

Higher Technical Institute
ELECTRICAL ENGINEERING DEPARTMENT

DIPLOMA PROJECT

**DESIGN OF THE ELECTRICAL SERVICES OF
A TOURIST COMPLEX**

BY
STAVRI ANDREAS

E/1178

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Project submitted by:

STAVRI ANDREAS

E/1178

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INTRODUCTION

This project deals with the Specialized Electrical Services of a tourist complex. The whole design consists of ten chapters. This project has 33 premises and one swimming pool which have been sold to foreign people and the swimming pool is for all the owners.

In chapter one a reference to the illumination design is made. Calculations' procedure is explained and samples of calculations are given followed by the tabulated results.

In chapter two a reference to the fundamental requirements for safety is made, following the IEE Wiring Regulations.

In chapter three a reference to the lighting design is made, which is a continuation of the chapter one, for the proper selection of the live conductors and protection devices.

Chapter four and five are similar to chapter three but they refer to the socket outlets and to the fixed appliances.

Chapter six deals with the telephone installation of the project followed by the regulations of CYTA.

Chapter seven deals with the central antenna system.

Chapter eight deals with the diversity and balancing applications of the phases.

Chapter nine deals with the earthing arrangements and also with the TT system which is applicable in Cyprus.

Chapter ten deals with the testing procedures that must be followed after the completion of the installation.