

In context architecture and its impact on the formation of residential areas (Case Study: City Zavareh)

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ABSTRACT

Living spaces in each region is influenced by culture , environment , society and history that shaped it is , without doubt, one of the first signs of human presence in every land , housing. Lack of attention to lifestyle , customs and culture in the design of residential housing would lower the quality of life and the loss of a sense of belonging to the environment. In the course of the continuation of the progress made lifestyle identity and sense of belonging in the historic district will strengthen. Home Space is the most detailed study can lead us to the concept of life in every culture. One important feature of desert areas to implement much needed housing units with regional climate that the city is located, is the aim of this study was to investigate the principles of construction and housing development in the context of the study (old city Zavareh). The research method analytical and gathering information using voice data , surveys, studies, documents, interviews and observations are . The results of this research is to analyze and review that was undertaken to explore the characteristics of housing in the city will imply that the old city set based on specified criteria, Clear objectives , defined needs and with full respect for religious and ideological aspects of his time and made no contradiction there have been issues raised regarding compliance with .

KEYWORDS: housing , field -oriented architecture , building , Zavareh

1-INTRODUCTION

Simon views the development of integrated bio -minded ideals associated with the development of different aspects of a sense of place that one of them is the character of the place a sense of place. Place not only refers to a geographical location but also represents the main character is a site that distinguishes it from other places to be . The landscape in places different aspects come together to create a distinctive environment and a particular locality make sense . New issue may be made available without worrying about intellectual fields . Only a few decades ago that modernism claimed on an unrelated issue with today's architecture , and believed that our time is special and different from the past should be architecture . And buildings that were designed as if it were a visual vacuum . Today, with more than 200 years ago, the foundations of modernism that has its roots in the 18th and 19th century romantic thought , Is not this attitude impacts every major city in the world has provided cause visual irritation [1]. Today conscience is the duty of every architect with human architecture (architecture similar to the climate and culture) is past its territory , Efficient elements and attributes to design a model that would recognize and respect the local architecture, vitality, Diversity , increase the sense of belonging , according to today's life and improve the quality of urban spaces to create a face full of concern , inconsistent and confusing cities improve . Vernacular architecture reflects the deep bond of human needs with responsive design and review is required it can be very instructive [2]. Accordingly architecture oriented to the field of architecture focuses attention on the environment and on the belief The balance between architecture and the environment can work together for themselves and for the background is a factor and amplifier . Field -oriented model to create a more favorable environment. Therefore, greater awareness and a deeper understanding of the context and environment is indispensable for architects and designers . Having the ability to provide solutions and to transfer the principles and concepts of historical experience in architecture that can be field -oriented architecture to help rush And not to repeat words and imitate the style of experience and have a special obligation to the arrival of a new architecture within the existing context [1] . Analysis that in order to discover the characteristics of housing in the city (listened to) do indicate that it will be accepted The residential fabric of the old city , based on specified criteria , clear goals , requirements definition and with full respect for religious and ideological aspects of his time and made no contradiction there have been issues raised regarding compliance with . Physical form of housing in the old city influenced by the peculiarities of taste and artistic landscape Bamhyt coordinate certain aspects of traditional architectural design and also very conscious

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compliance issues and the provisions of the hot and dry climate of the city And somehow managed to standardize the components of the original spaces and yet coordinated manner consistent high quality in order to build housing to Tuttosport [2]. So should seek a solution to the reunification of art and culture and tradition on the one hand and on the other hand the new technologies Other times art has earned its place in the architecture and materials that can be built in the city Zavareh As part of the areas to be addressed as part of the background to the building after its preparation .

2- The concept of residence

Residence , a roof overhead and a few meters from the ground is not broken . Location is a concept beyond quantitative concepts and material . Lourdes Vsas to accommodate qualitative concept , gives a sense of existence and is believed to reside in the place where it happens that there is a sense of belonging to a certain place . Location represent a meaningful link between man and his environment . This linkage of efforts to find an identity and a sense of belonging to a place is .

- 1- Meet others with songs traded products , ideas , emotions
- 2- Agreements with others , the acceptance of common values
- 3- Find small and its existence through global selection [3].

4-Contextualism

Finnish background means that a situation or set of circumstances or facts on the circumstances . And also to sense when something happens and it helps you to understand your Nrara. The provisions of context is in Persian means. And theory in the field of environmental design and design explores how new development should be linked with his background . In this context the meaning of the text , context and environment in which it takes place in the architecture and the content and the form it takes . Oriented field based on the principle that a phenomenon for single and separated from its surroundings imaginable and exclusive phenomena force , the essence of their internal properties but also on the environment depend on the collection. The phenomenon affect the environment and also the influence and interact with each other. In fact, the entire universe is interconnected and every detail is impressive total change in any component in the entire universe itself will put a certain effect . Schultz implications for understanding the spirit of the place Meaning and structure raises . Means any object that is rooted in its relations with other objects in that it brings together objects a thing by coming together thing. Instead of the characteristic shape and form refers to a set of relations . It Tavalae overall context of integration , compatibility with the field of physical , historical and socio- cultural field oriented according to which designer should be able to place the features of a bad sea and it 's part of their design process[4]. With the growth of regionalism and field -oriented theories such as concern for the environment and interact with it has become the main priorities in the plan . Through interaction with the environment and change in human capabilities that can give meaning to the environment [5] . Features living environment is what the environment has to offer , and he proposes [6]. Oriented field based on the principle that a single phenomenon separate from its surroundings can not imagine Exclusive forces and phenomena , nature and characteristics of its own but rather related to the environment and set its surroundings . In fact, the entire universe is interconnected and each component is effective in the whole and every change in the total universe itself would exert certain influence [4]. Hegel , Herod , Arnold Toynbee and Marx to point out the relationship between man and his environment and the importance of the natural environment have been recognized . Man-made places reveals his understanding of the environment , Completes and makes symbolization [3]. Authenticity and identity in the spirit of the architecture is evident in the fact that the architect and builder of the spirit in the body of the lifeless statue made it blows So this design is that in addition to performance issues , technical , psychological and beauty should also look to higher things other species. Issues such as culture , tradition , mysticism and philosophy , originality and identity of each country and human values should design buildings and cities and rules in terms of architecture and urbanism come to us again the same respect and the glory of his eternal return [7]. Remove historical background and lack of experience of their predecessors in regard to the context of the contemporary world will be a big plus . Loyalty to the history and culture of a country , memorize and repeat , the problem is not the use of templates and mimic their experiences and create new forms follow the concepts considered [4] . Architecture while connoting a place to distinguish clearly intends to continue the physical and non- physical place or available to field calls . However, the creation of new values does not negate the basic approach underlying values of the field of consciousness and its continuation in the future [8]. Endo says Stop so that the architecture of the discovery materials that the site it takes , in his opinion in the field of architecture and interactive two- founder of the architecture. In this context the meaning of the context and environment in which architecture is formed and covers both content and form . So the construction of complex physical and biological objective in any climate is influenced by contextual factors The

