

Analysis of Gaeml Architectural Culture Characteristics Based on Drum Tower

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Abstract: The beauty of drum tower's plastic arts depends on its exquisite craftsmanship, which is more permeated with profound aesthetic cultural and historical connotations. In addition to building drum tower to ensure its firmness and durability, it pays more attention to the aesthetic effect and condenses the aesthetic cultural connotations. This article not only analyzes the construction structure and material, spiritual and cultural connotation of the Gaeml drum tower, but also focuses on the overall study of the formal beauty, humanistic beauty and artistic value of the drum tower architecture from the perspective of art, so as to enhance people's understanding of the construction art, cultural connotation and aesthetic value of Gaeml drum tower. As a symbolic sample in the Gaeml building, the drum tower is an indispensable cultural field in the Gaeml village. Its ceremonial function and its symbol of the spiritual soul of the Gaeml village make it unique in the village. The cultural value and significance of the grid.

1. Introduction

Architecture is a part of human environment, a carrier of regional culture, and a materialized historical memory. Gaeml drum tower building heritage is a material and immovable cultural heritage, with rich historical and cultural information [1]. It witnessed the inheritance and development of Gaeml traditional culture, which is still alive today. The existence of drum tower has been endowed with many functional meanings, including material function, spiritual function and educational function. In addition, it also carries profound national thoughts and aesthetic characteristics [2]. As the center of the village, Drum Tower is different from other buildings such as Dongzhai Village Gate and Wind and Rain Bridge, and its plastic arts are unique. In the long historical process, Gaeml people gradually formed their own architectural culture and art with outstanding characteristics and distinct personality through life practice [3]. Drum tower in the village of Gaeml is one of the outstanding representatives. Gaeml not only has a long history, but also has a brilliant traditional culture. Drum tower culture is the concentrated expression of this traditional culture.

2. Cultural Cognition of Gaeml Drum Tower

Gaeml's cultural characteristics endow Drum Tower with its function and significance as a ritual building. It includes the origin of drum tower, the function of drum tower, the form of Drum Tower and the cultural value of drum tower. The connotation of visual form in Gaeml culture should follow the rules and characteristics of formal beauty. It is a visual schema and a form of image expression. This is culture. It is the culture created, inherited and loved by the Dong people themselves. It is the real Gaeml culture [4]. It carries the military, political, cultural and religious identities of Gaeml's gathering of people, propaganda, and publicity of village regulations, welcome guests and other military, political, cultural and religious identities. Gaeml's strong sense of group and national identity is largely due to the customs of the ethnic group. Its possession is a priori structure that human beings are born with, such as the law of order constitution, which is the standard by which human beings measure beauty under various cultural and artistic backgrounds. These cultures were created and cultivated in the Gaeml village, and were also inherited and developed in the Gaeml village. Therefore, we regard the Gaeml village as the foundation of Gaeml culture.

There are nearly 1,000 drum towers in the whole Gaeml area, but none of them exist exactly like drum towers. What is behind this construction spectacle is exactly the ethnic identity and collective consciousness of the drum tower culture. They need to expand their living space in mountains, rivers and trees. In mountainous areas, trees can be harvested, houses can be built, terraces can be opened up and wasteland planted. The Dong people built along the mountain range, which became the backing of the Dong village, called “Shunqi”. The delicacy and height of drum tower is a reflection of the relationship between a village or ethnic group, which is demonstrated in the technical and artistic aspects of drum tower construction, so that each drum tower has its own story [5]. At the same time, the presentation of this form also reflects the cognitive results of human beings in the external objective environment, that is, the desire and pursuit of a stable and regular order by the psychology of long-term growth in an unordered natural environment.

