

**DESIGN OF A CENTRAL HEATING AND HOT
WATER SUPPLY SYSTEM FOR A BUILDING**

by

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PROJECT REPORT

SUBMITTED TO

**THE DEPARTMENT OF MECHANICAL
ENGINEERING OF THE HIGHER TECHNICAL
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NICOSIA CYPRUS

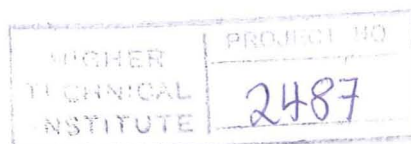
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SUMMARY

The purpose of this project is to design a central heating and hot water system, for a building consisting of four floors.

The name of the building is "RENADA COURT" and is located in Nicosia. The architectural drawings have been supplied by Mr. I. A. Philipou, the architect.

It must be mentioned that each floor consists of two flats except from the fourth floor that has only one flat. The ground floor consists of the parking place for the owners.

Basically this project is divided into five chapters. The first chapter is about the estimation of 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 services.

Furthermore the fourth chapter includes the sizing and selection of the equipment, from various catalogues, which are going to be used in this project.

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

**AVGOUSTI AVGOUSTIS
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