METHOD OF DESIGNING OF THE ELITE DWELLING FOR THE COHABITANTS WITH DIFFERENT PSYCHOTYPES

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INTRODUCTION

Relevame of the topic: Modern technologies and methods of designing elite dwelling offer many different ways to achieve the best results for stays of comfort for potential buyers and owners. But the effort largely aimed at physiological comfort, psychological aspect is very rarely included. If psychology is still considered, anyway, it focuses on the psychological characteristics of the so-called "common man", and individual characteristics psychotype specific buyer or owner does not count at all.

And if you live in one dwelling several cohabitants with with different psychotypes, as they pick a good design solution that would satisfy everyone, and at the same time was correct in terms of design and architecture.

It is therefore extremely important method is to create a single design solution of choice of elite dwelling to be psychologically comfortable for several cohabitants with different psychotypes.

Analysis of latest research: J.N.Kovalev and N.M.Mkhitaryan developed a design methodology psychologically comfortable residential property for various psychotypes, but not treated task create a single design solution of choice of elite dwelling to be psychologically comfortable for several cohabitants with different psychotypes.

Aim: consists in the development and implementation in practice of of designing a single design solution of choice of elite dwelling to be psychologically comfortable for several cohabitants with different psychotypes.

Tasks: describe the sequence of method of designing of the elite dwelling for the cohabitants with different psychotypes on the example real interior design an elite three-room flat for a family consisting of two adults and a child.

Expected scientific novelty: to determine for the first time method of selecting a single design solution of choice of elite dwelling to be psychologically comfortable for several cohabitants with different psychotypes.

Expected practical implementation: the results can be used in the formation of elite

psychologically comfortable of elite dwelling in the city and outside it, with the development of normative documents, teaching handbooks for designing different types of elite dwelling.

1. DEFINITION OF THE PSYCHOTYPES OF SEVERAL COHABITANTS

The method begins with the definition of the psychotypes of several cohabitant of elite dwelling. This procedure can be conducted as short and expanded ways.

Short way is testing two types (Psyhoheometry test "Definition of the psychotypes" test "Comprehensive assessment of psychotype according to the level of interaction in the system "man-dwelling-environment"". As a result of this determined psychotypes of several cohabitants and individual coefficients to refine the formula for you. The disadvantage of this method is a percentage error of the reliability of the result, and advantage of speed, because not all potential customers are willing to take on extensive psychological study of personality. Short way often used to determine the psychotypes, among many respondents, during the various opinion polls that need quick results, as the time limit.

If the definition of psychotypes concise short way is not enough, there is a need for comprehensive testing and there is enough time to appropriately use the expanded way.

Expanded way includes comprehensive assessment of a human personality [6]. We evaluate a person's ways of communication with the external world - either directly or through the indirect indicators by identifying the motivations. Let us use complex tests first, and then we shall supplement them with the methods of identification of individual characteristics.

1. The scale of the significance of emotions by Dodonov. Life should bring joy, i.e. positive emotions, which the everyday life so often lacks. What are those emotional states that are able to bring pleasure? They can be determined by ranking emotional preferences.

- 2. Evaluation of egoism. A short explanation. The easiest way to determine the degree of the development of egoism is the egotism, the verbal expression of self-centeredness when a person continually uses the word "I", "My", "I have", etc. The more often these expressions are used, the greater the person is concerned with his or her persona.
- 3."Aggressiveness" method (the modification of the Rosenzweig test). The test described further is designed to assess the degree of development of aggressiveness in a human being, understood as a tendency, which is not caused by the objective circumstances, to react with hostility to the majority of statements, actions and behavior of other people. Aggressiveness is a personality trait, which expresses itself in more or less constant hostility of a human against a human, animals and objects of nature and material culture, the tendency to their destruction and unprovoked aggressive actions.
- 4. Intelligence assessment. H. Eyesenck IQ Test. Perhaps it is one of the most famous tests. In general, the higher score you get the better. However, it isn't worth giving an "absolute" value to the achieved results. Testing methodology is not perfect; in real life there is an integral person who acts, not a separate intelligence that doesn't have a definition. As a result, for example film actresses and boxers, who, according to the public (prejudiced?) opinion, don't have high level of mental ability, join the prestigious international club for "those who score higher than 160". Therefore, we present two more rather simple tests.
- 5. Testing the sense of time-space organization. On rectangular sheets the drawings of "*Tree*", "*Elephant*, "House", etc. are made. Based on the location, details, proportions and compositional principles, the emotional characteristics, activity/passivity and time-space preferences are determined.
- 6. Sensation-Seeking Scale (test by M. Zuckerman). The test is designed to research the risk taking tendency, estimation of the level of personal need in seeking different new sensations. The search for new feelings is of great importance for a person as it stimulates emotions and imagination, develops creativity.
- 7. Evaluation of resistance to negative external influences. Scale of situational anxiety by Spielberger. Anxiety the tendency of a person to experience the emotional state which manifests itself in anticipation of adverse events.

