

Year: 2016

Location: Ecuador

Program:

Ecuador Paper Temporary House



On April 16 at 18:58 ECT Ecuador was hit by an earthquake with a magnitude of 7.8. Death toll rised to 663 and 28,775 people were displaced from their homes. The proposed building site is in the heart of downtown Manta along the coast. About 20 families had built up their own shelters and community toilets after the earthquake but the living condition is poor. We proposed a new better house model for them.

Since the tropical climates of the coasts of the Philippines and Ecuador are similar, temporary housing for Ecuador is based on the temporary housing model constructed in the Philippines. By connecting the paper tube structural frame with strips of bamboo fixed diagonally, the bamboo not only acts as outer wall but also as brace to solidify the structure. In using local building materials, construction costs can be reduced while meeting local conditions.