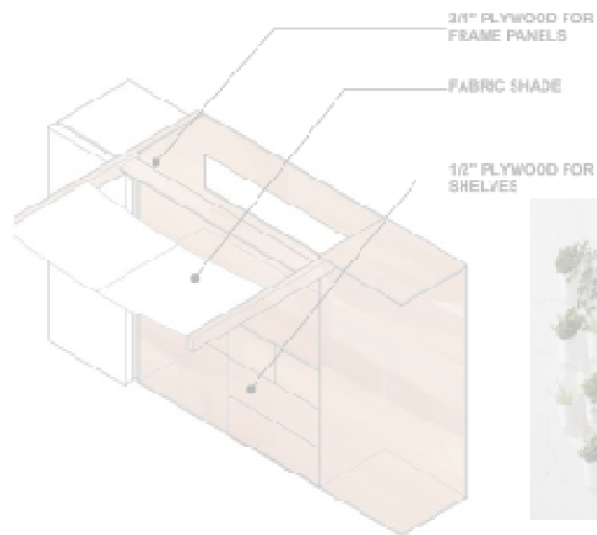
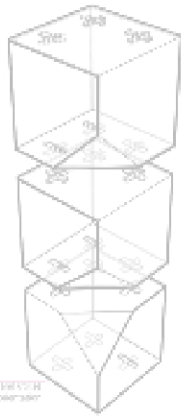
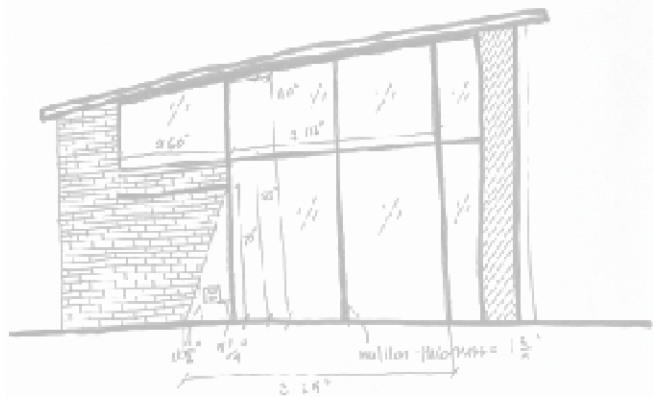
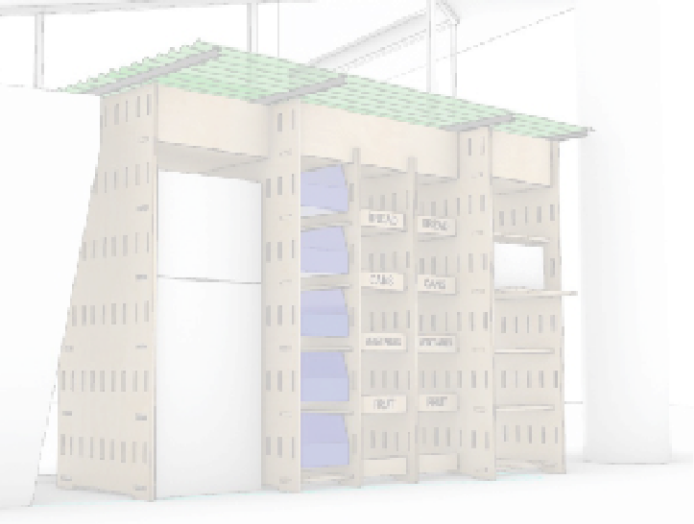
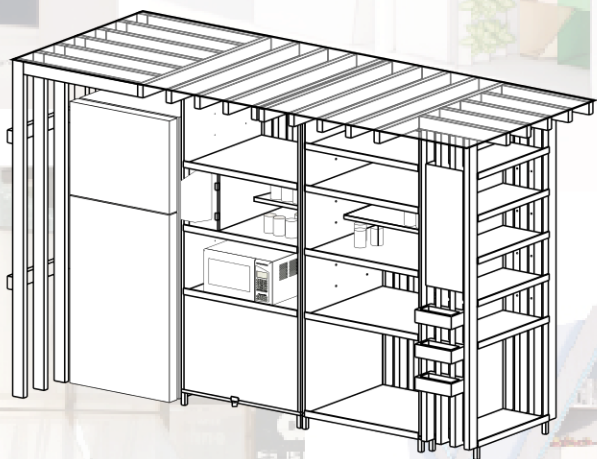
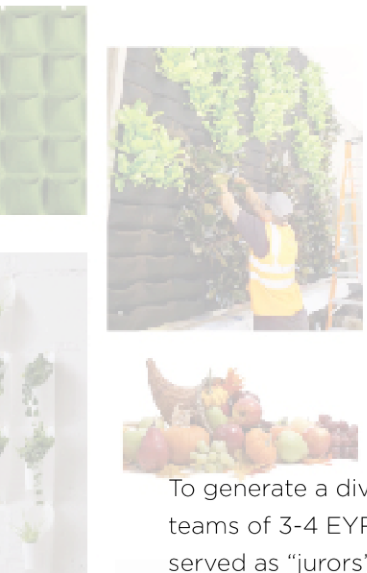




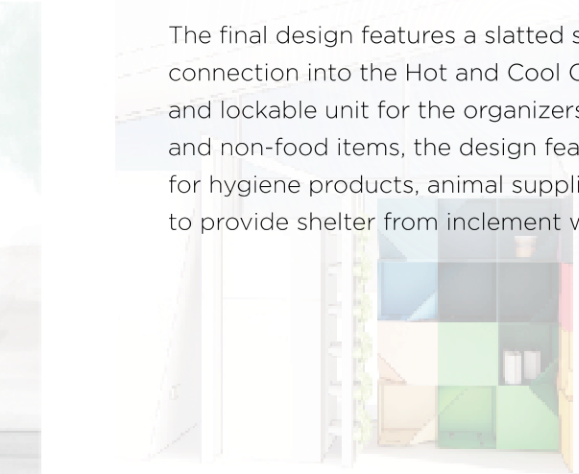
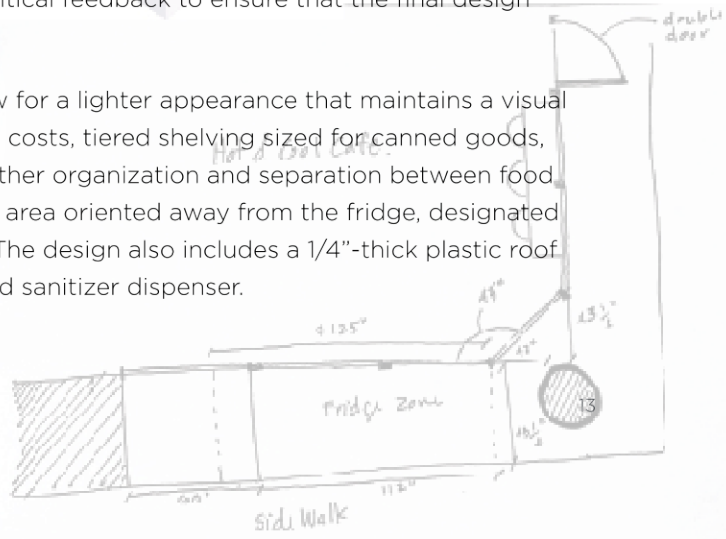
**OUR  
DESIGN**