Personal anxiety and situational anxiety are distinguished. This is important when considering the possibilities of compensation of such a state

during the design of a dwelling. Situational (reactive) anxiety – this is the behavior that looks like the one mentioned above but which, however, is not associated with the presence of personal anxiety displayed by people in certain (but not all) situations. In unfavorable circumstances, reactive anxiety can develop into personal one, i.e. the anxiety can become a stable trait of personality. It is obvious that the means of compensation should prevent such course of events.

That is why the study of such types is very important life-related task.

- 8. The scale assessing the level of personal anxiety by Spielberger. Personal anxiety a basic personality trait which is formed and fixed in early childhood and becomes apparent in sustainable situational anxiety of a person expressed by a state of increased anxiety in a threatening or seemingly threatening situation. Obviously, in this case only minimal compensation is possible.
- 9. Assessment of stress tolerance of a person. Conflicts, as well as a number of other negative life factors, create nervous state and often lead to stress. The proposed test will help to assess stress tolerance. For an objective result, sincere answers are necessary.

Thanks, psychotypes expanded by definition can not only more accurately determine the psychotypes owners, but also to choose the specific measures to achieve an integrated comfort with regard to the results for each component of comprehensive assessment of personality.

In this case, we determined psychotypes cohabitants expanded way. So, psychotype of husband is "*Up-and-coming Researcher*", psychotype of wife is "Contemplator", psychotype of child is "*Fighter*".

1. DEFINITION OF COMPLEX PROFILE OF COMMON PSYCHOTYPES

Defining psychotype each cohabitants, to analyze that psychotype stands dominant and which secondary. Summarizing the results of a comprehensive evaluation of psychotype according to the level of interaction in the system "mandwelling-environment», obtain a complex profile of the common profiles as follows.

At fig. 1 shows a profile of the first cohabitant. Considering the figures for the level of interaction in the system "man-dwelling-environment" apparently the husband belongs to psychotype "Up-and-coming Researcher" [6]. He rather likes predictability, order and stability:

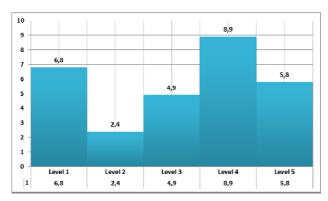


Figure 1. Profile of the husband.

"Money loves peace and quiet". But within these limits, he can be quite vigorous, energetic and intelligent (mind prevails over will), both in business and in science. "Strengthening of the mind" takes place mainly at the expense of the senses, and some people even know how, consciously or not, to sublimate sexual energy for "creative goals", which was noted by Freud. Demands for the dwelling are as follows: a strict and conservative style, clear and time-tested solutions, and calm tones of the interior – however.

At fig. 2 shows a profile of the second cohabitan.

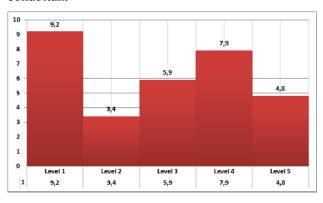


Figure 2. Profile of the wife.

Considering the figures for the level of the system "man-dwellingin environment" apparently the wife belongs to psychotype "Contemplator" [6]. Here, the same as for the other types, the balance between the levels is already broken. Since the total value of the potential is constant, the increase of certain qualities - in this case, intuition - will be at the expense of others above all. the ego and will. Therefore. contemplators are inclined to have a quiet way of life. As for the dwelling, their requirements are minimal: it should be located in a quiet, beautiful and, if possible, deserted place and meet their biological needs. The next aspect is its adjustment in accordance with the mood and health of the owners. Here, both psychological and physiological research is needed, plus improved management programs. In addition, the progress in the creation

of new building materials and technologies must be made. We will return to this topic in the section "Dwelling of the future".

