

Reading The Role of Yard in House

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ABSTRACT: In today lives, daily trips of house inhabitants to out is made using closed staircase spaces or lobbies. Lack of a place for neighbourly relation results in less recognition and in some cases there is no neighbourly and friendly relationship. Families and especially kids surrounded in-house space so, today kids have less mobility and cause to depression of inhabitants of apartment houses. In apartments and today houses because of economic function of construction, almost it is seen that yard use as parking or cars commute. This research attempts to recognize yard importance in current residential architect and try to discover yard effects on house inhabitants. To do so, a fieldwork is done and existence aspects of a yard from three perspectives, quality, function and environmental condition regulation, in some houses are investigated and using a comparison of results the most important reasons of the yard are introduced. Generally, these reasons are categorized in two axes: human tends to collective life and a deep relation of the human with nature.

Keywords: Yard, House, Greenspace.

INTRODUCTION

In addition to unity creating among elements, yard creates a scrolling relation. This relation, in Iranian traditional houses, is making through building input to other destination like a warehouse, parking and etc. in a yard or make a connection between the main part with a positioning of summer and winter main area in different front. Creating a green space with different shapes of a pond and using this in the yard as a beautiful scene for inhabitants or sam spaces like Talar [a semi-opened saloon] and Soffè [a small semi-opened saloon] and creating a seat for the evening are other advantages of a yard. Organization of different spaces according to effective factors were the most important function in-house design. Also, yards had been the place of gathering, children playing and ceremony carrying out (Kooros Hind, 1986).

nowadays, due to lacking a place for neighbourly relation, neighbours have less recognition of each other which cause to a separation between neighbours and so unreliability among them. At the moment, children just allowed to play in a limited space of the house and in comparison to children of few generations ago their movement decreased (Toghiani &

Shabani, 2015). In Dehkhoda dictionary, The meaning of yard is space, a place surrounding with walls and house. Another word like the apron and home aperture in Persian means a wide space and roofless which the rooms located in one or several sides of it and also the house is a place where people living there (Dehkhoda,1998).

In Long man dictionary, The meaning of yard is a place around the house which is cover with grass and children play in it.

In Oxford dictionary, yard meaning is a part of land beside the building which is surrounding with a wall, and home is a place where living there.

In current construction with economic function, it is seen that in buildings just focus on rooms and almost yard is ignored or used as parking. Porches are ignored and terraces are just used for clothes drying. Despite to premium establishment in the modern house, this is lead to tedium felling and children alienation with nature (Riyahi, 2012). In west architecture, a yard is important and famous architects pay attention to green space creation such as Le Corbusier which design a large scheme in 1922 as a rental house buy. His Designing shows 100 small house which locate in 5 floors. Each small house

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has 2 floors and a personal garden. Each small house has its own gymnastics and sports room but in the rooftop, there is a mutual sports salon and 300-yard sports land. There is an entertainment salon on the top floor for inhabitants, too (Corbusier, 2007). Also, Le Corbusier's Villa Savoye which is in nature but separate from it, is a wide meadow which is surrounded by trees and also a green terrace which is located in the roof are reasons of a yard and green space importance. Franke Loid Right never separate his house from nature too (Black, 1998).

Yard existence in-house always had been a part of world architecting which is called with different names. Like Rome architecture in medieval which all villas and castles were always with yard such as Domo Aurea (golden house) villa, which had a big garden or Diana house in Ostia had open roofless space.

Also in ancient China with consideration of different humanistic and environmental condition of different are, diverse residential houses have been constructed. For example, C-he-Yuan house is consist of an ancient house in a residential area of Han and its template is C-he-Yuan Beijing which means a house that surrounded with rooms and has a central yard. Beijing is divided into two parts: front and back parts. The middle room is a place for celebrates and guests and rooms are located in front of the yard and connect to each other via the corridor. C-he-Yuan in Beijing which is the family system of China, with the wide yard, calm space and beautiful flowers and trees is an ideal space for live. These houses are in north and east north of China. Almost, houses in the south of China are multi-floor. Tan-O means a house with the oval yard. Such houses are usually square shape, clean and simple and are distributed in southern provenience.

