

Proposed Mixed-Use Shelter for Disaster Victims

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Architect Daisy Palattao, uap
Adviser

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Presented by

Dimaculangan, Patrick D.

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ABSTRACT

Disasters disrupt the lives of the people and are forced to abandon their homes, and seek shelter to an evacuation center. Problems are that buildings being used as evacuation centers are forced to suspend their intended uses which may last for weeks. But if dedicated evacuation centers are built, the issue will be the maintenance cost. Disasters don't come every other day so most of the time the built evacuation center has no function and may end up being neglected. This study, **The Proposed Mixed-Use Shelter for Disaster Victims** was conceptualized as a possible design solution that will provide shelter to the evacuees during a disaster, and have alternative uses which may include income generating activities to support its maintenance costs.

Interpretive-Historical and Qualitative are the Mechanics of Analysis and Triangulation used for this study. Review of related records and researches from reputable sources, Key Resource Person Interview, Post-Occupancy Evaluation of a related project, Site Inventory and Mapping, and Focus Group Discussion were used for gathering data.

Based on the data gathered, the proposed project must have facilities that will support the needs of the evacuees, and alternative uses.

Brgy. Bagong Silangan, Quezon City is the selected location of the proposed project site because the city it has the most number of evacuees (263,680) in NCR for 2008-2012, and NCR is the region in the Philippines with the most number of evacuees (1,013,500) in the same period. The site is a non-flood prone area located adjacent to the flood-prone communities and near major government facilities.

The concept of the proposed project is Noah's Ark which is applied to the form, plan, and site. The structural concept is "Earthquake and Storm resilience". Sustainable designs like rainwater harvesting systems, overhead water tanks and kitchens are integrated.

The proposed project is a mixed-use occupancy project that includes facilities like Evacuation shelter (with mess hall, relief storage, social welfare services, and disaster mitigation office), Commercial (bazaar), Recreational, Livelihood, and Agricultural facilities. The Evacuation Shelters which consist of two 4 story buildings will house a total projected target population of 3326 people with 3.5 square meters of shelter space per person.

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