At fig. 3 shows a profile of the third cohabitan.

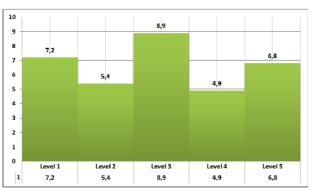


Figure 3. Profile of the child.

Considering the figures for the level of interaction in the system "man-dwellingenvironment" apparently the child belongs to psychotype "Fighter" [6] is characterized by high inclination for self-realization, also by conflict character and aggression (will prevails over mind), which cannot but lead to both physical and mental disorder, because intuition, ego and intellect are oppressed. This is the "Martian" type, whose motto, like that of Porthos, is "I fight because I fight". The vigorous and varied activity puts excess demands transformability. for the dwelling's corresponding emotional state should also be encouraged - for example, by bright colors in the interior, etc.

Compare the indicators of of the three profiles at fig. 4.

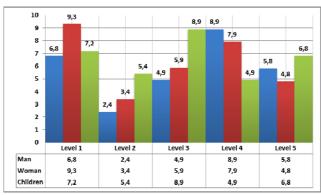


Figure 4. Compare profiles.

Is now depicted complex profile of common psychotypes of two adults and a child at fig. 5.

Define its indicators of (this is the arithmetic mean of the three indicators on each of the levels of interaction in the system "man-dwelling-environment"). Thus, the priority for the family is the next level of interaction in the system "man-dwelling-environment".

1. Level 1 – integrity. Here a man and the environment are not isolated from each other as separate parts yet; however, the possibility of their separation already exists as some potential of free resources, which can be used for this. Physically,

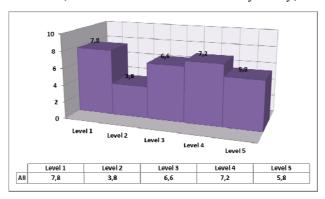


Figure 5. Complex profile.

the unity of the man and the environment is expressed, for example, in the fact that the man's body consists of the same elements and follows the same laws as the Universe. Mathematically, this unity is expressed through self-similarity, different symmetries and corresponding to them conservation laws, harmonic relations based on the "golden section" and Fibonacci numbers etc. If such relation did not exist, no interactions with the environment would be possible [6].

- 2. Level 2 space and time. Appearance of actions and reactions is followed by their arrangement two categories (inheriting characteristics of the previous level, linked with number 2) which are generally called space and time. Based on the self-organization theoretical scenario, three parameters should be given to each of them. So it is indeed: space is three-dimensional; time includes past, present and future. Ternary divisions are just as characteristic for our consciousness as the binary ones. For instance, we distinguish energy, information and entropy, three months of summer, three social estates, etc. [6].
- 3. Level 3 actions and reactions. The existence of not only oneself, but also of the environment is realized, as well as impacts on it and feeling its feedback. For a man the reaction may be favorable and unfavorable, which is perceived in categories "good" and "bad". The "knowledge of good and evil" takes place with the natural need to make and fulfill decisions, regulate wishes, etc., for which decisiveness and will are needed. For this level, generally, binary divisions are characteristic. Thus, for a man, there is a distinction between bodily and psychic components, left and right halves, male and female sex. For the Universe, substance and field, attraction and repulsion, space and time, etc. are distinguished [6].

The adapted "formula of comfort" for this family, is the following:

$$p=0.78*o_1+0.38*o_2+0.66*o_3+0.72*o_4+0.58o_{5-6},$$
 (1)

where p – general assessment; o_{1} - o_{5-6} – assessment for the levels.

2. SELECTING THE CONCEPT OF INTERIOR

Results of complex profile of common psychotypes needs owners, their life style, family members, personal aesthetic preferences and tastes, along with the vision of the authors of the project defined concept design of the apartment at fig. 6.



Figure 6. The concept of the interior.

3. DEVELOPING OF PLANNING AND STYLISTIC DECISIONS OF INTERIOR

The style and planning. The desire for open spaces identified the unifying nature of the existence of the living room, the dining room are the kitchen fig.7 [8]. And ease of interpenetration of space hallway and living room.

