

ECommunity: A Proposed Disaster Resilient Community

ECommunity: A Proposed Disaster-Resilient Community

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ECOMMUNITY: A PROPOSED DISASTER RESILIENT COMMUNITY

Abstract

"ECOMMUNITY: A PROPOSED DISASTER RESILIENT COMMUNITY", embodies a community comprising of facilities which would be resilient to disasters. The community aims to respond, to survive, to recover and to become prepared before, during, and after a disaster.

One of the major problems our country is facing today is climate change. As part of the disaster risk management included in the national development plan, this project aims to establish a village or community that will be resilient to disasters. It targets to provide safer structures that will be ready before a disaster occurs and will help lessen its damages and losses. Multi-storey family dwelling facilities and community facilities such as commercial/retail center, day care center, multi-purpose hall/sports facility and a chapel are the structures within the community. The residential facilities are raised 4 meters above the ground to minimize damage from floods. The ground floors are left open for parking spaces. These residential facilities are connected by skywalks which can be used during typhoons and floods. The community facilities are also structured with second floors.

This study is in line with the framework plan of the National Disaster Risk Reduction Management Council (NDRRMC) in creating a safer, adaptive and disaster resilient Filipino communities aiming towards sustainable development. The main goal of this project is to design a disaster resilient community that will be able to adapt to natural hazards and to mitigate disaster losses, in lives and in the social, economic and environmental assets of the communities and of the country.

The objectives of this project is to uplift the quality of life of every Filipino community at a greater scale even when exposed to natural disasters; to respond to the shelter need of communities affected by disasters; to reduce vulnerability to natural hazards of the master planned community; and to serve as a model community to all Filipino communities.

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