

HIGHER TECHNICAL INSTITUTE
MECHANICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

DESIGN OF A CENTRAL HEATING AND
HOT WATER SUPPLY FOR A CLINIC

(M/761)

DEMETRIOU DEMETRIOS

JUNE 1996

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by

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HIGHER TECHNICAL INSTITUTE	PROJECT NO 2602
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DESIGN OF A CENTRAL HEATING AND HOT
WATER SUPPLY SYSTEM OF A CLINIC

BY
DEMETRIOU DEMETRIOS

PROJECT REPORT

SUBMITTED TO
THE DEPARTMENT OF MECHANICAL ENGINEERING
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NICOSIA CYPRUS

IN PARTIAL FULFILLMENT OF THE
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FOR THE DIPLOMA OF
TECHNICIAN ENGINEER
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**This project dedicated to my parents
who have offered me so much**

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SUMMARY

The aim of this project is to design a central heating and hot water supply system, for a clinic located in Nicosia.

Basically this project is divided into five chapters. The first chapter is about the estimation of heat requirements of a building, the second chapter involves the system of the space heating, whereas the third chapter describes the system for the hot water services. Furthermore the fourth chapter includes the sizing and selection of the equipment's, for various catalog, which are going to be used in this project. Finally in the last chapter the cost analysis of the whole design is described.

Demetriou Demetrios