

# Research on the Relationship between Urban Planning and Architectural Design Based on Regional Culture

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**ABSTRACT.** *As one of the important links in the current economic development, architecture is a comprehensive reflection of the economy and society of an era. Architectural design, as a fundamental part of the construction industry, is an important link in the entire construction field. Architectural design has also been greatly influenced and supported by regional culture. Architectural design should adapt to a variety of climates and regional environments. This article starts from the urban planning and architectural design of regional culture, and analyzes the urban planning and architectural design strategies based on regional culture. The purpose is to improve the quality of urban planning and architectural design based on regional culture.*

**KEYWORDS:** *Urban planning, Architectural design, Regional culture*

## 1. Introduction

As we all know, architecture, as a comprehensive display platform of the times, is an important product of social and economic development. At the same time, architectural design is the basic link of architectural creation, and it is also an important platform for communication between humans and architecture. The communication platform needs to be different for different The adaptation of regional culture and regional climate should be designed and constructed for different climates. For example, different architectural design strategies should be implemented in temperate, alpine and desert areas. It can be seen that in the overall process of architectural design, regional cultural factors should be considered, and different regional factors should be incorporated into them to form architectural designs with regional cultural characteristics, which can better meet the needs of the people for architecture. As a product of regionalization, architecture is a combination of abstraction and concreteness, and it is also deeply rooted in regional culture. While being influenced by regional culture, it also realizes the individualized style of architecture on this basis. China has a vast land and a wide geographical area, and seeks the balance and development of architectural design among different regional cultures, so that architectural design better reflects the characteristics of regional culture.

Throughout the buildings around the world, their architectural characteristics will change with the continuous change of regional culture and time. With buildings, the design level, social culture, and economic development of a country can be reflected. Architectural functions and performance are similar, each with its own characteristics in architectural design style. China has a vast land, a vast territory, and a long history of cultural development. Therefore, it will also be affected by regional culture in architectural design. The effective integration of regional culture and architectural design also gives buildings a strong regional character.

## **2. Analysis of the Characteristics of Regional Buildings**

First, regional buildings are often integrated with regional geography, climate, nature, and environment characteristics. In the process of architectural design, it is necessary to fully understand the characteristics of the local natural environment, and at the same time to make efficient use of existing resources. So that the natural environment can be integrated with the building. China has a large land and a vast land, and there are large differences in the natural environment in different regions. For example, the climate differences between the northern and southern regions of China are very different. Only in this way can we design buildings that are in line with the development of local people. Second, regional buildings have a certain degree of ecology, economy and practicality. In the process of construction of regional buildings, they are often affected by the political, economic and traffic conditions at the time. Nature blends with each other, and at the same time, it forms a simple value in the process of subtleness. Third, regional architecture is closely related to nationality. Our country has a large population. In the process of architectural design, 56 ethnic groups will integrate local aesthetics, beliefs, and folklore. For example, Mongolian yurts; Muslim mosques; Tibetan nationalities. Diaolou, etc., these buildings are closely related to regional culture, highlighting the cultural characteristics of different regions, while also fully showing the national charm.

## **3. Composition and Connotation of Architectural Cultural Region**

Geographical cultural connotation of buildings determined by geographical location. Geographical location determines the degree of geographical resources and the overall temperature and climate of a region. For example, the temperature difference between the northern and southern regions of China is very significant in winter, and the requirements for architecture are naturally different. At the same time, in the plateau and plain regions of China There are also significant differences in people's living habits and regional culture. The people in China 's four JII cities, such as Chongqing, tend to live in a relaxed and comfortable state, have a strong sense of the basin, and are relatively comfortable with the status quo, but the southeast coast of China and the Pearl River Delta The people of the region tend to have a challenging and changing overall environment. Therefore, the geographical location determines the connotation of the regional culture of the building.

