

HYDRAULIC ELEVATOR

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ABSTRACT

The purpose of this project is to design and fabricate a “Hydraulic Elevator” which apply same concept as hydraulic elevator that we seen in the industry. Hydraulic elevator is a simple mechanisms used hydraulic power to lift a load to a certain height. By using the principle of power transmission through water, the force required by the user to lift the loads can be reduce. The hydraulic elevator is also able to lift loads and people. This hydraulic elevator using only a fraction of force ordinary needed. This project was to design a hydraulic elevator to operate manually capable of raising a 60kg.

In this report, there will be a design of the hydraulic elevator. There will be have construction of the elevator to explain how is the elevator is being constructed. Problem faced and also with it solution also will be mentioned. There will be calculations formula in this report.