study of these factors , including the exclusive properties of the physical , geographical , climatic , social , cultural , economic and historical principles go Which can be clearly and make the design of the residential complex in the city listened to pay , which is best suited to provide the context and expectations .

4-The history of activism in the field of architecture

Field-oriented architecture that was introduced around 1978, was a subject that was used in a wide range of experts and critics . Design considerations in the context of a building if it is not progressive least not hostile to the Field-oriented architecture is a way of creating architecture To design a new building is homogenous and consistent with architecture[9]. However it can be involving local architectural traditions , beliefs , culture and religion or involves historical and social topics . In fact, field -oriented architecture Learn how to create that visual communications -term consistent and homogenous buildings can be used . In fact, the space has been created for sense and meaning in the context of the phenomenon that appears to be understood[1].

5-Historical context

As in the creation of works of art , there is always a special place for the areas in the field of architecture and urbanism also a fortiori , the field will be important [10]. In other words, you must know the context of active and passive vehicle for the creation of architecture and urbanism placed . In this context , in terms of factors and components natural or synthetic that it is never passive and affected not only emphasize the role and impact that it sits on , will affect[11].

6- The history of activism in the field of architecture

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7- Objectives of the Field-oriented architecture

Specifically always difficult to agree on compatible or intolerance there . This problem especially when contrasted with the fact that it is building a favorable environment becomes more complex . Field-oriented architecture old and new architecture compatibility between our vision and approach to building designers and observers , before the advent of modernism establishes the desired connection . Brolin views :

- 1- Specific problems of small and linking new and old buildings , before being larger and therefore more abstract issues entered. He believes that lessons can be drawn from small problems , will lead to improvement in a larger scene .
- 2- The purpose of the revival of historical styles , but the restoration of an attitude to the field of architecture. So that architects , city Slzan and investors to change their visual impact on the surrounding environment to create , to have a deeper look .
- 3- Field-oriented architecture not want to maintain the status quo and preserving incentives balm is not in the old , although in some cases it may be desirable .

Read more about the background completely forgotten one of the tasks of architects , city developers and builders today. Favorable relations architecture , the copying of architectural styles or even follow a long list of Mylrhay unquestionably the design does not depend on relationships that are intuitive for those who continue to be concerned about the environment , in a vehicle . His hands were rough designers to create a consistent visual communication styles to a minimum. The result of this procedure , consistent face to the street which is very rich visually . This integration is achieved mimic stereotypes and visual richness , but thanks to attention , precision generation that the life of a street with various extensions but are guaranteed compatible [1].

8-Factors affecting the housing

Housing is a multi -dimensional space and the result of combining multiple factors are formed . In general, two groups of factors in determining the shape of the housing is more effective .Determinants and factors affecting. Culture is a determining factor . In general, the formation of housing and the environment can not get away from the influence of cultural factors , and it would be there in all human societies . On the other hand should such factors as the economy , technology , climate, materials , and ignore your love . Arguments can not be one-sided, one-dimensional shapes and different take on the state of housing in indigenous architecture . In the field of housing , more than any other factor is influenced by culture , the culture of that complexity . Its elegance at the same time other factors will determine the shape of the building . By studying native and elementary buildings as a result of the tendency of a people , the demands of the cultural and physical environment as well as artistic desires and wishes are , we can conclude that building a deep interactions of humans and nature[12].

9- The impact of culture on housing

Home category of culture , not nature and function -oriented language instinct to house a biological need that culture is shaped house to meet these requirements . Culture House is a subset of the whole society . It is permissible to different historical periods , different cultures has created and still creates home . What makes this house interesting mix it with the whole culture and civilization. You should come home more than anything or social and cultural structures and not purely structural materials , wood , stone . Of land and a house of their own means of achieving privacy. Privacy is where one can relax and kind of self and individuality of the demands of life and behavior . Home cultural space that separates us from the other and yet we live and coexist with others possible. The concept of privacy and individuality , cultural meanings that vary from culture to culture [13]

10-Nature impact on housing

Human impact on nature : nature and desires , relationships and social organization , insight and his worldview , lifestyle , individual and collective needs , customs and traditions Nature impact on human environment: Factors and physical aspects such as topography , climate, materials found in nature such as the sea, the mountains , the desert and ... [12].

