



COMMUNITY COOKHOUSE

food preparation in Seattle's homeless community

BE 404/505 DESIGN/BUILD STUDIO-SUMMER 2018

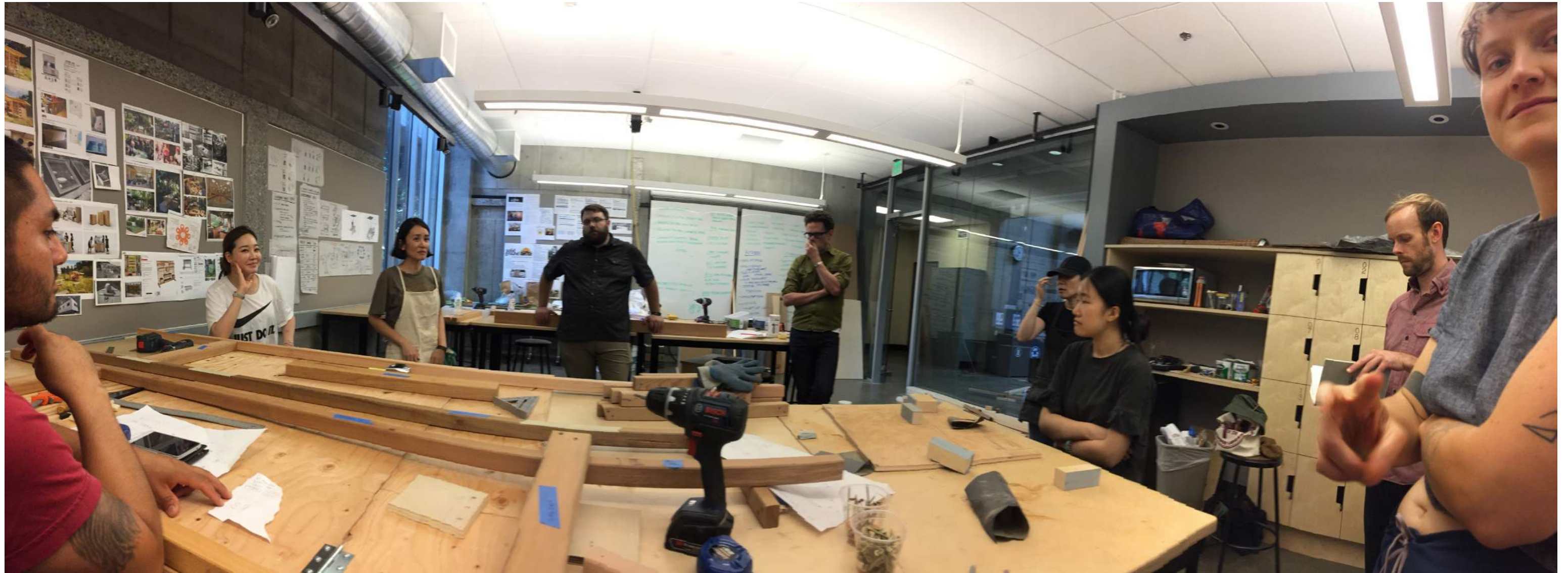
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1.Introduction

1.Introduction

1.1. About Studio



We are an interdisciplinary built environments graduate studio, with students from landscape and architecture. The studio began with the desire to create a mobile, community cookhouse that could connect with efforts to address homelessness in our city. Food is something we all share, that brings us together, no matter our life situation or level of privilege.

Instructors

Mike Freeman (JAS Design Build)
 Greg Squires (Cone Architecture)
 Jake Labarre (Miller Hull)

Students

Will DeVault-Weaver (M.Arch&MSRE)
 Jiang Junjie (M.Arch 3-year)
 Guanzhou Ji (M.Arch 2-year)
 Nina Mross (M.Arch&M.LA 3-year)
 Jiyoung Park (M.LA 2-year)
 Ya-Chi Kao (M.Arch 3-year)
 Nathan Altenberg (M.Arch 3-year)
 Chiaki Tanaka (M.Arch 3-year)

Studio Period

Jun 18th, 2018- Aug 16th, 2018

1.Introduction

1.2. About Project

The BLOCK Project is an innovative program created by architects Jenn and her father Rex. Built on the idea that inequality and mistrust are exacerbated by physical and emotional separation, the BLOCK Project introduces an integrated, community-driven solution for homelessness.

Their vision is to build a BLOCK Home in the backyard of one single-family lot on every residentially zoned block within the City of Seattle. The sustainable, dignified homes are 125 square foot, off-grid, and super-efficient, completely built by volunteers with donated materials and expertise, panelized and then constructed on site over about 2 weeks. In this model, everyone has skills or resources they can contribute.

So, what are our skills we can contribute? How can we give back?

What the BLOCK Project needs is a mobile, pop-up set that can be used for volunteer parties, outreach, and events. The site can be almost anywhere in Seattle – a backyard, a right of way, a parking spot, so it should move easily, by people power. It will have a gathering table, a shelter, a cook and prep space, and interactive outreach and storytelling elements.

To meet this need, we created COOKOUT

Cookout is a simple, lightweight, mobile kitchen set that creates connections across boundaries by supporting the BLOCK Project's events and mission. Cookout is easy, clever and fun to use, and raises awareness about the BLOCK Project through messaging and interaction. It creates and strengthens community ties through cooking, eating, and gathering together in dispersed locations



Block Project, Picture from <http://the-block-project.org/the-block-project>

1. Studio Preparation

2. Studio Preparation

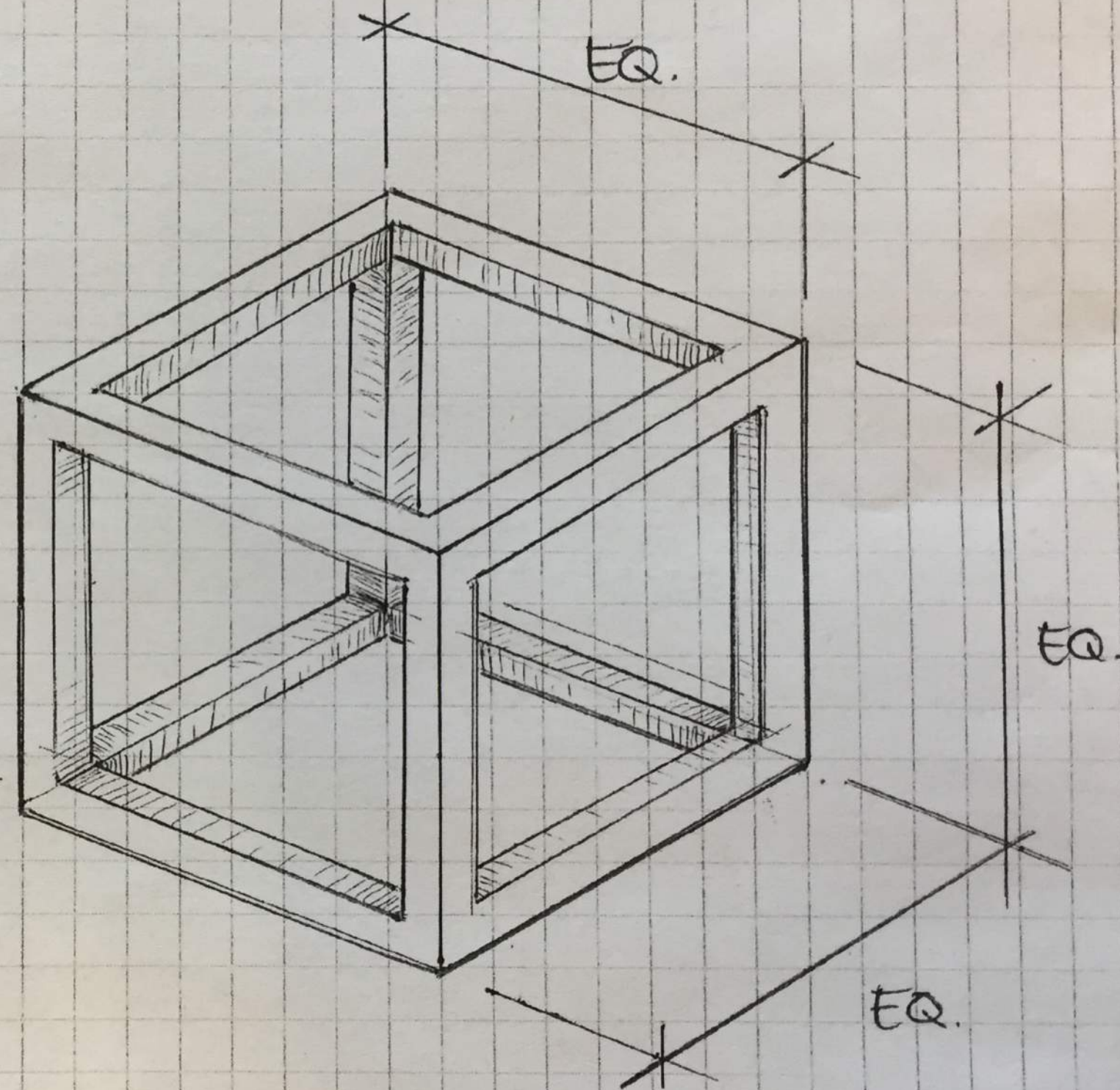
2.1. Touch Materials

DESIGN / BUILD / CUBE

Design and build a cube, equal in length, height, and width using wood components with as much, or as little, hardware as you see fit.

- Before beginning to construct, use sketches and diagrams to illustrate your components and connections. Concept must be approved before construction.
- Manufacture 12 separate pieces out of two (2) 8ft 2x4s using shop tools, power tools and hand tools.
- Assemble your cube and present it to the class.
- Do not throw away any scraps or cut offs.

UW DESIGN/BUILD SUMMER STUDIO 2018





Chiaki Tanaka



Ya-Chi Kao



Guanzhou Ji



Nathan Altenberg

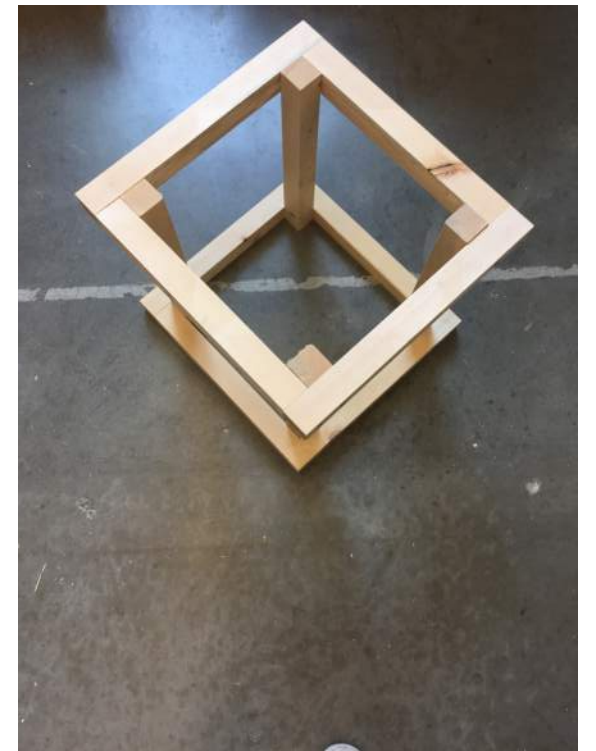




Jiang Junjie



Jiyoung Park



Nina Mross



Will DeVault-Weaver



2.Studio Preparation

2.2. 10 dollar Shelter





3. Design&Build

3.Design&Build

3.1. Case Study



Case Study on Kitchen, Community Space, Moveability




Case Study on Non-Profit Organization

MOBILITY

- WHEELS/TRAILER
- ANTI-TRETT
- SKIS
- COLLAPSABLE/EXPANDABLE
- MODULAR
- MULTIPLE CONNECTION SOLUTIONS
- PACKABLE
- HORSES
- LIGHT WEIGHT
- BICYCLES
- LIFTABLE
- PEOPLE POWER
- FLEXIBLE MATERIALS
- DISMANTLES
- REPLACEABLE MATERIALS
- DRONES
- SIMPLE DESIGN
- DURABILITY

KITCHEN

- HANG OUT SPACE
- WORK SURFACES
- HEAT (POWER) (ENERGY)
- FIRE & WATER
- GRILL
- SINK / WASHING
- WASTE MANAGEMENT
- TRASH / COMPOST / RECYCLE / GREY WATER
- STORAGE / TOOL STORAGE
- DRY & COLD
- CUTTING / PREP SPACE
- WINDOWS
- LIGHT / NAT. LIGHT
- ROOF / SHELTER
- VENTILATION



COMMUNITY SPACE

- PLACES TO SIT
- TABLES
- ACCESSIBILITY
- GATHERING SPACE
- PARKING
- PROGRAM / PURPOSE
- CENTRAL LOCATION
- SAFETY
- INCLUSIVE SPACES
- LOCABLE GEAR LOC.
- ACCESS, SIZE, ETC.
- ENVIRONMENTAL COMFORT
- DESTINATION / DRAW
- W/FI
- PLACE MAKING
- RELATABLE
- SHELTER
- POWER
- CUSTOMIZATION / FLEXIBILITY
- USER APPROPRIATION
- DURABILITY
- BEACON
- IMPERMANENT / TEMP.

