



The Relationship Between Architectural Design Style and Architectural Culture

Junsong Wang^{1,2}, Chawalit Atipattayakul², Kulajit Sengna¹

¹Udon Thani Rajabhat University, Thailand

²Wuhan Polytechnic, Hubei, Wuhan, China

DOI: 10.32629/aes.v5i2.2278

Abstract: With the rapid development of society, construction projects are also being constructed rapidly. However, in the current era, if the development of construction projects wants to achieve greater space and obtain more economic benefits, it requires technical knowledge of the project. To continuously improve, we should not only pay attention to the practicality of construction projects, but also pay attention to the aesthetics of construction projects, including comprehensive consideration of the artistic, cultural and humanistic spirit of construction. Therefore, the comprehensive optimization and perfection of contemporary construction projects can be realized, and better architectural solutions can be explored. This article starts from the style of architectural design and combines specific cases to analyze how architectural culture affects architectural style and the relationship between the two, so as to explore a better way of combining the two and promote the healthy development between the two.

Keywords: architectural design, architectural culture, construction technology, cultural design

1. Introduction

Construction engineering technology is the core of the construction industry. However, with the continuous development and progress of the construction industry, the style design of buildings has also become the focus of today's society. Architectural style design should consider the design, construction, building materials and management technology of construction projects. Technology that organically combines various aspects is a comprehensive knowledge system. Since my country's construction industry started late, there is a certain gap between China's construction industry and Western developed countries in many aspects. The technologies, equipment, and design concepts mainly used in the construction industry in my country are mainly imported from abroad. Many construction techniques, technologies, and design styles have been innovated to a certain extent on the basis of imitating foreign projects. But at the same time We are still facing many problems. In order to effectively solve these problems, we must conduct in-depth analysis and research on my country's architectural engineering style and put forward corresponding suggestions and measures based on the actual situation. This article mainly analyzes and studies the style characteristics of my country's architectural engineering, the characteristics of my country's architectural culture, and future development trends, hoping to bring some enlightenment to relevant construction companies in my country.

2. The specific embodiment of culture in the field of architectural design projects

Architectural design is a comprehensive discipline that integrates art and technology. It is not only to meet people's living and working needs, but also to embody and inherit culture. In architectural design projects, culture is an important aspect that can give buildings deeper meaning and value. The following will discuss the specific embodiment of culture in the field of architectural design projects from the aspects of building appearance, materials, spatial layout and decoration.

First of all, the appearance of a building is one of the important ways to reflect culture. Different cultural backgrounds and historical traditions will affect the style and form of the building's appearance. For example, ancient Chinese architecture is famous for its unique roof forms and traditional bracket structures. These elements embody the unique charm of ancient Chinese culture. Similarly, in other countries and regions, such as Gothic architecture in Europe and palace architecture in India, they also show their own unique cultural characteristics. Therefore, in architectural design, designers will incorporate local architectural elements and styles according to the cultural characteristics of the project location to make the building harmonious and unified with the surrounding environment.

Secondly, material selection is also one of the important aspects of reflecting culture. Different cultures have unique material traditions and techniques, and the selection and use of these materials can reflect the unique charm of a specific culture. For example, traditional Chinese buildings often use wood and bricks. These materials are not only economical and

environmentally friendly, but also reflect the simplicity and elegance of ancient Chinese architecture. In modern architectural design, designers will also skillfully use local materials, such as local stone, bamboo, etc., to show the characteristics and personality of local culture.

In addition, spatial layout and decoration are also important means of reflecting culture. The spatial layout and functional zoning of the building will be designed according to local cultural customs and people's behavior. For example, traditional Chinese architecture pays attention to symmetry and balance, a clear layout of priorities, and the integration of natural landscapes. In the architectural design of religious sites, corresponding space planning and decoration design will be carried out according to the rituals and beliefs of specific religions to meet the needs of religious activities. Finally, the decoration and detail design of the building are also important aspects of cultural expression. Different cultures have unique artistic styles and aesthetic concepts, which will be reflected in the decoration and detailed design of the building. For example, traditional Chinese buildings are often decorated using techniques such as sculpture and painting to show the prosperity and sophistication of traditional Chinese culture. In modern architectural design, designers will also use contemporary art techniques to integrate local cultural elements into the decoration of the building to show the unique charm of contemporary culture.

