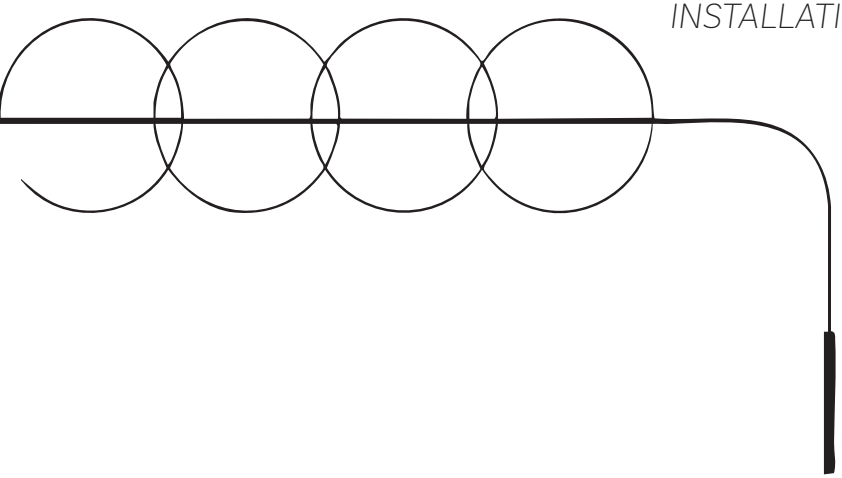
TUBE TOWN

GROUP INSTALLATION



CALVIN MLCEK

A project in collaboration with Columbus Metropolitan Library System

UG 2 Spring Studio Knowlton School of Architecture

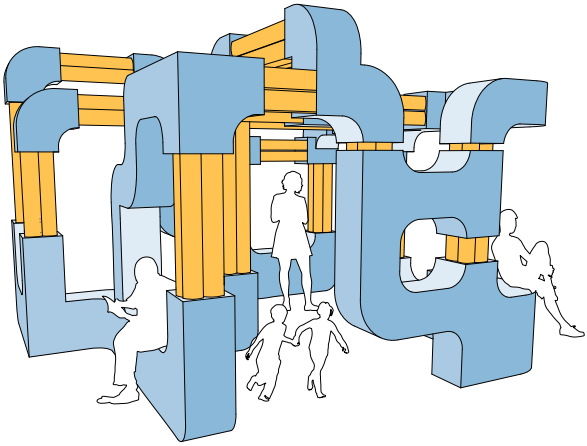
Credit to Pari Panchal & Adam Tenerowicz for general concept

Credit to DJ Clark, Anne Plunkett, Adam Tenerowicz, & Cameron Willis for construction

Credit to Calvin Mlcek, Pari Panchal, & Natalie Pistone for graphics

Under the guidance of Cara Berg

Thank you.



