

DESIGN A SHOPPING MALL

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ABSTRACT

The title of my project is 'Design a Shopping Mall' which is located at Putra Heights. The objective of this project is to design a structure that is durable, economical and safe to the user. there are many facilities in this shopping mall, such as fast food outlets, restaurants, clothing shops and etc. a good allocation of the facilities proposed must be well planed and according to the architectural.; the first preparation for this project design., the emergency exits distance and the dimension of handicaps toilet are based on the architect's handbook.

After that I had drawn the structural layout plan for my shopping mall design, and it should be planned and designed with safety. The structural members should be able to withstand the imposed loads based on BS6399 Part 1. The dead loads are according to the architectural design to it respective usage.

The design of shopping mall work is started from the top of the structure to the bottom of it. Basically, the structure for my shopping mall is designed by reinforced concrete method based on BS8110 Part 1. The design is started with slab, staircase, beam, column and the lastly is footing for the shopping mall building.

All the structural design theories are attached to the Body of this report and the report has also guild you through the process of the design of the structure. Besides, all the calculation of structure, the schedule of the structure and detailing of the structure are attached to Appendix.