

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

by

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Project Report

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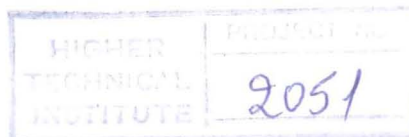
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SUMMARY

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

The name of the building is "REGENT COURT No. 7" and the architectural drawings have been supplied by Jianni Neophitides, the architect.

It must be mentioned that each floor consists of two flats, except the fifth one at which there is one flat. Yet, the basement is used as a parking place for the owners.

The ambient conditions, for Nicosia, were taken from the Meteorological services, while the indoor and ventilation requirements were selected from the C.I.B.S and Carrier Handbooks. 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.

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