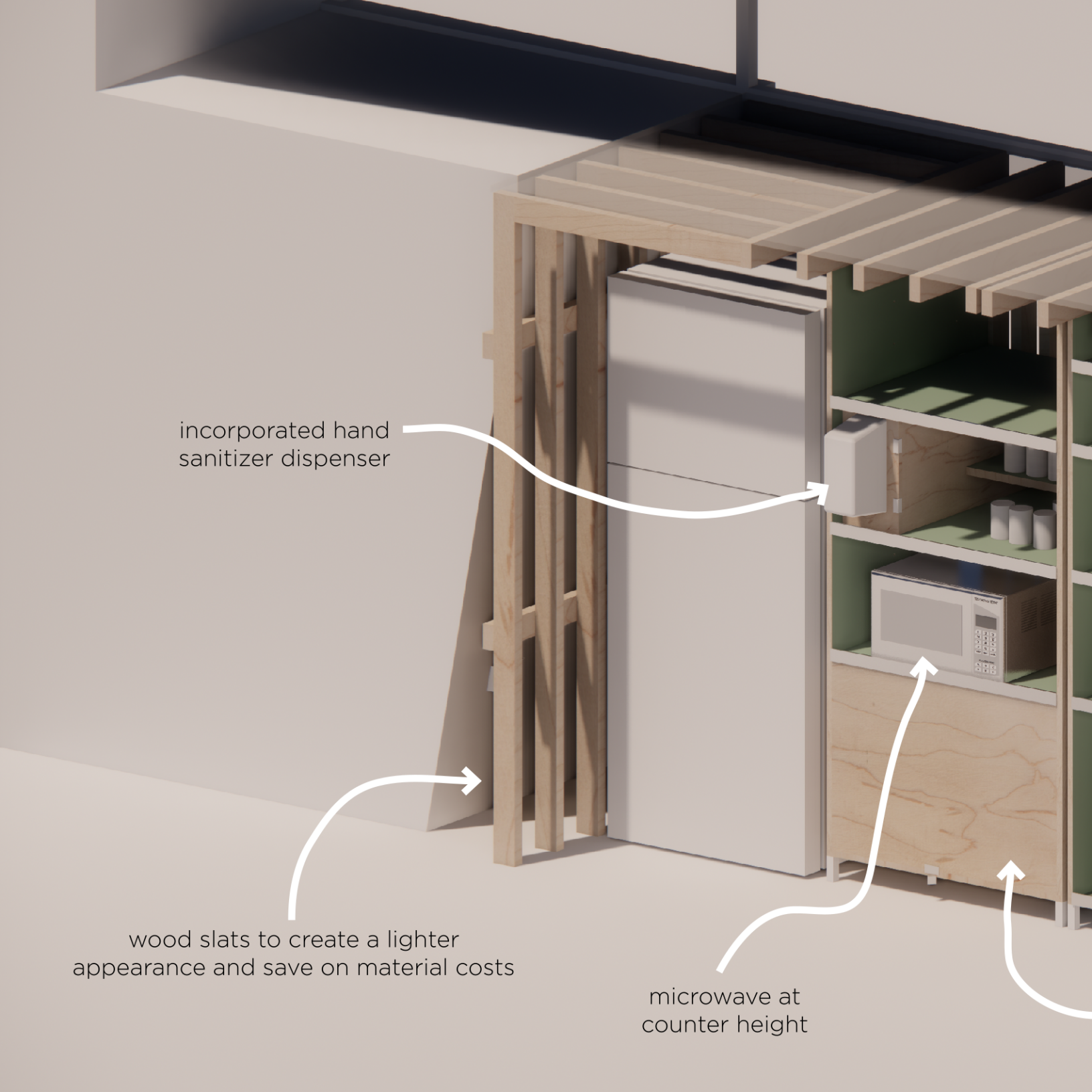




To generate a diversity of ideas in a limited amount of time, we hosted an internal design charrette, in which teams of 3-4 EYRC staff each developed proposals for the fridge structure. Abby, Kennedy, and Donovan served as “jurors” at the interim and final reviews, providing critical feedback to ensure that the final design would meet the community’s needs.

The final design features a slatted structure that not only allow for a lighter appearance that maintains a visual connection into the Hot and Cool Café but also saves material costs, tiered shelving sized for canned goods, and lockable unit for the organizers’ cleaning supplies. For further organization and separation between food and non-food items, the design features an additional storage area oriented away from the fridge, designated for hygiene products, animal supplies, and household goods. The design also includes a 1/4”-thick plastic roof to provide shelter from inclement weather and integrated hand sanitizer dispenser.

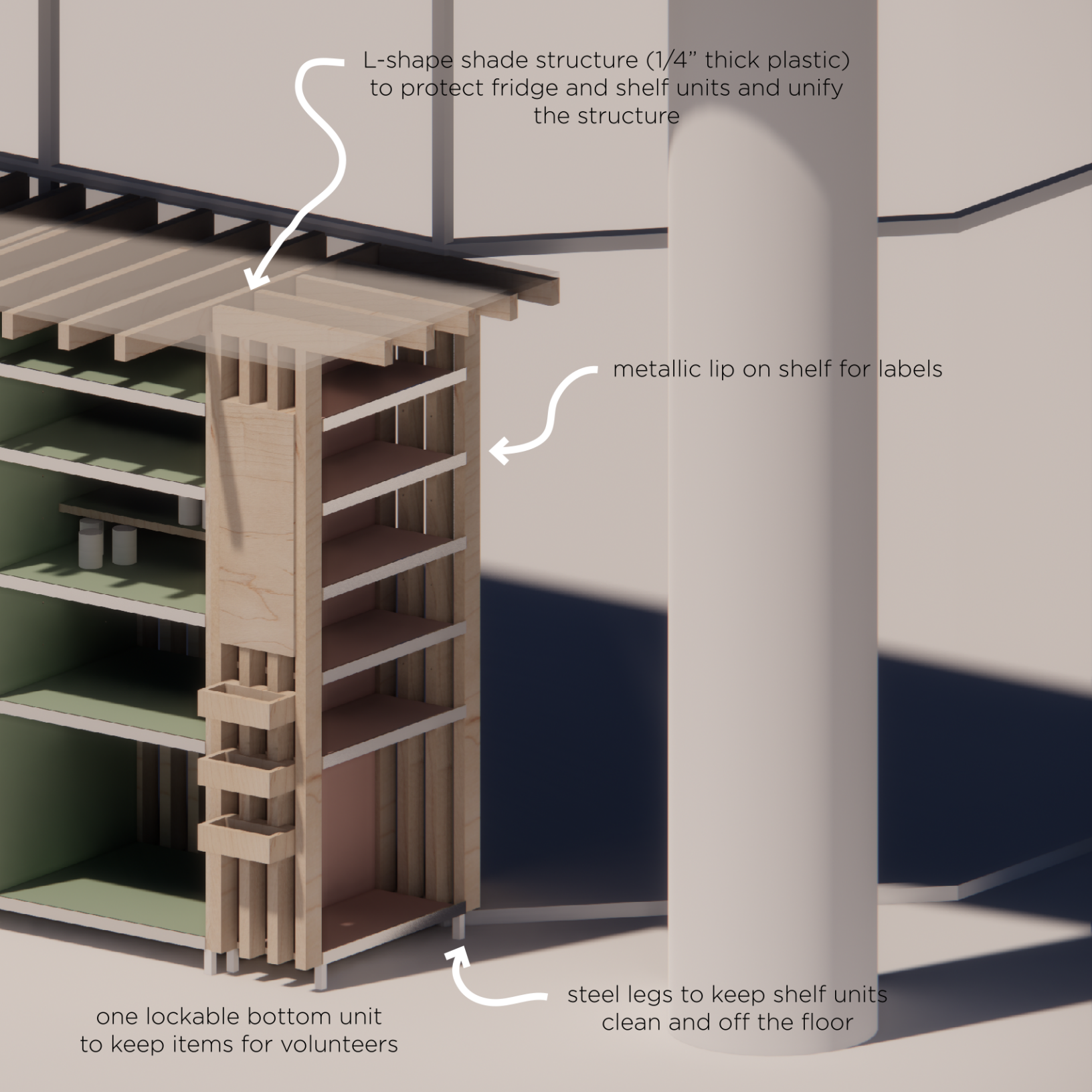


A 3D architectural rendering of a kitchen unit. The unit features a white refrigerator on the left, a microwave on a counter to the right, and open shelving above the counter. The shelving is supported by a wooden frame of vertical slats. A hand sanitizer dispenser is mounted on the wall to the left of the refrigerator. The unit is set against a light-colored wall and floor. Three white callout lines with arrows point to specific features: one to the hand sanitizer dispenser, one to the wooden slats, and one to the microwave.

incorporated hand sanitizer dispenser

wood slats to create a lighter appearance and save on material costs

microwave at counter height



L-shape shade structure (1/4" thick plastic)  
to protect fridge and shelf units and unify  
the structure

metallic lip on shelf for labels

steel legs to keep shelf units  
clean and off the floor

one lockable bottom unit  
to keep items for volunteers





Above: Three tiers of can shelving for easy viewing.  
Left: Planter boxes for harvestable herbs and board for artwork or community postings.



