

Application of Construction Safety and Construction Management Strategies in Building Construction

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Abstract:

With the arrival of the new situation, the actual construction process of construction specialization, and the existence of cross-construction, backward construction engineering construction technology, and safety construction management methods, have not been able to keep up with the speed of development of the construction industry, many problems and drawbacks are gradually emerging, so it is necessary to further improve the relevant safety construction management content, to ensure that the construction process of the process of conversion can be effectively implemented, so that the construction process can be effectively applied in the subsequent construction, so that the construction can achieve the established goals. It can be effectively applied in the subsequent construction so that engineering construction can achieve the established goals.

Keywords:

Construction; safe construction management

Introduction:

Over the past 40 years of reform and opening up, China's economic construction has made great achievements, and the level of industrialization, modernization, and urbanization has been continuously improved. Thanks to this, the construction industry has gained great development and become one of the pillar industries of the national economy. Building construction management is the key to guaranteeing the economic and social benefits of construction projects, and safety management is an important part of building construction management. Safety management is not only related to the safety of construction on the project site but also has an important impact on the quality management, progress management, and cost management of the project. Affected by a variety of factors, there are many problems in the current building construction safety management, in this regard, we should strengthen the application of building safety construction management strategies in building construction and improve the level of building construction safety management.

1. The value of construction safety construction management

1.1 Construction characteristics of building projects

Currently, there are gradual changes and mobility characteristics of construction projects, construction problems such as will affect the quality of the project, functionality, etc., so it is necessary to understand the advantages of various types of practical application of construction technology, on this basis, combined with the actual situation of the project to develop a standardized system to improve the efficiency of the project's construction, specifically expressed as follows: holistic features: the construction project is more systematic, the need to be fine-tuned from the project as a whole during construction The requirements of the construction of all aspects of the construction must be closely linked to improve the quality of the final construction. Complexity characteristics: the construction project is refined to cover more content, and there will be cross-construction in the construction of the situation. Therefore, there is a need to strengthen the focus on technological innovation.

1.2 The value of on-site construction safety

Construction engineering involves the construction of a wide range of areas, and different geographic environments for construction there will be certain differences, and due to the existence of a certain relevance of building construction technology, so it can be said that construction safety and technology application have an inextricable relationship. Doing a good job in the application of construction technology can not only ensure construction safety, but can shorten the construction period, in order to prevent rework after the fact on the basis of constantly improving the economic efficiency of engineering construction. At the same time, on-site safety can further improve the safety coefficient of engineering construction, according to the actual needs of the development of rationalization standards, to protect the construction quality of construction projects, to avoid the occurrence of risk problems, so that the construction of the project perfectly meets the needs of the development of the times.

2. The main points of the application of construction safety construction management strategies in building construction

2.1 Implementation of a comprehensive security management strategy

Building construction safety management is characterized by systematic, integrated, and comprehensive, and any link not in place may lead to serious consequences. Therefore, the application of building safety construction management strategy in building construction should take the implementation of a comprehensive safety management strategy as the key content. From the perspective of the main body of management, traditional construction safety management is responsible for by specialized safety management personnel, which has great limitations and weakens the main position of construction workers in construction safety management. To create a new paradigm of construction safety management with full participation, strengthen the independent management role of construction workers in construction safety management, and improve the ability of construction workers in construction safety management with the help of training. From the perspective of management content, construction safety management should cover all the factors that may threaten construction safety, such as technical factors, material factors, personnel factors, equipment factors, and so on. Taking the equipment factor as an example, it is necessary to combine the characteristics and functions of the construction equipment, introduce corresponding operating procedures, and provide effective guidance for the operators. It is necessary to establish a sound inspection and maintenance mechanism for mechanical equipment, combining regular inspection with unscheduled inspection. At the same time, the equipment operators should have the basic fault recognition ability, once an abnormal phenomenon occurs in the operation of the equipment, it is necessary to stop the operation in time and feedback to the technical maintenance personnel.

