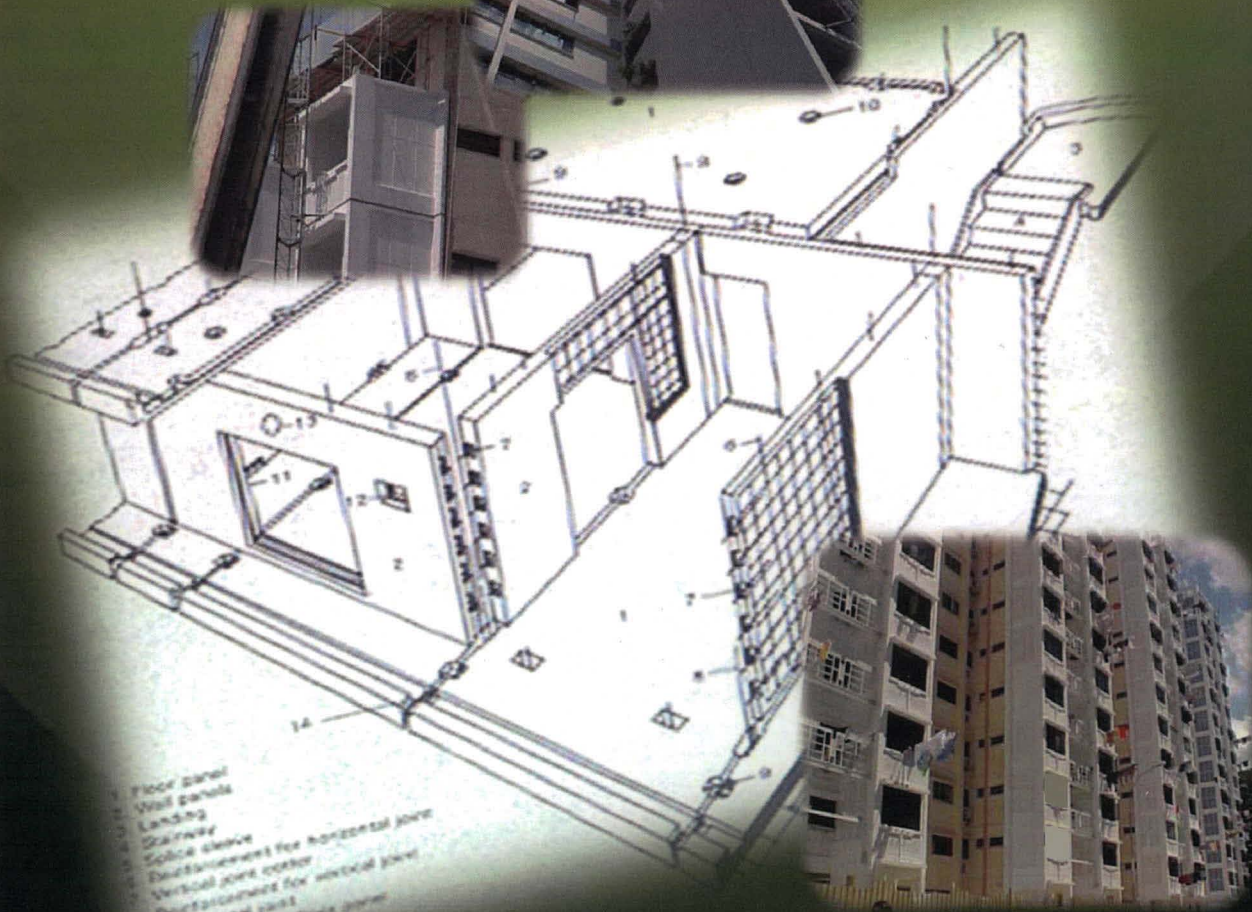
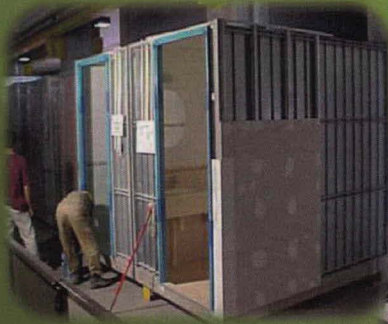


# IBS TOWARDS OPEN BUILDING SYSTEM IN MALAYSIA

Editors:

Asiah Abdul Rahim

Zulkefle Ismail



- 1. Floor panel
- 2. Wall panels
- 3. Landing
- 4. Stairway
- 5. Splice sleeve
- 6. Reinforcement for horizontal joint
- 7. Vertical joint center
- 8. Reinforcement for vertical joint
- 9. Floor panel joint
- 10. Hook for lifting floor panel
- 11. Hook for lifting floor panel
- 12. Hook for lifting floor panel
- 13. Hook for lifting floor panel
- 14. Hook for lifting floor panel



# **IBS Towards Open Building System in Malaysia**

**editors:  
Asiah Abdul Rahim  
Zulkefle bin Ismail**



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## CHAPTER 1

### **Industrialised Building System (IBS): The Issue of Definition and Classification.**

*Kamarul Anuar Mohamad Kamar*

#### **INTRODUCTION**

One major hurdle for research in the area of construction industrialization was to define the boundaries and establish clear basis of measurement. The terms used in construction industrialization are ill defined, often interchangeably with other terms and their precise definitions depend heavily on user's experience and understanding, which vary from country to country. The lack of uniformed definition and uncertainty in context and boundary contributed to the prejudices and misunderstanding.

Many industrialized construction technologies coexist with conventional onsite work in hybrid construction. As such, the workable definition needs to be developed for the research fraternity and practitioners. Though many of the construction industrialization terminologies are still in use, the term; Industrialized Building System (IBS) is widely used by the government, practitioners and researchers in Malaysia to represent industrialization in construction. The term is defined by Construction Industry Development Board (CIDB) as a construction technique in which components are manufactured in a controlled environment (on or off site), transported, positioned and assembled into a structure with minimal additional site works (CIDB, 2003).