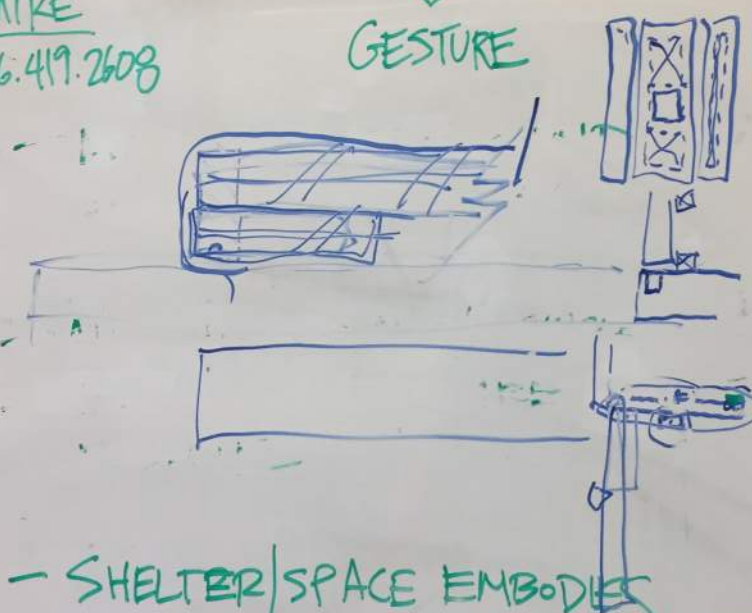
Case Study on Kitchen, Community Space, Moveability

CORE COMPONENTS

- BEACON, FUNCTION, STRUCTURE
- MATERIAL, TEXTURE, JOINT DESIGN
- INCLUSIVE SHELTER / GATHERING SPACE
- COMMUNITY CONNECTION. BRIDGE BETWEEN BLOCK PROJECT & NEIGHBORHOOD

MIKE
206.419.2608

GESTURE



NINA: STYLING, MATERIAL SOURCING, ORGANIZATIONAL COMPONENTS

JUNJIE: STRUCTURE / JOINT

GUANZHOU: JOINTS + FULL SCALE MODEL


CHIAKI: COMPONENT CONCEPTS

WILL: CUTTING STUFF C+C EXPLORATION

YA CHI: WATER MANAGEMENT SOLAR POWER METABOLIC SYSTEMS

NATHAN: KITCHEN ELEMENTS

- SHELTER / SPACE EMBODIES
BLOCK PROJECT IDENTITY



Interest Pick-Up

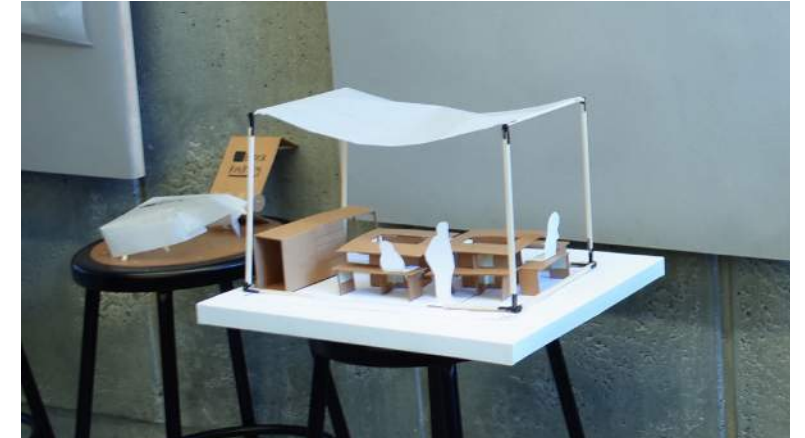
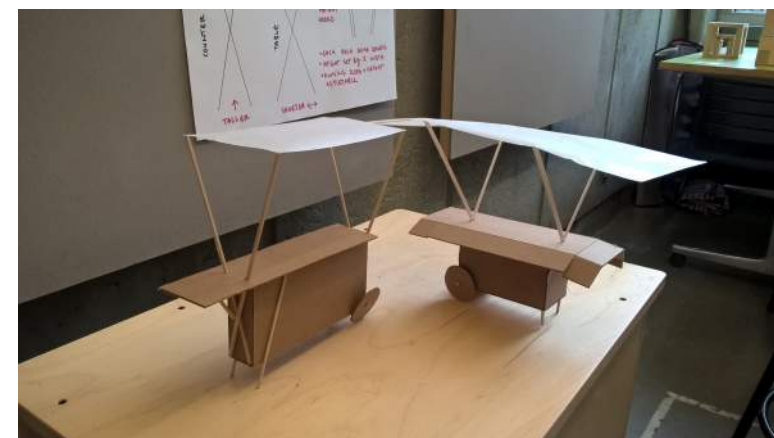
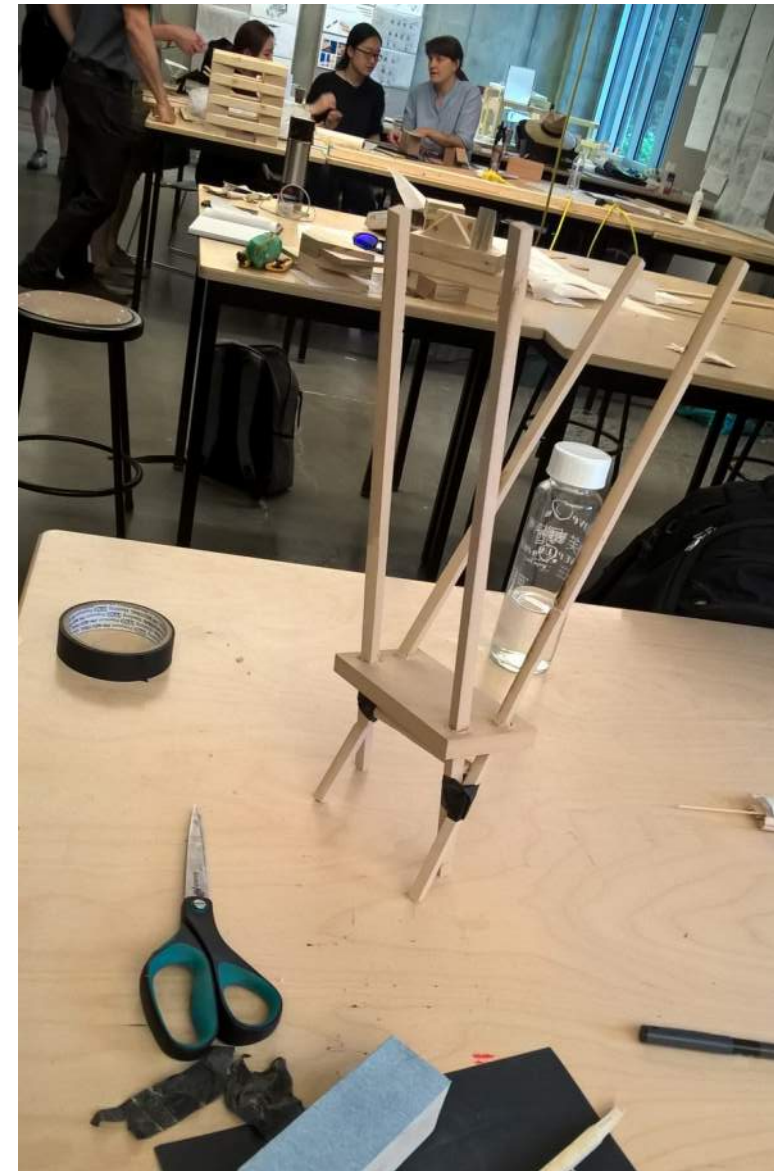
3.Design&Build

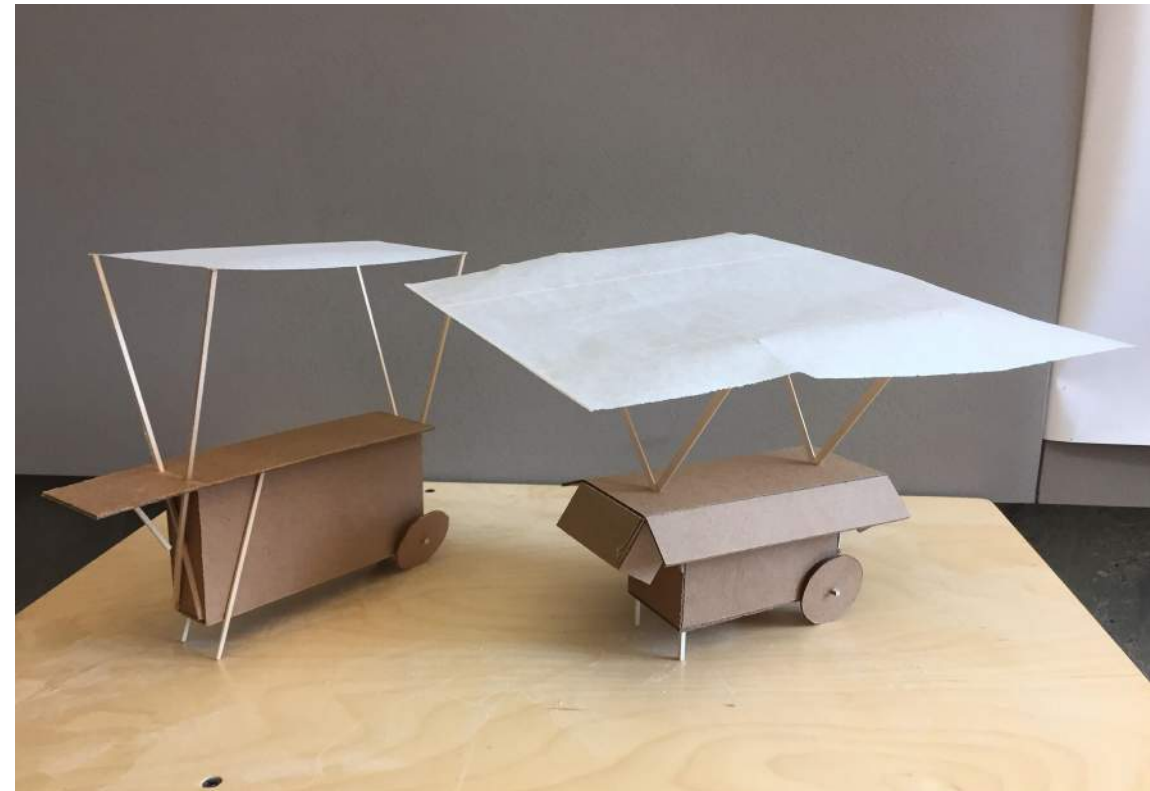
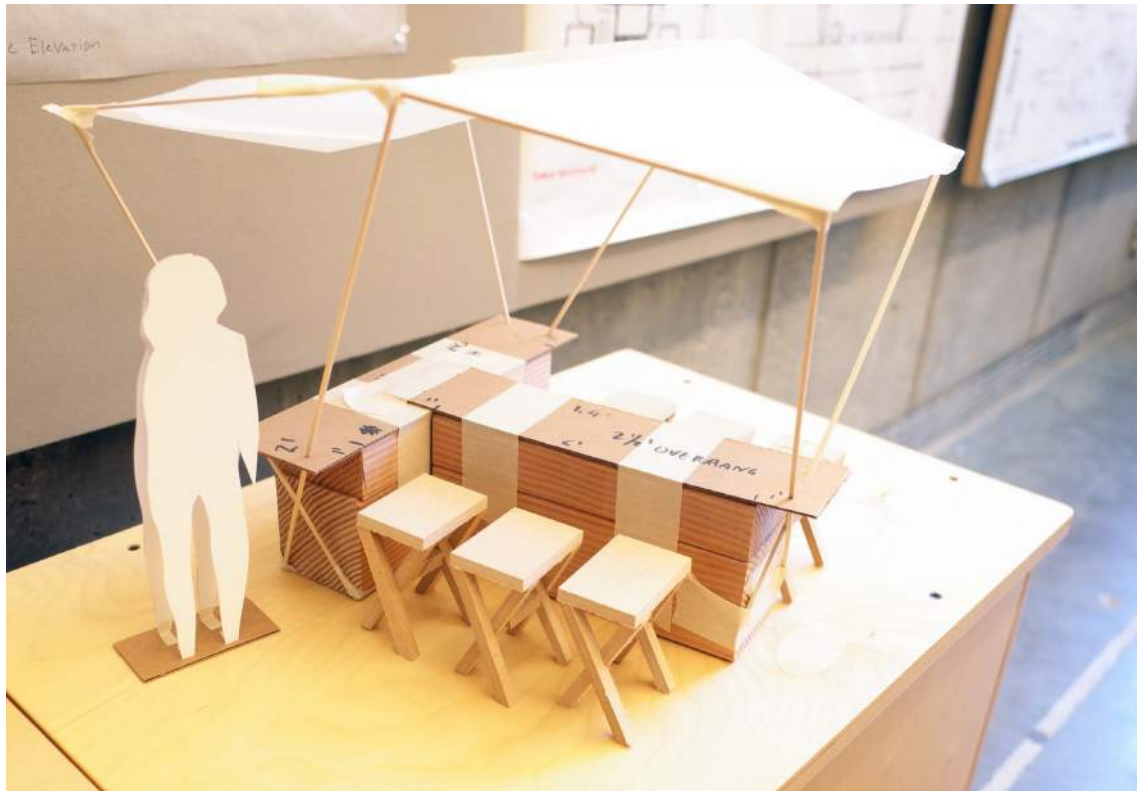
3.2. Brainstorming



