

STRUCTURAL STEEL DESIGN OF A WORKSHOP FOR MAINTENANCE AND REPAIR OF COMMERCIAL VEHICLES

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ABSTRACT

The knowledge that can be obtained from this project is the information regarding the structural design of a building. This project report is explained about the method of steel design for roof trusses, columns and car ramp. The concrete design for slabs, footing as well as retaining walls for oil trap and inspection pits are also carried out in this project. Each part of the structure have to support certain loading with Limit State Design based on BS5950: Part 1 (steel structures), BS8110 : Part 1 (concrete structures), BS 6399 (loadings) and CP3: Chapter V: Part 2 (wind loads for steel structures)