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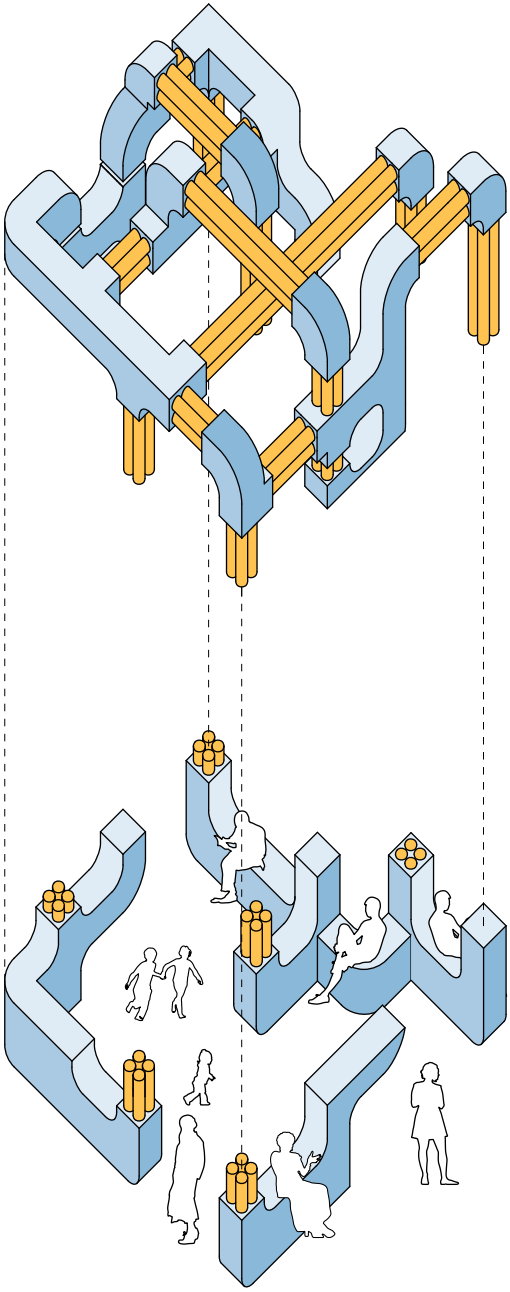
REAL LIFE INSPIRATION

The Tube Town pavillion was originally inspired by Berlin's pink pipes. Berlin brought these pipes above ground to show how water circulation takes place throughout the city. These pipes act almost as a piece of artwork for visitors to enjoy.

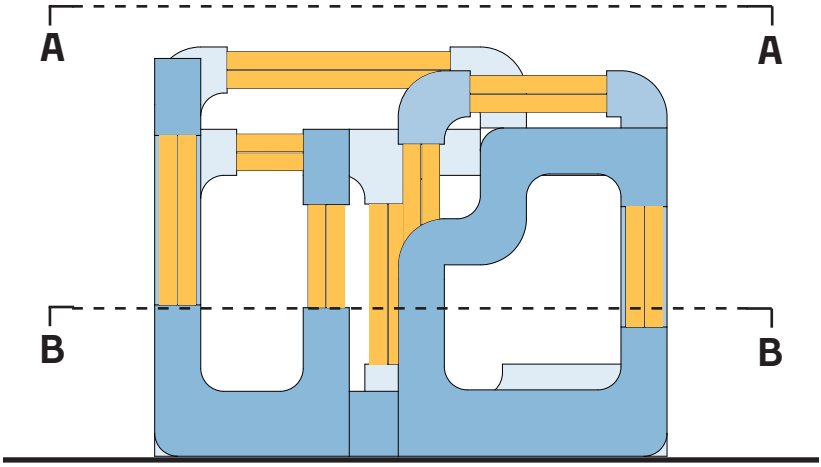
When designing the pavillion, the team took inspiration from the pink pipes and incorperated interactive features such as seating and book displays just for your satisfaction! Adding these features, the pavillion got transformed from a visual artpiece to an interactive piece of architecture.

The invisioned circulation of the Tube Town pavillion is a mix of seating, standing, and wandering throughout the space. No matter which way you use the space it's guaranteed to be a great time! Because there are many different ways to use the space, the space becomes a place that can be enjoyed by all types of people.

