



Emma Frecon  
Sharrod Parker  
David Pintor  
Thomas Lantz  
Avery Matthews

All my life I wanted to make a difference. I was fascinated by math but not well enough at it to make it in engineering and had a love for the arts and made a point to spend most of my time participating in various art forms ranging from dance, theater, to sculpture. It wasn't until my junior year of highschool when my art teacher and engineering teacher told me to look into architecture as a possible path. As i did my research and saw the impact that buildings can have on communities I was sold and I applied to Temple University's Architecture Design program. My love for architecture and its ability to be turned into a service oriented career was further cemented by my decision to join Air Force Reserve Officer Training Course to train to be one of the few Architecture civil engineers for the air force. My goal was to become part of a specialized unit called REDHORSE they are a unit that is the first to go out and build bases for our troops or does humanitarian work in times of great destruction whether its caused by humans or natural disaster. I trained for 2 years alongside my studies at Temple University. Through my first two years working on both education and training I learned valuable leadership, time management, team work, and life skills who have shaped me into who i am today. While I am no longer on the path to join the Air Force I continue my mission to make a difference with architecture. I am currently serving as the secretary for Temple's AIAS chapter where I am currently working on a large community give back event we want to host this fall and am working to improve studio culture for students at Temple. My education at Temple has given me the opportunity to see the bigger picture and work with professors who want to see and help me reach my goals. As I further my education aiming to graduate with my undergrad in 2020 and my masters in architecture in 2021 from Temple University I am excited to see what me and my peers and those in other fields can do when we work together to make a change.

EKF

Contact Information  
Redacted for Privacy

@Freconemma

## Education

Temple University,  
Philadelphia PA  
BS in Architectue 2020

York Suburban Highschool  
York, PA  
Class of 2016

## Leadership

**Commander** - Arnold Air Society

**Cadet** - 2 years in Air Force ROTC

**Secretary** - for AIAS Temple  
University Chapter

## Awards

**Silver key and Honorable  
Mention** - Scholastic art and  
Writing Awards

**Leadership Award** - Air Warrior  
Courage Foundation

**Patriotism Award** - Knights of  
Columbus

**Air Force Operations Summer  
Program**

## Skills

Adobe Creative Suite

Rhino

Revit

AutoCAD

Microsoft Office Suite

Charcoal, Graphite

# Emma Frecon

## Work Experience

### Temple University, Philadelphia PA

#### Architecture Department

*September 2018-Present*

Model Maker

- Creating a laser cut model of the Benjamin Chew House to donate to the Cliveden of the National Trust organization

### Temple Surplus (Office of Sustainability)

*August 2018- Present*

Ware House Worker

- Recording, Moving, and re-selling Furniture
- Drafting Furniture Plans

### Temple WELL Tutoring

*September 2016- May 2018*

Student Tutor/Volunteer

- Tutor GED students in Mathe-matics, English, and Microsoft Excell classes

### Roundtop Mountain Resort: Lewisberry, PA

*May 2017-Present*

Camp Counselor and Rope Course Facilitator

- Leading and teaching campers to work in teams
- Analyzing team dynamics to optimize individual and team performance
- Cultivating and maintaining a positive attitude
- Promoting best practices in safety
- Preparing and checking rope course, climbing rigs, and zip lines
- First Aide, AED, CPR certified

### Lilla's Bridal Boutique: York, PA

*August 2015 -Present*

Sales Associate

- Assisting customers to select the perfect Garment
- Designing and assembling store displays

The very first experience I had with meaningful architecture was in my third year of high school. I had decided somewhat randomly to take the entry level drafting class offered by my school. With history in the offered engineering program, I was expecting yet another course focused on technical skills. This course turned out to be one where I was routinely excited to walk into the classroom. It prompted me to pursue design further, which meant taking an architectural drafting and design class. During this, I performed a case study on Frank Lloyd Wright, and realized how architecturally barren my town was. Very rarely did I find myself experiencing a building that inspired awe. During the time I was in this class, my instructor helped me enroll in a mentoring program with ACE Mentoring Program of America. This program gave me exposure to rising professionals as well as my peers that shared my interest in design. The more I learned and the more we designed with our mentors, the more I realized that there is nothing I would like to do more than pursue the crafting of quality architecture. This lead to me applying to the Tyler School of Art. The schools reputation for designs abstracted from concept appealed to me as much of my time in high school was spent studying engineering. The program at Tyler did not disappoint. Every year, I am lucky enough to learn from instructors who have dedicated their lives to architecture. With varying projects, approaches, and techniques, I have been able to broaden my understanding of what it means to create architecture. To accompany my schoolwork, I have been entering competitions to push myself past whatever comfort zone I might have possessed as a designer. I have also chosen to enroll in Tyler's accelerated graduate program where I am permitted to take graduate courses alongside my undergraduate degree. I am eagerly awaiting the design challenges that are waiting for me in my next two years of school. I am delighted at the prospect of being able to professionally practice architecture, and will be enjoying my first internship in the summer of 2019. I look forward to the future with optimism and excitement.



# Sharrod Parker

Email: Contact information redacted  
for Privacy

## Education □ Temple University, Philadelphia PA

Bachelors of Science in Architecture

GPA: 3.8

2016-2020

Deans List Fall 2018

## Hempfield High School, Lancaster PA

High School Diploma

2012-2016

## Experience □ Temple University, Tyler School of Art Jan 2019 - Present

### Fabrication Studio Consultant:

- Collaborate with students and faculty to facilitate the completion of their projects.
- Prepare files in Adobe Illustrator for use in laser cutters, vinyl cutters and embroidery.
- Adapt models for 3D printing on Form 2, Dimension and Maker-bot printers.

## Temple University, Architecture Building. Jan 2018 - Jun 2018

### Digital Fabrication Lab Assistant:

- Adjust vector files for lasercutting.
- Assist students and faculty with lasercutter equipment.
- Prepare .stl and .obj files for 3D printing.
- Calibrate lasercutters and 3D printers for quality projects.

## ACE Mentoring Group of America (Mentorship) Sept 2015 - Dec 2015

- Collaborated with a group of students and professionals in various industries.
- Developed a large scale project in AutoCAD and Revit throughout various teams.
- Organized a presentation shown in a banquet to ACE members.

## Affiliations □ Current Organizations:

AIAS Temple University Chapter - Student Member

NOMAS Temple University Chapter - Student Member

### Previous Organizations:

ACE Mentoring Group of America - Student Mentee

## Skills

### □ By Software:

Rhinoceros, Autocad, Revit, Photoshop, Illustrator, InDesign, Vray, Lumion

### Technical:

Operate shop equipment, laser cutters, 3d printers

Ever since my father first showed the 9 year-old me the floor plans to our new house, I have strived to leave my mark on this earth the same way he did. As an upcoming senior in Temple University's Architecture Design program, I have slowly but surely been working towards my young goal. Prior to my time at Temple, I attended Northampton Community College for two years under the same major. Aside from the fast-paced learning style, one of my most memorable experiences from back then was being given the opportunity to design and build a gazebo for Northampton's campus along with my classmates back in the fall semester of 2016. The problem-solving and hand crafting techniques that we applied served as an invaluable learning source for all of us, not to mention the fact that the gazebo remains in use to this day. Currently, my educational focus has been on trying to better master the structural and engineering elements within the architectural realm. I have also recently been working with the implementation of sustainable factors throughout my designs, in hopes that they could assist me in learning how to better tackle the many environmental challenges that our earth presently faces. Moving forward, I will be persistently working to secure a designer's position within an architectural firm to gain a more hands-on learning experience on how the industry functions and how I can better myself in a professional setting. From then on, I plan to become a more independent architect and start to leave my mark in a sustainable manner inside and outside of my future projects.



# DAVID A. PINTOR

**Phone:** Contact information redacted for

**Email:** privacy

**LinkedIn:**

**Address:**

## Skills

### Proficient in:

Rhino	AutoCAD
Photoshop	Word
Illustrator	Powerpoint
InDesign	Excel
Drafting	Model-making

### Comfortable with:

Revit	V-Ray
Sketchup	Lumion
ArchiCAD	

## Extracurricular

Member of **AIAS**

### Gazebo built for/on Northampton Community College Campus

*Fall 2016*

Group design project leading to group planning and construction of gazebo space for students on campus (*still used today*)

### Certificate for Participation in Service Learning Activities

*May 2017*

Proposed a scaled model of new neighborhood plan as a group to committee representing Nazareth, PA

## Education

**Temple University || Philadelphia, PA**

*Intended Graduation: May 2020*

### Bachelor of Science in Architecture

GPA: 3.62

Focus: Finish Bachelor's degree with direction towards sustainability, then complete the 4+1 Graduate program

**Northampton Community College || Bethlehem, PA**

*Received: May 2017*

### Associates of Applied Science in Architecture

GPA: 3.25

## Work Experience

**The Goat's Beard || Manayunk, PA**

*June 2018 – October 2018*

### Server & Utility

- Engaged with customers and pushed high-ticket items at my fellow servers' tables in order to raise income for both the business and said coworkers
- Volunteered to take weekly inventory and restock all alcoholic products to further my knowledge of the beverage industry

**Copperhead Grille || Bethlehem, PA**

*May 2015 – August 2017*

### Server, Host & Utility

- Established strong connections with guests, both old and new, to encourage comfort and the "treat guests like family" atmosphere that the restaurant pushed for
- Advocated high-ticket featured dishes to guests to assist in the boost of sales for the business

**Gr8Soundz Record Store || Hellertown, PA**

*March 2014 – July 2014*

### Appraiser & Cashier

- Created and maintained close relationships between the startup business and newfound customers, leading to company growth primarily by word-of-mouth
- Calculated the worth of thousands of records by means of close inspection and extensive online research

Design was always a key factor in my upbringing. When I was younger I love playing with Legos. In the beginning, I would always follow the instructions making sure everything was placed in the correct spot. Over time I realized that I didn't need to follow the instructions to create something great. The only instructions you need is your imagination and from there you can create the world. I knew I wanted to go into architecture when it came time to go to college. I think deep down it was something that I always wanted to be but it took some time for me to realize what I wanted to do. I studied many different forms of design in high school. Everything from web design to industrial design, I tried to get involved. With a combination of strong math skills and a desire to create art, that is why I chose to do architecture. Since then I have come into my own ideas and opinions on what makes good architecture.

