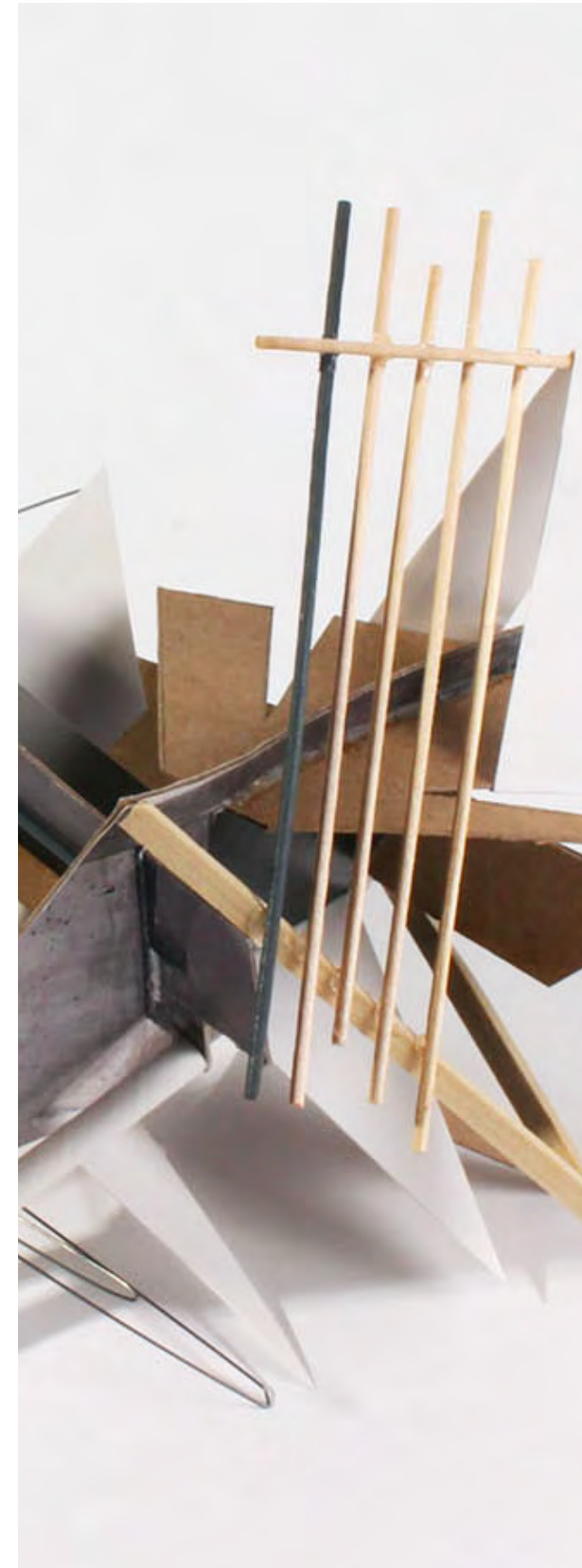


Jenna Elaine Cover

Portfolio



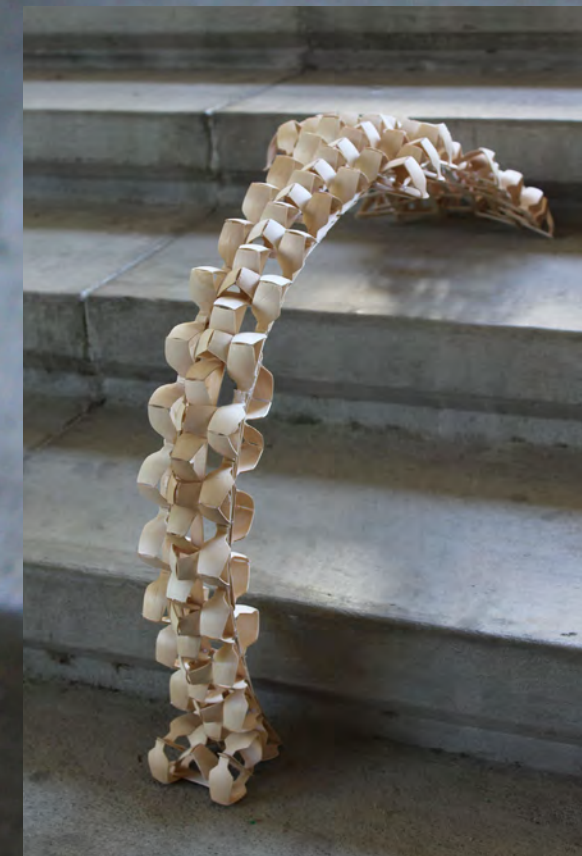
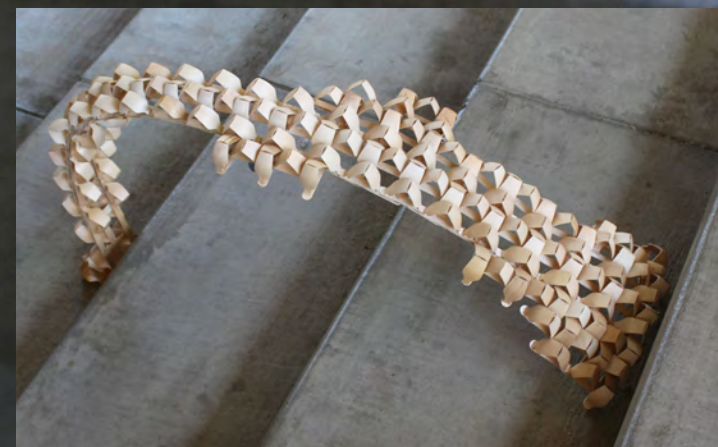
Long Span

Deconstruction to Reconstruction

I created this structural module with compostable spoons. I used repetition to create a span that bridges three steps and allows a basketball to roll underneath without disturbing or damaging it.