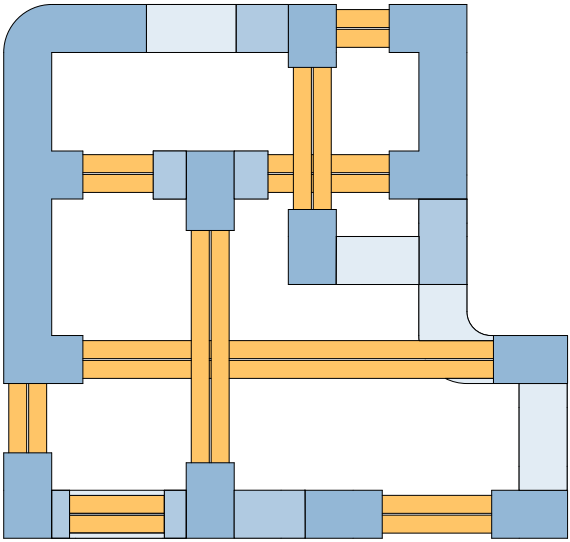


PLAN VIEWS

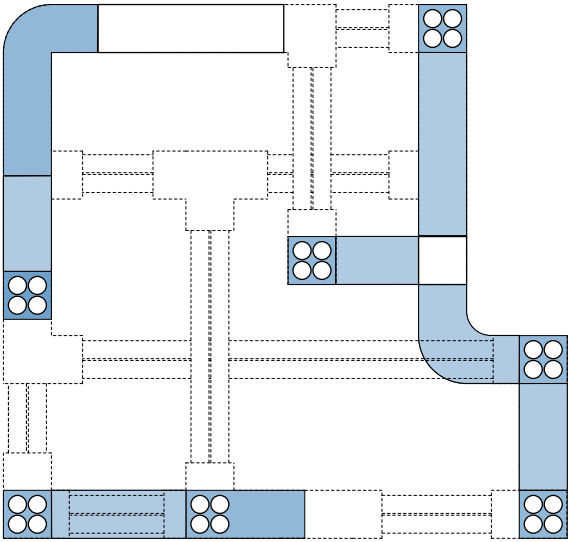
Top down view of a building or object that is cut to show floor layout or roof.



A graphic scale shows how big the drawing is at real scale.