Going to school in Philadelphia has exposed me to many different people from all over and these friendships have helped me grow as a designer. Temple might provide me with the classes to learn and study architecture but the real teacher is the world around me and the classmates that inspire me to look at projects in new ways. Over the past year I have become more involved in the architecture community in and around Philadelphia. I have participated in architectural competitions to give myself more opportunities to design and express my ideas to a larger scale. Recently I have committed myself to Temple's accelerated graduate program where I am permitted to take graduate courses alongside my undergraduate degree. I am looking forward to my last few semesters of school and the new challenges that will be brought along with them.

# THOMAS LANTZ

## CONTACT INFORMATION

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## PROFILE SUMMARY

Third-year architecture student at Temple University currently pursuing a 4+1 track working towards a bachelors and masters degree in architecture. I'm passionate about sustainability and strive to combine both old and new design techniques.

## SKILLS

- Adobe Creative Cloud-  
Photoshop, Illustrator, InDesign,  
Lightroom, Muse, Premier,  
Acrobat, Audition
- Microsoft Office
- Rhino3D
- V-Ray
- AutoCAD

## EDUCATION

### Temple University, Tyler School of Art Philadelphia, PA

Bachelor of Science, Architecture

- Expected Graduation: May 2020
- GPA: 3.8

### Great Valley High School Malvern, PA

- Graduation: June 2016
- GPA: 3.5
- Excellence in Photography Award, 2016

## WORK HISTORY

### Crew Team Lead | Philadelphia, PA

Falling Cat Productions  
July 2017 - Present

- Served as a team leader on movie set for 2-3 assistants depending on the scene being filmed
- Designed props to be made into production utilizing Illustrator and Photoshop
- Assisted in the organization of movie sets
- Captured "behind the scene" shots using a DSLR

### Front End/Floor Associate | Malvern, PA

Kimberton Whole Foods  
November 2014 - Present

- Provided customer service at local grocery store
- Recognized for efficiency by store managers
- Communicated with both front end and store managers to ensure assigned tasks were performed
- Assisted in taking inventory of products monthly

## ACTIVITIES AND LEADERSHIP

- Member, AIAS, Fall 2016 - Present
- Member, Aperture Agency, Fall 2017 - Present
- Podcast Producer for Two Top Podcast, 2017 - Present
- Founding Father, Pi Kappa Phi, Spring 2018 - Present
- Peer Mentor, Spring 2018 - Present

I have always been interested in design - I just didn't know that for most of my life. As long as I can remember, I have always seen things in the not as objects, but as compositions of smaller things. When I was little I usually got bored of playing with my toys because what I really wanted to do was take screwdriver to them and see how they were put together. That is the mindset that I carried with me as I grew older and entered my life as a student. I was always fascinated by the world in that way but it wasn't until the very end of high school that I actually considered pursuing my higher education in architecture. Previously, I focused primarily on visual arts and music and even very seriously considered attending college for musical composition but ultimately changed my mind because I wanted to have a more tangible effect on the world. Fast forward to today and I have confidently settled into the field of architecture. My fascination with design has grown into a genuine passion that I fully plan to use to make the world around me a better and more beautiful place. The road to experience and success in architecture is a very long one - probably more so than most other fields - but I have committed to it and look forward every day to progressing in my goals.

More recently, though, I have decided for myself that architecture is not very useful in isolation and to practice that way is to ignore the humanity of design, something that I believe has long been a problem in business of architecture. With that in mind, I have decided to branch out as much as humanly possible so that I can practice my design work with a much better-informed, interdisciplinary approach. I believe that by taking lessons from other fields is invaluable to creating good design that positively impacts not just a privileged few, but for all people. Going forward, I intend to obtain a master's degree in architecture so that I can legally practice here in the United States, then perhaps pursue another graduate degree in another country so that I can learn from both another field and another style of education.

# Avery Mathews

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## Education

Temple University, Tyler School of Art

3.76 Architecture GPA

Expected Graduation Date: May 2020

Fall 2016, Spring 2018, and Fall 2018 Dean's List

## Work Experience

Tyler School of Art Admissions Office Student Ambassador

Spring 2018 - Present

- Lead tours of architecture building for prospective students and their families
- Catalog and organize admissions data
- Graphic Design for event signage
- Administrative clerical duties

Information Technology Center Technical Assistant

Spring 2018 - Present

- Assist students with technical support and software assistance
- Manage architecture department resources
- Engage students facing academic challenges, creating solutions
- Provide a positive atmosphere for peers to work in

## Intern Experience

Boulder Associates Architects

Fall 2015

- Contributed to building documentation using CAD software
- Learned various CAD software and inter-disciplinary architecture office work flow

## Relevant Coursework

ARCH 3050: Building Information Modeling: Special Topics in Technology

- Learning Autodesk Revit relating to modelling, visualization, graphic representation, and collaborative work

ARCH 3354: Sustainability & Architecture

- Learning principles and practices behind sustainable building design
- Learning to identify scientific principles behind both good and bad design

## Skills & Abilities

- Microsoft Office Suite
- Adobe Creative Suite
- 2D & 3D Design
- AutoCAD, Autodesk Revit, Rhinoceros 5 & 6
- Photography
- Physical Model Building
- Basic Spanish

## Awards

Spring 2018 Second Year Portfolio Award

- Received for submitting a faculty committee-determined top three portfolio
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The goal of the Recycle Generate Build (RGB) containers is to get communities engaged in recycling by creating a beautiful, modular installation made by the people for the people. The idea was conceived when we decided we wanted to not only create a project that gave a piece of art to the communities but also brought attention to the necessity of recycling. The basis of this project is modules. Simple pieces that can be rearranged to create a work of art or fit a space. For us that translated into the use of shipping containers. Wanting to be sustainable, we jumped onto the trend of shipping containers due to their ease of transport and flexibility. Using 3 large rectangles, each twenty feet long by 8 feet wide, these containers can be arranged to fit most empty lots. Having a decided place to house our project and an easy mode of transportation, the next step was deciding what we wanted to give back to communities. In awe of public sculptures like Liquid Shard in Pershing Square in LA and admiring tactical urbanism methods like “yarn bombing” or using recycled trash bags to weave beautiful designs into chain link fences, we decided that allowing the community to be part of creating their own installment would be best. However, we did not want our efforts to stop there; already on the track to a sustainable idea using repurposed shipping containers we decided that the art should be made of recycled materials as well. As a team we came up with the idea of having people come and make a sculpture from modules that were made from their recyclables. In a time where we need to be taking steps towards a more sustainable lifestyle, projects that encourage recycling, reuse, and creativity are more important than ever. The RGB containers serve as a way to not only bring communities together but also as a way to educate communities about what they can do to lead more sustainable lives.

The naming of our installation reflects the intent behind the design. Recycle, Generate and Build are each associated with a step in the process and the colors of each container represent the name of the process. The names of each are intended to be completed as a community. The “recycling” will be aimed at a community-wide scale, reducing waste and litter throughout the visited communities. The “generation” will look at informing communities of the techniques available to reclaim recyclable materials. The “building” will aim to inspire collaborative creation within the community, and leave a sculpture that is a result of collective efforts of an entire community.

The programming of the installation will be divided among each unit. The containers will contribute various functions to the installation. The division of programming will reflect the intention of our proposal. Through this, we seek to provide cities with sustainable strategies through creative means.



The first of the three spaces is the red container. The focus of the red container is recycling. This space will be equipped with the equipment to break down gathered plastic into fine shreds. To allow this process to run effectively, plastic will be sorted prior to shredding. This will provide consistent properties which are important to the heating and molding process. Upon entering the red container, occupants will be greeted by an attendant who will give a brief overview of the process. Occupants will be encouraged to join in the making process, but if they choose not to they can contribute to the installation in other ways such as donating recyclable materials or helping to shape the final product of the installation. Allowing a variable range of involvement will increase the appeal to a larger audience. If occupants choose to be involved in the making of recycled materials for the sculpture, the attendant in this space will help them sort their plastics, then walk them through the process of shredding the material. These machines are safe, but if occupants are not comfortable then the attendant can assist them. Once the occupants have shredded enough plastic to be used for their contribution to the sculpture, they will be directed to the next container to begin their creation.