3.Design&Build

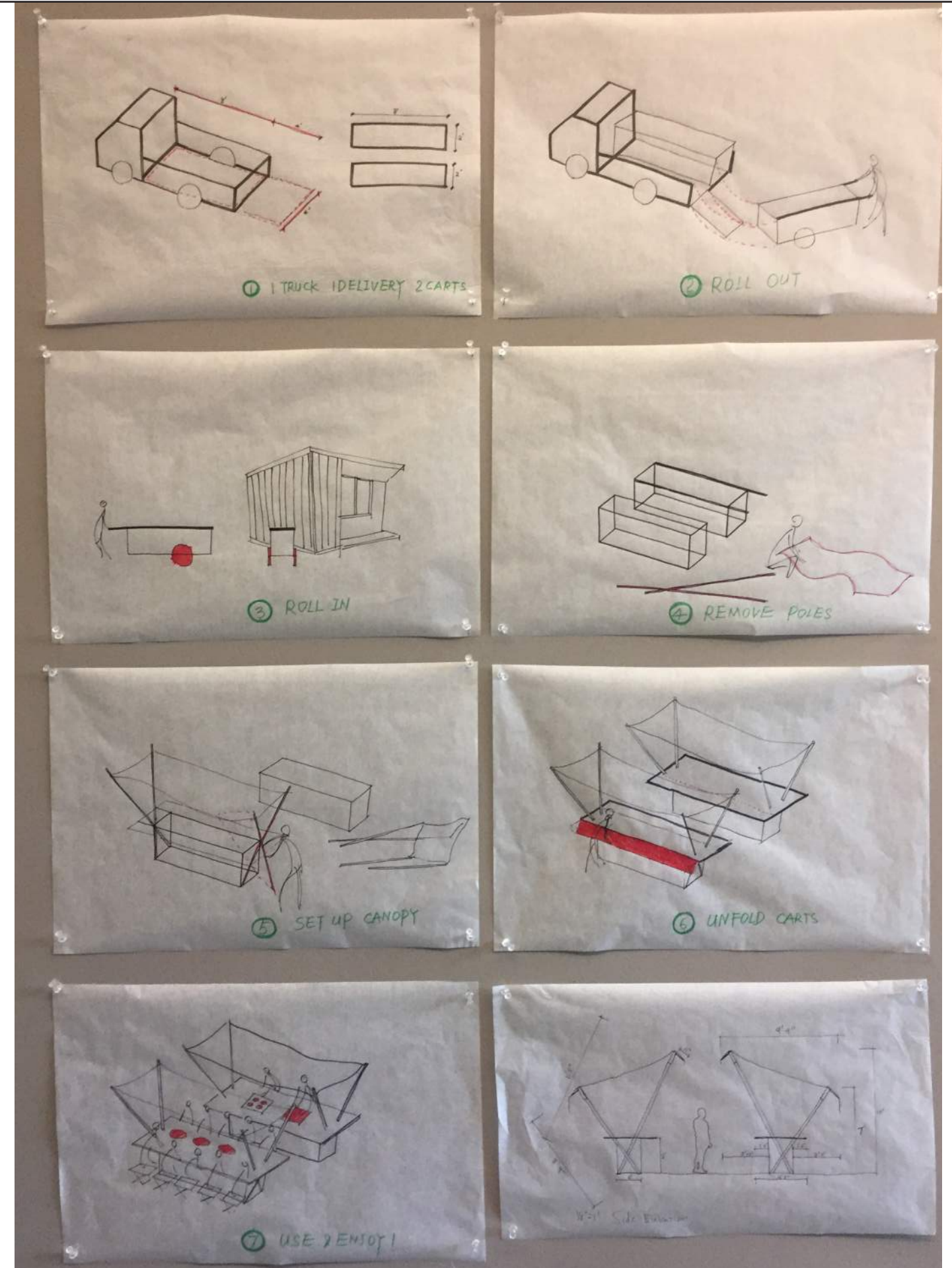
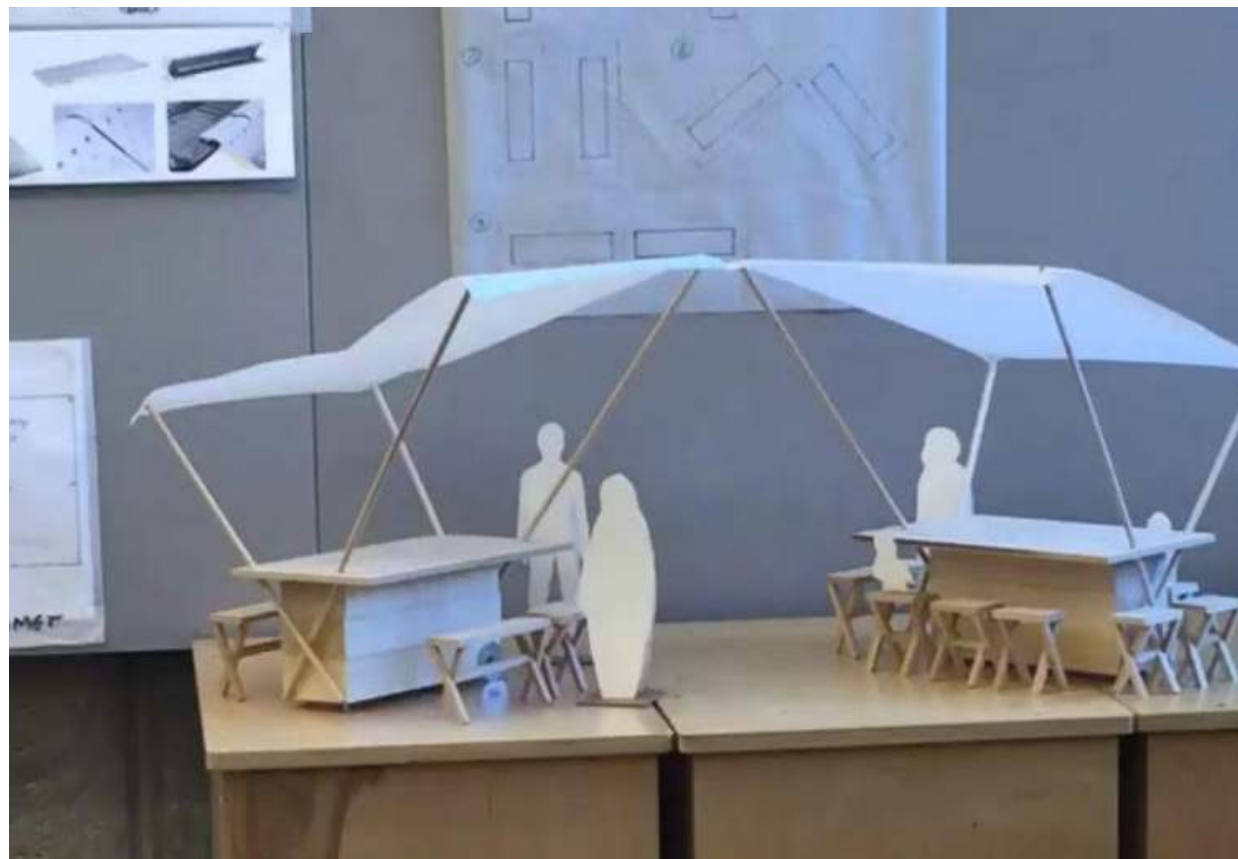
3.3. Group Discuss

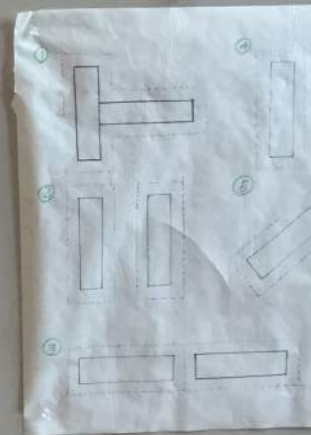
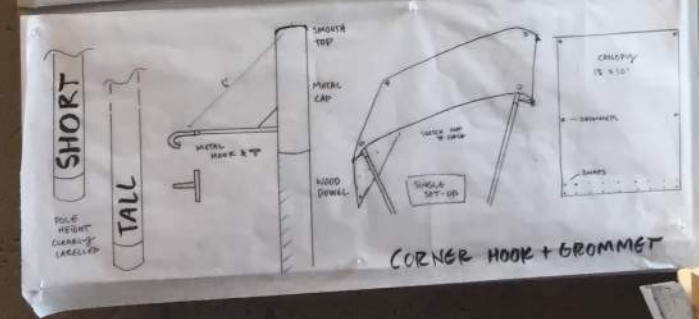
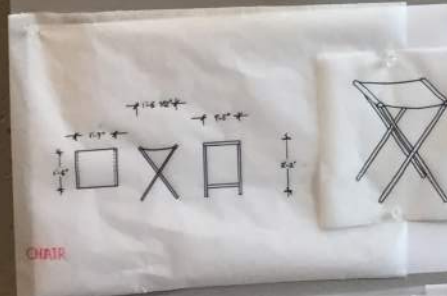
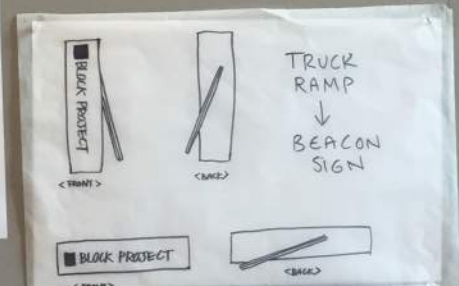
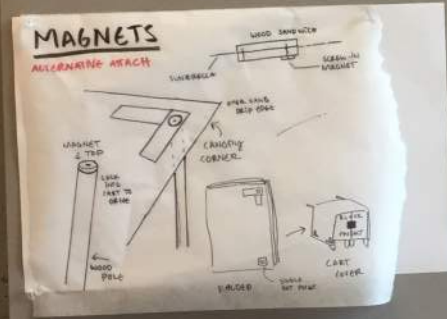




3.Design&Build

3.4. Mid-Term Review





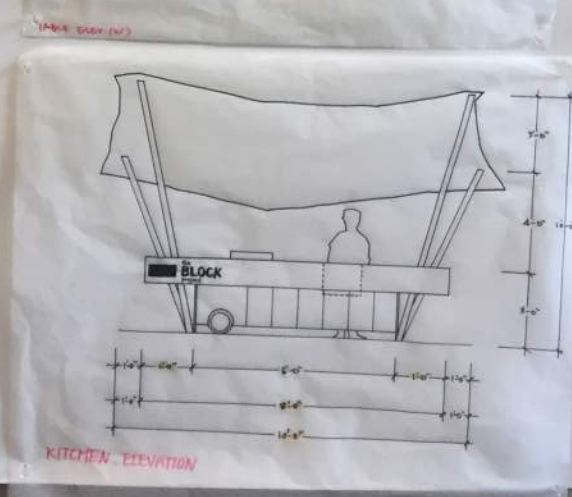
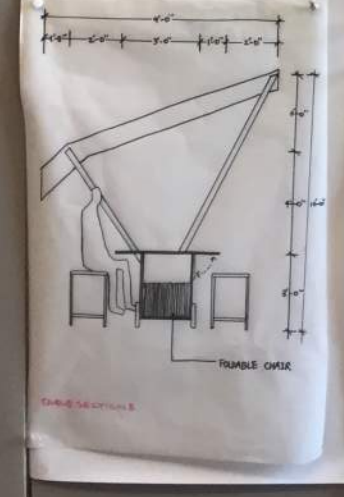
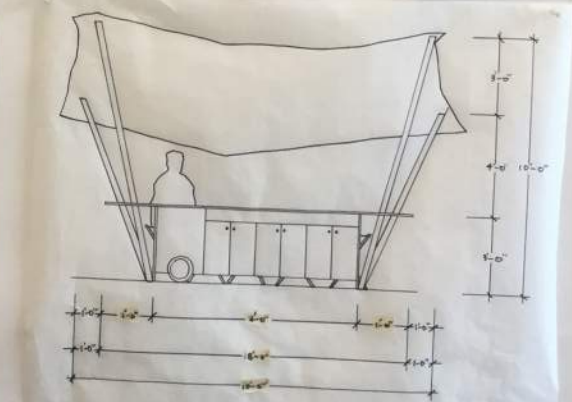
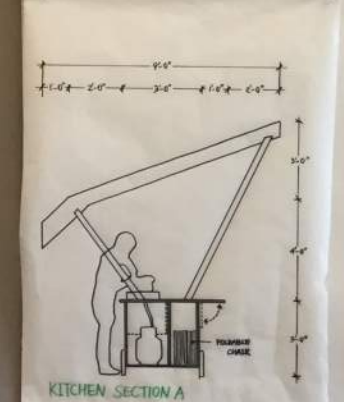
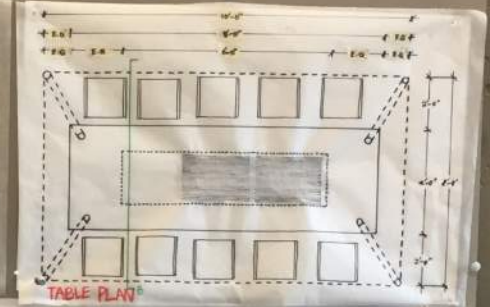
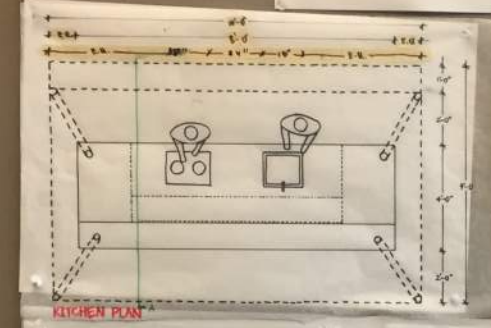
COOKOUT
MOVE • GATHER • COOK • EAT
CONNECTIONS ACROSS BOUNDARIES

PROGRAM
Mobile, gathering table, shelter, cook/prep space, storage, outreach & storytelling

VISION
Cookout is a simple, lightweight, mobile kitchen set that creates connections across boundaries by supporting the BLOCK Project's events and mission.
Cookout is easy, clever and fun to use, and raises awareness about the BLOCK Project through messaging and interaction. It creates and strengthens community ties through cooking, eating, and gathering together.