Plan A

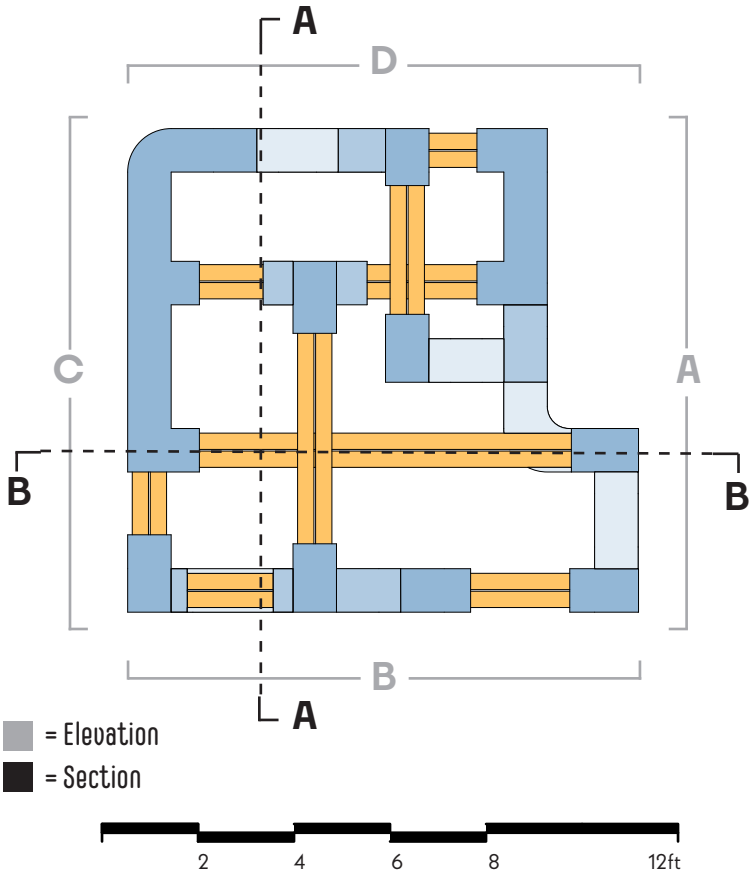


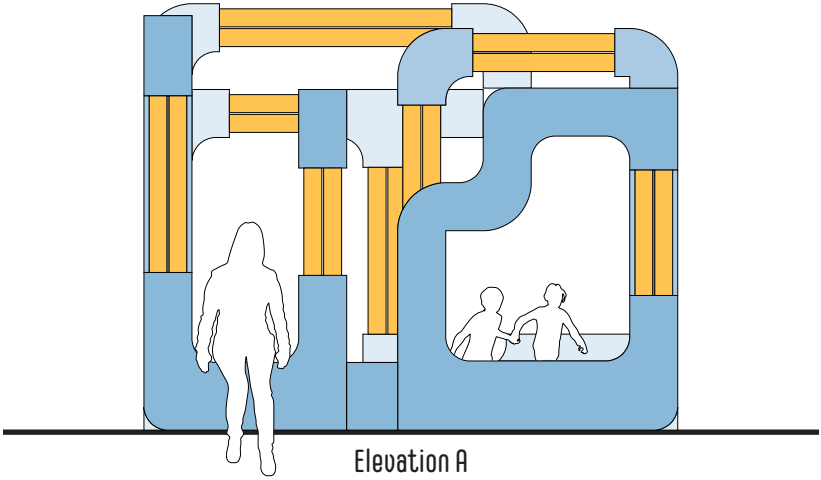
Plan B

ELEVATIONS & SECTIONS

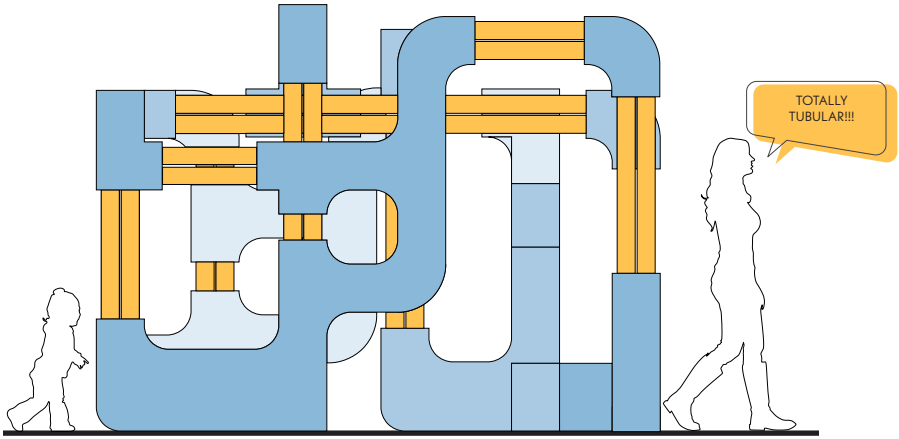
Elevation: A front, back, or side orthographic view that shows context of a building and the facade of the building.

Section: Like an elevation but shows the inside of a building rather than a facade by cutting it at a certain point.

