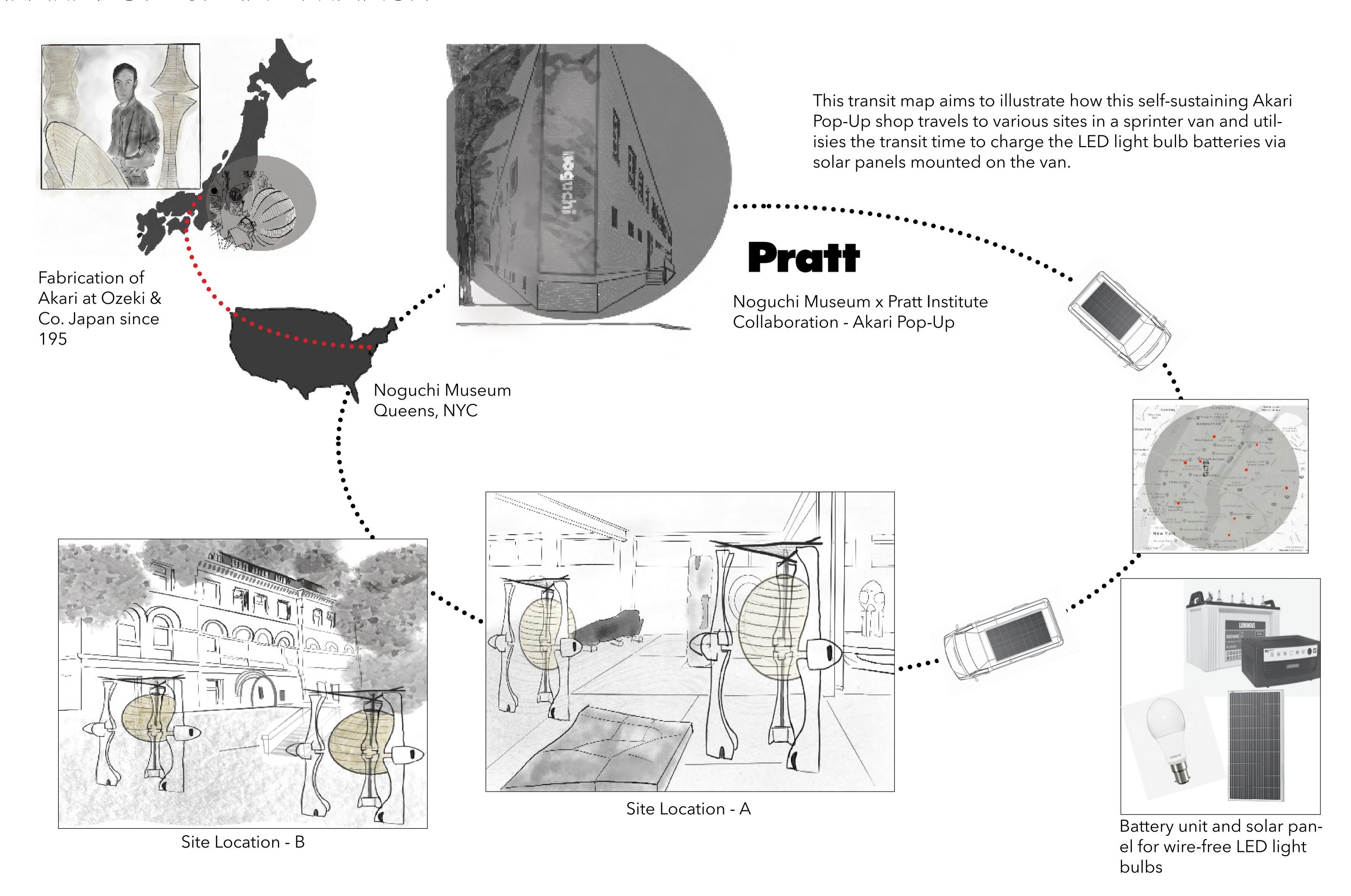


#### Sprinter Van

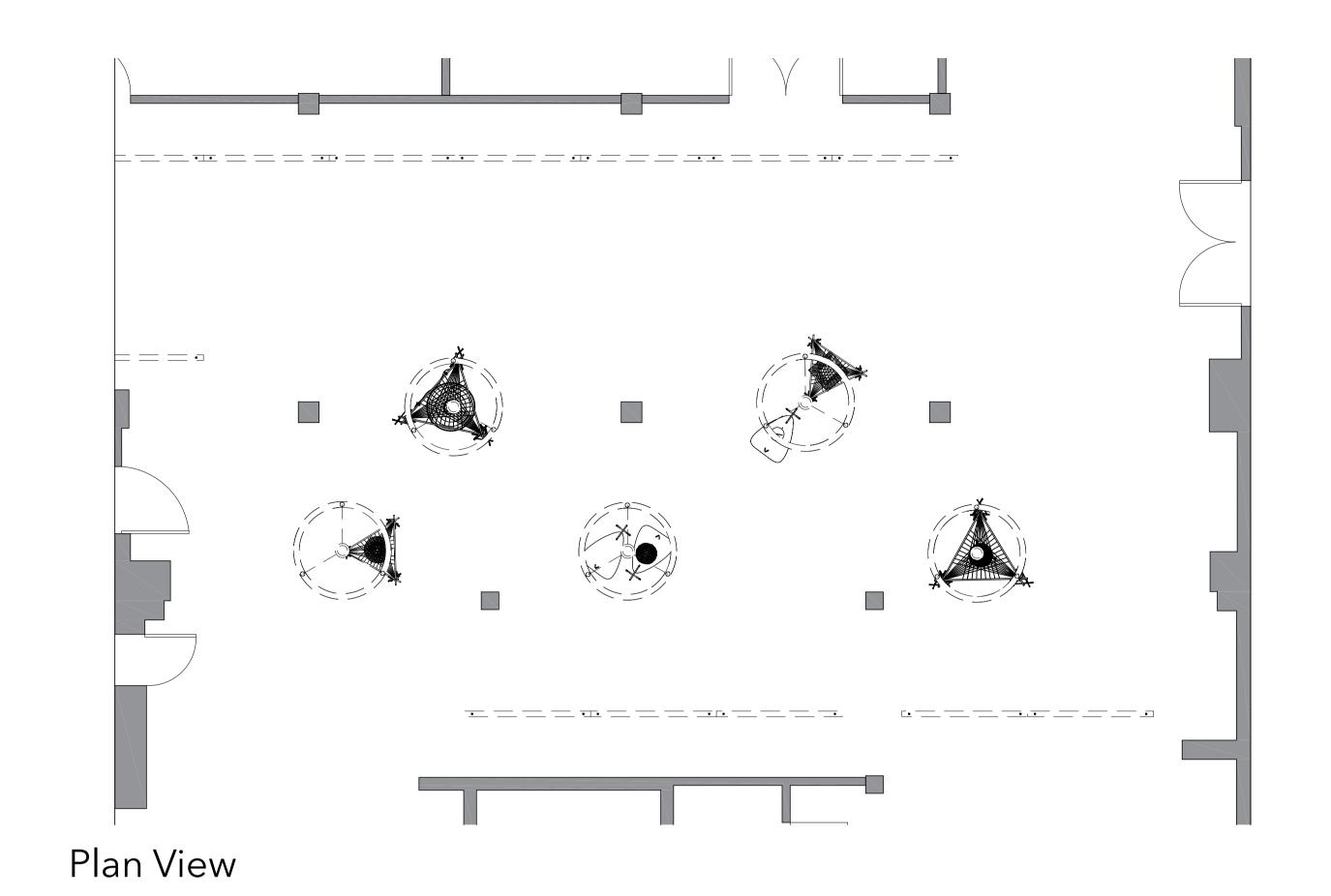
The pop-up will be packaged and transported in a sprinter van between locations with featured Akaris hanging, inventory and solar panels. There is room to scale up and scale down the number of display structures and Akaris that can be moved between locations.