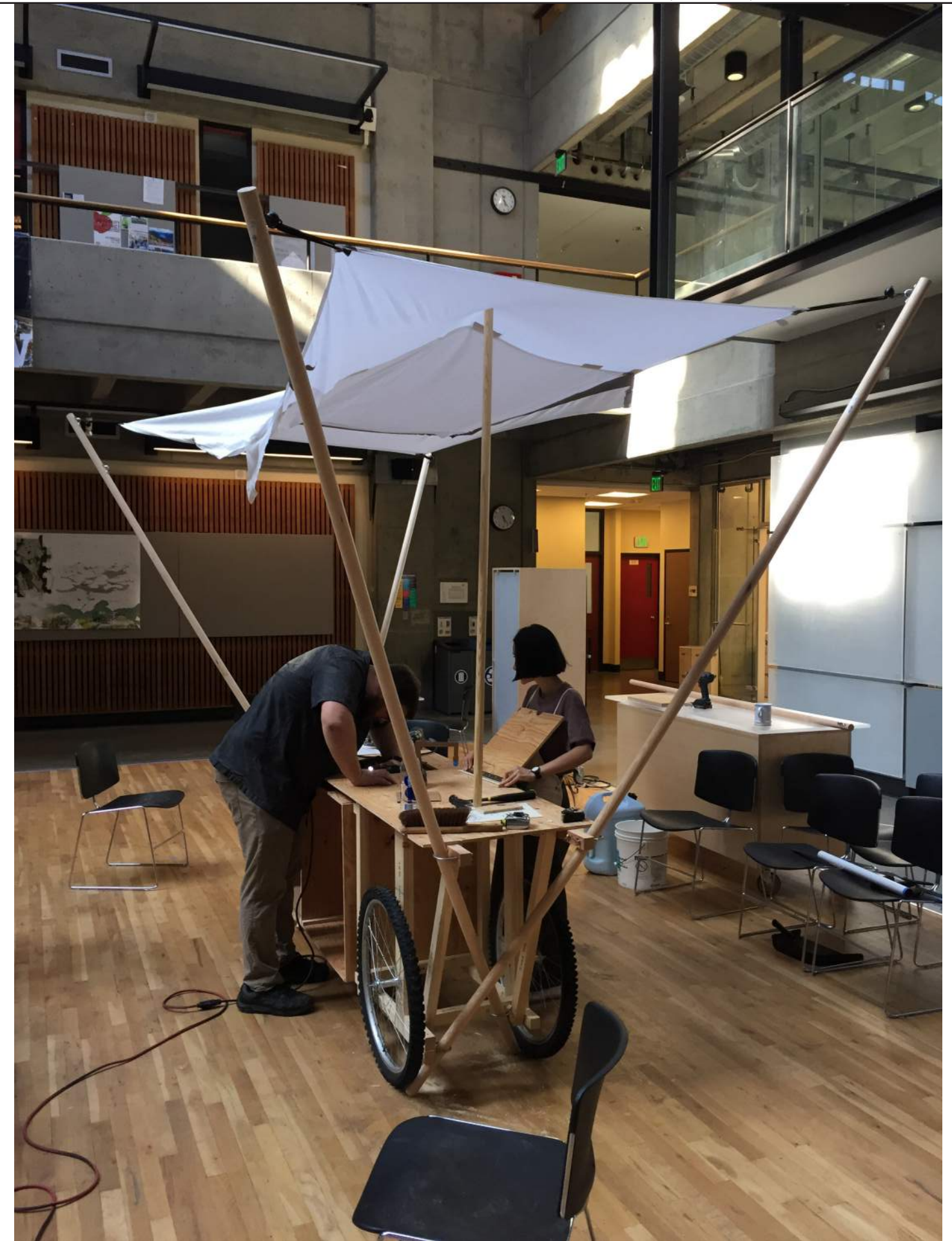
DESIGN ELEMENTS

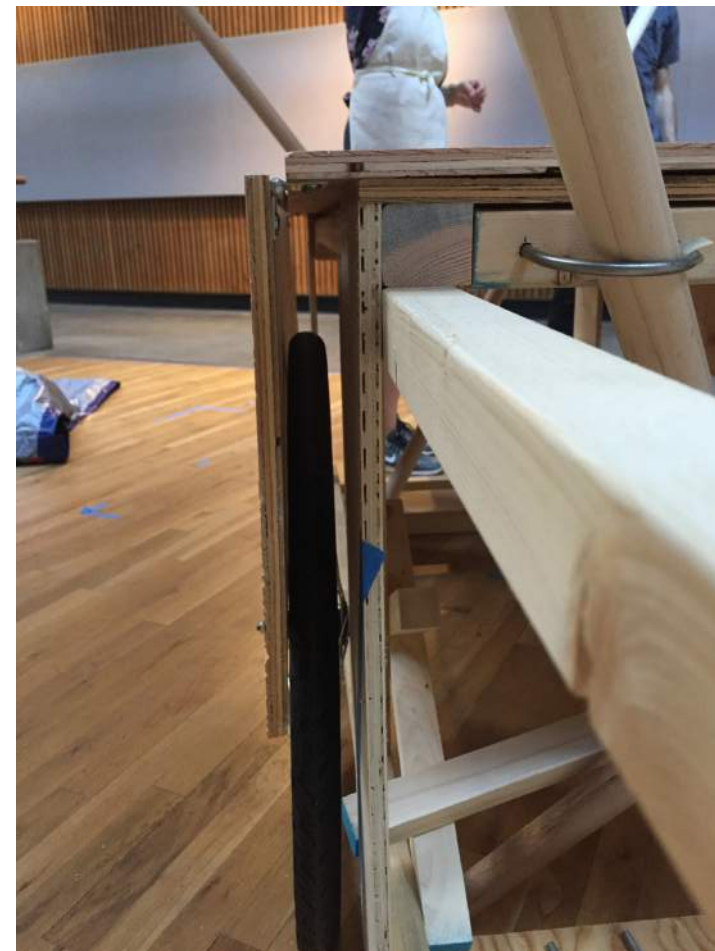
- One truck, one delivery
- 1-2 Person setup
- Fits 10 people
- Flexible and expandable
- Minimized size and weight
- Durable, easy to repair / maintain
- Maximize re-purposed materials
- Represents BLOCK Project mission



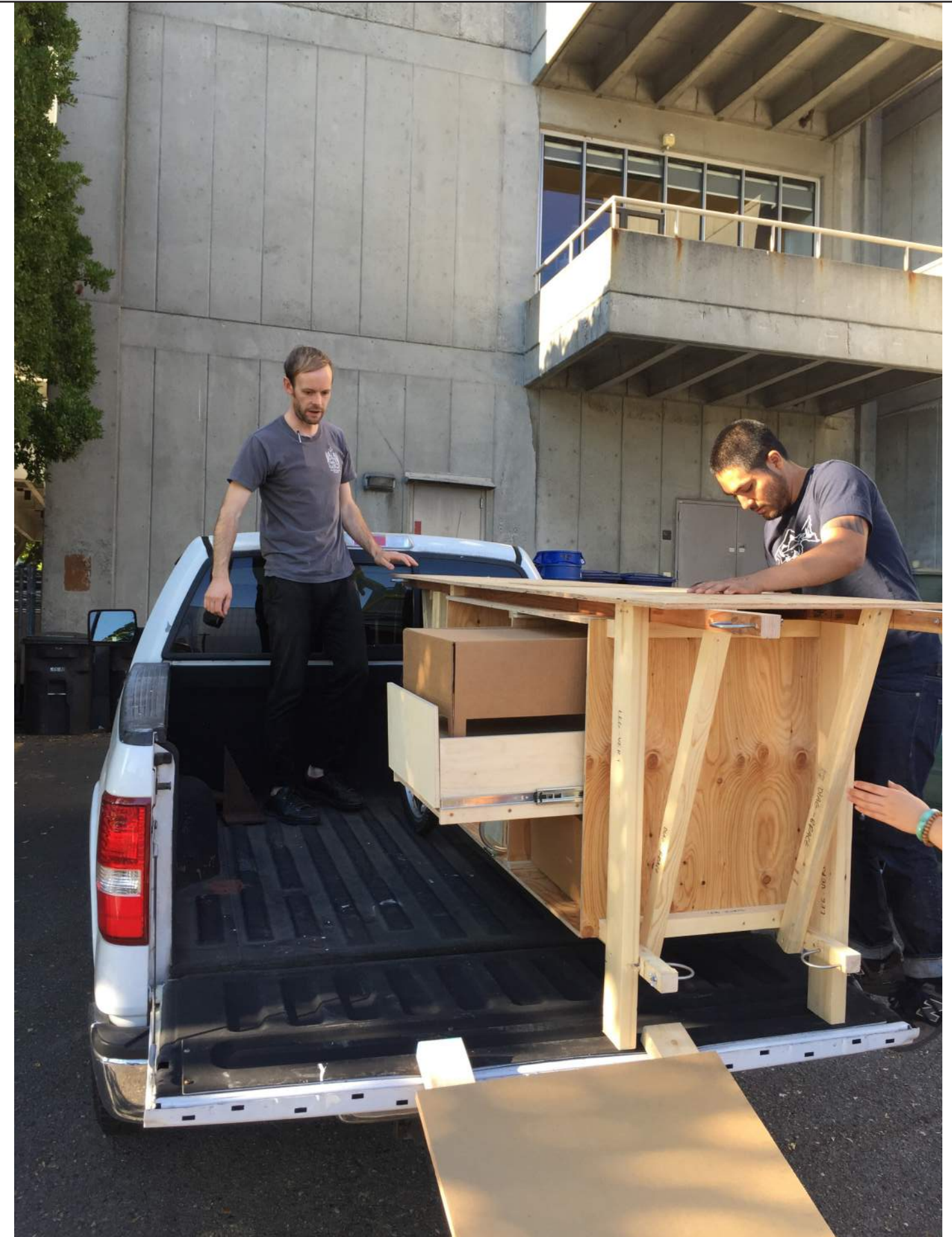
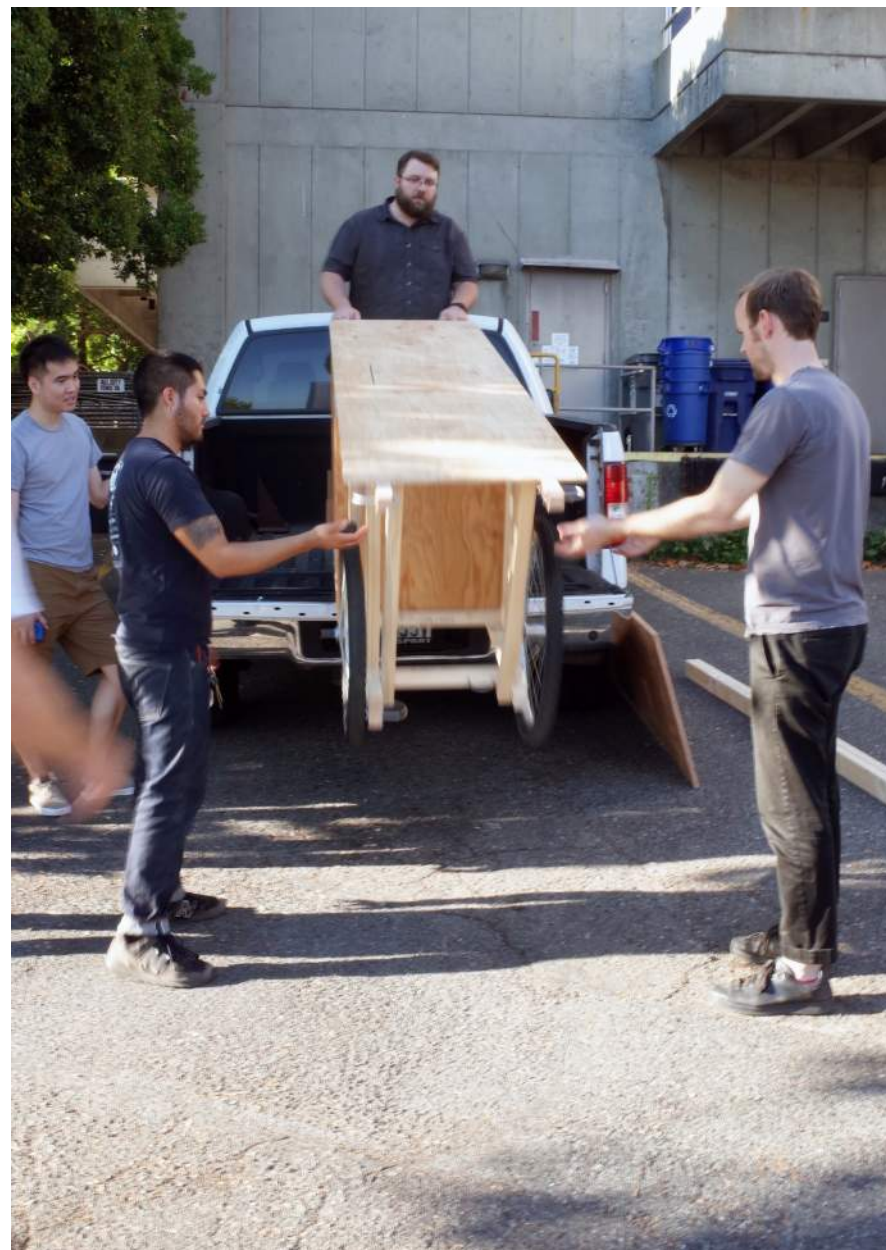
3.Design&Build

