

Mobile Food Assembling & Distribution Station

Winnie He

Abstract

Methodology

- ~ Bi-weekly virtual research meetings
- ~ Utilizing construction software and programs
- ~ Digital File Formats

Outcome

A comprehensive pre-construction package that will enable any person regardless of experience level to build their very own Mobile Food Assembling & Distribution Station

Cost Breakdown:

Materials - 67.5%
Rent Equipment - 14.2%
Buy Equipment - 18.3%



Cost Saving Methods:

- 1) Borrowing tools
- 2) Recycling Material
- 3) Asking for help
- 4) Change Scope



Volunteers



Hygiene Products



Distribution of Goods

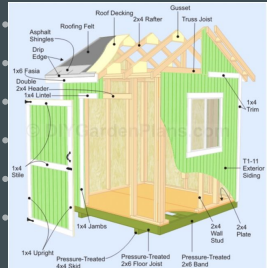
On Christmas Eve of 2018, Jessica He Liu, a chef in Los Angeles opened her home to friends and family to volunteer and help assemble food boxes and personal hygiene products and distributed these goods out to those in need. What started off as a goal to spread kindness during the holidays, became a yearly traditional non-profit volunteering event for those families involved. In March 2020, the deadly COVID-19 pandemic took the world by surprise, causing a copious amount of social distancing guidelines to be formed and enforced. In order to provide the volunteering experience of spreading joy without crowding the small spaces that were offered, **the mobile food assembling & distribution station** idea was created. The purpose of this project was to provide all the **pre-construction documents** needed in order to create a fully functional mobile station for food assembling and distribution purposes. To accommodate the various user characteristics, pre-construction documents are created to fit users with different construction experience backgrounds.

Part I:

- ~ Design the structure and create 3d model.
- ~ Create Materials list using local vendor resources (Home Depot)
- ~ Create Equipment list with options of buying or renting (Home Depot)
- ~ Create overall Instructions manual along with Plans & specifications.
- ~ Create Cut list & Schedules according to the plans & specifications
- ~ Create Cost Analysis of the project scope.

Part 2:

- ~ Final review and revision of project
- ~ Adding Legal Disclaimers, Assumptions & Warnings
- ~ Submission to DigitalCommons and SME
- ~ Project Completion



Project Approved

Project Brainstorm

Material & Equip. List

Cut List & Schedules

Plans & Specs.

Cost Analysis

Project Complete

09/18/20

09/25/20

10/02/20

10/09/20

10/16/20

10/23/20

10/30/20

Winnie He
whe03@calpoly.edu
(626)566-5857