

~~constructing~~ mass housing ~~construction in the country~~. Among industrial construction systems, although Light Steel Frame (LSF) has obtained higher status than ~~others~~~~others have~~, ~~however~~, it needs to be ~~modified~~~~adjusted~~ in order to materialize the abovementioned objective.

Keywords: Industrialization, Industrialized Building Systems (IBS), Evaluation

1- Introduction

-Moving towards industrialization is very important in the developing countries and ~~the said~~ ~~issue~~ requires simultaneous progress and development in all industries. As one of the important industries affecting the society, the building industry requires special attention in this field more than ~~the other industries~~~~any other industry~~.

Inequality of supply and demand in Iran's housing market has ~~caused~~~~resulted in the outcome~~ that common methods do not meet requirements of this sector anymore, and necessity of creating development and change in the traditional methods of building industry is felt direly.

There are ~~different methods to replace with the~~~~alternatives for~~ common traditional ~~methods~~~~methods~~; ~~but~~~~however~~, experts believe that industrial ~~scale~~ production of buildings is the most appropriate method to solve supply and demand inequality in the country.

Constructing industrial housing will provide the possibility of constructing ~~cheap~~, affordable and economic housing due to the high efficiency of the production factors, ~~and~~ repetition of production process. In the first step, constructing industrial housing will ~~be followed by~~ economic savings, and ~~in the long term~~ will lead to the improvement of the current situation ~~in the long term~~ as influenced by the culture of construction in the country and ~~entrance~~~~entry~~ of new technical know-how with regard to designing and constructing buildings. [1, 2]

Given the importance of the subject, previous researchers have studied ~~the~~ subject of industrialization meticulously, so that Liu and Ying (2009) studied pre-fabricated subjects in the building industry and considered it as one of the main ~~ways~~~~methods~~ in industrialization of residential buildings. According to the results of this study, aspects related to the environment, economy and technology of construction in this method ~~has~~~~have~~ been found more suitable than the common methods, although there are yet some weaknesses in this method.

~~So~~~~Hence~~, different prefabricated methods can be used vastly in the construction of ~~industrial~~ residential units ~~industrially~~. [3]

In a study, Bing and Jing-Jing (2010) studied ~~the~~ level of industrialization in China. In this study, industrial level of the construction industry has been measured in China using Linear Regression Model, and considering factors affecting industrialization as independent variables and industrialization level as dependent variable. ~~With~~~~By~~ ~~inserting~~~~entering~~ data in the

پاراگراف [Trans 24]:
ناتمام است. بعد از جمله LSF مخاطب دنبال نتیجه گیری کلی توسط مقاله است. جملاتی که در Conclusion به کار برده اید می تواند با جمله بندی متفاوت و در نهایت اختصار در پایان چکیده قرار گیرد. لازم به ذکر است جمله پایانی نباید بیش از ۴۶ کلمه باشد، چون سقف اطمینان ۲۵۰ کلمه چکیده با این تعداد کلمه پر می شود.

کلیدواژه تا ۳ کلیدواژه دیگر اضافه کنید. [Trans 24]:
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Mentioning this point seems necessary that all the questions are assumed to be approved in each technology. ~~So~~Therefore, the questions, which imply acceptance or rejection of a ~~technology~~technology, will not be considered in this evaluation.

5 – 2 – Specific Features of the Questions

5 – 2 – 1 – Structure

In the structural section, the questions are designed in three evaluation criteria of quality, economy, and speed. In terms of quality, it is tried to pose ~~questions which~~questions, which are expected from an appropriate structure. This issue has been taken into consideration in technical quality of the structure in terms of behavior of construction materials, behavior of structure ~~to~~ ~~the~~towards gravity and lateral loads, limitations in plan and height, structural fittings, flexibility in architecture, and degree of factory and workshop-related effects. ~~Totally, a number of~~In total 25, 25 questions ~~has~~have been provided and formulated.

Economic evaluation's questions have been designed in two independent forms and in comparison with the common steel structure and reinforced concrete systems.

This subject includes weight of structure, and main consumable construction materials such as cement and steel. On the other hand, questions have been designed according to the three production stages of a full structure as follows: costs related to the construction in the factory, ~~transporting-transportation~~, and ~~installing-installation~~ at the workshop.

The degree of this waste and ~~recycle-recycling~~ and destruction of structure are of the criteria to design some questions. ~~Totally~~In total, 20 questions have been designed in this ~~part~~section.

5 – 2 – 2 – Architectural Components

In this part, questions have been designed in three evaluation criteria of 1)- quality; 2)- economy, and 3)- speed. In the qualitative questions, it is tried to evaluate the followings: ability of components in adapting with ~~the architectural~~architectural designs of the country, capability of typing and modular of components, number of construction materials and measures of ~~installing~~installation, climate and durability, degree of effectiveness and/or influence with relation to the structure, ability of construction of façade, possibility of creating changes after ~~installing~~installation, and capability of execution of wet and dry connection; etc.

~~A number of 25~~Twenty-five questions have been considered in this criterion.

In economic evaluation questions, the architectural component is one of the most important and effective parts in the criteria. The questions in this part were posed in terms of degree of weight, cost and number of construction materials, costs related to ~~the~~factory operation, transporting, and ~~installing~~installation in important parts of the components including walls, windows, floors and façades, as well as questions related to the waste and inefficacy of parts and construction

Comment [Trans ۲۴ E1]: به نظر می رسد degree در جای جای این ترجمه به درستی استفاده نشده است. به نظر می رسد مفاهیمی چون شدت، سطح، میزان و غیره همگی به صورت degree ترجمه شده اند که از لحاظ مفهومی مسئله ساز است، و باید توسط شخص مؤلف یا مترجم مقاله مجدد بررسی گردد.

Comment [Trans24 E15]: ?

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