3.5. 1:1 Mock-up



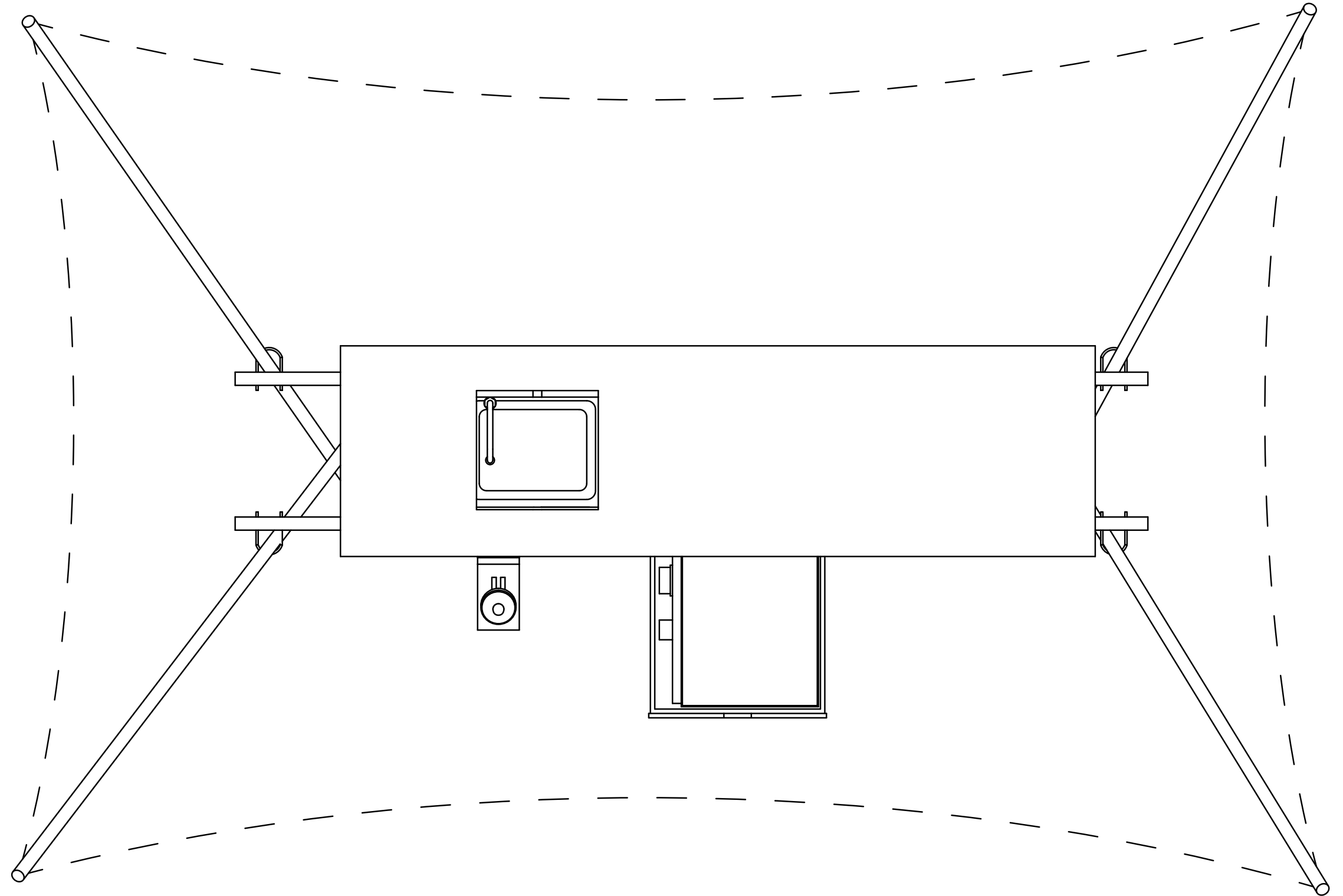




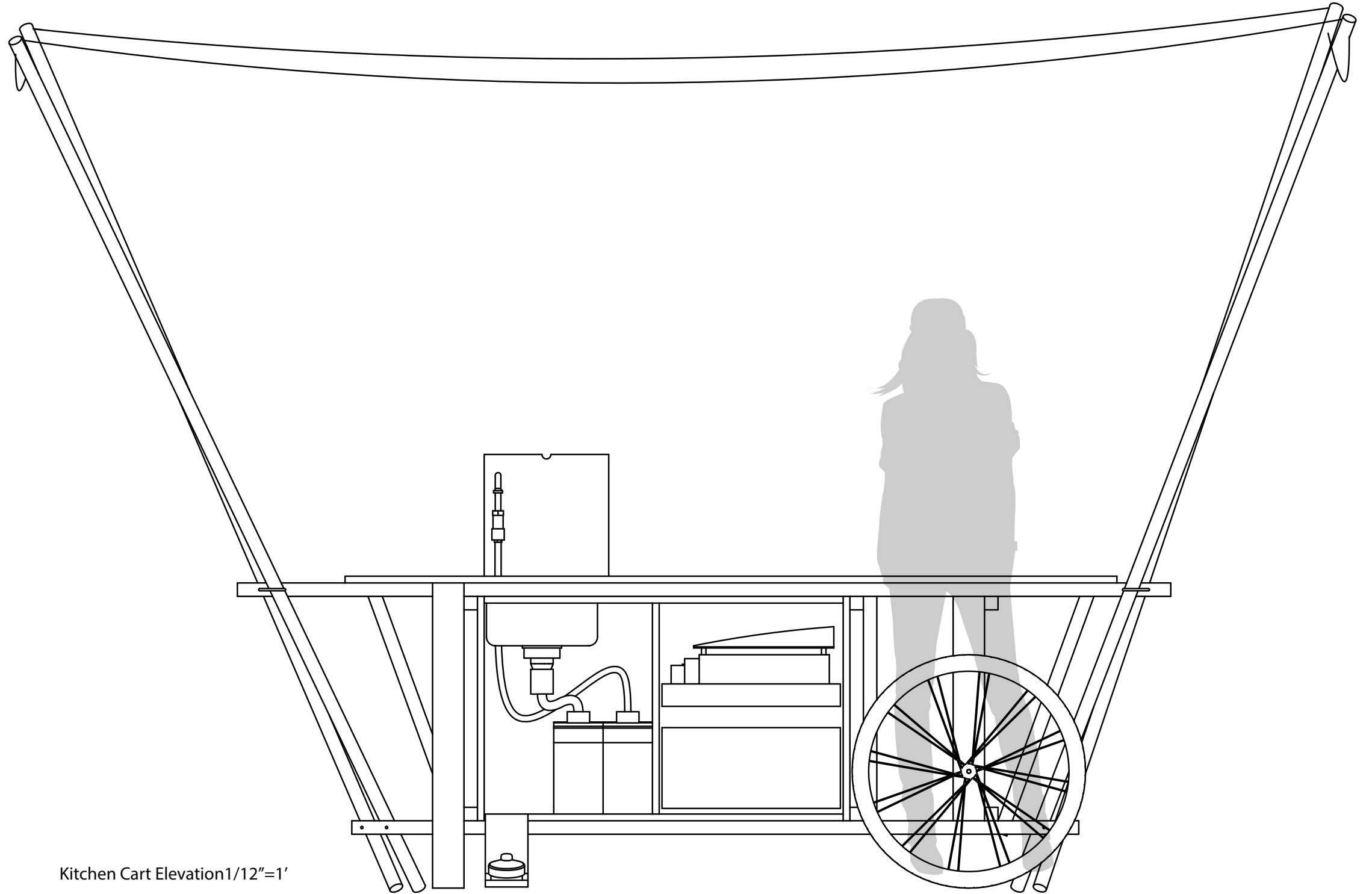


3.Design&Build

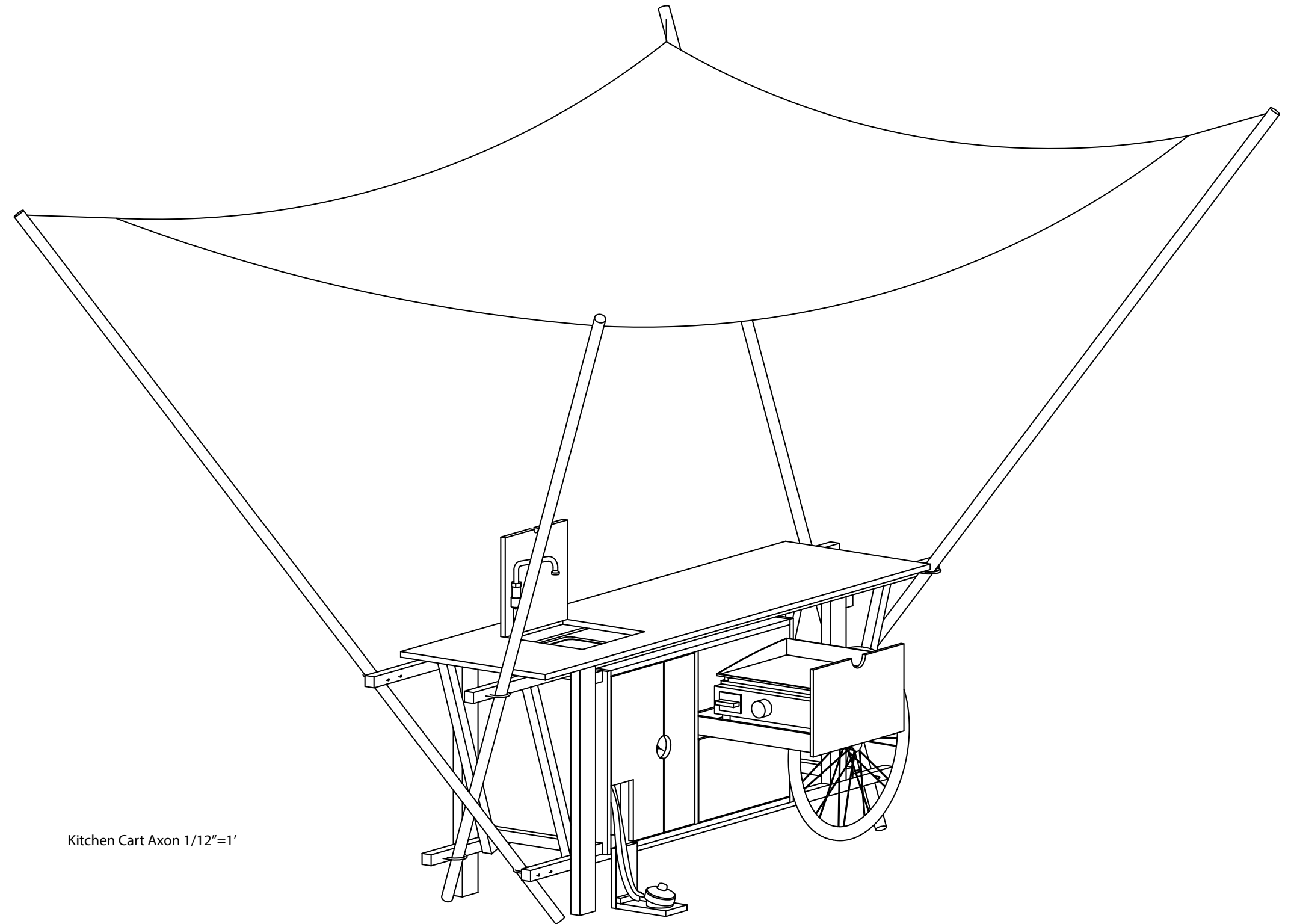
3.6. Final Tecnical Drawing



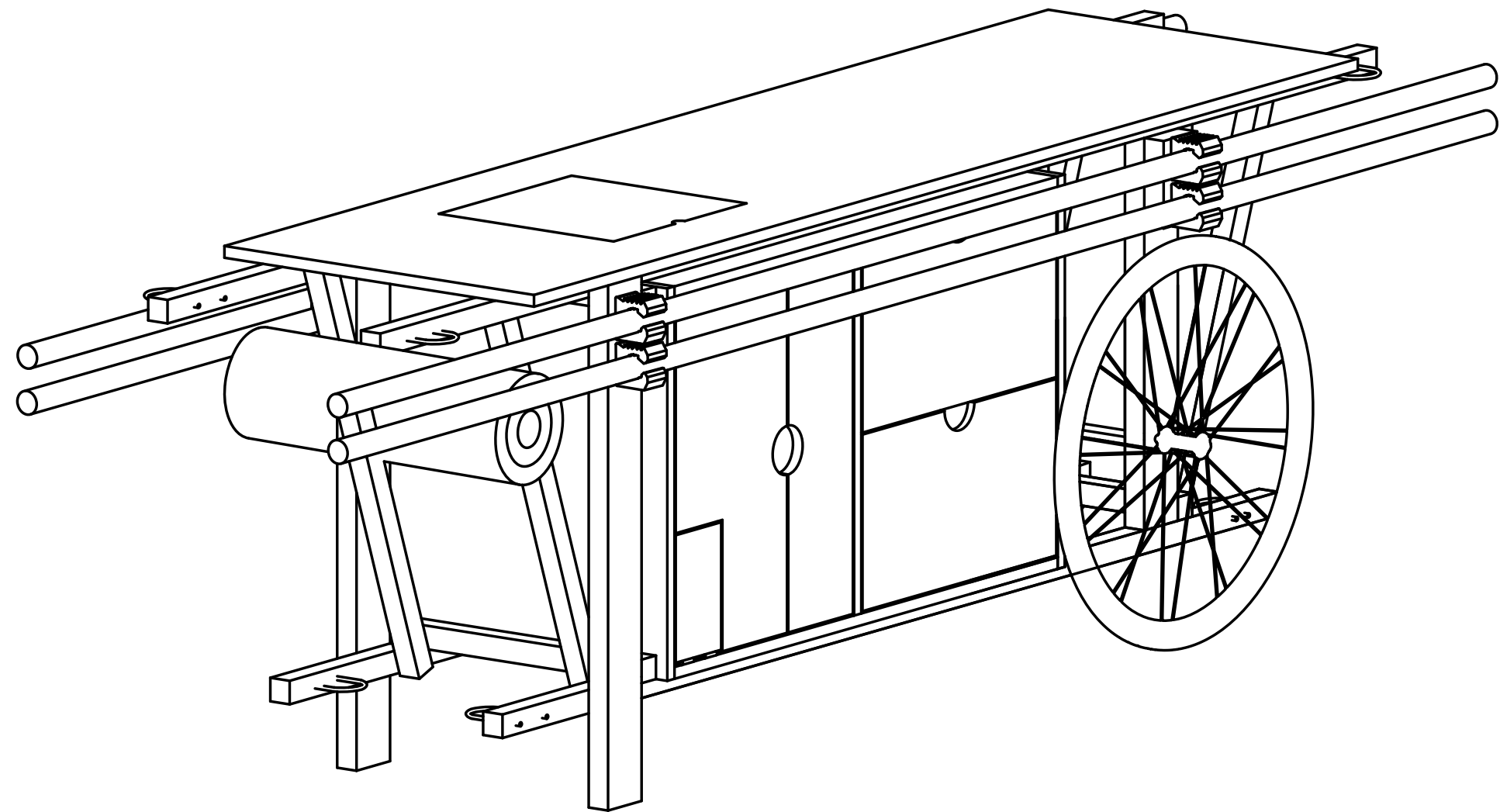
Kitchen Cart Plan 1/12"=1'



Kitchen Cart Elevation 1/12"=1'



Kitchen Cart Axon 1/12"=1'



Kitchen Cart Travel Mode 1/12"=1'

