

RESILIENT HOUSING DESIGN IN FRAGILE SETTINGS_RES-HOUSE

SITE

LOCATION: SUJAWAL, THATTA PLOT SIZE: 44'-6"X 29'-0"





SUJAWAL IS A DISTRICT IN SINDH, PAKISTAN ,HAVING A POPULATION OF 2.2 MILLION. THE SOCID-ECONOMIC CONDITION IS GENERALLY POOR. IT TYPICALLY RECEIVES 15.58 MILLIMETERS OF PRECIPITATION AND HAS 19.49 RAINY DAYS ANNUALLY.

CONCEPT

VERNACULAR-TRADITIONAL ARCHITECTURE

This concept is to create a design based on vernacular traditional architecture. The house would be constructed to support communal life and local traditions while also providing flood resistance, nature inclusivity, and cultural rejuvenation.

Though situated in a low-lying region susceptible to inundation by the flood, the undertaking shall be established within the location. The house would be designed to be energy-efficient. comfortable, and long-lasting. It would also be built to be flood-resistant, with locally sourced materials and design elements that serve to lessen the consequences of floods

ZONING

Zoning is done keeping in mind the privacy factor irequired in Rural Areas. The central courtyard which connects the whole house together is adapted by seeing the traditional 'Sehaans' in rural areas which enhances the privacy of house and can be used for multiple purposes. The Baithak area is placed near the entrance so guests can easily access it

without overlooking the private spaces of residence.Courtyard is oriented towards West to bring more wind inn.











