

# QUEZON CITY FOOD BANK

## A Battle Against Food Loss and Waste

### Background of the Study

The Philippines has one of the highest numbers of people who do not have food security, despite being an agricultural country. One factor contributing to this issue is the massive food loss and waste (FLW) generated in the Philippines.

### Research Problem

While there are government responses for both food loss and waste, the problem remains, which is the lack of proper transportation and storage facilities to more efficiently address the problem of food loss and waste (FLW).

Community Efforts:  
Food Pantries

Not recognized by the government.

What's Missing?

FOOD SECURITY

Government Interventions:  
HB3370: Food Waste Reduction Act

Lack of proper implementation.

An official facility that collects and redistributes food that would otherwise become food loss and waste.

### Definitions

#### Food Loss

The produce of local farmers that would go to waste due to the lack of proper infrastructure for transportation and storage facilities.

#### Food Waste

Avoidable food waste that is still fit for human consumption. These would be the still-edible food from the hospitality and service sectors that would otherwise go to waste.

### The Three Components

Operations and Storage

Mobile Food Pantries

Community Food Park

Collect food or donations from commercial establishments and provide support for farmers by buying their product and providing proper storage and distribution of resources. Allocation and distribution will be done based on shelf life of food items.

Rotation between 10 barangay partners in the city with the most informal settlers to provide food packages in order to relieve food insecurity. Distribution will be done with food trucks with the barangay officials organizing the distribution locations.

Provide a place where the community can eat for cheaper and a community pantry similar to the original food pantry where people can share resources.



### The Site

The Site is located along Elliptical Road and bound by Commonwealth Ave. and Masaya St. The Site is located along the perimeter of the Quezon Memorial Circle, which is an institutional zone and is where government buildings like the QC City Hall, National Housing Authority, and Department of Agrarian Reform are.

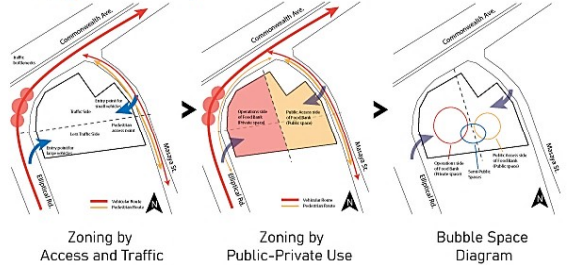
### Site Criteria

Central Location in the City

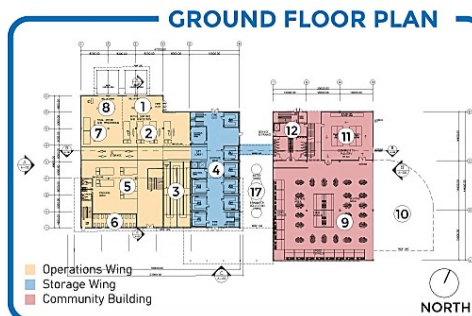
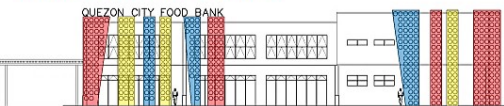
Access to Major Road Networks

Proximity to Commercial Areas

### Design Development

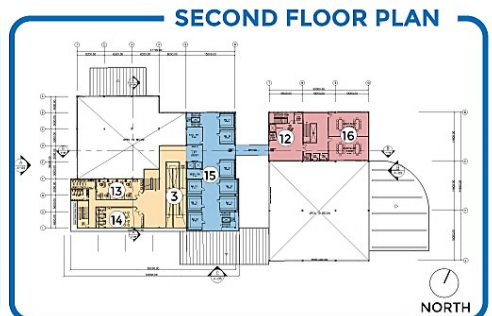
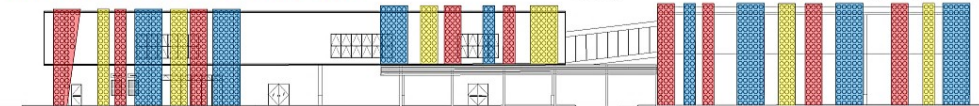


### WEST SIDE ELEVATION



- Legend:
- 1. Receiving Area
  - 2. Initial Sorting and Inspection
  - 3. Ramps
  - 4. Cold Storage Rooms
  - 5. Packing Area
  - 6. Supplies Storage
  - 7. Final Check and Processing
  - 8. Loading Area
  - 9. Food Park
  - 10. Outdoor Lining Area
  - 11. Community Pantry
  - 12. Service Area
  - 13. Admin. Office
  - 14. Staff's Lounge
  - 15. Dry Storage Rooms
  - 16. Workshop Rooms
  - 17. Rainwater Collection
  - 18. Solar Panels

### SOUTH SIDE SITE ELEVATION



- Cellular Long Span Beams
- Solar Panels
- Rainwater Collection
- ERV Ventilation System
- Perforated Aluminum Panels

Based on the National Colors of the Philippines



PERSPECTIVE VIEW