

STRUCTURAL ANALYSIS OF A FACTORY

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ABSTRACT

In this project, I have design out a simple outlook of a factory and have also draw out the design. The factory is divided into a few parts, that is the roof, beams (body) and the footing. But in this project, I concentrate on the roofing only and some on the body part, not the footing part.

The roof is usually in the truss form and there are few types of typical roof trusses that are Pratt, Howe and Fink. In my design I have chosen the Howe type, and I have also explained how the structure is like and the possible forces in the truss. And lastly I draw out my design by using AutoCAD, so in this report there will be a few AutoCAD drawing of my own design.