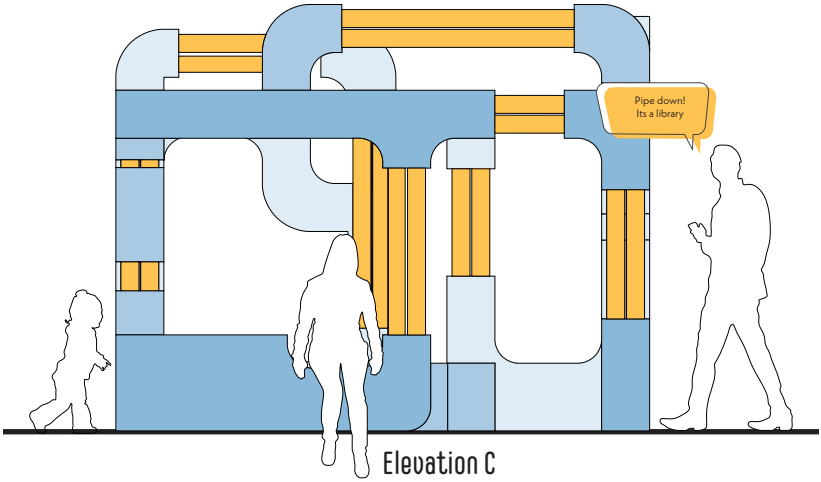




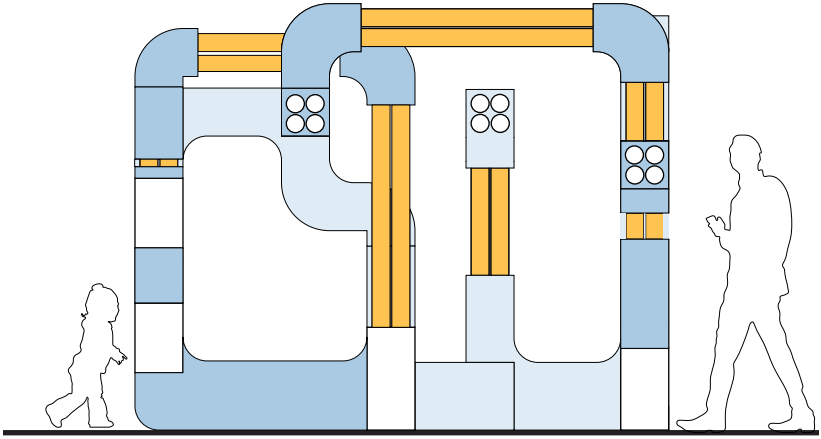
Elevation A



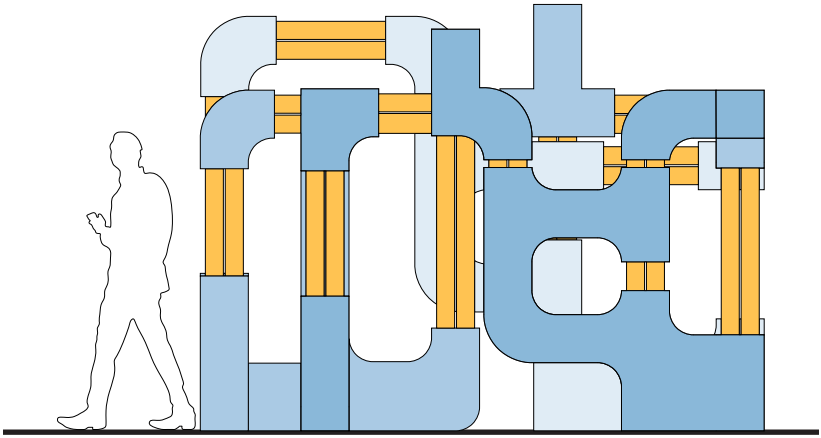
Elevation B



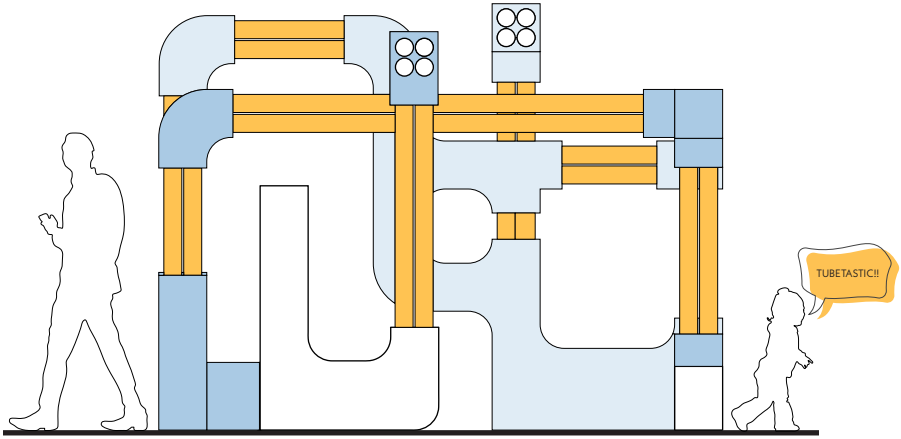
Elevation C



Section A

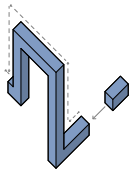


Elevation D

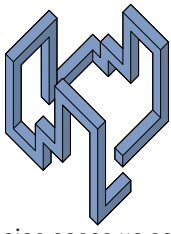


Section B

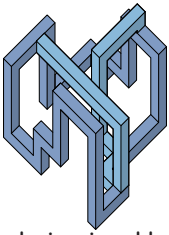
CONCEPT DIAGRAM



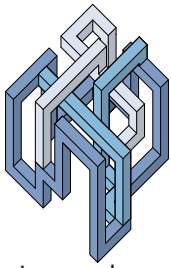