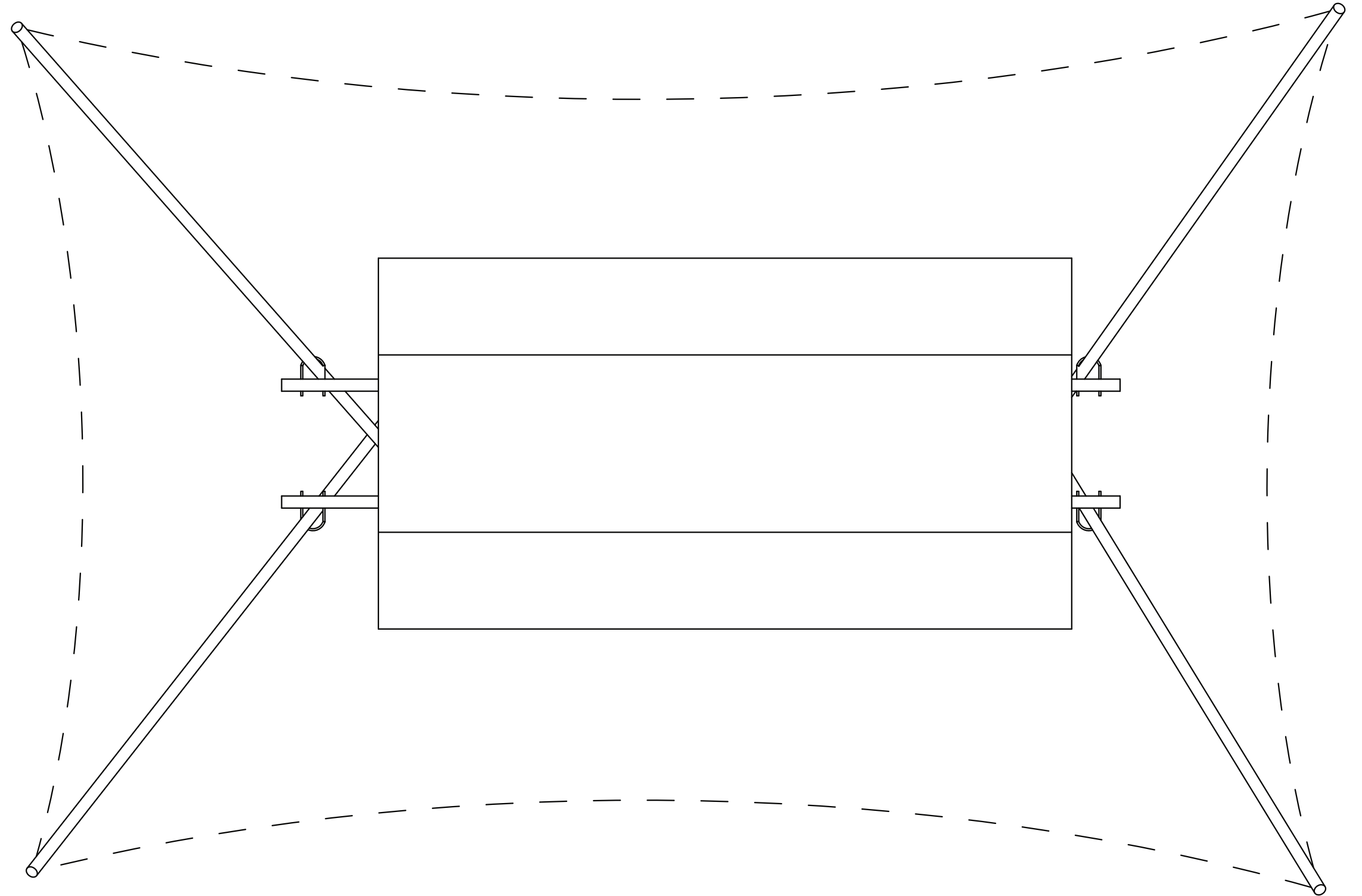


Table Cart Plan 1/12"=1'

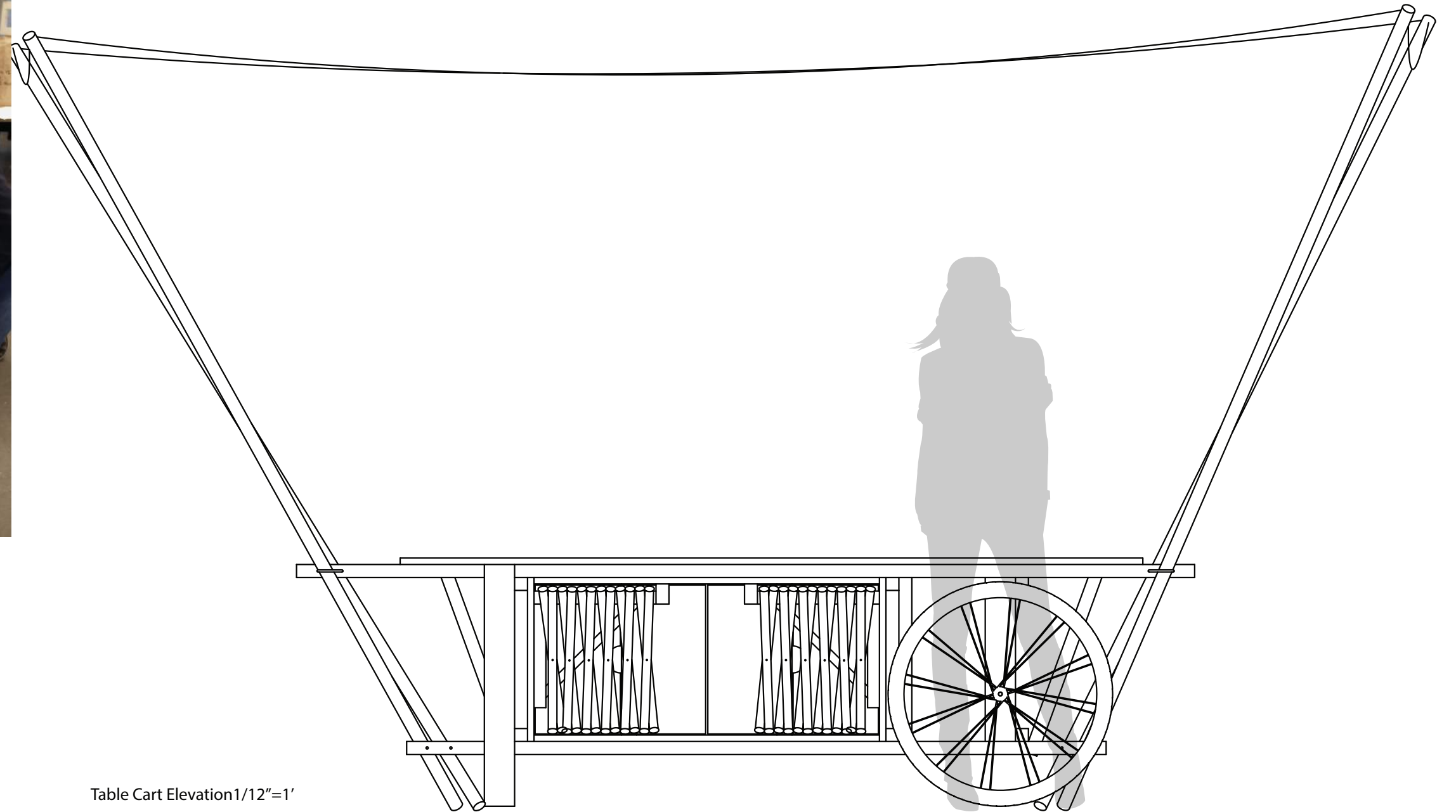


Table Cart Elevation 1/12"=1'

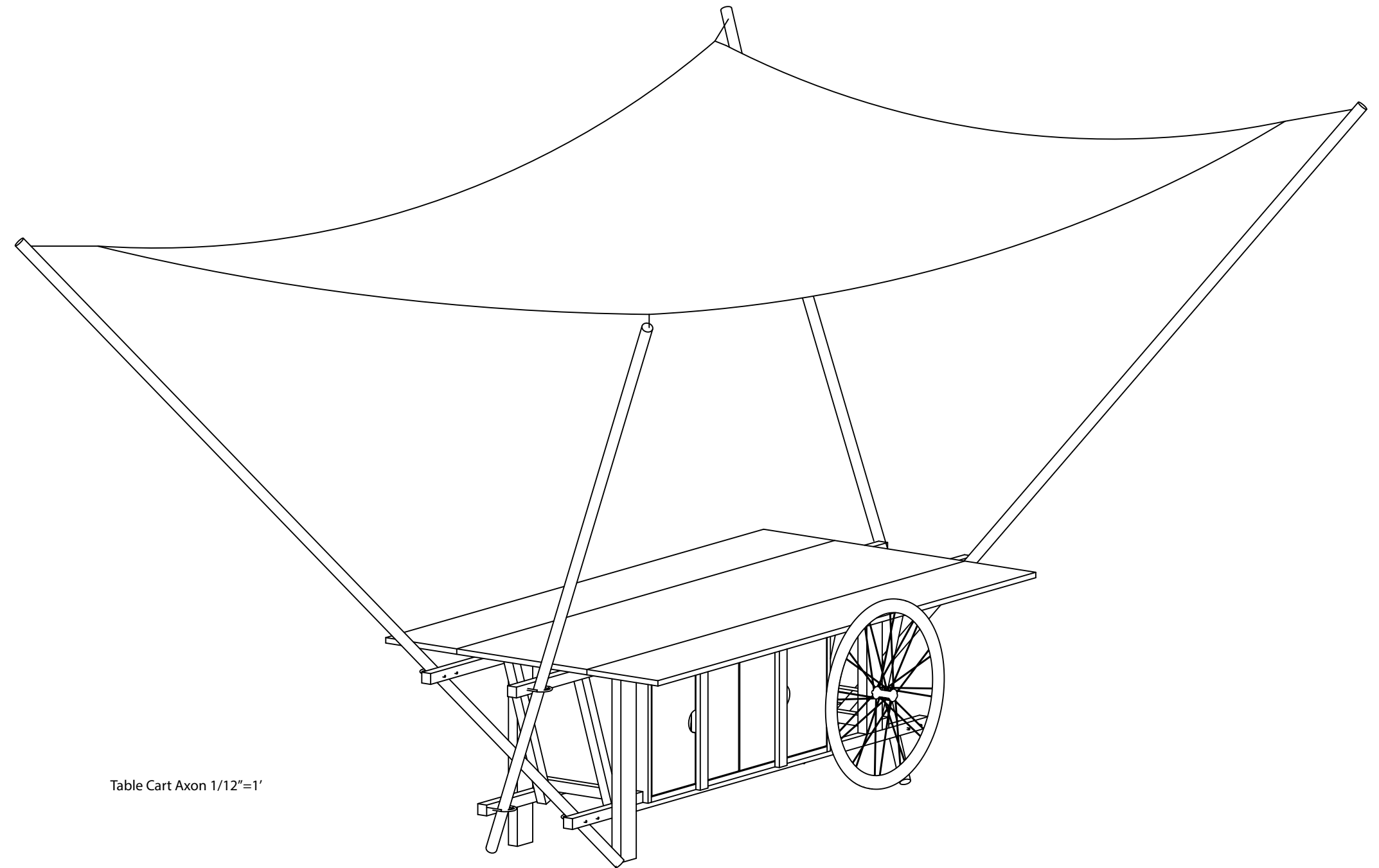


Table Cart Axon 1/12"=1'

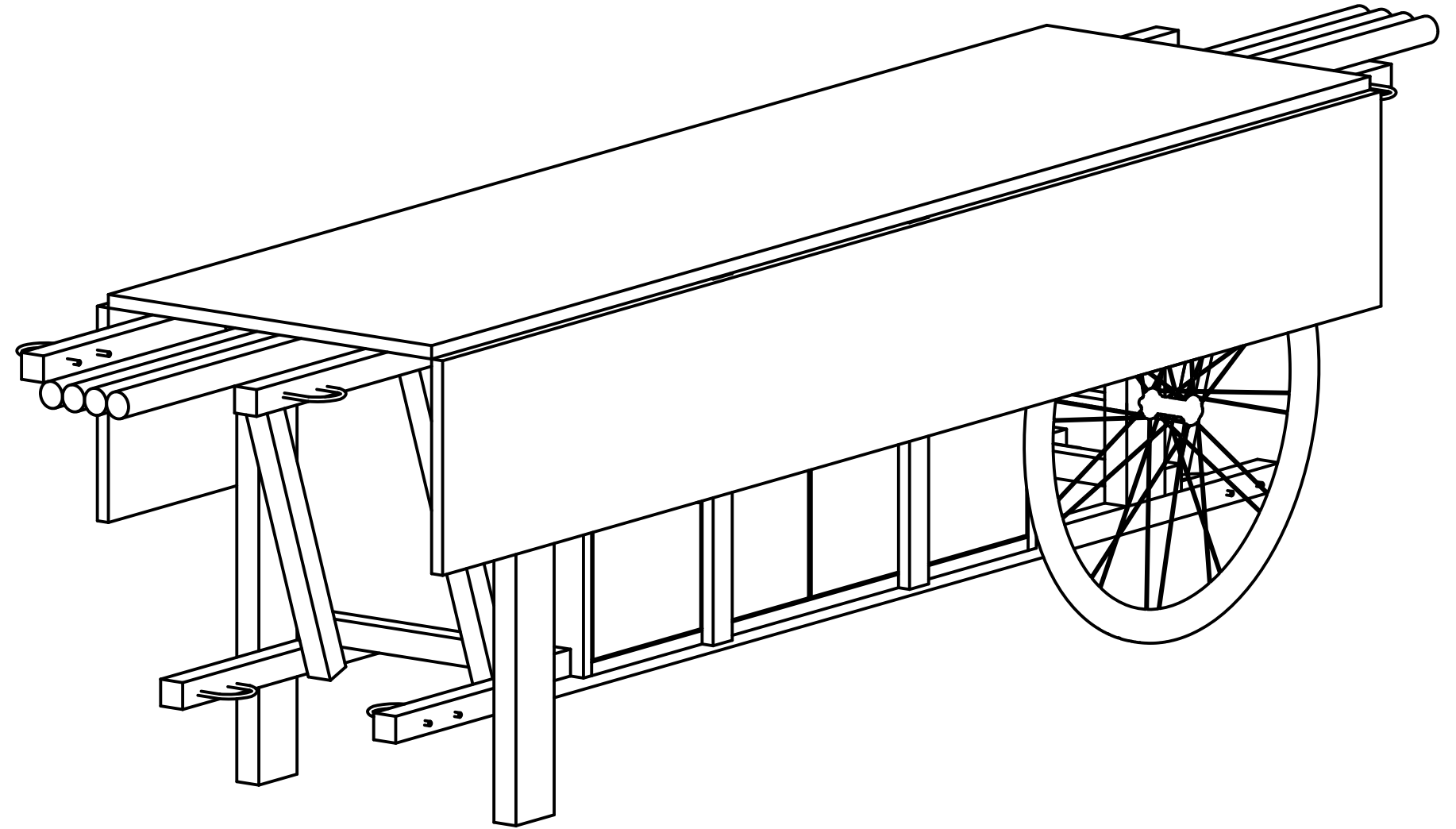


Table Cart Travel Mode 1/12"=1'

3.Design&Build

3.7. Final Making



PUNCH LIST - KNOWN ITEMS 2018/8/13

- PRE-LOAD PACK & SPARE PARTS PACK (CUTS) ORDER METERS, SPACERS, END CAPS - WING NUTS
- INSTALL WHEELS + AXLES - LOWER BUNGIES
- REASSEMBLE DINING CART - INSTALL DECALS/ICONS
↳ NEED 1/8 SHIMS ↳ PICK UP WEDNESDAY
- SINK LID ATTACHMENT & SUPPORT ↳ SCREWS FOR HINGE
- INSTALL CHAIR RACKS - RETURN EXCESS PARTS
- DESIGN/FAB/INSTALL CANOPY STORAGE - SEAL/PAINT AROUND SINK
SCRAPE/PREP ↳ PAINT EDGES OF SINK LID
- PAINT COUNTERTOP EDGES & INSTALL (INCL. SCREWS ON UNDERSIDE)
- ATTACH COUNTERTOP LEAVES (NEED HINGERS) (NEED 6)
↳ SET UP FOR DICE SUPPORT
- REASSEMBLE KITCHEN CART (DOORS, DRAWERS) & ACCESSORIES
- CUT & INSTALL PINS FOR BI-FOLD ASTRIGALS (KITCHEN POCKET)
- INSTALL FOOT PUMP
- INSTALL SINK DRAIN - CUT HOLE FOR FOOT PUMP PIPE
- INSTALL FACET - SEASON GRIDDLE
- INSTALL ALUM. ANGLE @ SINK. NEEDS TO CUT TO FIT & DRILL FOR WATER PIPE
- INSTALL SHEET METAL CAB FLOORS ↳ NEED SCREWS & WASHERS