So yard is an important part of houses architecture. Why human tends to create a yard? Why yard creating in-house is necessary? Now architecting science goal is to remove this ambiguity to architecture and students known that why yard is important and have to exist.

Problem Statement

What is seen in current architecture is the decreasing of yard role to parking or just light source, which is not suitable for meet the social needs but also cause to disconnect of social relation and ignore of society culture? So, a roll of people who supposed to use open space as a social space is ignored. which is cause to lack of place and experience of children playing, Sociologist, psychologists and physicians believe that green space in addition to hygiene supplement of residential space, has a positive role in resident health? Actually, green space affected on a supplement of a specific magnitude of natural elements which are necessary for physical and mental balance. People who force to spend time in limited and mechanized space, need to relax in a natural environment more and more. In fact, green space is a part of residential open space which natural and artificial arena of it consist of trees, grasses

and flowers which are based on human management with consideration of its principles and professions for improvement of resident condition, increasing of depressing rate and air pollution (Riyahi, 2012).

In 2006, a researcher, Min, during a research in southern Korea which is done among 91 children which live in one of Seoul neighbourhood, shows that the most space where children tend to spend their time is open spaces such as playing space and parks. In facts, these space are places where different talents of children such as creativity, the ability of relationship and self-reliance are growing.

Results show that in each residential complex it is necessary to have special space for children playing because play and movement are necessary for life and kids growing (Min & Lee, 2006).

So according to Mayson at el researches in Ohio University, the more open space in life result in the more satisfactory (Hur, Nasar & Chun, 2010).

Because of this reason area with more green space has inhabitants with more mental and physical health. So, green space in a residential area is an effective factor for calm and stress decrease (Tabaeian, 2014). What are the specific characteristics of a yard which other spaces haven't them? In another word, what is the reason for yard importance in residential space? Explain of existence reasons and human tend to yard can be investigated from different aspects like psychological and sociological perspectives. But in this article, architectural reasons are explained. Simply, what is the architectural reason of yard in houses? Here, to evaluate the main variable of research, architectural reasons describe in three item: quality aspects, function aspect and regulation of environmental condition aspect. Which these three are investigated. What are the specific characteristics of a yard which other spaces haven't them? In another word, what is the reason for yard importance in residential space? Explain of existence reasons and human tend to yard can be investigated from different aspects like psychological and sociological perspectives. But in this article, architectural reasons are explained. Simply, what is an architectural reason of yard in houses? Here, to evaluate the main variable of research, architectural reasons describe in three item: quality aspects, function aspect and regulation of environmental condition aspect. Which these three are investigated.

Objective

the main object of this research is describing of yard position in residential spaces which in this road architectural reasons of the yard are mentioned but three detail object of this paper is as follow:

Quality aspects of the yard;

Performance aspects of a yard;

Regulation of environmental condition of a yard.

With obtaining these goals, expected that discover yard effects on inhabitants.

MATERIALS AND METHODS

although in literature, the importance of yard is mentioned, in this paper, this subject using field study on some real sample is done. So, from many samples, 20 samples is chosen and after categorized in a different pattern, 7 samples as representative of other samples selected and investigated. A study is done using observe and record of results from 3 mentioned perspective.

In quality part, quality means some parts that cause space enjoyment. This parts consist of view and scenery, auditory, a sensory and perceptual quality which each of them evaluated. How this factors are investigated, bring in data gathering section.

In the function part, usage of yard space for each house will be investigated. For example, noticeable factor such as yard as a green and funny space for air circulation, organization of different space in various season, representation of time passing and season changing, make unity and connection between different spaces of the house and other factors has been investigated.