The second of the three containers will look at transforming the material into sculptural components. The second container will be green and will focus on the generation of the modules. The equipment needed for this space will be small ovens, molds, and a work space. The green container will also be equipped with ventilation to remove any fumes created throughout the melting process. Since the plastic was sorted in the previous shipping container, the heating time and temperatures will be easily designated by plastic type.

Occupants will enter the green container with their shredded material from the previous container. As they enter, an attendant will explain the very simple heating and molding process that is being conducted in the green container. Shredded plastic will first be introduced to heat. This will be done in small increments to slowly turn the plastic into a workable, clay-like state. To do this, the plastic will be heated at 350°F for a few minutes at a time; enough to let the plastics melt together. As they melt the plastic in incremental sizes, the guests will have the opportunity to work with the material as if it were clay or dough. For safety measures, rubber work gloves will be supplied. Occupants will knead the plastic as they add more material. The kneading will create a marbled appearance as the different colors of plastics blend together.

Once enough material has been kneaded together, the material will be inserted into a mold. The mold will be easily adjustable depending on the resulting sculpture. The material will be inserted in the mold. Pressure will be applied, and the mould will

be inserted in the mold. Pressure will be applied, and the mould will be inserted into the oven. The temperature will remain the same at 350°F. Duration of heating will vary, as plastic bags will only require 15 minutes of heating while stronger plastics like those present in milk cartons or bottles will require 20 minutes. Once the material has been sufficiently heated, the mold will be allowed to cool before the material is removed.

One concern for this is the potential fumes that can be released when plastic is subjected to high temperatures. The relatively low temperature and lack of combustion of the ovens will significantly reduce the production of any toxins. This makes the process and materials much safer to work with. Despite the efforts being taken to prevent harmful fumes, the space will be equipped with ventilation to provide the cleanest possible atmosphere.

As the occupants complete their reclaimed plastic pieces, they will have the chance to apply finishes to them in the final container. The final container will be blue, and focus on the building of the sculpture. The finishes available will allow them to sand their creation into a polished state and explore creative options for the effect they will have on the sculpture. This final room will have work spaces with the materials available, and as they finish their small works of art, an attendant will be available to help them in constructing the final sculpture.

The staffing of our installation will be an important factor to consider. With potentially dangerous machines in use, it will be important to have at least one full time employee that is familiar with the entire process. This employee will be responsible for training, and managing the spaces during the installation. It is important to us that a safe environment is provided so that people visiting the installation will be able to focus on the creative exploration happening within their community. Additionally, there are already workshops utilizing the machines present in our design around the country. While our intent is to target areas of the country lacking in these capabilities, we will be able to reach out to these workshops for volunteers with prior experience in this process.

Keeping in mind our goal to be as renewable as possible, the major element of our project is the three shipping containers that we have used in our design. These containers are how most of our products move around the world. Statistics show that 95% of all cargo is stored in shipping containers. It is also shown that up to 10,000 shipping containers are lost every year from falling off ships. These steel boxes are the blood vessels of the shipping industry and after some time they are left abandoned. By reusing these old containers we are tackling the concept of DIY urbanism. We have focused our ideas around reclaiming the junk to be used in a second life. Another major

aspect of this project are the machines that are placed inside these containers. They are inspired by Precious Plastics' designs. These machines are made out of recycled parts that break down plastic into smaller parts to be reused in new applications. Continuing with the DIY Urbanism, the furniture within the containers are made out of reclaimed wood.

Due to the simplicity of the structure, the build time is very minimal. The three shipping containers can be refurbished beforehand. The goal is to use a service like Container Alliance who will repaint, repair, and bring our containers up to shipping and safety standards. This involves removing rust and re-sealing the containers to deal with environmental factors. The only major alterations after the refurbishing process is modifying the side walls so that they can be lifted to create an overhang. All the machines can be made with everyday parts. The goal of this project is to be easily moved around the country; so the simpler it is, the better. The containers can be moved on the back of a flatbed truck and it can be moved onto the site using forklifts. This can be done within the course of one day. The goal is to get the site as fast as possible so that the maker space can start producing art as soon as possible.

While being environmentally-friendly, community-friendly, and transport-friendly, for a project of its size and flexibility it is also very economical and can be made even less expensive with the omittance of some of the design elements we chose to include. The majority of the cost was in the initial pricing of the shipping containers and additional modifications. With a reused shipping container coming in at an average of about \$1800, the cost for the three containers unmodified comes in at \$5400. In order to open up the containers we added a glass wall so people walking by the installment can see what is taking place and hopefully stop by to be part of the fun. We decided to go with an automotive-grade safety glass. We wanted to ensure that the containers, even with a wall of windows, would be able to survive transportation. This addition added about \$6000 to the cost of the project but could be omitted in order to keep costs down. Another cosmetic choice that we made that could be modified to bring cost down was the re-finishing of the containers. Not knowing the condition of the containers we would be choosing, we decided to budget for a commercial company; however if it is necessary to keep costs down, the refinishing of containers can be done by a team of volunteers with some time, patience, and water-based rust friendly paint. The final addition we would like for each container is the large outward-swinging door that acts as an awning when fully opened. We noticed that our type of design has rarely been documented, so we went ahead and created our own plan on how to create this fairly simple function. Looking at the two detail drawings for reference, you can see

our exact plan from the hinges to the support posts and brackets to safely prop the awnings up. Considering these structural pieces will preferably be steel-based, the cost of this addition on each container will total out to about \$540. With the main structure and refurbishing out of the way, we could then focus on the interior space.

