

Architectural Design and Urban Planning in the New Situation

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ABSTRACT

Under the influence of the world economy, China's economic development is very rapid, the people's living standards have been greatly improved, and the urbanization process has been accelerated. As a part of urban planning, architecture plays an important role in urban planning and construction, so urban planning must be combined with the future development goals of the city, develop in an all-round way, strengthen architectural design, ensure the consistency of urban planning and architectural design, and create a good environment for urban development. Therefore, this paper analyzes the relationship between architectural design and urban planning under the new situation, clarifies the relationship between architectural design and urban planning, and strengthens urban construction.

1. Introduction

Urban planning and architectural design are very closely linked, in the process of modern urban construction must deeply grasp the connection between the two, the use of comprehensive and systematic planning methods to organically combine the two, so as to jointly realize the needs of urban construction modernization and intelligence, so that the city's architecture has more local characteristics and unique style, so as to improve the overall level of urban planning and construction. Scientific, perfect and standardized building design can highlight the unique charm of the city, and can also design some representative landmark

buildings, which can bring people a sense of pleasing to the eye, and maximize people's aesthetic needs in terms of building appearance and interior.

2. The importance of architectural design in urban planning

2.1 Further promote urban development

From a macro perspective, urban planning plays a crucial role in the construction and future development of cities. Further strengthening the architectural design work can play a certain role in promoting the development of

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the city; From a micro perspective, the development of architectural design can effectively improve the quality of life and quality of life of citizens. In order to play a good role in promoting the sustainable and modern development of the city, architects must make a detailed analysis of the specific environment of the city, and at the same time, continue to explore more scientific construction planning and urban architecture, so as to achieve the continuous improvement of urban architecture ^[1].

2.2 The architectural design fully reflects the urban planning

During the period of architectural design and urban planning, some designers did not pay much attention to the harmony between the building and the environment, resulting in too much attention to the functionality and practicality of the building. During the design of a building, it is important to strictly follow the urban design and planning guidelines, and at the same time, to have a thorough understanding of the goals of the plan to ensure that the design of the building not only meets the functional requirements, but can also be effectively integrated ^[2].

3. The main problems existing in architectural design and urban planning under the new situation

3.1 The protection of architectural monuments and historic districts is limited

Architectural monuments are the direct embodiment and expression of the city's regional cultural characteristics, which clarify the long-term development trajectory of the area. However, due to the current situation of rapid economic development, the government has paid more and more attention to urban planning. However, some architectural monuments have been damaged to varying degrees due to problems such as disrepair, and after renovation, the architectural monuments have gradually lost their original cultural charm due to the modern elements added to them. Secondly, due to the lack of professional and technical personnel, it is difficult for the protection of architectural monuments to play a substantive role and effect ^[3].

3.2 The protection of cultural relics and monuments is insufficient

At present, with the deepening of reform and opening up, people have invested a lot of resources in economic development and increased the importance of urban economic development, but in some cities and regions, the

ancient buildings that have cultural value only through the pursuit of economic interests have suffered certain damage to the history and culture. The absence and damage of history and culture highlights the incongruity between architectural design and urban planning. The main reason is that the relevant government departments and units lack a certain degree of rigor and comprehensiveness in urban planning, and there are obvious problems in the protection of historical and cultural buildings, which seriously hinders the implementation of the sustainable development of urban culture ^[4].

3.3 There is a serious lack of standardized control measures

Combined with the relevant standards and requirements, it can be seen that the urban planning scheme should be reviewed and approved by the relevant competent units before the follow-up measures can be implemented and implemented in an orderly manner, and when there are defects and unreasonable points in the plan, it must be comprehensively regulated and optimized to ensure that it meets the specified standards and requirements before it can be fully implemented. Operations that are not strictly approved should be planned to be illegal and will not be accepted by the people.

3.4 The enthusiasm of the public to participate in urban planning and management is low

At the heart of the urban planning process is the creation of a healthy, harmonious and functional living environment for the local population. Urban residents have the right to exercise certain supervision and management over urban planning. However, some people's personal quality level and cognitive ability are limited, and they lack correct cognition and understanding of participating in urban planning and management, and simply believe that urban planning belongs to the work of the government and has no direct relationship with themselves, resulting in low enthusiasm of urban residents in participating in urban planning. In addition, there is a lag in the concept of urban planning of government authorities, which makes it difficult to effectively improve the efficiency of relevant management work, and it is difficult to meet the actual development needs of cities, which hinders the smooth implementation of urban planning and the implementation of sustainable development goals ^[5].

4. Architectural design and urban planning strategies under the new situation

In recent years, with the implementation of the prin-

ciple of “planning first, then construction” in the construction of new urbanization, the guiding and binding functions of urban planning on architectural design have become more and more obvious. Therefore, in addition to paying attention to the building itself, designers also need to accurately understand the relationship between architecture and the city, so as to deal with the relationship between architectural design and urban planning. Specifically, under the clear urban planning requirements, designers should adopt the following strategies in the actual architectural design process^[6].