Finally, from the environment control viewpoint, some natural points were noticed, such as light and shadow, usage of green space and natural moisture of the air.

In this way, a questionnaire is prepared which contain a question about the importance of different spaces of house and necessity of this parts existence. So this paper investigated about reasons for yard importance in residential house and recognition of this to engineers, architects and inhabitants of houses without a yard, with this questions that, why yard is important? And what are the issues corresponding to lack of yard in-house?

Age of houses with a yard in Iran is about 8000 years. About 6000 years last until different buildings, especially houses, reach to current form and in each period yard had one or more users. The primary method of surrounding a place with wall can be seen in the stone wall of Dolmans in Azerbaijan. However, this walls are short but are a symbol of think in a determination of limitation in ownership. This kind of walls still exist in part of Iran likes Gilan, and a rural house called Galiposh. Yard as an interface between some spaces in Tapezagh ancient houses has been founded in the sixth millennium of BC. Houses consist of two parts: open part (yard) and closed part with residential and non-residential parts (Kooros Hind, 1986).

A yard in a more complete form and near to central yard in a building were found in burn building in Tape Hesar of Damqan. This building has a defence wall in a different distance. Different spaces like the central salon, warehouses and kitchen and some other rooms were opened to yard (Negahban, 1986). Another building called burn building in ancient Tape Hasanloo was built with a yard. An interesting characteristic of this building is having 2 yards which are connected via house.

So, Grishman says that Choghazanbil had been built with a central yard. He believes that this building had a central yard on the lower floor, each yard surrounded by bathroom and kitchen. Probably, houses of ancient city Shush has a central open or close space which other space open to this space.

parthia, in their own architecture, has used the yard as a special central yard. The effects remained in Khaje Mountain at Sistan, Hetra and Ashor proved this viewpoint.

A castle with a central yard and two porches[Eivan in Persian] has been founded in Khaje Mountain since the first century. Some space of this castle is opened to a yard and hasn't visual relation without. Also, Ashor castle has the same characteristics with four porches in four sides of the yard. Researchers of Iran architecture introduced this design as a pattern for construction of 4 porches mosque in early Islam. This procedure is used in Firozabad fire temple. This huge building with 3 dome and lateral space, has a central yard (Godard & Habibi, 1979).

A central yard is an ancient pattern which is used in many Asia, North Africa, South Africa, South America, Europe and also Iranian country. Formation of this pattern with an effect of cultural and social factors caused a natural environmental condition, has special and inevitable mental and physical effects on a human which have to take consideration in building design depends on heating and cooling condition. Building design using solar energy with attention to climate and local materials of the building, not only can create a calm condition in a man-made environment but also decrease energy consumption. It is clear that the inner temperature level improves proper direction by using disabled solar techniques (Taban, 2013).

Le Corbusier introduced the way of reaching to user comfort using plane maps and flexible walls but lack of attention to user needs a cause to this building failure and now many of European and American countries architecture introduced procedure of Middle East architecture as a proper way.

Using a yard in floors and principle of an ancient flexible architecture of orient could adapt their lifestyle. For instance, consecutive yard towers of London-Britain design based on courtyard houses of eastern Asia and the Middle East, which not only make an access of residential space to open and semi-open space but also is a proper space versus sun and wind. In fact, people's environmental knowledge and culture importance of this buildings, cause the formation of this type of design in a tall building. Originally, this tower is a collection of a six-floor village which formed around a central yard (Golabchi, 2013).

Usually, buildings design such that have maximum compatibility for using energy such as sun, wind and ground to provide human comfort in the living environment. Compatible design with a historical building of Isfahan is unique, such as a way of continues urban fabric ordination, valuated roof form, amount of doors, walls material, central yard design, space design for different use in four season and climatic spaces design.