Houses most of the other forms of human production by the climate , site and access to the materials selection and construction techniques have been affected or appointed . Of the determining factors in the form of housing is climate . The resulting climate factors such as temperature, radiation , air flow , rainfall, vegetation . To achieve thermal comfort shall deal with these factors to some degree of balance between these factors and environmental stimuli occur and the body loses a lot of heat exchange with the environment rather not receive heat . Because every building must meet in terms of climate, heat , cold , radiation, land and sky , reflected heat is absorbed and other climatic factors . [14]

11- Procedures associated with the nearby buildings

In any case , if we want a new building , bonding with its adjacent buildings , the adaptation of the original theme or form is inevitable . This connection can be done in several ways :

- Close copy of the original design themes available
- Using the same form , but with the new arrangement
- Invented a new form with the visual impact of the old form
- Abstraction , primary forms

Despite the things that can be matched with the field of design postmodernism away, many field -oriented design trends in favor of postmodernism .Postmodernism diversity , symbolism , and ornaments returned to architecture and design learning in different styles , from the requirements of the design is compatible with a variety of backgrounds and environments .

12- Solutions respecting the homogeneous visual appearance of a neighborhood

If we assume that in a neighborhood visually homogeneous , the architect is trying to honor its homogeneity , two basic solutions , and some other interface in between there are solutions .

13- Create a more ambiguous relationship with the field

Many communities can bring together old and new buildings tolerate or even benefit from it , provided that the new language features in the field of communication is desirable.

14- Closer to the field

A more direct way to link the new architecture with homogeneous visual field , the main theme is more or less directly inspired by the style should be available - or early modern or is late Baroque . Will maintain visual continuity in a neighborhood means that no change is possible ? Create a sense of visual continuity means balm is not a neighborhood . It should be clear from historical examples . Diversity , innovation and change in scope of a consistent visual tradition possible[1] .

15- The effects of climatic characteristics and how to use technology building on the old texture of fabric Zavareh

Zavareh city in areas such as more hot and dry texture is compact and climatic factors such as wind and humidity , light and temperature in the design of urban spaces are effective So that review of old buildings in the city shows that the design of buildings based on solar energy , moisture , temperature, and wind neatly done enough And compressed textures and colors and heavy materials and design buildings windows and vents , all the signs of past generations in skills match the architectural environment [15]. In this town , due to favorable winds in summer (wind Khorasan) , the entire fabric of the city (main thoroughfares and alleys and buildings central courtyard) , facing the wind and the sun warm summer afternoon and Taft. Map 1 [16]



Map1. The arrangement texture map of the path of the sun in winter and summer and favorable and unfavorable wind conditions in different seasons Source: GHOBADIAN 1384

The houses also have listened to or to the East or to the north . The latter kind is cooler than the summer stay And in either case the combination of summer houses is such that the majority of the summer afternoon sun safe and proper order against the winds requirements . (Figure 1) [17]

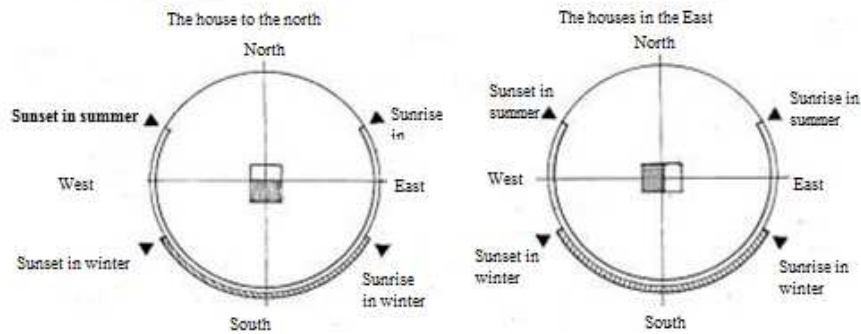


Figure 1. The orientation of the house and its effect on receipt of the sun during the day

Source: Guide Plan Zavareh 1988

The southern side of the Four Seasons , the same part of the summer settlement , is frequently much higher than other parts of the house and of summer living room in most homes for four or four porches gallery And a four- arch located on the top part of the room provides light and ventilation (Photo 1).



Photo 1. Four arch on the house

Chharsfh on the sides of some of the rooms that are larger and are known as spring house , often a pair of short, four -sided tower , and if these spring house , cellar BE , wind tower , in addition to the basement of the pool house that way. (Photo 2).



Photo 2- Windward is the pool house

The materials used , like other villages and towns similar , mud , clay and bricks and the windows are wooden. Wall thickness is relatively high. [16].

In general, the tissue characteristics of the city can be named the following:

- Very dense and contiguous urban fabric
- Totally enclosed urban space
- Narrow alleys and irregular , and sometimes covered with vault
- Buildings connected
- The distribution of bio-based packaging to sun and wind [16]

The benefits of dense tissue can be mentioned the following:

- Ease of movement and access
- Possible climatic comfort conditions
- Reduce the impact of hot winds and annoying dust
- Ease of security in the city and in various ways within the context output [15].

15-1. Introduction of housing in the city Zavareh

Analysis that was conducted to explore the characteristics of housing in this city will imply that a residential fabric of the old city, Based on specified criteria , clear goals , requirements definition and with full respect for religious and ideological aspects of his time and made no contradiction there have been issues raised regarding compliance with . The physical aspect of housing in the old town has very consciously in harmony with the environment and climate issues and the provisions of warm and dry And somehow managed to build a house , or so-called standardized components Pymvn the form of a hand , yet harmonious parts of the original spaces and high quality in order to build housing there . Composition and spatial proximity of residential units , requires that always one or more space , they are more important than other areas . That's why the city Coordinates desert dwellings in accordance with the climatic characteristics of the region has caused several major spatial element , are of particular significance [18].

15-2. The effect of climate on building plans in Zavareh

Plans for the building and listened to compact as much as possible we tried to respect the outer surface of the building volume is low. This makes the heat transfer through walls , both in summer and in winter to minimize heat intrusion into the building and to a large extent in summer and in winter it avoids waste[19].