We extruded a pipe from a cube to create a path to guide how people can move through the space.



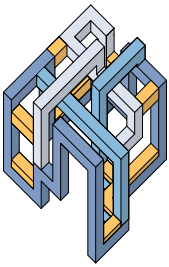
The first pipe opens up spaces for people to walk in and sut down, creating clear entrances and



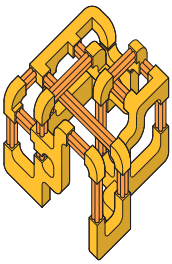
The second pipe is added, giving more places to sit and add overhead coverage.



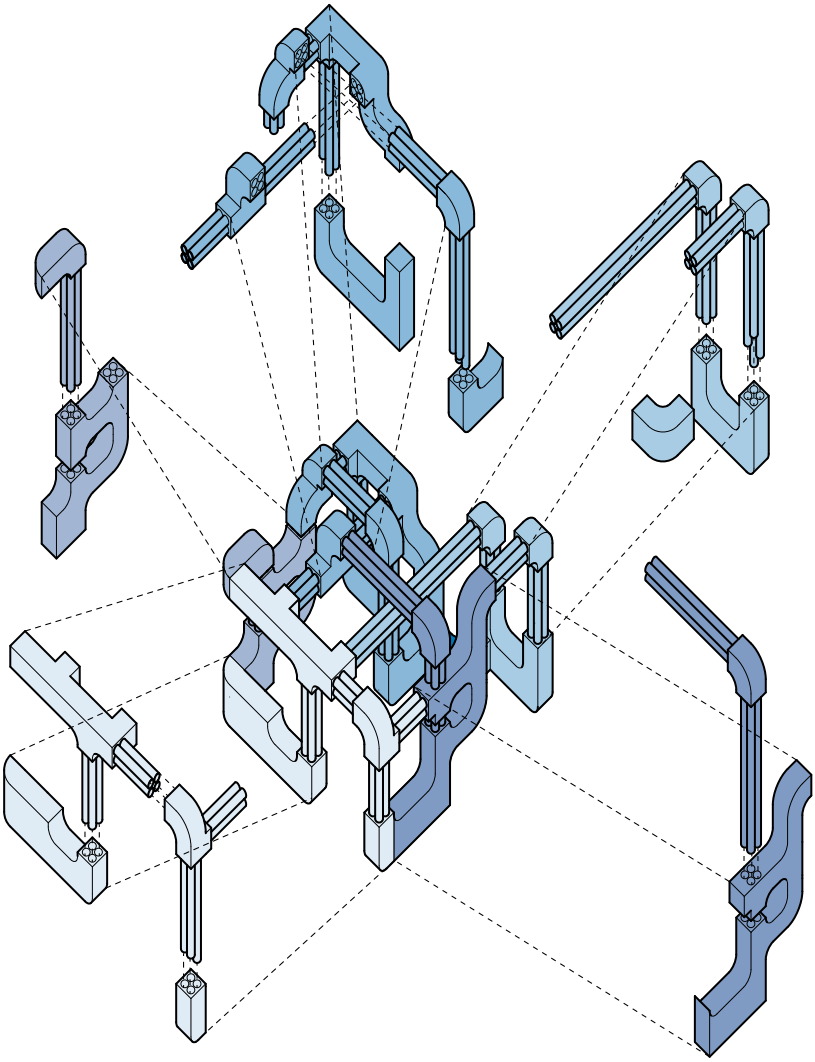
The last pipe overlaps with the other two, adding even more overhead coverage and creating display shelves.