Above: Shelf for microwave at counter height.  
Right: Built-in hand sanitizer dispenser and closed storage for refill packets.



@LEIMERTPARKFRIDGE

Free Food!



COMIDA  
GRATIS



ART BY @Sisi\_Hood



**BUILD  
YOUR  
OWN**

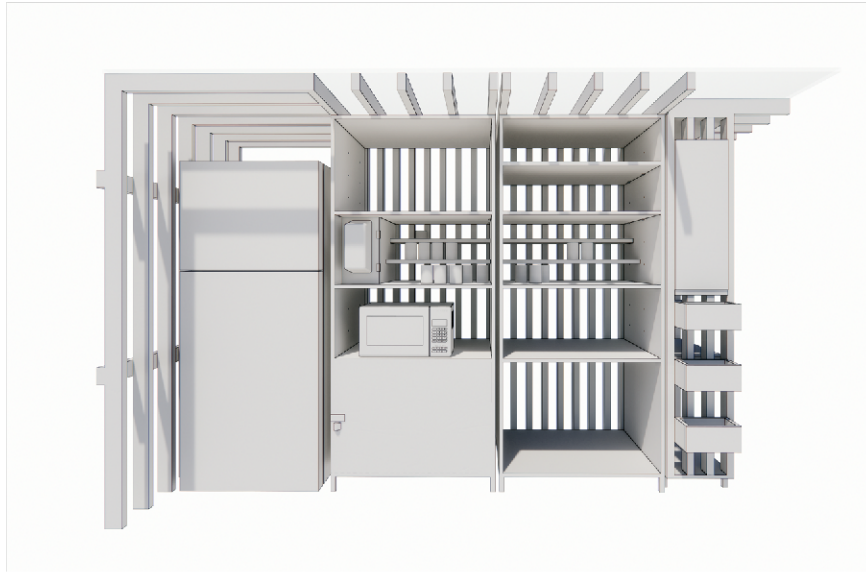




We saw this as the perfect opportunity to explore a modular design approach, which would not only allow for safe assembly, even with covid-era social distancing measures, but would also be flexible and reproducible for other community fridge sites. Each module is sized to fit in a flatbed truck, making it possible to complete most of the construction off-site, transport each module, and efficiently install the structure with minimal disruptions to the existing fridge.

Our structure for the Leimert Park Fridge consists of three modules, but the design can easily be adapted to accommodate other sites. In the following pages, we outline the supplies needed to replicate this fridge structure design.

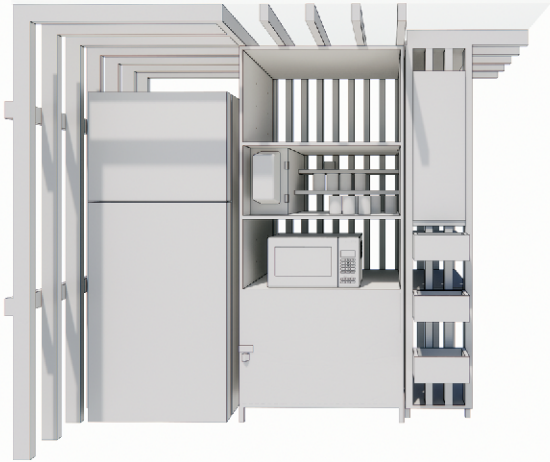
# STRUCTURE SIZE



## 3 MODULE STRUCTURE

128" x 50" x 80"

Our structure for the Leimert Park Fridge! This version consists of one module with a lower lockable unit, one module with completely open shelving, and one module oriented away from the fridge for non-food items, with shallower shelving and planter boxes. The fridge and all storage units are united and sheltered under an L-shaped shading structure.



## 2 MODULE STRUCTURE

94" x 50" x 80"

Composed of one module with a lower lockable unit, sideways-facing module with shallower shelving and planter boxes, and roof structure above.

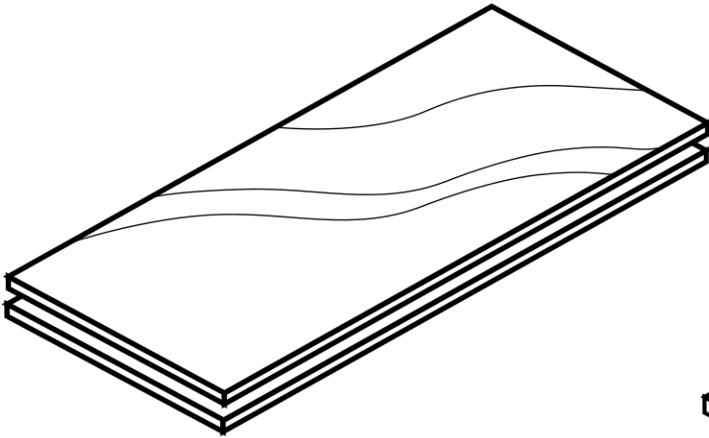


## 1 MODULE STRUCTURE

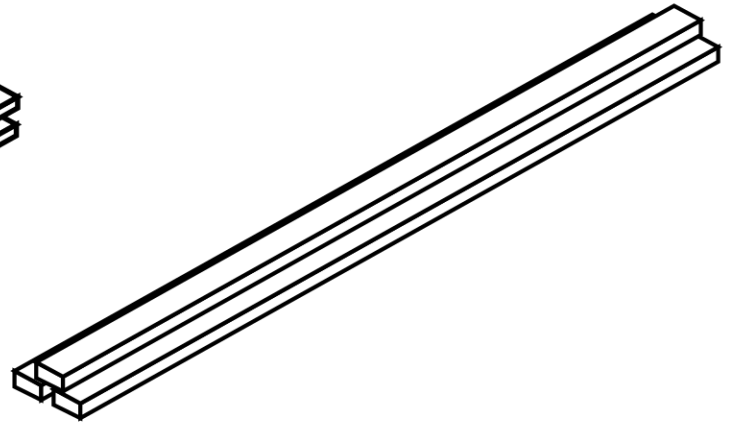
70" x 50" x 80"

For more compact sites, the most minimalist version features one module with shelving for dry goods and a roof structure for shelter.