15-3. The form in Zavareh

The general form of the city are as follows:

- All the buildings are quite introverted Vmhsvr
- Despite the wind and enclosed courtyards in buildings
- Building floor below street level
- Height relatively large room
- Often arched vault and dome
- Relatively thick walls [16]

15-4. Cover houses (roof)

The roofs of buildings in the city due to low rainfall and shortage of wood in the form of arc , arch or dome and no skeleton built of adobe and mud. [15]Also due to the large termite vault and dome covered with short height and uniform used [20] In house pool house , a combination of ceiling track , Kzhavh , Klnbv The gallery houses some 2 modes: (Figure 2)

1- Gallery with ceiling track and the central vault of the ceiling track Klnbv straight from the start and in the middle is a Hrnv.

2-Gallery and rooms surrounding the use of the arch and vault Klnbv Kzhavh the house sits on 4 vaulted from fourth side is light [21].

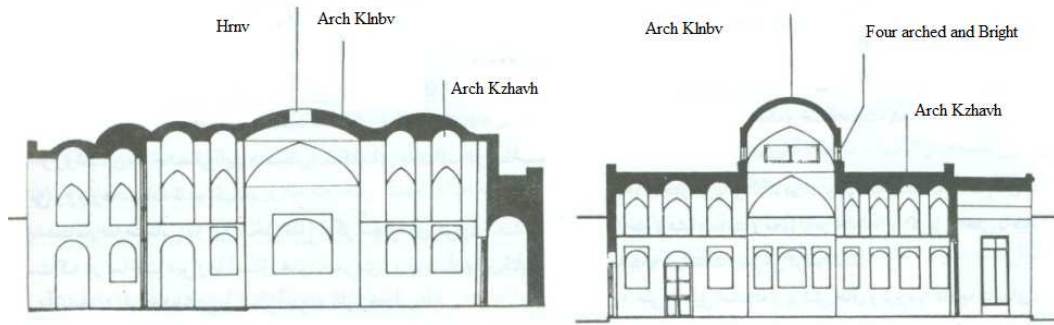


Figure 2- Roof Coatings

15-5. The effect of climate on the formation of different kinds of houses and buildings in the city plan Zavareh

Plans for the building and listened to compact as much as possible we tried to respect the outer surface of the building volume is low. This makes the heat transfer through walls , both in summer and in winter to minimize heat intrusion into the building and to a large extent in summer and in winter it helps prevent waste [19] . Design houses have listened to the little town area of great diversity. Zavareh like most of the houses in Yazd and the surrounding desert and what appears to be the appropriate shelter warm and dry summers and cold , dry winter.

Organized houses have been listened to in two different forms :

- 1-An important element in organizing yard and pool house is split houses
- 4. [21] 2-home gallery with two main axes intersecting at right angles to the ceiling of the Houses built in Zavareh can be categorized in four types: (Figure 3)

- 1-Profile of typical houses
- 2-Avon home of
- 3- Home spring house
- 4-Houses four gallery

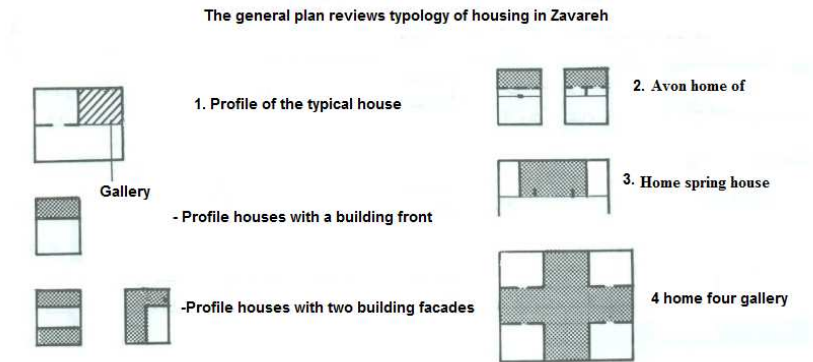


Figure 3- Categories of houses built in Zavareh

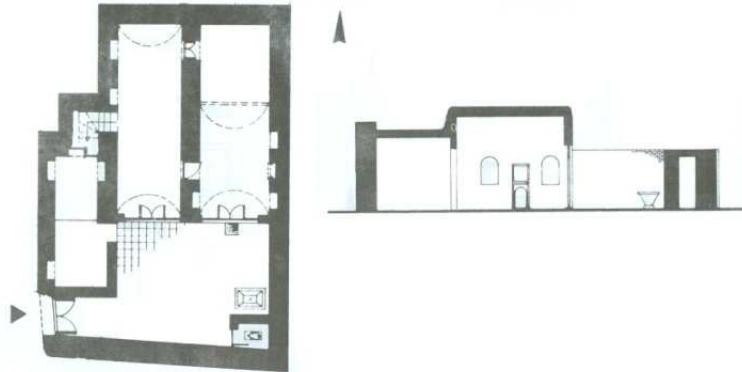
15-6. Profile of typical houses

This type of house is a combination of gallery spaces and rooms are located in a side yard . The simplest sample includes a gallery and room and hallway in the yard is behind it. Open the gallery and courtyard rooms with two , three or four openings occurred. Gallery in the middle of , behind or on the side of the room is. (Map 2)