In architectural design projects, culture can be embodied in appearance, materials, spatial layout and decoration. By rationally using local architectural elements and styles, selecting materials that are in line with local cultural traditions, and conducting spatial layout and decorative design according to cultural customs and aesthetic concepts, architectural design can better integrate into local culture and show its unique charm and value. Therefore, during the architectural design process, designers need to fully understand and respect the local culture in order to create architectural works that are compatible with the surrounding environment and social background.

3. The relationship between architectural culture and architectural design style

3.1 Architectural culture is the basic core of architectural design style

Architectural culture is a unique cultural symbol of a country or region, which carries history, tradition, values and aesthetic concepts. As the basic core of architectural design style, architectural culture is the embodiment of people's pursuit of beauty and an important symbol of social development and civilization progress. Each country and region has its own unique architectural culture, which is shaped by various factors such as history, geography, religion, and social customs. For example, China's ancient architecture is famous in the world for its unique style and craftsmanship. From ancient palaces and temples to modern high-rise buildings, they all reflect the inheritance and development of traditional culture by the Chinese people. As the core of architectural culture, architectural design style is the architect's understanding and creation of the form and structure of the building. Different architectural design styles reflect different aesthetic concepts and cultural identities. For example, European Gothic architecture, with its tall and pointed features, demonstrates the medieval European people's reverence for religious beliefs and holiness. Modernist architecture pursues simplicity, functionalism and a sense of technology, reflecting modern society's pursuit of efficiency and practicality.

3.2 The formation of architectural design style is deeply influenced by culture

The formation and development of architectural design style is a long process, which is affected by various factors such as history, culture, society and technology. Architects create unique and expressive architectural works through the study and understanding of these factors. For example, Baroque architecture displays the prosperity and luxury of the European Renaissance through its ornate decorations and sculptures. Modernist architecture integrates function and form, pursuing simplicity and pure beauty. The mutual influence and interweaving of architectural culture and architectural design style make architectural works have richer and more diverse forms of expression. Architects continue to create new architectural styles through research and exploration of architectural culture, making important contributions to society and human civilization.

However, with the development of globalization, architectural design styles have gradually converged, and the characteristics and uniqueness of traditional culture have gradually become blurred. In order to protect and inherit architectural culture, we need to strengthen the protection and research of traditional architecture, and at the same time encourage innovation and exploration so that architectural design styles can advance with the times and adapt to social development and changes. The basic core of architectural culture and architectural design style are interdependent and influence each other. Architectural design style is the expression of architectural culture, and architectural culture provides a steady stream of inspiration and creativity for architectural design style. Only through in-depth research and understanding of architectural culture can we truly create architectural works with unique characteristics and connotations.

In future development, we should pay attention to the protection and inheritance of architectural culture. Through the protection and research of traditional buildings, the architectural design style can maintain its uniqueness and innovation.

At the same time, we should also encourage architects to engage in cross-cultural exchanges and cooperation, learn from and absorb the architectural culture of other countries and regions, and create more diverse and rich architectural works. Architectural culture is the basic core of architectural design style. It is not only a unique symbol of a country or region, but also an important symbol of the development of human civilization. Through the protection and inheritance of architectural culture, we can create more beautiful and unique architectural works and make greater contributions to society and human civilization.