The influence of regional cultural environment on building composition. From a broad perspective, regional culture has an important impact on the overall composition of architectural design. The so-called regional culture is based on regional cultural influence. When it is implemented in the construction industry, it is the consideration of geological topography and the built environment around the city. Consider. In the process of architectural design by architectural designers, first of all, comprehensive observation should be made on the geographical location of the building, and local buildings should be inspected. For example, if there are many high-rise buildings in the local area, daylighting is an issue that architects should pay attention to. To build a building that meets the needs of the people, it should be based on regional characteristics of building materials and meet contemporary architectural design styles. The so-called successful architectural design is to be able to combine local culture with international culture, in other words, to realize the regional cultural environment for The influence of architectural composition, such as some failed antique works, may even have a sense of violating tradition. Placing traditional antique pavilions in front of contemporary modern glass curtain wall buildings will have a sense of disobedience, which is not enough to influence the regional cultural environment and architecture. positive. Therefore, professional design of architectural design projects should be carried out, a thorough understanding of project design, a combination of traditional and modern cultural ideas, and architectural design based on regional culture.

#### **4. The Relationship between Urban Planning and Architecture Design**

The difference between urban planning design and architectural design

There are differences in design goals, design processes, and design tasks between urban planning and architectural design. For example, in terms of design goals, the goals of urban planning and design are unclear and controllable, while the goals of architectural design are specific The building can not only meet the needs of the overall development of the city, but also play its own architectural functions, so it needs to work for more specific goals through professional building knowledge and skills. In terms of the design process, urban planning and design takes a strategic perspective and continuously adjusts and optimizes all aspects of the city to gradually develop the city in stages. Architectural design in the design process mainly considers its own factors and Continuous optimization of factors. In terms of design tasks, urban planning and design tasks are usually presented gradually through specific changes in the city after a long time, while architectural design usually presents the tasks in the form of architectural design task books.

Urban planning and design is essentially a spatial planning for the overall spatial structure, basic equipment, environmental functions and other aspects of urban development that are directly related to the direction and state of urban development. Its urban appearance, industrial distribution, infrastructure construction, regional Investment and other aspects will have an important impact, which is one of the basic guarantees for the rapid growth of high-quality cities. Architectural design is the process of determining and optimizing the construction engineering construction

technology, style, quality, performance, standards, etc. It is established on the basis of ensuring that the use of space, functions, and appearance of architectural engineering structures meets the needs of the times, and that its design style is harmonious with the surrounding environment, and that the pursuit of its own design style is prominent. It can be seen that although the two surfaces are independent in design, architectural design is actually one of the important contents of urban planning and design. Architectural design requires urban planning and design to provide space preparation, and considers the overall style of urban planning and design.

With the continuous implementation of sustainable development strategies, environmental protection and people-oriented have become the common design concepts of urban planning and architectural design, so there is a lot of consistency in their design content: In terms of design content, they must Space, structure, and equipment are used for comprehensive consideration. Urban planning and design is an important basis for the selection of architectural design content, which needs to be carried out in accordance with the specifications and requirements in urban planning and design. In terms of design development trends, Three-dimensional, refined, systematic, and comprehensive development. The architectural design will develop towards harmony, integration, environmental protection, and landmark development. The content of urban planning and design will gradually focus on the advantages of architectural design, and the content of architectural design will gradually The advantages of urban planning and design are the key points, which make the content connection in the development process closer. In terms of the role of design, urban planning and design is the basis of architectural design, and architectural design is an important driving force for the development of urban planning and design. Is the main body of rich urban planning and design, so During the design process, the other party's design content must be comprehensively considered, so as to ensure the harmony of the two while highlighting each other's personalized content.

## **5. Urban Planning and Architectural Design Strategies Based on Regional Culture**

The organic integration of multi-dimension of regional culture and architectural design The so-called regional culture includes not only cultural and artistic works, but also the cultural literacy, customs, and soft culture of regional characteristics in a certain area. There are many dimensions, so it is necessary to understand regional culture. Multi-dimensional integration with architectural design. For example, in the Guangdong region of China, as a representative of the subtropical marine climate, it has the characteristics of long light time and high temperatures in the four seasons. Therefore, under the influence of this local culture, the local people are even more In order to advocate nature and love outdoor sports, in the process of architectural design, we should pay attention to the improvement of north-south permeability and natural performance. At the same time, we should also pay attention to the characteristics of the building's moisture, moisture and insulation, so as to promote

the multi-dimensionality of regional culture. Organic integration with architectural design.