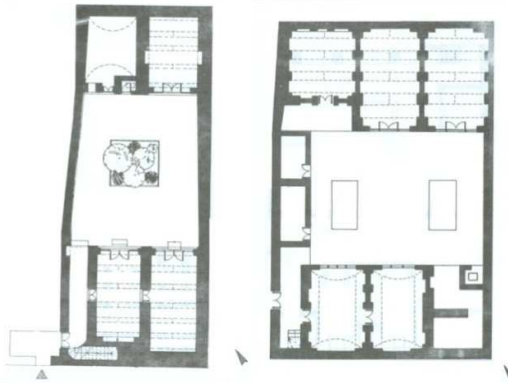
15-7. Profile houses with two building facades

Feature courtyard houses in all parts of the country , the development and deployment of these places in front yard . Zavareh similar in this way in a number of homes, spaces located in front of a house. Combining gallery and rooms on either side of the yard in two perpendicular (L) form and has been met. In simple types because of the small yard spaces on two fronts facing each made the most of the space on each side of the two or three space increased. In other types of spaces are L shaped spread . In general the design of the houses and the land affected

by the length or width of the room or in the courtyard located. The L shape , facing the eastern side eivanchehs spaces made in order to create a built- in time of day. (Map 2-5)

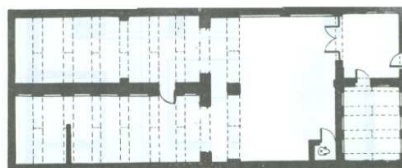


Map2- House with a simple gallery and gallery together with two small courtyard



Map 3- A home gallery with spaces on both sides

Map4- A general home with two gallery spaces in the yard

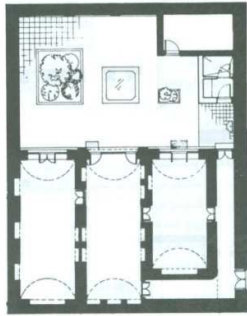


Map5- A house porch with two spaces together

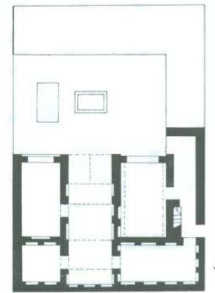
15-8. The porch of the house (three parts)

In addition to the general number of houses and rooms , semi- open space in front of the rooms have columns in various forms. This type of house of Kashan in part as an element of local architecture can be seen but not dominant Zavareh. Ivan is usually located in the northern part of the courtyard in front of the room. In simple examples porch just in front of each room and other spaces not within it. On the other , Ivan relationship with other spaces are several ways to make. In another example porch just in front of a room and other spaces of the way. Common examples porch across the front of the room to be and connect all the rooms it provides. One of the interesting species , a combination of room , gallery and porch and in the yard we can see the inner and outer. Covered porch with ceiling track and curved Klyl is usually a nice way sits on columns [21] . These types of buildings are listened to , has a simple plan and a combination of three main rooms there (hence the name it had placed three-part) Compared with the platform and the type of pool house four houses , special facilities and exchange views on its temperature , no wind or ventilation in the roof is not installed The scale usually 3/1

houses four equal platform and the orientation is a function of position and making ground but is usually made in North angle (Map 6,7) [18].



Map 7. A house with a three-part plan to expand the house



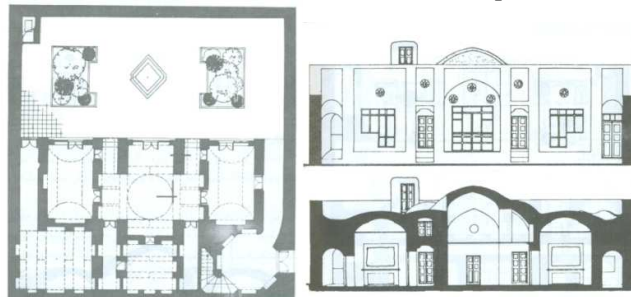
Map 6. House of three parts

15-9. Home spring house

It houses one of the species is quite common in Zavareh. It is not clear why the name means spring house. This three-door or five-door house combines a room or sash and ripped abdomen is usually in the form of lateral spaces like hallways, eivanchehs or rooms. Usually, the two sides it was summer and winter areas. Summer is usually the abdomen torn open room doors and window sash or several (three-door and five-door) with the yard and its elements like the pool and the garden has been created. Perhaps the direct visual connection with the room and the pool, due to the spring house is named for houses. In fact, the spring house houses a gallery between the houses are simple and kind of four gallery. (Map 8 and 9)



Map 8- Home spring house expanded and different spaces in a front yard



Map9. Home spring house design and different spaces in a front yard

15-10. House four gallery

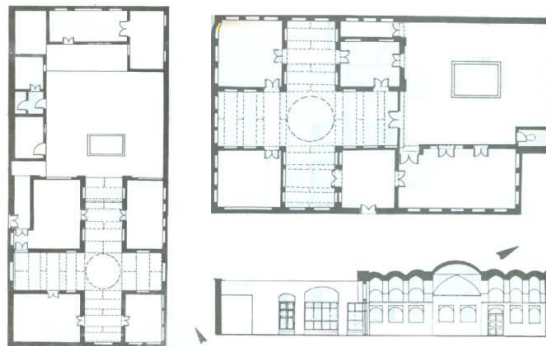
Four general in Zavareh most important element of the architecture of the city is the main factor distinguishing the desert cities. Profile in relation to other elements in the space of four houses, a main function of square plan form is close to that of the combined space is created four volume. As specified in the cross-shaped plan is a way of opening each volume, and thus has achieved great atmosphere and at the same time

separated. Meanwhile, the final plan four gallery spaces, including collateral in the form of a set of spaces with different functions there. Space element four gallery space used in the summer are the best people in the house. How to use it in this way is to create blind and ventilation space, in the center of a four-arched gallery which four are open to the surrounding environment through air intake and heat exchange is possible. In homes with four general approaches are made, sometimes in the cellar built underneath it, usually with a small hole in the floor space of the basement with four gallery. There is no reason in this case is that Curran air from the main air ventilation to the basement floor and in the back to create four general Curran help cool air and a more complete performance of the amenities the created four general [21]. Four common spaces with other spatial element composition in general, could lead to a simple combination of a plan as follows. In some town houses and residents affected by the financial strength, the construction of four general and in relation to other spaces, with different combinations. For example, four general are With only four rooms and the basement are designed around four general and sometimes a small part of the house is usually in terms of the orientation of the building, on the north side of the house, and bowed to the southwest (to Mecca) to be made [18]. Cover and rooms in general or for a song or Kzhavh. Also in the house or four-arched vaulted skylight by Hrnvyva four were performed.