Expanded one of the bathrooms - the state of "spacious" with spacious spa bath and shower. The hall is mounted semicircular closet. In fact organized dressing room. A similar approach is used when creating the office - in place of the balcony and the bedroom. In both cases, the wings open or closed spaces the adjacent premises or combine or disconnected. This is - an example of the transformed spaces. Streamlined wardrobe

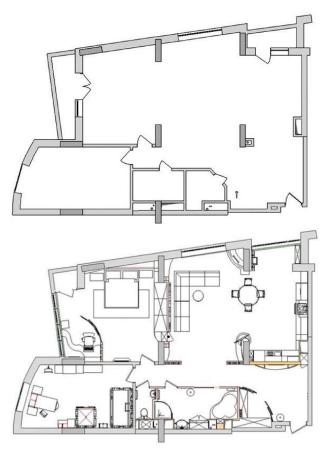


Figure 7. Plan apartments before and after redevelopment.

cabinet and also create a sense of ease interpenetration of spaces, while claimed total *"flexible"* style of the interior of the apartment.

Zones of common-use developed taking into account of complex profile of common psychotypes. Living room - dining room - kitchen at fig.8 [8] equipped beautifully decorated fireplace, a column posted on the TV, easy to view from almost all points, and that is very important - full plenitude of living plants and their images. Worth paying attention to special zoning means that space. With wood flooring, different colors formed "track" and "islands" supported structures hanging and suspended ceilings and placement of fixtures. In the middle of all the space - a round table at him, almost in the same shape - a round ceiling design with round shapes as chandeliers.

Decorative pylons, separate corridor transit zone of living space. Embedding they asked stylistic stained glass fabric around the interior - the curved shape of pylons, curved stained glass, flexible forms its own image - the same graphics we see a completely different elements of the interior of the apartment. Living room at fig. 9 [8] has its own flavor - edged with decorative stone panorama favorite places. By itself, the stone already sets a special mood, something wistful in the past, and so real. In the partition that separates the kitchen from



Figure 8. The interior of the kitchen-dining room.

the hallway, stained glass mounted. In most of the kitchen work surface placed decorative panel that carries the hostess home in flood meadows at times when not thought about spices and proportion.

All this creates a feeling the owners -comfortable, at home cozy as on the desert island.



Figure 9. The interior of the living room

In the bathroom at fig.10 [8] there was a "window on the island" - the same stained glass with a favorite theme and "plant" flexible mosaic mosaic inserts in the same wall. In cases as simple function - to hide the washing machine and put everything you need on the shelves.

Is worth mentioning that the selection and texture, and color mosaics already creates a special mood associated adjusting to "island" system. The same applies to the leisure, lime green toilet, which besides toilet hidden behind a console so necessary in the summer boiler.

Individual zones are developed based on individual profiles of psychotypes of several cohabitant. As a parent bedroom at fig. 11 [8] wall in the head of the bed covered with paintings of weeping willows. The ceiling is made of stretch and suspended structures, is the secret symbols merger



Figure 10. The interior of the bathroom room.

of the two areas and the center of the composition is crowned with a chandelier, wonderfully reminding crystal bouquet of flowers.



Figure 11. The interior of the bedroom room.

In children room at fig. 12 [8] all the walls are covered with paintings on the the same theme, but here's flowers, bees and dragonflies have children do better perception - a fantastic character. A blue sky over your head (tension ceiling) floating lights - white clouds children's world in the materials and colors.



Figure 12. The interior of the children room.

Design project of the apartment interior designed by the method of designing of the elite dwelling for the cohabitants with different psychotypest, by studio of architecture and design studio "Zlatograf Interior" (authors: Anatoliy

Bilonoha - chief architect of studio, Oksana Novoshytska - designer).

CONCLUSION

The article described in details the sequence of method of designing of the elite dwelling for the with different psychotypes on the example real interior design an elite three-room flat for a family consisting of two adults and a child. Defined of the psychotypes of several cohabitants (husband, wife, child). Depicted complex profile of common psychotypes of two adults and a child, according to the level of interaction in the system "man-dwelling-environment". Described concept and implemented a rational and functional interior variant, that is easily transformed, into a modern style with elements of ecodesign. Using this method speeds up the design process, and the result providing been complex accommodation for all cohabitants.

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