

# BACAOAN BOTANICAL

A PROPOSED BOTANICAL GARDEN DESIGN IN DEL CARMEN, SIARGAO



Vision

A center for conservation, promotion, & research of Siargao's diverse flora & fauna by mimicking Siargao's typologies



Mission

- Showcase local flora specifically its endemic and endangered species.
- Promote the importance of mangroves to the island's ecosystem and its importance against climate change
- Add to the tourism repertoire of Del Carmen

## DESIGN CONCEPT

### BACAOAN THE MANGROVE

The mangrove as a symbol of climate resilience. A figurative and literal protector of flora, fauna, & the island community of Siargao



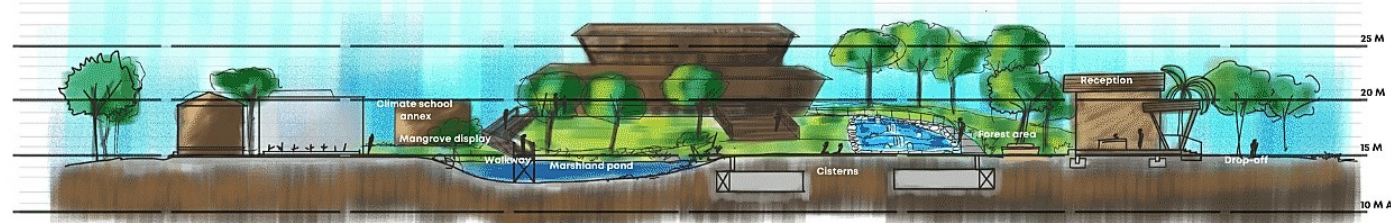
Mangrove forest in Del Carmen, Siargao



## SECTION ELEVATION



CROSS SECTION-ELEVATION  
SIARGAO PROTECTED LANDSCAPE & SEASCAPE BOTANICAL GARDEN



LONGITUDINAL SECTION-ELEVATION  
SIARGAO PROTECTED LANDSCAPE & SEASCAPE BOTANICAL GARDEN

## DESIGN PHILOSOPHY



**PROTECT**

NATIVE, ENDEMIC, & ENDANGERED FLORA



**PROMOTE**

MANGROVE ADVOCACY, CLIMATE AWARENESS



**PROVIDE**

EDUCATIONAL SPACES, ACTIONABLE ACTIVITIES

CONCEPTUAL FRAMEWORK



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## Research Hub

A center for conservation, promotion, & research of Siargao's diverse flora & fauna.



## Forest

The botanical center of the site  
Features the hardwood trees that populate the forests of Siargao, including endangered species that are kept at the Botanical atrium



## Beach Forest

Features coastal tropical plants that can be found along the shores of Siargao & the Philippines



Entry area planting



Beach forest area



SITE DEVELOPMENT PLAN



Botanical atrium interior



Marshland pond & mangrove display

## Mangrove Forest & Marshlands

- Marsh inspired pond
- Mangrove nursery & display
- Educational & research hub
- Agroforestry display
- Connects to mangrove conservation forests



## Grasslands

Cave inspired exhibit for seasonal topics  
Activity area for outdoor exhibits & events