All the pipe are connected to create a more unified form. The seating is also lifted to make them stand out more.



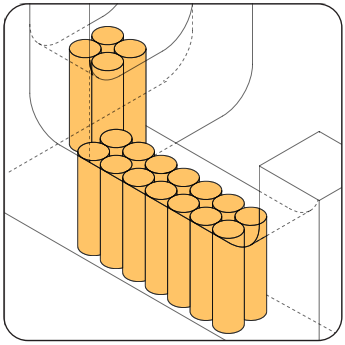
The final pavillion is created from the overlapping pipes. Tubes and curved corners are added making it a more interesting space.



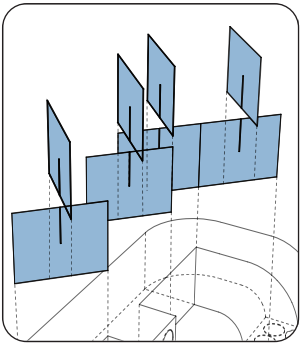
Assembly diagram shows the five pieces that the pavillion was split into two in order to transport it to the library. We put the pavillion back together using these five seperate pieces once we arrived at the library.

CONSTRUCTION & ASSEMBLY

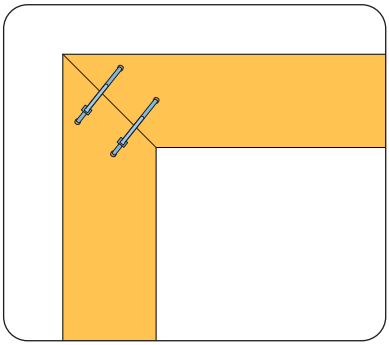
The pavillion took around two and a half weeks to fully construct. There were different measures that had to be taken to make the final product safe and sturdy! The seating was secured with tubes that would make it strong enough for a person to sit on, so come take a seat! Other parts of the pavillion used waffling to make it secure.