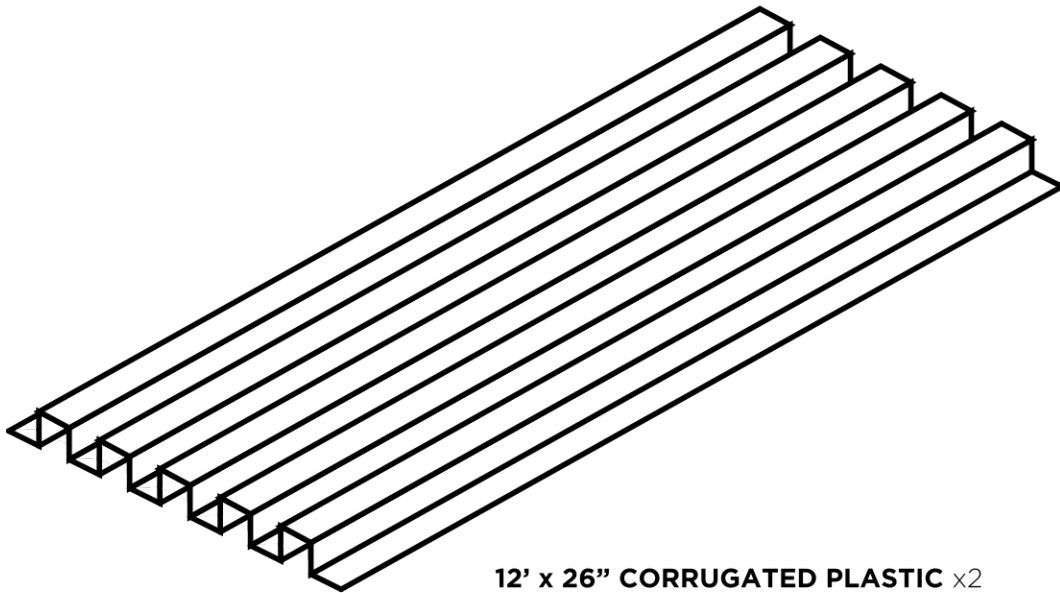
# WHAT YOU'LL NEED



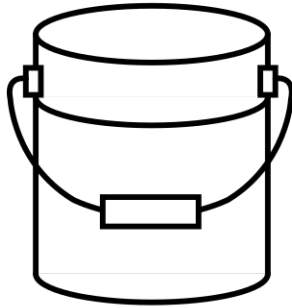
**3/4" ARRACOR PINE PLYWOOD**  
x(SEE FOLLOWING PAGES)



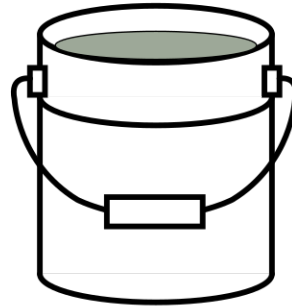
**TREATED FIR 2x4 LUMBER**  
x(SEE FOLLOWING PAGES)



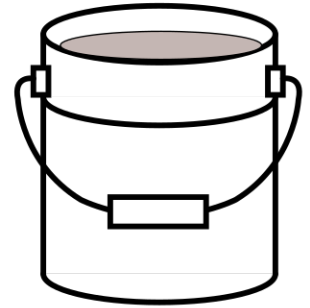
**12' x 26" CORRUGATED PLASTIC x2**



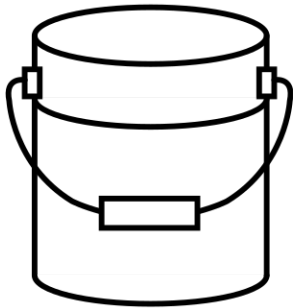
**PAINT PRIMER**  
x1 GALLON



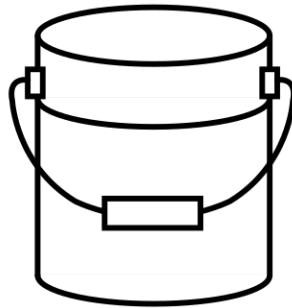
**GLIDDEN WHISPERING  
PINE PAINT - SEMI GLOSS**  
x1 GALLON



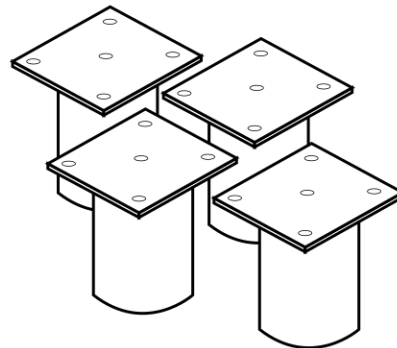
**GLIDDEN KANGAROO  
PAW PAINT - SEMI GLOSS**  
x1 GALLON



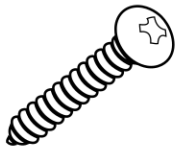
**WATER-BASED EXTERIOR  
POLYURATHANE FINISH  
SATIN** x2 GALLON



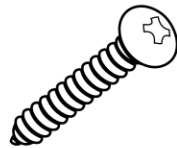
**WATER-BASED EXTERIOR  
POLYURATHANE FINISH  
GLOSS** x1 GALLON



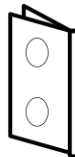
**3" CABINET FEET** x12



**2 1/2" STAINLESS  
STEEL SCREWS**



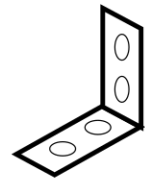
**5/8" STAINLESS  
STEEL SCREWS**



**DOOR HINGES** x4

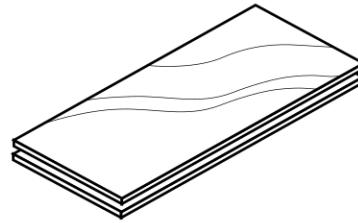
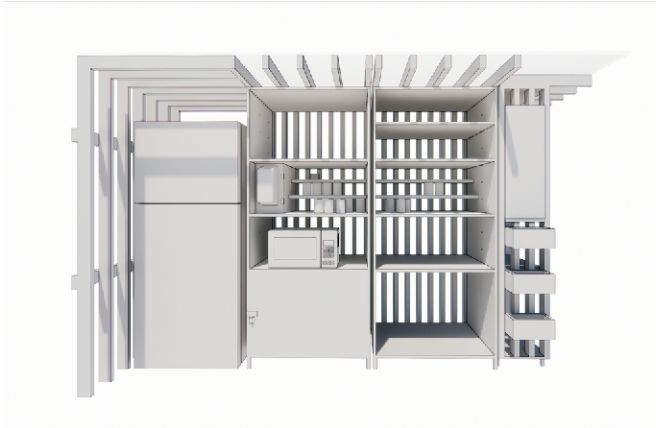