PUNCH LIST - DESIGN ITEMS 2018/8/13

- POLE SLEEVES
- GARBAGE BIN (NEED BIN)
- POLE STORAGE (NEED BUNGIES)
- ACK PLAQUE
- ANY REMAINING PARTS/HARDWARE
- BRAKE SYSTEM? ↳ SINK STOPPER
↳ 3/4" PAN HEAD SCREWS FOR COUNTER
↳ HINGERS FOR TABLE LEAVES (4 1/4" SCREWS)
↳ STRAPS (WINA) & EYELET
Next Time

PUNCH LIST - PRESENTATION ITEMS

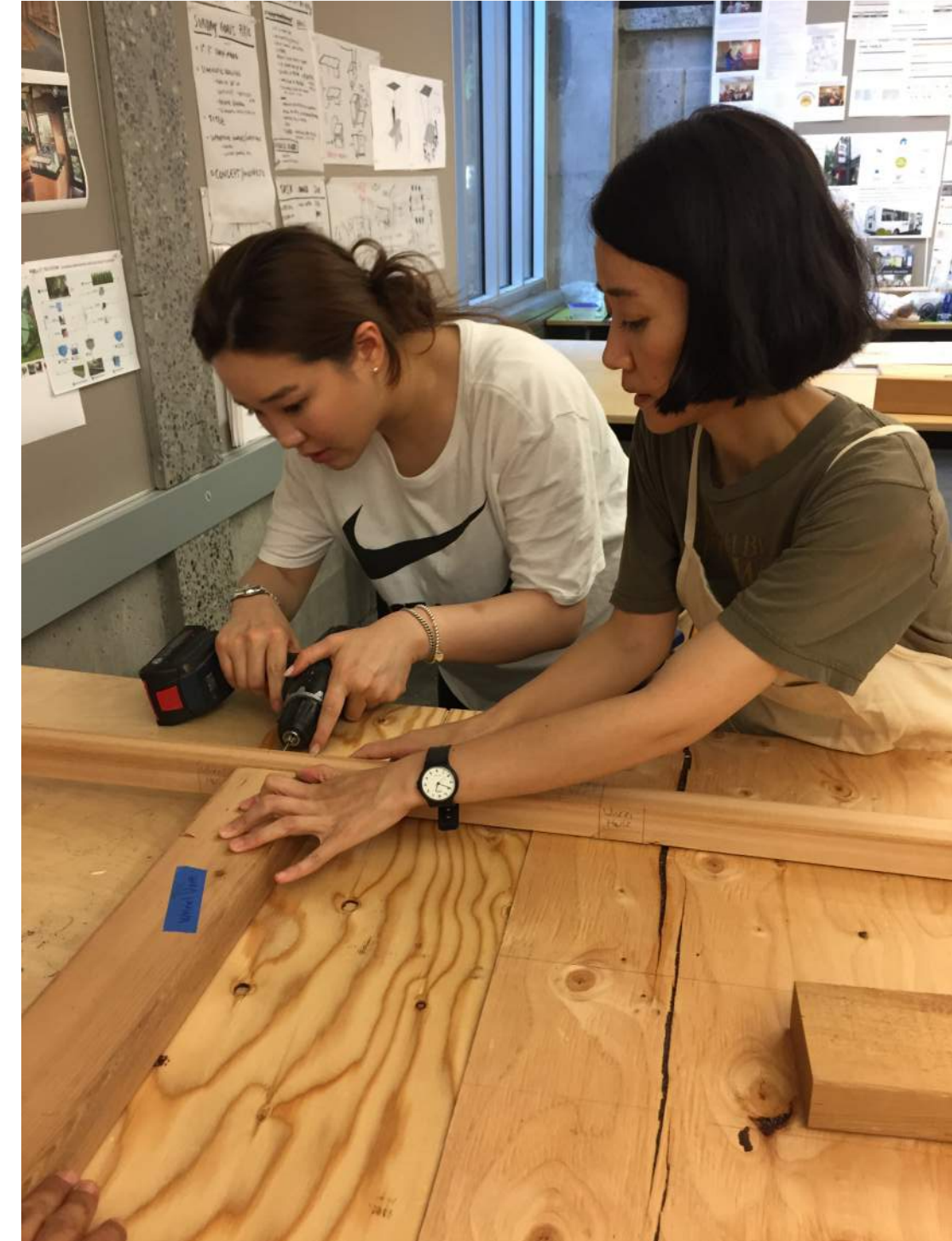
- FINAL DRAWING/PRINT - TEST CARTS
- INSTRUCTION BOOKLET
- PARTY PLAN/MENU/FUEL FOR GRIDDLE
- CURATE STUDIO PHOTOS/CREATE "DOCUMENT"

WE CAN DO IT!

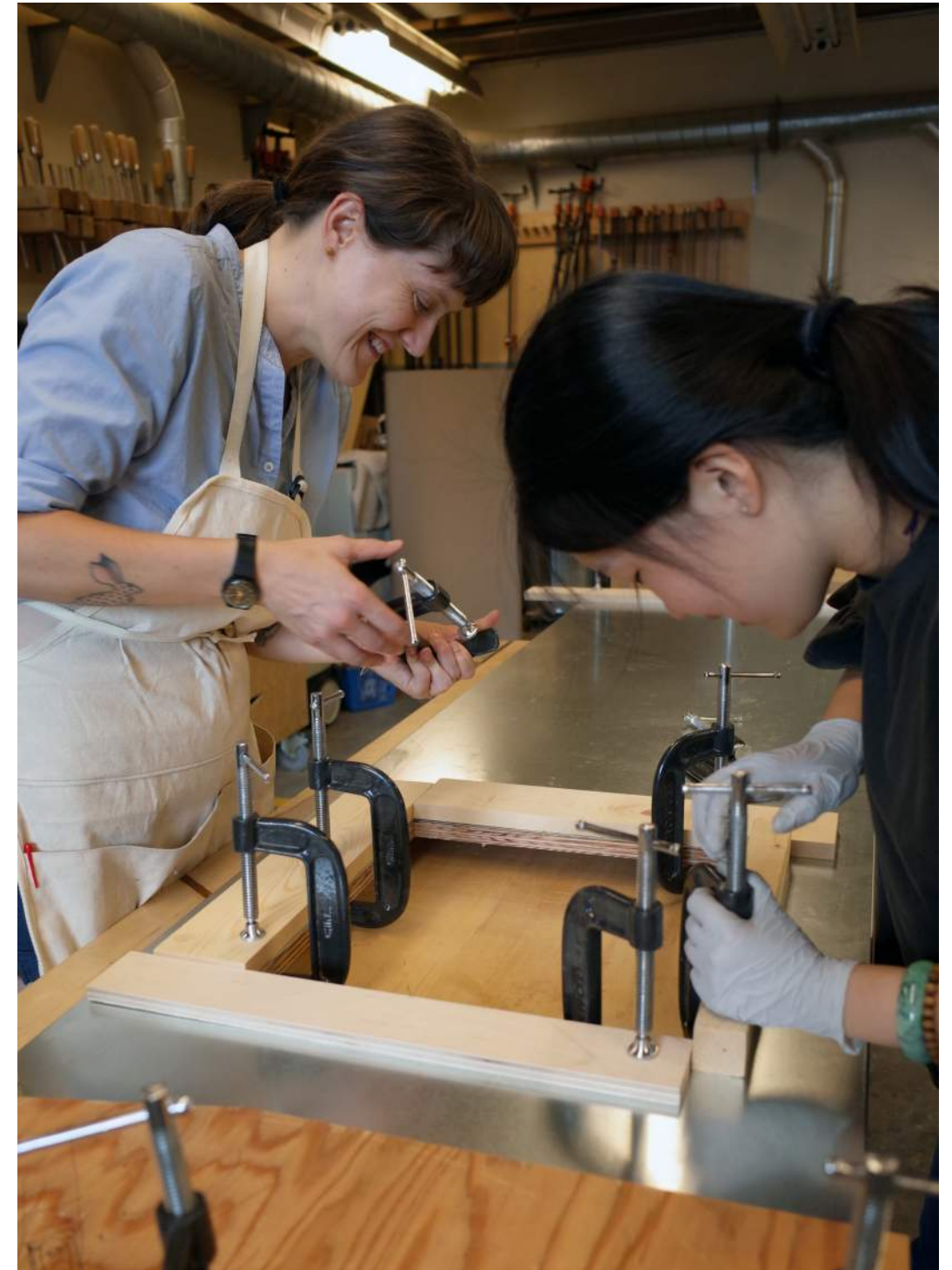
- PRE-LOAD PACK - NM
- INSTALL U-BOLTS - NM
- INSTALL WHEELS + AXLES NA
- FINISH CANOPIES - NM
- FINISH DINING CABINET NA, WDU
- FINISH + INSTALL COUNTERTOPS YC JJ
- SINK LID FINISH JJ, GJ
- ORDER + APPLY DECALS - NM
- PREP + SAND CABINETS JJ, YC, WDU
- PAINT + FINISH CABINETS WDU
- MAKE + PRINT PRESENTATION DRAWINGS
- INSTRUCTION BOOKLET WDU
- FOOT PUMP JJ, CT, GJ
- FAB + INSTALL DRAWER FRONTS + CAB DOORS JJ, YC
- CABINET FLOOR INSTALL NA
↳ FIT WITH FLOOR INSTALL JJ, CT
- SPARE PARTS PACK - NM
- ALUMINUM SINK FUNGE INSTALL
- INSTALL SINK JJ, CT
- INSTALL FAUCET JJ, CT
- KITCHEN POCKET JJ, CT
- CHAIRS - DECIDE + STORE YC
- CURATE STUDIO PHOTOS
- FINAL PARTS ORDER - NM
- HANDLES GJ, NA
- PARTY PLAN GJ

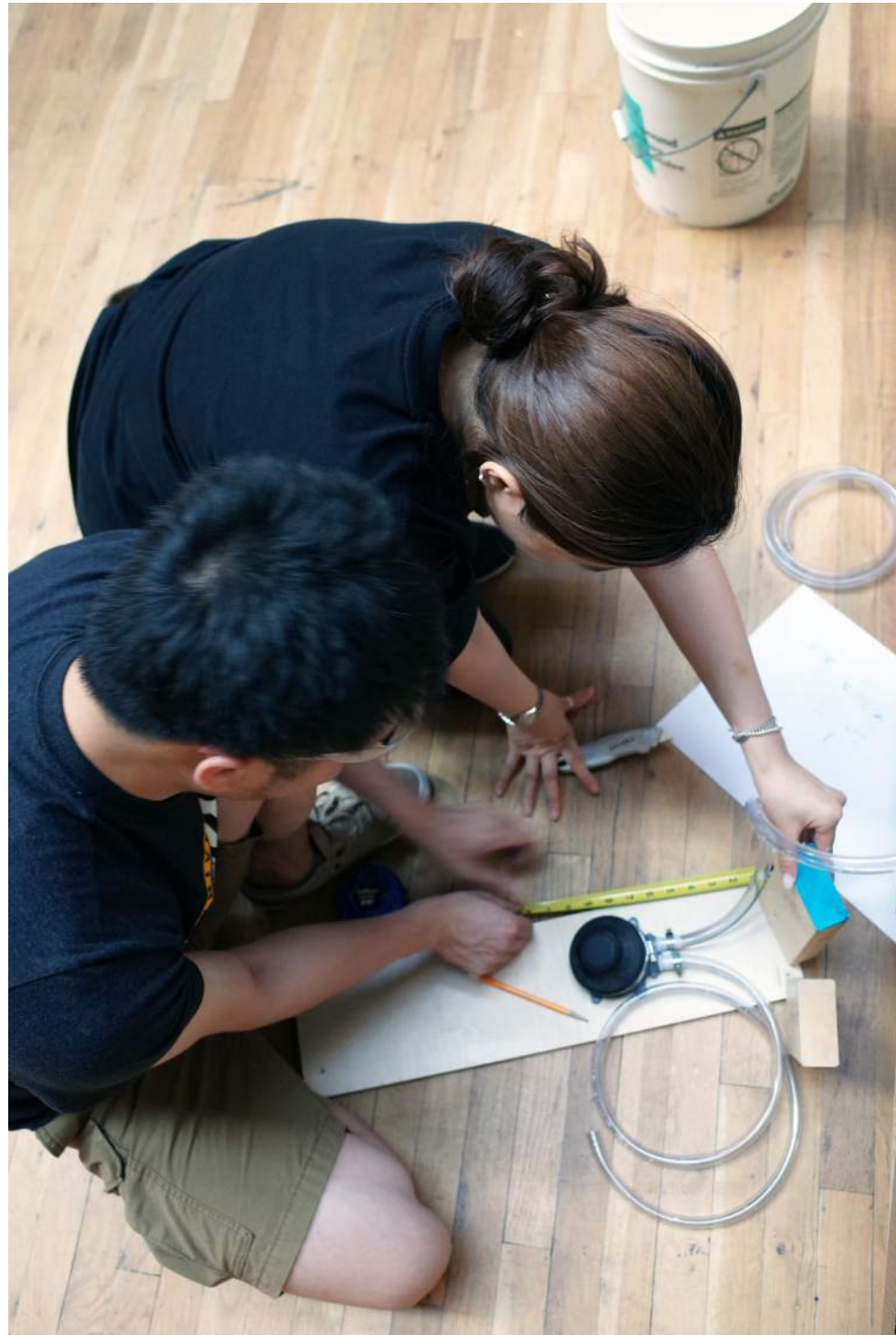
DESIGN	WISH LIST
• POLE SLEEVES GJ, NA	• SKID PLATES
• GARBAN BIN YC, PROpane	• UNDERMOUNT SINK
• POLE ENDS GJ, TANK SECURITY	
• BRAKE SYSTEM NA	
• POLE STORAGE - YC	
• CHAIR STORAGE - YC	
• ACK PLAQUE - NM	

