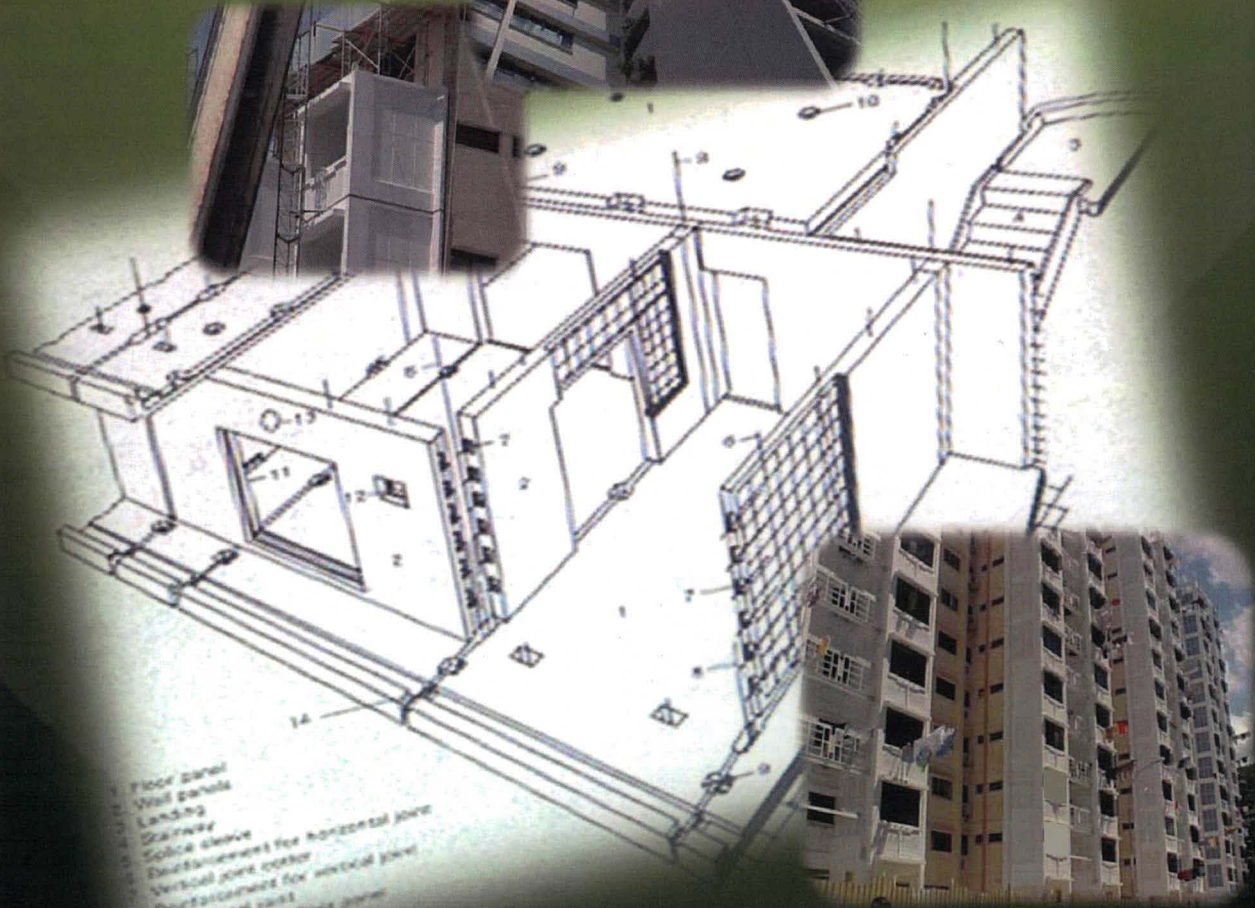
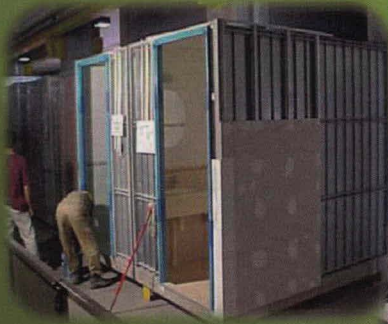


IBS TOWARDS OPEN BUILDING SYSTEM IN MALAYSIA

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 cover
- 8 Reinforcement for vertical joint
- 9 Floor panel joint
- 10 Hook for lifting truck jacking
- 11
- 12
- 13
- 14



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Zulkefle bin Ismail**



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CHAPTER TWO

Towards Open Building System in Housing: The Application of Malaysian Standard in IBS Construction

Zulkefle Ismail & Asiah Abdul Rahim

INTRODUCTION

The Malaysian construction industry plays an important role in generating wealth to the country and development of social and economic infrastructures and buildings. The New Economic Model aims to increased productivity through the efforts in innovation and creativity. By putting emphasis on this new economic model, the hope is to attain a higher level of competitiveness and eventually improve the Malaysian standard of living. However, the residential building goes far beyond issues of construction alone. In construction industry, the design stage is the main activity concerned in the production process. In order to reduce wastage, the construction using IBS should target a limited number of components. A house is not simply a shelter to be negotiated.

The permanent nature of buildings (some lasting for hundreds of years) makes architectural design of the built environment a pressing and critical issue. Retrofitting and renovations represent unnecessary wastage of time, money and materials. Architectural design features that are built into an environment from the beginning are more likely to be compatible and to fit with users need to attain a quality and sustainable home. This paper presents a literature on the application of Malaysia Standard for Modular Coordination (MC) of IBS construction in the points of adaptability towards Open Building System. This paper begins with a history of precast concrete components the material of choice for residential buildings in Malaysia