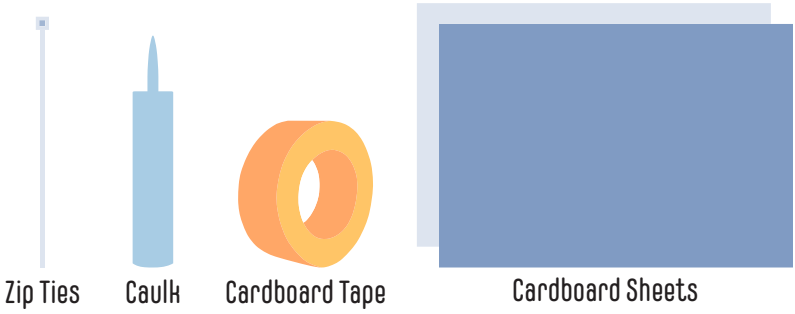
Seating

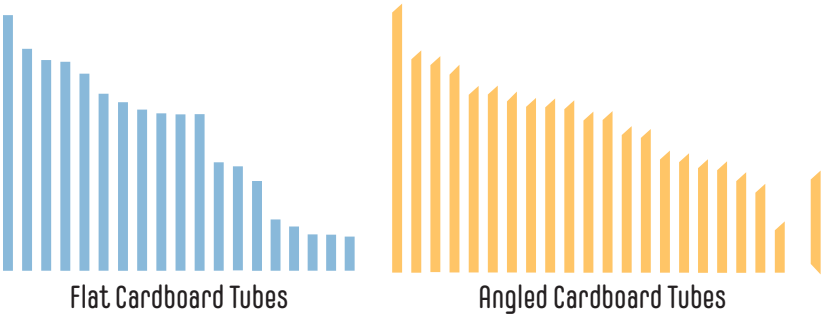


Waffling



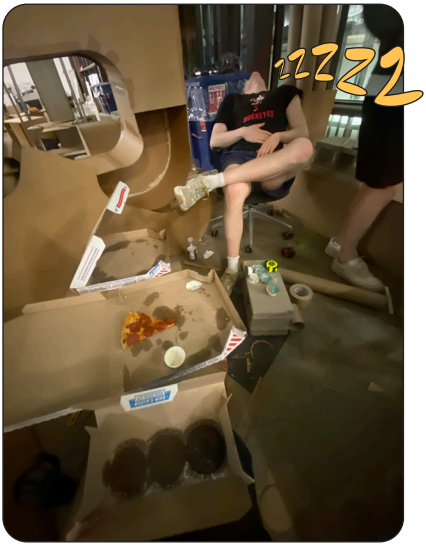
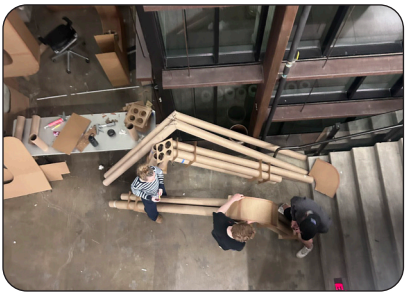
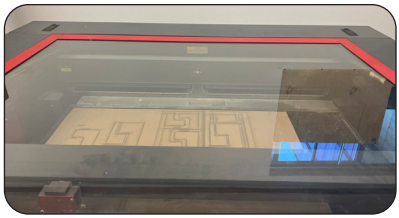
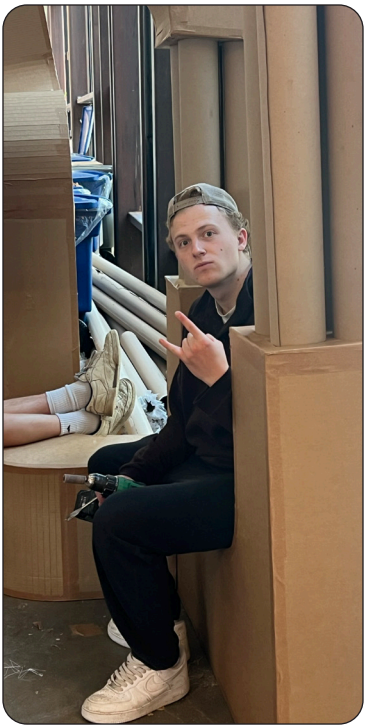
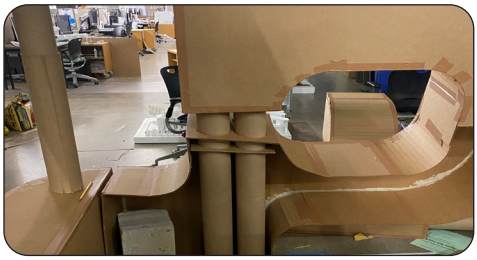
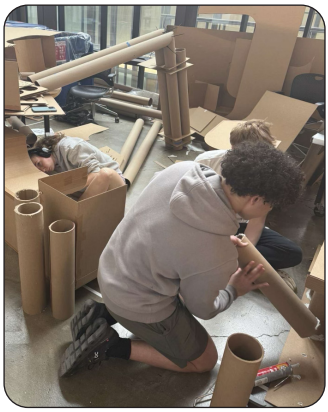
The sections where the tubes made a right angle were secured together with zip ties at a 45 degree angle.





This project was made from salvaged carpet tubes that were donated by Americas Floor Source. The cardboard pipes are carpet tubes that we cut to be the correct dimensions. We ordered excess supplies including 200 zip ties, seven tubes of caulk, and nine rolls of carboard tape. The project was composed of mainly tubing of which we used 465 ft.

ACTION SHOTS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