Light Manifested in the Houses of Yazd

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Abstract

The greatest art of people living in Yazd City can be called “art of living”. His attempt to live in an area where the conditions are difficult is kind of art, an art in which the limits lead to know his art, and know the nature and how to change its violent to a pleasing environment. Applying of light welling elements in the houses of Yazd, as a necessary part of people’s living of desert needs a study to realize a basis of architectural feature of this area.
The method is descriptive-analysis. The research has been done with observing and field researches. In this research, it can be identified and analyzed the most the light well elements applied in the houses of Yazd and how to use them as an important part of people’s live.

Keywords: House, Yazd, Light well, Light, Traditional.
Introduction

The old houses are often in the same direction of God’s House (Kaaba). This orientation has created the conditions that summer places and winter rooms place logically around the central yard. Like the other deserted area in Yazd architecture school, Honor is considered as a principal. It’s not possible you can see any house in Yazd that has a view by the strangers. “Vestibule”, “Corridor”, high walls, how to be calm and different organized places around the yard have been constructed as it shows the sanctity and modesty concepts the best. This kind of design widely provides the shade at home in the hot summers.

The Question

The following article has tried to answer to these questions:

1- What strategies have been considered about the control of light in Yazd Houses considering its hot and dry climate?
2- What are the most applied light wells in traditional architecture of Yazd houses?

Literature Review

It’s not been done any research on the light well of houses in Yazd. This article is original.

Houses of Yazd

We explain some examples of houses in Yazd that the light has been clearly focused on.

1- Alireza Arabzade’s house

In his house, opposite to the other houses, there’s a place called Vestibule at the entrance part of house with the elegant decorated ceiling that the light shines beautifully and one stare at it unconsciously. In addition, latticed wooden doors between the rooms break the sunshine and manifest the pores in one or more color in space. The light shining from colorful glasses up the kitchen door, in addition light well and beauty goals can also away the pesky insects. Because according to the past experiences and ones who used “sash” and colorful glasses in their houses, it’s been proved that the colorful glasses causes pushing away the pesky insects by creating the colorful lights. Basically, the most light in the basements are provided by light wells facing to the yard, but the colorful glasses are not often used in them. In addition, the valves located on basement ceiling that go to windward, shines the light in addition to blowing the air.

2- Arabs Houses

These set has been formed by two houses called “Mahmoudi House” and “Referee Houses” with approximately one hundred and fifty years old. Mahmoudi House has been formed of a big yard in the center and places in four corners. House decoration includes Muqarnas vaulting, stucco, mirrors, decorated doors and etc. if we imagine all views of yard in the same direction, we find two three-door among both central space, and hallway between them is formed regularly.
door and five-door doors over the doors, thee are rectangular spaces with colorful glasses that enters the sunshine appropriately into the room, neither too much nor too little. In the northeast, there’s a room with elegant stucco that rectangular mirrors are placed between them and get the light of yard through latticed doors and reflects it into the room.

3- Larry House
This house is constructed in 1286 AH in “Fahadan” neighborhood. The doors, windows, sash windows and mirror and painted rooms is one of the great and beautiful examples of aristocratic houses of 13th century AH. It has an inner and outer yard and vestibule is located between two yards. Light well located in the center of vestibule, is in the form of “Jamkhane” (kind of window located on the top of some dome-shaped covers. Decoration of mirror room includes the doors, pores, painting, stucco and mirror with elegant pictures. The light shines from the five-door and its pores over them into the room and the mirrors scattered in an orderly manner on three walls and ceiling, reflect the light among the paintings.

Conclusion
The most applied light well elements in architecture of houses in Yazd are vestibule at the entrance part of house and all kinds of three-door and five-door doors with colorful glasses. After entering to the building, due to the intensity of outside light, the light must be broken to have a desirable environment in the building. One of the most important architecture factors in division and preventing the intensity of the light are vestibules that are round and polygon. There are usually a light well at the top of vestibules that causes kind of soft focus light enters in at the different times of day.

The psychological effects of the lights entering into the house cause ones who living at the same neighborhood, have the same and close mood. According to the psychological effects that each light has on a part of house, people suffer less from depression and mental adversity and this issue has had a significant impact on mental excellence.
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