

Design of a Recreational Centre with a Rooftop Cafe

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ABSTRACT

The project entitled, "The Design of a Recreational Centre with a Rooftop Cafe", whereby the main objective is to design a recreational centre that is able to withstand any loadings, moments, shear, and bending. Besides that, also a durable, economical, and safe structure is to be provided to end users.

The first step of designing for the recreational centre would be to determine the architectural drawing which includes the design of the layout of the structure, external appearance and interior design of the structure. The architectural drawings are attached in this report.

Next, the most important part would be the structural design of the recreational centre. The process of the design would be shown further in the report. Methods of design are done step by step and the design work is based on the reference of British Standard Code of practice. The design work is started from the top of the structure to the bottom. Finally, the detailing of the structural elements is shown further in the report.