4. Integration strategy between architectural culture and architectural design style

4.1 Create a distinctive architectural design style culture

With the continuous cultural exchanges and mutual learning between countries, the architectural style culture of each country has always had a great impact on our country's architectural style. When designing the building, designers must comprehensively consider whether it is suitable for the characteristics and requirements of the current building project. To grasp the extent of the integration of Chinese culture and foreign culture, we must also grasp the degree of integration of traditional culture and modern culture, and combine different cultures in a reasonable and effective manner. Visual effect design is one of the important contents of architectural style. As a commercial symbol that people often see in real life, architecture has a special meaning for countries, regions, institutions, enterprises, etc. Through architecture, specific information can be conveyed. If you want to express the characteristics of a certain enterprise or country, so the elements you want to express most can be conveyed through architecture. Therefore, creators can use well-known traditional Chinese elements in architectural design to make them more recognizable. When designing architectural projects, you can use strong contrasting colors to design buildings with strong traditional Chinese elements to make them more eye-catching. Different traditional Chinese elements represent different meanings, and the creation can be expressed through the overall composition of colors and logos. the spiritual intention of the person. Different traditional Chinese elements have a more subjective impression on the audience. When designing architectural projects, different traditional Chinese elements can be used to show the characteristics of the company or brand. The emotions extended by traditional Chinese elements can help the audience to visually extend. Therefore, architectural design with Chinese characteristics can adopt the classification of different traditional Chinese elements: the combination of primary colors, the combination of similar colors and the combination of complementary colors. Different combinations will produce different effects. The combination of primary colors can make the Chinese elements stronger, give people a stronger visual impact, and form a good communication effect. For example, red can give people a cheerful and unrestrained feeling, can inspire people's fighting spirit, and can also make buildings more eye-catching, allowing people to grasp Chinese characteristics at once.

4.2 Create a green and environmentally friendly architectural design culture

In the development of contemporary society, green environmental protection has become a new cultural theme. Therefore, architectural design must also conform to and lead the trend of environmentally friendly design, making low consumption a top priority in construction projects. Traditional construction technology will cause a lot of waste of resources and damage the ecological environment. In order to strengthen the protection of the ecological environment, more and more people are beginning to advocate a green and environmentally friendly lifestyle, and green building technology has emerged as the times require. This construction technology can reduce pollution to the ecological environment, save the cost of civil engineering construction, and meet people's needs for green living. Many construction technologies are used in the civil engineering construction process, so the selection of technologies is particularly important. In addition to considering the cost of the construction materials themselves, it is also necessary to consider whether the project construction goals can be achieved after using this technology. Therefore, in the process of civil engineering construction, the selection of green technology needs to play its due role in the project. We cannot only consider the environmental protection properties of the technology and ignore the quality issues of project construction. Relevant construction personnel often neglect to combine it with the actual construction conditions when selecting technologies in the early stage. Some people will deliberately not choose green building technologies and only pursue the quality of project construction while ignoring its impact on the environment. And some people just On the contrary, the selected green building technology cannot meet the goals and requirements of engineering construction. During the actual project construction process, staff collect actual civil engineering data and analyze it, and also consider the surrounding environment and geological conditions of the construction site. Natural factors such as terrain conditions, soil conditions, and water source conditions will all have an impact on the construction. In order to carry out green Construction needs to reduce damage to surrounding green plants. When selecting green technologies, the impact on the surrounding environment must be reduced, and technologies must be selected according to engineering

construction indicators. Starting from the enterprise itself, the staff comprehensively considers the market. In addition to considering the green, environmentally friendly, and energy-saving nature of the technology, they also consider the safety and health performance of the construction. Starting from the applicability and economy of the construction technology, they comprehensively select civil engineering construction. the most appropriate green technologies.