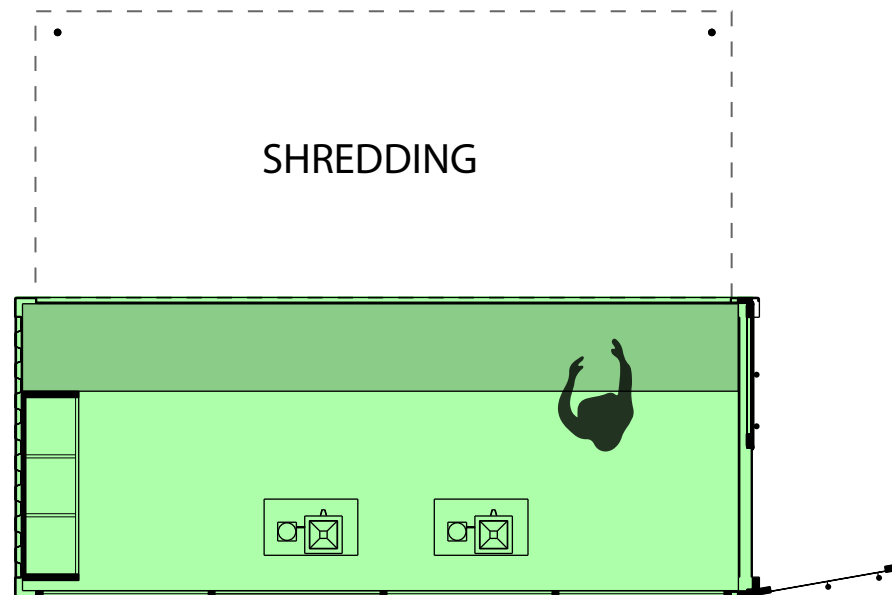
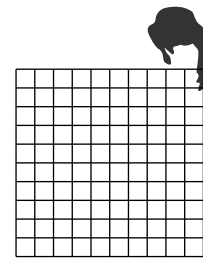
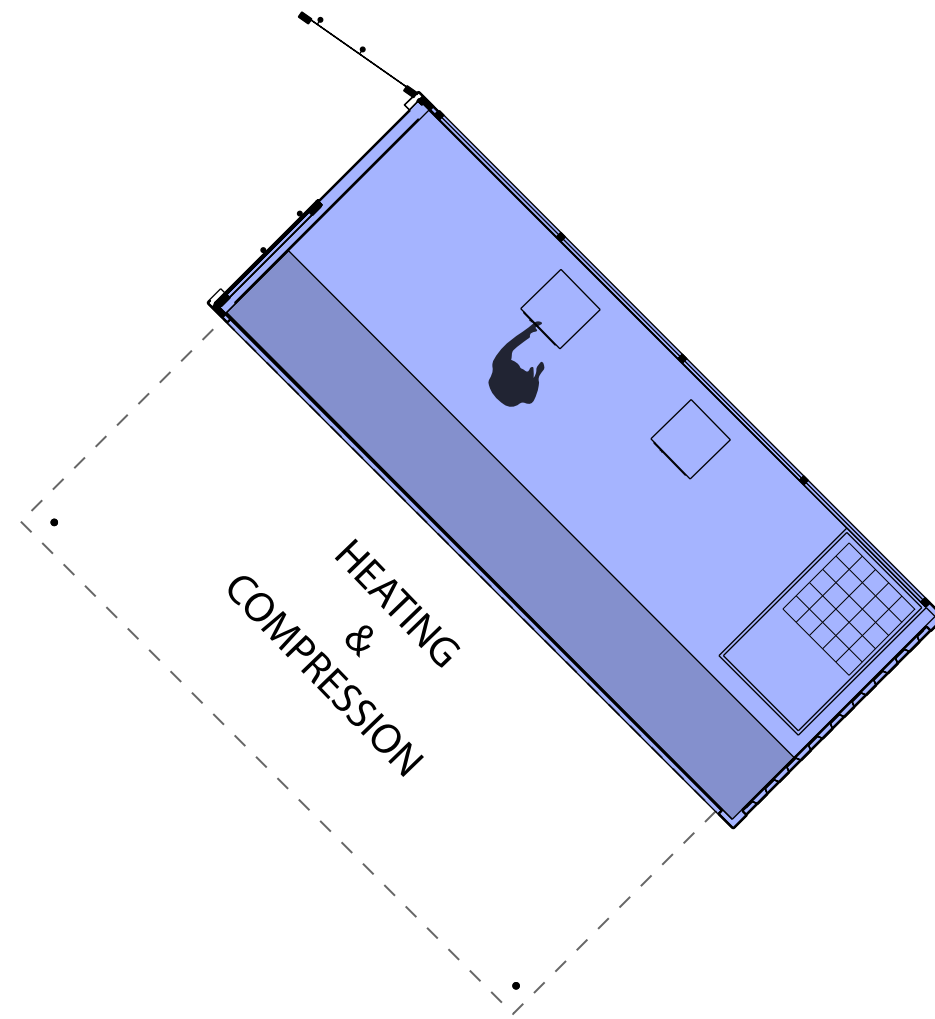
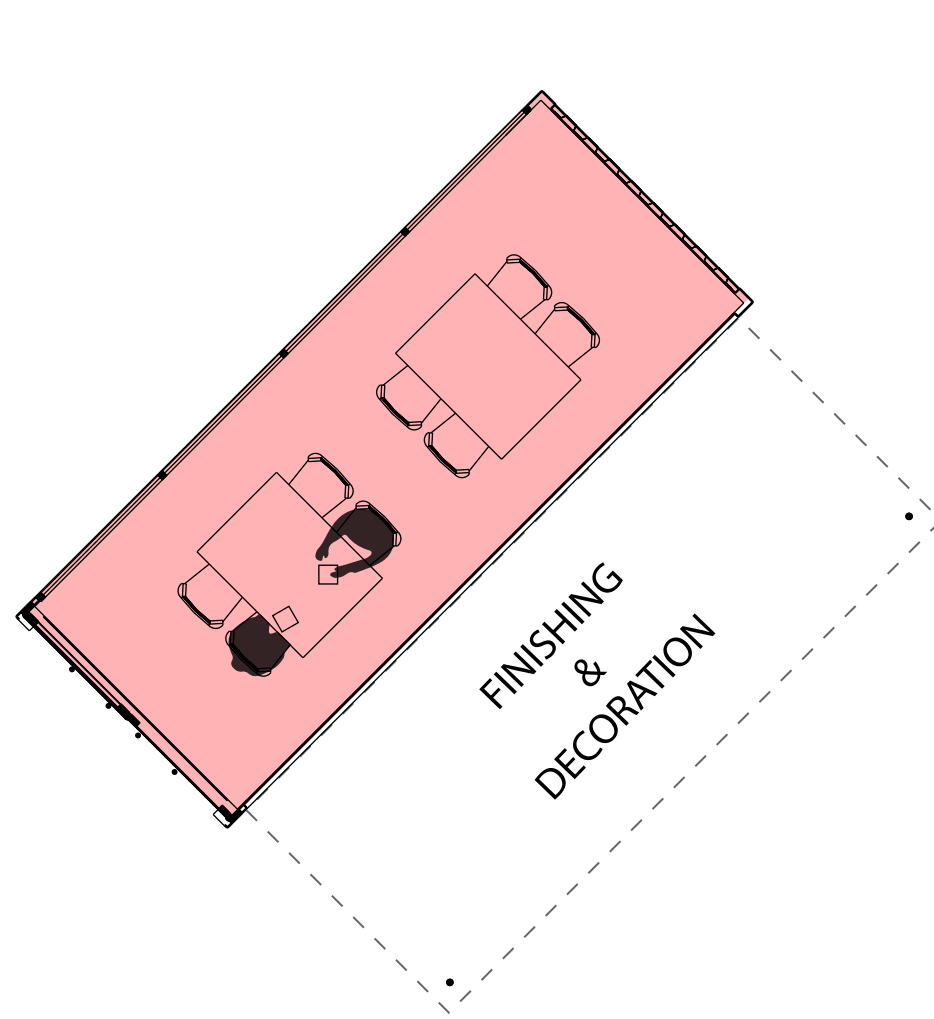
The interior spaces are where a lot of the money and earth-saving happens. The plan is to have 2 of each type of machine; shredder, extruder, and compressor. However either the extruder or compressor can be omitted depending on the module of choice. Each of the plans and pricing for the machines are based from the Precious Plastics website; but based on location and access to the materials needed to build them, the prices can fluctuate. To power all the machines and the required ventilation we have chose to mount solar panels onto the roofs of the containers. With a steep initial investment of around three thousand dollars, the pay-off of increased flexibility of location and the continued message of sustainability seemed like the right fit for the project. In order to continue the message of re-use, our plan is to have all of the work surfaces and interior furniture (chairs, tables, lamps, etc.) be either donated, salvaged, refurbished, or created by using donated recycled materials. This helps keep our cost and carbon footprint low.

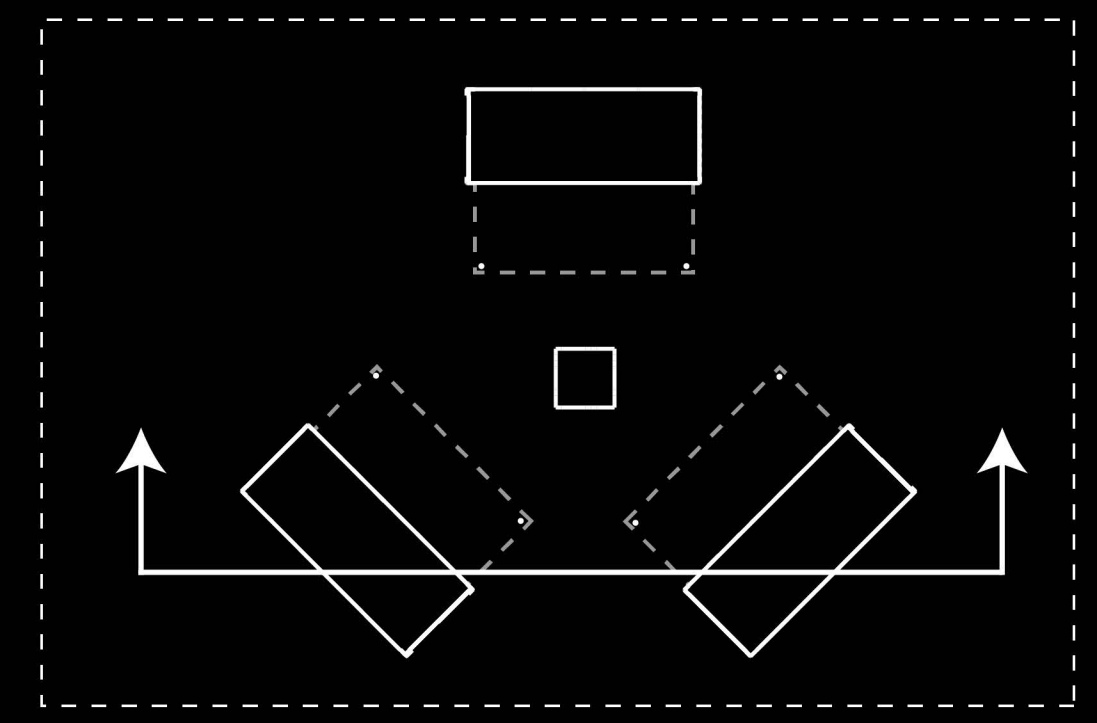
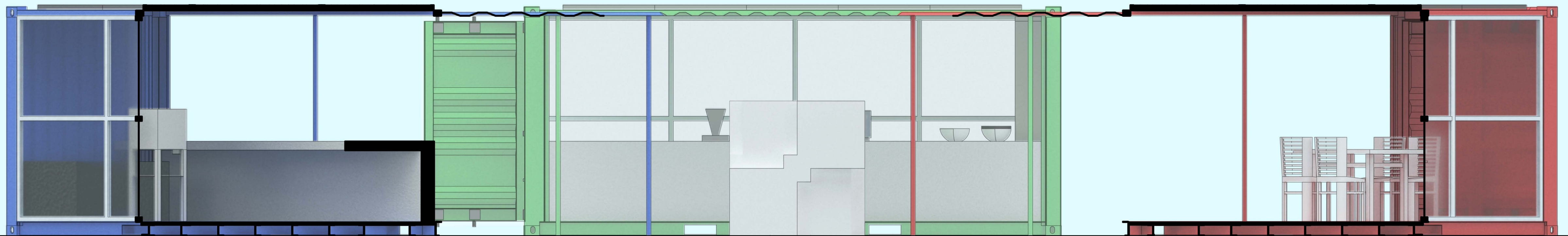
This project, while it may seem expensive at first glance, allows for a highly mobile opportunity to give communities a place to come together and build a work of art that represents them. With each module made from the community's waste and hand painted by their members, the art left behind will not only be a beautiful mosaic represent them but will also serve as a statement that even our waste can be made into something beautiful when we work together.