**1/2" L BRACKET**  
x40

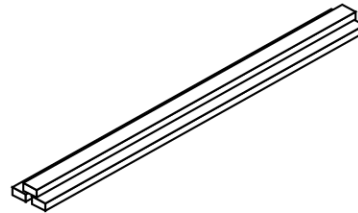


**1 1/2" L BRACKET**  
x20

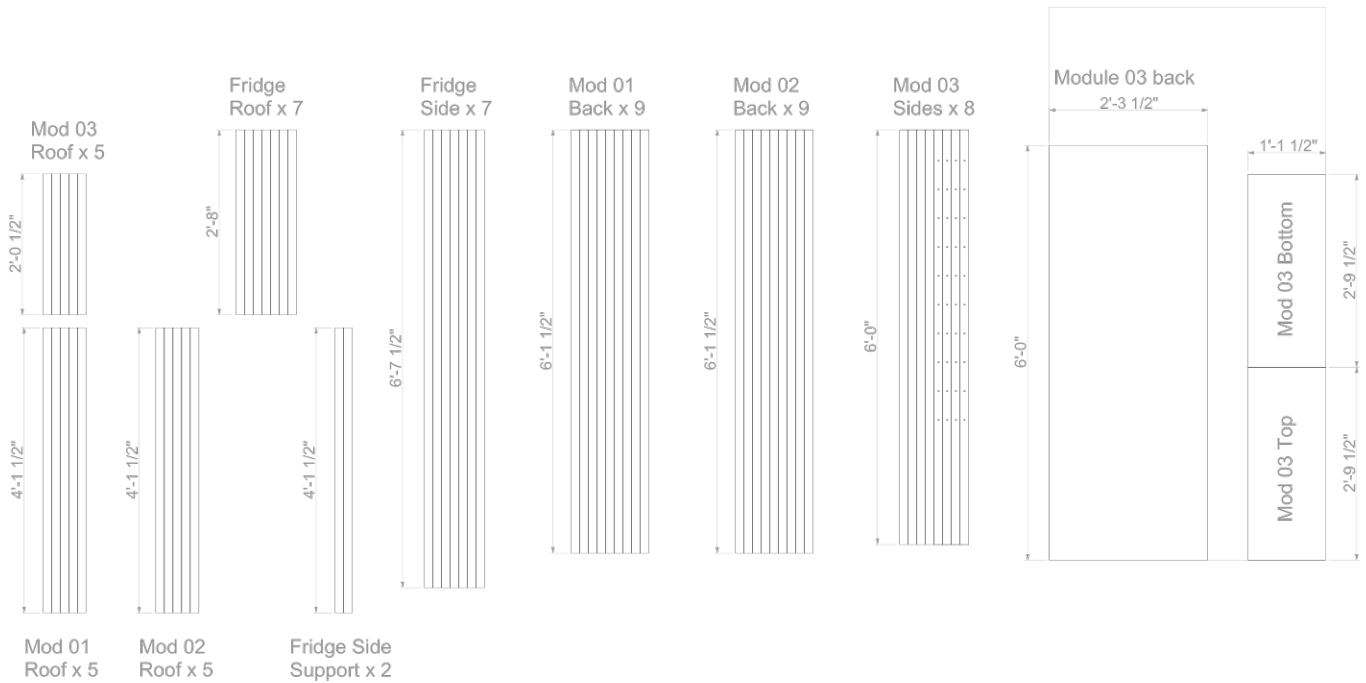
# 3 MODULE STRUCTURE

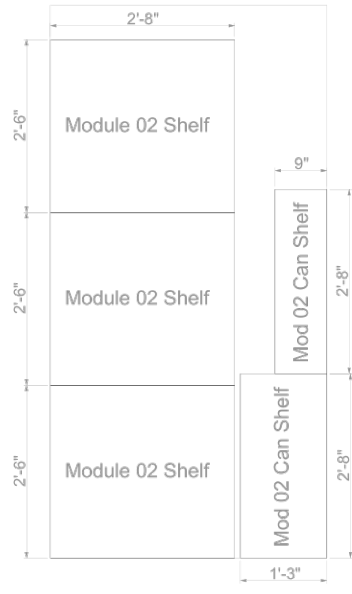
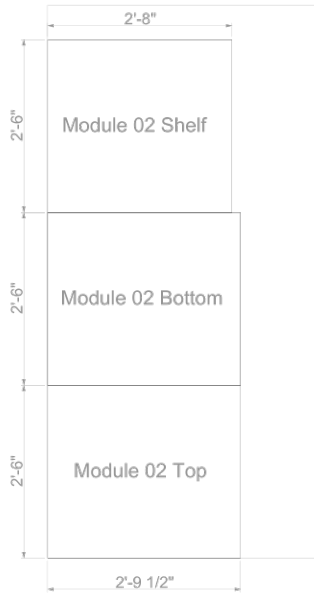
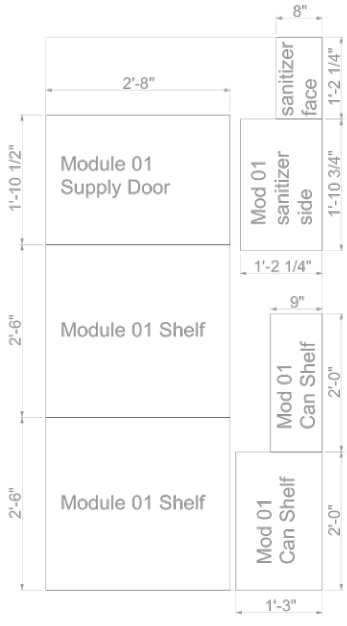
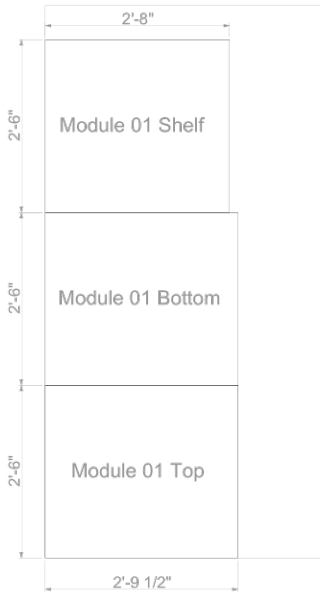
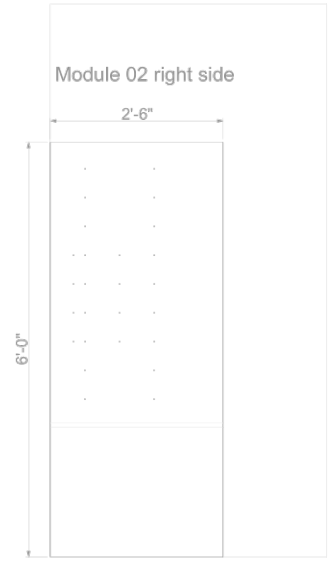
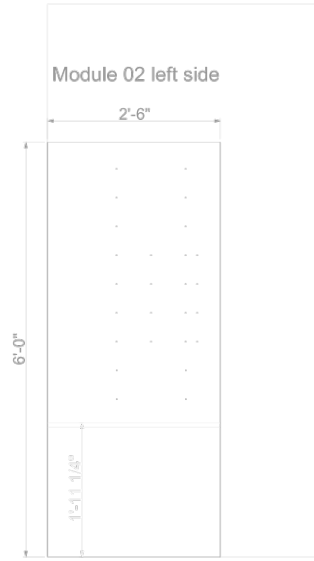
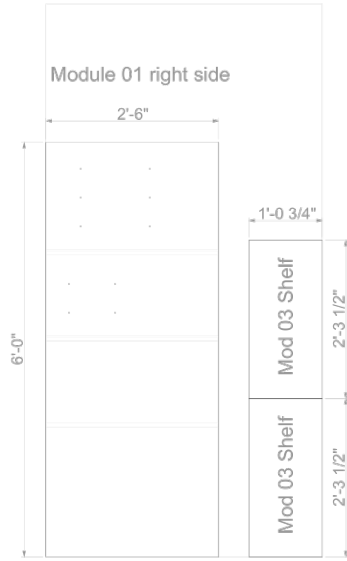
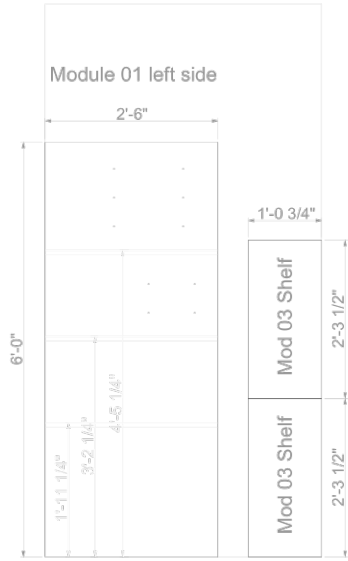


**3/4" ARRACOR PINE  
PLYWOOD x9**

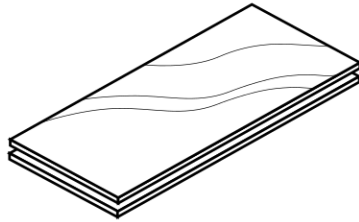
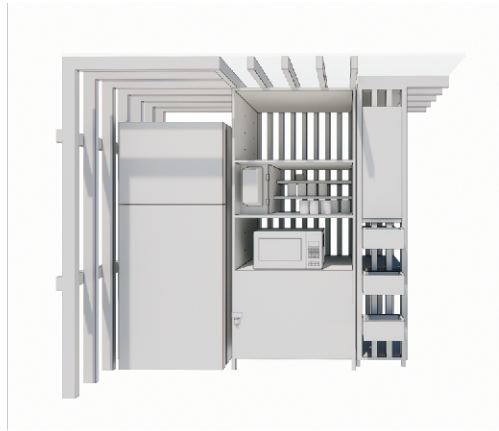


