

HIGHER TECHNICAL INSTITUTE

MECHANICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF A CENTRAL HEATING

AND HOT WATER SUPPLY SYSTEM

FOR A BUILDING

M/646

VASOS VARELLAS

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## SUMMARY

The objective of this project is to design a Central heating and Hot water supply system for a building consisting of four floors.

The architectural drawings have supplied by Alecos Modinos, the architect.

It must be mentioned that each floor consist of two flats. The ground floor consists of two shops and the parking place for the owners.

The whole work is devided in to six Chapters.

The first chapter is about the estimation of the heat requirements of the building.

The second chapter is about the system of space heating as the third is about the pipe sizing and arrangement of the pipes for central heating system.

Fourth chapter involves the hot and cold water supply system and the fifth involves the sizing and selection from various catalogues the equipment which are going to be used in this project.

Finally, the sixth chapter includes the cost analysis which is made for the whole design.

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