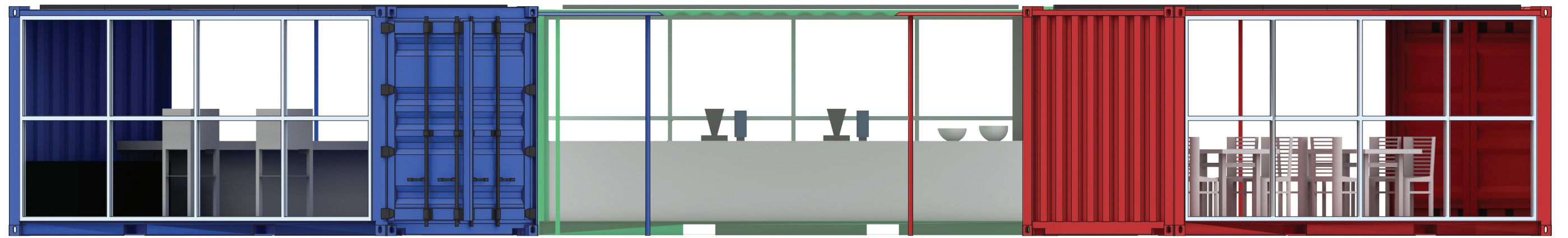




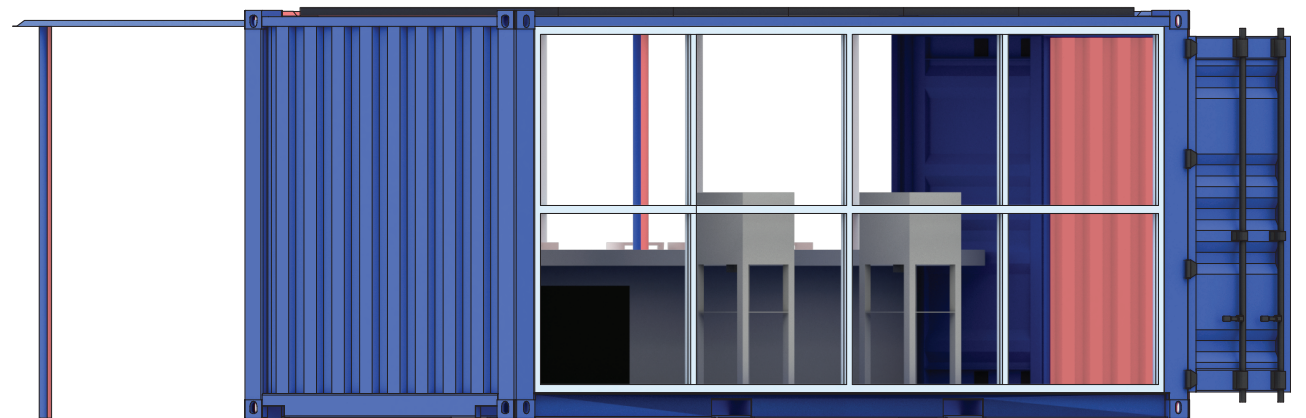
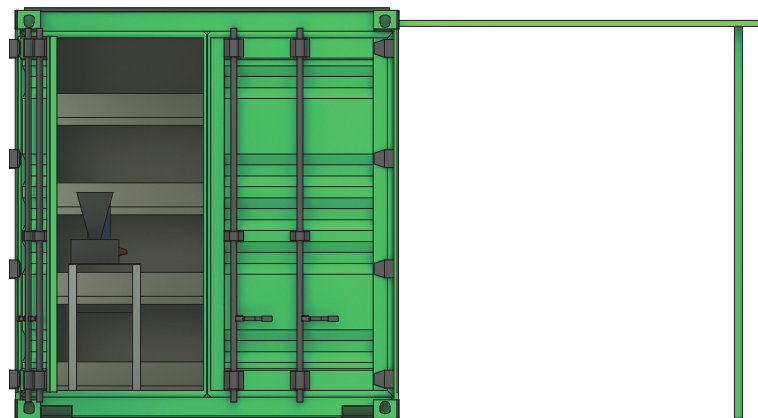


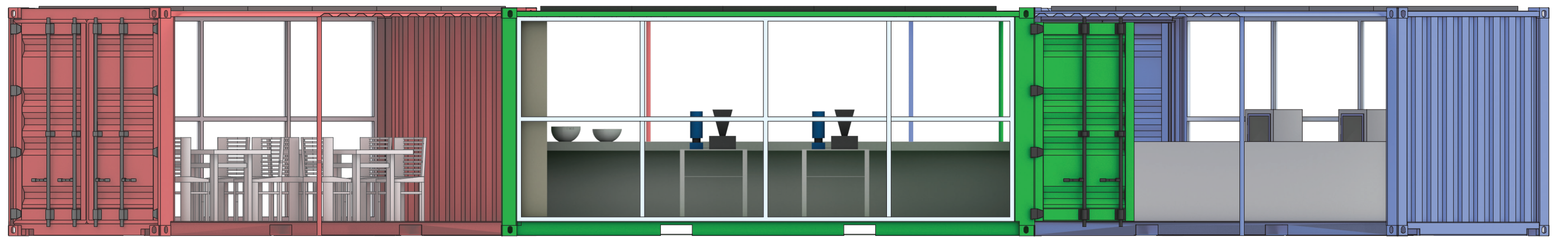


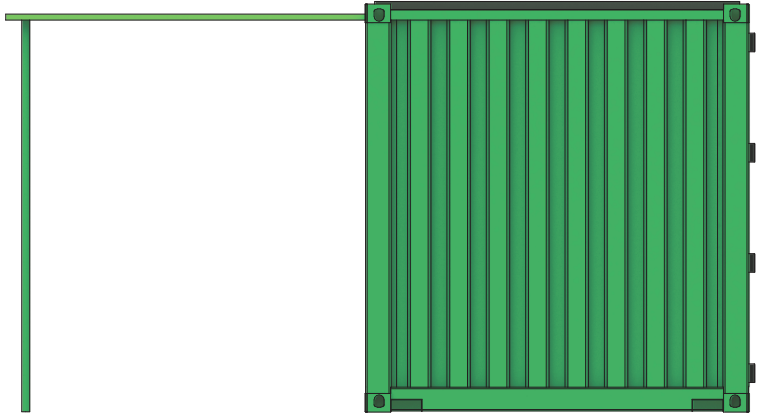
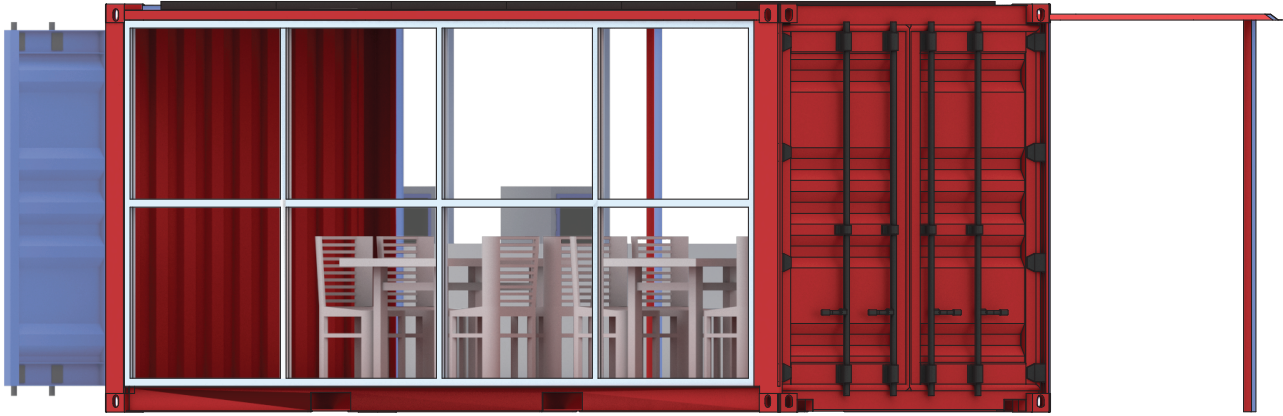