Different species of four general design which in some ways are different:

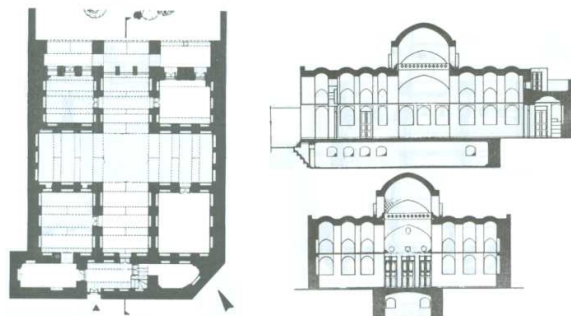
1. Four general that four of the gallery, rooms with different dimensions.
2. Four gallery rooms that face the gallery of equal size and regular.

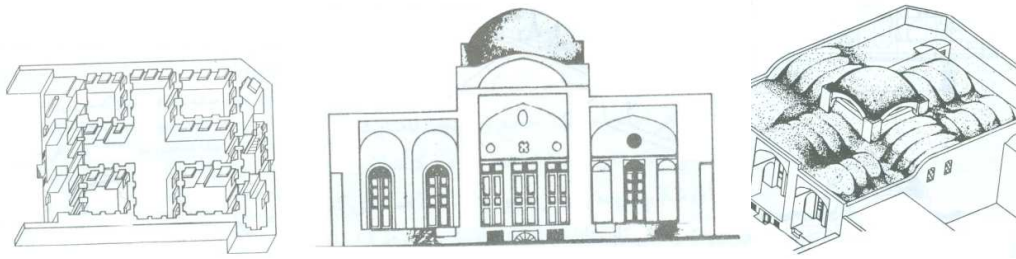
According to the account of the first type are not identical, the rooms also have the same size and in position for the next general have longitudinal or transverse. Blend into the house through the gallery and in a sample of some of the rooms has been one of the. In the second type of account made in accordance with the size of the room and entrance to the house is also mentioned as one of the states. Four two-storey houses has also expanded gallery. The staircase to the first floor corridor in some cases in general, and in other cases by a steep staircase from the hallway leading to the courtyard has been. (Map 10- 14) [21]



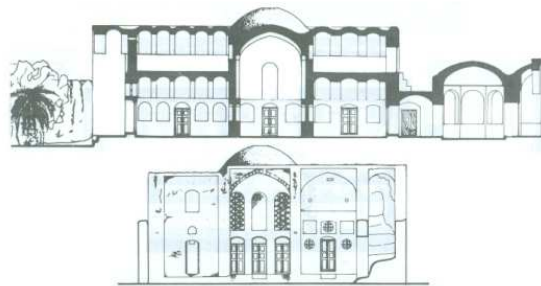
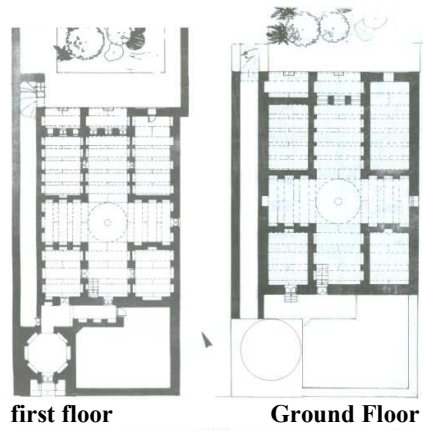
Map 10. House with independent entrance from the gallery are four gallery

Map 11. House four general with input from inside one of the rooms

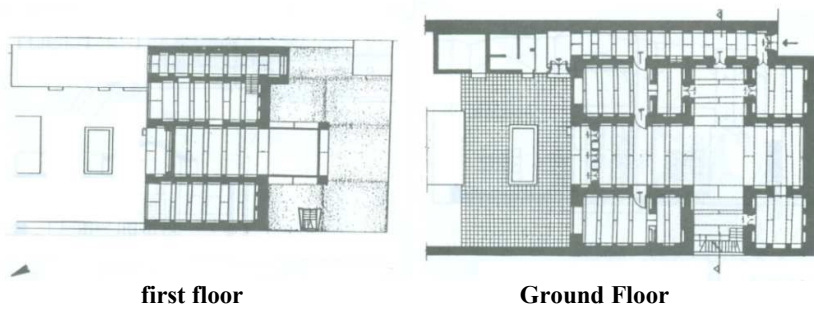


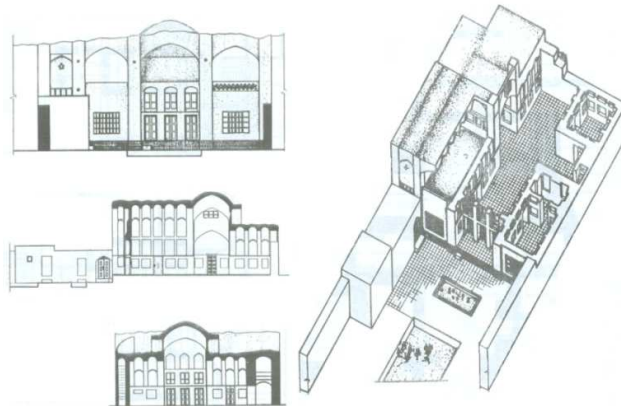


Map12. House four gallery



Map13. Four two-storey house gallery





Map 14.Four two-storey house gallery

5-11. The type of materials used in Zavareh

In the design of buildings is one of the factors that influence climate on materials , lack of knowledge of the physical properties of materials and how to practice it in different climates will weaken and possibly destroy it [22,23] . Building materials in the construction of adobe and mud walls and roofs of different capabilities it is used properly used and less Bricks. Wall thickness is relatively high , which in addition to strengthening the stability and modulates the temperature fluctuation during the day are [20] .

