

162. A REVIEW ON STUDY OF DESIGN CONSTRUCTION INTERFACE IN CONSTRUCTION INDUSTRY

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Constructions are becoming more and more convoluted and complex these days. Hence the management of construction is vital. And the problems associated with the construction must be familiarized. Once the problems are identified it is easy to prevent their occurrence. For this reason effective construction management is essential which deals with identifying the factors that cause these problems and avoiding them. Problems mainly take place intermediate to the design phase and construction phase. Here comes the relevance of this topic: "Study of Design Construction Interface in the Construction Industry". This paper deals with the review of the topic: study of Design Construction Interface which includes the review of thirteen journals which dealt with the design construction interface problems. Professionals from various countries who conducted studies from 1996 to 2013 showed the relevance of this topic in construction industry. Type of their study, methodology the authors adopted for study, Author's results and conclusions are described briefly. These Author's studies comprises the identification of the factors that cause design construction interface problems, their impacts in the design construction interface, preventive methods that can be adopted and suggestions of methods for improving the design construction interface. Thus concluding: lack of communication between professionals, inappropriate selection of construction materials by the designer, time limitation in the design phase, owner's slowness in accepting final design, lack of communication between owner's and designer's family are some of the major factors that causes interface problems. The use of interface management documents, improvement of buildability attributes that causes buildability problems, implementation of Construction Interface Matrix (CIM) and Design Interface Matrix (DIMS) can reduce the interface problems.

Key Words: Construction Management, Design-Construction Interface, Interface problems.