

Tropical House / Camarim Architects

Architects :Camarim Architects

Location :Criciúma, Brazil



LOCAL ENVIRONMENT INFORMATION:

As the location is in the Northeast Brazil, years are split in wet and dry seasons, with temperature ranging from 22 to 33 degree. Heavy rainfall from January to July.

SOLAR:

Big wood suspended roof shelter the house from the sun
extended terrace block the sun for lower level. Using exterior terrace to reduce the exposure to the sun.

CONDUCTION:

Using masonry and wood structure as construction material.
Condensed shape reduce the opportunity of conduction

VENTILATION:

Inverted suspended roof and big openings on wall achieve natural ventilation.

INFILTRATION:

Permeable wood skin allow infiltration, to let the mountain breeze get inside of the house.

WHAT I WOULD CHANGE:

Since the area has heavy rainfall for more than half a year, using wood as one of the main material may not be a good choice since wood is easy to corrode when weather is wet and hot. So a lot of protection for wood structure is needed.