For the best and the most usage of environmental phenomena and factors, especially using of solar radiation during winter, usable rooms and main spaces for winter, usually, build in the north and called it to winter part. Spaces, where considered for summer, were located in the south and there were garden and tree in houses and schools yard. In Isfahan yard trees like cypress, boxwood, pomegranate, grapes and figs were planted

which are valuable because of their performance and symbolic aspects.

Iranian architecture is famous for creative behaviour with a climatic condition and creating space such as central yard, basement, summer and winter space and windward, so that, nowadays with problems like air pollution and lack of energy and with an introduction of sustainable architecture, notice to past architecture is seen.

In addition to relative performances and integrating of different spaces, yard in introvert architecture bring open space of the out to inner part and almost inner part open to it and so, house relation with outer part decreased. (Memarian, 1993).

Yard meaning in Dehkhoda dictionary is space and a place where surrounded by walls. Other words like apron, courtyard and house have the same meaning.

Yard has several usages in Iranian house as follow:

Yard as a symbol of ownership limitation;

Integration of some elements in-house;

A connection of some spaces;

Yard for creating a green and funny environment;

Yard as an artificial air conditioner for a passing of proper wind;

Yard as an important element to organize different spaces;

Yard as a safe and comfort limit for a family.

In houses with a yard, one or more mentioned performances can be seen. Perhaps the first advantage of a yard is a symbol for ownership.

In some case, the yard doesn't need a green view. Because trees can cause more humidity. Like Bushehr port "on the north of Persian Gulf" where a small space in a house called a garden. Organization of different space is one of the most important performances of yard in-house design. Due to sun circular effect on a different aspect, home constructor considered each aspect on a particular season and time.

Their fore sunny front is actually considered as summer stay part and western direction considered for winter cold days, and for preventing from severe radiation of sun in eastern direction arcades build in this part.

Another important factor in an organization is creating a safe and comfort limitation for family relaxation which houses with an inner yard, reaching this goal via creating a space in the corner of the yard or building another outer yard (Kooros Hind & Kiani, 1986).

Using a pond with a maximum dimension in the yard centre can store solar energy and reduce the temperature and increase the humidity in summer. This pond with gardens, trees and wide sky create a limited but Joyous spirit nature. In the other hand, central organization around open space, have a special effect on wind effect reduction (Tahbaz, 1996).

The relationship between architecture nature has deep cultural roots and peaceful living of human, architecture and nature can be seen in Iran ancient architecture. Many mentions in Quran about grass, light and nature elements and finally heaven symbols of it cause that nature exist in all aspect of

Iran architecture and open and semi-open space being together in a way that always admires God's creation (Toghyani & Sheybani, 1394).

Researches show that in a residential complex with green space social relation among inhabitants is more (Tabaeian, 2014).

Open residential space, providing a situation for growing of creativity, relationship, social interaction and application like a creation of the connection, comfort, entertainment and a place for having fun is effective in air pollution reduction and improvement of life (Heidari & Hosseini, 2008).

With the help of little funny nature of yard, relation with nature which is the first right of human is provided. Space organization around open space in the house centre causing relation between man-made space and beautiful nature and yards as a meaning full space is a place for human learning from nature and principle of creation. Yards not only provide physical needs of human but also present calmness. Yards, have been developed based on human potentials and needs, directing to beliefs of a family during Generation. (Eftekharzade, 1384).

A central yard is private the heaven of a house. Being in this place cause ownership feeling for inhabitants. This feeling make a connection between people and place where human know himself as a part of there and so this place is important for him (Falihat, 2006).

RESULTS AND DISCUSSION

In this part, Three different factors about yard investigated. One of this factor is a function. function meaning is using a house in different forms that can mention to some of them in "Iranian residential architecture" written by Gholamhossein Memarian, such as yard performance as a connection between some spaces, creation of green space, integration of some elements or as a safe limitation for family comfort. Using field inference and investigation of several houses for a week in different hours of a day, morning, noon and evening function observed and investigated the use of yard and function recorded. Because of everyday life which is occurred during a week, this investigation is done in a week. Also, to obtain precise information about function during a month or a year, asked inhabitants about what other functions occur during a month or a year.

