

HIGHER TECHNICAL INSTITUTE

ELECTRICAL ENGINEERING COURSE

DIPLOMA PROJECT

DESIGN OF THE ELECTRICAL SERVICES AND
SPECIALIZED ELECTRICAL SERVICES OF A
LUXURY HOUSE.

KYRIAKOS CONSTANTINOU

E.1417

JUNE 2007

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	3711

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PROJECT REPORT SUBMITTED BY

KYRIAKOS CONSTANTINOU

TO THE DEPARTMENT OF ELECTRICAL ENGINEERING OF

THE HIGHER TECHNICAL INSTITUTE.

NICOSIA –CYPRUS

JUNE 2007

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SUMMARY

The purpose of the electrical installation project is the design of electrical services in a luxury house that must be carried out according with responsibility in order to provide safety to people in it.

The electrical design of the building is carried out according to IEE regulations of the 16th edition.

For the telephone installation CYTA regulations were considered.

The design of the electrical services of the luxury house is explained in detail in the main body of the report. At the end of the report appendices are included giving specifications for the devices and equipment used. Eventually detailed architectural drawings are provided, showing the locations of the different equipment.

INTRODUCTION.

Design of electrical services of a luxury house as the title of this project.

The objectives of this project are:

- Lighting
- Power
- Telecommunication
- Data Distribution

To provide all the necessary drawings , schedule of material and costing including labour.

Terms and Conditions.

1. Architectural drawing will be provided.
2. The phase supply is 415v, 50Hz and TT earthing system must be used.
3. The IEE regulation 16th edition and all related local EAC conditions of supply should be considered.
4. Levels of illuminations must be according with the CIBS code.
5. Telecommunications must confine with CYTA requirements.
6. In the design of the specialized services all appropriate standards and regulations must be considered

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