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Hello, friends, how were the holidays? It should be imagined that you will have all sorts of feelings: some are phenomenal, others are just beautiful, and others want to return to order and organized routine ... but that's how we accumulate feelings that make our lives more interesting. Changes are always enriching and in this post I want to share or refine the concept of architecture that if you are thinking about building a house, are the key to a more comfortable home or it is just interesting to know so that you may have a free opportunity to apply them in the future. These days we read the themes of bioarchitecture and given the fashion of words and disparate definitions, which are circulating related to architecture, sustainability and construction design, we modestly seek to clarify some concepts with brief explanatory definitions: SUSTAINABLE ARCHITECTURE, is one that, through responsible architectural design, uses optimal natural resources in a sustainable way and adequate construction systems in its execution (reasonable economic costs), achieves the minimum possible impact on the environment (conservation of natural resources) in the context of implementation as of its nature as well as in relation to people (without social isolation), preserving the environment for future generations. ECOLOGICAL ARCHITECTURE, is architecture perfectly integrated into the natural ecosystem, this architecture requires three main aspects: . The scientific method. The sensitivity of the designer. Honesty of architect, promoter and builder. BIOCLIMATIC ARCHITECTURE is an architecture that is thermally self-regulating and does not require technological devices. In the architectural design of bioclimatic houses it is important to take into account the bioclimatic comfort scheme of Givoni, it will specify the premises for the application of architectural design strategies. This abac takes this data into account: . A comfort zone. Permisib comfort zone. Heating for internal profit. Passive solar heating. Solar heating is active. Moisturizing. Regular heating. Sunscreen. High heat cooling mass. Cooling evaporation. High heat cooling mass with night update. Night ventilation and mechanical cooling. Air conditioning. Normal dehumidification. Dry bulb temperature. Relative humidity. Tension v Important keep in mind that architecture should allow spaces where women feel comfortable with temperatures between 22oC and 26oC and men in spaces with temperatures of 20oC and 28oC, depending on the temperature respectively if both births are in the cold or warm season. . SELF-enough, this is one that does not need to connect to the infrastructure of drinking water, gas network, electricity, starting with the extreme concept of self-sufficient architecture, it will also allow not to have the need to buy food, the house itself will have its animals and bioculture gardens that would allow its self-consumption and self-sufficiency. . ARCHITECTURE With zero ENERGY CONSUMPTION, the definition of the interests of manufacturers of technological devices and some manufacturers of insulators. In general he says: Put technological devices and a lot of insulation in your home, so that no energy is consumed, but the truth is that these technological devices are very expensive, producing them requires a lot of energy, and programmed obsolescence with a lifespan of less than twenty years. Using these technological devices you don't make the best building on the energy level, you make it more expensive and after living appliances you generate more waste into the environment. What's really important is to first get high-energy architecture!!! ...architectural design is key!!! THERMAL CONDUCTIVITY COEFFICIENT (Lambda, expressed in Kcal/h x m2 x oC) material, means how much heat passes through a square meter of a particular material one meter thick when the temperature difference between its external and internal faces is one degree Celsius within one hour of time. Examples of thermal conductivity ratios of some materials: steel x 50 (Kcal/h) x m2 x oC - concrete - 1.00 (Kcal/h) x m2 x oC - total insulator - 0.02 to 0.03 (Kcal/h) x m2 x oC This material air, It has a thermal conductivity ratio that at least leaves you thoughtful: air 0.023 (Kcal/h) x m2 x OC material is more insulated less despite and more pores of air it's inside (bubbles encapsulated inside). Water s 0.58 (Kcal/h) x m2 x oC In order to get into a very technical discourse and allow you to think. I give you the question: If you want to use heating in the house, would it be better to use as a car a water heater or better to use air? Water is because the air is 25 times more insulating than water, so it will be more energy efficient for heating water than air. When designing architecture, site and orientation construction are part of the first air conditioning rooms, which represent the complexity of the project, in order to be carefully analyzed and studied to reach the level (degree) of: . Sustainable architecture., Environmental architecture., Bioclimatic architecture, . Self-sufficient architecture and/or with zero energy consumption that you are looking for or allows you to get. It is a thorough and interesting design process, a challenge of great satisfaction! What kind of architecture do you dream of?... You?... arquitectura bioclimática tesis. temas tesis arquitectura bioclimatica. tesis sobre arquitectura bioclimatica. temas de tesis arquitectura bioclimatica

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