The second investigated factor is environment control. What is yard effect on life and house environment from a climatic comfort point of view?

Following are investigated: light and shadow, green space, air natural moisture, pond.

During history, people believe that sunlight can decrease depression feeling. Generally, extreme tend to a selection of natural light in comparison with artificial light exist (Tabaeian, 2014). Also, shadow creating is necessary to reach hot comfort but is not enough (Razjouyan, 2009).

Yard adapt's space elements with a different function and

regulate all needed change in the inner connection of house. In the other hand, some elements of the yard are effective in the regulation of this function, such as; pond locating in the yard centre and use of this for air conditioning, planting a proper plant, seating beside a pond in summer and providing inhabitants need (Eynifar, 2003). One of the principles for the sake of a better life is considered to be a small-scale human nature could create in their homes.

For visual qualities considering we used Gestalt theories and its most important law's which have been perceived organizational designs include the principles of Gestalt, The role and areas, such as walls around the courtyard rooms in traditional houses with beautiful designs by leaning against the wall and ornate doors and windows decorated with painted walls and ground or moonlight that in the middle of the courtyard pool, pool is the 'area' and the moon is the 'role'. As well as the yard of the courtyard and pool areas and gardens play its role.

The principle of proximity, such as rooms around the courtyard are arranged side by side and have created a house and five-door room home located on the side of encapsulation can be an example for the principle of proximity or closeness.

As reflected on the windows and walls on which a breeze shook water garden pool Porch and veranda around which a frame of the building facade evokes for us.

The principle of continuity that can stand in the courtyard of the building, given that we see the whole building The space component, which is also involved in bringing its total realized Such as the role and logs on to a courtyard with coloured glass. The principal components similar to those that can be side by side in the space around the yard like pool and garden and courtyard are a collection name all around the courtyard and rooms that make up the shape of the courtyard, he said. There is also arabesque similar with coloured glass together making up the windows and Driest that are similar.

Principle or law experience will be as familiar forms that reflect the sky in the windows facing the yard or the dock to know, The effect of knowledge and experience that we are able to recognize the shapes of the spaces are reflected. Shapes and coloured glass windows with beautiful figures of flowers are formed in continuing each other.

Experience concept is familiar forms which make from sky or windows reflection in a pond that using space recognition this for can recognized. And windows with a beautiful stencil and colourful glasses which contain flowers and forms together.

Based on principle derived from Gashtalt theory, yards investigated and characteristic of each ancient and modern house from Seven investigated house reviewed. In the following table, this characteristic mentioned. During a week which yard function investigating, following results about ancient and modern house obtained that investigated factors about behaviour during a day were in 3 times, morning and noon and evening, in a week, month and year. (Table 1 to Table 3)

House Number One (1): Kahkeshan House (Fig.1)



Fig 1: House Number One (1): Kahkeshan Kouse (Source: Isfahan Cultural Heritage Organization)

Function: Because there is a big courtyard in the middle of the house, there is a necessary space for children to play and their mother can do her routine affairs, watches out her children and overlooks from each parts of the house to the courtly adroit these courtyards they can do some group activities like assembling neighbours to cleaning vegetables, cooking votive, speaking, gathering and also provide playing conditions for their children in the yard and making a social and friendly relationship for children. Also, they can sit in the yard, beside the pool to eat something in suitable seasons, they eat in a free space with a cold airflow or sit in the salon, open windows verge, yard, use this space, pacifist and please citizenship.

Environmental conditions control: Water pool and gardens in hot seasons have refresh and vapidty in hot seasons. When you sit in a room with five-door and open windows, pool and plants in the yard can make a cool breeze in the space, also existing trees in two sides of the pool freshest water of the pool. Different spaces of the house around the yard make some lighting, refrigeration and warming of space in different seasons of the year. Being rooms around the yard can displace house habitats, in different seasons of the year, in winter, they go to the sunny rooms, and in summer they go to the rooms without any sunroom to be cool.