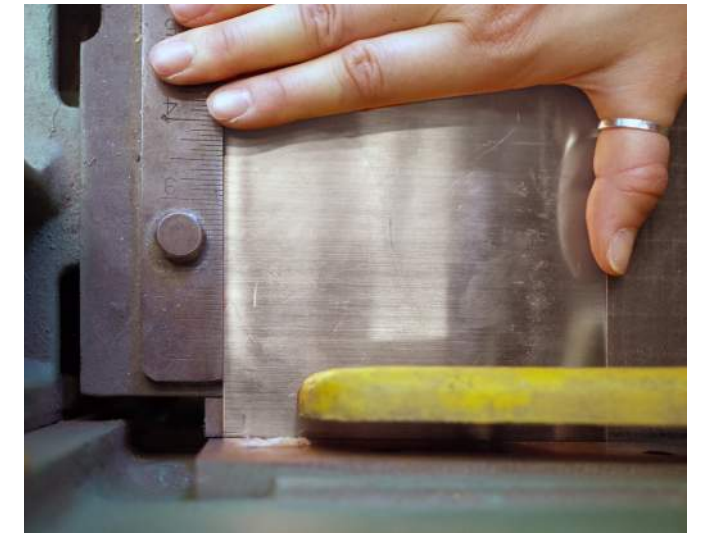
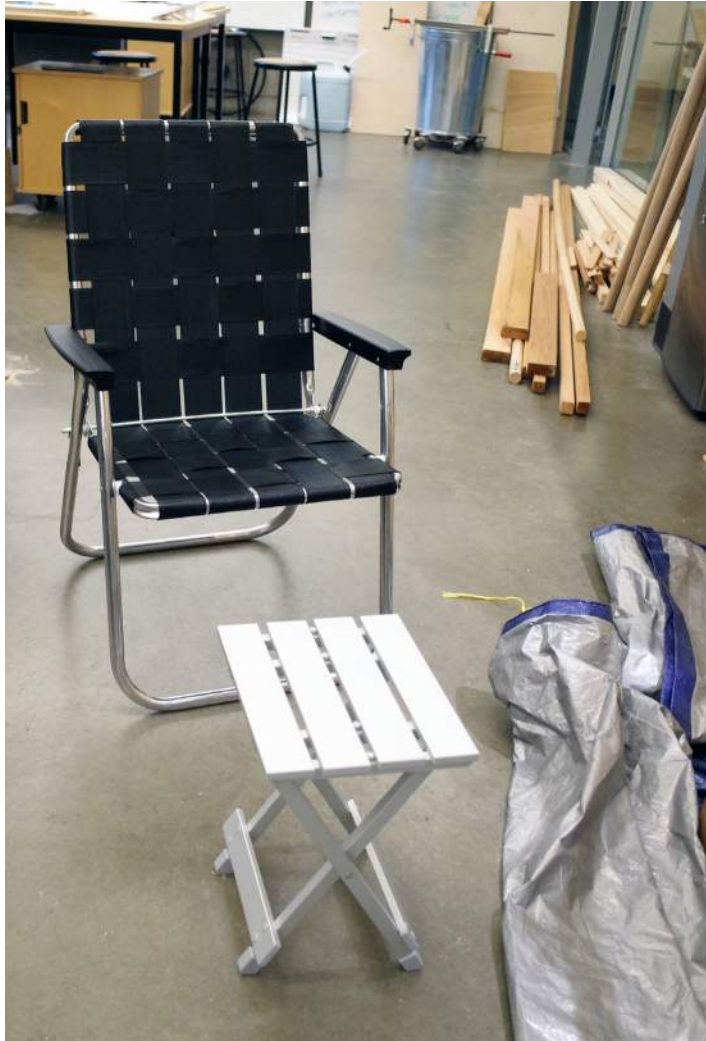
• BUY STAINING SET

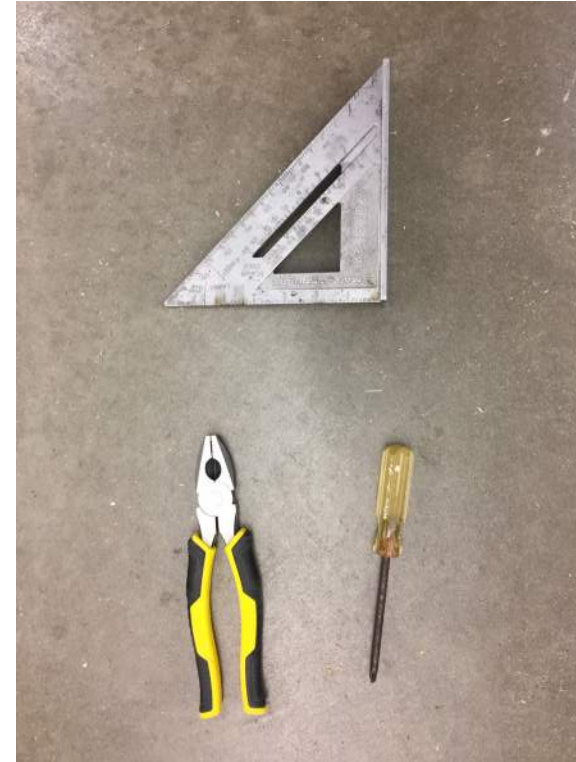






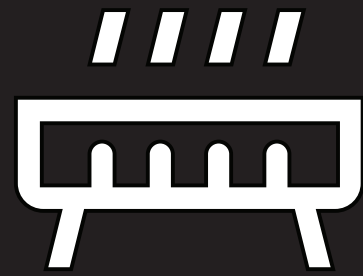






3.Design&Build

3.9. Decal Design



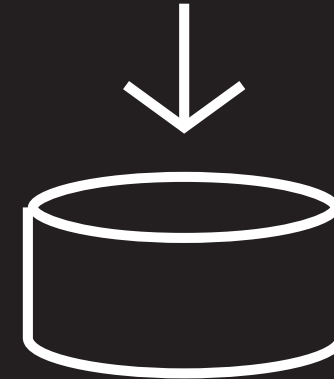
griddle



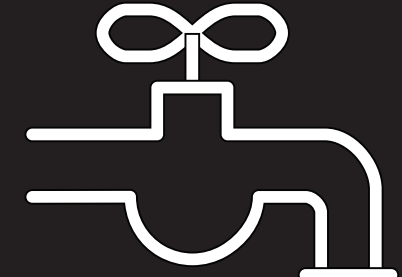
water pump



propane

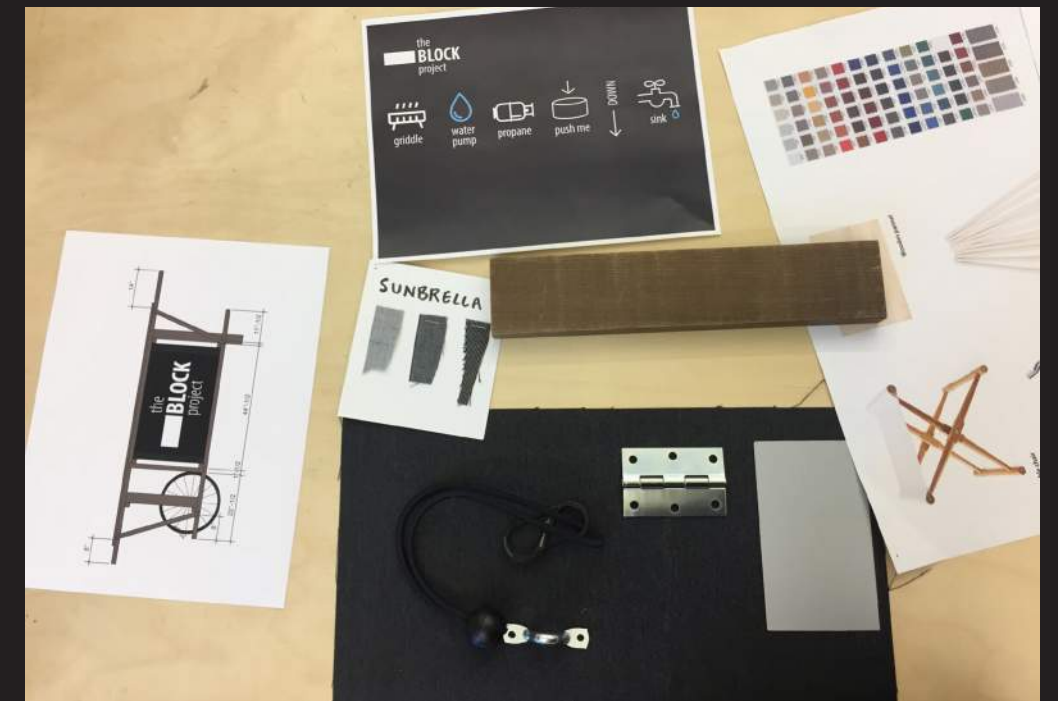


push me



sink

the
BLOCK
project



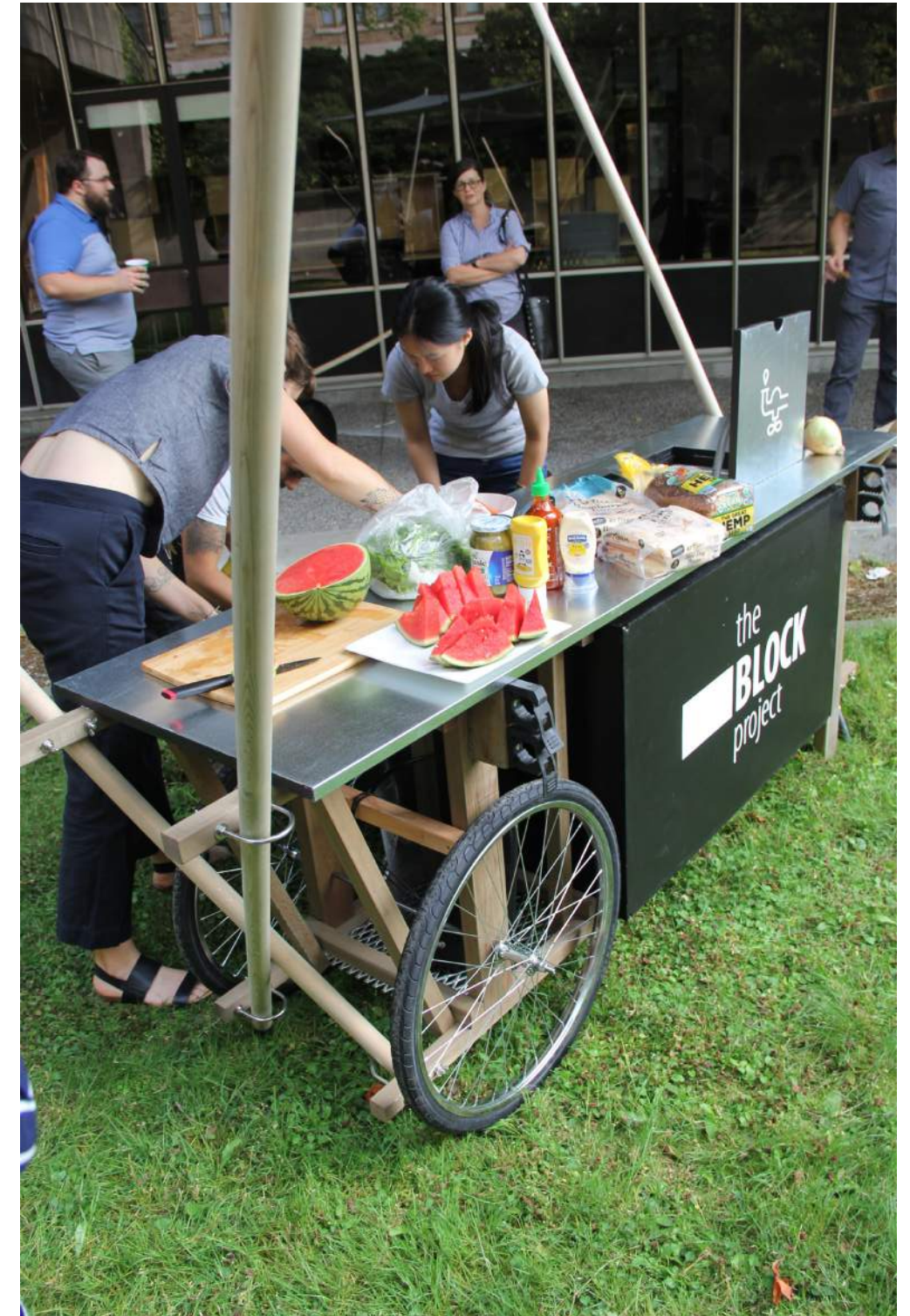
4. Final Project

4. Final Project

4.1. Final Set-up







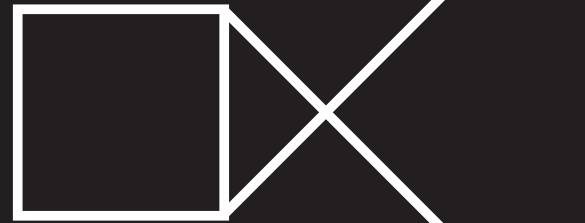








COOKOUT



UW BE DESIGN BUILD STUDIO | SUMMER 2018

Nathan Altenberg	Yachi Kao	INSTRUCTORS:
Will DeVault-Weaver	Nina Mross	Mike Freeman
Junjie Jiang	Jiyoung Park	Jake LaBarre
Guanzhou Ji	Chiaki Tanaka	Greg Squires

Our thanks and gratitude to those who made this possible!

- Block Architects
- Facing Homelessness
- UW CBE
- Ankrom Moisan Architects
- PRISM Graphics
- The Miller Hull Partnership
- Cone Architecture
- JAS Design/Build
- Dunn Lumber
- Cascade Bicycle Studio
- Josh Sachs | Bike Works
- Jenn LaFreniere
- Penny and the UW Fab Lab
- Steve Badanes
- Ryan Zamora
- Kerry Larkin
- Sarah Steilen
- Barron Peper
- Aaron Long
- Scott & Brittany Freeman
- Caleb Matthiesen
- All future volunteers!