**TREATED FIR 2x4  
LUMBER x44**

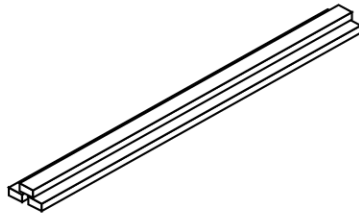




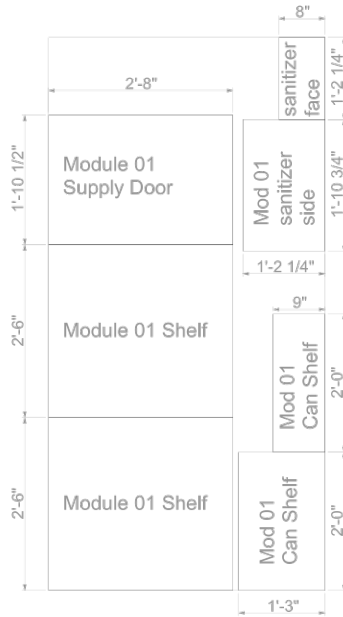
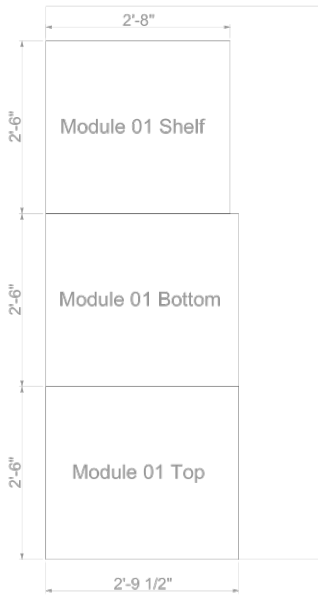
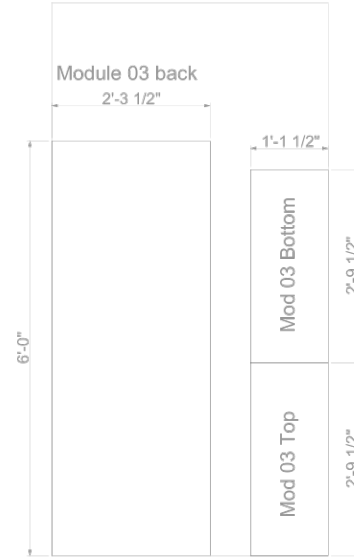
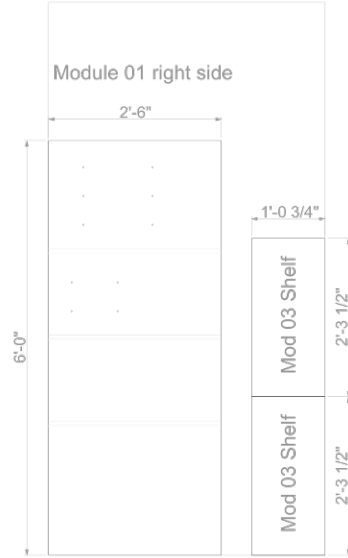
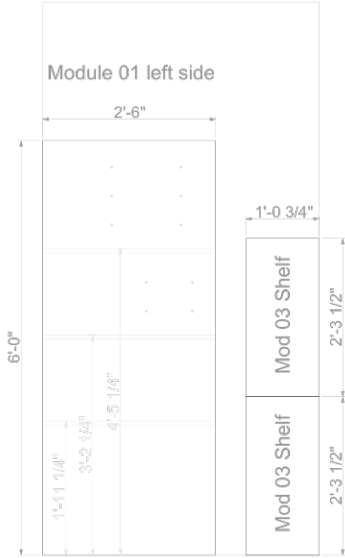
## 2 MODULE STRUCTURE