Size: 42"L x 12"W x 36"H

Media: Compostable spoons



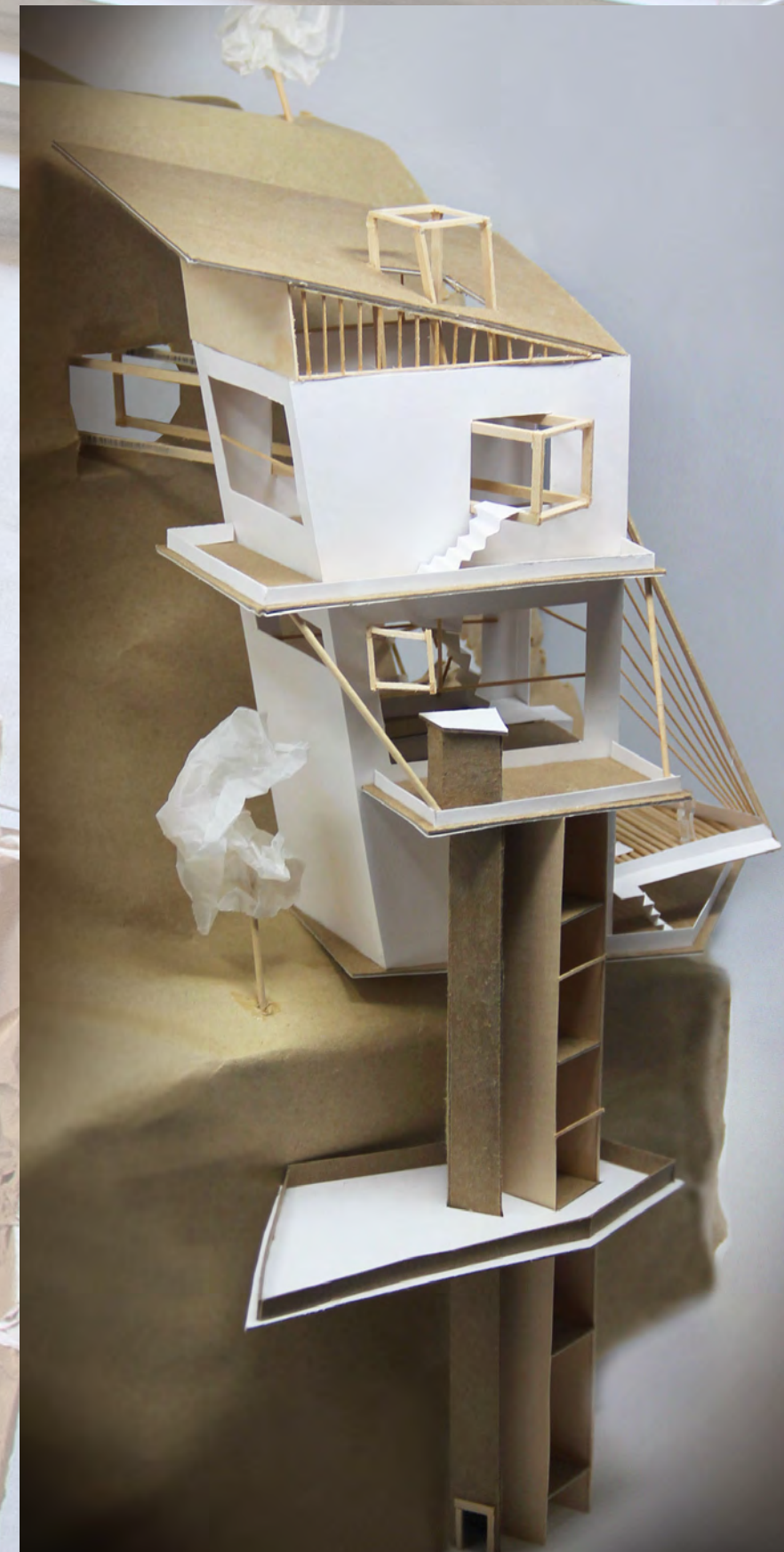
Shared Space

I designed this house to fit onto a hillside environment (shown in background). Each student had an assigned space on the hill.

What makes mine unique is I created the home to reflect sharing the space with a pet tiger. To support this scenario I designed a series of glass tunnels, giving the tiger the ability to roam freely and safely though the house amongst the owner.

Size: 12"W x 12"D x 12"H

Media: chipboard, balsa wood, cardboard and paper





Stabilized Structure

Diagonals + Dowels + Nodes

In this exercise I explored the relationship of structural stability to volumetric form, with a guideline of building five linking cubes with only three touching the ground.

Using a minimum number of diagonals, I calculated the number of total nodes to create a stable configuration.

Size: 11"W x 15"H

Media: cardboard and wooden dowels