2.2 Do a good job of building construction safety risk management

There are a large number of safety risks associated with building construction, for example, natural risks. Natural risk refers to the risk arising from changes in the natural environment. Natural risks have a very great impact on the implementation of building construction. Extreme and adverse natural weather will not only affect the construction progress of the project but may also cause damage to the completed part of the project, leading to delays in the schedule and higher costs. The most typical one is the risk of project settlement due to poor geological conditions. Another example is the technical risk. Building construction involves a large number of construction techniques, and it can be said that each process has different techniques. Substandard construction technology will not only affect the safety of construction workers but also the safety of building quality. In this regard, it is necessary to strengthen the construction safety risk management, from the perspective of preventing problems before they occur, to improve the level of construction safety. Take technical risk as an example, in order to improve the standardization of construction and reduce the safety accidents caused by technical problems, we should compile technical specifications on the basis of unified technical standards so that the construction workers can have a basis to rely on in the operation and improve the level of construction safety management.

2.3 Establish the concept of management for excellence

Refined management is both a management idea and a management method. As a management idea, refined management takes excellence as its connotation, reflecting the organization's pursuit of perfect management. As a management method, refined management takes a scientific division of operation procedures, establishment of quantitative operation

standards, and strict performance assessment as its main content. The characteristics of refined management are mainly as follows: first, regularity. Refined management from the development of conventional management, advocating the sense of rules, the requirement to play a good program, and the system in the management of the fundamental role. Second, strategic. As one of the main contents of scientific management, refined management has a strategic position in enterprise management, aiming at the clarity of strategic objectives, standardization of internal management, and maximization of resource benefits, which can effectively integrate the short-term and long-term interests of the organization, individual interests, and collective interests. Third, process. Refined management has no end, and is a continuous process of refinement, including top-down active guidance and bottom-up conscious response to the two paradigms, advocating the continuity of management activities, and constantly optimizing the management model, improving the level of management.

3. The Practice of Building Safety Construction Management Strategies Applied in Building Construction

3.1 Improve building construction safety management system

"No rules, no circle", construction safety management system construction is the core content of the building safety construction management strategy. To improve the construction safety management system from the following points: first of all, improve the standardization of system construction. A construction safety management system is the most important line of defense for construction safety. "The People's Republic of China Construction Law", "People's Republic of China Safety Production Law", "Building Construction Safety Management Measures" and other laws and policies as the basis, combined with the type and characteristics of building construction, the introduction of standardized construction safety management system. Secondly, focus on the comprehensiveness of the system construction. For building construction, safety risks are everywhere, and the omission of any one link may lead to serious safety problems. Therefore, the system construction should pursue comprehensiveness, and construction safety-related aspects and links, are included in the system construction. Take construction materials management as an example, some construction materials are flammable and explosive, and there are certain safety risks. To start from the physical and chemical properties of construction materials, the development of special transportation, warehousing, and storage systems, to minimize the probability of safety problems. Finally, strengthen the strictness of the system implementation. "The world does not suffer from the law, but suffer from the law that must not be done", building construction safety problems and poor implementation of the safety management system have a great relationship. Although some construction sites have a safety management system, the implementation is not in place, the safety management system is on the shelf, and it is difficult to play a real role in preventing safety risks. In this regard, we should not only pay attention to the system construction, but also strictly implement the system, and improve the bottom-line awareness of the system of on-site construction personnel.

3.2 Strengthening the assessment of building construction safety management

Building construction safety management assessment is the key content of the building safety construction management strategy, to closely follow the current building construction safety management assessment of the weak points, the following points to take measures: first of all, establish the responsibility to the awareness of the person. From the perspective of the unity of rights and responsibilities, reasonably divide the responsibilities of different subjects in the construction safety management, to carry out assessment activities centered on the responsibility of safety management, to implement the construction safety management assessment to the specific positions, specific personnel, so that the construction safety management assessment and building construction are closely integrated, and better play the role of building construction safety management. Secondly, the scientific setting of the assessment index system. Focusing on the content, tasks, and objectives of building construction safety management, building a comprehensive coverage, clear hierarchy, and reasonable weighting of the assessment index system, focusing on the responsibility to do a good job in the inspection, safety accident handling, safety education and training, system implementation and other assessments, to provide a good basis for the orderly and effective implementation of assessment activities.

Conclusion

Safety measures and construction technology in construction engineering construction, determine the efficiency, quality, and effectiveness of the construction, so it is necessary to clarify the objectives of engineering construction, shorten the construction progress of the project through unified management, consider the safety of the building, and take measures to effectively solve all kinds of problems in the construction of the project, and constantly accumulate experience in practice to keep pace with the development of the times, and provide impetus for the industry to achieve sustainable development.

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