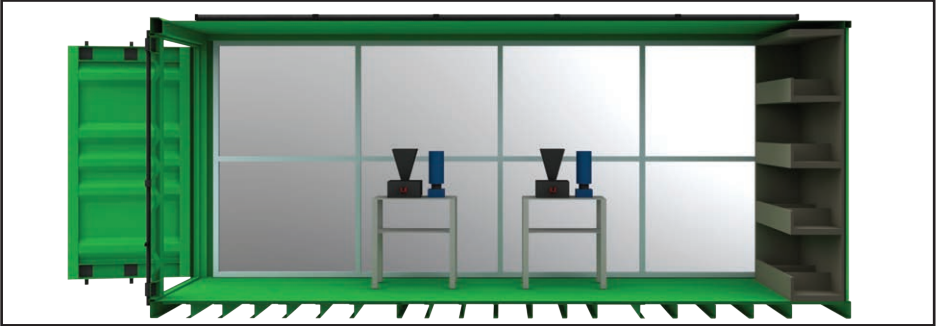




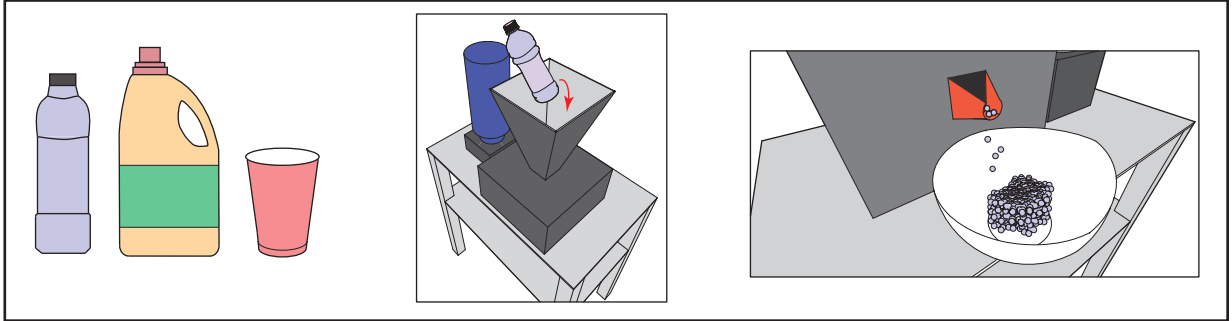




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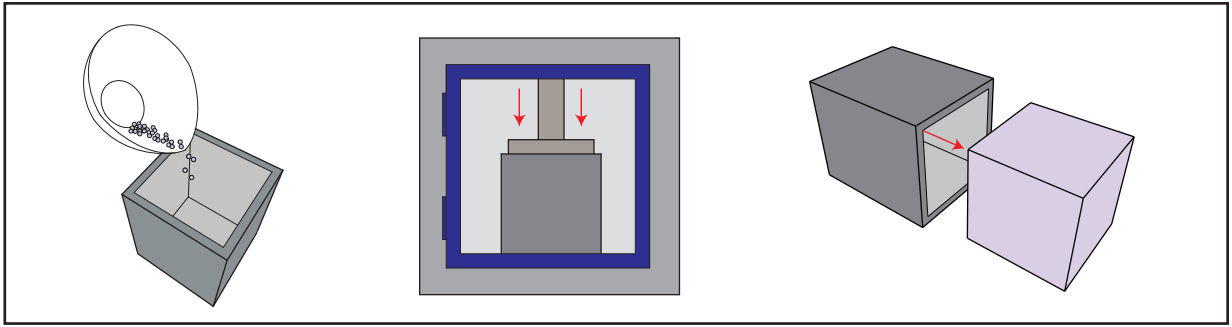
SHREDDING



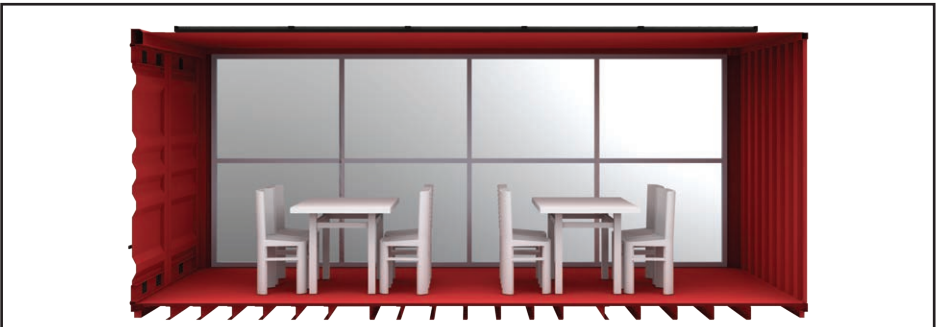
Plastics are fed into grinders and released as small pellets to be melted.



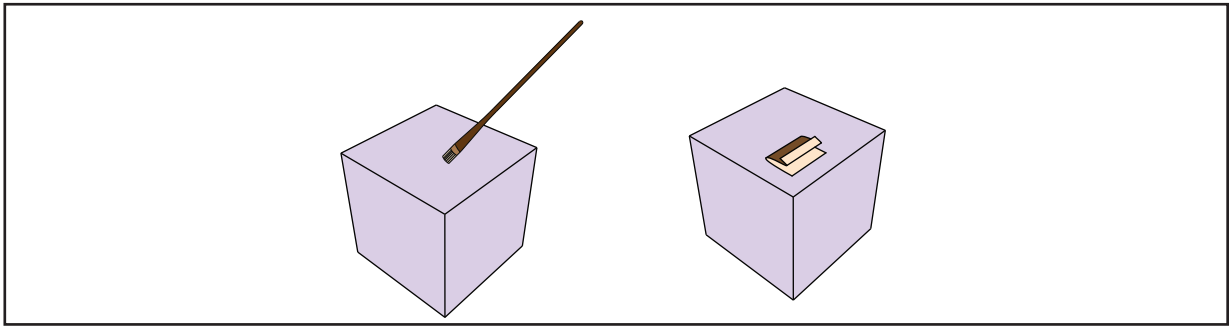
HEATING & COMPRESSION



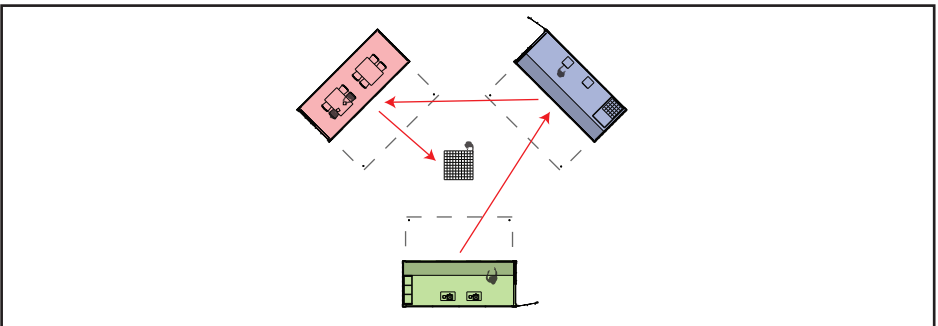
Pellets are heated and compressed to form unique modules for construction