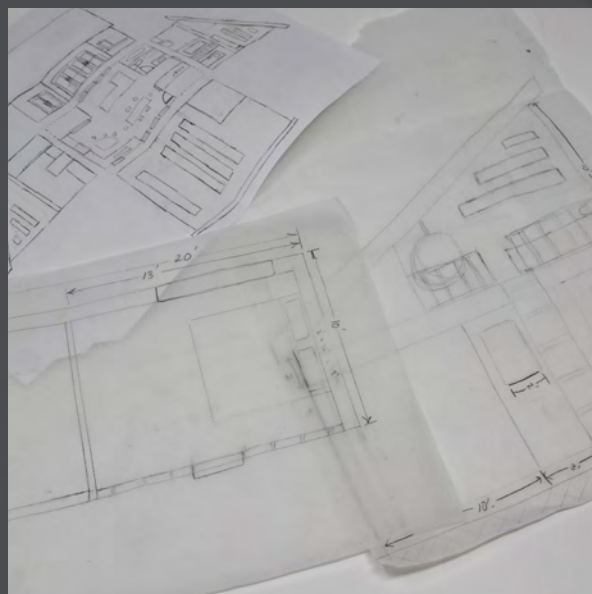
Loft

I took on this self engineered project to get my feet wet using balsa wood.

My plan was to create a space ideally for one. Though small in scale I wanted to design a space that was open and bright as well as functional.

Size: 18"W x 8"D x 15"H

Media: balsa wood



Popsicle Cottage

At 15 years old I had a sudden creative urge to build something. I asked my mom to take me to “Michaels” and I came home with 2 big boxes of Popsicle sticks.

This was a complete free build. Starting from laying the first floorboard all the way to adding the last shingle on the roof (which is my favorite part).

Though a bit rough around the edges, the yellow cottage beams with personality and makes me smile every time I see it.

Size: 10”W x 8”D x 15”H

Media: Popsicle sticks



Turtle City

Monochromatic style

As a group, our idea was to design and build a city that integrated the community.