The reason for this unit can be summarized in the following cases :

- These materials are abundant in the area and preparing it is cheap[16]
- Texture and color coordinated and eye-catching aspect of the materials to create
- Ease of use of these materials
- High resistance of these materials to the burning rays of the sun and its insulation to prevent energy losses within the space heating in winter
- Offset fluctuations in temperature during the day in the building because the materials are warm during the day and late at night, long after the heat
- Earthquake resistance because of the integrity of the brick buildings
- Mud and adobe after drying to create a strong hand that heat and solar radiation as a thermal insulation work[15].

15-12. So check ups houses

The houses Zavareh associated with what is happening in their plan. Each view has its own species observed and finally offered special form. In its simplest form , the gallery of the House of Common , combined indoor and gallery rooms are semi- open. In addition to its own house porch front porch of the facade created a visual continuity. Ivan houses with porch space for each room behind it spaces out the vertical Jrz · hay sitting in front could be identified. The combined spring house houses middle space , hallways and side rooms next to it like other Iranian homes with central courtyard. This similarity is more significant in a variety of sash. In addition to the exterior gallery houses four (two rooms in the middle of the gallery) vertical shells into the gallery of the main facade home. Kzhavh and behavior of repeating arches and niche below them create visual diversity and at the confluence of the arches in Arches house has separated them Klnbv. The beautiful combination of color and light middle , has created a relaxing atmosphere. View of the courtyard houses built with minimal decoration. The overall appearance of the house in the homes of four prominent arches Zavareh your account is distinct from other homes [21] . In the traditional context of the city or any pop-up window will not open outward And only opening it up is related directly and immediately outside the entrance to the building leads them out [15] . The number and size of windows in buildings in the city have fallen to the lowest level possible [19]. Usually the front window shield brick lattice materials by dry desert winds to penetrate into the building in summer and winter control[20].

General characteristics of houses in Zavareh can be presented as follows:

- Introspection and enclosed spaces
- Having certain components such as underground construction , basement , porch , tower and central courtyard
- Often arched or domed ceiling height is relatively high and relatively thick walls

- The lower floors of the buildings and courtyards roads
- The plan is designed in the context of the traditional buildings of the city , daily activities , in accordance with the path of the sun to separate spaces within the house apart , leading to savings in energy consumption have been better. So that the detached house , leading to savings in energy consumption have been better. So that the hot and cold indoor spaces with the direction of the sun and heat gain , are leading to energy savings. This summer both the living and stay the winter in the south and north of the house called fog fall.
- Use thick wall with heavy materials , creating a roofed atrium , entrance by planting trees
- Materials used in the construction of mud brick buildings , because it is a high capacity heat [16].
- Land use as a heat discharge vessel , with the building in the ground
- Water and plants on the side of the building to provide shade and evaporative cooling [24].
- The houses are usually facing the Qiblah and made according to local wind
- The number of houses the main palm tree vegetation yard
- Within foreign foundations or basement if the trailer is 4 blocks (about 8 inches) , and if the foundation is inside or mediator is about 3 blocks or brick-and- half
- Input houses have listened to , by the caller into the head. Input the number of houses completely separate from the interior and it has made on several fronts. But a large number of houses , especially in four general categories of input elements , spaces located along or near the other. The gallery houses one of the four common circulation routes , passing through the vestibule to the platform is known as the gallery halls[21].

15-13. Architectural elements used in buildings Zavareh

In hot and dry from ancient times to provide more comfort measures considered. Zavareh in weather , winds, very high temperatures and other limiting factors caused certain elements on the vernacular architecture of the region. Some of these elements include Ivan, Profile , wind and underground , summer and winter ghetto dweller , the central courtyard and ... [23].

15-14. Avon and it 's because of climate Zavareh

Porch to sit sometimes said to be higher than its surroundings , usually in the outer parts of residential buildings to be built. Ivan usually open courtyard space between the outer and inner chambers is closed. So in winter and in summer temperatures as the link to create shade and Kuran used air. (Ibid)

15-15. Natural ventilation

With a warming climate, from this period onwards, Zavareh experienced a descending trend in people's economy and welfare. The predominant platform like pattern and especially the four-platform pattern continued with some differences, including windows and small openings or pores in place of large openings to prevent sand ingress [25]. Two basic developments in ventilation styles are recognizable in residential architecture in the later Safavid period. Both provide the addition of high level openings and, unlike the former citadel building, there is ventilation contact between the ground and first floor spaces. However the traditional platform approach consisting of four platforms in the form of a cross with four rooms (one in each corner) is maintained. The first of these styles is a Cupola design consisting of a high dome roof over the centre of the building with a central opening at its apex (Figure 4). Increased wind speed at high level creates suction across the top opening to enhance ventilation flow rate. Lower level openings provide outdoor air to the space. Surrounding walls may also be used to provide protection from sand. The cupola design therefore essentially provides a suction or extract ventilation. The second approach uses a 'helmet' dome (Figure 5). This is, similarly, a high level dome but it is square in cross-section and has high level vertical openings on each of its four faces. This generates a strong driving force for ventilation by the direct positive pressure action of wind on the windward face (or faces) and a strong negative pressure on the leeward side. Thus ventilation air flows through the windward side (or sides) and is driven out through the leeward side to drive ventilation within the building. The benefit of cupola and helmet designs are that they are exposed to high level winds that provide more driving force and avoid the poorer conditions closer to ground level. Also, by providing an open air path between floors much improved ventilation can be achieved [26].