3. Gaeml Drum Tower Technology and Aesthetic Recognition of Gaeml Architectural Art and Cultural Characteristics

3.1. Technical beauty of the drum tower building

The ancient custom of “building drum tower before building a village” illustrates the importance of drum tower in the Gaeml village. Its cultural value is further reflected without the superb construction skills of nail and rivet. It is also the “symbol sample” of Gaeml architecture. According to the investigation, Gaeml village, which also lives near the water, will present different settlement patterns due to the subtle differences in terrain and topography and the differences in ecological environment and geographical environment. It is precisely because buildings of different nationalities use different lines to depict the halls in their own national minds that different nationalities will produce unique plastic arts in their local national buildings [6]. The geomantic concept of Gaeml people regarding the location of the village is exactly in line with the concept of taking power and absorbing gas in ancient geomantic science of our country. The pavilion-type drum tower has a flexible layout and a simple shape. Its plane is rectangular and its elevation is similar to that of residential buildings. Ge-style drum tower is distributed in Dong villages deeply influenced by Chinese culture, so its number is not large, and its main social function is gathering and deliberation. On the artistic level, they embody the harmony between man and nature. For example, in decorative patterns, they more or less embody the natural patterns represented by plant patterns. Among them, the hybrid Drum Tower with beam-lifting and bucket-piercing added some Han beam-lifting construction methods, and built purlin on the beam, while the non-central drum tower directly dropped purlin on the column head, adopting the traditional construction method of Gaeml.



Fig.1. Three double eaves, four corners, and a sharp drum tower.

The magnificent Drum Tower with dense eaves and towers not only has a large number and wide distribution, but also is the composition center of the Dong village, which is an important symbol of the Gaeml village. The tower drum tower, which occupies an absolute position in the dong village, not only has unique construction characteristics, but also has significant cultural connotation and artistic achievements. (See Figure 1).

Plain, graceful and natural, it is the most appropriate interpretation of drum tower color by Gaeml engineers. The use of good colors adds to the flexibility and beauty of drum tower. The rigorous and symmetrical tower drum tower looks like an ancient pagoda, with dense eaves, tall and straight towers and graceful shapes. It is a drum tower with a dominant form integrating towers, pavilions and pavilions. The tower drum tower is a typical local building. its height is about 4-5 meters, and each layer of dense eaves are closely adjacent to each other. the distance between the eaves is generally between 0.8 meters and 1 meter. It not only carries the beauty of natural scenery, but also highlights the delicate cultural implication of natural scenery, reflecting human wisdom and the ecological concept of "harmony between man and nature" advocated by the Chinese nation. The appearance of multi-column drum tower structure solves the effect of the height expansion and internal space cohesion of drum tower. The central column gradually evolves from a single column to four columns, six columns and eight columns, and increases the eaves around it to increase its stability. The staircase is located in the side building and goes up to the second floor. There is a long corridor overhanging the second floor. Outside the corridor, there are railings or waist-length wall panels. The promenade is a place for the family to rest. The lines are smooth and full of charm. Of course, the curve with the smallest radian is the most graceful. Therefore, Gaeml's skillful craftsman and extraordinary use of the ever-changing arc endows Gaeml drum tower with unique charm and expression, which is indeed the magic of Gaeml art.

With the continuous expansion of the village scale and the increasing demand for drum tower, drum tower has not only developed in architectural art, but also its social function has changed day by day [7]. In addition to the unique and elegant pagoda-shaped drum tower, drum tower's pavilion-type drum tower is also widely used. The rippling water-like cornices and the unique charm of drum tower displayed by all kinds of rain animals. Compared with the non-central pillar drum tower, the central pillar Drum Tower is the most common. It is not only the core content of the study of Gaeml drum tower, but also a centralized description of Gaeml bucket-piercing architecture, reflecting the development process of the bucket-piercing structure in Gaeml architecture. Compared with folk houses, it is different in height, function and shape. Drum tower is shaped like a pagoda and was first built to facilitate people to have a meeting place and to pass information by drumming. It not only makes the modeling feeling between the eaves and the eaves more prominent and rich, but also highlights the three-dimensional jumping and visual aesthetic feeling between the contour line and the drum tower shape. Drum tower has been developed and perfected in structure and form, becoming a national symbol with multiple social functions and cultural connotations.