Visual qualities considering: There is a beautiful and lovely view from the inside of the house to the yard.

We can use a suitable view by sitting in each room and opening the windows bounding yard. Being a water pool and flower gardens beside it during the day and with the presence of sunshine in colourful glasses and their reflection in the inner parts of the house makes esprit and mentality for inhabitants.

There are some trees in the yard, so birds live there and their songs in the morning offer us life sense. Being rickets in the silence of the night and moonlight reflection in the water pool can. Be one of the loveliest spaces.

House Number Two (2): Tamizi House (Fig. 2)



Fig 2: House Number Two (2): Tamizi House (Source: Isfahan Cultural Heritage Organization)

Function: It has two different yards that are separated private space (Andiron) from public space (Birouni).

When they have a stranger (Strange guest), other persons in the house can live in this place more freely and, they can use they are and its open space and comfort. The Shahneshin part (alcove) has five doors toward the yard, it is a suitable space to rest and eat. Being different yards infuses playing situations and curiosity sense of children, so their voices in that environment aren't annoyed for the people who are resting the yard is suitable for the people who are resting the yard is suitable for sitting and speaking to each other beside the water pool. It's enough space for the family gang up and group works like cooking votive in some special times of the year.

Environmental conditions control: The water pool in the middle of the yard and the trees beside it overcasts on the pool in the summer and cools its water and weather. In winter when the leaf of trees fall, sunshine directs inside the house and makes the space warmer.

Visual qualities considering: Wooden windows with some colourful glasses and elegance to this space. When the sun shines, and colours collates, they offer succulence and vibrancy to the house inner space. Viewing yard and its landscape causes esprit calmness.

House number Three (3): Forough -ol - Molk house in Shiraz (Fig. 3)



Fig. 3: House number Three (3): Forough -ol - Molk house in Shiraz (Source: Abdolazade & Arjmand, 2012)

Function: There are three yards that relate to each other yards that relate to each other in different ways. Separating spaces by different yards causes making a frontage and separating private and semi- public spaces in-house and providing a mental comfort from the viewpoint of confidentiality. The main yard is a suitable space for the bigger gang up and group works like cooking foods, celebrations and ceremonies in some special days of the year. Even we can use the smaller yards in these situations to give some services. Facing decoration and surfaces of these houses that profits different colours and use colourful arabesques, colourful glasses of doors, windows and sashes, mirrors inside the rooms, wooden and painted roofs to use yard light causes some suitable spaces to hush and secure mental needs of inhabitants.

Environmental conditions control: Yard, as the main element of house organization, was the main and important space of the house that has an important role in organizing different spaces in different seasons and also as a green space and Allegro in circulating the air. Being different yards in this house and water pools in them can have a suitable effect on cooling and humidity of spaces inside the house and so we can use all of the spaces.

Visual qualities considering: There were some evergreen plants in gardens like orange, sour orange, and tangerine. They planted some kinds of beautiful flowers next to them. This kind of decoration and adornment of house yard has a direct relationship with the spirit of linking to the verdant and refreshing its inhabitants. Using geometry and proportion of color and light supplies suitable spaces for behavioral needs and habitudes of inhabitants and causes that qualitative characteristics of space (silence, gloaming, elevation and altitude,...) finds a more efficient role to make interest sense and house locality sprit and secure inhabitants needs in relation to communicate with others (like colorful glasses of sash as a barrier for seeing inside the room, and ...) with himself/herself and Good.

House Number four (4): Yazd Rasoulcen House (Fig.4)



Fig.4: House Number four (4): Yazd Rasoulcen House. (Source: Hajjighasemi, 2004)

Function: Two different yards that cease comfort and welfare of home individuals that separate inner and outer environments. (Andron and Bironi) family frontage protection against foreign eyesight with making and defining house input space to reach the yard.

