

Research on Measures and Innovation of Strengthening Construction Management of Architectural Engineering

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Keywords: Architectural engineering; Construction management; Quality supervision; Measures; Innovation

Abstract: There is a great pressure of competition in the architectural engineering. In order to obtain a longer-term development, the construction company is bound to carry out innovation in the construction management to improve the construction efficiency and improve the construction quality. There are some problems in the construction management of our country, m such as the construction enterprises paying less attention to the construction management and the loopholes in the construction quality management system, which hinders the development of the construction company to some extent. Therefore, the author first analyzes the problems in the process of construction management, then puts forward the measures that can be strengthened in the construction management, and finally expounds the innovation in the construction management.

Introduction

The most important thing in the construction management is actually the quality of architectural engineering. According to the national law, all the construction quality should meet the quality standards. In each link, we should also do a good job in the review work to improve the management level of the construction and ensure that the quality of the construction is effectively improved. The construction management directly affects the construction quality that has a direct impact on the people. A little carelessness may cause major accidents. Therefore, it is of practical significance for construction enterprises to deeply explore the effective measures of and analyze the innovations of construction management.

1. Analysis of Problems In The Process Of Construction Management

To some extent, the architecture industry leads the people's living standards to be improved, and the national requirements for the quality of architecture are gradually increasing. High-rise buildings may endanger people's life safety. It is worth studying how to improve assurance measures of construction quality and reduce construction risk in many aspects in the architecture industry. At present, there are also some problems in the construction, which mainly focus on:

(1) Lack of professional skills of construction management personnel

In the architecture industry of China, most of the construction management personnel come from the grass-roots construction personnel. They think more about the construction management from the reality, but they are lack of the level of cultural theory and construction technology, which will directly affect the scientificity of the engineering construction technology. They can not analyze the ambiguous situation from a professional point of view, and can not reduce the risk from the combination of theory and practice. In addition, it is difficult for them to engage in engineering

work, so the quality of construction is questioned.

(2) Lack of prevention mechanisms

In the construction management, and the remedy is only after the accident occurs, and there is no thinking from the perspective of prevention. Because of the lack of effective supervision and management in the construction management, some problems about construction quality can not be solved in time, which may cause risks to the later work, and frequent construction accidents. And people's lives and money have caused serious losses. The construction industry has also been misunderstood by this "a rat shit", which affects the sustainable development of the architecture industry and damages the economic interests of enterprises.

(3) Conservative construction management

At present, many projects of construction enterprises still choose the past technology, and the equipment is relatively old. Of course, the overall cultural quality of construction workers is not high, and they may have difficulties in the face of new equipment and technologies. But companies still show conservatism when facing new technologies and new equipment that naturally increase the cost of construction. It requires careful consideration in terms of economic benefits. However, the technology of the modern construction industry is constantly updated. If it is still conservatively developed, the traditional construction technology cannot meet the needs of modern buildings, and the quality of the buildings stays at the traditional level, which cannot meet the needs of the modern population. Over time, construction companies will only be gradually eliminated.

2. Measures of Strengthening Construction Management of Architectural Engineering

Facing the problems presented by the construction industry, it is necessary to take specific measures to control the construction management in combination with the actual situation.

(1) To strengthen the quality and skills of modern construction workers

The quality and skills of construction workers and their attitude to work have a great influence on the progress and quality of building construction. In the end, the building is still built by humans. Therefore, the construction workers of modern construction management first need to be managed. It is important to mobilize the enthusiasm of workers, improve the construction quality of workers, and improve construction efficiency. Combined with current reality, it is worthy of recognition to provide economic encouragement and subsidies for food and accommodation for workers. In the face of major issues, the worker are given active support and rewards, so as to mobilize the wisdom of the masses to solve practical problems, which can make workers feel the care of the organization, and help workers improve their living conditions. Workers can work actively in such an environment, work hard to learn new technologies, and improve construction efficiency. At this time, in the modern construction management, properly giving workers certain scientific guidance can help workers better improve the construction quality and ultimately win a win-win situation.

(2) Point-to-point governance of construction management

Before the start of the project, the construction management personnel should be aware of the main points of the construction, and the key points, difficulties, and deviations that are easy to occur should be reversed. In the actual construction, we will do a point-to-point review in conjunction with the drawings, and do auxiliary management from on-site management and supervision. Before the acceptance, the project shall be checked to ensure that it can be accepted smoothly. The management and supervision of the construction site is the most critical. It is necessary to control the quality under the guidance of professional and technical personnel to ensure the smooth acceptance of the building. The acceptance must also be scientifically accepted in accordance with the requirements of the drawings. Unqualified projects should be effectively supervised and transformed to control the construction quality.

