The Relationship between Interior Design and Architectural Design in the Dimension of Time and Space

Li Gao and Chuan Hong Xu

Abstract: The interior design is an important part of architectural design, is a sign of economic development and civilization, is the space carrier of people's leisure, commodity circulation, turnover and people's daily life and realize the social value of the place of rest. As an important part of architectural design, interior design is of great significance to the study of the overall performance. In this paper, the space organization and interior design of architectural design are studied. First introduces the basic requirements of interior design, are discussed from a practical, artistic and humanistic perspective; after analyzing the temporal and spatial relationship between the architectural design and interior design, expectations for China's interior design and architectural design in "On the design of the relationship in the empty dimension.

Keywords: interior design; architectural design; time; space; relationship

The building is a reinforced concrete structure which is constructed by the human being according to the needs of material life and spiritual life. Interior design is the process of using a variety of decorative materials and decorative items for the protection and beautification of the interior surface and space. To achieve the protection of the main structure of the building design, improve the physical properties of the building, the use of functions and beautify the indoor environment, at the same time meet the taste of life in the pursuit of human comfort. Interior design is based on the principles of fine arts,

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decorative materials in accordance with the characteristics of the application of decorative technology, in accordance with the design of the completion of the protection and beautification of the indoor work. On the two characteristics of the physical and practical interior architecture, practicality can better meet the needs of people's lives, different decorative styles to meet people's psychological needs of different lifestyles. Interior design and architectural design have similarities and differences; they complement each other, together to provide people with comfortable accommodation.

1. The relationship between interior design and architectural design from the perspective of space

The relationship between interior design and architectural design in the space dimension and time dimension, the relationship between them is more clear in the spatial dimension, it is easier to understand. Even for those who do not have the knowledge of architecture, they can understand the principle of building a room. It is easy to accept the concept of "indoor space". It is generally understood that the building has actually been incorporated into the "system", the concept of dialectical materialism philosophy, that is, the existence of social material, the material is linked, the system is the way of existence and contact. Nothing can be left alone. The system is based on the characteristics of each material, according to the specific attributes to form a complete unified whole. The same applies to architectural philosophy.

（1）The internal space of the building is the basic elements of space system "necessary; separate the indoor space only exists in the whole system of the building space can play the role of interior design. That is to say, the indoor space will have the value of existence and the positive meaning can only be embodied in the construction of this system. If the lack of walls, roofs and other architectural elements of "protection", then the interior space is no longer an indoor space, it has lost the value of survival. Real indoor space must exist in the building of the large system. At the same time, the interior space itself is a system, there are many indoor space depends on its elements, such as space form, indoor environment, indoor color and interior decoration design. It is different from the system to the indoor space, there are many subsystems and elements of the system architecture, such a large and complete system architecture to meet the needs of the building.

（2）Another important authority of the system is the structure of the system, which is an important hinge to determine the relationship between subsystems and elements in the system. The system is made up of elements and subsystems, which are not formed by the accumulation of elements and subsystems. There is a causal relationship between subsystems and elements
in the system. Interior space is a subsystem of the building, including buildings and other system elements and subsystems must be in accordance with the inherent rules and orderly connected together, plays an important role in the various elements and subsystems, such as at the same time and specific way. For example, in the plate column bearing system, column under the weight of the floor, the need to support column cap task complete, ground tasks such as the stress distribution is the same, these elements of the system engineering, it is in accordance with certain requirements, in a specific contact and interaction, so as to better support structure.

(3) The existence of a system depends on a particular environment; the system environment refers to everything that interacts with the system component, not the system. Each building as a system must exist in a certain environment. Or in a remote village, or in a busy city. Such a different environment may affect the manner in which the building system elements and subsystems are composed, and the proportion of the environment and the building system has an impact on each other. Where there is a large amount of rainfall, the roof of the building will be steep enough to allow rain water to flow, and in the relatively dry northwest of China, there is little precipitation. Or in plain and plateau areas, the construction will be incorporated into the gap due to different styles. This fully proves that the interior space is a subsystem of the building, which may be affected by the construction environment anytime, anywhere.

(4) In the system of interaction with the environment, the system function is the combination of the system behavior, the characteristic and the function under the interaction of the system and the environment. Within the context of philosophy, this theory may be renamed as "building system" more appropriate. One of the basic properties of the system, for example, the train running on the track, which is composed of many parts of the train in accordance with the specific combination of the structure, in order to complete the "train" driving function. But for the train components, such as numerous screws, steering wheel, they can not complete the task alone. It also shows that the function of the system can not rely on a single element of the system rather than a simple combination of elements. The same is true of architecture. A building, people want to have the function of life, to achieve this function is in a specific environment, according to a certain structure, the system of the system to achieve a number of factors, only to complete the function of the architecture. In the construction of the various subsystems, such as doors, walls, roof and ceiling itself will not have any architectural significance, from the construction of the system, they will lose everything related to the building. However, if these elements can be combined according to a certain structure, it will have the function of the building.
2. The relationship between interior design and architectural design from the perspective of time

Interior design not only in the "dimension" of the specific and deepened the architectural design, it is still a "time dimension" to adjust and correct the architectural design is fixed at the macro level, the architectural design to improve in a particular situation. Between the two is not only the space from "big" to "small" continuation and refinement, but also a "first" to "after" extension. This kind of "space and time" not only profoundly affects the architects, but also plays an important role in the whole architectural theory.

The interior design in the "time dimension" in the early stage of the building function of the complement and perfect adjustment and improvement. In the early days of the end of the building, not all the work is over, there may be some construction and the user will not adapt to the situation. Even if the building can get the user's favorite, there will be building function conversion. The use function of the building has not changed. In other words, the construction of new buildings may not meet the actual needs of the people. A building just completed the initial function, will be accompanied by the passage of time, gradually lost and weakened, because the old dilapidated buildings can prove this characteristic, the building originally in the function of natural forces such as the erosion of year-round weather, especially the natural environment especially the extreme area, this feature is more obvious; or man-made factors. Such as housing, housing, flooring and other improper expansion of housing caused by excessive pressure, short service life. This is the reason for the loss or weakening of the function of the building. Two is to change the construction of the construction of the user to bring the impact of changes in the number of factors, the user's personality construction, cultural level, economic factors, the construction of the building will cause new features. No change even in the construction of the master, the owner changed the style of interior design or interior design, the pursuit of fashion, or change the economic level, social status, and also put forward different requirements of the original building space, which will allow early functional pressure on the situation in the construction of the original building work change.

Interior design is an important part of the whole building system. Measure the quality of the building function, in fact, people in the interior of the building, indoor space is to meet the requirements of the people. However, with the change of time, aesthetic and many other factors, the requirements of architectural function also change. This requires the interior design on the basis of "time dimension", according to the requirements of the indoor space function of the people to make a reasonable adjustment, timely supplement and improve the original function of the building.
Summary

Interior design and architectural design. Architectural design including interior design, interior design is also perfect, promote the architectural design. Interior design depends on architectural design, whether in the "time dimension" or "space dimension", interior design is an important subsystem in architectural design.

Introduction

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