

PROPOSED RELOCATION AND CONSTRUCTION OF THE SLAUGHTERHOUSE
OF MIAG-AO, ILOILO

A Project Study

Submitted in partial fulfillment of the requirements for the course

CE 5102 – Civil Engineering Project by:

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ABSTRACT

The construction of a slaughterhouse is one of the priority projects in Miag-ao, Iloilo. This project is the answer to the dilapidated slaughterhouse in the said municipality.

At present, there is an existing slaughterhouse but it is deteriorating due to some problems. One, there is no proper waste water treatment second, drainage system and the nearby residences are affected of the foul odour from the slaughterhouse. For this reason, the project proposal is introduced. This project study covers the structural and architectural design of the slaughterhouse. The structural design includes the design of trusses, columns, and footing. Ultimate Strength Design (USD) method is used in the design analysis of reinforced concrete structure and for all structural steel members. Steel reinforcement sizes of the Philippine Standard reinforcing bars are adopted. Reinforced concrete and steel are the main structural materials used in the construction. Steel is used in trusses and purlins of the main structure and reinforced concrete is used in slab, columns, footings, and walls.

The proposed slaughterhouse has a rectangular shape with an area of 130 square meters. There is an adjoining lairage for housing livestock to be slaughtered.

The duration of the proposed project will take 310 days and the estimated total project cost is 3, 915, 719.05php. The budget allocated for this project will come from the four million pesos allocated by the mayor. The one million of the said amount came from the “good housekeeping” fund from the Department of Interior and Local Government (DILG) and the rest came from the Internal Revenue Allotment (IRA). The management will be handled by the Municipality Planning and Development Coordinator (MPDC) of the said municipality.