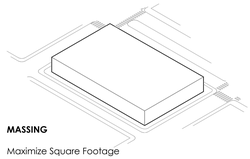
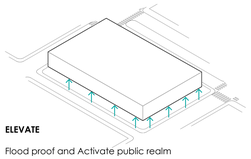


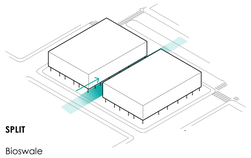
MASSING

Maximize Square Footage



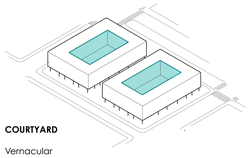
ELEVATE

Flood proof and Activate public realm



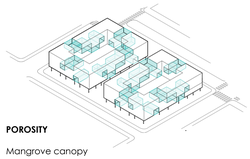
SPLIT

Bioswale



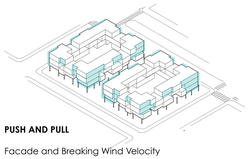
COURTYARD

Vernacular



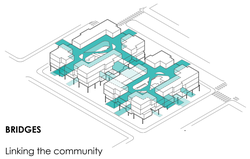
POROSITY

Mangrove canopy



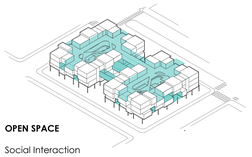
PUSH AND PULL

Facade and Breaking Wind Velocity



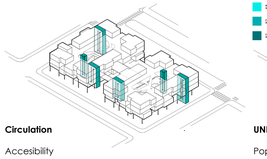
BRIDGES

Linking the community



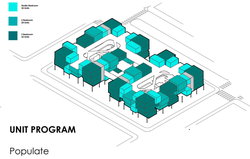
OPEN SPACE

Social Interaction



Circulation

Accesibility



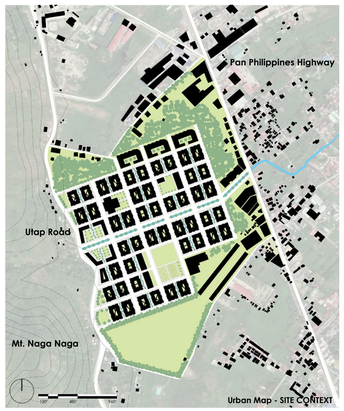
UNIT PROGRAM

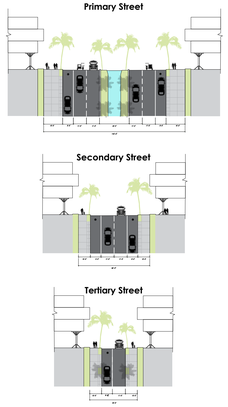
Populate

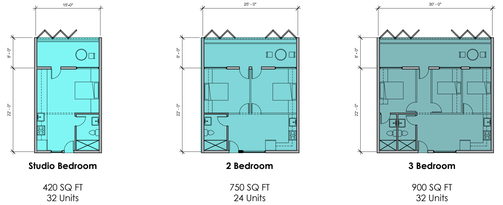
HERE TO STAY:
DISASTER, DISPLACEMENT AND THE BIOMIMETIC RESPONSE

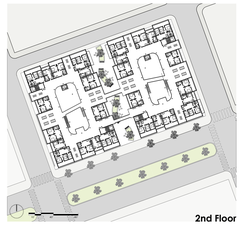
Dan Lorenzana

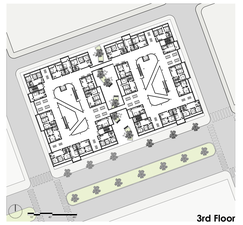
Natural disaster can be felt all around the globe especially in the Philippines where millions of people have been displaced without any shelter. With the average of 20 typhoons hitting Philippines each year. People are still living in unsafe structures that affects the day to day of their livelihoods during and after natural disaster. According to Internal Displacement, earthquakes, floods and violence have driven millions away from their homes in 2018 alone. This acceleration in displacement can be felt in cities with growing slums and outdated infrastructure. This thesis investigated a new integrated urban and building design typology for climate adaptation that uses and integrates Biomimicry as a design technique, the exploration hopes to use as a standard design criteria in the Philippines where typhoon is very prominent.