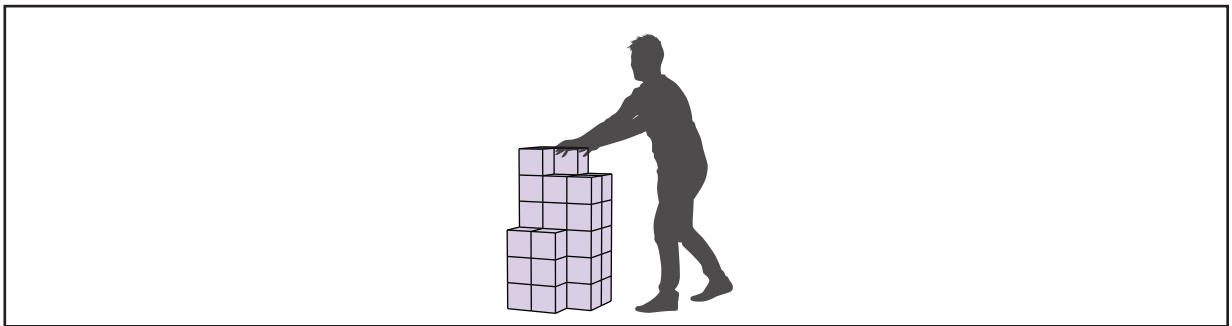
FINISHING & DECORATION



Modules can then be painted or sanded before being added to sculpture

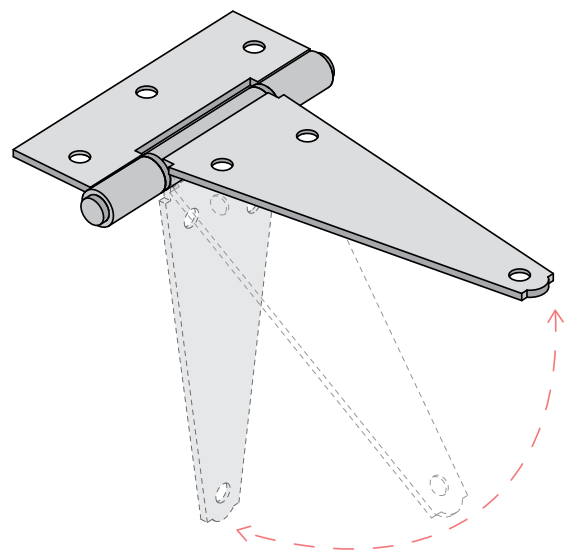


CONSTRUCTION

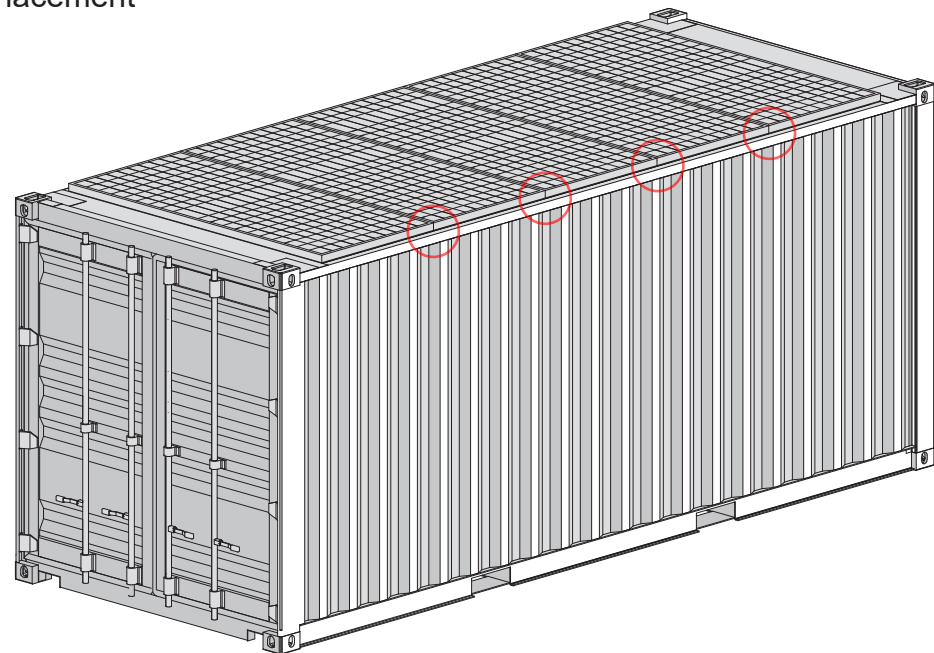


Finished modules are then used to create sculpture with safe adhesives.