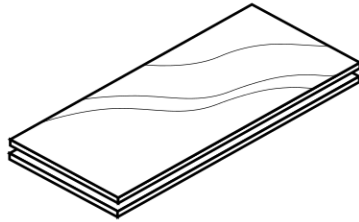
**3/4" ARRACOR PINE  
PLYWOOD x5**



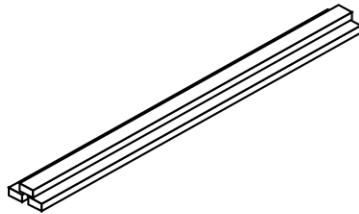
**TREATED FIR 2x4  
LUMBER x36**



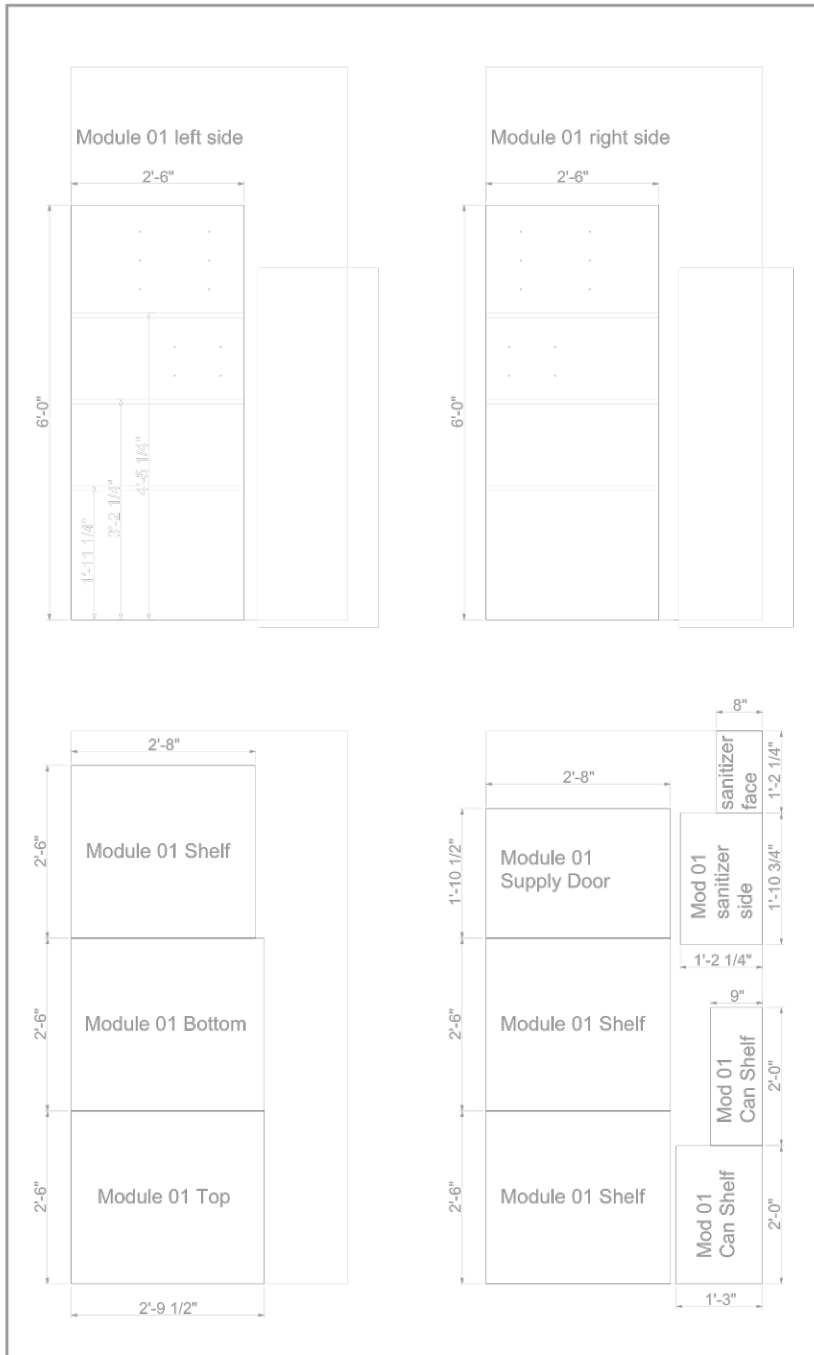
# 1 MODULE STRUCTURE



**3/4" ARRACOR PINE  
PLYWOOD x4**



**TREATED FIR 2x4  
LUMBER x23**



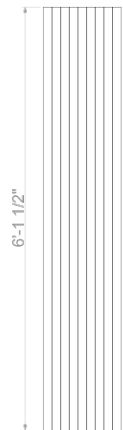
Fridge Roof x 7



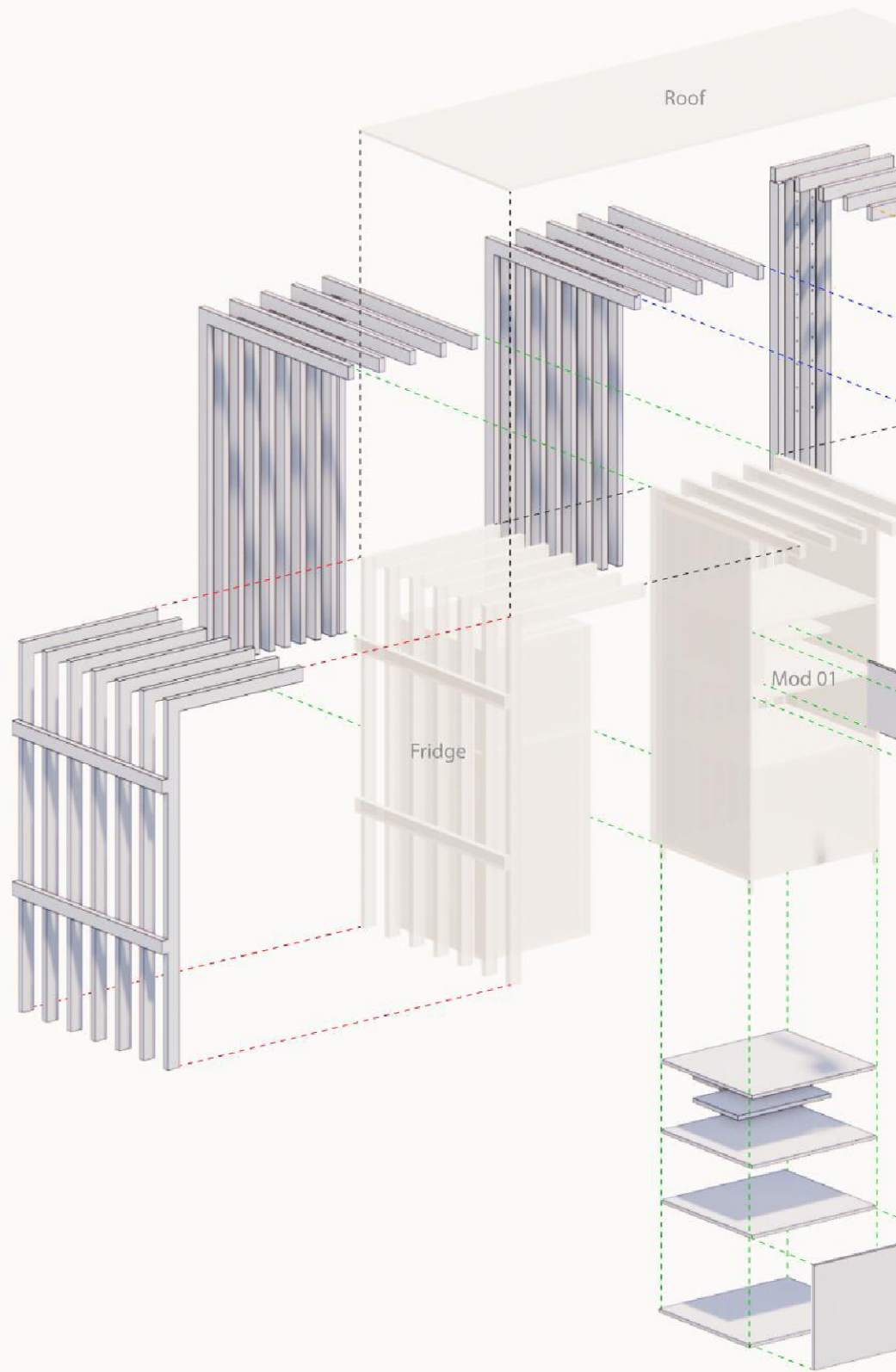
Fridge Side x 7

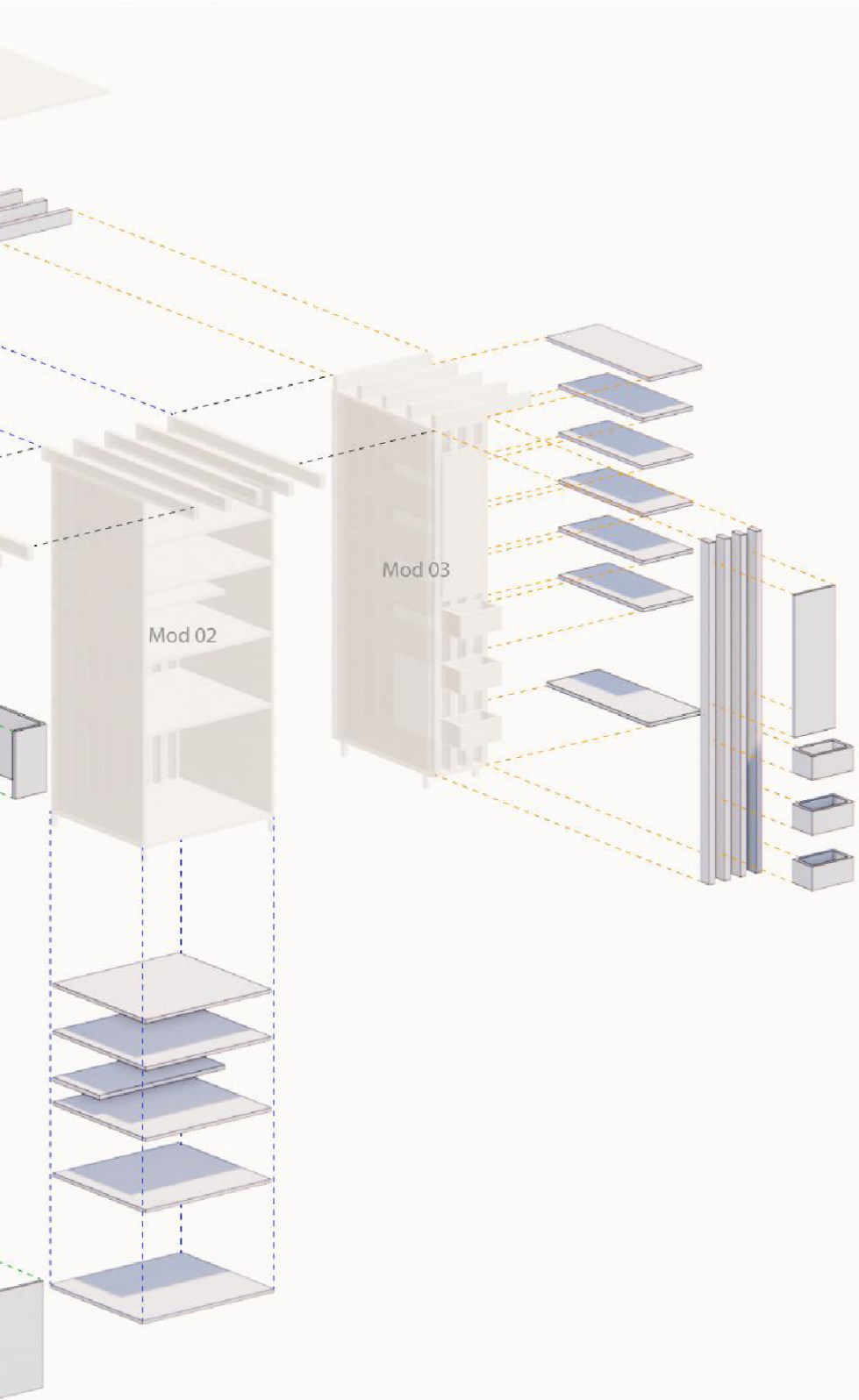


Mod 01 Back x 9



Mod 01 Roof x 5

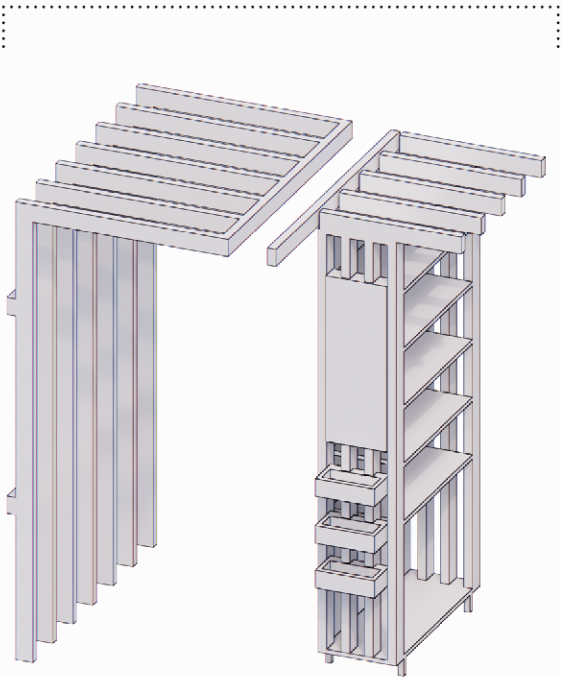




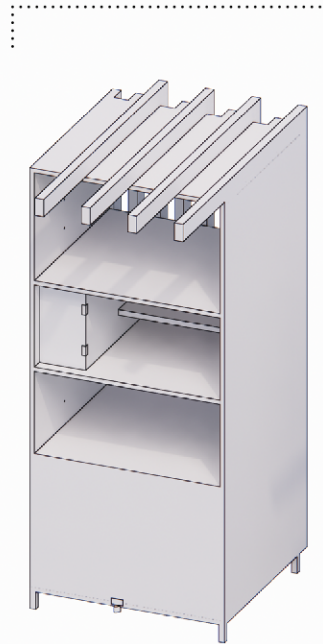
# TRUCKBED LOADING

the modules are designed to fit on a conventional pick up truck

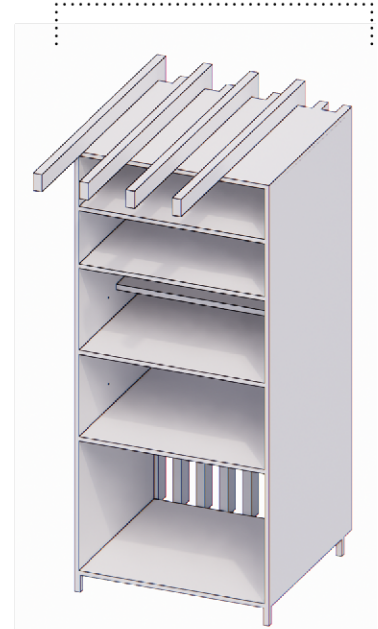
**LOAD 1**



**LOAD 2**



**LOAD 3**







# MATERIAL COSTS

| PRODUCT  | UNIT COST | AMOUNT       | TOTAL COST         |
|--|-----------|--------------|--------------------|
| <b>STRUCTURE</b>   |           |              |                    |
| Arracor Pine Wood 3/4" 4x8                                   | \$51.25   | 9            | \$461.25           |
| Arracor Pine Wood 2x4  | \$6.95    | 50           | \$347.50           |
| General Finishes Exterior 450                                | \$70.00   | 1            | \$70.00            |
| Screws / Finish Nails / Cabinet Feet / Adjustable shelf pegs | \$85.10   | 1            | \$85.10            |
| Hinges   | \$14.32   | 1            | \$14.32            |
| Door hasp for lock   | \$9.99    | 1            | \$9.99             |
| Lock   | \$6.90    | 1            | \$6.90             |
| 12' Santuf PC Panel Clear                                    | \$72.53   | 1            | \$72.53            |
| Additional Clear Coat  | \$100.00  | 1            | \$100.00           |
| Additional Fasteners   | \$32.60   | 2            | \$65.20            |
| <b>FINISHES</b>  |           |              |                    |
| Paint / Primer / Wood Filler / Tarp                          | \$106.89  | 1            | \$106.89           |
| Paint rollers / Trays  | \$26.30   | 1            | \$26.30            |
| <b>MISC.</b>   |           |              |                    |
| Purell   | \$68.50   | 1            | \$68.50            |
| C Batteries  | \$12.99   | 1            | \$12.99            |
| Plants   | \$36.05   | 1            | \$36.05            |
| Plastic Labels   | \$14.99   | 1            | \$14.99            |
|  |           |              |                    |
|  |           | <b>TOTAL</b> | <b>\$1,648.20*</b> |

\*Reflects total costs for a painted 3-module structure including hand sanitizer, plants, and labels, with a \$1,500 target budget.