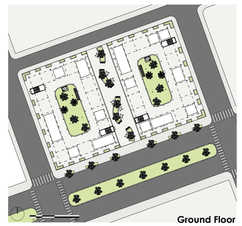


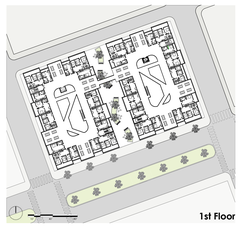


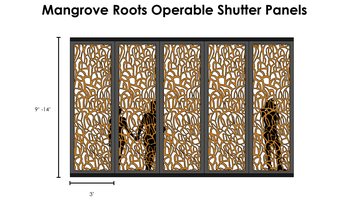


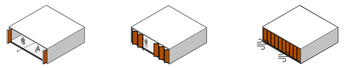


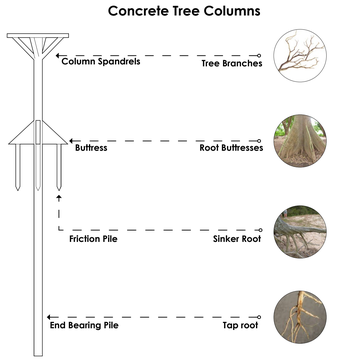


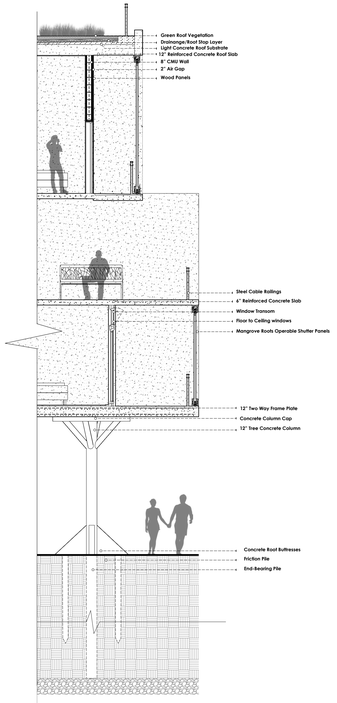


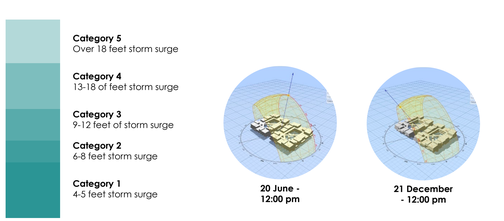






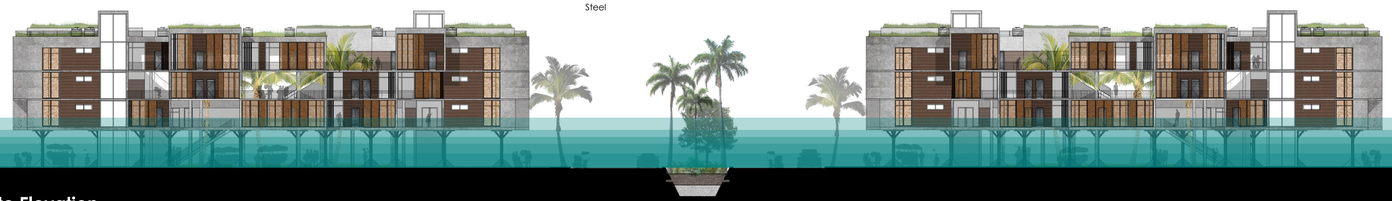






Create community for ourselves and for our neighbors

Sustain Communities for ourselves and for our neighbors



Site Elevation

Building Section