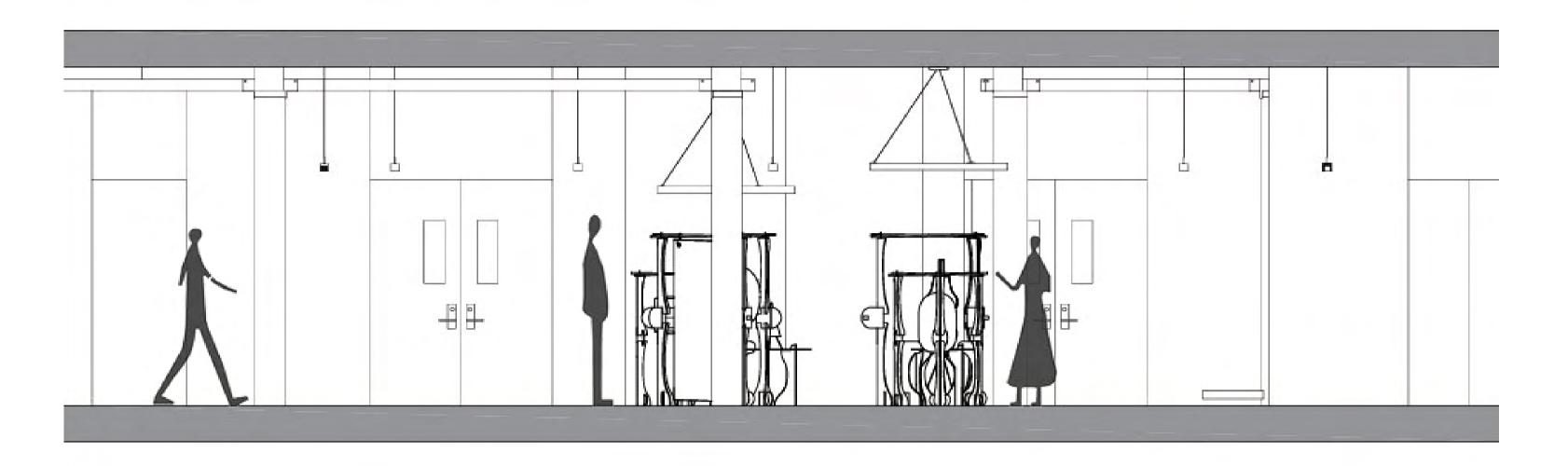


# AKARI POP UP IN TRANSIT

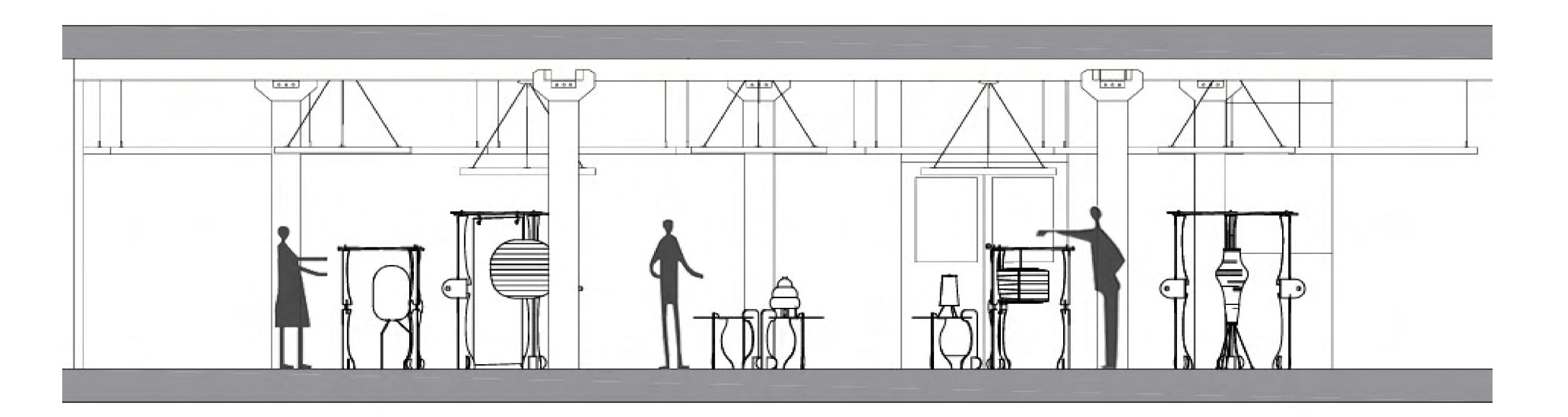


# OPTIONAL CONFIGURATION





North Elevation



East Elevation























### NOGUCHI + PRATT 2023

PRATT INSTITUTE
Interior Design MFA
Professor Tetsu Ohara
Spring 2023

#### Works CITED

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