

Labour-saving Construction Using Buildability Framework through Strengthening Designers in Delivering More Buildable Designs

Authors : Muhammad Lawal A., Abdullateef Abdulkarim Jimoh

Abstract : This study is to appraise the labour-saving construction methods achievable using a buildability framework through an improved design system. Adoption of labour-efficient technology and construction techniques will be necessary to supplement good buildable designs. Increased usage of prefabricated, modular, and standardized construction components, simplicity in the design, and the number of integrated elements all work to advance buildable design. The objectives of the study include `determining a more efficient buildability framework for designers to achieve labour-saving construction'. 20 completed building projects in Birnin Kebbi, Nigeria, is used as a case study to buttress the proposition that `a more buildable design using buildability frame result in labour-saving in construction adopting a Singapore study approach.

Keywords : buildability framework, buildable designs, construction, labour-saving construction

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