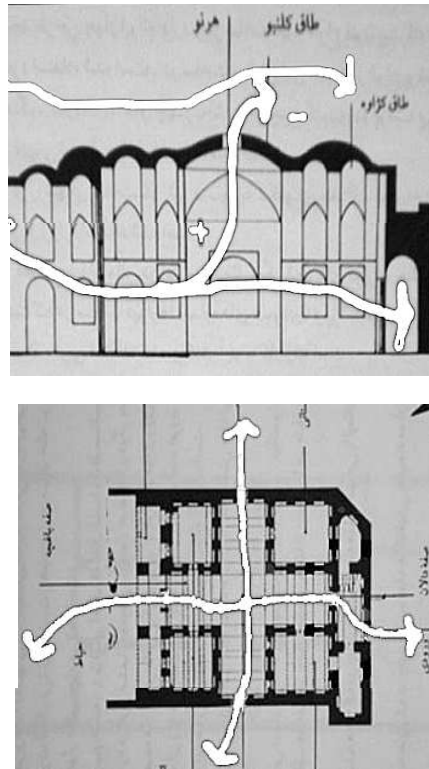


Figure 4. roof details, (a) flow paths
(b) plan view showing 'cross' structure of ventilation path.

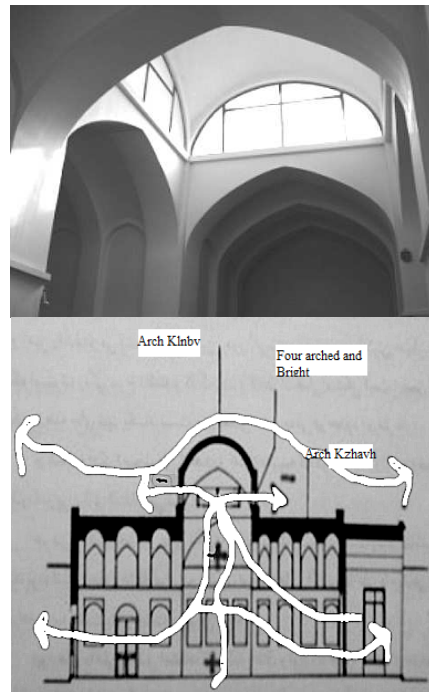


Figure 5. Helmet style building (a) roof details,
(b) flow paths .

15-16. And there stay the winter because of the climate in Zavareh

All spaces are made on the northern front yard of the winter sun that shines with angular wish to use the room , said to be predominantly winter. The main living space on the main axis of the winter sun to enter more often large sash windows make it [23].

15-17. Summer living and climate because of its presence in Zavareh

Summer living in a situation such as winter has settled with the exception that the South front yard located Protected from direct sunlight in the summer and the main axis of the hall are usually semi-open space. The hall and porch except in very cold situations are the most important living space in the house And although always have decorations , but with regard to openness and dust , very complex decorations in plaster avoided and simple designs combined with mud bricks or wire has been convince. (Ibid)

15-18. Because of its presence in the yard and climate Zavareh

As mentioned, the fluctuation of temperature and moisture content of the air in the city is much less than human comfort. The sun and heat in summer environment has created a hot and dusty desert winds that on many days of the year is going to be detrimental to comfort. Therefore, creating an enclosed yard in front of the building and placed a garden pond construction , increase the humidity in the building And brick walls and arched brick for load-bearing arches and domes are made with relatively large thickness such as a thermal capacitor during the day to reduce. Put all the openings are relatively mild and humid air courtyard and exterior wall blocking communication inside or outside living space As much as possible small cut and a climate suitable for human comfort in the arid climate of the region[16].

15-19. Housing and Urban Development Zavareh situation in the

Of housing in the context of developing a new all old cities , including the city listened to follow the common perceptions and patterns of the fate is now in the city Which certainly does not respond to the real needs of its residents. What seems indisputable is that the social facts - historical period, the urban complex biological past that we draw the line changed And people have the right to demand that their needs in harmony with the values of today's society , but how ? Can the people by preaching and praise encouraged to life in the context of old ? Undoubtedly, understanding the physical value in the old , as the launch pad In order to draw future lines of contemporary architecture and modern society , the most important tasks that the way it should go And flawlessly on various aspects of studies and research and relied on our community to discover a new culture in the city of attempted. Key developments and innovations in architecture and urban planning trends future of our society to mingle with the values and rules were codified in the past And therefore must understand the rules and regulations of tomorrow based on yesterday 's foundation[18].

16- CONCLUSION

To gain valuable experience of the past in the city , it is necessary characteristics to be studied traditional texture And the advantages and disadvantages in relation to the machine 's life turned so that the solutions to the use of the experience gained in today's cities Principles of formation of architecture in historical context , its value and solutions tailored to the needs of today And the recognition of traditional architecture of the houses have listened to and review historical context specifically , The greatest harmony with the environment , culture and customs of this region , some of the features of this tissue can be as follows:

- 1- Maintain a central courtyard and four general pattern
- 2- Introversion plan and façade

After studying traditional buildings have listened to the historical context was concluded that there are elements of several buildings That can be used with minor changes in the new buildings , the use of these elements must be of materials That according to the principles of modern construction and regional climate conditions , the effectiveness of the elements in today's life in addition to maintaining its originality .

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