We pushed our idea beyond a typical suburban city and developed a narrative of a circular river built for turtles that flowed through the city. Showing that a city can be more than just a constructed place, but has the possibility of enchantment for its inhabitants.

Size: 24"W x 36"L

Media: chipboard, balsa wood, cardboard, book paper, wooden dowels and blocks



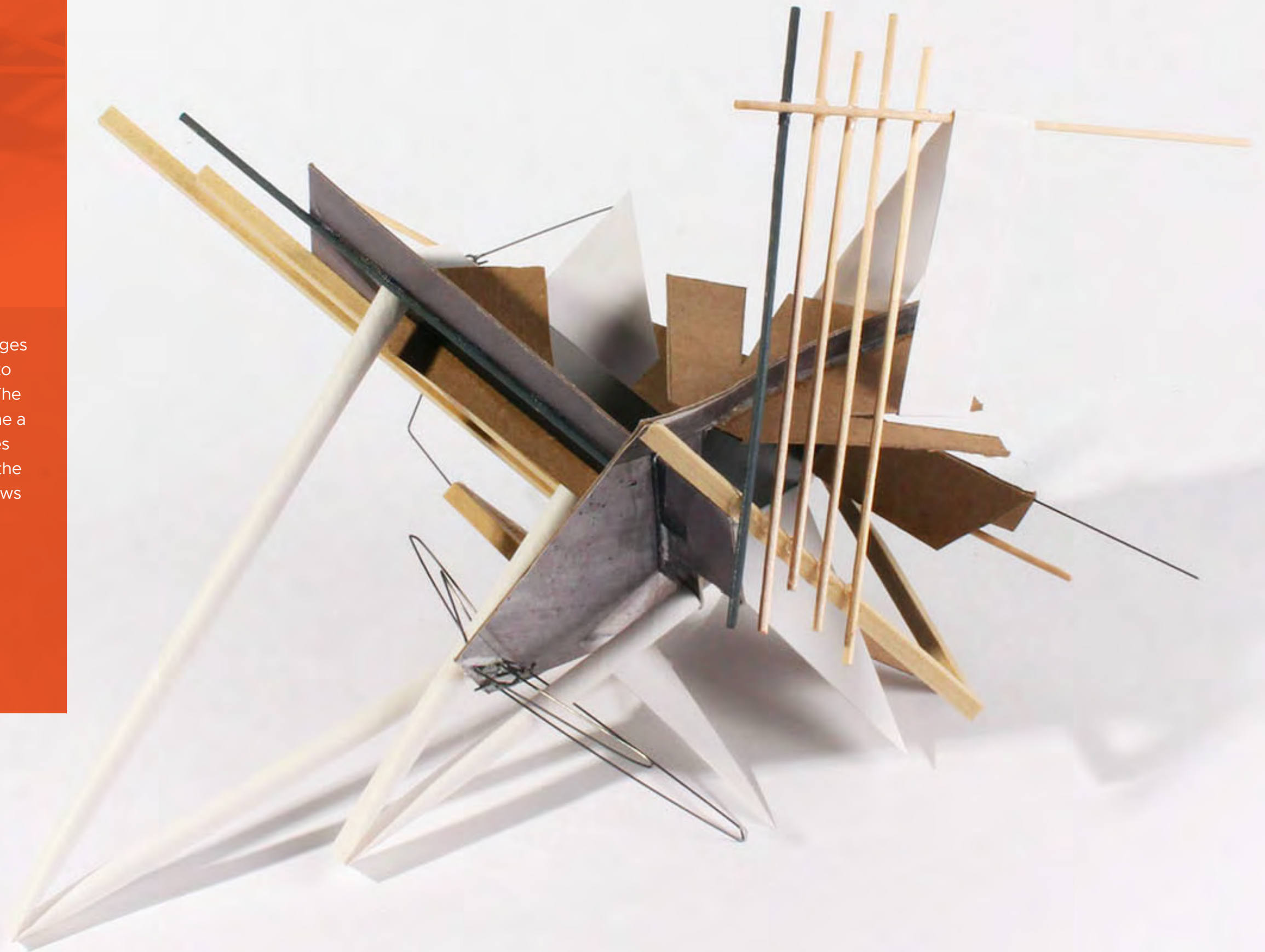


Planes

Through photography I captured images of form, texture and light that I used to mirror on to panels of my structure. The next step was to intersect and redefine a contextual relationship of these planes while introducing new materials into the design such as piano wire, paper straws and chip board. Always striving for a balance of geometry, connection and rhythm.

