COMPUTER DESIGN OF FOOTINGS

by

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Project report submitted to

The Department of Civil Engineering

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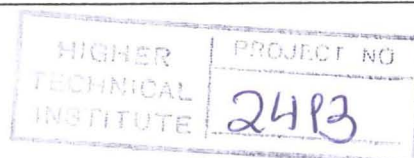in partial fulfilment of the requirements

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Thank you all!

SUMMARY

Author: Mylonas Peter

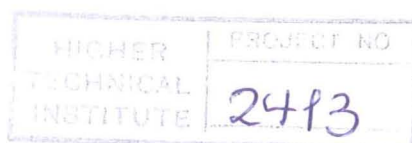Project: Computer Design Of Footings

The purpose of this project is to present the theory of the analysis and design of footings. All the footing types should be considered as well as the theory on the bearing capacities of soils.

Also a computer program should be developed for the design of individual pad and combined footings

For this project the following conditions were obeyed:

(I) BS8110 was used for the design.

(ii) PASCAL computer language was used.

The main conclusion of this project is that the use of computers in engineering can make the engineer's work easier, as they offer speed and accuracy to the calculations in every respect.

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