

The Integration and Inheritance of Traditional Culture in Modern Architectural Design

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Abstract: Applying traditional building materials to modern architectural design can not only showcase the traditional and historical beauty of China, but also innovate unique architectural styles. This article mainly focuses on the application of traditional building materials in the design of modern architecture and provides corresponding explanations and analysis. Firstly, it elaborates on the necessity of inheriting traditional architectural culture in China. Secondly, it analyzes the relationship between modern architectural design and traditional architectural culture, and once again systematically elaborates on how traditional architectural culture can be inherited and developed in modern architectural design. Finally, the application and future trends of traditional Chinese architectural culture in modern architectural design were summarized, providing new ideas for relevant designers.

Keywords: Traditional Culture, Modern Architectural Design, Inheritance

1. INTRODUCTION

Architecture is a part of human civilization and social development. For traditional architecture, it is also a continuation and display of the entire ancient social culture and is precious to the country. Therefore, the study of traditional architecture is mainly analyzed from two aspects: the historical background and cultural customs at that time. As the cornerstone of architecture, building materials can showcase the overall style of the building, and the emergence of new materials poses a significant challenge for traditional architecture. The traditional architectural culture in China has a very long history, and in the development process of the past few thousand years, the connotation of traditional architectural culture has also been constantly enriched. Traditional architectural culture belongs to a part of culture.

Since entering the new era, China's cultural soft power has been continuously strengthened, and traditional architectural culture has been promoted. Chinese architects should not only absorb foreign architectural design techniques, but also continuously explore inward, strengthen the learning and reference of traditional architectural culture, excavate the characteristics of the Chinese nation itself, to achieve the inheritance of traditional architectural culture, build an architectural style that conforms to Chinese local characteristics, and promote the further development of architectural design. In the process of historical changes, traditional architectural culture contains rich cultural content from different periods, which is the essence of Chinese traditional culture and has rich artistic connotations. It plays an important role in reflecting architectural design ideas and showcasing humanistic sentiments.

Therefore, in order to better tap into traditional Chinese culture and fully reflect the cultural value in modern architectural design, it is necessary to attach importance to the inheritance and development of traditional architectural culture, and highlight the artistry in architectural design supported by such culture according to the requirements of traditional culture establishment, so that designers' emotions can be expressed to a certain extent in modern architectural

design, and the influence of traditional architectural culture can be comprehensively improved. In architectural design work, controlling the artistic conception of architectural design is a crucial link. Due to the wide range involved in architectural design, there are also many factors that affect the artistic conception of the building. Design personnel need to conduct scientific planning in advance to lay the foundation for the later artistic conception creation.

In the process of inheriting and applying the cultural and artistic conception of ancient architecture, designers need to pay more attention to the decorative design of the interior of the building. If the exterior structure of a building is the 'body', then the interior decoration design of the building is the 'soul'. Designers can control elements such as space, color, materials, and decorations to create the desired style of the building for users. At the same time, by combining modern architectural engineering technology, traditional elements are perfectly presented to create a unique design style, achieving innovation and development in the artistic conception of modern architectural design. Traditional building materials have entered the design of modern daily architecture, which is undoubtedly a treasure bestowed on us by history for the Chinese nation.

2. THE PROPOSED METHODOLOGY

2.1 Types and characteristics of traditional building materials

The forms of traditional building materials are very diverse, which is precisely where their unique charm lies. Chinese culture is vast and profound, and as inheritors, we should strive to inherit and carry forward the treasures of history. Chinese traditional architectural culture expresses traditional cultural information through specific architectural element symbols, thereby gaining people's recognition. Therefore, architectural designers can extract some representative elements or symbols of traditional architecture, reorganize them, and apply them in modern architectural design, subconsciously arousing people's resonance, and longing for traditional culture, allowing traditional and old forms to gain new value and meaning. In modern architectural design,

architects should use certain architectural symbols and organize and process them to showcase the characteristics of traditional culture in the design, ultimately achieving the inheritance and development of traditional culture.

For example, the China Pavilion at the Shanghai World Expo has adopted the traditional arch of wooden architecture architectural element. The Chinese people can easily see that it is a building with Chinese characteristics and different from other countries. In the process of determining modern architectural design plans, thinking about the application of traditional architectural culture can make specific design ideas clearer and comprehensively improve the level of modern architectural design. During this period, to keep traditional architectural culture in a good state of development, it is necessary to increase attention to the scientific application of cultural symbols related to it, integrate rich artistic ideas into modern architectural design, promote the gradual realization of established design goals, and infer the long-term development of architectural construction.