Existing nature in the house yard causes communicating nature and inhabitants, it provides a suitable space for family and amicable gathering and speaking.

They can do different activities in the yard like the cases that we told about other houses, like cooking, food, cooking votive, cleaning vegetable, doing some ceremonies and celebrating during the year and ... Engendering different spaces around the yard and the possibility of easy access to spaces by a yard.

Environmental situation adjustment: Being gardens and water pools in the yard in hand and desert areas causes a relative humidity and environment vibrancy in the house. Placing yard in depth and making shadow in it by building septum's (walls) causes more environmental vapidity.

Visual qualities considering: Being a big water pool in the middle of the yard causes a beautiful environment and landscape from the inside of the house to the yard. The person who is inside the house, and is standing beside the window, can look at the yard, water pool and plants beside it, be calm and enjoy the space. Environmental welfare secures by gardens and making spaces. Water pool and gardens and their green colour cause persons calmness. Because the yard is linear, making yard lighting and hot and cool spaces make this environment more agreeable. Existing spaces around the yard and communicating with the outer environment, trees and water pool, make a mental security and vivacity sense.

House number five (5): Orsi Khaneh (Fig.5)



Fig 5: House number five (5): Orsi Khaneh (Source: World architecture, 2016)

Function: Using the yard as a parking ramp caused that there isn't any space for inhabitants to use or for children to play. Being a green space on the roof causes assemblage of neighbours and using this green space, but because of height, children can't play easily, so using this space is not perpetual.

Visual Qualities Considering: Hanging out flower vases on a yard and parking wall can provide an almost suitable view by optical viewpoint.

But, from the viewpoint vagrancy, birds live in this environment and their singing songs in the yard and creating happiness and alacrity, it hasn't any suitable quality. Implanting grasses between ramp lines show us the yard green.

Exciting the green roof except for some cases that inhabitants present there, from the optical viewpoint and viewing from inside the house toward the outer green space isn't impossible and can't provide the optical quality of that environment.

Environmental situations adjustment: Yard iridescent amount isn't suitable for environment situation adjustment and can't create humidity or a balanced air.

Roof iridescent also can't help house environment from the viewpoint of an environment conditions adjustment and only can help air pollution some deal.

House Number Six (6): Farvardin House (Fig. 6)



Fig 6: Farvardin House (Source: Caoi, 2016)

Function: There is a play space for children some deal, and neighbours can sit and speak in the yard space.

Visual qualities considering: Being iridescent in upper stages with using vases in terraces and behind windows, and using pool and garden in yard created a beautiful, agreeable and delightful space there. Creating number ous windows with different forms imported light inside the house.

Environmental conditions control: Yard vagrancy and water pool cooled the floor length space. Creating little different gardens in the plane causes refreshing the space.

House Number Seven (7): Bagh Jannat House (Fig. 7)



Fig 7: House Number Seven (7): Bagh Jannat House (Source: Caoi, 2016)

Function: Not being any yard hasn't any Operation and confines inhabitants of the house especially children and causes that they play only computer games.

Visual qualities considering: There isn't any vagrancy view and we see only walls

Environmental conditions control: Because there isn't any green space or water pool, so the environment is hot and dry. Therefore environment air is annoyner in summer.

In surveying the above tables and three considered factors, we found some cases that describe them. In operation dimension also we heal a special survey that is conducted to the following results:

- ganging up
- children playing

These cases show us that humans pay a lot of attention to communicate with nature and using open spaces. They use these spaces and do a lot of their ceremonies in the yard space. Being a yard in houses can cause alacrity among inhabitants of the house because most of the activities can form in the yard.

In the part of environmental situations adjustment we have some results as follows:

- creating mental health and calm and life comfort.
- Environmental comfort creation.