Size: 12"W x 12"D x 12"H

Media: chipboard, balsa wood, wooden dowels, paper, piano wire, and straws



Skyscraper

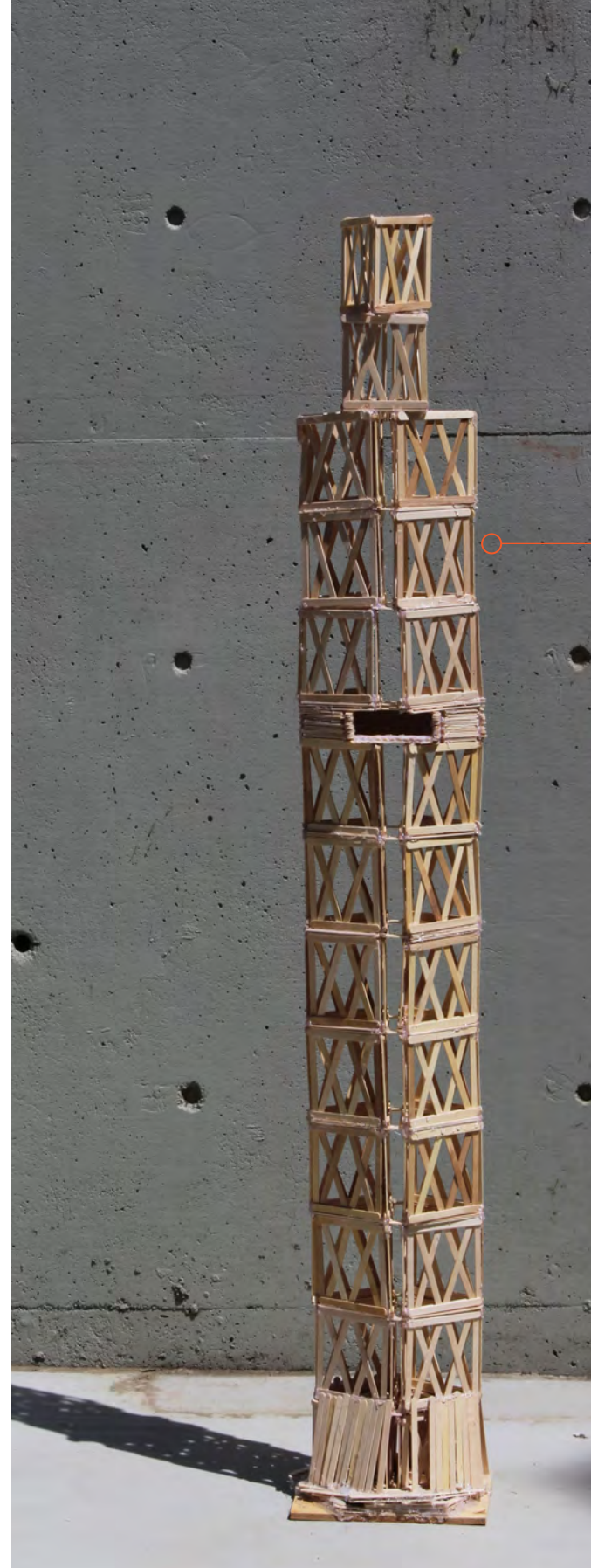
Shake table

The goal; using only Popsicle sticks and glue, and build the tallest tower that Can sustain an earthquake experience.

Size: 4"W x 4"D x 60"H

Media: Popsicle sticks

See the Video:





Watercolor

I developed new color, shading, and blending techniques with watercolor. A medium that I did not use a lot, but learned to love.

Size: 8.5"W x 11"H

Urban Journey

Pen and watercolor:
Two-sided folding sketch.

As a group of us sketch along the streets of downtown, we see the surface and textures, the shadows, and the ways space changes as one shops or simply crosses a street.

Seeing like an architect is different from just seeing—notice everything.

