ABSTRACT

The use of bar coding in the manufacturing and retail sectors is not new. Apart from countries like the United States and Japan, the use of bar codes in the construction industry is however, relatively new. Bar coding is an entirely new concept in the Singapore construction industry. Case studies relating to bar coding in the Singapore construction industry do not therefore exist. Hence for the purpose of this study, two case studies based on the library and supermarket environment were undertaken to draw the relevant lessons for the construction industry. These lessons were used to prepare a framework for implementing bar coding in the Singapore construction industry.

Apart from the above, this study also traces the limited literature pertaining to bar coding through a review of the relevant available local published literature. The present state of bar coding standard works done in Singapore was also examined to gain a better insight into the bar coding standardisation and to assess its appropriateness for the construction industry.