

DESIGN OF A CENTRAL HEATING AND HOT  
WATER SUPPLY SYSTEM FOR A BLOCK OF FLATS

by

Evros Paraskeva

Project Report

Submitted to

the Department of Mechanical Engineering

of the Higher Technical Institute

Nicosia Cyprus

in partial fulfilment of the requirements

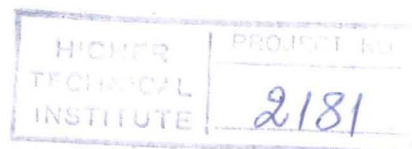
for the diploma of

**TECHNICIAN ENGINEER**

in

**MECHANICAL ENGINEERING**

June 1993



## SUMMARY

The aim of this project is to design a Central Heating and Hot water supply system, for a building consisting of four floors located at Famagusta.

It must be mentioned that the ground floor consists of one flat the first floor consists of offices and second, third and fourth floor consist of three flats each. Yet, the basement is used as a parking place for the owners.

Basically this project is divided into six Chapters. The first chapter is about the estimation of the heat requirements of the building, the second chapter involves the system of the space heating, whereas the third chapter describes the system for the hot water supply services.

Furthermore, the fourth chapter includes the sizing of the Plant Equipment and the fifth involves their selection from various catalogues and other important technical data.

Finally, in the last chapter the cost analysis of the whole design is described.