3.2. Artistic beauty of the drum tower building

Gaeml Drum Tower is not only exquisite in construction technology, but also convincing in visual art reflected by technology. The application of layer by layer of dense eaves in scale and proportion is just right [8]. Most villages are centered on drum tower. No matter where the houses are built, the eaves of drum tower should be seen and Drum Tower drums can be heard. Therefore, Drum Tower exists as a symbol and symbol of Gaeml village. The cornice of drum tower is usually decorated with colorful paintings of your son. Apart from beauty, this kind of decoration pays more attention to the covering of colors to prevent the sunlight and the erosion of wet and cold weather, and has a good protective effect. Drum tower architects usually use large and small arcs as their design methods in order to make drum tower present perfect arcs in front of people. Then, according to the shape characteristics of embryotype, the corresponding paintings are applied to increase the vividness and verisimilitude of the gray sculpture image. In Gaeml people's mind, green is a natural and tranquil color, so the use of color expresses the villagers' personality and inner

world. Gaeml people believe that the natural and tranquil green can express the inner world and visual aesthetics of the Dong people. Using this color can enhance the temperament of Drum Tower and add Drum Tower is a unique connotation.

Most Gaeml drum tower designers use smooth geometric lines to Abstract.the architecture. Smooth lines not only add beauty to buildings, but also are unique plastic arts in the architecture of different nationalities. The beautiful horizontal line and vertical line, coupled with the use of a small curved line, fully demonstrate the artistic charm and unique charm of Gaeml drum tower. (See Figure 2).



Fig.2. Eaves of drum tower building

As one of the common methods of architectural decoration, color painting has brought different visual feasts to architecture from royal buildings to civilian residences. Overlooking the drum tower, the warping wings and cornices of the contours of the two wings are like a row of neat and graceful cranes overlooking the earth; in the middle of the drum tower, there is an eave angle line, with the exquisite gourd on the top of the tower as the apex, like a dazzling silver bead chain hanging overhead like water; Gaeml folk paintings generally refer to the natural colors in nature, without too many subjective components. The colors are mostly white, green, brown and blue, and generally do not use gray system. Paintings on drum tower buildings are usually completed by local villagers or craftsmen. The painting style is usually simple and honest, with strong local feelings and the simplicity and innocence of Gaeml culture. At the same time, what is more important is the important embodiment of the beliefs and beliefs contained in it. Therefore, all the sculpture of drum towers on the eaves are incarnations of these auspicious images. These sculpture decorations play a major role in beautifying. But the sculpture decoration of drum tower's wing angle and eaves not only beautifies drum tower, but also protects and stabilizes it. The sculpture decoration of Drum Tower has many themes, mostly figure and animal sculptures (See Figure 3).



Fig.3. Carvings and paintings on Gaeml drum tower

Drum tower also embodies the humanities, history and religious beliefs of the Gaeml people. For example, in the religious concept and belief of Gaeml, dragon is the most important totem symbol and the most common totem image in the decoration of drum tower. Some group paintings

depicting Gaeml amorous feelings, historical stories, social life and other narrative themes are mostly found in spacious places such as the plank wall above the lintel of Drum town and Liang Fang. Gaeml drum tower takes figures and animals, legends and stories, totem worship and other decorative elements. These are the life creations of Gaeml people, which come from Gaeml life and act on Gaeml society in a beautiful way. It not only depicts the rich ecological and humanistic environment of Gaeml, but also the changes of people's life in Gaeml. All kinds of contents have become the topics of painting on the eaves boards. In addition, I also like to depict some birds, animals, flowers, birds, grass and insects in vivid patterns, together with the brilliant combination of colors, which makes the eaves of Drum Tower more voluminous, beautify the eaves, and reflect the positive life of Gaeml people. In Gaeml drum tower, the display of every pattern is the display of the history and culture of the Dong nationality. Every symbol that is not available represents a glorious image of Gaeml culture.

4. Conclusion

Gaeml drum tower is the precious heritage of the Chinese nation. It is the national art created by Gaeml people through their wisdom and hard work in the long cultural river. The visual form of Gaeml culture takes its form, extends its meaning, transmits its god, seeks innovation in inheritance, and gradually forms a visual form of regional culture with strong national characteristics. The technical and artistic expression in the construction of Gaeml drum tower shows the creative spirit of the Dong people and their understanding of art. The construction technology and artistic expression of drum tower bear a profound Gaeml cultural tradition, which is an important part of further interpretation of Gaeml culture and has extremely high artistic aesthetic value and cultural research value.

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