4.1 Organize architectural designers to learn the plans and requirements of local urban planning

In order to ensure that the architect can design the results in line with the local urban planning and design, the architect can be organized to consult the local urban planning management to understand the local government’s development plan and requirements for the area before starting the design. Designers must be aware of the need to ensure that they can design buildings that are in line with local urban planning, and to be able to conduct self-assessment after the design plan is completed to ensure that the designed building plan is completely in line with the requirements of urban planning. Therefore, it is necessary to organize architects to learn the plans and requirements of local urban planning, because different cities need to optimize and build different aspects in the process of development, some cities need to optimize the transportation system, while some cities need to build more buildings for office, study and residence. Therefore, architects must grasp the local urban planning plans and requirements, and accurately locate the city’s current main development direction and future development goals before carrying out architectural design activities^[7].

4.2 Update the architectural design concept

First, it is necessary to establish the concept of harmony and unity between aesthetics and practical functions. Realizing the unity of aesthetic function and practical function is the key concept to be followed in the urban planning practice of new urbanization construction in recent years. For example, the “14th Five-Year Plan for New Urbanization” clearly points out that in urban planning and design, it is necessary to optimize the spatial layout of residential, industrial, commercial, transportation, ecological and other functions, and appropriately increase the proportion of residential land; It is also proposed to promote the development of urban design, strengthen the shaping and control of urban style, and promote the

coordination of new and old building volumes, styles and colors. Therefore, when designing buildings, it is necessary to focus on combining the concept of harmony and unity of aesthetics and practical functions in urban planning, and integrate practicality and aesthetics into architectural design practice. Second, we must establish a green and low-carbon design concept. The concept of green and low-carbon is the key concept of urban planning in the construction of new urbanization, which is in line with the actual development of modern cities. For example, the “14th Five-Year Plan” New Urbanization Implementation Plan mentions that green life creation actions will be carried out, green travel and the construction of green families and green communities will be promoted, energy-saving products and new residential buildings will be fully decorated, and a green consumption incentive mechanism will be established. In the design of urban buildings, designers should continue to deepen their understanding of the concept of green and low-carbon, and gradually establish the concept of green and low-carbon design in design practice, so that the design of buildings meets the clear green and low-carbon design requirements in urban planning. Third, it is necessary to establish a design concept that integrates architecture with nature and humanity. Realizing the harmonious coexistence of man and nature is the development concept advocated in urban planning, and designers should combine their own experience and experience to correctly understand and deal with the relationship between architecture and man and nature from the concept. In order to ensure that the designed building meets the actual situation and needs of people’s activities; In the relationship between architecture and nature, it is necessary to establish the concept of integration and mutual complementation between buildings and the natural ecological environment, that is, to ensure that the construction and use of buildings will not damage the surrounding natural ecological environment, and to use the surrounding natural ecological environment to set off the ecological value of buildings^[8].

4.3 Incorporate innovative elements

With the continuous acceleration of urbanization, China’s urban planning and architectural design level is also constantly improving, in order to achieve the coordinated development of the two, the relevant departments should be combined with the actual development of the city, in the planning process into the integration of innovative elements, to further promote the long-term development of the city. In the process of urban planning and architectural design, we can appropriately absorb the advanced experience of foreign countries, comprehensively consider the

national conditions, the living habits of the masses, social development mode and other factors, and continue to innovate, so that urban planning and architectural design can be highly suitable for the local geographical characteristics, and ensure the rationality of urban planning under the guidance of scientific design concepts. Nowadays, with the rapid development of ecological civilization, it is also an inevitable trend of the times to integrate innovative elements into urban planning and architectural design, not only to let local residents feel the development of the city, but also to let foreign tourists intuitively feel the rapid changes of the city and establish a beautiful city image.

4.4 Improve the supervision system

When carrying out urban planning and architectural design, the relevant government and departments must establish a sound supervision mechanism to ensure the strict implementation of the system, which is of great significance for building a modern intensive city. At present, in order to maximize economic benefits, many enterprises ignore the construction quality of buildings, which makes tofu slag projects and unfinished projects appear frequently, which not only causes a great waste of resources, but also is not conducive to building a harmonious society. In order to build a civilized city and create a harmonious investment environment, the implementation of urban planning and architectural design must not be separated from the regulatory system, and the relevant departments must speed up the improvement of the legal system of urban planning, ensure the rationality and scientificity of urban planning, and select a professional construction team by means of bidding to ensure that urban planning can be carried out smoothly.

5. Conclusion

In short, urban architecture is the main component of urban construction, urban architecture is the specific im-

plementation of urban planning, and architectural design and construction are very important for the display of urban image. Therefore, in the process of urban construction, it is necessary to combine the actual needs of urban development planning and take into account the long-term development of the city. In the face of today's rapidly changing and developing cities, it is necessary to adopt a more scientific and reasonable, rigorous way to plan, build a better living environment, better realize the people's expectations for a better life, and continuously enhance people's sense of happiness and gain.

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