4.3 Create a diversified architectural design culture

In the development of the country, many new elements and new cultures have emerged. At the same time, cultural inheritance has become more important. The changes and development of culture reflect the changes in the entire human society, and also reflect the spiritual outlook of mankind. and spiritual pursuits. The development of the current world pursues harmony but diversity, and pursues diversification. Politics, economy, and culture are all moving towards diversification. Under this trend, the design styles of architectural projects in various countries are also becoming diversified. In the past, we often divided architectural design into two categories, namely Eastern architecture and Western architecture, because in the past, the cultural differences reflected in architecture were more obvious, but now, with the exchange and integration of cultures, Eastern and Western architecture Cultures can learn from each other. It is obvious that today's cultural tolerance is higher, the development field of architectural styles is broader, and the space for architectural designers to play is also greater. Not only can the exchange and integration of Eastern and Western cultures be integrated into architectural design, modern science and technology can also be combined with traditional culture to create more wonderful sparks. All in all, with the optimization of the cultural environment, the architectural design environment has also been improved. Faced with this current situation, architectural designers should maintain a peaceful mind and not be eager for quick success and rapid integration, but should treat various cultures and styles equally. , to seek cultural elements suitable for the project, we must have a diverse mentality, actively learn and learn from each other, base ourselves on the fundamentals, coordinate with each other, and on the basis of inheriting and protecting the excellent local traditional culture, selectively absorb and combine it to reflect our own Innovation and inspiration.

4.4 Create a compatible architectural design culture

In the overall architectural design, the structure or parts of the building will often have a great impact on it. Therefore, when designing the building, we must pay attention to the relationship between the structure and the form, pay attention to the impact of the part and the whole, and according to the architectural The architectural design selects building materials that better suit its characteristics. On the one hand, it must consider the characteristics of the geographical location where the building is built and give full play to the excellent local traditional culture. On the other hand, it must also be combined with modern styles and modern elements. Judging from most modern architecture today, many large-scale buildings are created in a way that combines architectural structure, practical use, and architectural culture. Taking the sports meeting venue as an example, you will find that this kind of architecture attaches great importance to the structure and development planning of the building. During the architectural design, the building structure and shape selection have a significant impact on the overall layout of the building, so architectural structural issues must also be analyzed during the architectural design process. The selection of building materials must be able to meet the requirements of structural stability, and then regional culture, traditional culture, and foreign culture should be reasonably integrated into it. At present, some large-scale architectural design plans attach great importance to cultural eclecticism and the actual functions of the building itself. For example, the Beijing National Stadium highlights architectural culture. Designers need to coordinate the integration of cultures during the architectural design process and analyze people's lifestyles, thoughts and emotions. , and then try to use local building materials for decoration to enhance the compatibility with regional culture.

5. Conclusion

To sum up, in the modernization process of architectural design, we must not ignore the inheritance and development of architectural culture. We must create a good architectural design environment and give architectural design enough creative space so that the architectural design can adapt to local conditions and fully integrate the local geography. , climatic conditions, local characteristics and local traditional culture, to create and design buildings in a more scientific, reasonable, beautiful and practical way. At the same time, architectural designers must constantly improve their professional capabilities in this process, actively learn architectural design knowledge, and constantly learn and update architectural culture, thereby stimulating their own design inspiration, improving their aesthetic and creative abilities, and creating and designing products. Better architectural works allow architectural culture and architectural style to promote and achieve each other.

References

- [1] Wang Huaibang. Analysis of the relationship between architectural design style and architectural culture [J]. *Ceramics*, 2023(09):162-164.
- [2] Gao Jun. The relationship between architectural design style and architectural culture [J]. *Popular Standardization*, 2023(12):121-123.
- [3] Guo Yanchun. The relationship between architectural design style and architectural culture [J]. *Jiangsu Building Materials*, 2022(04):48-49.
- [4] Wei Xing. Analysis of the relationship between architectural design style and architectural culture [J]. *China Residential Facilities*, 2020(03):44+46.
- [5] Zhao Zhe. On the relationship between architectural design style and architectural culture [J]. *Urban Architecture*, 2019, 16(30): 115-116.
- [6] Chen Suli. Research on Mongolian architectural design style in Hohhot [D]. Southwest University, 2013.