(3) To improve the personal ability of construction management personnel

The quality and level of construction management personnel play a decisive role in the smooth acceptance of the building. Therefore, the management personnel need not only to have rich practical experience, but also to have professional theoretical knowledge, and have a certain ability to solve problems when facing problems. Only in this way can the construction personnel be guided

on site to complete the construction work with quality and quantity. It is necessary to train the management personnel to improve their quality and skill level and improve the management level in a subtle way.

3. Innovation in Construction Management

The construction management should also think about innovation actively in the wave of modernization to help the construction management occupy a place in the future.

(1) The innovation of construction management concept

When enterprises dispatch construction management personnel, they should combine the actual ability of management personnel, screen the personnel with review ability and novel management concept, and manage the project benefits and workers' ability well. In addition, these managers should also make clear the project management objectives, and have a degree of balance between quality, cost, construction and safety, so as to ensure the smooth completion of construction in accordance with the contract. The assessment management personnel of the enterprise must be rigorous and conscientious, update and innovate the management concept, optimize the cost target, quality target, construction target and safety target, and improve the competitiveness of the enterprise.

(2) The innovation of construction technology management

Among construction enterprises, construction technology management is important. The new construction technology in the trend can bring quality assurance. For the new construction technology, the management personnel should combine the actual situation, do a good job in risk assessment and improve the management innovation concept. The construction technology includes the introduction of technology, the landing of technology, and technical assistance to solve practical problems. In terms of computer information technology, under the background of computer information technology, the era of big data has entered all walks of life. It may be the concept of "emptiness" at present that the combination of construction management with computer information technology to ensure the quality of construction. But it is likely to come true in the future.

(3) The innovation of construction management system

Modern buildings should be equipped with modern construction management system. It is imperative to complement scientific management and responsibility to personal management, as well as collaborative and efficient office, seamless connection of various project management. The unreasonable system and framework in the construction management of enterprises should be innovated and improved in time to improve the management ability of the management system. Enterprises can also do a good job in the construction of corporate culture in the innovation of management systems. Corporate culture is very important for an enterprise to obtain long-term vitality, and it is the soul of the enterprise. Therefore, the enterprise's values are bound to be analyzed from the overall analysis, and should also be innovated from the aspects of cultural objectives and cultural impact. Different subcultures help companies to enter a healthy and sustainable construction company steadily.

Conclusion

The pace of urbanization in my country is rapid, and the architecture industry has achieved rapid development, and high-rise buildings in the suburbs of the city have gradually risen. As an "upstream industry", the architecture industry has also driven the development of downstream industries while developing rapidly. The national economy of our country benefits from this, which also has a new momentum of increase. In the construction management, modern management concepts can be matched with modern construction workers and professional management personnel to carry out point-to-point construction management to improve construction quality. It can also innovate from the management concept, from the management system, from the management technology concept, to help construction companies occupy a place in the fierce competition in the future.

References

- [1] Sun Shaobo. Analysis of Measures to Strengthen Engineering Quality Supervision in Construction Management [J]. Commodities and Quality, 2019, 000(004): 66.
- [2] Kong Xiangjian. Analysis of Measures to Strengthen Construction Technology Management of Building Engineering [C]// April 2019 Academic Conference on Construction Technology and Management. 0.
- [3] Du Qingcun. Analysis on Measures to Improve the Management Level of Construction Engineering Technology [J]. Commodities and Quality, 2019, 000(006): 17.
- [4] Jia Zaiqiang. Research on the Application of Innovative Management Measures in Management of Construction Engineering [J]. Building Materials and Decoration, 2019, 565(04):180-181.
- [5] Wang Wenfeng. Analysis of the Application of Innovative Management Measures in the Construction Management of Architectural Engineering [J]. Chinese Interior Decoration World, 2019, 000(013):197.
- [6] Guo Qiuyan. Analysis of Measures to Strengthen Engineering Quality Supervision in Construction Management [J]. Commodities and Quality, 2019, 000(008): 50.
- [7] Xiang Weihang. Research on Innovation of Construction Management Based on the Concept of Green Construction Management [J]. Building Materials and Decoration, 2019, 000(015):183-184.
- [8] Mo Yanrong. Measures for Strengthening Construction Safety Management of Deep Foundation Pit Engineering [J]. Architectural Development, 2019, 003(006): P.136-137.
- [9] Zhang Shuai. Analysis of Common Problems and Countermeasures in Construction Management [J]. Chinese Interior Decoration World, 2019, 000(001):257.
- [10] Meng Zhaohong. Research on Common Problems and Countermeasures of Construction Engineering Management under the New Situation [J]. Easy to Learn Computer, 2019, 000(001): P.44-44.
- [11] Ju Jixiao, Yi Shanyi. Analysis of Measures to Strengthen Engineering Quality Supervision in Construction Management [J]. Brick and Tile World, 2019, 000(004):157.