Size: 8.5"W x 36"L- folded: 4x4
Media: paper, watercolor and pen



In front of this building is a busy crosswalk and street. It was interesting to see the people walk by and go into shops and restaurants. Because there were so many cars driving by, it smelled like gasoline. A woman stopped by to ask us what we were doing because we were sitting on the curb. She was intrigued by our drawings.



We walked into California Pizza Kitchen and instantly smelled pizza roasting in the oven. We sat down next to a window that looked out at the shopping center and watched people walk and shop while we ate lunch and sketched.

We sat on the curb in front of a barber shop. Half way through sketching the owner comes outside and greets us and asks us about our sketches. It smells like gasoline, people are walking and shopping, and I could hear someone playing the harmonica.

Laser Cut Mechanism

Engineering Technology Class
Kerfing Technique

Size: 8"W x 2.5"H x 6"L

Media: wood

See the video:



My Home

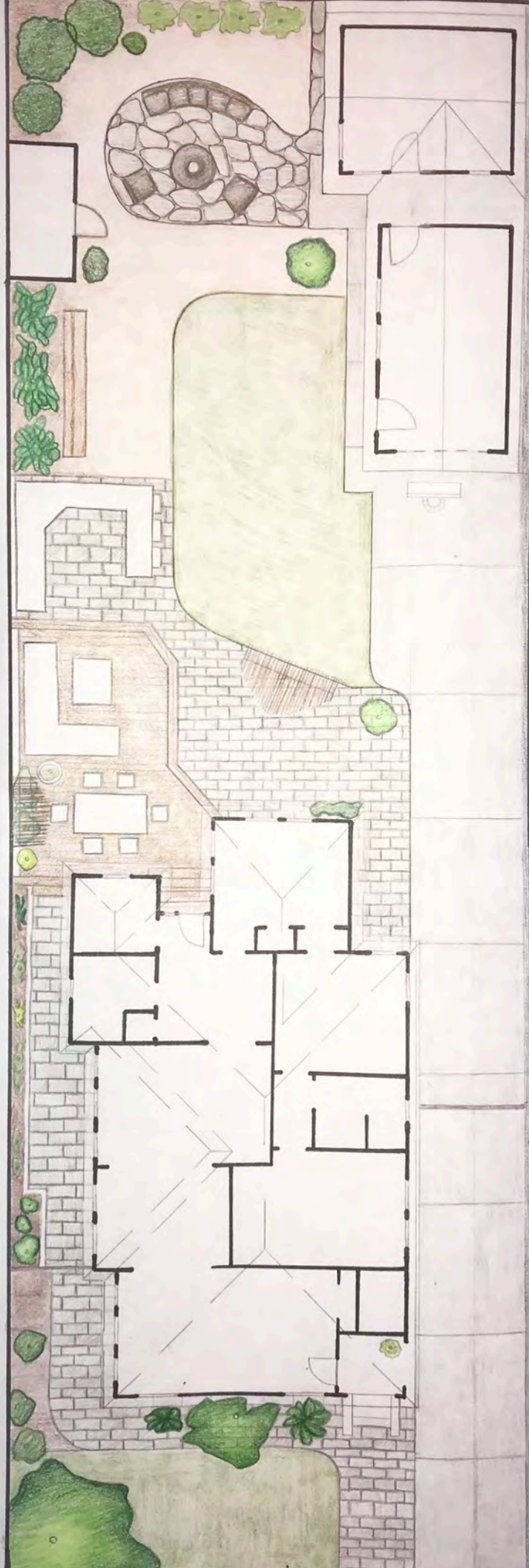
Direct Observation

1. Aerial View: Property and Floorplan
2. Exterior View: Backyard
3. Interior View: Kitchen
4. Exterior View: Front

Size: 8.5"W x 24"L

Medium: Colored pencil and pen on paper

1.



2.



3.



4.



Bus Stop Design

Used organic shapes for my Bus Stop design. I created arches and rounded edges to help give it a not only a fluid but a friendly look and feel that is open and accessible from multiple sides.

Left image shows thought process and design evolution as well as detail options for the space.

Right image shows final design, including multiple views and elevations, as well proposed materials.

Size: 9"W x 11"L
Medium: Colored pencil and pen on paper