At the same time, under the influence of traditional architectural cultural symbols, it can also make modern architectural design work more rational, effectively express rich design thinking, achieve the scientific development goals of traditional architectural culture, fully leverage the practical role of cultural symbols, and bring more guarantee for enhancing the effectiveness of modern architectural design and broadening development ideas. The layout of enclosed courtyards is the most widely used form of traditional architecture in China, which forms a quadrangle through the regular arrangement of buildings and walls. Integrating the enclosed courtyard pattern into the architectural plan, connecting various areas through non corridors. In the layout of enclosed courtyards, Beijing quadrangles are the most representative construction model. By enclosing the layout, the boundaries between buildings can be clearly defined, forming independent courtyard spaces. At the same time, residential spaces can also be separated from external spaces. The courtyard is composed of inverted rooms, main rooms, and wing rooms, which also clarifies the location and function of each house.

In modern architectural design, the application of enclosed courtyards can effectively meet the needs of modern people for independent and private spaces. At the same time, antique decoration design can be carried out inside the building, allowing residents to experience the unique charm of ancient Chinese architecture and enhance the elegant atmosphere of the building. Some architectural designers also combine natural stone with modern materials to create a contrasting effect. The combination of natural atmospheric beauty and modern delicate beauty not only presents a historical charm, but also modern rationality. Therefore, when designing, it is necessary to do a good job in color matching. Only by applying it effectively can better architectural design be innovated.

2.2 The Development of Traditional Architectural Culture in Modern Architectural Design

Chinese traditional gardens have a long history and pursue the taste of natural landscapes. The composition of the garden landscape follows nature, and the layout is flexible and varied. Traditional Chinese gardens emphasize the importance of "adapting to local conditions" and "adopting a fixed approach". They mainly organize space through various design techniques such as landscape, buildings, animals, and

plants, and use borrowing, matching, dividing, and separating scenes to form spatial forms that correspond to different needs. At the same time, traditional gardens also need to achieve proportional coordination, high and low changes, well-proportioned layout, a combination of movement and stillness, changes in light and dark, a contrast between reality and emptiness, and a resonance between front and back. The combination of traditional garden design techniques and modern architectural design not only enriches the spatial hierarchy of buildings, but also endows modern architecture with more profound cultural connotations.

Under the premise of understanding the connotation and potential application value of traditional architectural culture, integrate the relevant structural shapes into modern architectural design, fully reflect regional characteristics and culture, and make modern architectural applications have good cultural value, laying a solid foundation for the improvement of the development level of traditional architectural culture. When more attention is paid to the grasp of modern architectural structural shapes under the influence of traditional architectural culture, it can provide reference basis for the continuous improvement of specific design schemes, which is conducive to achieving the goals of modern architectural scientific design and gradually improving the development level of traditional architectural culture. China's traditional garden culture has a long history and is also renowned worldwide. Traditional Chinese garden engineering emphasizes the integration of architectural design and plant matching, and through the careful creation of craftsmen, the architecture is seamlessly integrated with the natural landscape.

Designers coordinate and plan the mountains, water features, buildings, animals, and plants in the spatial environment through various design techniques such as borrowing, aligning, dividing, and separating scenes. In modern architectural design, the layout method of garden landscapes is often applied to municipal greening and residential community construction. By adopting a garden style layout design for the project, the sense of hierarchy and aesthetics of the building can be effectively improved. The sensory display of traditional building materials is mainly reflected in the material of the building materials, while the material feeling of the building materials is mainly reflected in texture, flatness, and delicacy, but these are all susceptible to changes in the external environment.

Like color and smoothness, material senses are composed of two types, namely natural and artificial, and there are certain differences between the two. For example, the texture of natural materials may be slightly rough, with a certain degree of concavity and natural polishing marks, while artificial materials appear more refined and unified due to processing. In terms of modern architecture, it not only requires the combination of architectural form and structural function, but also requires a deeper understanding of the cultural spirit behind architectural form. For example, as the mainstream of traditional Chinese cultural development, confucianism promotes the idea of "harmony between heaven and man", emphasizing the harmonious unity of nature and human beings.

3. CONCLUSION

In summary, with the continuous development of modern economy and culture, professionals in the construction industry are constantly exploring and innovating building materials and construction technologies and applying them to

modern construction projects. Traditional architectural culture is the source of modern architectural design and has deeply permeated it. This requires modern architectural designers to not only face the world, broaden their horizons, and learn from excellent foreign architectural designs, but also fully understand the structural forms, exterior structures, design ideas, construction techniques, cultural connotations, and other aspects of traditional Chinese architecture. Designers need to extract the necessary traditional architectural language from it and flexibly apply it to modern architectural design, in order to achieve the combination of traditional and modern architecture and form a modern architectural design path with Chinese characteristics.

4. REFERENCES

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