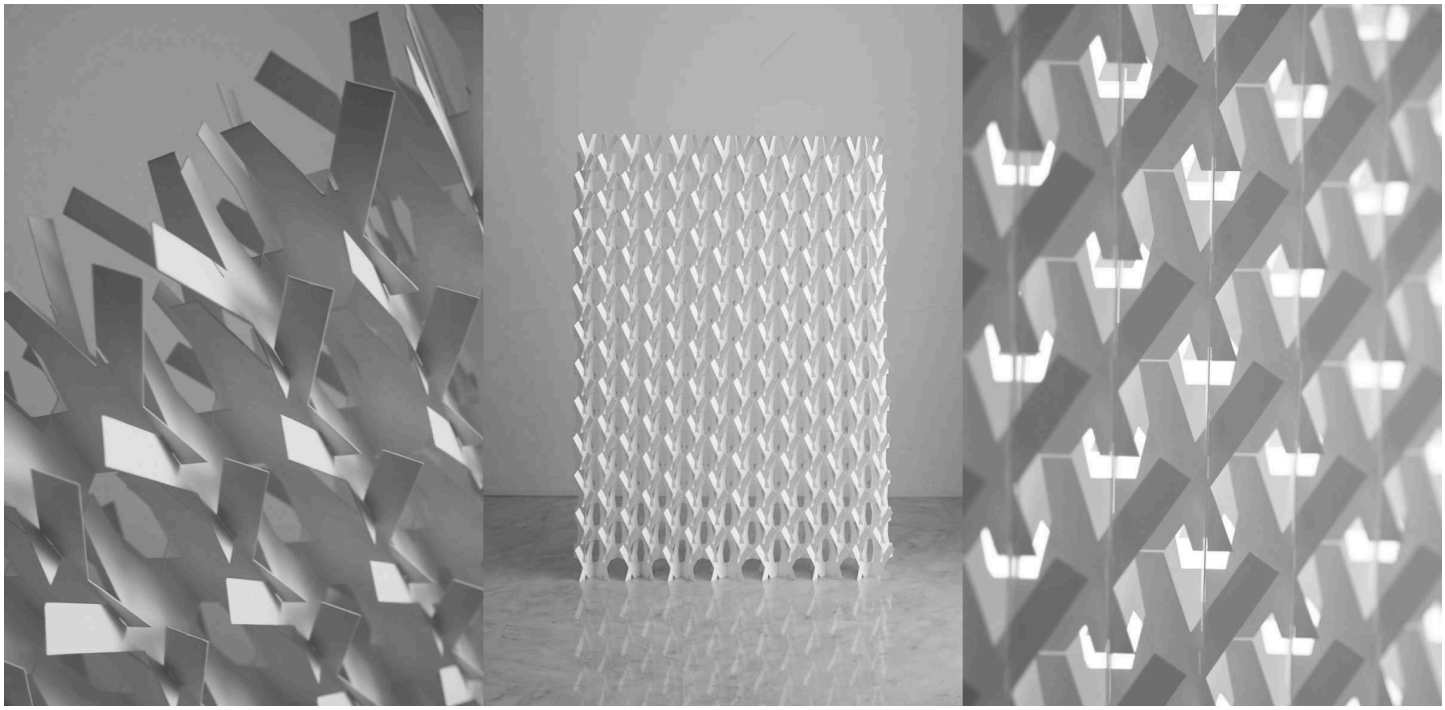
*Pratt Institute -- Interior Design*
*INT 481.06, 731.06 -- Parametrics*
*Fall 2018*

# Final Project --- Privacy Screens for Kids

Assignment Date: 10/4/2018
Due Date: 12/16/2018



*Kakine* paper screen by Yasutoshi Mifune

## Project Description

Design a family of [24 or more] freestanding privacy screens for Preschoolers that share the same design space - a single Grasshopper definition.

Preschoolers are young people - boys and girls between 2 and 5 years of age. During this time they are statistically shorter than 4' tall, and like other people, they enjoy private experiences in their day to day lives. Students will design and document a family of privacy screens that are capable of providing these private experiences for kids, and that satisfy the requirements below.

The final deliverables include one full scale screen (made from laser cut chipboard), three 1:4 scale screens (made from laser cut bristol board), a public Design Explorer design space, and a comprehensive digital presentation and blog post.

# Requirements

- The family of screens must share the same design space in grasshopper - all members must come from the same definition.

- Each individual in the family must be able to be fabricated using only 1/16” or thinner chipboard and the Laser Cutters in the RP lab

- The discrete laser cut components must be able to be physically assembled - using only notches, lap joints, and glue --- no mechanical fasteners allowed - to create an individual in the family; a working privacy screen

- Each individual must be freestanding and structurally sound. They should be able to withstand a light nudge from a passerby, and to perform reasonably well under racking and shaking tests by BH

- Each individual must be at least three feet tall, and five feet wide when viewed in elevation

- Each individual must be no more than 25% opaque when viewed from one direction, and no less than 75% opaque when viewed from another. In other words, the screens must be directional

- Assembly/joinery systems based on stacked blocks, egg crate-style grids, and voronoi-style cells are verboten

- All families will be based on a novel assembly/joinery system comprised of individual chipboard components

- Each component must be cut from a single piece of chipboard, may not contain more than [3] folds, and and must include a series of notches and/or lap zones for attaching to adjacent components and/or to itself

# Schedule

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|---|---|
| Schematic Design | 10/4/2018 - 11/1/2018 |
| **Project Mid Review** | **11/1/2018** |
| Design Development | 11/1/2018 - 12/13/2018 |
| **Final Review** | **12/13/2018** |