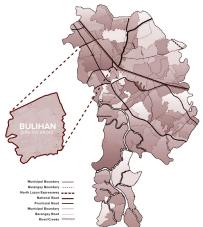




Throughout the years, Malolos, Bulacan has continuously improve and pave its the way to urbanization. Yet, access to facilities for healthcare, recreation and livelihood still remain scarce and inaccessible to the general public. With that, this project aims to create a space that values the holistic health of the community, prioritizes the wellness and nutrion of its people, and provide livelihood opportunities to those in need. This site was selected as the project can be a non-clinical extension of the newly built hospital beside it and can also serve the residential and commercial spaces surrounding it.

## Ecological Profile of Malolos



# Design Agenda







User Analysis





## **Macro Analysis**











# Micro Analysis













# **Massing Studies**



















# Site Development Plan



# Elevations

# Front Elevation



# **Back Elevation**

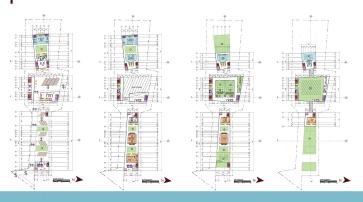
# Right Side Elevation



## Left Side Elevation



# Floor Plans













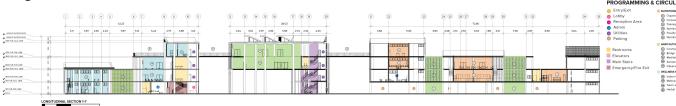
**Nutrition Building Lobby** 

**Nutrition Building Seminar Hall** 

Agriculture Building Aeroponics Garden

Wellness Building Fitness Gym

## Longitudinal Section



## **Space Programming**

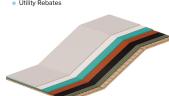


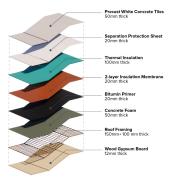


## Cool Roof System

This system will be implemented into the buildings in accordance to 2.6 LE-PT-5 of BERDE Guidelines. The layering of the following materials will help prevent heat absorption by reflecting the sun's heat and then emitting its radiation back into the atmosphere. Among its perceived benefits are:

- Lower Temperatures
  Reduced Maintenance Costs
  Mitigated Heat Island Index Reduced Air Pollutant Emissions
- Improved Air Quality
  Utility Rebates





# Structural Framing System

in order to support the buildings, a reinforced concrete system shall be implemented. The structural system of each building will be independent of each other but will be composed of similar construction elements such as 0.50 x 0.50M reinforced concrete columns, 1.80M deep isolated footing; shallow foundation in grvel and and .20x.10M rectangular reinforced concrete beams. The figure on the right shows a blow up presentation f the building's construction and structural system,

### ROOF SYSTEM

Cool roof system with material layering to minimize heat absorption; supported by steel trusses and framing

## CONCRETE SLABS

Steel reinforced concrete slabs integrated in all floors of the three buildings

## CONCRETE WALL SYSTEM

Cast-in- place concrete with louvered curtain wall to allow natural air and ventilation inside the buildings

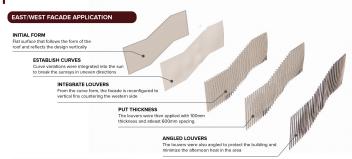
### CONCRETE & WOOD FACADE

Building facade is characterized by clerestory windows, and jalousie windows, rattan mesh, wooden elements and concrete base

# STRUCTURAL FRAMING

Reinforced concrete framing system with rigid joins and isolated footing in shallow foundation

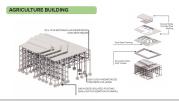
## Facade Details

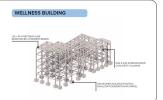




















Entry to the Site

View from Garnet Road

Multi-Purpose Court

On-ground Parking