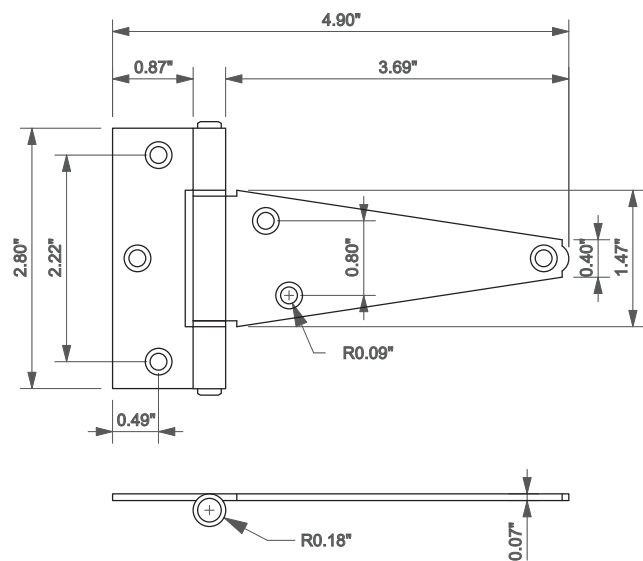
Tee Hinge Rotation: 90°



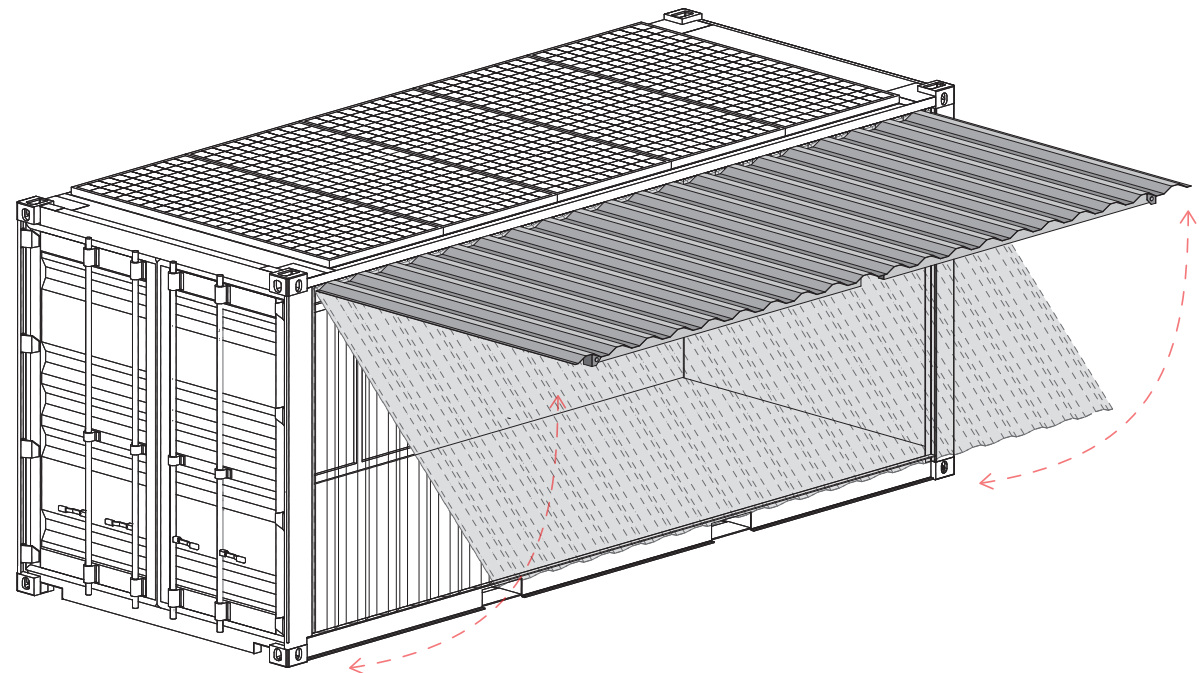
Tee Hinge Placement



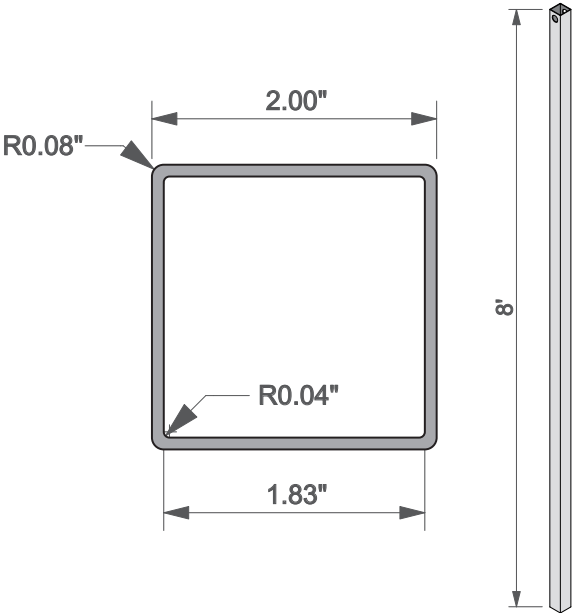
Tee Hinge Dimensions



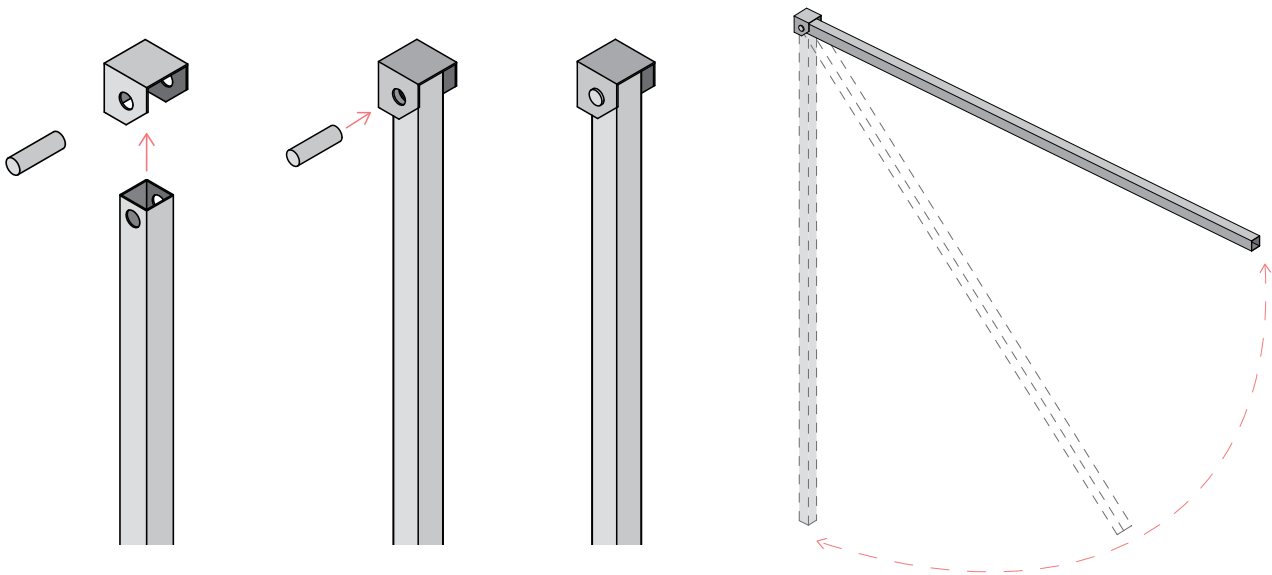
Door Swing Rotation: 90°



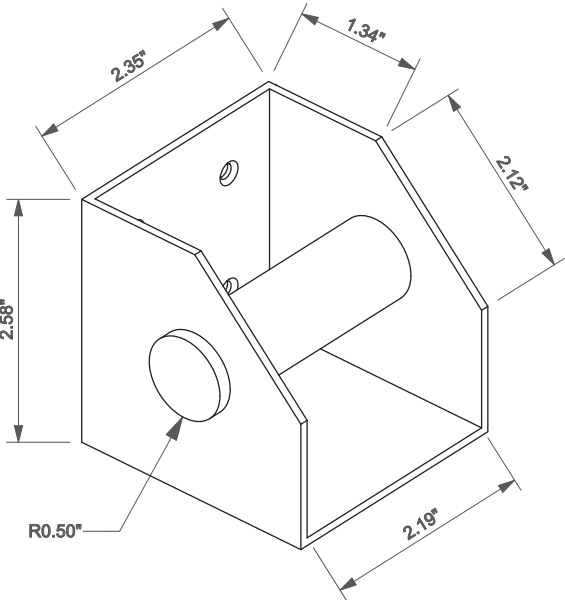
Post Dimensions



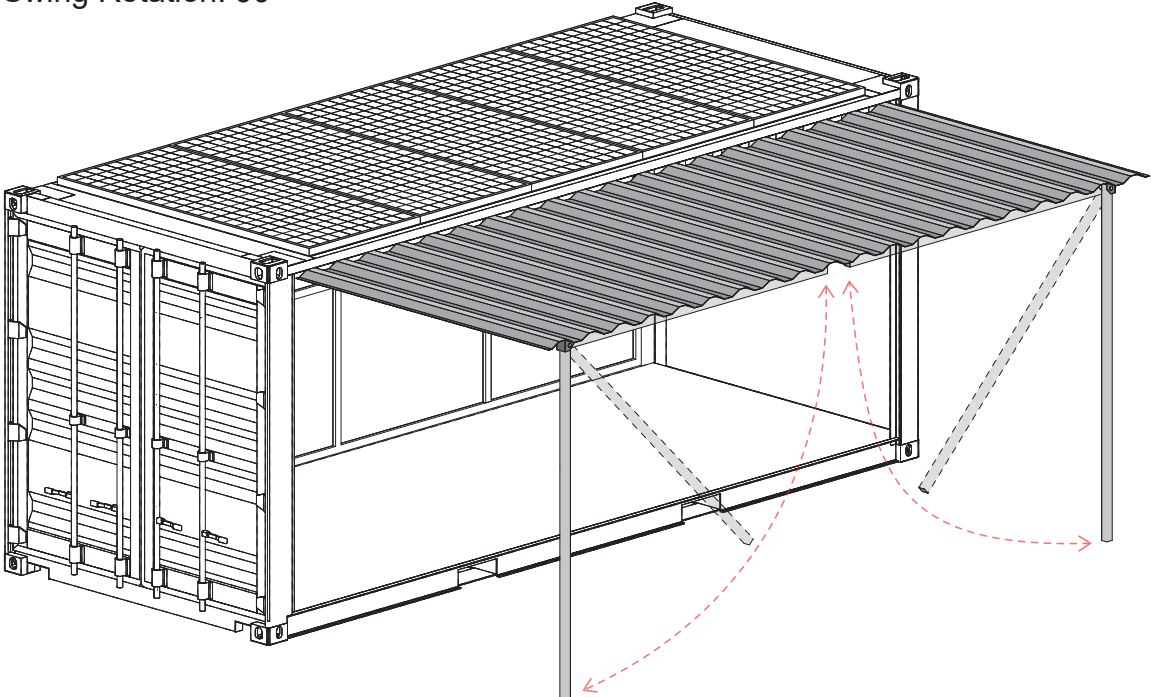
Post & Bracket Connection



Bracket Dimensions



Post Swing Rotation: 90°





Item description	cost	unit	total	notes	source
<b>structure</b>					
shipping containers	1800	3	5400	average of online sources	
repainting of shipping containers	2500	3	7500	container alliance will repaint, repair, and bring shipping containers up to shipping and safety standards	<a href="https://ca-containeralliance.com/containers/modifications/paint-and-refurbishing/#/">https://ca-containeralliance.com/containers/modifications/paint-and-refurbishing/#/</a>
Glass for glass walls in shiping container	230	15	3450	5 pannels at 48"96' per container	<a href="https://www.homedepot.com/p/OPTIX-48-in-x-96-in-x-1-4-in-Clear-Acrylic-Sheet-MC-102/202038056?cm_mmc=Shopping%7CG%7CBase%7CAI-Products%7CAI%7CAI%7CPLA%7c71700000014585962%7c58700001236285396%7c92700010802552460&amp;gclid=Cj0KCQjwoInnBRDDARIsANBVyARjBwn27y4_ZUCGVzE9hr_3Me1W8HKJP7e-nzihVFA-d4rZ1l-U7moaAlMzEALw_wcB&amp;gclid=aw.ds">https://www.homedepot.com/p/OPTIX-48-in-x-96-in-x-1-4-in-Clear-Acrylic-Sheet-MC-102/202038056?cm_mmc=Shopping%7CG%7CBase%7CAI-Products%7CAI%7CAI%7CPLA%7c71700000014585962%7c58700001236285396%7c92700010802552460&amp;gclid=Cj0KCQjwoInnBRDDARIsANBVyARjBwn27y4_ZUCGVzE9hr_3Me1W8HKJP7e-nzihVFA-d4rZ1l-U7moaAlMzEALw_wcB&amp;gclid=aw.ds</a>
aluminum frame for glass wall	1000	3	3000	estimate from research on metal framing couldnt find an exact quote	
ventilation fans+ instalation	250	2	500	each fan is 125 but with having to cut out space from the shipping container and man hours to install and wire the cost goes up to 250 each	<a href="https://www.globalindustrial.com/p/hvac/exhaust-fans/exhaust-and-supply/7-axial-wall-shutter-fan-2she0721-1-30-hp-115v-1-ph-140-cfm-tefc">https://www.globalindustrial.com/p/hvac/exhaust-fans/exhaust-and-supply/7-axial-wall-shutter-fan-2she0721-1-30-hp-115v-1-ph-140-cfm-tefc</a>
Modfying side of shipping container to open	180	3	540	2"x2"x8' Steel Tubes: \$39 each (x6) Heavy Duty Steel 4" Tee Hinges: \$14 each (x12) Custom Made Brackets: ~\$15-\$20 (x6)	<a href="https://www.metalsdepot.com/steel-products/steel-square-tube">https://www.metalsdepot.com/steel-products/steel-square-tube</a> <a href="https://www.homedepot.com/p/Everbilt-4-in-Stainless-Steel-Heavy-Duty-Tee-Hinge-14399/203339936">https://www.homedepot.com/p/Everbilt-4-in-Stainless-Steel-Heavy-Duty-Tee-Hinge-14399/203339936</a>
solar pannels	275	9	2475	175 for the solar pannel itself+ 100 for instal	<a href="https://www.wholesalesolar.com/1524772/jinkosolar/solar-panels/jinkosolar-325w-silver-poly-solar-panel">https://www.wholesalesolar.com/1524772/jinkosolar/solar-panels/jinkosolar-325w-silver-poly-solar-panel</a>
<b>Machines</b>					
shredder	340	2	680	using the plans and estimates from the precious plastics website	<a href="https://preciousplastic.com/en/videos/build/shredder.html">https://preciousplastic.com/en/videos/build/shredder.html</a>
compressor	120	2	240	using the plans and estimates from the precious plastics website	<a href="https://preciousplastic.com/en/videos/build/compression.html">https://preciousplastic.com/en/videos/build/compression.html</a>
injector	170	2	340	using the plans and estimates from the precious plastics website	<a href="https://preciousplastic.com/en/videos/build/injection.html">https://preciousplastic.com/en/videos/build/injection.html</a>
<b>Furnishing</b>					
work surfaces	0	NA	0	using all reclaimed wood to reduce cost and stay consistent with our message on sustainability	
storage	0	NA	0	using all reclaimed wood to reduce cost and stay consistent with our message on sustainability	
furniture	0	NA	0	using all reclaimed wood to reduce cost and stay consistent with our message on sustainability	

Structure total	22865
machine/equipment total	1260
furnishing total	0

subtotal	24125
15% calamity	3618.75

Net Predicted Total	27743.75
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