Existing green spaces and pool in the yard in different seasons provide us thermal comfort.

in summer, trees are against direct sunshine to the house and a water pool in the yard causes alacrity, freshness, and cool breeze of spring winds.

In winter, a leaf of trees fall and we see four seasons there.

Heat comes inside the house and with regard to the mental and continental situations that are created in the yard, we can observe communication with nature.

6-fpaud contrast with the environment. In the optical guiltiest

Table 1: Survey aspects of traditional courtyard houses.

Home	Function	environmental conditions control	Visual quality considering
Number 1	- child's play	-Stylized air (feeling Four Seasons)	- The elements of nature
Home kakheshan	- gathering	- Refreshing	- Water
Number 2	-Eating out (patio and garden)	- Pool	- plants
House tamizi	- Create airspace	- Garden	- the sky
Home forough molk Shiraz	-Carrying out (wedding, mourning, etc.)	- Penumbra	-Light (reflection, reflection, coloured lights windows)
Number 4	- Sleeping in the open and semi-open (yard and porch)	- Thermal comfort	- Voice
Home Rasuliyani Yazd	- The relationship between people and nature	- Cool space	- The aesthetics (see nature)
	- The centrality of the spaces (a symbol of unity, oneness)	- The air breeze	- Relax
	- study	-Winter heating in all spaces	- The hierarchy of Lighting
			-Viewing the change of seasons
			- Picture wind

Table 2: Evaluation of aspects of a contemporary modern home yard.

Home	function	environmental conditions control	Visual quality considering
Number 5 Home orosi	- Parking Ramp	-	- Greenness - See fit
Number 6 Home Farvardin	- children's game	- Green - Coolness - Humidity	- Beauty space - Refreshing space
Number 7 Home Jannat	-	-	-

Table 3: Timeline using the yard.

	Traditional houses			modern houses		
	Morning	Noon	Evening	Morning	Noon	Evening
Days of the Week	-Commute through the courtyard	-keep your hands in the pool	- kids game -Water gardens	Passing cars	-	- Passing cars
Monthly	Gather together			Water the pots		
	Cleaning the yard			Outdoor washing		
	Cooking in summer Cook aways			children's game		
Yearly	Retractable neighbours				-	
	Ceremony					
	Pruning of trees					

part we reach the following inputs:

Presenting plants in gardens;

Refreshing apace and air;

Light and its reflection from windows glasses;

Sky picture in the water pool in the middle of the yard;

Birds song voice on trees branches.

With regard to the peepers view of the yard, existing plants in gardens, andnefeshing space, light and its reflation from windows glasses, sky picture in the water pool in the middle of a yard, and maybe birds song on trees branches qualifies yard and house.

The above factors based on coastal principles annelids main rule, Jeer pregnancy rule once justifiable.Base on coastal pineapples we tried to fur very peoples conception from yard to understand yard quality from the viewpoint of optical.

All of the coast alt rules that are fur eyed are somehow under the penetration of pregnancy rule, (perfectibility) and constant location theory.

CONCLUSION

Environment roll in human behaviour formation is undeniable. A neighbourly relation in ancient architecture of Iran was a challenge which architect have noticed. Neighbourly relation cause safety and calm creation for a user. Worries of nowadays people didn't exist in past. Yard give identity to space that located together so that spaces based on their relation called a yard. Reasons for yard importance are as follow:

People tend to collective life: if people get far from collective life, tend to yard decreased and people tend to electronic device and Internet and don't need to yard because they tend to single life.

Human relation with nature: people have good relation with nature and enjoy of it. So yard can provide this need.

Visual relation with inhabitants: different space exist in a yard and light reflection bird sound cause to make relation and create ownership feeling to people.

Unity creation: yard space cause creates limitation and unity

for inhabitants.

People tend to group work: yard cause many relations among neighbours and increase tend to group work and also children playing in yard help to children socialization.

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