The combination of soft culture and hard system in architectural design is a soft link in architectural design. The impact of the local environment should be fully recognized in the process of architectural design, and it should be combined with the hard system. Comprehensive analysis of building design. Different building materials are used to design different building structures. In the 18th century Britain, it was the earliest country to conduct steel structures. The Eiffel Tower in Paris, France is also a typical representative of steel structures. Its structure, shape and nodes are comprehensive. Only by combining the local soft-area culture with the hard system, can the building function and form be coordinated to make it more regional in nature, and the soft-hard combination is realized in each link of architectural design. At the same time, in the design process of the Helanshan Stadium in Ningxia, the general floor plan was conceived with Islamic decorative patterns, using symmetrical layout techniques, supplemented by ecological and green technical means, with a large area of three-dimensional planting of shrubs and shrubs, and a solemn and elegant paving. For the texture, the continuous and complete shape of the stadium is emphasized, all of which achieve a balance between soft culture and hard system. The architectural design of representative large buildings in many other regions is achieved through a combination of soft regional culture and hard systems.

The comprehensive influence of regional geography, history and culture on architectural design. In the process of traditional architectural design, only regional geographic culture is often considered, because the influence of geographic culture on architectural design is more intuitive, and the historical and cultural background of a region is a long-term development of a region. Where the historical tradition lies, as an architectural designer, we should start from the geographical, historical, and cultural traditions of the building, and realize a broad and profound combination of traditional regional culture and architectural design. This is also the source of architectural designers' in-depth creation. This is especially reflected in the architectural design process of the museum in China, which requires comprehensive consideration of the geographical culture and historical culture of 065, combines the unique regional environment with its historical background, and uses modern methods to deeply express it. It fully shows the comprehensive combination of the regional and cultural aspects of the building. Among them, it is also necessary to carry out the key protection of cultural relics, show it in a high cultural taste mode, and show its cultural common characteristics.

One of the important principles of architectural design is to carry out local cultural architecture design ideas in accordance with local conditions, and at the same time combine with the actual requirements of the building, adjust to local conditions, and not follow the trend of plagiarism. The overall environment is integrated to meet the multidimensional needs of the people. At present, for Chinese architecture, modern traditional design is just a synonym. Behind it is a modern way of thinking about architecture. Based on the different ways of living and production in different regions and the provision of building materials, the specific needs of

architecture are analyzed on this basis. Comprehensive multi-dimensional factors for the design of regional cultural buildings, at the same time, according to the specific needs of local people and different lifestyles, local materials and technologies should be selected, at the same time born out of the original local architectural model, and retain the living habits of the people And thinking mode, practice the process of de-roughing and extracting the traditional spirit. Therefore, once the modern architectural design can fully express the local style, it can reflect the traditional spirit. At the same time, to correctly understand the national characteristics of architectural culture, to correctly analyze and treat regional cultural traditions, and to pay attention to the changes in the way of thinking of the people. It should be noted that the development of architectural design and regional culture cannot be denied one-sidedly. On the contrary, the outstanding foreign culture represents a more advanced spiritual concept. It uses professionalism and architectural design methods to combine advanced concepts with regional culture to adapt to local conditions, so that it can sprout based on regional cultural traditions.

## 6. Conclusion

Urban design and architectural design are both different individuals and have more in common. They share the same views in many aspects. In terms of design content, the relationship between the two is internal and external. The outer boundary of the building is the dividing line. . From the perspective of the design concept, both of them need continuous innovation in the design concept, and they will develop in the direction of large space, three-dimensionality, and comprehensiveness, so that the two certificates can be integrated into one. However, because the two are at two different levels in the design process, and their respective interests are different, there are also many differences. To this end, it is necessary to carefully analyze the relationship between the two and cooperate with each other to better achieve the building. , Urban and modern urban design.

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