# LESSONS LEARNED

After seeing the project all the way through installation and receiving community feedback, we've compiled the following list of tips - things that were particularly successful, that we'd do differently next time, and that we would've found helpful to know.

1. Much like the fridge itself, the plywood makes for a great canvas for local artists to showcase their creativity and talent!
2. If installing a hand sanitizer dispenser, we recommend a manual model - we found that motion sensor dispensers are often unintentionally triggered by passersby.
3. Fixed shelves will be sturdier than our adjustable peg system and will save time during construction by eliminating the need to drill peg holes.
4. We felt it was important for the backside of our fridge structure to be slatted to maintain a visual connection to the Hot and Cool Café. However, if your fridge structure sits along a solid wall, consider a solid plywood back to prevent debris from slipping through the slats and accumulating behind the structure.
5. While lifting the structure off the ground helps keep the shelves clean, we recommend ensuring its feet are attached securely and durable enough to withstand the structure being pushed across the ground for relocation or routine maintenance. The feet we used were the most fragile part of the structure.
6. A high gloss finish on the shelves helps create an even surface that is easy to wipe down for routine cleaning.
7. If you're planting harvestable herbs in the planters, expect to replant them periodically.
8. Make a plan for upkeep and maintenance of your beautiful new structure! (e.g., who will clean the structure and how often, how to fix potential structural failures, etc.)

## ESTIMATED TIME COMMITMENT

Based on 3 Module design with a team of  
3-4 people per day:

### Cutting

1-2 days

### Sanding, Priming, and Painting

2-3 days (allows for drying time)

### Connections

2 days

### Assembling On Site

3 hours





# TEAM

## **Fridge Coordinators and Founders:**

Abigail Magallanes  
Kennedy Mitchell  
Donovan Brown

## **Design Team**

Jessica Chang  
Ashley Chang  
Sharon Turek

## **Project Manager**

Jessica Chang

## **Construction and Fabrication**

Jessica Chang  
Caitlin Baiada  
Jake Weldon  
Sam Tannenbaum  
Ashley Chang  
Zach Crocker  
Bill Zahurak  
Maria Cardenas  
Melissa Cataldo  
Sharon Turek  
Donovan Brown  
Alric Van

## **Photography and Videography**

Evan Koester





**EHRlich YANAI RHEE CHANEY**  
A R C H I T E C T S

**LA** 10865 Washington Boulevard | Culver City | CA 90232 | 310 838 9700

**SF** 60 Brady Street | San Francisco | CA 94103 | 415 578 9797