

PLANNING AND DESIGNING OF A GYMNASIUM

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ABSTRACT

Gymnasium is a room or a hall with equipment for gymnastics. The objective of the project are plan, design and analysis the structures of the building based on the limit state design recommended by BS 8110 and BS5950. Besides that, to ensure that the structure is safe, economical and maintain its specified life.

The gymnasium is designed as a rectangular single storey building, having a clear floor area; 75mm x 25mm, with a clear height to the underside of the roof is 6m. The roof is designed as a double pitch roof, spans of 25m.