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REVIEW AND DESIGN
OF
PREFABRICATED BUILDINGS

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SYNOPSIS

The wide application of prefabricated building systems in Malaysia is an interesting phenomenon. Various prefabricated building systems originating from Europe and Japan are used in achieving the targetted number of dwellings to accomodate the increase in the housing needs. These systems, with their own unique production, erection and jointing methods, give rise to a wealth of informations on the various systems, as have been applied in the whole world.

Also, with the various systems that are applied without much effort towards adaptation to Malaysia's condition, a major question arise as to the degree of suitability and effectiveness of each and every systems. Problems such as leakages, that surface due to the application of these systems without proper consideration of Malaysia's climate and culture, brought about rethinking on the merits of these systems in particular, and of prefabrication in general.

Another aspect of the Malaysian condition that differs from countries where most of the systems originate is the surplus amount of labour and the shortage of technical expertise in the field of prefabrication. This leads to the question of whether prefabrication has achieved it's supposedly aim of achieving cost

effectiveness by labour decreasing needs and reducing construction time.

This study on prefabricated buildings in Malaysia will hope to provide a clearer picture on the scene related to the current situation in Malaysia. It will also discuss the various aspect related to the industrialization process in general.

Since it is impossible to be comprehensive, this study will concentrate on reinforced concrete prefabricated systems with particular attention to the scene in Selangor.

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