Design guide for piles using locally produced steel H-section

Synopsis:

With the production of hot–rolled steel sections locally, there is recent tendency for the construction industry in Malaysia to use steel H–piles to support buildings and bridges. This development has thus prompted a need for design guide to assist engineers in designing piles using locally produced steel H–sections. The principal objective of this publication is to provide practicing engineers with the essential information related to the design and application of locally produced steel H–sections piles. The information provided in this guide covers most parameters required for the design of steel piles, namely soil investigation, interpretation of soil parameters, design of H–piles, uplift, lateral and ultimate resistance of short and long slender piles. Additional information such as piles group consideration, installation of H–piles, corrosion and protection of steel piles are also included. Some parts of the information provided in this book are also applicable to the design of reinforced concrete piles.

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